

Test Graphs

N66-5MHz-QPSK-349000-25RB#0



N66-5MHz-16QAM-349000-25RB#0



N66-5MHz-64QAM-349000-25RB#0



N66-5MHz-BPSK-349000-25RB#0



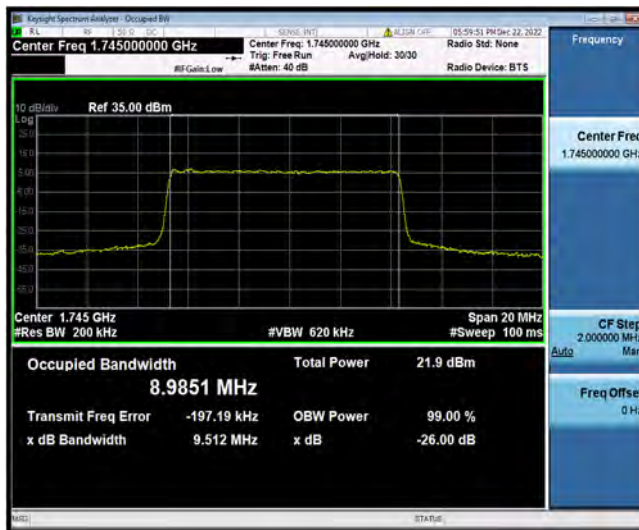
N66-5MHz-256QAM-349000-25RB#0



N66-10MHz-QPSK-349000-50RB#0



N66-10MHz-16QAM-349000-50RB#0



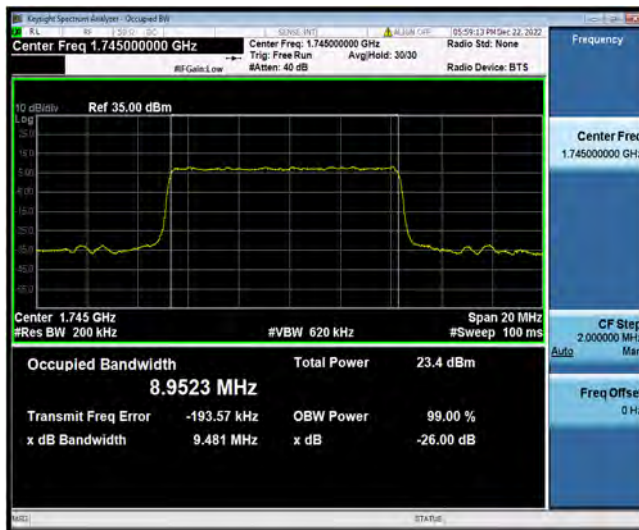
N66-10MHz-64QAM-349000-50RB#0



N66-10MHz-256QAM-349000-50RB#0



N66-10MHz-BPSK-349000-50RB#0



N66-15MHz-QPSK-349000-75RB#0



N66-15MHz-16QAM-349000-75RB#0



N66-15MHz-64QAM-349000-75RB#0



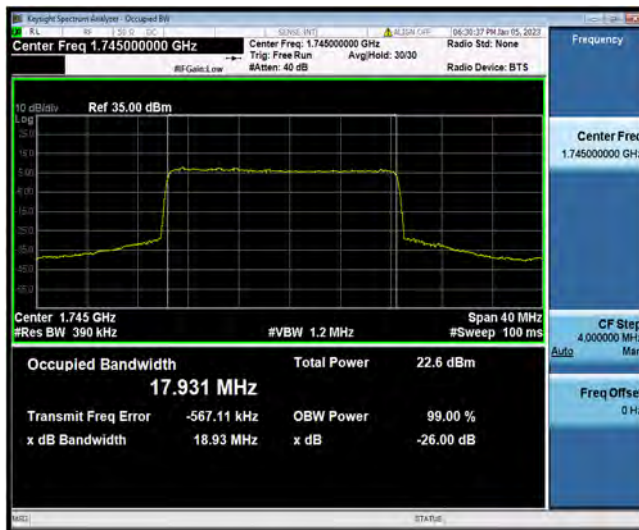
N66-15MHz-256QAM-349000-75RB#0



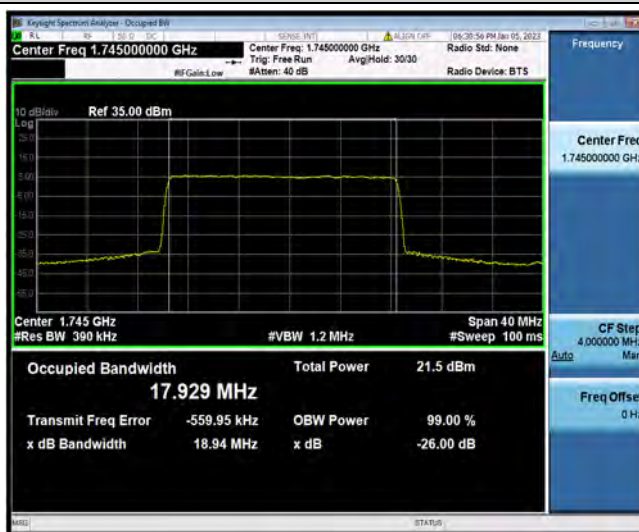
N66-15MHz-BPSK-349000-75RB#0



N66-20MHz-QPSK-349000-100RB#0



N66-20MHz-16QAM-349000-100RB#0



N66-20MHz-64QAM-349000-100RB#0



N66-20MHz-BPSK-349000-100RB#0



N66-20MHz-256QAM-349000-100RB#0



N66-30MHz-QPSK-349000-160RB#0



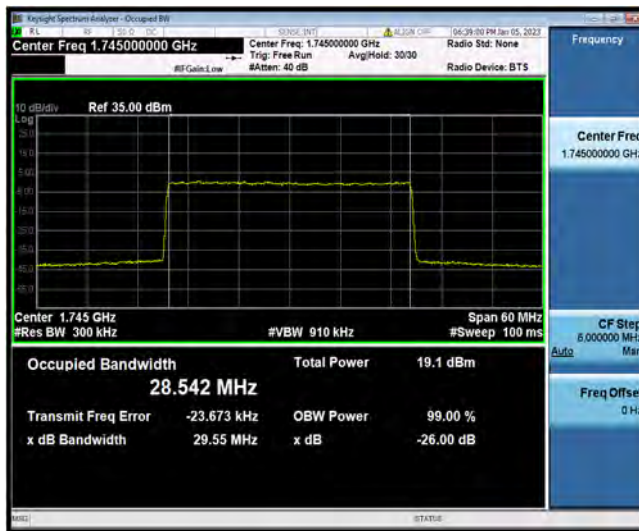
N66-30MHz-16QAM-349000-160RB#0



N66-30MHz-64QAM-349000-160RB#0



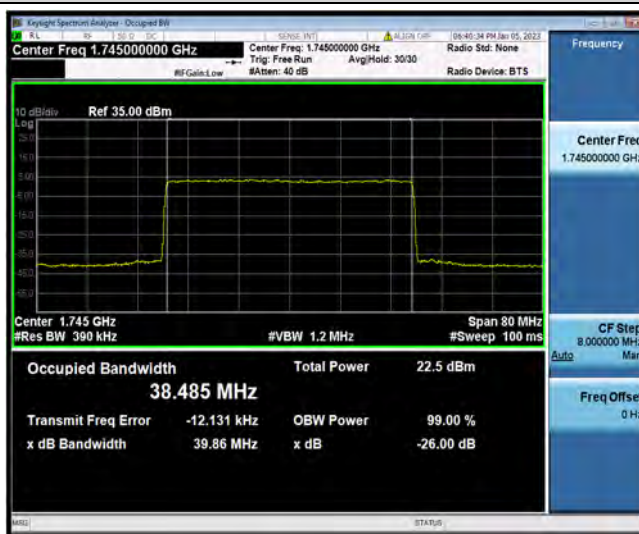
N66-30MHz-256QAM-349000-160RB#0



N66-30MHz-BPSK-349000-160RB#0



N66-40MHz-QPSK-349000-216RB#0



N66-40MHz-16QAM-349000-216RB#0



N66-40MHz-64QAM-349000-216RB#0



N66-40MHz-256QAM-349000-216RB#0



N66-40MHz-BPSK-349000-216RB#0



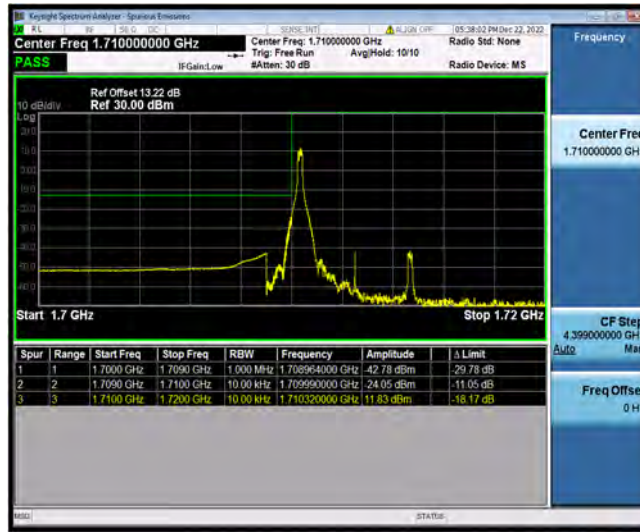
Band Edge

Test Result

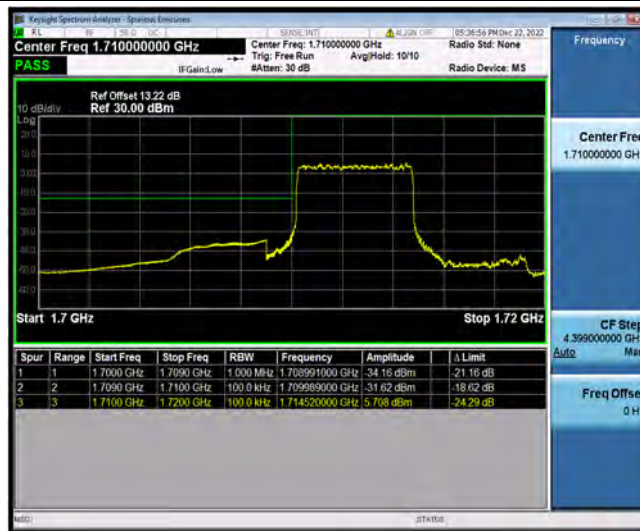
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
N66	5MHz	QPSK	342500	1RB#0	-42.78,-24.05	PASS
N66	5MHz	QPSK	342500	25RB#0	-34.16,-31.62	PASS
N66	5MHz	QPSK	355500	1RB#24	-24.56,-42.52	PASS
N66	5MHz	QPSK	355500	25RB#0	-25.39,-20.78	PASS
N66	20MHz	QPSK	344000	1RB#0	-43.50,-34.37	PASS
N66	20MHz	QPSK	344000	100RB#0	-36.33,-36.42	PASS
N66	20MHz	QPSK	353000	1RB#99	-25.36,-41.99	PASS
N66	20MHz	QPSK	353000	100RB#0	-33.50,-31.56	PASS
N66	40MHz	QPSK	346000	1RB#0	-42.12,-38.09	PASS
N66	40MHz	QPSK	346000	216RB#0	-38.70,-41.17	PASS
N66	40MHz	QPSK	352000	1RB#214	-49.71,-42.44	PASS
N66	40MHz	QPSK	352000	216RB#0	-38.02,-36.45	PASS

Test Graphs

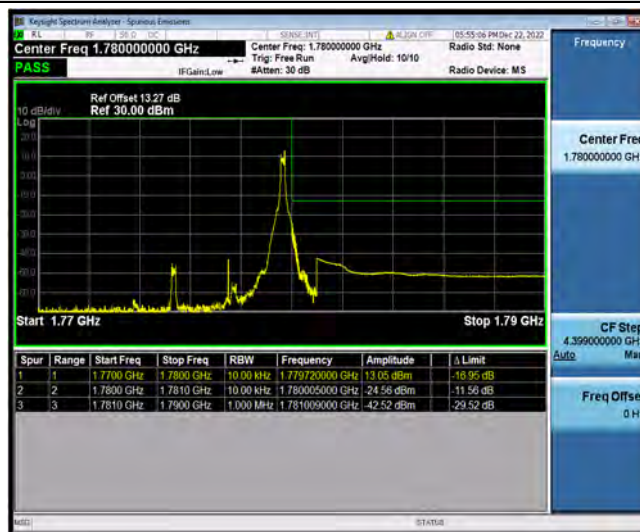
N66-5MHz-QPSK-342500-1RB#0



N66-5MHz-QPSK-342500-25RB#0



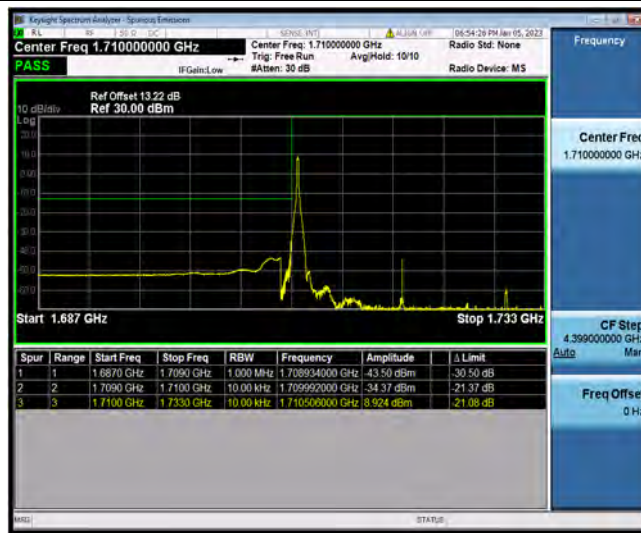
N66-5MHz-QPSK-355500-1RB#24



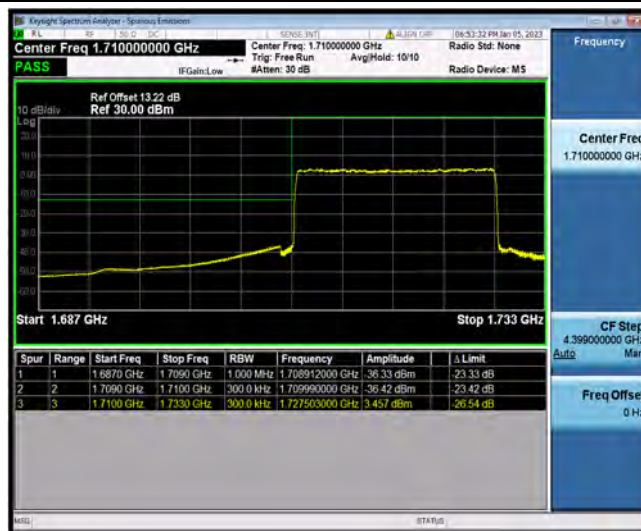
N66-5MHz-QPSK-355500-25RB#0



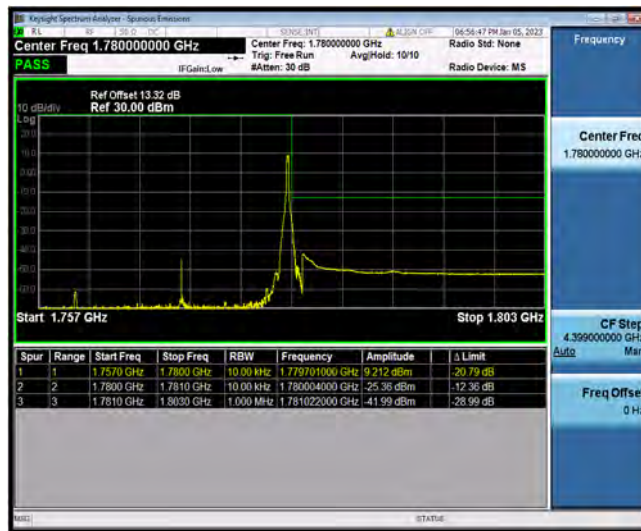
N66-20MHz-QPSK-344000-1RB#0



N66-20MHz-QPSK-344000-100RB#0



N66-20MHz-QPSK-353000-1RB#99



N66-20MHz-QPSK-353000-100RB#0



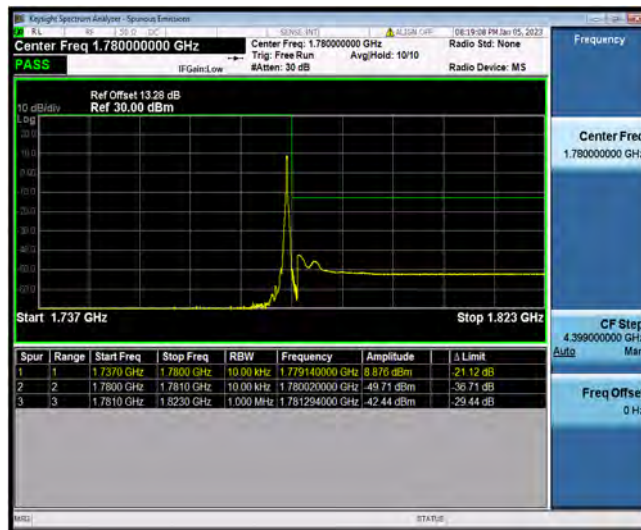
N66-40MHz-QPSK-346000-1RB#0



N66-40MHz-QPSK-346000-216RB#0



N66-40MHz-QPSK-352000-1RB#214



N66-40MHz-QPSK-352000-216RB#0



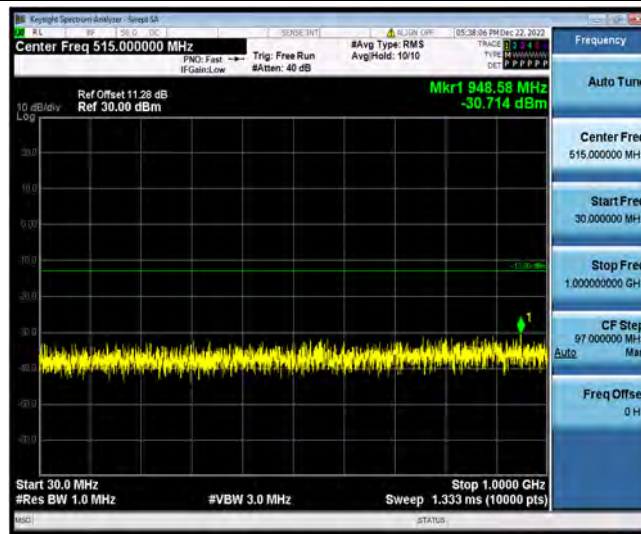
Conducted Spurious Emission

Test Result

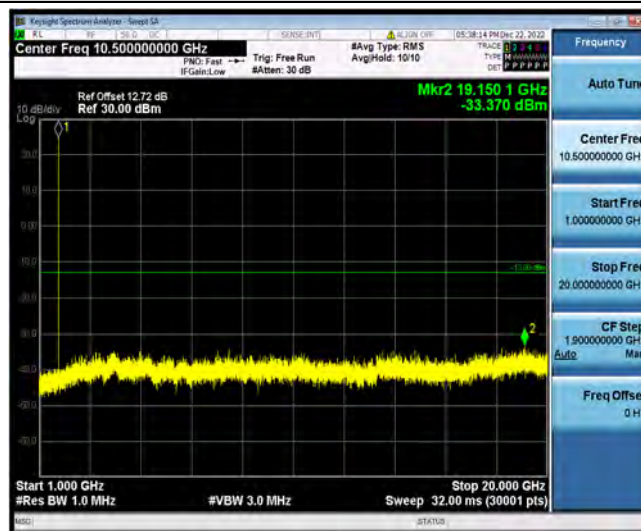
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
N66	5MHz	QPSK	342500	1RB#0	Range1:30~1000MHz	- 30.71	PASS
N66	5MHz	QPSK	342500	1RB#0	Range2:1000~20000MHz	- 33.37	PASS
N66	5MHz	QPSK	349000	1RB#0	Range1:30~1000MHz	- 31.08	PASS
N66	5MHz	QPSK	349000	1RB#0	Range2:1000~20000MHz	- 33.09	PASS
N66	5MHz	QPSK	355500	1RB#0	Range1:30~1000MHz	- 30.37	PASS
N66	5MHz	QPSK	355500	1RB#0	Range2:1000~20000MHz	- 33.28	PASS
N66	20MHz	QPSK	344000	1RB#0	Range1:30~1000MHz	- 30.63	PASS
N66	20MHz	QPSK	344000	1RB#0	Range2:1000~20000MHz	- 32.62	PASS
N66	20MHz	QPSK	349000	1RB#0	Range1:30~1000MHz	- 29.72	PASS
N66	20MHz	QPSK	349000	1RB#0	Range2:1000~20000MHz	- 33.89	PASS
N66	20MHz	QPSK	353000	1RB#0	Range1:30~1000MHz	- 30.96	PASS
N66	20MHz	QPSK	353000	1RB#0	Range2:1000~20000MHz	- 32.67	PASS
N66	40MHz	QPSK	346000	1RB#0	Range1:30~1000MHz	- 30.83	PASS
N66	40MHz	QPSK	346000	1RB#0	Range2:1000~20000MHz	- 33.65	PASS
N66	40MHz	QPSK	349000	1RB#0	Range1:30~1000MHz	- 31.32	PASS
N66	40MHz	QPSK	349000	1RB#0	Range2:1000~20000MHz	- 33.47	PASS
N66	40MHz	QPSK	352000	1RB#0	Range1:30~1000MHz	-30.4	PASS
N66	40MHz	QPSK	352000	1RB#0	Range2:1000~20000MHz	- 33.71	PASS

Test Graphs

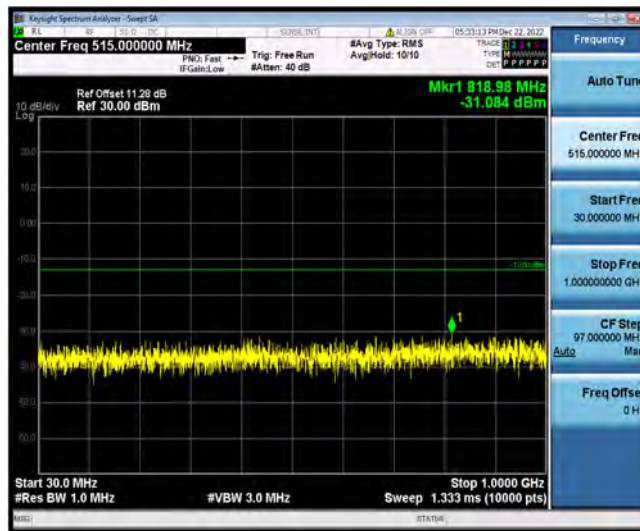
N66-5MHz-QPSK-342500-1RB#0-Range1:30~1000MHz



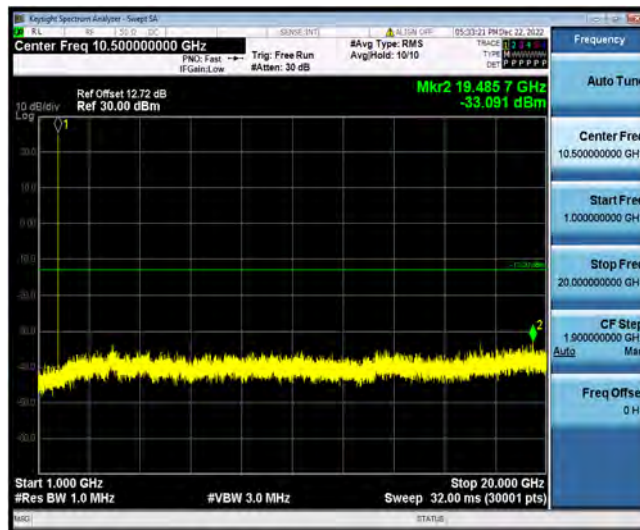
N66-5MHz-QPSK-342500-1RB#0-Range2:1000~20000MHz



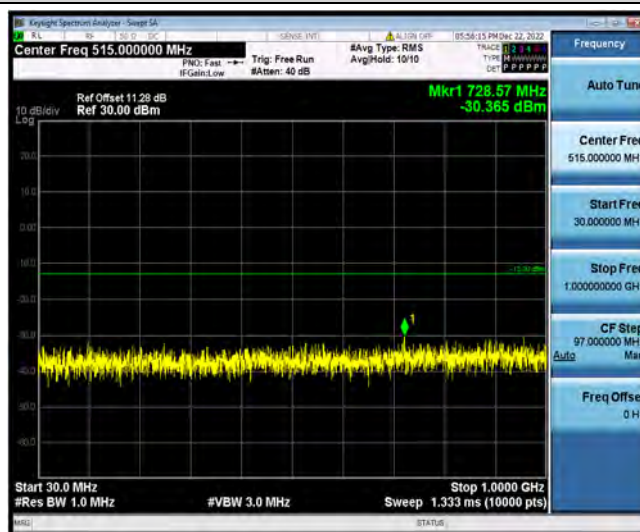
N66-5MHz-QPSK-349000-1RB#0-Range1:30~1000MHz



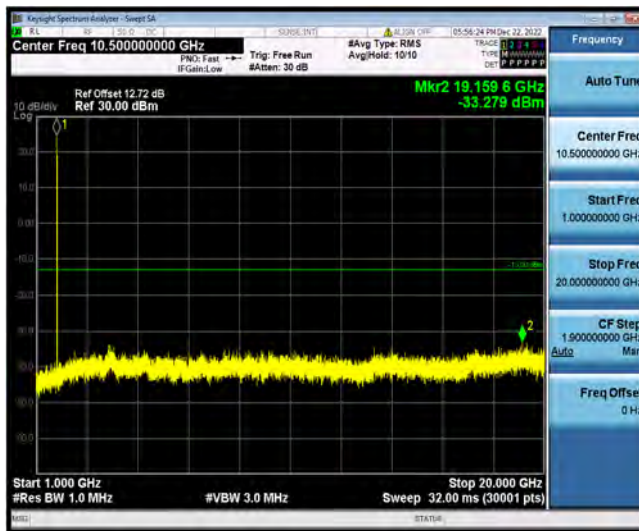
N66-5MHz-QPSK-349000-1RB#0-Range2:1000~2000MHz



N66-5MHz-QPSK-355500-1RB#0-Range1:30~100MHz



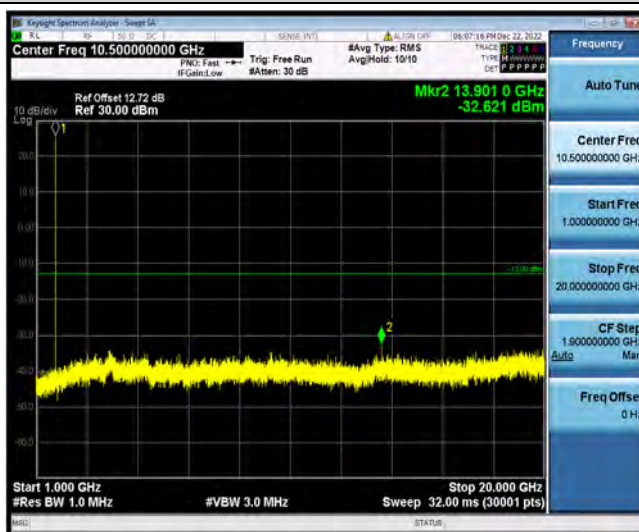
N66-5MHz-QPSK-355500-1RB#0-Range2:1000~2000MHz



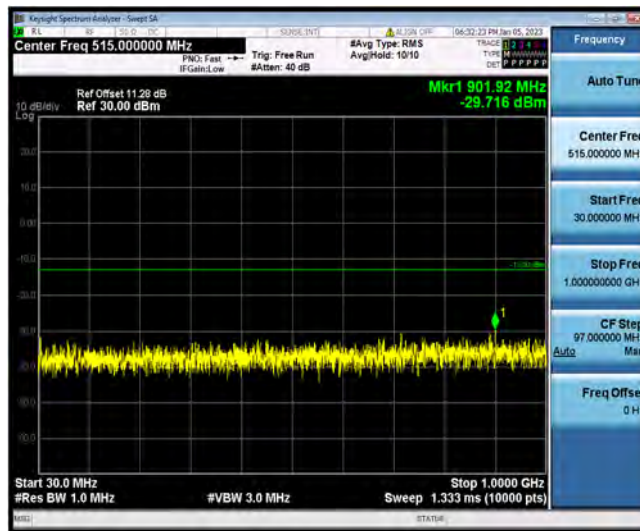
N66-20MHz-QPSK-344000-1RB#0-Range1:30~1000MHz



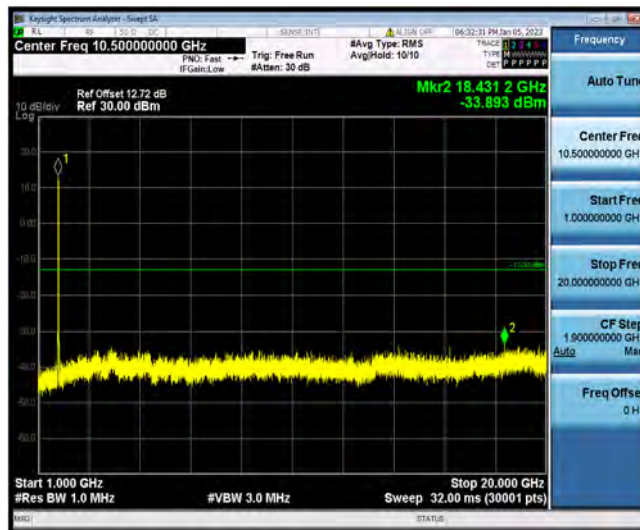
N66-20MHz-QPSK-344000-1RB#0-Range2:1000~2000MHz



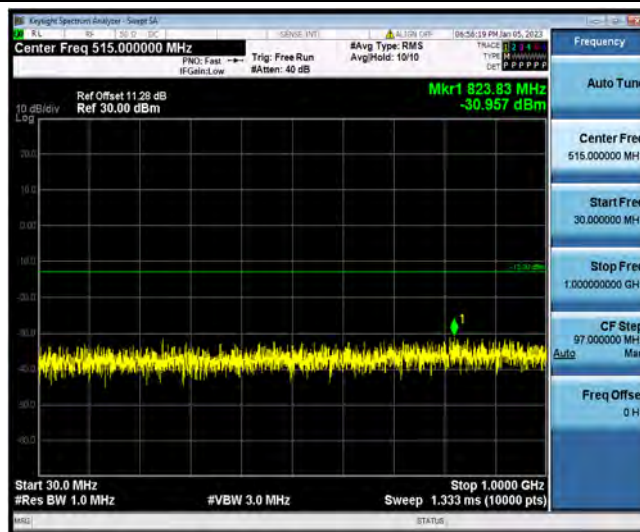
N66-20MHz-QPSK-349000-1RB#0-Range1:30~1000MHz



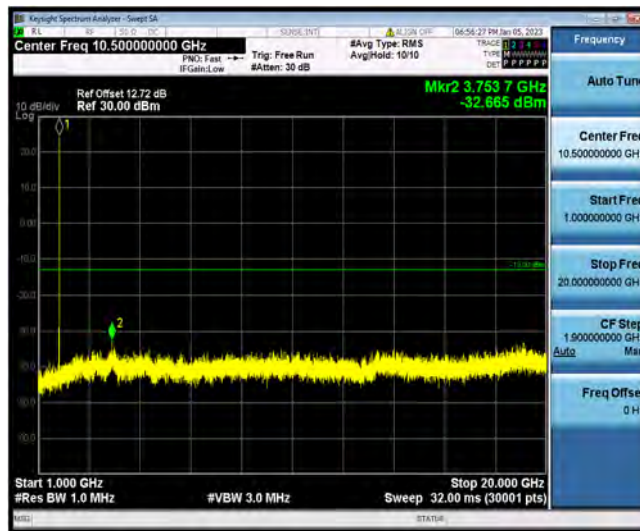
N66-20MHz-QPSK-349000-1RB#0-Range2:1000~20000MHz



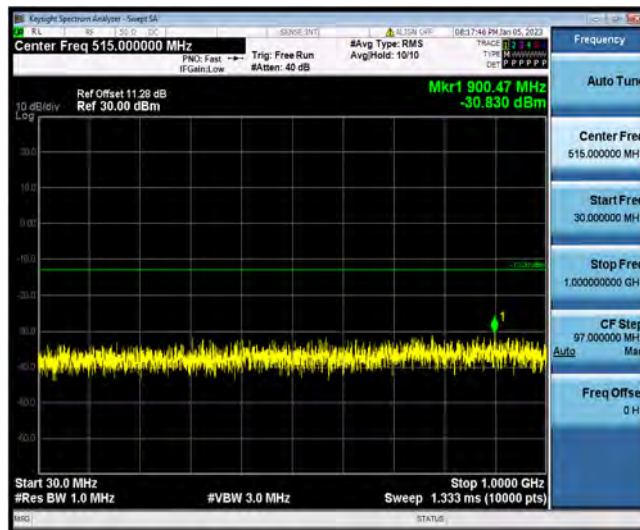
N66-20MHz-QPSK-353000-1RB#0-Range1:30~1000MHz



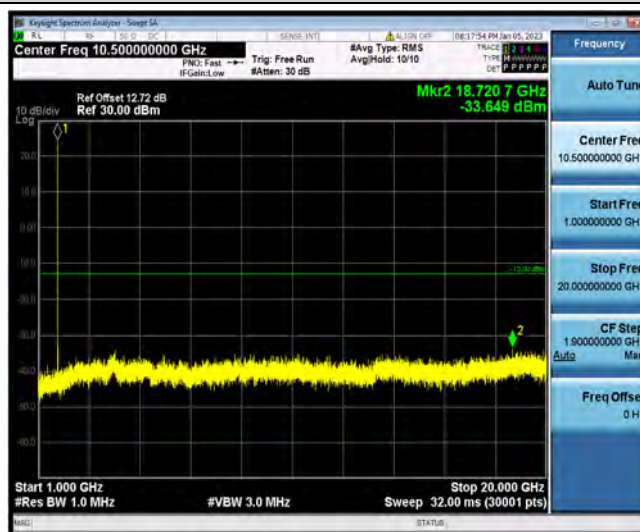
N66-20MHz-QPSK-353000-1RB#0-Range2:1000~20000MHz



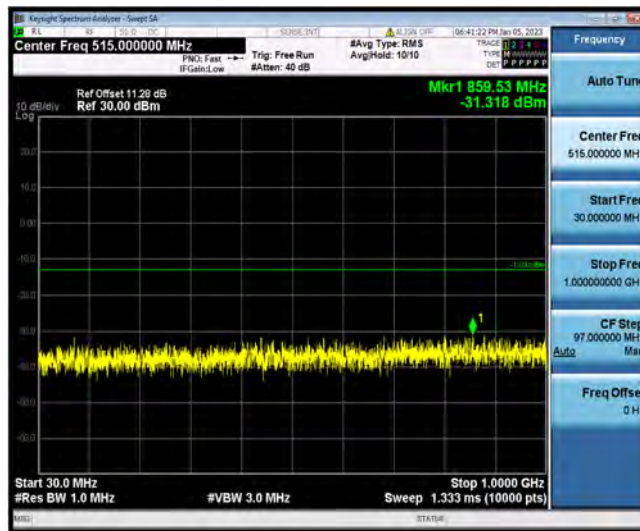
N66-40MHz-QPSK-346000-1RB#0-Range1:30~1000MHz



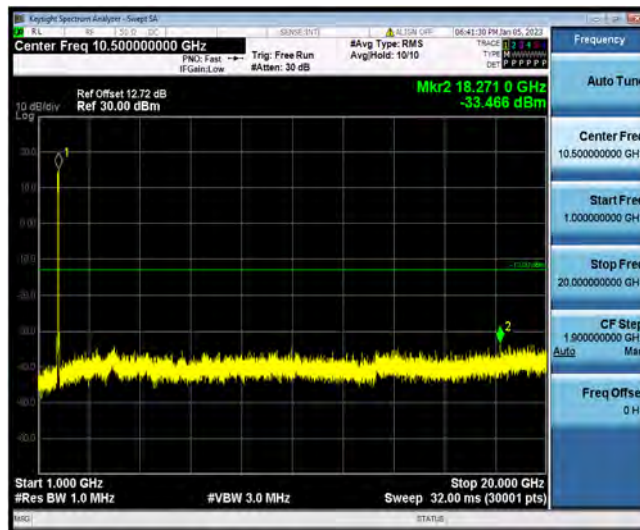
N66-40MHz-QPSK-346000-1RB#0-Range2:1000~20000MHz



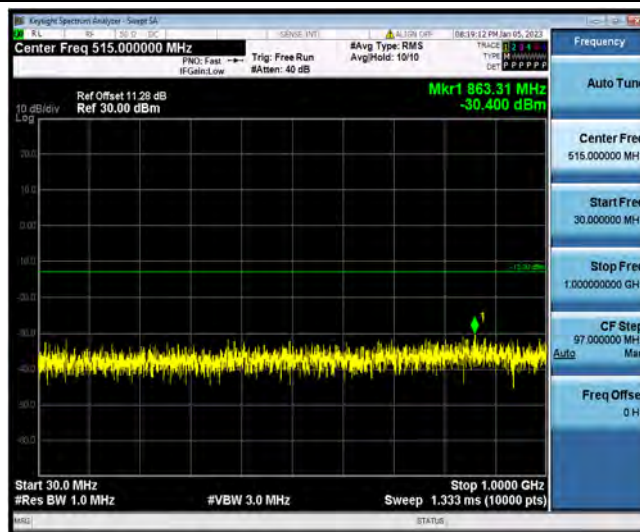
N66-40MHz-QPSK-349000-1RB#0-Range1:30~1000MHz



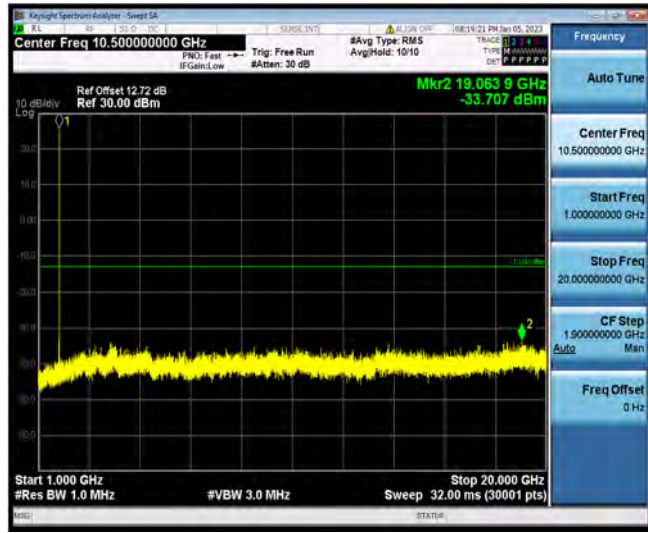
N66-40MHz-QPSK-349000-1RB#0-Range2:1000~20000MHz



N66-40MHz-QPSK-352000-1RB#0-Range1:30~1000MHz



N66-40MHz-QPSK-352000-1RB#0-Range2:1000~20000MHz



Frequency Stability

Test Result

Voltage&Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N66	20MHz	QPSK	349000	50RB#0	VL	NT	20.04	0.011485	±2.5	PASS
N66	20MHz	QPSK	349000	50RB#0	VN	NT	42.98	0.024628	±2.5	PASS
N66	20MHz	QPSK	349000	50RB#0	VH	NT	28.68	0.016434	±2.5	PASS
N66	20MHz	QPSK	349000	50RB#0	NV	-30	44.05	0.025242	±2.5	PASS
N66	20MHz	QPSK	349000	50RB#0	NV	-20	30.38	0.017410	±2.5	PASS
N66	20MHz	QPSK	349000	50RB#0	NV	0	49.30	0.028254	±2.5	PASS
N66	20MHz	QPSK	349000	50RB#0	NV	10	38.54	0.022084	±2.5	PASS
N66	20MHz	QPSK	349000	50RB#0	NV	20	38.00	0.021774	±2.5	PASS
N66	20MHz	QPSK	349000	50RB#0	NV	30	46.00	0.026363	±2.5	PASS
N66	20MHz	QPSK	349000	50RB#0	NV	40	20.52	0.011759	±2.5	PASS
N66	20MHz	QPSK	349000	50RB#0	NV	50	21.54	0.012346	±2.5	PASS

N71

Peak-to-Average Ratio (CCDF)

Test Result

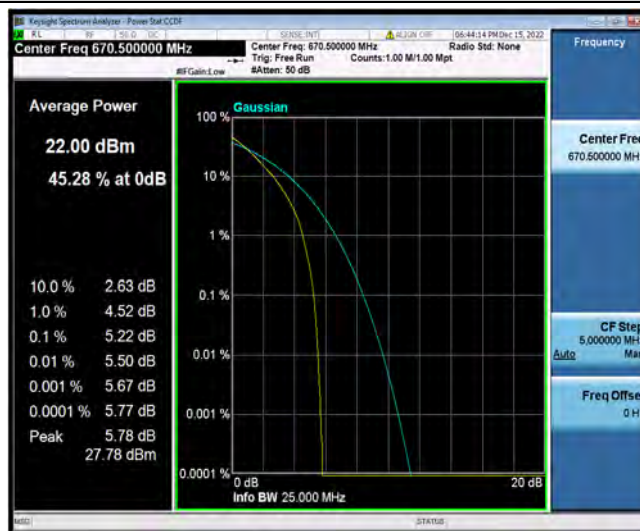
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
N71	15MHz	QPSK	134100	1RB#0	4.93	13	PASS
N71	15MHz	QPSK	134100	75RB#0	5.22	13	PASS
N71	15MHz	QPSK	136100	1RB#0	4.88	13	PASS
N71	15MHz	QPSK	136100	75RB#0	5.41	13	PASS
N71	15MHz	QPSK	138100	1RB#0	4.37	13	PASS
N71	15MHz	QPSK	138100	75RB#0	4.77	13	PASS

Test Graphs

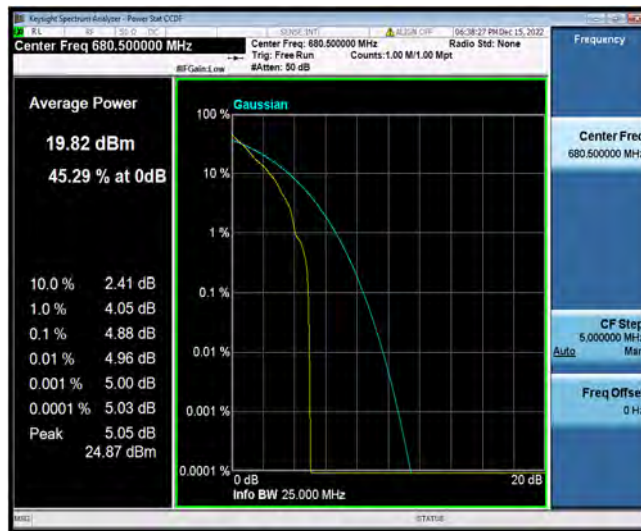
N71-15MHz-QPSK-134100-1RB#0



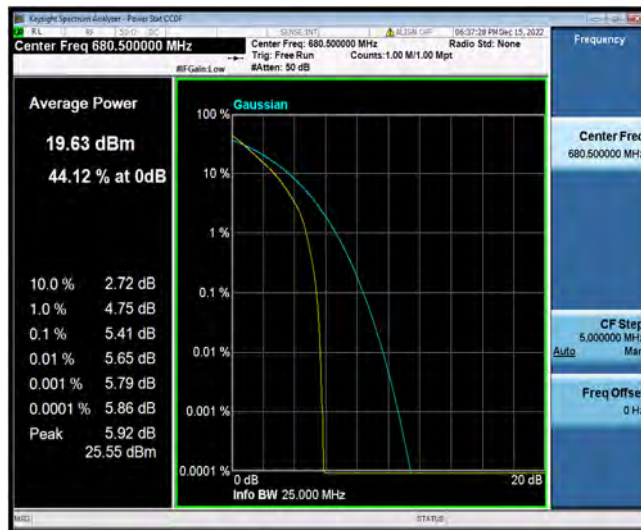
N71-15MHz-QPSK-134100-75RB#0



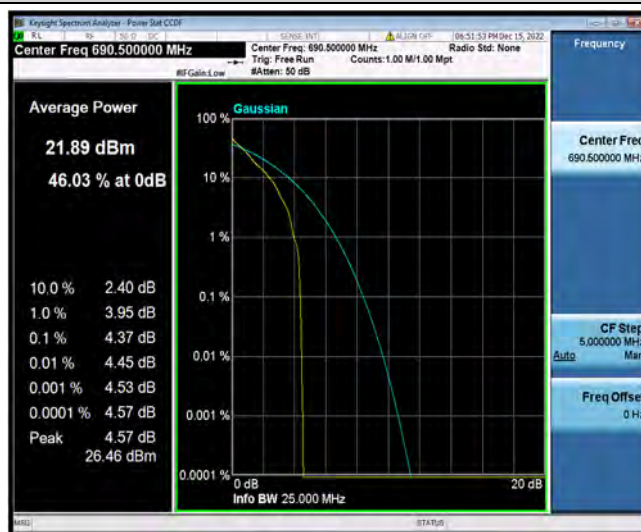
N71-15MHz-QPSK-136100-1RB#0



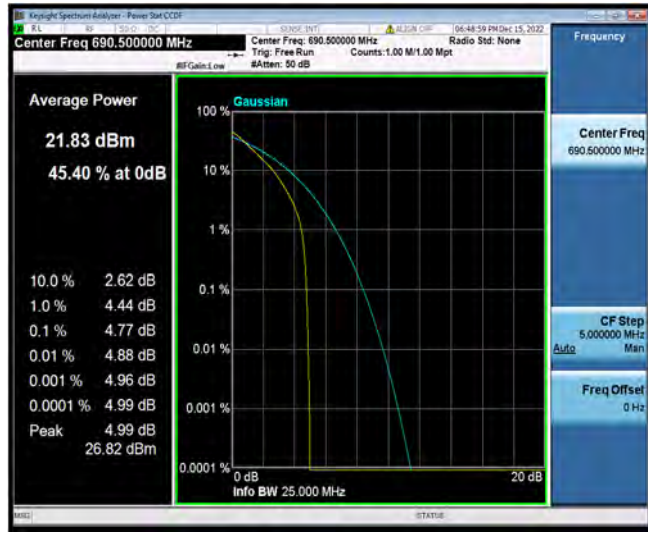
N71-15MHz-QPSK-136100-75RB#0



N71-15MHz-QPSK-138100-1RB#0



N71-15MHz-QPSK-138100-75RB#0



26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
N71	5MHz	QPSK	136100	25RB#0	4.5001	4.839	PASS
N71	5MHz	16QAM	136100	25RB#0	4.5137	4.880	PASS
N71	5MHz	64QAM	136100	25RB#0	4.5054	4.777	PASS
N71	5MHz	256QAM	136100	25RB#0	4.4947	4.784	PASS
N71	5MHz	BPSK	136100	25RB#0	4.5064	4.828	PASS
N71	10MHz	QPSK	136100	50RB#0	8.9774	9.507	PASS
N71	10MHz	16QAM	136100	50RB#0	8.9901	9.517	PASS
N71	10MHz	64QAM	136100	50RB#0	9.0106	9.534	PASS
N71	10MHz	BPSK	136100	50RB#0	8.9743	9.496	PASS
N71	10MHz	256QAM	136100	50RB#0	8.9649	9.486	PASS
N71	15MHz	QPSK	136100	75RB#0	13.492	14.22	PASS
N71	15MHz	16QAM	136100	75RB#0	13.483	14.21	PASS
N71	15MHz	64QAM	136100	75RB#0	13.484	14.22	PASS
N71	15MHz	BPSK	136100	75RB#0	13.472	14.20	PASS
N71	15MHz	256QAM	136100	75RB#0	13.498	14.22	PASS

Test Graphs

N71-5MHz-QPSK-133100-25RB#0



N71-5MHz-QPSK-136100-25RB#0



N71-5MHz-16QAM-136100-25RB#0



N71-5MHz-64QAM-136100-25RB#0



N71-5MHz-256QAM-136100-25RB#0



N71-5MHz-BPSK-136100-25RB#0



N71-10MHz-QPSK-133600-50RB#0



N71-10MHz-QPSK-136100-50RB#0



N71-10MHz-QPSK-138600-50RB#0



N71-10MHz-16QAM-136100-50RB#0



N71-10MHz-64QAM-136100-50RB#0



N71-10MHz-BPSK-136100-50RB#0



N71-10MHz-256QAM-136100-50RB#0



N71-15MHz-QPSK-134100-75RB#0



N71-15MHz-QPSK-136100-75RB#0



N71-15MHz-QPSK-138100-75RB#0



N71-15MHz-16QAM-136100-75RB#0



N71-15MHz-64QAM-136100-75RB#0



N71-15MHz-BPSK-136100-75RB#0



N71-15MHz-256QAM-136100-75RB#0



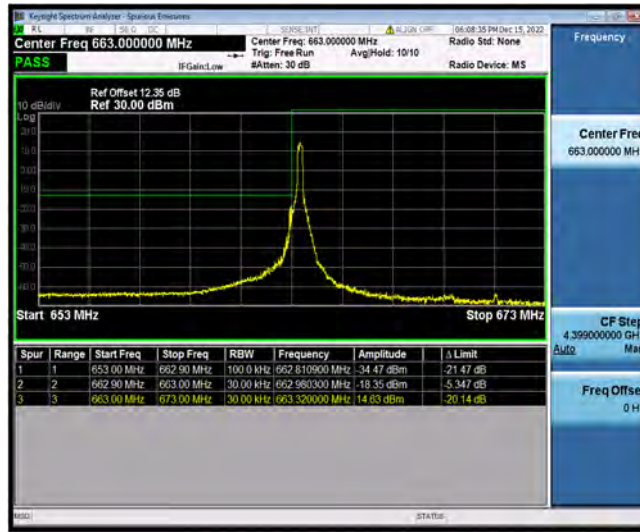
Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
N71	5MHz	QPSK	133100	1RB#0	-34.47,-18.35	PASS
N71	5MHz	QPSK	133100	25RB#0	-35.49	PASS
N71	5MHz	QPSK	133447	1RB#24	-25.93,-50.92	PASS
N71	5MHz	QPSK	133447	25RB#0	-29.77,-34.15	PASS
N71	10MHz	QPSK	133600	1RB#0	-32.13,-16.47	PASS
N71	10MHz	QPSK	133600	50RB#0	-37.48,-35.39	PASS
N71	10MHz	QPSK	138600	1RB#49	-42.08,-43.12	PASS
N71	10MHz	QPSK	138600	50RB#0	-38.34,-39.38	PASS
N71	15MHz	QPSK	134100	1RB#0	-42.58,-24.98	PASS
N71	15MHz	QPSK	134100	75RB#0	-39.78,-42.67	PASS
N71	15MHz	QPSK	138100	1RB#74	-54.90,-53.48	PASS
N71	15MHz	QPSK	138100	75RB#0	-49.66,-42.82	PASS

Test Graphs

N71-5MHz-QPSK-133100-1RB#0



N71-5MHz-QPSK-133100-25RB#0



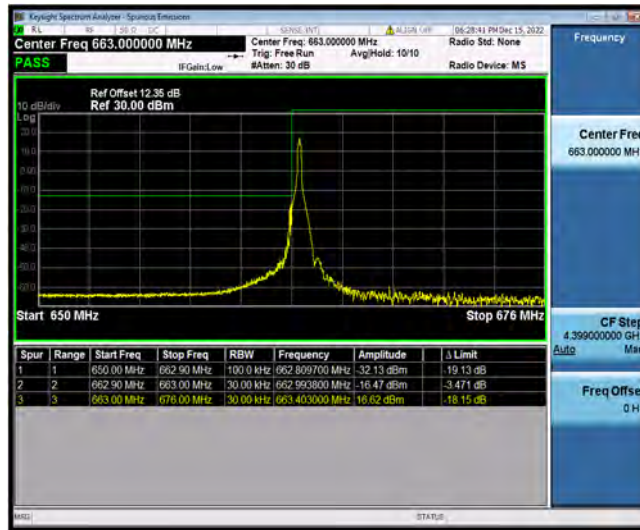
N71-5MHz-QPSK-133447-1RB#24



N71-5MHz-QPSK-133447-25RB#0



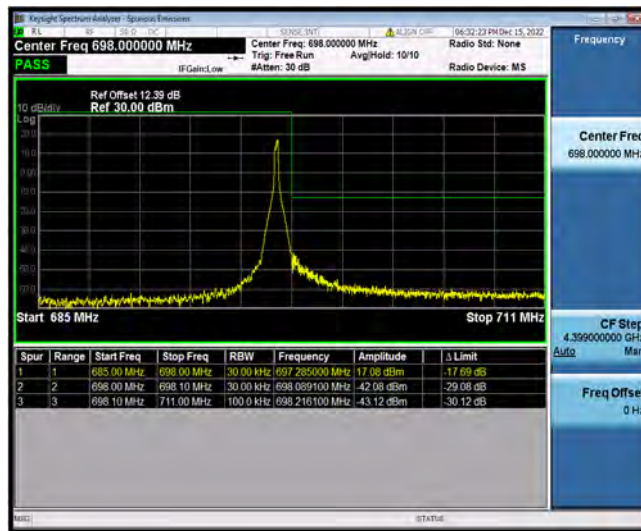
N71-10MHz-QPSK-133600-1RB#0



N71-10MHz-QPSK-133600-50RB#0



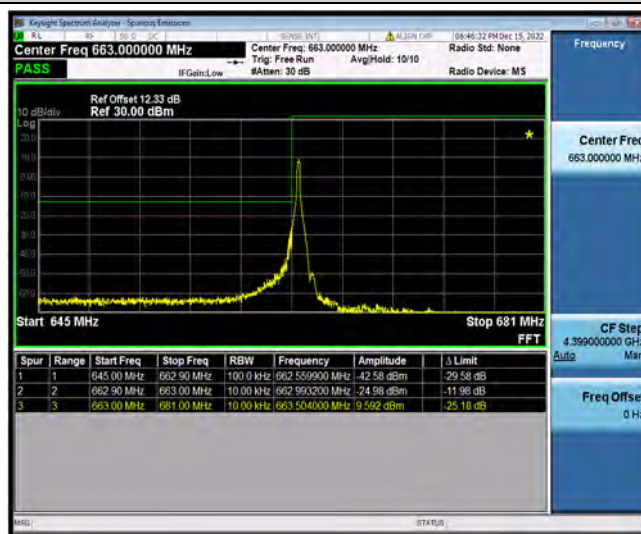
N71-10MHz-QPSK-138600-1RB#49



N71-10MHz-QPSK-138600-50RB#0



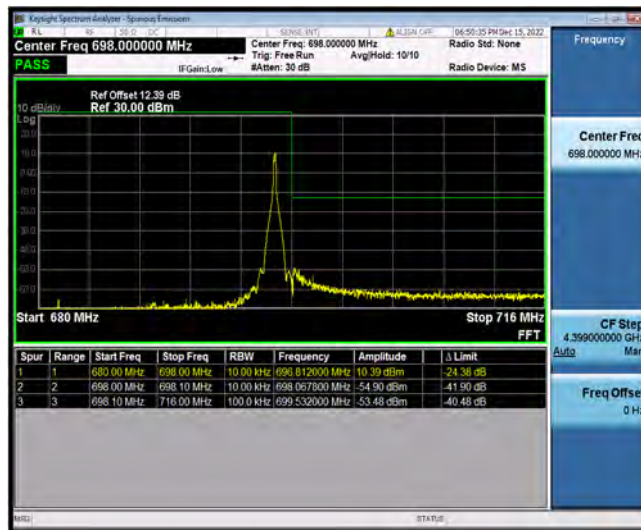
N71-15MHz-QPSK-134100-1RB#0



N71-15MHz-QPSK-134100-75RB#0



N71-15MHz-QPSK-138100-1RB#74



N71-15MHz-QPSK-138100-75RB#0



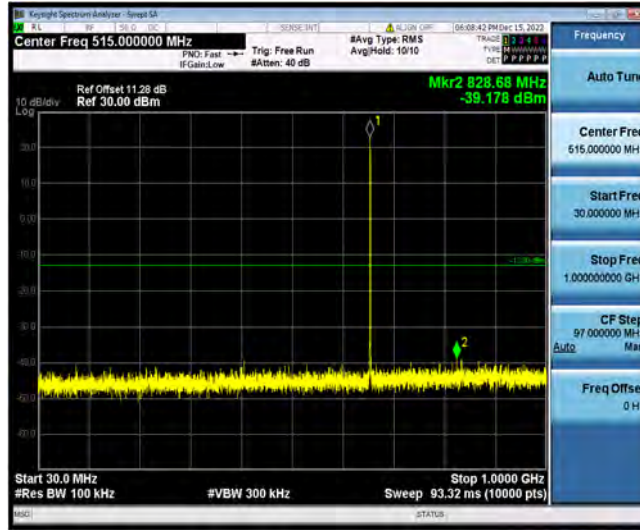
Conducted Spurious Emission

Test Result

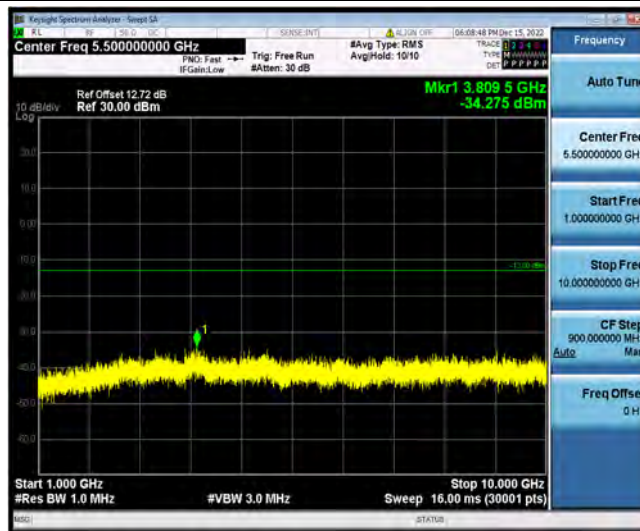
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
N71	5MHz	QPSK	133100	1RB#0	Range1:30~1000MHz	-39.18	PASS
N71	5MHz	QPSK	133100	1RB#0	Range2:1000~10000MHz	-34.28	PASS
N71	5MHz	QPSK	136100	1RB#0	Range1:30~1000MHz	-39.26	PASS
N71	5MHz	QPSK	136100	1RB#0	Range2:1000~10000MHz	-34.69	PASS
N71	5MHz	QPSK	133447	1RB#0	Range1:30~1000MHz	-39.76	PASS
N71	5MHz	QPSK	133447	1RB#0	Range2:1000~10000MHz	-34.17	PASS
N71	10MHz	QPSK	133600	1RB#0	Range1:30~1000MHz	-38.99	PASS
N71	10MHz	QPSK	133600	1RB#0	Range2:1000~10000MHz	-34.28	PASS
N71	10MHz	QPSK	136100	1RB#0	Range1:30~1000MHz	-38.72	PASS
N71	10MHz	QPSK	136100	1RB#0	Range2:1000~10000MHz	-34.75	PASS
N71	10MHz	QPSK	138600	1RB#0	Range1:30~1000MHz	-39.33	PASS
N71	10MHz	QPSK	138600	1RB#0	Range2:1000~10000MHz	-34.68	PASS
N71	15MHz	QPSK	134100	1RB#0	Range1:30~1000MHz	-39.45	PASS
N71	15MHz	QPSK	134100	1RB#0	Range2:1000~10000MHz	-34.65	PASS
N71	15MHz	QPSK	136100	1RB#0	Range1:30~1000MHz	-39.93	PASS
N71	15MHz	QPSK	136100	1RB#0	Range2:1000~10000MHz	-34.16	PASS
N71	15MHz	QPSK	138100	1RB#0	Range1:30~1000MHz	-39.28	PASS
N71	15MHz	QPSK	138100	1RB#0	Range2:1000~10000MHz	-33.64	PASS

Test Graphs

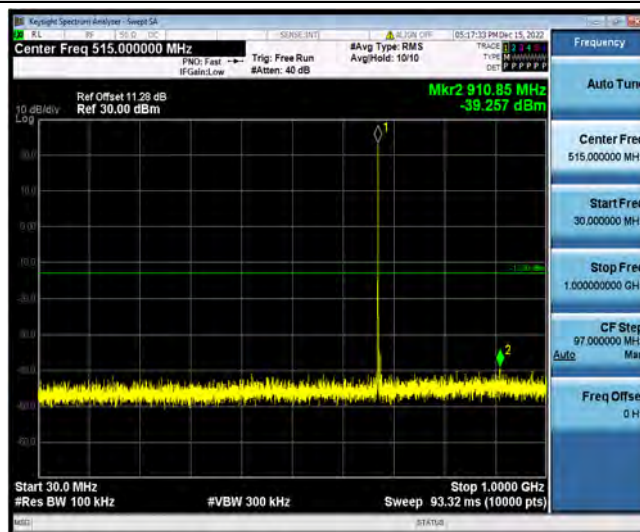
N71-5MHz-QPSK-133100-1RB#0-Range1:30~100MHz



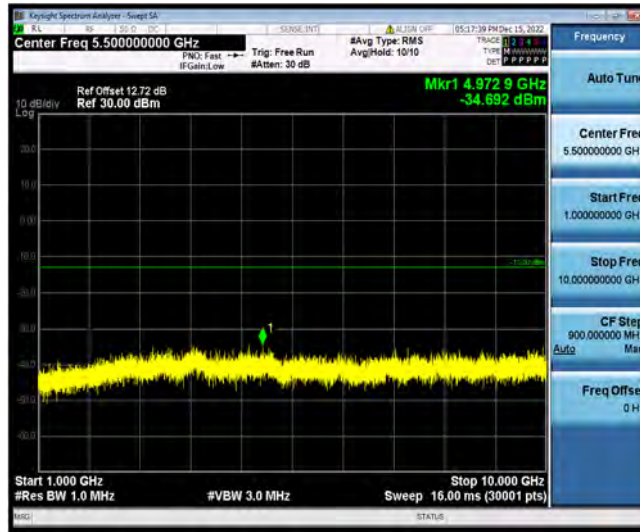
N71-5MHz-QPSK-133100-1RB#0-Range2:1000~10000MHz



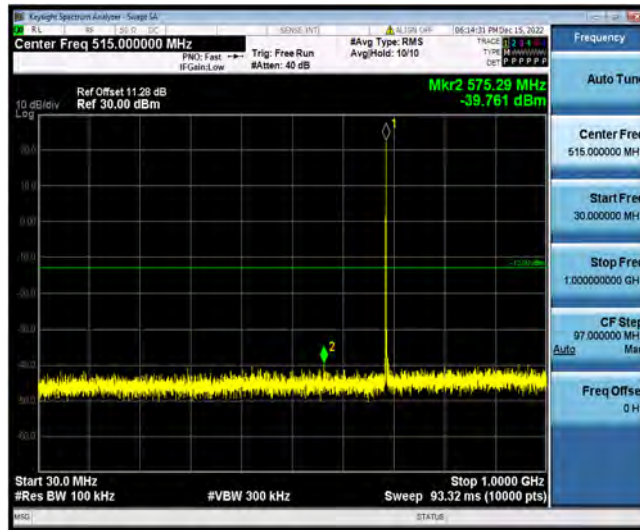
N71-5MHz-QPSK-136100-1RB#0-Range1:30~100MHz



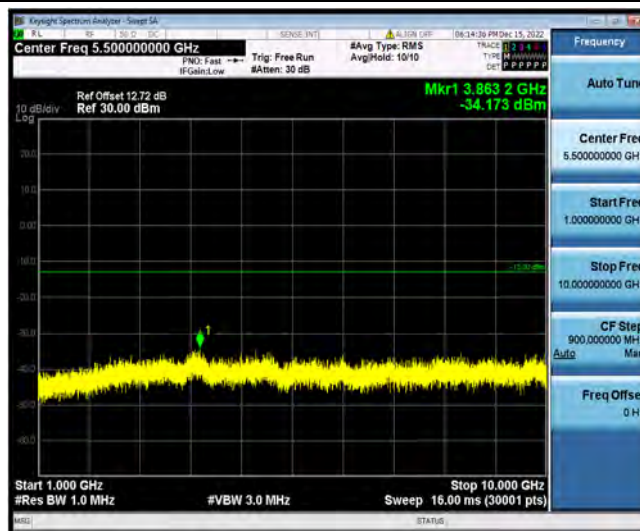
N71-5MHz-QPSK-136100-1RB#0-Range2:1000~10000MHz



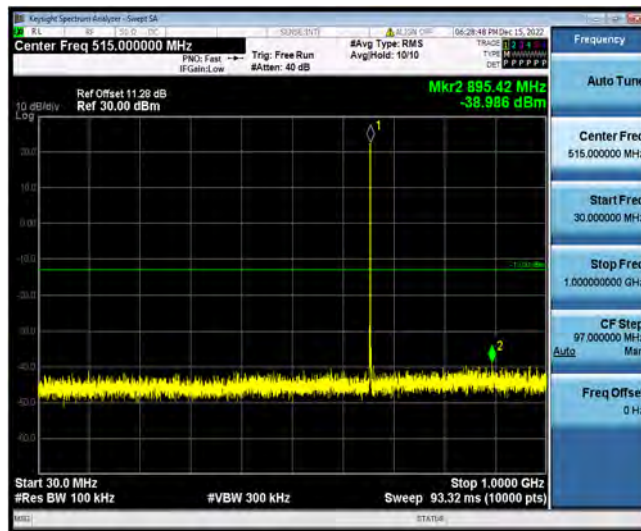
N71-5MHz-QPSK-133447-1RB#0-Range1:30~1000MHz



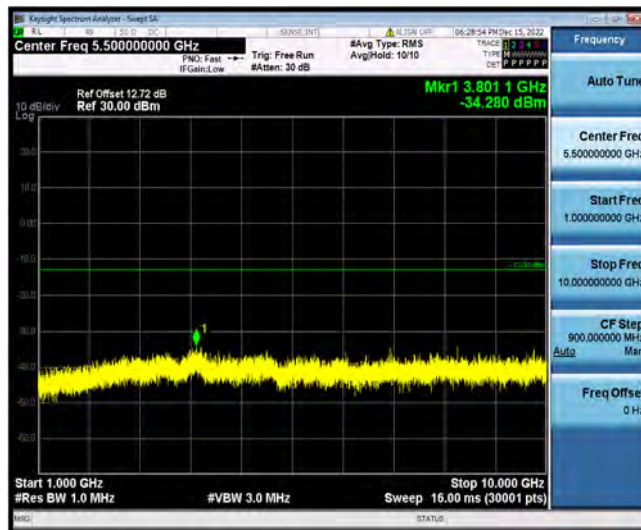
N71-5MHz-QPSK-133447-1RB#0-Range2:1000~10000MHz



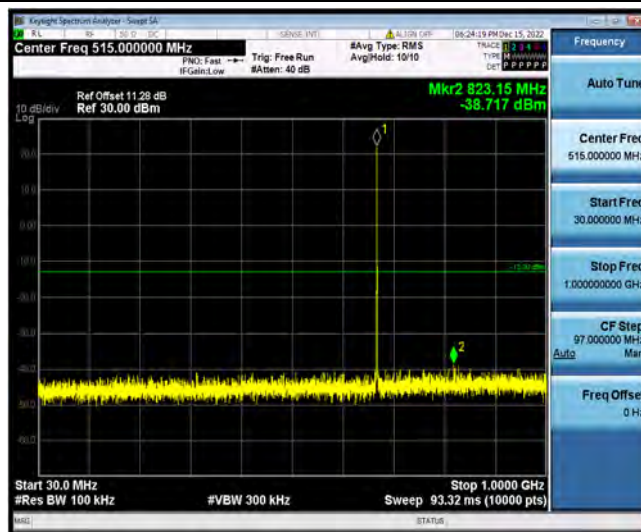
N71-10MHz-QPSK-133600-1RB#0-Range1:30~1000MHz



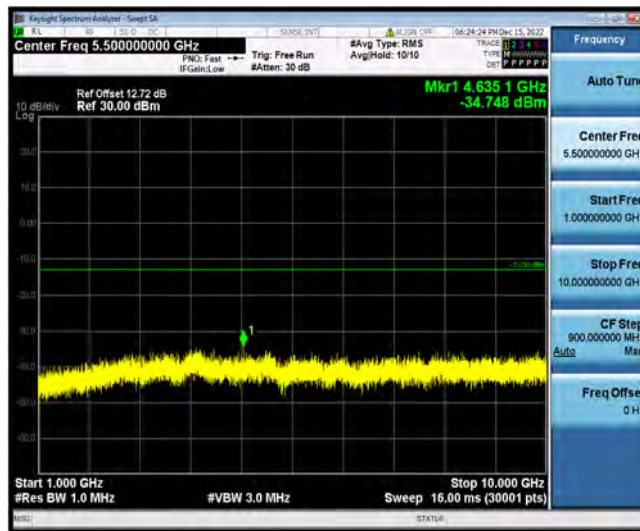
N71-10MHz-QPSK-133600-1RB#0-Range2:1000~10000MHz



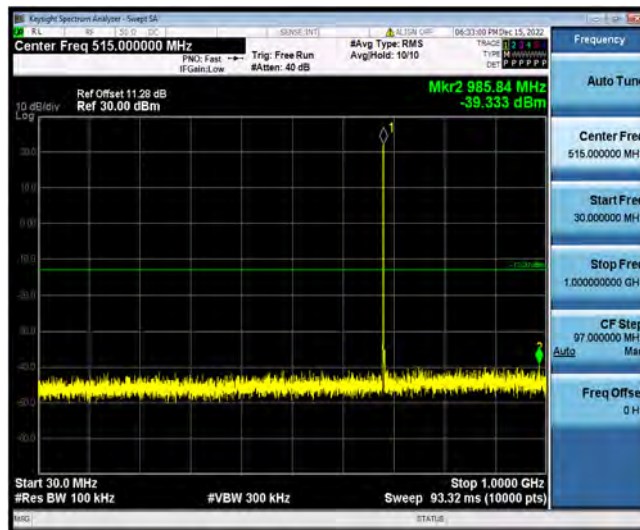
N71-10MHz-QPSK-136100-1RB#0-Range1:30~1000MHz



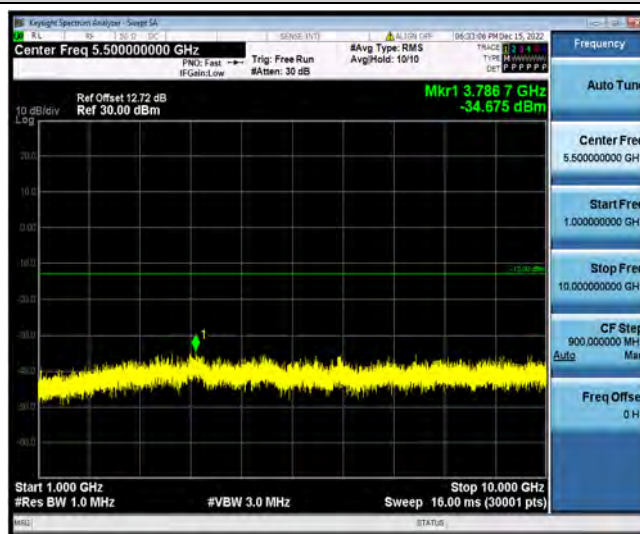
N71-10MHz-QPSK-136100-1RB#0-Range2:1000~10000MHz



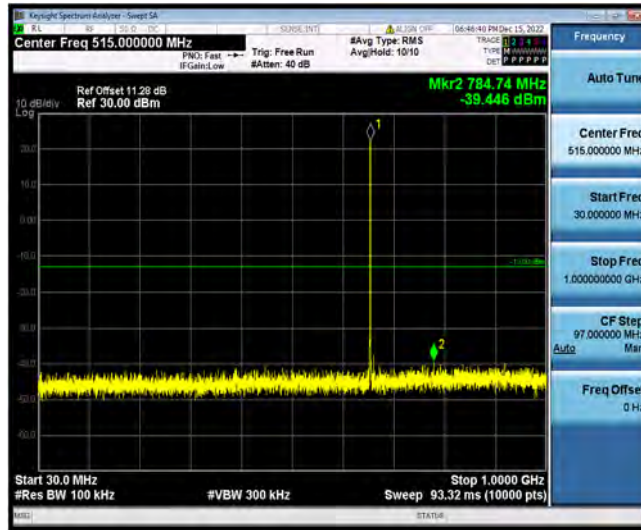
N71-10MHz-QPSK-138600-1RB#0-Range1:30~1000MHz



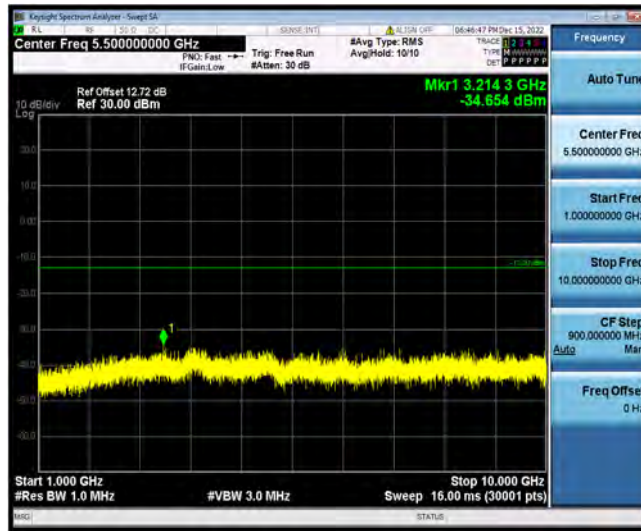
N71-10MHz-QPSK-138600-1RB#0-Range2:1000~10000MHz



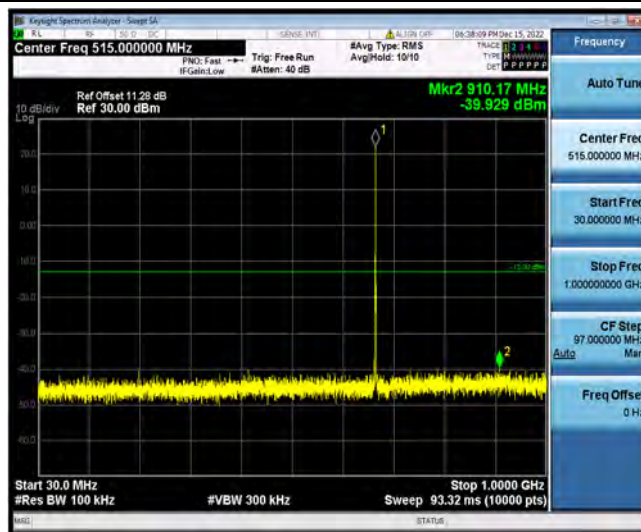
N71-15MHz-QPSK-134100-1RB#0-Range1:30~1000MHz



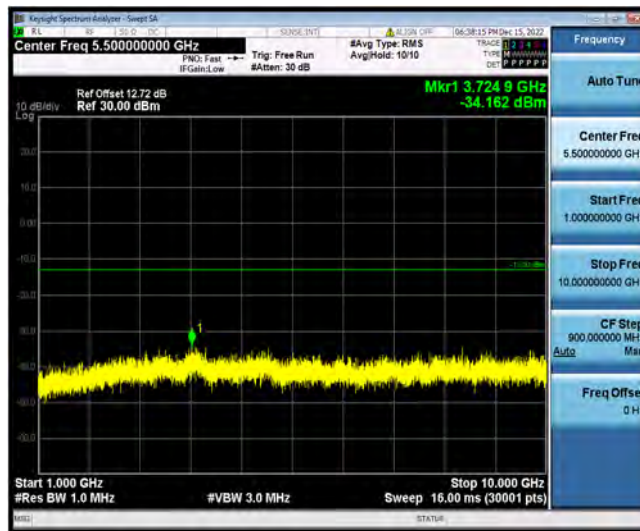
N71-15MHz-QPSK-134100-1RB#0-Range2:1000~10000MHz



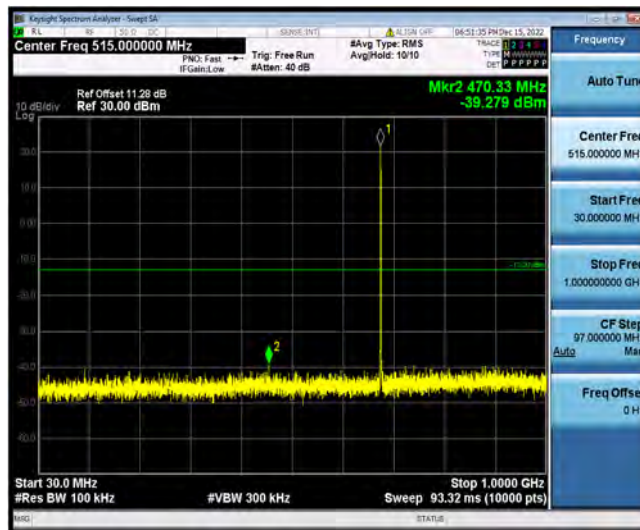
N71-15MHz-QPSK-136100-1RB#0-Range1:30~1000MHz



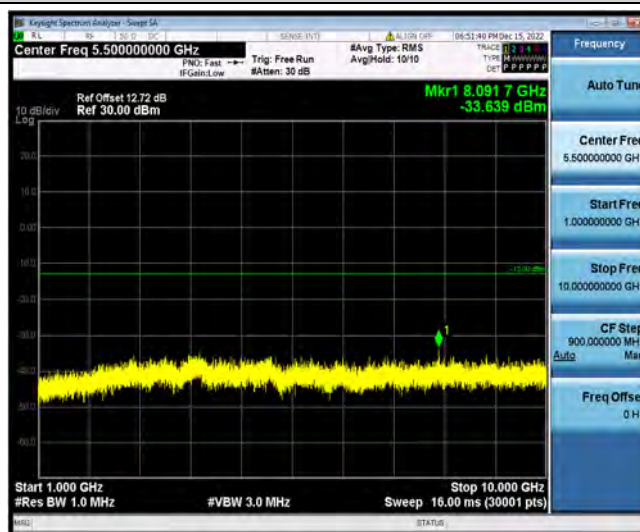
N71-15MHz-QPSK-136100-1RB#0-Range2:1000~10000MHz



N71-15MHz-QPSK-138100-1RB#0-Range1:30~1000MHz



N71-15MHz-QPSK-138100-1RB#0-Range2:1000~10000MHz



Frequency Stability

Test Result

Voltage&Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N71	20MHz	QPSK	136100	50RB#0	VL	NT	15.68	0.023035	±2.5	PASS
N71	20MHz	QPSK	136100	50RB#0	VN	NT	38.43	0.022023	±2.5	PASS
N71	20MHz	QPSK	136100	50RB#0	VH	NT	25.33	0.014514	±2.5	PASS
N71	20MHz	QPSK	136100	50RB#0	NV	-30	43.67	0.025027	±2.5	PASS
N71	20MHz	QPSK	136100	50RB#0	NV	-20	27.67	0.015856	±2.5	PASS
N71	20MHz	QPSK	136100	50RB#0	NV	0	43.46	0.024905	±2.5	PASS
N71	20MHz	QPSK	136100	50RB#0	NV	10	31.50	0.018052	±2.5	PASS
N71	20MHz	QPSK	136100	50RB#0	NV	20	31.35	0.017964	±2.5	PASS
N71	20MHz	QPSK	136100	50RB#0	NV	30	38.14	0.021857	±2.5	PASS
N71	20MHz	QPSK	136100	50RB#0	NV	40	17.89	0.010253	±2.5	PASS
N71	20MHz	QPSK	136100	50RB#0	NV	50	19.10	0.010947	±2.5	PASS

N78A

Peak-to-Average Ratio (CCDF)

Test Result

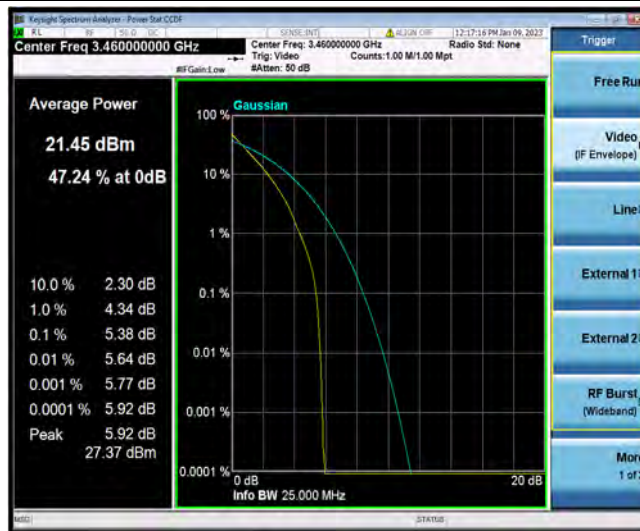
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
N78	20MHz	QPSK	630668	1RB#0	3.90	13	PASS
N78	20MHz	QPSK	630668	50RB#0	5.38	13	PASS
N78	20MHz	QPSK	633334	1RB#0	4.27	13	PASS
N78	20MHz	QPSK	633334	50RB#0	4.62	13	PASS
N78	20MHz	QPSK	636000	1RB#0	4.43	13	PASS
N78	20MHz	QPSK	636000	50RB#0	5.30	13	PASS

Test Graphs

N78-20MHz-QPSK-630668-1RB#0



N78-20MHz-QPSK-630668-50RB#0



N78-20MHz-QPSK-633334-1RB#0

