Appendix L: Test Data for E-UTRA Band 12

Product Name: Smartphone

Test Model: S24 Pro

Environmental Conditions

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

L.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	16QAM	23095	3RB#1	21.33	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.20	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.36	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.28	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	20.64	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.24	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.73	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.23	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	21.68	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.26	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	21.73	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.64	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.42	PASS
Band12	10MHz	16QAM	23095	1RB#24	20.92	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.27	PASS
Band12	10MHz	16QAM	23095	1RB#49	20.82	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.46	PASS
Band12	10MHz	16QAM	23095	25RB#0	20.70	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.46	PASS
Band12	10MHz	16QAM	23095	25RB#12	20.80	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.47	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.35	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.61	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.36	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.60	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.63	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.51	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.56	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.44	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.40	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.70	PASS
Band12	3MHz	QPSK	23025	8RB#0	21.80	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.06	PASS
Band12	3MHz	QPSK	23025	8RB#4	21.83	PASS
Band12	3MHz	16QAM	23025	8RB#4	20.96	PASS

Band12	3MHz	QPSK	23025	8RB#7	21.73	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.00	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.76	PASS
Band12	3MHz	16QAM	23025	15RB#0	20.90	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.45	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.23	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.42	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.44	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.57	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.37	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.33	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.72	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.46	PASS
Band12	3MHz	16QAM	23095	8RB#4	20.88	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.30	PASS
Band12	3MHz	16QAM	23095	8RB#7	20.80	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.41	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.48	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.38	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.79	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.39	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.26	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.27	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.16	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.34	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.71	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.24	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.49	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.43	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.65	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.23	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.75	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.76	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.28	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.63	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.19	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.57	PASS
Band12	5MHz	16QAM	23035	1RB#24	20.99	PASS
Band12	5MHz	QPSK	23035	12RB#0	21.86	PASS
Band12	5MHz	16QAM	23035	12RB#0	20.88	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.86	PASS

Band12	5MHz	16QAM	23035	12RB#6	20.88	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.63	PASS
Band12	5MHz	16QAM	23035	12RB#13	20.80	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.61	PASS
Band12	5MHz	16QAM	23035	25RB#0	20.92	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.37	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.85	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.23	PASS
Band12	5MHz	16QAM	23095	1RB#12	21.17	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.36	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.06	PASS
Band12	5MHz	QPSK	23095	12RB#0	21.55	PASS
Band12	5MHz	16QAM	23095	12RB#0	20.63	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.55	PASS
Band12	5MHz	16QAM	23095	12RB#6	20.72	PASS
Band12	5MHz	QPSK	23095	12RB#13	21.39	PASS
Band12	5MHz	16QAM	23095	12RB#13	20.62	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.47	PASS
Band12	5MHz	16QAM	23095	25RB#0	20.66	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.10	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.06	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.21	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.52	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.56	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.46	PASS
Band12	5MHz	QPSK	23155	12RB#0	21.39	PASS
Band12	5MHz	16QAM	23155	12RB#0	20.56	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.40	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.56	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.41	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.54	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.39	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.59	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.02	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.38	PASS
Band12	10MHz	16QAM	23060	1RB#24	21.30	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.12	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.15	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.72	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.74	PASS
Band12	10MHz	QPSK	23060	25RB#12	21.68	PASS

Band12	10MHz	16QAM	23060	25RB#12	20.73	PASS
Band12	10MHz	16QAM	23060	25RB#25	20.51	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.46	PASS
Band12	10MHz	16QAM	23095	25RB#25	20.59	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.43	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.65	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.28	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.21	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.08	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.97	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.10	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.18	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.36	PASS
Band12	10MHz	16QAM	23130	25RB#0	20.49	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.41	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.63	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.34	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.62	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.20	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.62	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.83	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.37	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	20.96	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.28	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.28	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.12	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.27	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.12	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.26	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.35	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.69	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.50	PASS
Band12	10MHz	16QAM	23060	50RB#0	20.63	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.74	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	22.58	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.24	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.52	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.18	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.64	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.74	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.62	PASS

Band12	1.4MHz	16QAM	23017	3RB#1	21.84	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.49	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.76	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	21.70	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	20.98	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.24	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	20.98	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.31	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.33	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.28	PASS

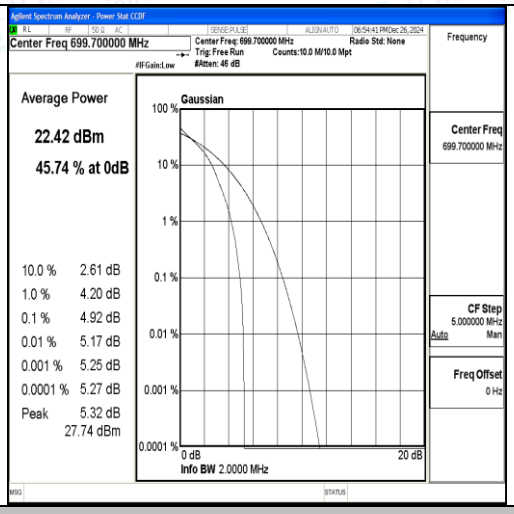
L.2 Peak-to-Average Ratio(CCDF)

Test Result

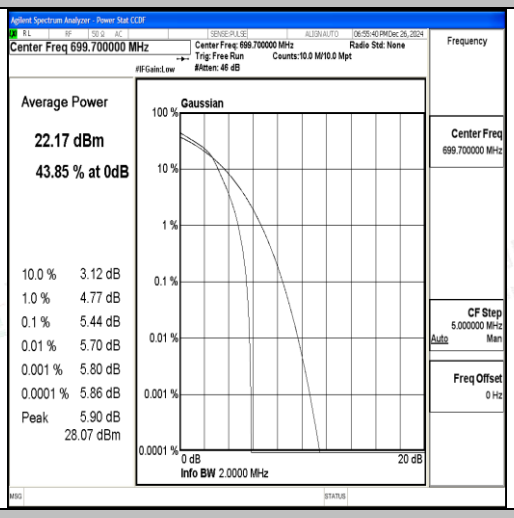
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.92	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.44	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.68	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.45	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.80	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.38	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.39	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.11	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.71	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.29	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.42	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.14	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.23	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	6.03	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.90	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.66	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.14	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.05	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.43	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.18	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.89	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.71	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.62	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.36	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.13	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.89	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.86	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.54	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.37	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	6.02	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.48	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.15	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.59	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.41	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.56	13	PASS

Band12	5MHz	16QAM	23155	25RB#0	6.22	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.11	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.85	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.69	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.42	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.48	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	6.25	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.42	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.20	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.01	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.96	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.56	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.22	13	PASS

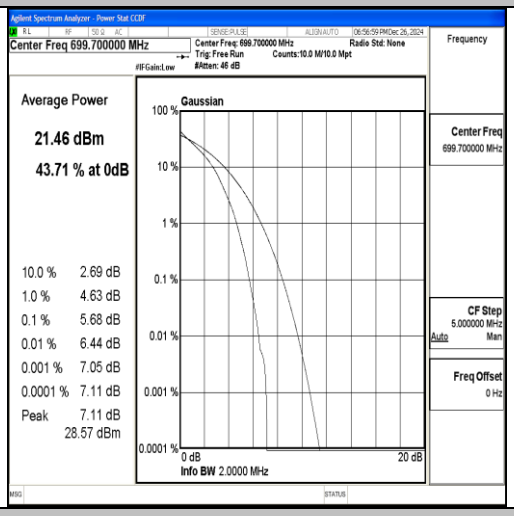
Test Graphs



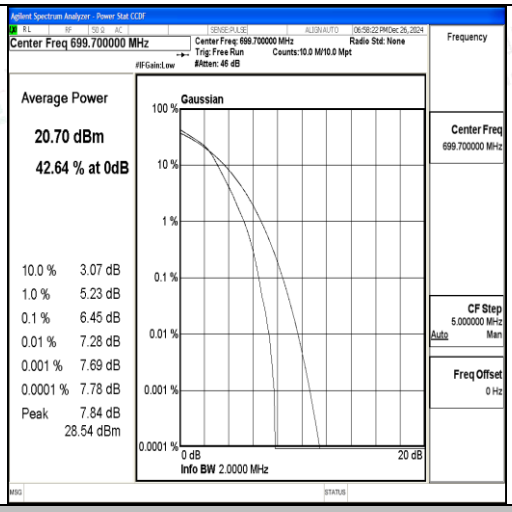
Band12-1.4MHz-QPSK-23017-1RB#0-PASS



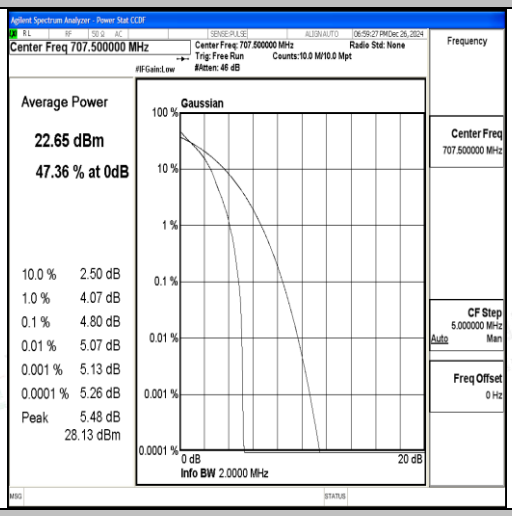
Band12-1.4MHz-16QAM-23017-1RB#0-PASS



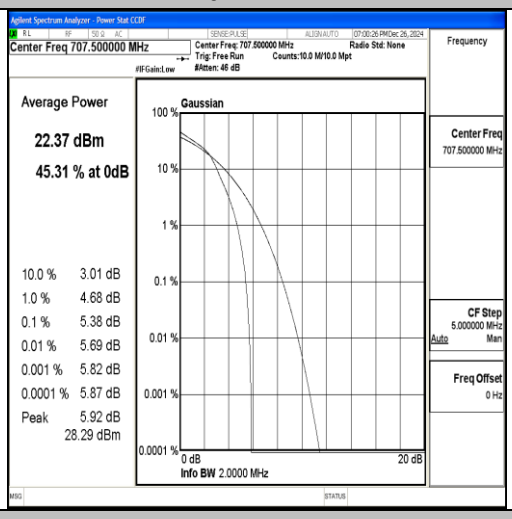
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



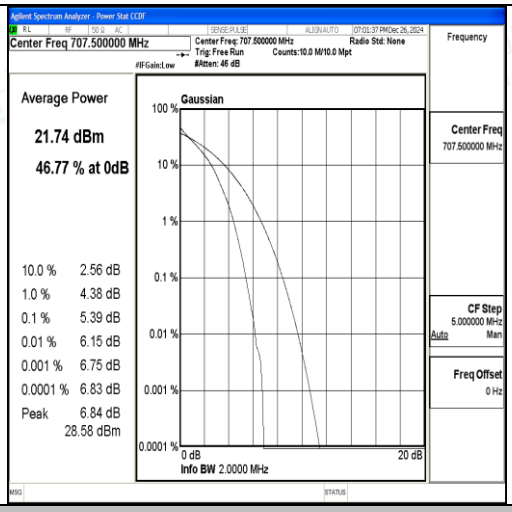
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



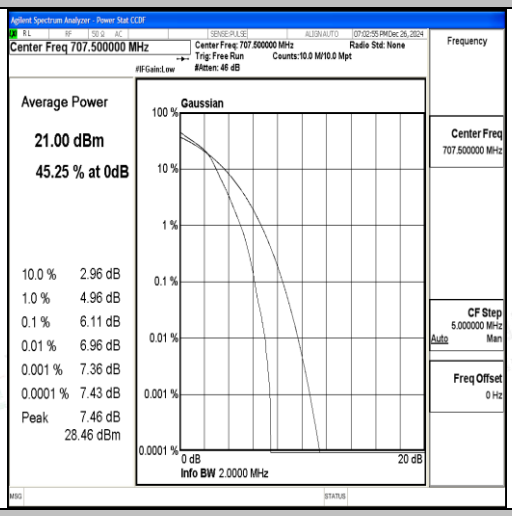
Band12-1.4MHz-QPSK-23095-1RB#0-PASS



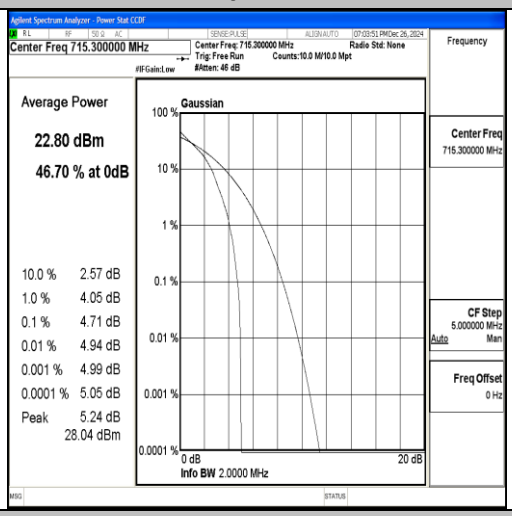
Band12-1.4MHz-16QAM-23095-1RB#0-PASS



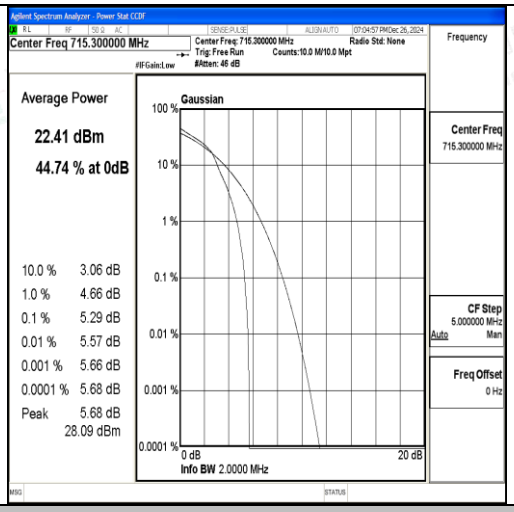
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



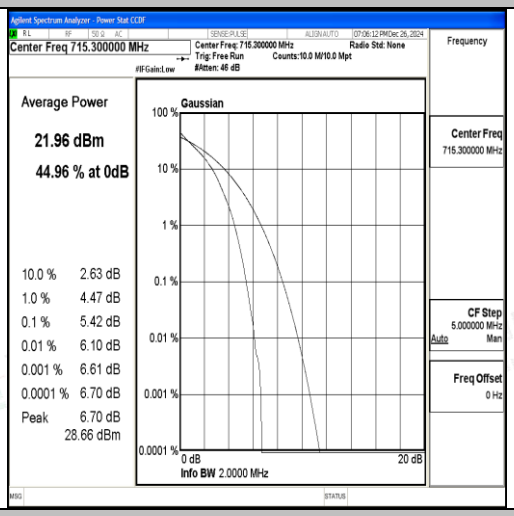
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



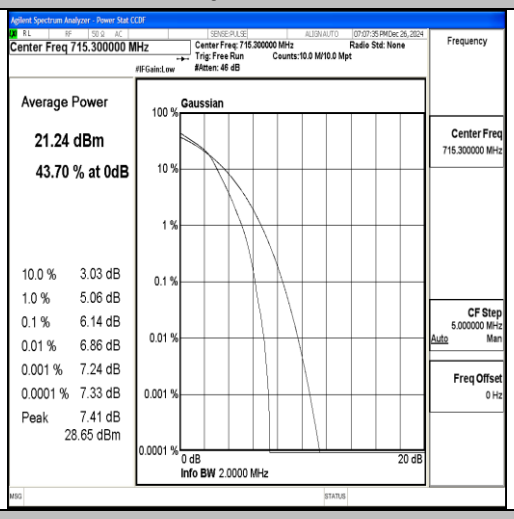
Band12-1.4MHz-QPSK-23173-1RB#0-PASS



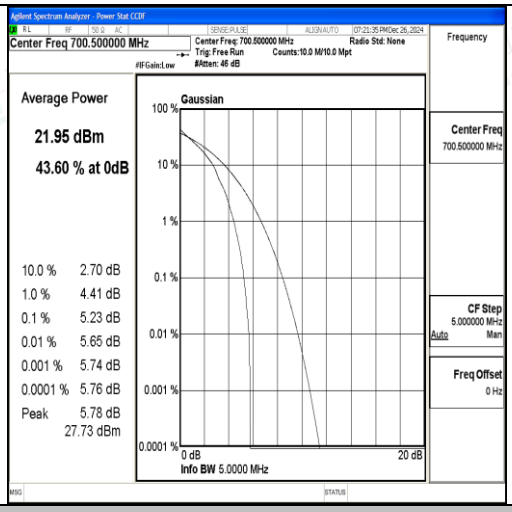
Band12-1.4MHz-16QAM-23173-1RB#0-PASS



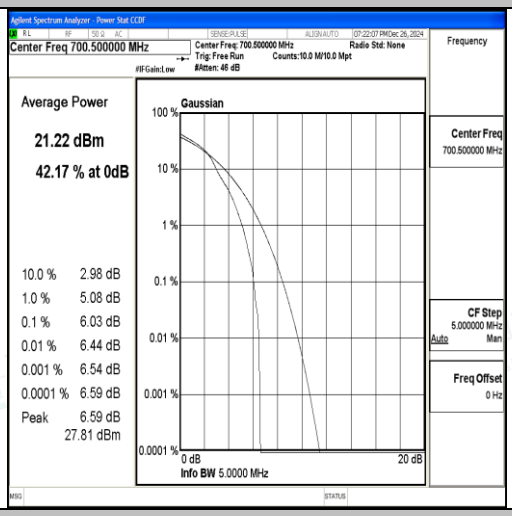
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



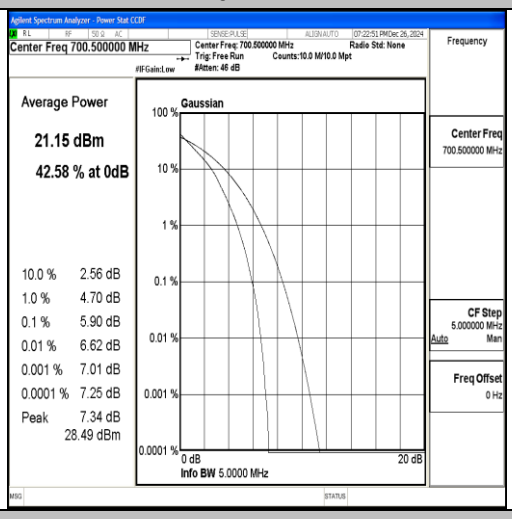
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



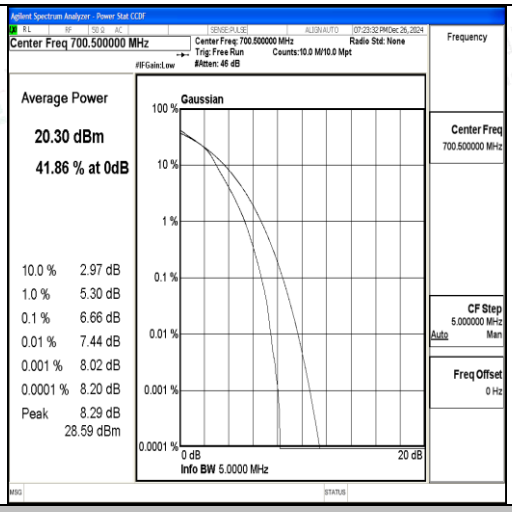
Band12-3MHz-QPSK-23025-1RB#0-PASS



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



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



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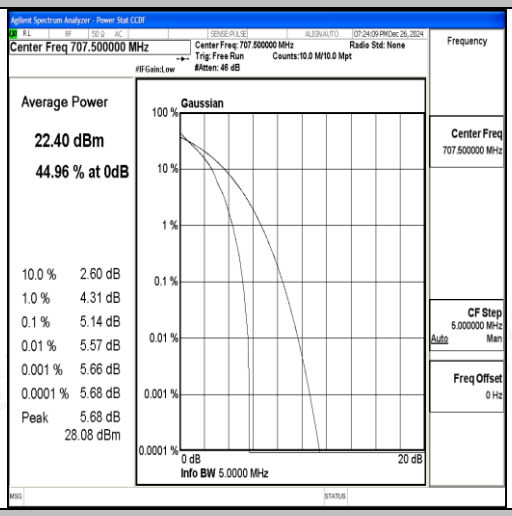
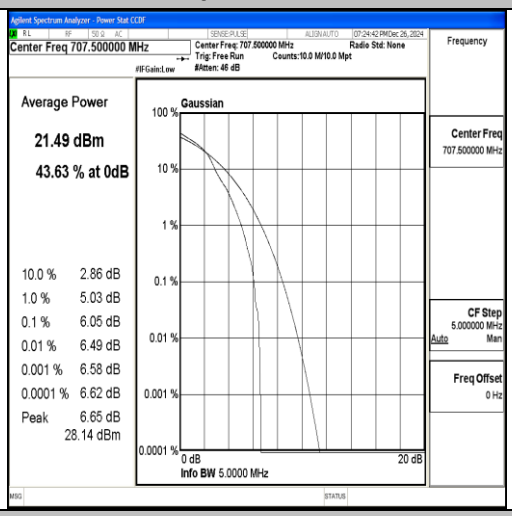


Band12-3MHz-QPSK-23095-1RB#0-PASS



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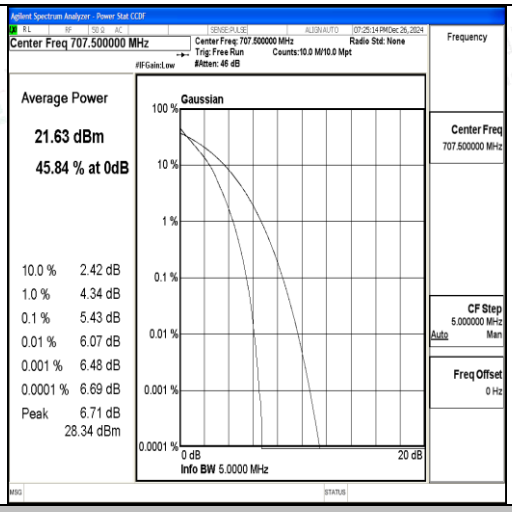

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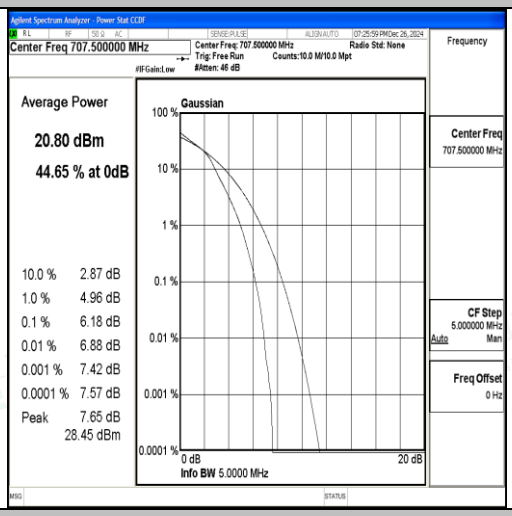
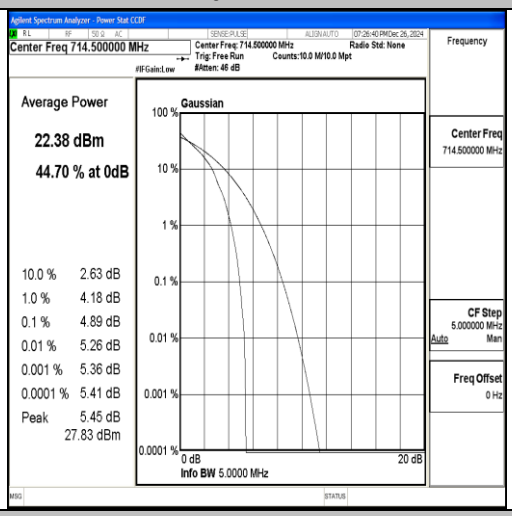
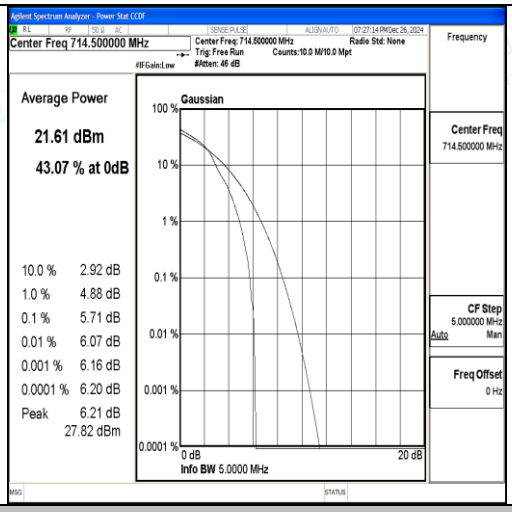


Band12-3MHz-16QAM-23095-15RB#0-PASS



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



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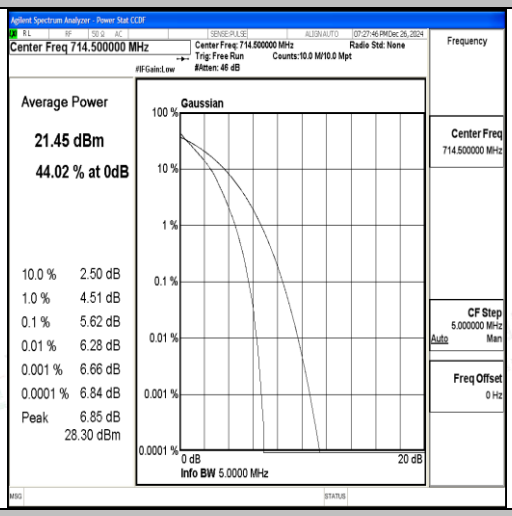

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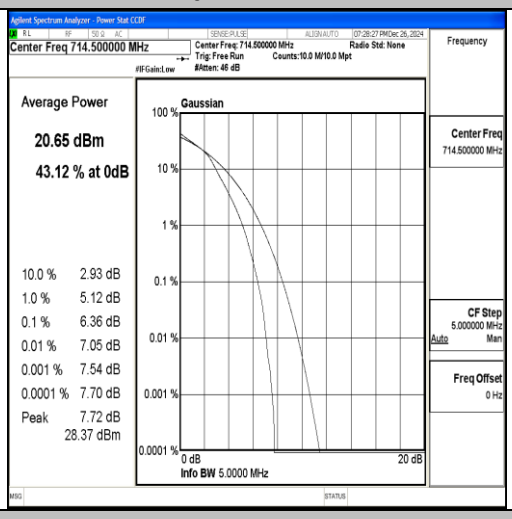

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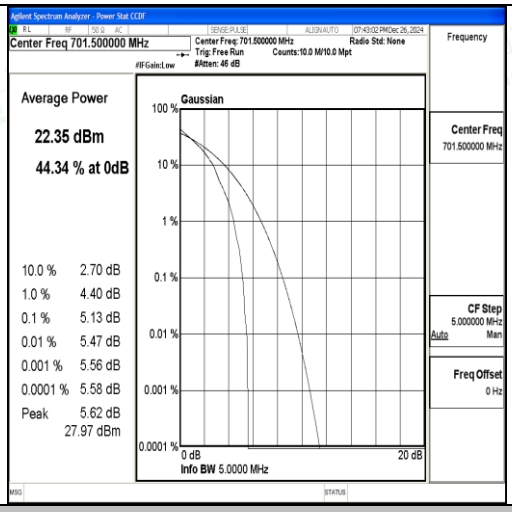

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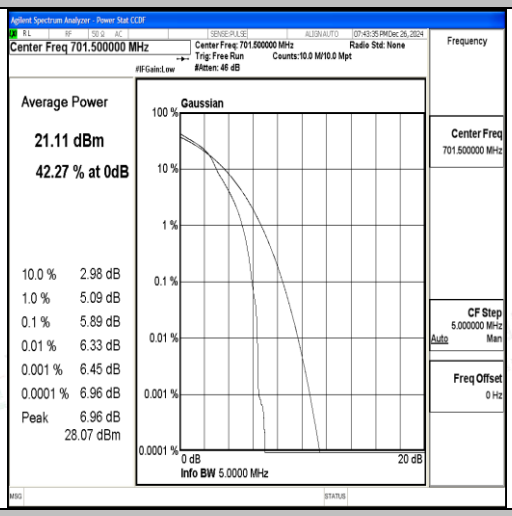

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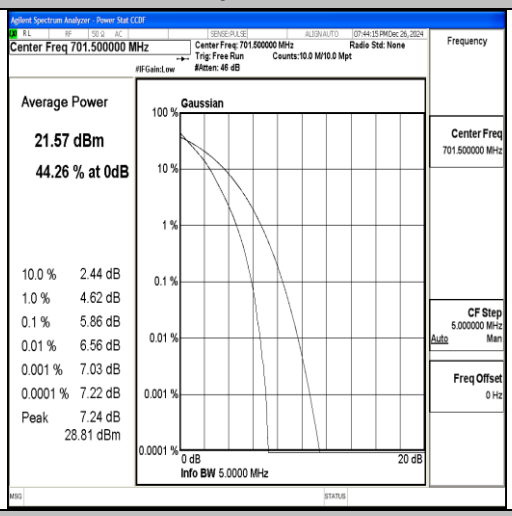

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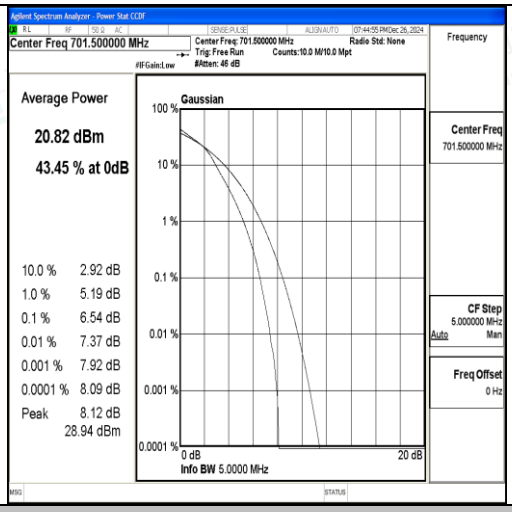
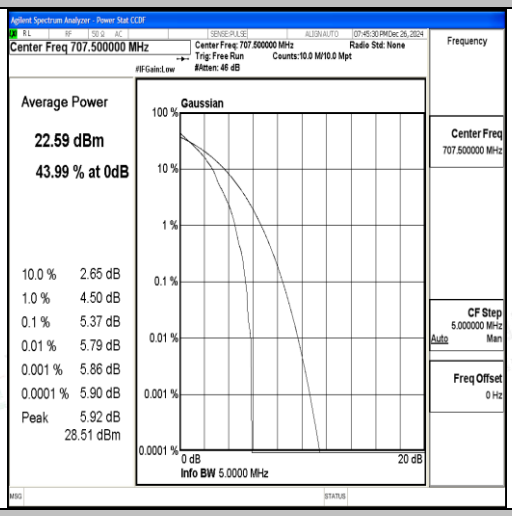
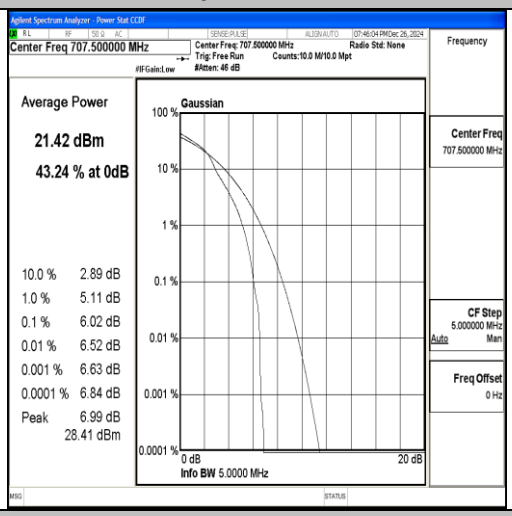


Band12-5MHz-16QAM-23035-25RB#0-PASS



Band12-5MHz-QPSK-23095-1RB#0-PASS



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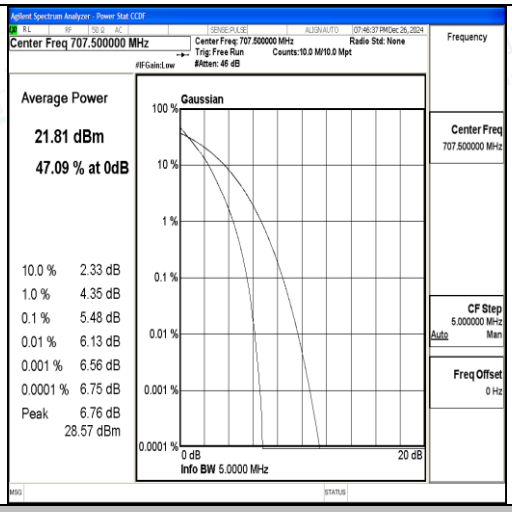

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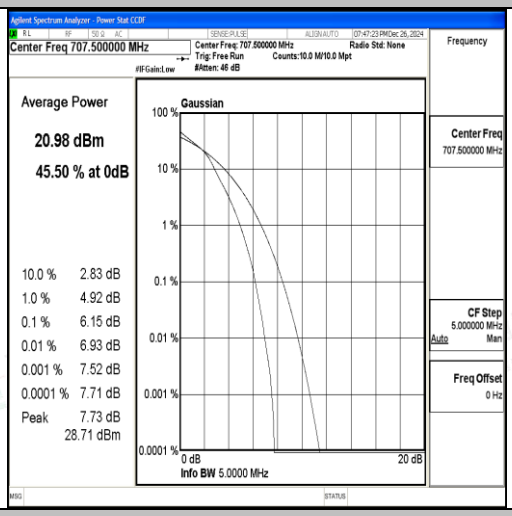

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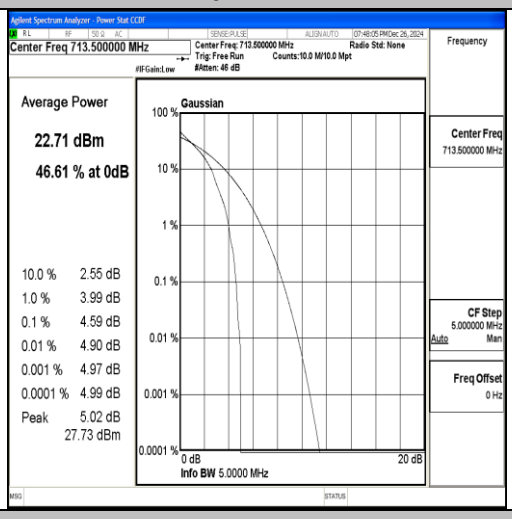
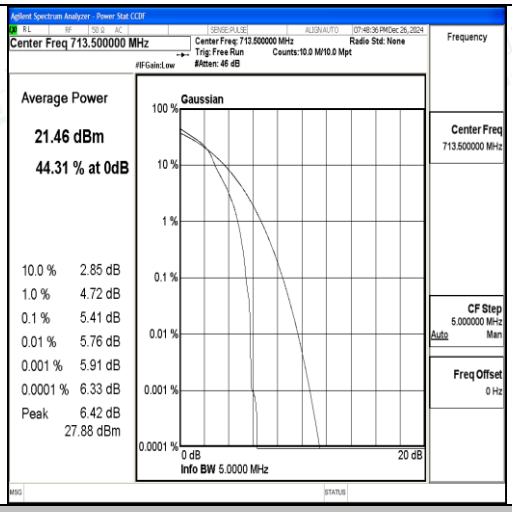


Band12-5MHz-QPSK-23155-1RB#0-PASS



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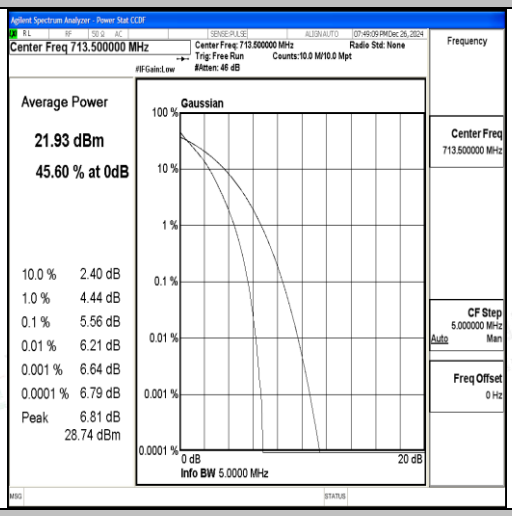

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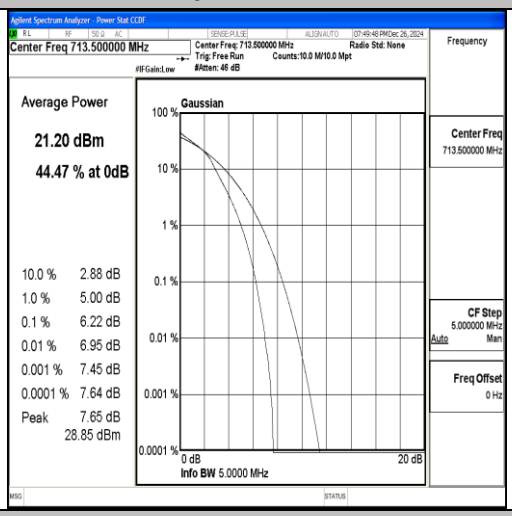

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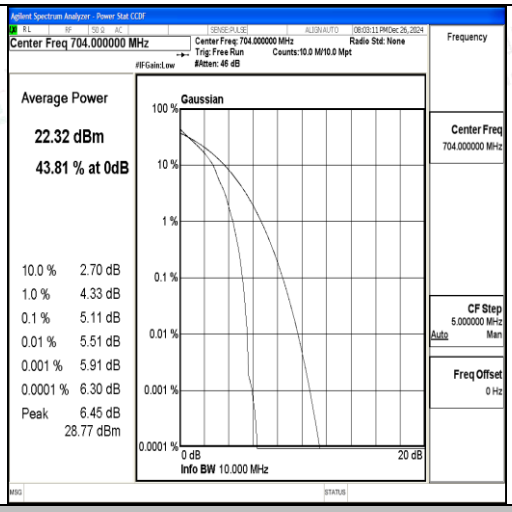
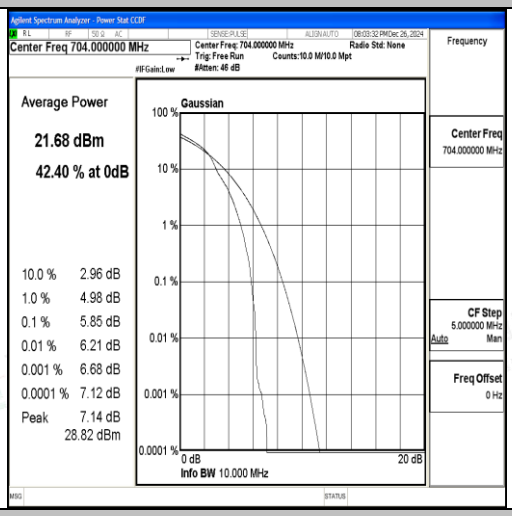
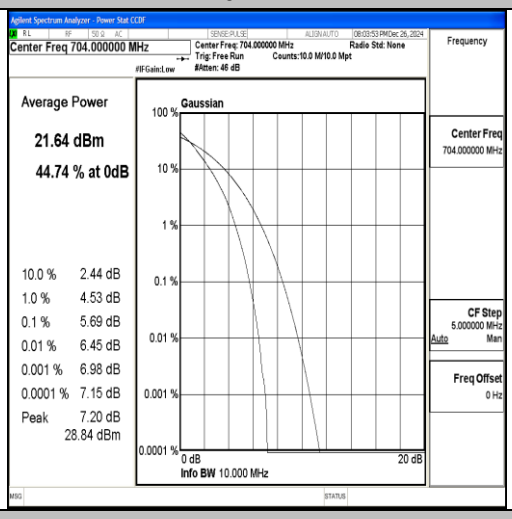


Band12-10MHz-QPSK-23060-1RB#0-PASS



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



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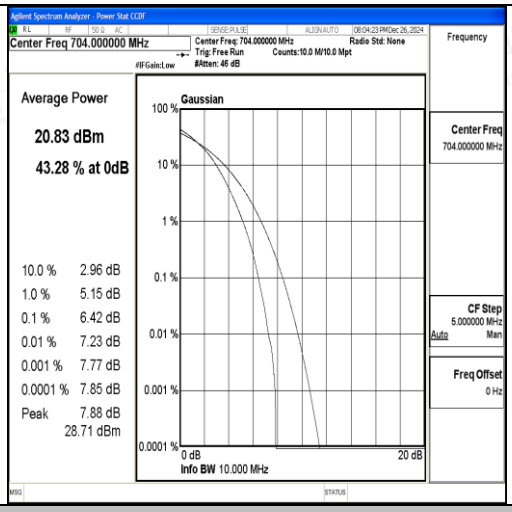

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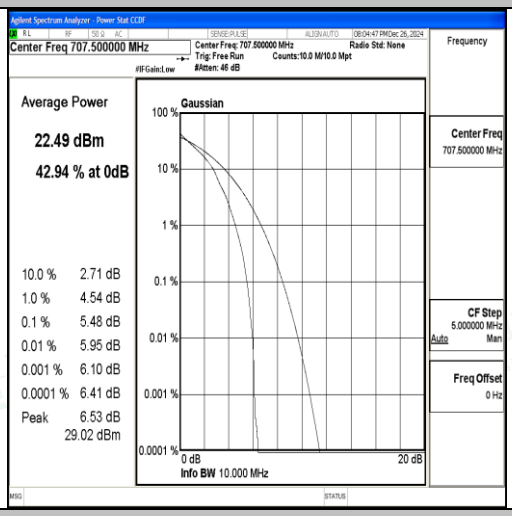

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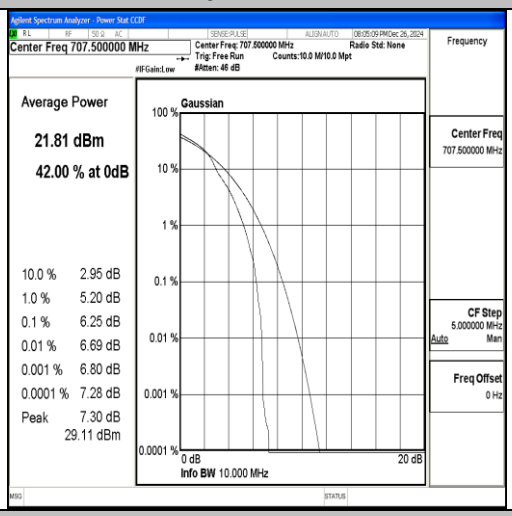

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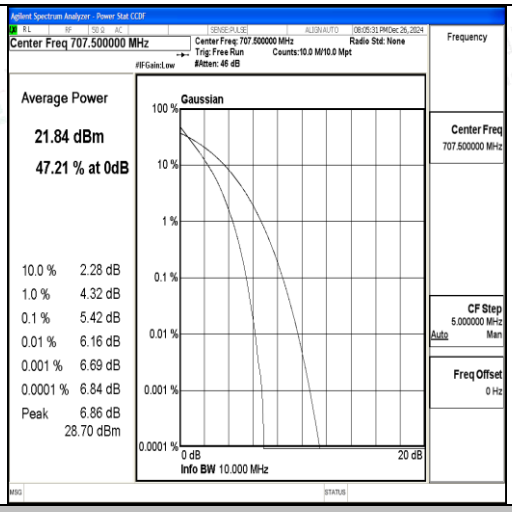

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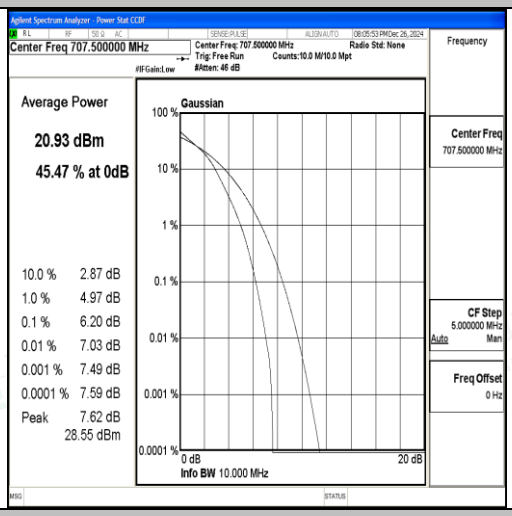
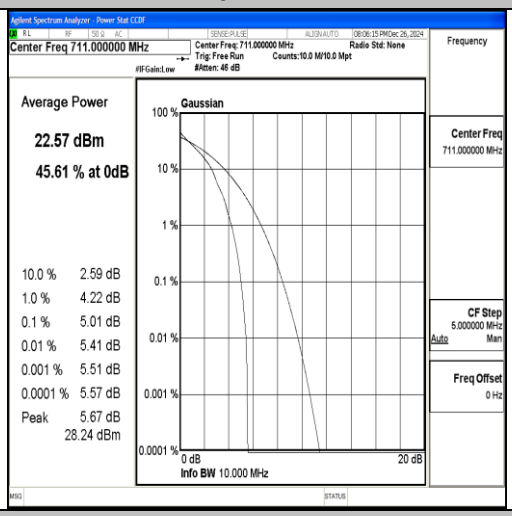
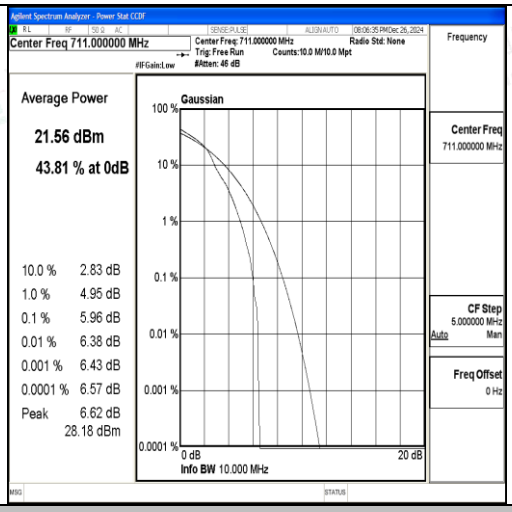


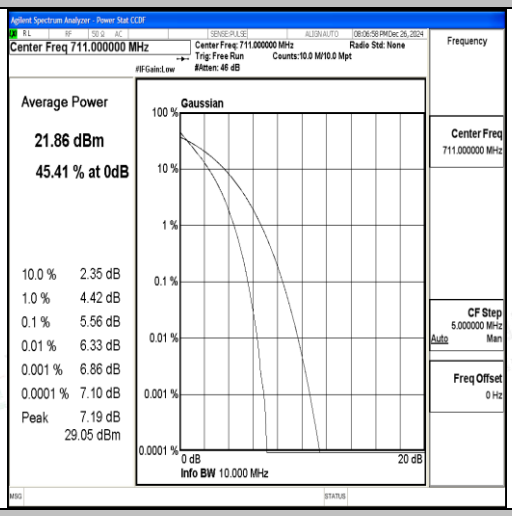
Band12-10MHz-16QAM-23095-50RB#0-PASS



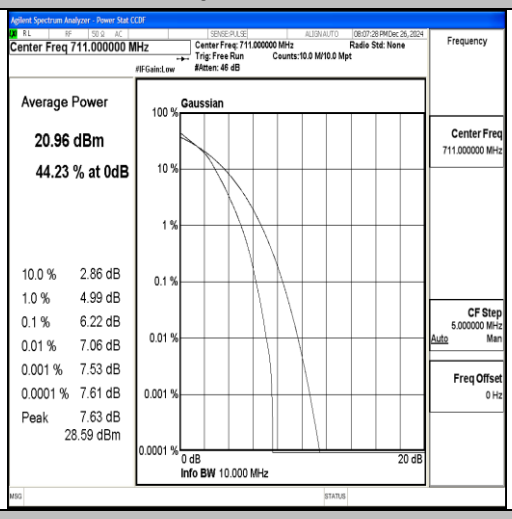
Band12-10MHz-QPSK-23130-1RB#0-PASS



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



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



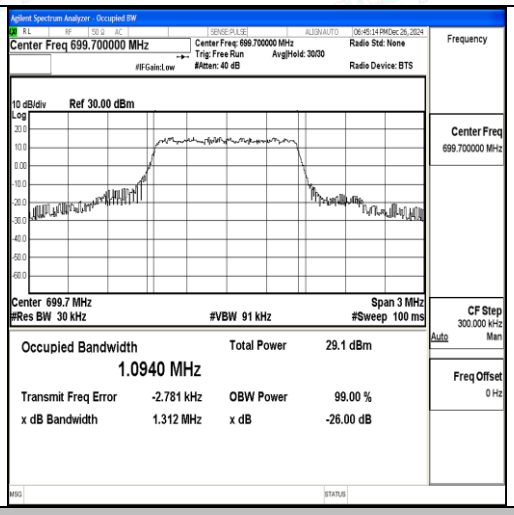
Band12-10MHz-16QAM-23130-50RB#0-PASS

L.3 26dB Bandwidth and Occupied Bandwidth

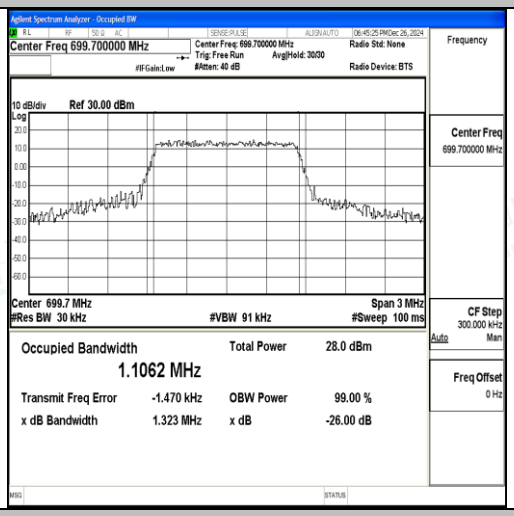
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0940	1.312	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1062	1.323	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0946	1.278	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0990	1.294	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0925	1.285	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1013	1.286	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7693	3.433	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7628	3.296	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7696	3.299	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7437	3.214	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7821	3.427	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7667	3.610	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5387	5.349	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5332	5.453	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5127	5.239	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5046	5.237	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5322	5.442	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5257	5.327	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9750	9.954	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9961	10.01	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9572	9.920	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9570	9.945	PASS
Band12	10MHz	QPSK	23130	50RB#0	9.0142	10.20	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9964	10.11	PASS

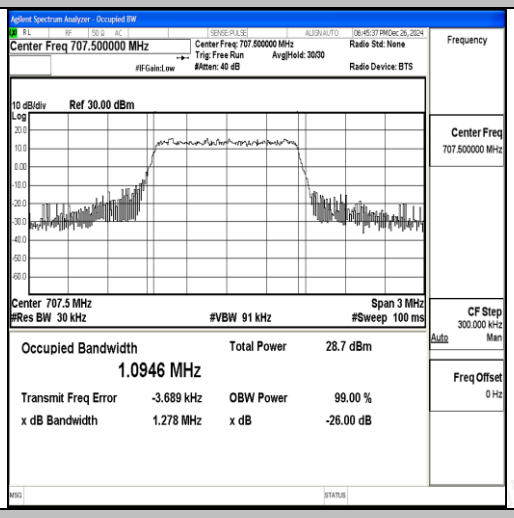
Test Graphs



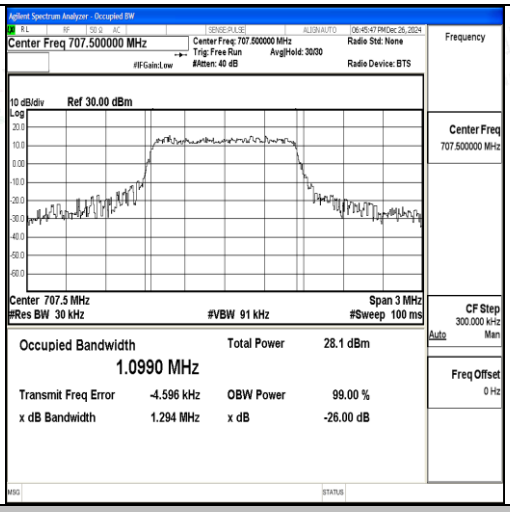
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



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



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



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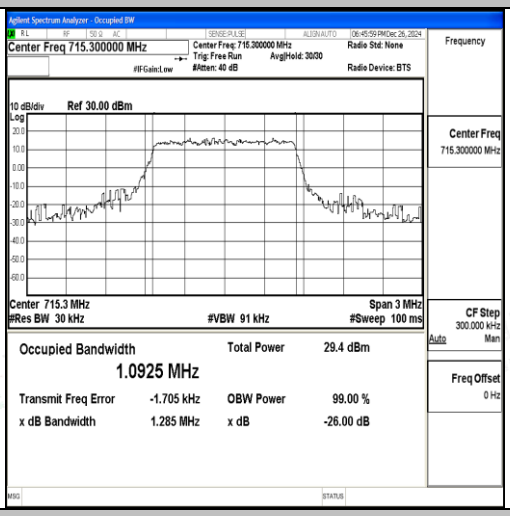
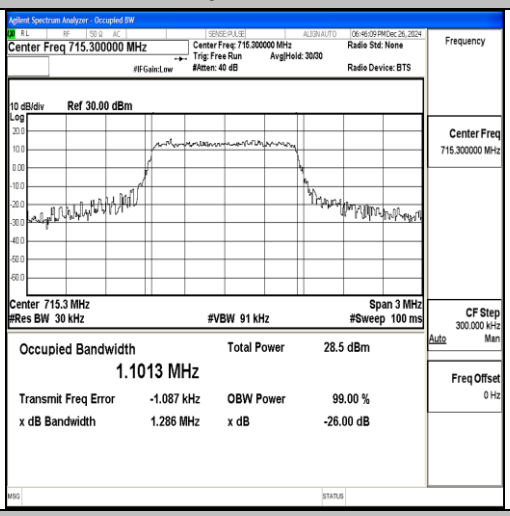
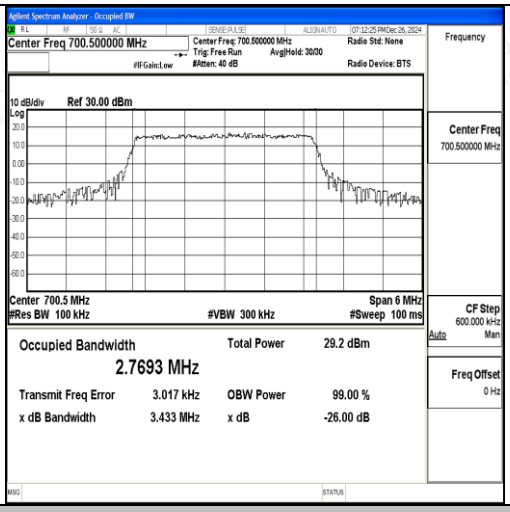


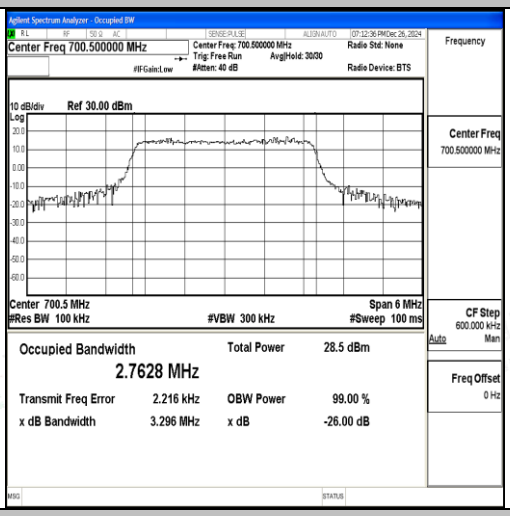
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



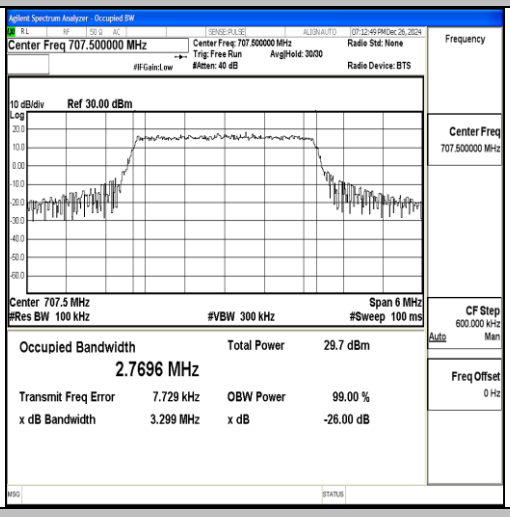
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



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



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



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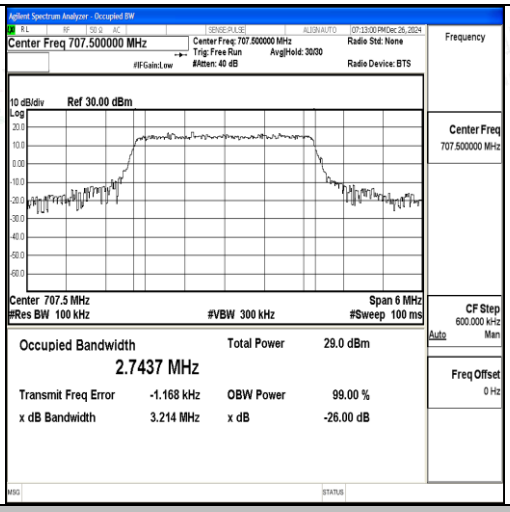
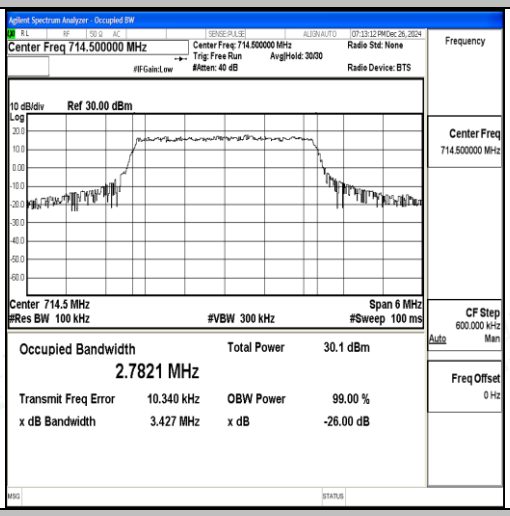
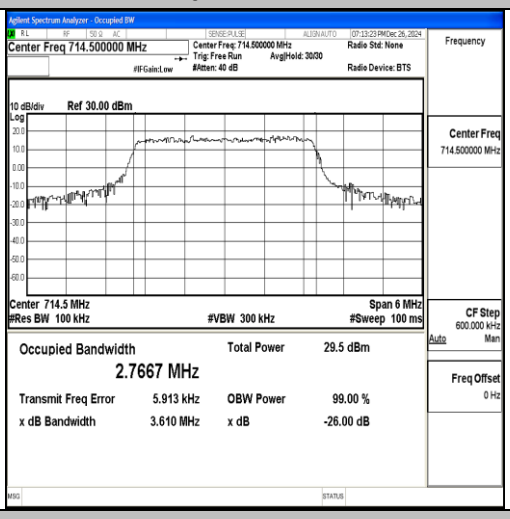


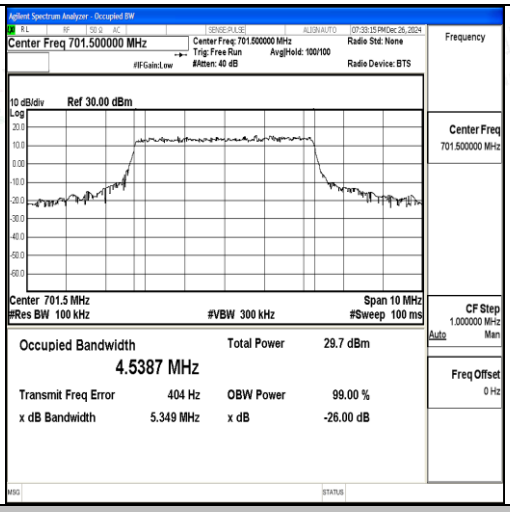
Band12-3MHz-16QAM-23095-15RB#0-PASS



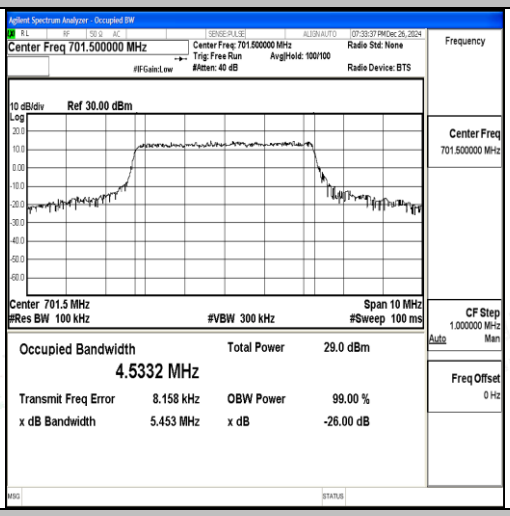
Band12-3MHz-QPSK-23165-15RB#0-PASS



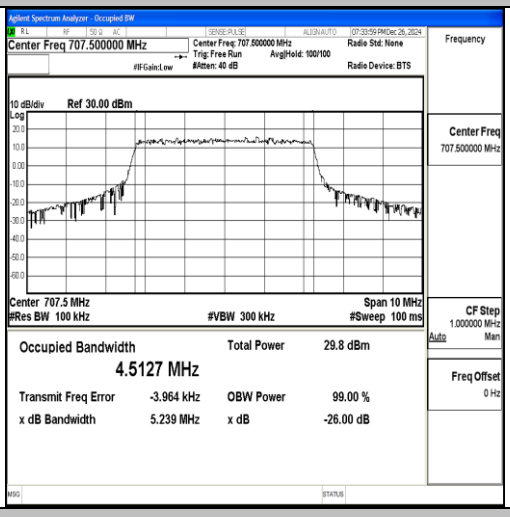
Band12-3MHz-16QAM-23165-15RB#0-PASS



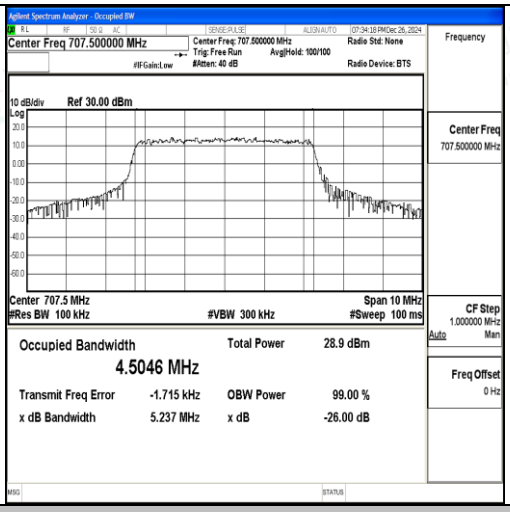
Band12-5MHz-QPSK-23035-25RB#0-PASS



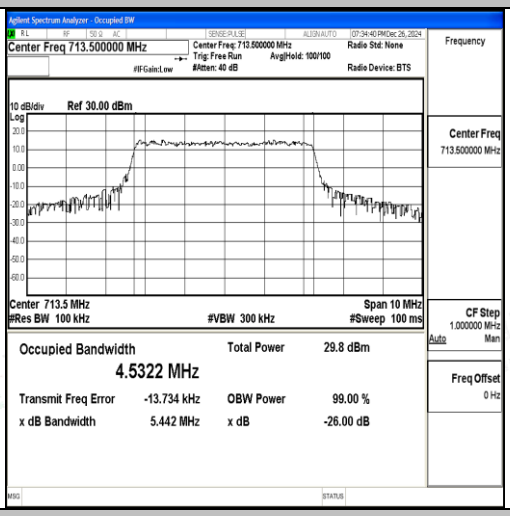
Band12-5MHz-16QAM-23035-25RB#0-PASS



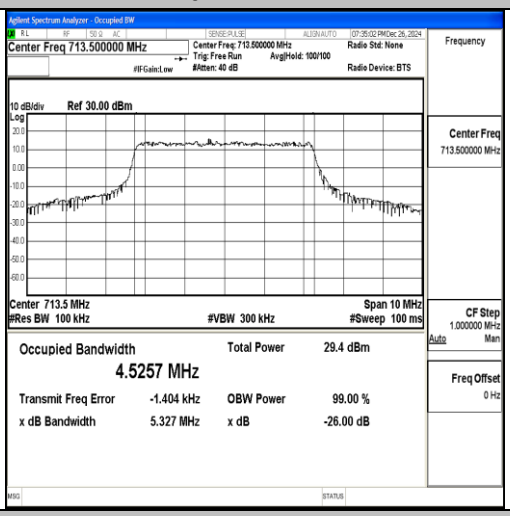
Band12-5MHz-QPSK-23095-25RB#0-PASS



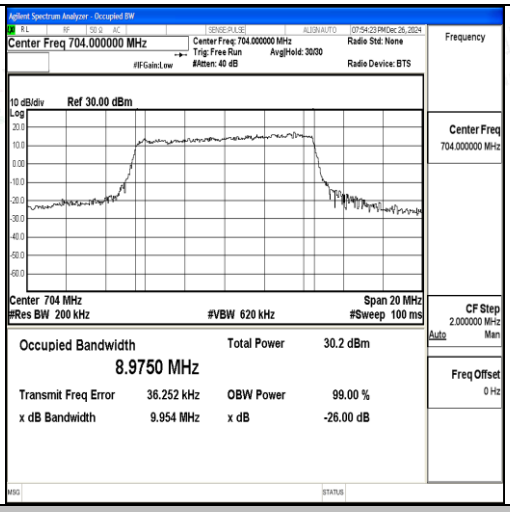
Band12-5MHz-16QAM-23095-25RB#0-PASS



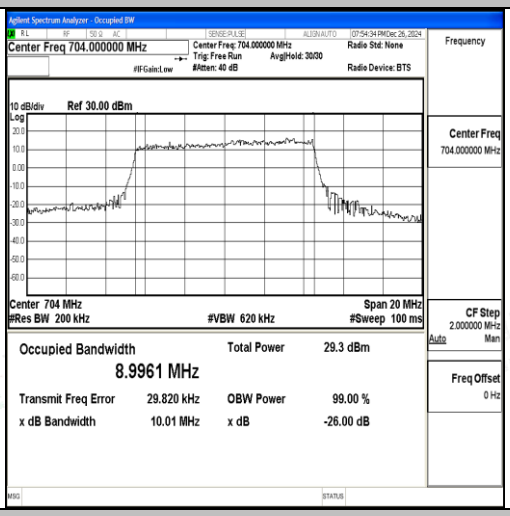
Band12-5MHz-QPSK-23155-25RB#0-PASS



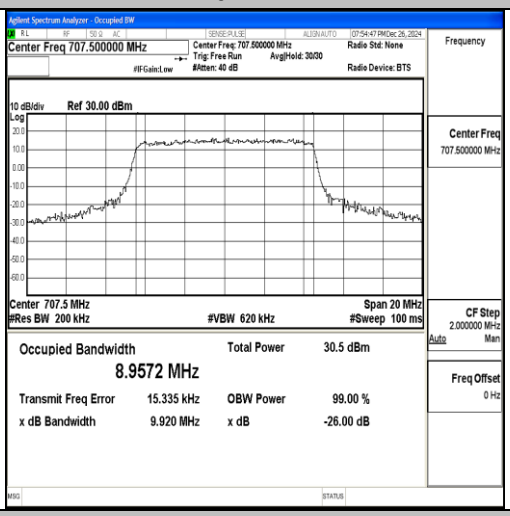
Band12-5MHz-16QAM-23155-25RB#0-PASS



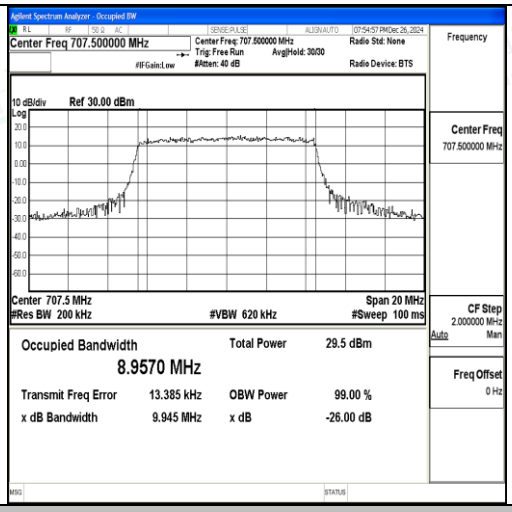
Band12-10MHz-QPSK-23060-50RB#0-PASS



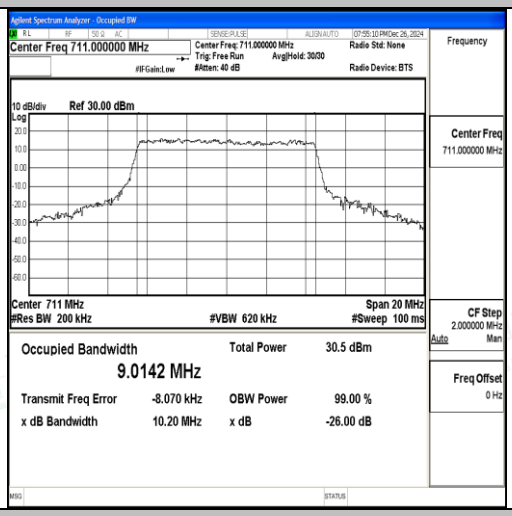
Band12-10MHz-16QAM-23060-50RB#0-PASS



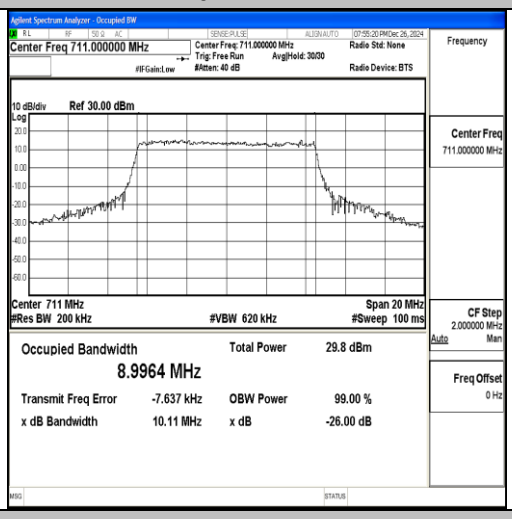
Band12-10MHz-QPSK-23095-50RB#0-PASS



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



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



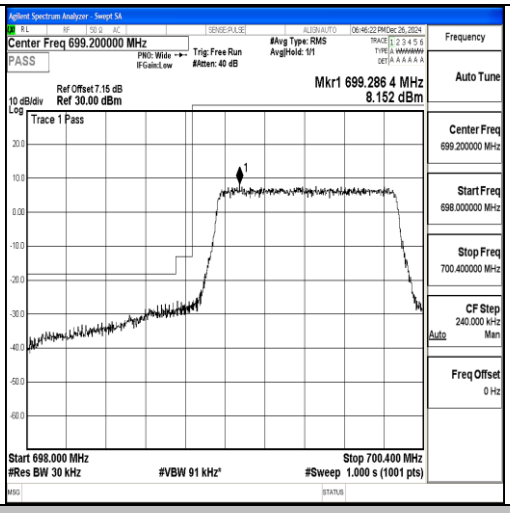
Band12-10MHz-16QAM-23130-50RB#0-PASS

L.4 Band Edge

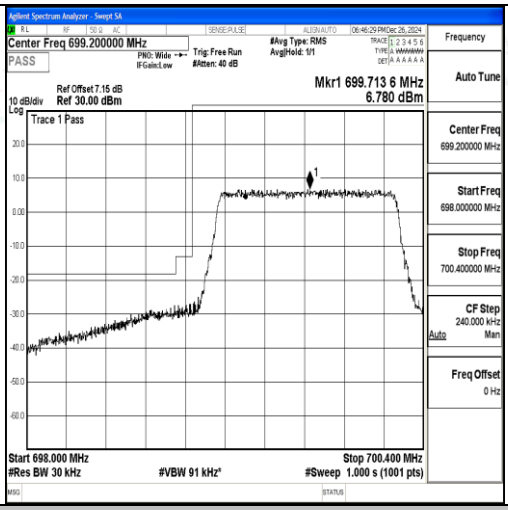
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.89	-26.67	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.90	-27.55	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.15	-29.16	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.15	-30.48	PASS
Band12	3MHz	QPSK	23025	15RB#0	698.90	-29.18	PASS
Band12	3MHz	16QAM	23025	15RB#0	699.00	-24.53	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.00	-24.16	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.00	-25.18	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.71	-31.53	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.88	-32.70	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.21	-35.41	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.11	-34.51	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.77	-36.79	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.24	-38.06	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.12	-40.48	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.11	-41.18	PASS

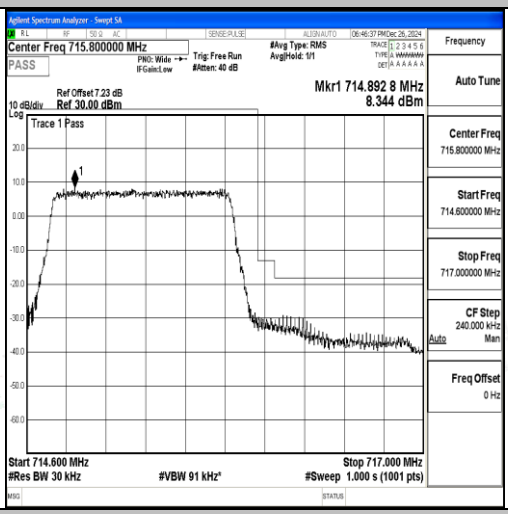
Test Graphs



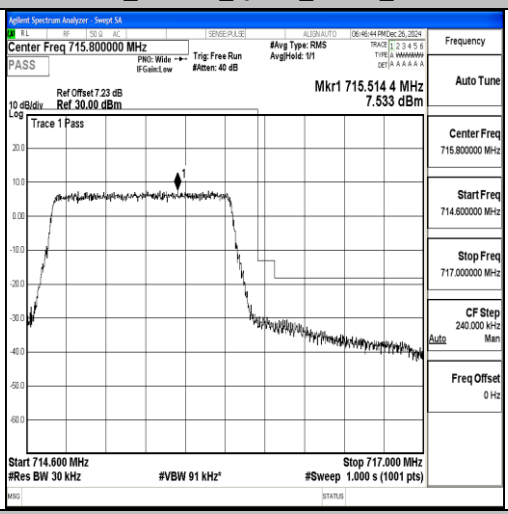
Band12_1.4MHz_QPSK_23017_6RB#0



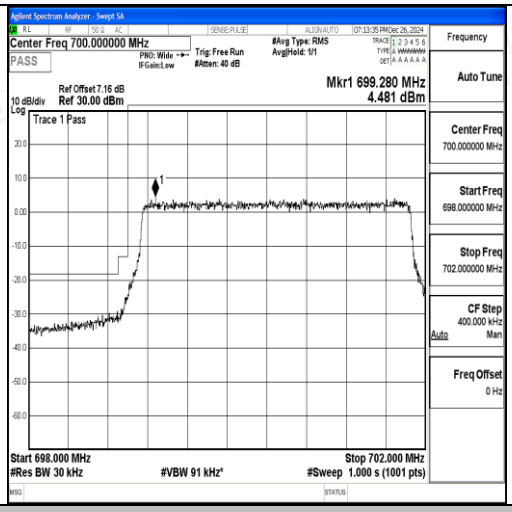
Band12_1.4MHz_16QAM_23017_6RB#0



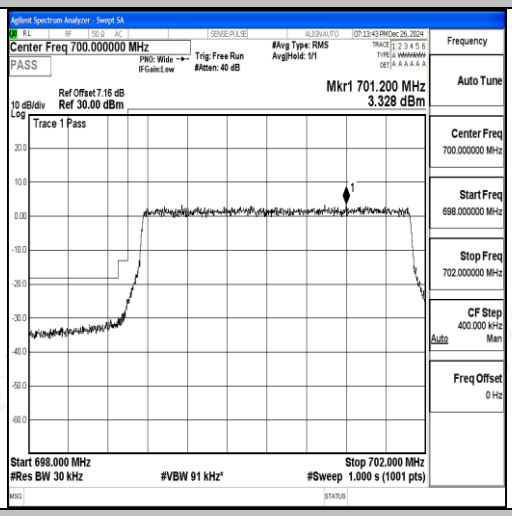
Band12_1.4MHz_QPSK_23173_6RB#0



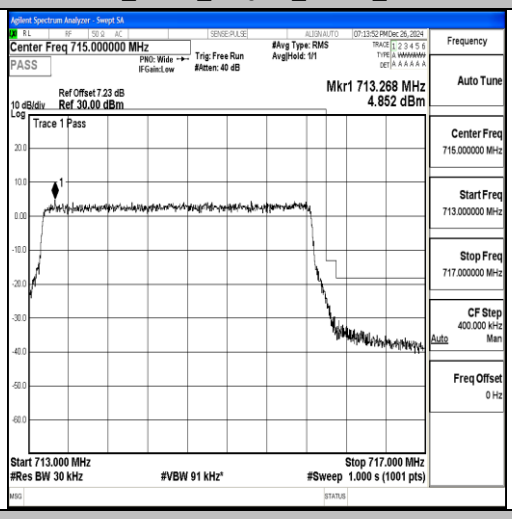
Band12_1.4MHz_16QAM_23173_6RB#0



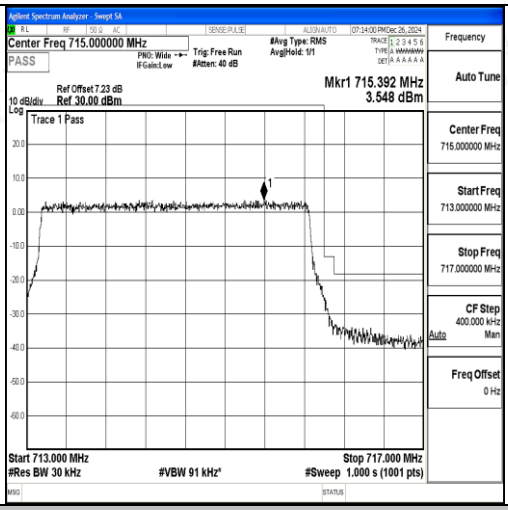
Band12_3MHz_QPSK_23025_15RB#0



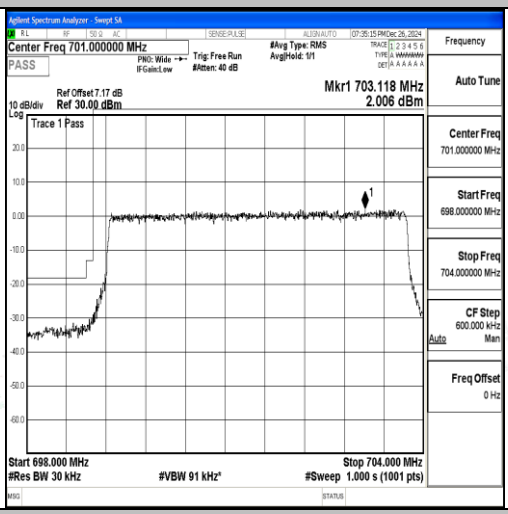
Band12_3MHz_16QAM_23025_15RB#0



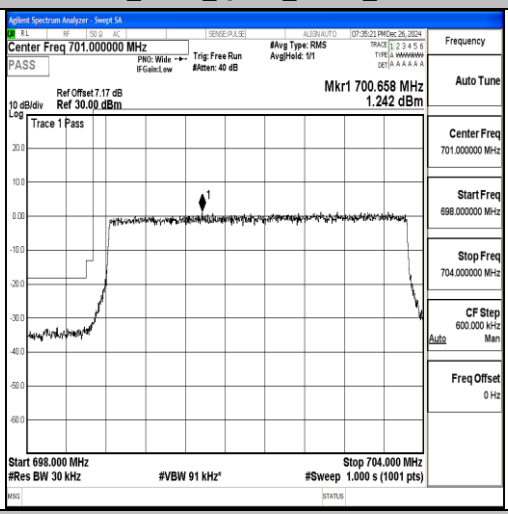
Band12_3MHz_QPSK_23165_15RB#0



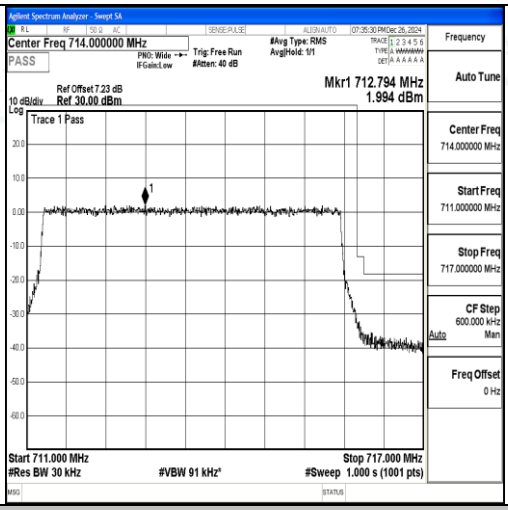
Band12_3MHz_16QAM_23165_15RB#0



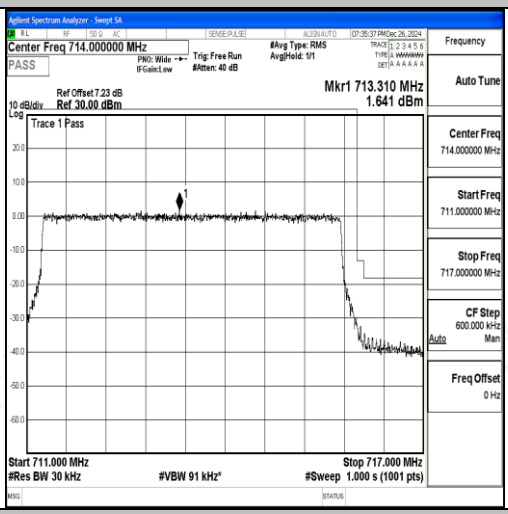
Band12_5MHz_QPSK_23035_25RB#0



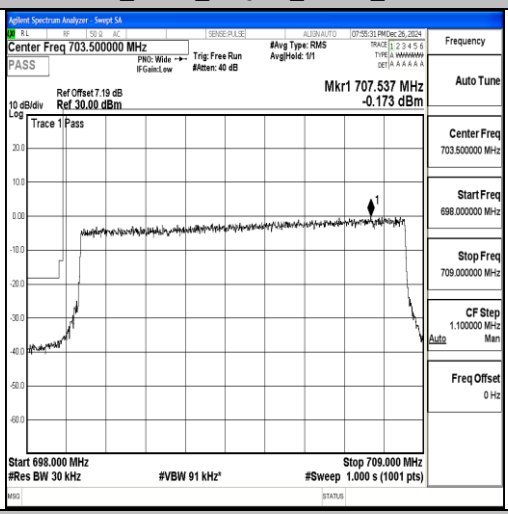
Band12_5MHz_16QAM_23035_25RB#0



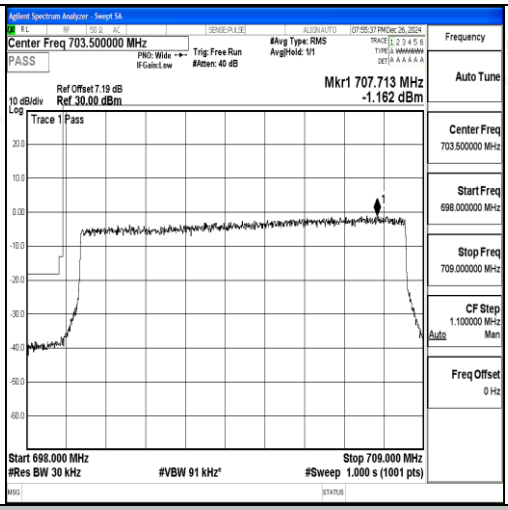
Band12_5MHz_QPSK_23155_25RB#0



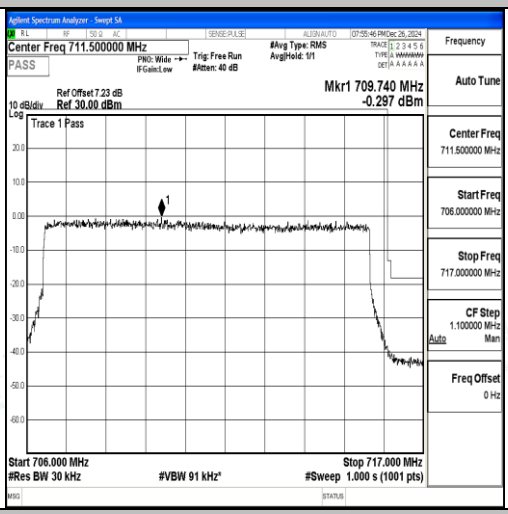
Band12_5MHz_16QAM_23155_25RB#0



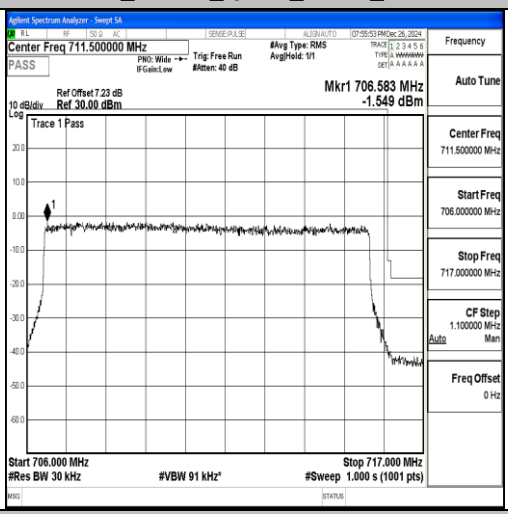
Band12_10MHz_QPSK_23060_50RB#0



Band12_10MHz_16QAM_23060_50RB#0



Band12_10MHz_QPSK_23130_50RB#0



Band12_10MHz_16QAM_23130_50RB#0

L.5 Conducted Spurious Emission

Test Result

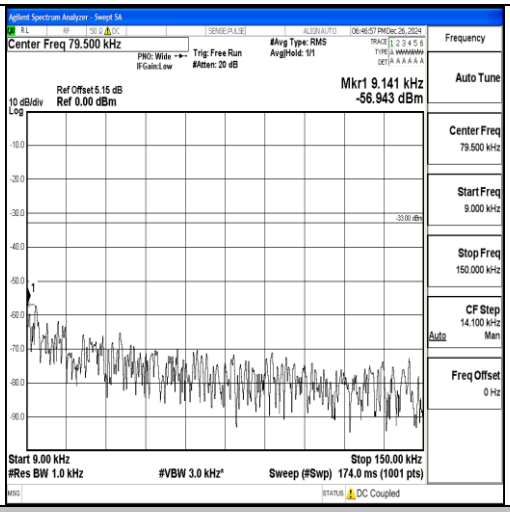
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	0.009~0.15	-56.94	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-51.29	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-44.71	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-44.21	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-57.06	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-51.99	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-47.04	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-45.99	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-44.16	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-57.55	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-52.87	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-45.51	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-43.95	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-44.09	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-59.55	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-53.96	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-44.21	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-44.54	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-59.57	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-53.54	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-46.64	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-45.02	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-44.35	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-57.15	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-52.24	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-50.29	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-45.55	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-43.88	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-56.63	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-53.53	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-48.21	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-45.89	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-44.34	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-58.81	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-53.12	PASS

Band12	3MHz	QPSK	23095	1RB#0	30~1000	-50.84	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-45.65	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-44.30	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-57.28	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-50.53	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-52.75	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-47.65	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-43.89	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-55.01	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-52.68	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-49.81	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-44.80	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-44.17	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-56.24	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-53.16	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-52.28	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-44.69	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-44.00	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-55.57	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-52.82	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-58.68	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-45.92	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-44.41	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-59.01	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-51.53	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-58.42	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-46.17	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-43.27	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-56.62	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-51.15	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-60.18	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-39.67	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-43.68	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-56.57	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-52.59	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-60.72	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-47.30	PASS
Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-44.23	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-56.16	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-54.06	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-58.79	PASS

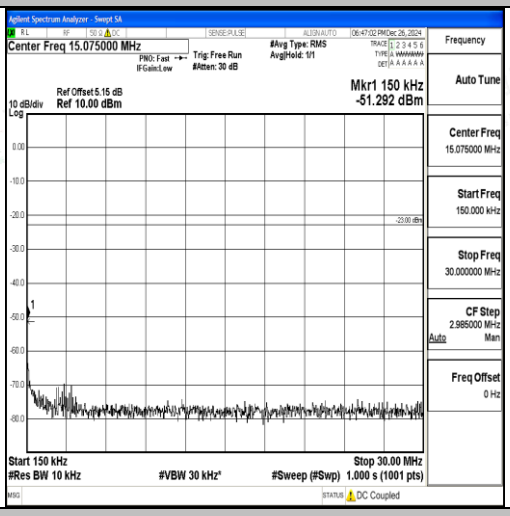
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-45.09	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-43.88	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-57.85	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-53.02	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-61.46	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-45.91	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-44.22	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-58.29	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-52.00	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-62.16	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-46.83	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-44.12	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-56.05	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-52.50	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-61.91	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-46.01	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-44.25	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-58.46	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-52.52	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-61.86	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-46.02	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-44.19	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-57.51	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-50.04	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-62.10	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-45.90	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-44.33	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-58.93	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-50.94	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-62.29	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-46.83	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-44.26	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-57.33	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-52.43	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-62.34	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-47.63	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-44.24	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-45.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-45.50	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-44.19	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-60.18	PASS

Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-51.89	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-46.24	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-44.15	PASS

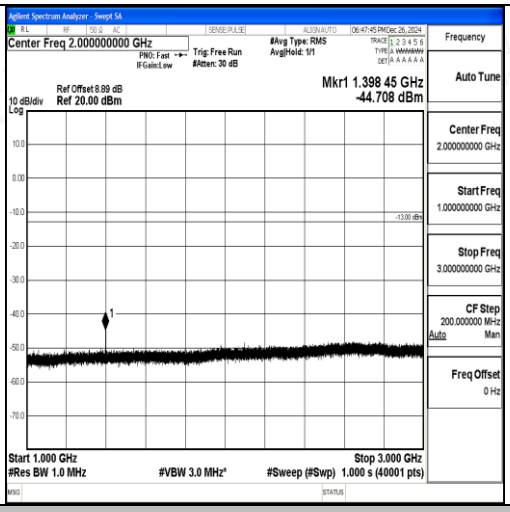
Test Graphs



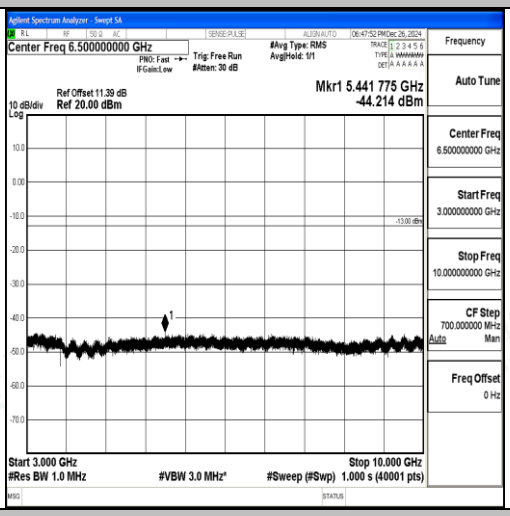
Band12_1.4MHz_QPSK_23017_1RB#0_0.009~0.15_0.009~0.15



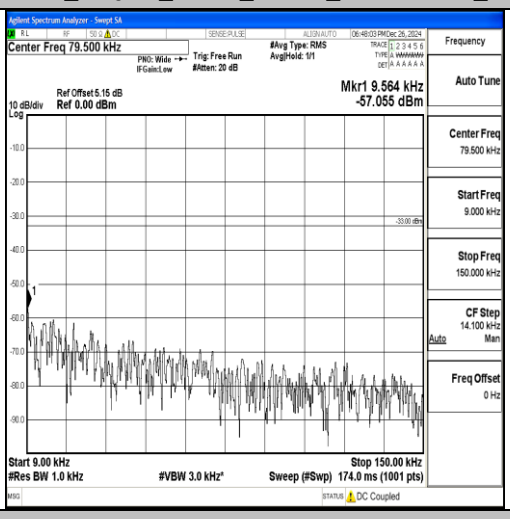
Band12_1.4MHz_QPSK_23017_1RB#0_0.15~30_0.15~30



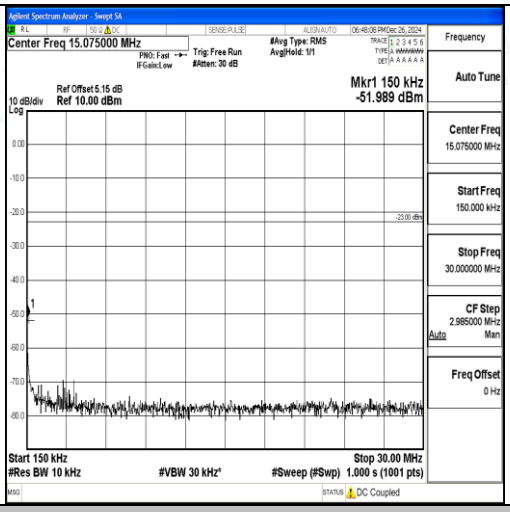
Band12_1.4MHz_16QAM_23017_1RB#0_1000~3000_1000~3000



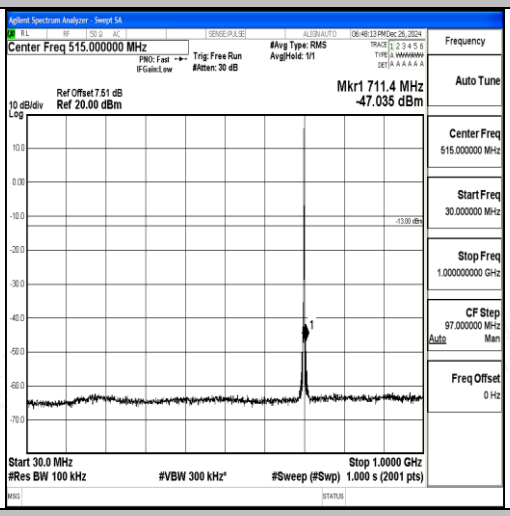
Band12_1.4MHz_16QAM_23017_1RB#0_3000~10000_3000~10000



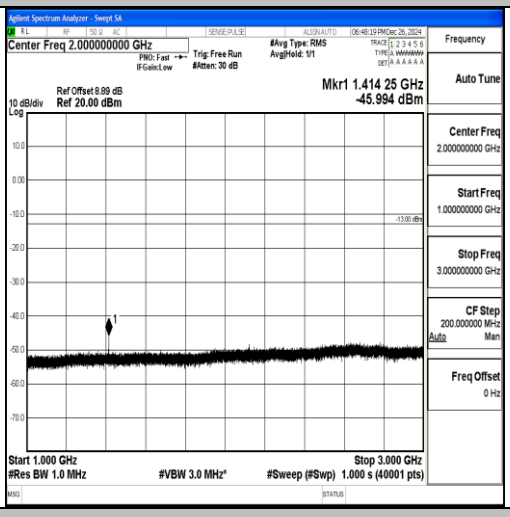
Band12_1.4MHz_QPSK_23095_1RB#0_0.009~0.15_0.009~0.15



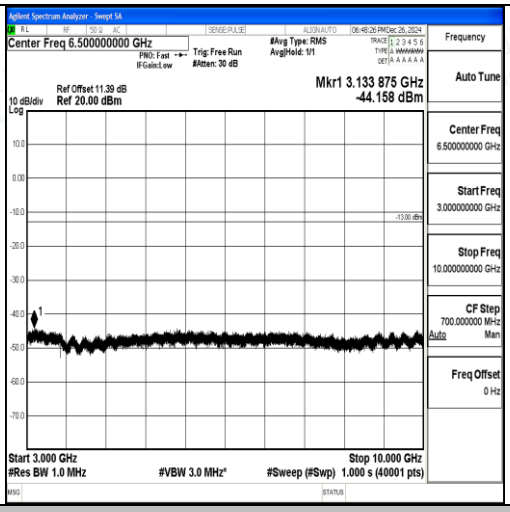
Band12_1.4MHz_QPSK_23095_1RB#0_0.15~30_0.15~30



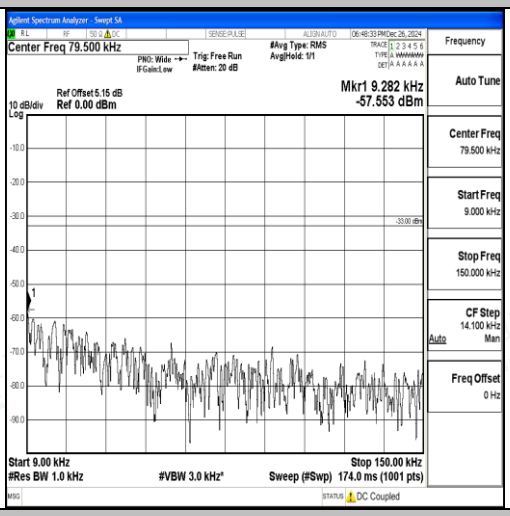
Band12_1.4MHz_QPSK_23095_1RB#0_30~1000_30~1000



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



Band12_1.4MHz_QPSK_23095_1RB#0_3000~10000_3000~10000



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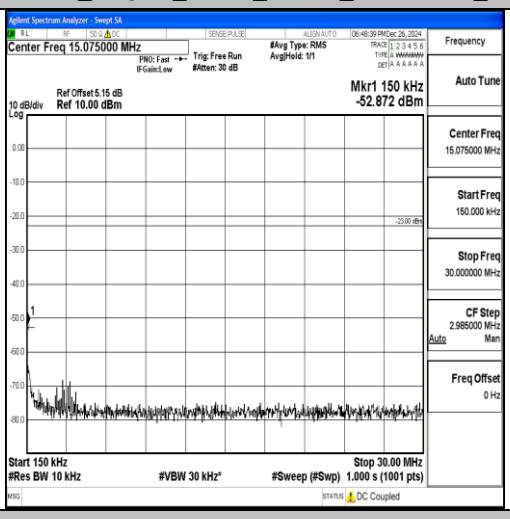
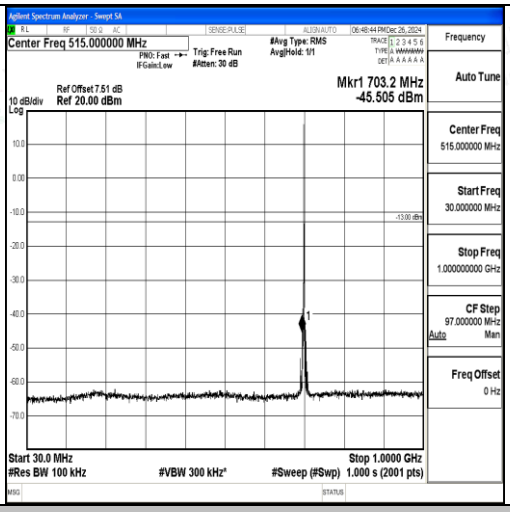
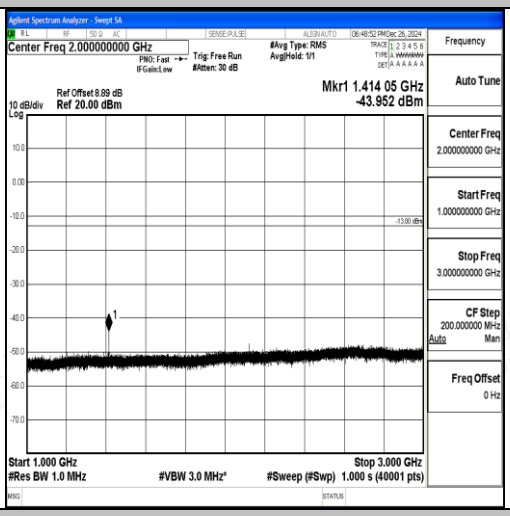


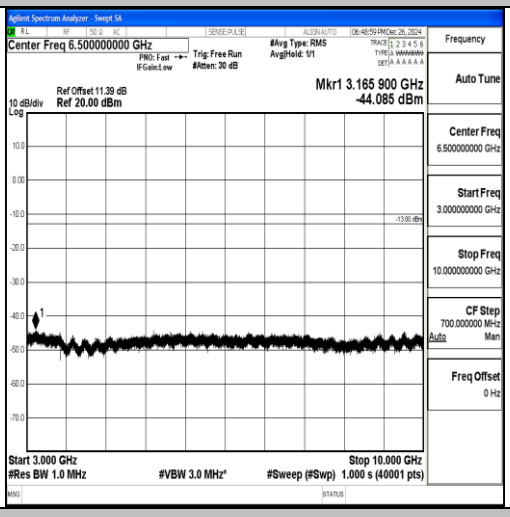
Band12_1.4MHz_16QAM_23095_1RB#0_0.15~30_0.15~30



Band12_1.4MHz_16QAM_23095_1RB#0_30~1000_30~1000



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



Band12_1.4MHz_16QAM_23095_1RB#0_3000~10000_3000~10000