

LTE Band12 Test Data

Report No. ENS2408260033W00207R Page 16 and Page 18

Appendix A: Effective (Isotropic) Radiated Power Output Data

Report No. ENS2408260033W00207R Page 41

Appendix B: Peak-to-Average Ratio

Report No. ENS2408260033W00207R Page 21

Appendix C: 26dB Bandwidth and Occupied Bandwidth

Report No. ENS2408260033W00207R Page 23

Appendix D: Band Edge

Report No. ENS2408260033W00207R Page 25

Appendix E: Conducted Spurious Emission

Report No. ENS2408260033W00207R Page 40

Appendix F: Frequency Stability

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.47	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.49	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.44	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.50	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.49	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	24.47	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.47	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.18	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.33	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.29	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	24.33	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	24.36	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	24.22	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.31	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.29	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.29	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.29	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	24.33	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	24.33	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.31	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.36	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.72	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.78	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.69	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.55	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.55	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.47	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.62	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.23	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.36	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.58	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	23.36	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	23.28	PASS

Band12	1.4MHz	16QAM	23095	3RB#3	23.16	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	23.18	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.49	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.59	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.57	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	23.34	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	23.36	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	23.34	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.33	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.56	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.50	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.52	PASS
Band12	3MHz	QPSK	23025	8RB#0	23.53	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.51	PASS
Band12	3MHz	QPSK	23025	8RB#7	23.48	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.53	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.36	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.30	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.31	PASS
Band12	3MHz	QPSK	23095	8RB#0	23.52	PASS
Band12	3MHz	QPSK	23095	8RB#4	23.52	PASS
Band12	3MHz	QPSK	23095	8RB#7	23.28	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.43	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.40	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.32	PASS
Band12	3MHz	QPSK	23165	1RB#14	24.29	PASS
Band12	3MHz	QPSK	23165	8RB#0	23.40	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.40	PASS
Band12	3MHz	QPSK	23165	8RB#7	23.41	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.43	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.78	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.79	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.67	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.63	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.64	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.61	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.57	PASS

Band12	3MHz	16QAM	23095	1RB#0	23.55	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.49	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.49	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.67	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.56	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.47	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.50	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.62	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.61	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.59	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.47	PASS
Band12	3MHz	16QAM	23165	8RB#4	22.49	PASS
Band12	3MHz	16QAM	23165	8RB#7	22.48	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.41	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.57	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.63	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.63	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.58	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.63	PASS
Band12	5MHz	QPSK	23035	12RB#13	23.61	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.59	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.62	PASS
Band12	5MHz	QPSK	23095	1RB#12	24.53	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.40	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.43	PASS
Band12	5MHz	QPSK	23095	12RB#6	23.46	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.37	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.42	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.49	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.54	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.45	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.50	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.47	PASS
Band12	5MHz	QPSK	23155	12RB#13	23.42	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.44	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.74	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.74	PASS

Band12	5MHz	16QAM	23035	1RB#24	23.72	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.67	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.68	PASS
Band12	5MHz	16QAM	23035	12RB#13	22.69	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.83	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.82	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.77	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.72	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.59	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.64	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.52	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.50	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.80	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.83	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.72	PASS
Band12	5MHz	16QAM	23155	12RB#0	22.61	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.61	PASS
Band12	5MHz	16QAM	23155	12RB#13	22.56	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.57	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.44	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.43	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.36	PASS
Band12	10MHz	QPSK	23060	25RB#0	23.57	PASS
Band12	10MHz	QPSK	23060	25RB#12	23.55	PASS
Band12	10MHz	QPSK	23060	25RB#25	23.44	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.53	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.34	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.35	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.34	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.61	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.52	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.41	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.44	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.26	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.35	PASS
Band12	10MHz	QPSK	23130	1RB#49	24.26	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.58	PASS

Band12	10MHz	QPSK	23130	25RB#12	23.61	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.37	PASS
Band12	10MHz	QPSK	23130	50RB#0	23.41	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.47	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.83	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.57	PASS
Band12	10MHz	16QAM	23060	25RB#0	22.64	PASS
Band12	10MHz	16QAM	23060	25RB#12	22.65	PASS
Band12	10MHz	16QAM	23060	25RB#25	22.55	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.59	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.63	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.40	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.57	PASS
Band12	10MHz	16QAM	23095	25RB#0	22.59	PASS
Band12	10MHz	16QAM	23095	25RB#12	22.61	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.49	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.54	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.13	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.32	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.67	PASS
Band12	10MHz	16QAM	23130	25RB#0	22.63	PASS
Band12	10MHz	16QAM	23130	25RB#12	22.50	PASS
Band12	10MHz	16QAM	23130	25RB#25	22.50	PASS
Band12	10MHz	16QAM	23130	50RB#0	22.49	PASS

Appendix B: Peak-to-Average Ratio(CCDF)

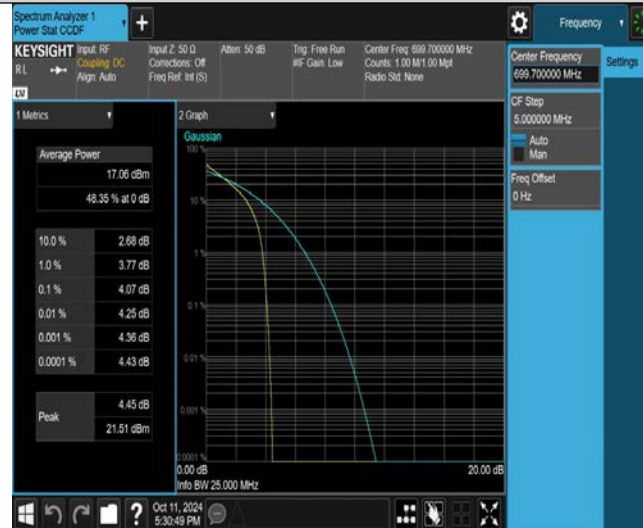
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.07	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.02	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.05	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.05	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3.95	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.99	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.87	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.39	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.88	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.32	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.63	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.23	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	3.94	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.83	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	3.90	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	4.90	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	3.82	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.76	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.62	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.22	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.68	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.32	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.65	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.18	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	3.93	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.04	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	3.89	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.19	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	3.81	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.98	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.68	13	PASS

Band12	5MHz	16QAM	23035	25RB#0	6.25	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.55	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.33	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.53	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.22	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	3.89	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.13	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	3.84	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.17	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	3.85	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.96	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.62	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.32	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.67	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.34	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.77	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.20	13	PASS

Test Graphs

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



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



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



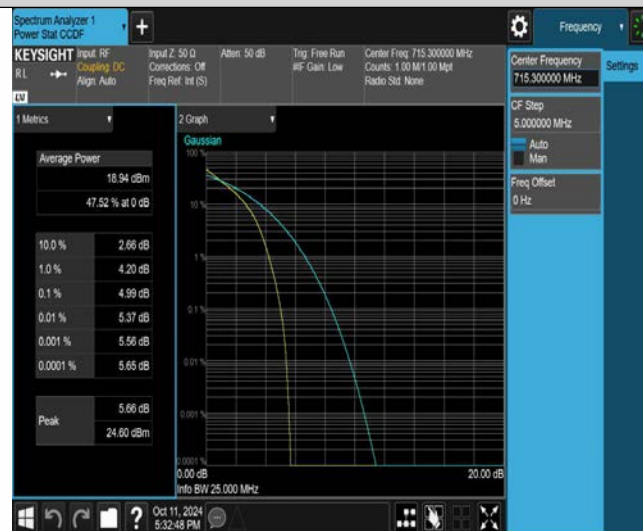
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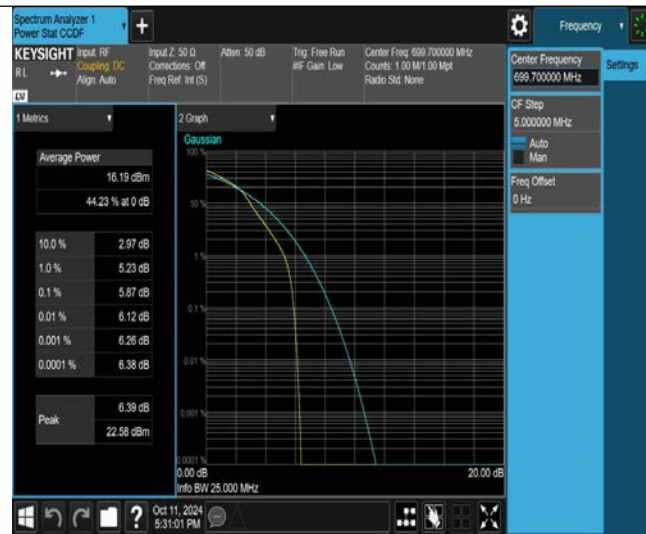
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Band12-1.4MHz-QPSK-23173-6RB#0



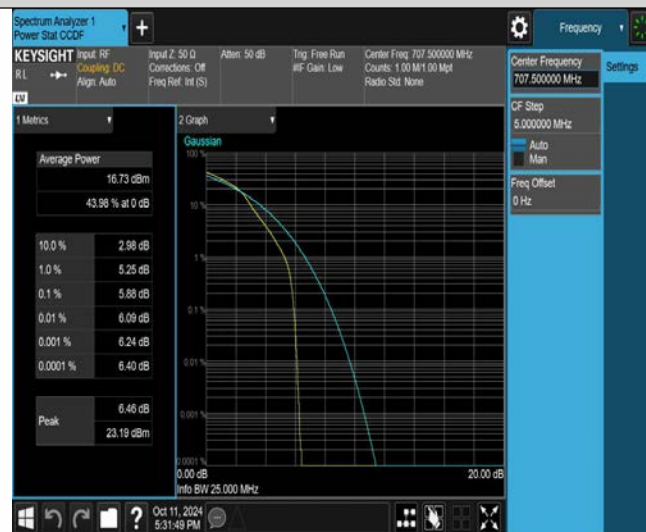
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Band12-1.4MHz-16QAM-23017-6RB#0



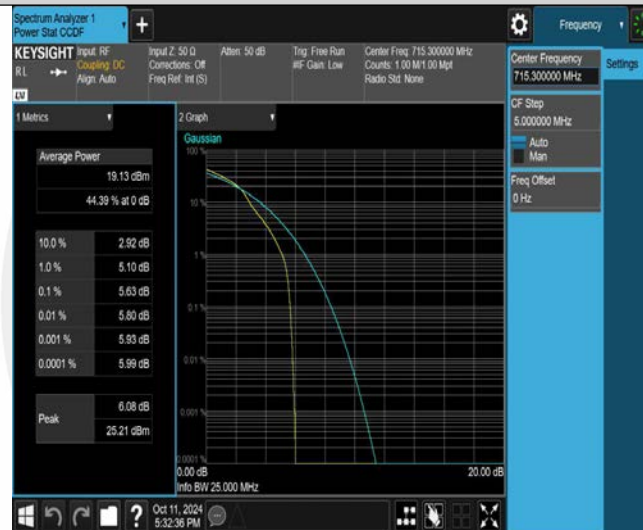
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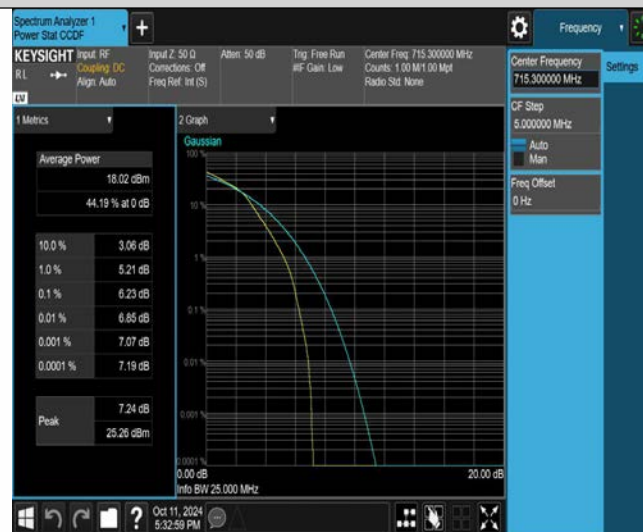
Band12-1.4MHz-16QAM-23095-6RB#0



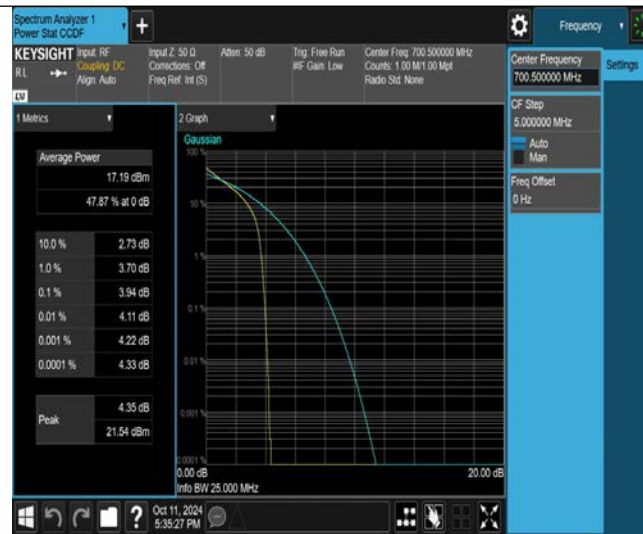
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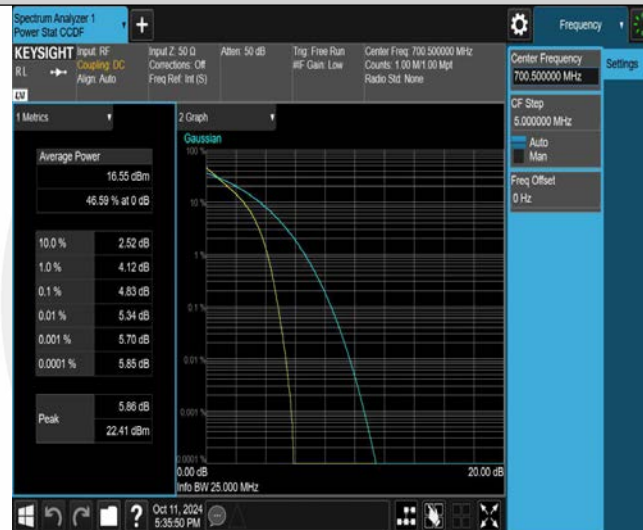
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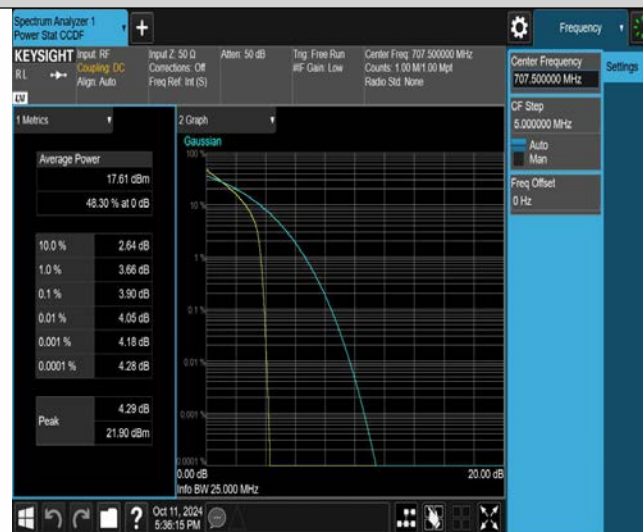
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Band12-3MHz-QPSK-23025-15RB#0



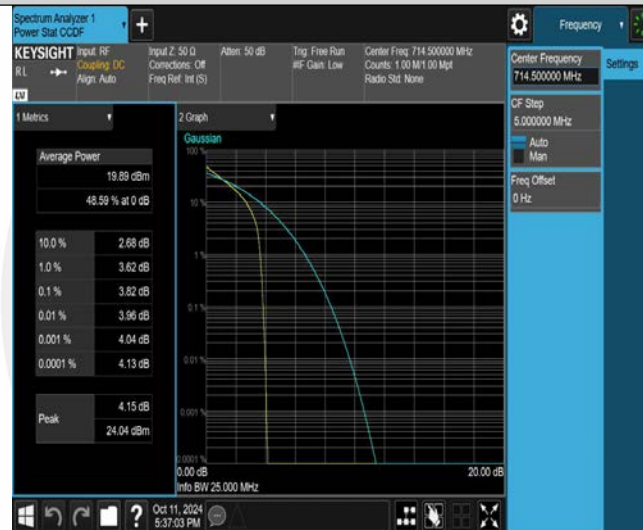
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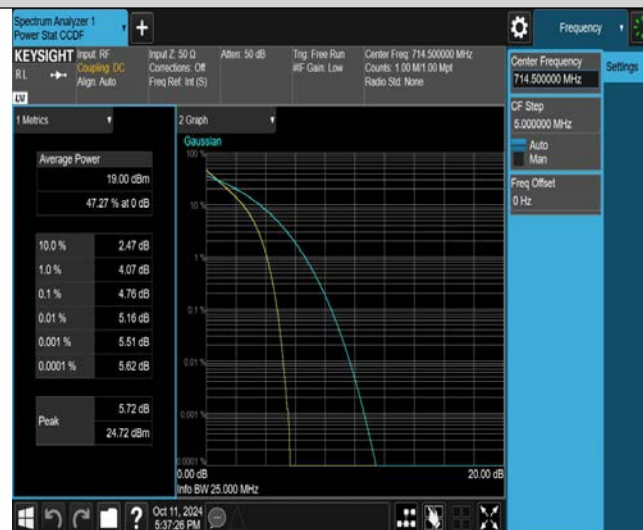
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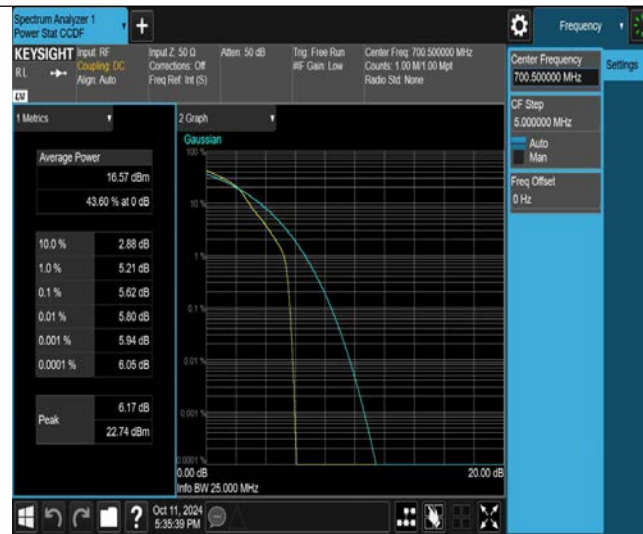
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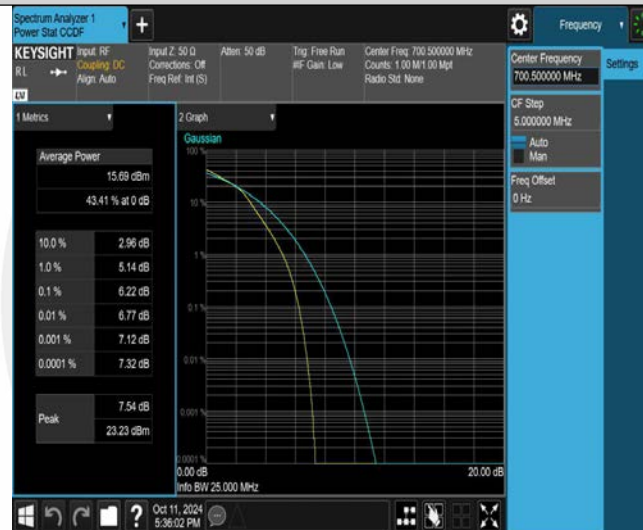
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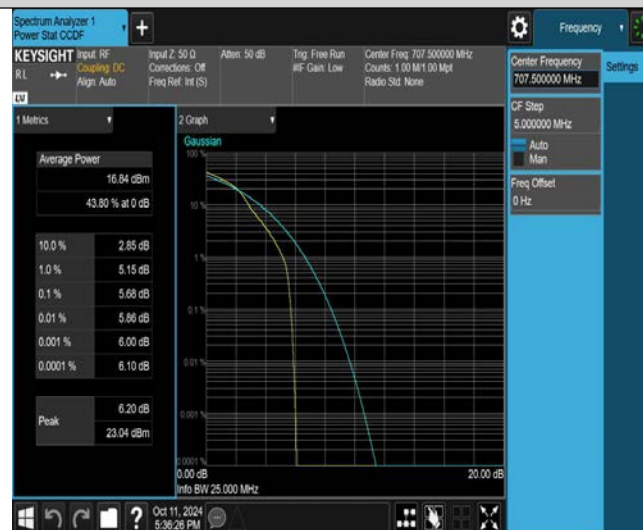
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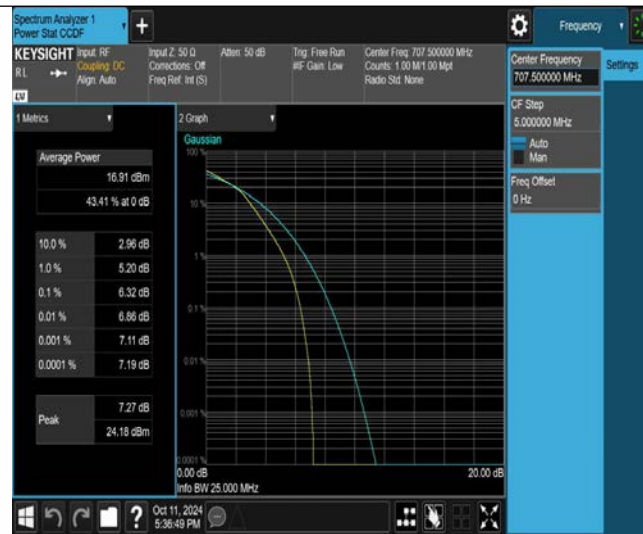
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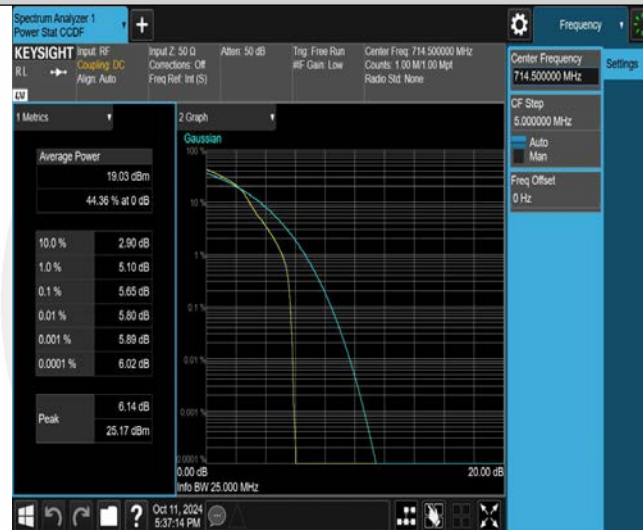
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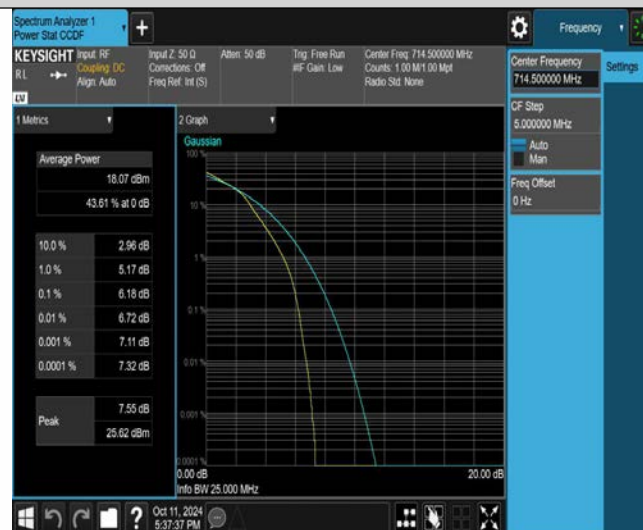
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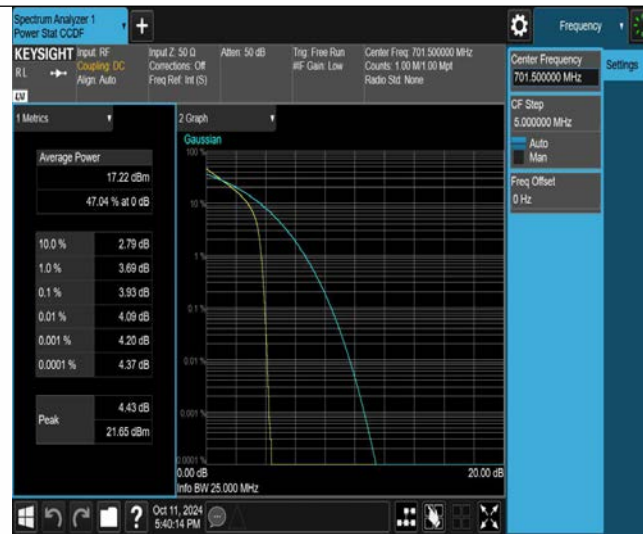
Band12-3MHz-16QAM-23165-1RB#0



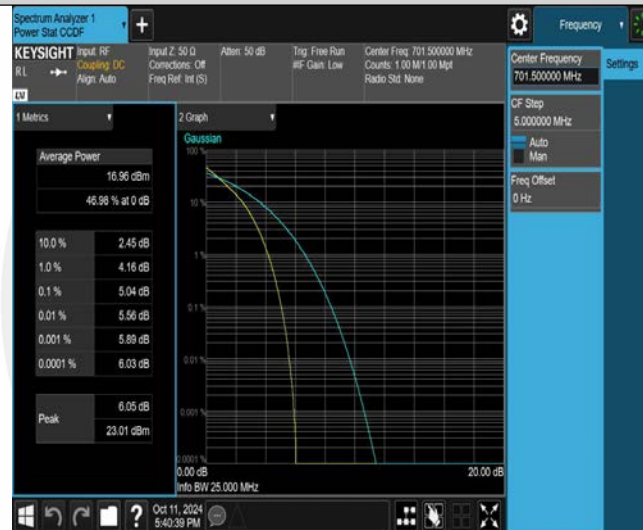
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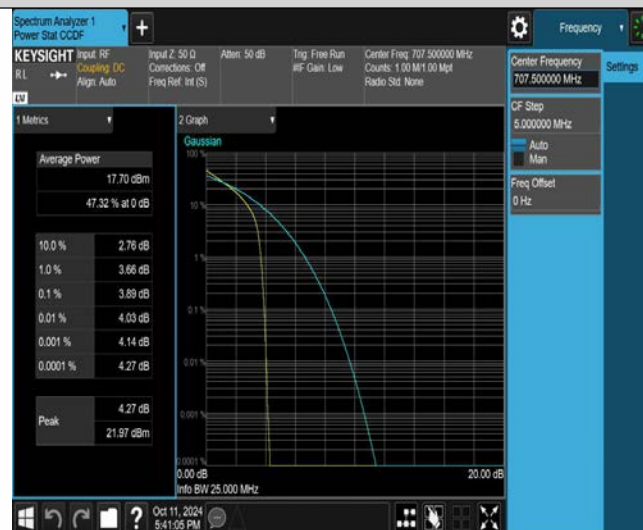
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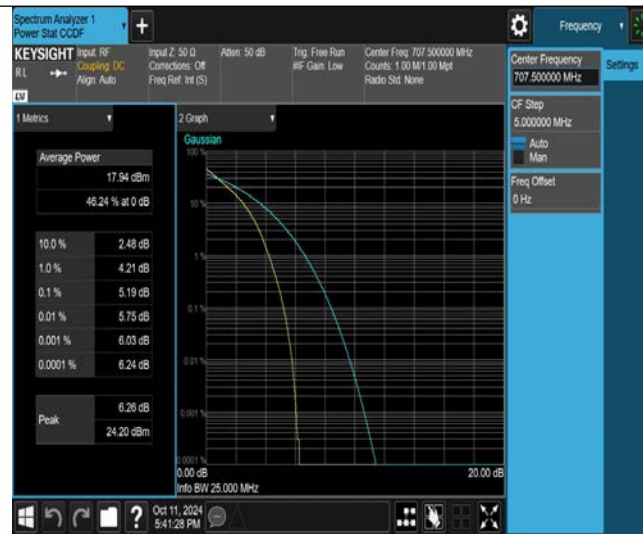
Band12-5MHz-QPSK-23035-25RB#0



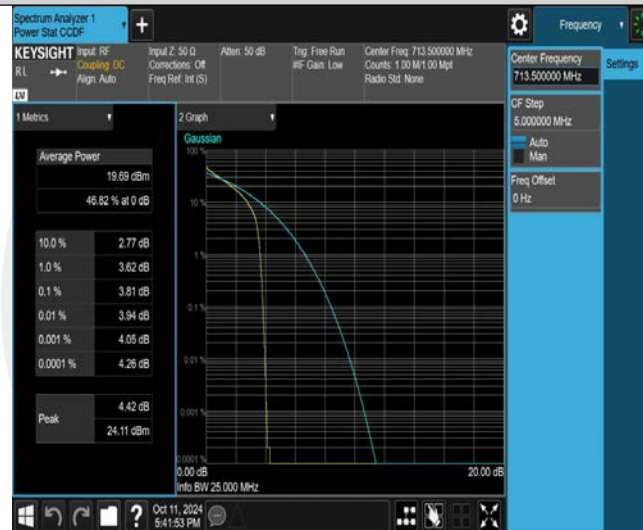
Band12-5MHz-QPSK-23095-1RB#0



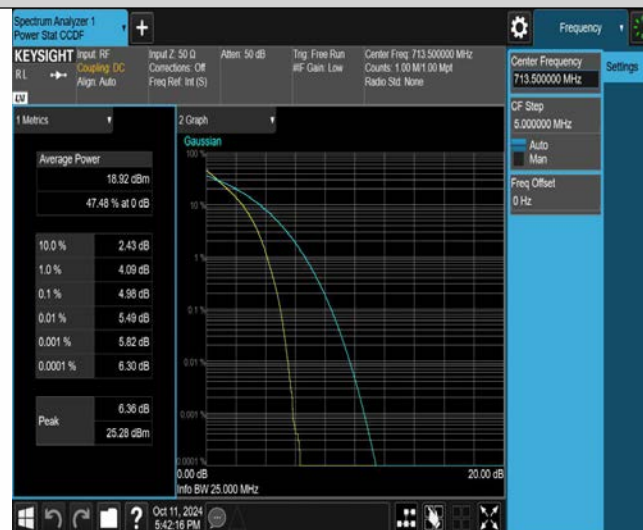
Band12-5MHz-QPSK-23095-25RB#0



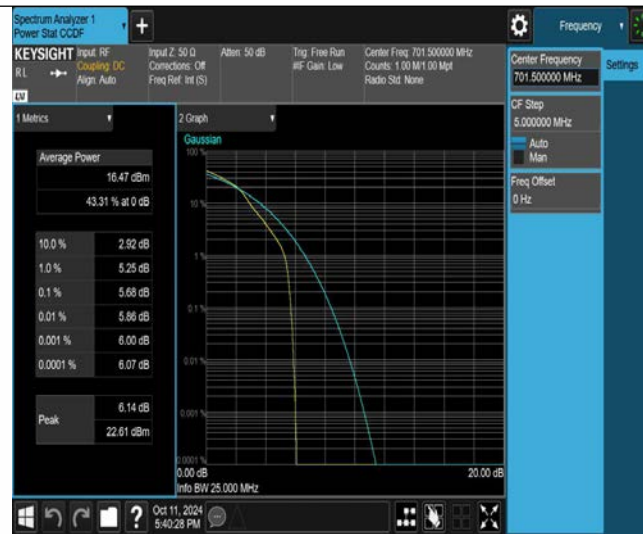
Band12-5MHz-QPSK-23155-1RB#0



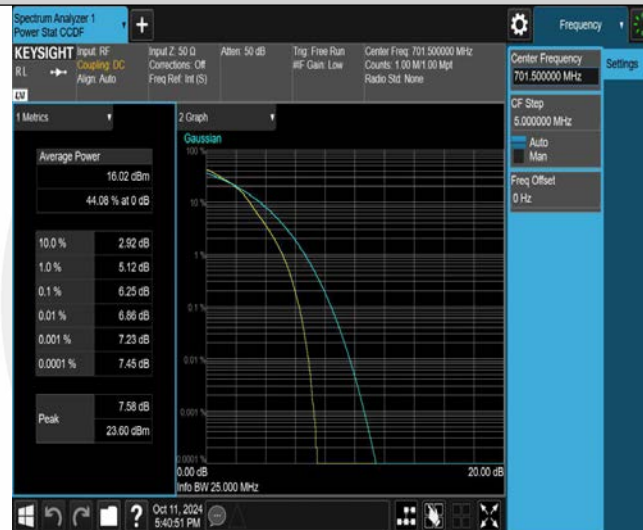
Band12-5MHz-QPSK-23155-25RB#0



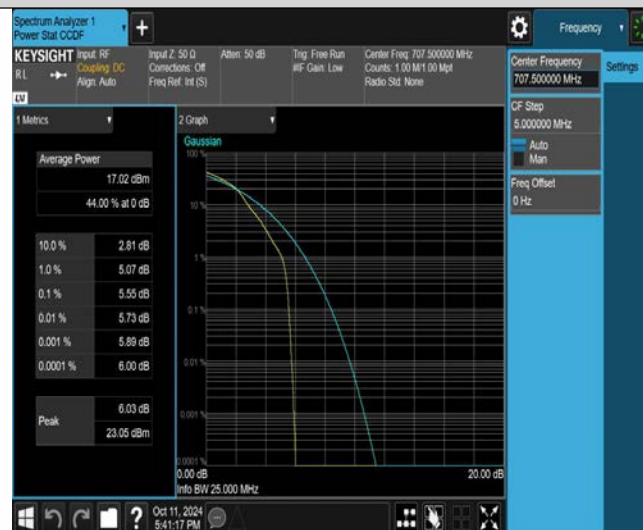
Band12-5MHz-16QAM-23035-1RB#0



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



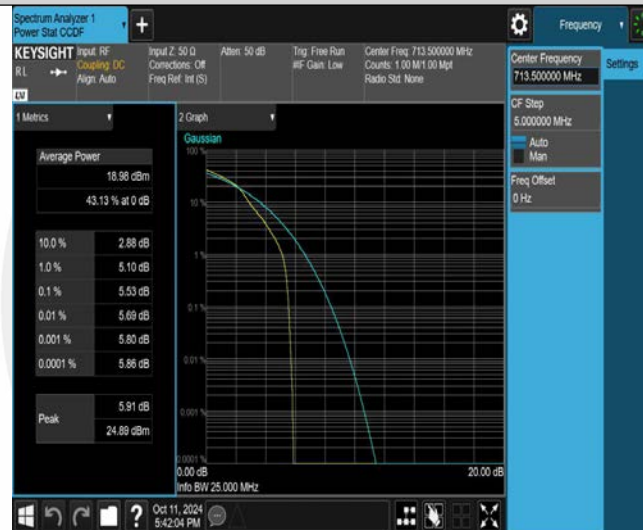
Band12-5MHz-16QAM-23095-1RB#0



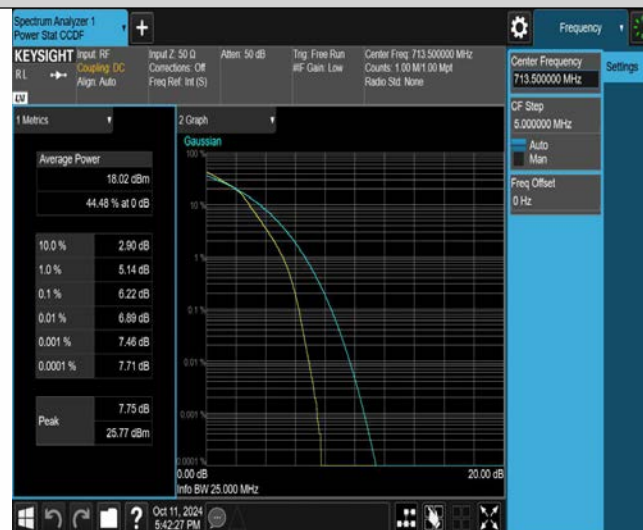
Band12-5MHz-16QAM-23095-25RB#0



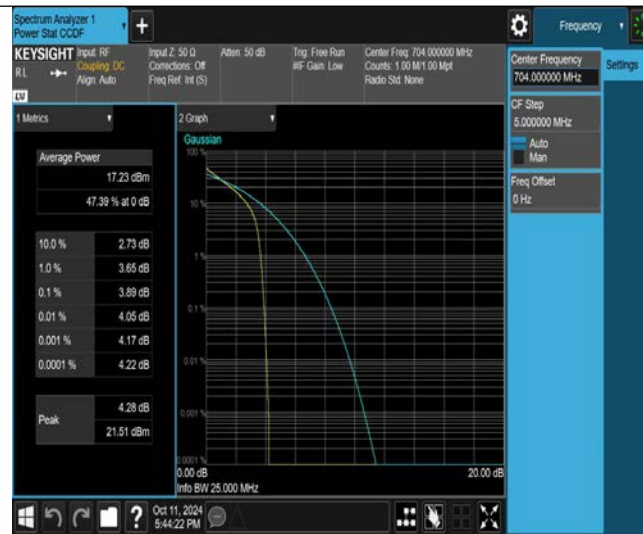
Band12-5MHz-16QAM-23155-1RB#0



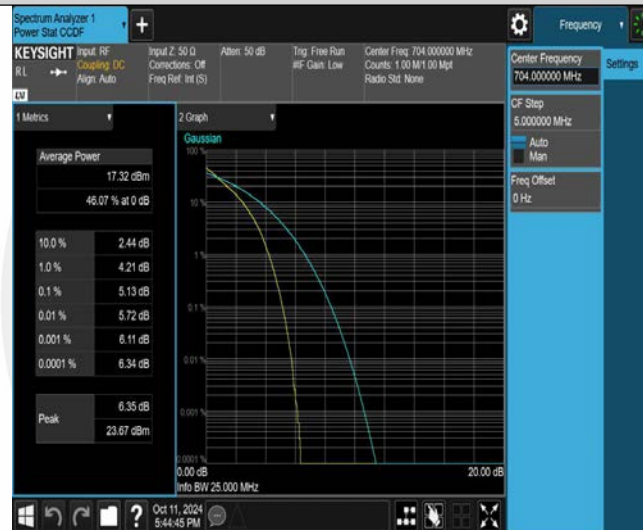
Band12-5MHz-16QAM-23155-25RB#0



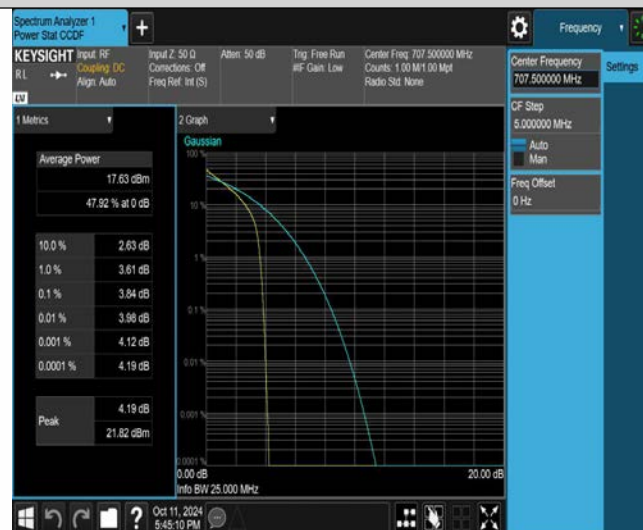
Band12-10MHz-QPSK-23060-1RB#0



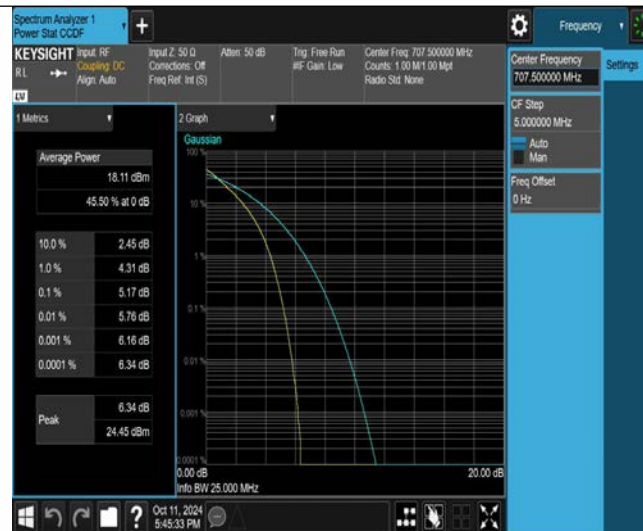
Band12-10MHz-QPSK-23060-50RB#0



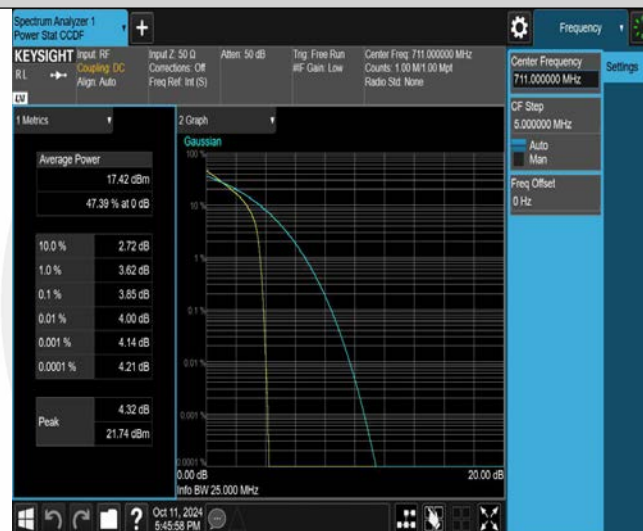
Band12-10MHz-QPSK-23095-1RB#0



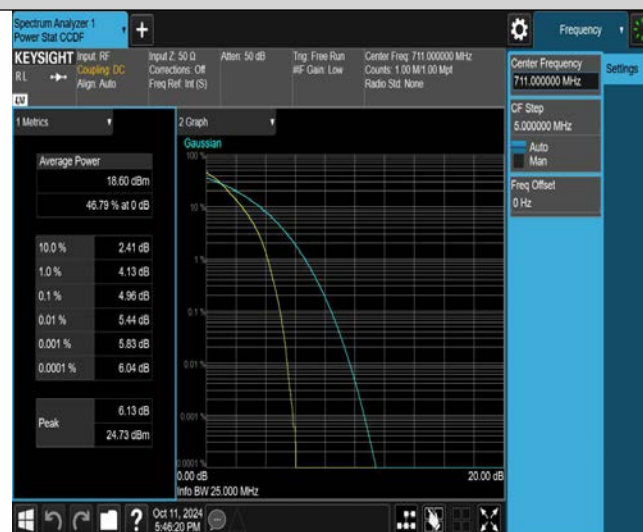
Band12-10MHz-QPSK-23095-50RB#0



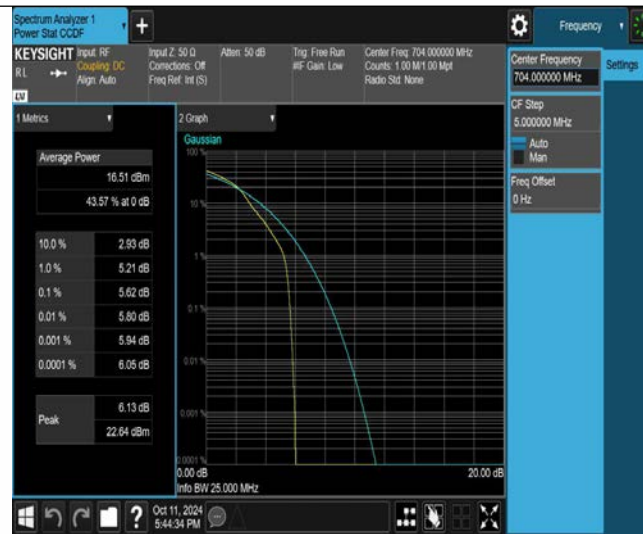
Band12-10MHz-QPSK-23130-1RB#0



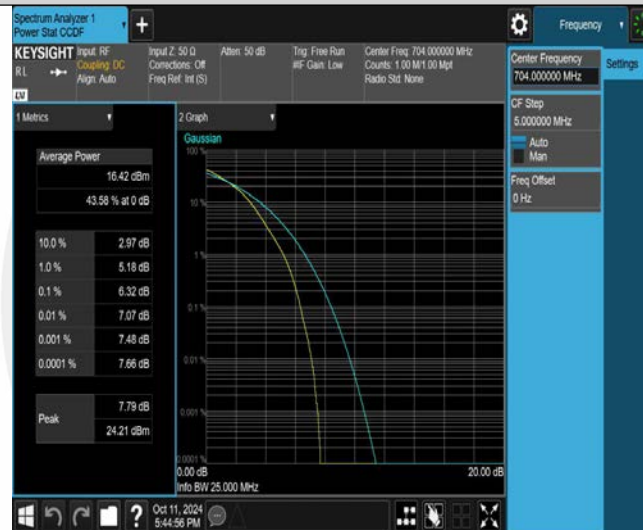
Band12-10MHz-QPSK-23130-50RB#0



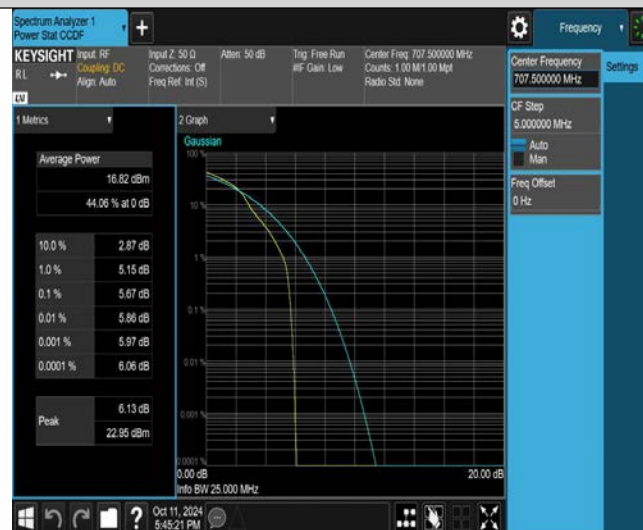
Band12-10MHz-16QAM-23060-1RB#0



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



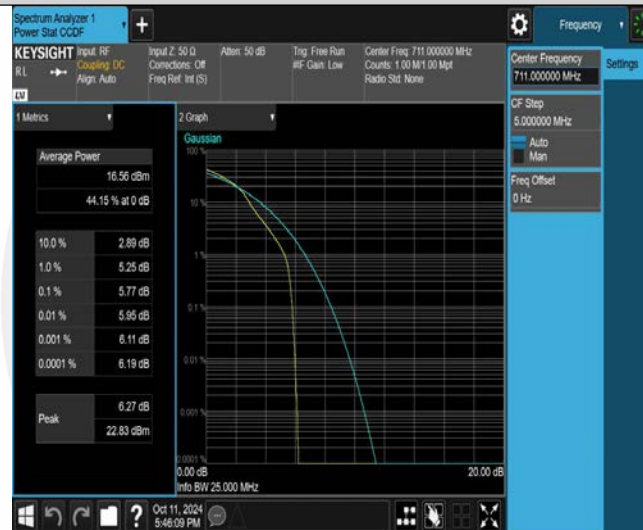
Band12-10MHz-16QAM-23095-1RB#0



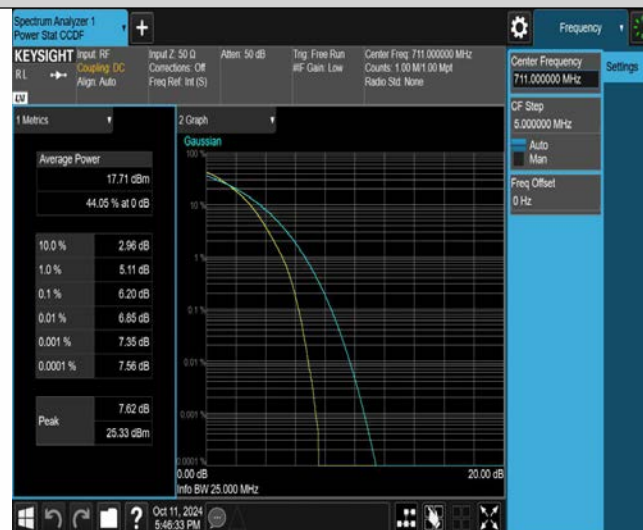
Band12-10MHz-16QAM-23095-50RB#0



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



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



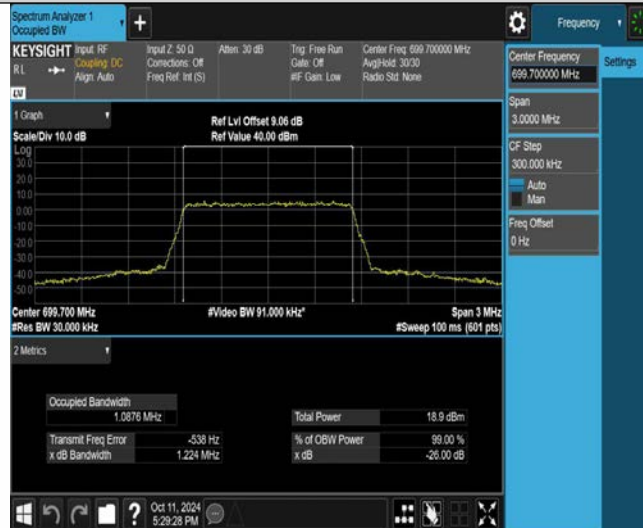
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

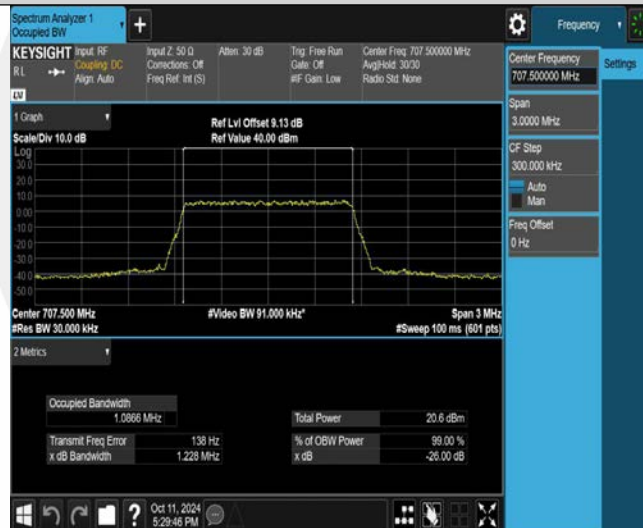
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0876	1.224	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0866	1.228	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0932	1.220	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0895	1.206	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0906	1.223	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0883	1.224	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6948	2.905	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6986	2.929	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7005	2.925	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6930	2.889	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6923	2.934	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6981	2.912	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4966	4.867	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5033	4.866	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5029	4.856	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5016	4.819	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5088	4.873	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5022	4.840	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9973	9.585	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0017	9.556	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9500	9.494	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9866	9.521	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9976	9.530	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9499	9.485	PASS

Test Graphs

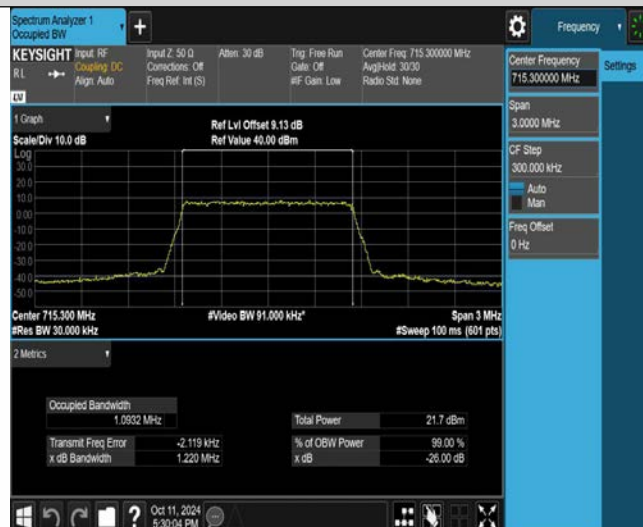
Band12-1.4MHz-QPSK-23017-6RB#0



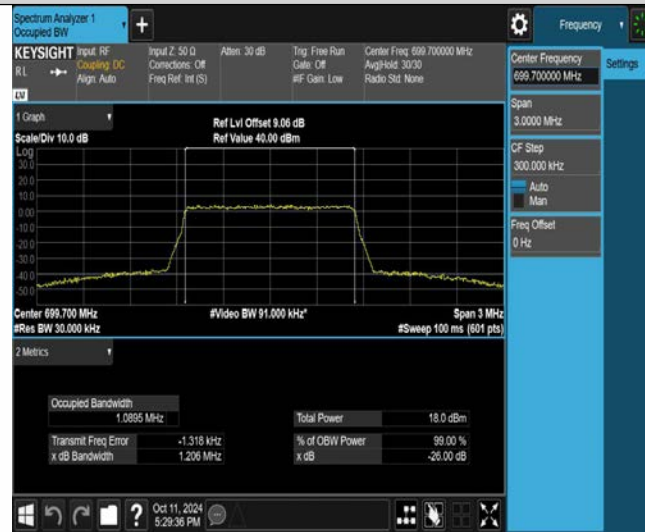
Band12-1.4MHz-QPSK-23095-6RB#0



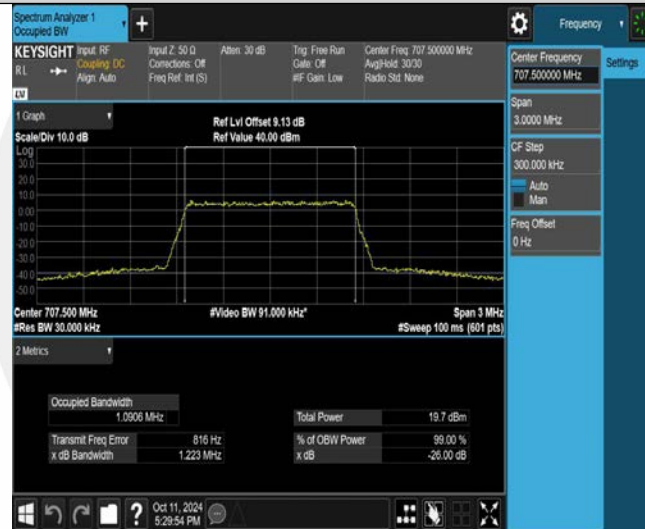
Band12-1.4MHz-QPSK-23173-6RB#0



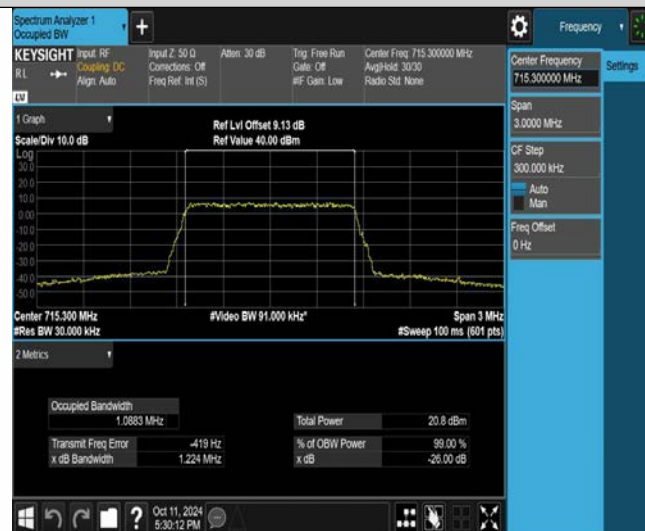
Band12-1.4MHz-16QAM-23017-6RB#0



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



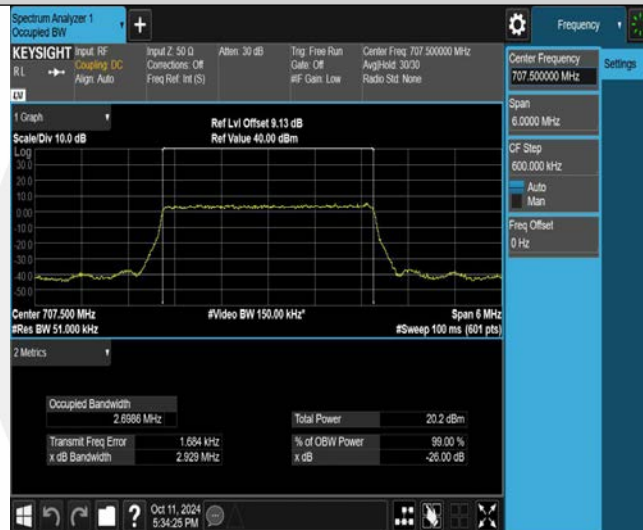
Band12-1.4MHz-16QAM-23173-6RB#0



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



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



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



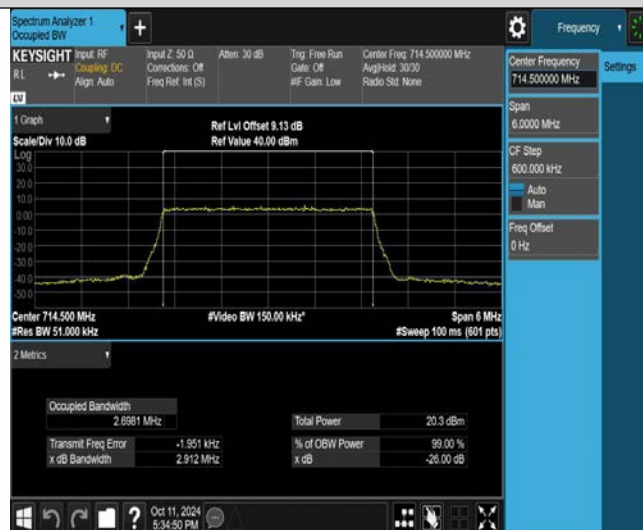
Band12-3MHz-16QAM-23025-15RB#0



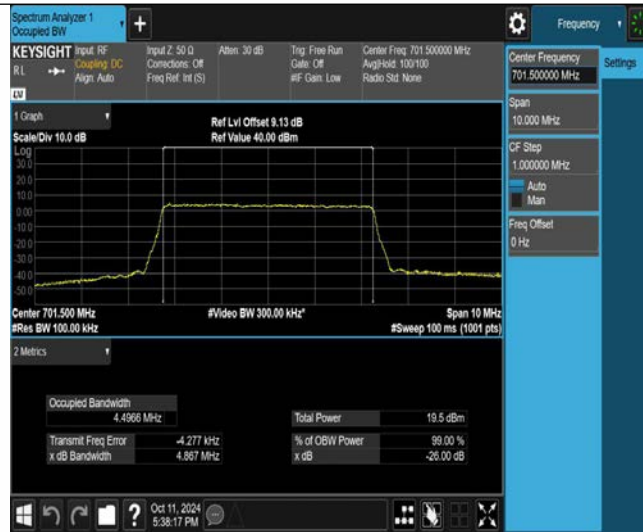
Band12-3MHz-16QAM-23095-15RB#0



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



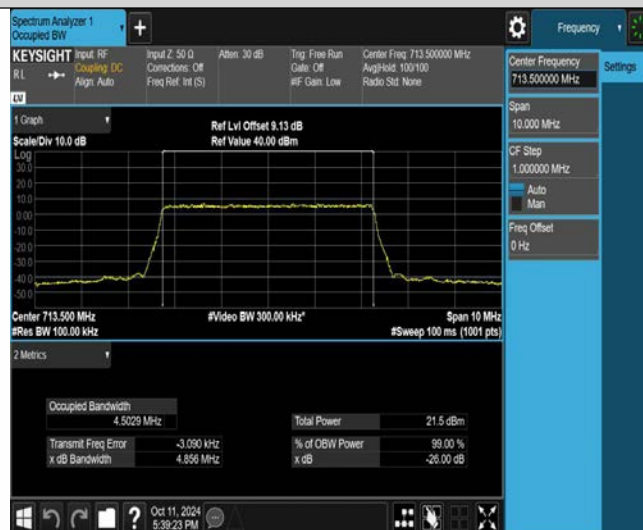
Band12-5MHz-QPSK-23035-25RB#0



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



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



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



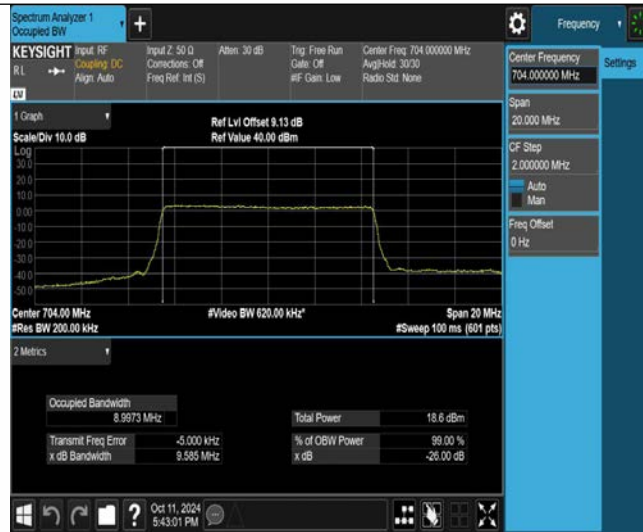
Band12-5MHz-16QAM-23095-25RB#0



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



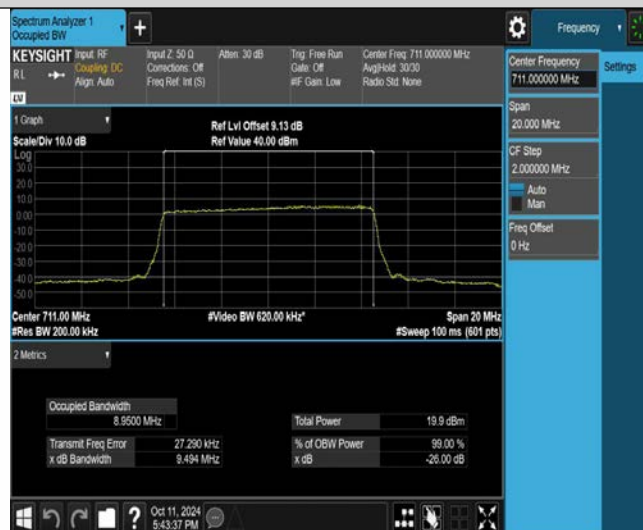
Band12-10MHz-QPSK-23060-50RB#0



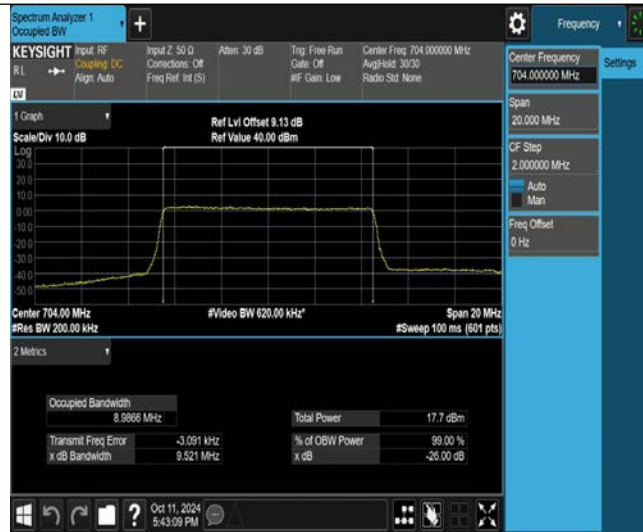
Band12-10MHz-QPSK-23095-50RB#0



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



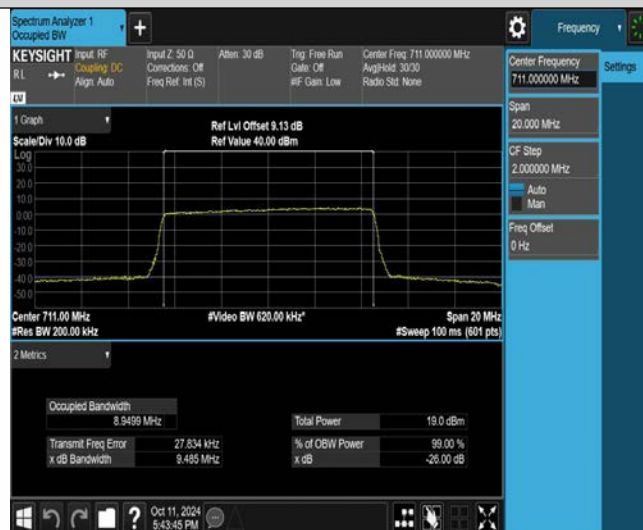
Band12-10MHz-16QAM-23060-50RB#0



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



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



Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-35.27,-29.13	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-48.09,-48.81	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-32.59,-31.25	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-44.30,-43.37	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-29.09,-34.80	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-31.28,-33.06	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-35.00,-29.53	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-48.49,-48.78	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-32.75,-31.63	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-45.89,-45.44	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-29.88,-34.58	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-32.59,-32.75	PASS
Band12	3MHz	QPSK	23025	1RB#0	-27.12,-13.95	PASS
Band12	3MHz	QPSK	23025	1RB#14	-45.80,-42.66	PASS
Band12	3MHz	QPSK	23025	15RB#0	-29.84,-19.74	PASS
Band12	3MHz	QPSK	23165	1RB#0	-45.02,-48.96	PASS
Band12	3MHz	QPSK	23165	1RB#14	-44.26,-52.13	PASS
Band12	3MHz	QPSK	23165	15RB#0	-19.94,-27.93	PASS
Band12	3MHz	16QAM	23025	1RB#0	-30.11,-15.68	PASS
Band12	3MHz	16QAM	23025	1RB#14	-45.53,-47.79	PASS
Band12	3MHz	16QAM	23025	15RB#0	-32.42,-22.98	PASS
Band12	3MHz	16QAM	23165	1RB#0	-47.15,-43.72	PASS
Band12	3MHz	16QAM	23165	1RB#14	-54.59,-53.51	PASS
Band12	3MHz	16QAM	23165	15RB#0	-18.44,-30.46	PASS
Band12	5MHz	QPSK	23035	1RB#0	-14.95	PASS
Band12	5MHz	QPSK	23035	1RB#24	-48.44	PASS
Band12	5MHz	QPSK	23035	25RB#0	-22.24	PASS
Band12	5MHz	QPSK	23155	1RB#0	-48.81	PASS
Band12	5MHz	QPSK	23155	1RB#24	-20.98	PASS
Band12	5MHz	QPSK	23155	25RB#0	-19.39	PASS
Band12	5MHz	16QAM	23035	1RB#0	-16.63	PASS
Band12	5MHz	16QAM	23035	1RB#24	-49.56	PASS

Band12	5MHz	16QAM	23035	25RB#0	-24.24	PASS
Band12	5MHz	16QAM	23155	1RB#0	-47.51	PASS
Band12	5MHz	16QAM	23155	1RB#24	-24.15	PASS
Band12	5MHz	16QAM	23155	25RB#0	-21.45	PASS
Band12	10MHz	QPSK	23060	1RB#0	-30.32,-22.71	PASS
Band12	10MHz	QPSK	23060	1RB#49	-46.24,-41.37	PASS
Band12	10MHz	QPSK	23060	50RB#0	-26.43,-23.24	PASS
Band12	10MHz	QPSK	23130	1RB#0	-42.29,-45.11	PASS
Band12	10MHz	QPSK	23130	1RB#49	-19.61,-27.53	PASS
Band12	10MHz	QPSK	23130	50RB#0	-21.57,-25.07	PASS
Band12	10MHz	16QAM	23060	1RB#0	-32.71,-24.47	PASS
Band12	10MHz	16QAM	23060	1RB#49	-48.81,-46.05	PASS
Band12	10MHz	16QAM	23060	50RB#0	-30.43,-27.80	PASS
Band12	10MHz	16QAM	23130	1RB#0	-44.50,-47.93	PASS
Band12	10MHz	16QAM	23130	1RB#49	-20.22,-28.75	PASS
Band12	10MHz	16QAM	23130	50RB#0	-25.59,-28.80	PASS

Test Graphs

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



Band12-1.4MHz-QPSK-23017-1RB#5



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



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



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



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



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



Band 12-1.4MHz-16QAM-23017-1RB#5



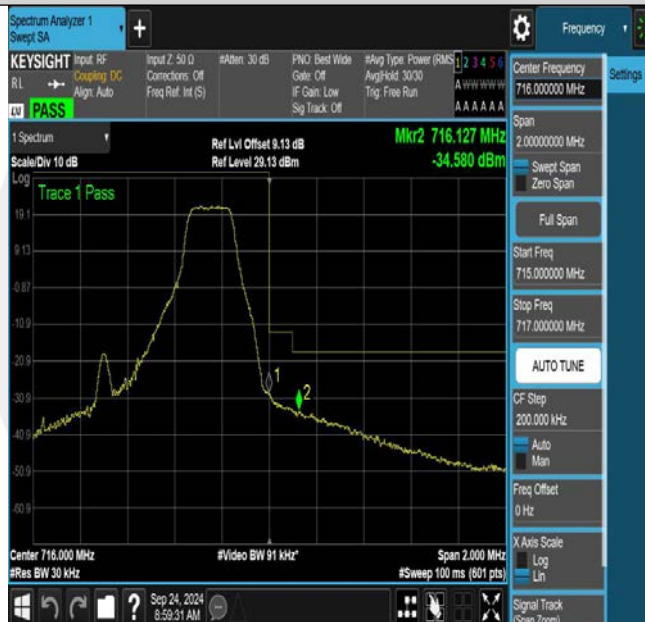
Band 12-1.4MHz-16QAM-23017-6RB#0



Band 12-1.4MHz-16QAM-23173-1RB#0



Band12-1.4MHz-16QAM-23173-1RB#5



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



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



Band12-3MHz-QPSK-23025-1RB#14



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



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



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



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



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



Band12-3MHz-16QAM-23025-1RB#14



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



Band12-3MHz-16QAM-23165-1RB#0



Band12-3MHz-16QAM-23165-1RB#14



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



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





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



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



Band12-5MHz-16QAM-23035-1RB#0



Band12-5MHz-16QAM-23035-1RB#24



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



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



Band12-5MHz-16QAM-23155-1RB#24



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



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



Band12-10MHz-QPSK-23060-1RB#49



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



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



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



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



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



Band12-10MHz-16QAM-23060-1RB#49



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



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



Band12-10MHz-16QAM-23130-1RB#49



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



Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-28.08	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-30.72	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-28.03	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-28.25	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-27.83	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-30.9	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-27.31	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-31.98	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-28.25	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-26.26	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-27.63	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-30.96	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-28.03	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~10000MHz	-31.64	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-28.12	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-30.19	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-28.68	PASS

					00MHz		
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~10000MHz	-31.22	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-27.52	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~10000MHz	-31.37	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-26.48	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-26.48	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-28.47	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~10000MHz	-28.33	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-27.83	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~10000MHz	-27.79	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-27.01	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-29.34	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-27.37	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~10000MHz	-21.15	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-28.36	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~10000MHz	-29.3	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-28.15	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-31.47	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-28.12	PASS

Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~10000MHz	-25.98	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-27.54	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-30.76	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-26.19	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-27.95	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-28.46	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-27.2	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-28.45	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-31.77	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-27.6	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-31.45	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-27.78	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-28.2	PASS

Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-QPSK-23017-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-16QAM-23173-1RB#0-Range2:1000~10000MHz



Band12-3MHz-QPSK-23025-1RB#0-Range1:30~1000MHz



Band12-3MHz-QPSK-23025-1RB#0-Range2:1000~10000MHz



Band12-3MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



Band12-3MHz-QPSK-23165-1RB#0-Range1:30~1000MHz



Band12-3MHz-QPSK-23165-1RB#0-Range2: 1000~10000MHz



Band12-3MHz-16QAM-23025-1RB#0-Range1:30~1000MHz



Band12-3MHz-16QAM-23025-1RB#0-Range2:1000~10000MHz



Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz