

LTE Band12 Test Data

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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	21.91	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.02	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.00	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.04	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.02	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.02	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.04	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.09	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.04	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.00	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.07	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.08	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.04	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.08	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.03	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.02	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.14	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	21.99	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	21.91	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.00	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	21.93	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	21.81	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.84	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.77	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.98	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.99	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.04	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.04	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	21.91	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.95	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.96	PASS

Band12	1.4MHz	16QAM	23095	3RB#3	21.92	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.09	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.10	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.09	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	21.99	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	21.89	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.91	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.84	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.98	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.22	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.24	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.12	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.20	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.14	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.09	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.00	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.11	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.07	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.02	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.10	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.08	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.08	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.11	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.11	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.10	PASS
Band12	3MHz	QPSK	23165	1RB#14	21.95	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.09	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.13	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.12	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.07	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.39	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.17	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.10	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.27	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.08	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.16	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.20	PASS

Band12	3MHz	16QAM	23095	1RB#0	21.99	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.93	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.90	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.11	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.12	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.11	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.06	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.89	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.93	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.68	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.09	PASS
Band12	3MHz	16QAM	23165	8RB#4	22.12	PASS
Band12	3MHz	16QAM	23165	8RB#7	22.13	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.99	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.19	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.44	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.22	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.24	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.98	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.16	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.09	PASS
Band12	5MHz	QPSK	23095	1RB#0	21.91	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.19	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.14	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.24	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.20	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.17	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.14	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.05	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.20	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.16	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.12	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.12	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.15	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.14	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.33	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.30	PASS

Band12	5MHz	16QAM	23035	1RB#24	22.23	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.13	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.16	PASS
Band12	5MHz	16QAM	23035	12RB#13	22.11	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.15	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.28	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.27	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.25	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.25	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.23	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.15	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.09	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.95	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.21	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.07	PASS
Band12	5MHz	16QAM	23155	12RB#0	22.22	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.19	PASS
Band12	5MHz	16QAM	23155	12RB#13	22.20	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.08	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.42	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.29	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.22	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.24	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.13	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.28	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.09	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.11	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.10	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.10	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.32	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.04	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.12	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.17	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.06	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.04	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.14	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.18	PASS

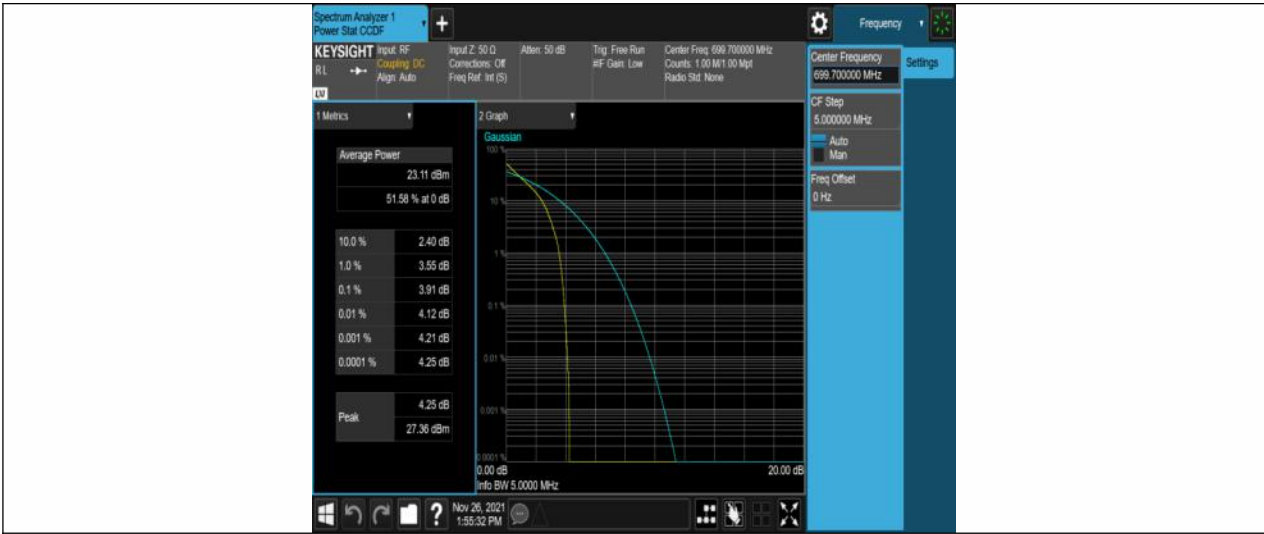
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Band12	10MHz	QPSK	23130	25RB#25	22.18	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.24	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.29	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.20	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.24	PASS
Band12	10MHz	16QAM	23060	25RB#0	22.10	PASS
Band12	10MHz	16QAM	23060	25RB#12	22.07	PASS
Band12	10MHz	16QAM	23060	25RB#25	22.16	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.11	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.01	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.91	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.89	PASS
Band12	10MHz	16QAM	23095	25RB#0	22.16	PASS
Band12	10MHz	16QAM	23095	25RB#12	22.16	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.22	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.21	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.79	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.82	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.88	PASS
Band12	10MHz	16QAM	23130	25RB#0	22.11	PASS
Band12	10MHz	16QAM	23130	25RB#12	22.15	PASS
Band12	10MHz	16QAM	23130	25RB#25	22.21	PASS
Band12	10MHz	16QAM	23130	50RB#0	22.22	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	6RB#0	3.91	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	4.88	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.89	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	4.19	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.32	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.21	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.37	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	4.85	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.94	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	4.65	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.30	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.39	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.97	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.95	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.05	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.36	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.42	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.49	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	4.77	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.53	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.58	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.13	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.84	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.69	13	PASS

Test Graphs



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



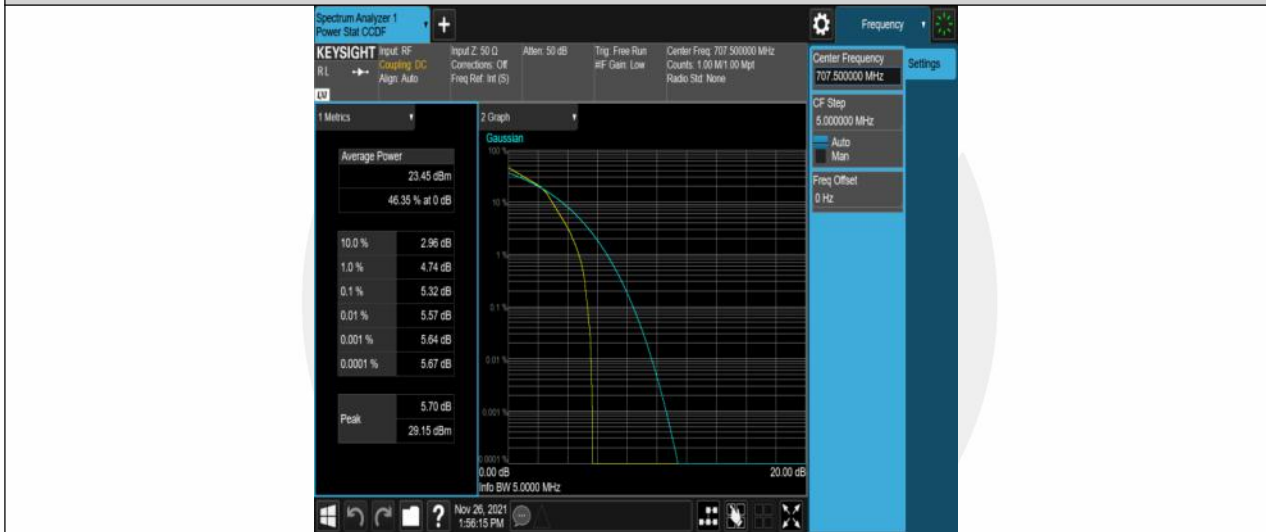
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Band12-1.4MHz-QPSK-23173-6RB#0



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



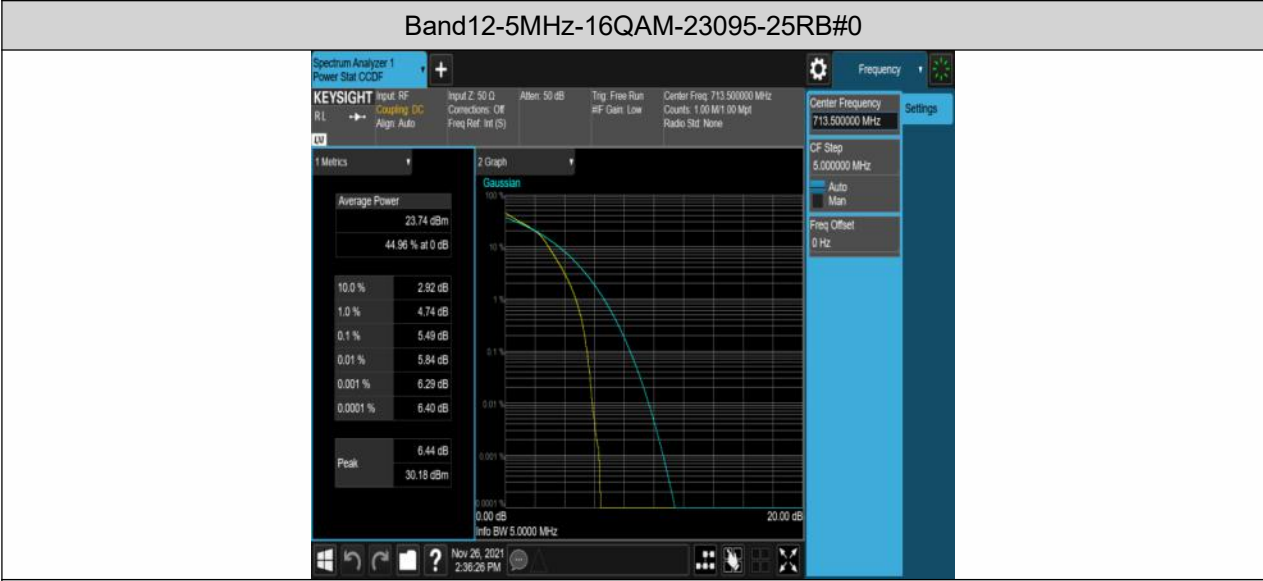
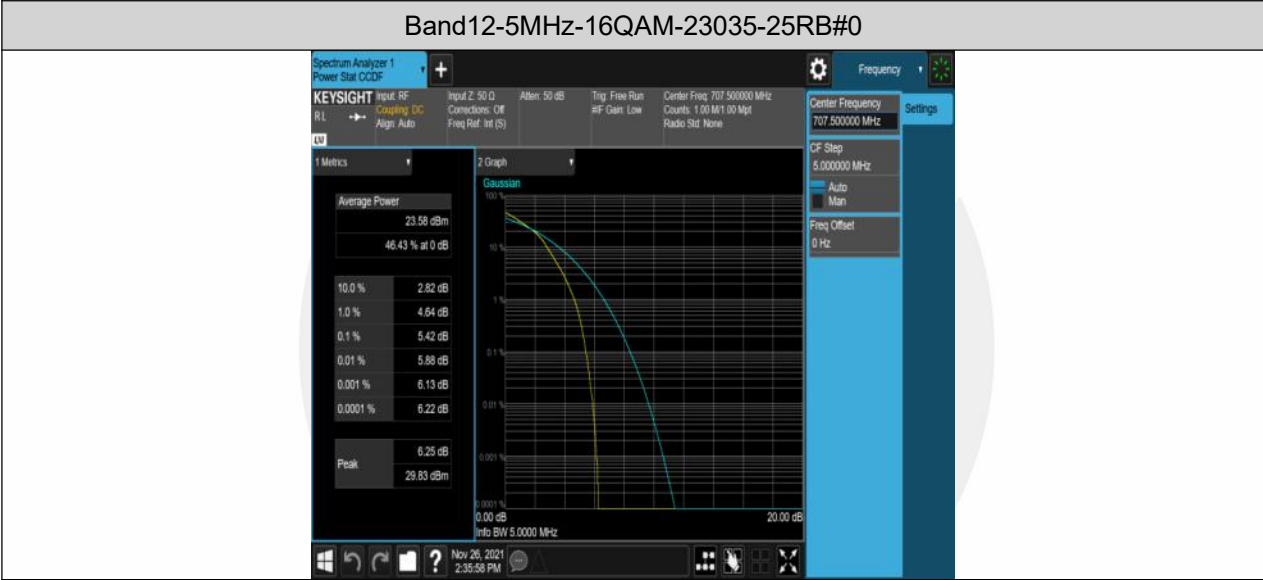
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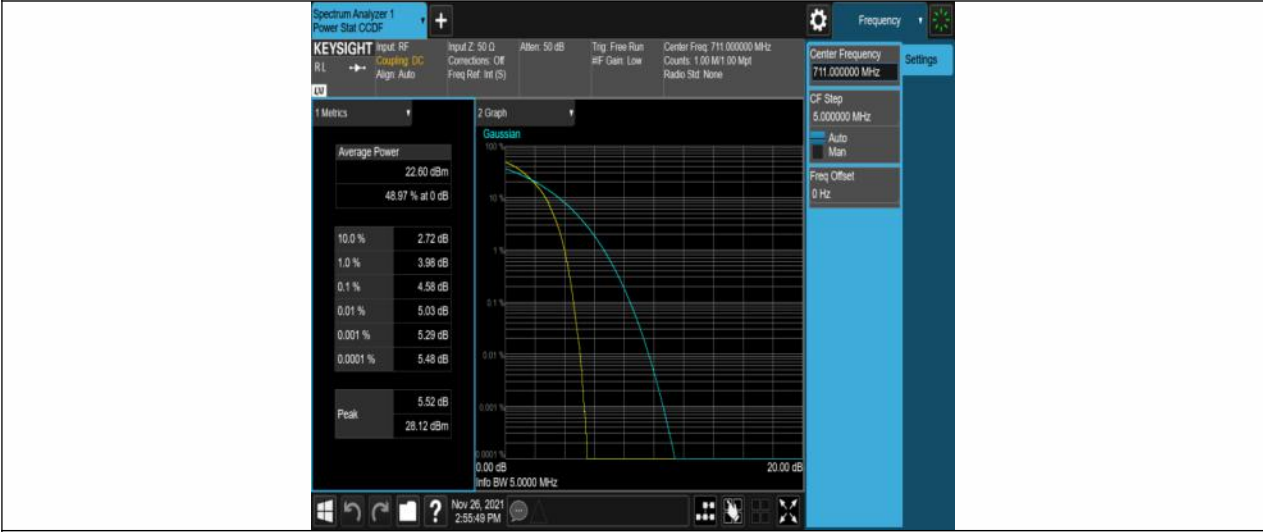




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Band12-10MHz-QPSK-23095-50RB#0



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



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



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



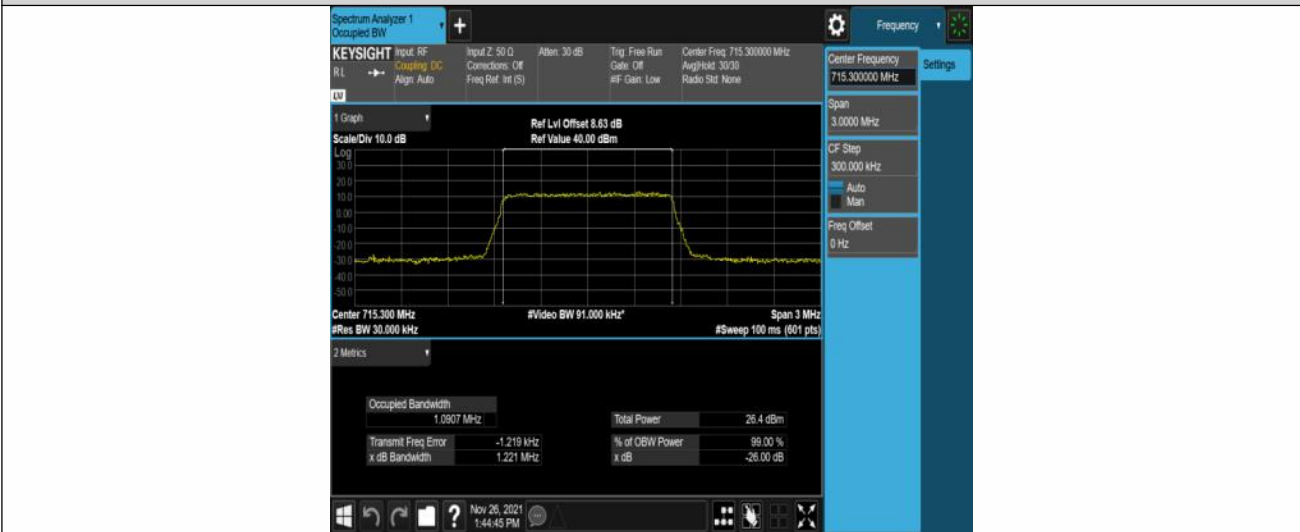
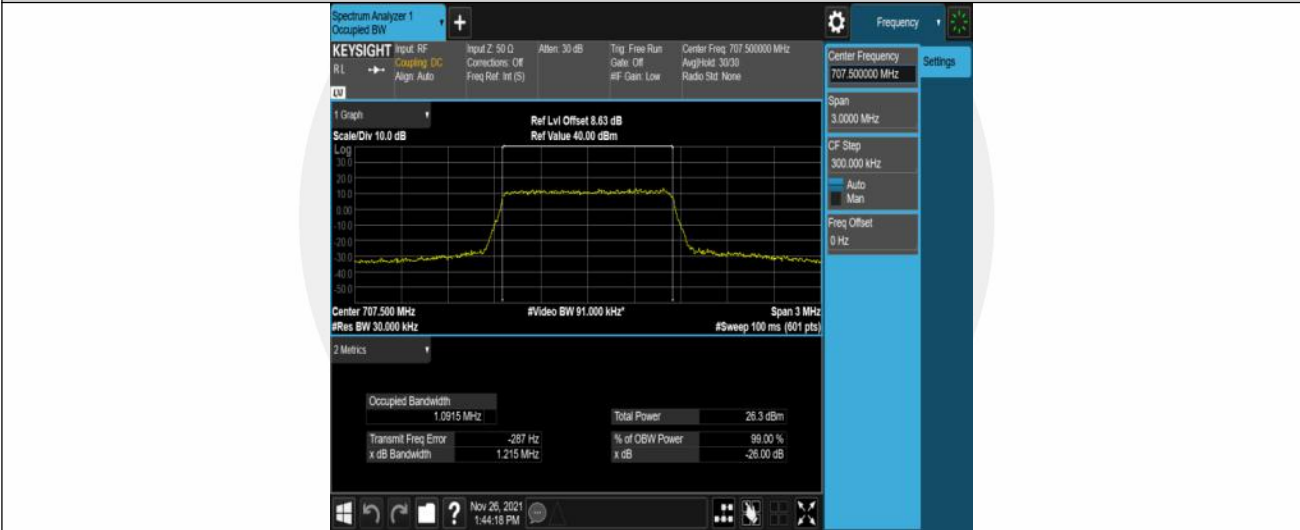
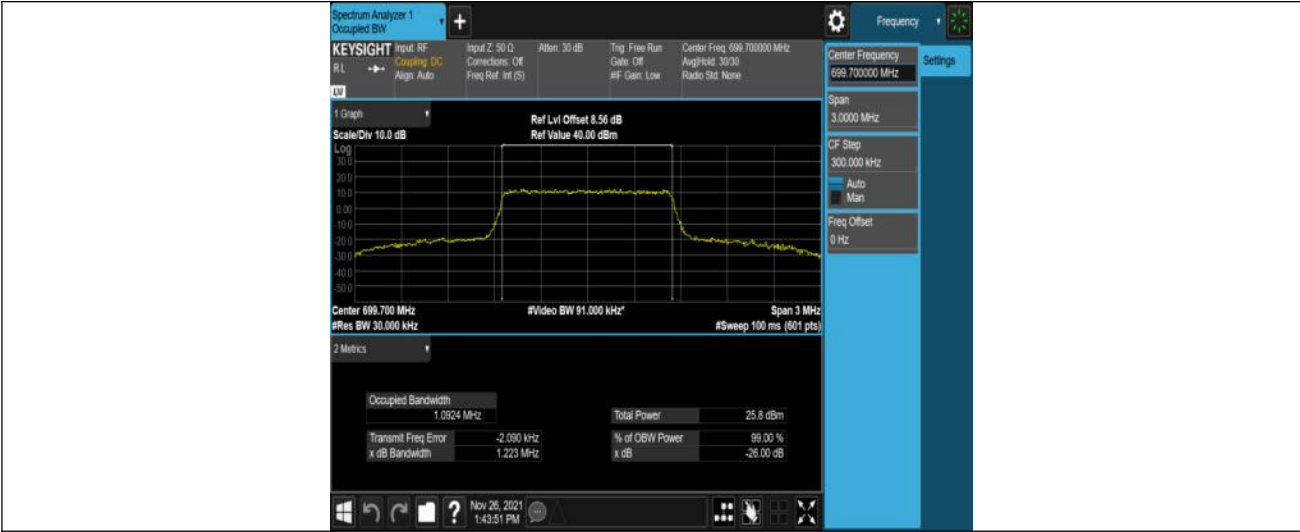
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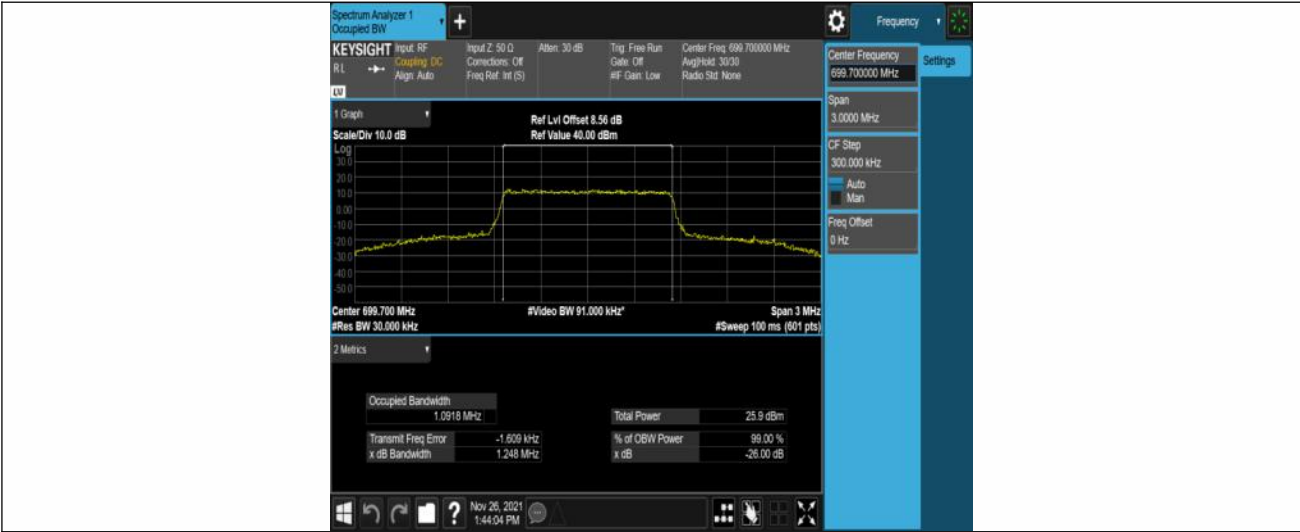
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

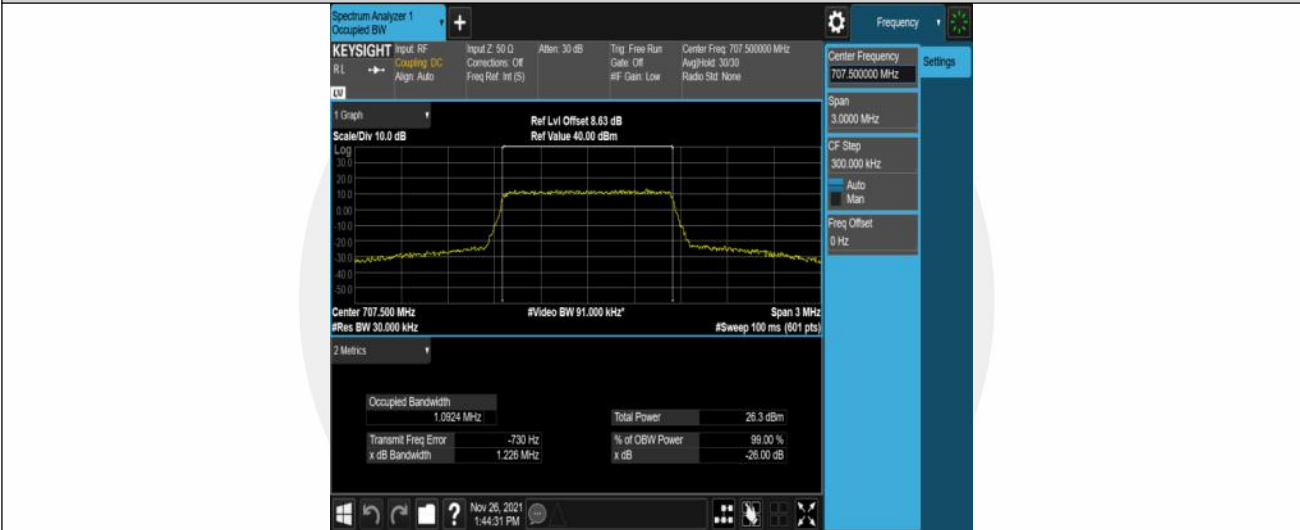
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0924	1.223	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0915	1.215	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0907	1.221	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0918	1.248	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0924	1.226	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0906	1.208	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6932	2.905	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6940	2.922	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7046	2.923	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6976	2.930	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6927	2.926	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7041	2.907	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5074	4.866	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4853	4.852	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5122	4.860	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5119	4.875	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.4941	4.860	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5175	4.877	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0194	9.557	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9433	9.496	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9493	9.514	PASS
Band12	10MHz	16QAM	23060	50RB#0	9.0074	9.564	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9351	9.493	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9637	9.504	PASS

Test Graphs





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



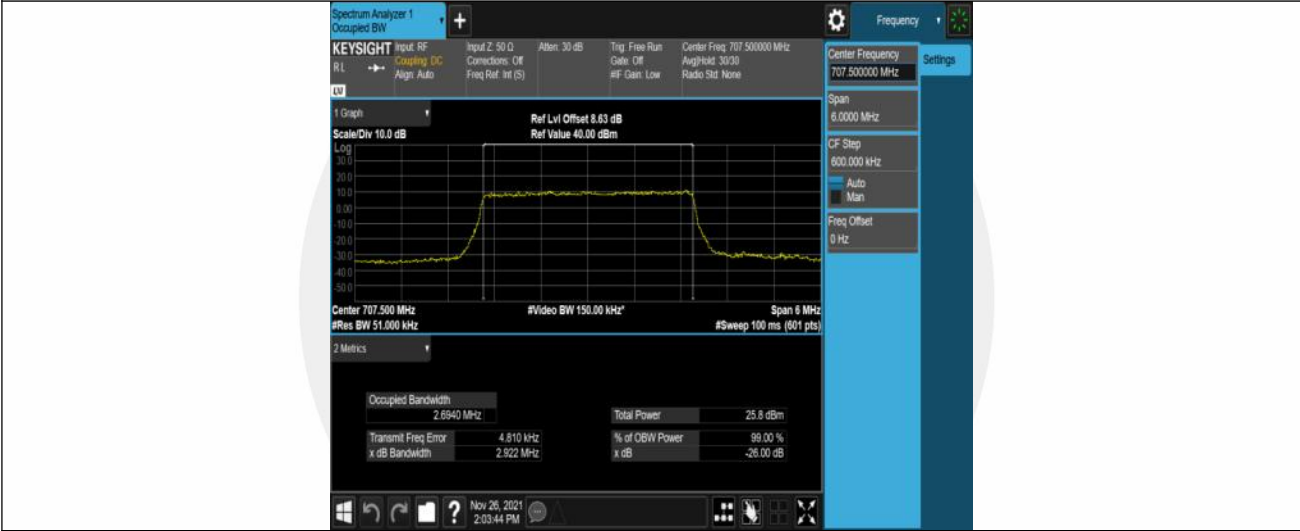
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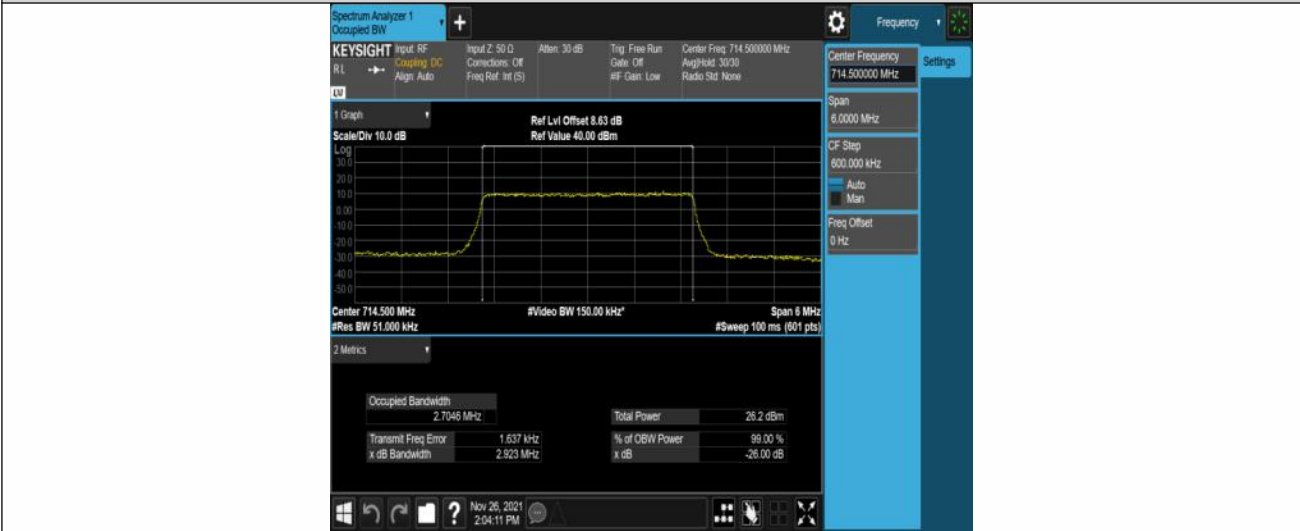
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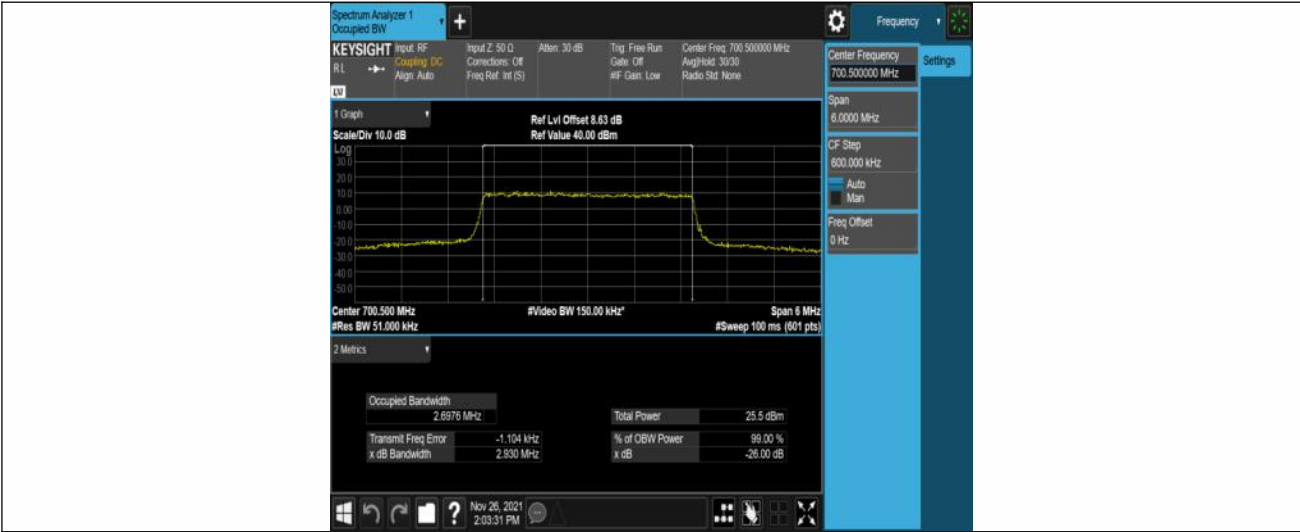
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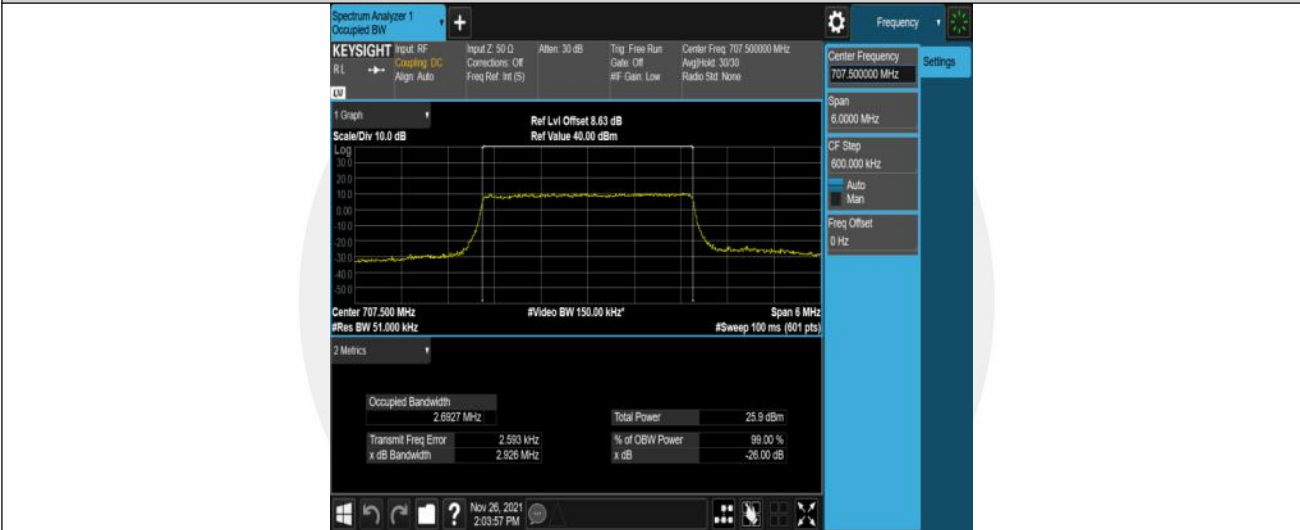
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Band12-3MHz-QPSK-23165-15RB#0



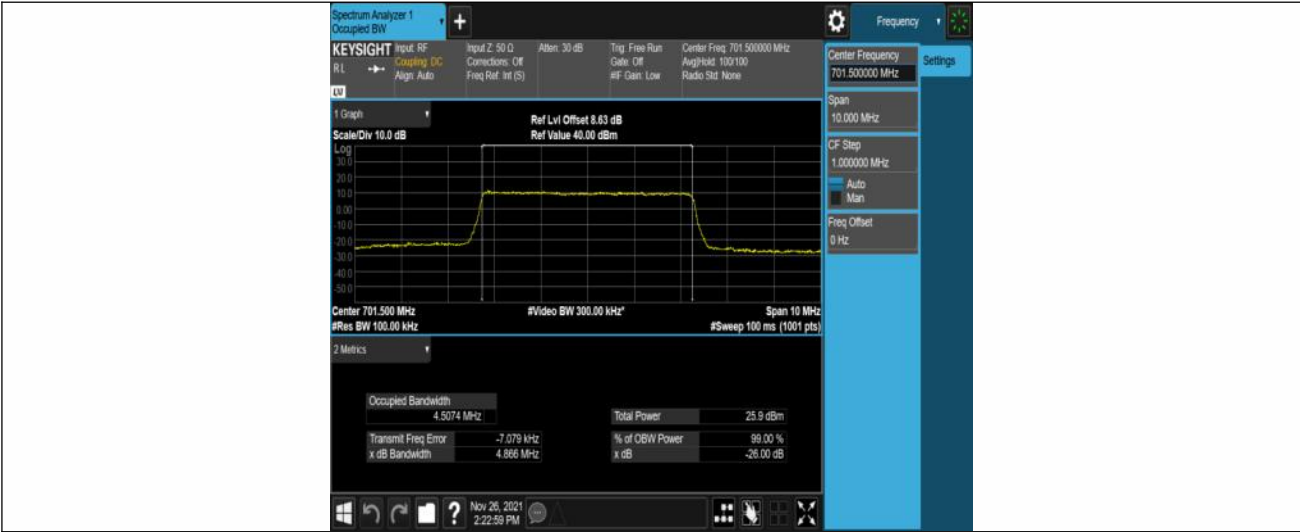
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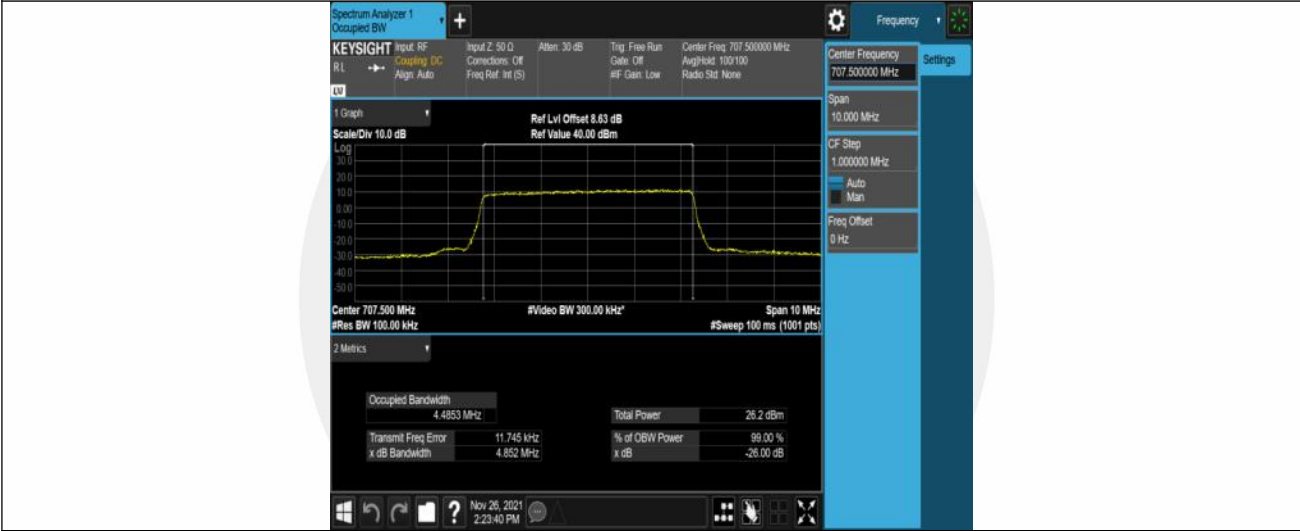
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Band12-3MHz-16QAM-23165-15RB#0



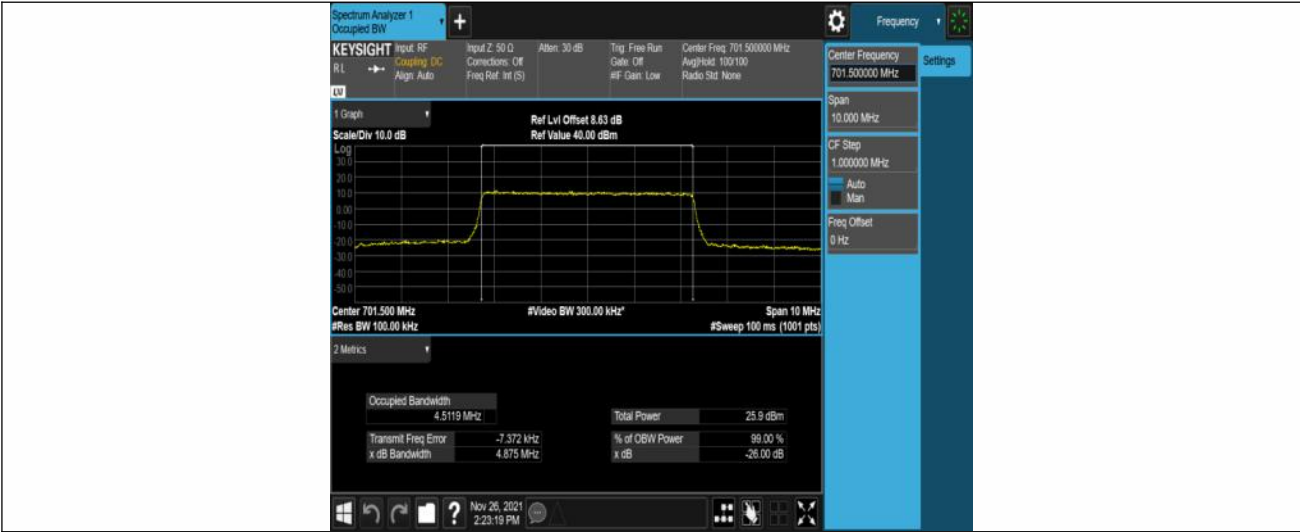
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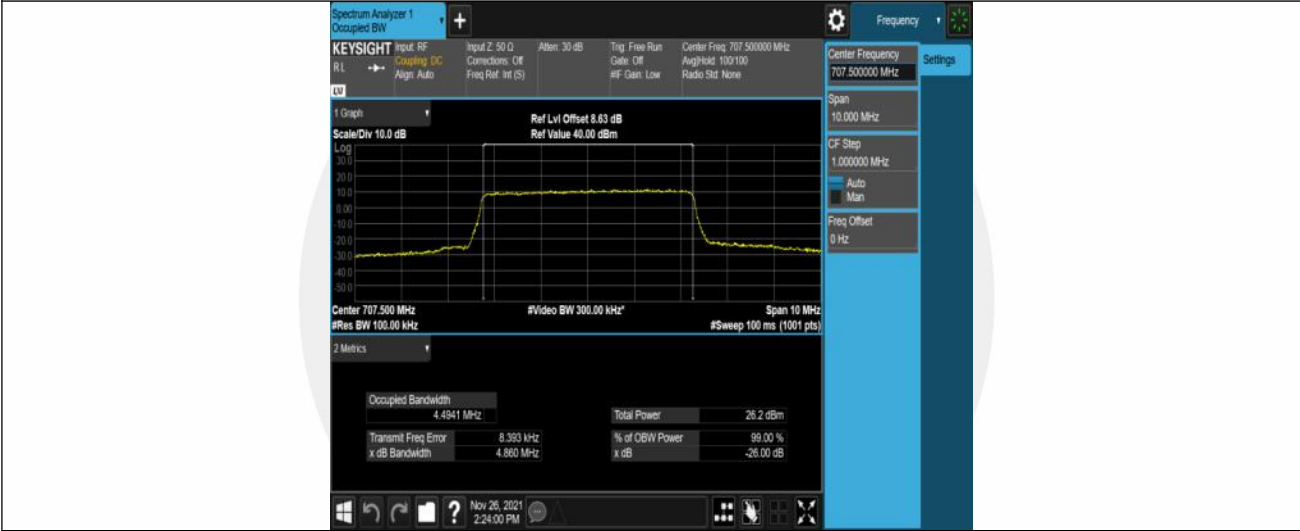
Band12-5MHz-QPSK-23095-25RB#0



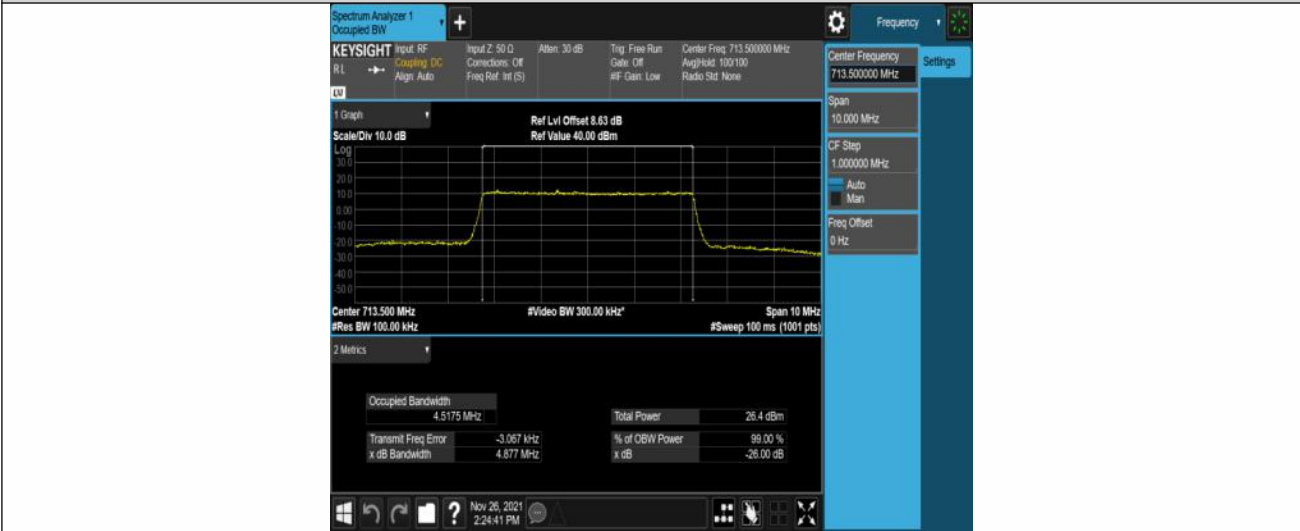
Band12-5MHz-QPSK-23155-25RB#0



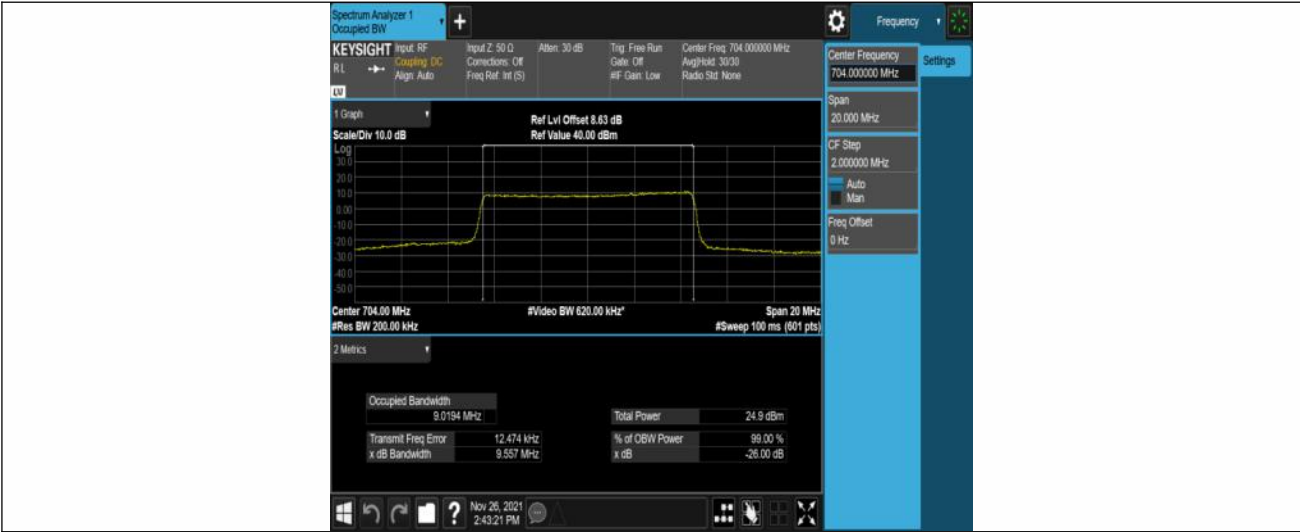
Band12-5MHz-16QAM-23035-25RB#0



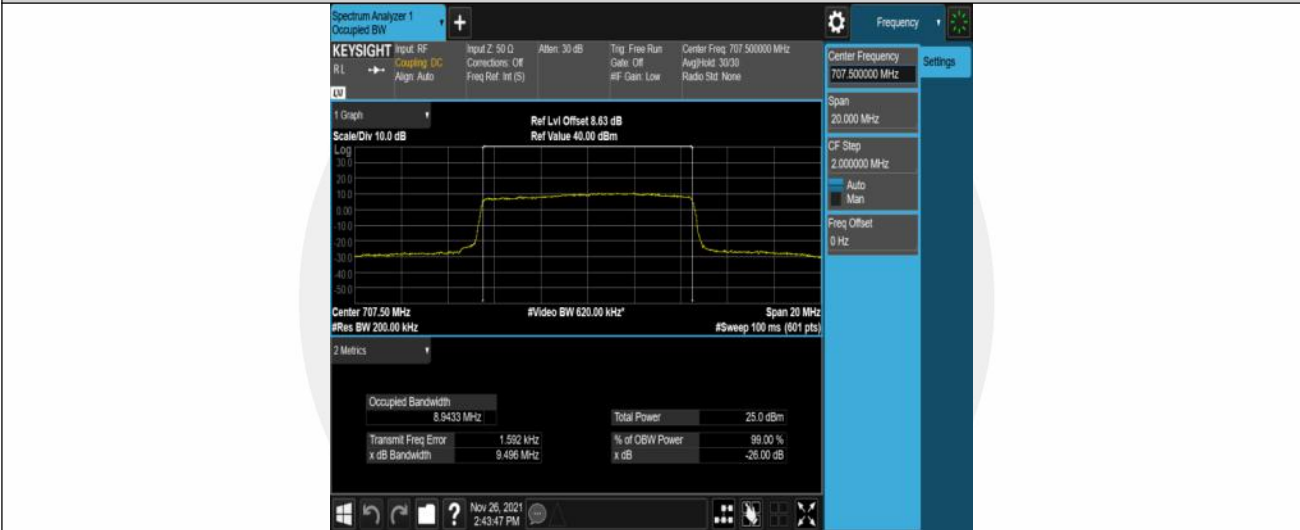
Band12-5MHz-16QAM-23095-25RB#0



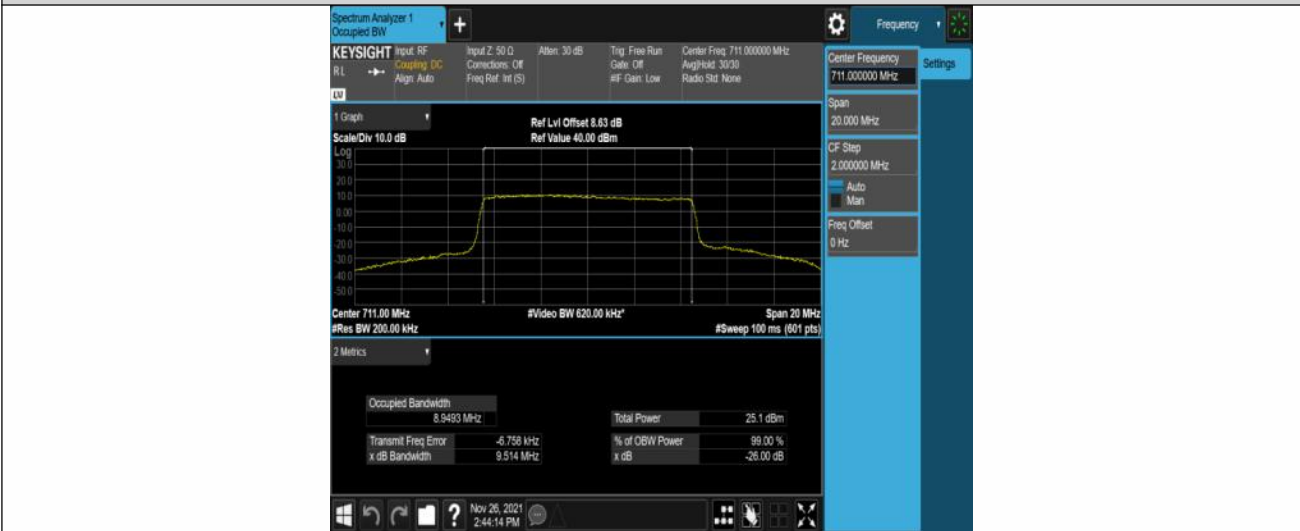
Band12-5MHz-16QAM-23155-25RB#0



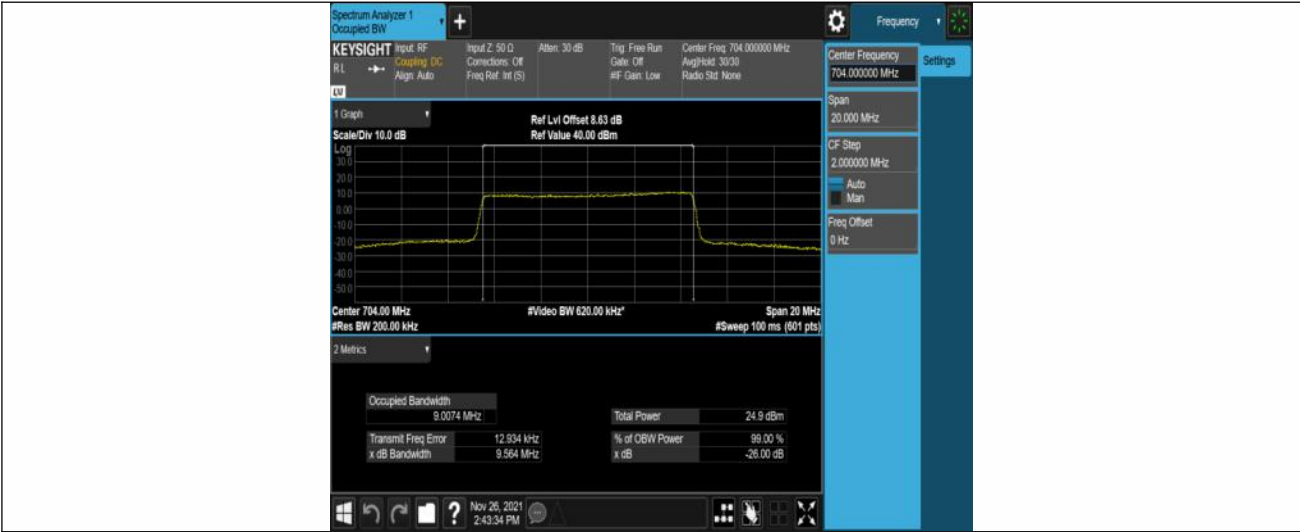
Band12-10MHz-QPSK-23060-50RB#0



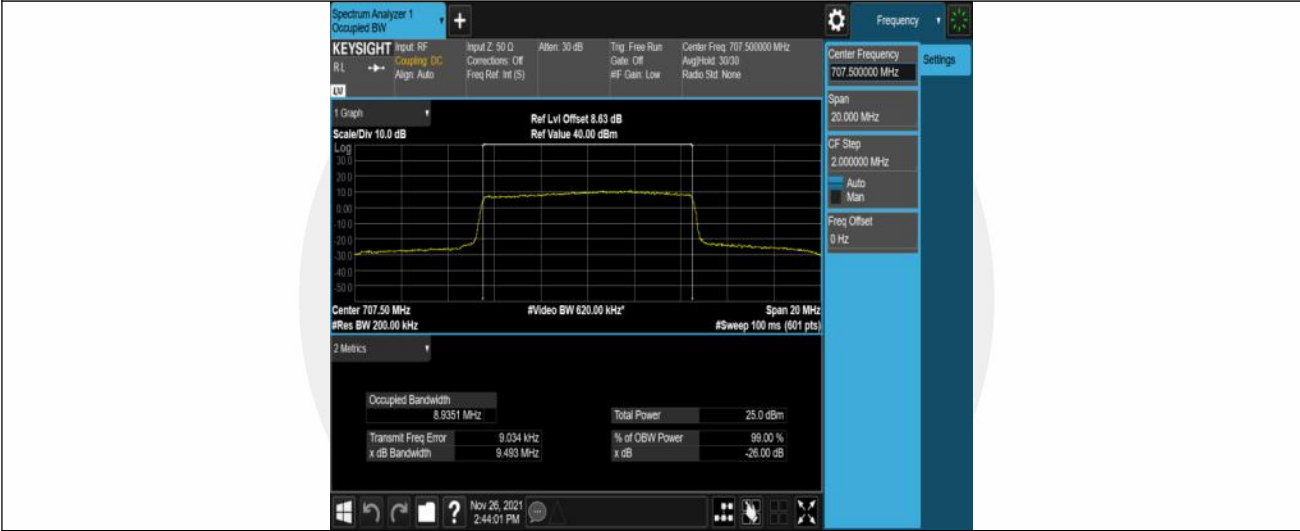
Band12-10MHz-QPSK-23095-50RB#0



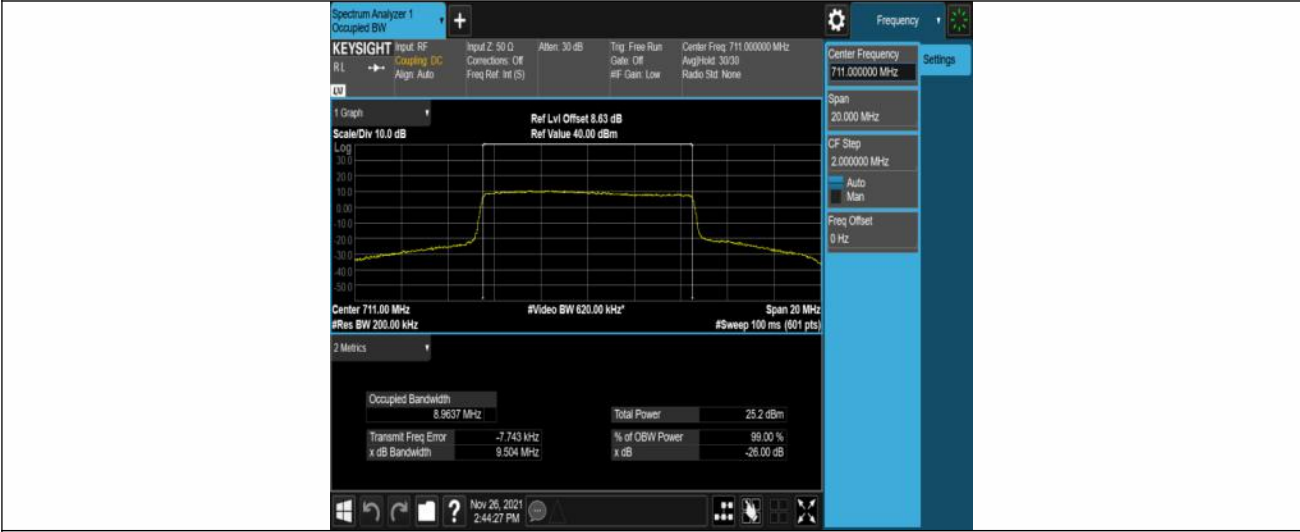
Band12-10MHz-QPSK-23130-50RB#0



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	6RB#0	-21.74,-21.79	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-31.57,-32.20	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-19.90,-19.55	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-28.02,-28.51	PASS
Band12	3MHz	QPSK	23025	15RB#0	-25.42,-20.58	PASS
Band12	3MHz	QPSK	23165	15RB#0	-21.62,-29.38	PASS
Band12	3MHz	16QAM	23025	15RB#0	-22.61,-20.28	PASS
Band12	3MHz	16QAM	23165	15RB#0	-22.62,-27.97	PASS
Band12	5MHz	QPSK	23035	25RB#0	-22.27	PASS
Band12	5MHz	QPSK	23155	25RB#0	-24.31	PASS
Band12	5MHz	16QAM	23035	25RB#0	-21.41	PASS
Band12	5MHz	16QAM	23155	25RB#0	-22.76	PASS
Band12	10MHz	QPSK	23060	50RB#0	-22.53,-21.88	PASS
Band12	10MHz	QPSK	23130	50RB#0	-23.28,-23.91	PASS
Band12	10MHz	16QAM	23060	50RB#0	-22.19,-21.89	PASS
Band12	10MHz	16QAM	23130	50RB#0	-22.01,-22.31	PASS

Test Graphs



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



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



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



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



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



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



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



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



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



Band 12-5MHz-QPSK-23155-25RB#0



Band 12-5MHz-16QAM-23035-25RB#0



Band 12-5MHz-16QAM-23155-25RB#0



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



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



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



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	6RB#0	Range1:30~1000MHz	-35.76	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	Range2:1000~10000MHz	-32.6	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	Range1:30~1000MHz	-35.3	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	Range2:1000~10000MHz	-29.44	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	Range1:30~1000MHz	-35.22	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	Range2:1000~10000MHz	-30.58	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	Range1:30~1000MHz	-35.04	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	Range2:1000~10000MHz	-28.2	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	Range1:30~1000MHz	-35.82	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	Range2:1000~10000MHz	-28.26	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	Range1:30~1000MHz	-34.7	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	Range2:1000~10000MHz	-27.3	PASS
Band12	3MHz	QPSK	23025	15RB#0	Range1:30~1000MHz	-34.12	PASS
Band12	3MHz	QPSK	23025	15RB#0	Range2:1000~10000MHz	-30.95	PASS
Band12	3MHz	QPSK	23095	15RB#0	Range1:30~1000MHz	-35.78	PASS
Band12	3MHz	QPSK	23095	15RB#0	Range2:1000~10000MHz	-31.83	PASS
Band12	3MHz	QPSK	23165	15RB#0	Range1:30~1000MHz	-35.96	PASS

					00MHz		
Band12	3MHz	QPSK	23165	15RB#0	Range2:1000~10000MHz	-32.08	PASS
Band12	3MHz	16QAM	23025	15RB#0	Range1:30~1000MHz	-35.56	PASS
Band12	3MHz	16QAM	23025	15RB#0	Range2:1000~10000MHz	-30.32	PASS
Band12	3MHz	16QAM	23095	15RB#0	Range1:30~1000MHz	-34.2	PASS
Band12	3MHz	16QAM	23095	15RB#0	Range2:1000~10000MHz	-31.73	PASS
Band12	3MHz	16QAM	23165	15RB#0	Range1:30~1000MHz	-34.51	PASS
Band12	3MHz	16QAM	23165	15RB#0	Range2:1000~10000MHz	-30.22	PASS
Band12	5MHz	QPSK	23035	25RB#0	Range1:30~1000MHz	-35.41	PASS
Band12	5MHz	QPSK	23035	25RB#0	Range2:1000~10000MHz	-33.54	PASS
Band12	5MHz	QPSK	23095	25RB#0	Range1:30~1000MHz	-34.69	PASS
Band12	5MHz	QPSK	23095	25RB#0	Range2:1000~10000MHz	-34.27	PASS
Band12	5MHz	QPSK	23155	25RB#0	Range1:30~1000MHz	-35.66	PASS
Band12	5MHz	QPSK	23155	25RB#0	Range2:1000~10000MHz	-34.24	PASS
Band12	5MHz	16QAM	23035	25RB#0	Range1:30~1000MHz	-35.25	PASS
Band12	5MHz	16QAM	23035	25RB#0	Range2:1000~10000MHz	-31.36	PASS
Band12	5MHz	16QAM	23095	25RB#0	Range1:30~1000MHz	-35.59	PASS
Band12	5MHz	16QAM	23095	25RB#0	Range2:1000~10000MHz	-33.73	PASS
Band12	5MHz	16QAM	23155	25RB#0	Range1:30~1000MHz	-35.21	PASS

Band12	5MHz	16QAM	23155	25RB#0	Range2:1000~10000MHz	-31.22	PASS
Band12	10MHz	QPSK	23060	50RB#0	Range1:30~1000MHz	-34.43	PASS
Band12	10MHz	QPSK	23060	50RB#0	Range2:1000~10000MHz	-36.42	PASS
Band12	10MHz	QPSK	23095	50RB#0	Range1:30~1000MHz	-35.65	PASS
Band12	10MHz	QPSK	23095	50RB#0	Range2:1000~10000MHz	-34.92	PASS
Band12	10MHz	QPSK	23130	50RB#0	Range1:30~1000MHz	-35.76	PASS
Band12	10MHz	QPSK	23130	50RB#0	Range2:1000~10000MHz	-31.77	PASS
Band12	10MHz	16QAM	23060	50RB#0	Range1:30~1000MHz	-34.71	PASS
Band12	10MHz	16QAM	23060	50RB#0	Range2:1000~10000MHz	-36.05	PASS
Band12	10MHz	16QAM	23095	50RB#0	Range1:30~1000MHz	-35.58	PASS
Band12	10MHz	16QAM	23095	50RB#0	Range2:1000~10000MHz	-34.3	PASS
Band12	10MHz	16QAM	23130	50RB#0	Range1:30~1000MHz	-35.03	PASS
Band12	10MHz	16QAM	23130	50RB#0	Range2:1000~10000MHz	-35.54	PASS

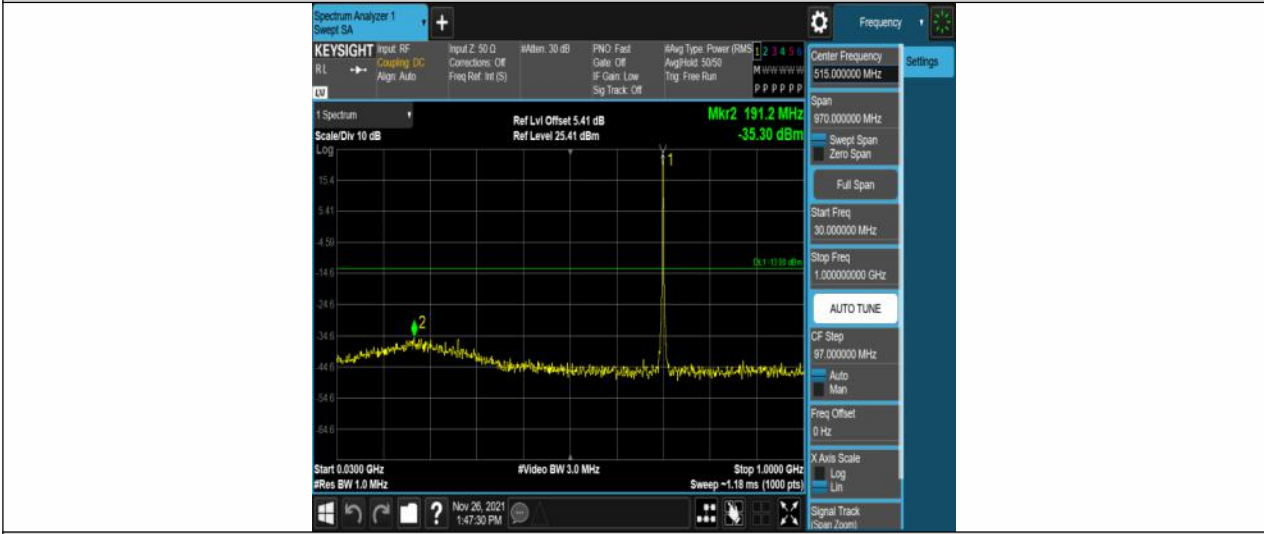
Test Graphs



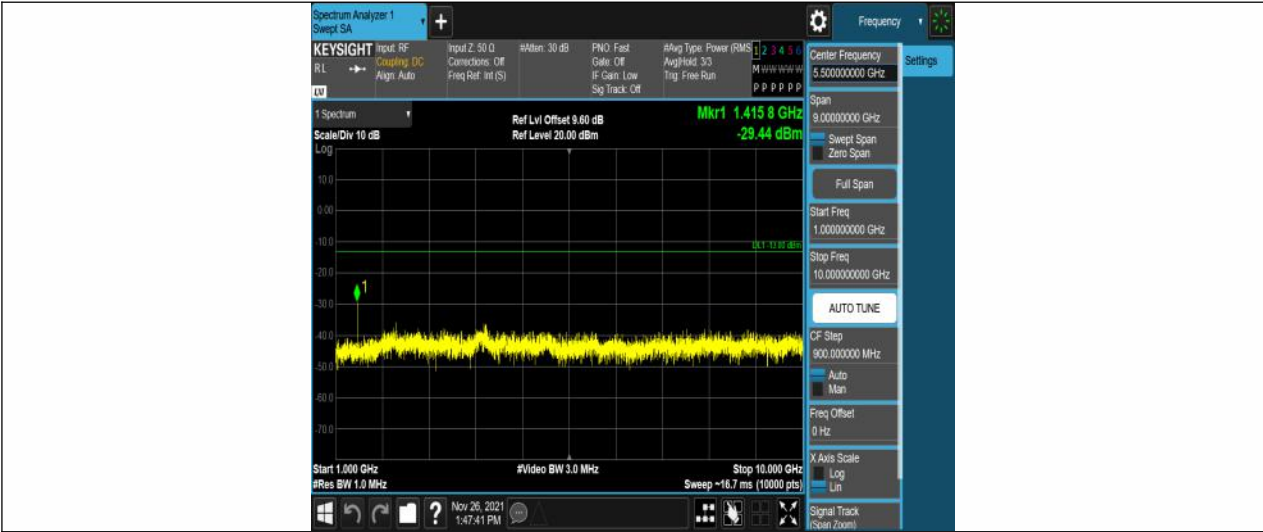
Band12-1.4MHz-QPSK-23017-6RB#0-Range1:30~1000MHz



Band12-1.4MHz-QPSK-23017-6RB#0-Range2:1000~10000MHz



Band12-1.4MHz-QPSK-23095-6RB#0-Range1:30~1000MHz



Band12-1.4MHz-QPSK-23095-6RB#0-Range2:1000~10000MHz



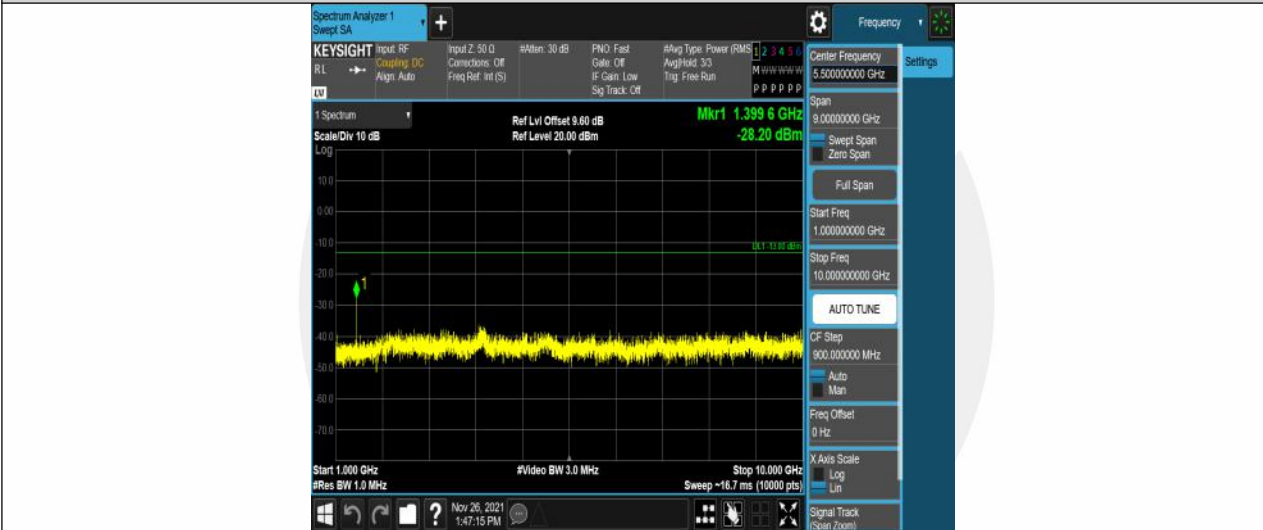
Band12-1.4MHz-QPSK-23173-6RB#0-Range1:30~1000MHz



Band12-1.4MHz-QPSK-23173-6RB#0-Range2:1000~10000MHz



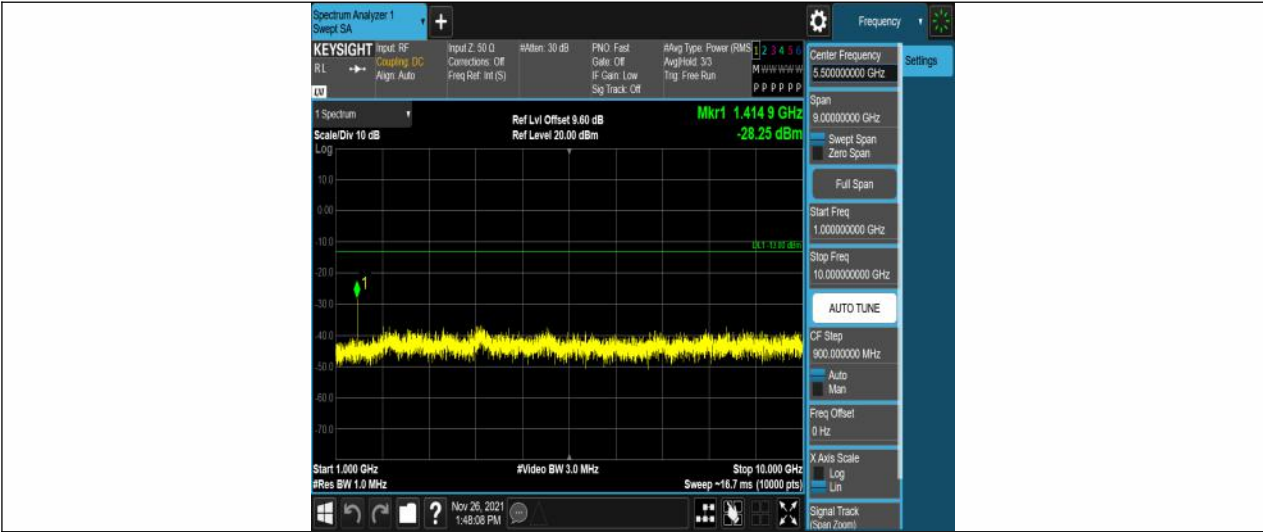
Band12-1.4MHz-16QAM-23017-6RB#0-Range1:30~1000MHz



Band12-1.4MHz-16QAM-23017-6RB#0-Range2:1000~10000MHz



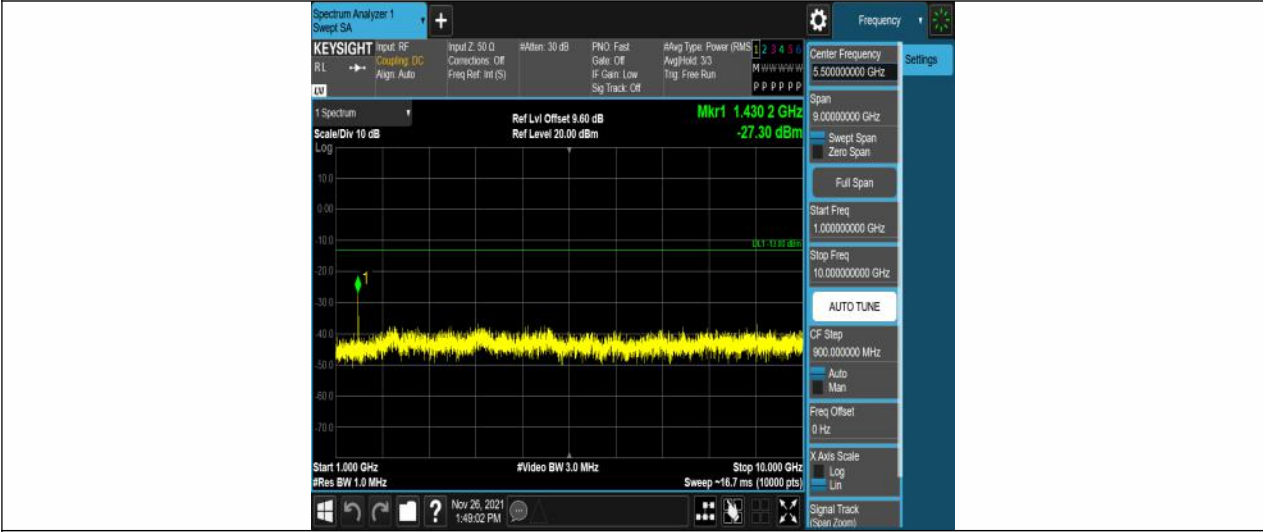
Band12-1.4MHz-16QAM-23095-6RB#0-Range1:30~1000MHz



Band12-1.4MHz-16QAM-23095-6RB#0-Range2:1000~1000MHz



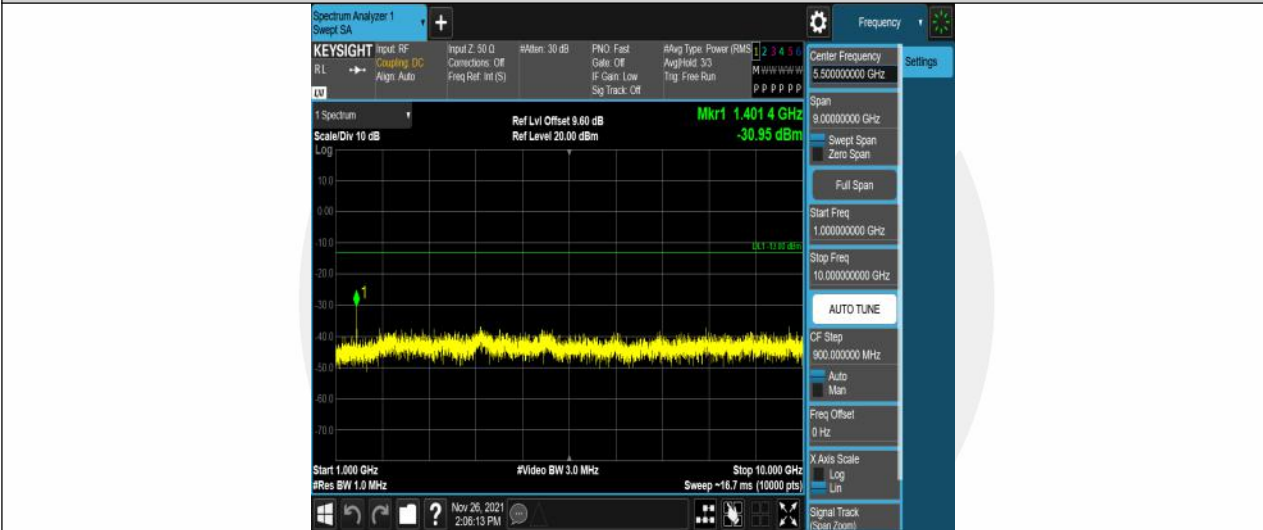
Band12-1.4MHz-16QAM-23173-6RB#0-Range1:30~1000MHz



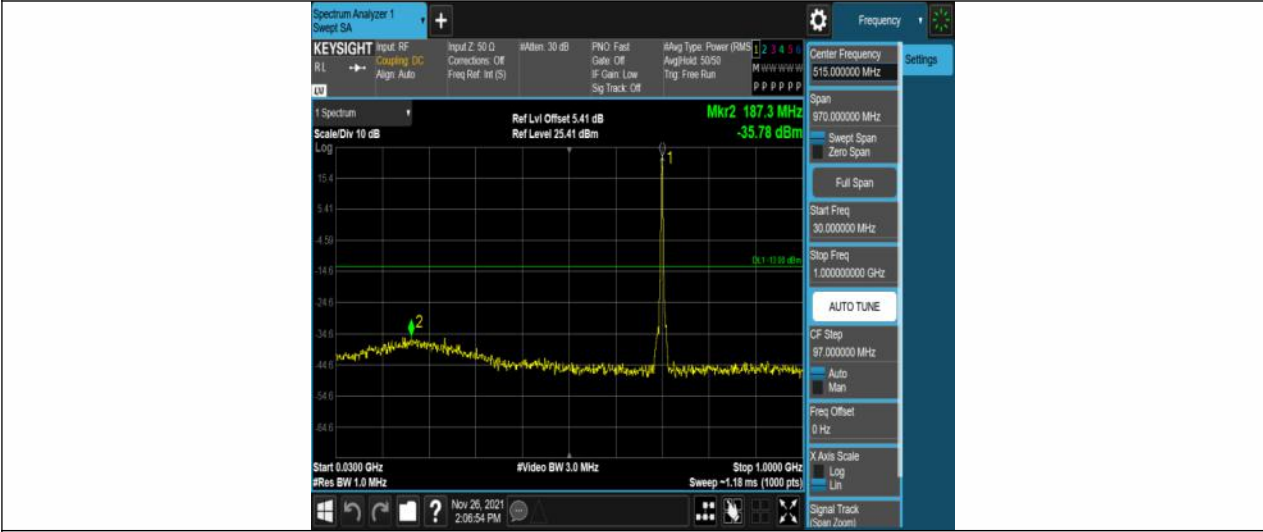
Band12-1.4MHz-16QAM-23173-6RB#0-Range2:1000~1000MHz



Band12-3MHz-QPSK-23025-15RB#0-Range1:30~1000MHz



Band12-3MHz-QPSK-23025-15RB#0-Range2:1000~10000MHz



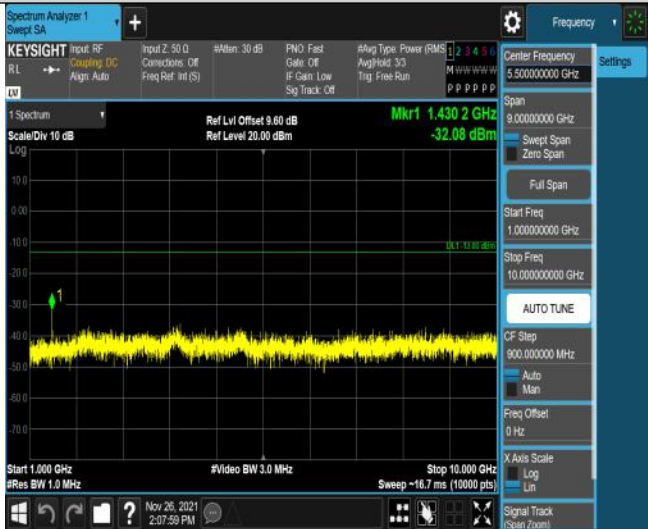
Band12-3MHz-QPSK-23095-15RB#0-Range1:30~1000MHz



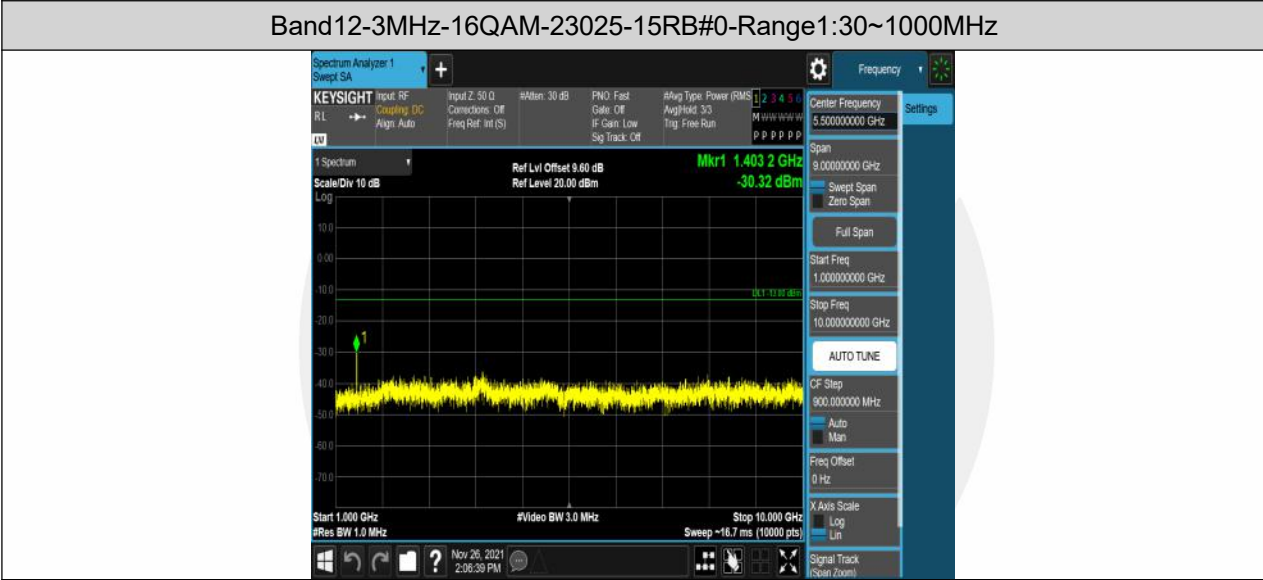
Band12-3MHz-QPSK-23095-15RB#0-Range2: 1000~10000MHz

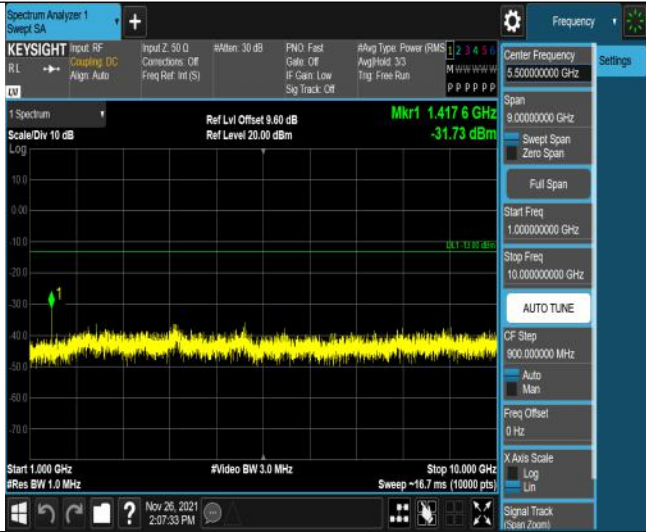


Band12-3MHz-QPSK-23165-15RB#0-Range1:30~1000MHz



Band12-3MHz-QPSK-23165-15RB#0-Range2: 1000~10000MHz

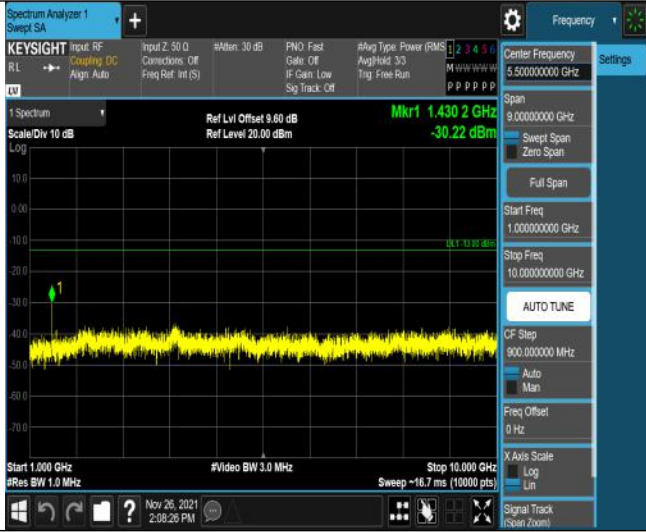




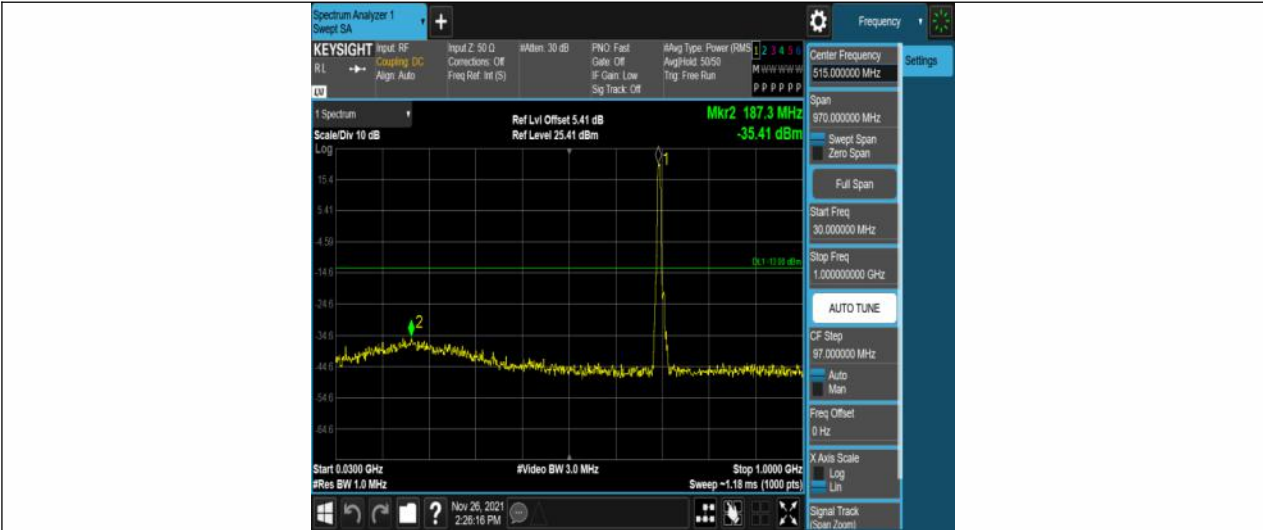
Band12-3MHz-16QAM-23095-15RB#0-Range2:1000~10000MHz



Band12-3MHz-16QAM-23165-15RB#0-Range1:30~1000MHz



Band12-3MHz-16QAM-23165-15RB#0-Range2:1000~10000MHz



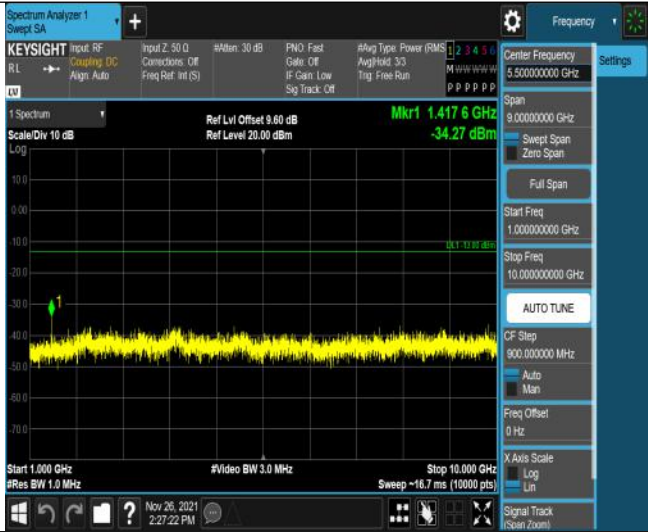
Band12-5MHz-QPSK-23035-25RB#0-Range1:30~1000MHz



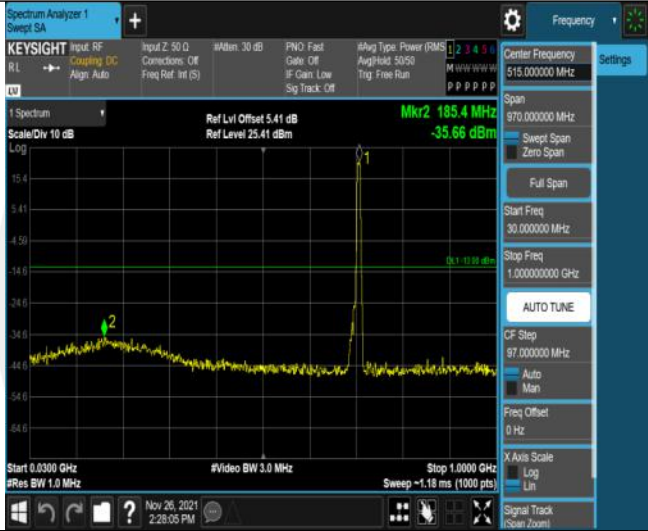
Band12-5MHz-QPSK-23035-25RB#0-Range2: 1000~10000MHz



Band12-5MHz-QPSK-23095-25RB#0-Range1:30~1000MHz



Band12-5MHz-QPSK-23095-25RB#0-Range2: 1000~10000MHz



Band12-5MHz-QPSK-23155-25RB#0-Range1:30~1000MHz



Band12-5MHz-QPSK-23155-25RB#0-Range2: 1000~10000MHz



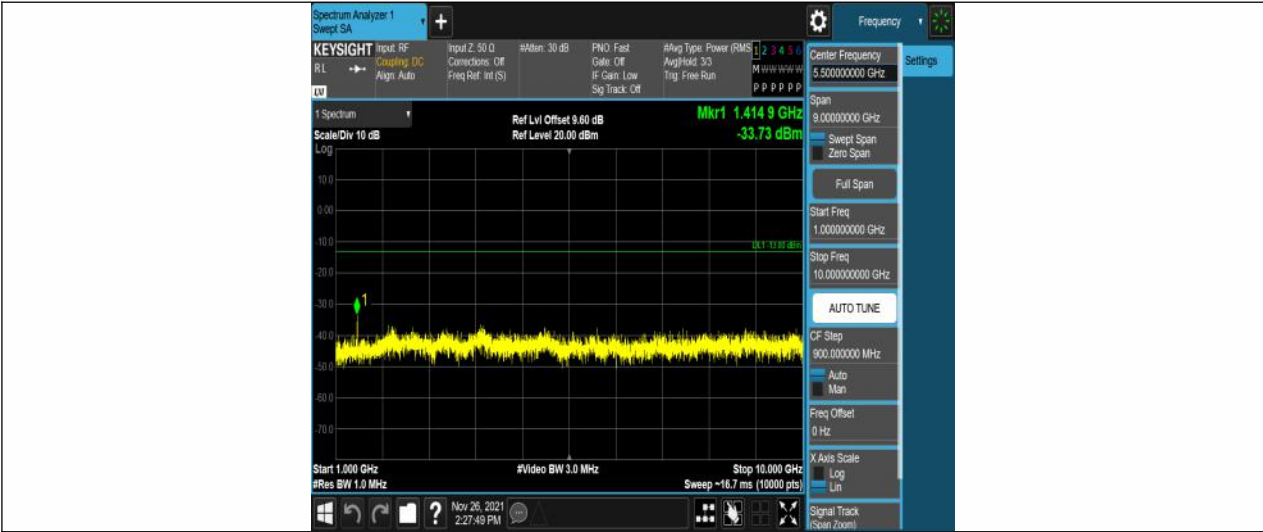
Band12-5MHz-16QAM-23035-25RB#0-Range1:30~1000MHz



Band12-5MHz-16QAM-23035-25RB#0-Range2:1000~10000MHz



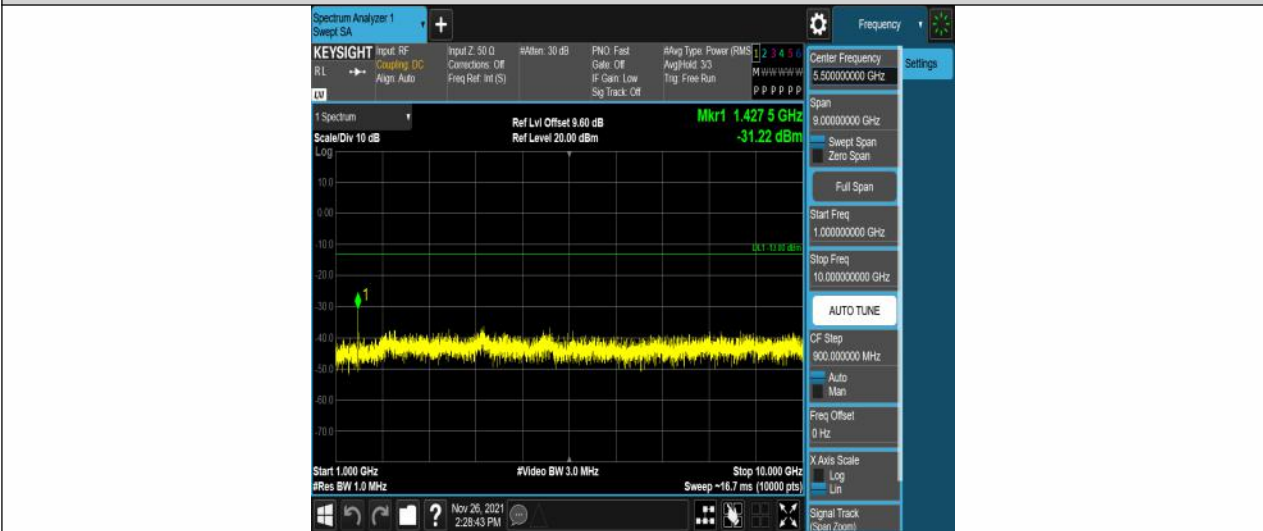
Band12-5MHz-16QAM-23095-25RB#0-Range1:30~1000MHz



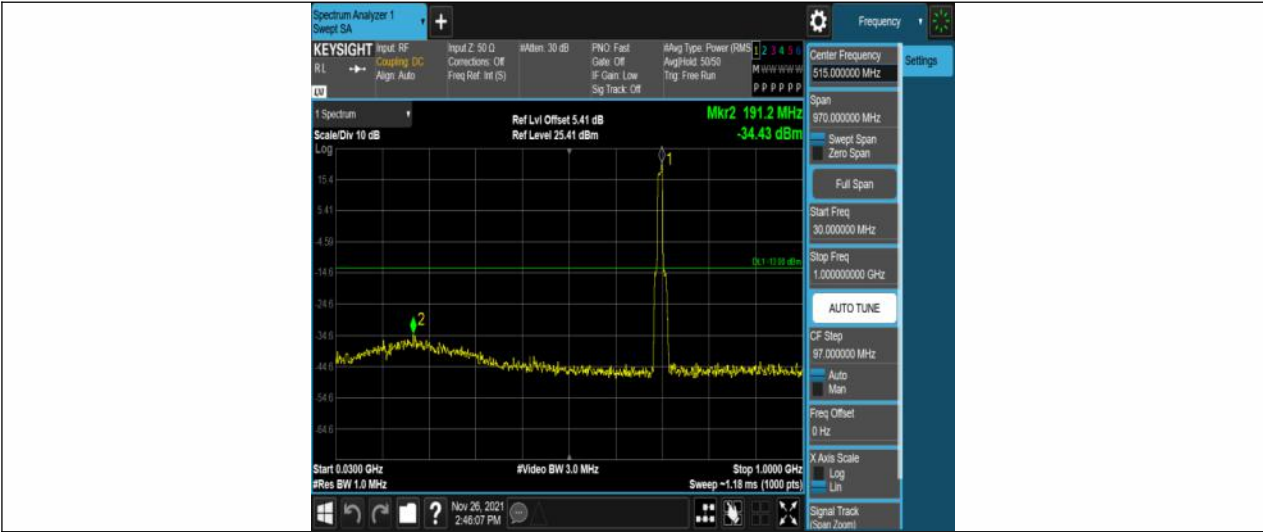
Band12-5MHz-16QAM-23095-25RB#0-Range2:1000~10000MHz



Band12-5MHz-16QAM-23155-25RB#0-Range1:30~1000MHz



Band12-5MHz-16QAM-23155-25RB#0-Range2:1000~10000MHz



Band12-10MHz-QPSK-23060-50RB#0-Range1:30~1000MHz



Band12-10MHz-QPSK-23060-50RB#0-Range2:1000~10000MHz



Band12-10MHz-QPSK-23095-50RB#0-Range1:30~1000MHz



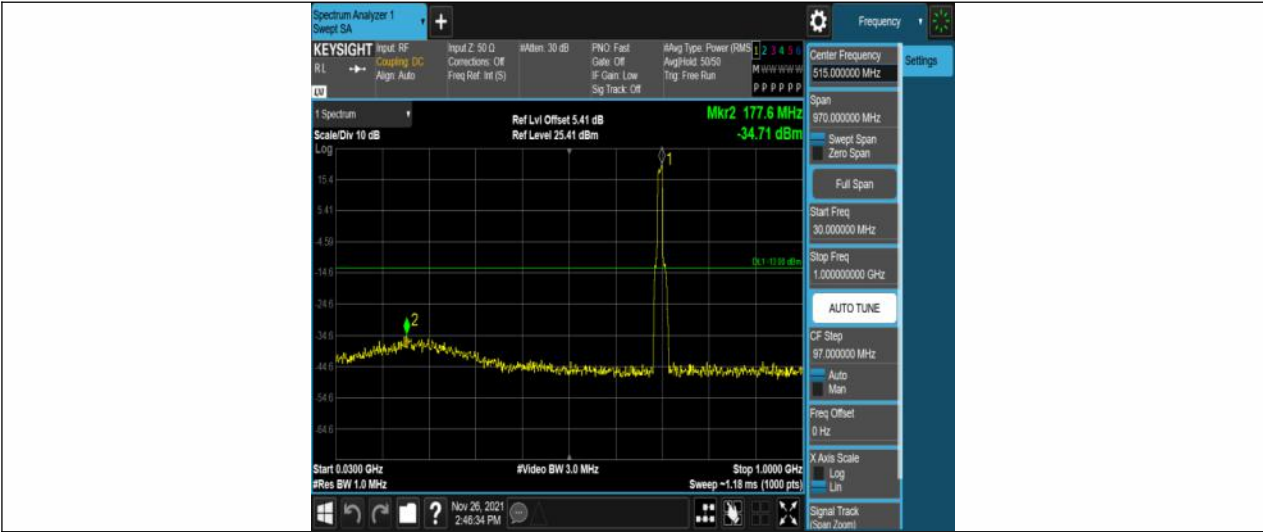
Band12-10MHz-QPSK-23095-50RB#0-Range2:1000~10000MHz



Band12-10MHz-QPSK-23130-50RB#0-Range1:30~1000MHz



Band12-10MHz-QPSK-23130-50RB#0-Range2:1000~10000MHz



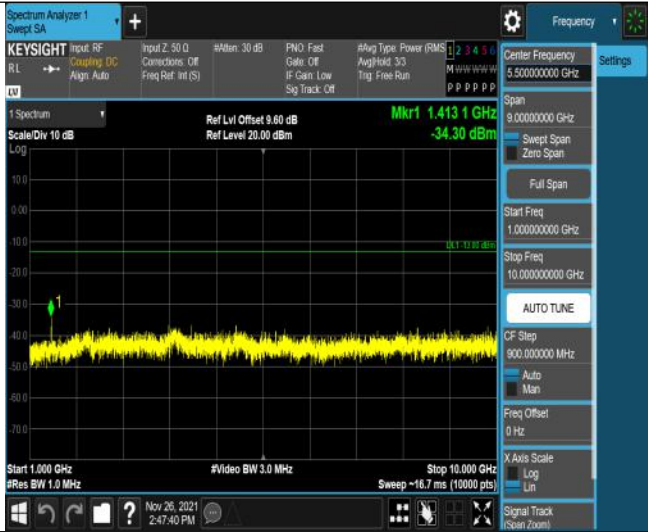
Band12-10MHz-16QAM-23060-50RB#0-Range1:30~1000MHz



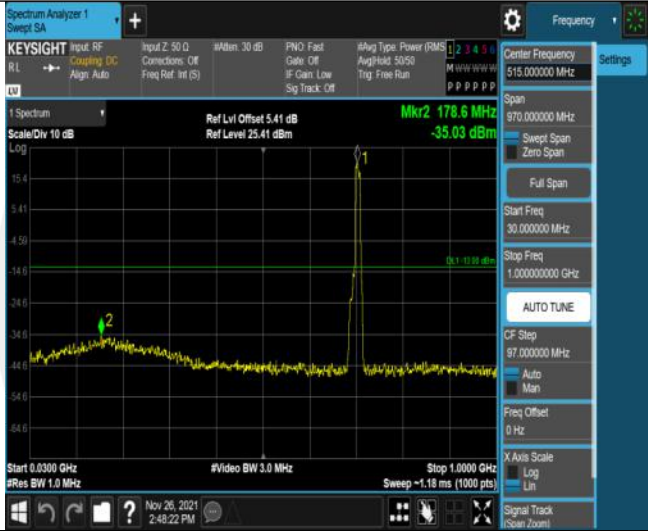
Band12-10MHz-16QAM-23060-50RB#0-Range2:1000~10000MHz



Band12-10MHz-16QAM-23095-50RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23095-50RB#0-Range2:1000~10000MHz



Band12-10MHz-16QAM-23130-50RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23130-50RB#0-Range2:1000~10000MHz

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	VL	NT	-4.15	-0.0059 31	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VN	NT	-2.63	-0.0037 59	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VH	NT	-2.92	-0.0041 73	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VL	NT	2.78	0.00392 9	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VN	NT	-3.71	-0.0052 44	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VH	NT	-4.23	-0.0059 79	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VL	NT	1.85	0.00258 6	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VN	NT	3.49	0.00487 9	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VH	NT	-3.71	-0.0051 87	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VL	NT	2.10	0.00300 1	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VN	NT	-2.29	-0.0032 73	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VH	NT	-4.28	-0.00611 7	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VL	NT	-3.15	-0.0044 52	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VN	NT	-6.62	-0.0093 57	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VH	NT	-3.62	-0.00511 7	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VL	NT	-3.76	-0.0052 57	±2.5	PASS

Band12	1.4MHz	16QAM	23173	6RB#0	VN	NT	-2.83	-0.0039 56	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VH	NT	3.06	0.00427 8	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VL	NT	-3.59	-0.0051 25	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VN	NT	-4.36	-0.0062 24	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VH	NT	2.25	0.00321 2	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VL	NT	3.63	0.00513 1	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VN	NT	2.15	0.00303 9	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VH	NT	1.79	0.00253 0	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VL	NT	-2.95	-0.0041 29	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VN	NT	-3.89	-0.0054 44	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VH	NT	1.47	0.00205 7	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VL	NT	-4.63	-0.0066 10	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VN	NT	-4.11	-0.0058 67	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VH	NT	1.06	0.00151 3	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VL	NT	-2.68	-0.0037 88	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VN	NT	-4.58	-0.0064 73	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VH	NT	2.52	0.00356 2	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VL	NT	-4.05	-0.0056 68	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VN	NT	1.67	0.00233	±2.5	PASS

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Band12	3MHz	16QAM	23165	15RB#0	VH	NT	-2.49	-0.0034 85	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VL	NT	-4.02	-0.0057 31	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VN	NT	-2.15	-0.0030 65	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VH	NT	2.49	0.00355 0	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VL	NT	-2.66	-0.0037 60	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VN	NT	-3.93	-0.0055 55	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VH	NT	4.78	0.00675 6	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VL	NT	-3.19	-0.0044 71	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VN	NT	-2.69	-0.0037 70	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VH	NT	3.56	0.00498 9	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VL	NT	2.36	0.00336 4	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VN	NT	-2.25	-0.0032 07	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VH	NT	1.69	0.00240 9	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VL	NT	2.26	0.00319 4	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VN	NT	-1.80	-0.0025 44	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VH	NT	-5.02	-0.0070 95	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VL	NT	-2.95	-0.0041 35	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VN	NT	-3.52	-0.0049 33	±2.5	PASS

Band12	5MHz	16QAM	23155	25RB#0	VH	NT	-3.19	-0.0044 71	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	-2.53	-0.0035 94	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	-2.86	-0.0040 63	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	-1.90	-0.0026 99	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-2.42	-0.0034 20	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-2.13	-0.00301 1	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-2.49	-0.0035 19	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-4.45	-0.0062 59	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-5.21	-0.0073 28	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-2.57	-0.0036 15	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	-3.00	-0.0042 61	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	4.51	0.00640 6	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-3.52	-0.0050 00	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-2.27	-0.0032 08	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-3.26	-0.0046 08	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-3.66	-0.0051 73	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	-3.42	-0.0048 10	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	-3.13	-0.0044 02	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-4.62	-0.0064	±2.5	PASS

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Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-30	-2.49	-0.0035 59	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-20	-3.81	-0.0054 45	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-10	-2.09	-0.0029 87	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	-4.31	-0.0061 60	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	-2.13	-0.0030 44	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	2.82	0.00403 0	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	30	1.42	0.00202 9	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	40	-2.68	-0.0038 30	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	50	-3.56	-0.0050 88	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-30	1.65	0.00233 2	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-20	-2.66	-0.0037 60	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-10	1.87	0.00264 3	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	-2.80	-0.0039 58	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	-2.43	-0.0034 35	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	-3.63	-0.0051 31	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	30	-2.02	-0.0028 55	±2.5	PASS

Band12	1.4MHz	QPSK	23095	6RB#0	NV	40	3.58	0.00506 0	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	50	-4.31	-0.0060 92	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-30	-2.98	-0.0041 66	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-20	-4.71	-0.0065 85	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-10	-3.00	-0.0041 94	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	-1.14	-0.0015 94	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	2.00	0.00279 6	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	2.16	0.00302 0	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	30	-2.89	-0.0040 40	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	40	-5.24	-0.0073 26	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	50	-4.19	-0.0058 58	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-30	-4.91	-0.0070 17	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-20	-2.42	-0.0034 59	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-10	2.82	0.00403 0	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	0	-4.85	-0.0069 32	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	10	2.50	0.00357 3	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	20	1.47	0.00210 1	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	30	-3.79	-0.0054 17	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	40	-3.09	-0.0044	±2.5	PASS

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Band12	1.4MHz	16QAM	23017	6RB#0	NV	50	2.47	0.00353 0	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-30	2.29	0.00323 7	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-20	-2.32	-0.0032 79	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-10	-2.73	-0.0038 59	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	0	-4.33	-0.0061 20	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	10	-3.78	-0.0053 43	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	20	-1.87	-0.0026 43	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	30	2.49	0.00351 9	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	40	2.93	0.00414 1	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	50	2.09	0.00295 4	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-30	5.84	0.00816 4	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-20	-3.65	-0.0051 03	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-10	3.10	0.00433 4	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	0	3.39	0.00473 9	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	10	3.46	0.00483 7	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	20	-5.95	-0.0083 18	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	30	-3.95	-0.0055 22	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	40	-5.65	-0.0078 99	±2.5	PASS

Band12	1.4MHz	16QAM	23173	6RB#0	NV	50	2.80	0.00391 4	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-30	-4.76	-0.0067 95	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-20	-5.31	-0.0075 80	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-10	-3.15	-0.0044 97	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	0	2.66	0.00379 7	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	10	-4.79	-0.0068 38	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	20	-3.95	-0.0056 39	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	30	-3.76	-0.0053 68	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	40	-3.68	-0.0052 53	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	50	-5.42	-0.0077 37	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-30	3.38	0.00477 7	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-20	3.05	0.00431 1	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-10	-2.79	-0.0039 43	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	0	-3.86	-0.0054 56	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	10	-3.05	-0.00431 1	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	20	-5.34	-0.0075 48	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	30	-3.38	-0.0047 77	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	40	-2.52	-0.0035 62	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	50	2.90	0.00409	±2.5	PASS

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Band12	3MHz	QPSK	23165	15RB#0	NV	-30	2.00	0.00279 9	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-20	-1.65	-0.0023 09	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-10	-2.89	-0.0040 45	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	0	-5.25	-0.0073 48	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	10	1.67	0.00233 7	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	20	-3.98	-0.0055 70	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	30	-3.79	-0.0053 04	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	40	-2.63	-0.0036 81	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	50	-1.96	-0.0027 43	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-30	-2.56	-0.0036 55	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-20	-4.33	-0.0061 81	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-10	-5.92	-0.0084 51	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	0	-4.58	-0.0065 38	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	10	-2.88	-0.00411 1	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	20	-3.02	-0.00431 1	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	30	-3.95	-0.0056 39	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	40	2.19	0.00312 6	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	50	-2.52	-0.0035 97	±2.5	PASS

Band12	3MHz	16QAM	23095	15RB#0	NV	-30	2.46	0.00347 7	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-20	2.56	0.00361 8	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-10	2.98	0.00421 2	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	0	-3.10	-0.0043 82	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	10	-3.19	-0.0045 09	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	20	-5.06	-0.0071 52	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	30	3.43	0.00484 8	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	40	2.40	0.00339 2	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	50	-1.27	-0.0017 95	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-30	-2.95	-0.0041 29	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-20	-3.50	-0.0048 99	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-10	-1.99	-0.0027 85	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	0	-4.09	-0.0057 24	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	10	-3.35	-0.0046 89	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	20	-2.47	-0.0034 57	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	30	-4.42	-0.0061 86	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	40	-4.22	-0.0059 06	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	50	3.40	0.00475 9	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-30	2.62	0.00373	±2.5	PASS

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Band12	5MHz	QPSK	23035	25RB#0	NV	-20	-3.13	-0.0044 62	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-10	-2.69	-0.0038 35	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	0	-3.82	-0.0054 45	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	10	1.16	0.00165 4	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	20	-2.56	-0.0036 49	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	30	-3.89	-0.0055 45	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	40	-4.48	-0.0063 86	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	50	-2.88	-0.0041 05	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-30	2.12	0.00299 6	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-20	2.99	0.00422 6	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-10	1.72	0.00243 1	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	0	1.76	0.00248 8	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	10	-2.50	-0.0035 34	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	20	-2.76	-0.0039 01	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	30	-3.12	-0.0044 10	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	40	-2.82	-0.0039 86	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	50	-1.90	-0.0026 86	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-30	1.46	0.00204 6	±2.5	PASS

Band12	5MHz	QPSK	23155	25RB#0	NV	-20	-2.39	-0.0033 50	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-10	-2.73	-0.0038 26	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	0	2.16	0.00302 7	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	10	3.46	0.00484 9	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	20	5.97	0.00836 7	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	30	2.53	0.00354 6	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	40	1.39	0.00194 8	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	50	2.26	0.00316 7	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-30	-2.46	-0.0035 07	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-20	1.90	0.00270 8	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-10	2.82	0.00402 0	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	0	2.25	0.00320 7	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	10	3.58	0.00510 3	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	20	3.32	0.00473 3	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	30	-2.85	-0.0040 63	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	40	-3.53	-0.0050 32	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	50	-1.90	-0.0027 08	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-30	-3.20	-0.0045 23	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-20	3.33	0.00470	±2.5	PASS

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Band12	5MHz	16QAM	23095	25RB#0	NV	-10	3.42	0.00483 4	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	0	3.56	0.00503 2	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	10	-0.84	-0.00118 7	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	20	3.32	0.00469 3	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	30	2.05	0.00289 8	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	40	3.25	0.00459 4	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	50	-3.32	-0.0046 93	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-30	-2.40	-0.0033 64	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-20	1.30	0.00182 2	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-10	2.37	0.00332 2	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	0	4.01	0.00562 0	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	10	2.56	0.00358 8	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	20	3.56	0.00498 9	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	30	2.82	0.00395 2	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	40	2.90	0.00406 4	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	50	4.15	0.00581 6	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	-1.65	-0.0023 44	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	2.89	0.00410 5	±2.5	PASS

Band12	10MHz	QPSK	23060	50RB#0	NV	-10	-1.27	-0.0018 04	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	-3.03	-0.0043 04	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	-3.56	-0.0050 57	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	-3.60	-0.00511 4	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	-3.13	-0.0044 46	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	1.34	0.00190 3	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	2.79	0.00396 3	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	2.55	0.00360 4	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	1.95	0.00275 6	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	3.95	0.00558 3	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-2.56	-0.0036 18	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-3.42	-0.0048 34	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-2.82	-0.0039 86	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-3.35	-0.0047 35	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-4.41	-0.0062 33	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-3.49	-0.0049 33	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	3.29	0.00462 7	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-2.32	-0.0032 63	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	2.83	0.00398	±2.5	PASS

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Band12	10MHz	QPSK	23130	50RB#0	NV	0	3.38	0.00475 4	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-2.79	-0.0039 24	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-3.32	-0.0046 69	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	1.30	0.00182 8	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-1.40	-0.0019 69	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	2.49	0.00350 2	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	-3.72	-0.0052 84	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	-3.38	-0.0048 01	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-10	-3.46	-0.0049 15	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	-1.39	-0.0019 74	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	-2.23	-0.0031 68	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	-1.53	-0.0021 73	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	30	3.43	0.00487 2	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	-3.39	-0.0048 15	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	-1.70	-0.0024 15	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-4.15	-0.0058 66	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	3.42	0.00483 4	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-10	1.96	0.00277 0	±2.5	PASS

Band12	10MHz	16QAM	23095	50RB#0	NV	0	3.23	0.00456 5	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	2.23	0.00315 2	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	-2.83	-0.0040 00	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	-3.32	-0.0046 93	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	-1.56	-0.0022 05	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	-2.66	-0.0037 60	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	-3.20	-0.0045 01	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	2.12	0.00298 2	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-10	3.72	0.00523 2	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	-2.76	-0.0038 82	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	-3.76	-0.0052 88	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	-2.60	-0.0036 57	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	-2.25	-0.0031 65	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	-2.09	-0.0029 40	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	2.57	0.00361 5	±2.5	PASS