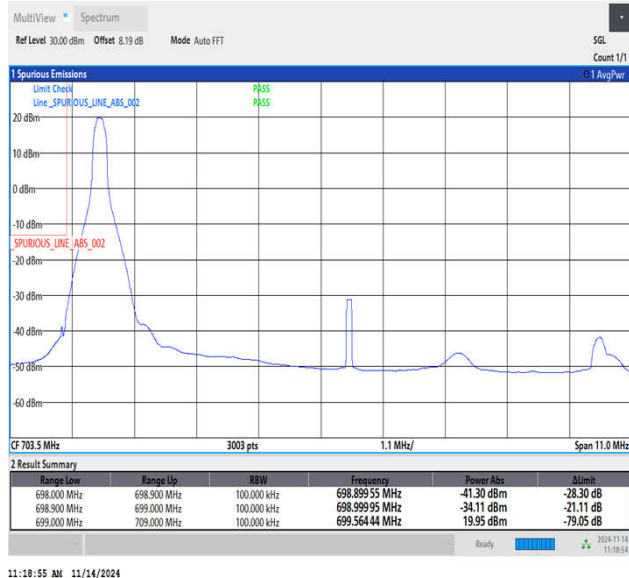
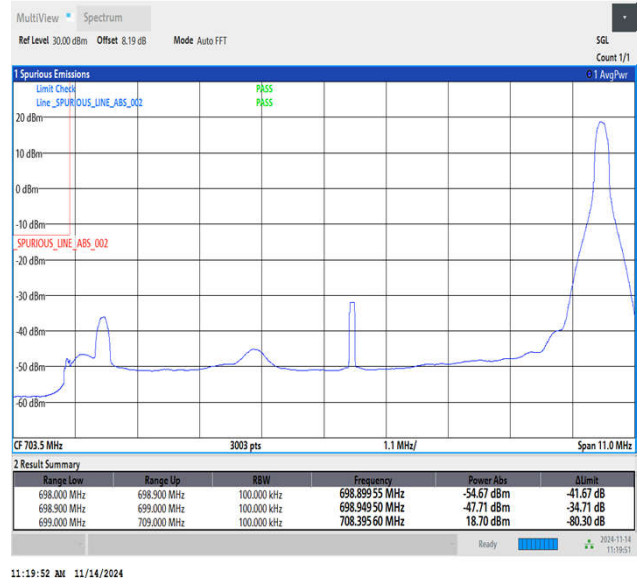
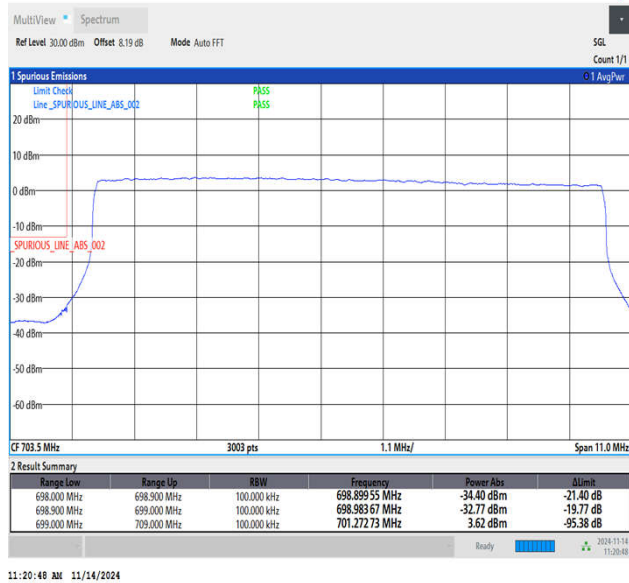




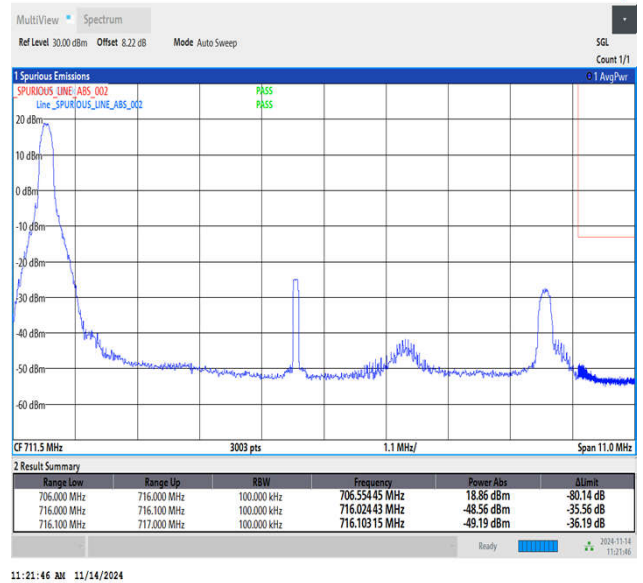
Band12_10MHz_QPSK_23060_1RB#0



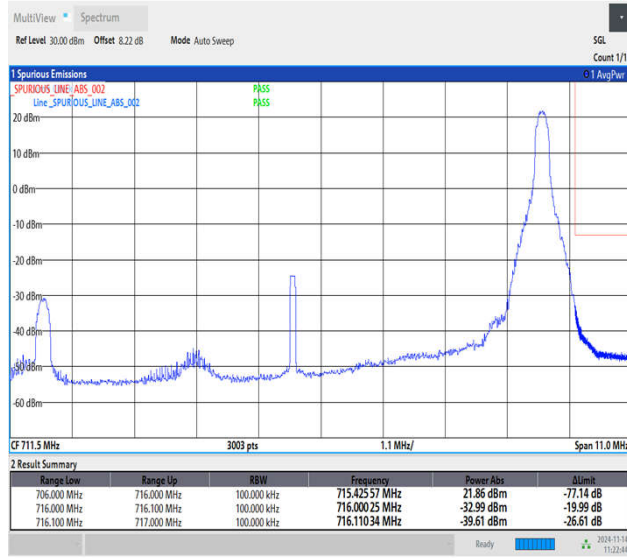
Band12_10MHz_QPSK_23060_1RB#49



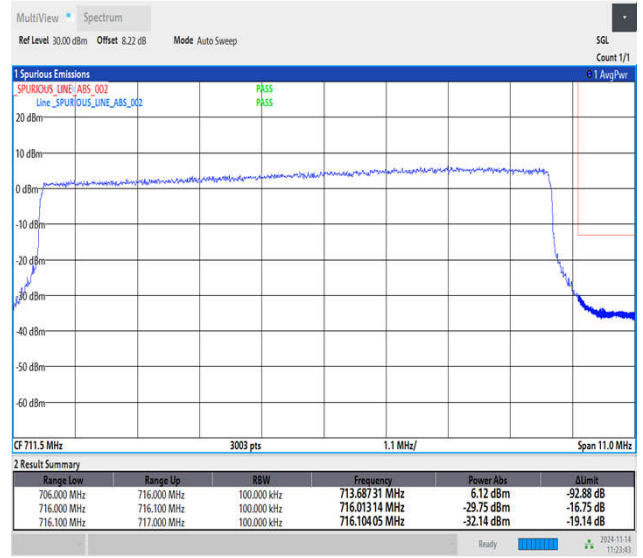
Band12_10MHz_QPSK_23060_50RB#0



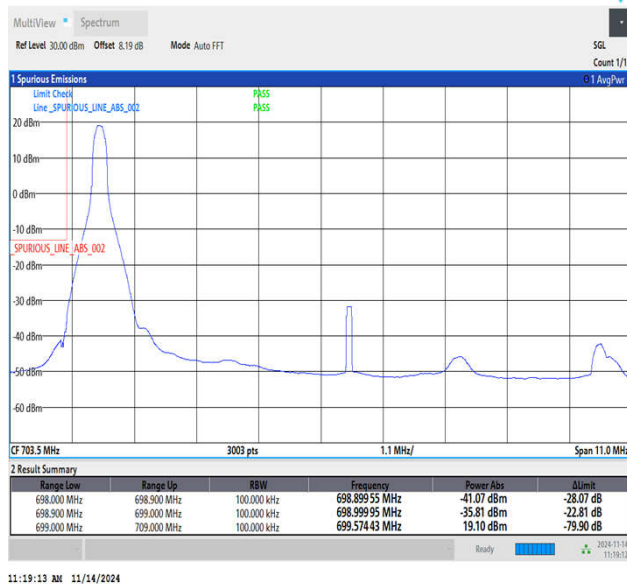
Band12_10MHz_QPSK_23130_1RB#0



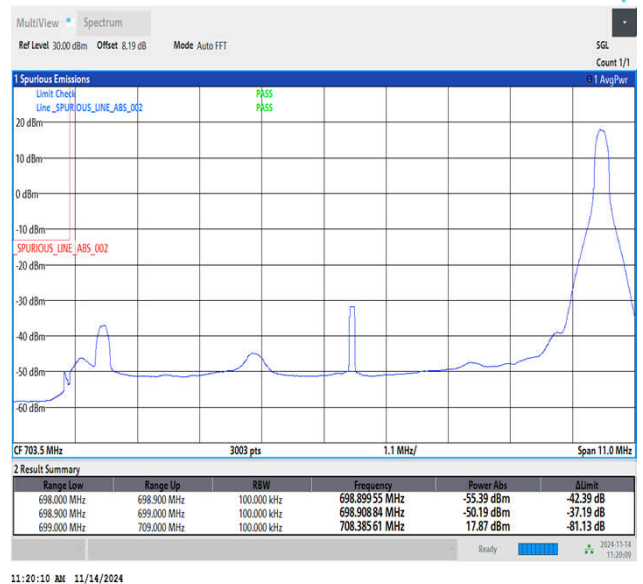
Band12_10MHz_QPSK_23130_1RB#49



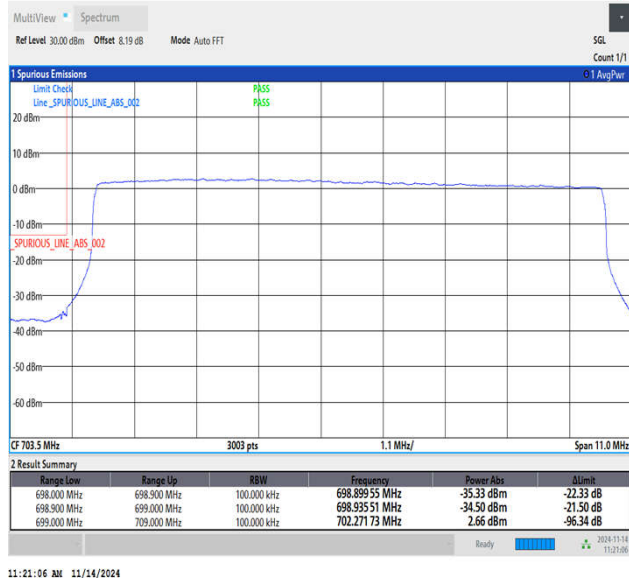
Band12_10MHz_QPSK_23130_50RB#0



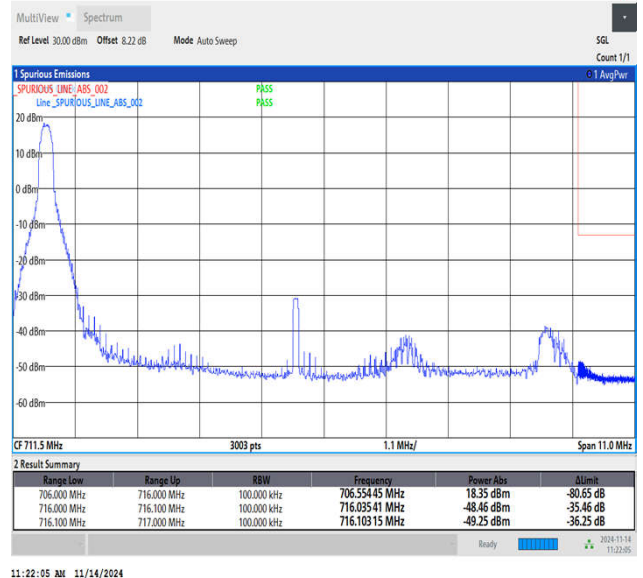
Band12_10MHz_16QAM_23060_1RB#0



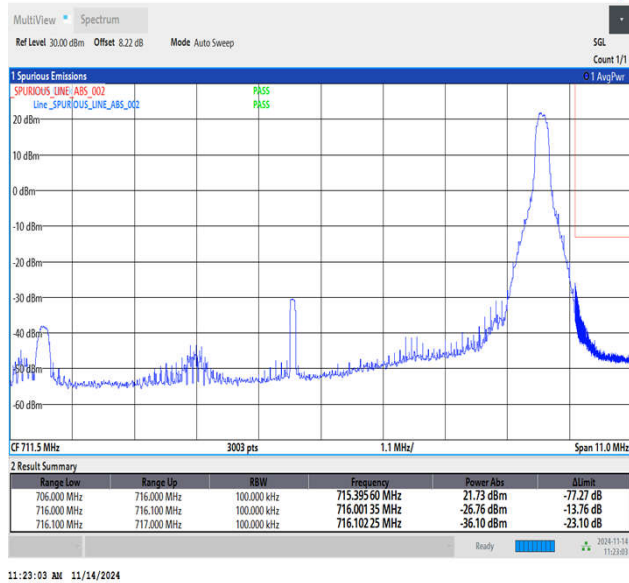
Band12_10MHz_16QAM_23060_1RB#49



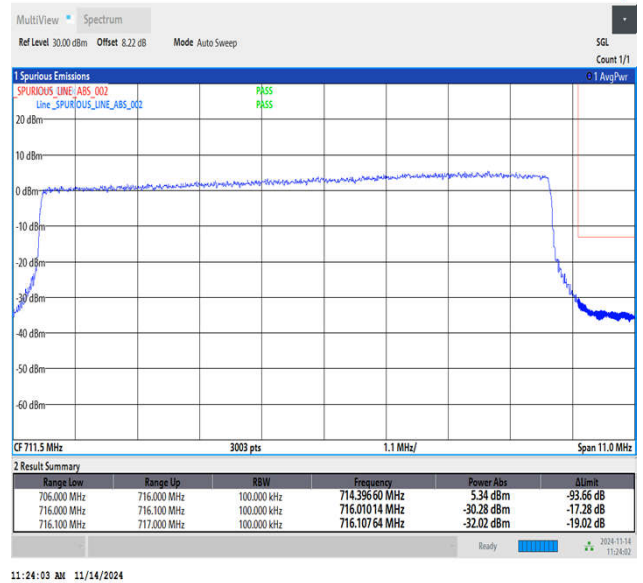
Band12_10MHz_16QAM_23060_50RB#0



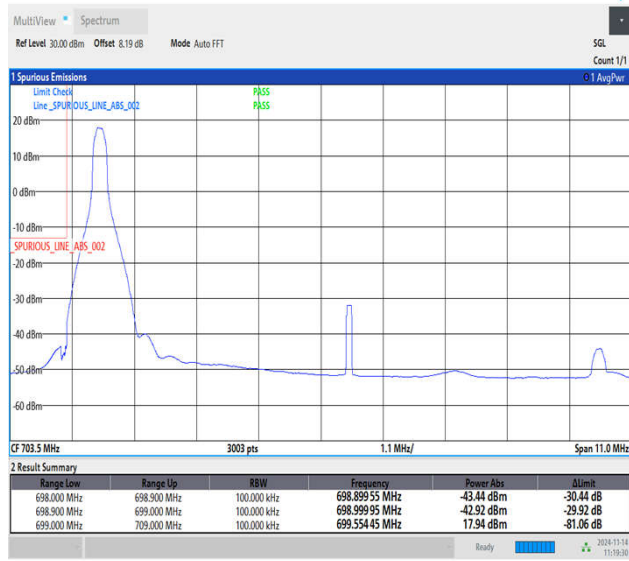
Band12_10MHz_16QAM_23130_1RB#0



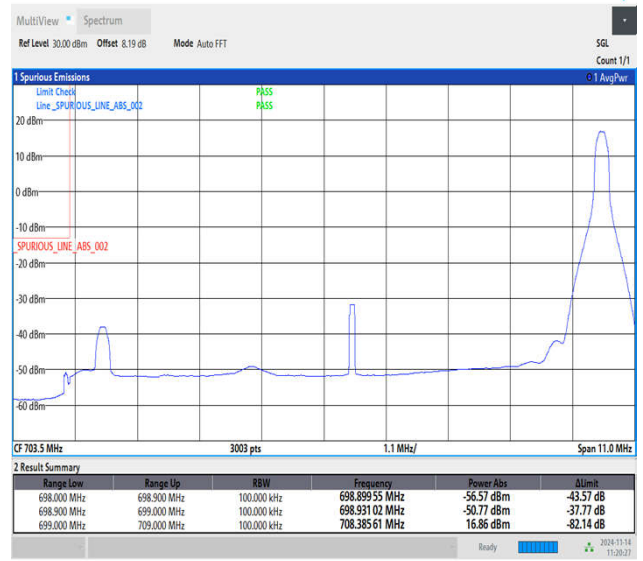
Band12_10MHz_16QAM_23130_1RB#49



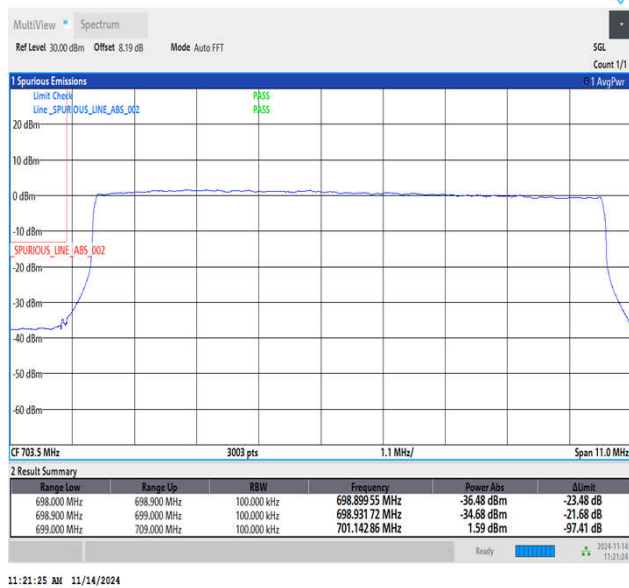
Band12_10MHz_16QAM_23130_50RB#0



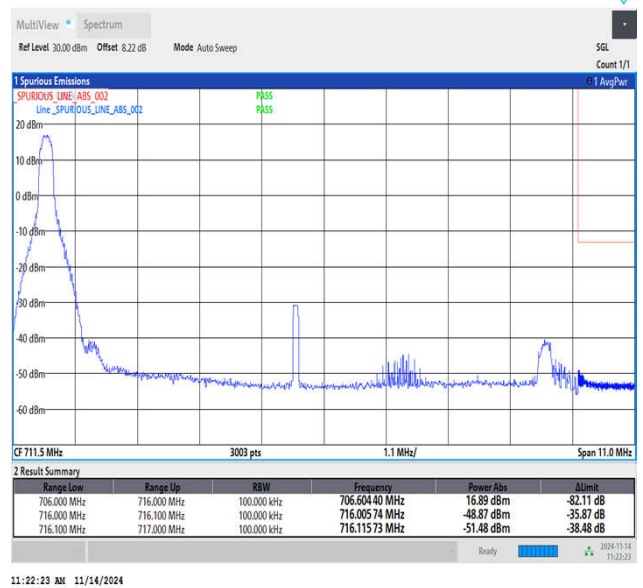
Band12_10MHz_64QAM_23060_1RB#0



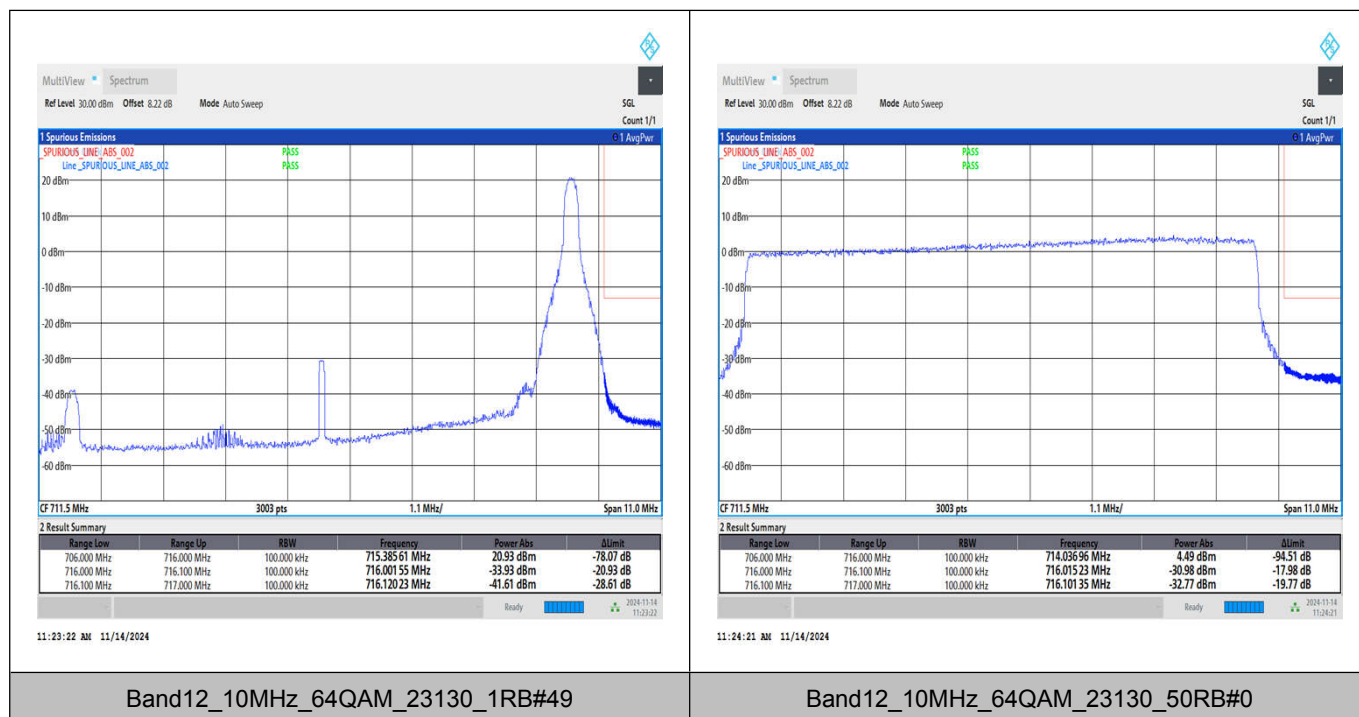
Band12_10MHz_64QAM_23060_1RB#49



Band12_10MHz_64QAM_23060_50RB#0



Band12_10MHz_64QAM_23130_1RB#0



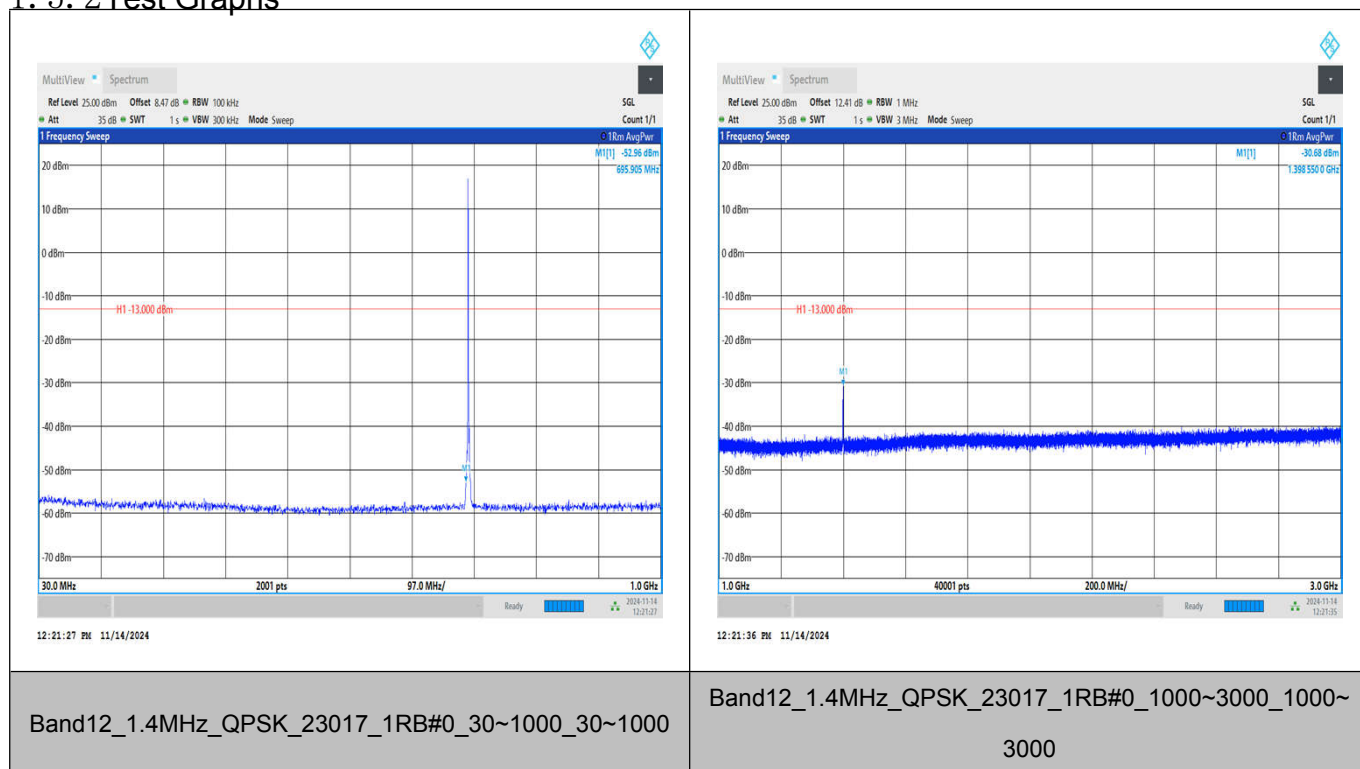
1.5 Conducted Spurious Emission

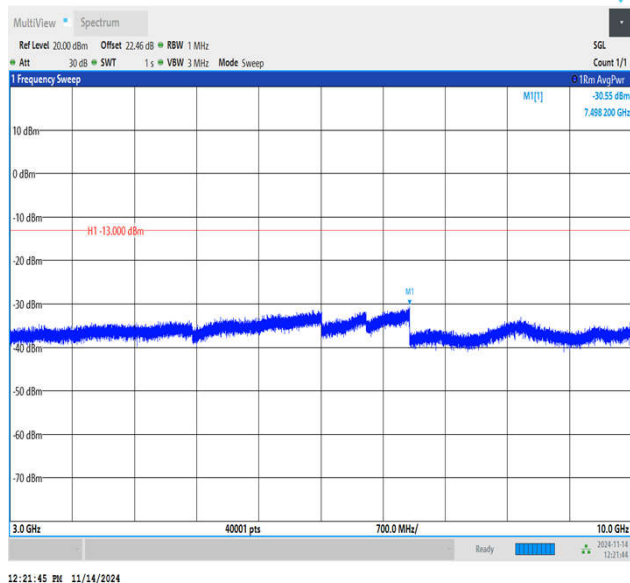
1.5.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-52.96	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-30.68	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-30.55	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-52.26	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-35.33	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-30.63	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-52.88	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-34.17	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-30.38	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-56.14	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-32.92	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-30.62	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-55.77	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-35.44	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-30.58	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-55.53	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-32.74	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-30.58	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-55.72	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-33.32	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-30.24	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-56.00	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-36.42	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-30.96	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-55.25	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-37.50	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-30.47	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-55.80	PASS

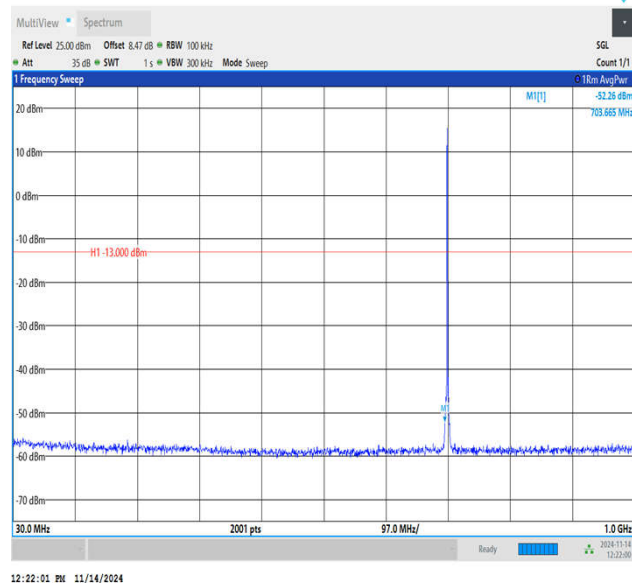
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-32.50	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-30.30	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-56.13	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-32.43	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-30.54	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-55.92	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-35.31	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-30.66	PASS

1. 5. 2 Test Graphs

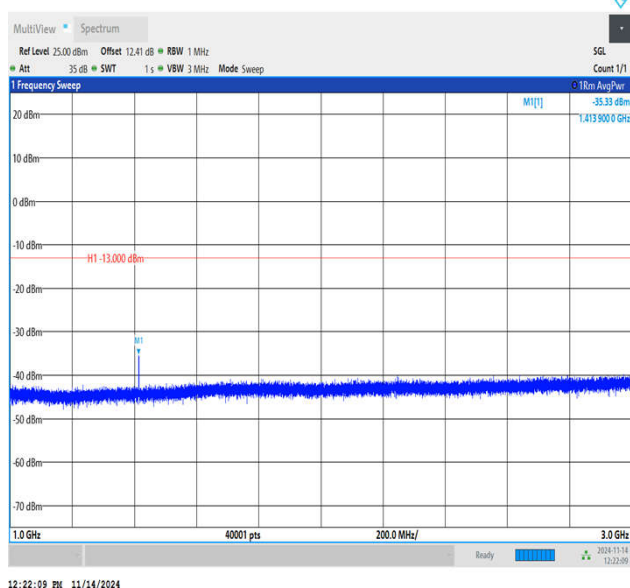




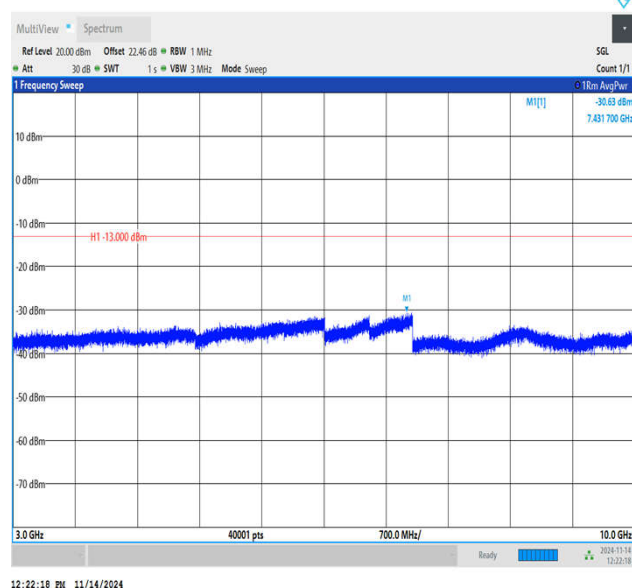
Band12_1.4MHz_QPSK_23017_1RB#0_3000~10000_3000
~10000



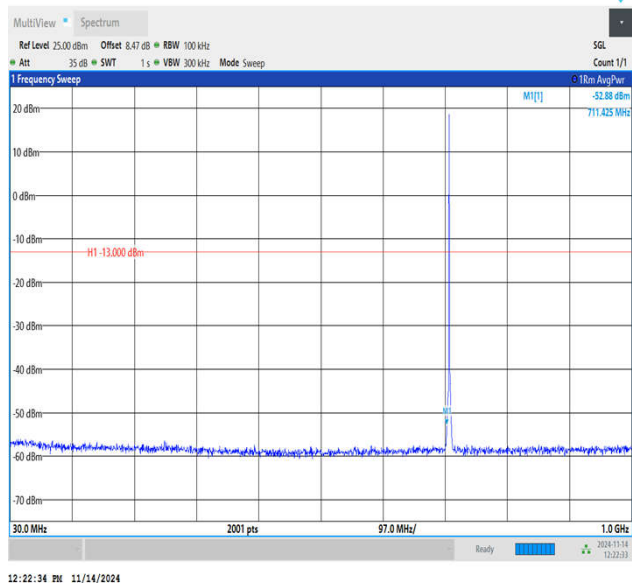
Band12_1.4MHz_QPSK_23095_1RB#0_30~1000_30~1000



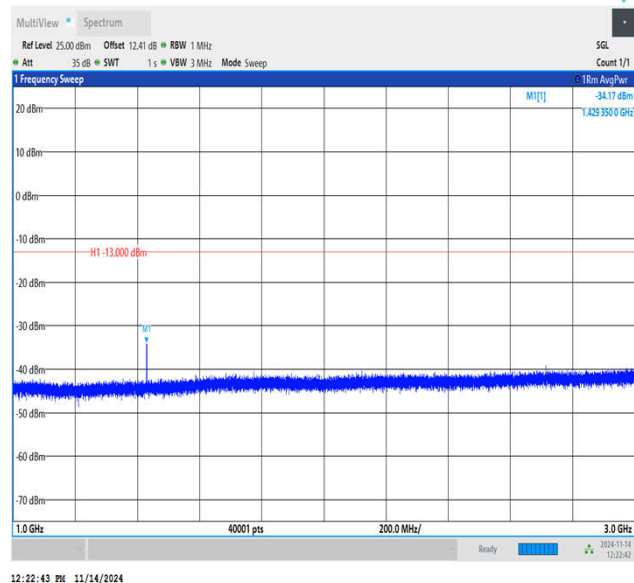
Band12_1.4MHz_QPSK_23095_1RB#0_1000~3000_1000~
3000



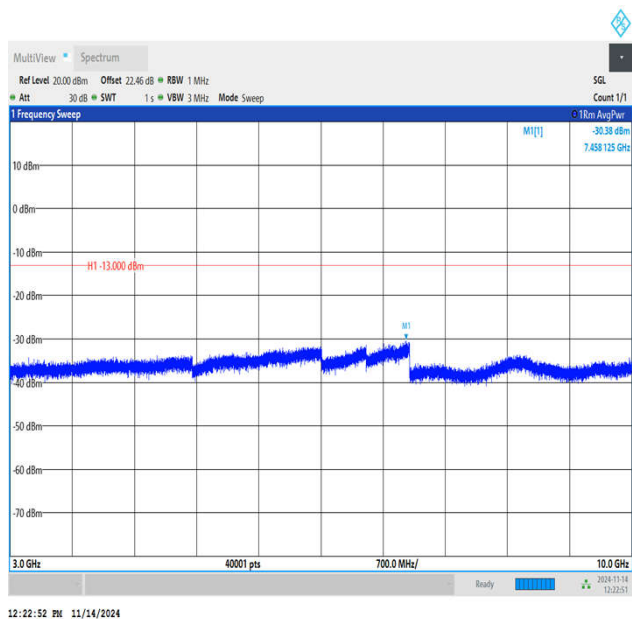
Band12_1.4MHz_QPSK_23095_1RB#0_3000~10000_3000
~10000



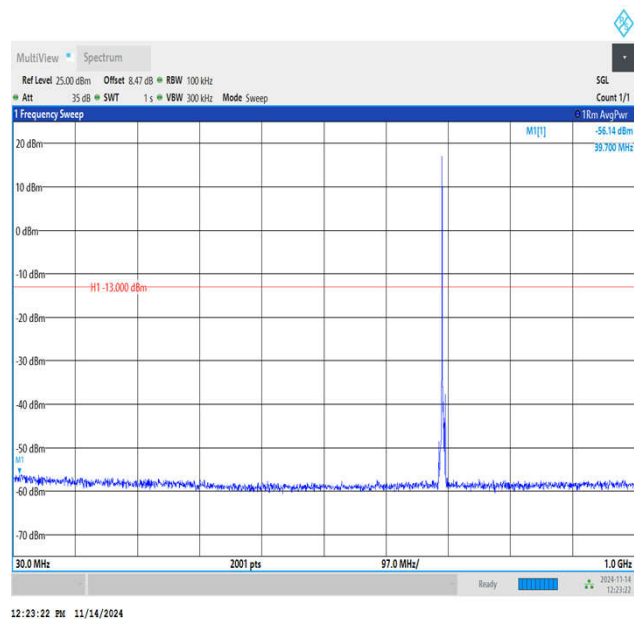
Band12_1.4MHz_QPSK_23173_1RB#0_30~1000_30~1000



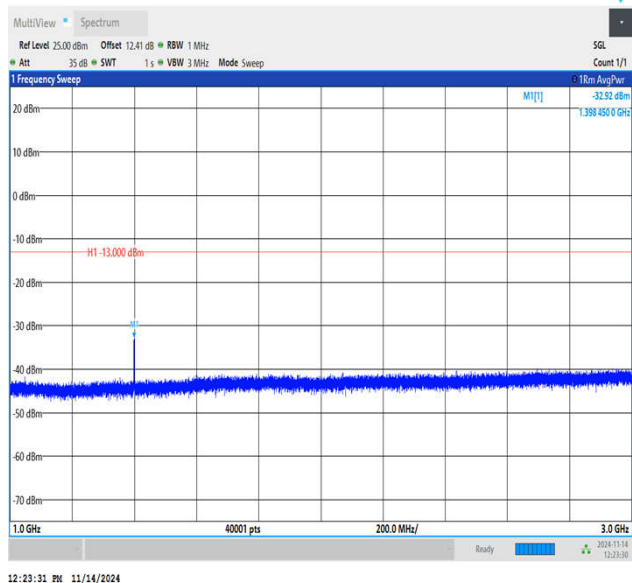
Band12_1.4MHz_QPSK_23173_1RB#0_1000~3000_1000~3000



Band12_1.4MHz_QPSK_23173_1RB#0_3000~10000_3000~10000

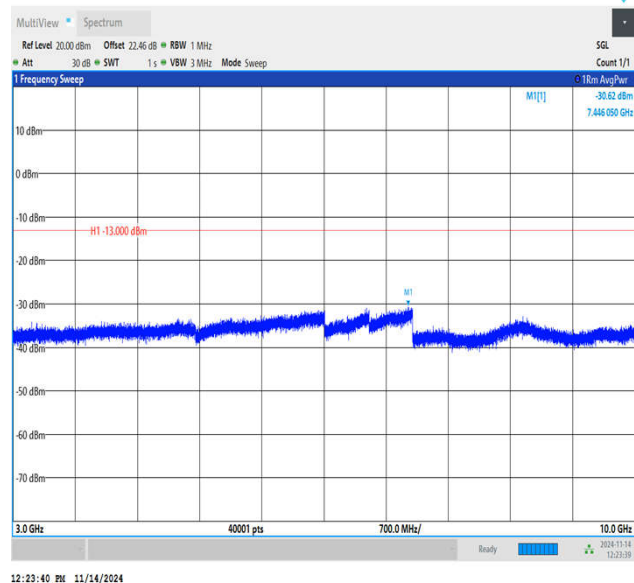


Band12_3MHz_QPSK_23025_1RB#0_30~1000_30~1000



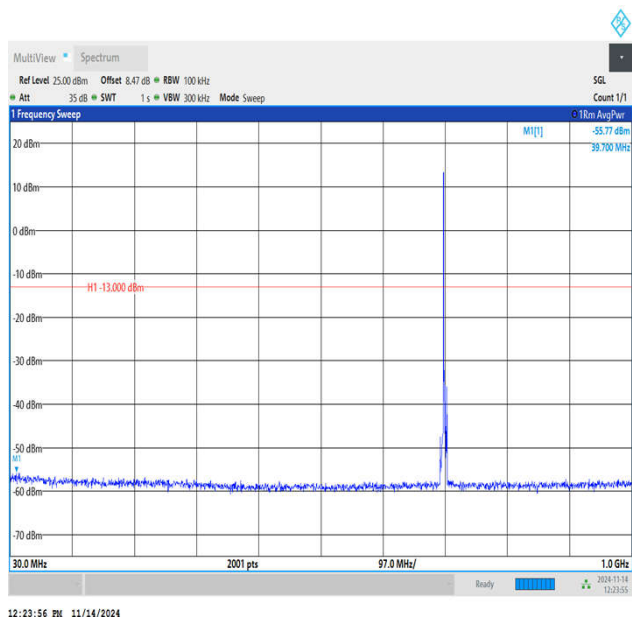
Band12_3MHz_QPSK_23025_1RB#0_1000~3000_1000~30

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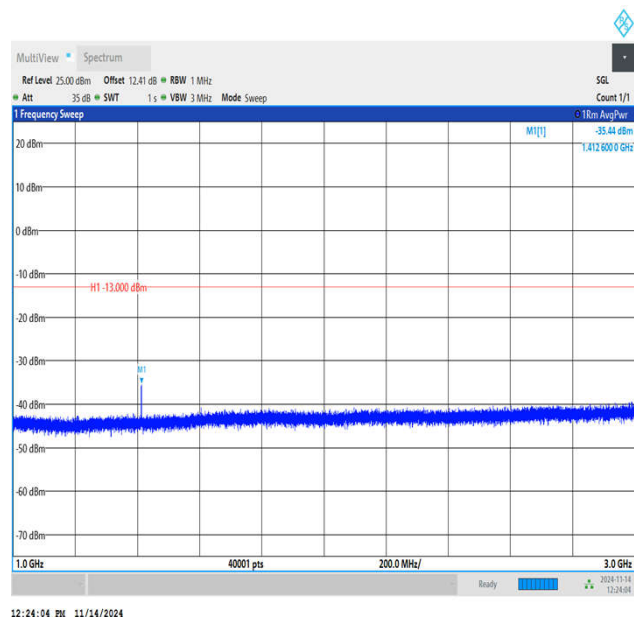


Band12_3MHz_QPSK_23025_1RB#0_3000~10000_3000~1

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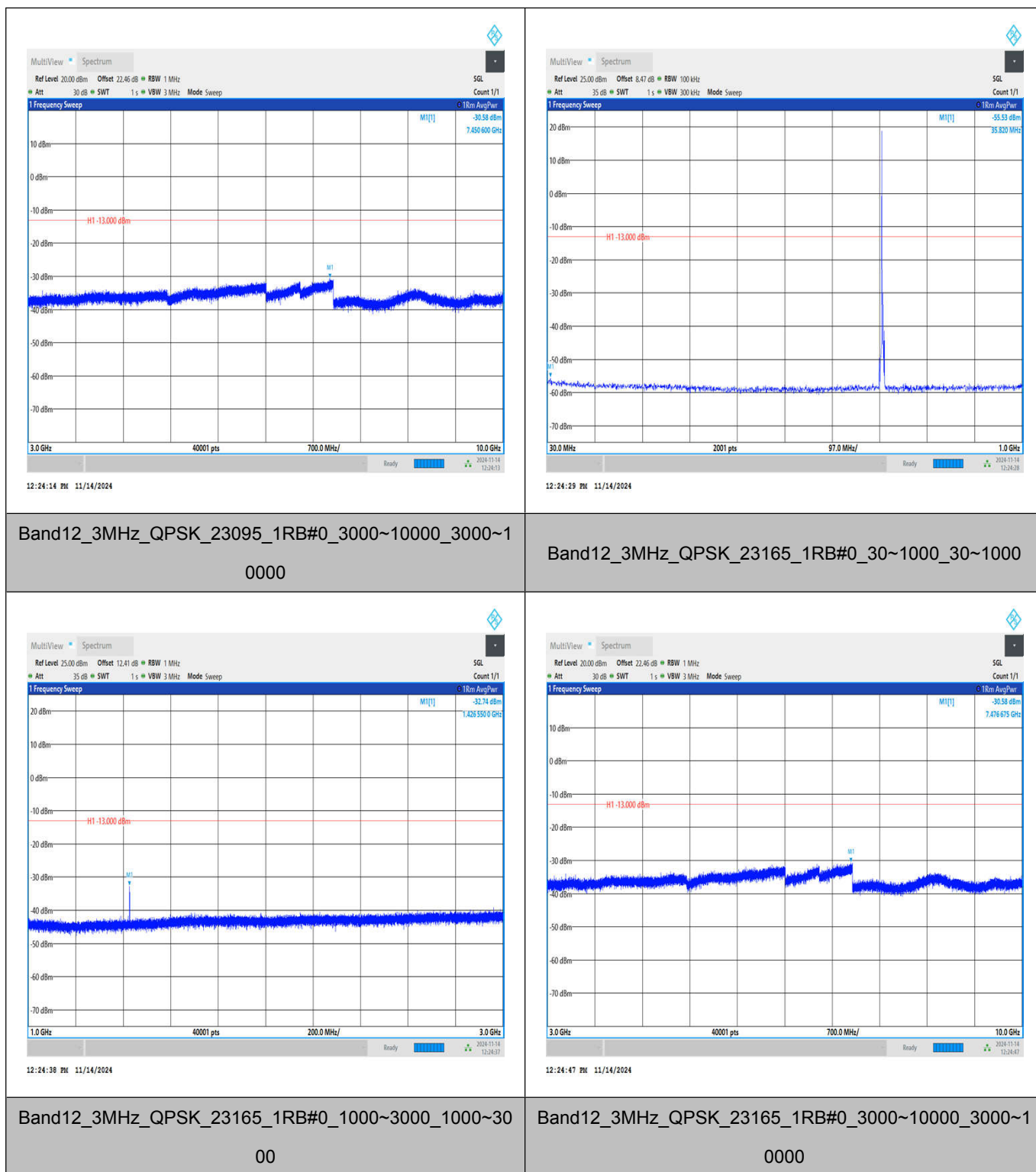


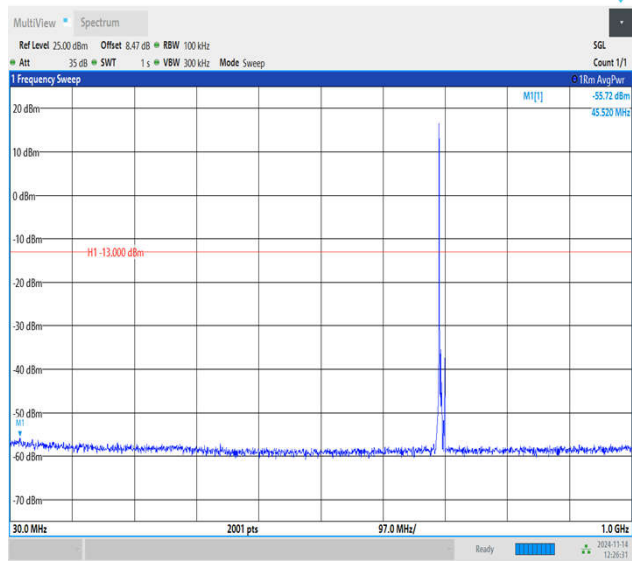
Band12_3MHz_QPSK_23095_1RB#0_30~1000_30~1000



Band12_3MHz_QPSK_23095_1RB#0_1000~3000_1000~30

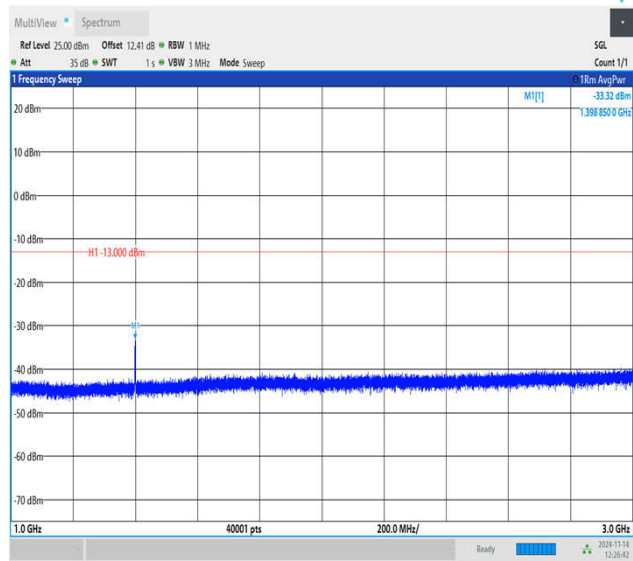
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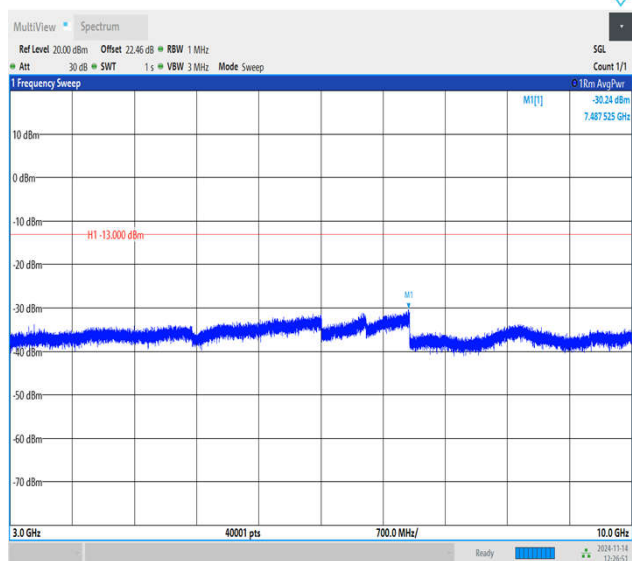
12:26:31 PM 11/14/2024

Band12_5MHz_QPSK_23035_1RB#0_30~1000_30~1000



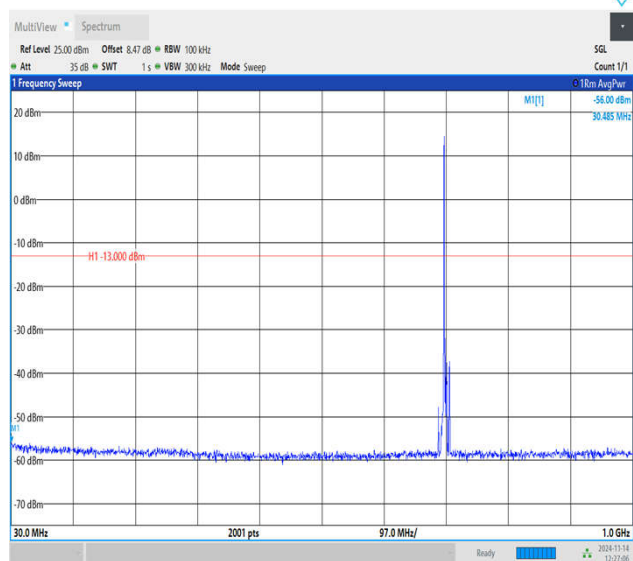
12:26:42 PM 11/14/2024

Band12_5MHz_QPSK_23035_1RB#0_1000~3000_1000~3000



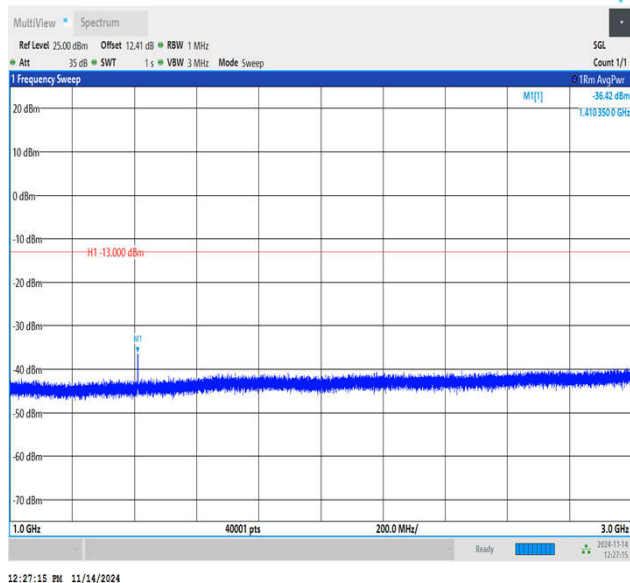
12:26:51 PM 11/14/2024

Band12_5MHz_QPSK_23035_1RB#0_3000~10000_3000~10000

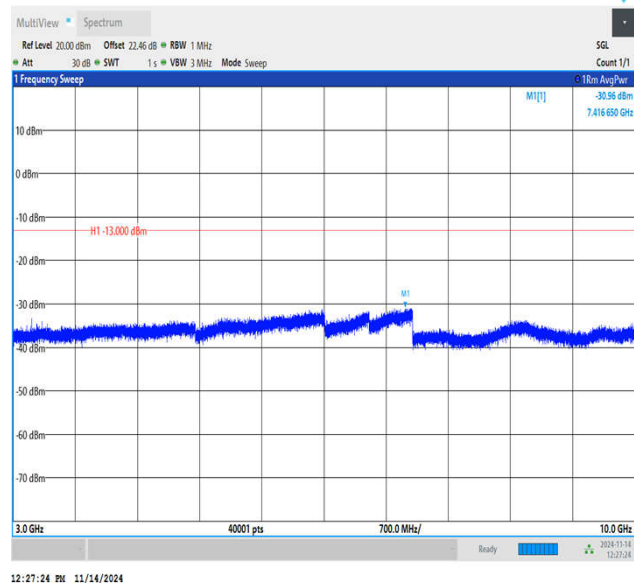


12:27:07 PM 11/14/2024

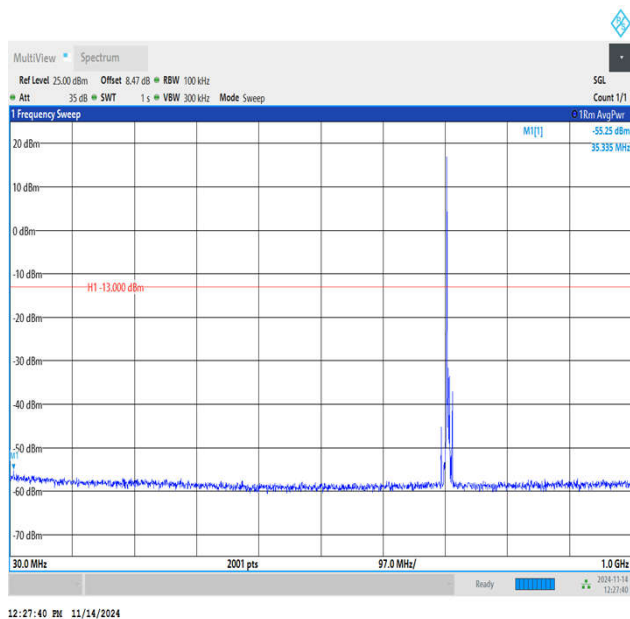
Band12_5MHz_QPSK_23095_1RB#0_30~1000_30~1000



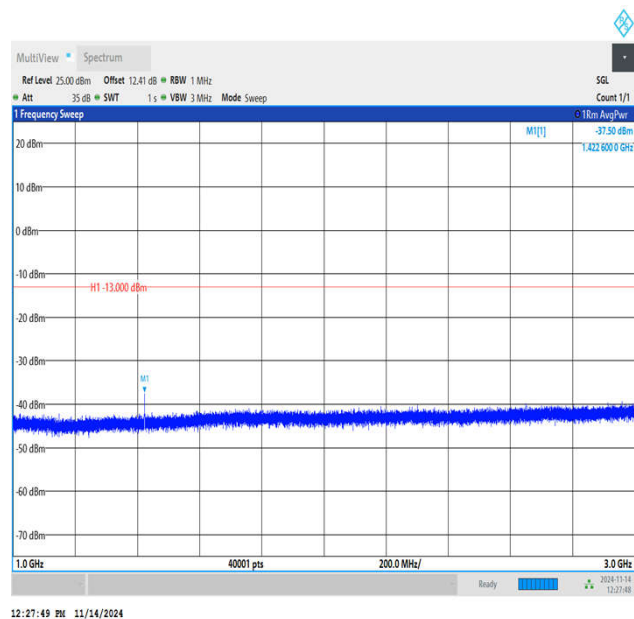
Band12_5MHz_QPSK_23095_1RB#0_1000~3000_1000~30
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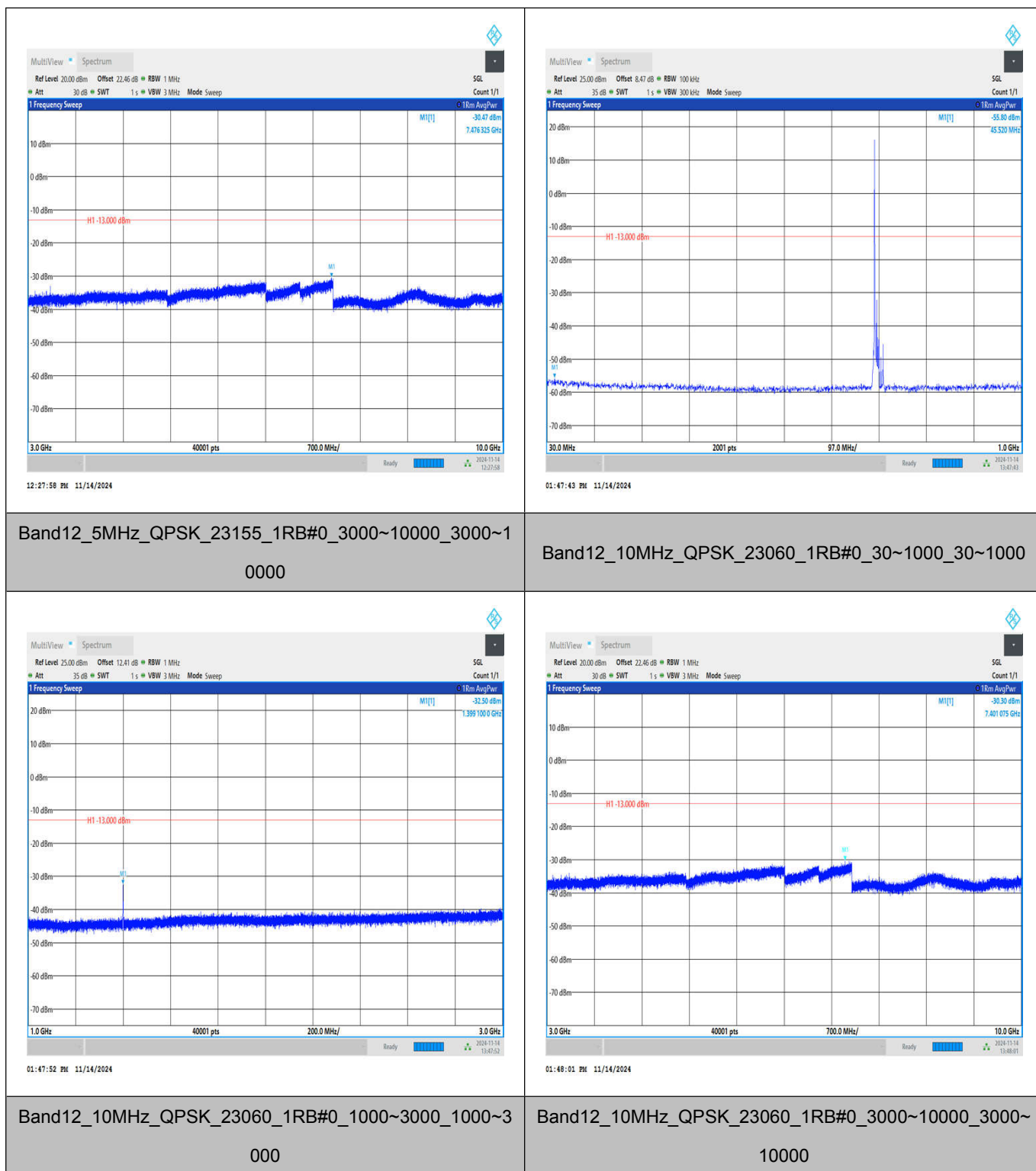
Band12_5MHz_QPSK_23095_1RB#0_3000~10000_3000~1
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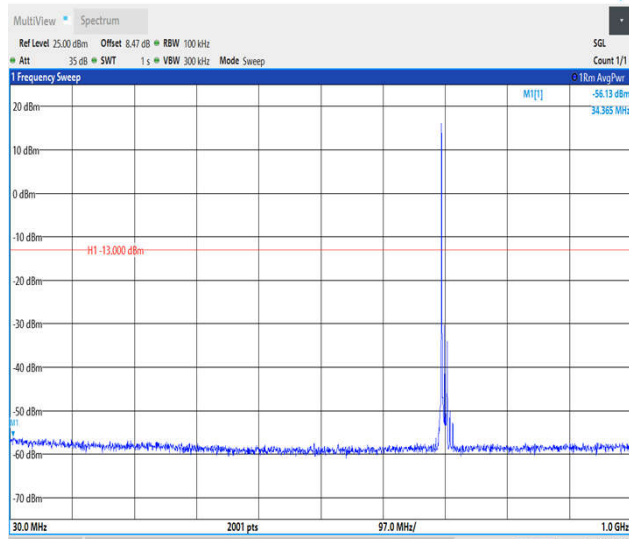


Band12_5MHz_QPSK_23155_1RB#0_30~1000_30~1000

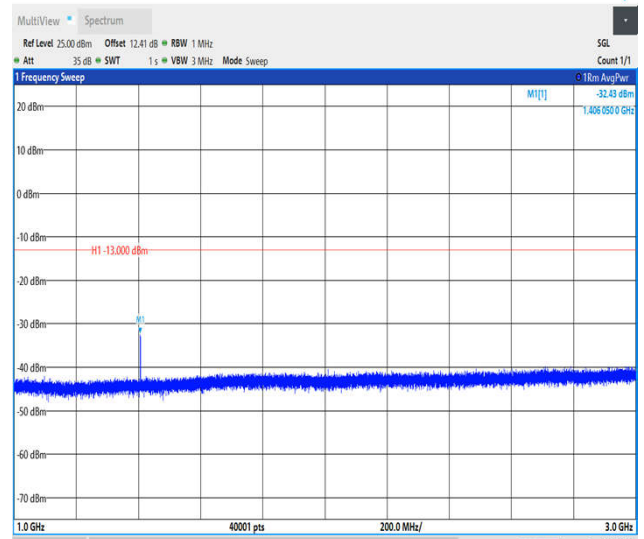


Band12_5MHz_QPSK_23155_1RB#0_1000~3000_1000~30
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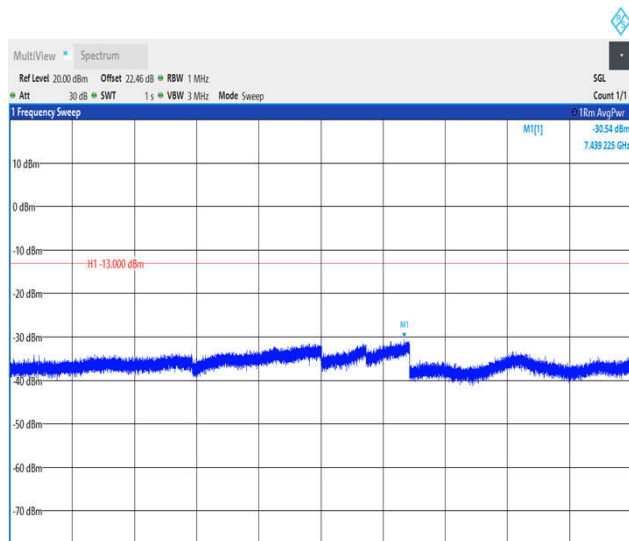




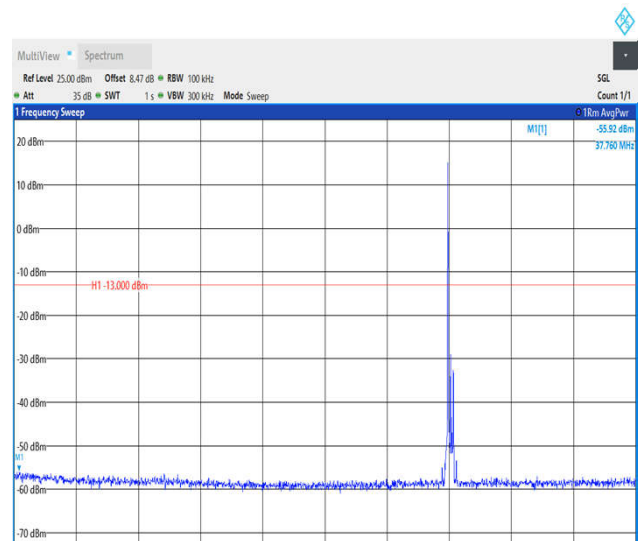
Band12_10MHz_QPSK_23095_1RB#0_30~1000_30~1000



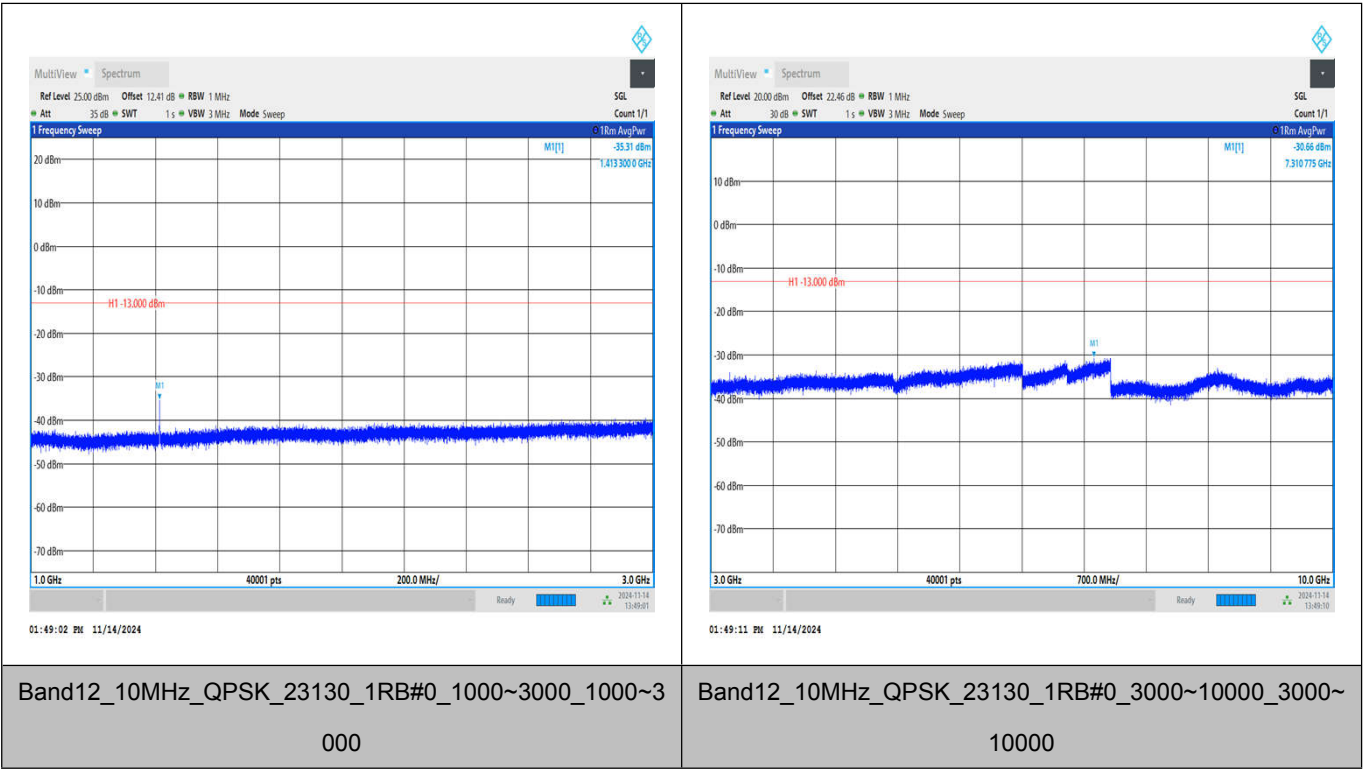
Band12_10MHz_QPSK_23095_1RB#0_1000~3000_1000~3000



Band12_10MHz_QPSK_23095_1RB#0_3000~10000_3000~10000



Band12_10MHz_QPSK_23130_1RB#0_30~1000_30~1000



1.6 Frequency Stability

1.6.1 Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	VN	NT	-15.20	-0.021724	±2.5
Band12	1.4MHz	QPSK	23017	6RB#0	VL	NT	-10.80	-0.015435	±2.5
Band12	1.4MHz	QPSK	23017	6RB#0	VH	NT	-7.10	-0.010147	±2.5
Band12	1.4MHz	QPSK	23095	6RB#0	VN	NT	-2.60	-0.003675	±2.5
Band12	1.4MHz	QPSK	23095	6RB#0	VL	NT	-4.30	-0.006078	±2.5
Band12	1.4MHz	QPSK	23095	6RB#0	VH	NT	0.00	0.000000	±2.5
Band12	1.4MHz	QPSK	23173	6RB#0	VN	NT	0.10	0.000140	±2.5
Band12	1.4MHz	QPSK	23173	6RB#0	VL	NT	-2.10	-0.002936	±2.5
Band12	1.4MHz	QPSK	23173	6RB#0	VH	NT	-0.80	-0.001118	±2.5
Band12	3MHz	QPSK	23025	15RB#0	VN	NT	2.10	0.002998	±2.5
Band12	3MHz	QPSK	23025	15RB#0	VL	NT	0.30	0.000428	±2.5
Band12	3MHz	QPSK	23025	15RB#0	VH	NT	1.40	0.001999	±2.5
Band12	3MHz	QPSK	23095	15RB#0	VN	NT	1.00	0.001413	±2.5
Band12	3MHz	QPSK	23095	15RB#0	VL	NT	1.40	0.001979	±2.5
Band12	3MHz	QPSK	23095	15RB#0	VH	NT	2.10	0.002968	±2.5
Band12	3MHz	QPSK	23165	15RB#0	VN	NT	3.60	0.005038	±2.5
Band12	3MHz	QPSK	23165	15RB#0	VL	NT	1.90	0.002659	±2.5
Band12	3MHz	QPSK	23165	15RB#0	VH	NT	0.90	0.001260	±2.5
Band12	5MHz	QPSK	23035	25RB#0	VN	NT	0.30	0.000428	±2.5
Band12	5MHz	QPSK	23035	25RB#0	VL	NT	1.90	0.002708	±2.5
Band12	5MHz	QPSK	23035	25RB#0	VH	NT	0.00	0.000000	±2.5
Band12	5MHz	QPSK	23095	25RB#0	VN	NT	-0.50	-0.000707	±2.5
Band12	5MHz	QPSK	23095	25RB#0	VL	NT	0.00	0.000000	±2.5
Band12	5MHz	QPSK	23095	25RB#0	VH	NT	0.40	0.000565	±2.5
Band12	5MHz	QPSK	23155	25RB#0	VN	NT	3.00	0.004205	±2.5
Band12	5MHz	QPSK	23155	25RB#0	VL	NT	-0.20	-0.000280	±2.5
Band12	5MHz	QPSK	23155	25RB#0	VH	NT	0.20	0.000280	±2.5

Band12	10MHz	QPSK	23060	50RB#0	VN	NT	1.90	0.002699	±2.5
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	2.40	0.003409	±2.5
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	2.20	0.003125	±2.5
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	1.10	0.001555	±2.5
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	0.80	0.001131	±2.5
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-0.60	-0.000848	±2.5
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	0.00	0.000000	±2.5
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-0.10	-0.000141	±2.5
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-1.40	-0.001969	±2.5

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-30	-4.00	-0.005717	±2.5
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-20	-1.80	-0.002573	±2.5
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-10	-3.40	-0.004859	±2.5
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	-0.80	-0.001143	±2.5
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	-2.20	-0.003144	±2.5
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	-0.80	-0.001143	±2.5
Band12	1.4MHz	QPSK	23017	6RB#0	NV	30	-1.70	-0.002430	±2.5
Band12	1.4MHz	QPSK	23017	6RB#0	NV	40	0.00	0.000000	±2.5
Band12	1.4MHz	QPSK	23017	6RB#0	NV	50	-2.30	-0.003287	±2.5
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-30	-2.00	-0.002827	±2.5
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-20	-1.60	-0.002261	±2.5
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-10	-3.00	-0.004240	±2.5
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	-1.00	-0.001413	±2.5
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	-1.20	-0.001696	±2.5
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	-0.40	-0.000565	±2.5
Band12	1.4MHz	QPSK	23095	6RB#0	NV	30	1.10	0.001555	±2.5
Band12	1.4MHz	QPSK	23095	6RB#0	NV	40	-2.90	-0.004099	±2.5
Band12	1.4MHz	QPSK	23095	6RB#0	NV	50	0.00	0.000000	±2.5
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-30	-1.90	-0.002656	±2.5
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-20	-2.80	-0.003914	±2.5
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-10	-1.60	-0.002237	±2.5
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	-1.40	-0.001957	±2.5

Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	-1.50	-0.002097	±2.5
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	-1.80	-0.002516	±2.5
Band12	1.4MHz	QPSK	23173	6RB#0	NV	30	-0.70	-0.000979	±2.5
Band12	1.4MHz	QPSK	23173	6RB#0	NV	40	-0.20	-0.000280	±2.5
Band12	1.4MHz	QPSK	23173	6RB#0	NV	50	-1.70	-0.002377	±2.5
Band12	3MHz	QPSK	23025	15RB#0	NV	-30	2.20	0.003141	±2.5
Band12	3MHz	QPSK	23025	15RB#0	NV	-20	2.10	0.002998	±2.5
Band12	3MHz	QPSK	23025	15RB#0	NV	-10	-0.60	-0.000857	±2.5
Band12	3MHz	QPSK	23025	15RB#0	NV	0	1.00	0.001428	±2.5
Band12	3MHz	QPSK	23025	15RB#0	NV	10	0.50	0.000714	±2.5
Band12	3MHz	QPSK	23025	15RB#0	NV	20	1.70	0.002427	±2.5
Band12	3MHz	QPSK	23025	15RB#0	NV	30	0.90	0.001285	±2.5
Band12	3MHz	QPSK	23025	15RB#0	NV	40	2.20	0.003141	±2.5
Band12	3MHz	QPSK	23025	15RB#0	NV	50	0.70	0.000999	±2.5
Band12	3MHz	QPSK	23095	15RB#0	NV	-30	2.30	0.003251	±2.5
Band12	3MHz	QPSK	23095	15RB#0	NV	-20	4.00	0.005654	±2.5
Band12	3MHz	QPSK	23095	15RB#0	NV	-10	1.40	0.001979	±2.5
Band12	3MHz	QPSK	23095	15RB#0	NV	0	3.40	0.004806	±2.5
Band12	3MHz	QPSK	23095	15RB#0	NV	10	2.50	0.003534	±2.5
Band12	3MHz	QPSK	23095	15RB#0	NV	20	2.00	0.002827	±2.5
Band12	3MHz	QPSK	23095	15RB#0	NV	30	3.30	0.004664	±2.5
Band12	3MHz	QPSK	23095	15RB#0	NV	40	2.40	0.003392	±2.5
Band12	3MHz	QPSK	23095	15RB#0	NV	50	2.70	0.003816	±2.5
Band12	3MHz	QPSK	23165	15RB#0	NV	-30	2.10	0.002939	±2.5
Band12	3MHz	QPSK	23165	15RB#0	NV	-20	0.50	0.000700	±2.5
Band12	3MHz	QPSK	23165	15RB#0	NV	-10	3.60	0.005038	±2.5
Band12	3MHz	QPSK	23165	15RB#0	NV	0	1.40	0.001959	±2.5
Band12	3MHz	QPSK	23165	15RB#0	NV	10	0.70	0.000980	±2.5
Band12	3MHz	QPSK	23165	15RB#0	NV	20	0.90	0.001260	±2.5
Band12	3MHz	QPSK	23165	15RB#0	NV	30	0.60	0.000840	±2.5
Band12	3MHz	QPSK	23165	15RB#0	NV	40	2.20	0.003079	±2.5
Band12	3MHz	QPSK	23165	15RB#0	NV	50	2.90	0.004059	±2.5
Band12	5MHz	QPSK	23035	25RB#0	NV	-30	-0.50	-0.000713	±2.5
Band12	5MHz	QPSK	23035	25RB#0	NV	-20	0.60	0.000855	±2.5

Band12	5MHz	QPSK	23035	25RB#0	NV	-10	2.20	0.003136	±2.5
Band12	5MHz	QPSK	23035	25RB#0	NV	0	-0.20	-0.000285	±2.5
Band12	5MHz	QPSK	23035	25RB#0	NV	10	1.60	0.002281	±2.5
Band12	5MHz	QPSK	23035	25RB#0	NV	20	-0.40	-0.000570	±2.5
Band12	5MHz	QPSK	23035	25RB#0	NV	30	3.80	0.005417	±2.5
Band12	5MHz	QPSK	23035	25RB#0	NV	40	1.80	0.002566	±2.5
Band12	5MHz	QPSK	23035	25RB#0	NV	50	2.80	0.003991	±2.5
Band12	5MHz	QPSK	23095	25RB#0	NV	-30	0.30	0.000424	±2.5
Band12	5MHz	QPSK	23095	25RB#0	NV	-20	1.00	0.001413	±2.5
Band12	5MHz	QPSK	23095	25RB#0	NV	-10	-0.20	-0.000283	±2.5
Band12	5MHz	QPSK	23095	25RB#0	NV	0	0.50	0.000707	±2.5
Band12	5MHz	QPSK	23095	25RB#0	NV	10	-0.60	-0.000848	±2.5
Band12	5MHz	QPSK	23095	25RB#0	NV	20	-0.50	-0.000707	±2.5
Band12	5MHz	QPSK	23095	25RB#0	NV	30	0.10	0.000141	±2.5
Band12	5MHz	QPSK	23095	25RB#0	NV	40	0.90	0.001272	±2.5
Band12	5MHz	QPSK	23095	25RB#0	NV	50	0.20	0.000283	±2.5
Band12	5MHz	QPSK	23155	25RB#0	NV	-30	0.90	0.001261	±2.5
Band12	5MHz	QPSK	23155	25RB#0	NV	-20	1.00	0.001402	±2.5
Band12	5MHz	QPSK	23155	25RB#0	NV	-10	1.90	0.002663	±2.5
Band12	5MHz	QPSK	23155	25RB#0	NV	0	-0.80	-0.001121	±2.5
Band12	5MHz	QPSK	23155	25RB#0	NV	10	1.10	0.001542	±2.5
Band12	5MHz	QPSK	23155	25RB#0	NV	20	0.40	0.000561	±2.5
Band12	5MHz	QPSK	23155	25RB#0	NV	30	0.40	0.000561	±2.5
Band12	5MHz	QPSK	23155	25RB#0	NV	40	0.40	0.000561	±2.5
Band12	5MHz	QPSK	23155	25RB#0	NV	50	-0.10	-0.000140	±2.5
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	1.90	0.002699	±2.5
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	3.10	0.004403	±2.5
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	1.90	0.002699	±2.5
Band12	10MHz	QPSK	23060	50RB#0	NV	0	1.70	0.002415	±2.5
Band12	10MHz	QPSK	23060	50RB#0	NV	10	0.60	0.000852	±2.5
Band12	10MHz	QPSK	23060	50RB#0	NV	20	1.10	0.001563	±2.5
Band12	10MHz	QPSK	23060	50RB#0	NV	30	1.50	0.002131	±2.5
Band12	10MHz	QPSK	23060	50RB#0	NV	40	2.20	0.003125	±2.5
Band12	10MHz	QPSK	23060	50RB#0	NV	50	1.30	0.001847	±2.5

Band12	10MHz	QPSK	23095	50RB#0	NV	-30	0.50	0.000707	±2.5
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	1.30	0.001837	±2.5
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	0.50	0.000707	±2.5
Band12	10MHz	QPSK	23095	50RB#0	NV	0	0.40	0.000565	±2.5
Band12	10MHz	QPSK	23095	50RB#0	NV	10	0.30	0.000424	±2.5
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-0.40	-0.000565	±2.5
Band12	10MHz	QPSK	23095	50RB#0	NV	30	0.90	0.001272	±2.5
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-0.30	-0.000424	±2.5
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-0.20	-0.000283	±2.5
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	0.10	0.000141	±2.5
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	1.00	0.001406	±2.5
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	0.40	0.000563	±2.5
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-2.30	-0.003235	±2.5
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-0.40	-0.000563	±2.5
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-0.20	-0.000281	±2.5
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-0.10	-0.000141	±2.5
Band12	10MHz	QPSK	23130	50RB#0	NV	40	0.30	0.000422	±2.5
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-1.10	-0.001547	±2.5