

N25 (including N2)

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
N25	20MHz	QPSK	372000	1RB#0	4.17	13	PASS
N25	20MHz	QPSK	372000	100RB#0	4.90	13	PASS
N25	20MHz	QPSK	376500	1RB#0	4.01	13	PASS
N25	20MHz	QPSK	376500	100RB#0	4.97	13	PASS
N25	20MHz	QPSK	381000	1RB#0	4.52	13	PASS
N25	20MHz	QPSK	381000	100RB#0	4.83	13	PASS

Test Graphs

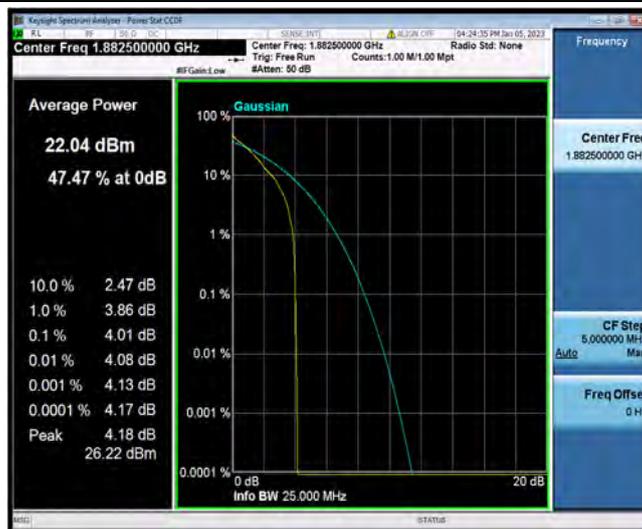
N25-20MHz-QPSK-372000-1RB#0



N25-20MHz-QPSK-372000-100RB#0



N25-20MHz-QPSK-376500-1RB#0



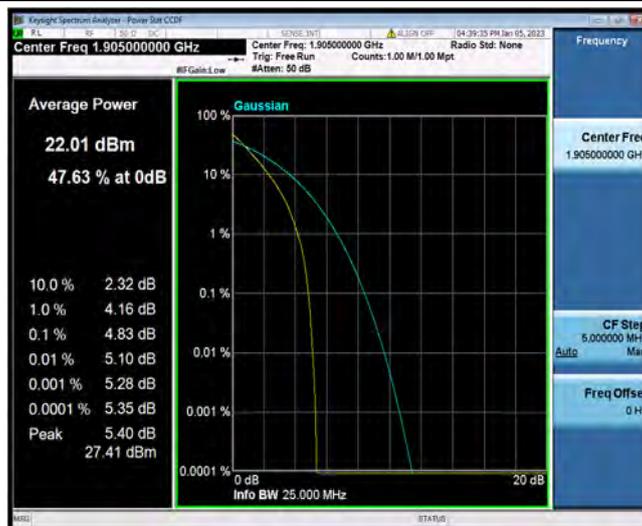
N25-20MHz-QPSK-376500-100RB#0



N25-20MHz-QPSK-381000-1RB#0



N25-20MHz-QPSK-381000-100RB#0



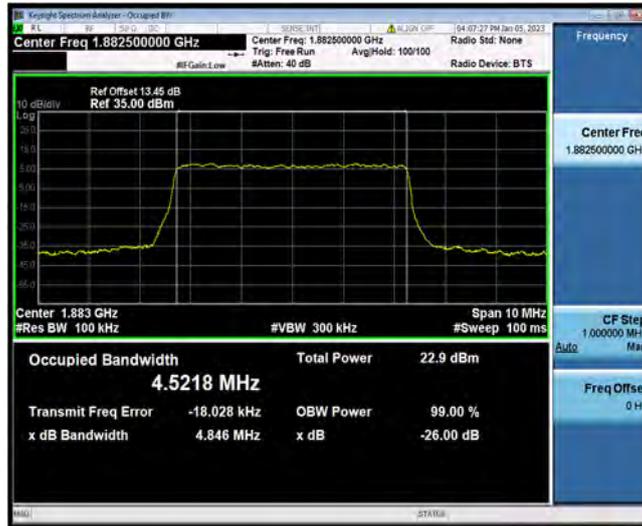
26dB Bandwidth and Occupied Bandwidth

Test Result

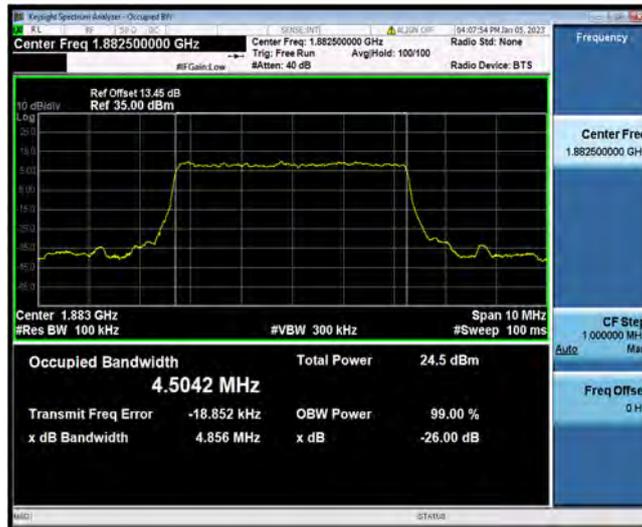
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
N25	5MHz	QPSK	376500	25RB#0	4.5218	4.846	PASS
N25	5MHz	16QAM	376500	25RB#0	4.5042	4.856	PASS
N25	5MHz	64QAM	376500	25RB#0	4.4869	4.802	PASS
N25	5MHz	256QAM	376500	25RB#0	4.5084	4.855	PASS
N25	5MHz	BPSK	376500	25RB#0	4.4913	4.826	PASS
N25	10MHz	QPSK	376500	50RB#0	8.9803	9.489	PASS
N25	10MHz	16QAM	376500	50RB#0	9.0012	9.519	PASS
N25	10MHz	64QAM	376500	50RB#0	8.9901	9.529	PASS
N25	10MHz	BPSK	376500	50RB#0	8.9843	9.500	PASS
N25	10MHz	256QAM	376500	50RB#0	8.9707	9.491	PASS
N25	15MHz	QPSK	376500	75RB#0	13.470	14.23	PASS
N25	15MHz	16QAM	376500	75RB#0	13.463	14.24	PASS
N25	15MHz	64QAM	376500	75RB#0	13.455	14.22	PASS
N25	15MHz	BPSK	376500	75RB#0	13.459	14.23	PASS
N25	15MHz	256QAM	376500	75RB#0	13.482	14.24	PASS
N25	20MHz	QPSK	376500	100RB#0	17.927	18.94	PASS
N25	20MHz	16QAM	376500	100RB#0	17.921	18.92	PASS
N25	20MHz	64QAM	376500	100RB#0	17.922	18.94	PASS
N25	20MHz	256QAM	376500	100RB#0	17.907	18.92	PASS
N25	20MHz	BPSK	376500	100RB#0	17.906	18.93	PASS
N25	25MHz	QPSK	376500	128RB#0	22.821	23.68	PASS
N25	25MHz	16QAM	376500	128RB#0	22.837	23.68	PASS
N25	25MHz	64QAM	376500	128RB#0	22.841	23.68	PASS
N25	25MHz	BPSK	376500	128RB#0	22.845	23.68	PASS
N25	25MHz	256QAM	376500	128RB#0	22.838	23.68	PASS
N25	30MHz	QPSK	376500	160RB#0	28.511	29.56	PASS
N25	30MHz	16QAM	376500	160RB#0	28.518	29.55	PASS
N25	30MHz	64QAM	376500	160RB#0	28.506	29.56	PASS
N25	30MHz	256QAM	376500	160RB#0	28.510	29.56	PASS
N25	30MHz	BPSK	376500	160RB#0	28.518	29.56	PASS
N25	40MHz	QPSK	376500	216RB#0	38.537	39.89	PASS
N25	40MHz	16QAM	376500	216RB#0	38.542	39.87	PASS
N25	40MHz	64QAM	376500	216RB#0	38.537	39.87	PASS
N25	40MHz	256QAM	376500	216RB#0	38.533	39.86	PASS
N25	40MHz	BPSK	376500	216RB#0	38.533	39.85	PASS

Test Graphs

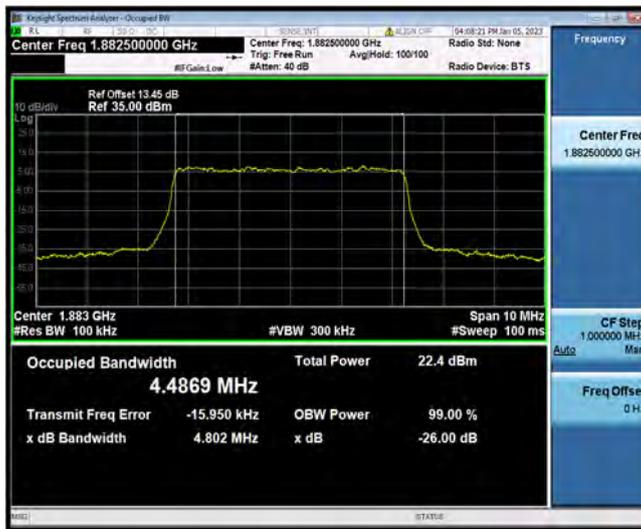
N25-5MHz-QPSK-376500-25RB#0



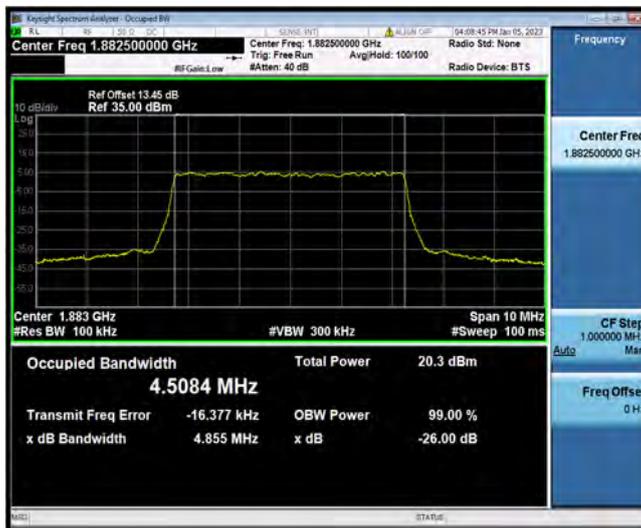
N25-5MHz-16QAM-376500-25RB#0



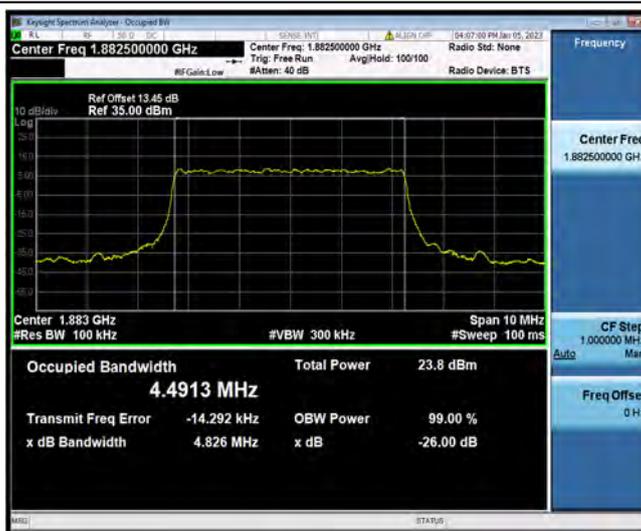
N25-5MHz-64QAM-376500-25RB#0



N25-5MHz-256QAM-376500-25RB#0



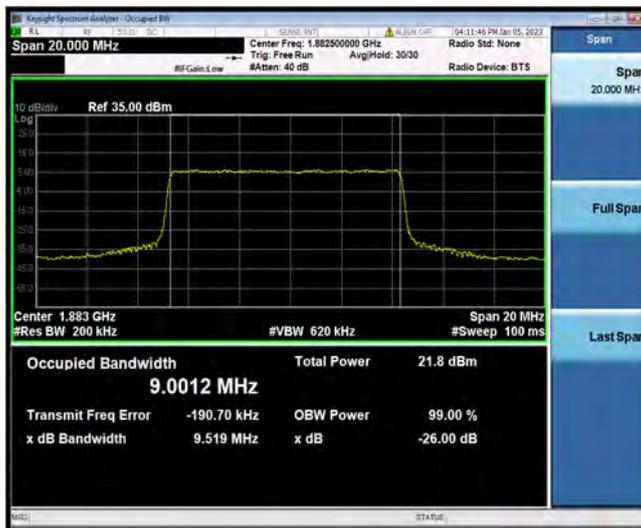
N25-5MHz-BPSK-376500-25RB#0



N25-10MHz-QPSK-376500-50RB#0



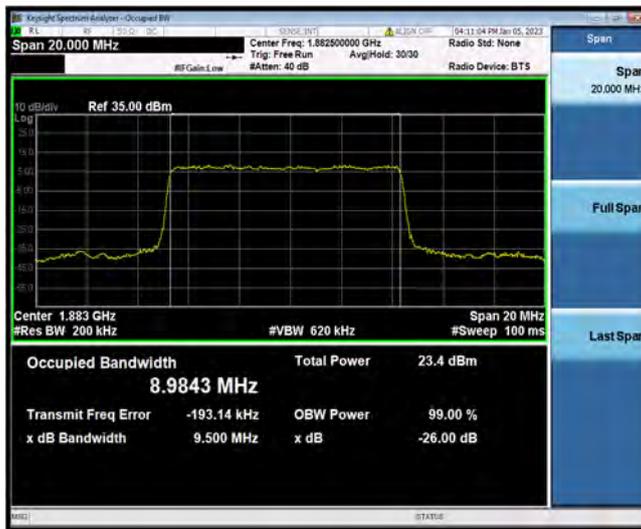
N25-10MHz-16QAM-376500-50RB#0



N25-10MHz-64QAM-376500-50RB#0



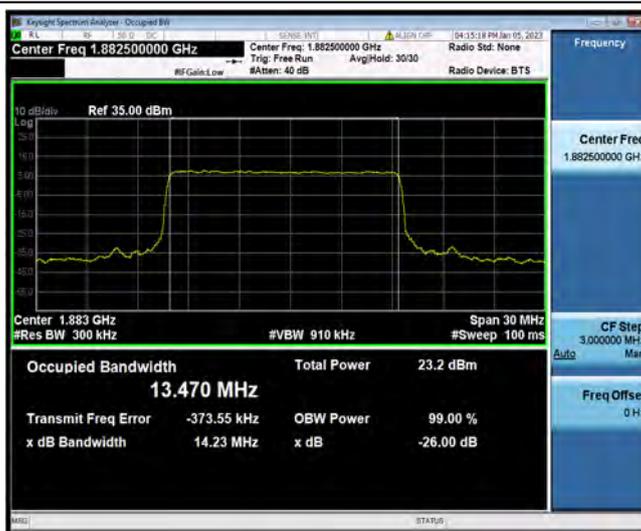
N25-10MHz-BPSK-376500-50RB#0



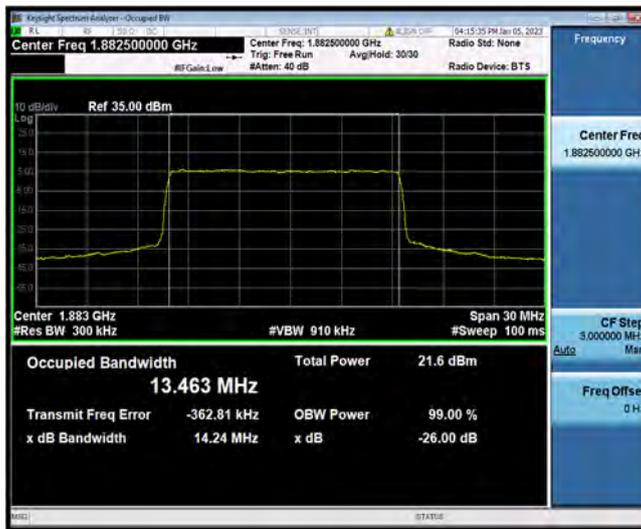
N25-10MHz-256QAM-376500-50RB#0



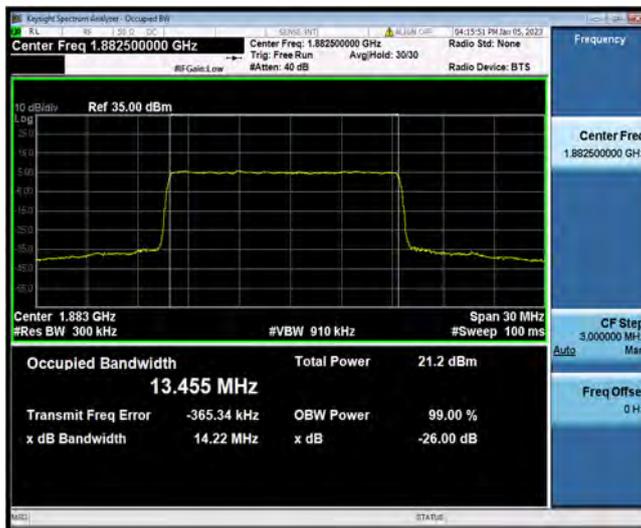
N25-15MHz-QPSK-376500-75RB#0



N25-15MHz-16QAM-376500-75RB#0



N25-15MHz-64QAM-376500-75RB#0



N25-15MHz-BPSK-376500-75RB#0



N25-15MHz-256QAM-376500-75RB#0



N25-20MHz-QPSK-376500-100RB#0



N25-20MHz-16QAM-376500-100RB#0



N25-20MHz-64QAM-376500-100RB#0



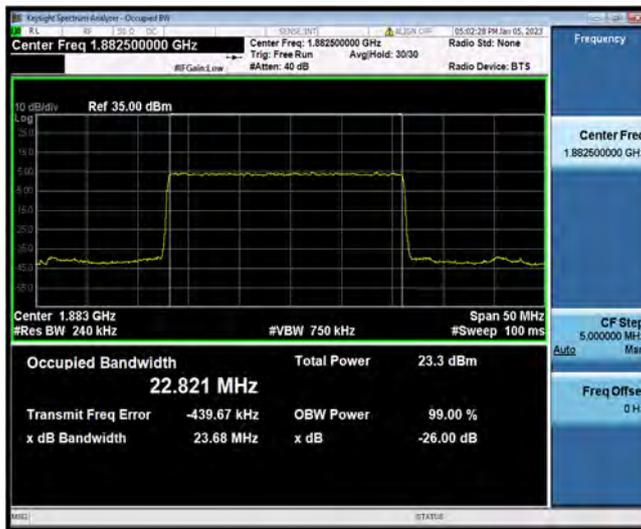
N25-20MHz-256QAM-376500-100RB#0



N25-20MHz-BPSK-376500-100RB#0



N25-25MHz-QPSK-376500-128RB#0



N25-25MHz-16QAM-376500-128RB#0



N25-25MHz-64QAM-376500-128RB#0



N25-25MHz-BPSK-376500-128RB#0



N25-25MHz-256QAM-376500-128RB#0



N25-30MHz-QPSK-376500-160RB#0



N25-30MHz-16QAM-376500-160RB#0



N25-30MHz-64QAM-376500-160RB#0



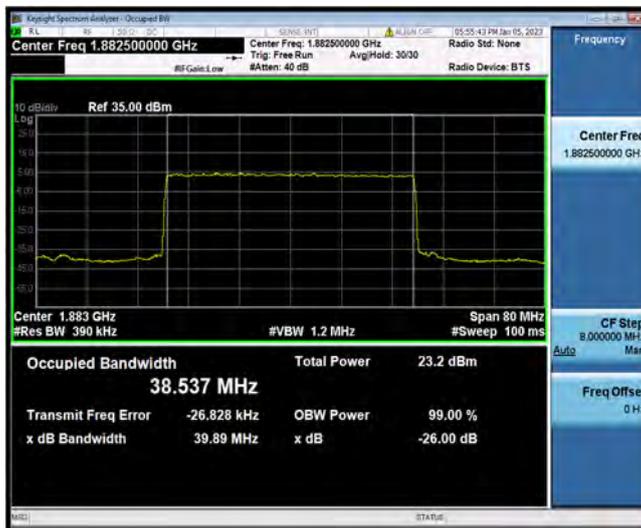
N25-30MHz-256QAM-376500-160RB#0



N25-30MHz-BPSK-376500-160RB#0



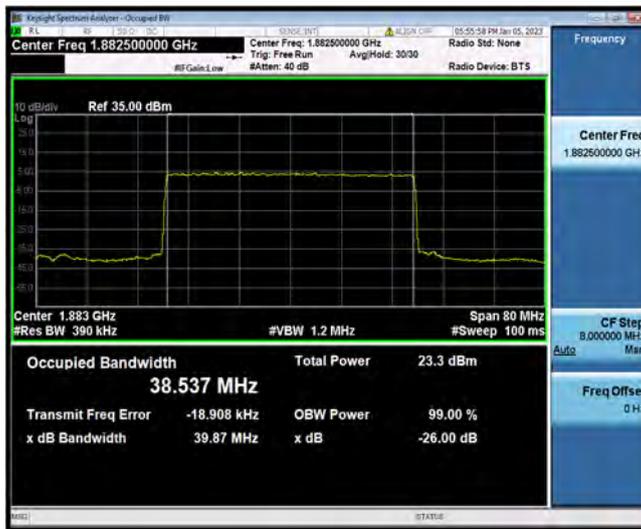
N25-40MHz-QPSK-376500-216RB#0



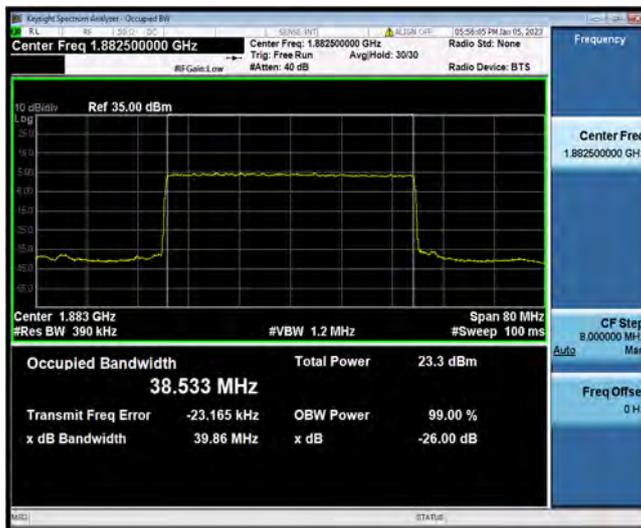
N25-40MHz-16QAM-376500-216RB#0



N25-40MHz-64QAM-376500-216RB#0



N25-40MHz-256QAM-376500-216RB#0



N25-40MHz-BPSK-376500-216RB#0



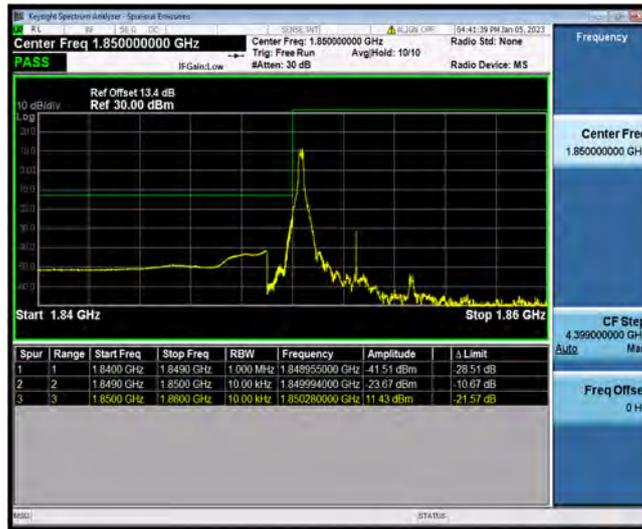
Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
N25	5MHz	QPSK	370500	1RB#0	-41.51,- 23.67	PASS
N25	5MHz	QPSK	370500	25RB#0	-34.75,- 34.73	PASS
N25	5MHz	QPSK	382500	1RB#24	-26.85,- 39.88	PASS
N25	5MHz	QPSK	382500	25RB#0	-32.21,- 29.27	PASS
N25	20MHz	QPSK	372000	1RB#0	-49.29,- 63.14	PASS
N25	20MHz	QPSK	372000	100RB#0	-38.42,- 38.26	PASS
N25	20MHz	QPSK	381000	1RB#99	-34.82,- 41.94	PASS
N25	20MHz	QPSK	381000	100RB#0	-39.12,- 36.38	PASS
N25	40MHz	QPSK	374000	1RB#0	-42.78,- 37.34	PASS
N25	40MHz	QPSK	374000	216RB#0	-40.00,- 42.74	PASS
N25	40MHz	QPSK	379000	1RB#214	-48.72,- 40.70	PASS
N25	40MHz	QPSK	379000	216RB#0	-37.99,- 36.01	PASS

Test Graphs

N25-5MHz-QPSK-370500-1RB#0



N25-5MHz-QPSK-370500-25RB#0



N25-5MHz-QPSK-382500-1RB#24



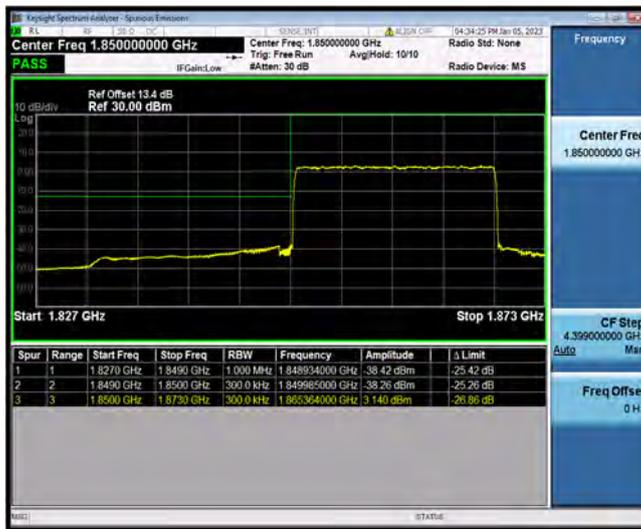
N25-5MHz-QPSK-382500-25RB#0



N25-20MHz-QPSK-372000-1RB#0



N25-20MHz-QPSK-372000-100RB#0



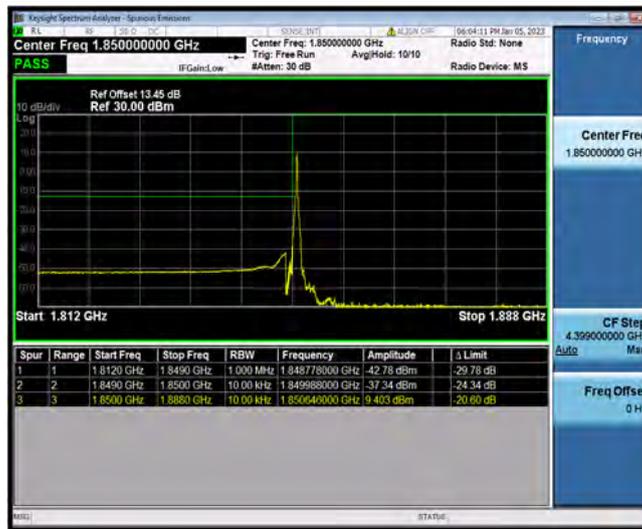
N25-20MHz-QPSK-381000-1RB#99



N25-20MHz-QPSK-381000-100RB#0



N25-40MHz-QPSK-374000-1RB#0



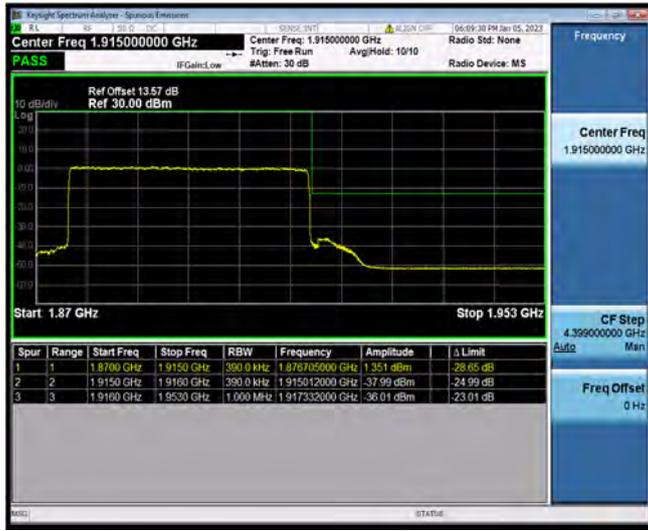
N25-40MHz-QPSK-374000-216RB#0



N25-40MHz-QPSK-379000-1RB#214



N25-40MHz-QPSK-379000-216RB#0



Conducted Spurious Emission

Test Result

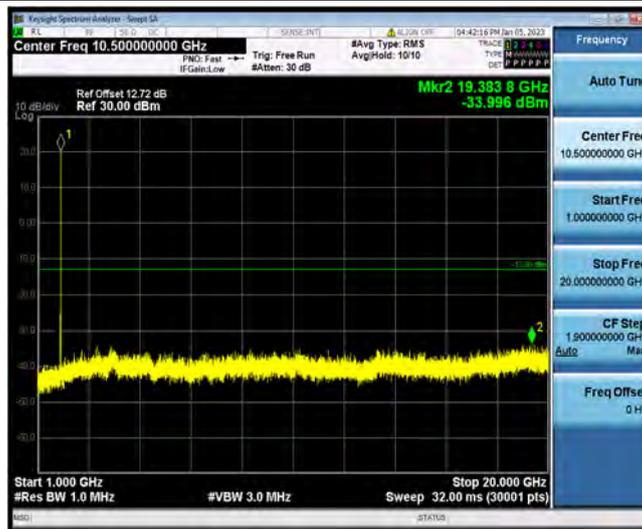
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
N25	5MHz	QPSK	370500	1RB#0	Range1:30~1000MHz	-30.96	PASS
N25	5MHz	QPSK	370500	1RB#0	Range2:1000~20000MHz	-34	PASS
N25	5MHz	QPSK	376500	1RB#0	Range1:30~1000MHz	-30.48	PASS
N25	5MHz	QPSK	376500	1RB#0	Range2:1000~20000MHz	-33.63	PASS
N25	5MHz	QPSK	382500	1RB#0	Range1:30~1000MHz	-30.43	PASS
N25	5MHz	QPSK	382500	1RB#0	Range2:1000~20000MHz	-33.81	PASS
N25	20MHz	QPSK	372000	1RB#0	Range1:30~1000MHz	-30.88	PASS
N25	20MHz	QPSK	372000	1RB#0	Range2:1000~20000MHz	-34	PASS
N25	20MHz	QPSK	376500	1RB#0	Range1:30~1000MHz	-29.92	PASS
N25	20MHz	QPSK	376500	1RB#0	Range2:1000~20000MHz	-33.61	PASS
N25	20MHz	QPSK	381000	1RB#0	Range1:30~1000MHz	-30.69	PASS
N25	20MHz	QPSK	381000	1RB#0	Range2:1000~20000MHz	-33.79	PASS
N25	40MHz	QPSK	374000	1RB#0	Range1:30~1000MHz	-29.92	PASS
N25	40MHz	QPSK	374000	1RB#0	Range2:1000~20000MHz	-33.67	PASS
N25	40MHz	QPSK	376500	1RB#0	Range1:30~1000MHz	-30.91	PASS
N25	40MHz	QPSK	376500	1RB#0	Range2:1000~20000MHz	-33.76	PASS
N25	40MHz	QPSK	379000	1RB#0	Range1:30~1000MHz	-30.58	PASS
N25	40MHz	QPSK	379000	1RB#0	Range2:1000~20000MHz	-33.76	PASS

Test Graphs

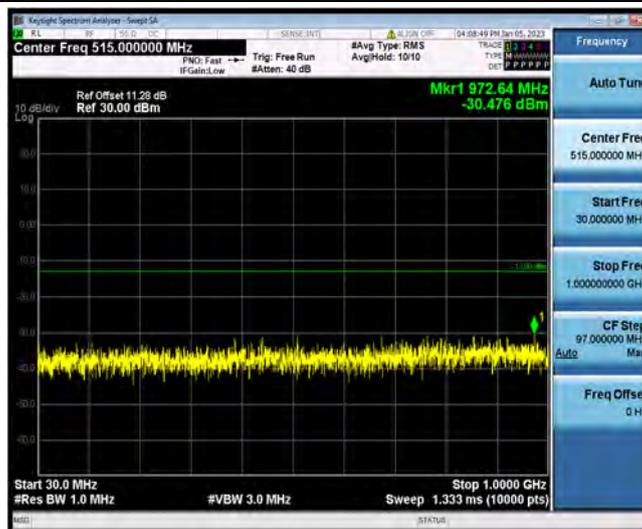
N25-5MHz-QPSK-370500-1RB#0-Range1:30~100MHz



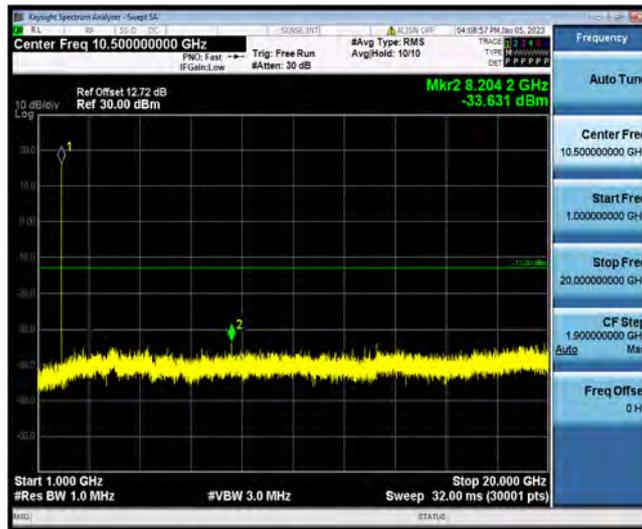
N25-5MHz-QPSK-370500-1RB#0-Range2:1000~20000MHz



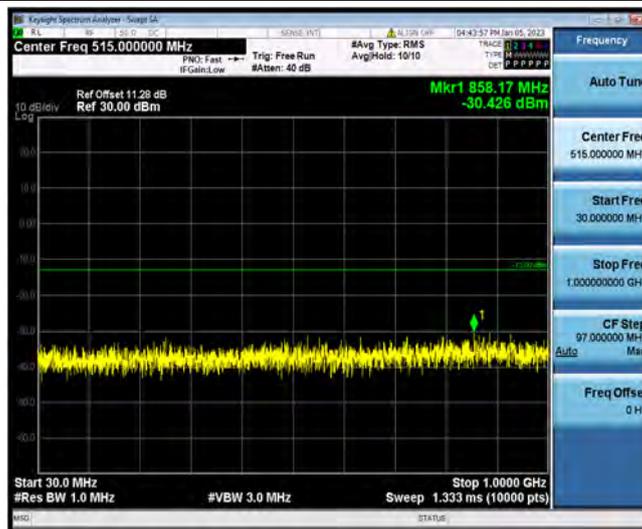
N25-5MHz-QPSK-376500-1RB#0-Range1:30~100MHz



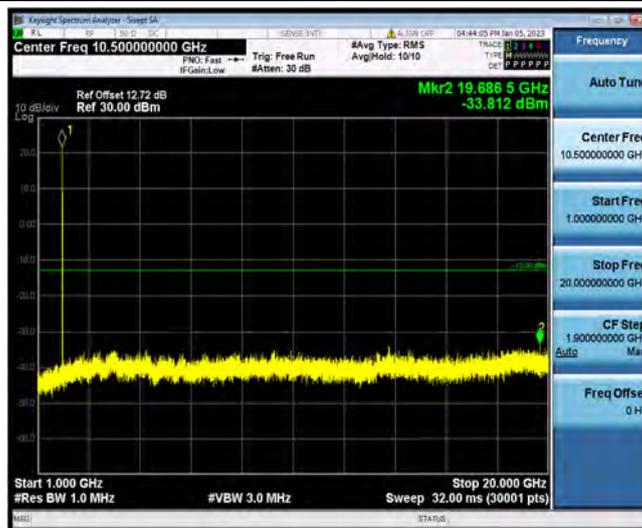
N25-5MHz-QPSK-376500-1RB#0-Range2:1000~2000MHz



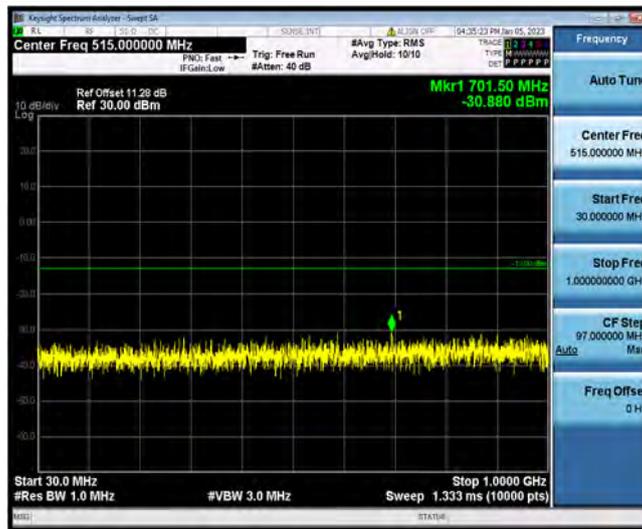
N25-5MHz-QPSK-382500-1RB#0-Range1:30~100MHz



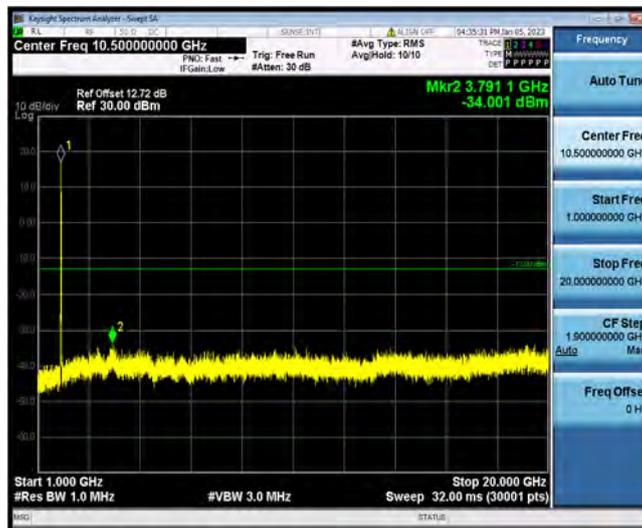
N25-5MHz-QPSK-382500-1RB#0-Range2:1000~2000MHz



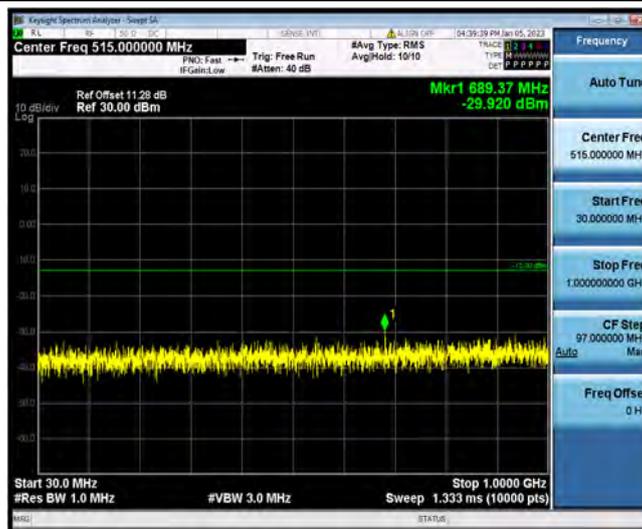
N25-20MHz-QPSK-372000-1RB#0-Range1:30~100MHz



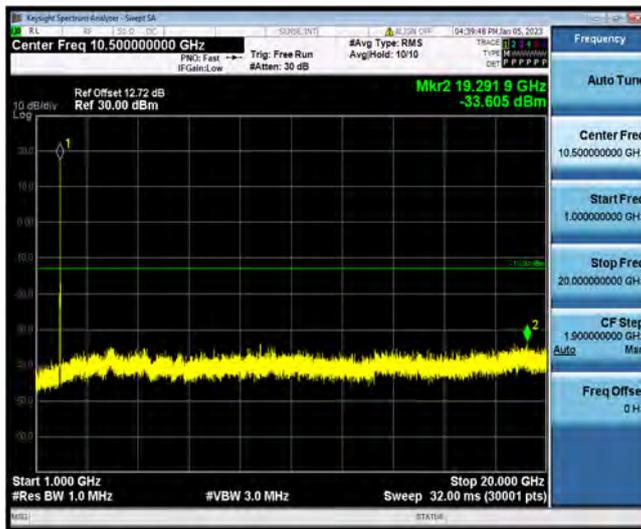
N25-20MHz-QPSK-372000-1RB#0-Range2:1000~20000MHz



N25-20MHz-QPSK-376500-1RB#0-Range1:30~1000MHz



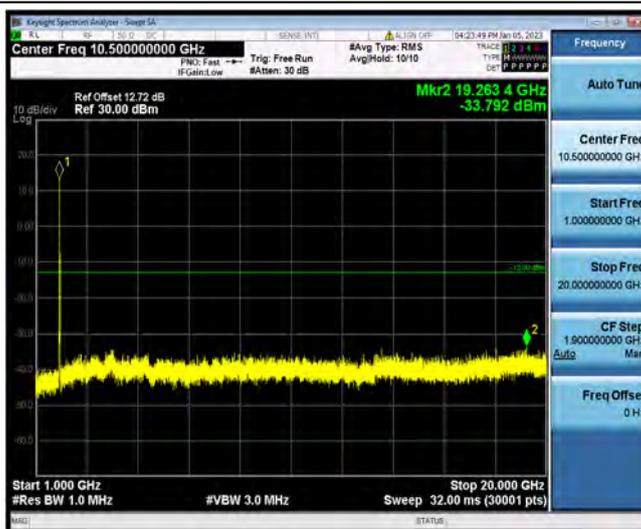
N25-20MHz-QPSK-376500-1RB#0-Range2:1000~20000MHz



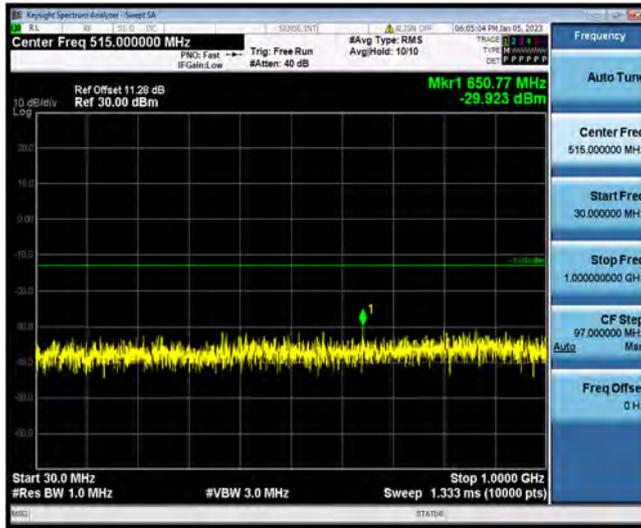
N25-20MHz-QPSK-381000-1RB#0-Range1:30~1000MHz



N25-20MHz-QPSK-381000-1RB#0-Range2:1000~20000MHz



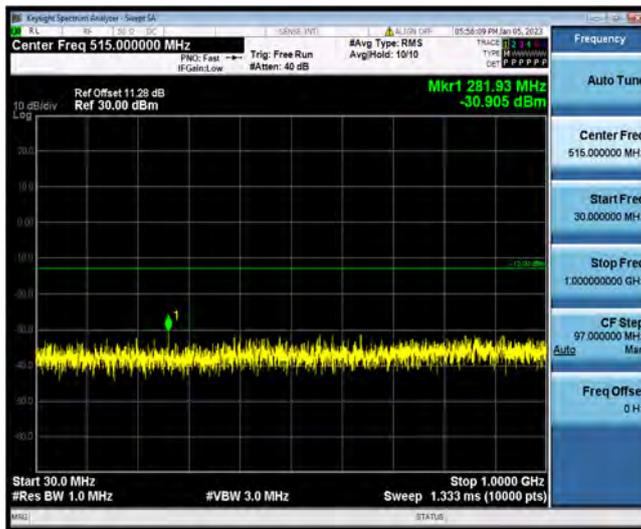
N25-40MHz-QPSK-374000-1RB#0-Range1:30~1000MHz



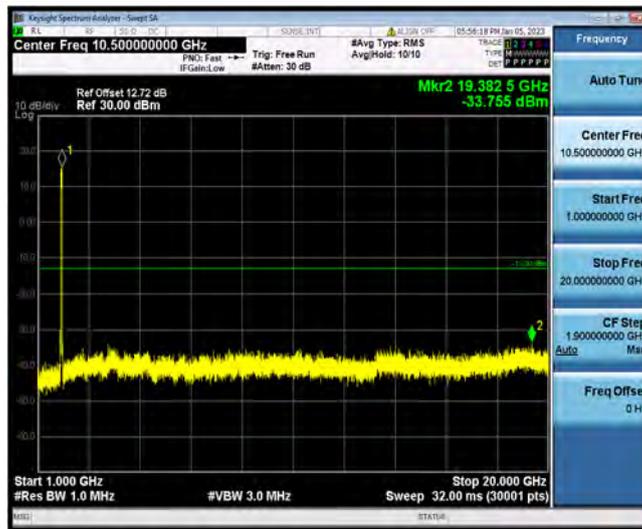
N25-40MHz-QPSK-374000-1RB#0-Range2:1000~20000MHz



N25-40MHz-QPSK-376500-1RB#0-Range1:30~1000MHz



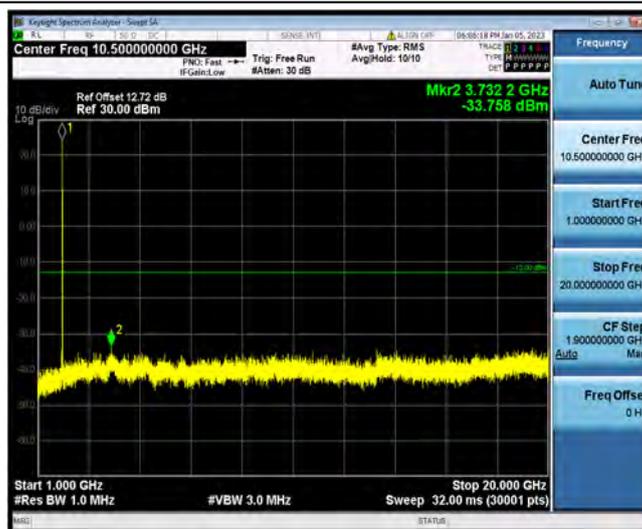
N25-40MHz-QPSK-376500-1RB#0-Range2:1000~20000MHz



N25-40MHz-QPSK-379000-1RB#0-Range1:30~1000MHz



N25-40MHz-QPSK-379000-1RB#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
n25	20MHz	QPSK	376500	100RB#0	VL	NT	-5.80	-0.003083	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	VN	NT	4.44	0.002360	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	VH	NT	2.94	0.001563	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	NV	-30	8.31	0.004414	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	NV	-20	5.94	0.003155	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	NV	0	7.21	0.003829	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	NV	10	5.56	0.002953	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	NV	20	4.57	0.002428	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	NV	30	18.07	0.009598	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	NV	40	3.76	0.002000	±2.5	PASS
n25	20MHz	QPSK	376500	100RB#0	NV	50	7.53	0.004000	±2.5	PASS

N5

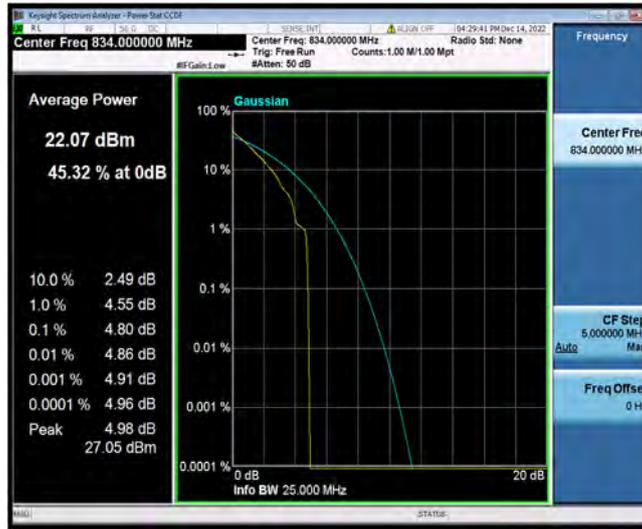
Peak-to-Average Ratio (CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
N5	20MHz	QPSK	166800	1RB#0	4.80	13	PASS
N5	20MHz	QPSK	166800	100RB#0	5.22	13	PASS
N5	20MHz	QPSK	167300	1RB#0	3.96	13	PASS
N5	20MHz	QPSK	167300	100RB#0	5.19	13	PASS
N5	20MHz	QPSK	167800	1RB#0	4.08	13	PASS
N5	20MHz	QPSK	167800	100RB#0	5.27	13	PASS

Test Graphs

N5-20MHz-QPSK-166800-1RB#0



N5-20MHz-QPSK-166800-100RB#0



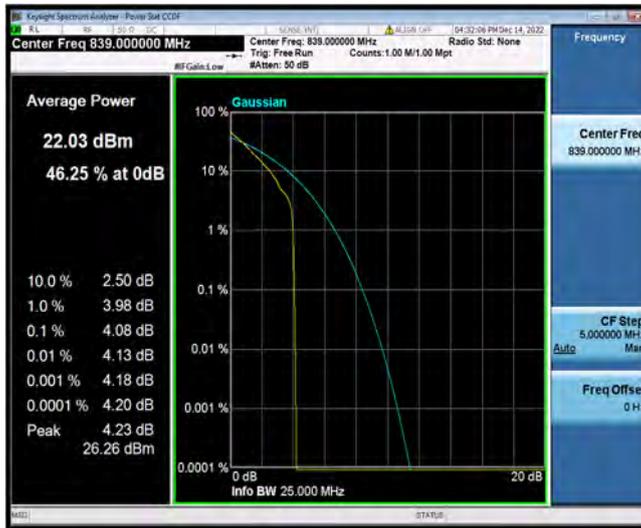
N5-20MHz-QPSK-167300-1RB#0



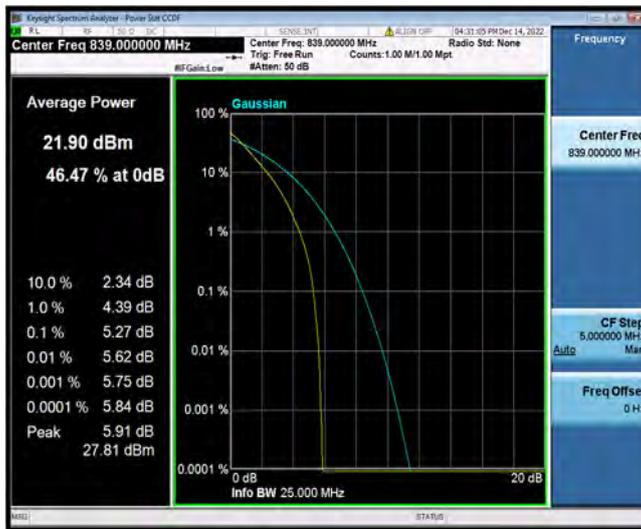
N5-20MHz-QPSK-167300-100RB#0



N5-20MHz-QPSK-167800-1RB#0



N5-20MHz-QPSK-167800-100RB#0



26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
N5	5MHz	QPSK	167300	25RB#0	4.4832	4.834	PASS
N5	5MHz	16QAM	167300	25RB#0	4.4921	4.800	PASS
N5	5MHz	64QAM	167300	25RB#0	4.5041	4.856	PASS
N5	5MHz	256QAM	167300	25RB#0	4.4797	4.794	PASS
N5	5MHz	BPSK	167300	25RB#0	4.4950	4.815	PASS
N5	10MHz	QPSK	167300	50RB#0	8.9772	9.513	PASS
N5	10MHz	16QAM	167300	50RB#0	8.9697	9.507	PASS
N5	10MHz	64QAM	167300	50RB#0	8.9799	9.525	PASS
N5	10MHz	BPSK	167300	50RB#0	8.9598	9.488	PASS
N5	10MHz	256QAM	167300	50RB#0	8.9568	9.482	PASS
N5	15MHz	QPSK	167300	75RB#0	13.436	14.20	PASS
N5	15MHz	16QAM	167300	75RB#0	13.451	14.21	PASS
N5	15MHz	64QAM	167300	75RB#0	13.420	14.20	PASS
N5	15MHz	256QAM	167300	75RB#0	13.445	14.22	PASS
N5	15MHz	BPSK	167300	75RB#0	13.450	14.22	PASS
N5	20MHz	QPSK	166800	100RB#0	17.883	18.92	PASS
N5	20MHz	QPSK	167300	100RB#0	17.901	18.92	PASS
N5	20MHz	QPSK	167800	100RB#0	17.907	18.93	PASS
N5	20MHz	16QAM	167300	100RB#0	17.902	18.92	PASS
N5	20MHz	64QAM	167300	100RB#0	17.896	18.90	PASS
N5	20MHz	BPSK	167300	100RB#0	17.882	18.91	PASS
N5	20MHz	256QAM	167300	100RB#0	17.873	18.90	PASS

Test Graphs

N5-5MHz-QPSK-167300-25RB#0



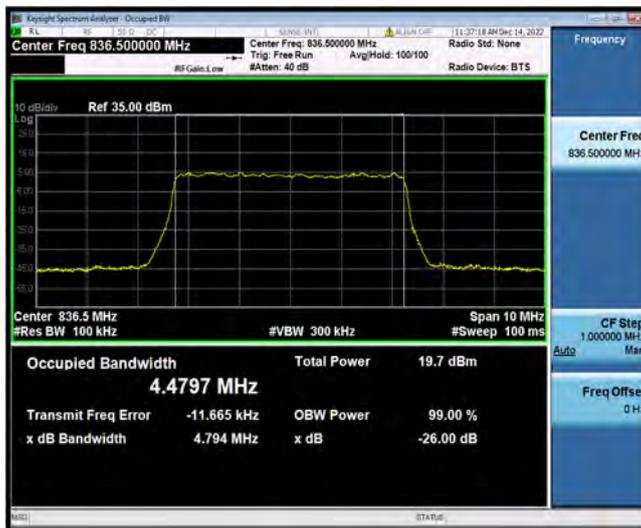
N5-5MHz-16QAM-167300-25RB#0



N5-5MHz-64QAM-167300-25RB#0



N5-5MHz-25QAM-167300-25RB#0



N5-5MHz-BPSK-167300-25RB#0



N5-10MHz-QPSK-167300-50RB#0



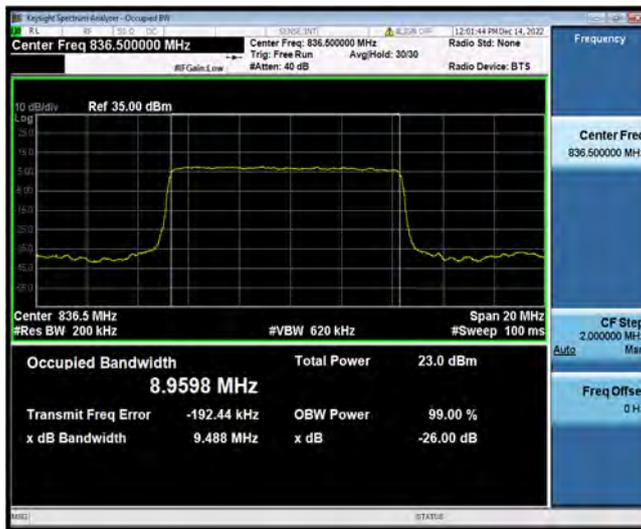
N5-10MHz-16QAM-167300-50RB#0



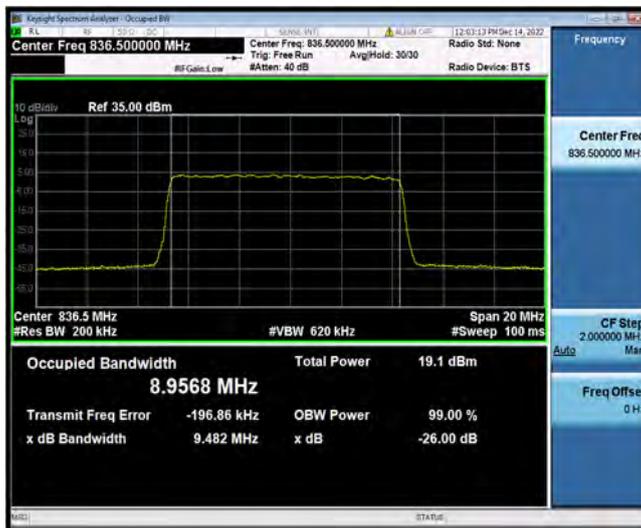
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N5-10MHz-BPSK-167300-50RB#0



N5-10MHz-256QAM-167300-50RB#0



N5-15MHz-QPSK-167300-75RB#0



N5-15MHz-16QAM-167300-75RB#0



N5-15MHz-64QAM-167300-75RB#0



N5-15MHz-256QAM-167300-75RB#0



N5-15MHz-BPSK-167300-75RB#0



N5-20MHz-QPSK-166800-100RB#0



N5-20MHz-QPSK-167300-100RB#0



N5-20MHz-QPSK-167800-100RB#0



N5-20MHz-16QAM-167300-100RB#0



N5-20MHz-64QAM-167300-100RB#0



N5-20MHz-BPSK-167300-100RB#0



N5-20MHz-256QAM-167300-100RB#0



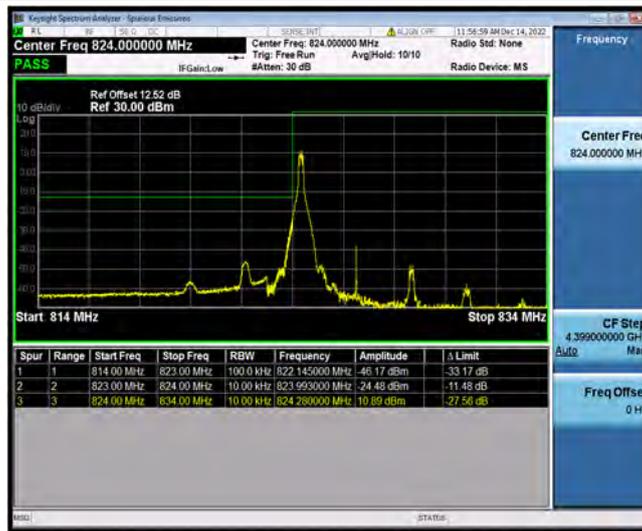
Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
N5	5MHz	QPSK	165300	1RB#0	-46.17,-24.48	PASS
N5	5MHz	QPSK	165300	25RB#0	-39.56,-33.71	PASS
N5	5MHz	QPSK	169300	1RB#24	-25.87,-49.84	PASS
N5	5MHz	QPSK	169300	25RB#0	-32.60,-40.07	PASS
N5	10MHz	QPSK	165800	1RB#0	-53.65,-25.66	PASS
N5	10MHz	QPSK	165800	50RB#0	-42.95,-33.94	PASS
N5	10MHz	QPSK	168800	1RB#49	-68.45,-62.35	PASS
N5	10MHz	QPSK	168800	50RB#0	-34.13,-41.42	PASS
N5	20MHz	QPSK	166800	1RB#0	-61.55,-67.33	PASS
N5	20MHz	QPSK	166800	100RB#0	-43.58,-36.83	PASS
N5	20MHz	QPSK	167800	1RB#99	-68.26,-62.21	PASS
N5	20MHz	QPSK	167800	100RB#0	-38.28,-43.08	PASS

Test Graphs

N5-5MHz-QPSK-165300-1RB#0



N5-5MHz-QPSK-165300-25RB#0



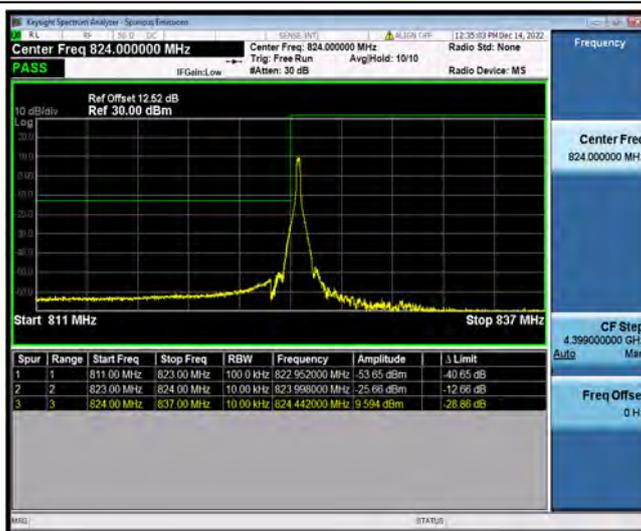
N5-5MHz-QPSK-169300-1RB#24



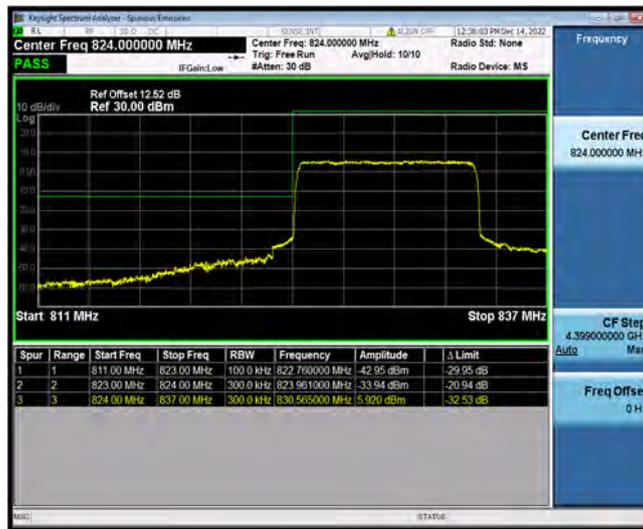
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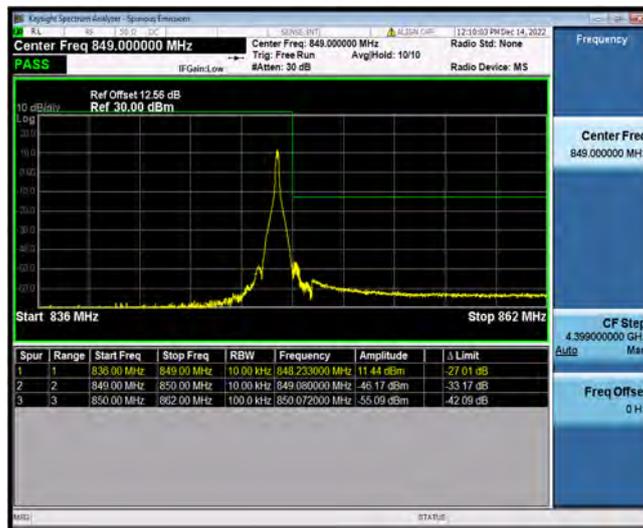
N5-10MHz-QPSK-165800-1RB#0



N5-10MHz-QPSK-165800-50RB#0



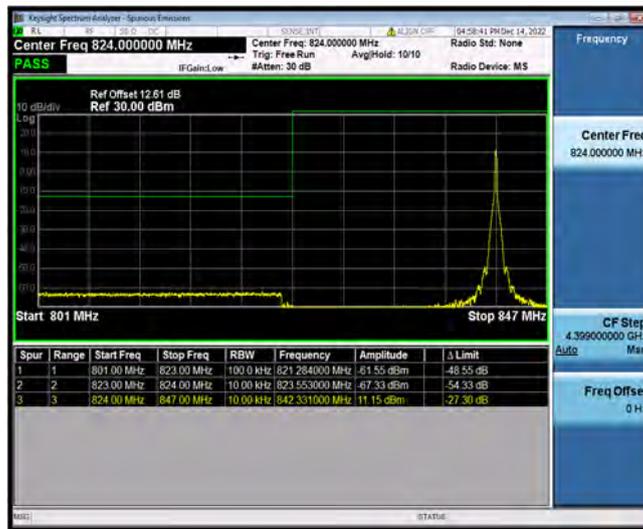
N5-10MHz-QPSK-168800-1RB#49



N5-10MHz-QPSK-168800-50RB#0



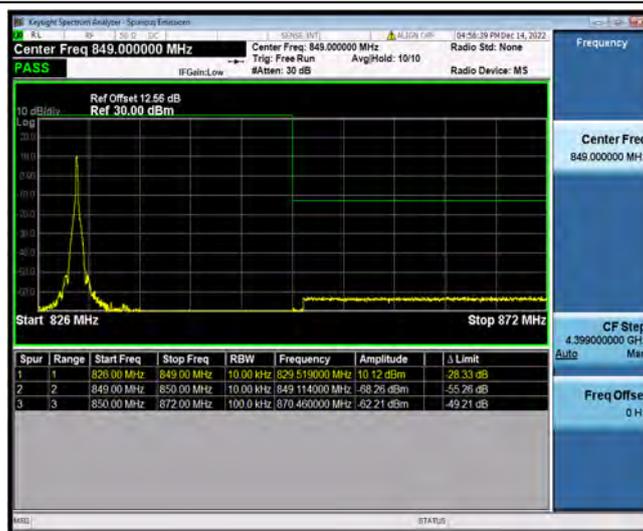
N5-20MHz-QPSK-166800-1RB#0



N5-20MHz-QPSK-166800-100RB#0



N5-20MHz-QPSK-167800-1RB#99



N5-20MHz-QPSK-167800-100RB#0



Conducted Spurious Emission

Test Result

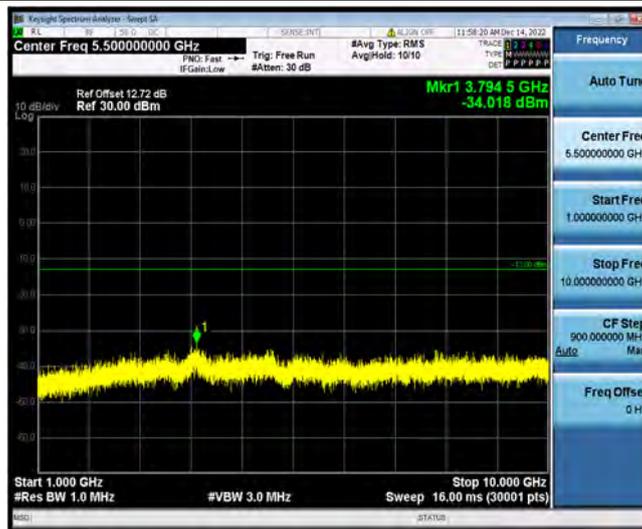
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
N5	5MHz	QPSK	165300	1RB#0	Range1:30~1000MHz	-39.76	PASS
N5	5MHz	QPSK	165300	1RB#0	Range2:1000~10000MHz	-34.02	PASS
N5	5MHz	QPSK	167300	1RB#0	Range1:30~1000MHz	-40.85	PASS
N5	5MHz	QPSK	167300	1RB#0	Range2:1000~10000MHz	-34.37	PASS
N5	5MHz	QPSK	169300	1RB#0	Range1:30~1000MHz	-40.09	PASS
N5	5MHz	QPSK	169300	1RB#0	Range2:1000~10000MHz	-33.85	PASS
N5	10MHz	QPSK	165800	1RB#0	Range1:30~1000MHz	-40.37	PASS
N5	10MHz	QPSK	165800	1RB#0	Range2:1000~10000MHz	-33.79	PASS
N5	10MHz	QPSK	167300	1RB#0	Range1:30~1000MHz	-39.39	PASS
N5	10MHz	QPSK	167300	1RB#0	Range2:1000~10000MHz	-34.41	PASS
N5	10MHz	QPSK	168800	1RB#0	Range1:30~1000MHz	-40.99	PASS
N5	10MHz	QPSK	168800	1RB#0	Range2:1000~10000MHz	-33.46	PASS
N5	20MHz	QPSK	166800	1RB#0	Range1:30~1000MHz	-40.86	PASS
N5	20MHz	QPSK	166800	1RB#0	Range2:1000~10000MHz	-34.23	PASS
N5	20MHz	QPSK	167300	1RB#0	Range1:30~1000MHz	-40.32	PASS
N5	20MHz	QPSK	167300	1RB#0	Range2:1000~10000MHz	-34.45	PASS
N5	20MHz	QPSK	167800	1RB#0	Range1:30~1000MHz	-40.13	PASS
N5	20MHz	QPSK	167800	1RB#0	Range2:1000~10000MHz	-33.35	PASS

Test Graphs

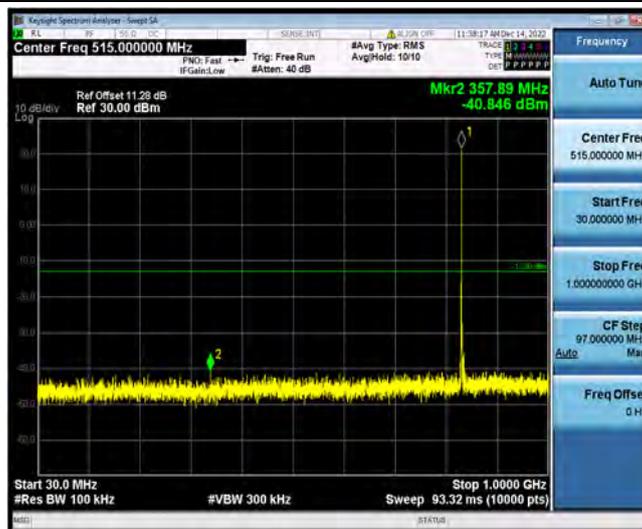
N5-5MHz-QPSK-165300-1RB#0-Range1:30~1000MHz



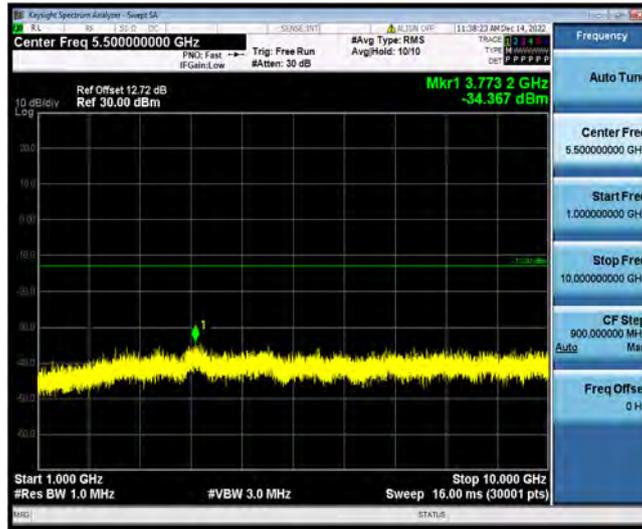
N5-5MHz-QPSK-165300-1RB#0-Range2:1000~10000MHz



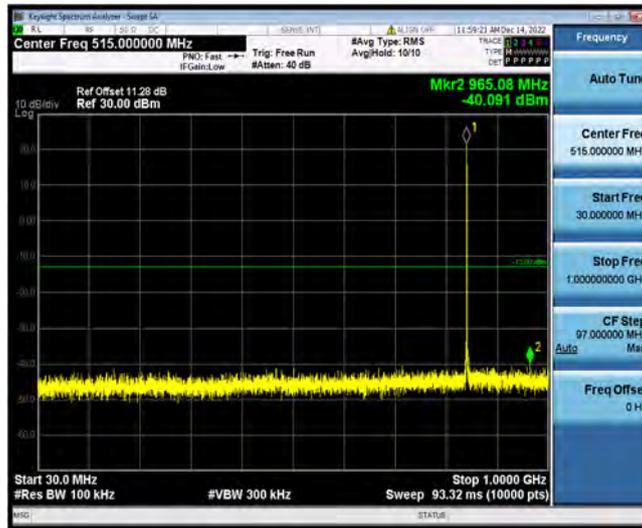
N5-5MHz-QPSK-167300-1RB#0-Range1:30~1000MHz



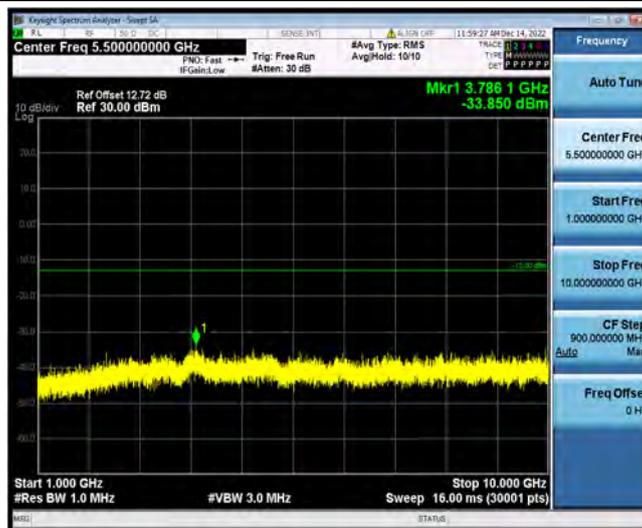
N5-5MHz-QPSK-167300-1RB#0-Range2:1000~10000MHz



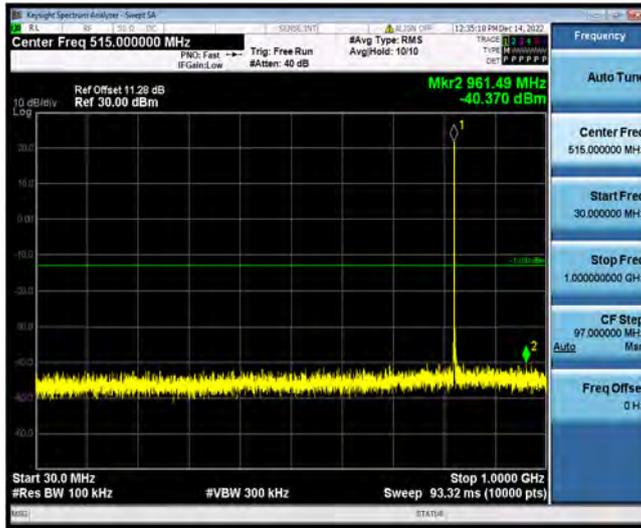
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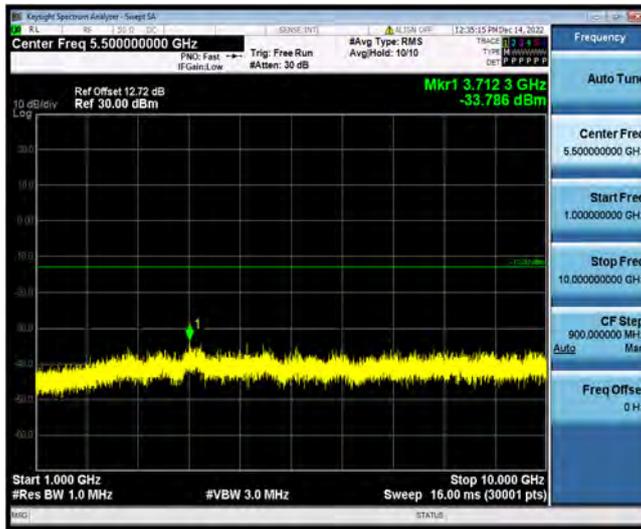
N5-5MHz-QPSK-169300-1RB#0-Range2:1000~10000MHz



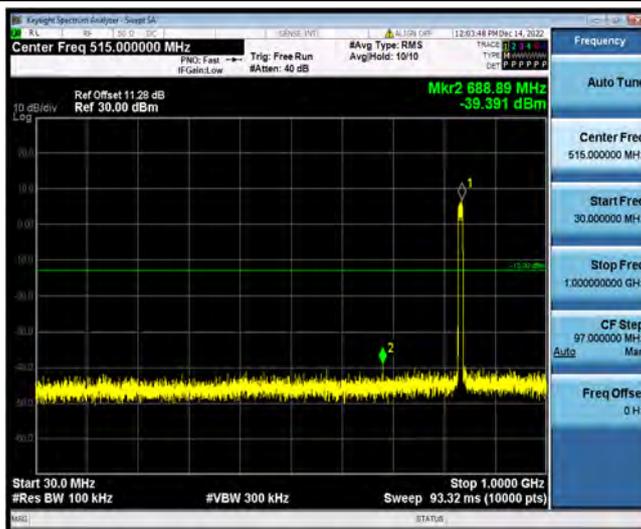
N5-10MHz-QPSK-165800-1RB#0-Range1:30~1000MHz



N5-10MHz-QPSK-165800-1RB#0-Range2:1000~10000MHz



N5-10MHz-QPSK-167300-1RB#0-Range1:30~1000MHz



N5-10MHz-QPSK-167300-1RB#0-Range2:1000~10000MHz