Appendix-C LTE Band 12

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.01	22.05	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.90	21.94	34.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.77	21.81	34.77	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.85	20.89	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.55	21.59	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.78	21.82	34.77	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.58	21.62	34.77	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.51	20.55	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.67	21.71	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.84	21.88	34.77	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.98	22.02	34.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.90	20.94	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.77	20.81	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.26	21.3	34.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.47	20.51	34.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.96	20	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.53	20.57	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.81	20.85	34.77	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.47	20.51	34.77	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.50	19.54	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.10	21.14	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.43	21.47	34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.43	21.47	34.77	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.92	19.96	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.98	22.02	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.83	21.87	34.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.68	21.72	34.77	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.93	20.97	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.69	21.73	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.90	21.94	34.77	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.57	21.61	34.77	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.60	20.64	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.82	21.86	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.78	21.82	34.77	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.85	21.89	34.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.90	20.94	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.74	20.78	34.77	PASS

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Band12	3MHz	16QAM	23025	1RB#8	23.01	21.05	34.77	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.64	20.68	34.77	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.88	19.92	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.63	20.67	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.48	20.52	34.77	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.59	20.63	34.77	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.45	19.49	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.15	21.19	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.05	21.09	34.77	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.28	21.32	34.77	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.69	19.73	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.06	22.1	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.71	21.75	34.77	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.66	21.7	34.77	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.82	20.86	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.79	21.83	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.79	21.83	34.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.73	21.77	34.77	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.60	20.64	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.73	21.77	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.82	21.86	34.77	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.69	21.73	34.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.81	20.85	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.73	20.77	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.67	20.71	34.77	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.45	20.49	34.77	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.77	19.81	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.73	20.77	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.69	20.73	34.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.52	20.56	34.77	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.51	19.55	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.91	20.95	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.73	20.77	34.77	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.00	21.04	34.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.78	19.82	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.71	21.75	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.87	21.91	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.43	21.47	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.63	20.67	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.31	21.35	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.76	21.8	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.63	21.67	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.57	20.61	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.68	21.72	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.10	22.14	34.77	PASS

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Band12	10MHz	QPSK	23130	1RB#49	23.81	21.85	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.71	20.75	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.82	20.86	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.82	20.86	34.77	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.46	20.5	34.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.66	19.7	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.48	20.52	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.91	20.95	34.77	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.43	20.47	34.77	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.54	19.58	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.32	21.36	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.21	21.25	34.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.41	21.45	34.77	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.76	19.8	34.77	PASS

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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band12	10MHz	QPSK	23060	100RB#0	5.30	13	PASS
Band12	10MHz	QPSK	23095	100RB#0	5.42	13	PASS
Band12	10MHz	QPSK	23130	100RB#0	5.17	13	PASS
Band12	10MHz	16QAM	23060	100RB#0	5.30	13	PASS
Band12	10MHz	16QAM	23095	100RB#0	5.41	13	PASS
Band12	10MHz	16QAM	23130	100RB#0	5.19	13	PASS

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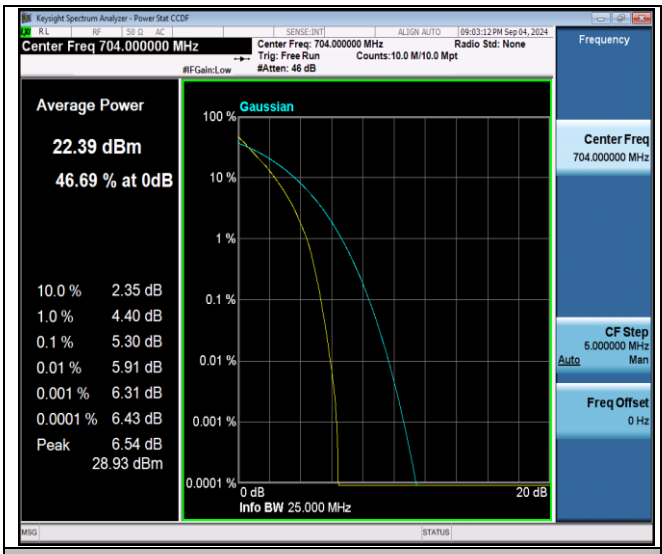
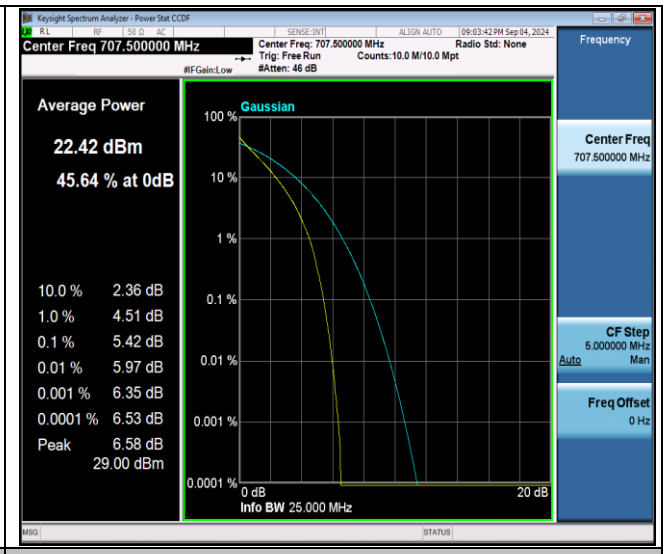
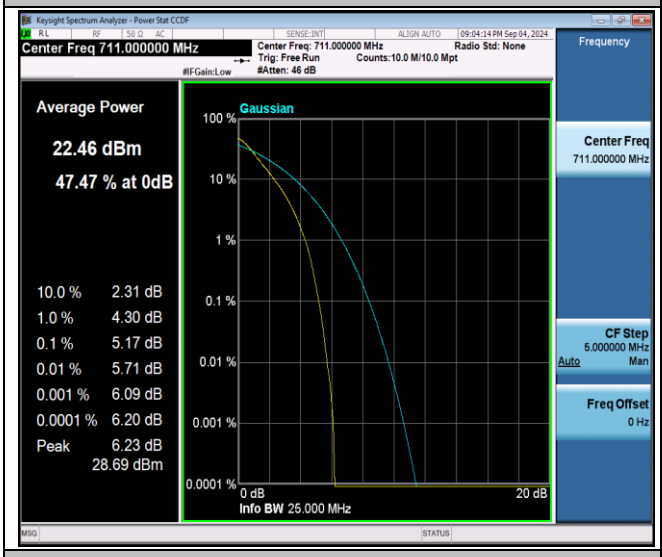
Test Graphs



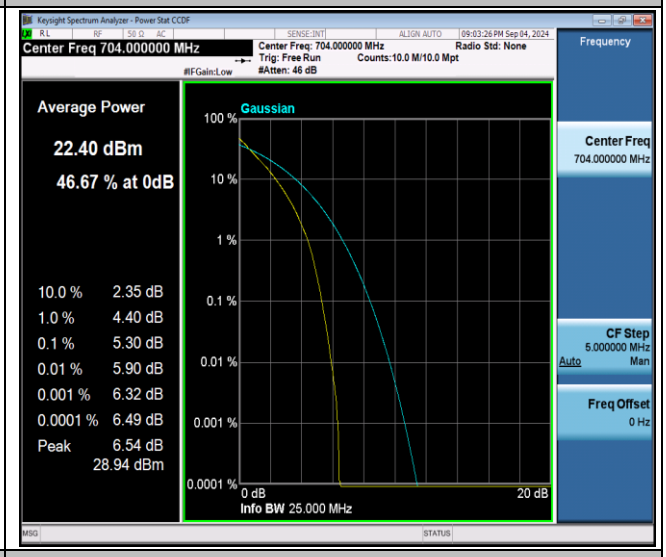
Band12-10MHz-QPSK-23060-100RB#0-PASS



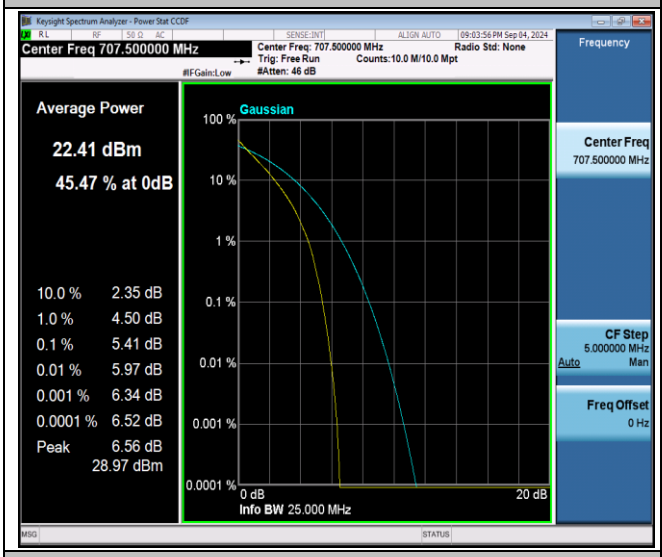
Band12-10MHz-QPSK-23095-100RB#0-PASS



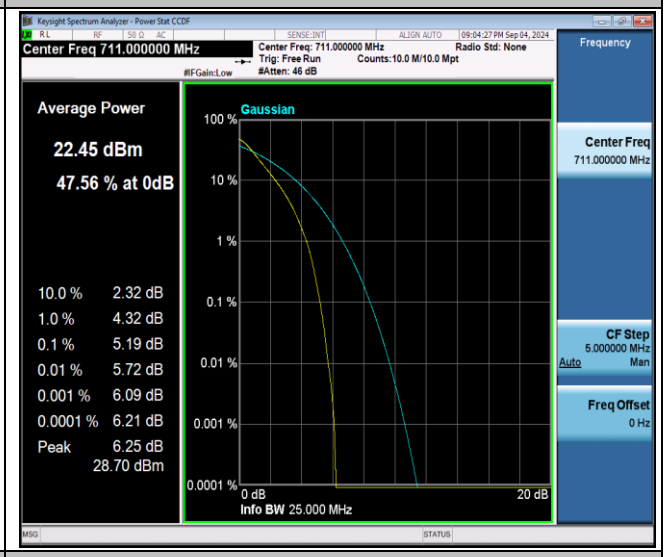
Band12-10MHz-QPSK-23130-100RB#0-PASS



Band12-10MHz-16QAM-23060-100RB#0-PASS



Band12-10MHz-16QAM-23095-100RB#0-PASS



Band12-10MHz-16QAM-23130-100RB#0-PASS

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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0942	1.292	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0950	1.281	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0953	1.308	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0989	1.310	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0956	1.286	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1006	1.304	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7042	2.956	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6988	2.971	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7089	2.982	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6897	2.967	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6986	2.979	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6990	2.973	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5035	5.018	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4996	5.002	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5068	5.020	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4995	4.980	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5114	5.038	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4989	4.970	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9805	9.907	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0097	9.933	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9611	9.888	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9727	9.845	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9987	9.939	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9690	9.848	PASS

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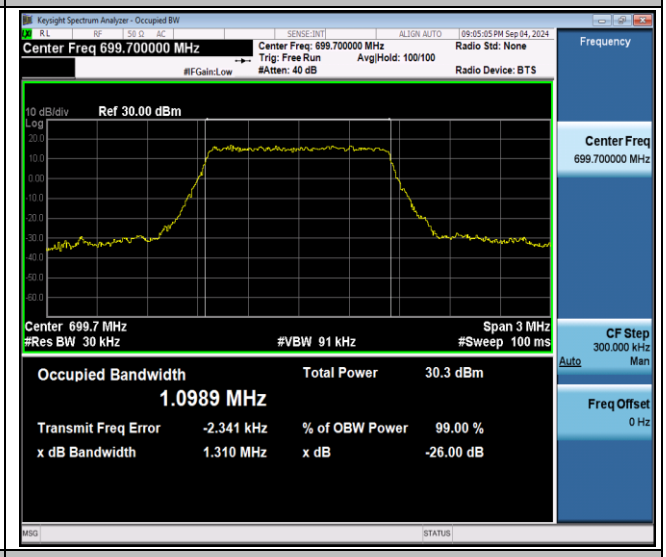
Test Graphs

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

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

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



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

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

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

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

Band12-3MHz-QPSK-23095-15RB#0-PASS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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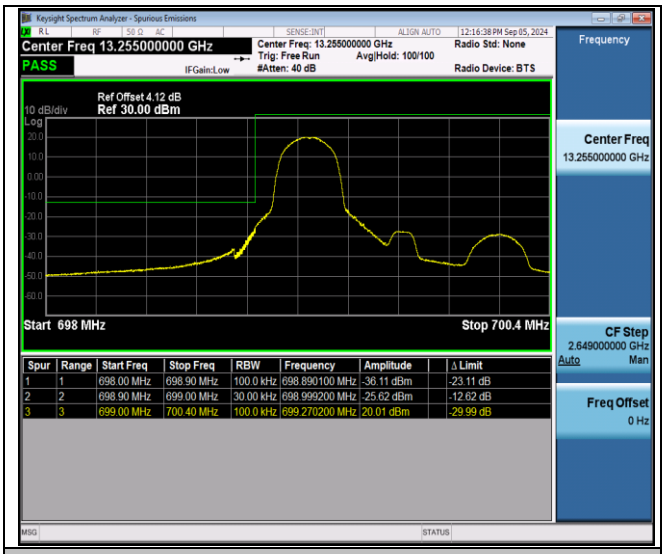
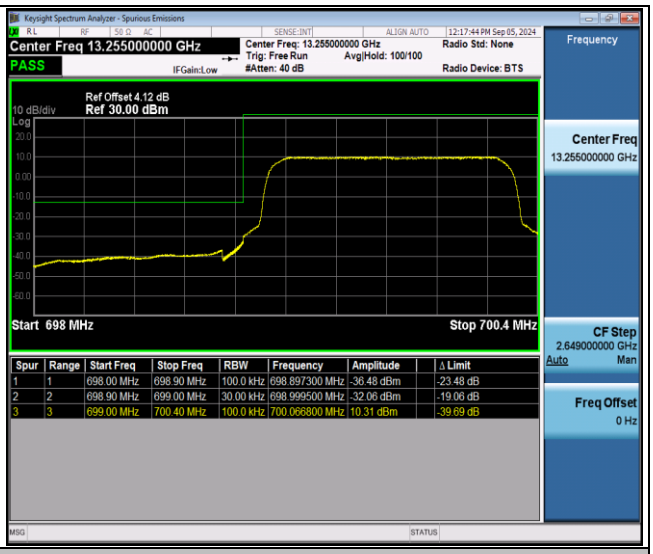
Band Edge

Test Graphs

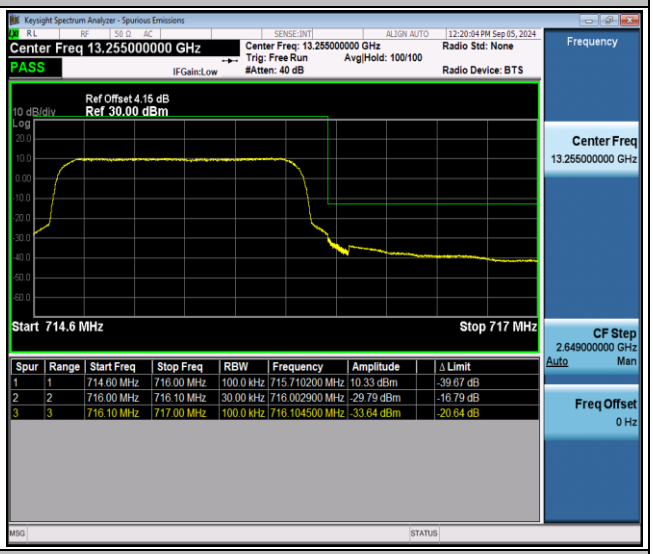


Band12-1.4MHz-QPSK-23017-1RB#0-PASS

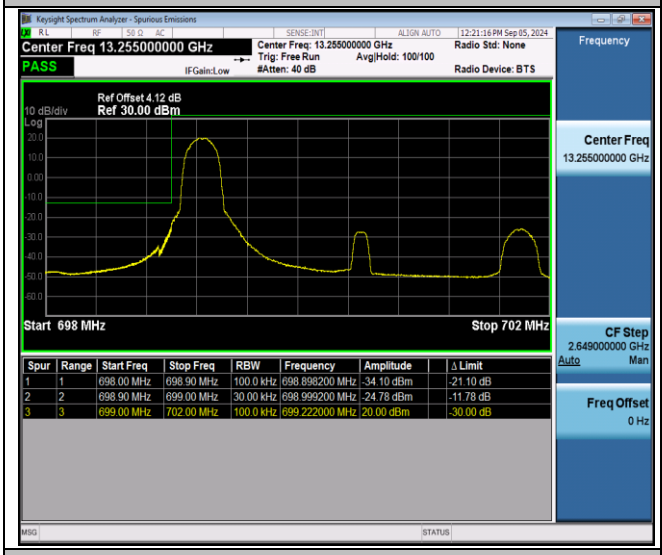


Band12-1.4MHz-QPSK-23017-6RB#0-PASS

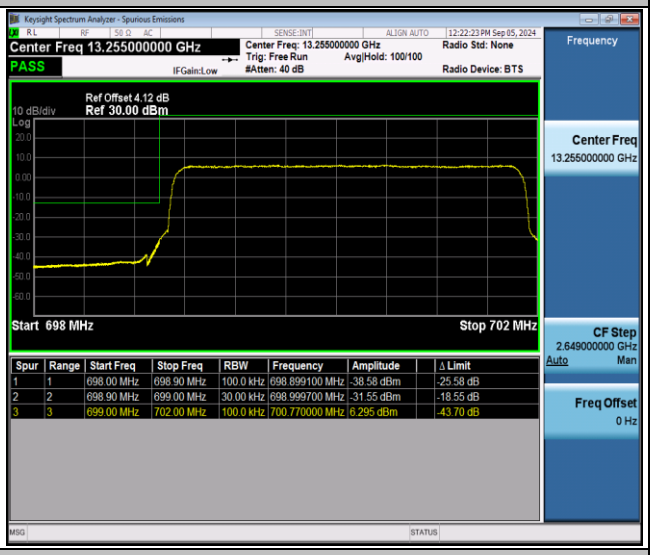
Band12-1.4MHz-QPSK-23173-1RB#5-PASS



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



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



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

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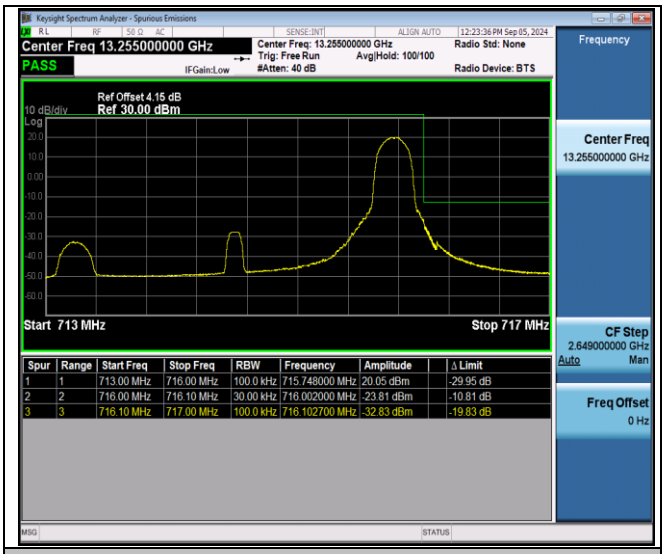
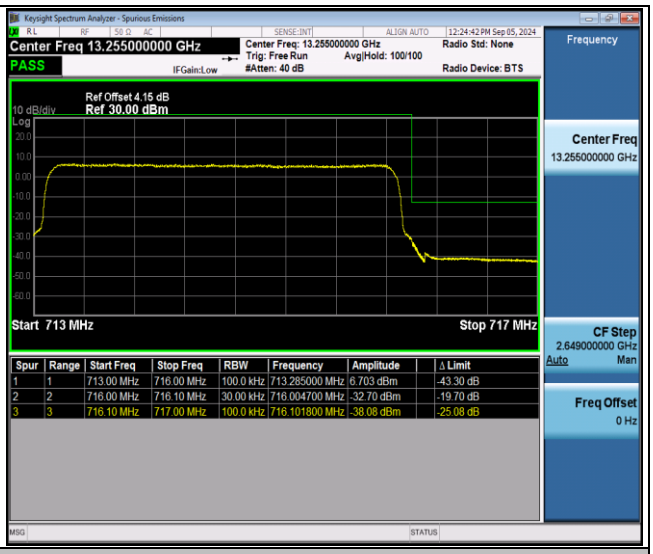
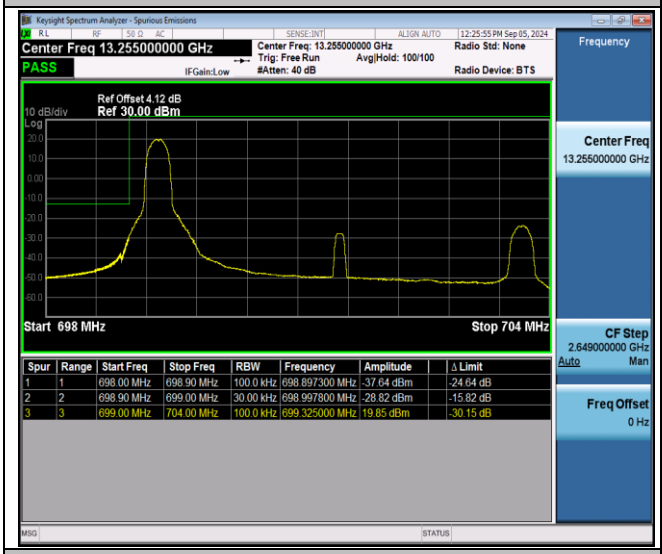


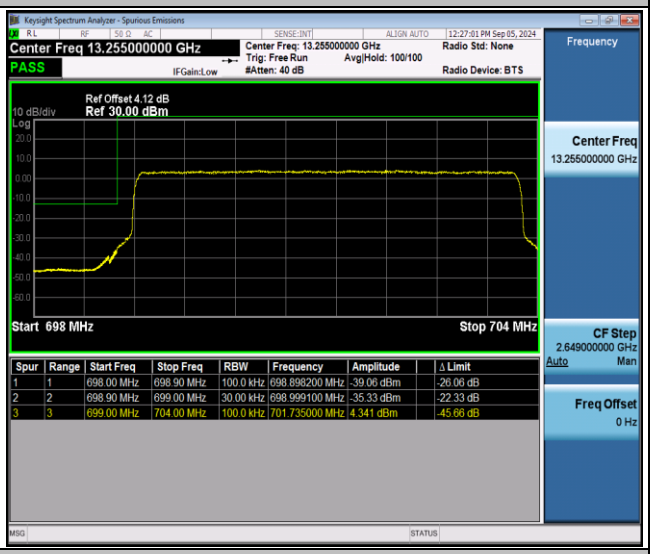
Band12-3MHz-QPSK-23165-1RB#14-PASS



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



Band12-5MHz-QPSK-23035-1RB#0-PASS



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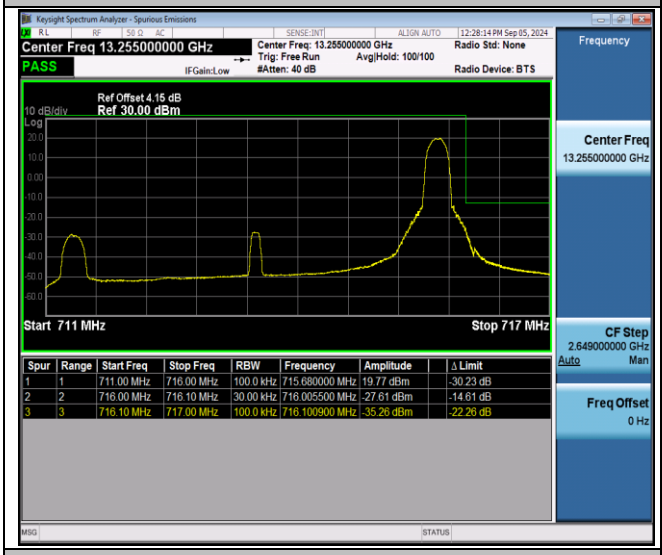
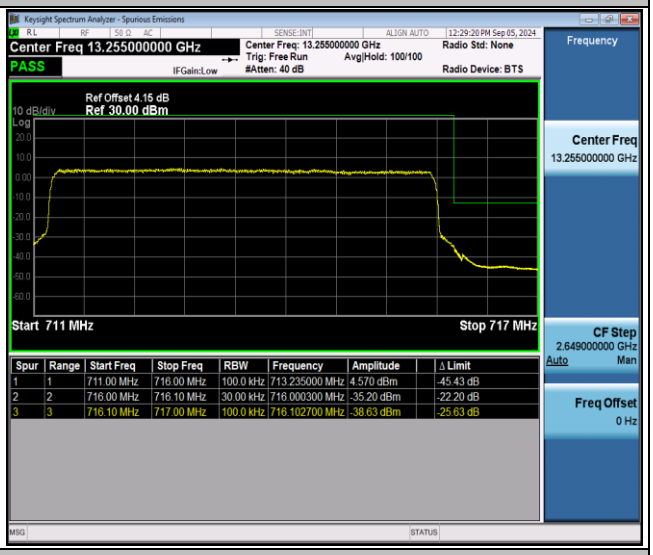


Band12-5MHz-QPSK-23155-1RB#24-PASS



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

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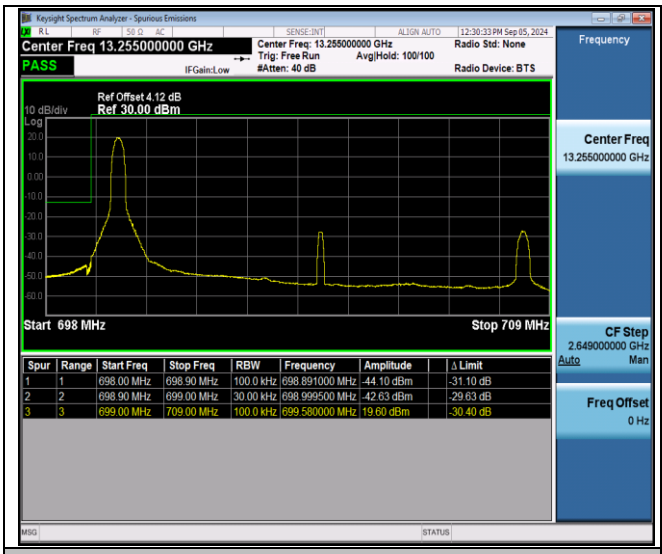
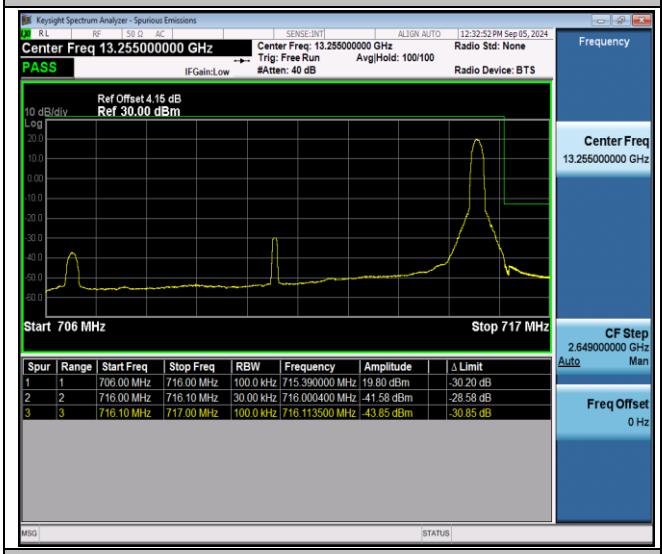


Band12-10MHz-QPSK-23060-1RB#0-PASS

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



Band12-10MHz-QPSK-23130-1RB#49-PASS

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

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