Appendix E: Test Data for E-UTRA Band 12

Product Name: Pet GPS Tracker & Health Monitor

Test Model: C09

Environmental Conditions

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

E.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.32	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.62	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.33	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.63	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.33	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.94	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.57	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.47	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.57	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.50	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.58	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.43	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.47	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.82	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.25	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.80	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.24	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.89	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.21	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.82	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.30	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.92	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.31	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.49	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.32	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.50	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.34	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.68	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.19	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.79	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.17	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	21.80	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.21	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.16	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.21	PASS

Band12	1.4MHz	16QAM	23173	3RB#0	22.40	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.20	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.40	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.28	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.39	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.33	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.47	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.94	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.88	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.84	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.00	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.79	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.04	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.05	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.41	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.11	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.42	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.99	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.35	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.99	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.27	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.88	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.59	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.84	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.56	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.96	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.91	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.77	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.17	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.78	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.17	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.80	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.24	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.87	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.87	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.73	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.19	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.65	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.08	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.53	PASS

Band12	3MHz	16QAM	23165	1RB#14	22.43	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.68	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.03	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.69	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.03	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.72	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.89	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.74	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.88	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.42	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.87	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.35	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.95	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.45	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.78	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.38	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.59	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.38	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.63	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.33	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.51	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.42	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.57	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.17	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.57	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.01	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.53	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.03	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.50	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.18	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.53	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.19	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.48	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.25	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.46	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.26	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.43	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.00	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.84	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.93	PASS

Band12	5MHz	16QAM	23155	1RB#12	22.00	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.90	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.90	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.16	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.18	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.17	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.22	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.10	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.21	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.11	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.32	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.94	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.19	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.04	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.64	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.89	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.02	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.06	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.03	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.05	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.75	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.03	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.83	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.14	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.06	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.94	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.98	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.87	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.70	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.11	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.01	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.12	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.02	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.13	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.72	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.02	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.75	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.07	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.62	PASS

Band12	10MHz	16QAM	23130	1RB#0	22.66	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.56	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.52	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.43	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.40	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.71	PASS
Band12	10MHz	16QAM	23130	25RB#0	20.94	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.73	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.00	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.79	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.99	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.80	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.92	PASS

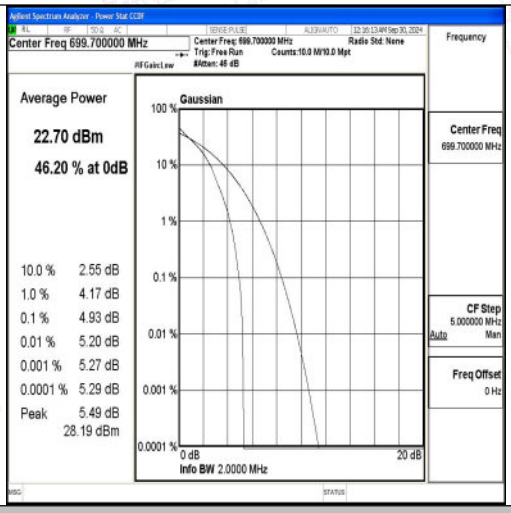
E.2 Peak-to-Average Ratio(CCDF)

Test Result

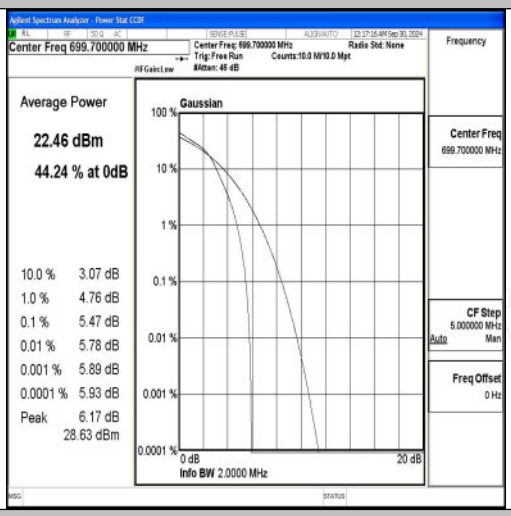
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.93	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.47	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.57	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.32	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.97	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.56	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.59	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.34	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.51	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.10	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.16	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.86	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.90	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.76	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.51	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.28	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.93	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.78	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.53	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.31	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.57	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.35	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.14	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.89	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.96	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.79	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.64	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.28	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.19	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.89	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.70	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.35	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.12	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.85	13	PASS

Band12	5MHz	QPSK	23155	25RB#0	5.49	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.16	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.08	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.84	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.68	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.38	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.98	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.89	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.63	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.34	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.91	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.70	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.53	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.24	13	PASS

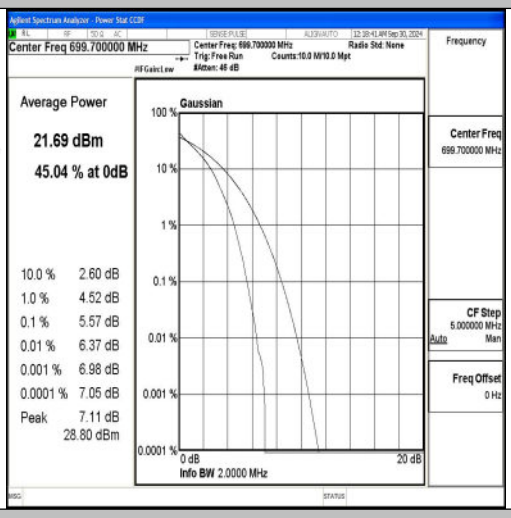
Test Graphs



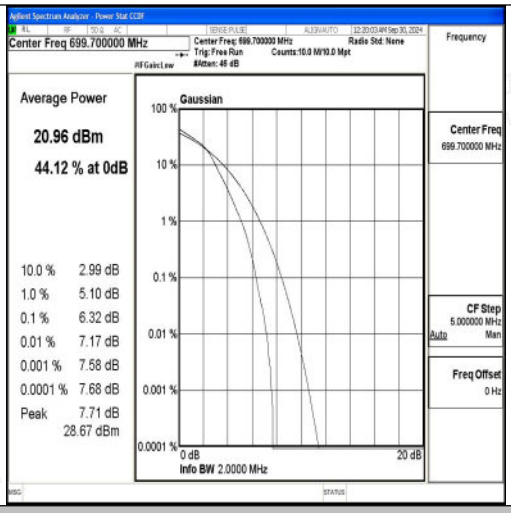
Band12-1.4MHz-QPSK-23017-1RB#0-PASS



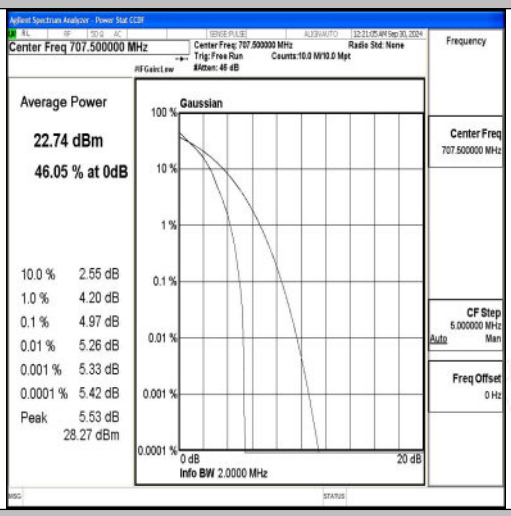
Band12-1.4MHz-16QAM-23017-1RB#0-PASS



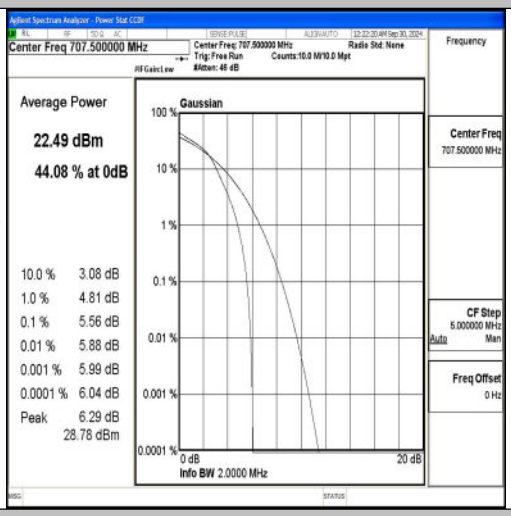
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



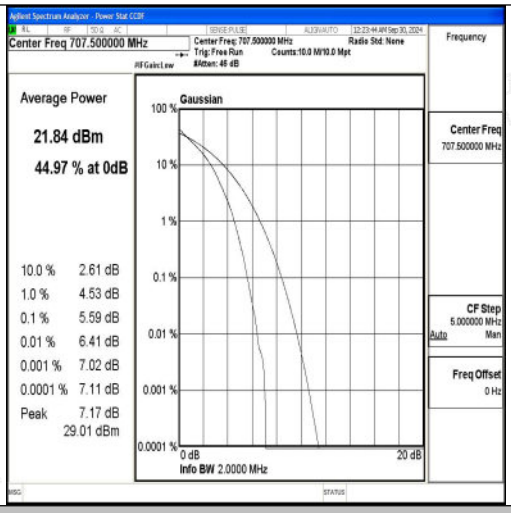
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



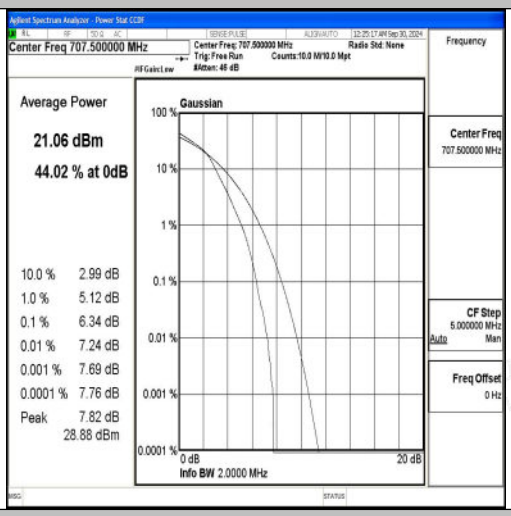
Band12-1.4MHz-QPSK-23095-1RB#0-PASS



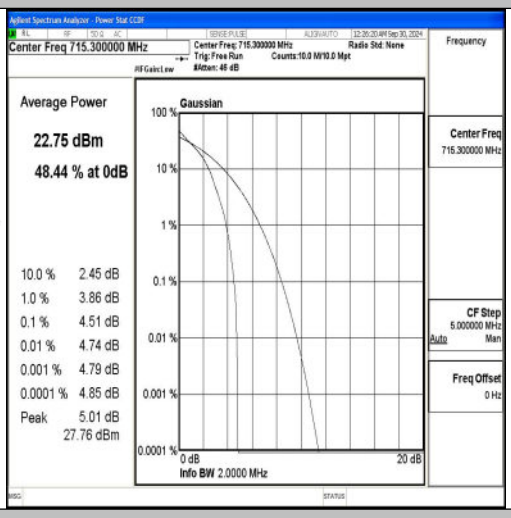
Band12-1.4MHz-16QAM-23095-1RB#0-PASS



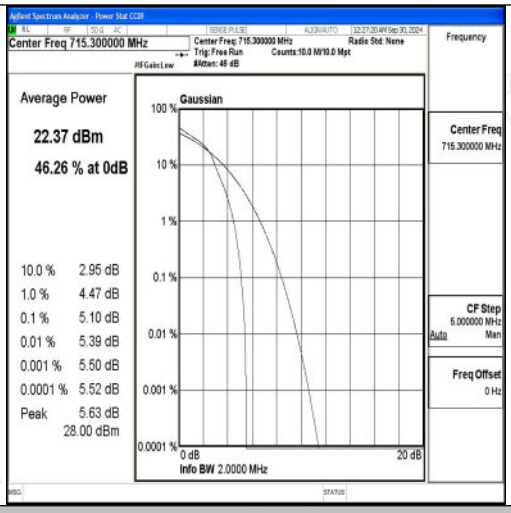
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



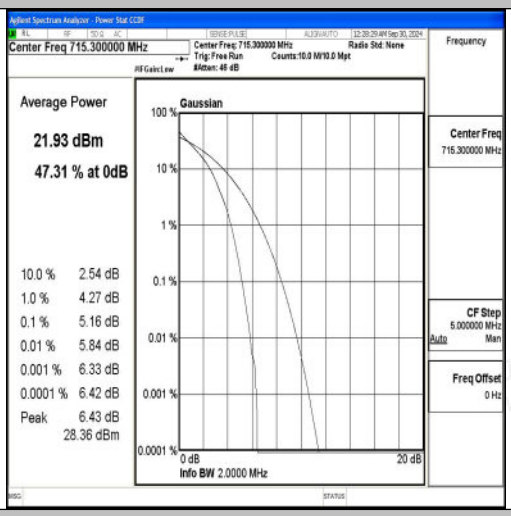
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



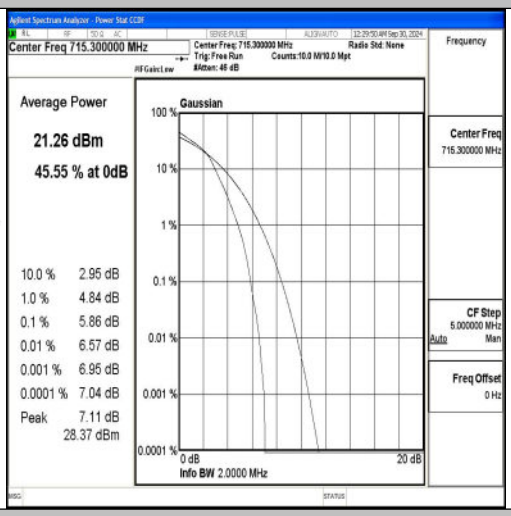
Band12-1.4MHz-QPSK-23173-1RB#0-PASS



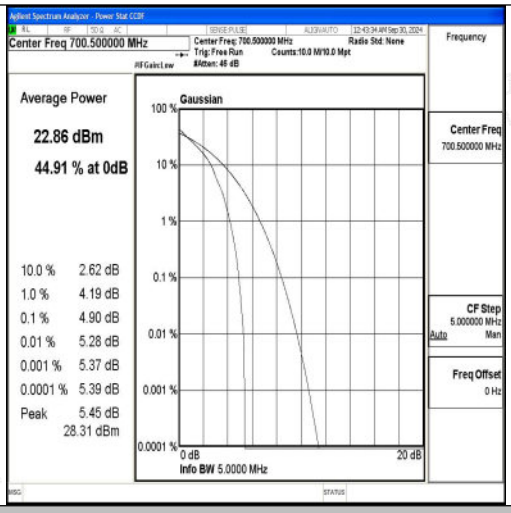
Band12-1.4MHz-16QAM-23173-1RB#0-PASS



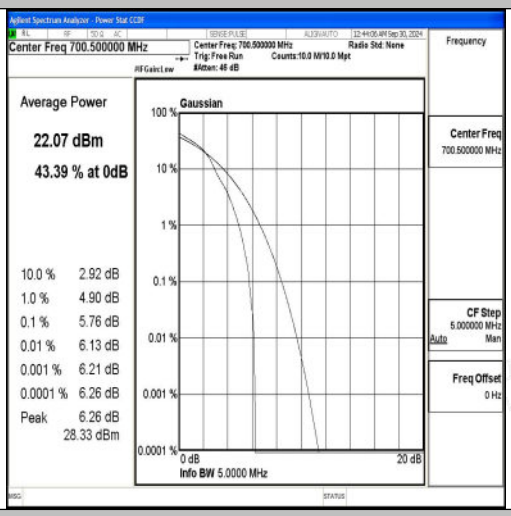
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



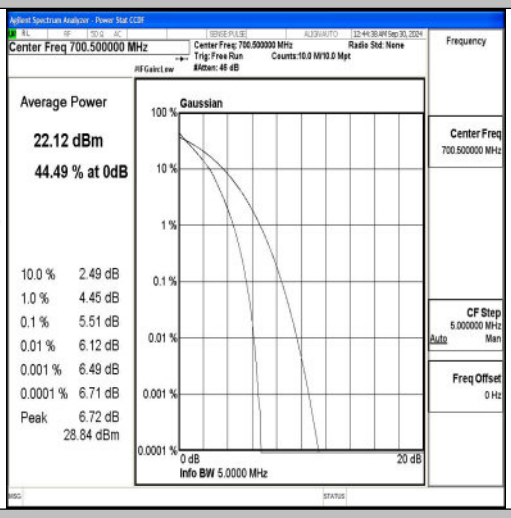
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



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



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



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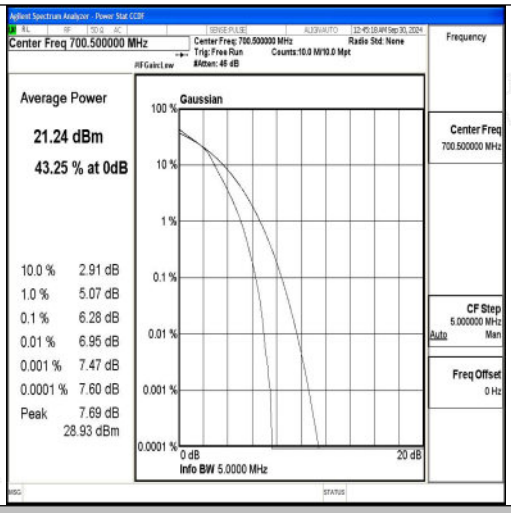

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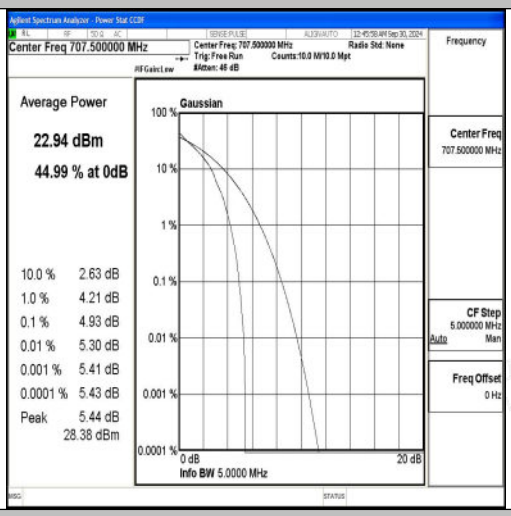
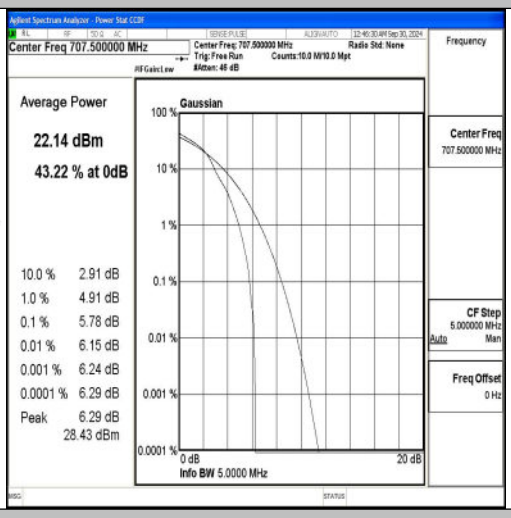


Band12-3MHz-QPSK-23095-1RB#0-PASS



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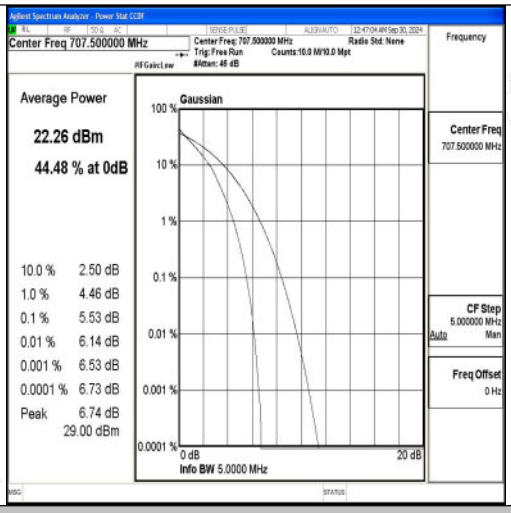

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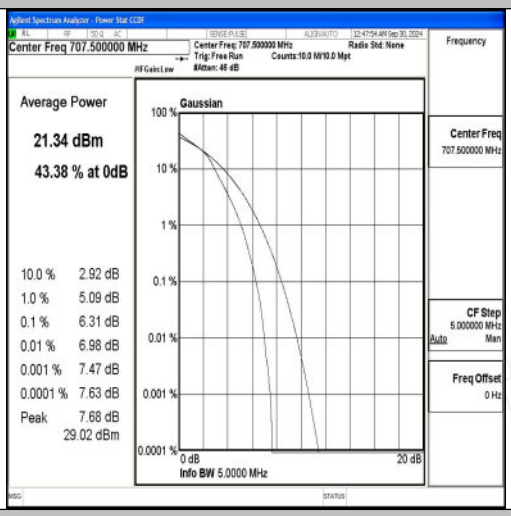
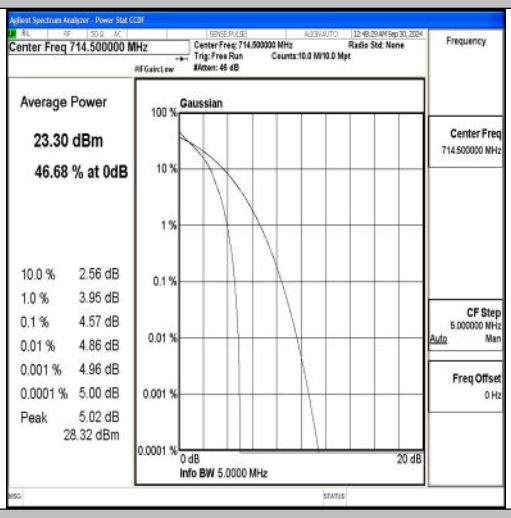


Band12-3MHz-16QAM-23095-15RB#0-PASS



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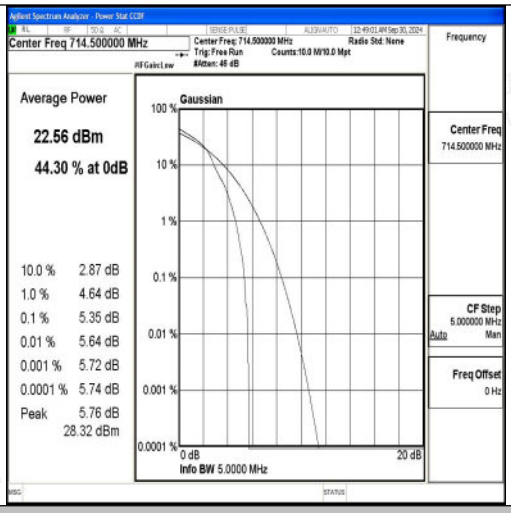

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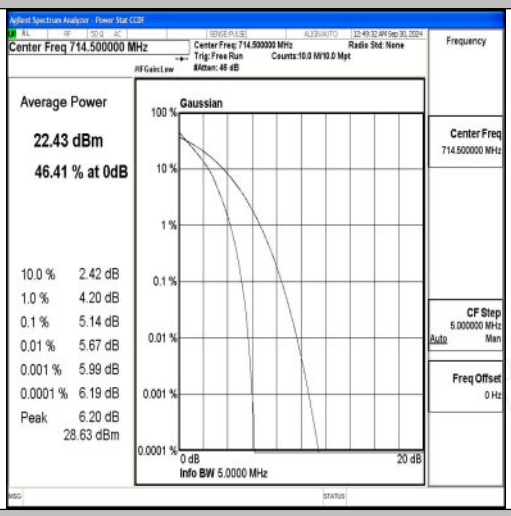

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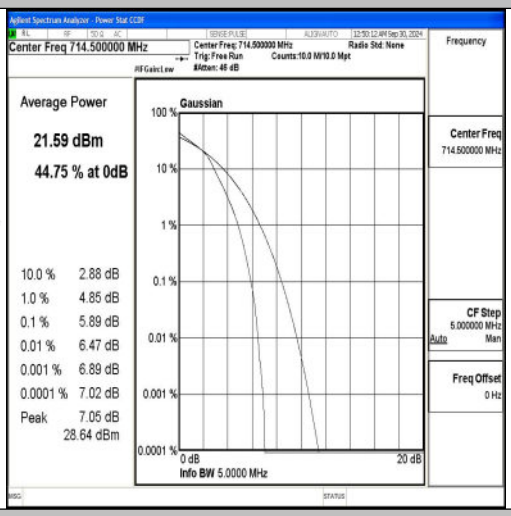

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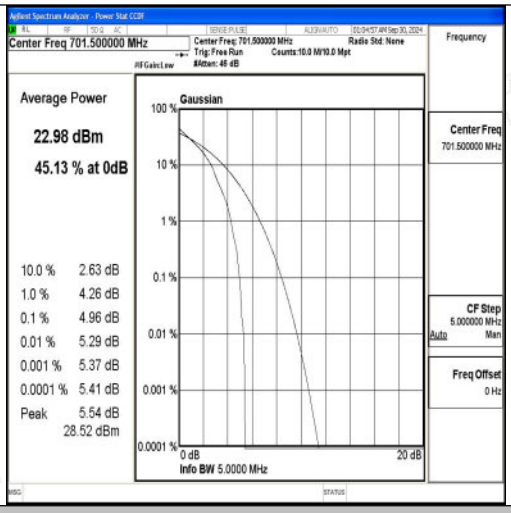

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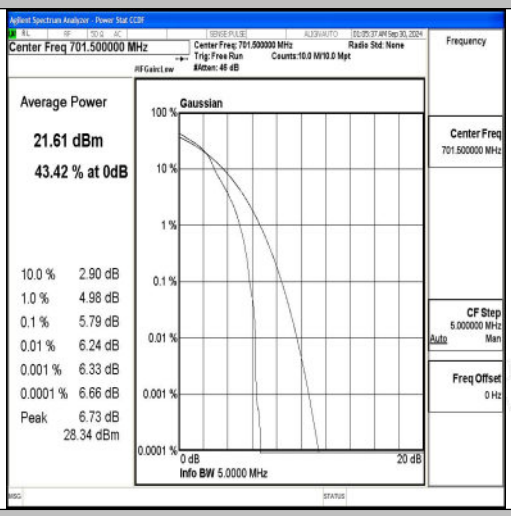

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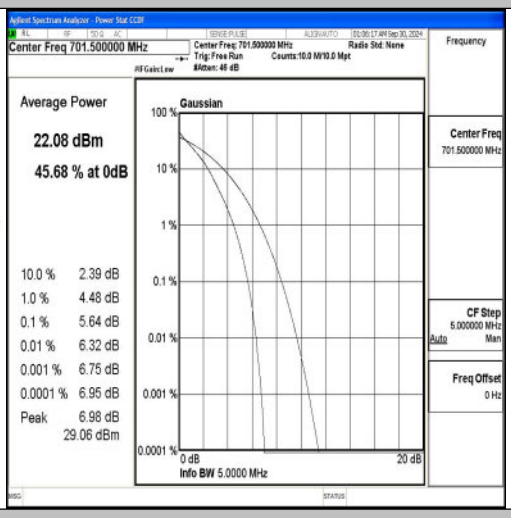

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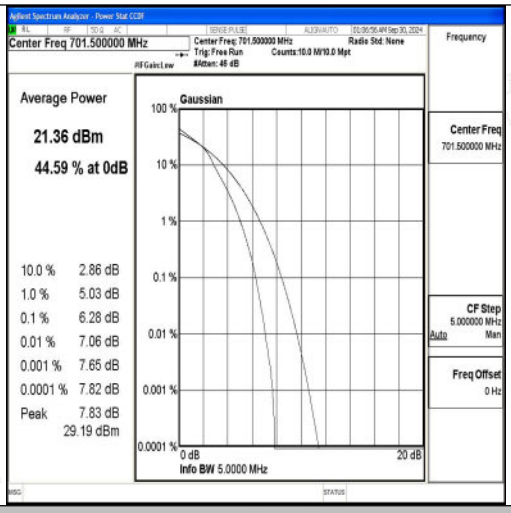

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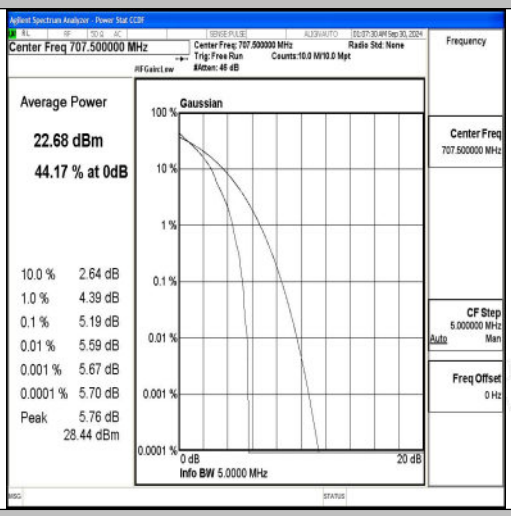

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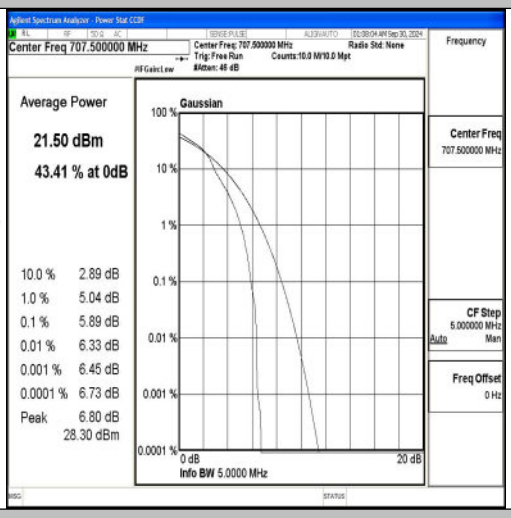

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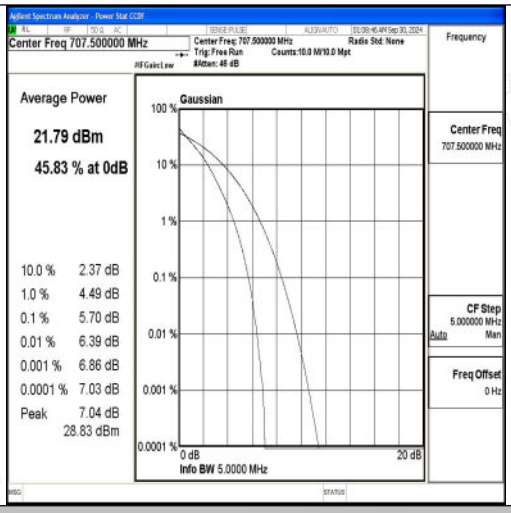

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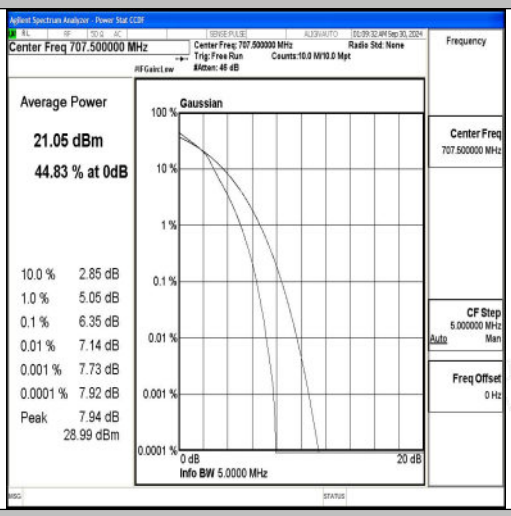

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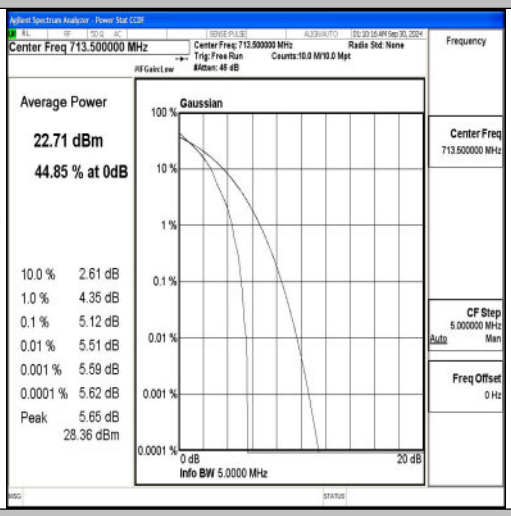

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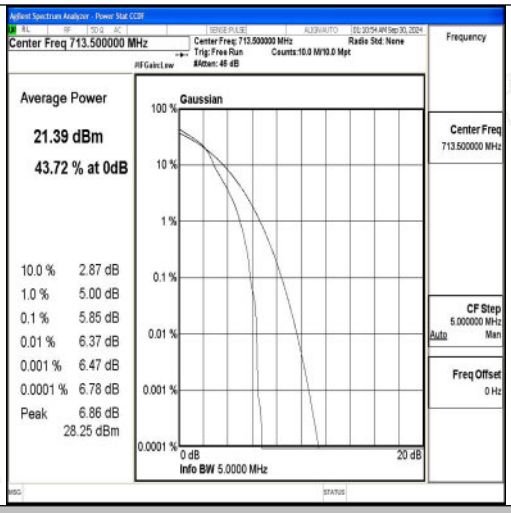

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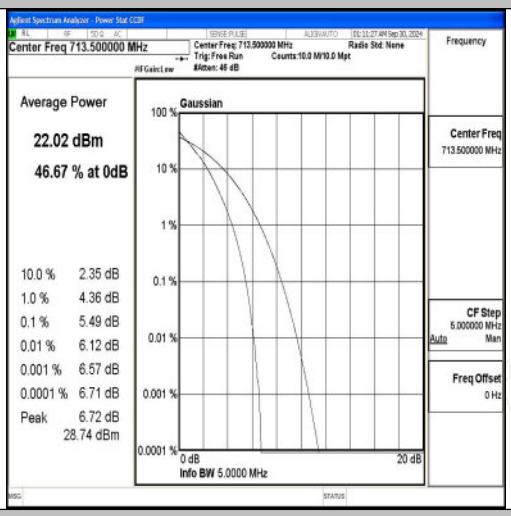

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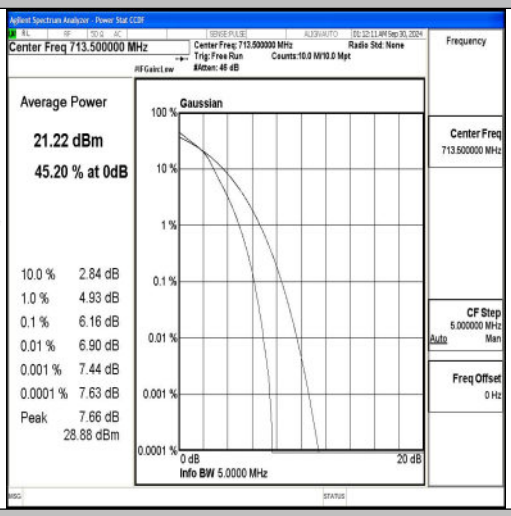

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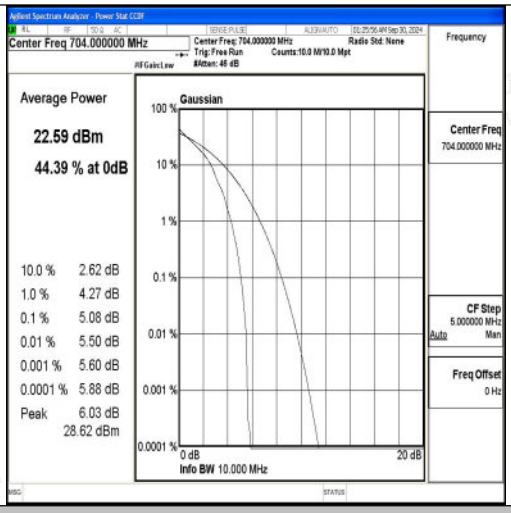
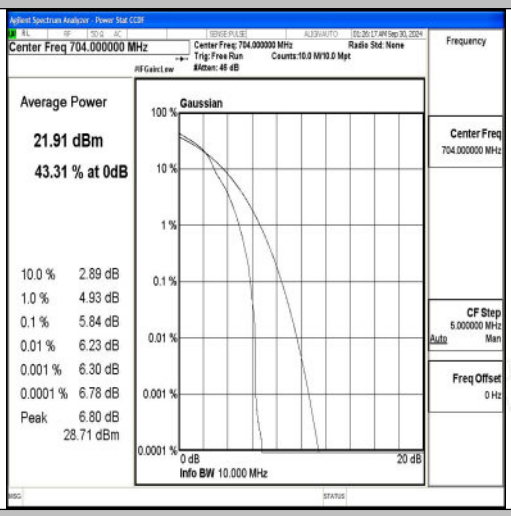


Band12-10MHz-QPSK-23060-1RB#0-PASS



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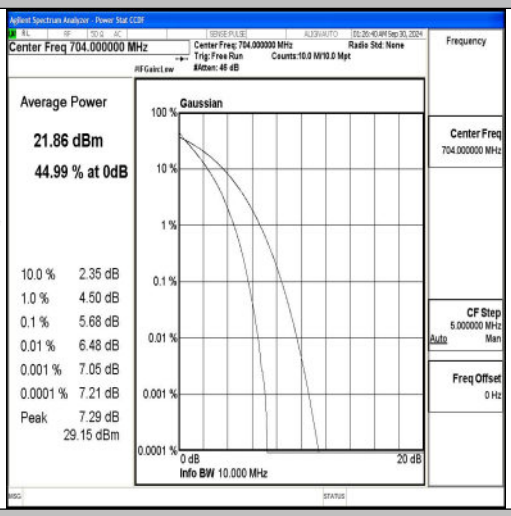

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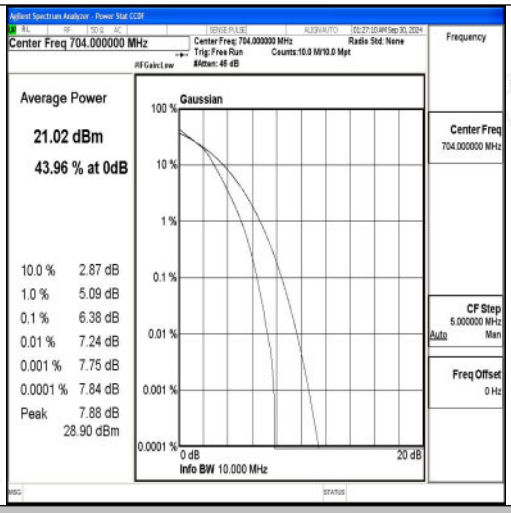

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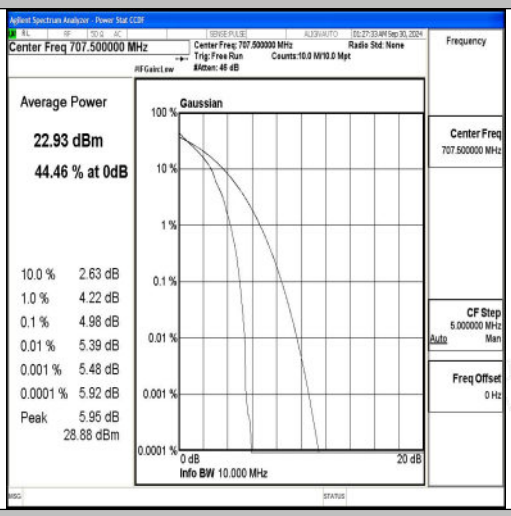

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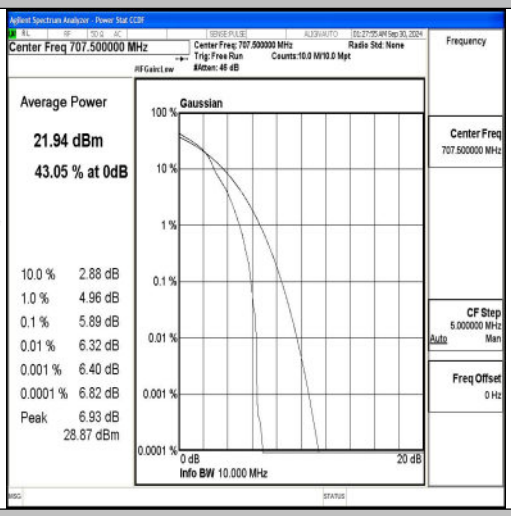

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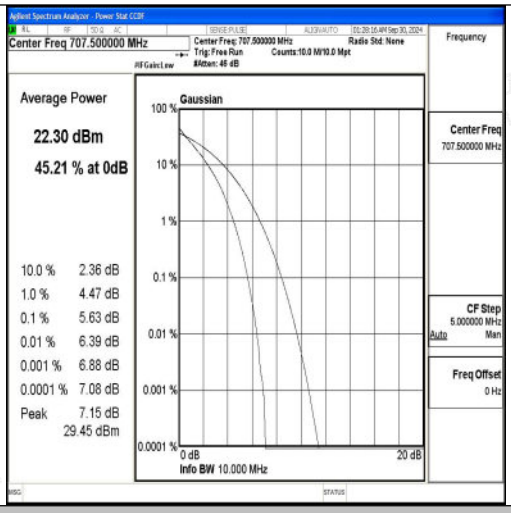

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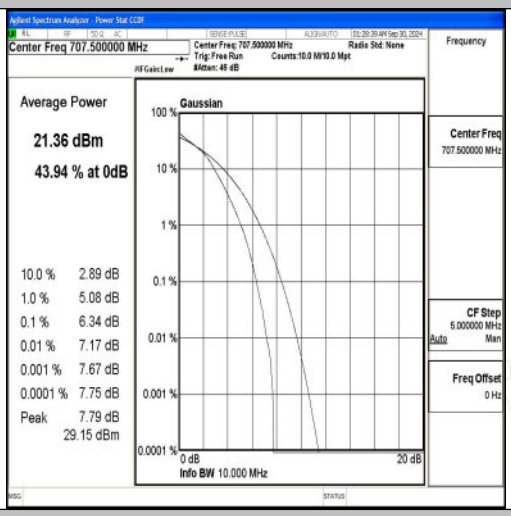

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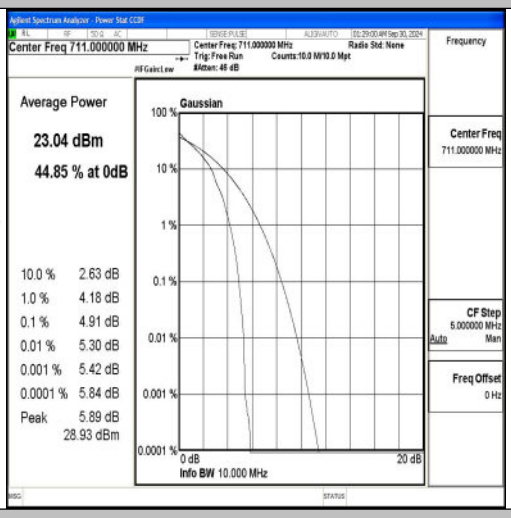
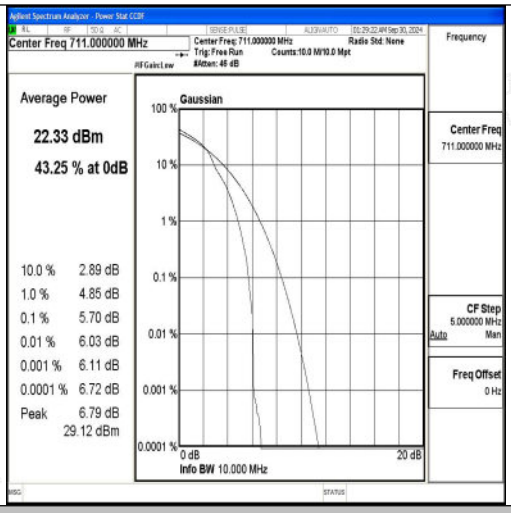


Band12-10MHz-QPSK-23130-1RB#0-PASS



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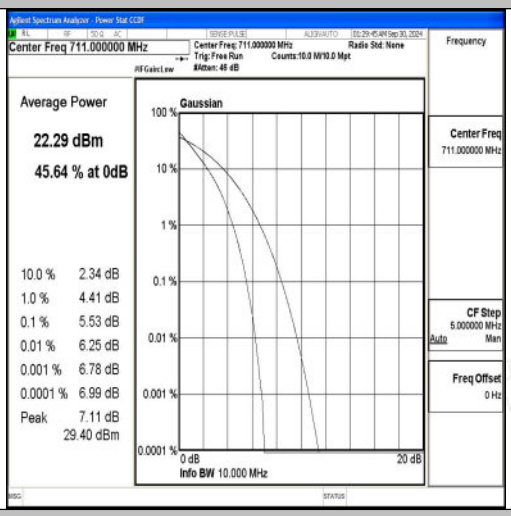

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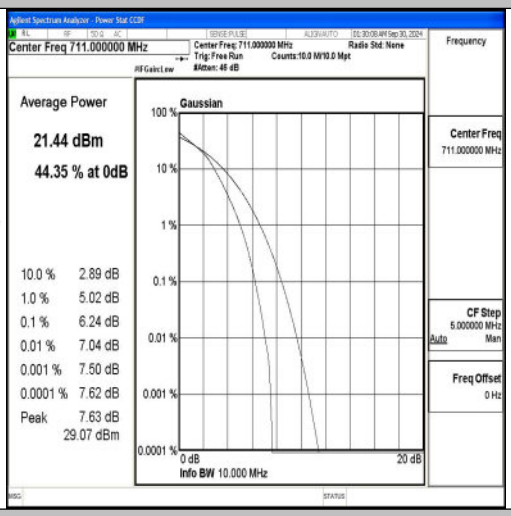


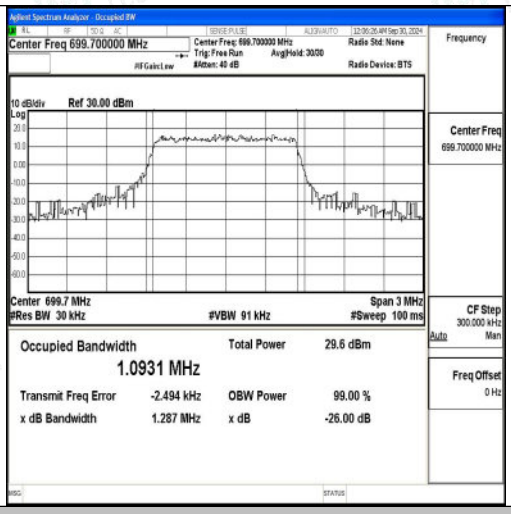
Band12-10MHz-16QAM-23130-50RB#0-PASS

E.3 26dB Bandwidth and Occupied Bandwidth

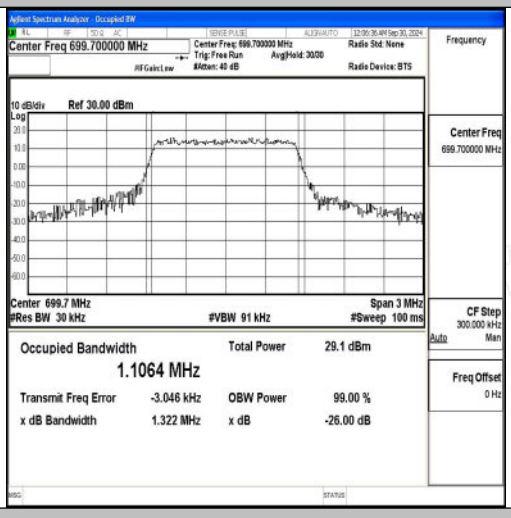
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0931	1.287	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1064	1.322	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0978	1.296	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1037	1.326	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0943	1.288	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1022	1.322	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7118	3.222	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6960	3.072	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7123	3.235	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6994	3.076	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7062	3.104	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6966	3.050	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5295	5.313	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5196	5.282	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5293	5.297	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5215	5.262	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5285	5.330	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5278	5.251	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9985	10.07	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9991	10.17	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0027	10.02	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0059	9.983	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9921	10.11	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9965	10.12	PASS

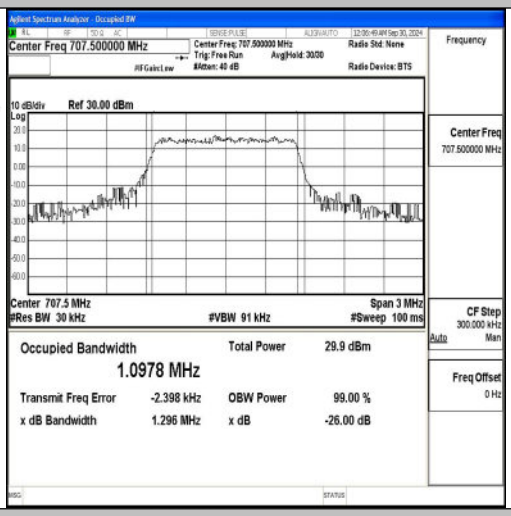
Test Graphs



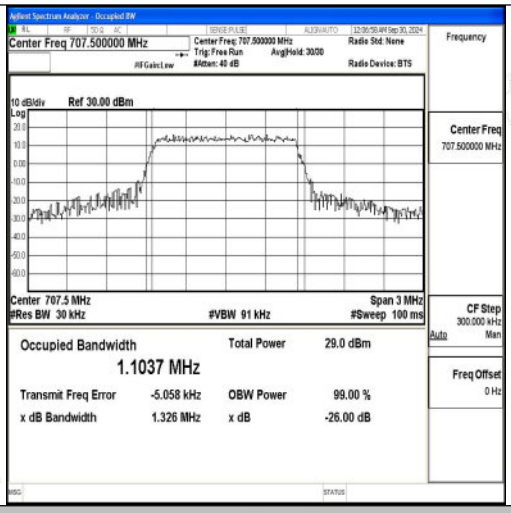
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



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



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



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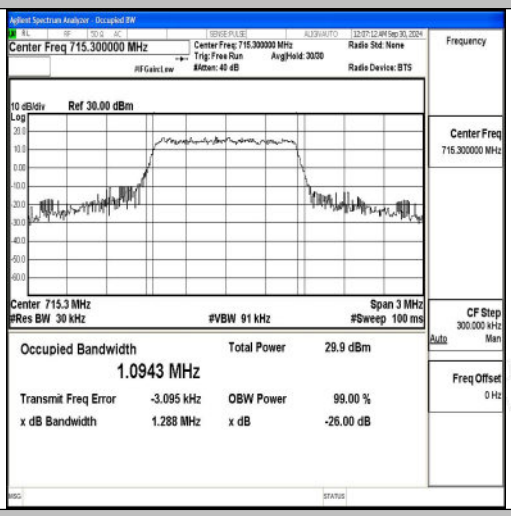

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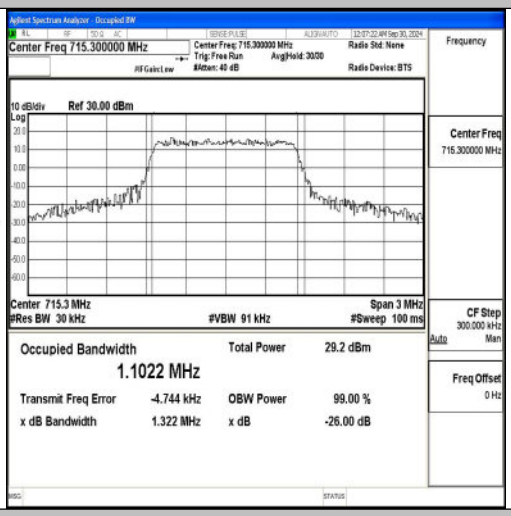
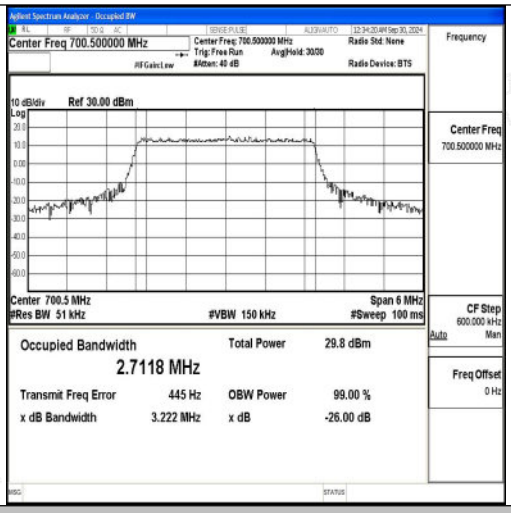
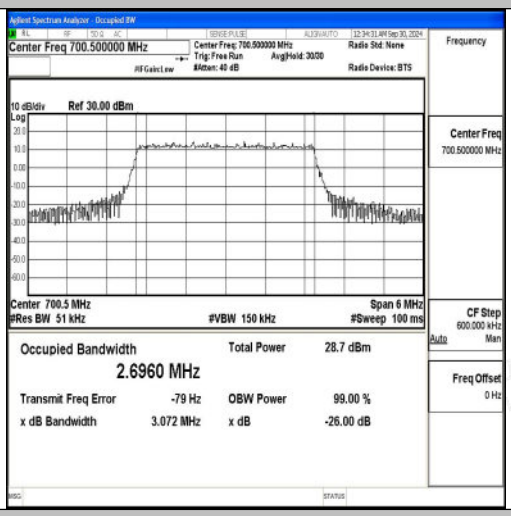


Band12-1.4MHz-16QAM-23173-6RB#0-PASS



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



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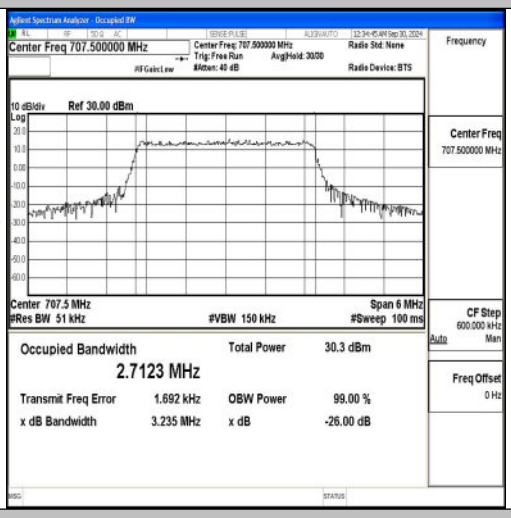

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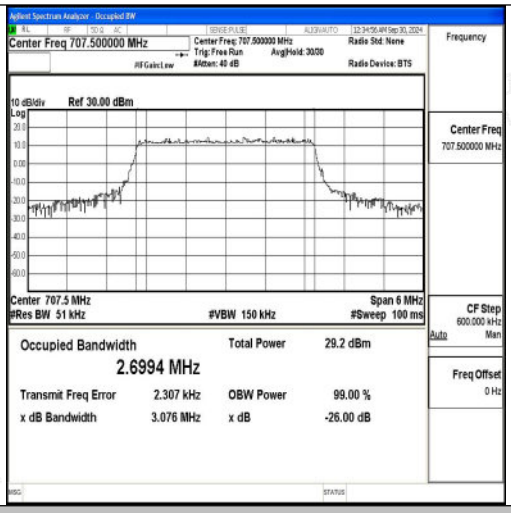
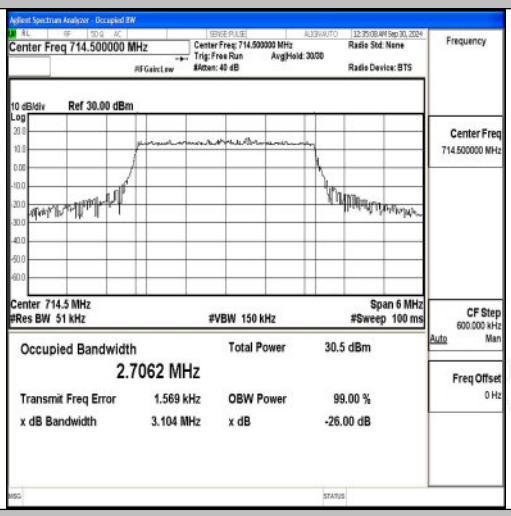
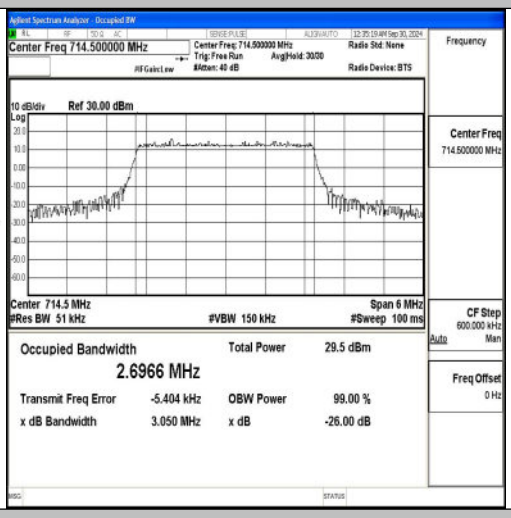


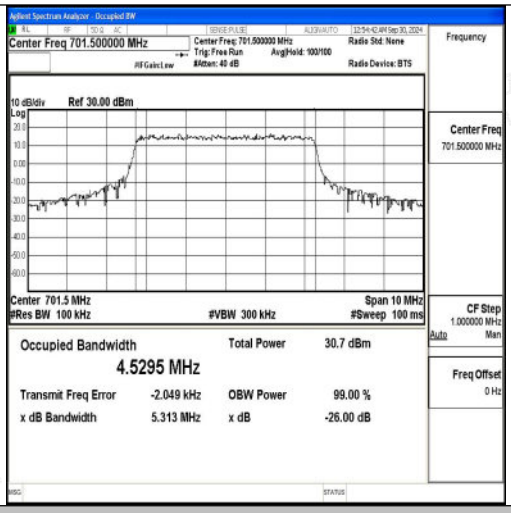
Band12-3MHz-16QAM-23095-15RB#0-PASS



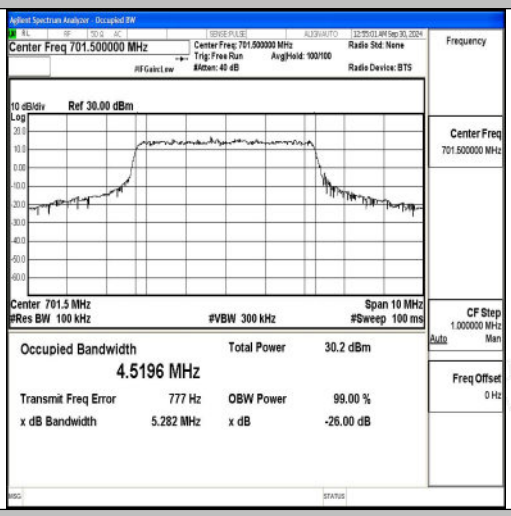
Band12-3MHz-QPSK-23165-15RB#0-PASS



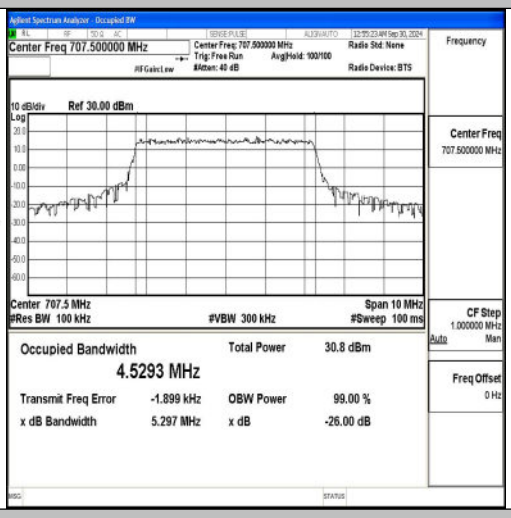
Band12-3MHz-16QAM-23165-15RB#0-PASS



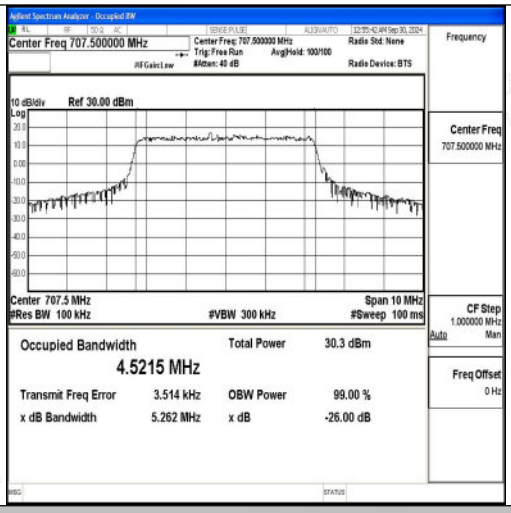
Band12-5MHz-QPSK-23035-25RB#0-PASS



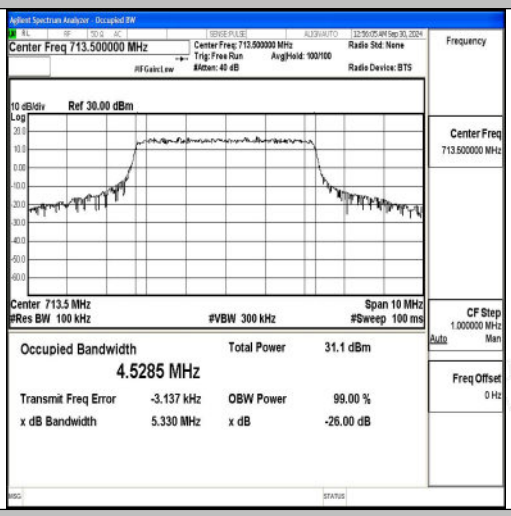
Band12-5MHz-16QAM-23035-25RB#0-PASS



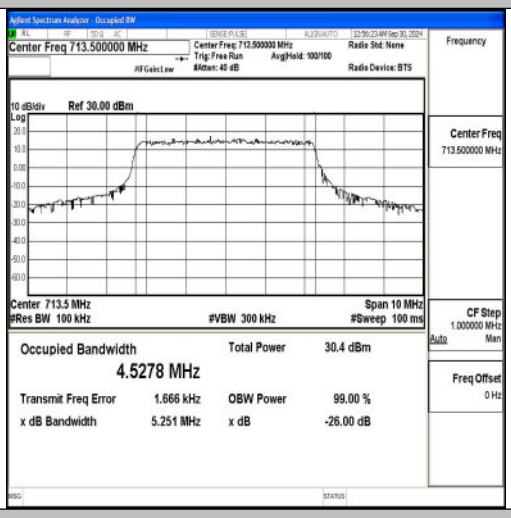
Band12-5MHz-QPSK-23095-25RB#0-PASS



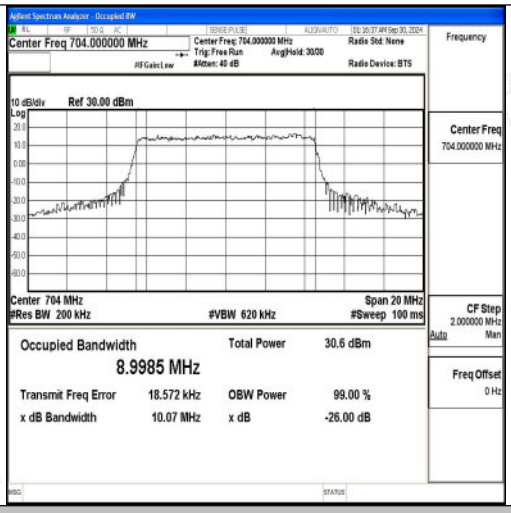
Band12-5MHz-16QAM-23095-25RB#0-PASS



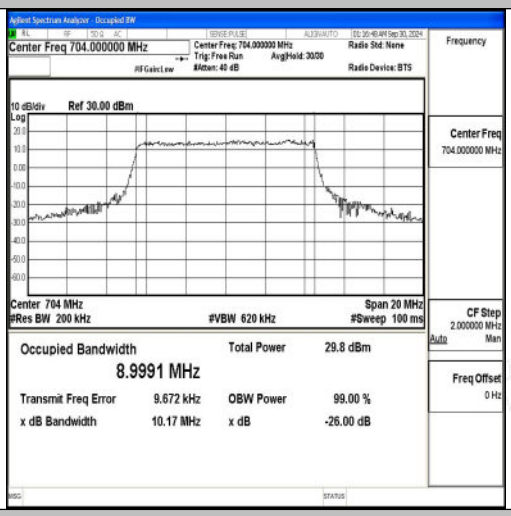
Band12-5MHz-QPSK-23155-25RB#0-PASS



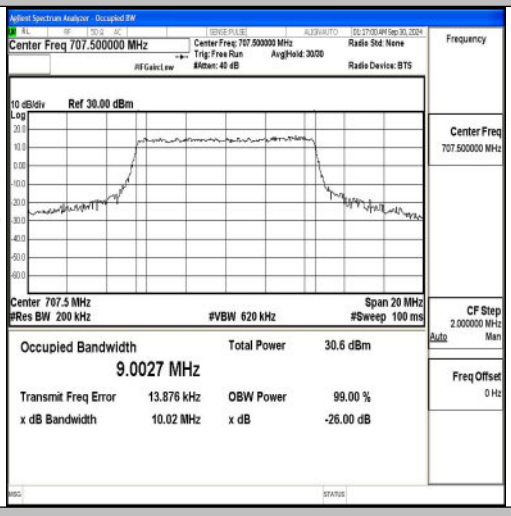
Band12-5MHz-16QAM-23155-25RB#0-PASS



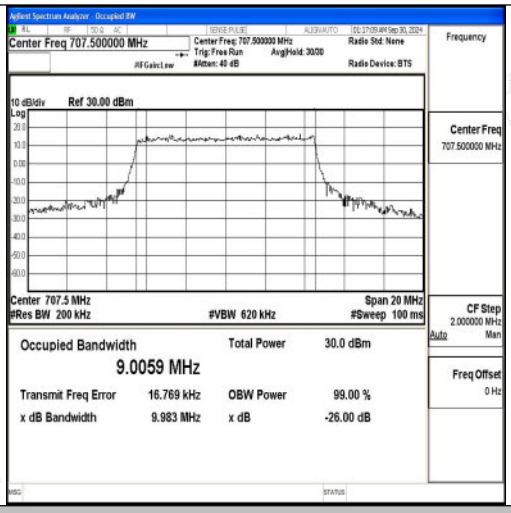
Band12-10MHz-QPSK-23060-50RB#0-PASS



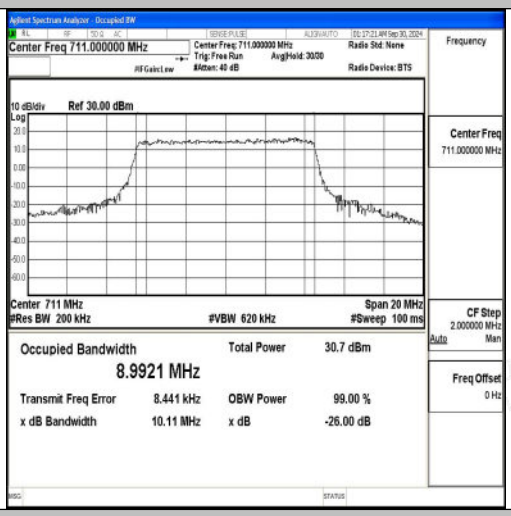
Band12-10MHz-16QAM-23060-50RB#0-PASS



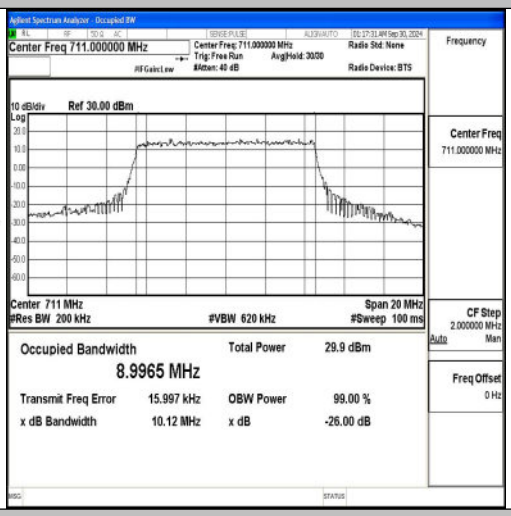
Band12-10MHz-QPSK-23095-50RB#0-PASS



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



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



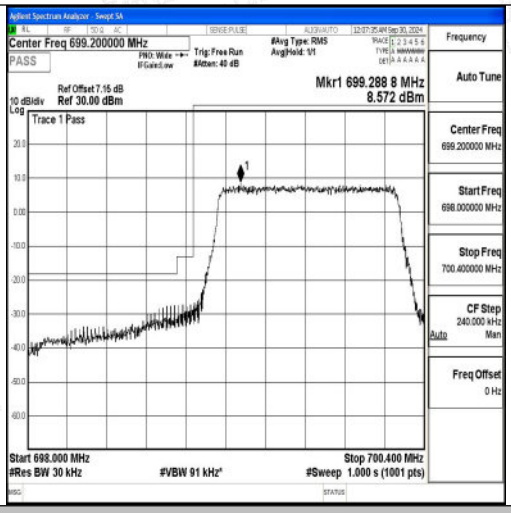
Band12-10MHz-16QAM-23130-50RB#0-PASS

E.4 Band Edge

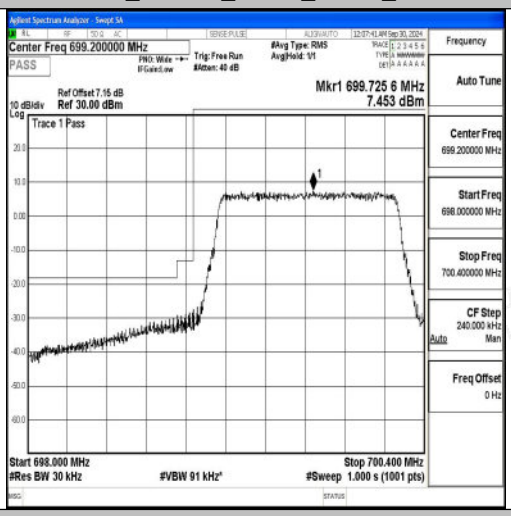
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.89	-27.53	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.88	-29.89	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.15	-28.25	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.13	-28.89	PASS
Band12	3MHz	QPSK	23025	15RB#0	699.00	-23.84	PASS
Band12	3MHz	16QAM	23025	15RB#0	699.00	-24.60	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.00	-23.49	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.00	-25.51	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.82	-34.07	PASS
Band12	5MHz	16QAM	23035	25RB#0	698.87	-34.84	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.18	-36.60	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.14	-34.66	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.62	-38.37	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.40	-39.10	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.18	-42.60	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.14	-43.27	PASS

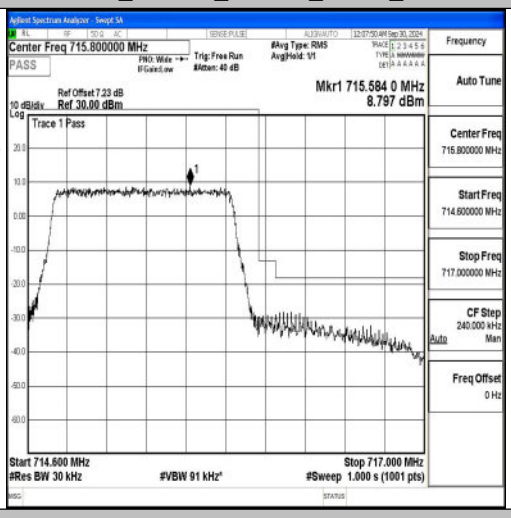
Test Graphs



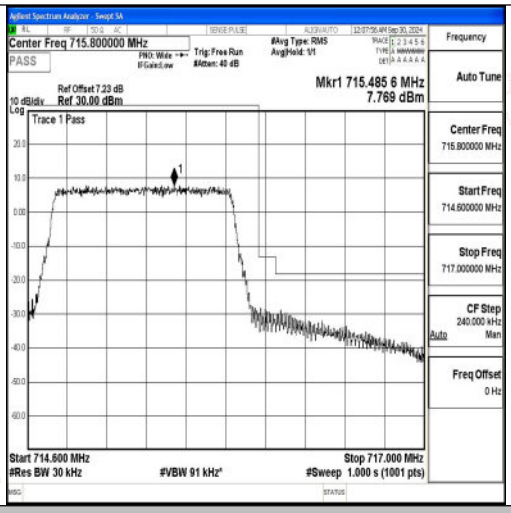
Band12_1.4MHz_QPSK_23017_6RB#0



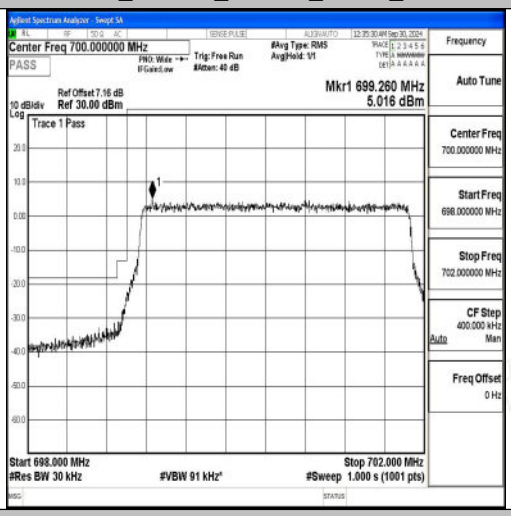
Band12_1.4MHz_16QAM_23017_6RB#0



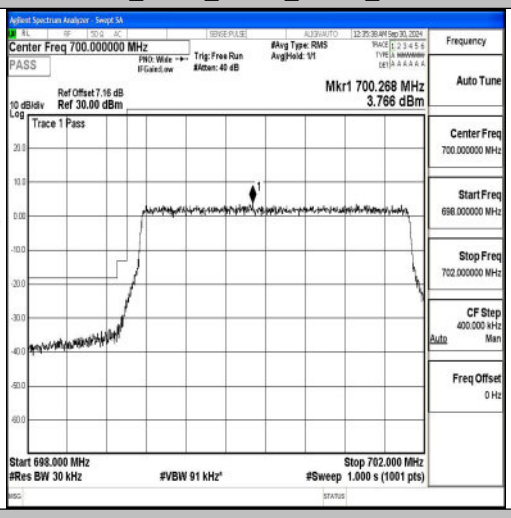
Band12_1.4MHz_QPSK_23173_6RB#0



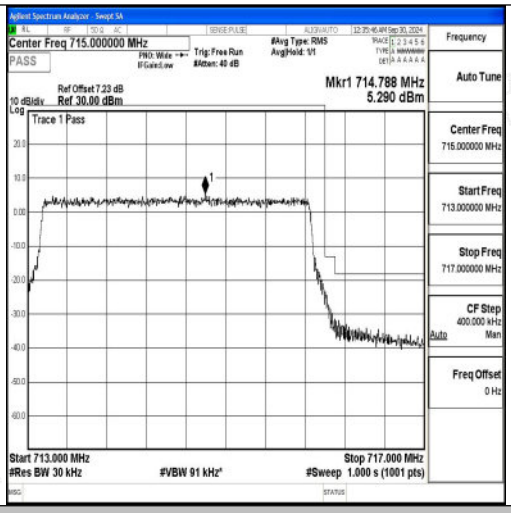
Band12_1.4MHz_16QAM_23173_6RB#0



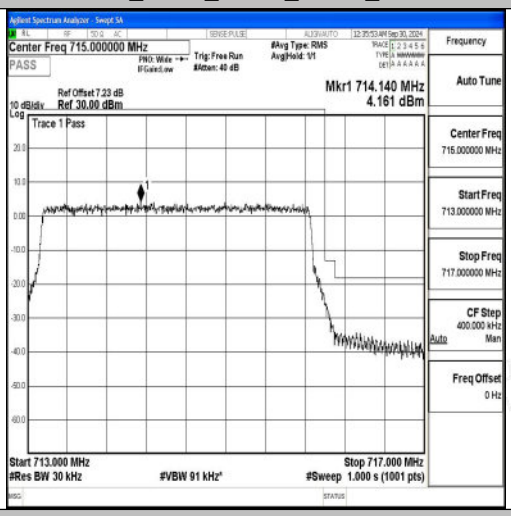
Band12_3MHz_QPSK_23025_15RB#0



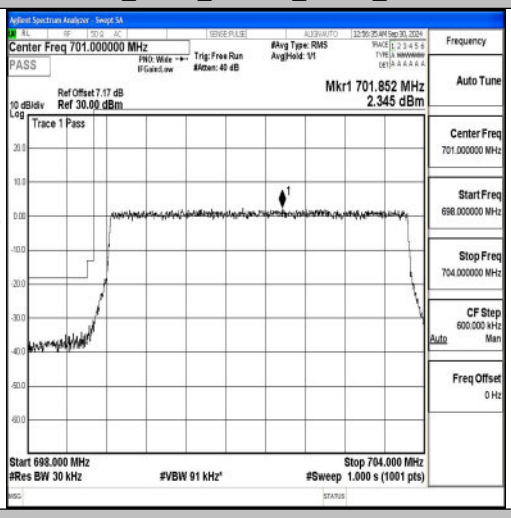
Band12_3MHz_16QAM_23025_15RB#0



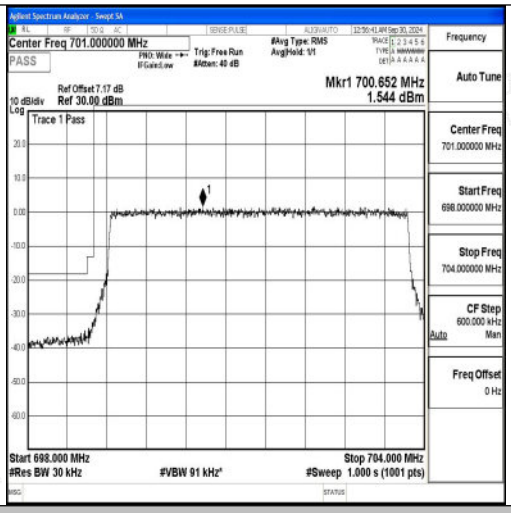
Band12_3MHz_QPSK_23165_15RB#0



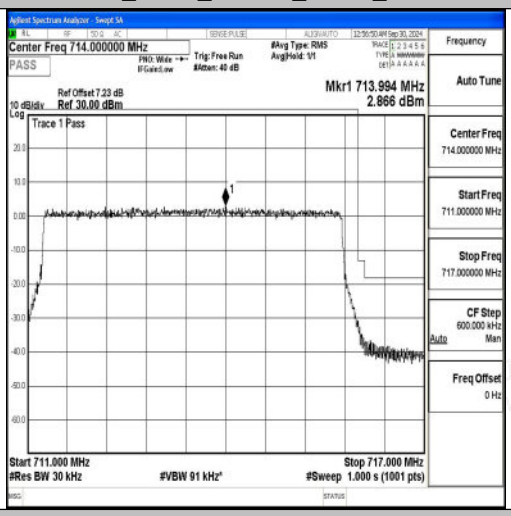
Band12_3MHz_16QAM_23165_15RB#0



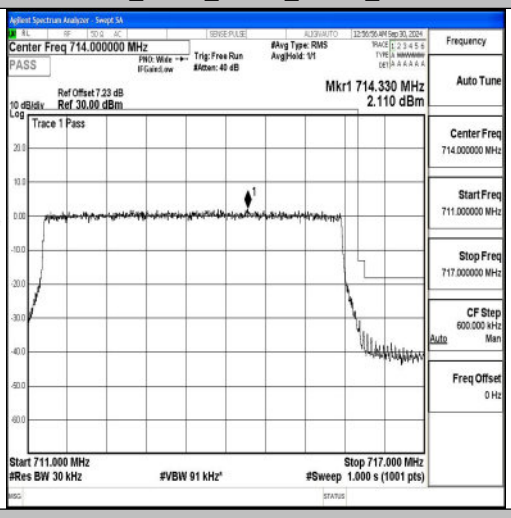
Band12_5MHz_QPSK_23035_25RB#0



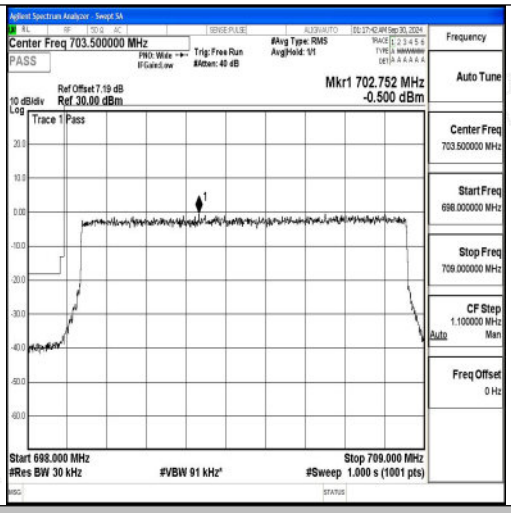
Band12_5MHz_16QAM_23035_25RB#0



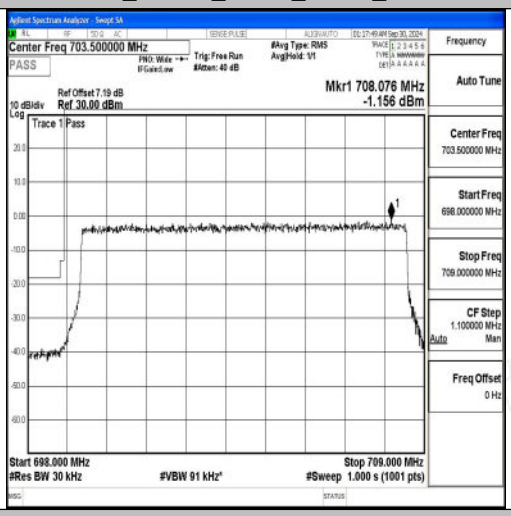
Band12_5MHz_QPSK_23155_25RB#0



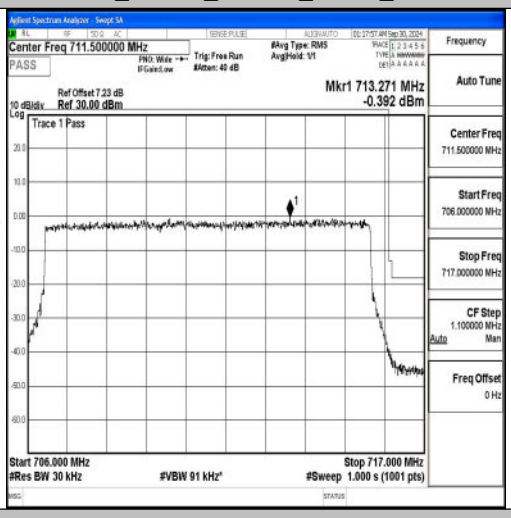
Band12_5MHz_16QAM_23155_25RB#0



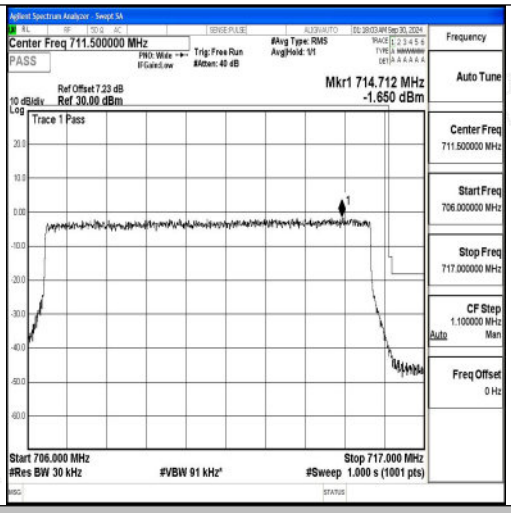
Band12_10MHz_QPSK_23060_50RB#0



Band12_10MHz_16QAM_23060_50RB#0



Band12_10MHz_QPSK_23130_50RB#0



Band12_10MHz_16QAM_23130_50RB#0

E.5 Conducted Spurious Emission

Test Result

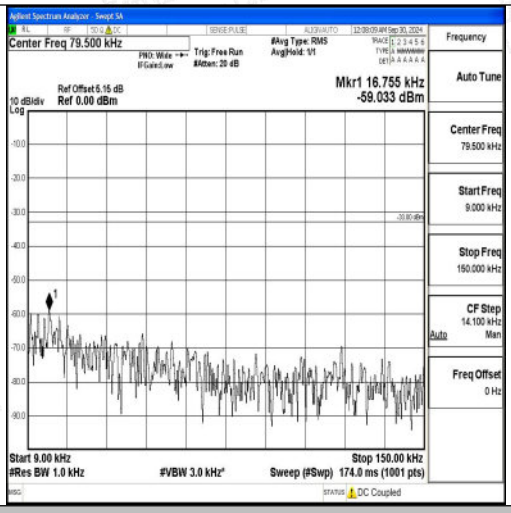
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	0.009~0.15	-59.03	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-53.19	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-46.73	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-44.37	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-43.97	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-59.17	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-52.19	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-44.54	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-43.89	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-43.83	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-58.28	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-52.97	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-45.92	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-44.64	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-44.06	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-57.00	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-53.68	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-46.86	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-44.28	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-44.32	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-57.16	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-50.86	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-46.82	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-44.70	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-44.02	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-55.72	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-51.96	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-46.34	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-44.56	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-44.04	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-59.97	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-51.94	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-49.21	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-45.18	PASS

Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-44.14	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-60.27	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-51.49	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-48.47	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-43.79	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-44.50	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-56.72	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-52.97	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-47.99	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-44.81	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-44.19	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-55.25	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-50.85	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-51.03	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-45.48	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-44.15	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-54.76	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-51.17	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-49.45	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-43.80	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-44.17	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-58.93	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-52.79	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-50.07	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-44.68	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-44.14	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-57.12	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-54.94	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-58.99	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-44.61	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-44.18	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-58.05	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-51.07	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-58.44	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-44.70	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-44.14	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-56.09	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-50.90	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-59.89	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-44.83	PASS

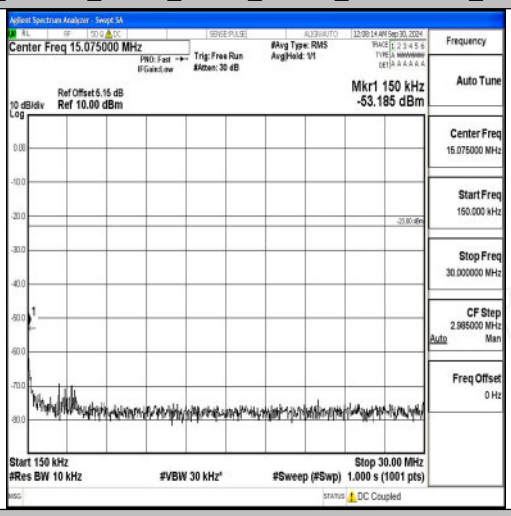
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-44.18	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-56.61	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-52.53	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-62.00	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-45.81	PASS
Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-44.02	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-55.50	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-52.46	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-59.41	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-43.87	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-44.30	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-58.13	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-53.22	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-60.54	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-46.87	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-43.43	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-55.44	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-54.44	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-62.07	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-45.05	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-44.16	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-55.42	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-53.03	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-61.89	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-44.06	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-43.60	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-59.32	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-52.82	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-62.02	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-44.88	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-44.25	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-55.46	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-52.79	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-62.06	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-46.13	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-44.07	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-57.45	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-51.89	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-61.68	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-45.02	PASS

Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-44.10	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-56.55	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-51.39	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-62.19	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-45.87	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-44.00	PASS

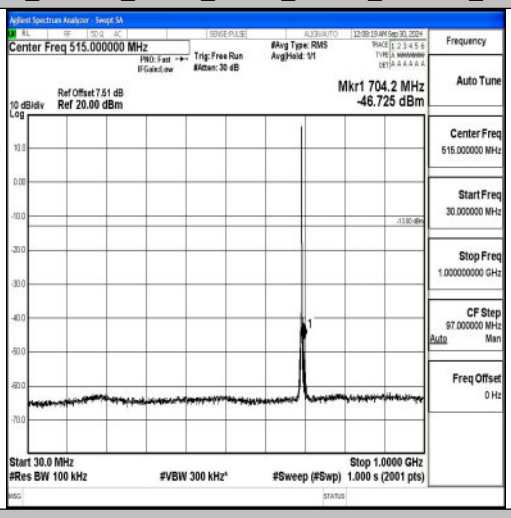
Test Graphs



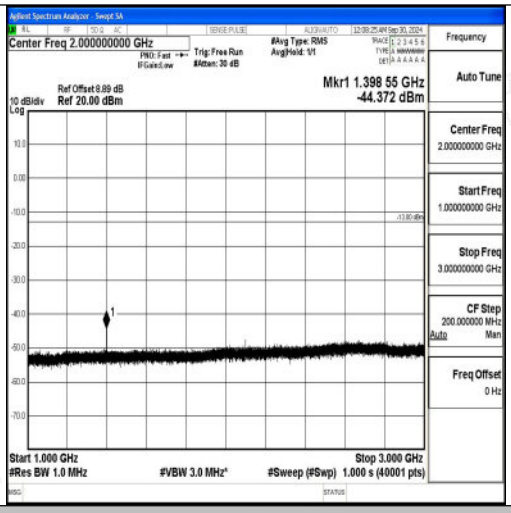
Band12_1.4MHz_QPSK_23017_1RB#0_0.009~0.15_0.009~0.15



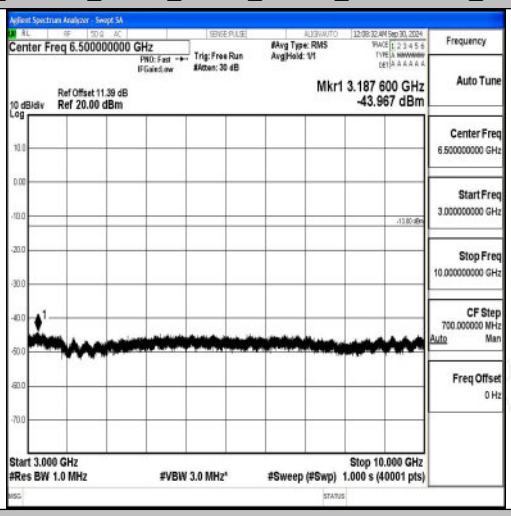
Band12_1.4MHz_QPSK_23017_1RB#0_0.15~30_0.15~30



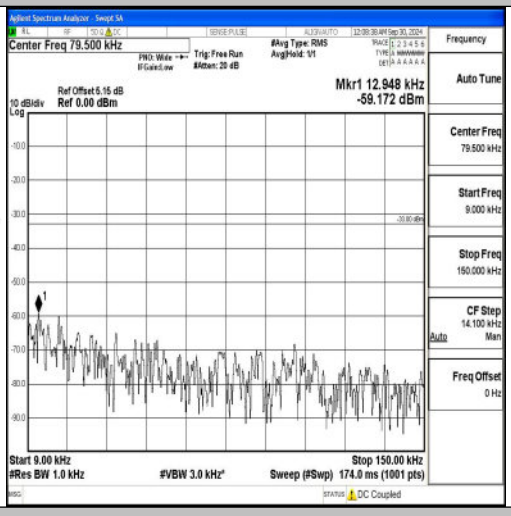
Band12_1.4MHz_QPSK_23017_1RB#0_30~1000_30~1000



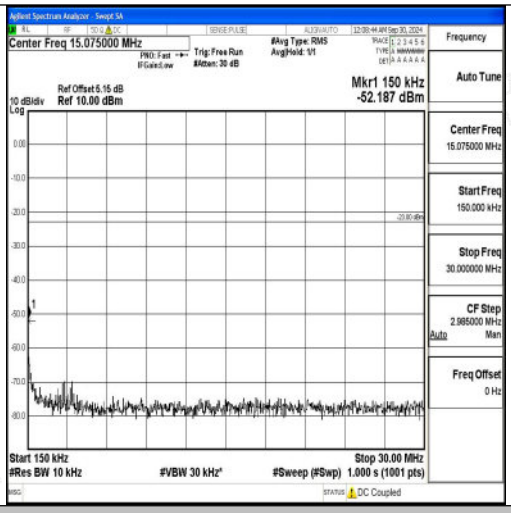
Band12_1.4MHz_QPSK_23017_1RB#0_1000~3000_1000~3000



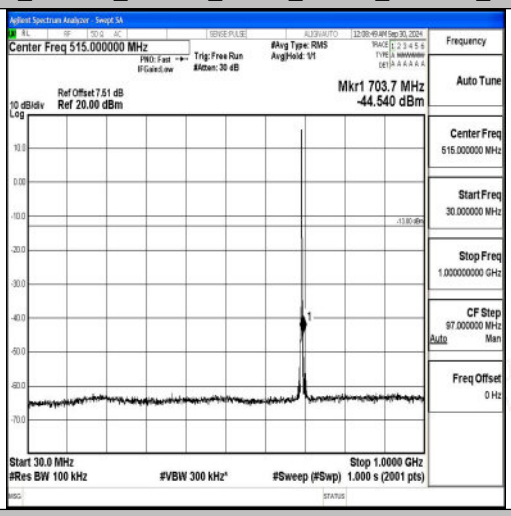
Band12_1.4MHz_QPSK_23017_1RB#0_3000~10000_3000~10000



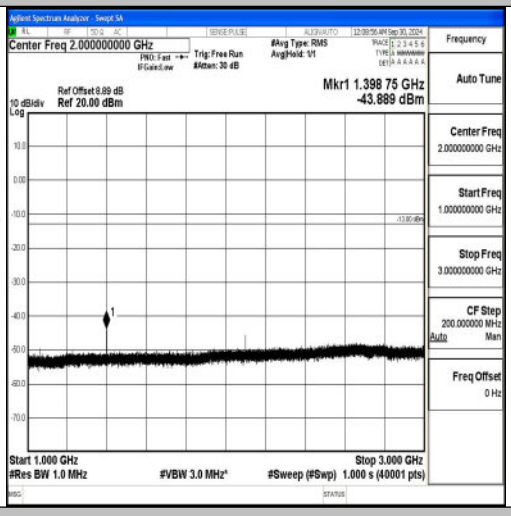
Band12_1.4MHz_16QAM_23017_1RB#0_0.009~0.15_0.009~0.15



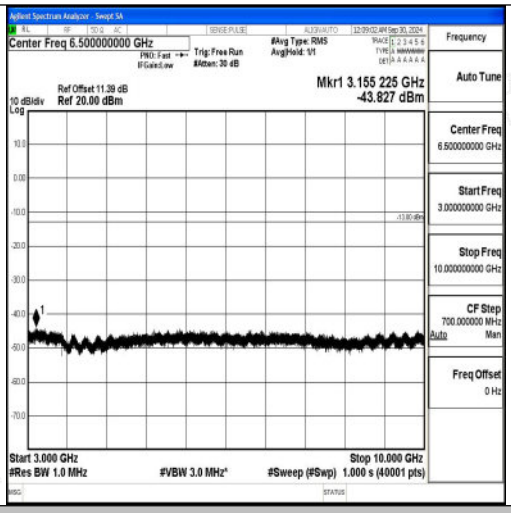
Band12_1.4MHz_16QAM_23017_1RB#0_0.15~30_0.15~30



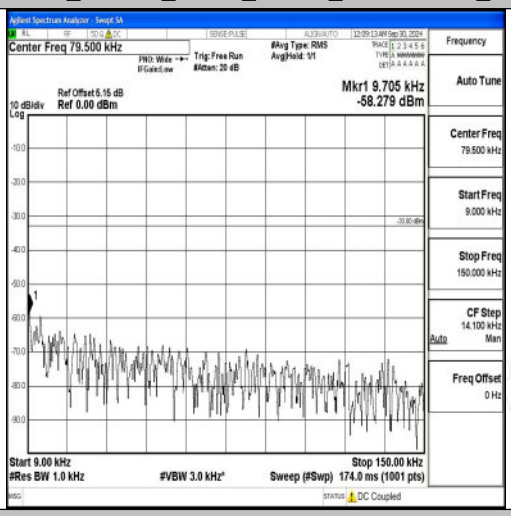
Band12_1.4MHz_16QAM_23017_1RB#0_30~1000_30~1000



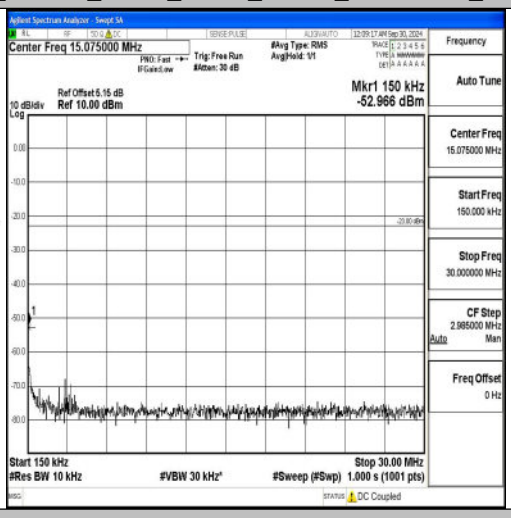
Band12_1.4MHz_16QAM_23017_1RB#0_1000~3000_1000~3000



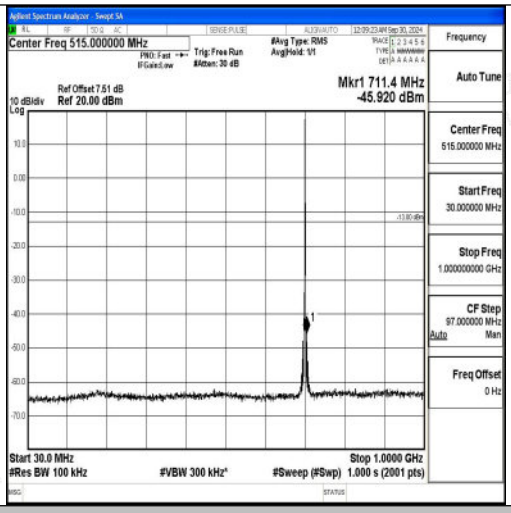
Band12_1.4MHz_16QAM_23017_1RB#0_3000~10000_3000~10000



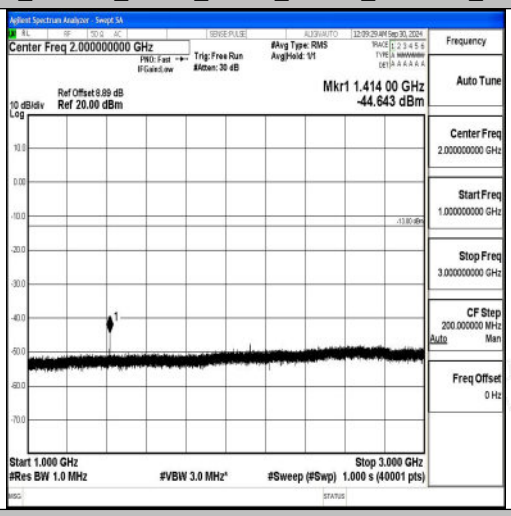
Band12_1.4MHz_QPSK_23095_1RB#0_0.009~0.15_0.009~0.15



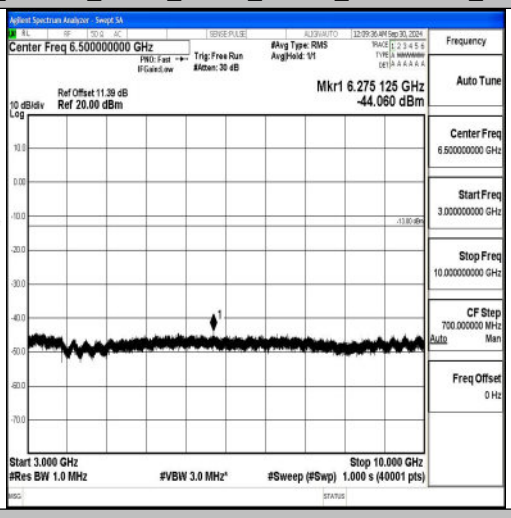
Band12_1.4MHz_QPSK_23095_1RB#0_0.15~30_0.15~30



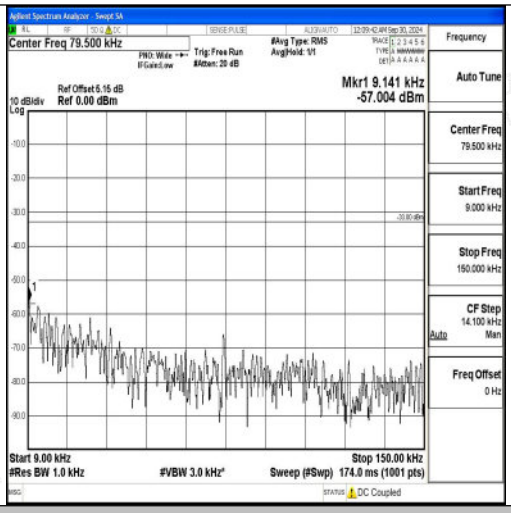
Band12_1.4MHz_QPSK_23095_1RB#0_30~1000_30~1000



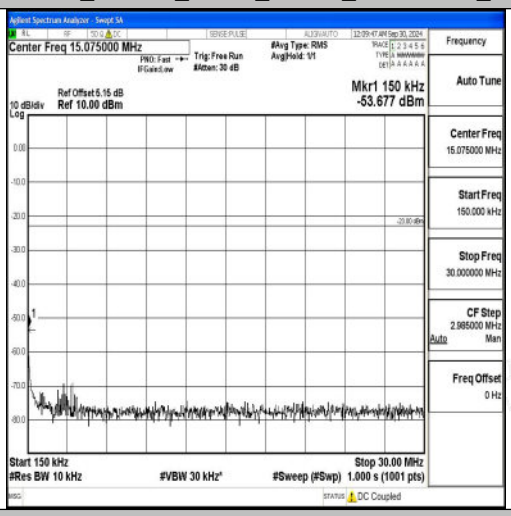
Band12_1.4MHz_QPSK_23095_1RB#0_1000~3000_1000~3000



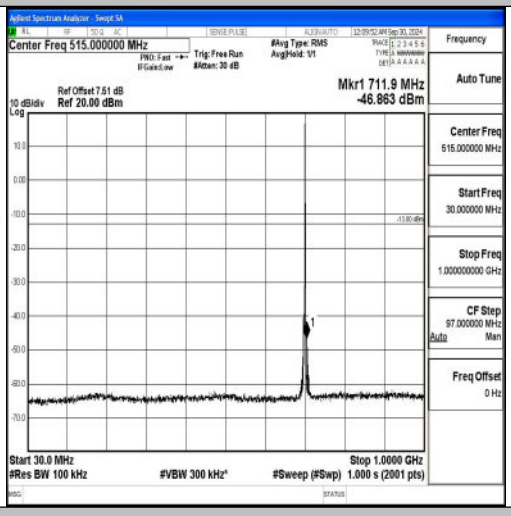
Band12_1.4MHz_QPSK_23095_1RB#0_3000~10000_3000~10000



Band12_1.4MHz_16QAM_23095_1RB#0_0.009~0.15_0.009~0.15



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



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