Appendix L: Test Data for E-UTRA Band 12

Product Name: Mobile phone

Test Model: F31tx

Environmental Conditions

Temperature:	23.9° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng

L.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.96	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.59	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.97	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.62	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.95	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.65	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.94	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.80	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.94	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.93	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.88	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.04	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.04	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.38	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.54	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.96	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.71	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.01	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.51	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.96	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.76	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.70	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.88	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.70	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.78	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.69	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.90	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.16	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.57	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.08	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.51	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.11	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.47	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.06	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.64	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.62	PASS

Band12	1.4MHz	QPSK	23173	3RB#1	23.67	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.62	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.42	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.59	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.83	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.01	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.66	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.53	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.63	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.72	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.49	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.78	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.78	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.22	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.74	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.06	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.72	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.11	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.75	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.01	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.66	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.36	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.55	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.36	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.53	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.34	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.59	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.99	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.60	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.99	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.75	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.97	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.60	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.64	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.58	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.03	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.53	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.30	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.38	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.27	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.54	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.95	PASS

Band12	3MHz	QPSK	23165	8RB#4	22.55	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.78	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.67	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.69	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.61	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.70	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.44	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.76	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.43	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.74	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.40	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.65	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.41	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.45	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.38	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.42	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.32	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.43	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.35	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.56	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.20	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.59	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.19	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.00	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.30	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.37	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.45	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.19	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.51	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.04	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.03	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.28	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.21	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.46	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.02	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.97	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.06	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.21	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.38	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.28	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.17	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.32	PASS

Band12	5MHz	QPSK	23155	12RB#6	22.16	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.22	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.28	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.34	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.28	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.49	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.40	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.86	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.37	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.33	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.21	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.25	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.61	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.62	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.65	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.62	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.53	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.46	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.38	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.54	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.64	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.54	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.47	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.44	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.52	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.38	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.56	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.83	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.60	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.84	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.45	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.64	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.50	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.69	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.30	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.17	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.20	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.14	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.16	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.12	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.35	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.65	PASS

Band12	10MHz	QPSK	23130	25RB#12	22.53	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.65	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.45	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.57	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.60	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.64	PASS

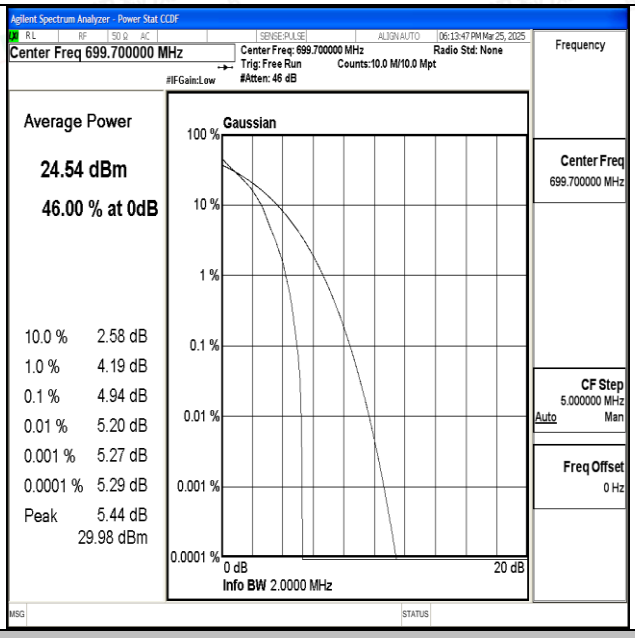
L.2 Peak-to-Average Ratio(CCDF)

Test Result

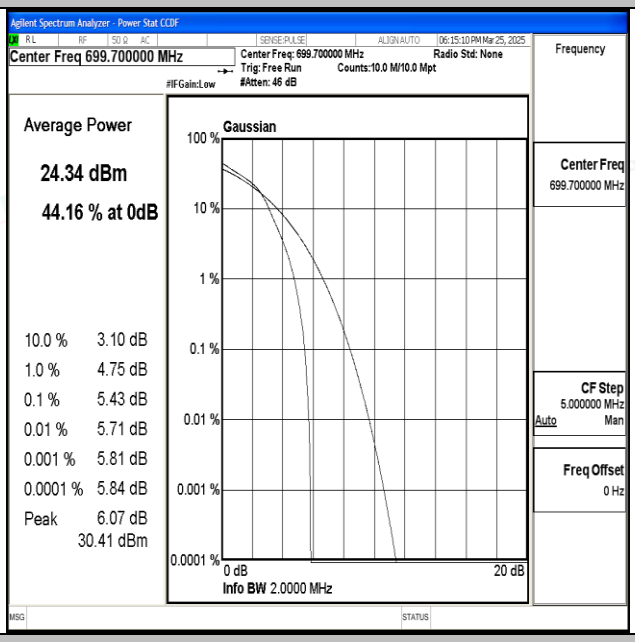
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.94	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.43	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.62	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.35	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.80	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.29	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.48	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.25	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.34	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.92	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.03	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.74	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.05	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.93	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.65	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.40	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.92	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.75	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.51	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.28	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.70	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.53	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.22	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.97	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.20	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.94	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.71	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.38	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.07	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.87	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.63	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.28	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.95	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.77	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.50	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.15	13	PASS

Band12	10MHz	QPSK	23060	1RB#0	5.00	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.83	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.61	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.33	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.02	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.91	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.64	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.35	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.90	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.78	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.56	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.27	13	PASS

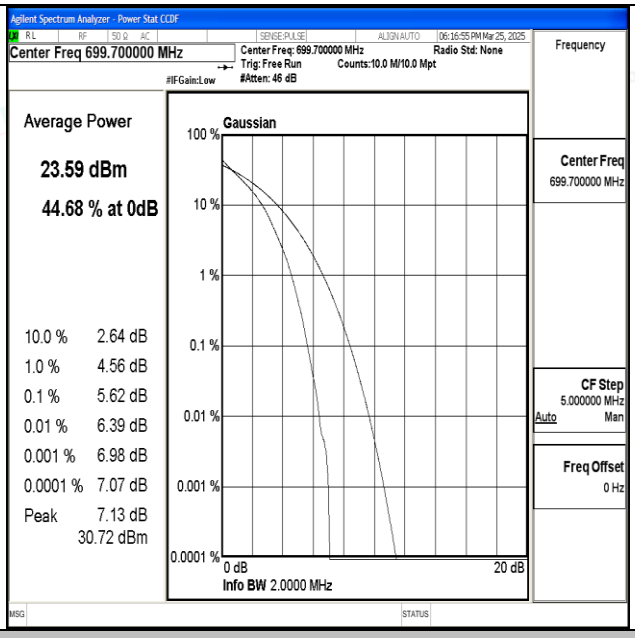
Test Graphs



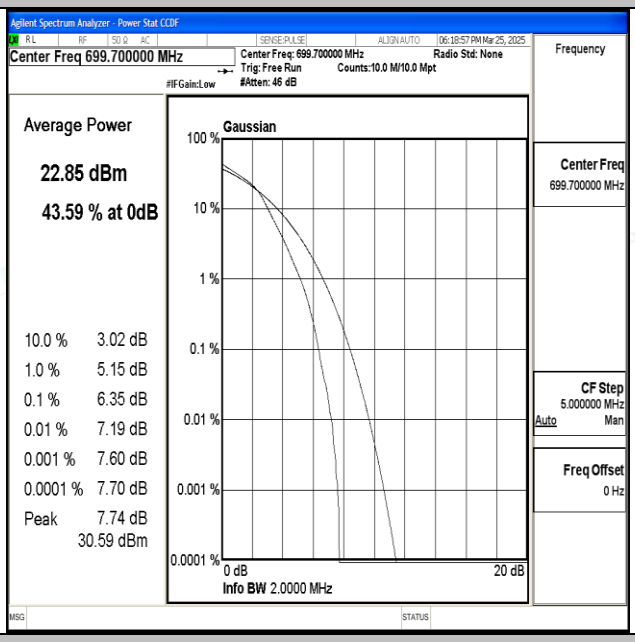
Band12-1.4MHz-QPSK-23017-1RB#0-PASS



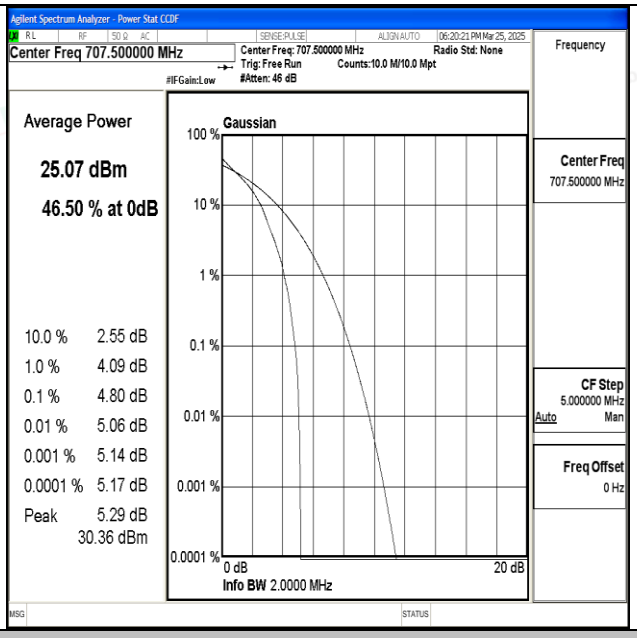
Band12-1.4MHz-16QAM-23017-1RB#0-PASS



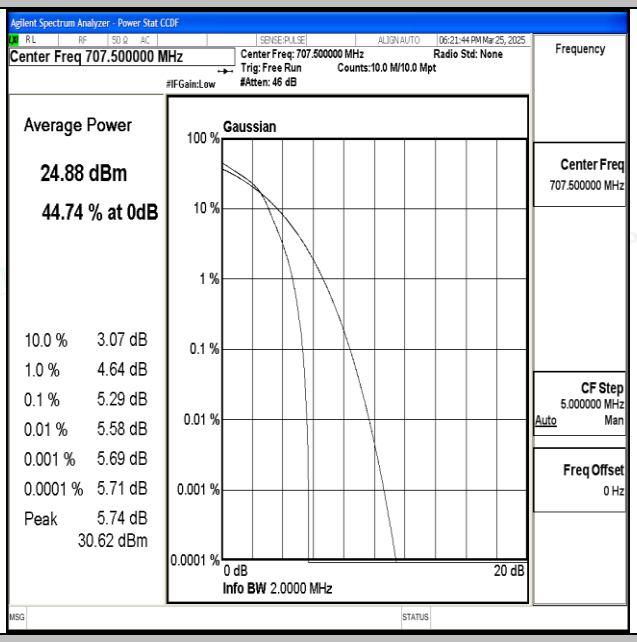
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



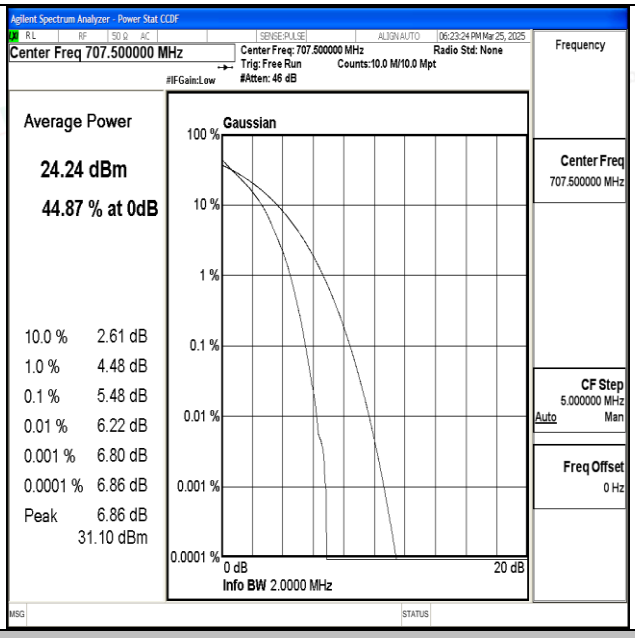
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



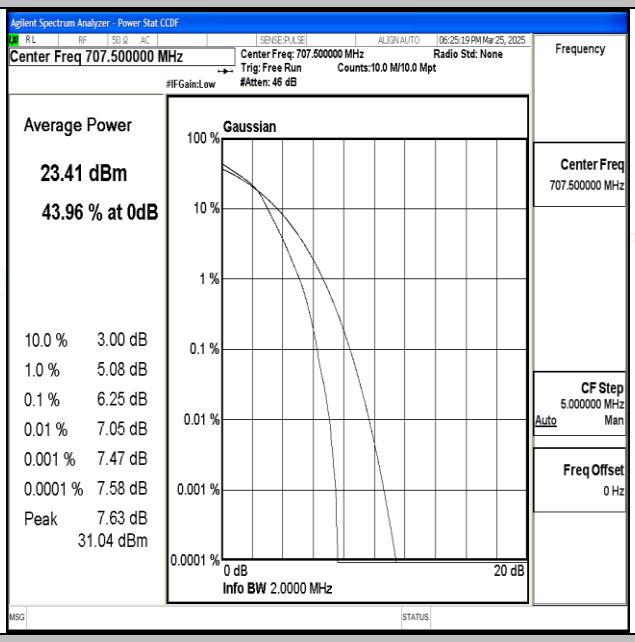
Band12-1.4MHz-QPSK-23095-1RB#0-PASS



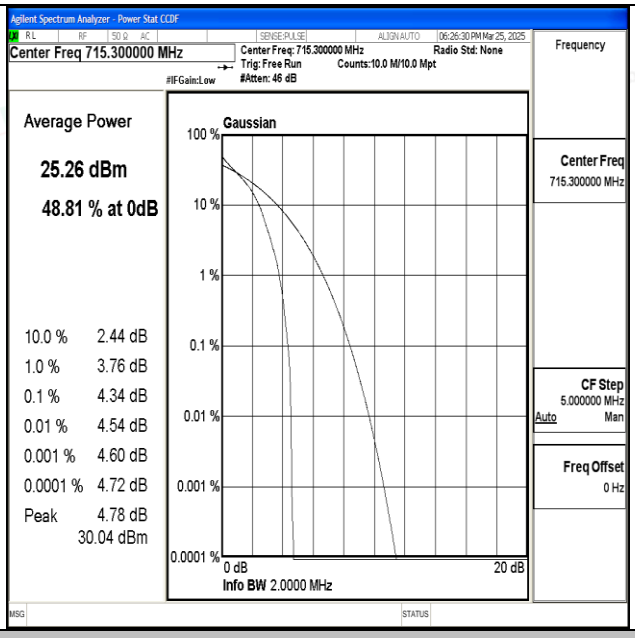
Band12-1.4MHz-16QAM-23095-1RB#0-PASS



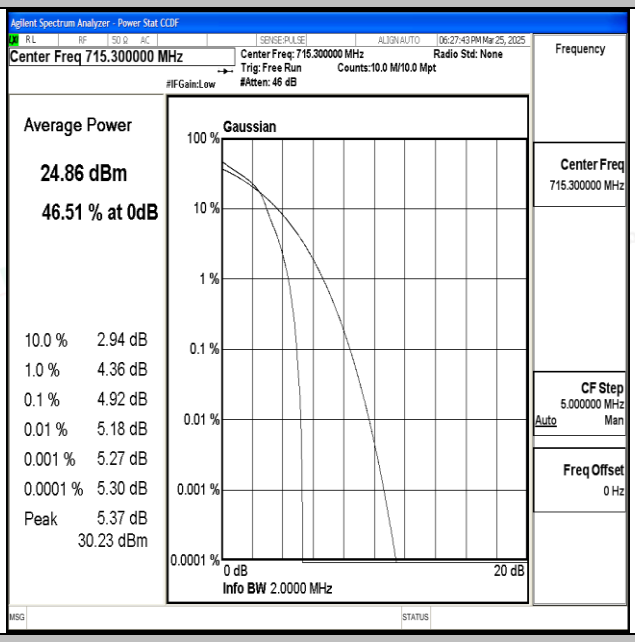
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



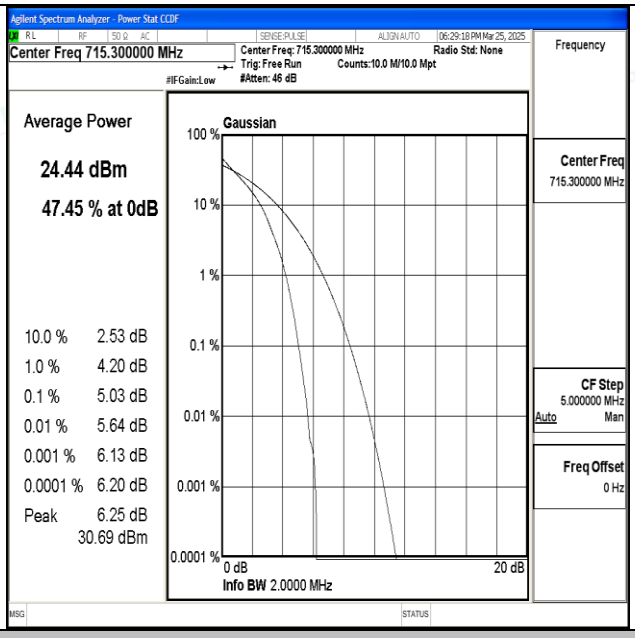
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



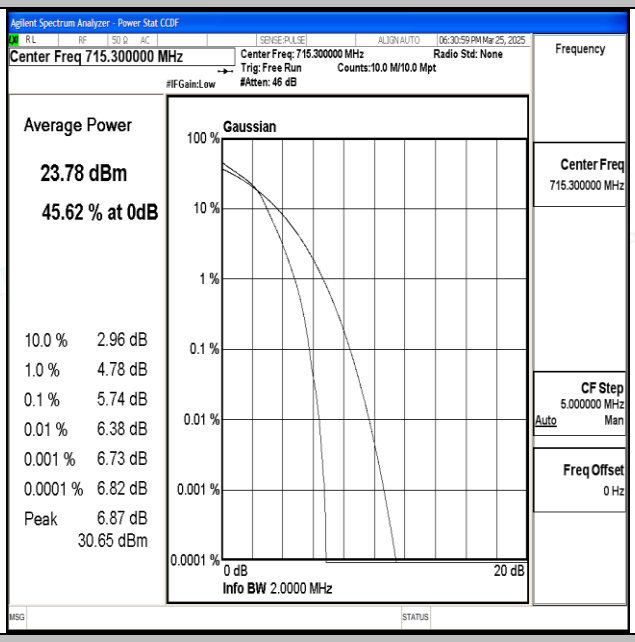
Band12-1.4MHz-QPSK-23173-1RB#0-PASS



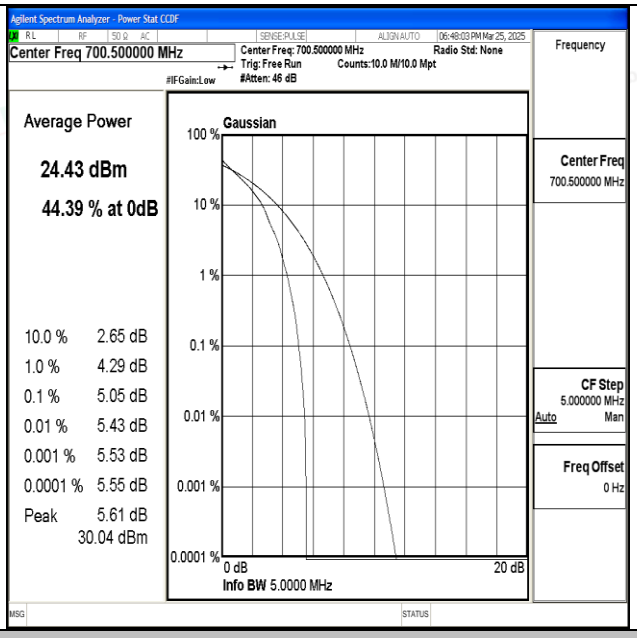
Band12-1.4MHz-16QAM-23173-1RB#0-PASS



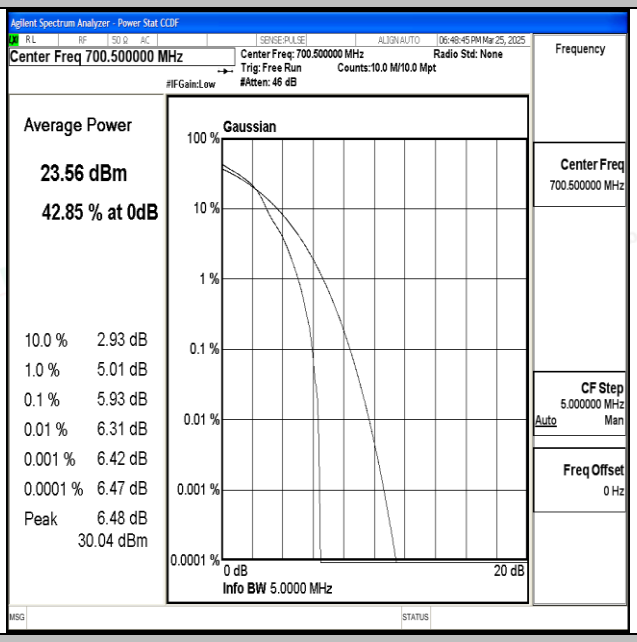
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



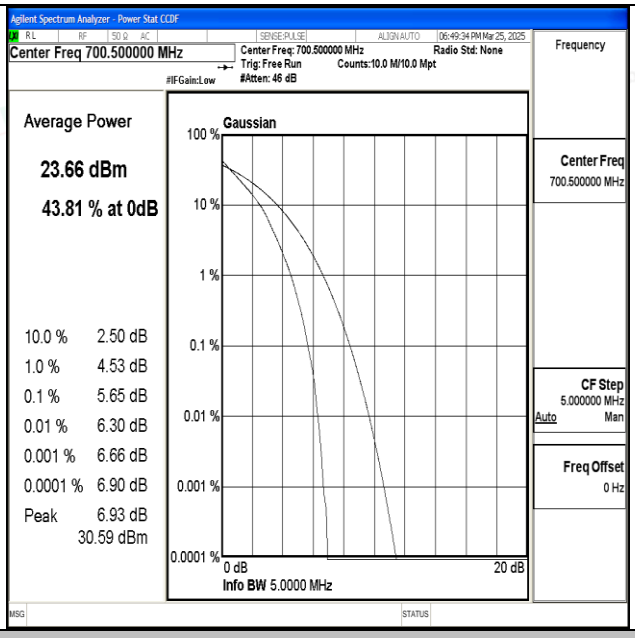
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



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



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



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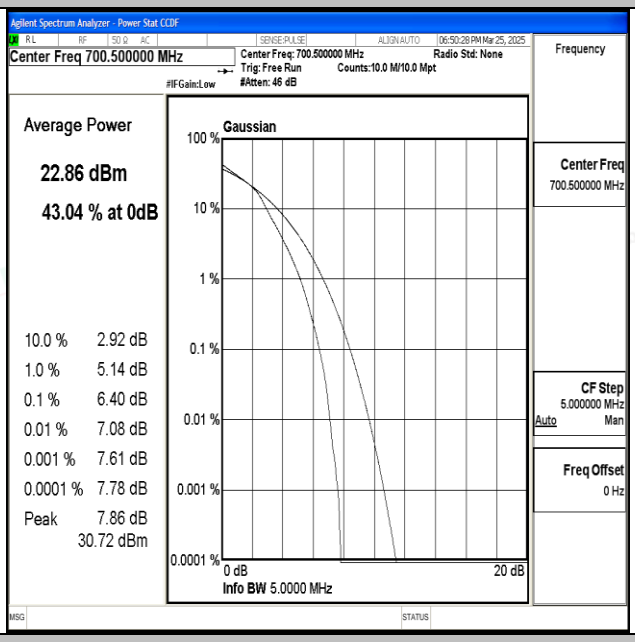

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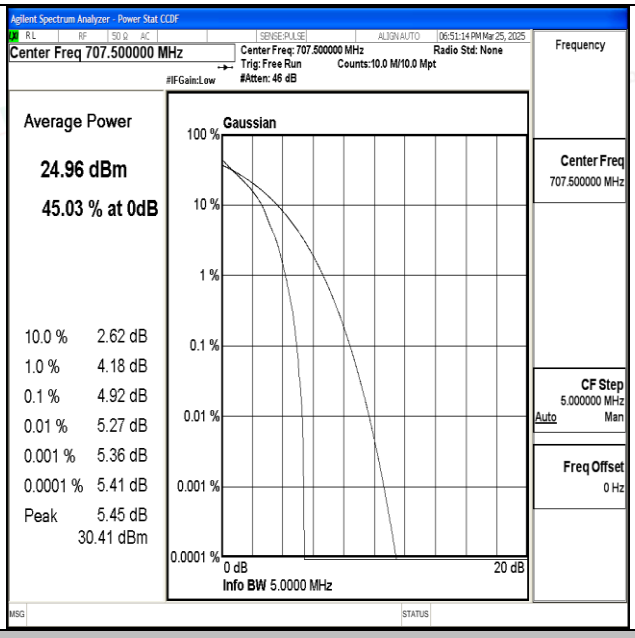
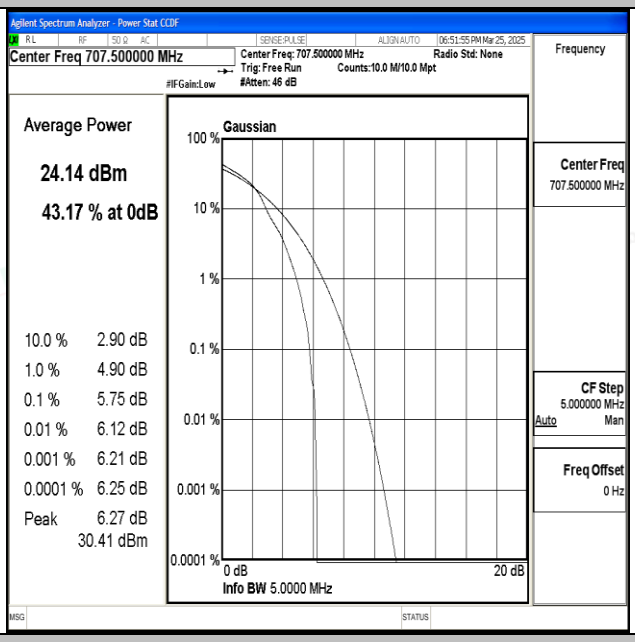


Band12-3MHz-QPSK-23095-1RB#0-PASS



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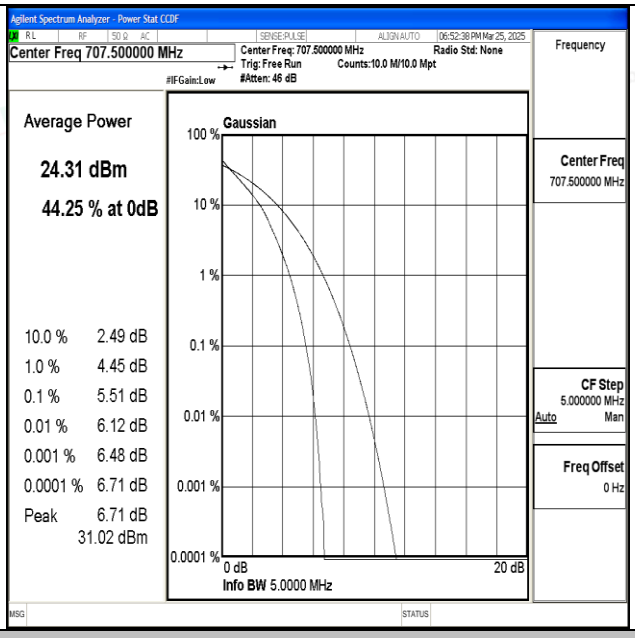

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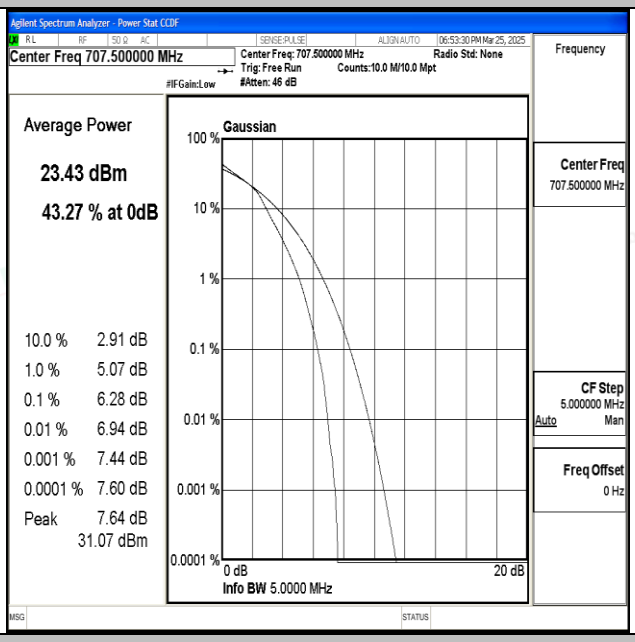

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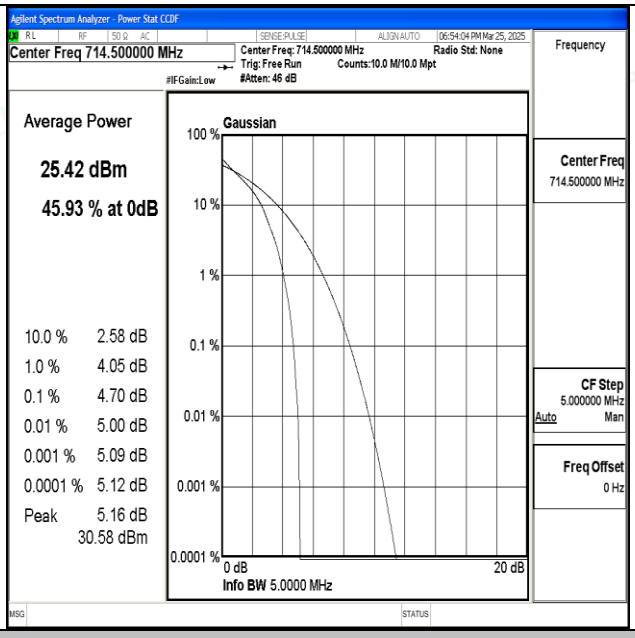
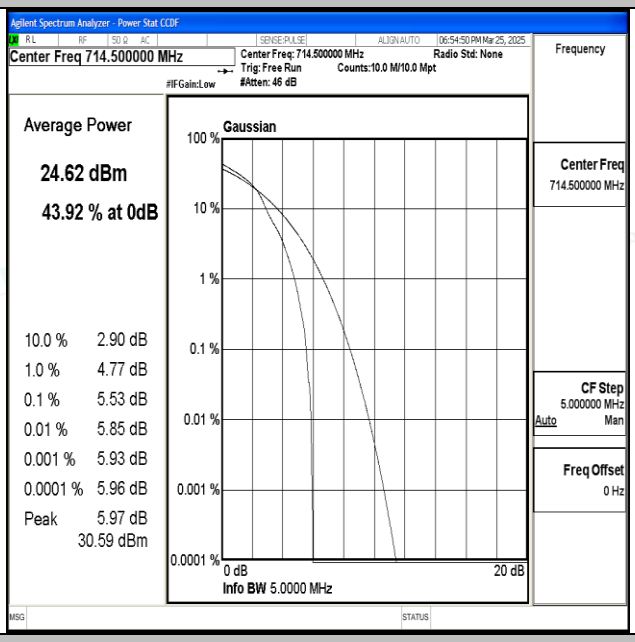


Band12-3MHz-QPSK-23165-1RB#0-PASS



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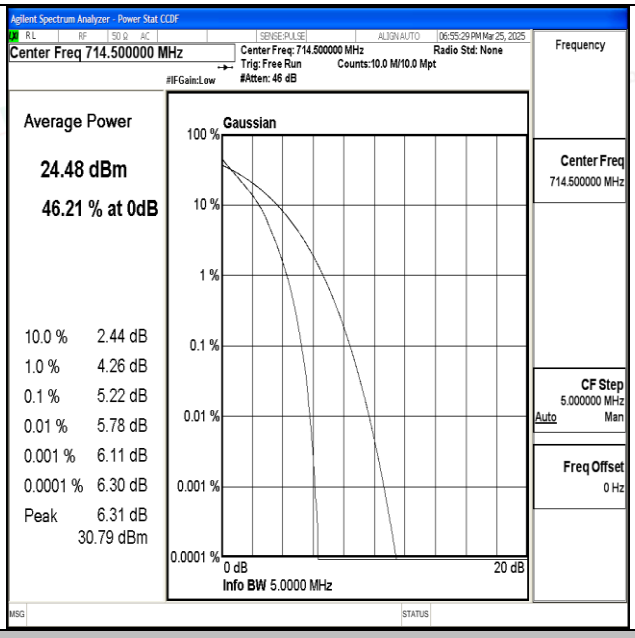

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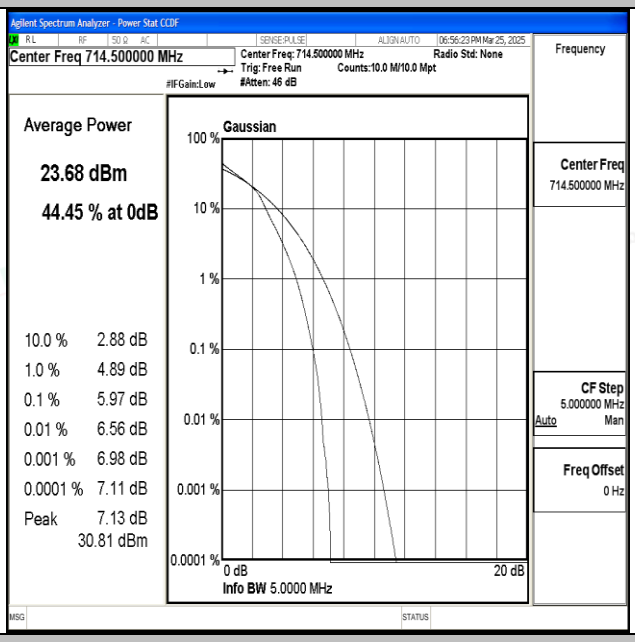

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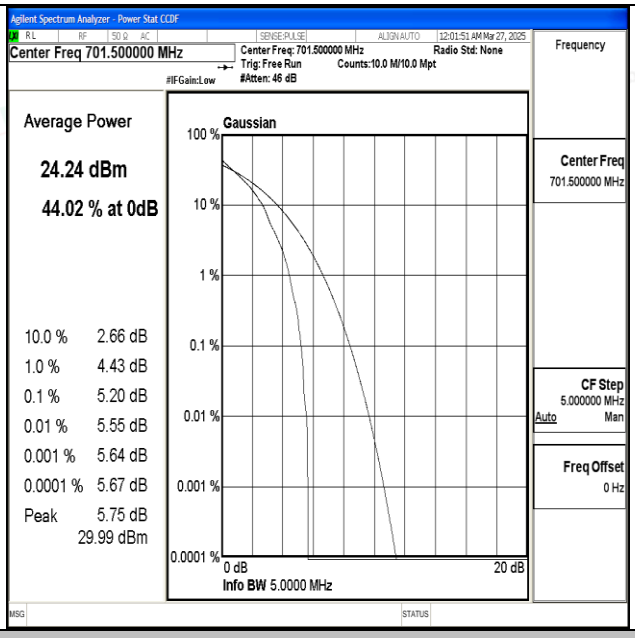

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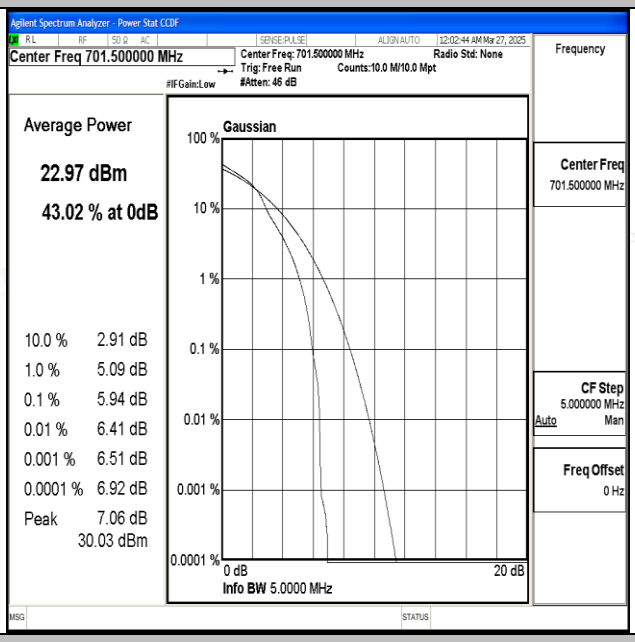

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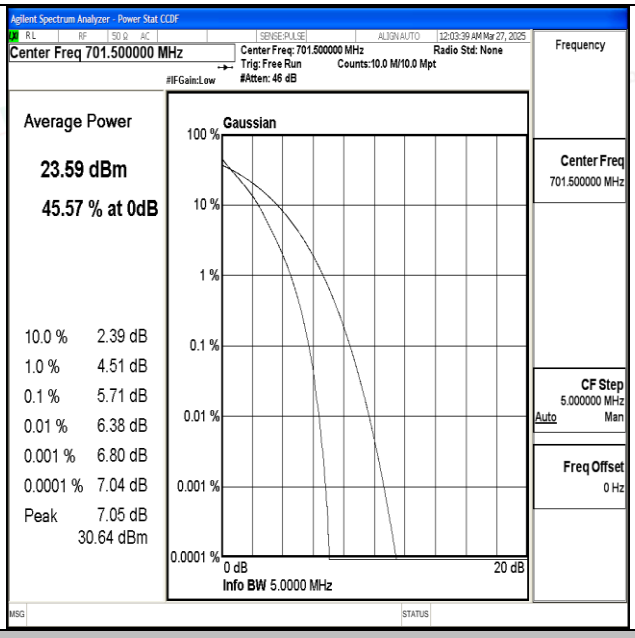

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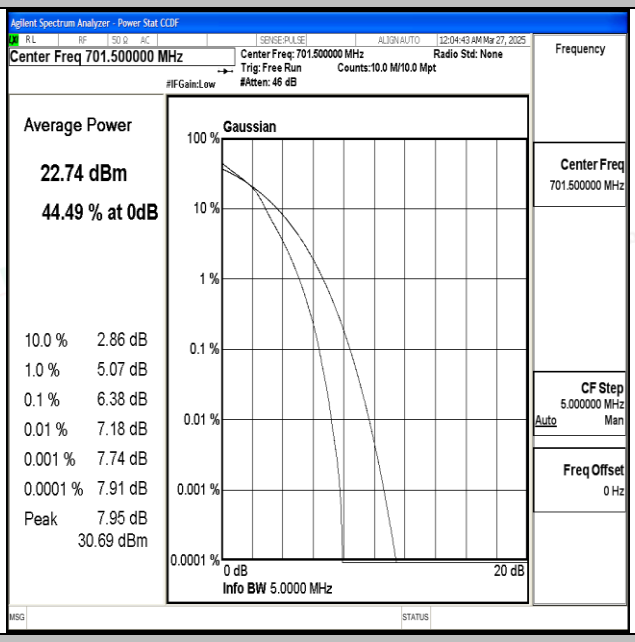

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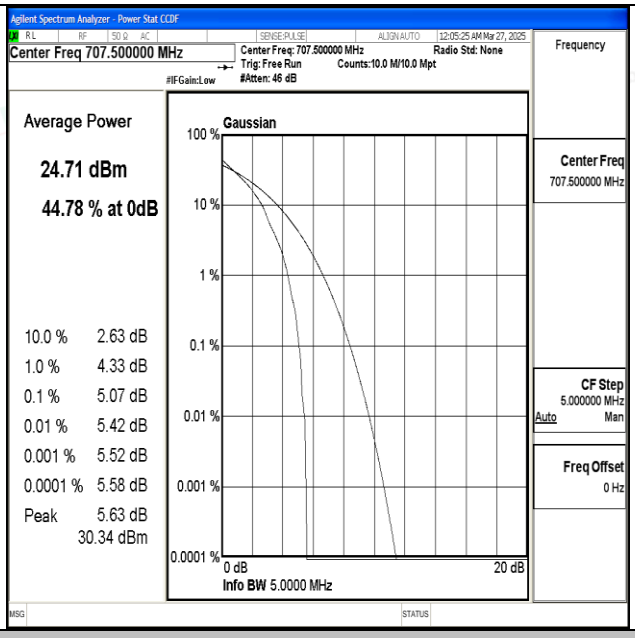

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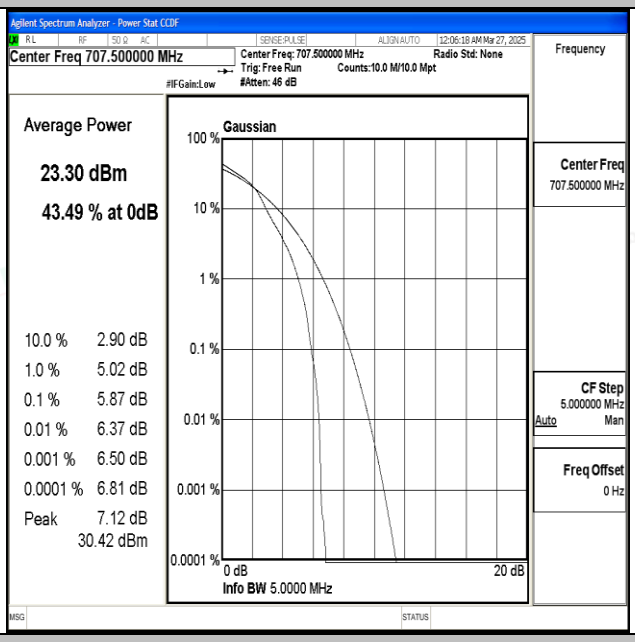

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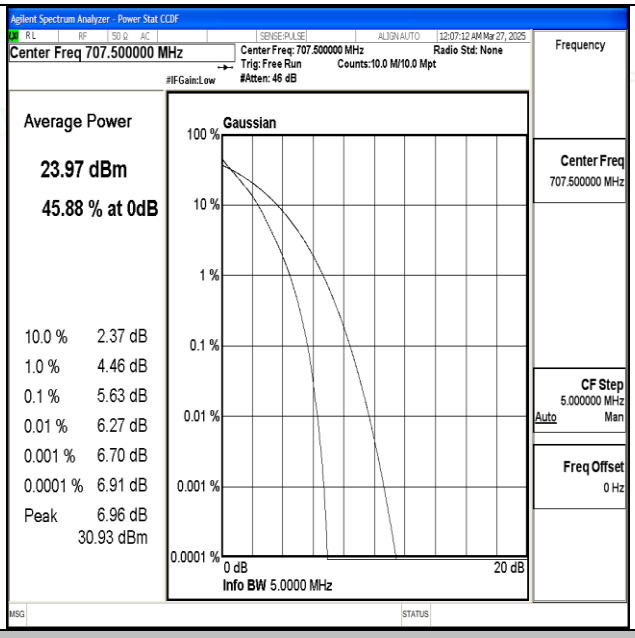

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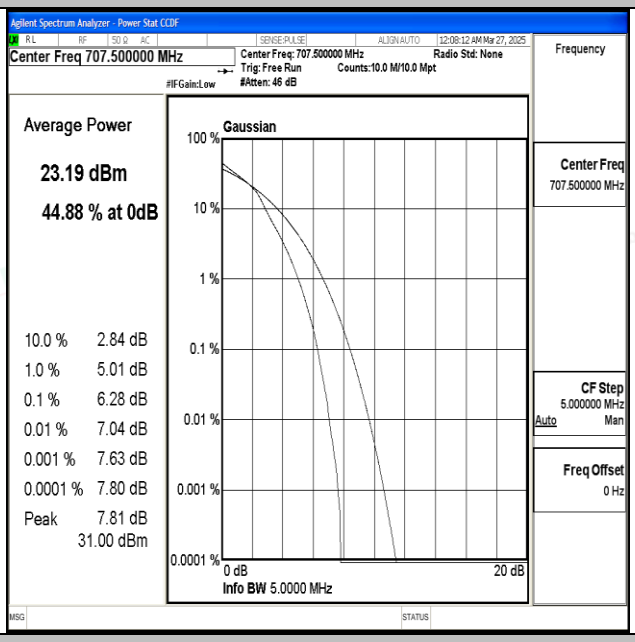

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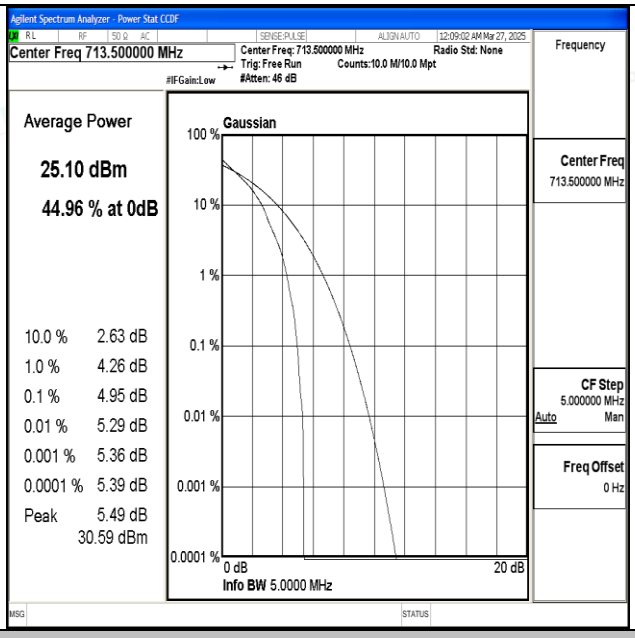
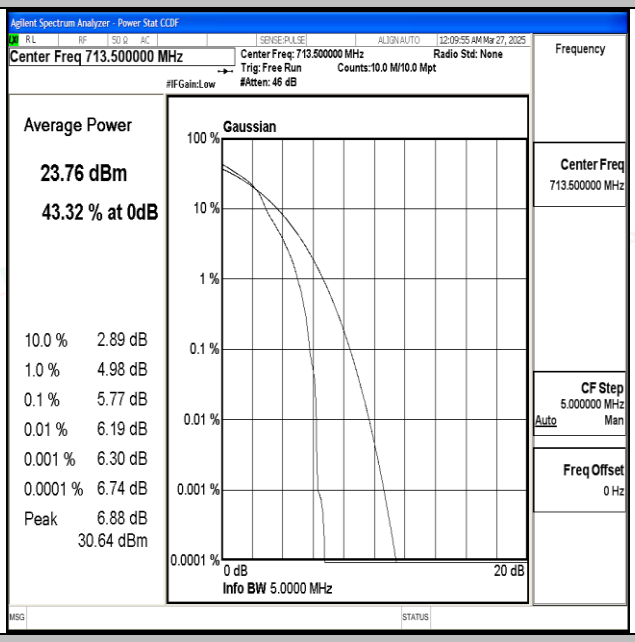


Band12-5MHz-QPSK-23155-1RB#0-PASS



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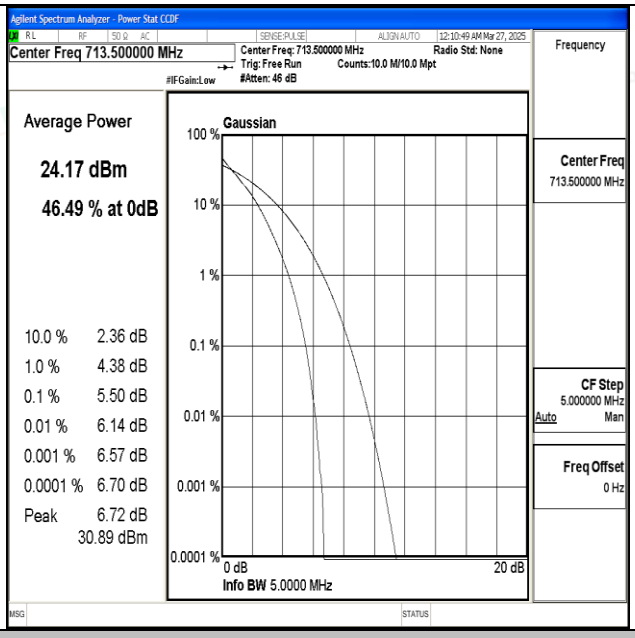

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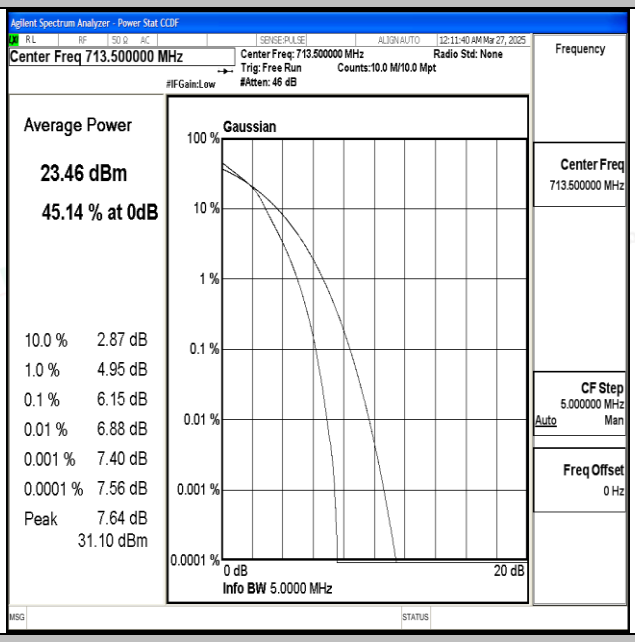

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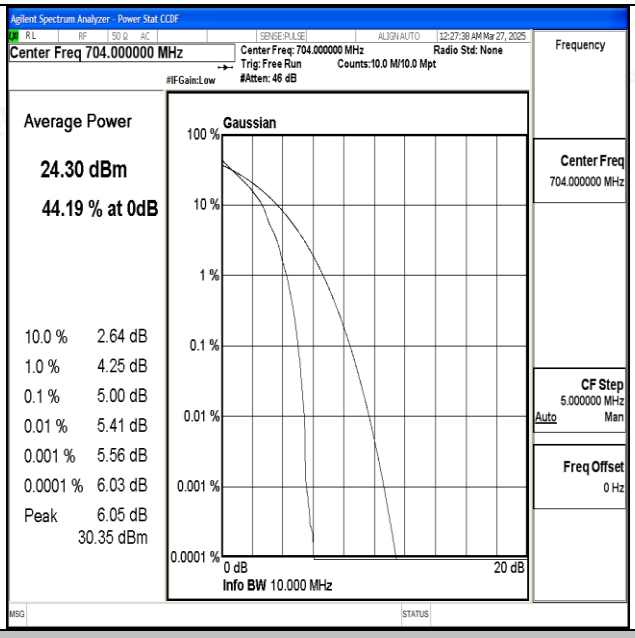
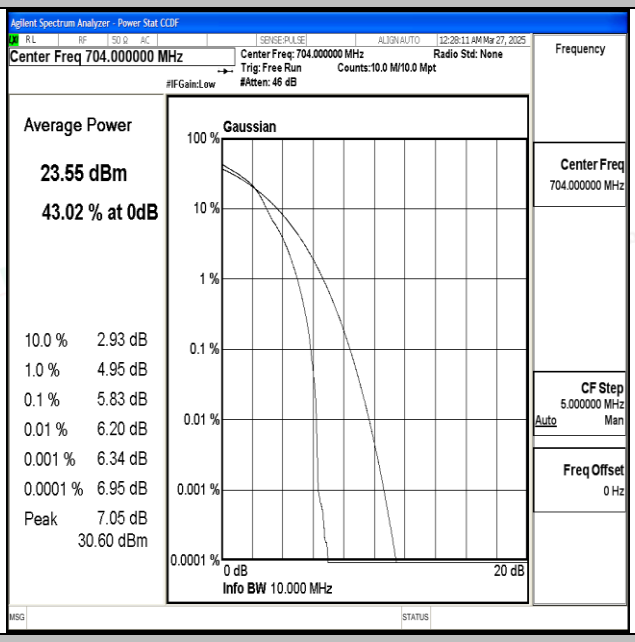
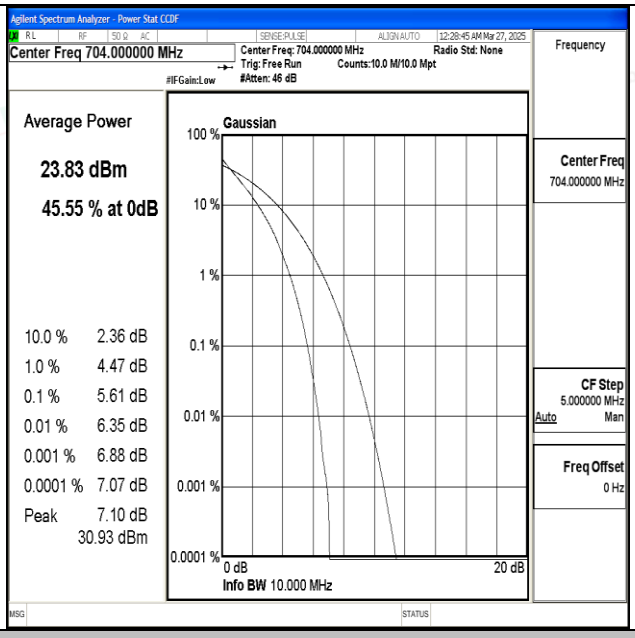


Band12-10MHz-QPSK-23060-1RB#0-PASS



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



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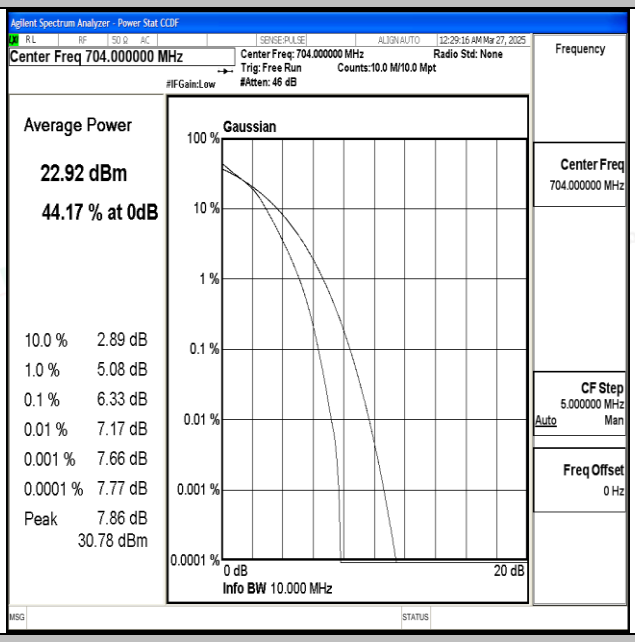

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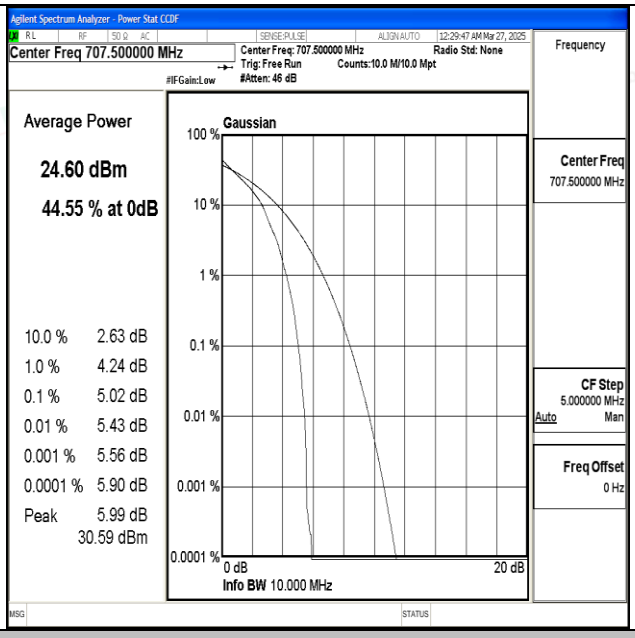

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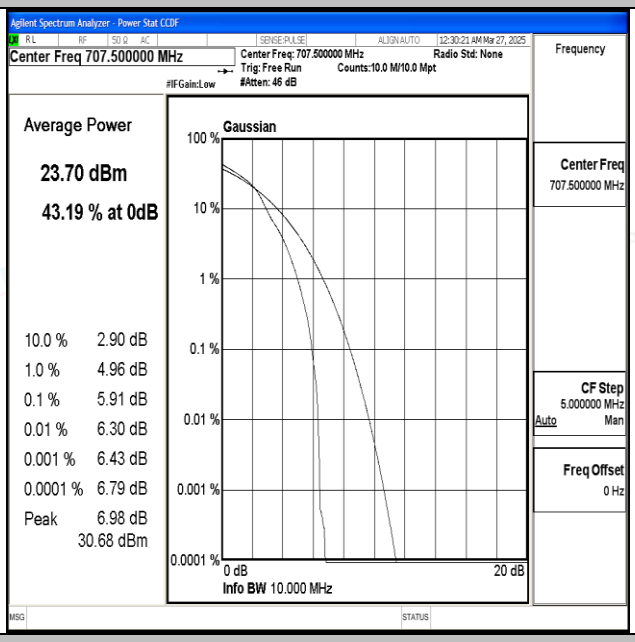

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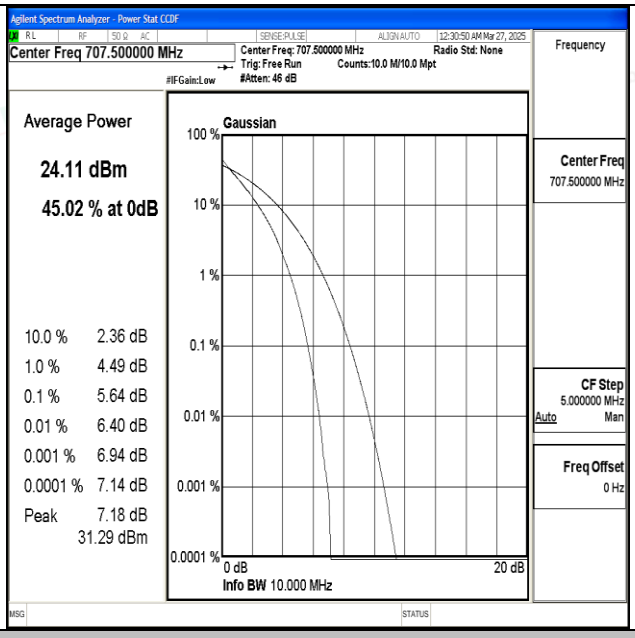

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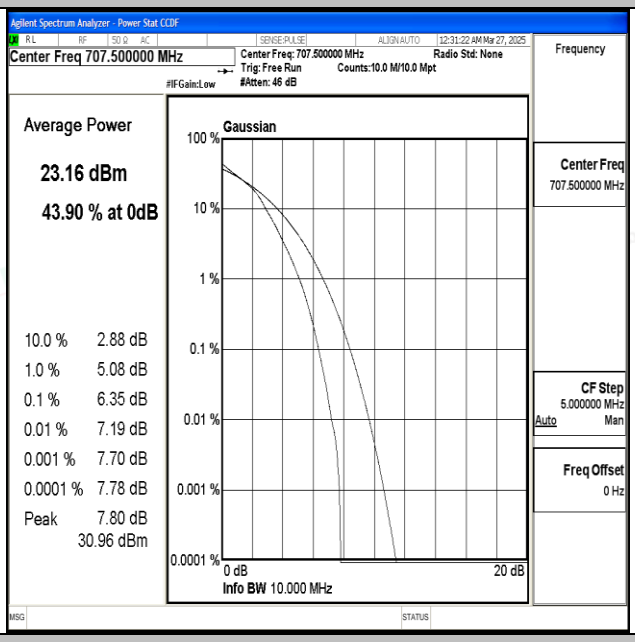

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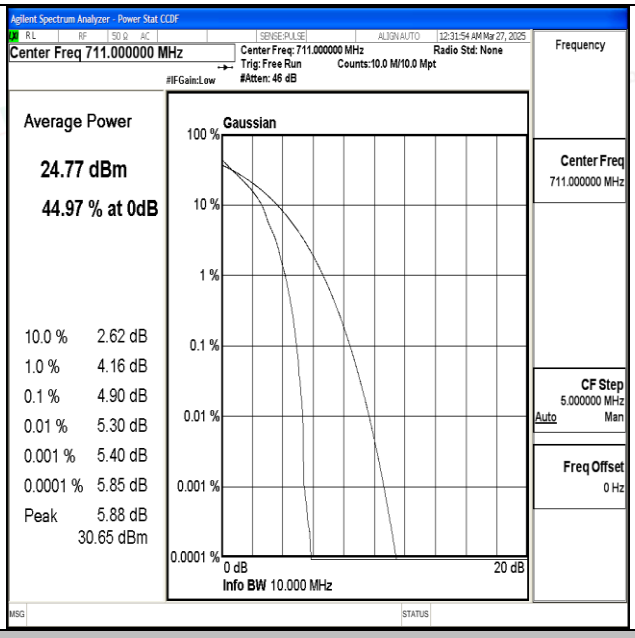
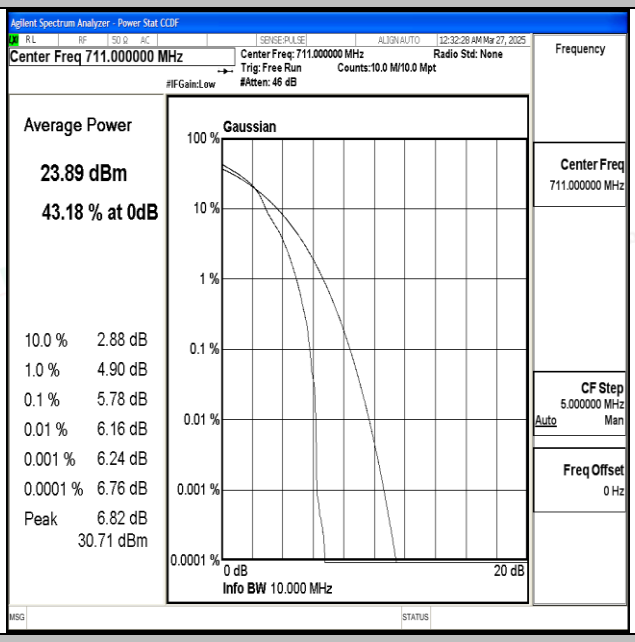
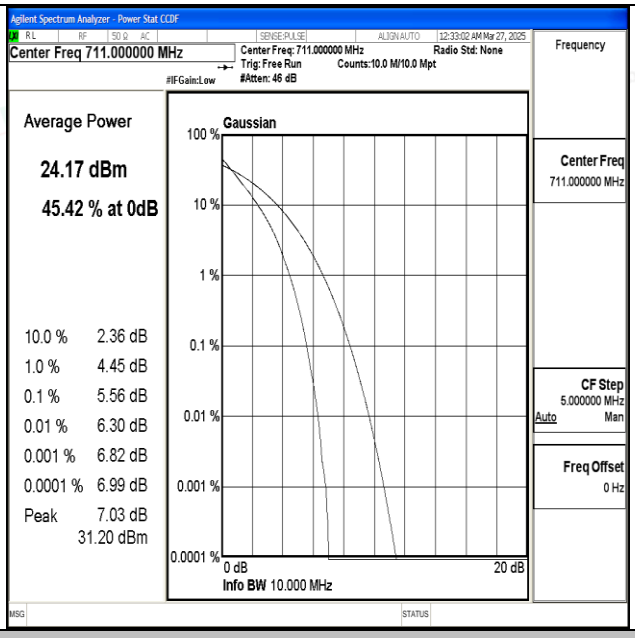


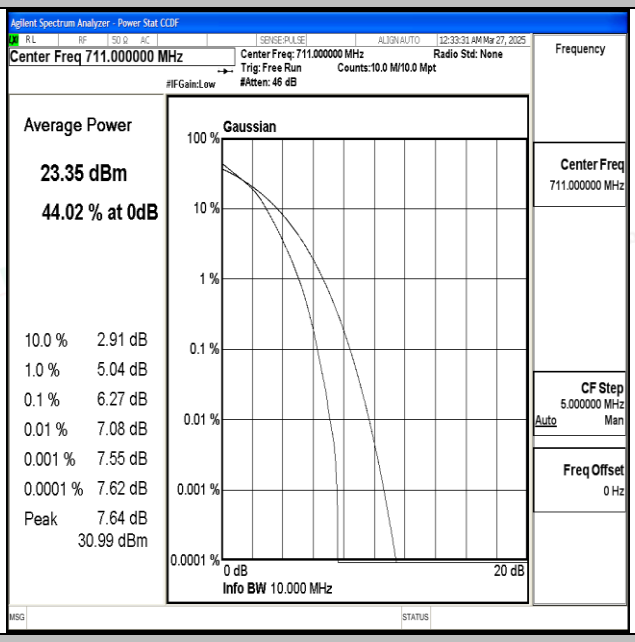
Band12-10MHz-QPSK-23130-1RB#0-PASS



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



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



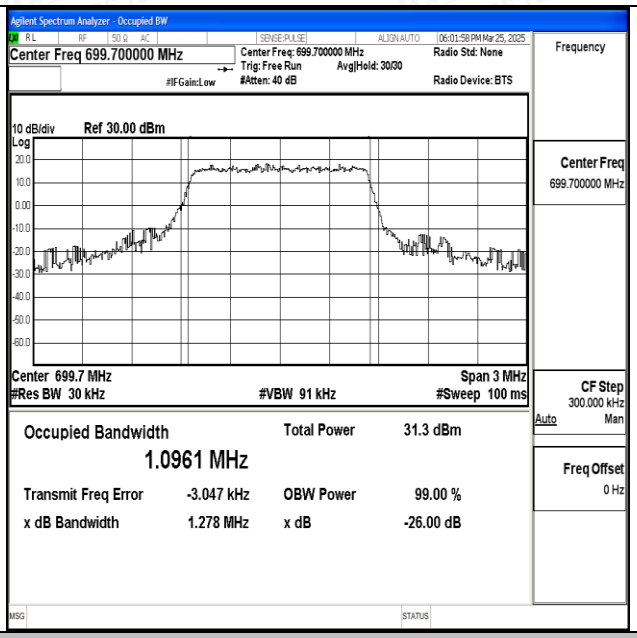
Band12-10MHz-16QAM-23130-50RB#0-PASS

L.3 26dB Bandwidth and Occupied Bandwidth

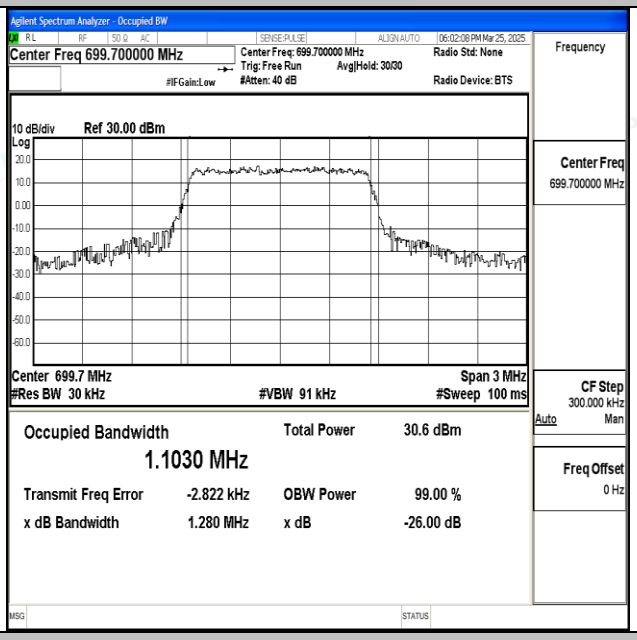
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0961	1.278	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1030	1.280	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0968	1.284	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1059	1.280	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0948	1.283	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1046	1.290	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7530	3.503	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7525	3.277	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7621	3.399	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7500	3.322	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7588	3.414	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7506	3.331	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5269	5.247	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5237	5.262	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5131	5.351	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5169	5.236	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5318	5.316	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5326	5.248	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9909	10.06	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9814	10.09	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9918	10.02	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9837	10.13	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9921	10.13	PASS
Band12	10MHz	16QAM	23130	50RB#0	9.0058	10.08	PASS

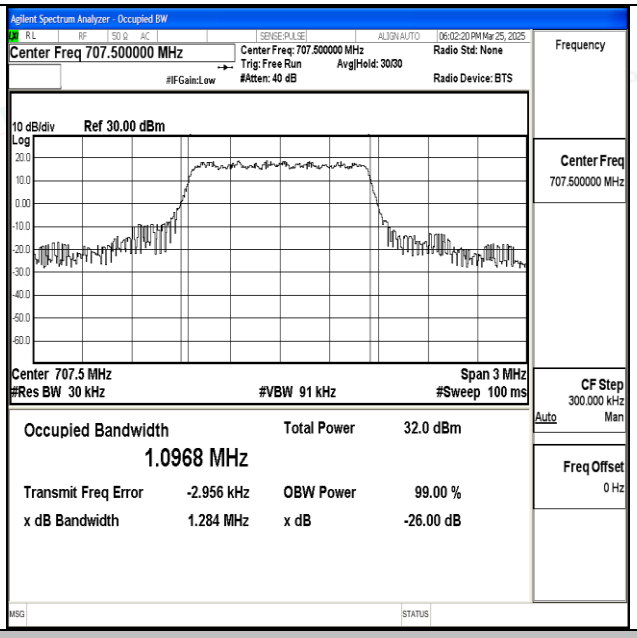
Test Graphs



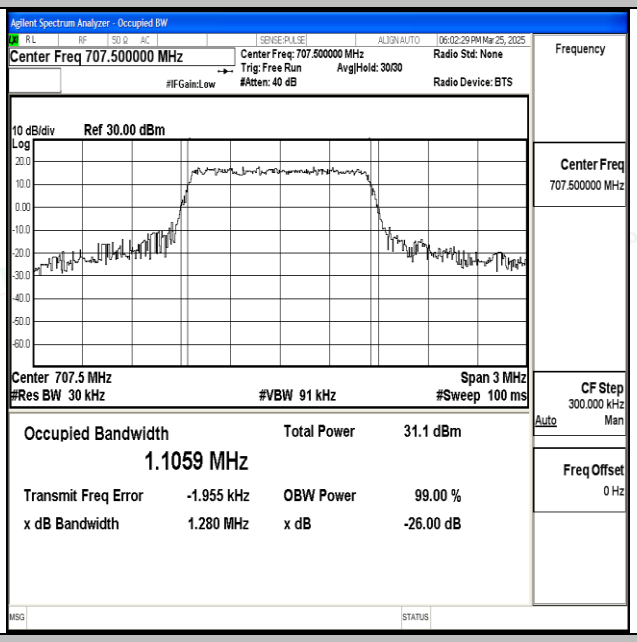
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



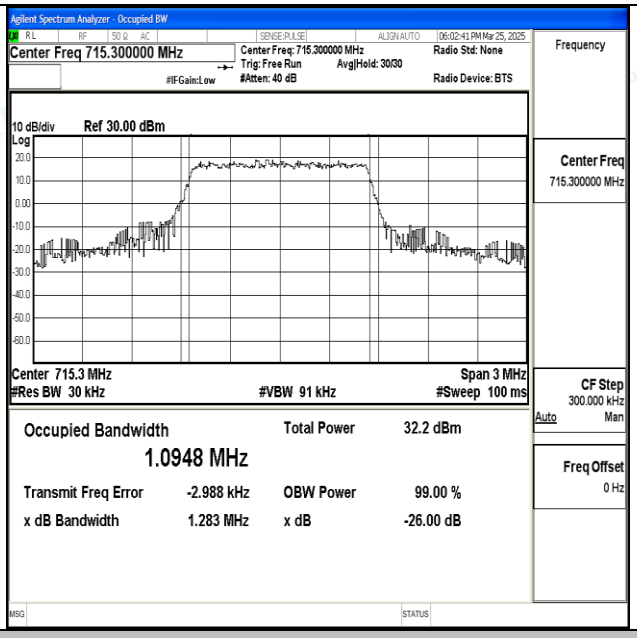
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



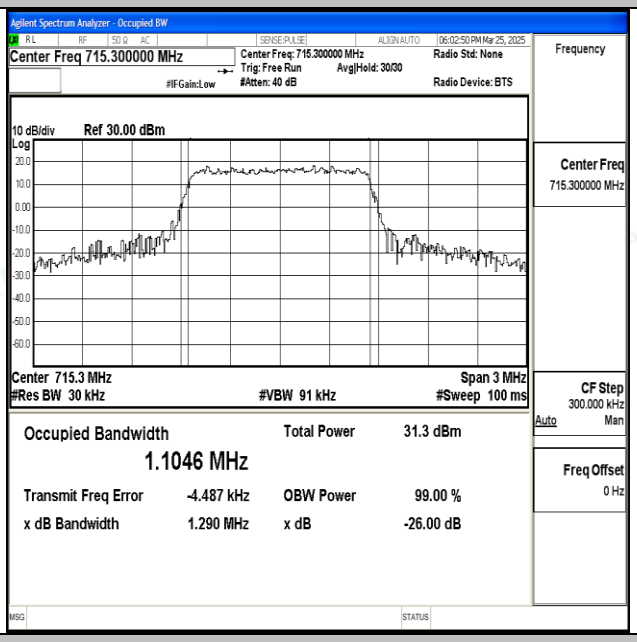
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



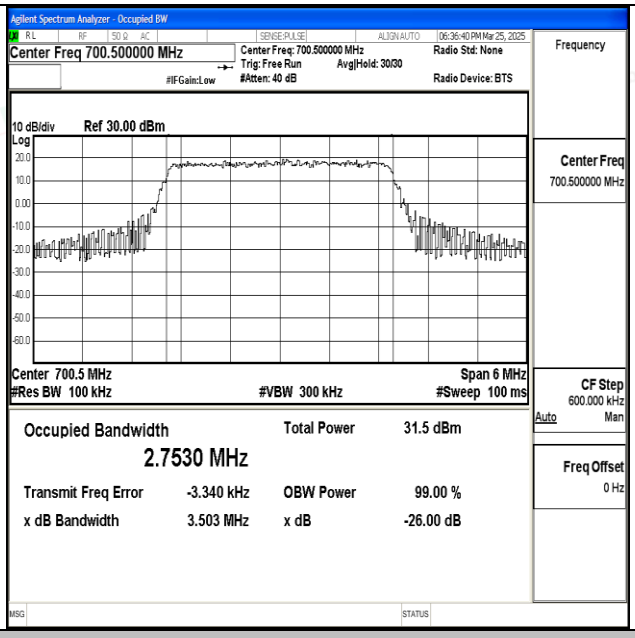
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



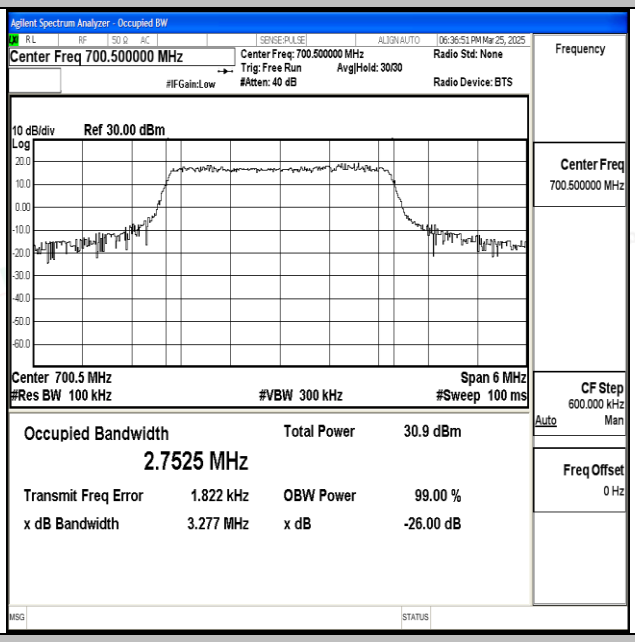
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



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



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



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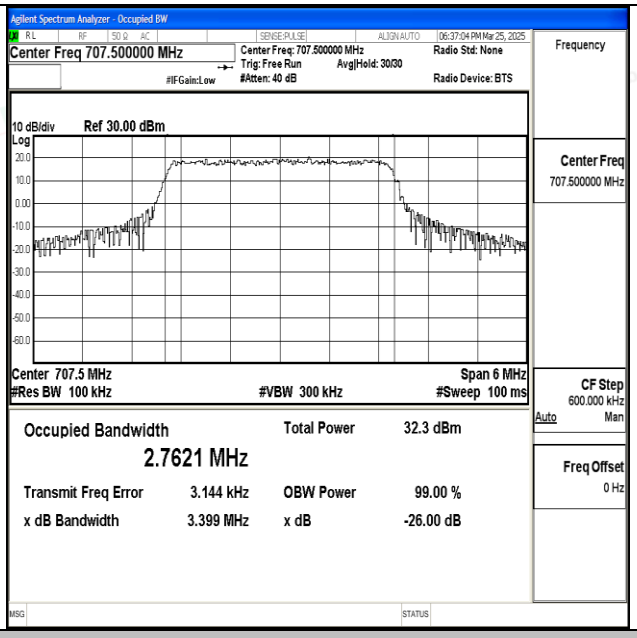

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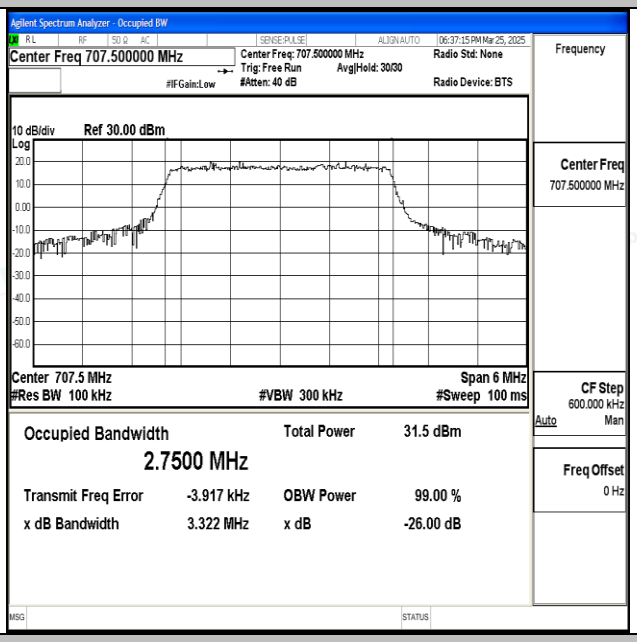
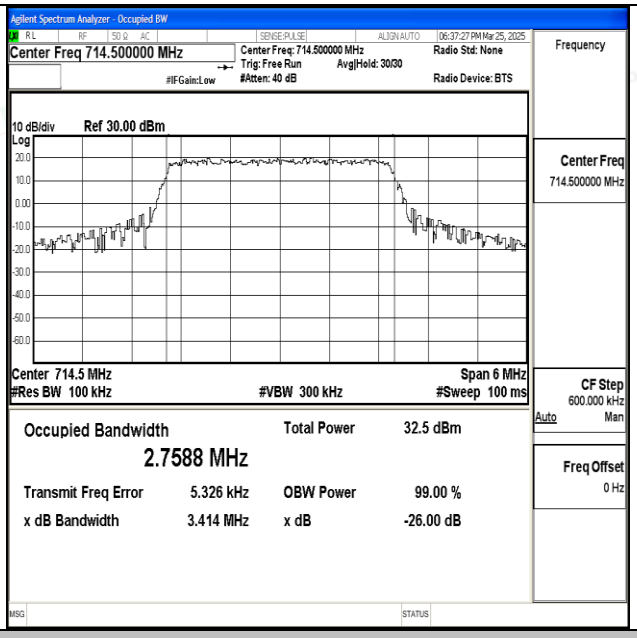
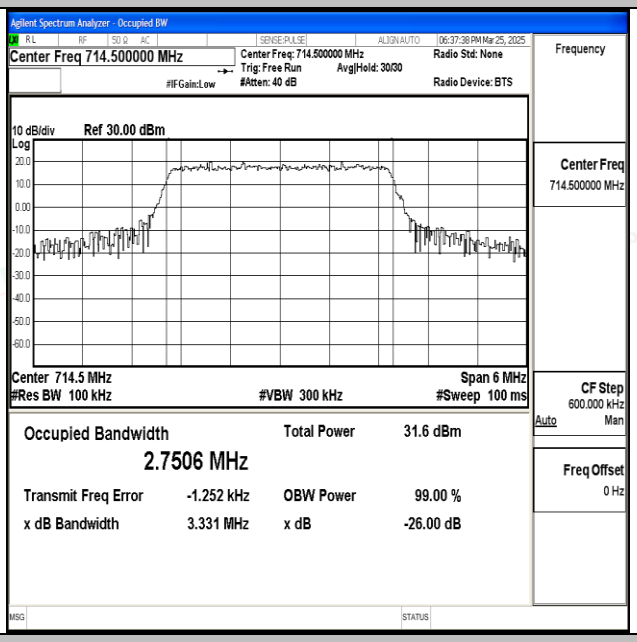


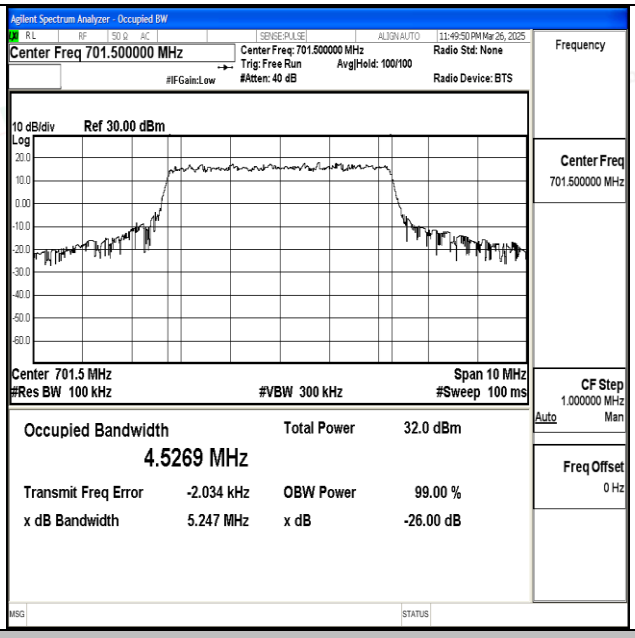
Band12-3MHz-16QAM-23095-15RB#0-PASS



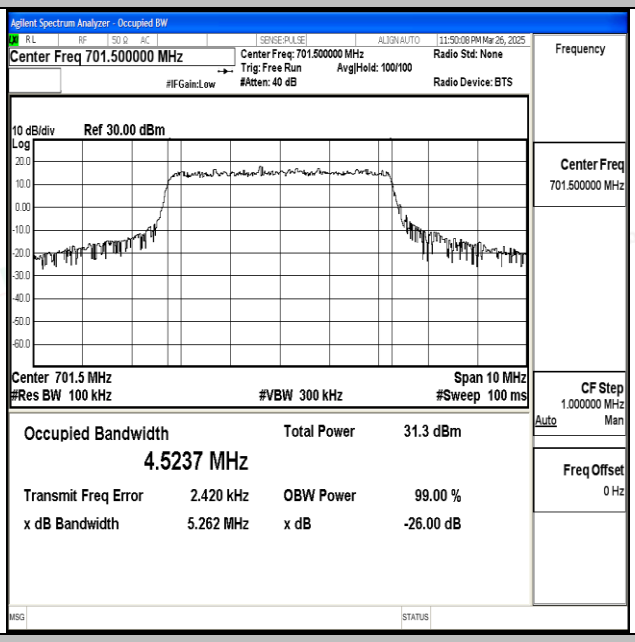
Band12-3MHz-QPSK-23165-15RB#0-PASS



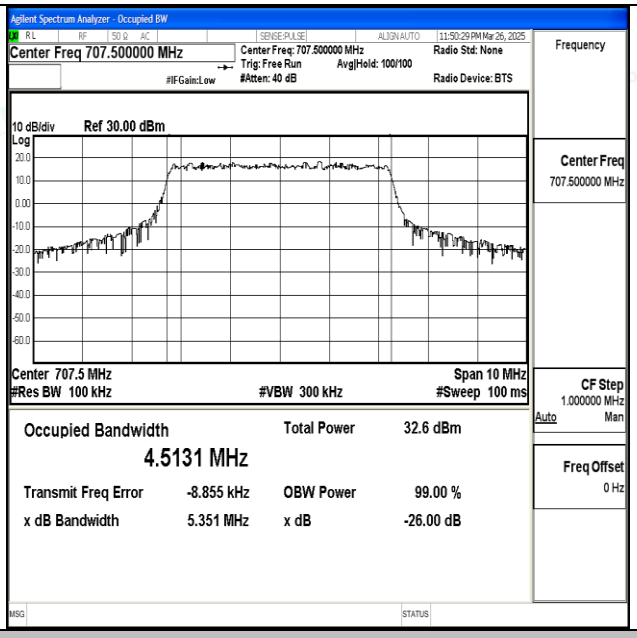
Band12-3MHz-16QAM-23165-15RB#0-PASS



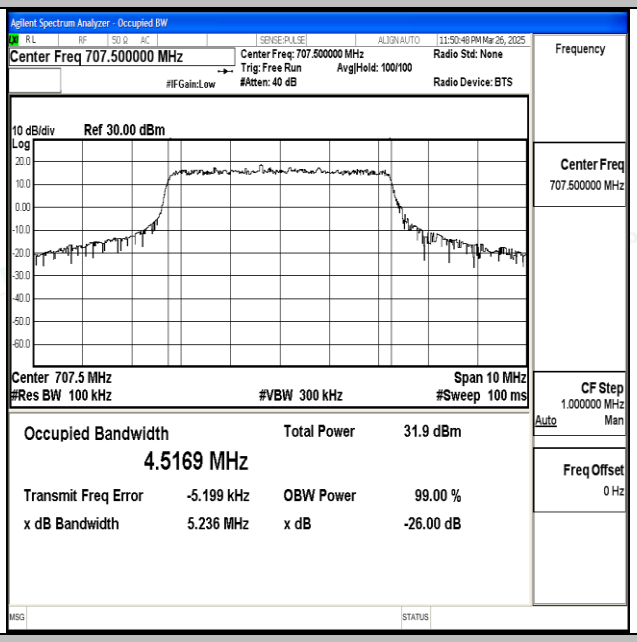
Band12-5MHz-QPSK-23035-25RB#0-PASS



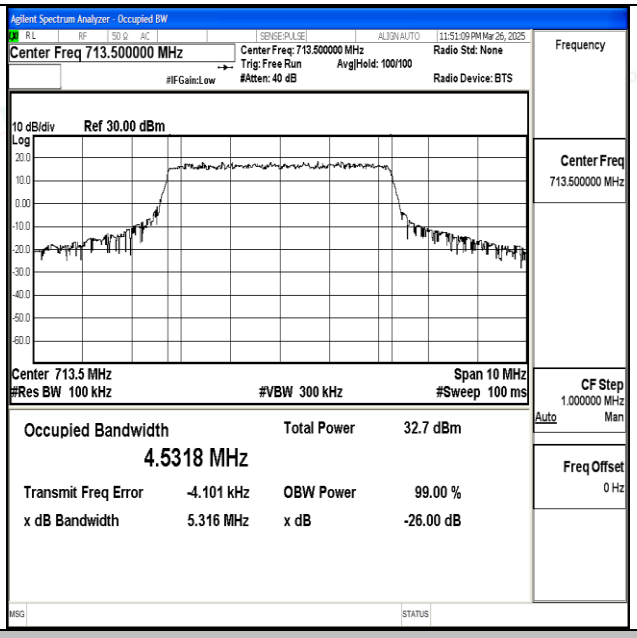
Band12-5MHz-16QAM-23035-25RB#0-PASS



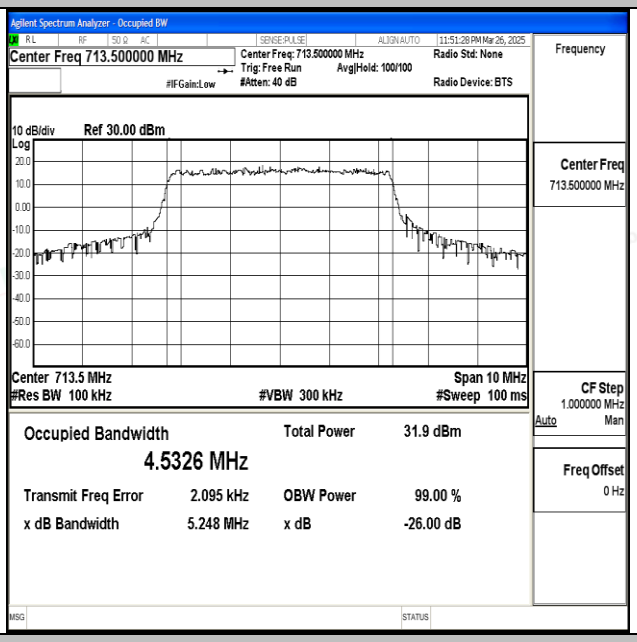
Band12-5MHz-QPSK-23095-25RB#0-PASS



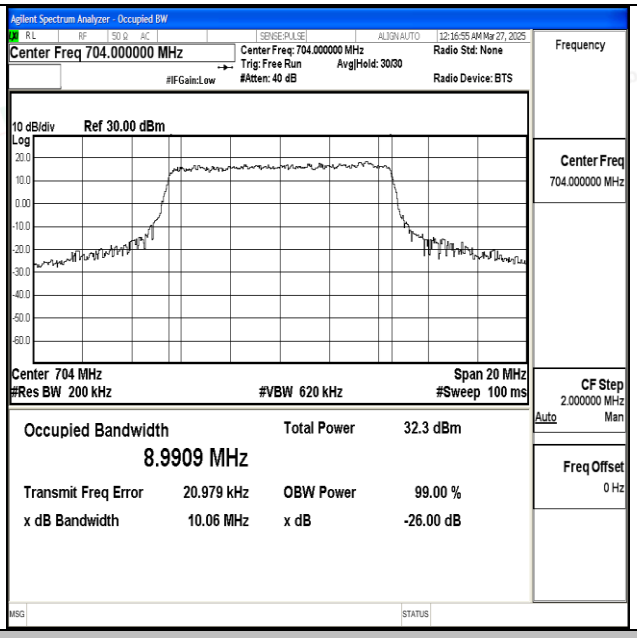
Band12-5MHz-16QAM-23095-25RB#0-PASS



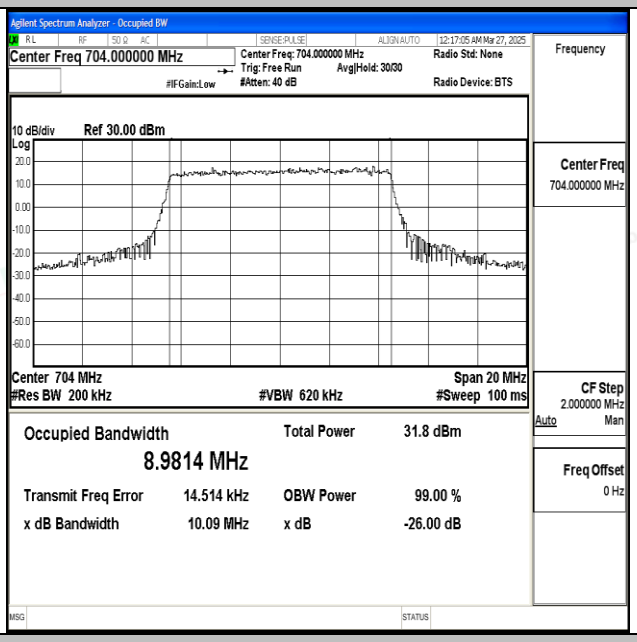
Band12-5MHz-QPSK-23155-25RB#0-PASS



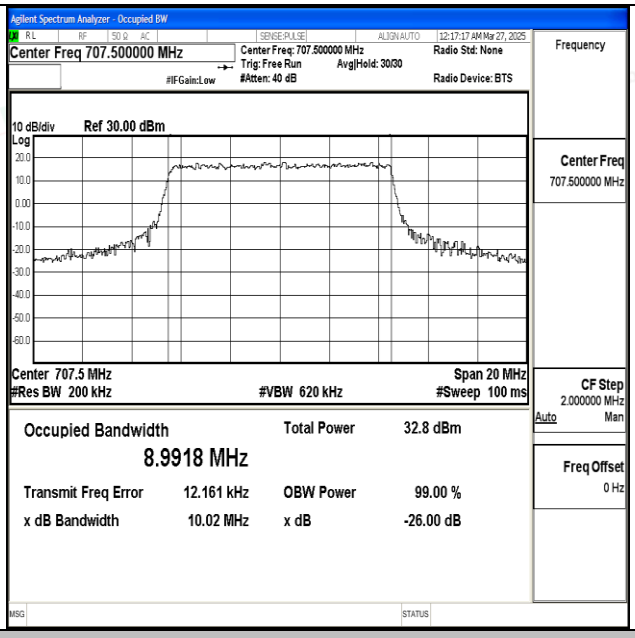
Band12-5MHz-16QAM-23155-25RB#0-PASS



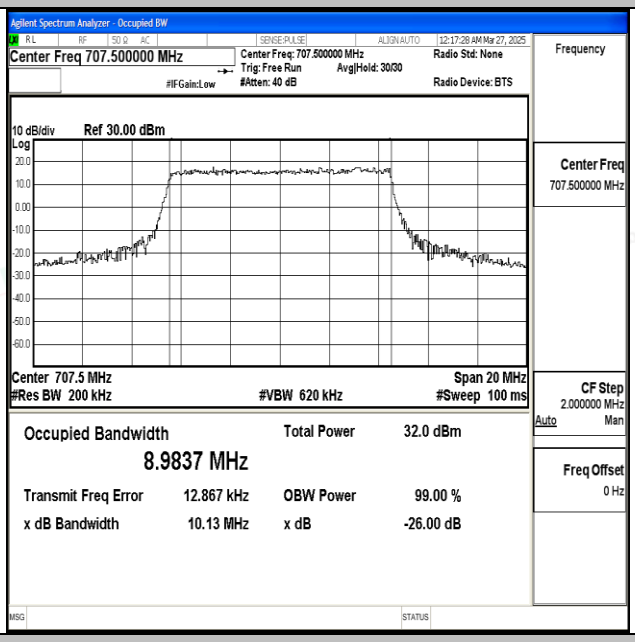
Band12-10MHz-QPSK-23060-50RB#0-PASS



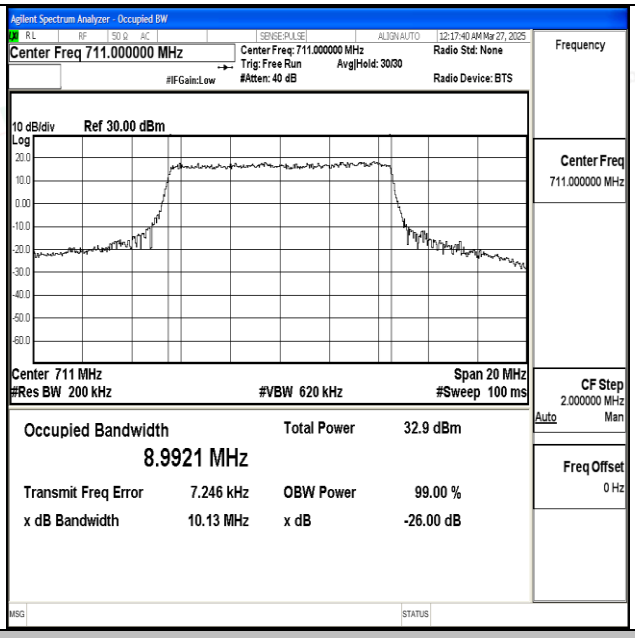
Band12-10MHz-16QAM-23060-50RB#0-PASS



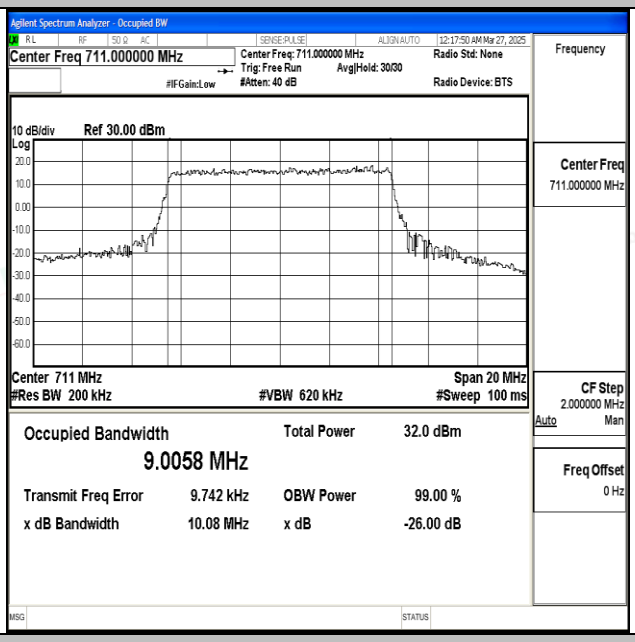
Band12-10MHz-QPSK-23095-50RB#0-PASS



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



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



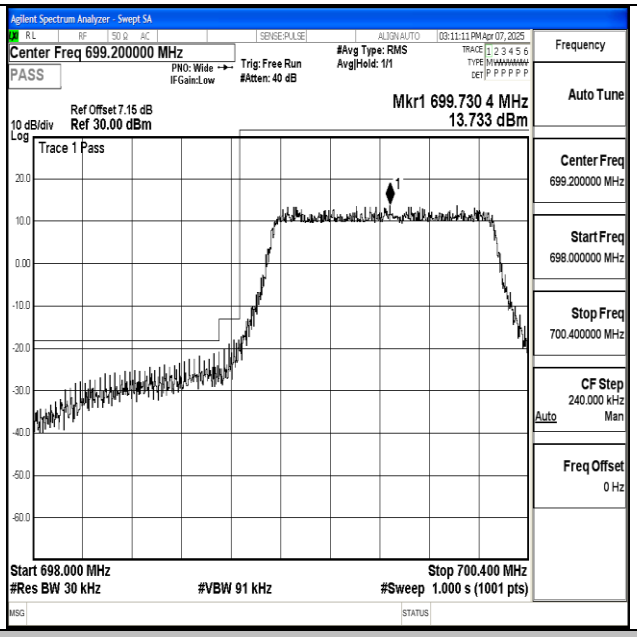
Band12-10MHz-16QAM-23130-50RB#0-PASS

L.4 Band Edge

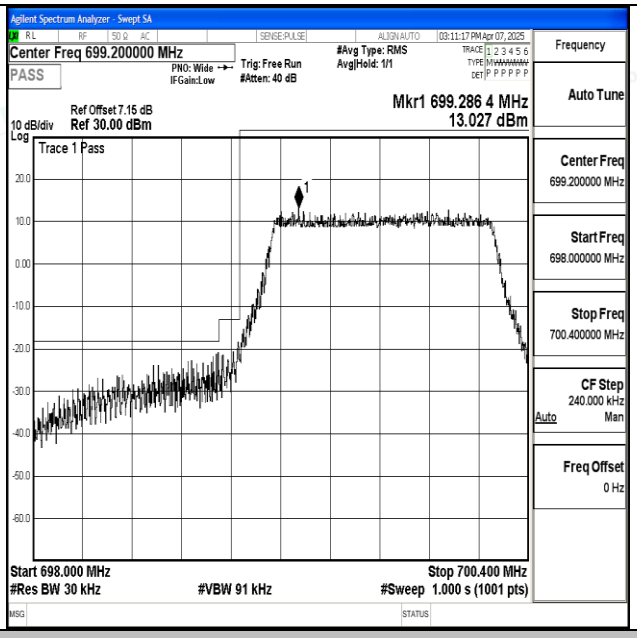
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.88	-21.21	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.90	-20.95	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.09	-13.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	698.90	-21.91	PASS
Band12	3MHz	16QAM	23025	15RB#0	698.89	-23.33	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.17	-20.51	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.14	-22.03	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.18	-22.91	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.88	-23.15	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.88	-24.17	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.73	-26.69	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.34	-24.18	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.76	-18.76	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.84	-21.59	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.12	-24.95	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.18	-25.38	PASS

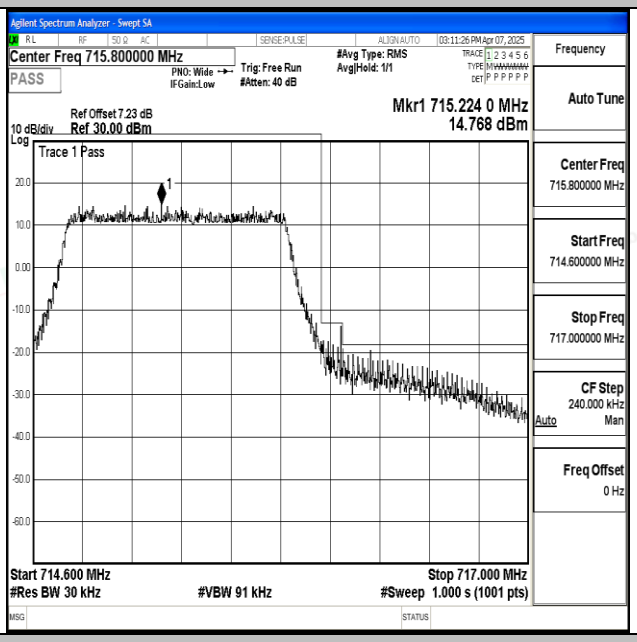
Test Graphs



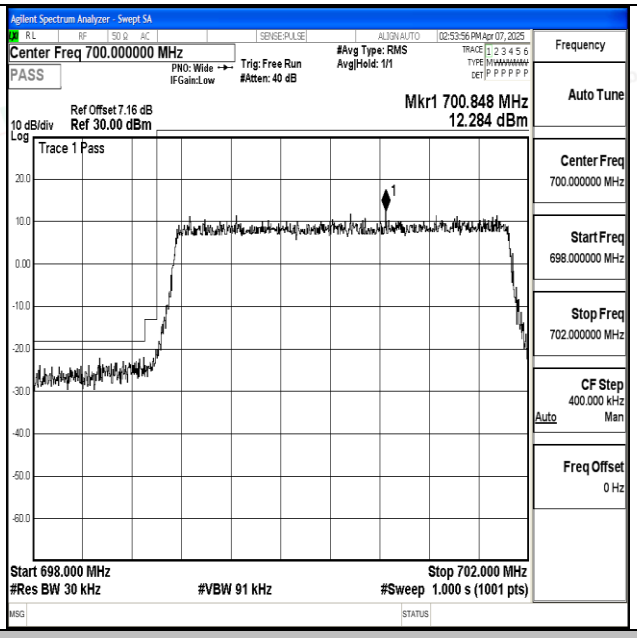
Band12_1.4MHz_QPSK_23017_6RB#0



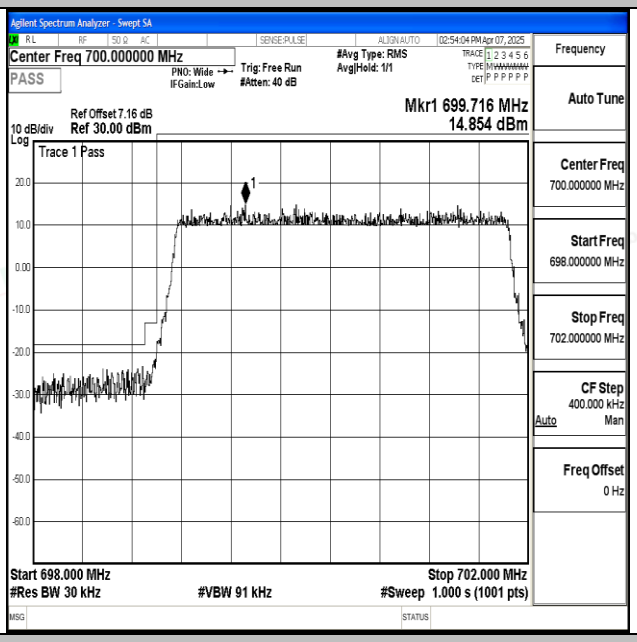
Band12_1.4MHz_16QAM_23017_6RB#0



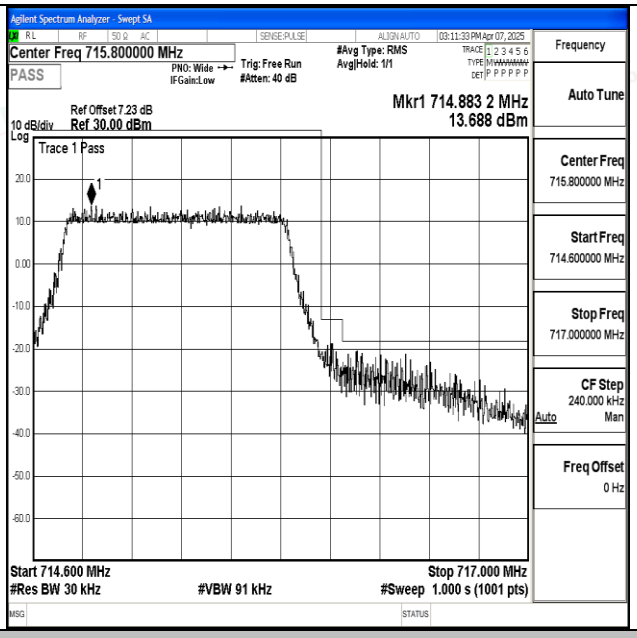
Band12_1.4MHz_QPSK_23173_6RB#0



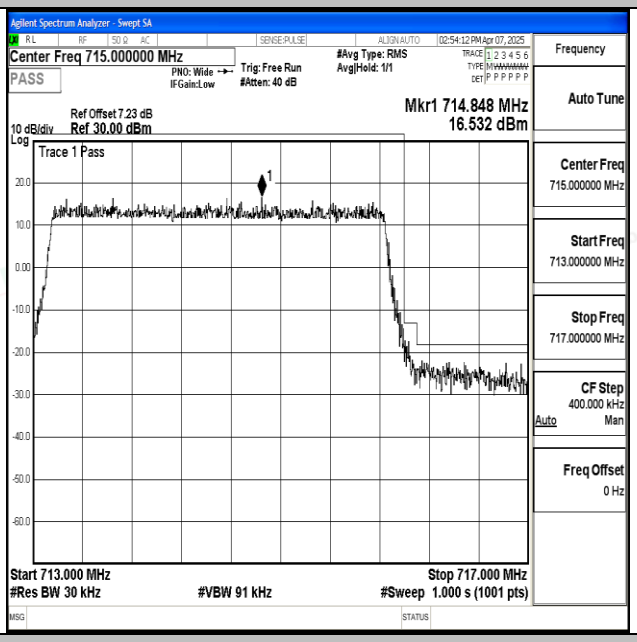
Band12_3MHz_QPSK_23025_15RB#0



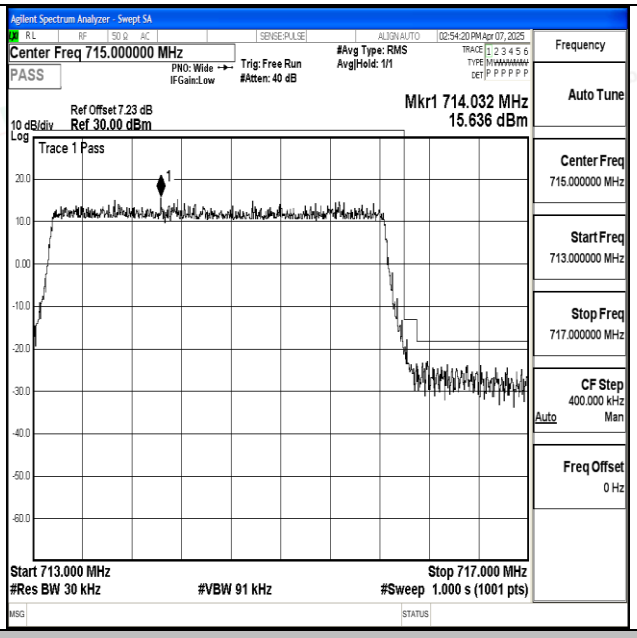
Band12_3MHz_16QAM_23025_15RB#0



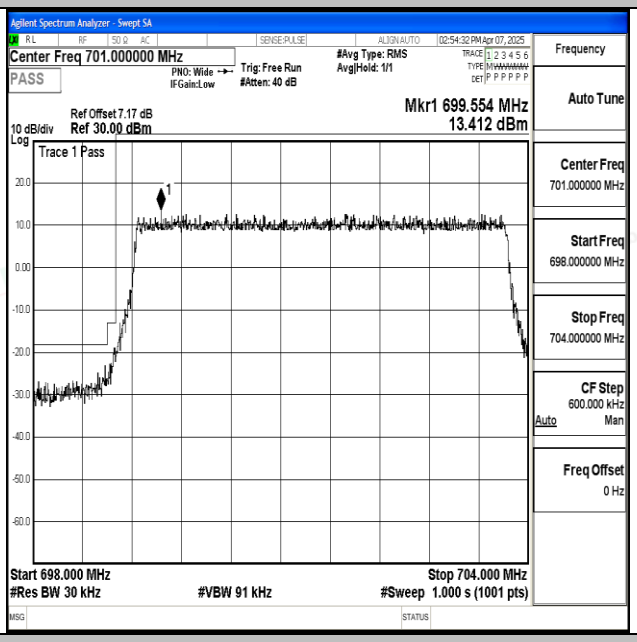
Band12_1.4MHz_16QAM_23173_6RB#0



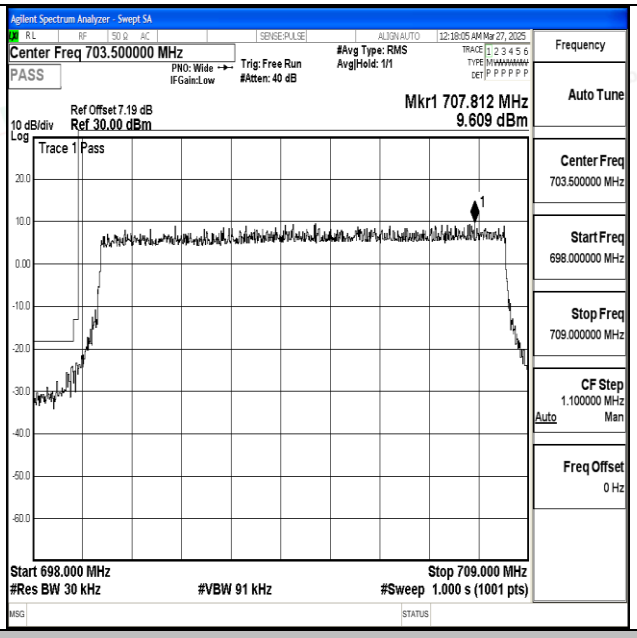
Band12_3MHz_QPSK_23165_15RB#0



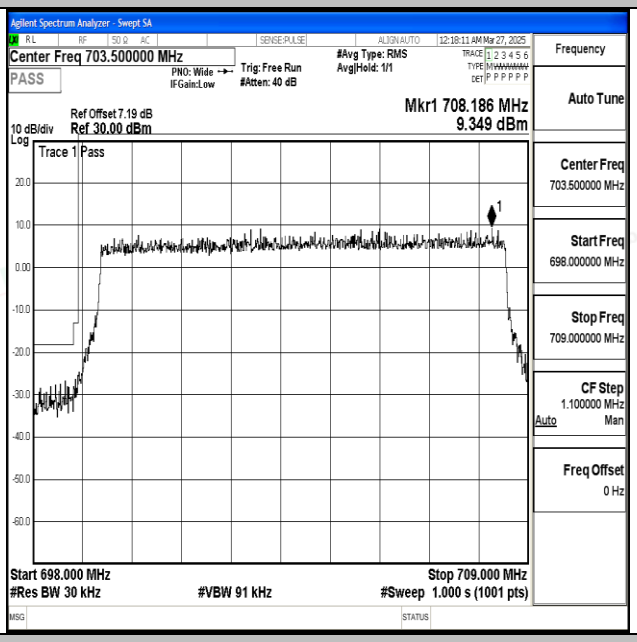
Band12_3MHz_16QAM_23165_15RB#0



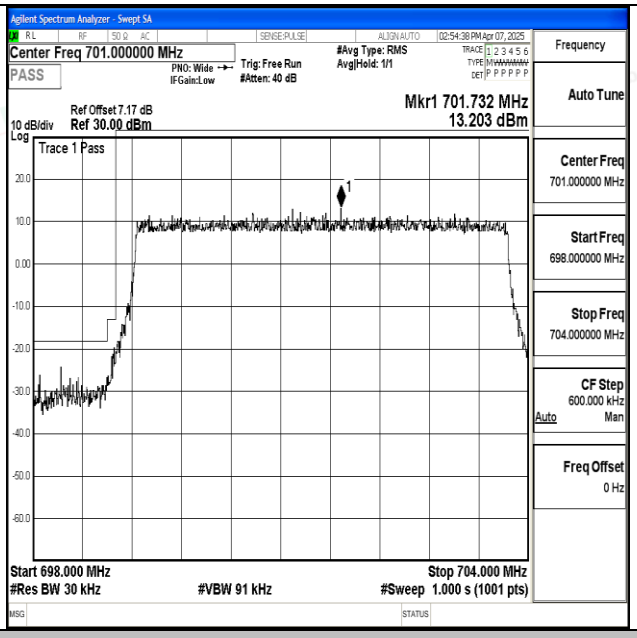
Band12_5MHz_QPSK_23035_25RB#0



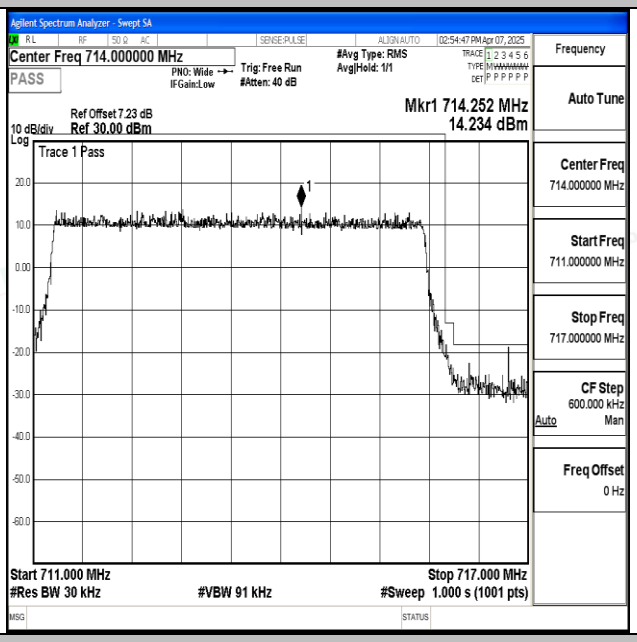
Band12_10MHz_QPSK_23060_50RB#0



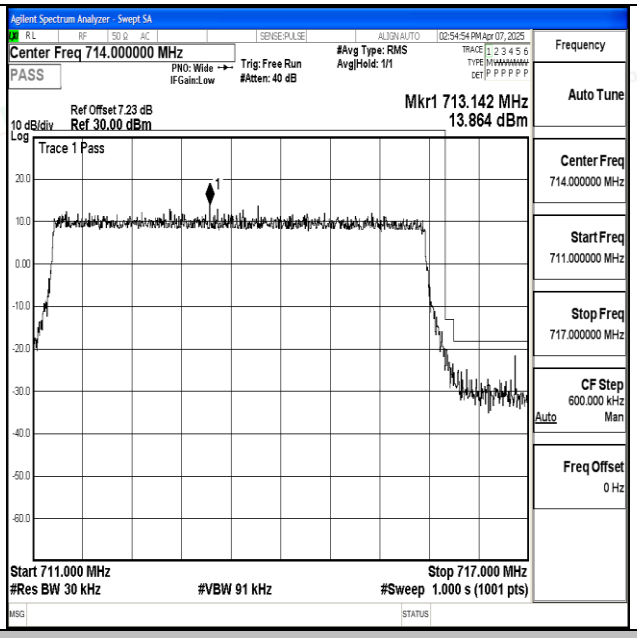
Band12_10MHz_16QAM_23060_50RB#0



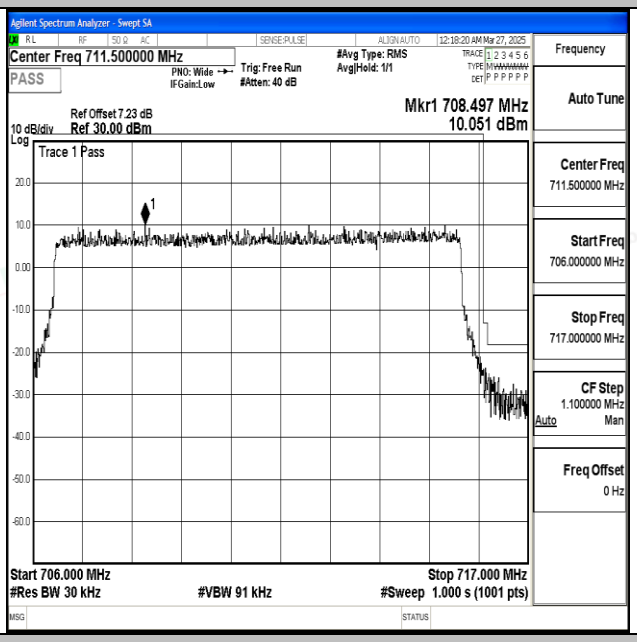
Band12_5MHz_16QAM_23035_25RB#0



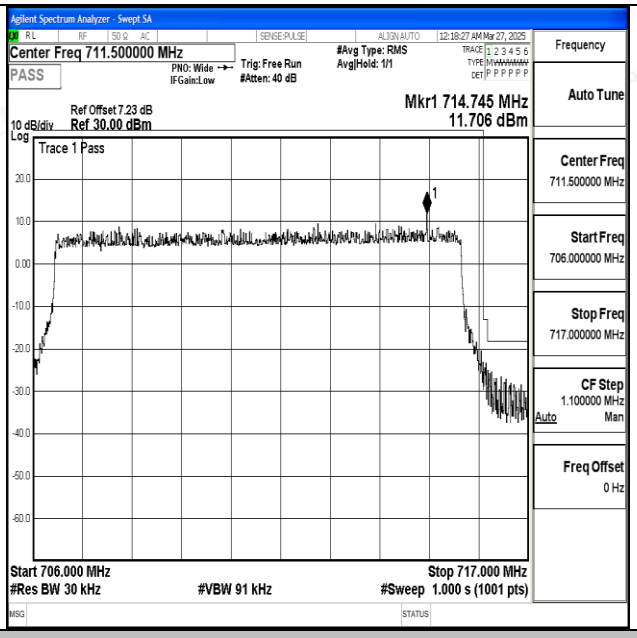
Band12_5MHz_QPSK_23155_25RB#0



Band12_5MHz_16QAM_23155_25RB#0



Band12_10MHz_QPSK_23130_50RB#0



Band12_10MHz_16QAM_23130_50RB#0

L.5 Conducted Spurious Emission

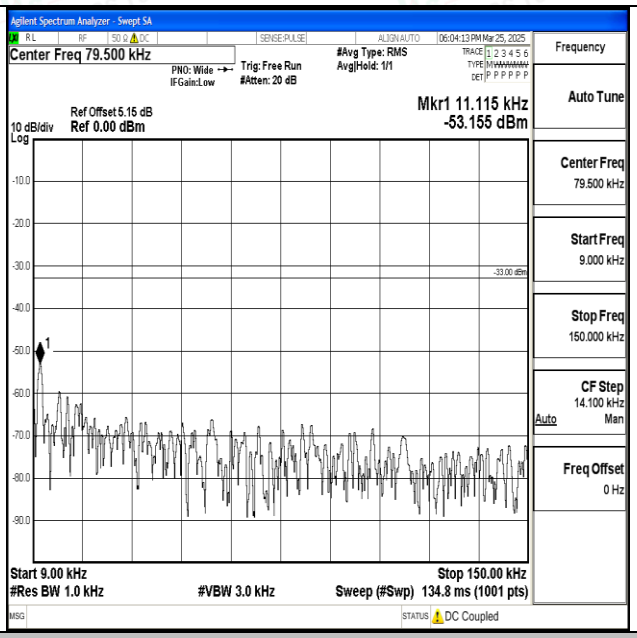
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	0.009~0.15	-53.16	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-44.09	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-24.87	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-36.94	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-35.28	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-55.71	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-48.26	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-23.22	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-34.11	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-35.55	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-56.51	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-46.27	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-25.00	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-36.51	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-35.99	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-58.08	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-44.48	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-25.93	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-35.16	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-35.22	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-58.31	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-46.91	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-26.21	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-34.32	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-35.33	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-55.15	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-44.34	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-26.61	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-35.30	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-35.36	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-58.76	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-44.20	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-27.93	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-35.21	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-35.37	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-54.61	PASS

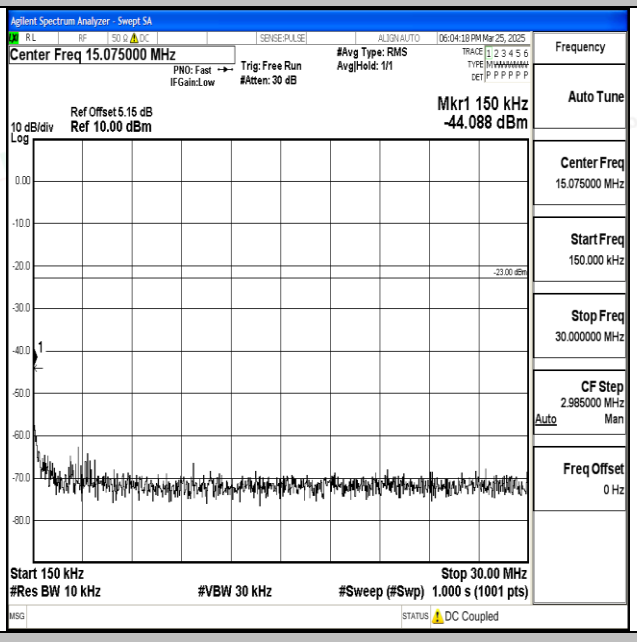
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-47.30	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-30.23	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-35.79	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-35.47	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-58.35	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-46.45	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-29.07	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-34.54	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-35.02	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-57.15	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-47.45	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-28.81	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-36.02	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-35.36	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-59.27	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-46.58	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-30.39	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-35.04	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-34.74	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-54.78	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-46.05	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-30.61	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-35.51	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-34.70	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-57.04	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-46.69	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-37.54	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-36.12	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-35.58	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-56.16	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-46.21	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-40.40	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-36.97	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-35.35	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-57.95	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-46.58	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-43.69	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-34.69	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-35.29	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-58.58	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-47.44	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-43.10	PASS

Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-36.61	PASS
Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-34.94	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-58.99	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-45.42	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-41.52	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-34.66	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-34.79	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-54.59	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-45.38	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-50.46	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-35.49	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-35.33	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-57.56	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-48.27	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-53.04	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-37.00	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-35.76	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-59.46	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-48.20	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-52.75	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-37.01	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-34.96	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-59.96	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-43.35	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-52.63	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-36.78	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-34.87	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-57.75	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-48.26	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-52.10	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-35.27	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-35.33	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-56.57	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-46.13	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-52.63	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-34.32	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-34.85	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-55.48	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-44.95	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-53.38	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-35.24	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-35.69	PASS

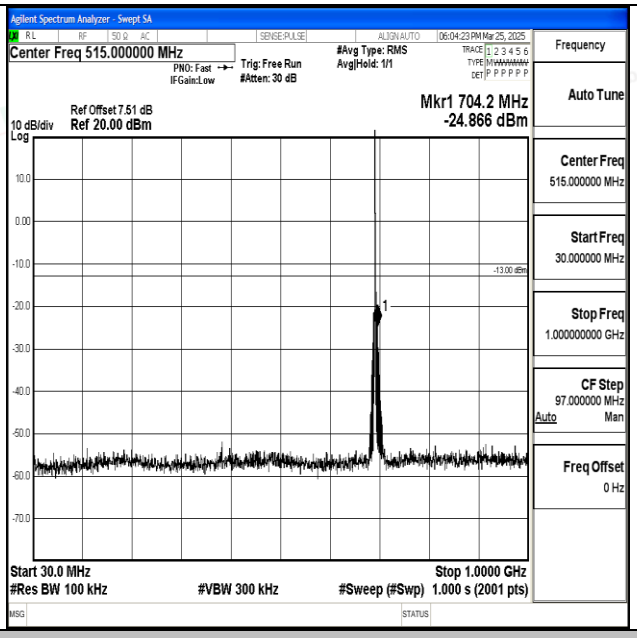
Test Graphs



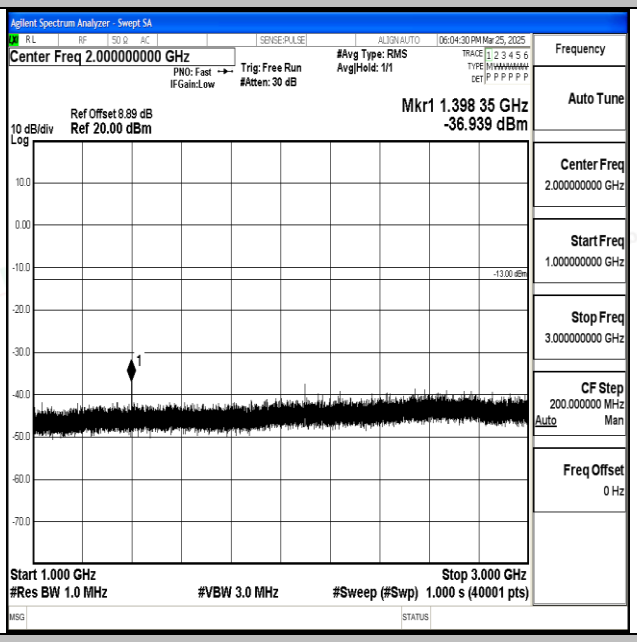
Band12_1.4MHz_QPSK_23017_1RB#0_0.009~0.15_0.009~0.15



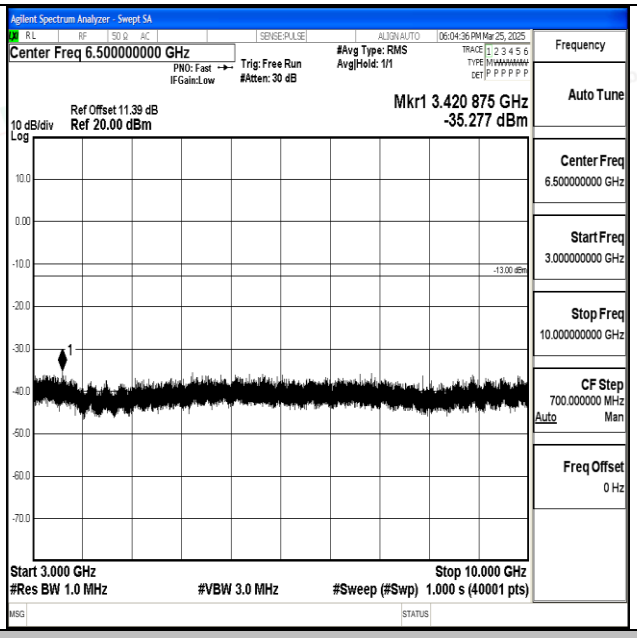
Band12_1.4MHz_QPSK_23017_1RB#0_0.15~30_0.15~30



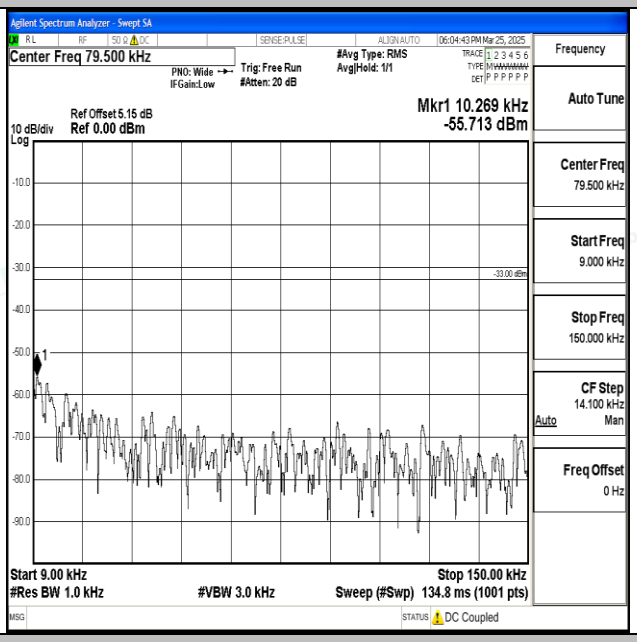
Band12_1.4MHz_QPSK_23017_1RB#0_30~1000_30~1000



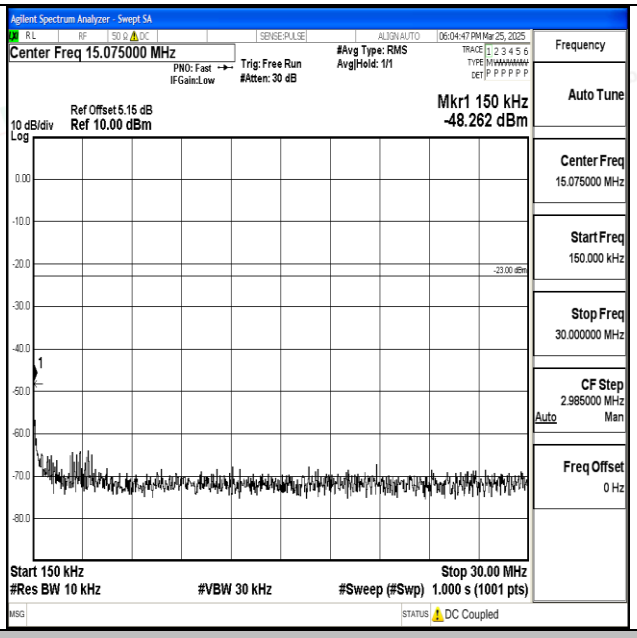
Band12_1.4MHz_QPSK_23017_1RB#0_1000~3000_1000~3000



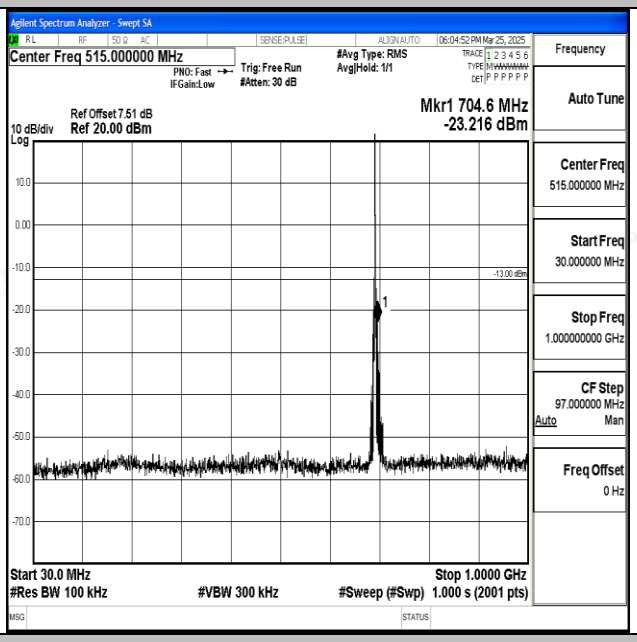
Band12_1.4MHz_QPSK_23017_1RB#0_3000~10000_3000~10000



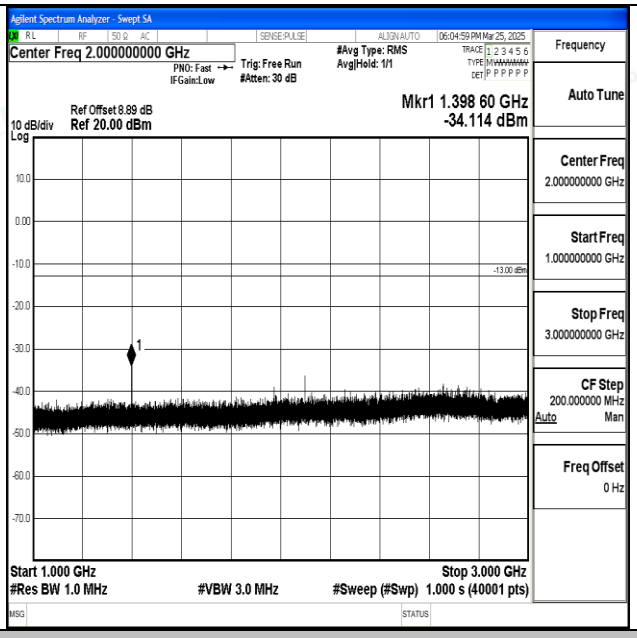
Band12_1.4MHz_16QAM_23017_1RB#0_0.009~0.15_0.009~0.15



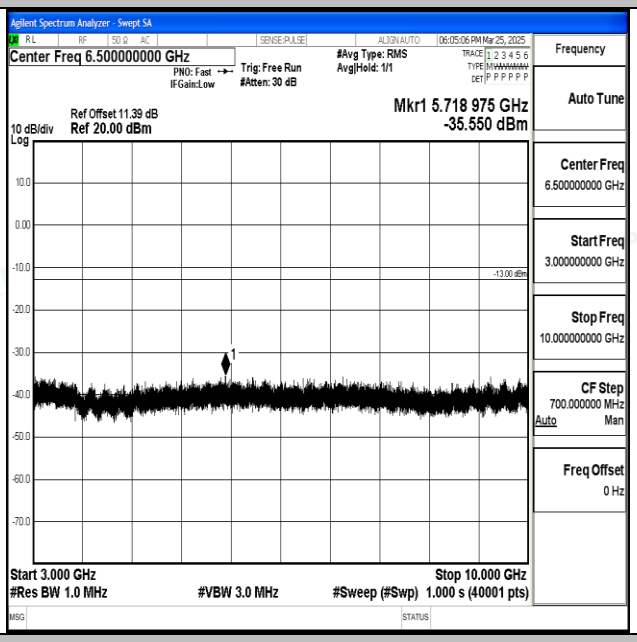
Band12_1.4MHz_16QAM_23017_1RB#0_0.15~30_0.15~30



Band12_1.4MHz_16QAM_23017_1RB#0_30~1000_30~1000



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



Band12_1.4MHz_16QAM_23017_1RB#0_3000~10000_3000~10000