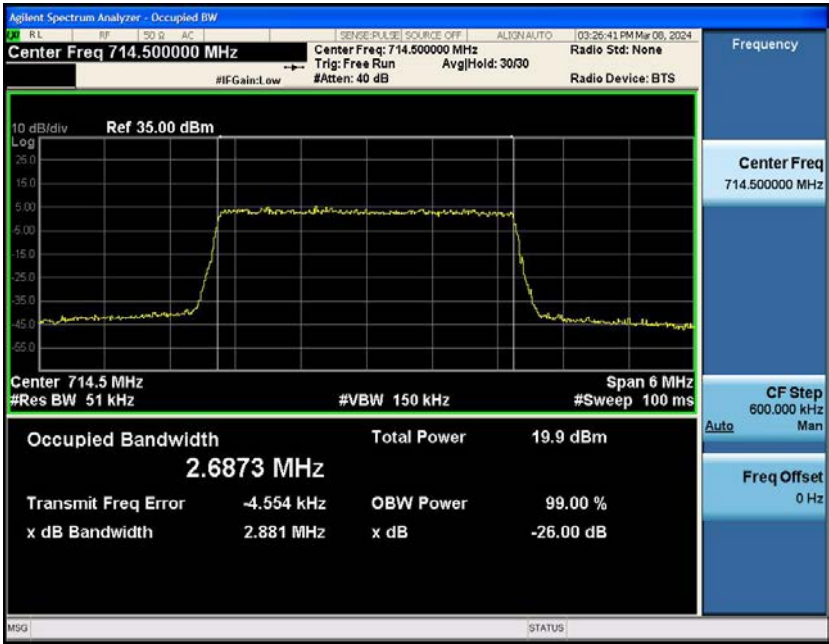




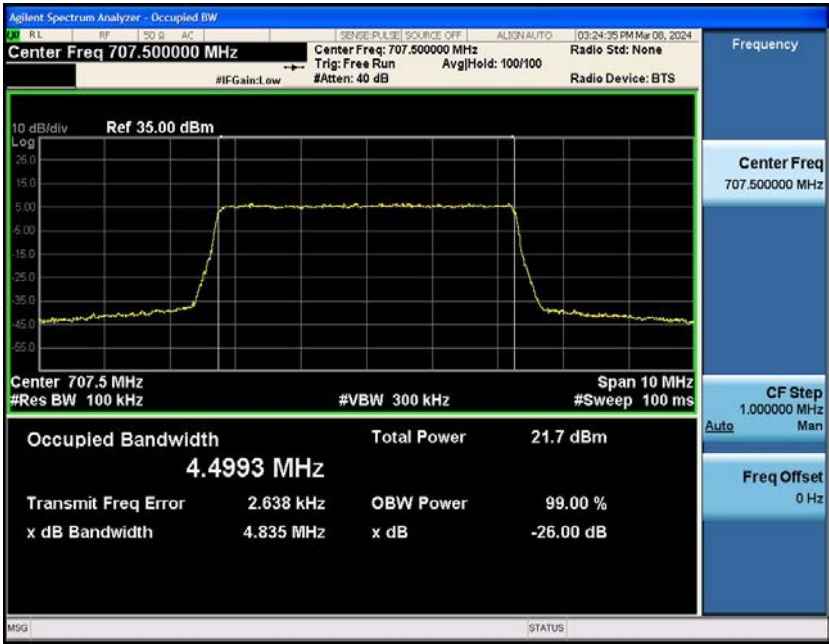
Band12-3MHz-16QAM-23165-15RB#0



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



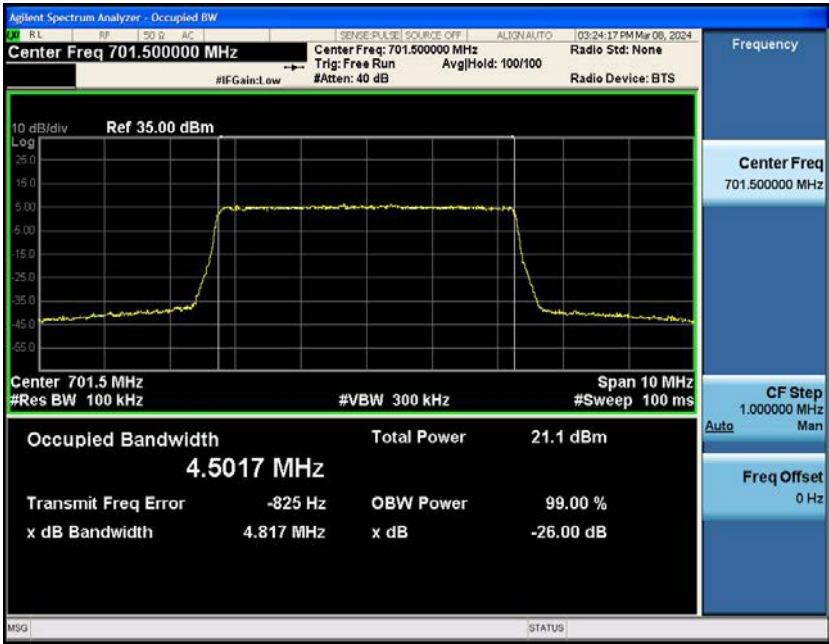
Band12-5MHz-QPSK-23095-25RB#0



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



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



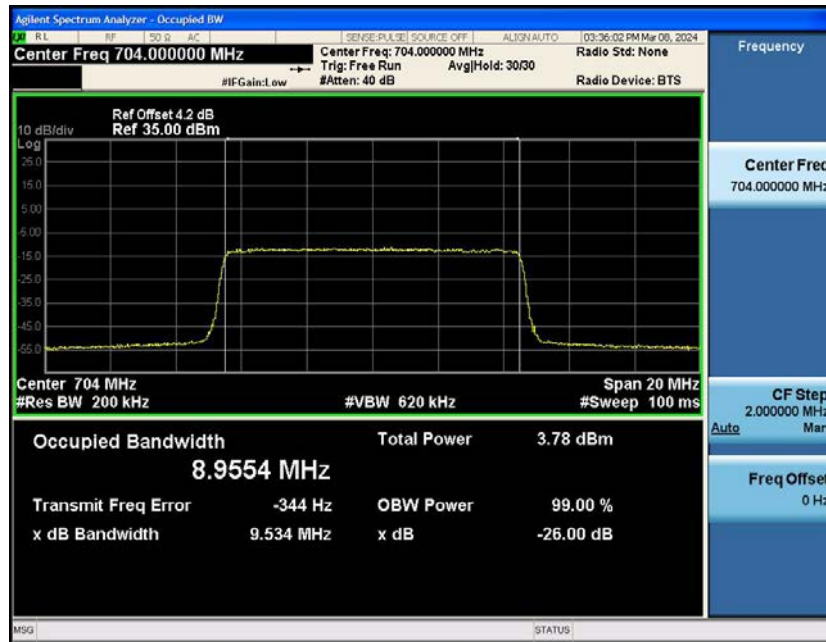
Band12-5MHz-16QAM-23095-25RB#0



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



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



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



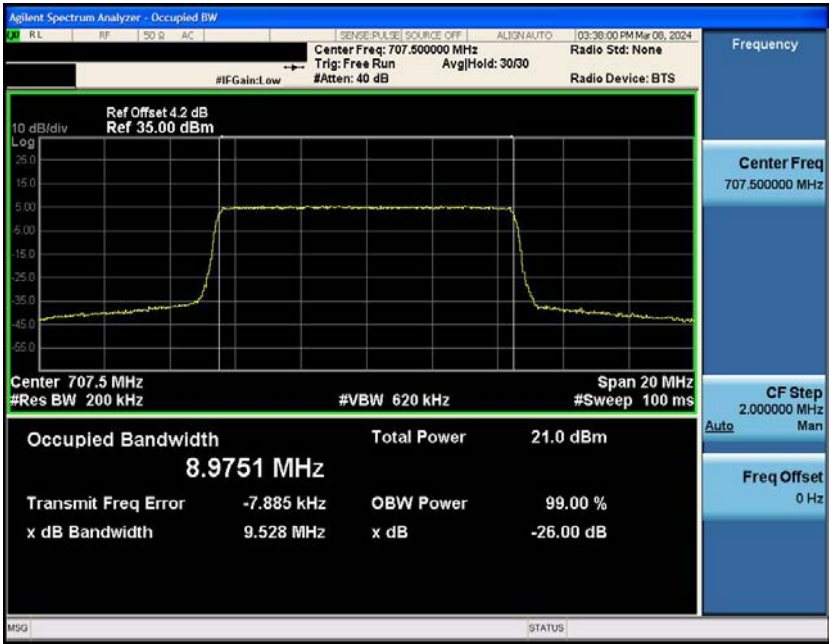
Band12-10MHz-QPSK-23130-50RB#0



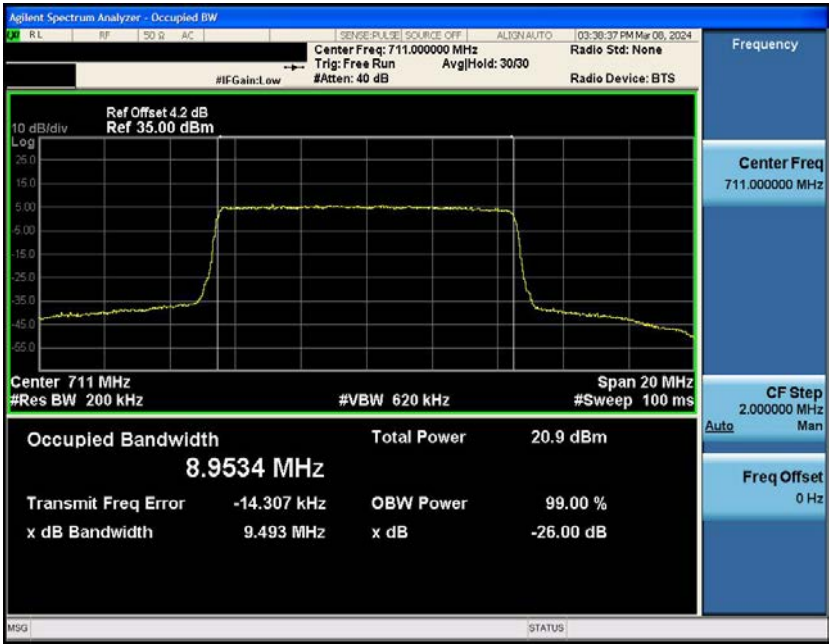
Band12-10MHz-16QAM-23060-50RB#0



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



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



5: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-36.44,-24.23	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-37.84,-42.17	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-35.06,-29.52	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-44.66,-38.47	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-24.98,-37.48	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-32.53,-38.54	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-37.42,-24.77	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-36.13,-43.31	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-36.57,-32.41	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-43.48,-37.59	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-25.57,-37.71	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-31.26,-39.50	PASS
Band12	3MHz	QPSK	23025	1RB#0	-32.37,-16.45	PASS
Band12	3MHz	QPSK	23025	1RB#14	-38.09,-41.72	PASS
Band12	3MHz	QPSK	23025	15RB#0	-37.97,-28.12	PASS
Band12	3MHz	QPSK	23165	1RB#0	-46.18,-40.45	PASS
Band12	3MHz	QPSK	23165	1RB#14	-20.04,-34.35	PASS
Band12	3MHz	QPSK	23165	15RB#0	-28.98,-39.73	PASS
Band12	3MHz	16QAM	23025	1RB#0	-35.21,-17.16	PASS
Band12	3MHz	16QAM	23025	1RB#14	-38.62,-42.53	PASS
Band12	3MHz	16QAM	23025	15RB#0	-38.98,-29.86	PASS
Band12	3MHz	16QAM	23165	1RB#0	-45.67,-40.84	PASS
Band12	3MHz	16QAM	23165	1RB#14	-17.86,-35.33	PASS
Band12	3MHz	16QAM	23165	15RB#0	-30.36,-39.75	PASS
Band12	5MHz	QPSK	23035	1RB#0	-14.73	PASS
Band12	5MHz	QPSK	23035	1RB#24	-45.21	PASS
Band12	5MHz	QPSK	23035	25RB#0	-26.26	PASS
Band12	5MHz	QPSK	23155	1RB#0	-45.94	PASS
Band12	5MHz	QPSK	23155	1RB#24	-15.18	PASS
Band12	5MHz	QPSK	23155	25RB#0	-29.07	PASS
Band12	5MHz	16QAM	23035	1RB#0	-12.20	FAIL
Band12	5MHz	16QAM	23035	1RB#24	-45.42	PASS
Band12	5MHz	16QAM	23035	25RB#0	-28.74	PASS
Band12	5MHz	16QAM	23155	1RB#0	-46.38	PASS
Band12	5MHz	16QAM	23155	1RB#24	-45.38	PASS
Band12	5MHz	16QAM	23155	25RB#0	-28.19	PASS

Band12	10MHz	QPSK	23060	1RB#0	-24.74,-18.35	PASS
Band12	10MHz	QPSK	23060	1RB#49	-39.50,-40.96	PASS
Band12	10MHz	QPSK	23060	50RB#0	-34.85,-31.66	PASS
Band12	10MHz	QPSK	23130	1RB#0	-44.86,-43.08	PASS
Band12	10MHz	QPSK	23130	1RB#49	-18.41,-24.31	PASS
Band12	10MHz	QPSK	23130	50RB#0	-34.36,-37.82	PASS
Band12	10MHz	16QAM	23060	1RB#0	-52.59,-48.93	PASS
Band12	10MHz	16QAM	23060	1RB#49	-39.68,-41.61	PASS
Band12	10MHz	16QAM	23060	50RB#0	-32.56,-29.63	PASS
Band12	10MHz	16QAM	23130	1RB#0	-42.96,-42.88	PASS
Band12	10MHz	16QAM	23130	1RB#49	-18.69,-24.50	PASS
Band12	10MHz	16QAM	23130	50RB#0	-33.07,-35.63	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



Band12-1.4MHz-16QAM-23017-1RB#5



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



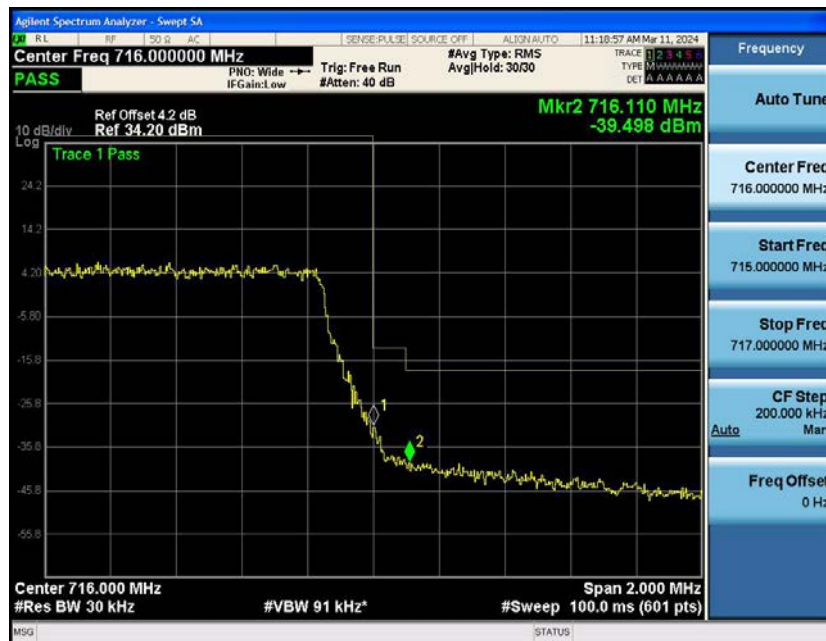
Band12-1.4MHz-16QAM-23173-1RB#0



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



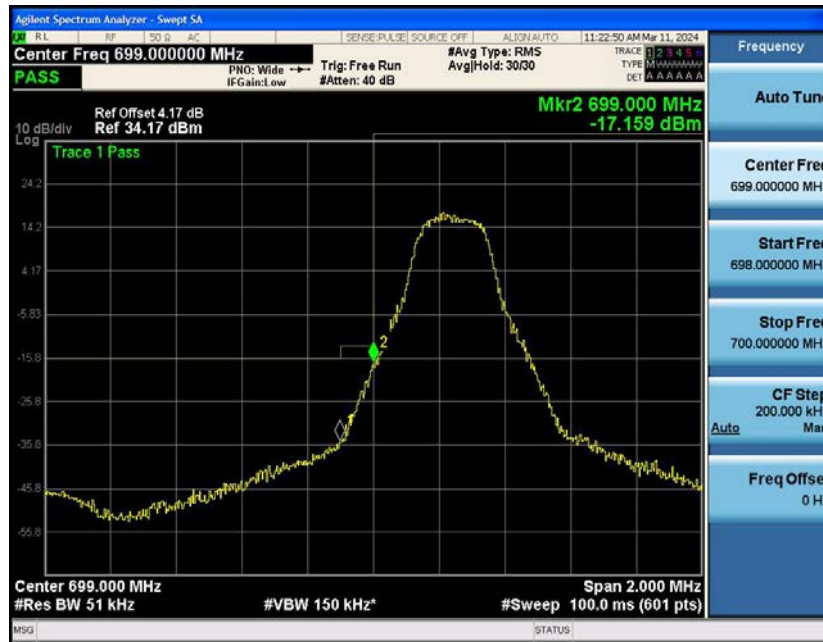
Band12-3MHz-QPSK-23165-1RB#14



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



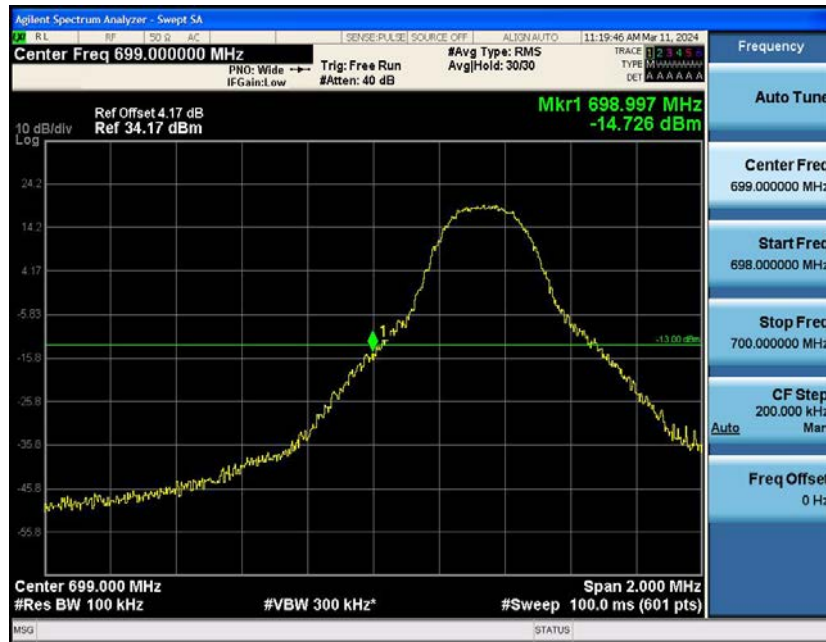
Band12-3MHz-16QAM-23165-1RB#14



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



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



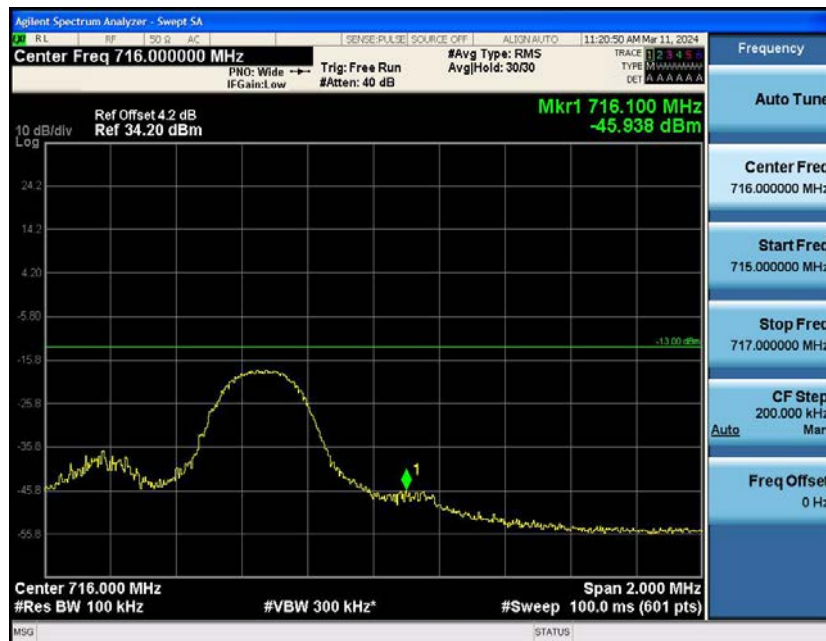
Band12-5MHz-QPSK-23035-1RB#24



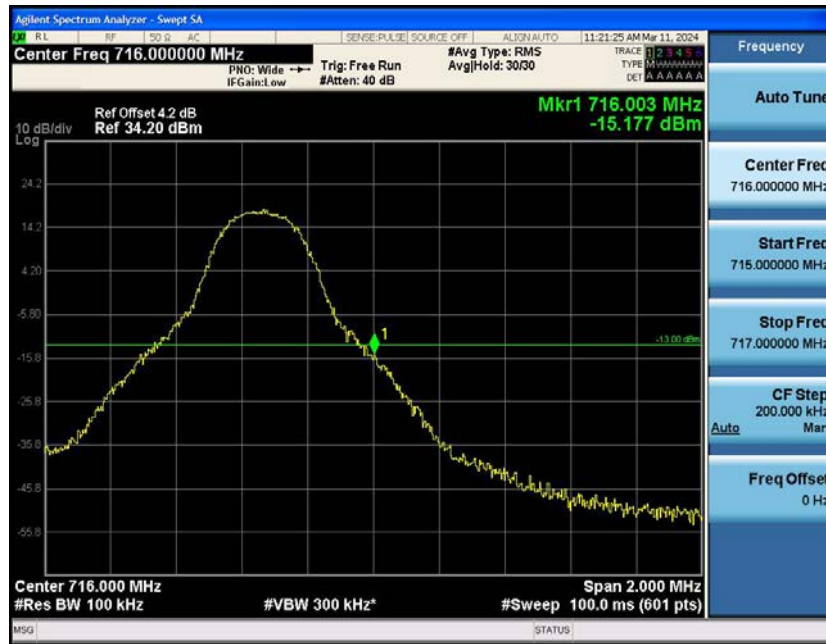
Band12-5MHz-QPSK-23035-25RB#0



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



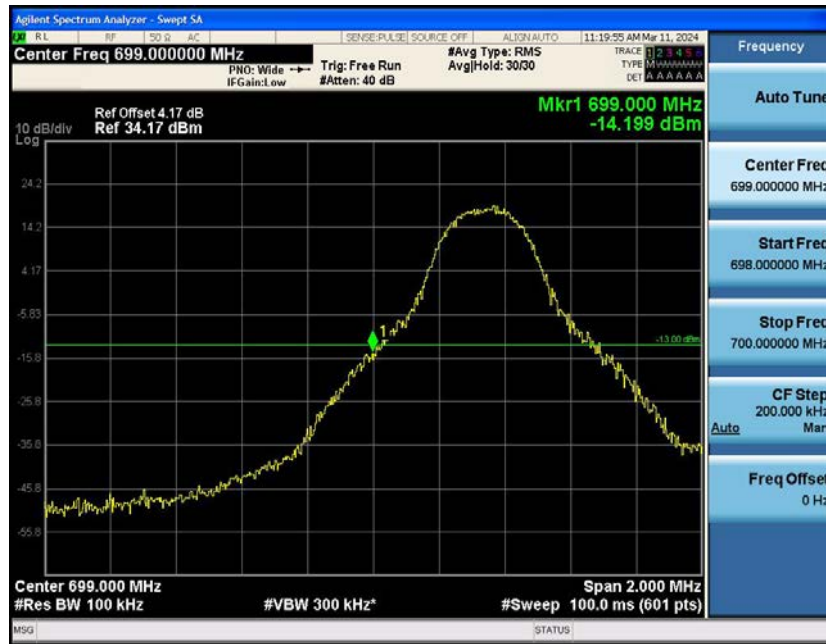
Band12-5MHz-QPSK-23155-1RB#24



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



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



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



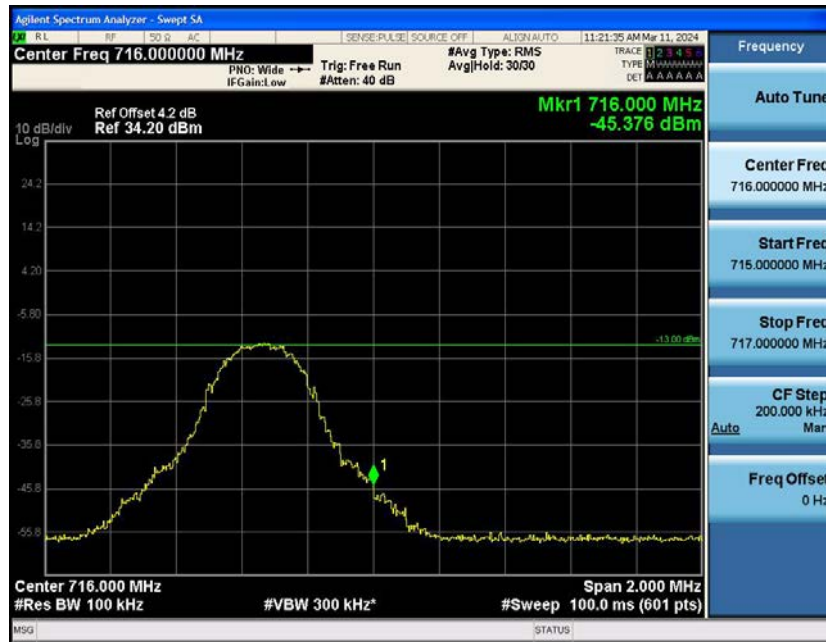
Band12-5MHz-16QAM-23035-25RB#0



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



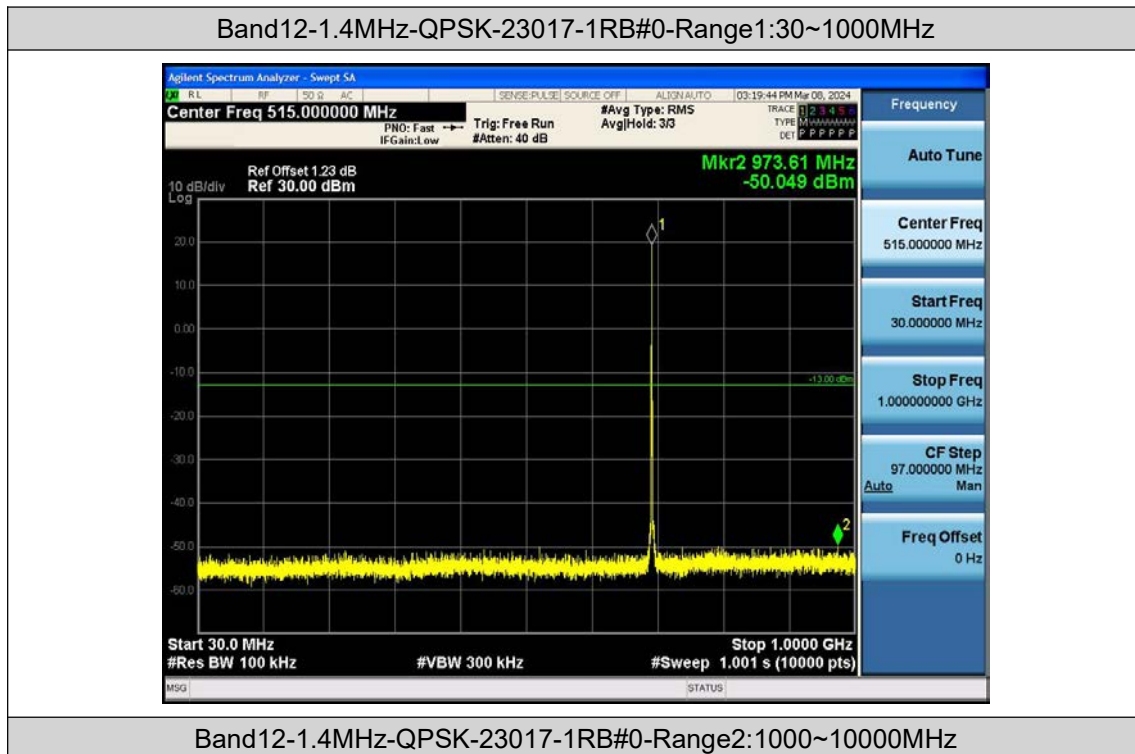
6: Conducted Spurious Emission

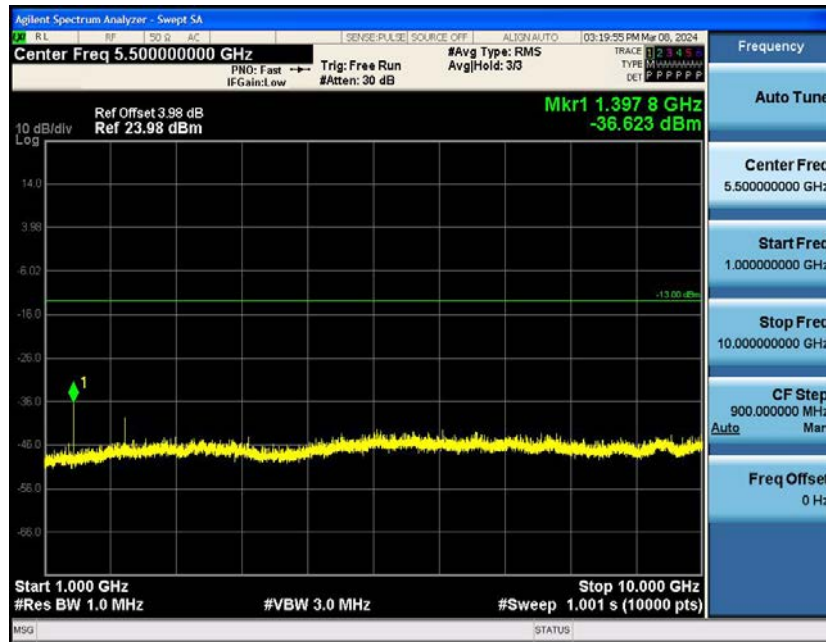
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-50.05	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-36.62	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-49.16	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-40.18	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-49.25	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-33.57	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-49.44	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-37.99	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-54.49	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-39.92	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-49.4	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-33.8	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-49.81	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~10000MHz	-37.04	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-49.57	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-38.9	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-49.27	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~10000MHz	-35.12	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-49.87	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~10000MHz	-36.25	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-49.55	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-42.92	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-49.45	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~10000MHz	-33.77	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-49.75	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~10000MHz	-35.22	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-49.79	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-37.75	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-49.74	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~10000MHz	-36.3	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-49.82	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~10000MHz	-36.62	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-49.85	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-37.93	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-49.19	PASS

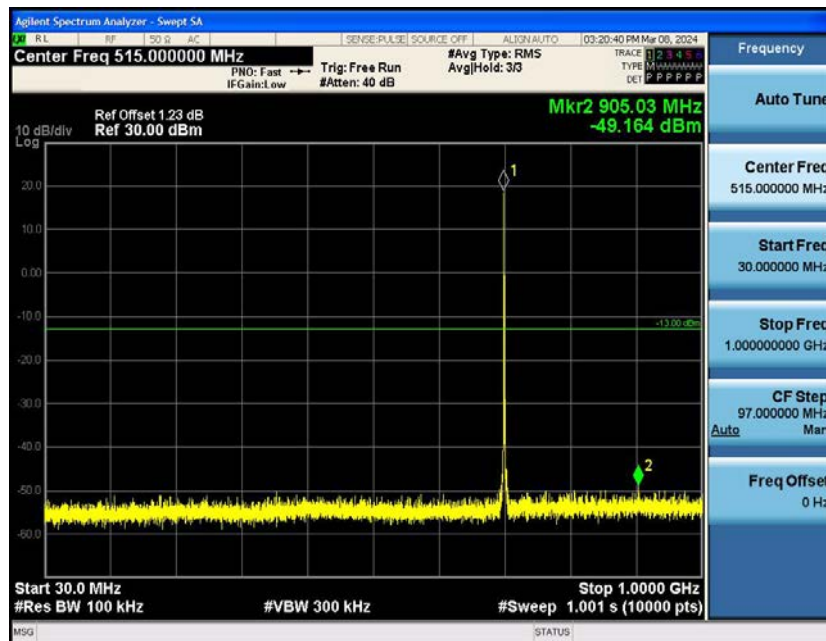
Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~10000MHz	-36.89	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-50.25	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-41.72	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-48.96	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-37.79	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-49.35	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-40.03	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-49.71	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-35.07	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-49.16	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-35.7	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-49.88	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-40.72	PASS

Test Graphs





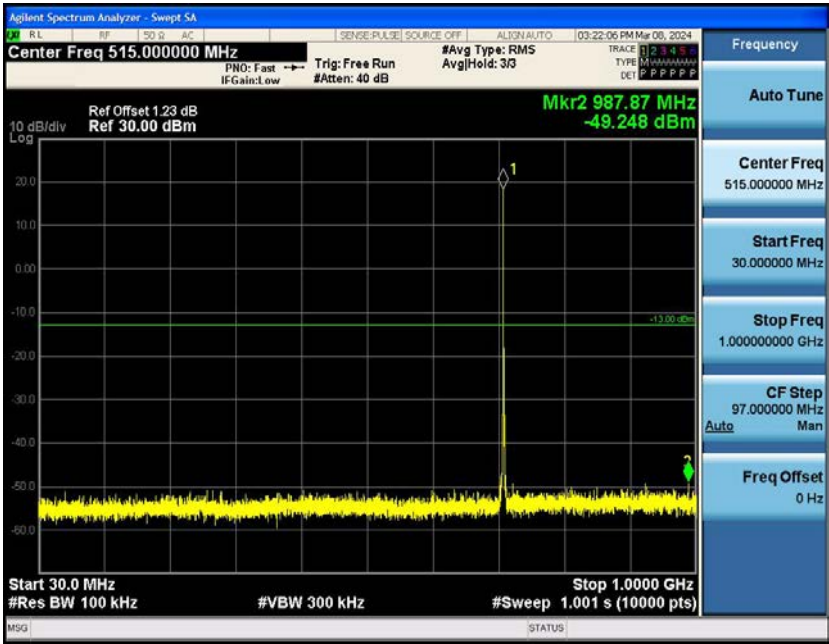
Band12-1.4MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



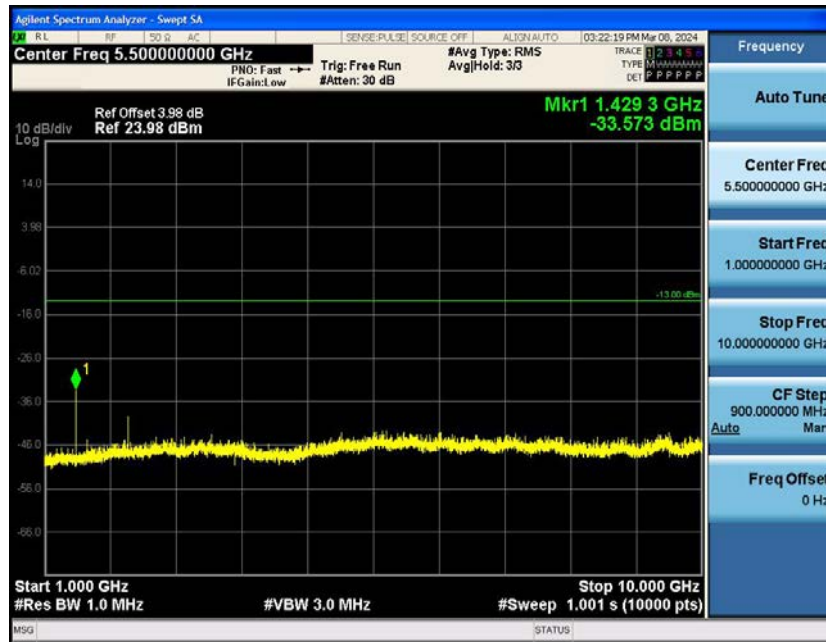
Band12-1.4MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



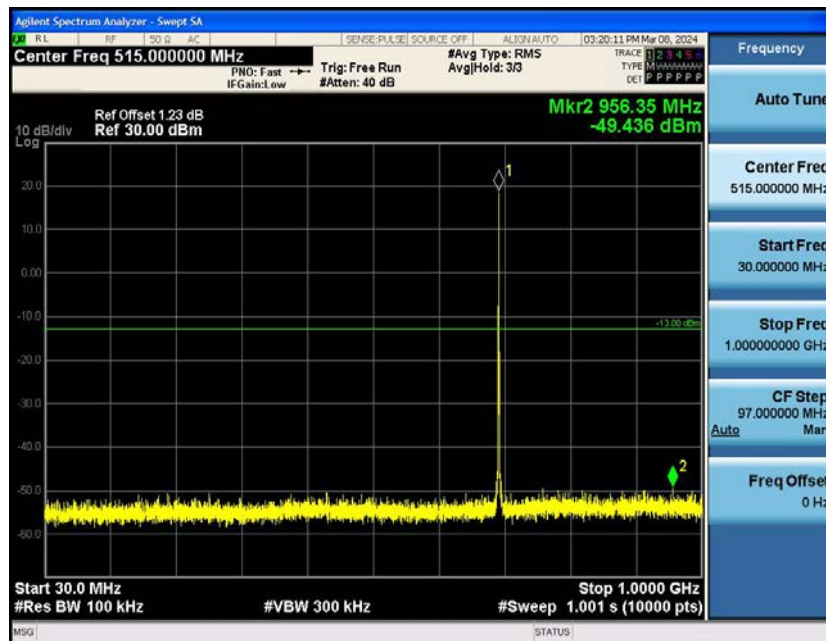
Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz



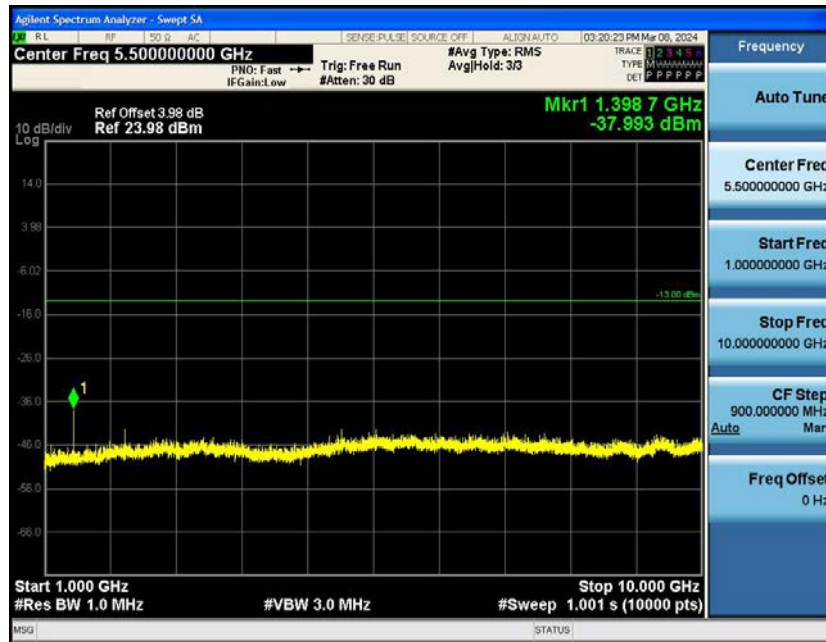
Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~10000MHz



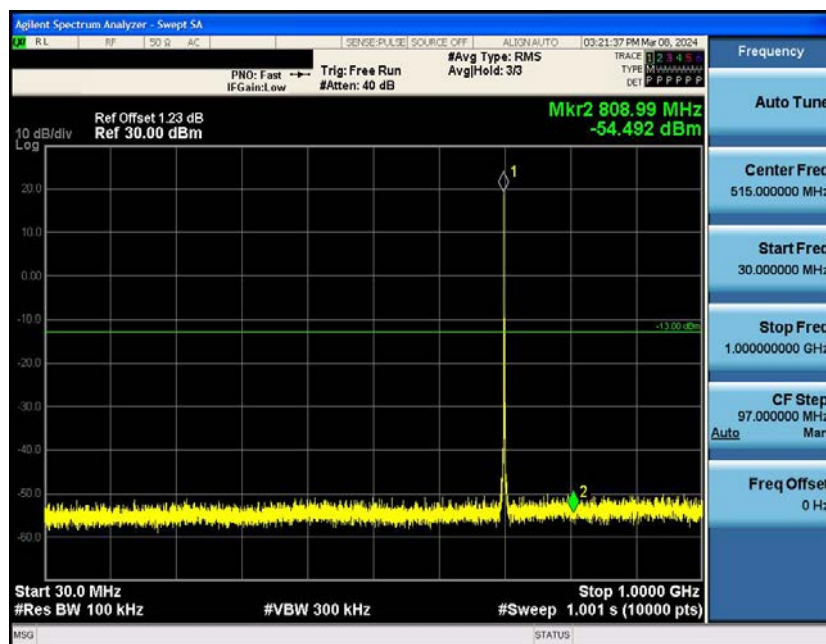
Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz



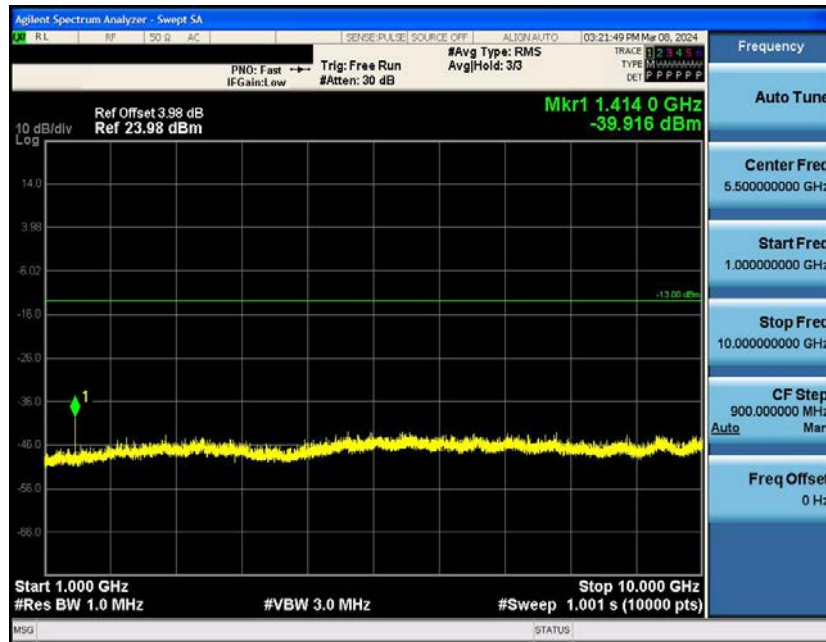
Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~10000MHz



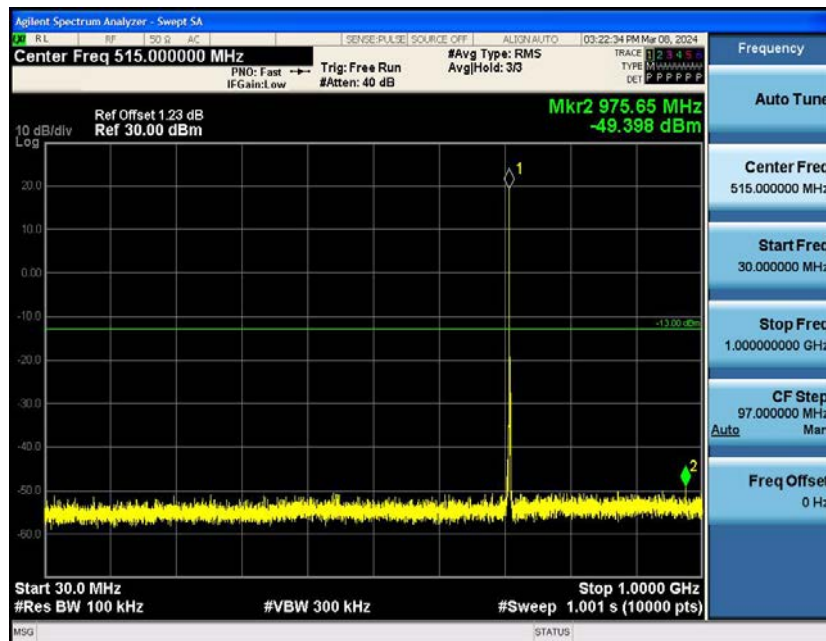
Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



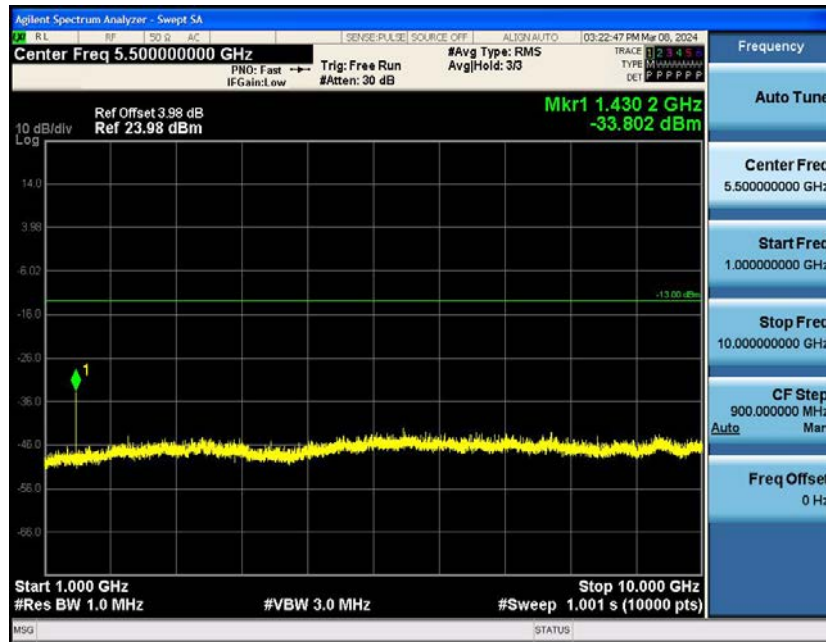
Band12-1.4MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



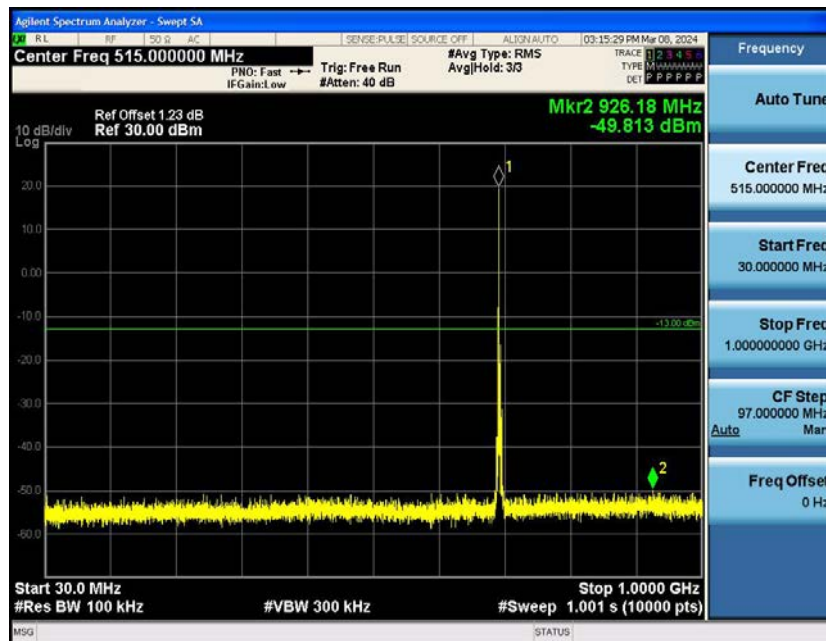
Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~1000MHz



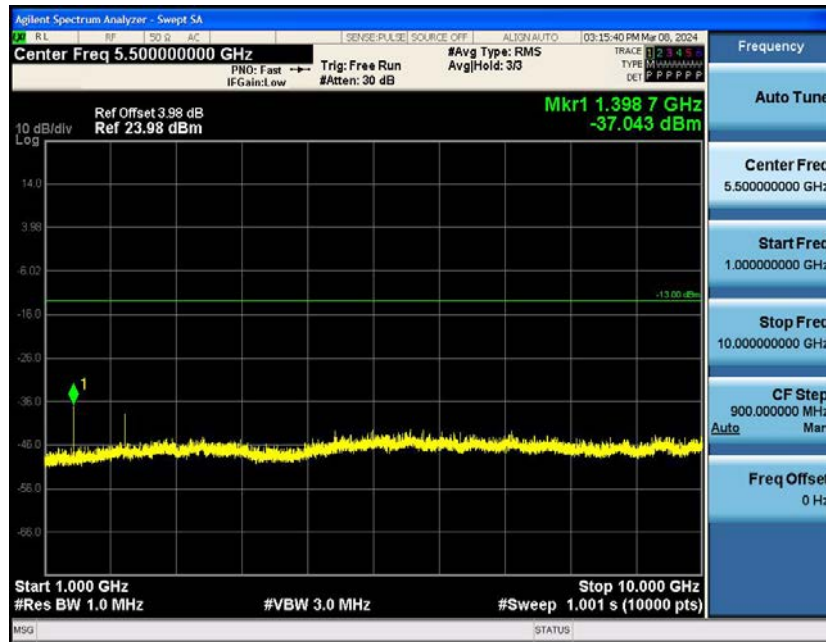
Band12-1.4MHz-16QAM-23173-1RB#0-Range2:1000~10000MHz



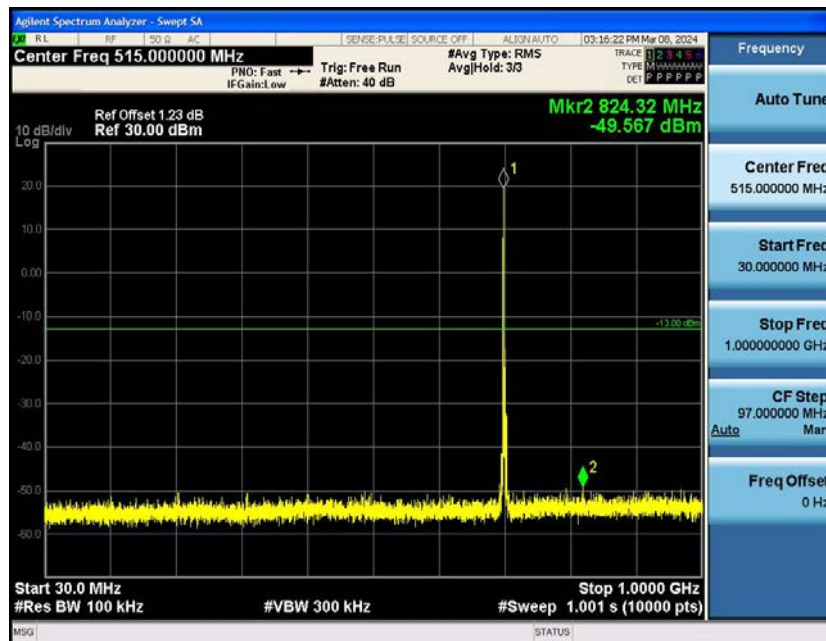
Band12-3MHz-QPSK-23025-1RB#0-Range1:30~1000MHz



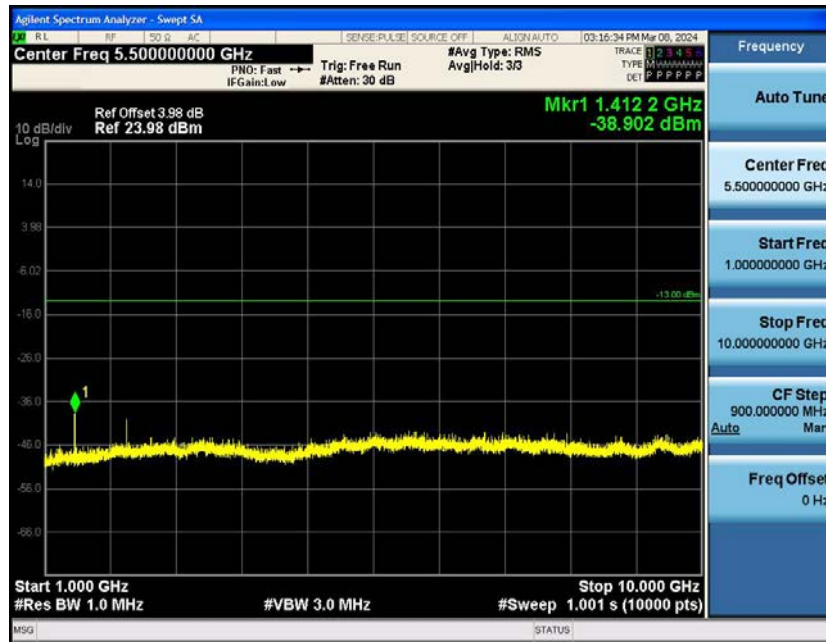
Band12-3MHz-QPSK-23025-1RB#0-Range2:1000~10000MHz



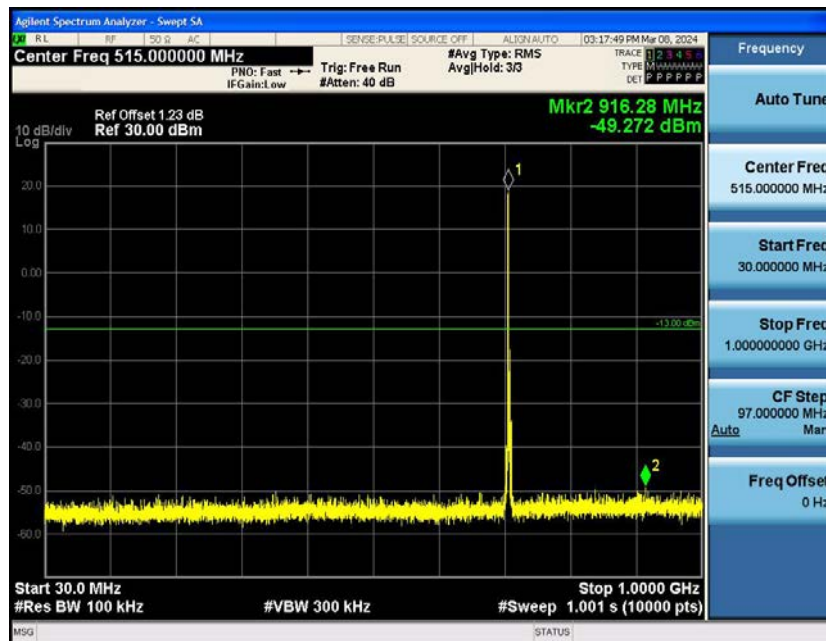
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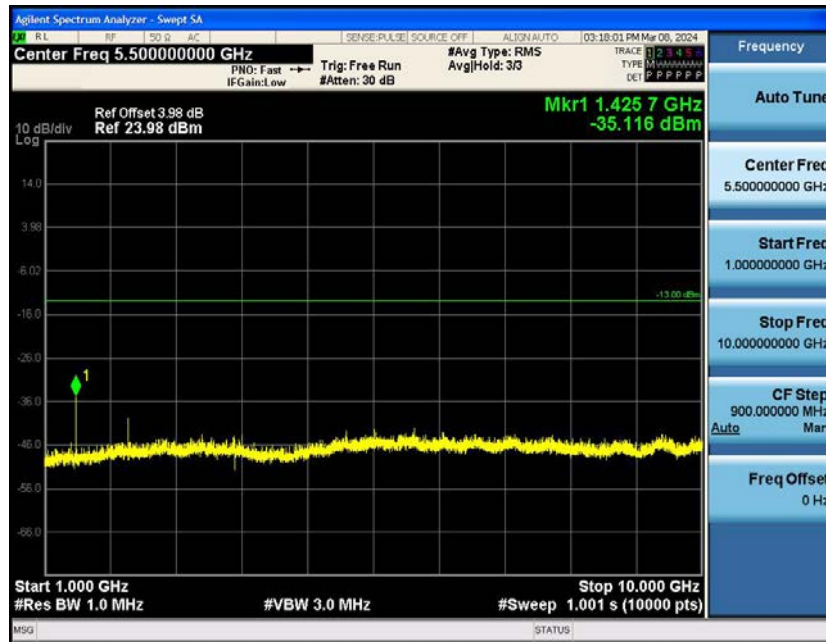
Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



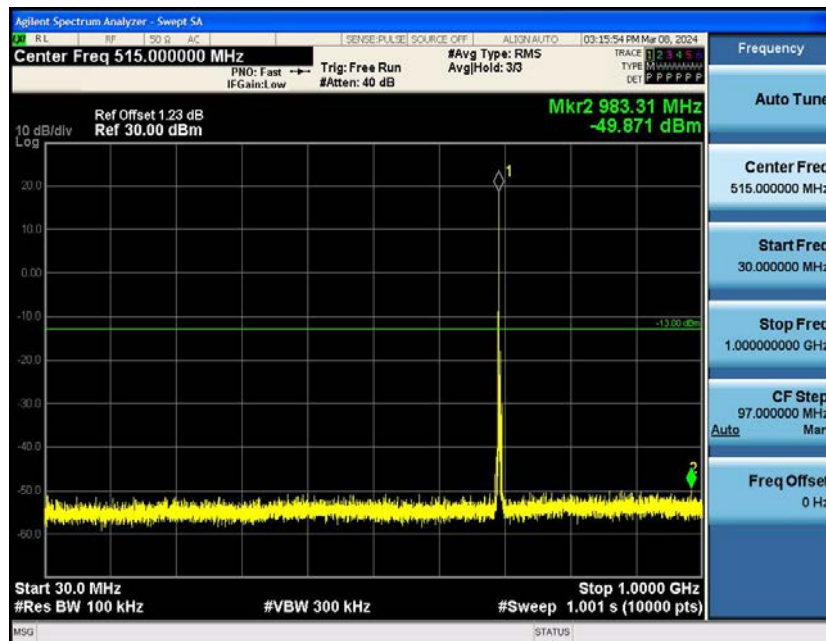
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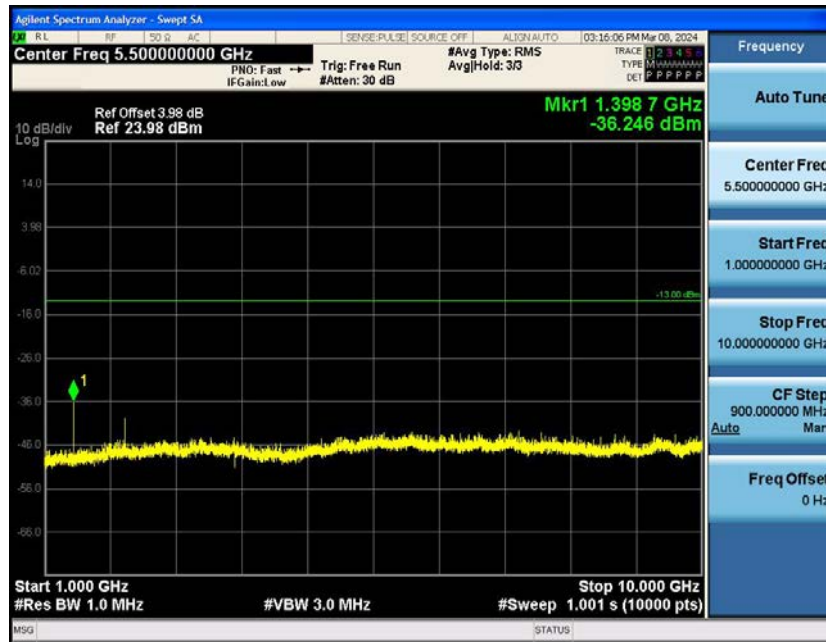
Band12-3MHz-QPSK-23165-1RB#0-Range2:1000~10000MHz



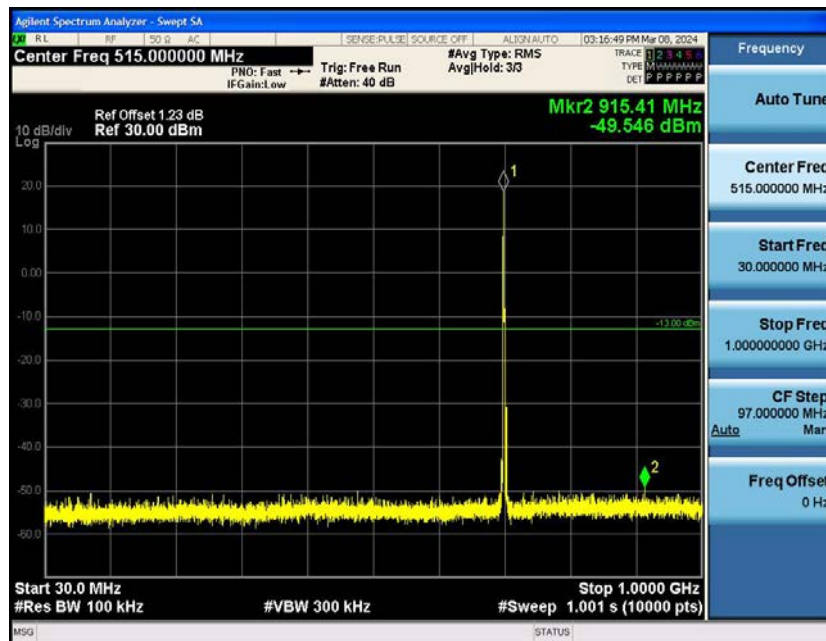
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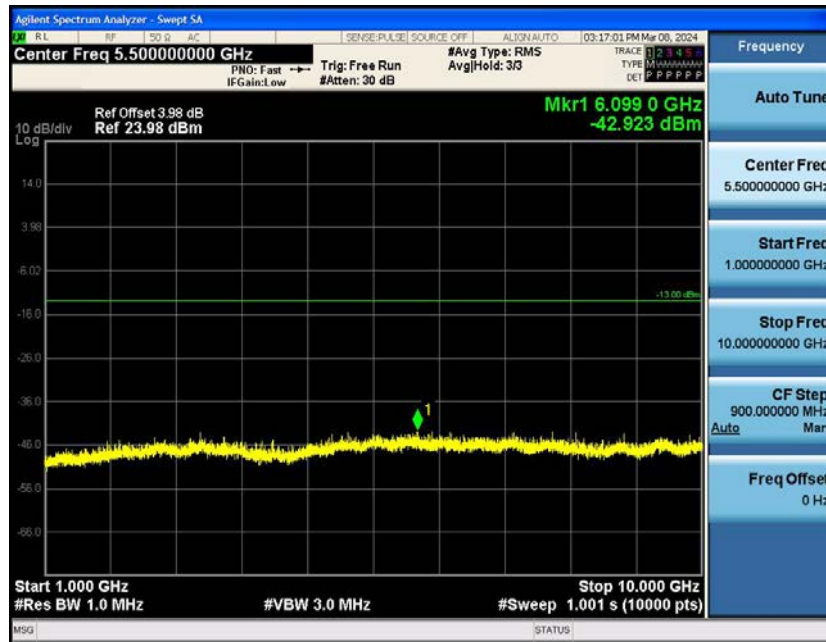
Band12-3MHz-16QAM-23025-1RB#0-Range2:1000~10000MHz



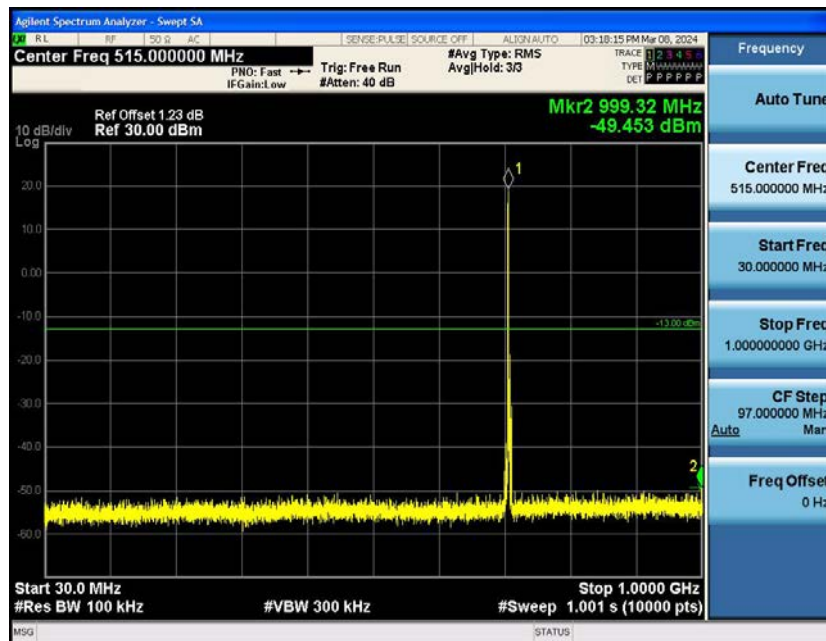
Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



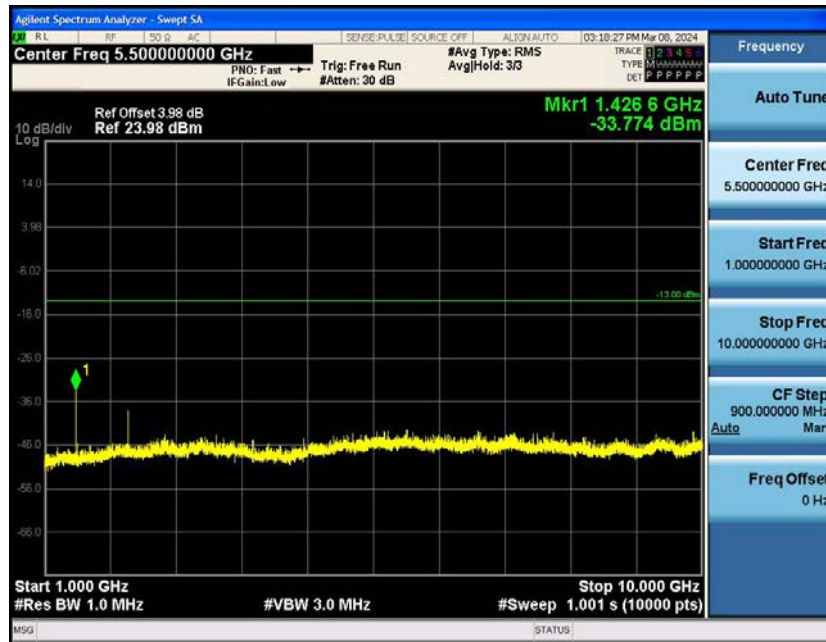
Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



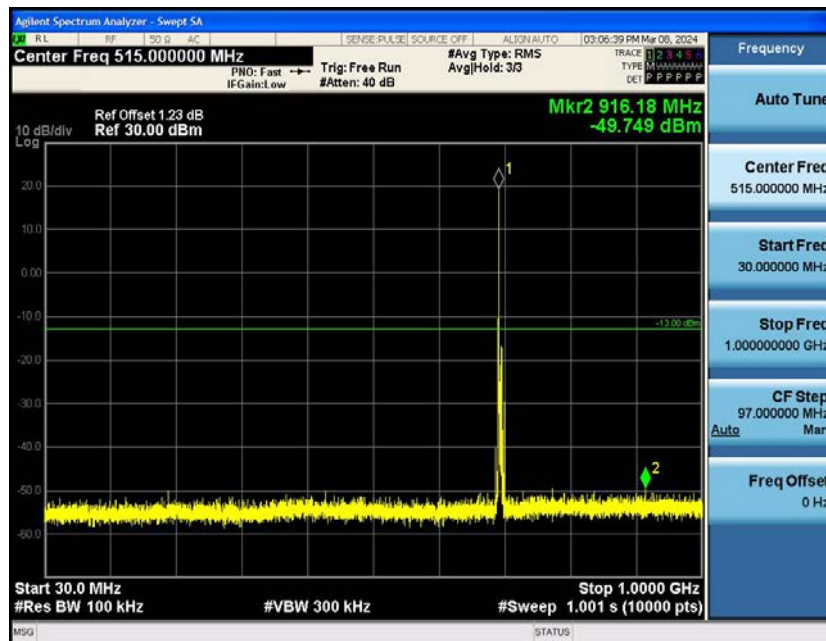
Band12-3MHz-16QAM-23165-1RB#0-Range1:30~1000MHz



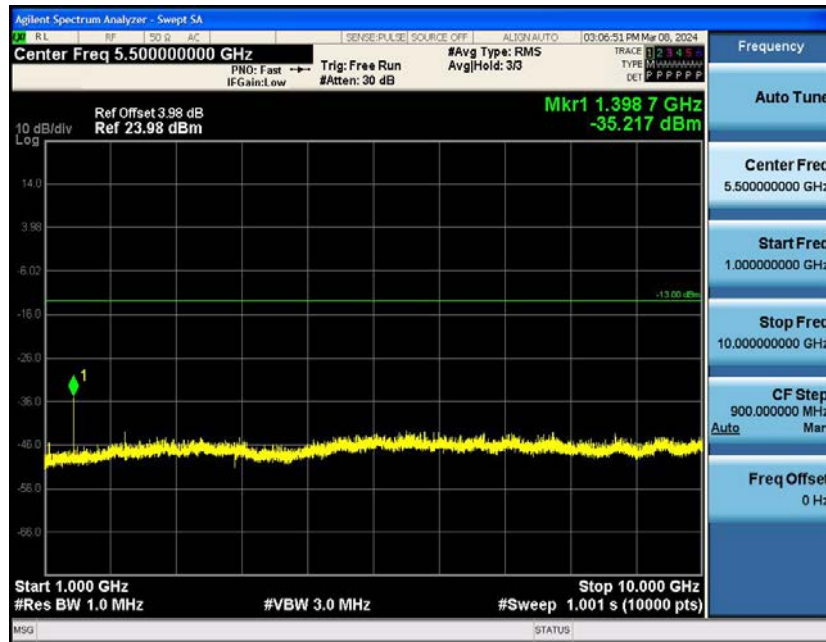
Band12-3MHz-16QAM-23165-1RB#0-Range2:1000~10000MHz



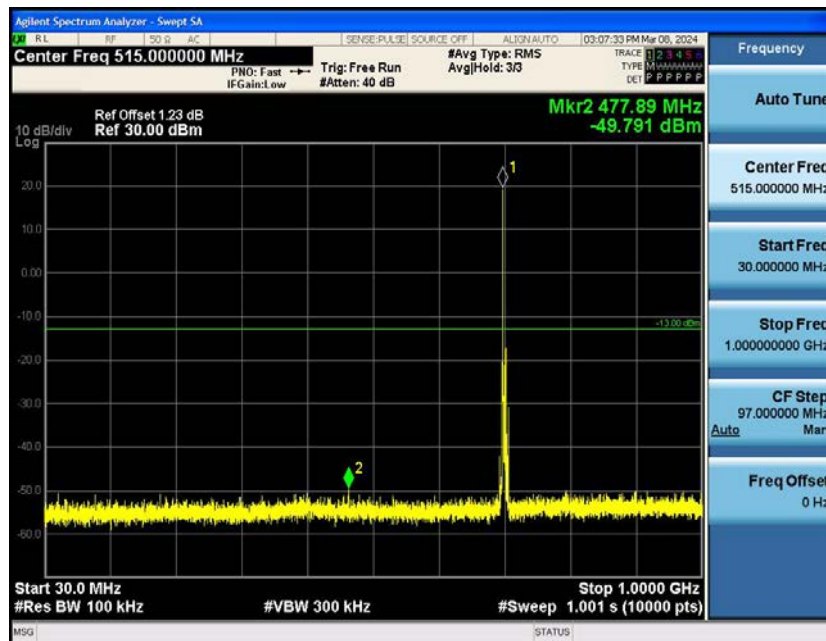
Band12-5MHz-QPSK-23035-1RB#0-Range1:30~1000MHz



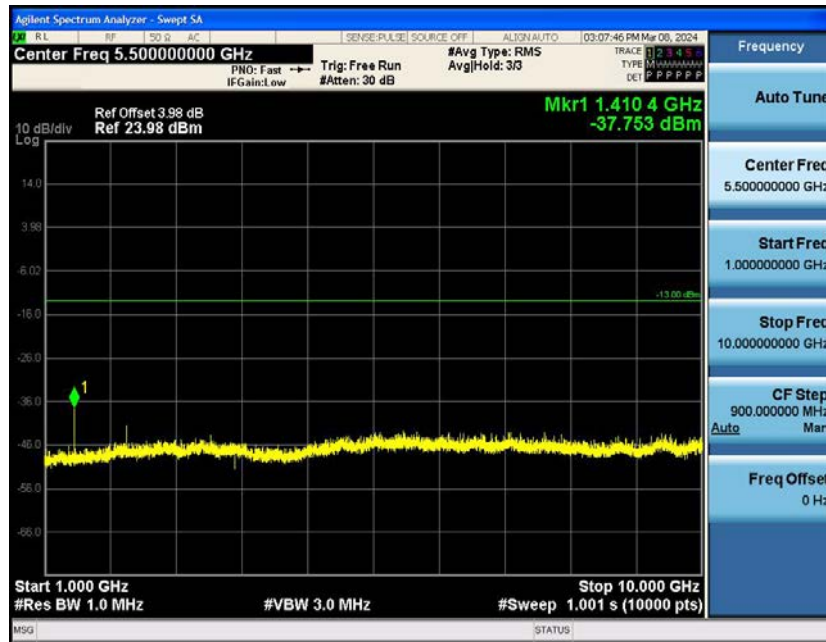
Band12-5MHz-QPSK-23035-1RB#0-Range2:1000~10000MHz



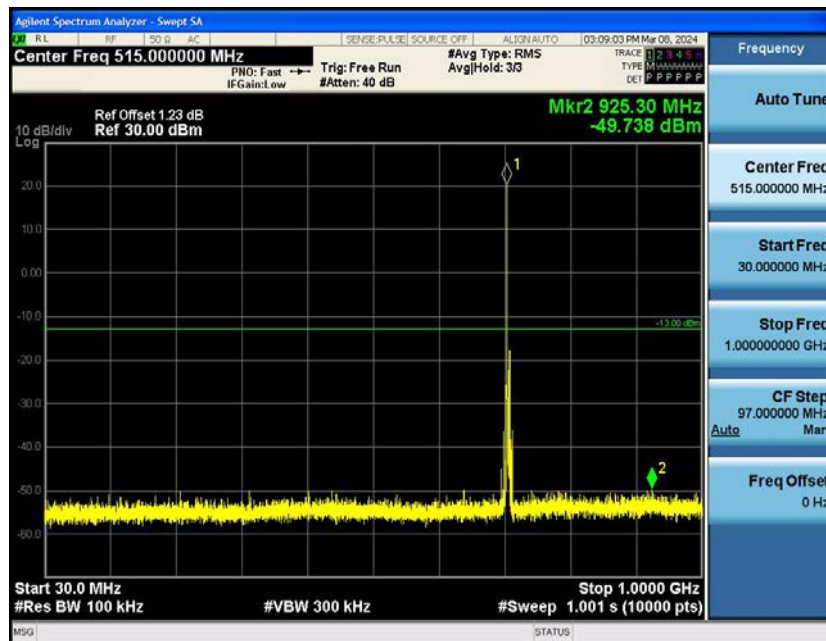
Band12-5MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



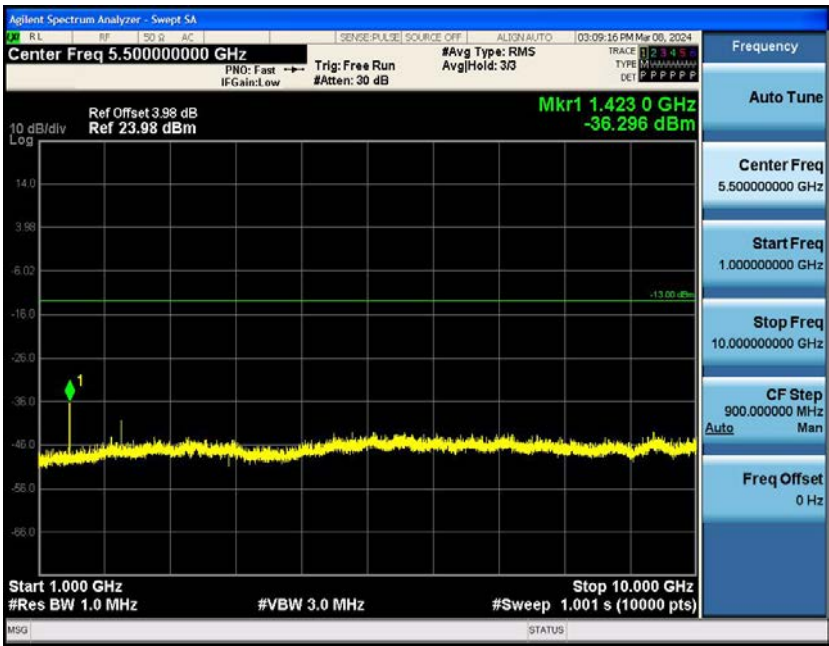
Band12-5MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



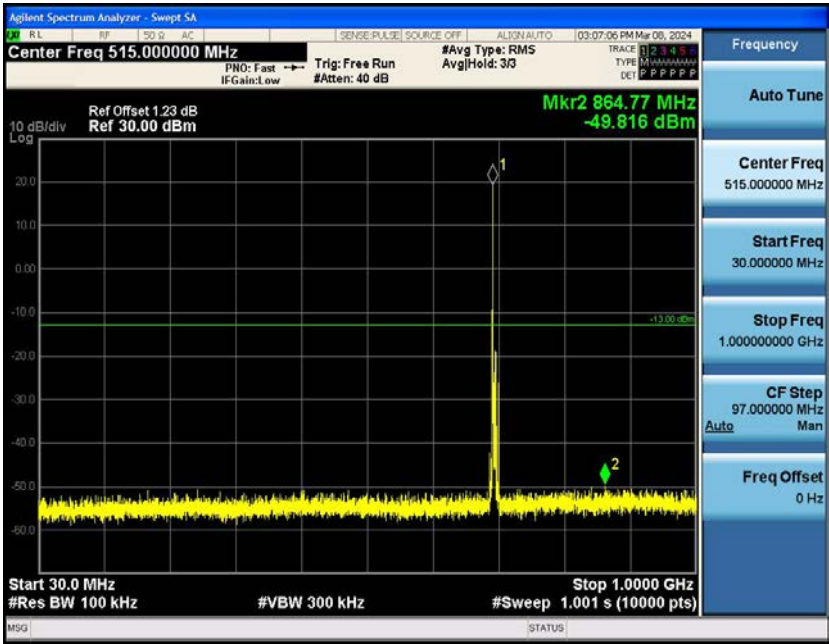
Band12-5MHz-QPSK-23155-1RB#0-Range1:30~1000MHz



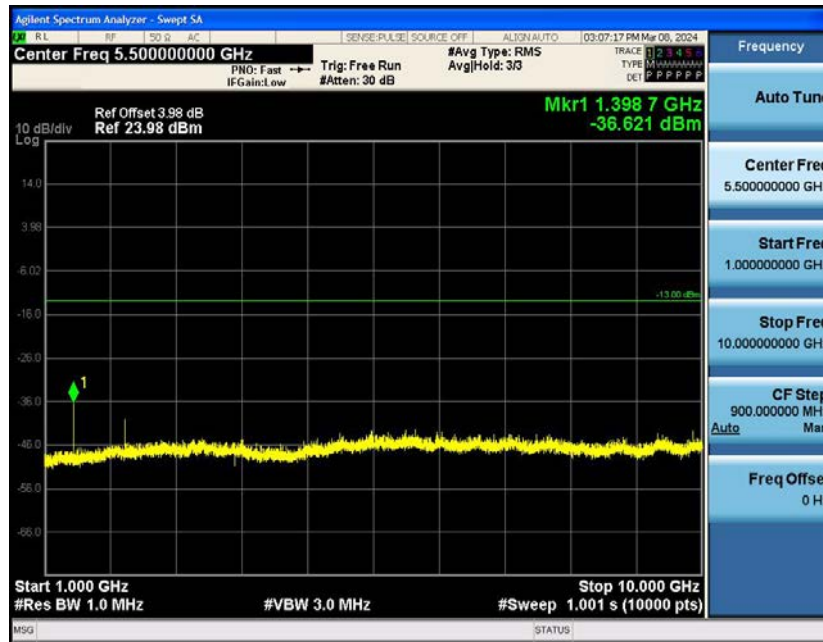
Band12-5MHz-QPSK-23155-1RB#0-Range2:1000~10000MHz



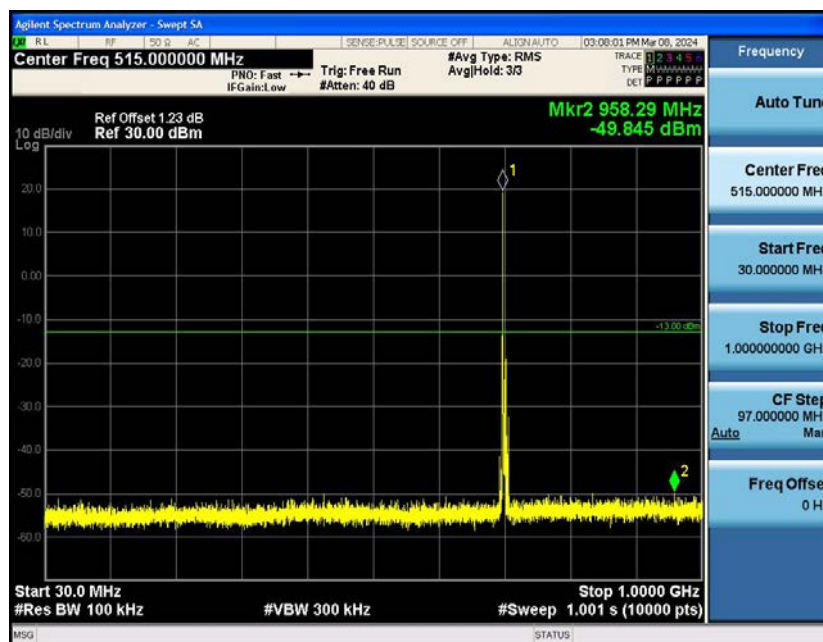
Band12-5MHz-16QAM-23035-1RB#0-Range1:30~1000MHz



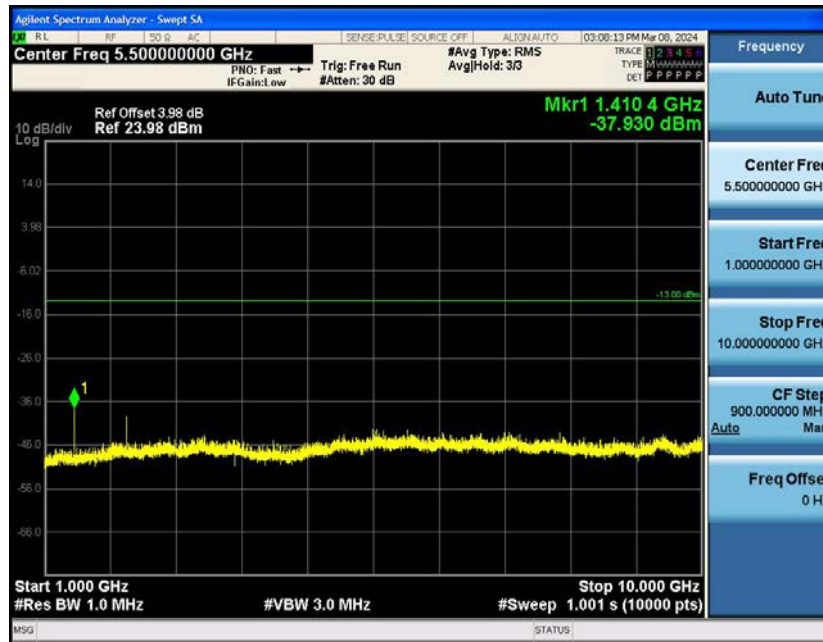
Band12-5MHz-16QAM-23035-1RB#0-Range2:1000~10000MHz



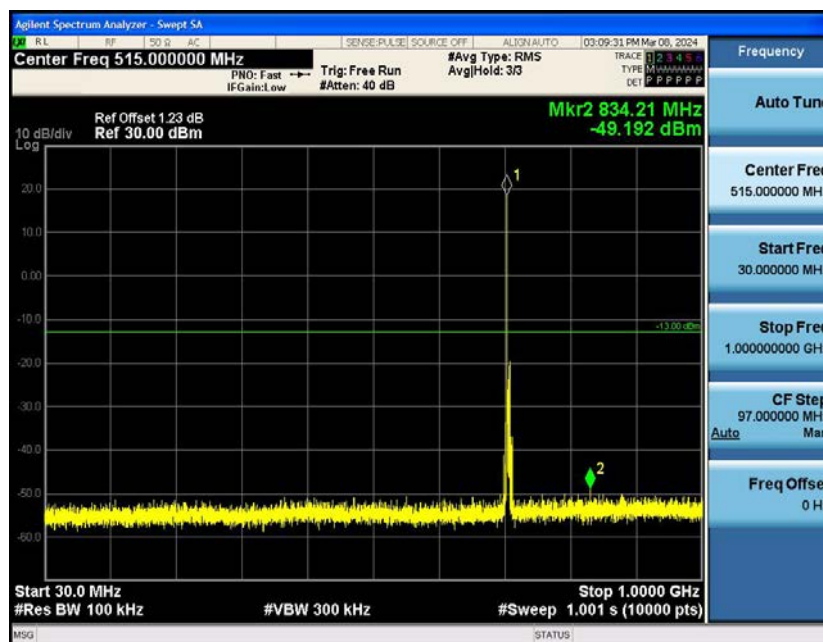
Band12-5MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



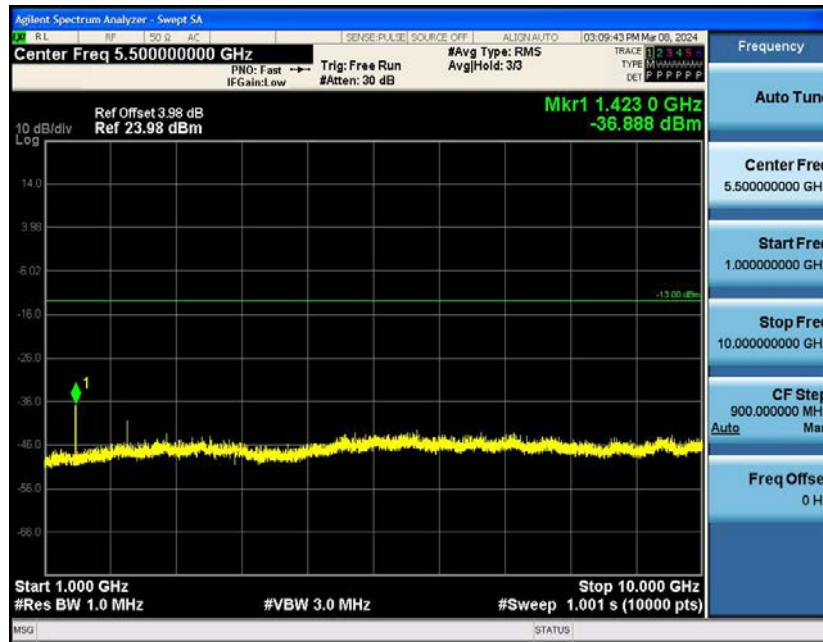
Band12-5MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



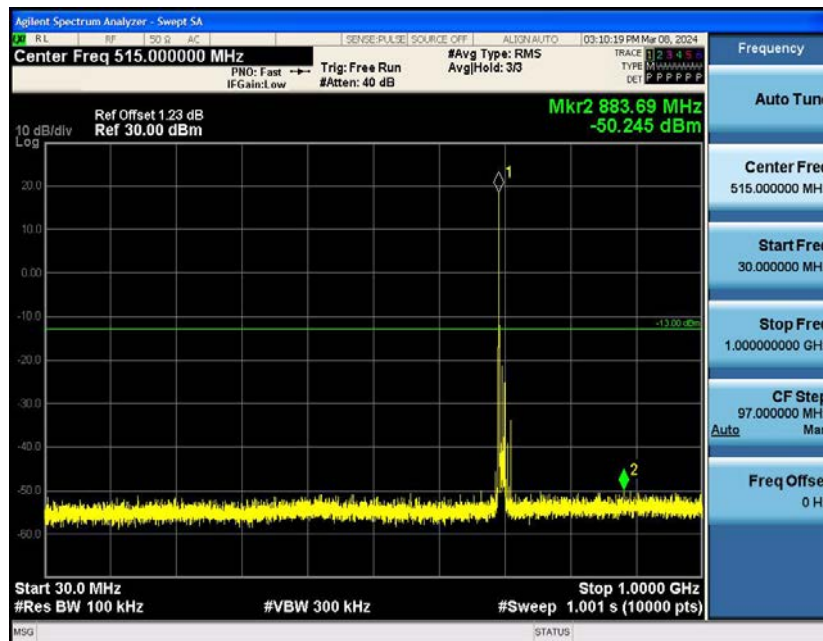
Band12-5MHz-16QAM-23155-1RB#0-Range1:30~1000MHz



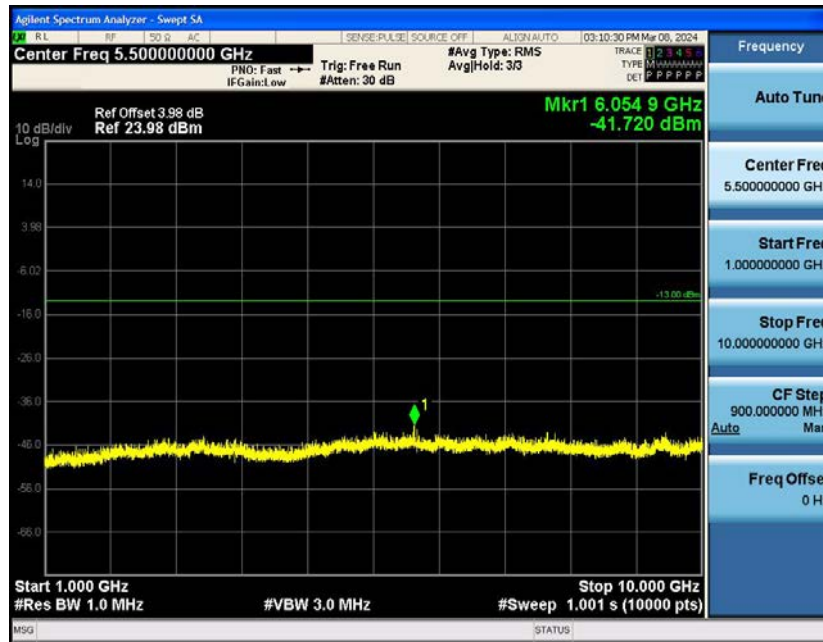
Band12-5MHz-16QAM-23155-1RB#0-Range2:1000~10000MHz



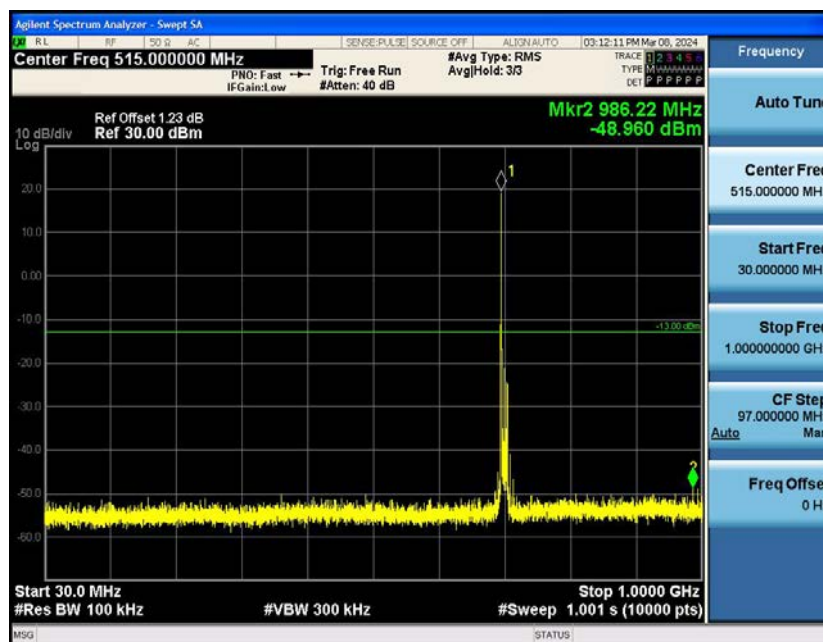
Band12-10MHz-QPSK-23060-1RB#0-Range1:30~1000MHz



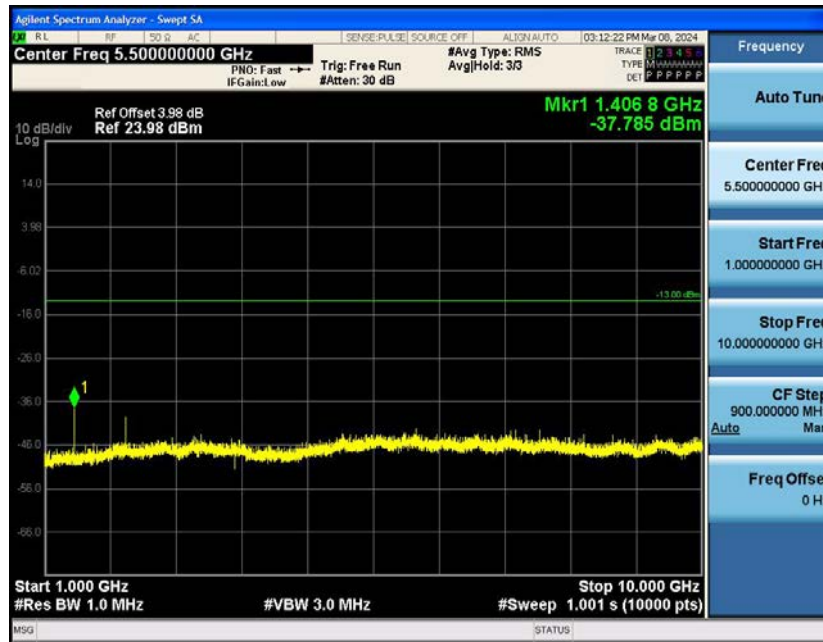
Band12-10MHz-QPSK-23060-1RB#0-Range2:1000~10000MHz



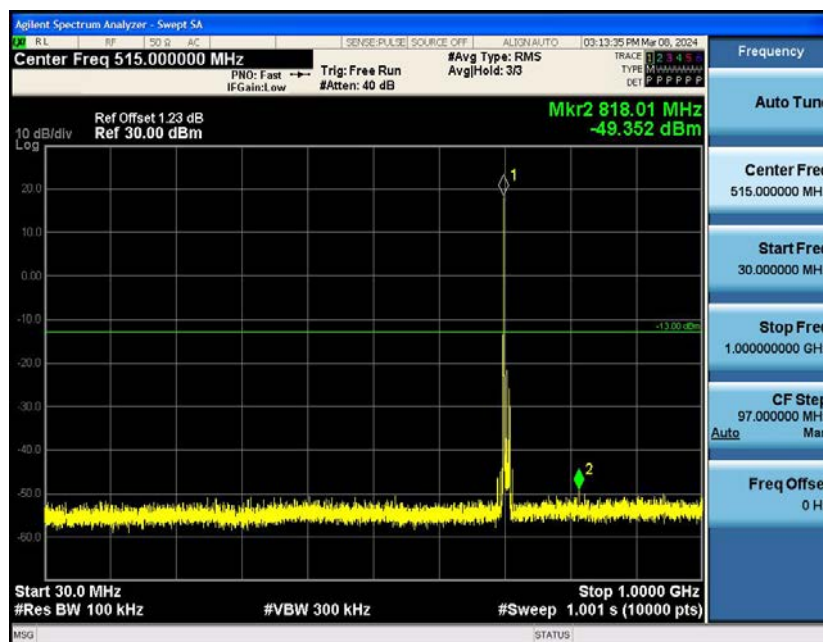
Band12-10MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



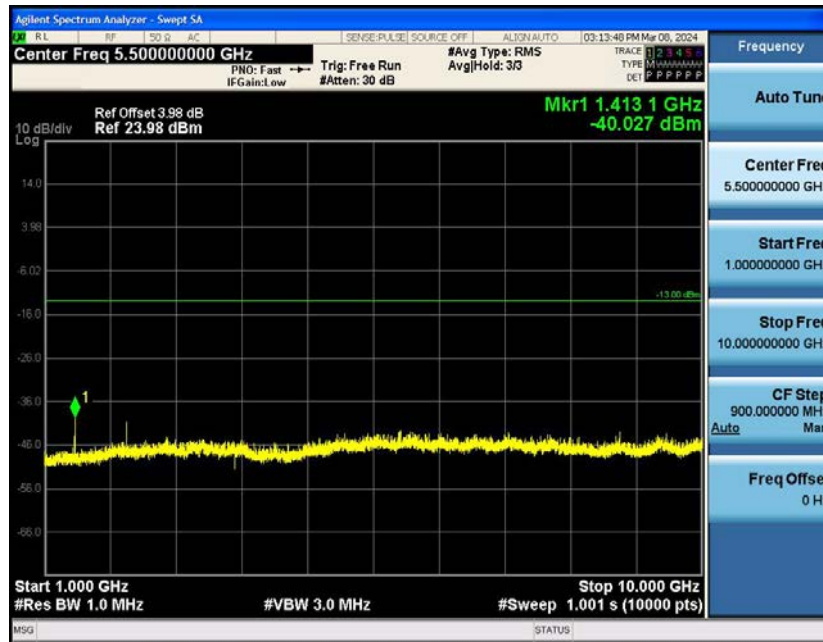
Band12-10MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



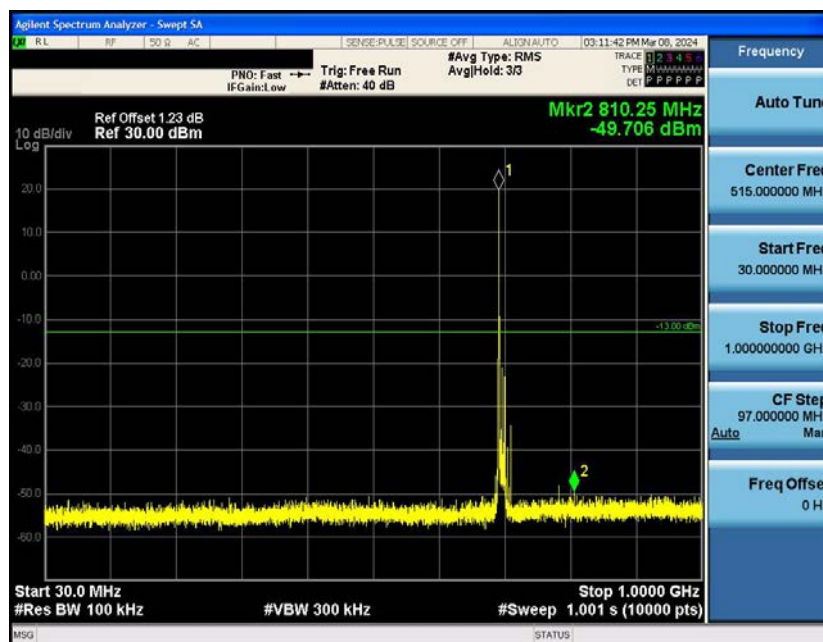
Band12-10MHz-QPSK-23130-1RB#0-Range1:30~1000MHz



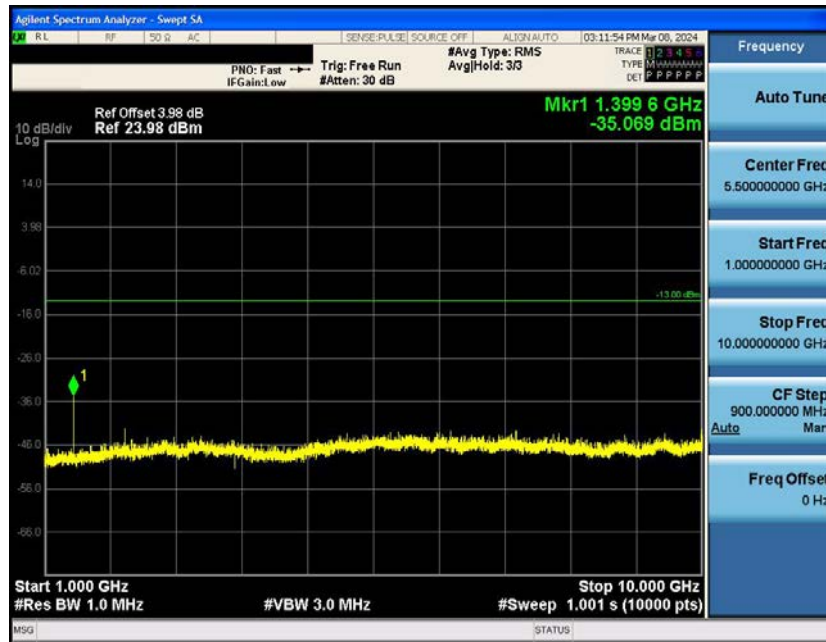
Band12-10MHz-QPSK-23130-1RB#0-Range2:1000~10000MHz



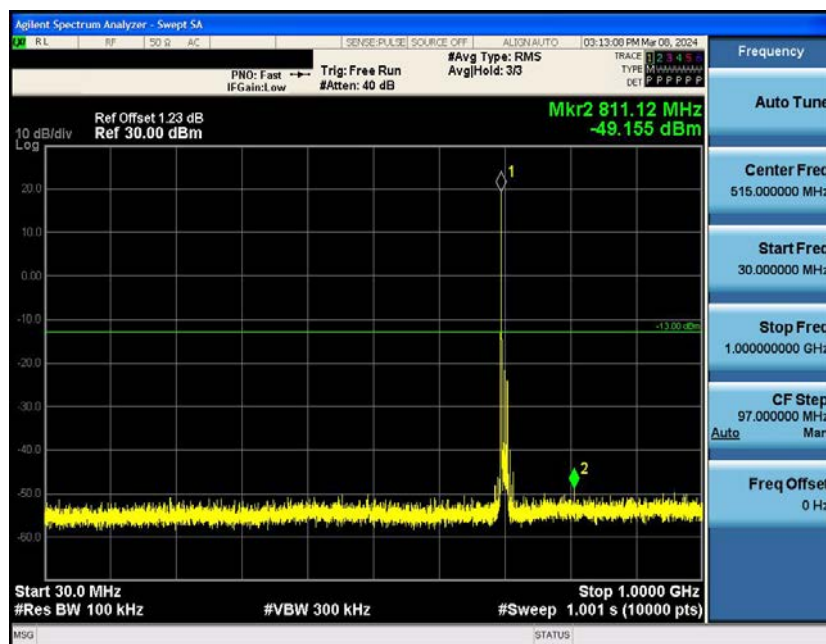
Band12-10MHz-16QAM-23060-1RB#0-Range1:30~1000MHz



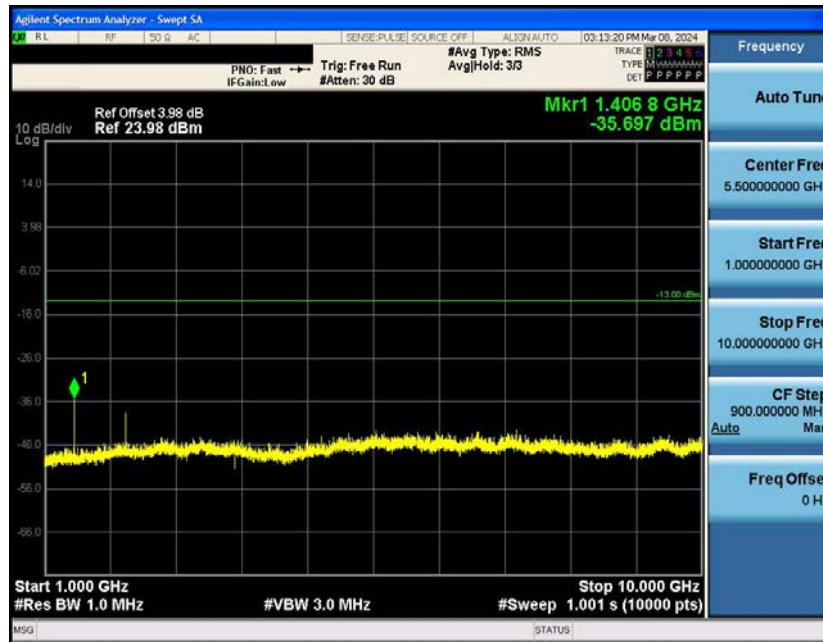
Band12-10MHz-16QAM-23060-1RB#0-Range2:1000~10000MHz



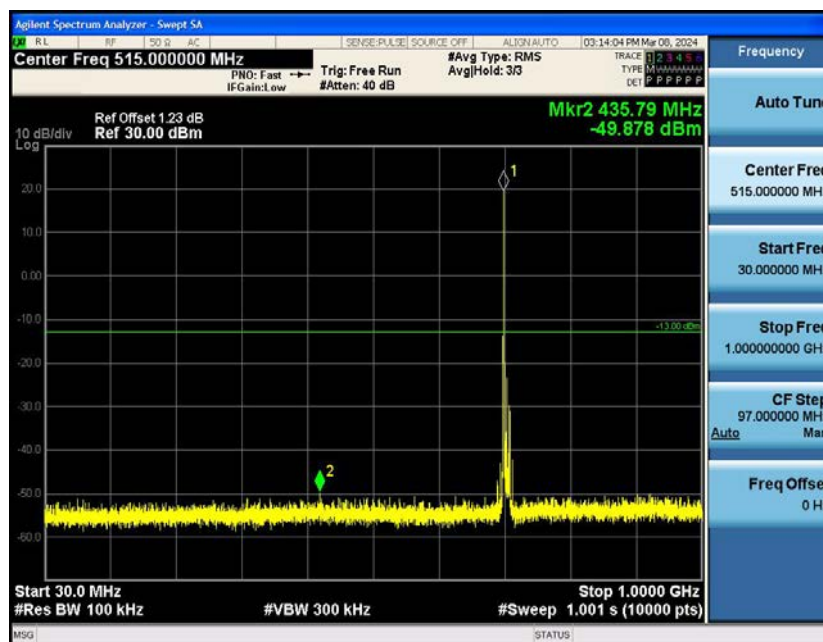
Band12-10MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



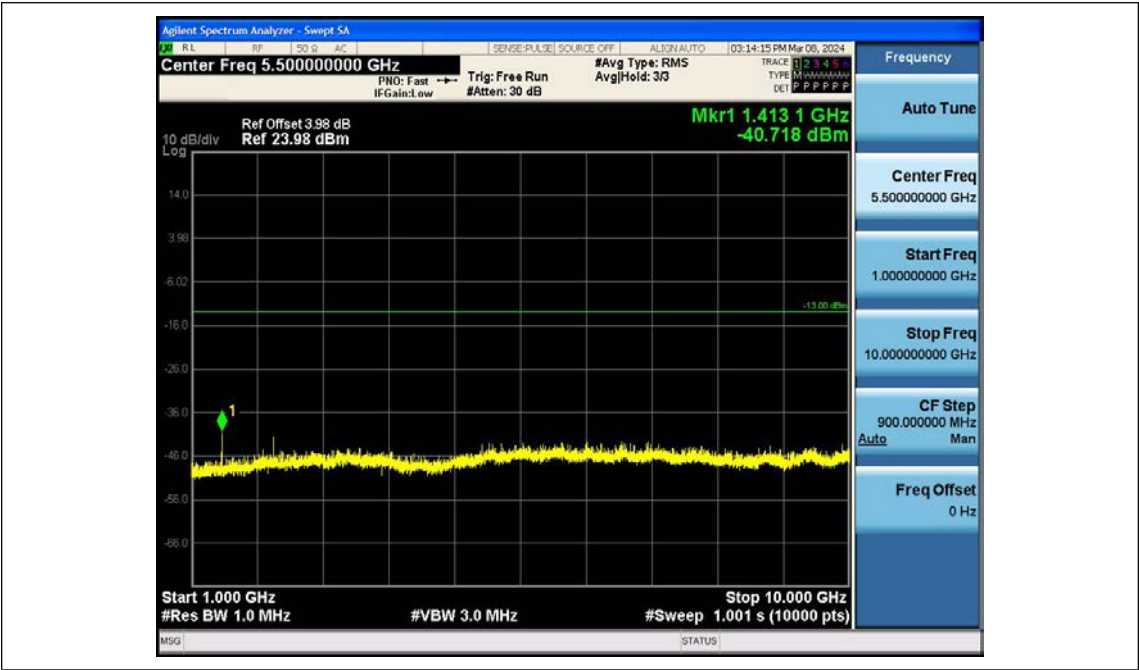
Band12-10MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Band12-10MHz-16QAM-23130-1RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23130-1RB#0-Range2:1000~10000MHz



7:Field Strength of Spurious Radiation

Test Result

Test Band = LTE Band 12_ 10Mhz_TM1

Test Channel = Low - H

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	33.2013	-67.60	0.38	-67.22	-13.00	54.22	150	0	Horizo	PASS
2	66.6697	-66.59	-7.49	-74.08	-13.00	61.08	150	333	Horizo	PASS
3	159.993	-54.86	-5.51	-60.37	-13.00	47.37	150	136	Horizo	PASS
4	240.317	-59.35	-2.14	-61.49	-13.00	48.49	150	136	Horizo	PASS
5	306.768	-61.55	-1.38	-62.93	-13.00	49.93	150	136	Horizo	PASS
6	433.366	-61.85	2.22	-59.63	-13.00	46.63	150	136	Horizo	PASS

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1408.04	-53.87	13.50	-40.37	-13.00	27.37	150	115	Horizo	PASS
2	2112.11	-54.12	20.11	-34.01	-13.00	21.01	150	225	Horizo	PASS
3	2816.18	-54.67	21.31	-33.36	-13.00	20.36	150	330	Horizo	PASS
4	4898.47	-54.90	6.92	-47.98	-13.00	34.98	150	353	Horizo	PASS
5	7807.99	-55.39	9.92	-45.47	-13.00	32.47	150	226	Horizo	PASS
6	10658.7	-55.85	15.24	-40.61	-13.00	27.61	150	50	Horizo	PASS

Test Band = LTE Band 12_ 10Mhz_TM1

Test Channel = Low - V

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	33.2983	-65.83	-0.15	-65.98	-13.00	52.98	150	187	Vertical	PASS
2	103.436	-54.56	-7.61	-62.17	-13.00	49.17	150	141	Vertical	PASS
3	149.224	-55.31	-5.33	-60.64	-13.00	47.64	150	164	Vertical	PASS
4	173.768	-56.62	-4.92	-61.54	-13.00	48.54	150	164	Vertical	PASS
5	218.392	-56.43	-3.69	-60.12	-13.00	47.12	150	164	Vertical	PASS
6	409.987	-61.40	2.01	-59.39	-13.00	46.39	150	164	Vertical	PASS

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1408.04	-53.34	13.13	-40.21	-13.00	27.21	150	306	Vertical	PASS
2	2112.11	-53.15	20.09	-33.06	-13.00	20.06	150	24	Vertical	PASS
3	2816.18	-54.01	21.60	-32.41	-13.00	19.41	150	330	Vertical	PASS
4	3986.43	-54.69	5.51	-49.18	-13.00	36.18	150	98	Vertical	PASS
5	6397.33	-55.06	8.34	-46.72	-13.00	33.72	150	360	Vertical	PASS
6	10271.6	-55.15	15.15	-40.00	-13.00	27.00	150	360	Vertical	PASS

Test Band = LTE Band 12_ 10Mhz_TM1

Test Channel = High - H

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	31.6492	-68.84	1.67	-67.17	-13.00	54.17	150	35	Horizo	PASS
2	160.187	-55.00	-5.59	-60.59	-13.00	47.59	150	142	Horizo	PASS
3	238.958	-58.58	-2.34	-60.92	-13.00	47.92	150	142	Horizo	PASS
4	290.762	-58.43	-1.93	-60.36	-13.00	47.36	150	118	Horizo	PASS
5	433.366	-61.52	2.22	-59.30	-13.00	46.30	150	118	Horizo	PASS
6	500.012	-61.56	3.61	-57.95	-13.00	44.95	150	55	Horizo	PASS

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1422.04	-53.60	13.54	-40.06	-13.00	27.06	150	154	Horizo	PASS
2	2133.11	-55.04	20.13	-34.91	-13.00	21.91	150	350	Horizo	PASS
3	2844.18	-54.45	21.51	-32.94	-13.00	19.94	150	180	Horizo	PASS
4	4821.07	-54.02	7.27	-46.75	-13.00	33.75	150	49	Horizo	PASS
5	7510.98	-55.27	10.15	-45.12	-13.00	32.12	150	261	Horizo	PASS
6	10124.0	-55.50	15.21	-40.29	-13.00	27.29	150	134	Horizo	PASS

Test Band = LTE Band 12_ 10Mhz_TM1

Test Channel = High - V

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	33.3953	-65.47	-0.24	-65.71	-13.00	52.71	150	139	Vertical	PASS
2	115.950	-58.72	-7.05	-65.77	-13.00	52.77	150	159	Vertical	PASS
3	145.538	-55.30	-5.55	-60.85	-13.00	47.85	150	159	Vertical	PASS
4	219.265	-56.91	-3.66	-60.57	-13.00	47.57	150	94	Vertical	PASS
5	288.433	-59.10	-2.77	-61.87	-13.00	48.87	150	94	Vertical	PASS
6	412.412	-59.84	2.01	-57.83	-13.00	44.83	150	159	Vertical	PASS

Suspected Data List										
NO.	Freq. [MHz]	Reading [dBm]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1422.04	-53.55	13.08	-40.47	-13.00	27.47	150	116	Vertical	PASS
2	2133.11	-54.56	20.06	-34.50	-13.00	21.50	150	353	Vertical	PASS
3	2844.18	-54.32	21.75	-32.57	-13.00	19.57	150	136	Vertical	PASS
4	4999.88	-54.00	6.59	-47.41	-13.00	34.41	150	202	Vertical	PASS
5	7551.78	-55.59	10.35	-45.24	-13.00	32.24	150	268	Vertical	PASS
6	9957.27	-55.81	15.16	-40.65	-13.00	27.65	150	243	Vertical	PASS

8: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band12	1.4MHz	QPSK	23017	6RB#0	VL	NT	17.87	0.025540	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VN	NT	-13.02	-0.018608	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VH	NT	26.19	0.037430	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VL	NT	-19.51	-0.027576	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VN	NT	-26.16	-0.036975	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VH	NT	15.13	0.021385	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VL	NT	21.49	0.030043	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VN	NT	-37.92	-0.053013	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VH	NT	18.28	0.025556	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VL	NT	-22.39	-0.031999	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VN	NT	-18.90	-0.027012	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VH	NT	11.04	0.015778	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VL	NT	21.86	0.030898	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VN	NT	10.71	0.015138	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VH	NT	20.69	0.029244	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VL	NT	23.35	0.032644	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VN	NT	20.94	0.029274	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VH	NT	-14.41	-0.020145	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VL	NT	-19.43	-0.027737	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VN	NT	-22.72	-0.032434	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VH	NT	40.10	0.057245	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VL	NT	11.99	0.016947	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VN	NT	-28.94	-0.040905	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VH	NT	16.62	0.023491	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VL	NT	15.26	0.021358	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VN	NT	-19.17	-0.026830	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VH	NT	-23.30	-0.032610	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VL	NT	6.08	0.008680	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VN	NT	26.76	0.038201	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VH	NT	3.92	0.005596	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VL	NT	-21.69	-0.030657	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VN	NT	23.75	0.033569	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VH	NT	-23.39	-0.033060	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VL	NT	-16.28	-0.022785	±2.5	PASS

Band12	3MHz	16QAM	23165	15RB#0	VN	NT	-24.75	-0.034640	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VH	NT	15.72	0.022001	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VL	NT	14.03	0.020000	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VN	NT	-19.77	-0.028182	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VH	NT	19.83	0.028268	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VL	NT	-25.55	-0.036113	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VN	NT	-20.86	-0.029484	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VH	NT	29.34	0.041470	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VL	NT	-26.04	-0.036496	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VN	NT	14.26	0.019986	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VH	NT	-10.56	-0.014800	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VL	NT	14.62	0.020841	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VN	NT	12.93	0.018432	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VH	NT	21.69	0.030919	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VL	NT	24.85	0.035124	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VN	NT	-28.05	-0.039647	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VH	NT	16.45	0.023251	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VL	NT	-26.49	-0.037127	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VN	NT	-16.85	-0.023616	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VH	NT	-15.22	-0.021331	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	-13.80	-0.019602	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	13.40	0.019034	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	18.45	0.026207	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-24.70	-0.034912	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-21.06	-0.029767	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	13.92	0.019675	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	-20.66	-0.029058	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-34.89	-0.049072	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-20.83	-0.029297	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	-23.12	-0.032841	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	0.00	0.000000	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	-13.05	-0.018537	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-33.04	-0.046700	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	23.13	0.032693	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	0.00	0.000000	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	-43.62	-0.061350	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	-28.25	-0.039733	±2.5	PASS

Temperature

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	-24.15	-0.034515	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-20	21.59	0.030856	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	-26.64	-0.038073	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	14.76	0.021095	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	-19.05	-0.027226	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-30	19.03	0.026898	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-20	-24.45	-0.034558	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	-11.89	-0.016806	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	-8.84	-0.012495	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	-14.26	-0.020155	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-30	26.08	0.036460	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-20	17.77	0.024843	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	29.84	0.041717	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	22.52	0.031483	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	27.71	0.038739	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-30	-19.47	-0.027826	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-20	19.90	0.028441	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	0	-15.16	-0.021666	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	10	-10.91	-0.015592	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	20	32.76	0.046820	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-30	21.44	0.030304	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-20	-14.38	-0.020325	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	0	-25.75	-0.036396	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	10	16.21	0.022912	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	20	20.37	0.028792	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-30	15.46	0.021613	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-20	-8.98	-0.012554	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	0	-19.11	-0.026716	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	10	22.19	0.031022	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	20	-10.43	-0.014581	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-30	-17.38	-0.024811	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-20	14.89	0.021256	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	0	16.39	0.023398	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	10	-12.47	-0.017802	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	20	32.22	0.045996	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-30	-19.76	-0.027929	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-20	16.04	0.022671	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	0	24.46	0.034572	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	10	30.68	0.043364	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	20	20.34	0.028749	±2.5	PASS

Band12	3MHz	QPSK	23165	15RB#0	NV	-30	19.97	0.027950	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-20	20.14	0.028188	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	0	21.72	0.030399	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	10	27.21	0.038083	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	20	-11.77	-0.016473	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-30	-11.57	-0.016517	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-20	-22.62	-0.032291	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	0	13.35	0.019058	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	10	-11.34	-0.016188	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	20	16.75	0.023911	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-30	-25.28	-0.035731	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-20	-19.08	-0.026968	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	0	-9.37	-0.013244	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	10	28.81	0.040721	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	20	-26.87	-0.037979	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-30	-12.57	-0.017593	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-20	15.35	0.021484	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	0	34.29	0.047992	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	10	-18.81	-0.026326	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	20	19.70	0.027572	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-30	29.21	0.041639	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-20	30.11	0.042922	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	0	-13.99	-0.019943	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	10	-11.92	-0.016992	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	20	-31.13	-0.044376	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-30	28.15	0.039788	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-20	19.11	0.027011	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	0	17.97	0.025399	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	10	19.94	0.028184	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	20	11.66	0.016481	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-30	28.10	0.039383	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-20	-10.31	-0.014450	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	0	23.52	0.032964	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	10	-16.21	-0.022719	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	20	-15.26	-0.021388	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-30	-27.58	-0.039316	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-20	-16.87	-0.024048	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	0	-17.40	-0.024804	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	10	-20.86	-0.029736	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	20	-8.34	-0.011889	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-30	19.93	0.028170	±2.5	PASS

Band12	5MHz	16QAM	23095	25RB#0	NV	-20	17.80	0.025159	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	0	21.00	0.029682	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	10	-18.70	-0.026431	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	20	-17.04	-0.024085	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-30	22.09	0.030960	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-20	16.05	0.022495	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	0	14.32	0.020070	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	10	-27.55	-0.038612	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	20	-24.73	-0.034660	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	17.41	0.024730	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	-12.73	-0.018082	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	14.45	0.020526	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	18.98	0.026960	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	27.07	0.038452	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-13.33	-0.018841	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-39.84	-0.056311	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	20.93	0.029583	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-21.29	-0.030092	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-14.73	-0.020820	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	-26.16	-0.036793	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-17.07	-0.024008	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-26.87	-0.037792	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	13.78	0.019381	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	26.94	0.037890	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	-44.03	-0.062543	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	0.00	0.000000	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	0.00	0.000000	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	-40.38	-0.057358	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-16.62	-0.023491	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	-27.68	-0.039124	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	0	0.00	0.000000	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	-34.42	-0.048650	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	12.50	0.017668	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	22.95	0.032278	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	22.72	0.031955	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	8.14	0.011449	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	-9.91	-0.013938	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	7.08	0.009958	±2.5	PASS