Appendix D: Test Data for E-UTRA Band 12

Product Name: Medical Alarm System

Test Model: T30H-G

Environmental Conditions

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

D.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.65	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.26	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.62	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.23	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.61	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.08	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.79	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.52	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.78	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.51	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.71	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.71	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.94	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.91	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.73	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.36	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.74	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.88	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.75	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.83	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.76	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.95	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.78	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.29	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.81	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.30	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.90	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.06	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.69	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.30	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.76	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.29	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.69	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.28	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.80	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.93	PASS

Band12	1.4MHz	QPSK	23173	3RB#1	23.80	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.95	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.94	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.91	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.03	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.69	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.47	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.54	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.47	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.54	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.60	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.80	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.11	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.81	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.11	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.88	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.01	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.76	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.90	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.64	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.38	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.68	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.75	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.89	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.68	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.61	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.05	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.61	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.04	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.70	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.13	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.67	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.64	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.72	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.04	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.58	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.99	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.55	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.96	PASS

Band12	3MHz	QPSK	23165	8RB#0	22.69	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.96	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.69	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.97	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.69	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.82	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.69	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.74	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.66	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.24	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.64	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.17	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.67	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.13	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.79	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.88	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.80	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.88	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.86	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.78	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.90	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.94	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.52	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.97	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.53	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.97	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.48	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.05	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.78	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.82	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.63	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.82	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.72	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.83	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.71	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.93	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.55	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.38	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.44	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.65	PASS

Band12	5MHz	QPSK	23155	1RB#24	23.76	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.76	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.72	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.80	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.73	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.65	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.75	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.67	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.61	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.84	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.54	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.46	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.51	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.96	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.54	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.86	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.66	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.71	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.66	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.71	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.63	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.79	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.78	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.82	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.68	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.78	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.74	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.76	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.63	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.68	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.97	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.73	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.97	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.78	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.98	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.76	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.84	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.56	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.35	PASS

Band12	10MHz	QPSK	23130	1RB#24	23.46	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.37	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.35	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.38	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.68	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.91	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.64	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.91	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.72	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.98	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.64	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.83	PASS

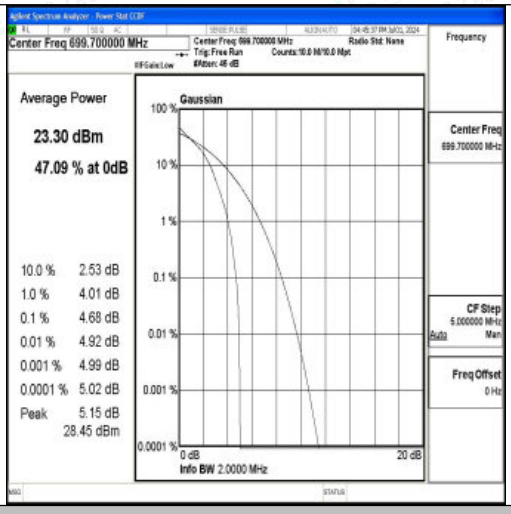
D.2 Peak-to-Average Ratio(CCDF)

Test Result

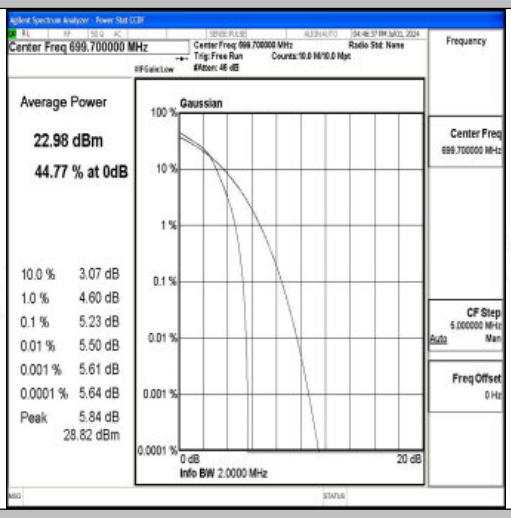
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.68	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.23	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.40	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.41	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.71	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.24	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.44	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.16	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.15	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.71	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.87	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.58	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.82	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.62	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.45	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.24	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.80	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.64	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.48	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.23	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.46	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.25	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.04	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.80	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.88	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.72	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.56	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.23	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.87	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.72	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.56	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.24	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.74	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.63	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.35	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.01	13	PASS

Band12	10MHz	QPSK	23060	1RB#0	4.83	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.58	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.56	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.28	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.86	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.56	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.62	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.26	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.82	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.62	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.49	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.18	13	PASS

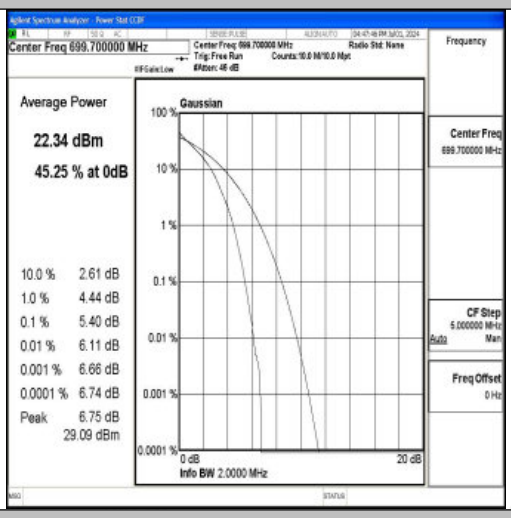
Test Graphs



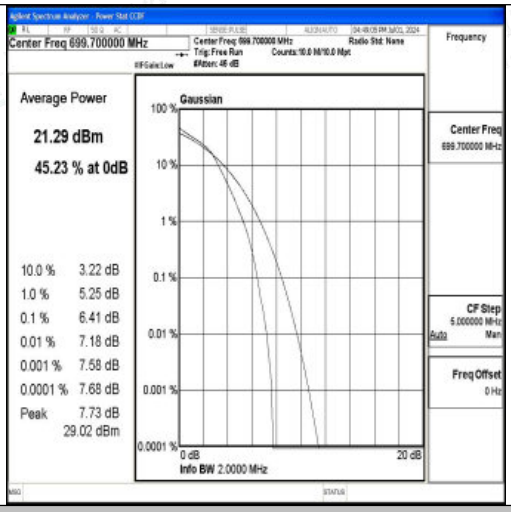
Band12-1.4MHz-QPSK-23017-1RB#0-PASS



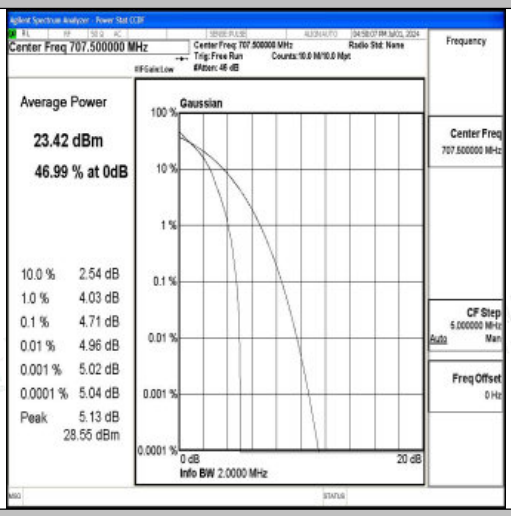
Band12-1.4MHz-16QAM-23017-1RB#0-PASS



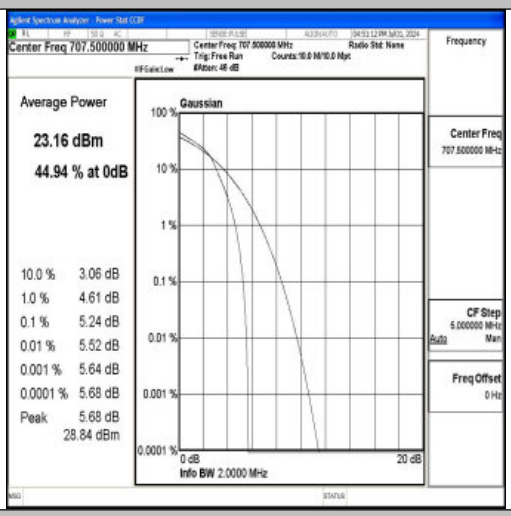
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



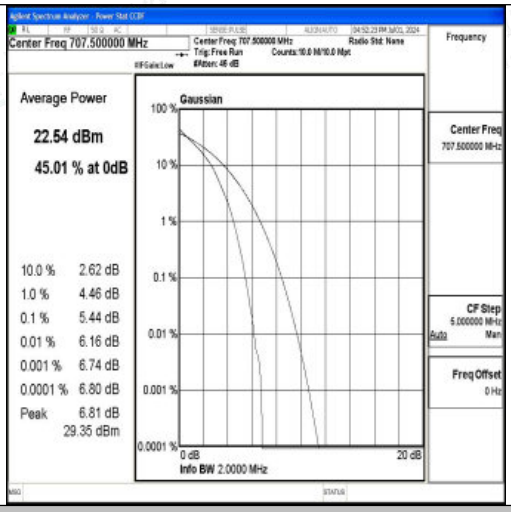
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



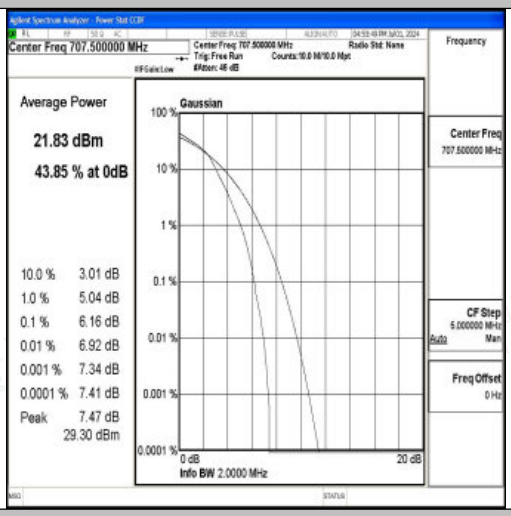
Band12-1.4MHz-QPSK-23095-1RB#0-PASS



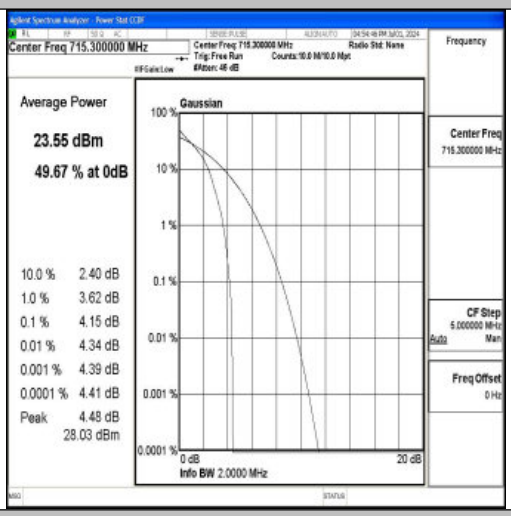
Band12-1.4MHz-16QAM-23095-1RB#0-PASS



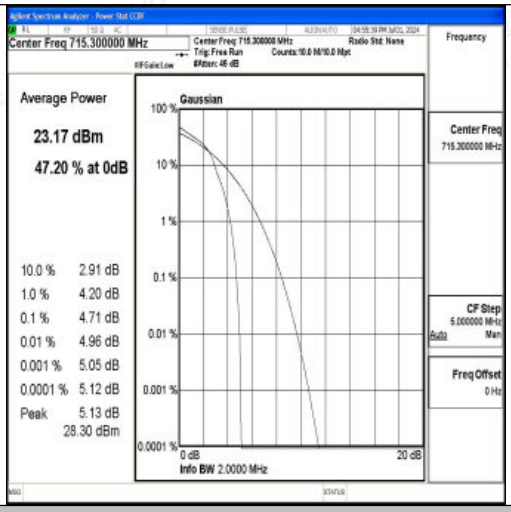
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



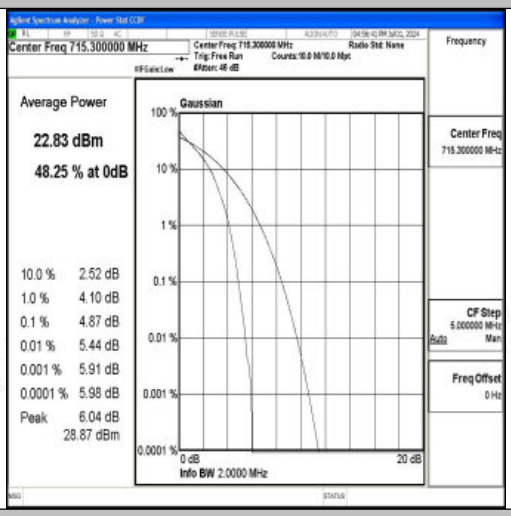
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



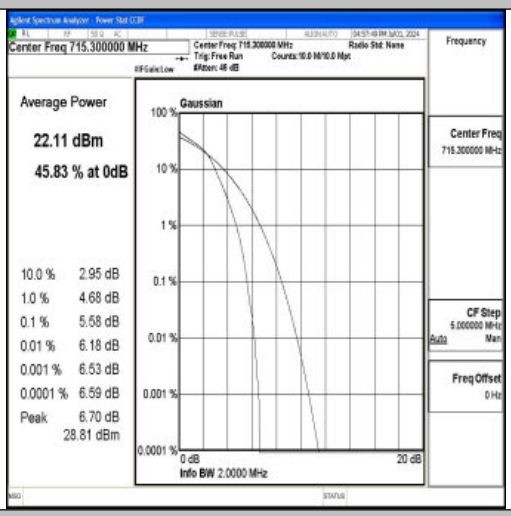
Band12-1.4MHz-QPSK-23173-1RB#0-PASS



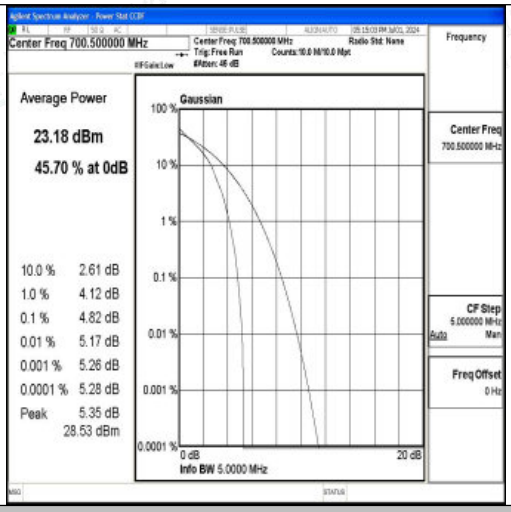
Band12-1.4MHz-16QAM-23173-1RB#0-PASS



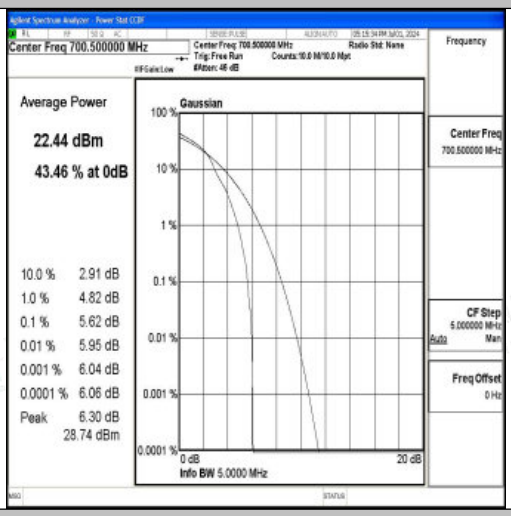
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



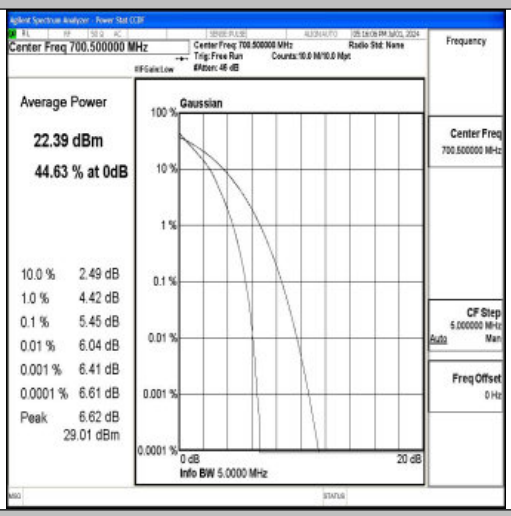
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



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



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



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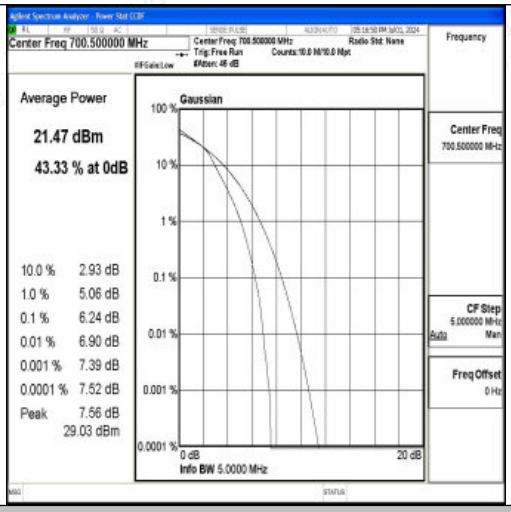

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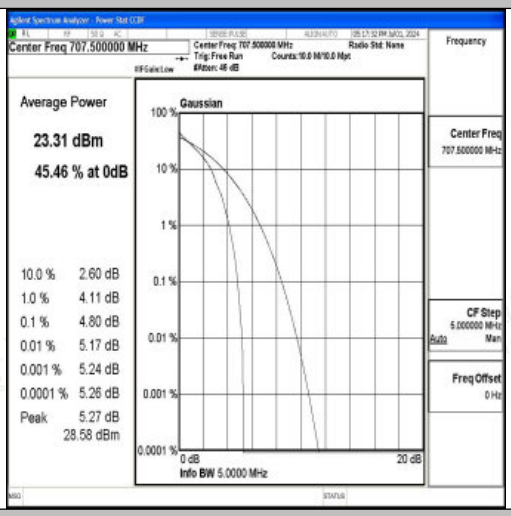
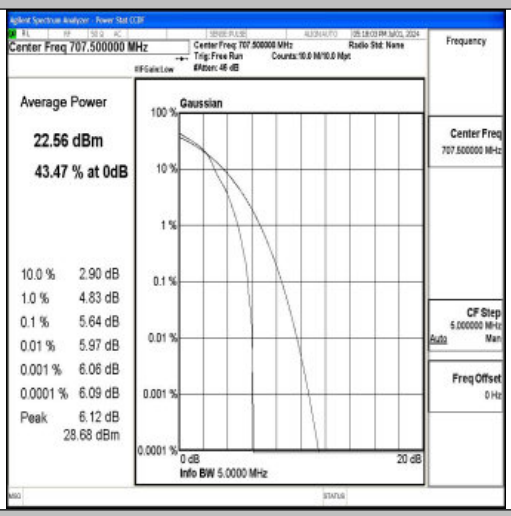


Band12-3MHz-QPSK-23095-1RB#0-PASS



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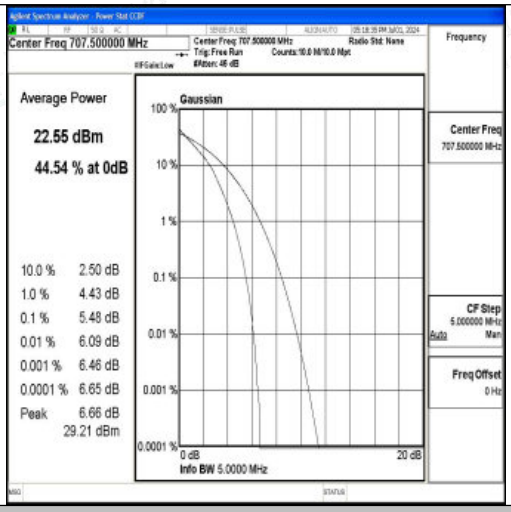

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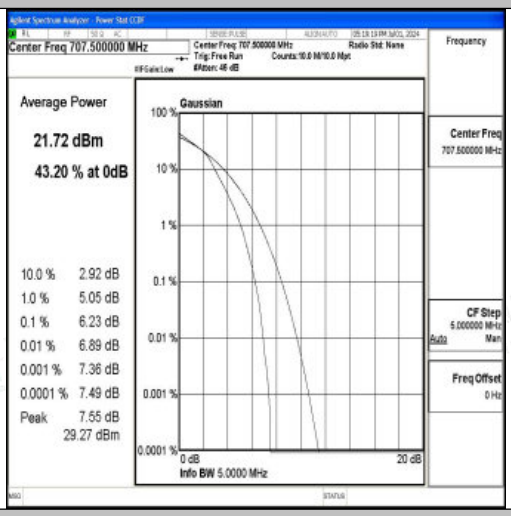

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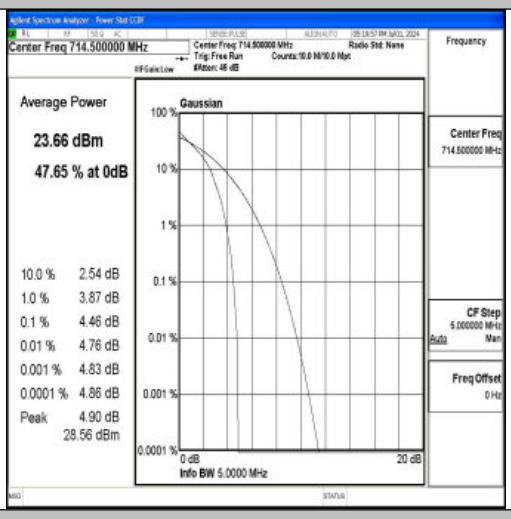
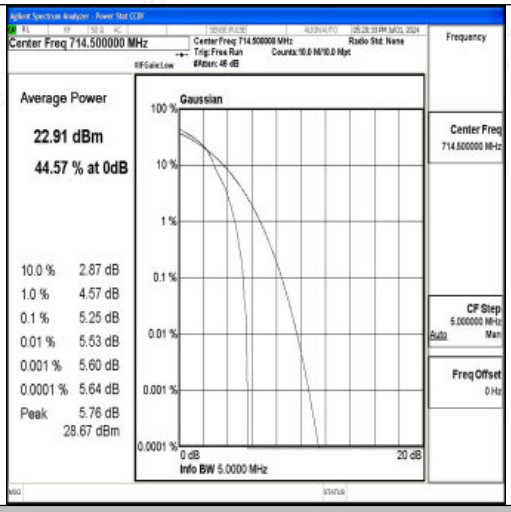


Band12-3MHz-QPSK-23165-1RB#0-PASS



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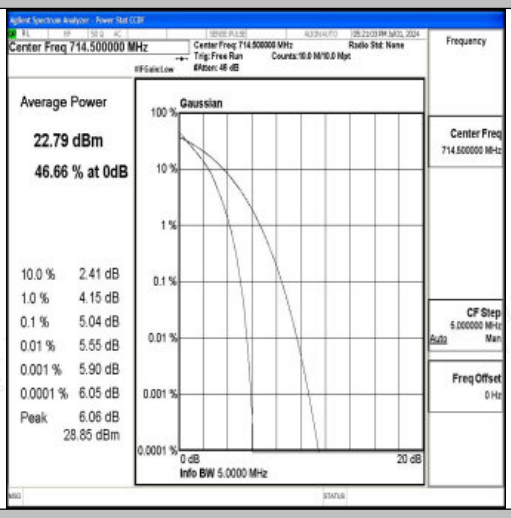

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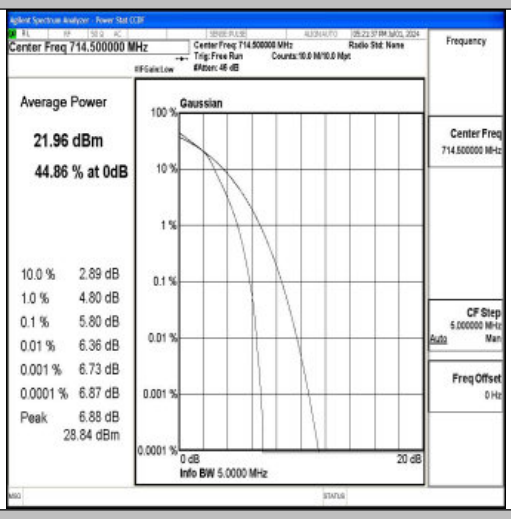

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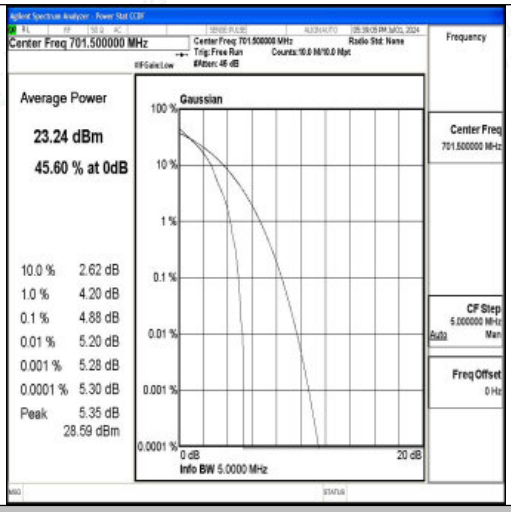

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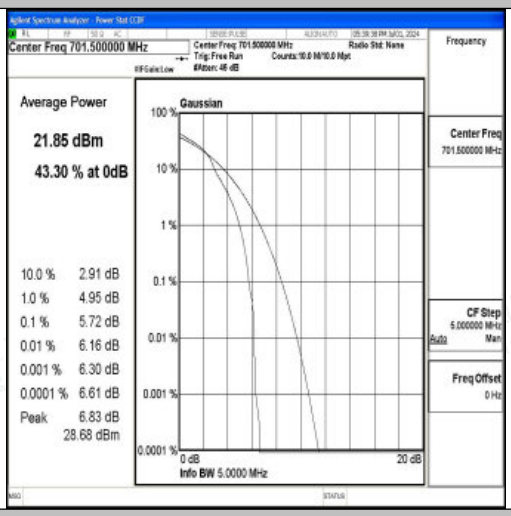

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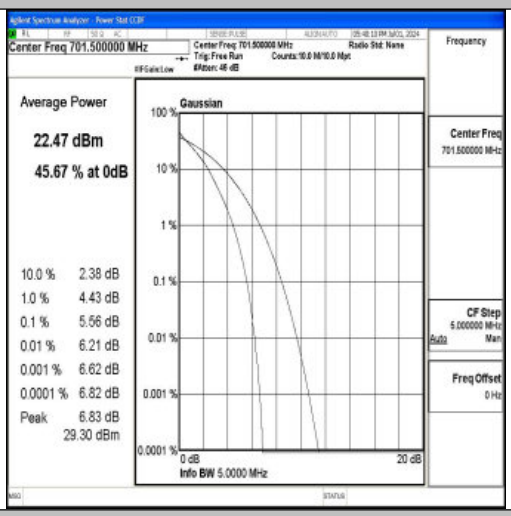

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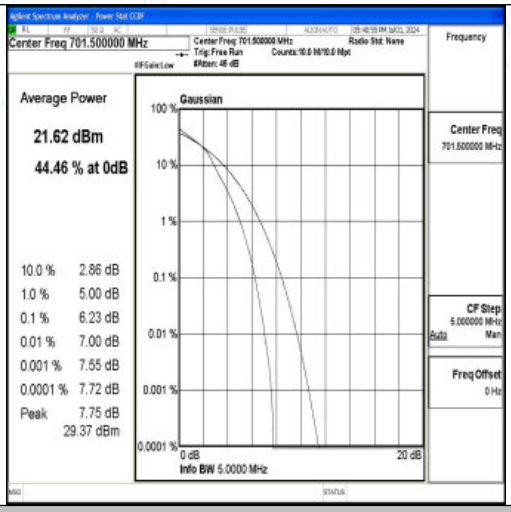

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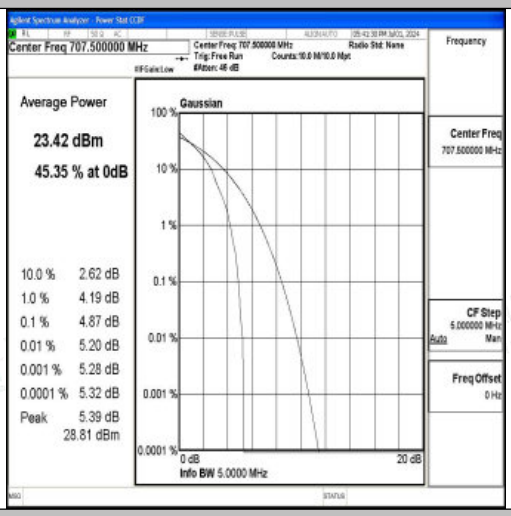

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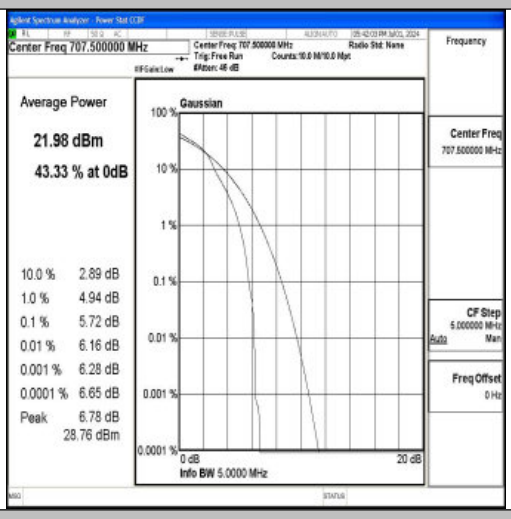

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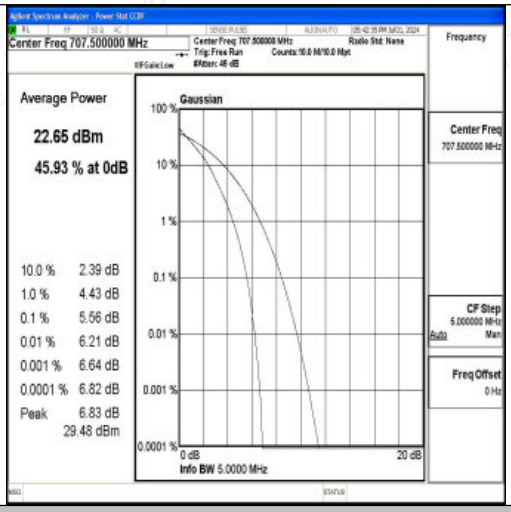

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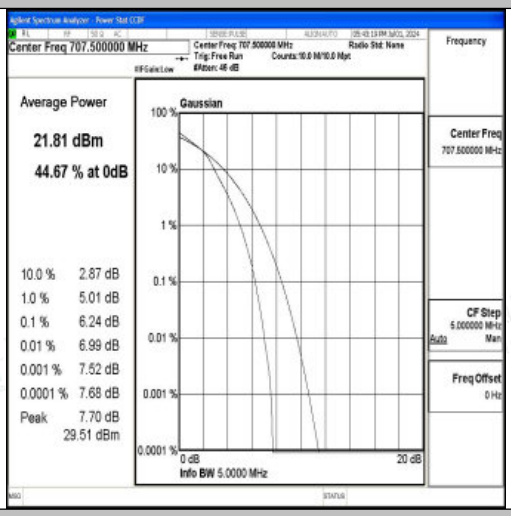

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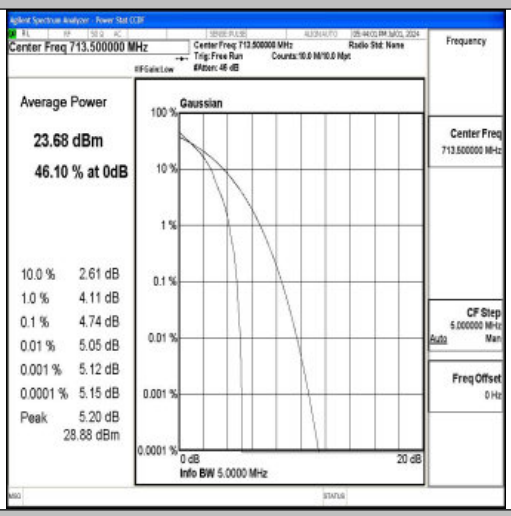
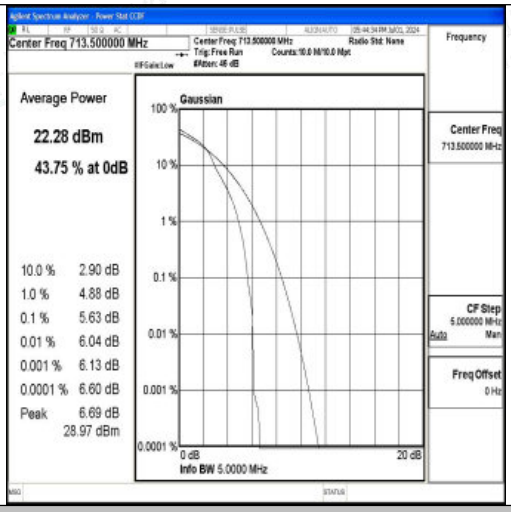


Band12-5MHz-QPSK-23155-1RB#0-PASS



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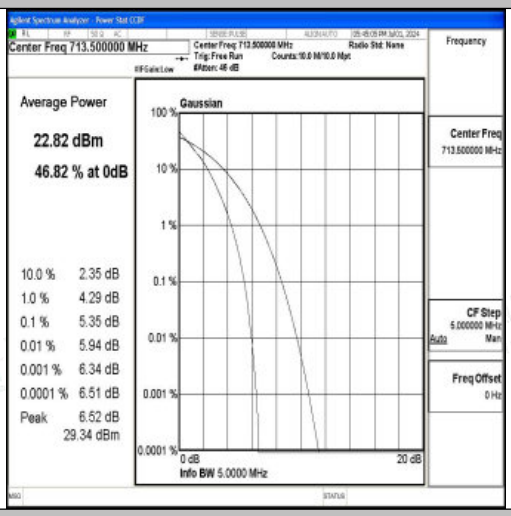

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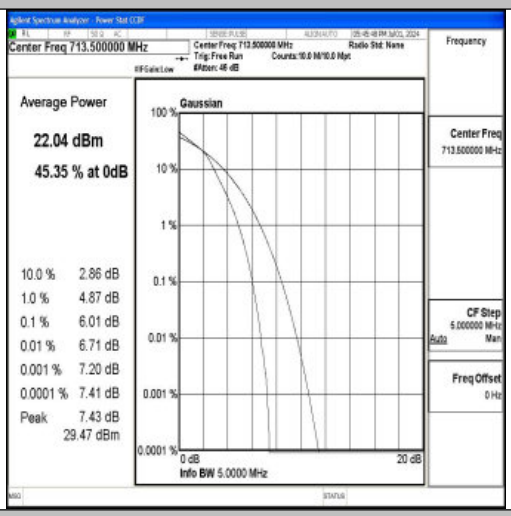

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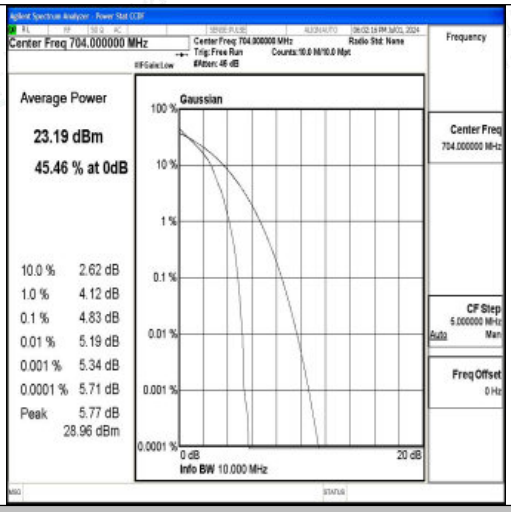
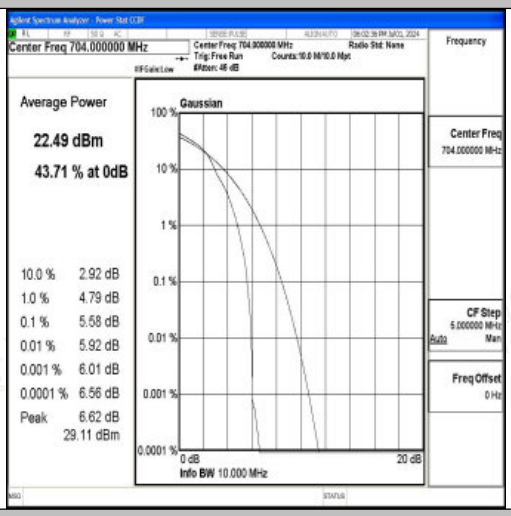


Band12-10MHz-QPSK-23060-1RB#0-PASS



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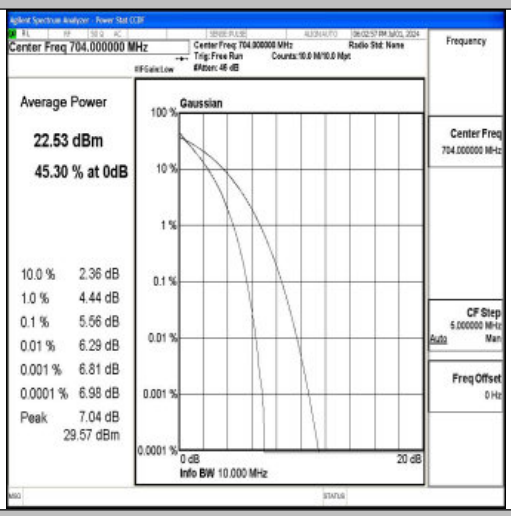

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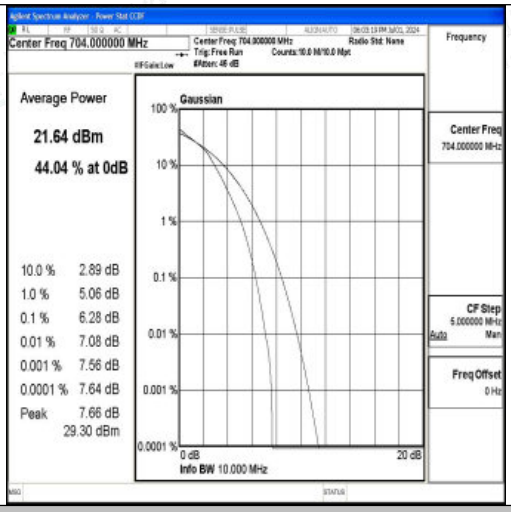

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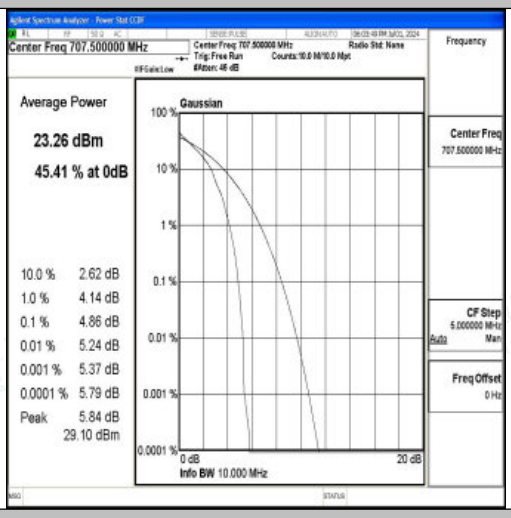

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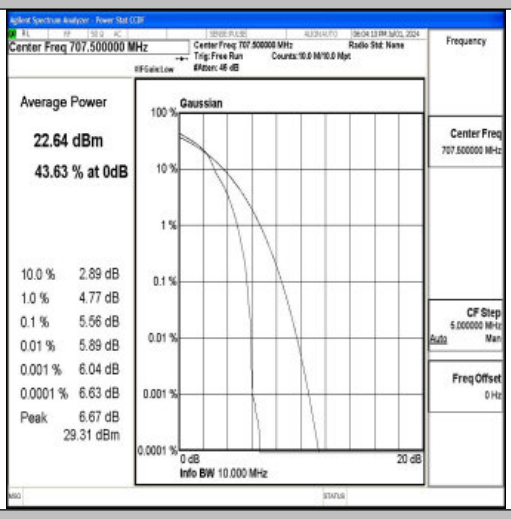

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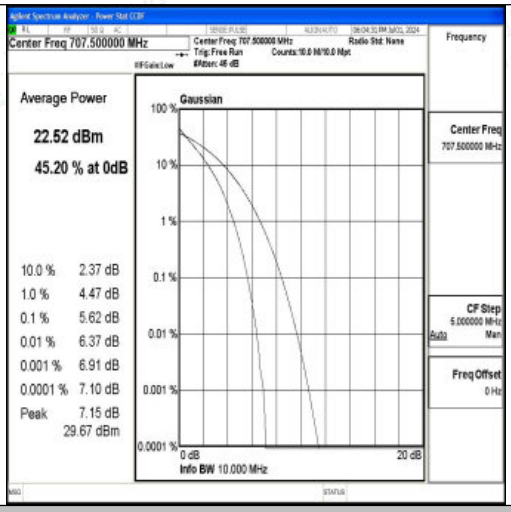

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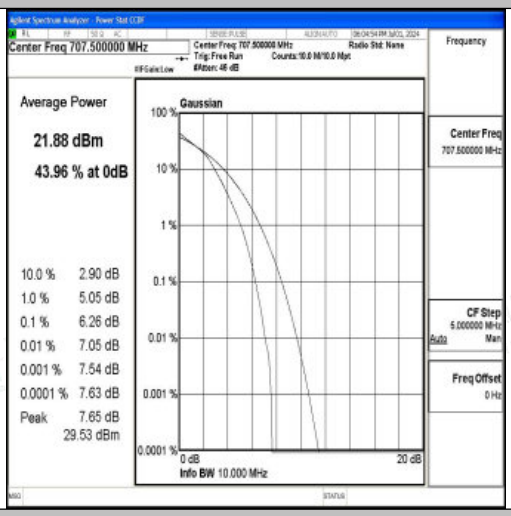

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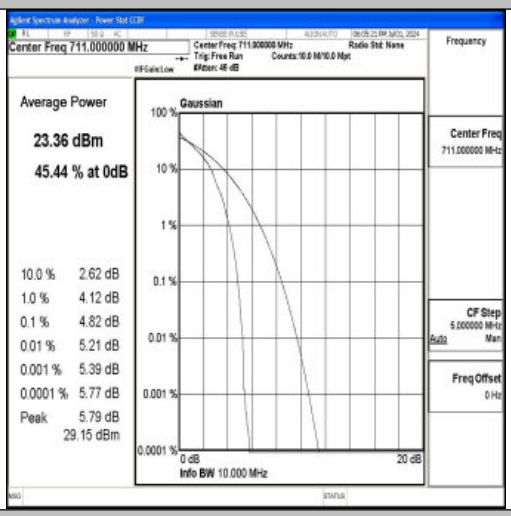
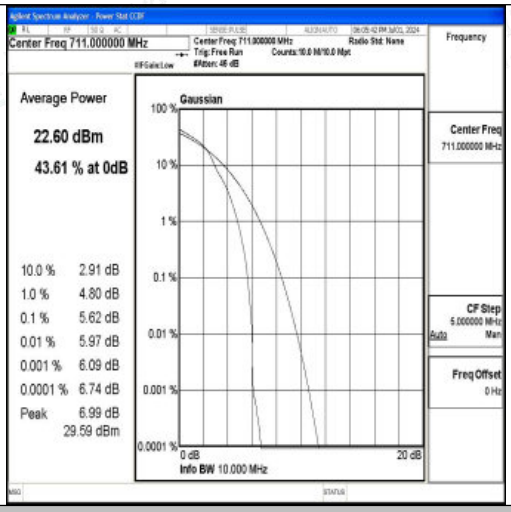


Band12-10MHz-QPSK-23130-1RB#0-PASS



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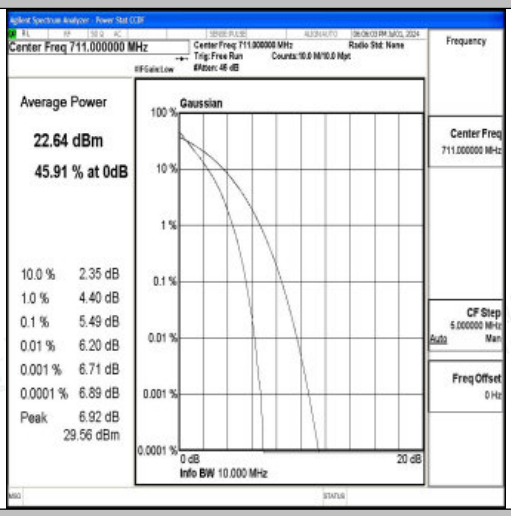

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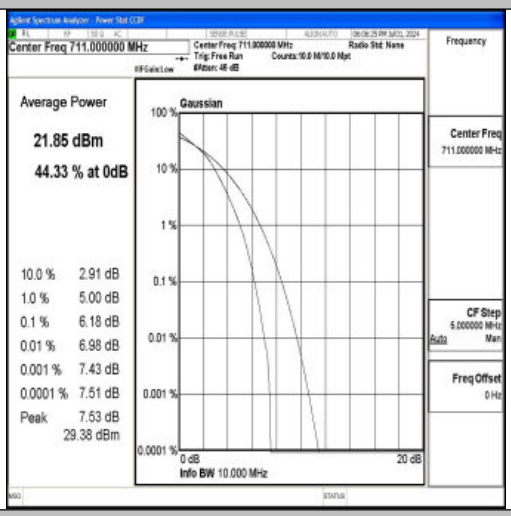


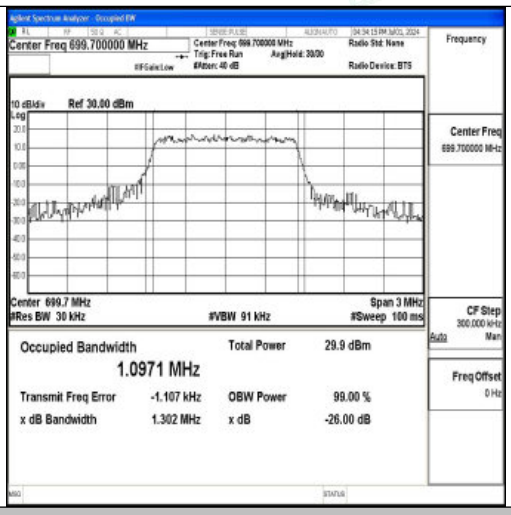
Band12-10MHz-16QAM-23130-50RB#0-PASS

D.3 26dB Bandwidth and Occupied Bandwidth

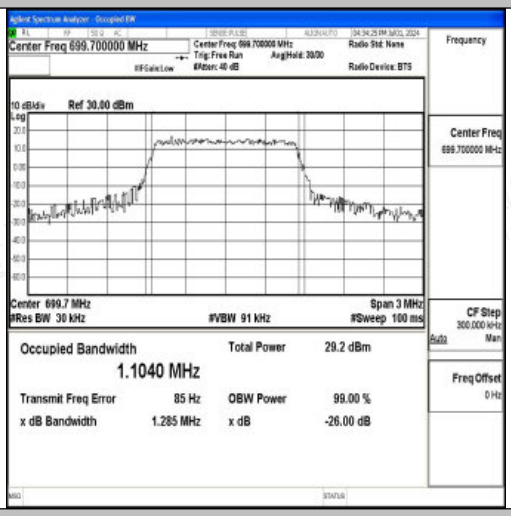
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0971	1.302	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1040	1.285	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0948	1.295	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1010	1.321	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0957	1.278	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1050	1.361	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7149	3.134	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6939	3.049	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7160	3.085	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7014	3.094	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7005	3.071	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7009	3.110	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5308	5.313	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5247	5.224	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5276	5.329	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5184	5.278	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5163	5.275	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5151	5.177	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0065	10.15	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9990	10.13	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0051	10.06	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9964	10.10	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9955	9.928	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9737	10.09	PASS

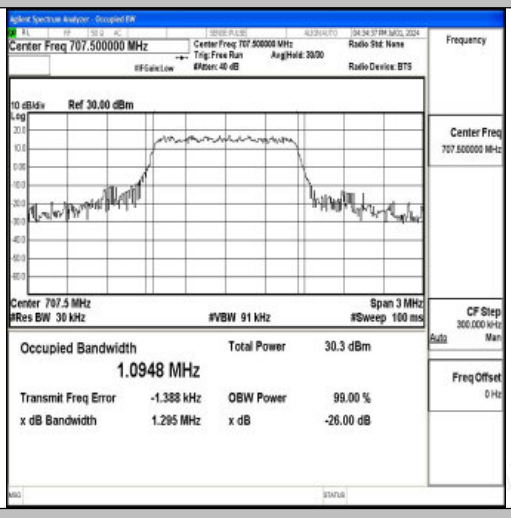
Test Graphs



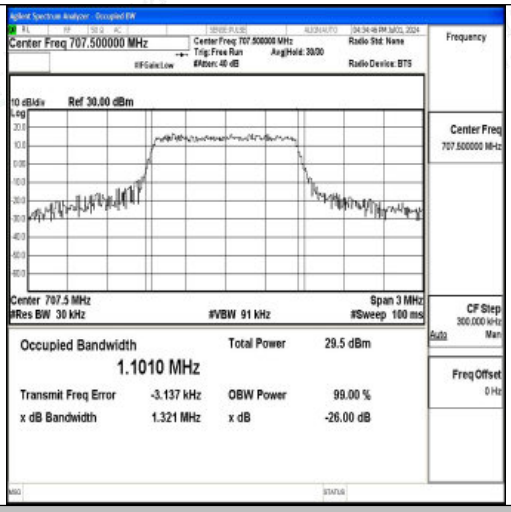
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



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



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



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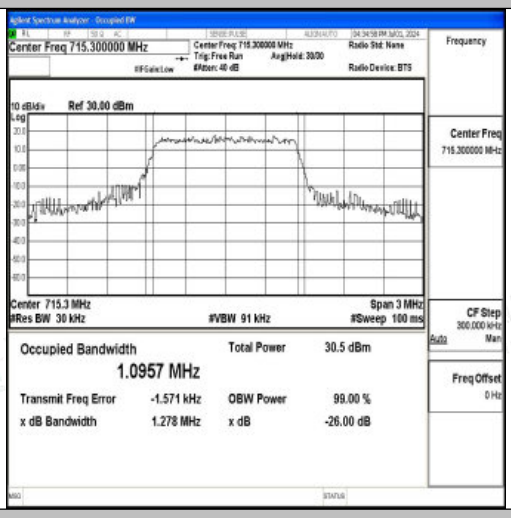

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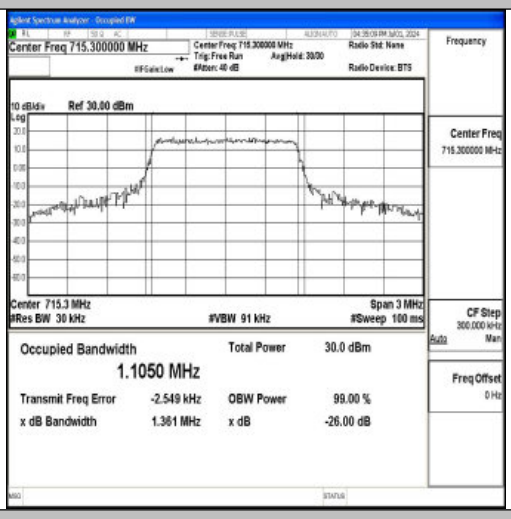
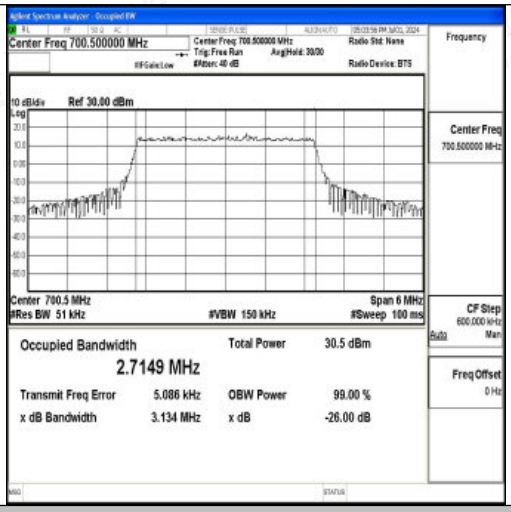
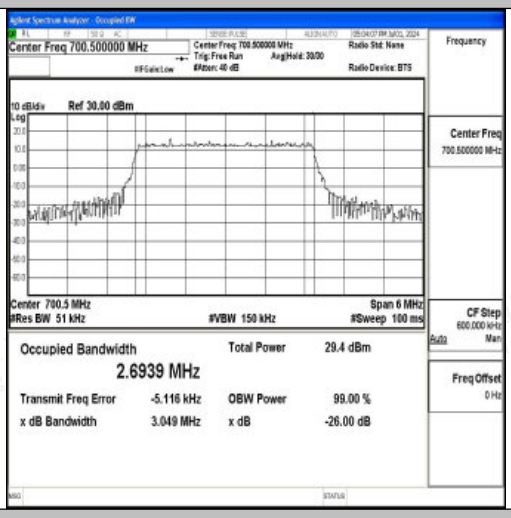


Band12-1.4MHz-16QAM-23173-6RB#0-PASS



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



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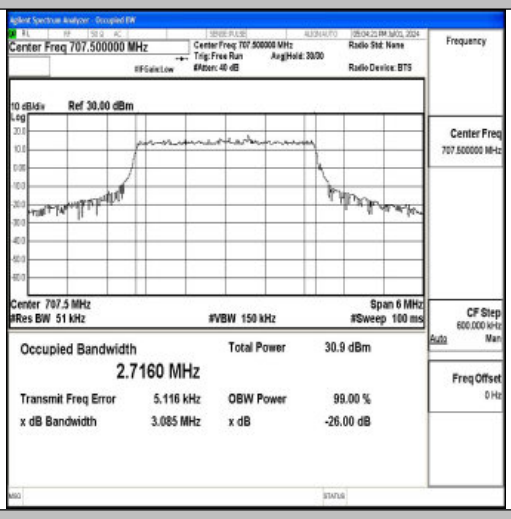

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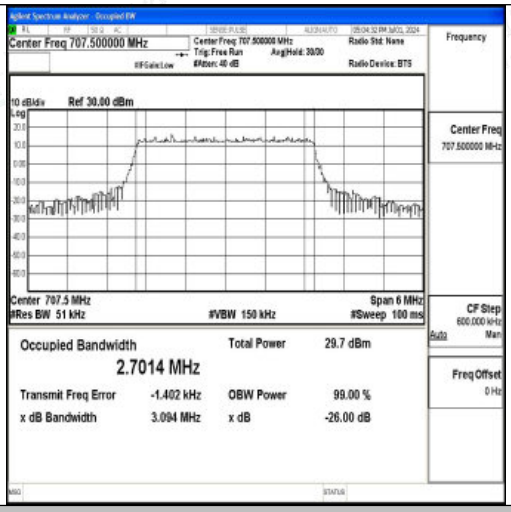
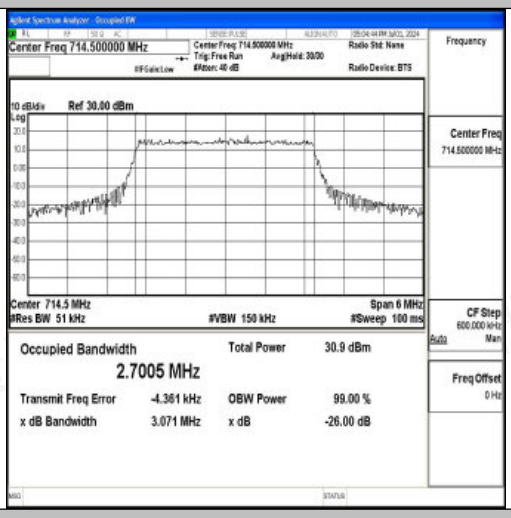
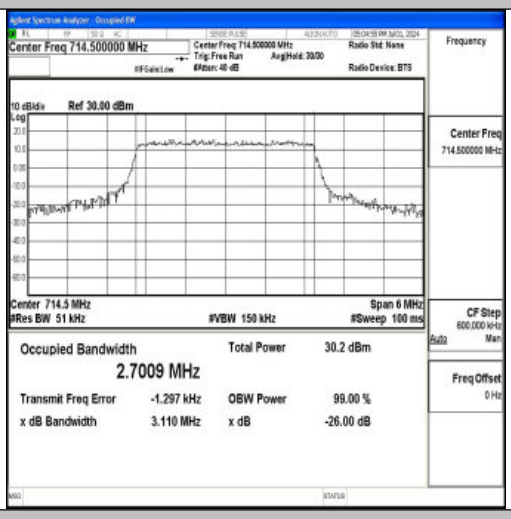


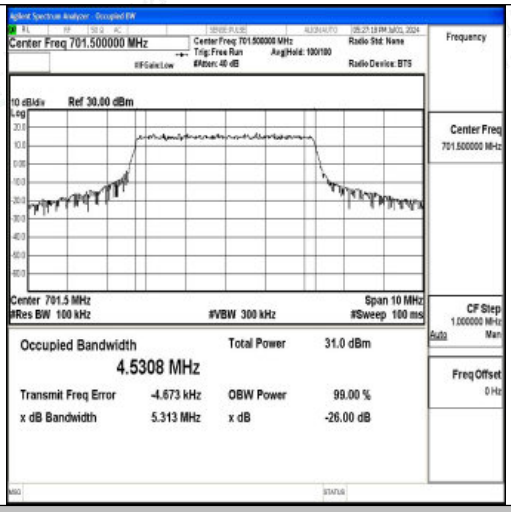
Band12-3MHz-16QAM-23095-15RB#0-PASS



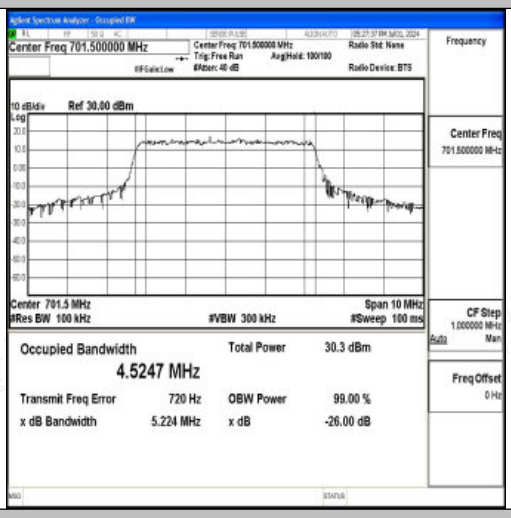
Band12-3MHz-QPSK-23165-15RB#0-PASS



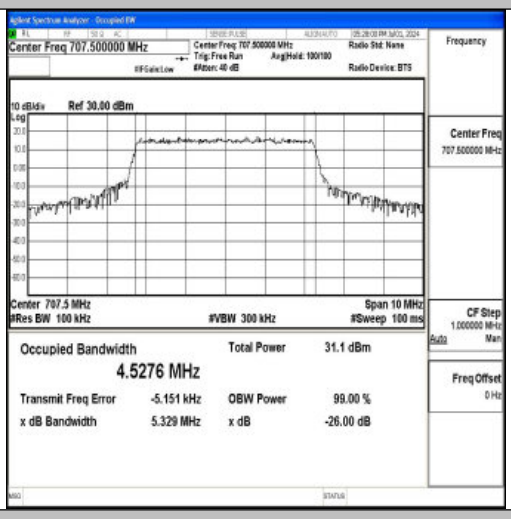
Band12-3MHz-16QAM-23165-15RB#0-PASS



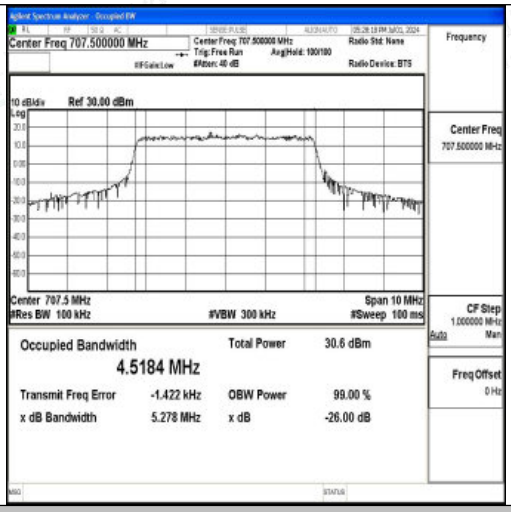
Band12-5MHz-QPSK-23035-25RB#0-PASS



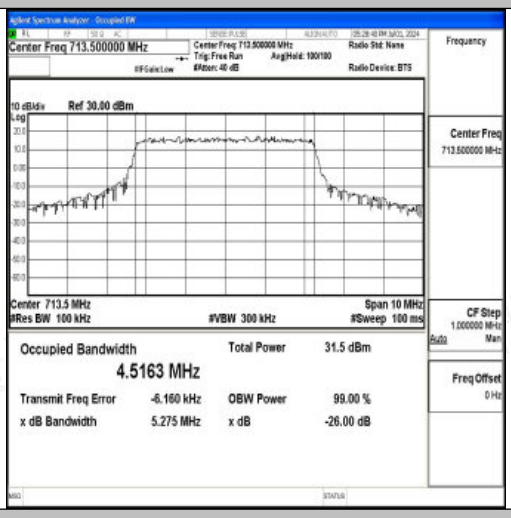
Band12-5MHz-16QAM-23035-25RB#0-PASS



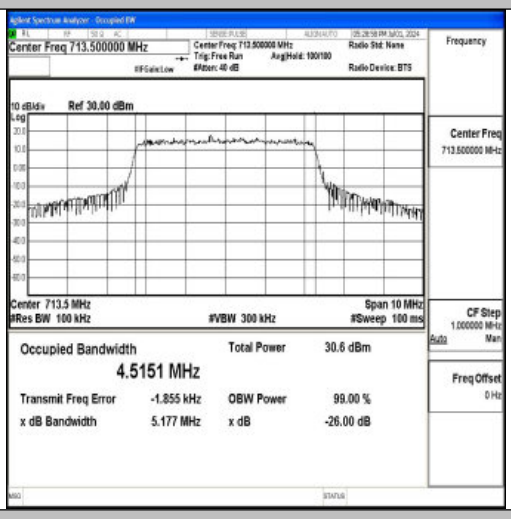
Band12-5MHz-QPSK-23095-25RB#0-PASS



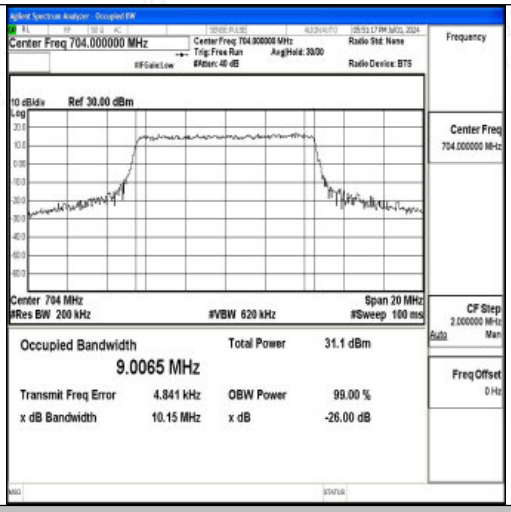
Band12-5MHz-16QAM-23095-25RB#0-PASS



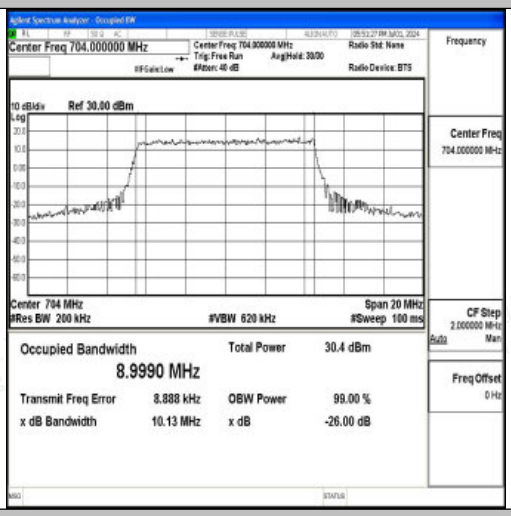
Band12-5MHz-QPSK-23155-25RB#0-PASS



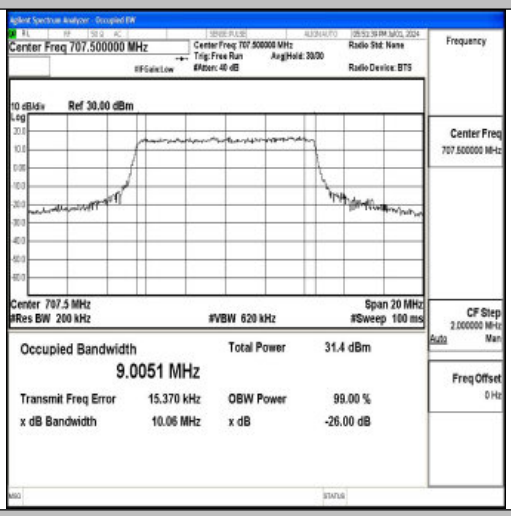
Band12-5MHz-16QAM-23155-25RB#0-PASS



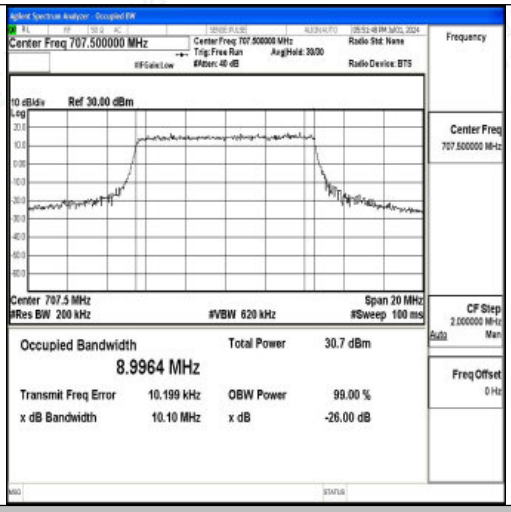
Band12-10MHz-QPSK-23060-50RB#0-PASS



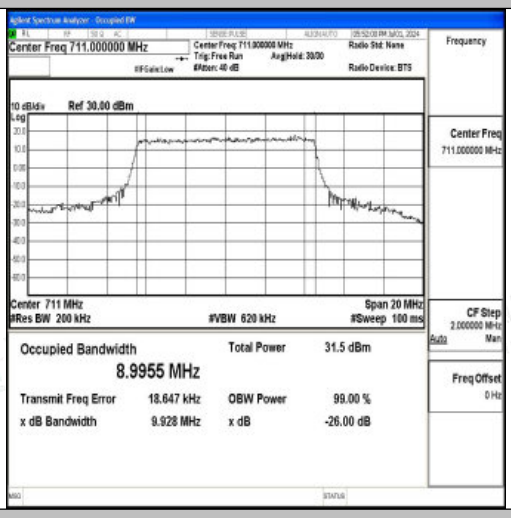
Band12-10MHz-16QAM-23060-50RB#0-PASS



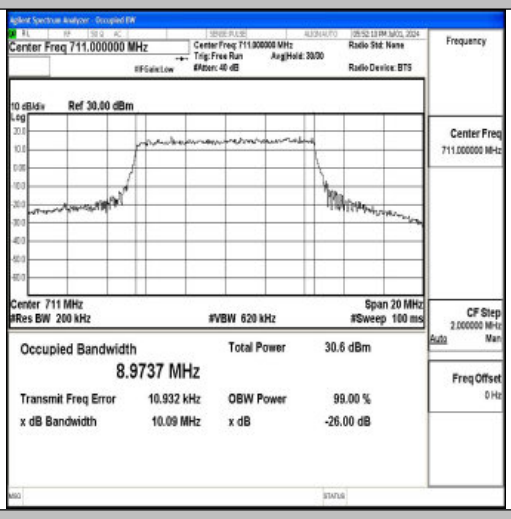
Band12-10MHz-QPSK-23095-50RB#0-PASS



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



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



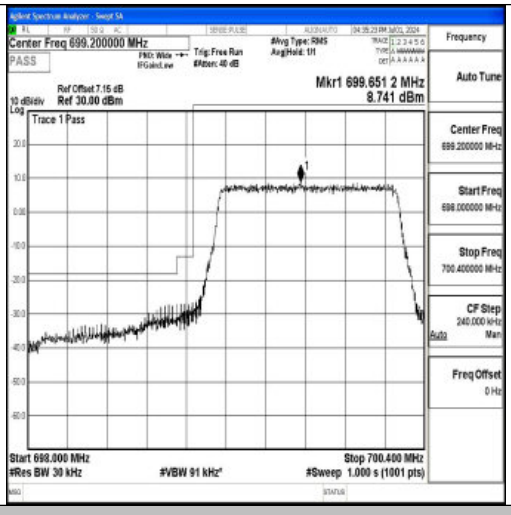
Band12-10MHz-16QAM-23130-50RB#0-PASS

D.4 Band Edge

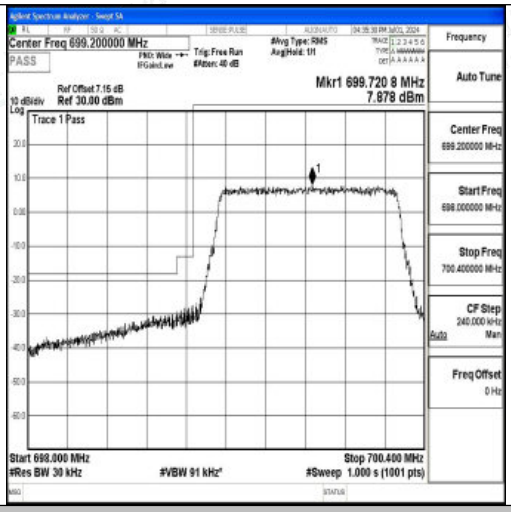
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.85	-27.25	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.88	-29.89	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.12	-28.03	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.13	-27.53	PASS
Band12	3MHz	QPSK	23025	15RB#0	698.99	-23.80	PASS
Band12	3MHz	16QAM	23025	15RB#0	698.99	-25.54	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.00	-23.51	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.00	-24.82	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.82	-34.99	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.89	-34.25	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.19	-35.70	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.15	-34.55	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.86	-37.04	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.67	-39.06	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.15	-39.92	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.11	-40.70	PASS

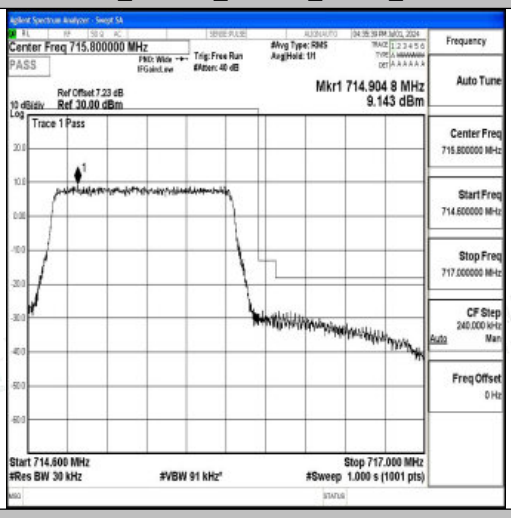
Test Graphs



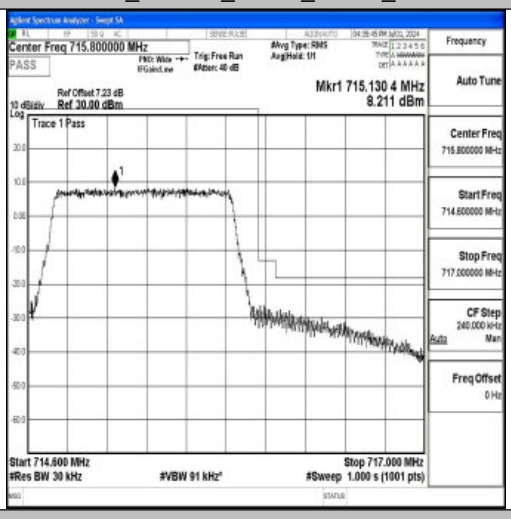
Band12_1.4MHz_QPSK_23017_6RB#0



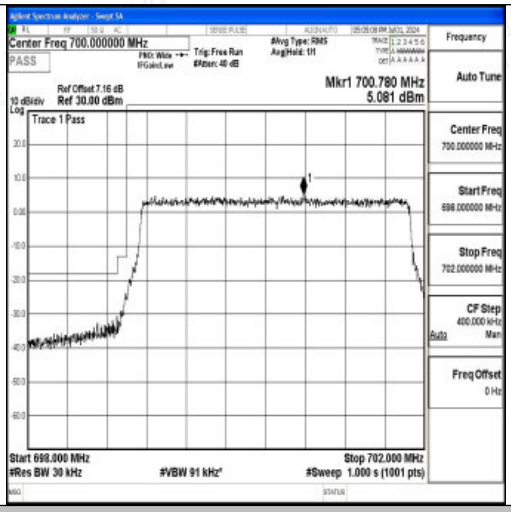
Band12_1.4MHz_16QAM_23017_6RB#0



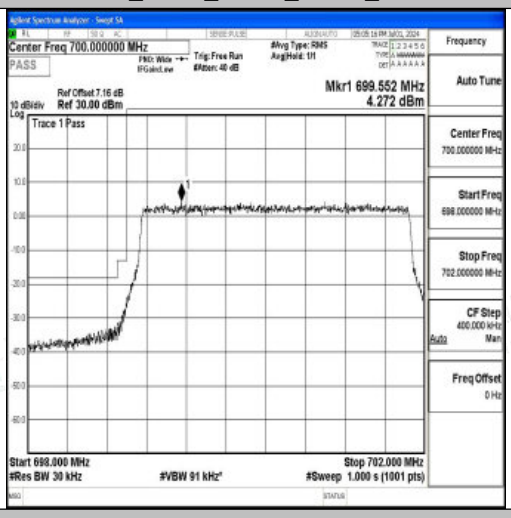
Band12_1.4MHz_QPSK_23173_6RB#0



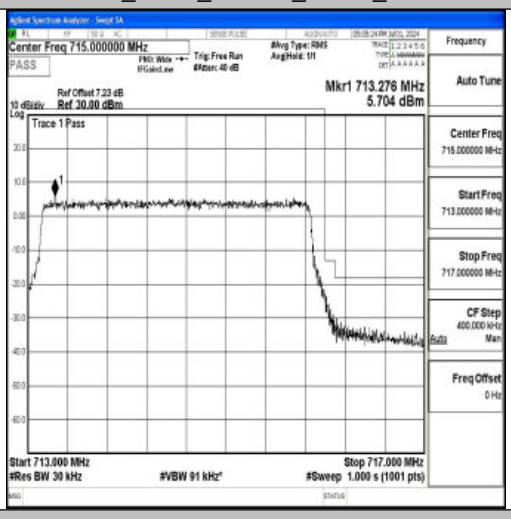
Band12_1.4MHz_16QAM_23173_6RB#0



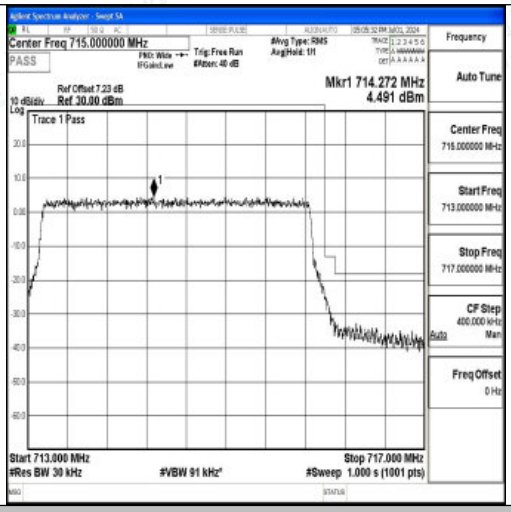
Band12_3MHz_QPSK_23025_15RB#0



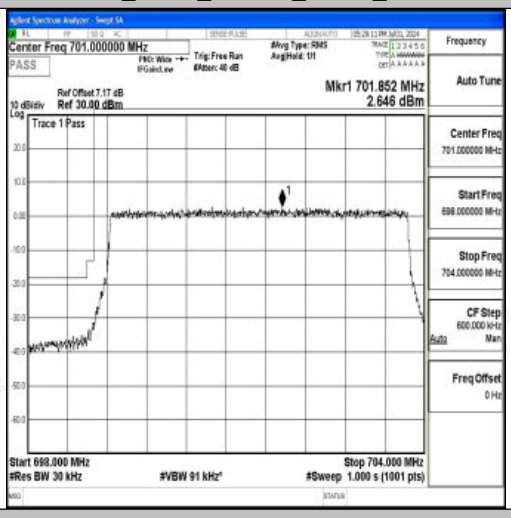
Band12_3MHz_16QAM_23025_15RB#0



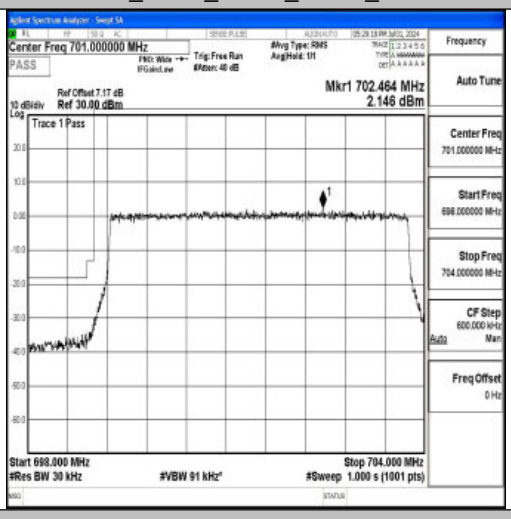
Band12_3MHz_QPSK_23165_15RB#0



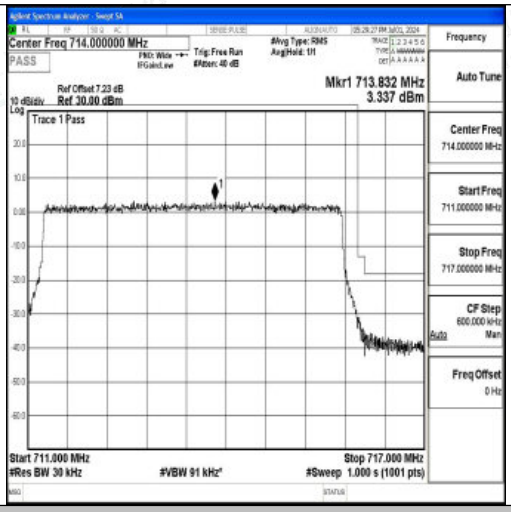
Band12_3MHz_16QAM_23165_15RB#0



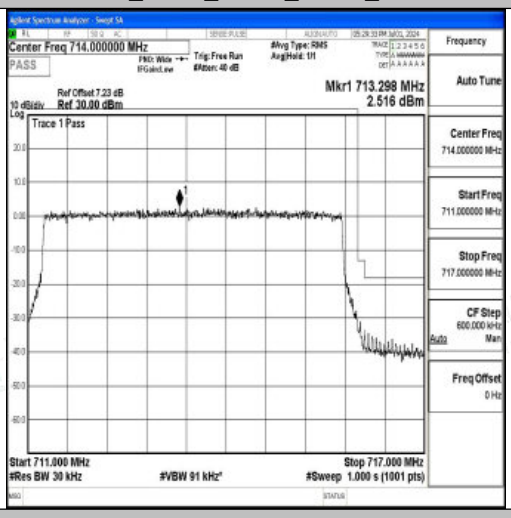
Band12_5MHz_QPSK_23035_25RB#0



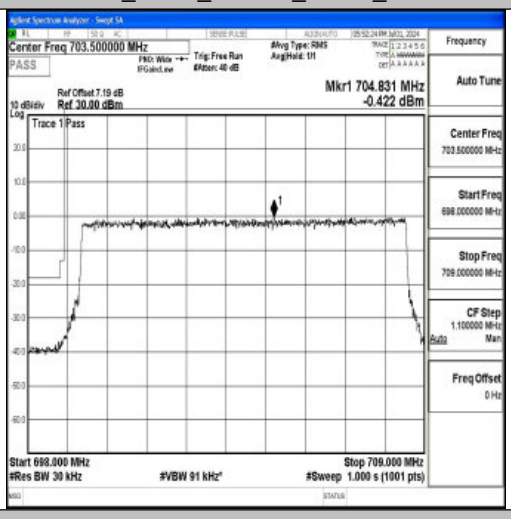
Band12_5MHz_16QAM_23035_25RB#0



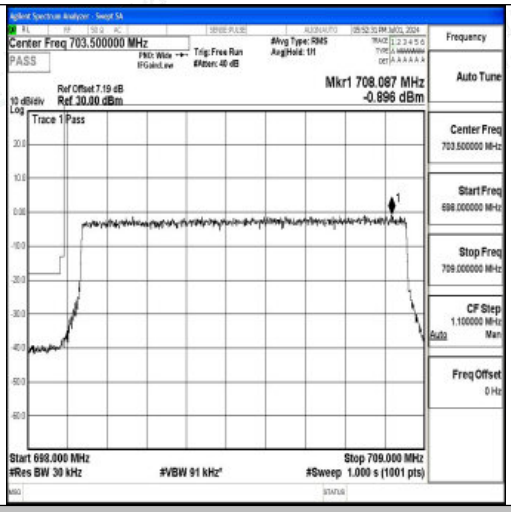
Band12_5MHz_QPSK_23155_25RB#0



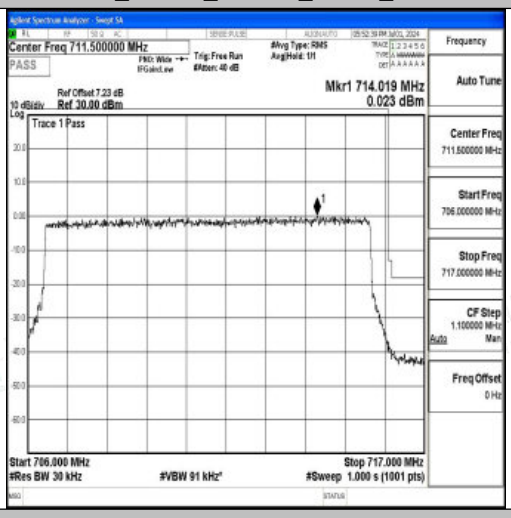
Band12_5MHz_16QAM_23155_25RB#0



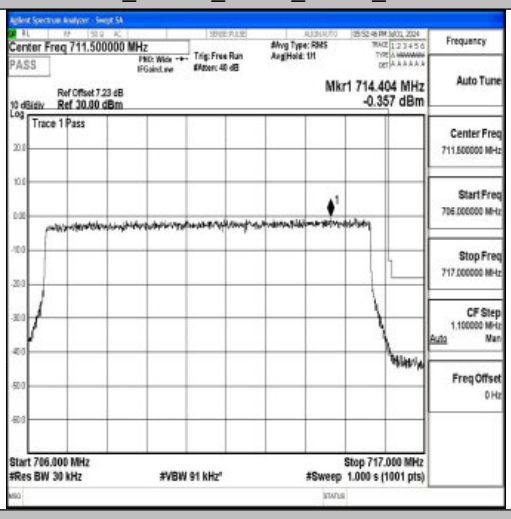
Band12_10MHz_QPSK_23060_50RB#0



Band12_10MHz_16QAM_23060_50RB#0



Band12_10MHz_QPSK_23130_50RB#0



Band12_10MHz_16QAM_23130_50RB#0

D.5 Conducted Spurious Emission

Test Result

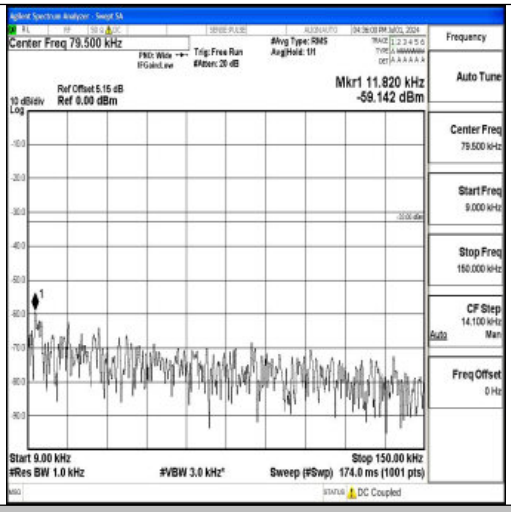
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	0.009~0.15	-59.14	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-52.44	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-46.84	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-42.37	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-44.13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-57.08	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-50.99	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-40.27	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-43.10	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-44.14	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-58.00	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-50.98	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-46.34	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-43.64	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-44.09	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-56.92	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-50.87	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-44.90	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-43.19	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-43.79	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-60.41	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-54.30	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-47.94	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-44.05	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-44.09	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-58.56	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-52.66	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-45.38	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-43.29	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-44.09	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-54.26	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-51.18	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-50.76	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-44.02	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-43.73	PASS

Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-54.69	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-52.82	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-49.59	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-44.16	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-44.16	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-58.16	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-54.14	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-48.17	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-44.02	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-44.07	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-57.53	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-52.20	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-50.66	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-43.63	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-44.13	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-55.46	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-53.11	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-50.36	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-44.01	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-44.18	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-57.48	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-50.11	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-53.29	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-43.81	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-44.15	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-57.82	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-51.86	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-56.44	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-44.07	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-43.78	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-59.25	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-50.92	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-59.88	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-44.68	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-43.73	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-57.38	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-51.66	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-60.29	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-44.01	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-44.08	PASS

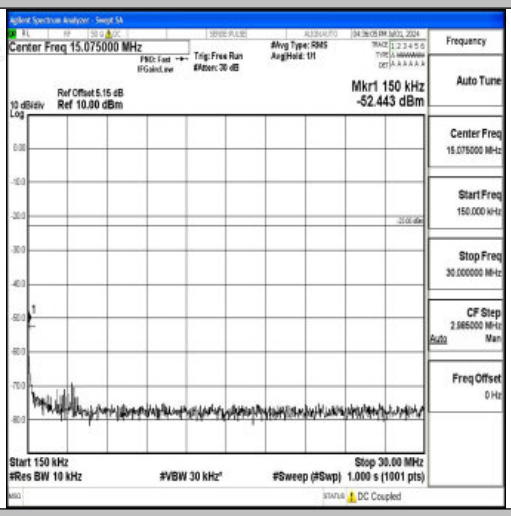
Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-57.43	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-52.65	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-61.75	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-45.53	PASS
Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-43.81	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-58.01	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-52.95	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-59.67	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-43.09	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-43.85	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-56.58	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-53.51	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-59.35	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-44.95	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-44.11	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-58.47	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-54.50	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-62.57	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-44.70	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-43.92	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-57.58	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-50.52	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-62.56	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-45.08	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-44.15	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-57.94	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-52.40	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-62.68	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-44.59	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-44.20	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-58.57	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-51.14	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-62.49	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-45.61	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-44.11	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-53.36	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-54.10	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-62.69	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-44.54	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-43.88	PASS

Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-55.05	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-50.92	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-62.26	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-45.18	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-44.18	PASS

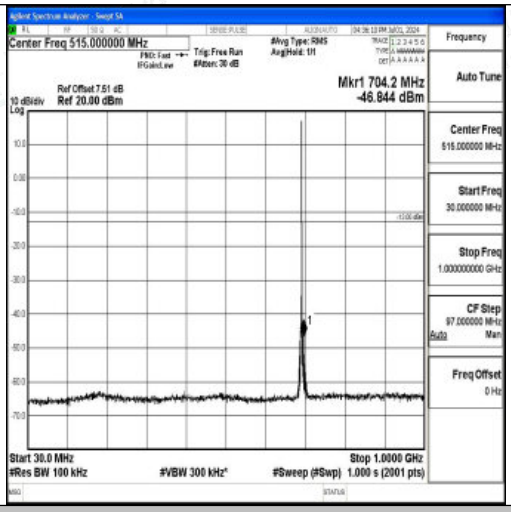
Test Graphs



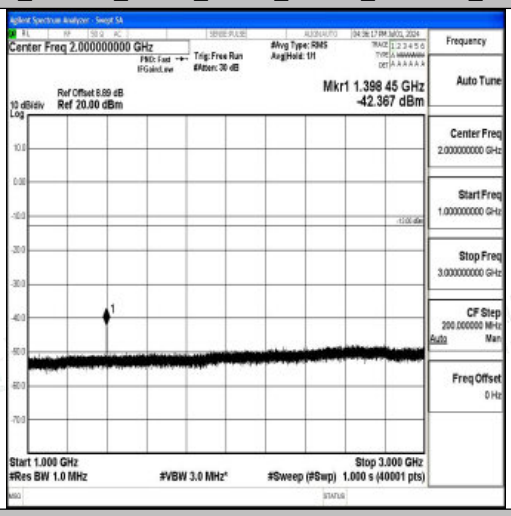
Band12_1.4MHz_QPSK_23017_1RB#0_0.009~0.15_0.009~0.15



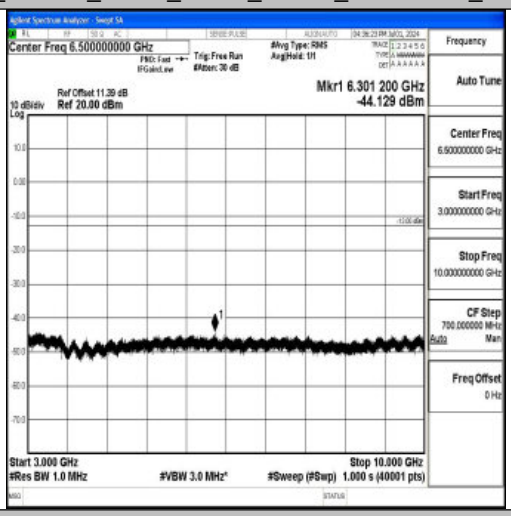
Band12_1.4MHz_QPSK_23017_1RB#0_0.15~30_0.15~30



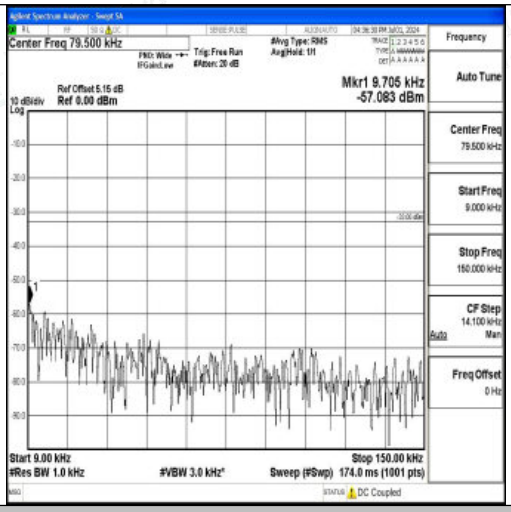
Band12_1.4MHz_QPSK_23017_1RB#0_30~1000_30~1000



Band12_1.4MHz_QPSK_23017_1RB#0_1000~3000_1000~3000



Band12_1.4MHz_QPSK_23017_1RB#0_3000~10000_3000~10000



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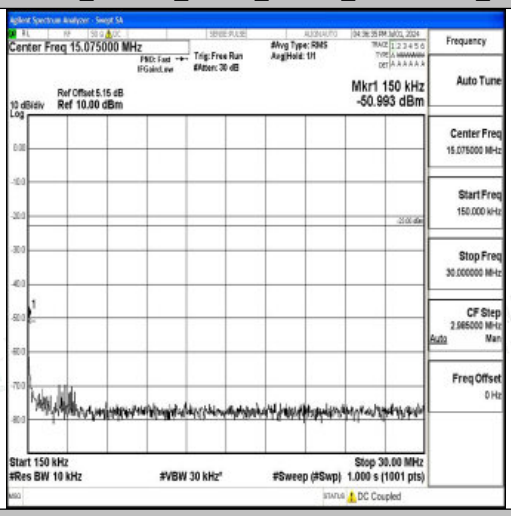
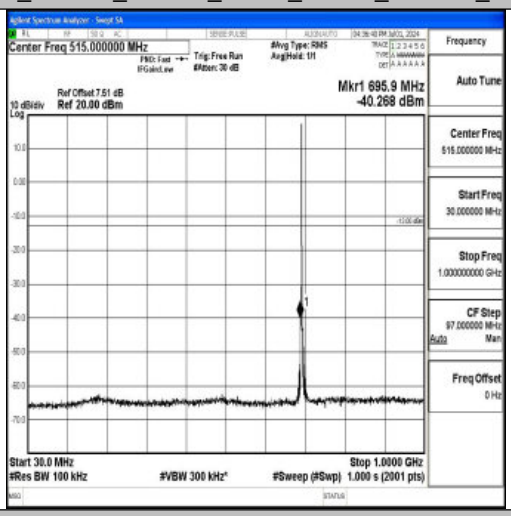


Band12_1.4MHz_16QAM_23017_1RB#0_0.15~30_0.15~30



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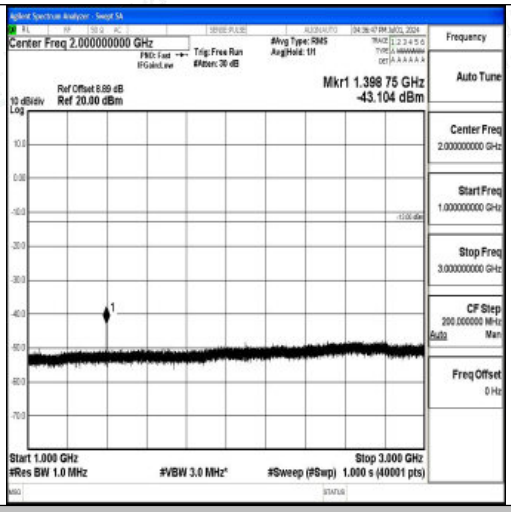
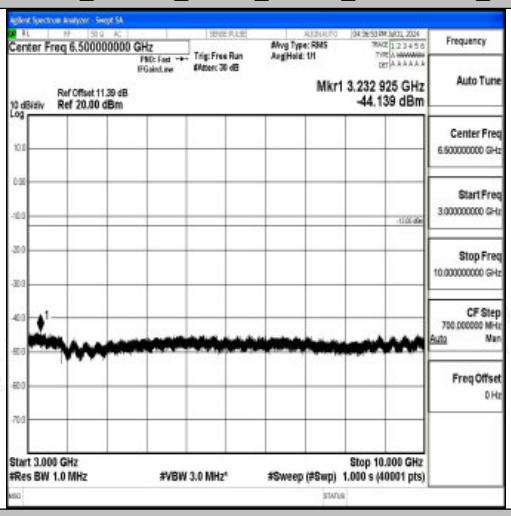


Band12_1.4MHz_16QAM_23017_1RB#0_1000~3000_1000~3000



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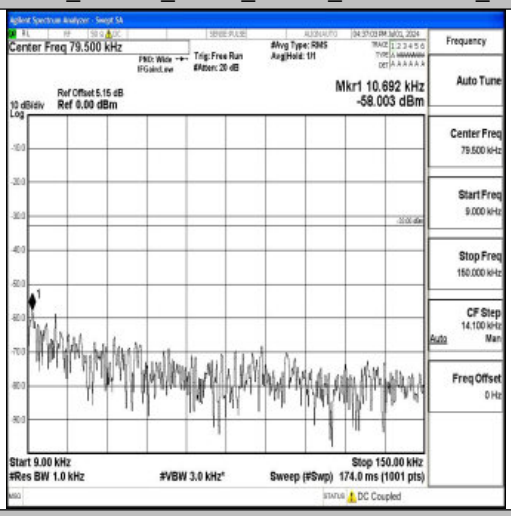

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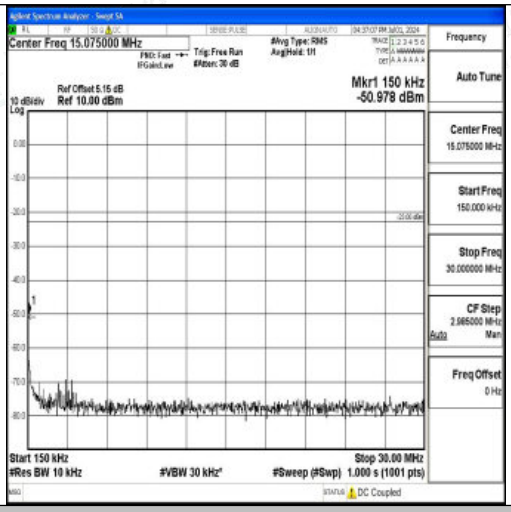
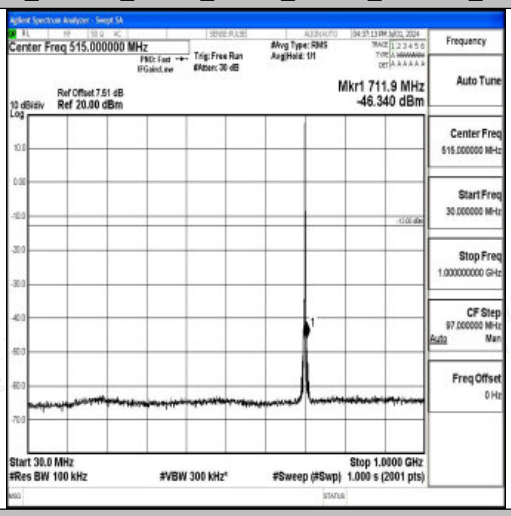
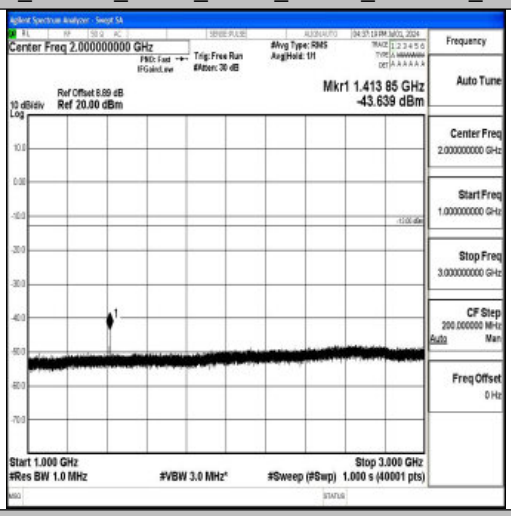


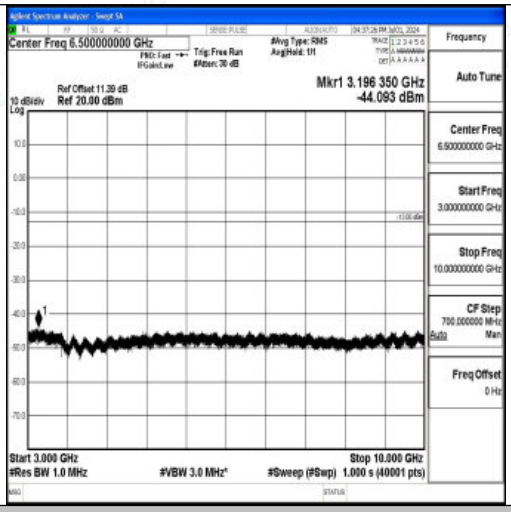
Band12_1.4MHz_QPSK_23095_1RB#0_0.15~30_0.15~30



Band12_1.4MHz_QPSK_23095_1RB#0_30~1000_30~1000



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



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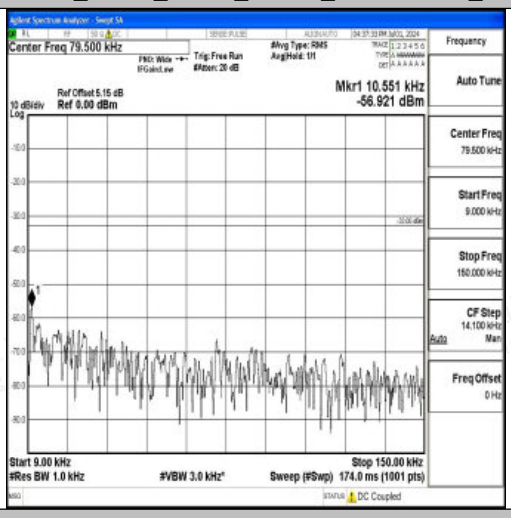

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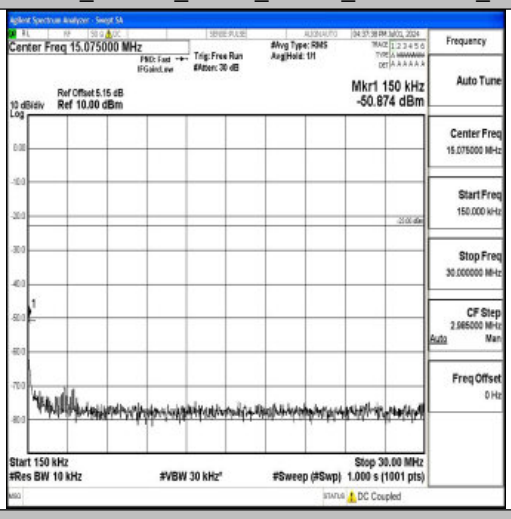

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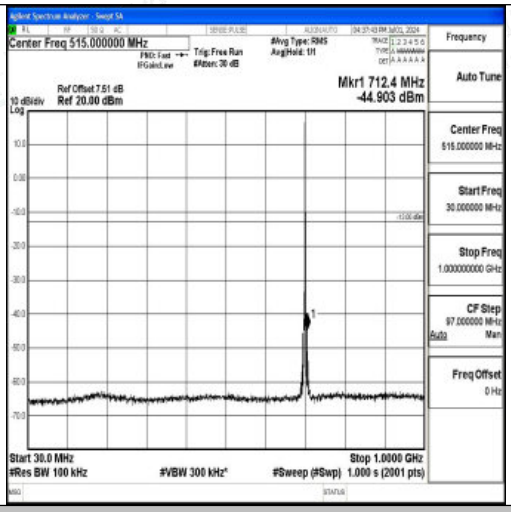

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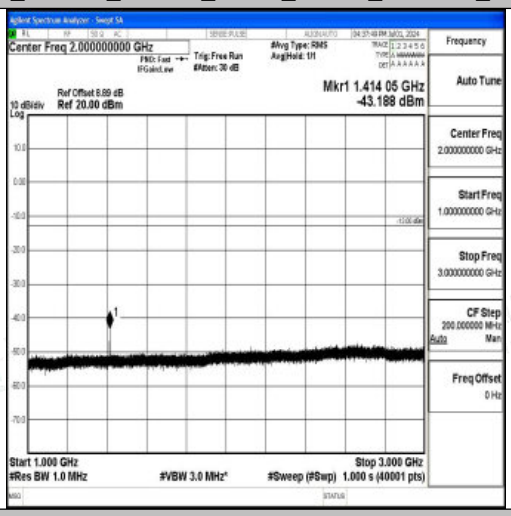
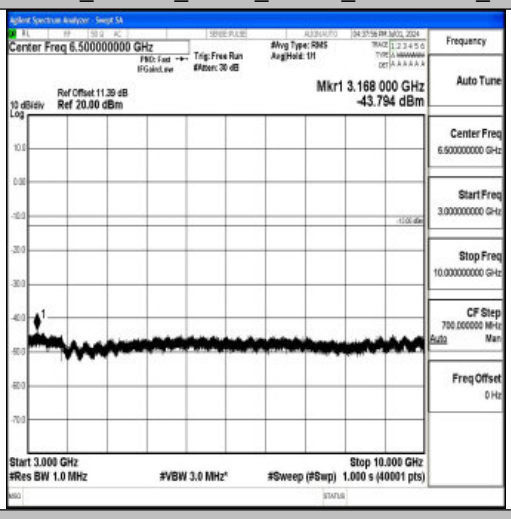


Band12_1.4MHz_16QAM_23095_1RB#0_1000~3000_1000~3000



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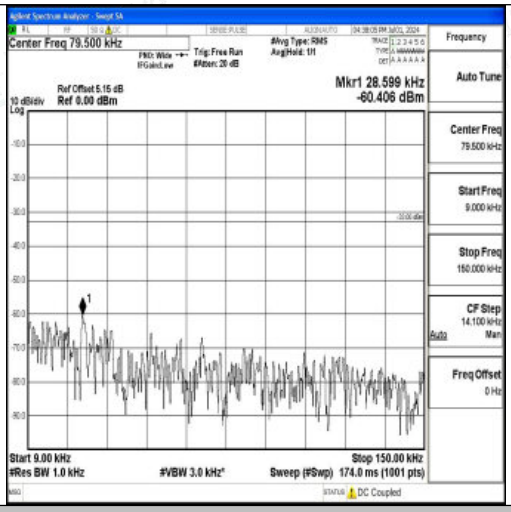

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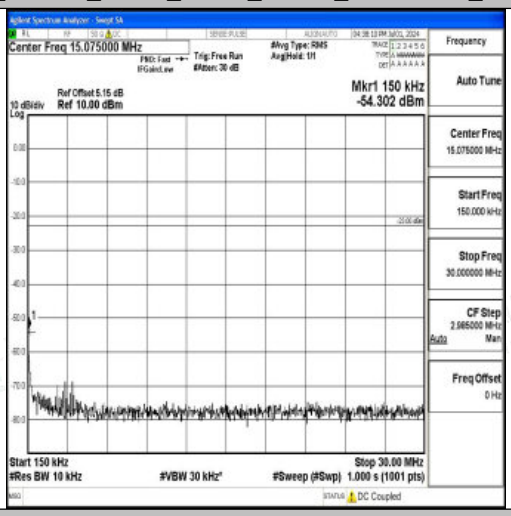
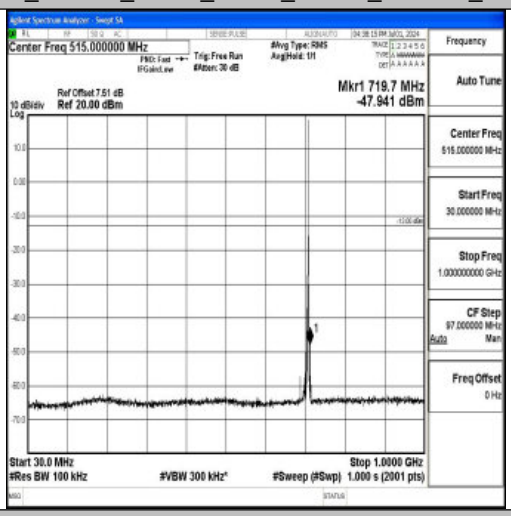


Band12_1.4MHz_QPSK_23173_1RB#0_0.15~30_0.15~30



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