Appendix K: Test Data for E-UTRA Band 12

Product Name: Data Collector

Test Model: R50

Environmental Conditions

Temperature:	23.6°C
Relative Humidity:	52.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng

K.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.37	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.49	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.44	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.45	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.54	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.55	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.54	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.43	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.43	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.43	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.43	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.42	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.42	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	23.56	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.38	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.07	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.34	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.10	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.30	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.53	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.43	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.67	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.43	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.67	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.44	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.00	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.58	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.76	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.34	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.91	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.22	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	21.94	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.13	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.48	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.35	PASS

Band12	1.4MHz	16QAM	23173	3RB#0	22.52	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.36	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.49	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.35	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.60	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.60	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.68	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.48	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.27	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.49	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.30	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.17	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.33	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.52	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.78	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.47	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.79	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.49	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.74	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.50	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.69	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.31	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.18	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.29	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.12	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.23	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.08	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.39	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.76	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.25	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.65	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.33	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.76	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.41	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.47	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.22	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.81	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.16	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.68	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.08	PASS

Band12	3MHz	16QAM	23165	1RB#14	22.64	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.27	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.67	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.28	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.55	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.21	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.64	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.17	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.41	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.42	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.04	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.39	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.98	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.27	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.82	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.54	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.67	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.54	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.67	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.47	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.52	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.43	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.69	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.14	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.64	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.02	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.57	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.04	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.06	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.32	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.46	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.34	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.46	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.27	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.64	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.32	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.51	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.95	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.10	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.01	PASS

Band12	5MHz	16QAM	23155	1RB#12	22.04	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.95	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.02	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.15	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.29	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.22	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.29	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.20	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.49	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.25	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.58	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.35	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.61	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.14	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.18	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.02	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.09	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.37	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.57	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.37	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.49	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.37	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.41	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.36	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.57	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.49	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.46	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.39	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.85	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.07	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.71	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.33	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.62	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.34	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.63	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.24	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.65	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.26	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.60	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.03	PASS

Band12	10MHz	16QAM	23130	1RB#0	23.02	PASS
Band12	10MHz	QPSK	23130	1RB#24	23.00	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.37	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.99	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.37	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.33	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.56	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.27	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.45	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.28	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.48	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.20	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.53	PASS

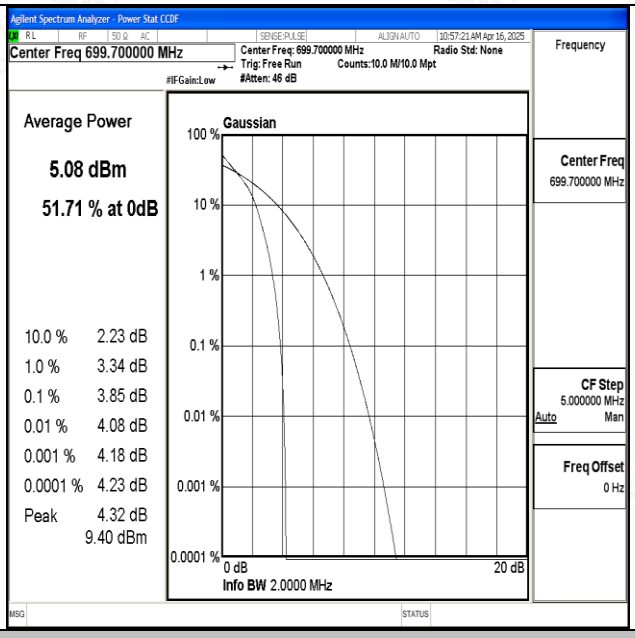
K.2 Peak-to-Average Ratio(CCDF)

Test Result

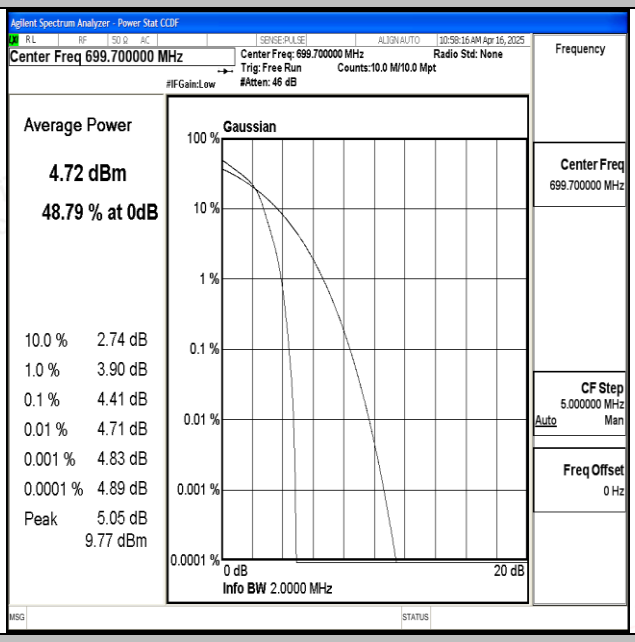
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	3.85	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	4.41	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	4.79	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.49	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.47	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.12	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	6.06	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.82	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3.70	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.31	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.75	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.38	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.41	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.22	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.30	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.01	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.54	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.34	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	6.16	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.98	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	3.74	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	4.58	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.74	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.42	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.01	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	4.91	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.47	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.08	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.69	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	6.43	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	6.06	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.75	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.05	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.74	13	PASS

Band12	5MHz	QPSK	23155	25RB#0	5.23	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.87	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	4.43	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.30	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	6.03	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.72	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.14	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	6.06	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.83	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.61	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.91	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.81	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.10	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.02	13	PASS

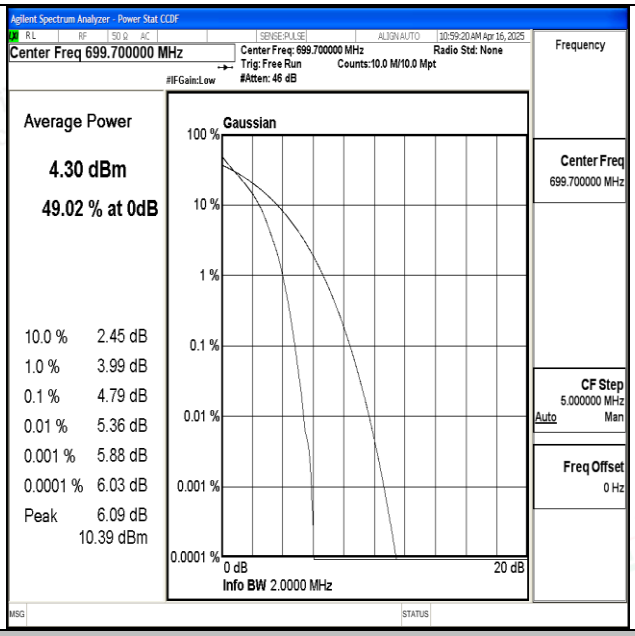
Test Graphs



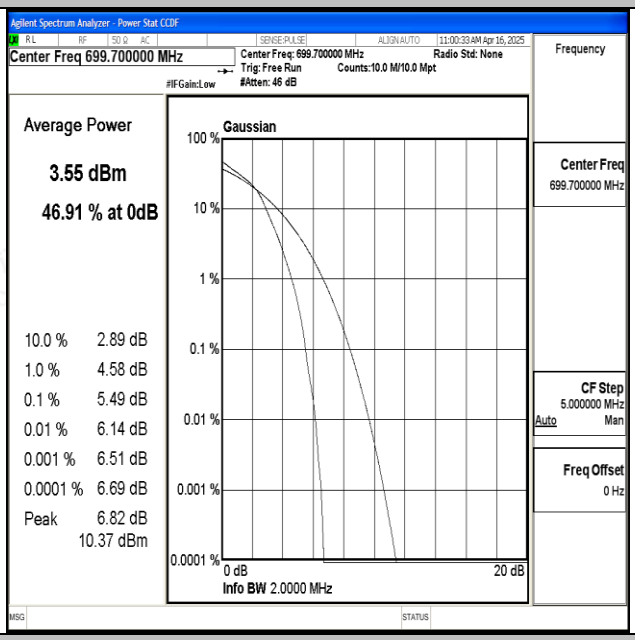
Band12-1.4MHz-QPSK-23017-1RB#0-PASS



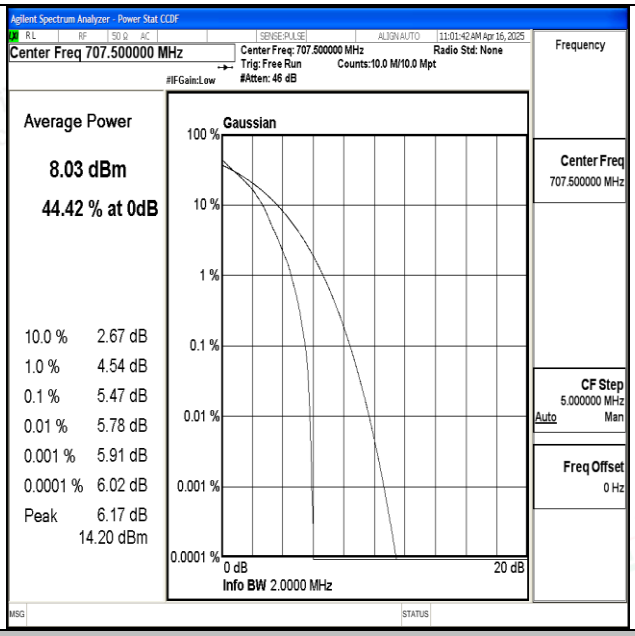
Band12-1.4MHz-16QAM-23017-1RB#0-PASS



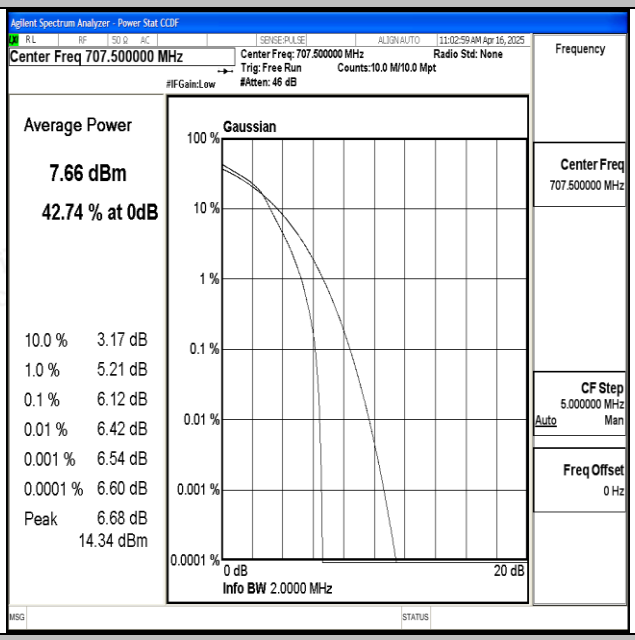
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



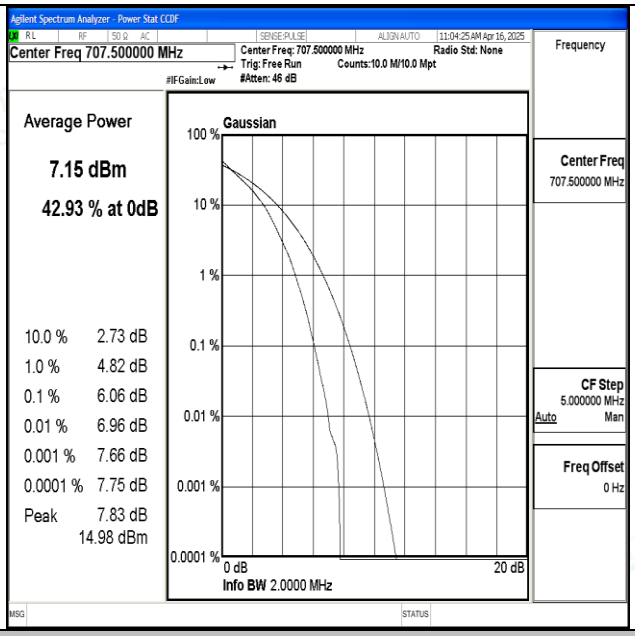
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



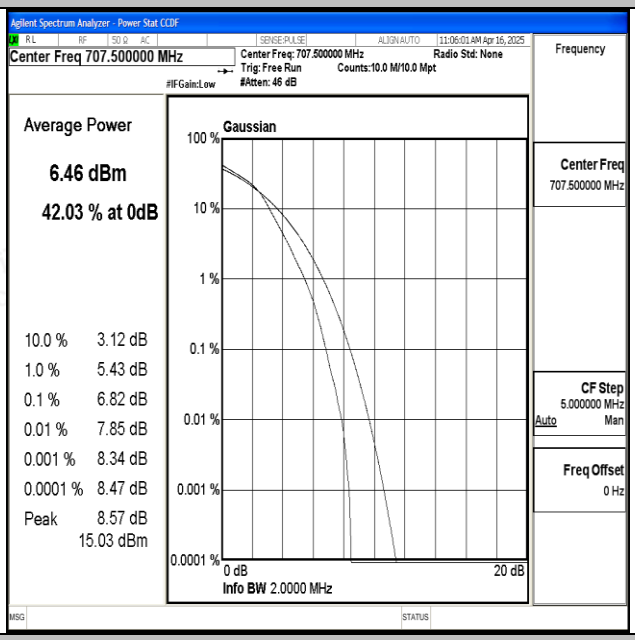
Band12-1.4MHz-QPSK-23095-1RB#0-PASS



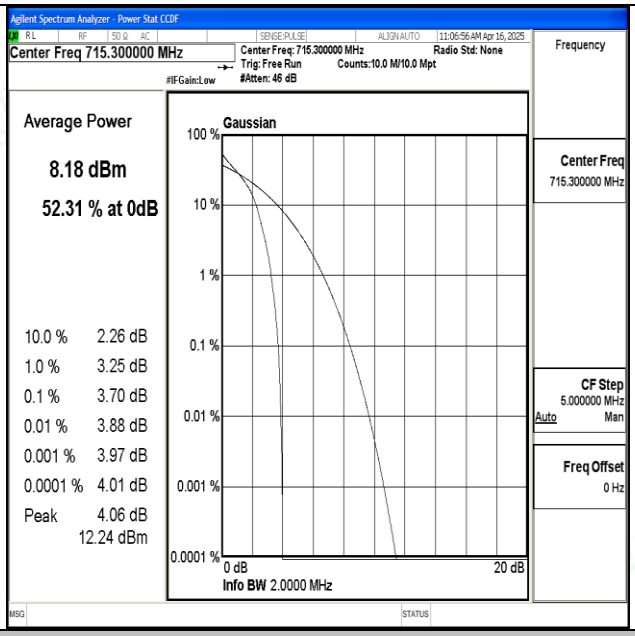
Band12-1.4MHz-16QAM-23095-1RB#0-PASS



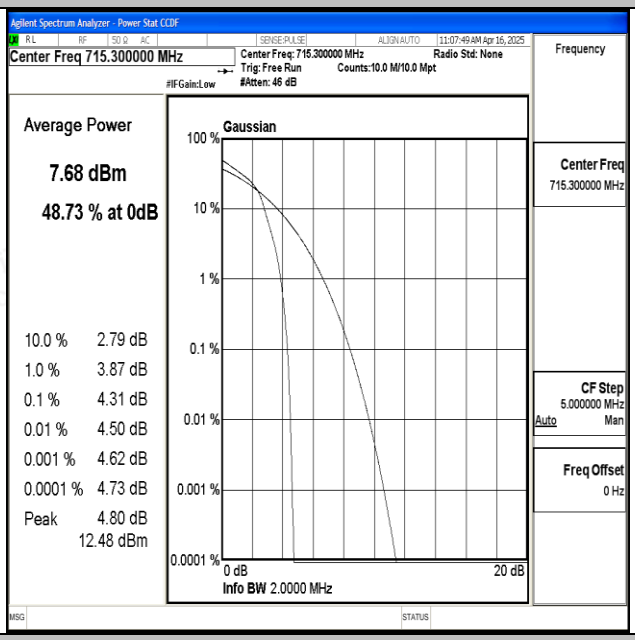
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



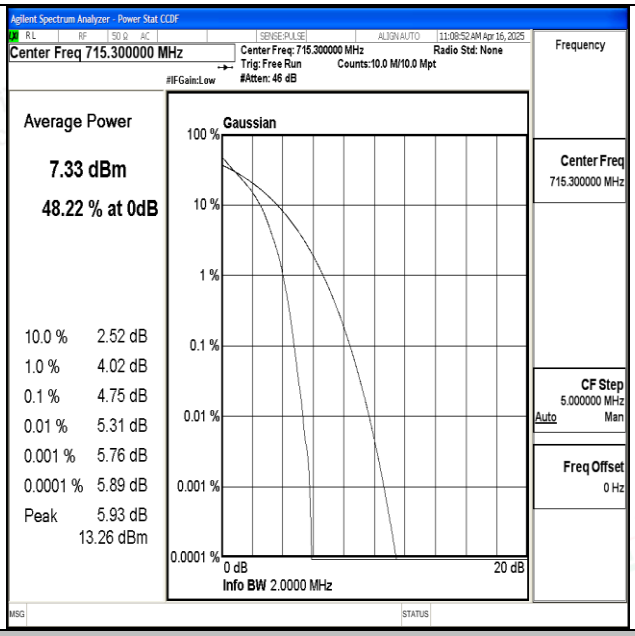
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



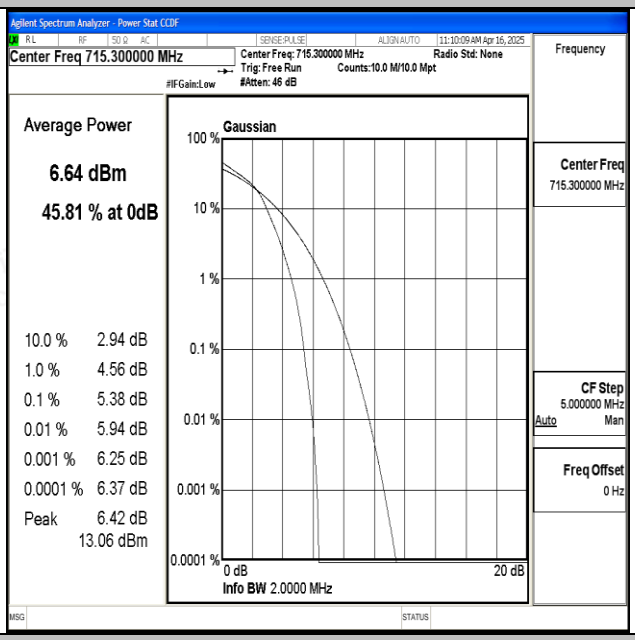
Band12-1.4MHz-QPSK-23173-1RB#0-PASS



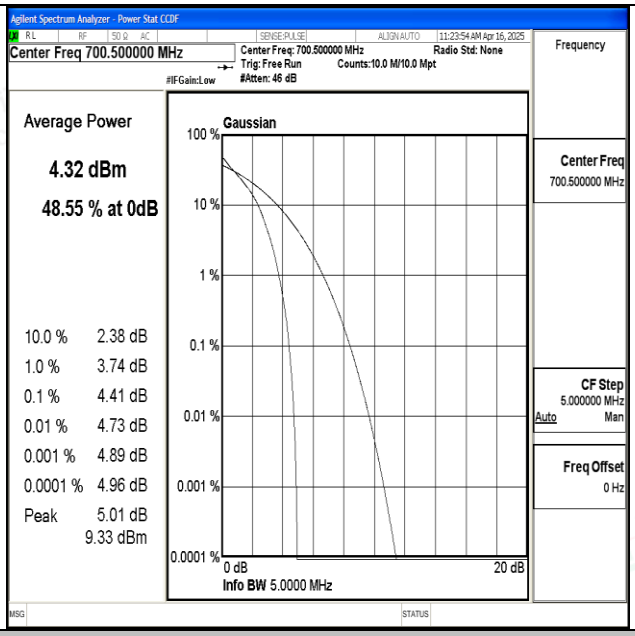
Band12-1.4MHz-16QAM-23173-1RB#0-PASS



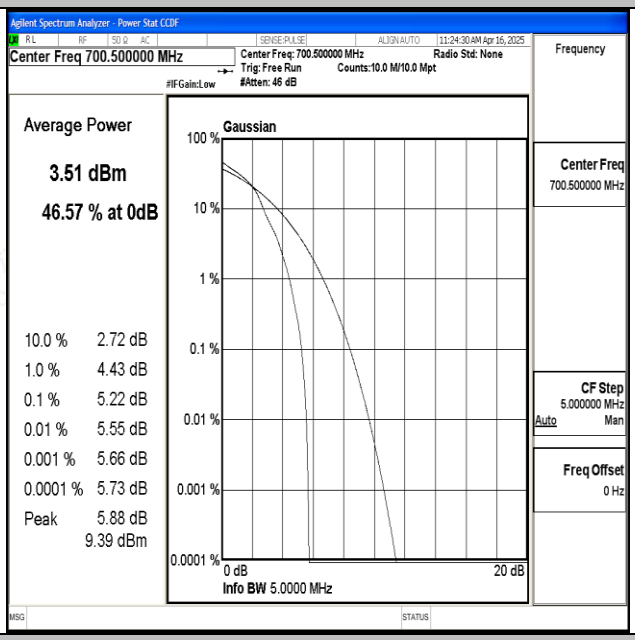
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



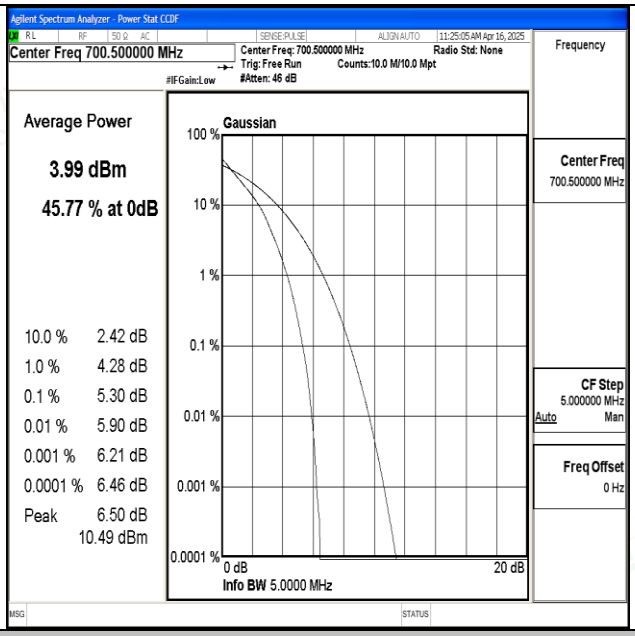
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



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



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



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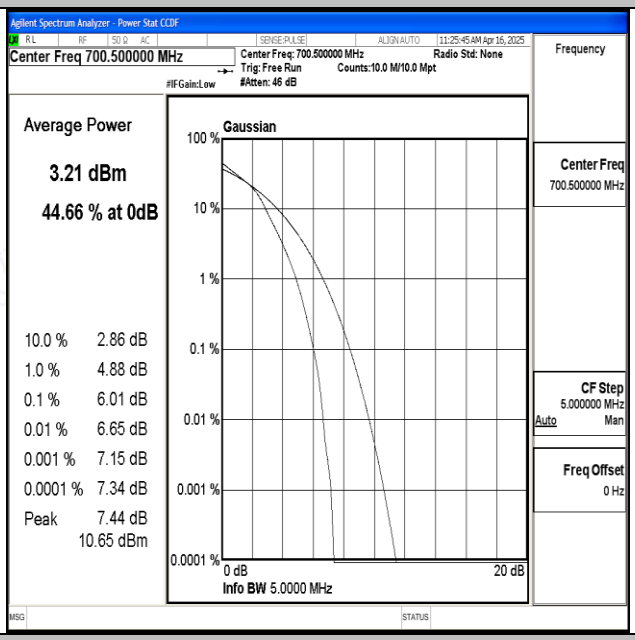
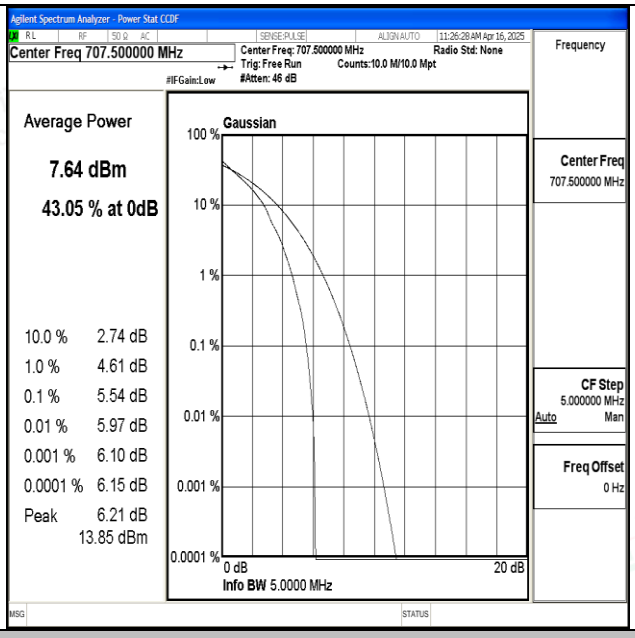
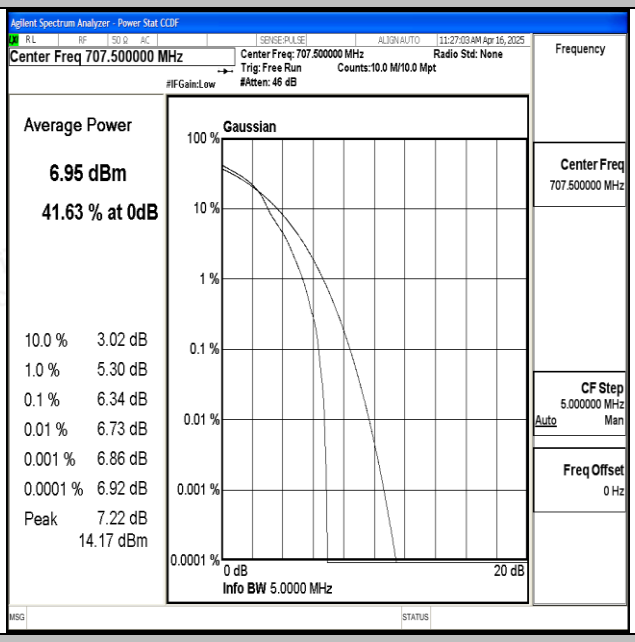


Band12-3MHz-16QAM-23025-15RB#0-PASS



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



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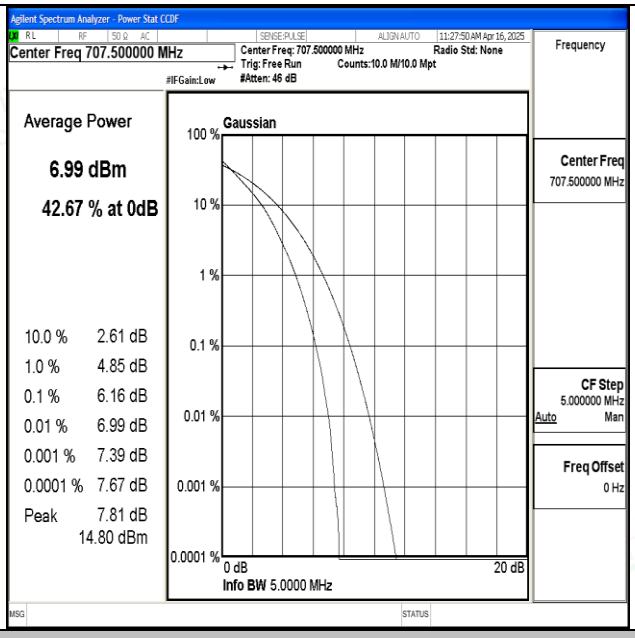

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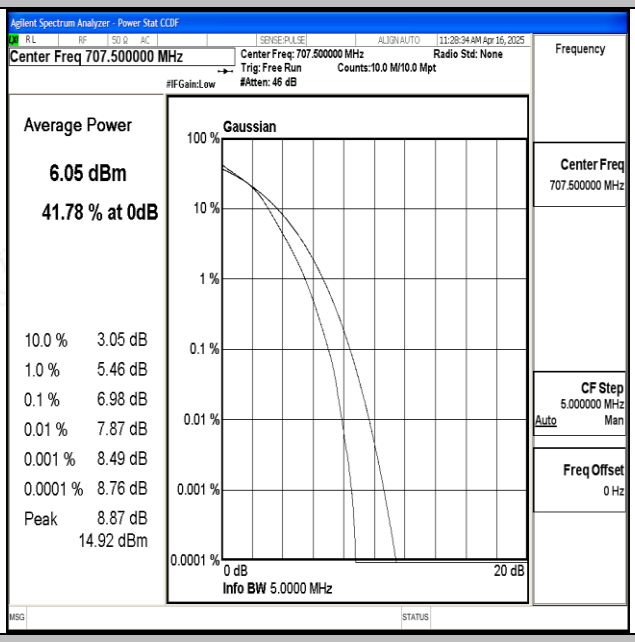
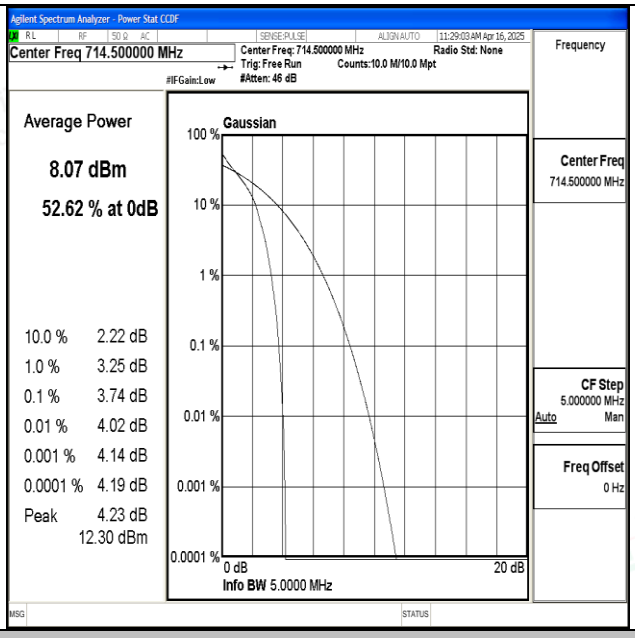
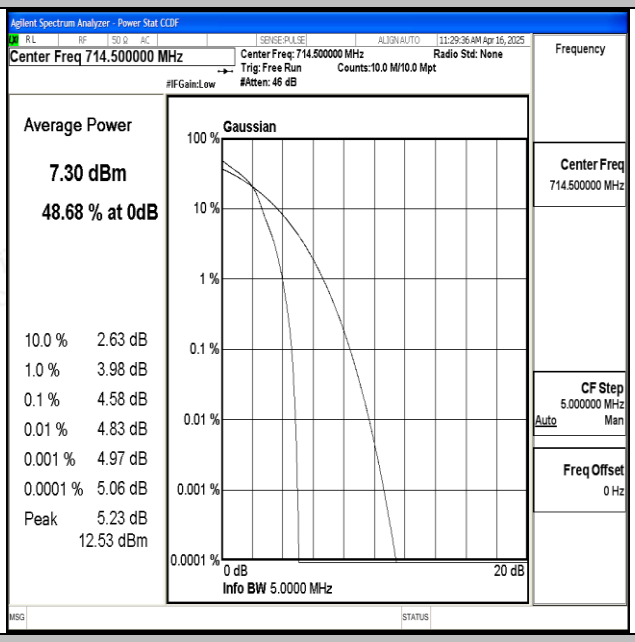


Band12-3MHz-16QAM-23095-15RB#0-PASS



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



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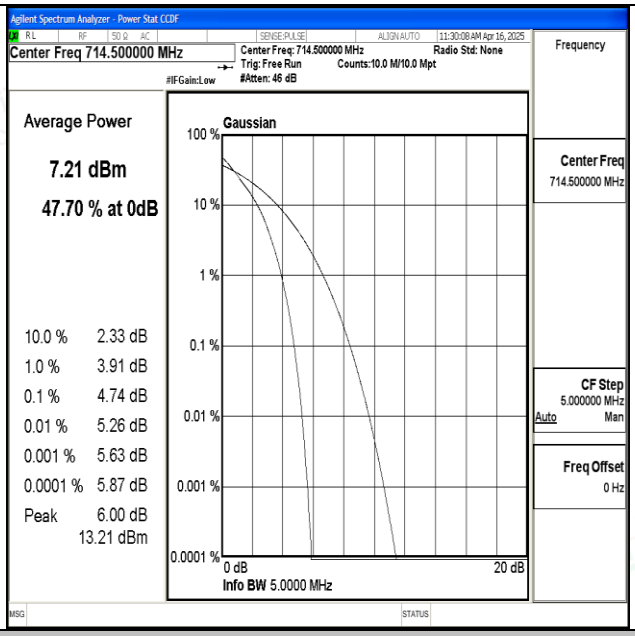

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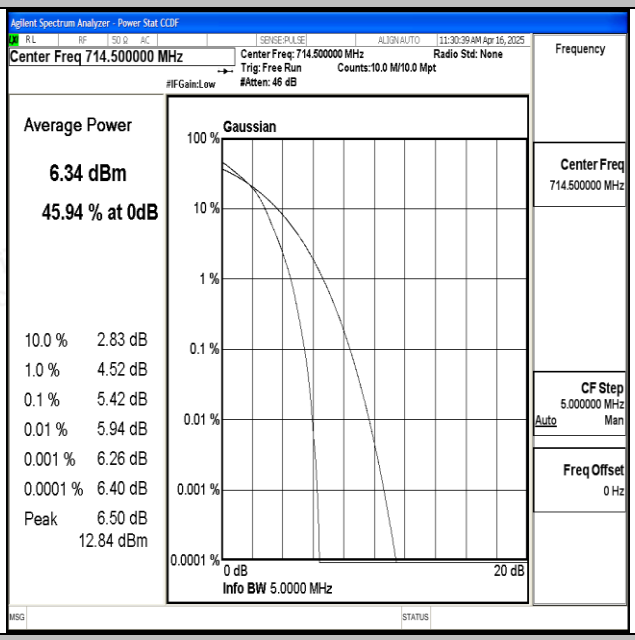

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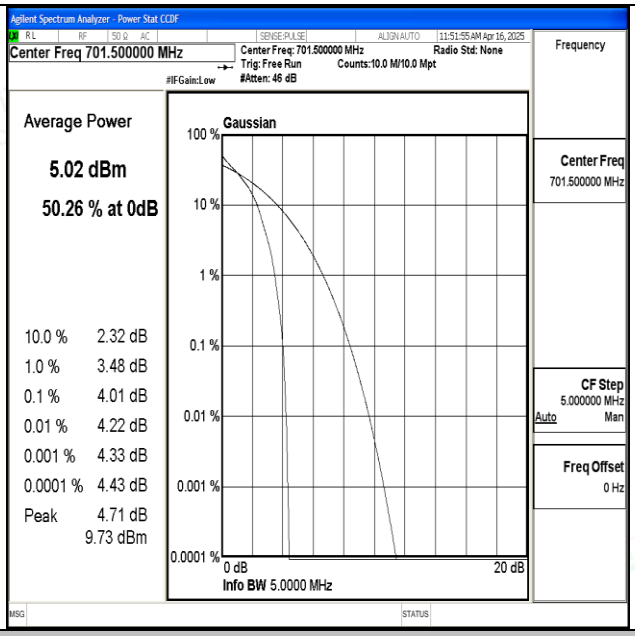

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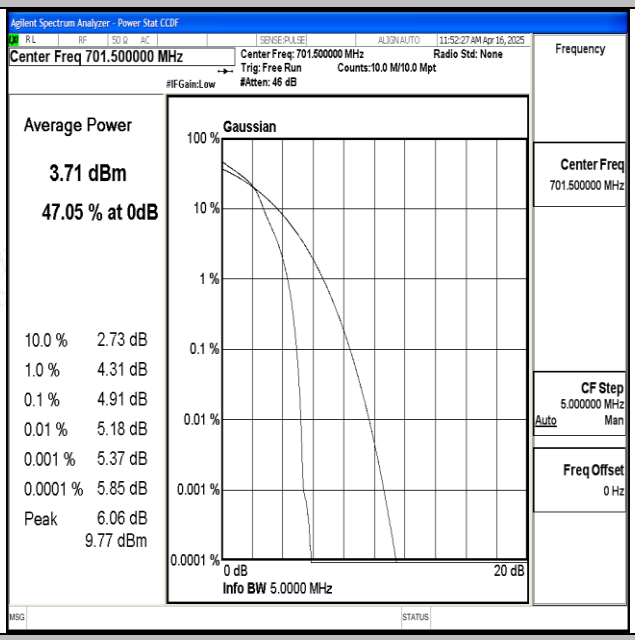

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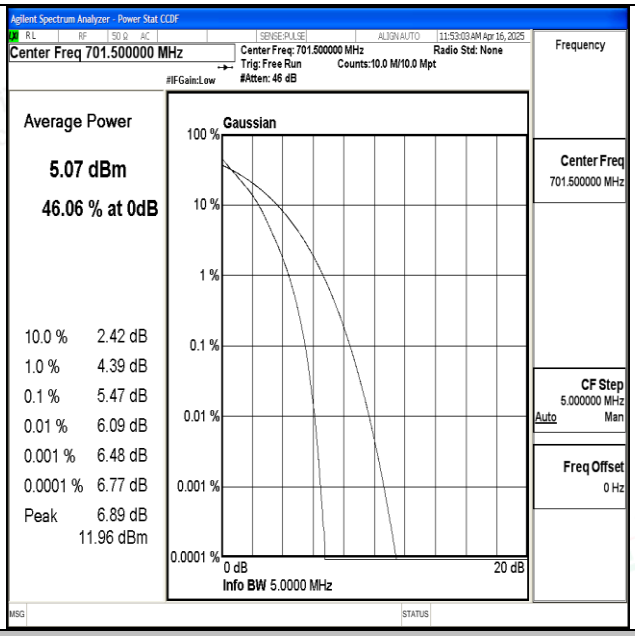

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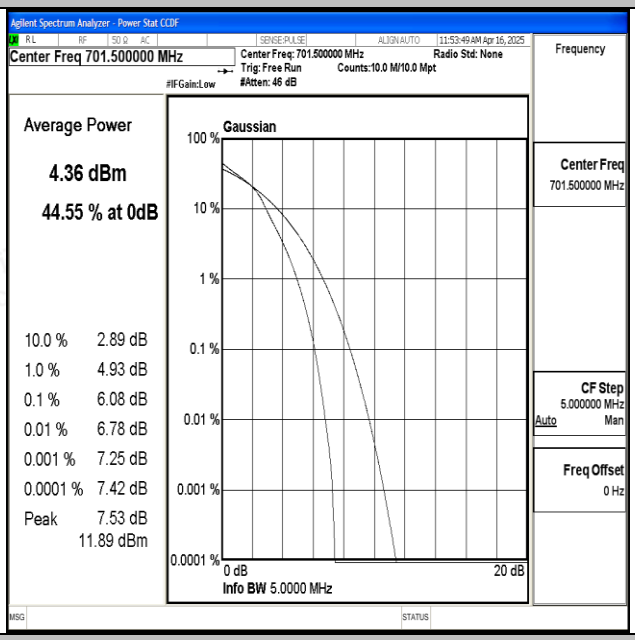
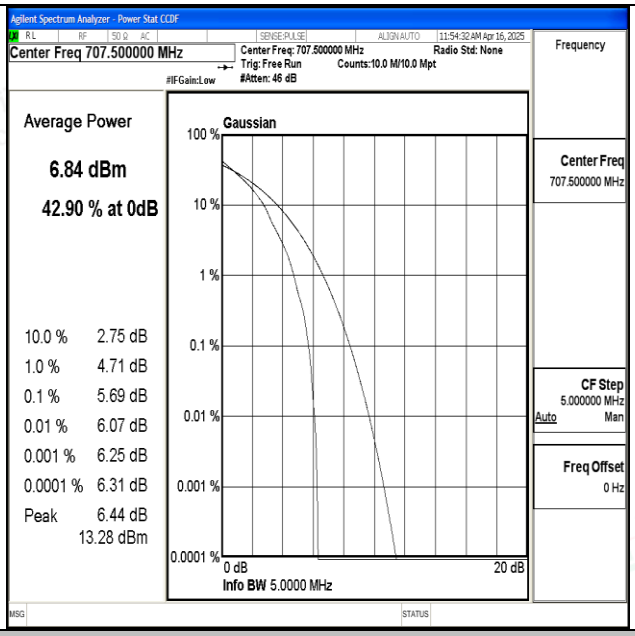


Band12-5MHz-16QAM-23035-25RB#0-PASS



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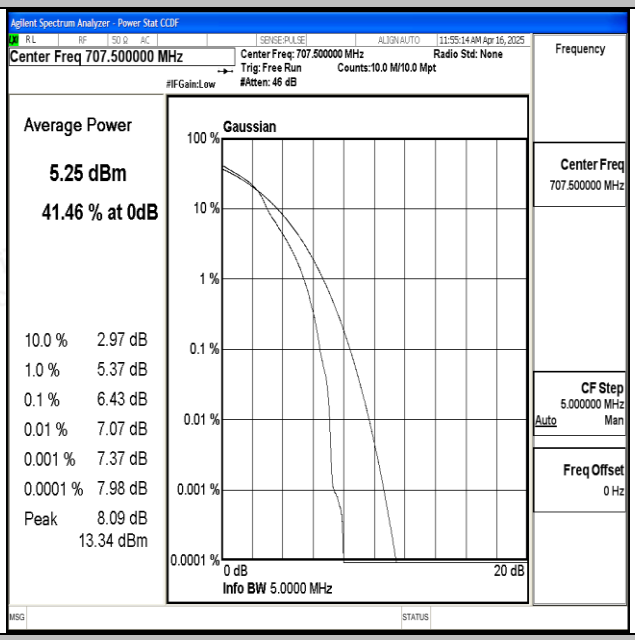

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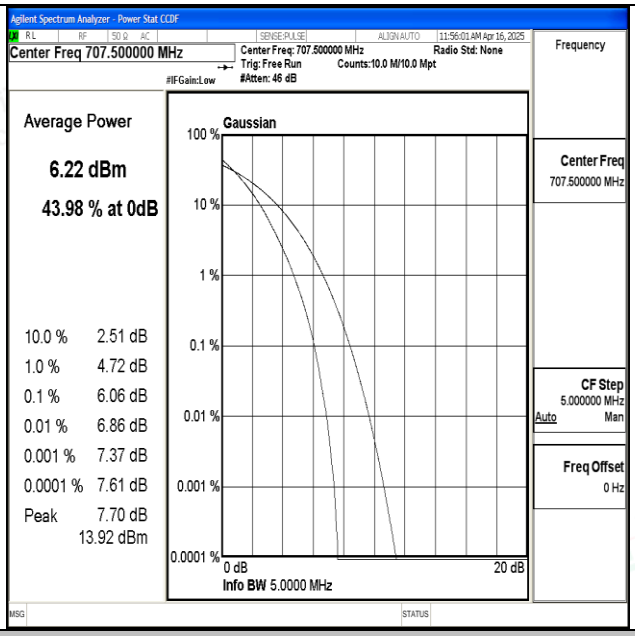

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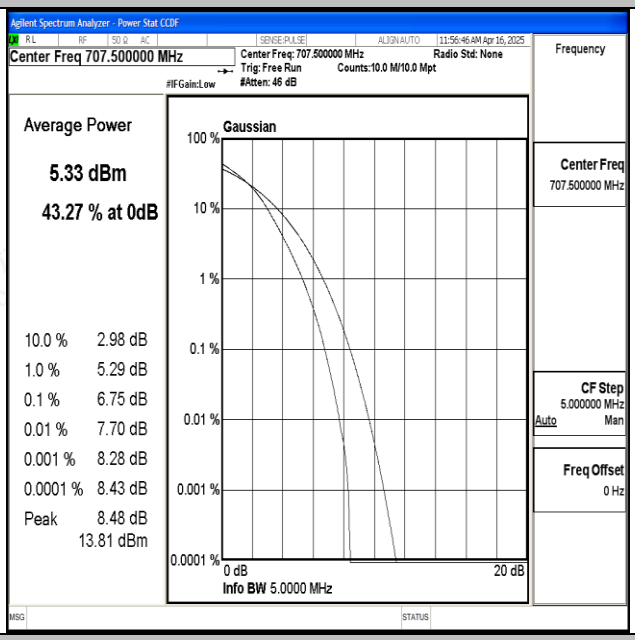

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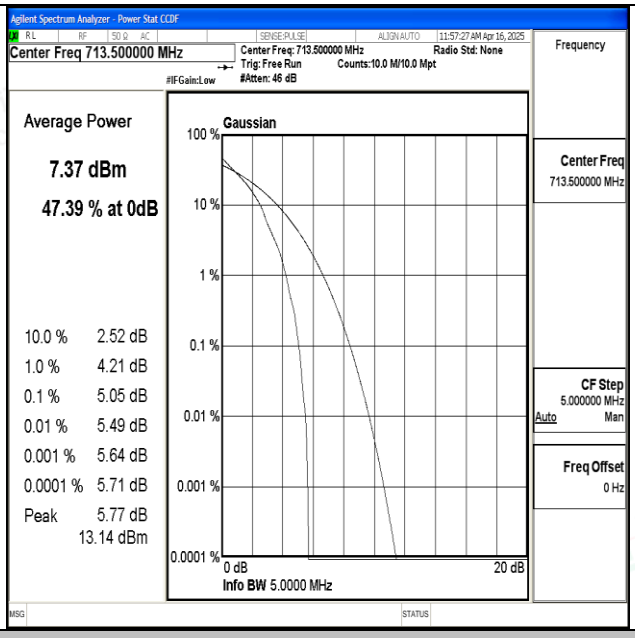
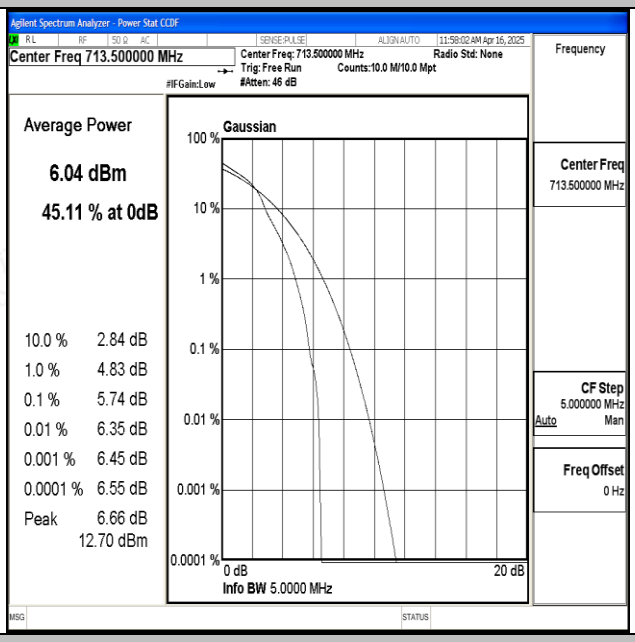
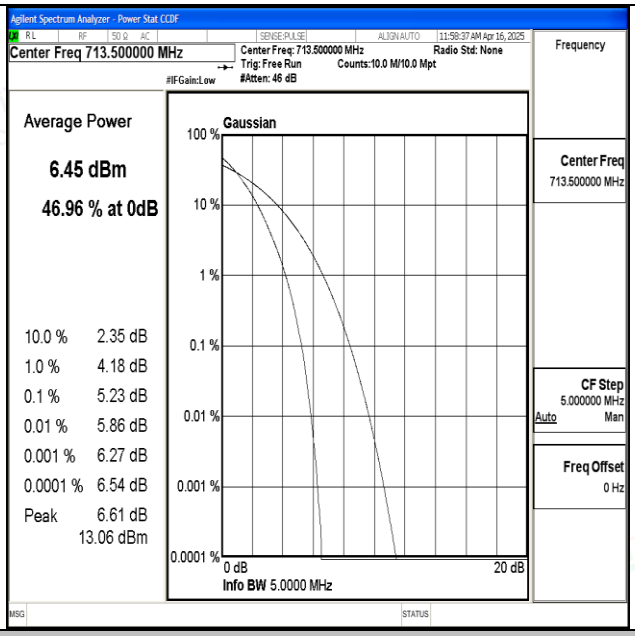


Band12-5MHz-QPSK-23155-1RB#0-PASS



Band12-5MHz-16QAM-23155-1RB#0-PASS



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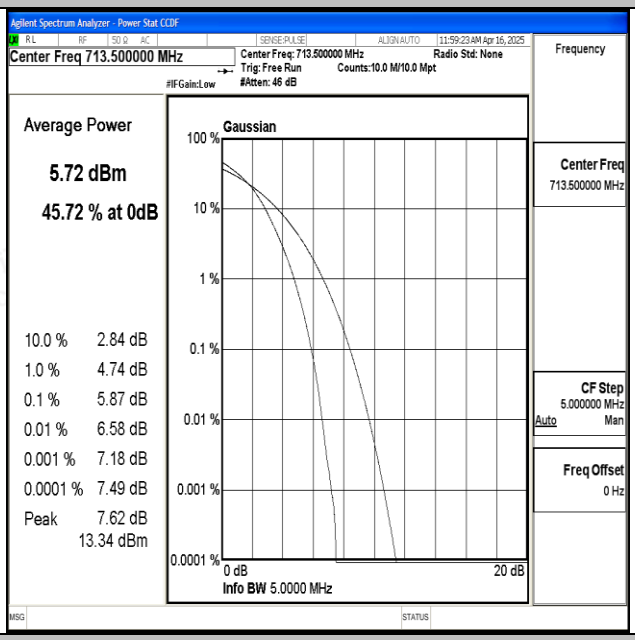

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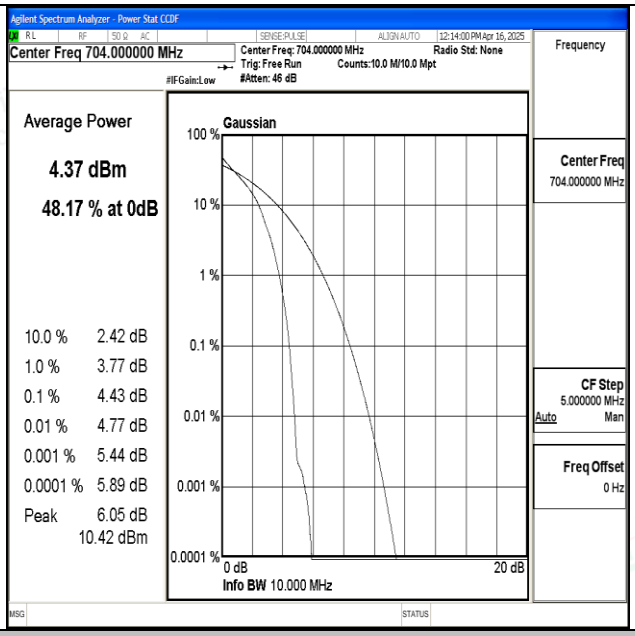

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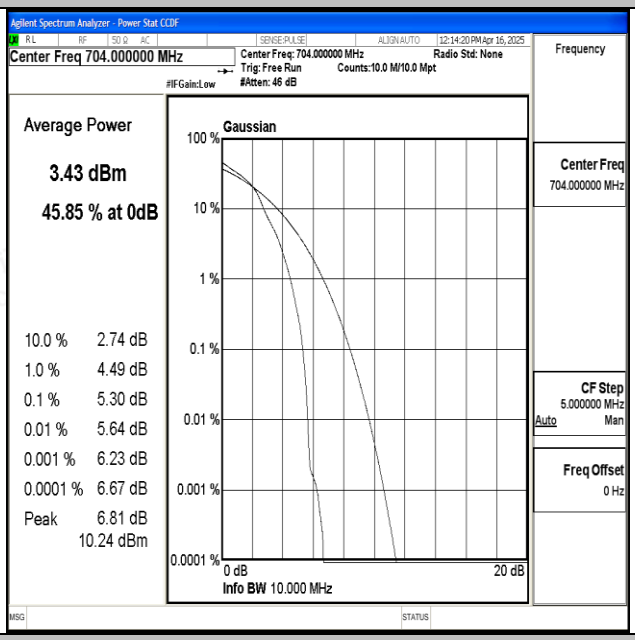

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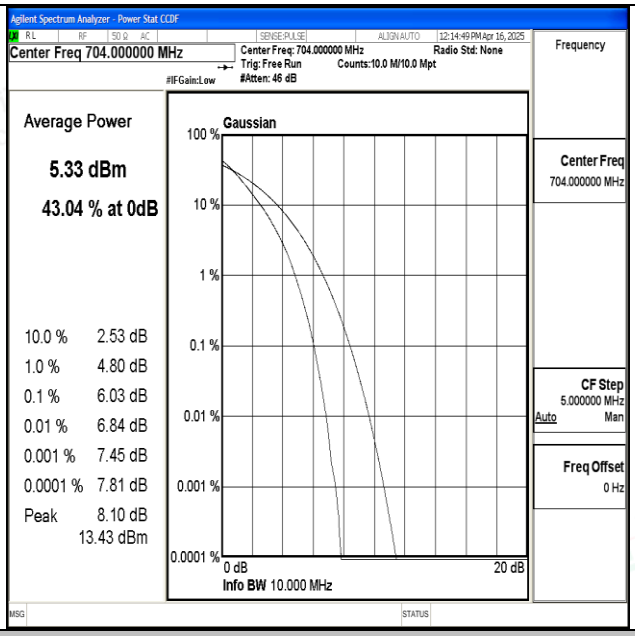

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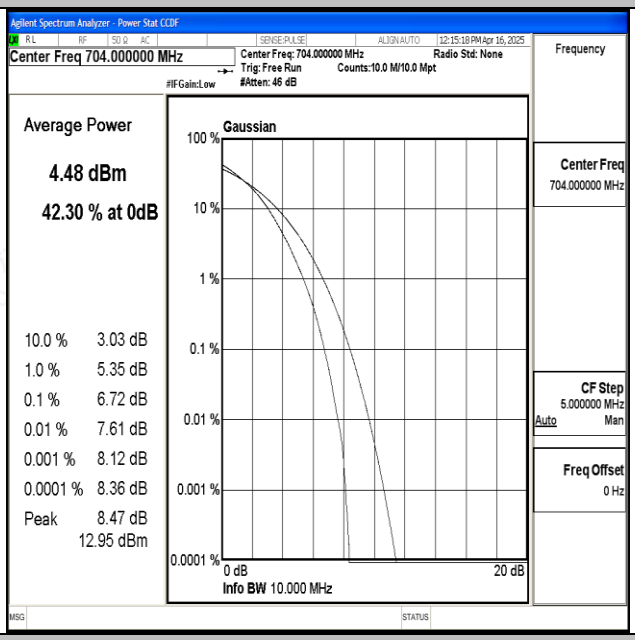

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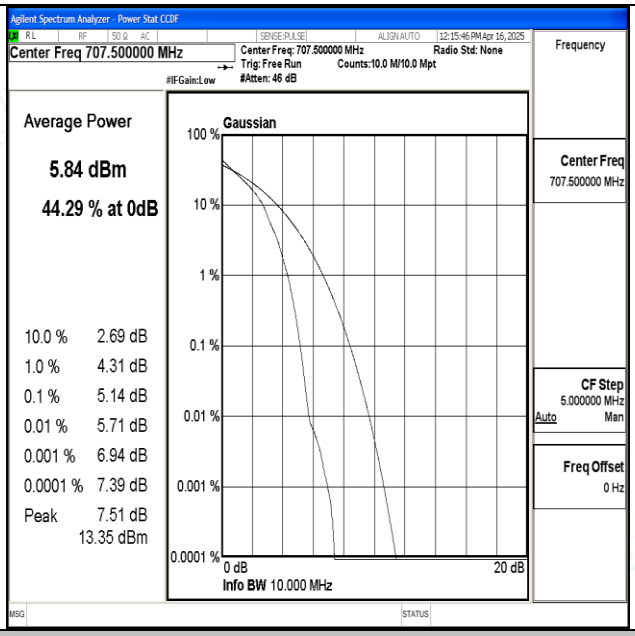
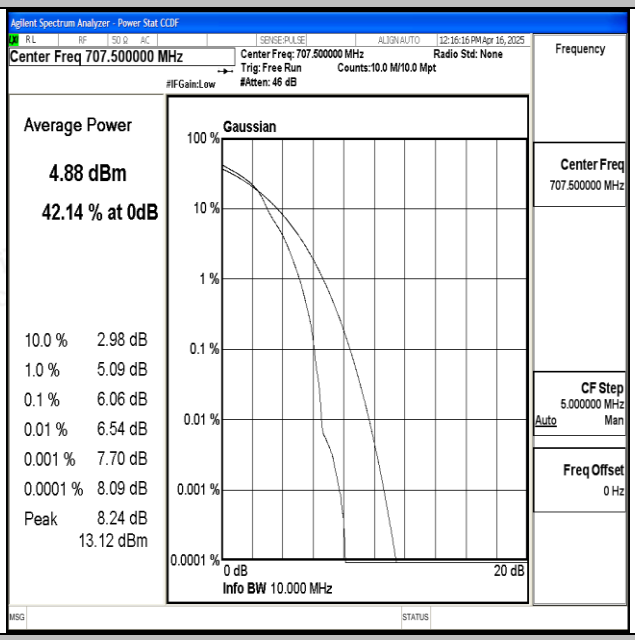


Band12-10MHz-QPSK-23095-1RB#0-PASS



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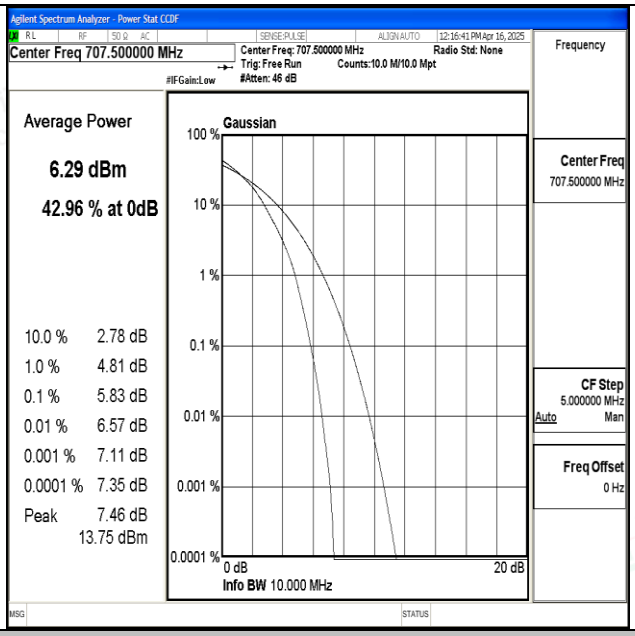

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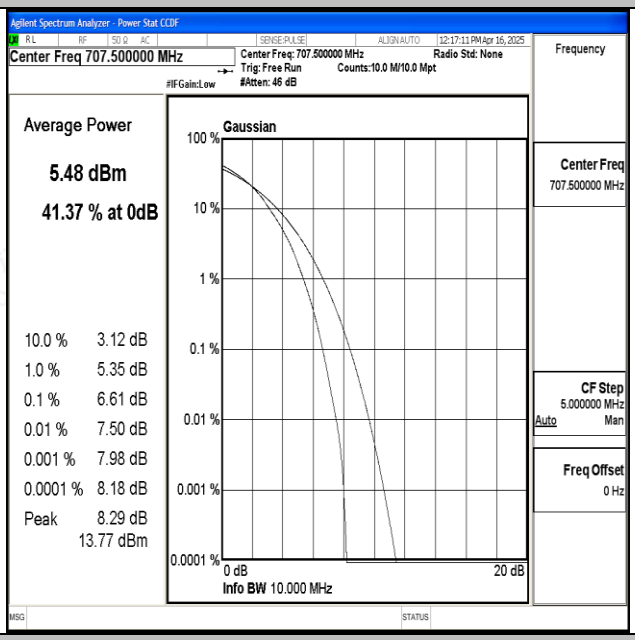
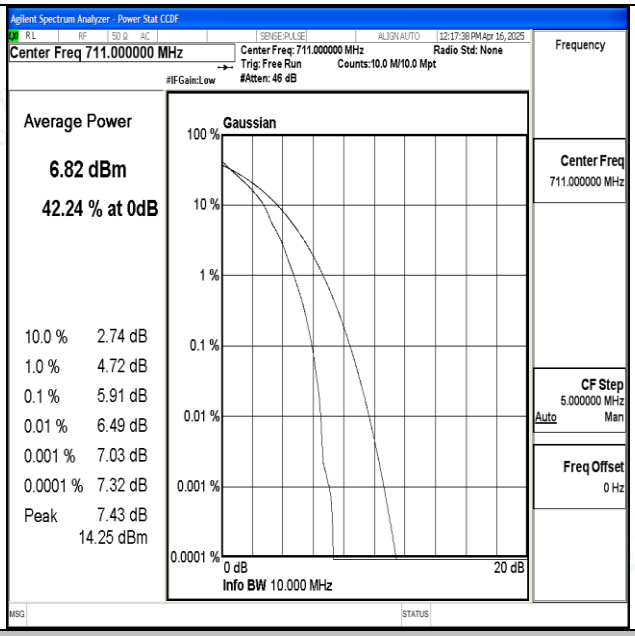
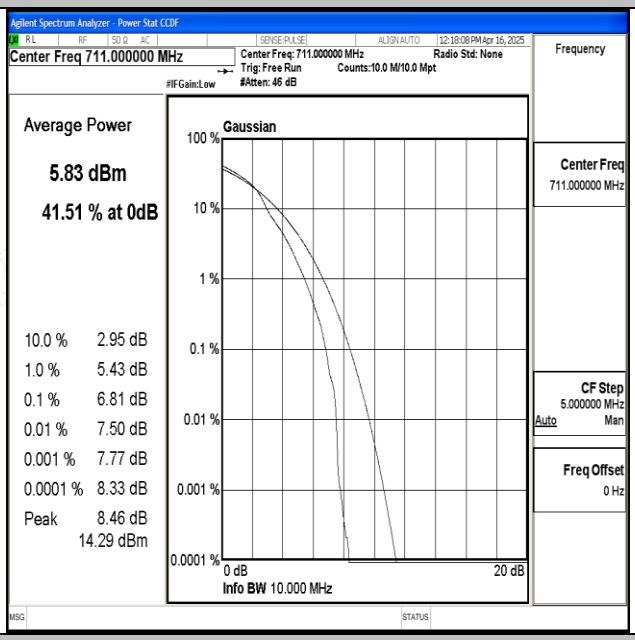


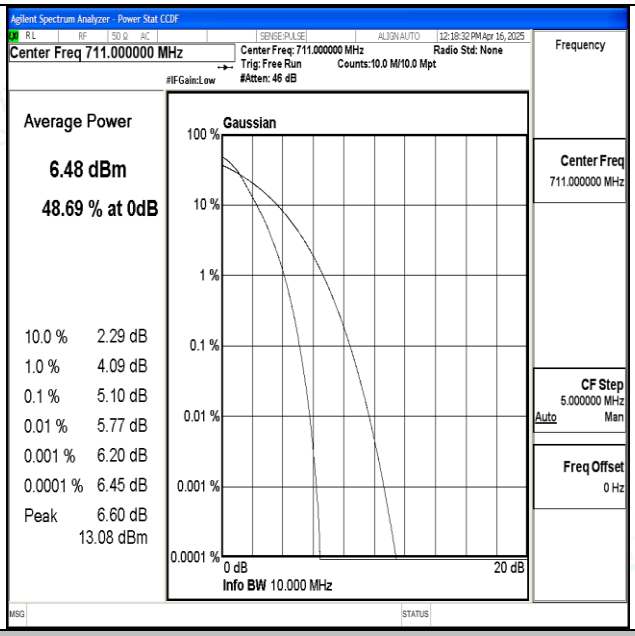
Band12-10MHz-16QAM-23095-50RB#0-PASS



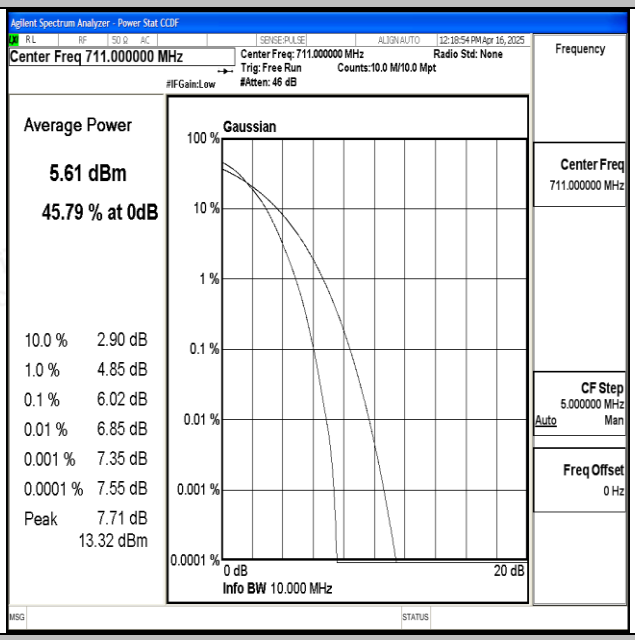
Band12-10MHz-QPSK-23130-1RB#0-PASS



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



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



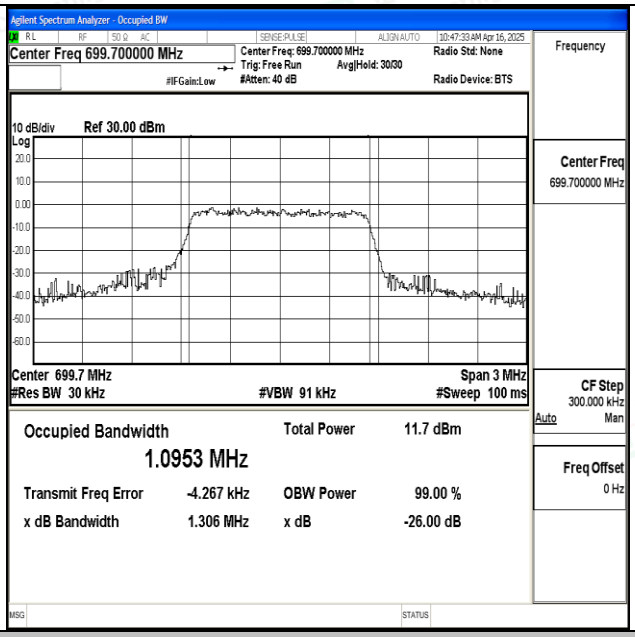
Band12-10MHz-16QAM-23130-50RB#0-PASS

K.3 26dB Bandwidth and Occupied Bandwidth

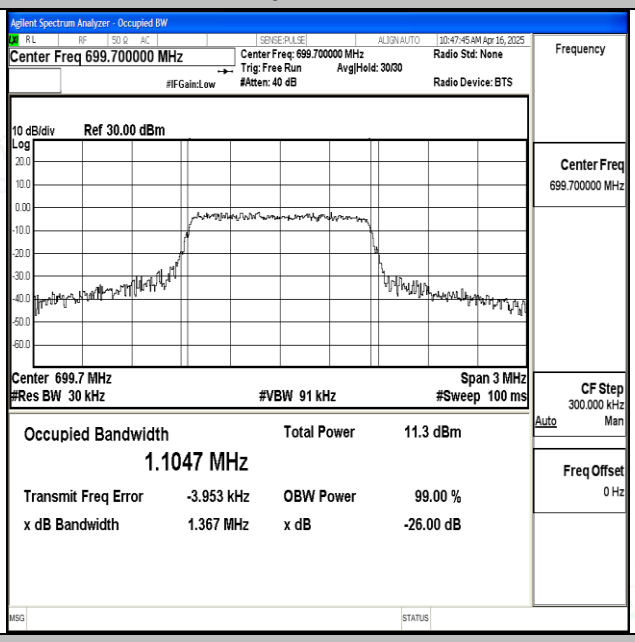
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verd
Band12	1.4MHz	QPSK	23017	6RB#0	1.0953	1.306	PAS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1047	1.367	PAS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0950	1.303	PAS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1000	1.284	PAS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0942	1.283	PAS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0991	1.343	PAS
Band12	3MHz	QPSK	23025	15RB#0	2.7768	3.482	PAS
Band12	3MHz	16QAM	23025	15RB#0	2.7590	3.347	PAS
Band12	3MHz	QPSK	23095	15RB#0	2.7760	3.526	PAS
Band12	3MHz	16QAM	23095	15RB#0	2.7623	3.540	PAS
Band12	3MHz	QPSK	23165	15RB#0	2.7702	3.428	PAS
Band12	3MHz	16QAM	23165	15RB#0	2.7721	3.305	PAS
Band12	5MHz	QPSK	23035	25RB#0	4.5494	5.553	PAS
Band12	5MHz	16QAM	23035	25RB#0	4.5383	5.393	PAS
Band12	5MHz	QPSK	23095	25RB#0	4.5300	5.341	PAS
Band12	5MHz	16QAM	23095	25RB#0	4.5293	5.682	PAS
Band12	5MHz	QPSK	23155	25RB#0	4.5113	5.064	PAS
Band12	5MHz	16QAM	23155	25RB#0	4.5012	5.160	PAS
Band12	10MHz	QPSK	23060	50RB#0	9.0776	10.25	PAS
Band12	10MHz	16QAM	23060	50RB#0	9.0503	10.21	PAS
Band12	10MHz	QPSK	23095	50RB#0	8.9595	9.816	PAS
Band12	10MHz	16QAM	23095	50RB#0	8.9483	10.03	PAS
Band12	10MHz	QPSK	23130	50RB#0	8.8802	9.729	PAS
Band12	10MHz	16QAM	23130	50RB#0	8.8785	9.775	PAS

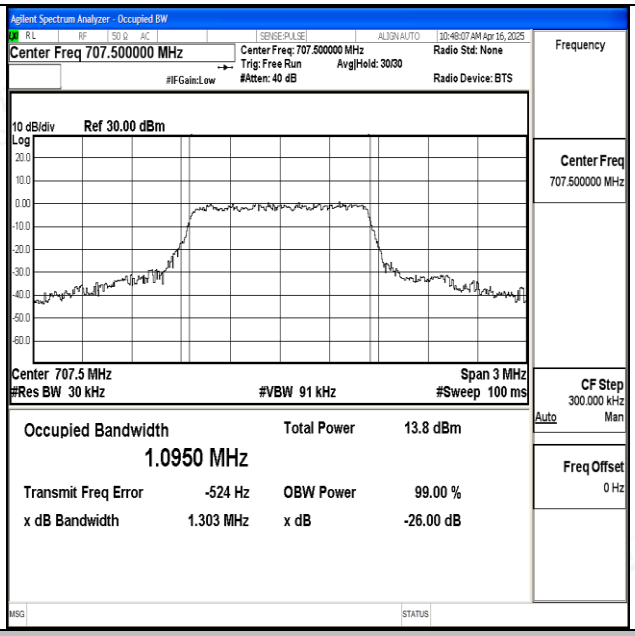
Test Graphs



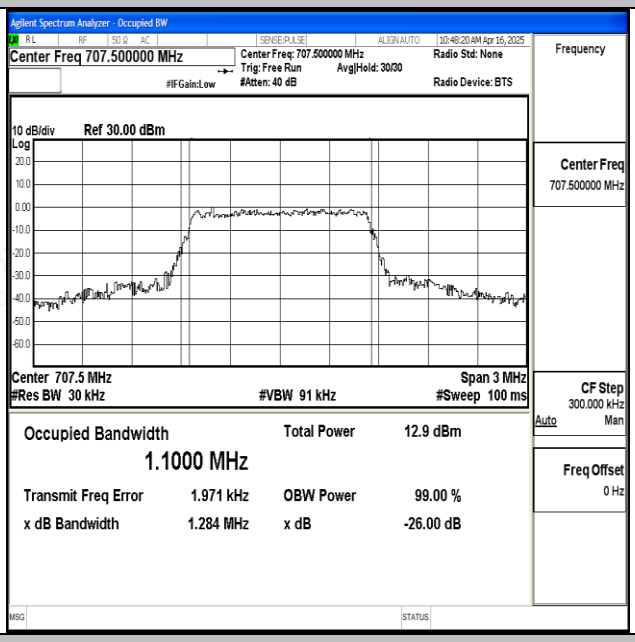
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



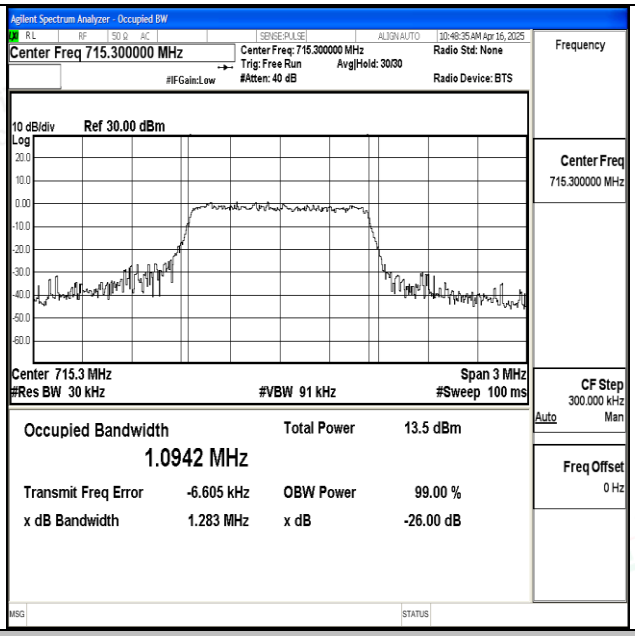
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



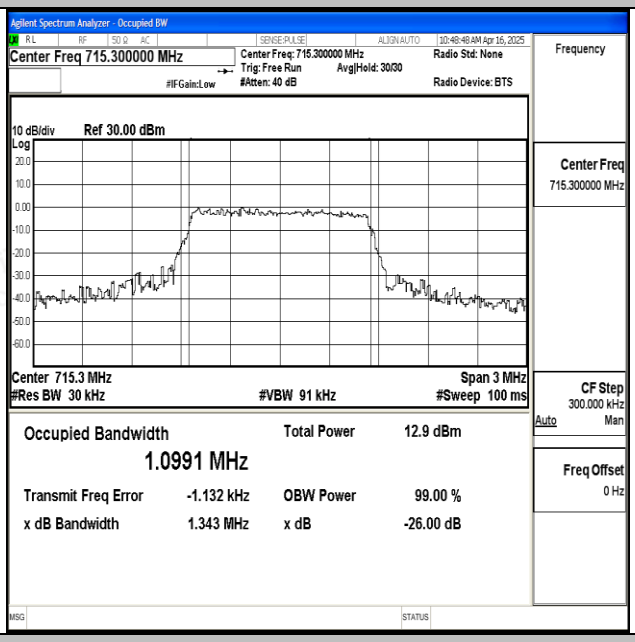
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



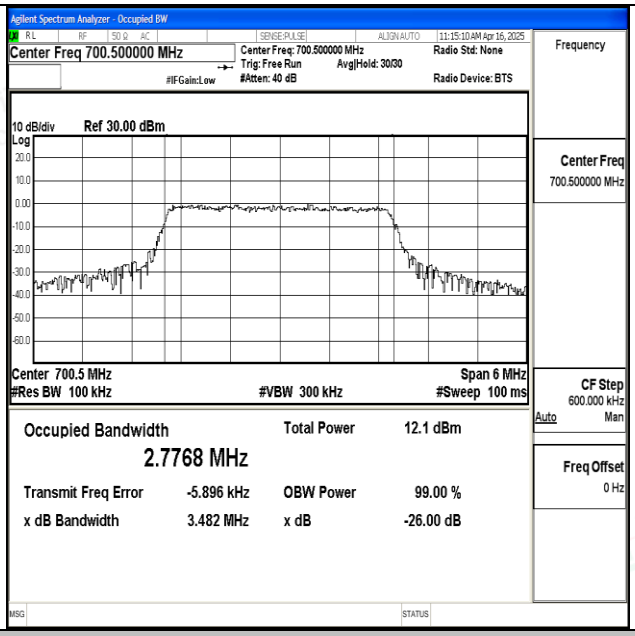
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



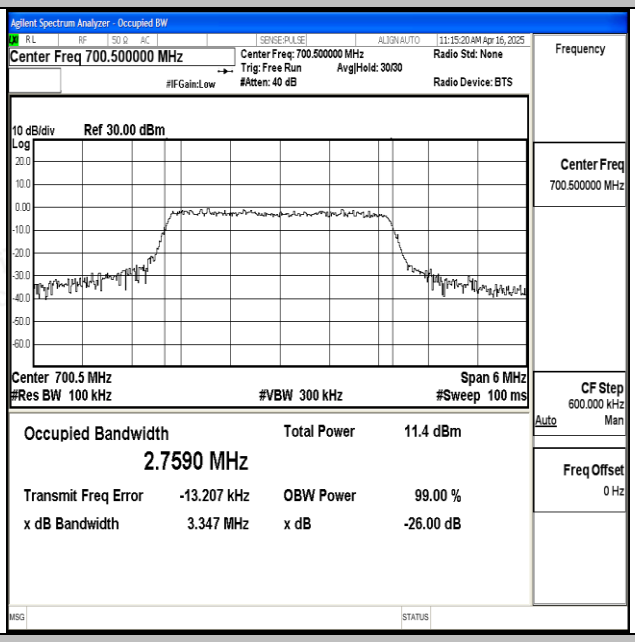
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



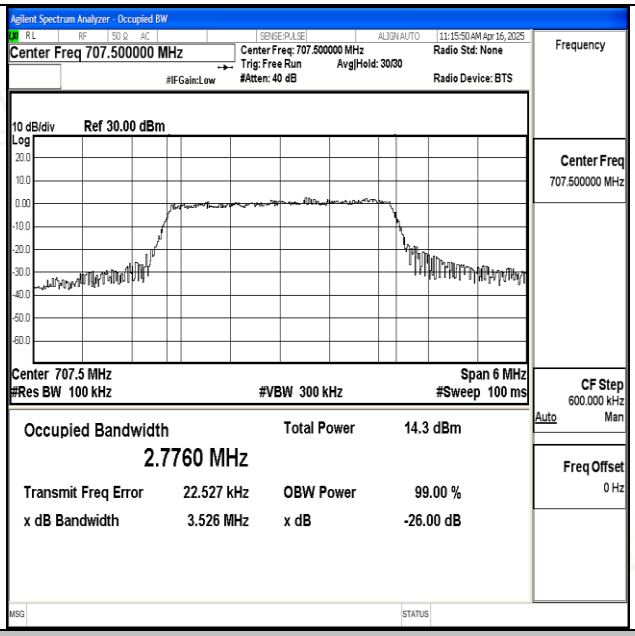
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



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



Band12-3MHz-16QAM-23025-15RB#0-PASS



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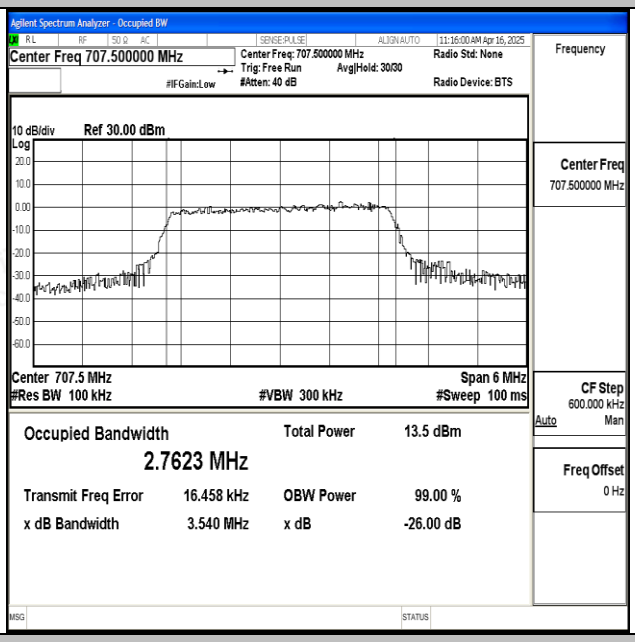
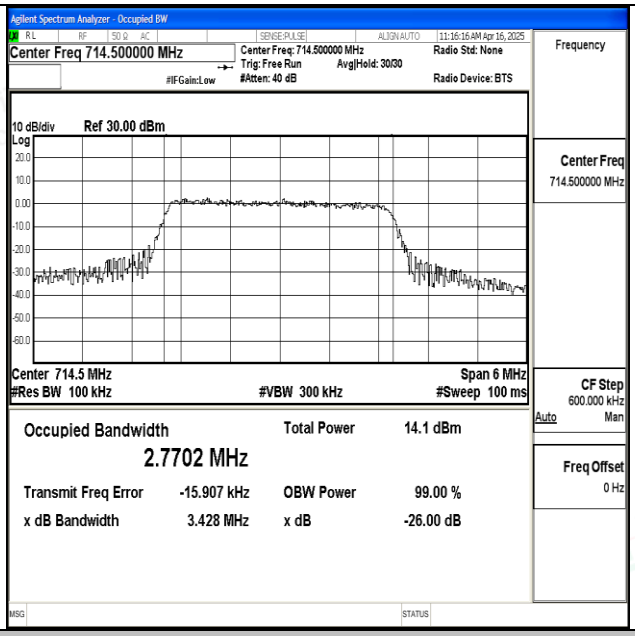
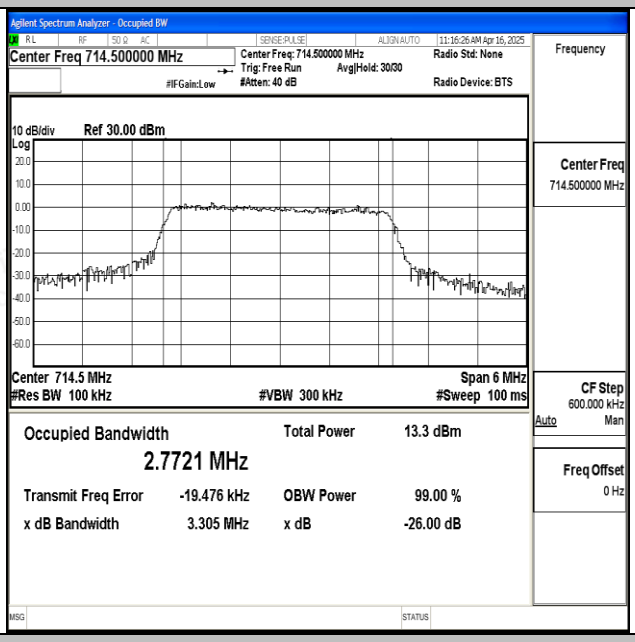


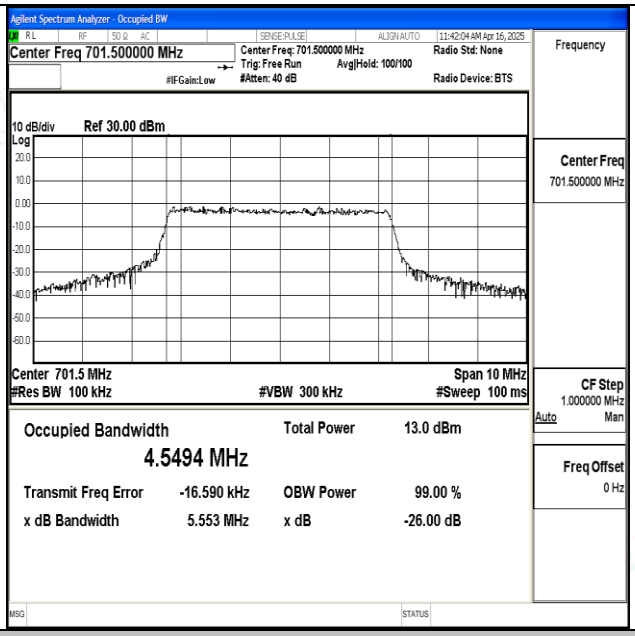
Band12-3MHz-16QAM-23095-15RB#0-PASS



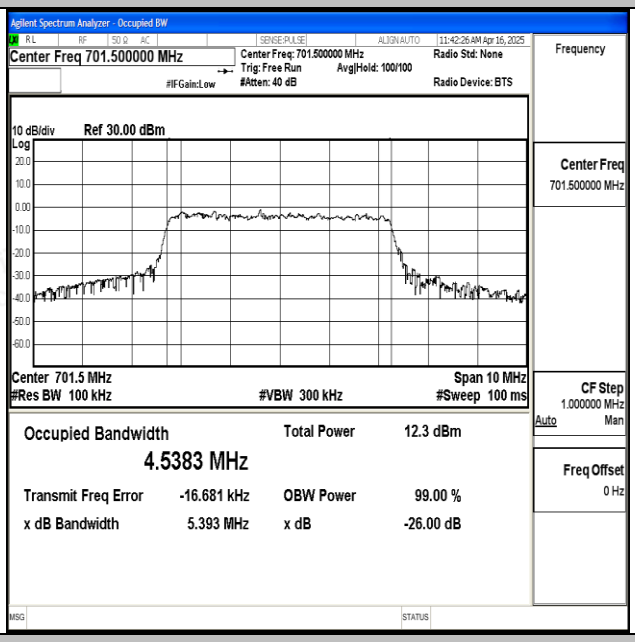
Band12-3MHz-QPSK-23165-15RB#0-PASS



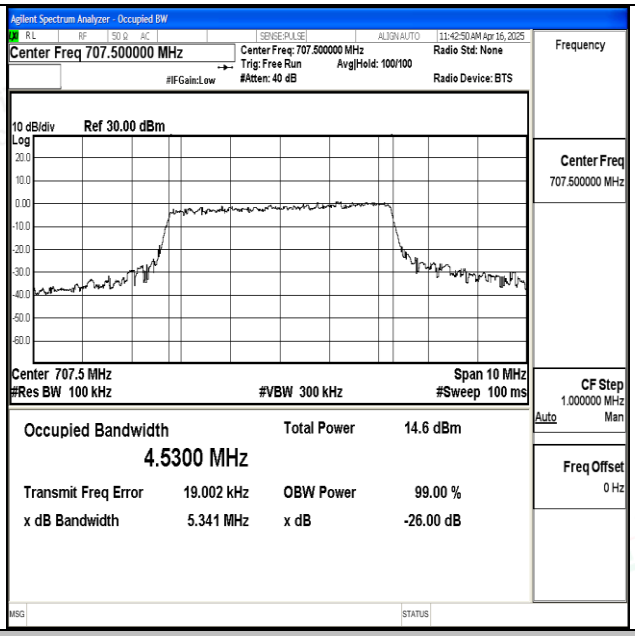
Band12-3MHz-16QAM-23165-15RB#0-PASS



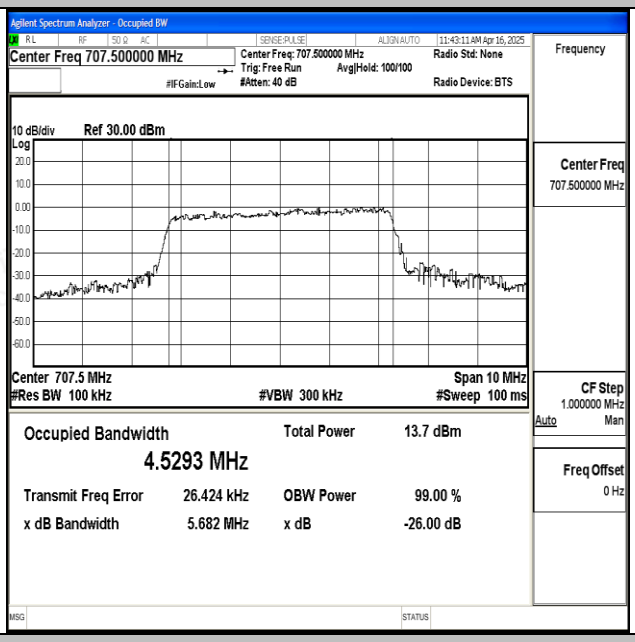
Band12-5MHz-QPSK-23035-25RB#0-PASS



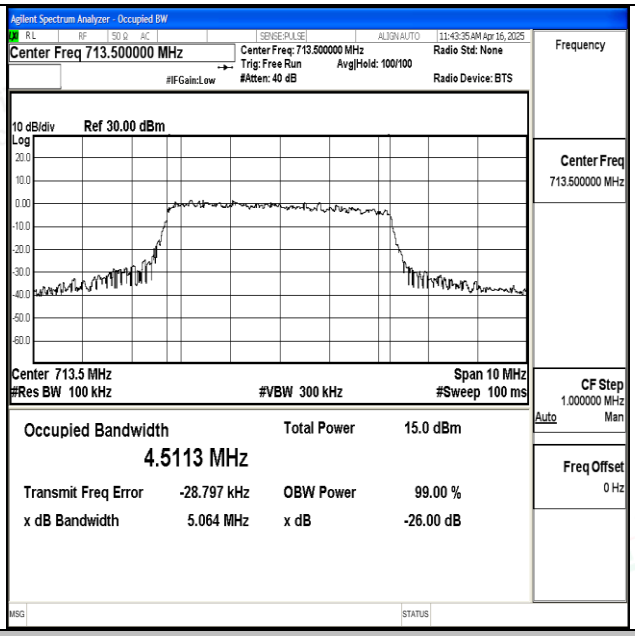
Band12-5MHz-16QAM-23035-25RB#0-PASS



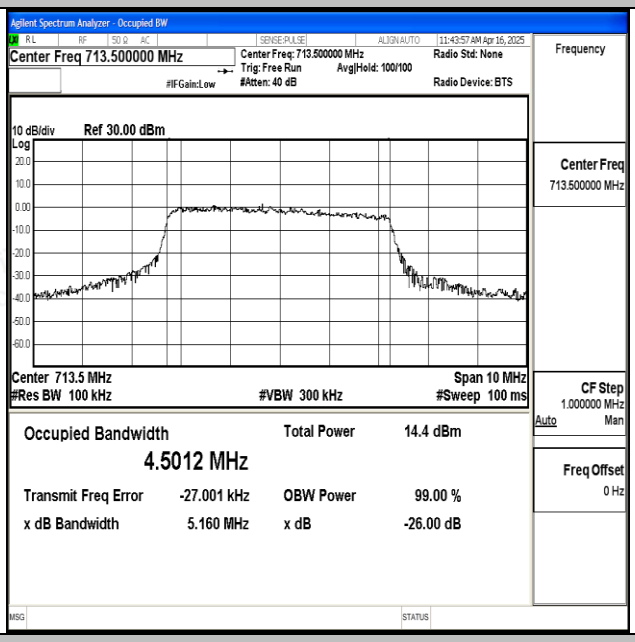
Band12-5MHz-QPSK-23095-25RB#0-PASS



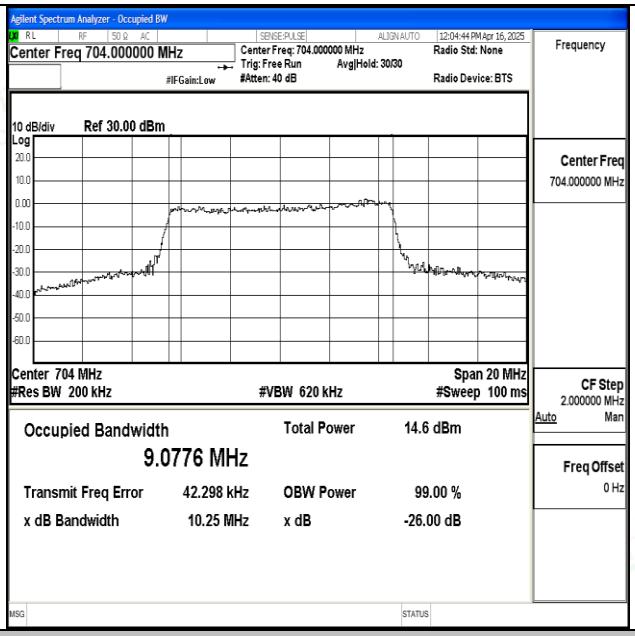
Band12-5MHz-16QAM-23095-25RB#0-PASS



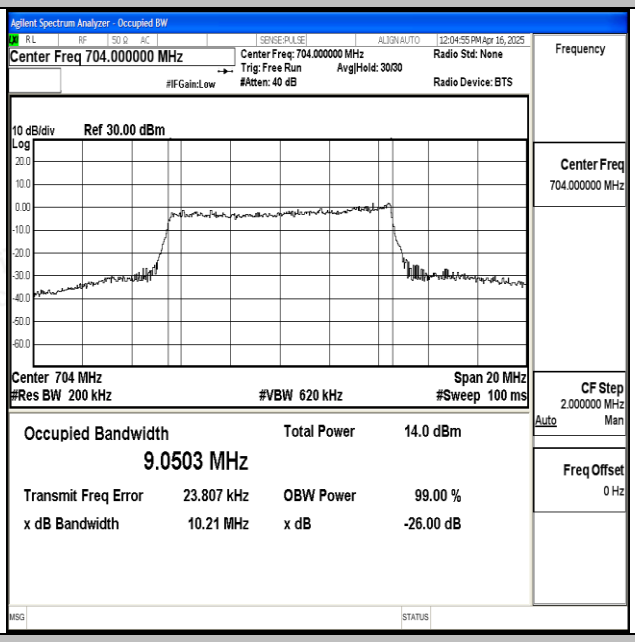
Band12-5MHz-QPSK-23155-25RB#0-PASS



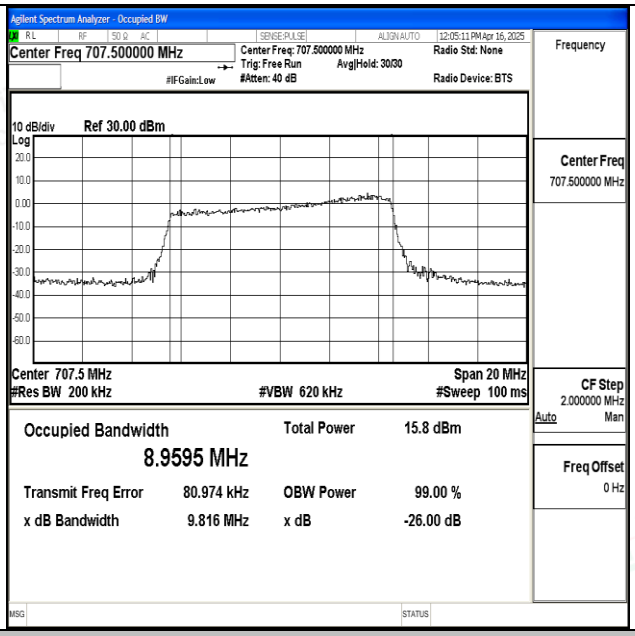
Band12-5MHz-16QAM-23155-25RB#0-PASS



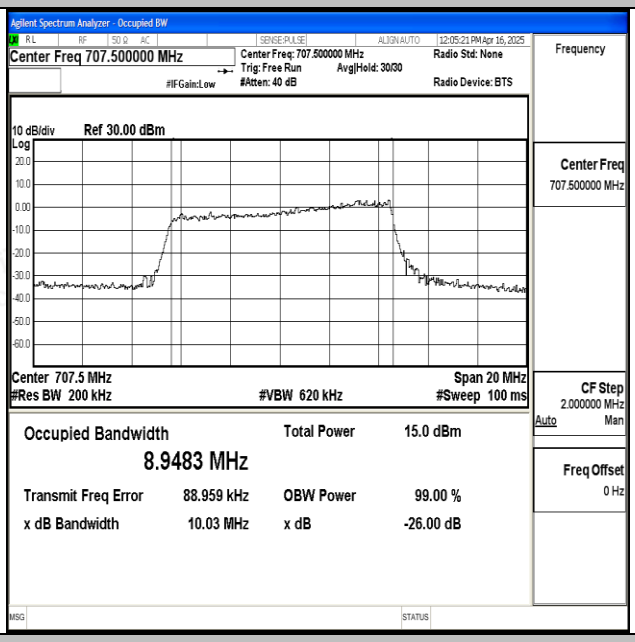
Band12-10MHz-QPSK-23060-50RB#0-PASS



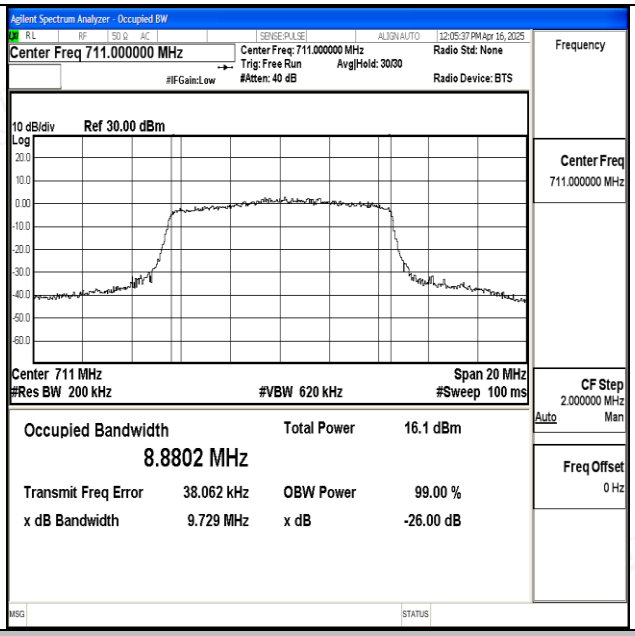
Band12-10MHz-16QAM-23060-50RB#0-PASS



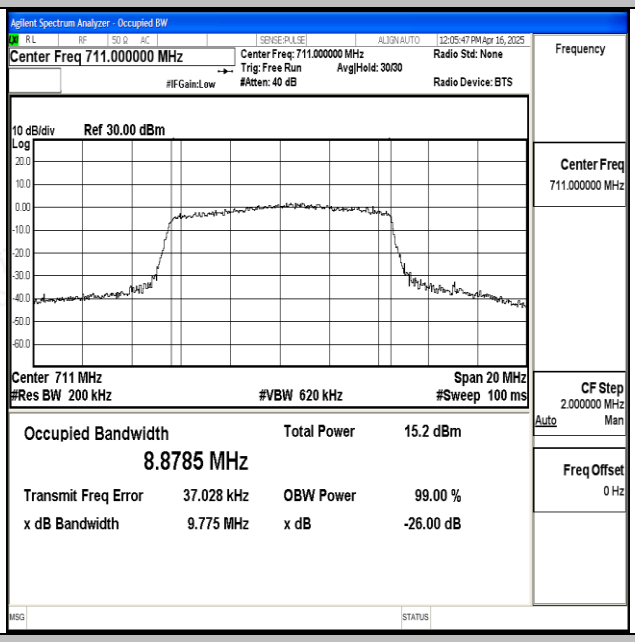
Band12-10MHz-QPSK-23095-50RB#0-PASS



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



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



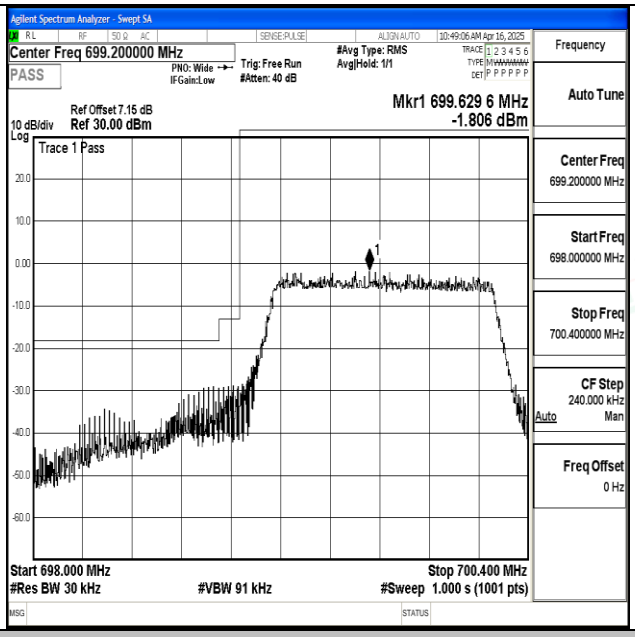
Band12-10MHz-16QAM-23130-50RB#0-PASS

K.4 Band Edge

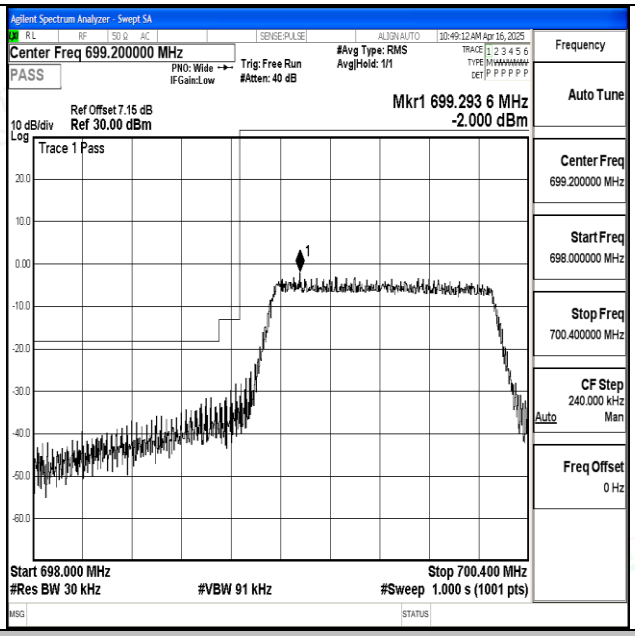
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.88	-29.02	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.86	-31.40	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.16	-30.57	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.16	-31.26	PASS
Band12	3MHz	QPSK	23025	15RB#0	698.88	-33.08	PASS
Band12	3MHz	16QAM	23025	15RB#0	698.88	-33.59	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.13	-32.42	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.24	-35.40	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.77	-34.69	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.88	-36.06	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.14	-36.60	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.21	-36.85	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.61	-38.33	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.76	-40.37	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.16	-40.50	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.11	-43.70	PASS

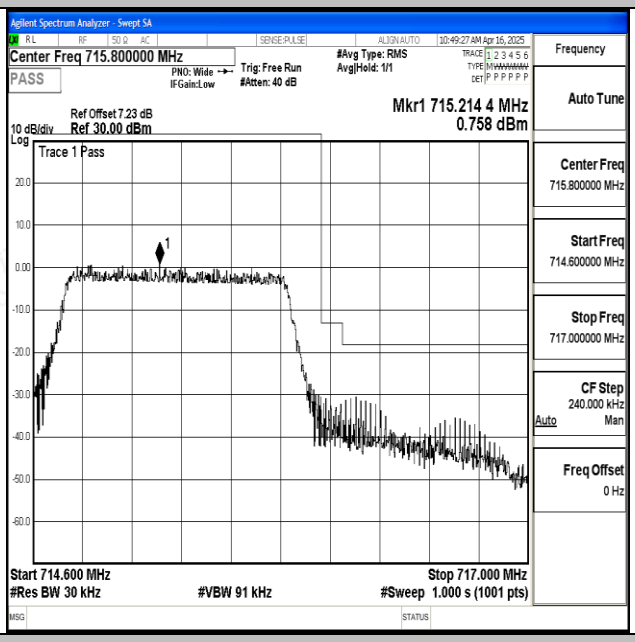
Test Graphs



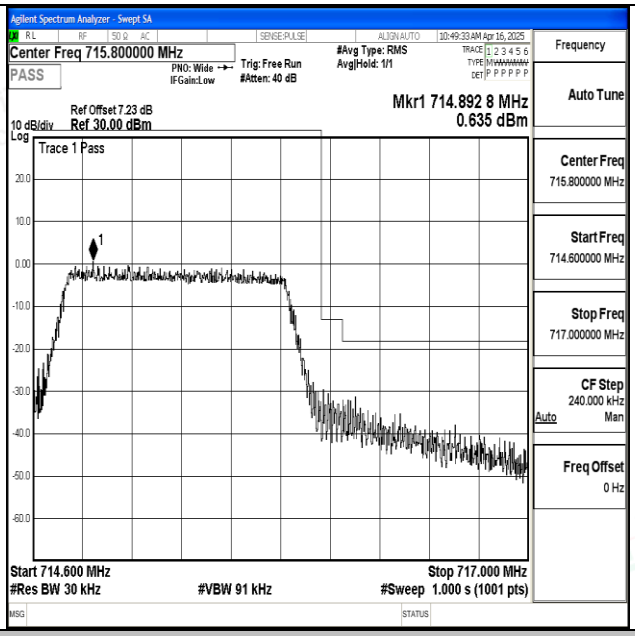
Band12_1.4MHz_QPSK_23017_6RB#0



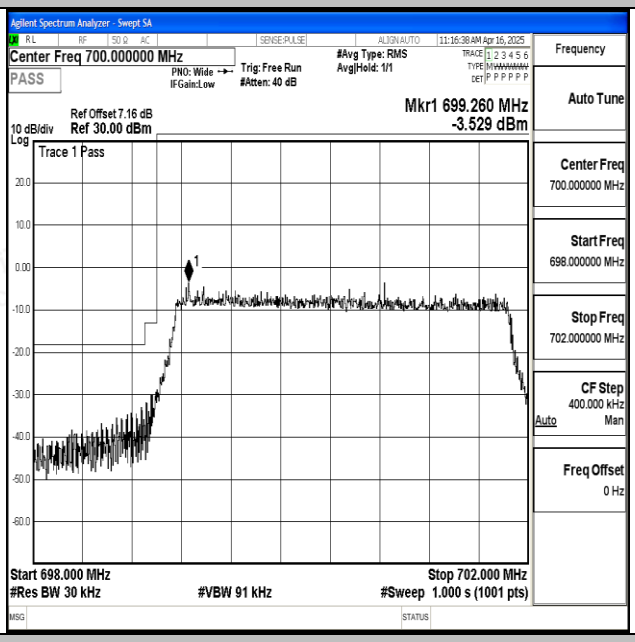
Band12_1.4MHz_16QAM_23017_6RB#0



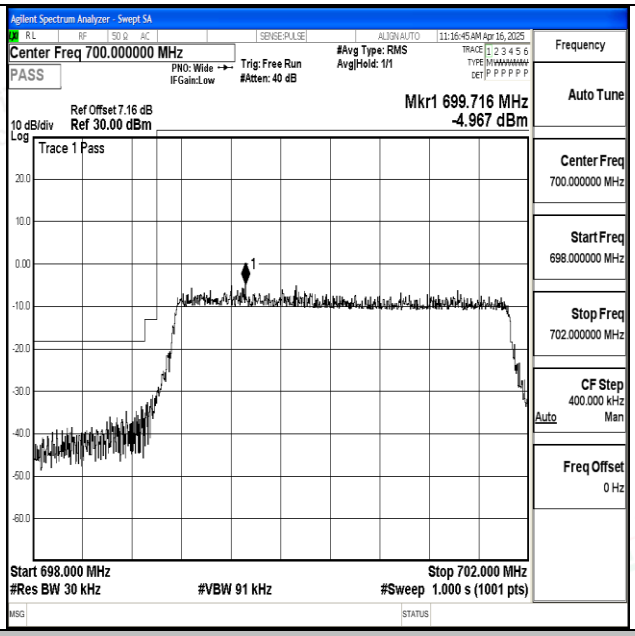
Band12_1.4MHz_QPSK_23173_6RB#0



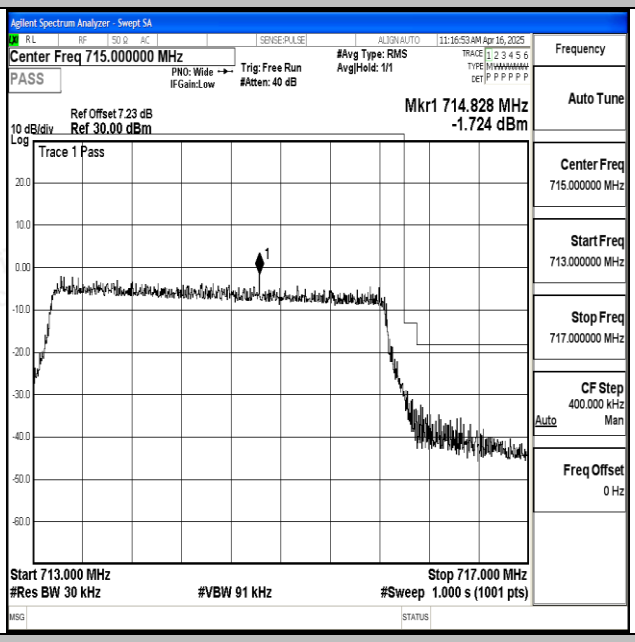
Band12_1.4MHz_16QAM_23173_6RB#0



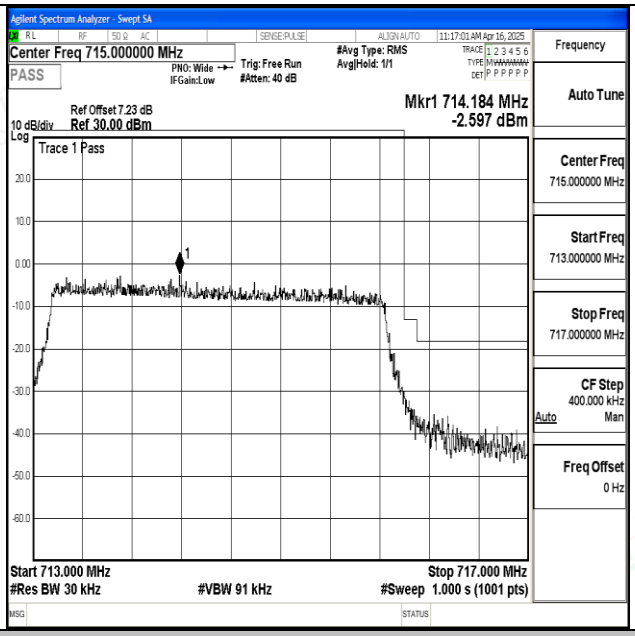
Band12_3MHz_QPSK_23025_15RB#0



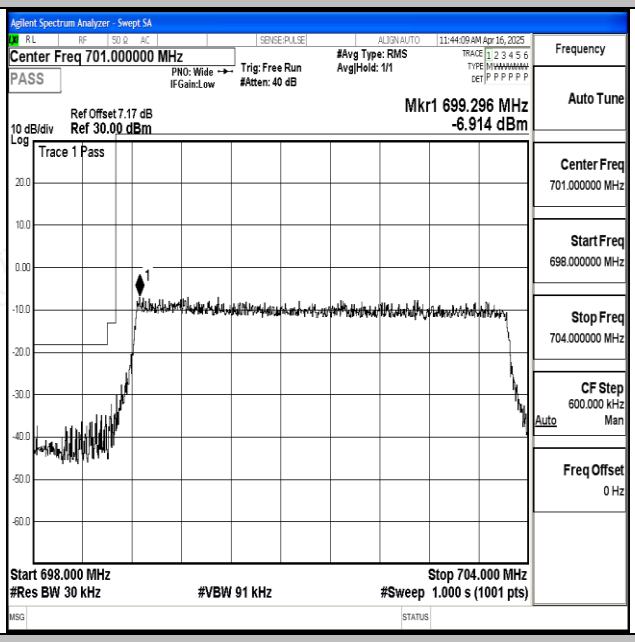
Band12_3MHz_16QAM_23025_15RB#0



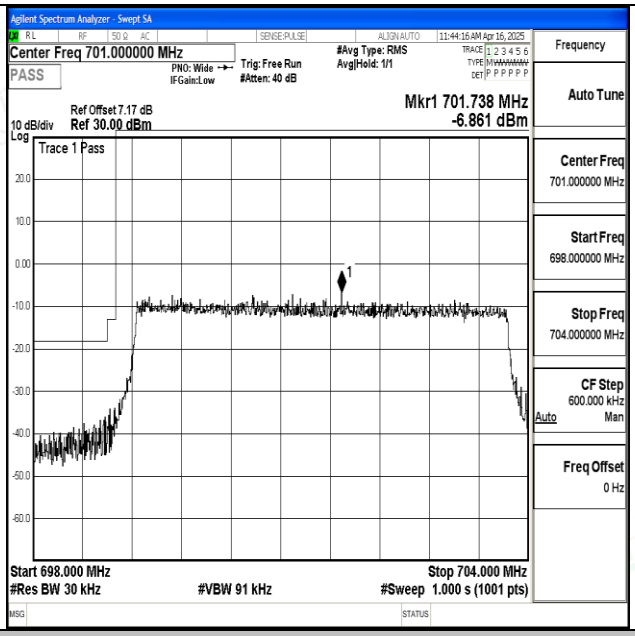
Band12_3MHz_QPSK_23165_15RB#0



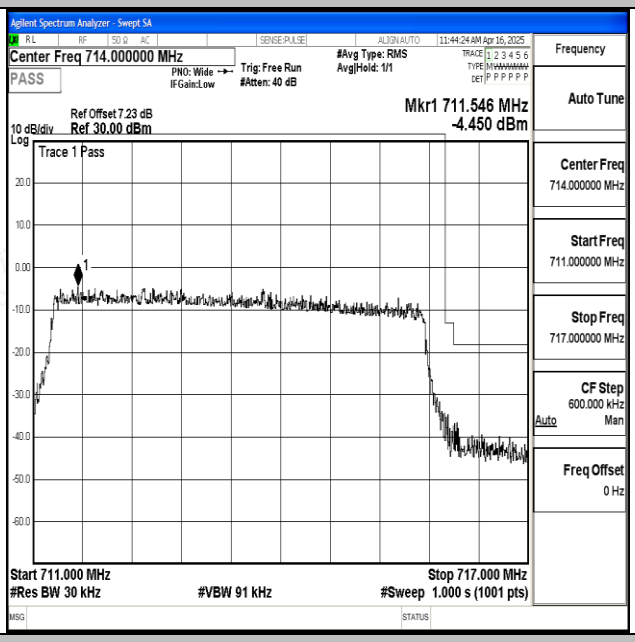
Band12_3MHz_16QAM_23165_15RB#0



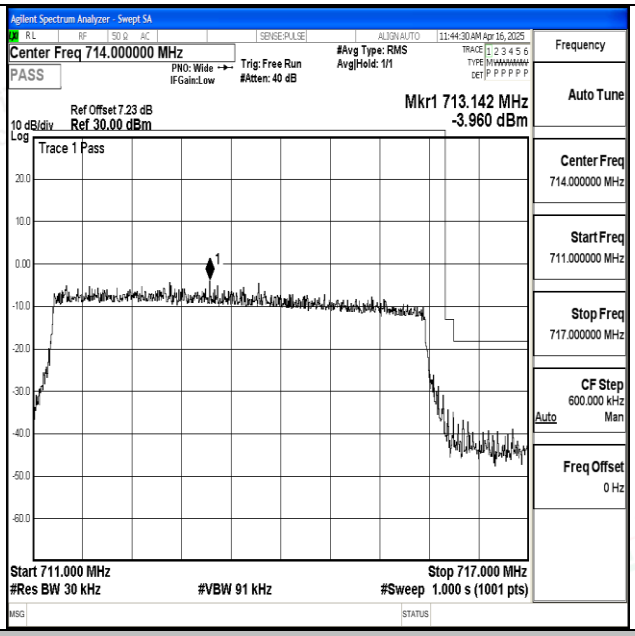
Band12_5MHz_QPSK_23035_25RB#0



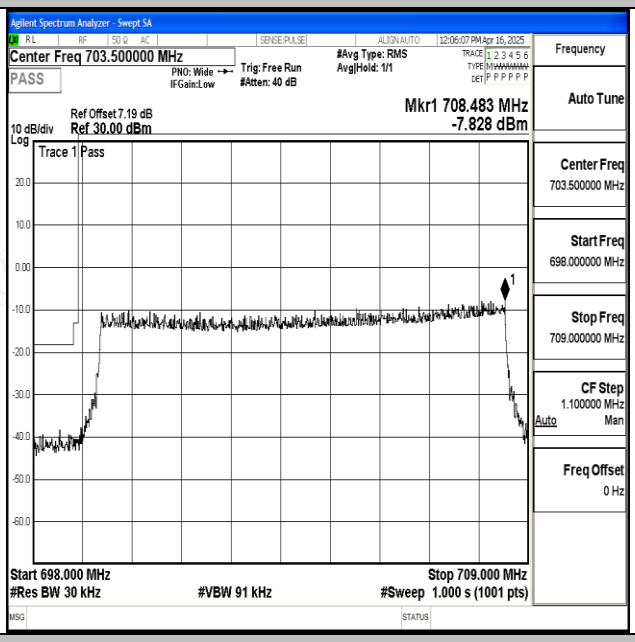
Band12_5MHz_16QAM_23035_25RB#0



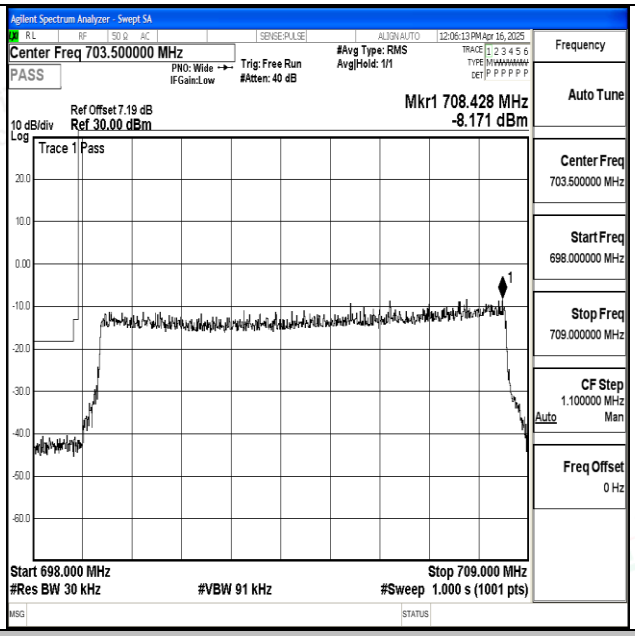
Band12_5MHz_QPSK_23155_25RB#0



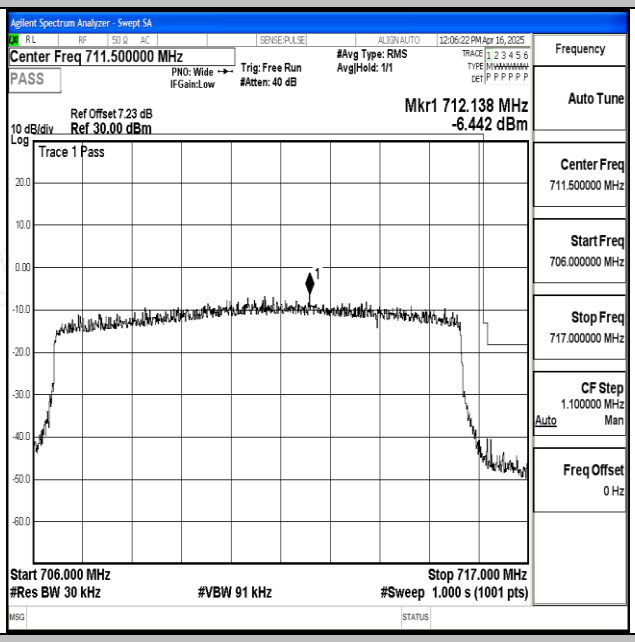
Band12_5MHz_16QAM_23155_25RB#0



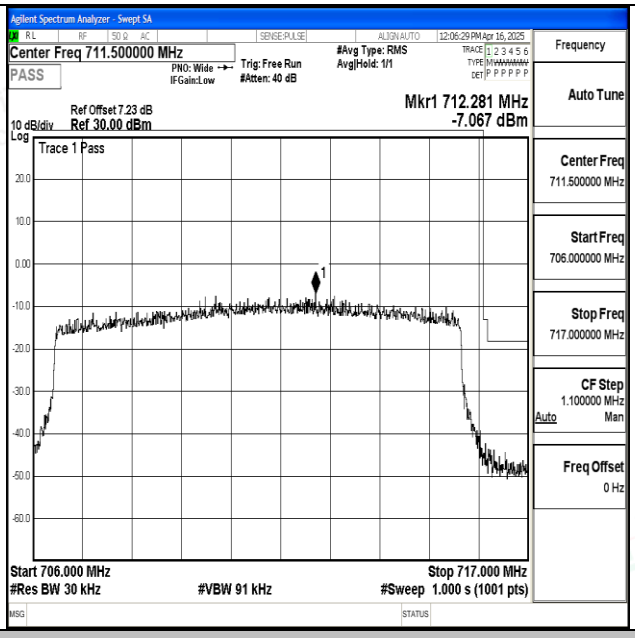
Band12_10MHz_QPSK_23060_50RB#0



Band12_10MHz_16QAM_23060_50RB#0



Band12_10MHz_QPSK_23130_50RB#0



Band12_10MHz_16QAM_23130_50RB#0

K.5 Conducted Spurious Emission

Test Result

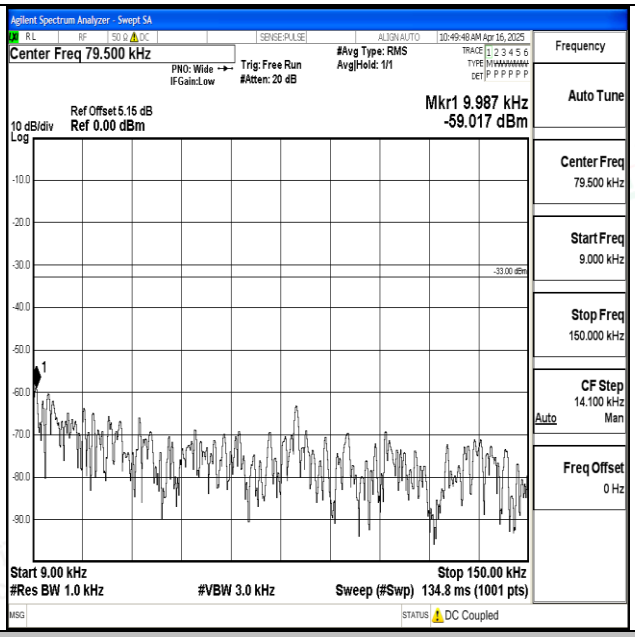
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	0.009~0.15	-59.02	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-47.69	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-45.03	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-29.31	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-35.31	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-56.06	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-44.27	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-41.35	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-30.76	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-34.81	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-55.75	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-47.47	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-39.81	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-38.88	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-35.20	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-56.15	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-45.87	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-40.28	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-38.59	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-35.03	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-58.81	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-47.04	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-41.64	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-29.23	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-35.21	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-56.92	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-49.72	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-41.92	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-38.74	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-35.37	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-57.23	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-43.67	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-44.47	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-38.73	PASS

Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-34.92	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-56.90	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-45.55	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-45.53	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-39.21	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-35.24	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-57.25	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-47.02	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-46.02	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-38.88	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-35.38	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-59.20	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-44.25	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-43.29	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-39.35	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-35.49	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-58.36	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-46.47	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-51.15	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-37.56	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-35.81	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-56.60	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-44.44	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-47.13	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-35.25	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-34.33	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-53.67	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-47.85	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-52.89	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-38.00	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-35.38	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-55.96	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-45.15	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-53.10	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-34.17	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-35.35	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-58.64	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-45.09	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-52.13	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-29.50	PASS

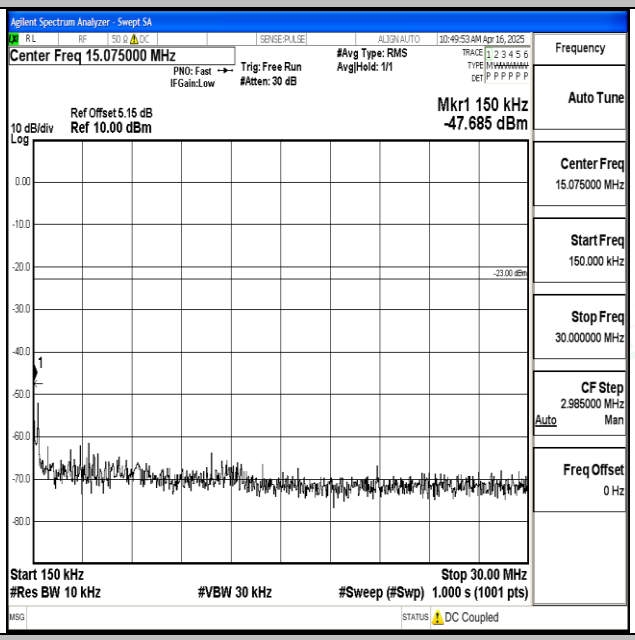
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-35.07	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-57.44	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-44.37	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-52.73	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-38.74	PASS
Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-35.34	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-58.99	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-48.63	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-52.79	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-38.95	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-35.54	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-60.69	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-46.00	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-52.86	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-39.00	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-34.19	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-58.70	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-45.46	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-53.18	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-38.56	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-35.74	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-58.81	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-48.78	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-52.29	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-38.57	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-35.59	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-55.58	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-48.48	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-53.61	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-38.50	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-34.93	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-56.27	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-48.42	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-52.34	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-39.00	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-33.47	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-55.19	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-44.21	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-53.30	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-37.78	PASS

Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-34.95	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-59.08	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-43.95	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-52.45	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-39.44	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-35.06	PASS

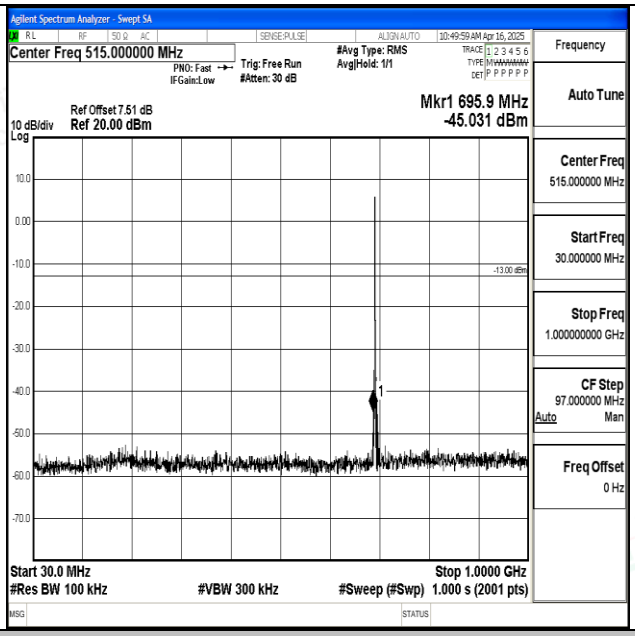
Test Graphs



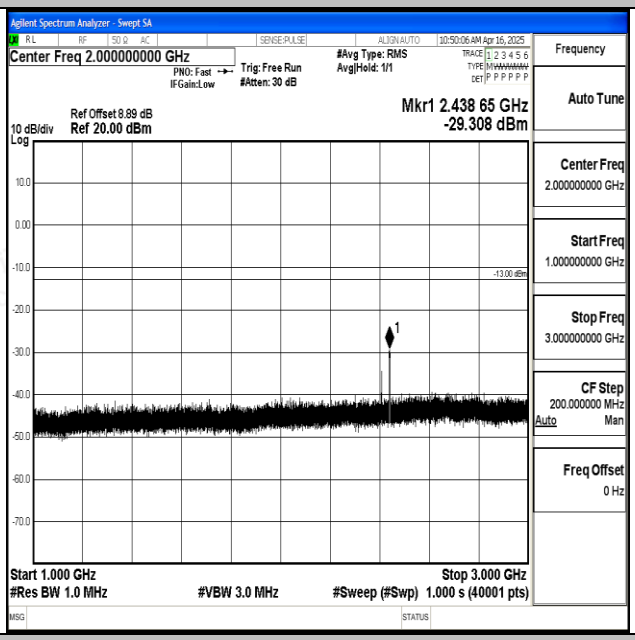
Band12_1.4MHz_QPSK_23017_1RB#0_0.009~0.15_0.009~0.15



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