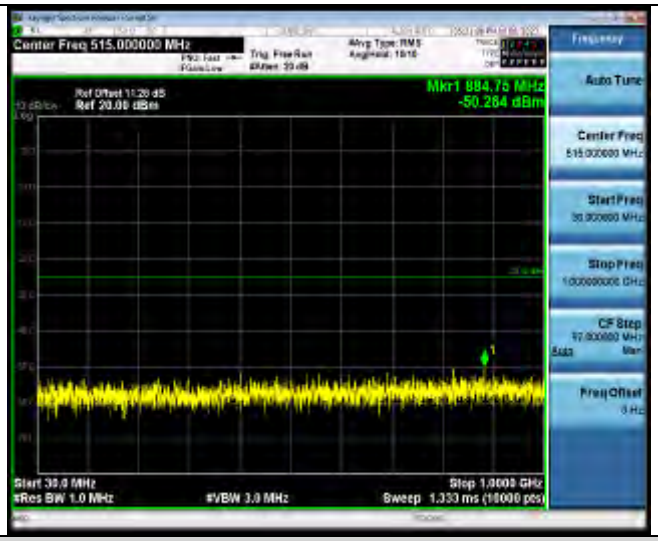
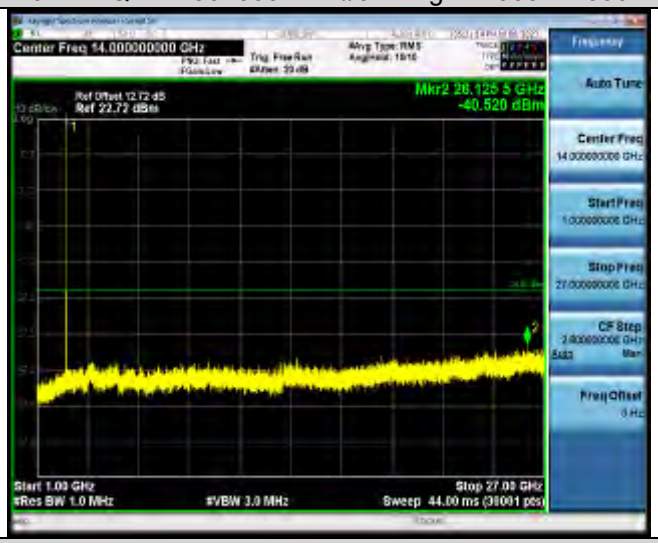
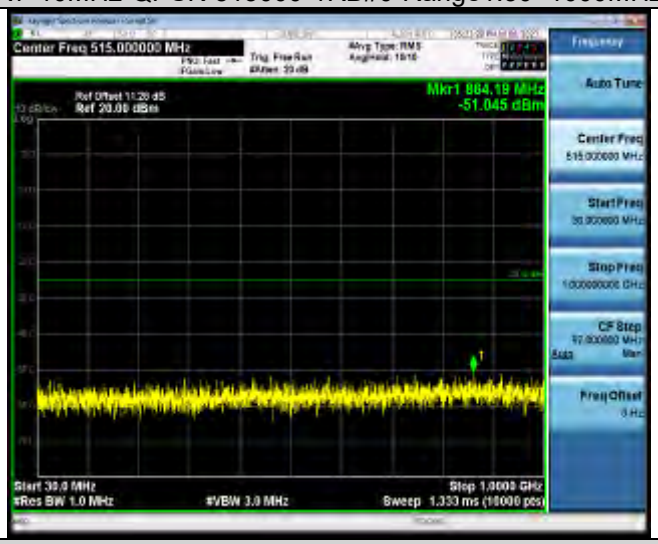


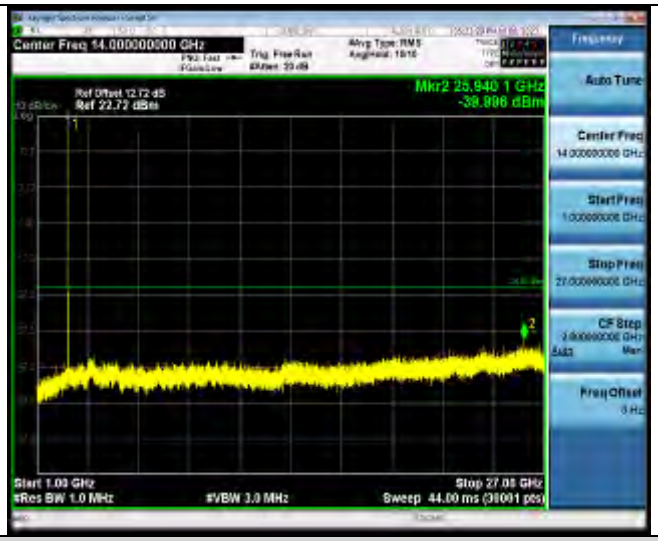
N7-10MHz-QPSK-501000-1RB#0-Range2:1000~27000MHz



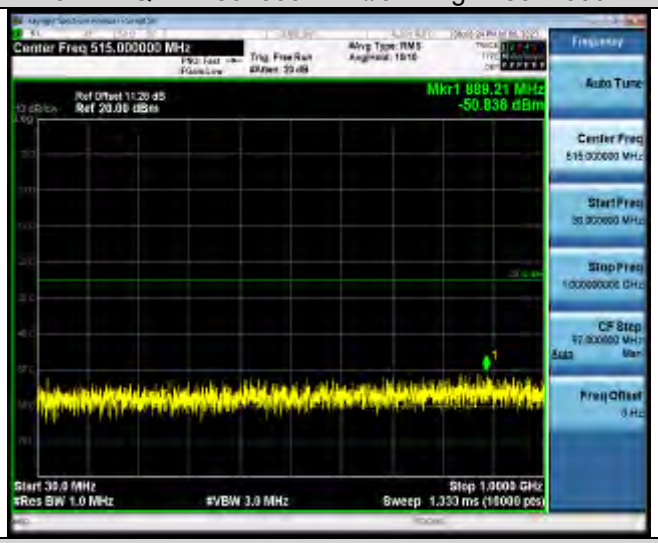
N7-10MHz-QPSK-513000-1RB#0-Range1:30~1000MHz



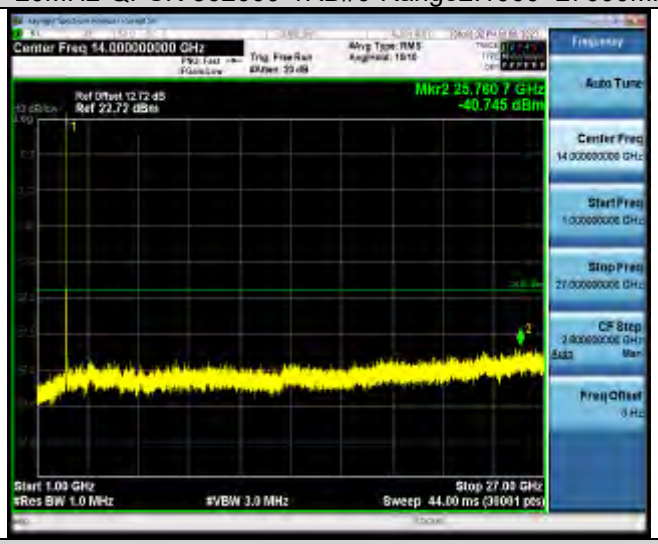
N7-10MHz-QPSK-513000-1RB#0-Range2:1000~27000MHz



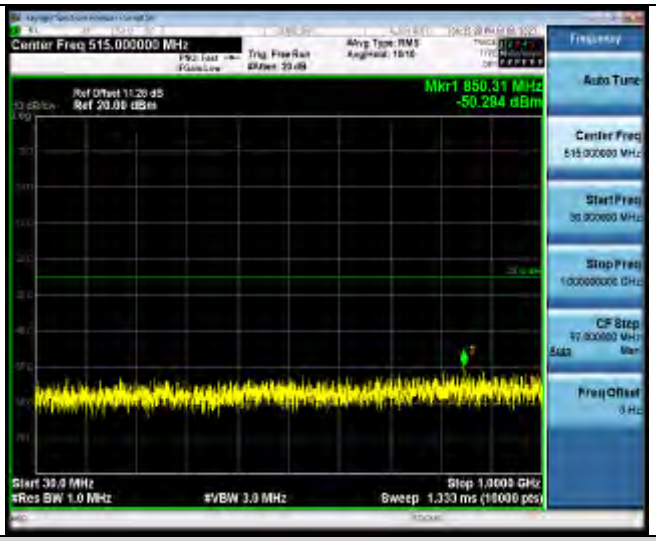
N7-20MHz-QPSK-502000-1RB#0-Range1:30~1000MHz



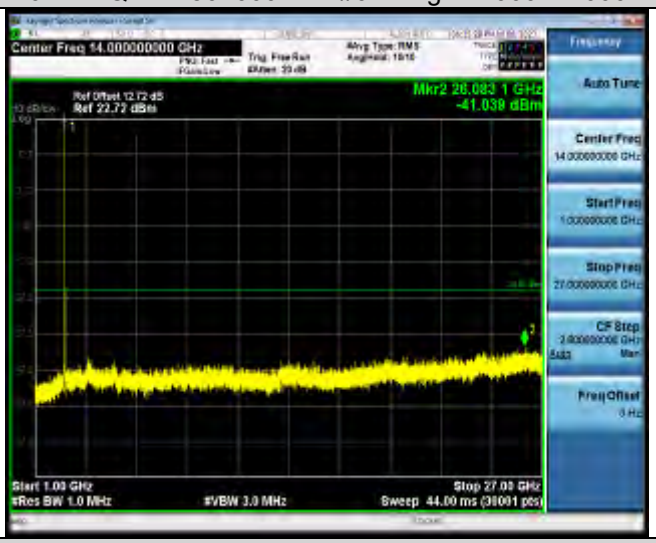
N7-20MHz-QPSK-502000-1RB#0-Range2:1000~27000MHz



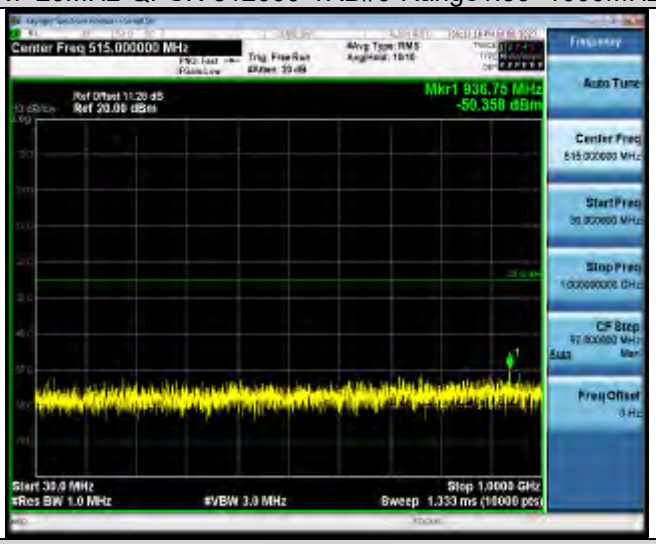
N7-20MHz-QPSK-507000-1RB#0-Range1:30~1000MHz



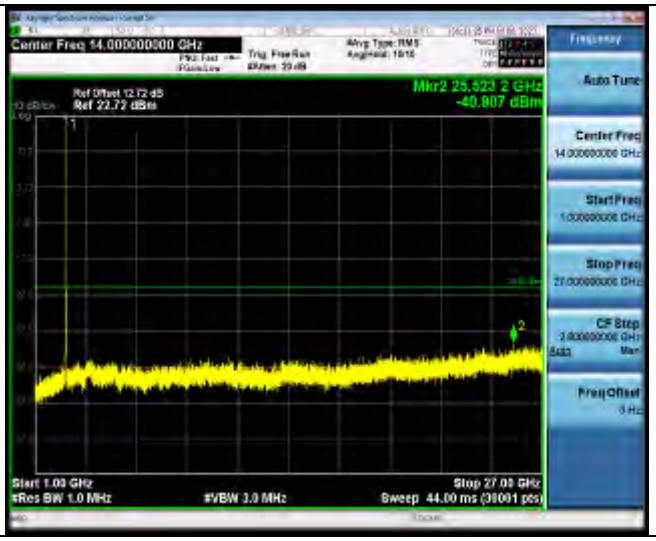
N7-20MHz-QPSK-507000-1RB#0-Range2:1000~27000MHz



N7-20MHz-QPSK-512000-1RB#0-Range1:30~1000MHz



N7-20MHz-QPSK-512000-1RB#0-Range2:1000~27000MHz


Center Freq 14.000000000 GHz
Trig: Free Run
Avg Type: RMS
Ref Offset 12.72 dB
Ref 22.72 dBm
Mkr2 25.523 2 GHz
-40.907 dBm
Frequency
Auto Tune
Center Freq
Start Freq
Stop Freq
CF Step
Freq Offset
Start 1.00 GHz
Stop 27.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Sweep 44.00 ms (30001 pts)

FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N7	20MHz	QPSK	502000	100RB#0	VL	NT	-75.33	-0.03001	±2.5	PASS
N7	20MHz	QPSK	502000	100RB#0	VN	NT	95.16	0.03791	±2.5	PASS
N7	20MHz	QPSK	502000	100RB#0	VH	NT	-47.20	-0.01881	±2.5	PASS
N7	20MHz	QPSK	507000	100RB#0	VL	NT	-56.04	-0.02211	±2.5	PASS
N7	20MHz	QPSK	507000	100RB#0	VN	NT	-88.79	-0.03503	±2.5	PASS
N7	20MHz	QPSK	507000	100RB#0	VH	NT	75.38	0.02974	±2.5	PASS
N7	20MHz	QPSK	512000	100RB#0	VL	NT	6.24	0.00244	±2.5	PASS
N7	20MHz	QPSK	512000	100RB#0	VN	NT	26.20	0.01023	±2.5	PASS
N7	20MHz	QPSK	512000	100RB#0	VH	NT	-43.08	-0.01683	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N7	20MHz	QPSK	502000	100RB#0	NV	-30	-37.26	-0.01484	±2.5	PASS
N7	20MHz	QPSK	502000	100RB#0	NV	-20	64.23	0.02559	±2.5	PASS
N7	20MHz	QPSK	502000	100RB#0	NV	0	92.06	0.03668	±2.5	PASS
N7	20MHz	QPSK	502000	100RB#0	NV	10	45.60	0.01817	±2.5	PASS
N7	20MHz	QPSK	502000	100RB#0	NV	20	73.59	0.02932	±2.5	PASS
N7	20MHz	QPSK	502000	100RB#0	NV	30	-32.27	-0.01286	±2.5	PASS
N7	20MHz	QPSK	502000	100RB#0	NV	40	-88.44	-0.03524	±2.5	PASS
N7	20MHz	QPSK	502000	100RB#0	NV	50	77.36	0.03082	±2.5	PASS
N7	20MHz	QPSK	507000	100RB#0	NV	-30	-7.79	-0.00307	±2.5	PASS
N7	20MHz	QPSK	507000	100RB#0	NV	-20	93.82	0.03701	±2.5	PASS
N7	20MHz	QPSK	507000	100RB#0	NV	0	76.30	0.03010	±2.5	PASS
N7	20MHz	QPSK	507000	100RB#0	NV	10	-13.84	-0.00546	±2.5	PASS
N7	20MHz	QPSK	507000	100RB#0	NV	20	9.36	0.00369	±2.5	PASS
N7	20MHz	QPSK	507000	100RB#0	NV	30	-88.70	-0.03499	±2.5	PASS
N7	20MHz	QPSK	507000	100RB#0	NV	40	99.50	0.03925	±2.5	PASS
N7	20MHz	QPSK	507000	100RB#0	NV	50	-11.58	-0.00457	±2.5	PASS
N7	20MHz	QPSK	512000	100RB#0	NV	-30	-9.11	-0.00356	±2.5	PASS
N7	20MHz	QPSK	512000	100RB#0	NV	-20	26.54	0.01037	±2.5	PASS
N7	20MHz	QPSK	512000	100RB#0	NV	0	-73.24	-0.02861	±2.5	PASS

N7	20MHz	QPSK	512000	100RB#0	NV	10	-20.86	-0.00815	±2.5	PASS
N7	20MHz	QPSK	512000	100RB#0	NV	20	-73.62	-0.02876	±2.5	PASS
N7	20MHz	QPSK	512000	100RB#0	NV	30	96.31	0.03762	±2.5	PASS
N7	20MHz	QPSK	512000	100RB#0	NV	40	12.46	0.00487	±2.5	PASS
N7	20MHz	QPSK	512000	100RB#0	NV	50	98.69	0.03855	±2.5	PASS

N12

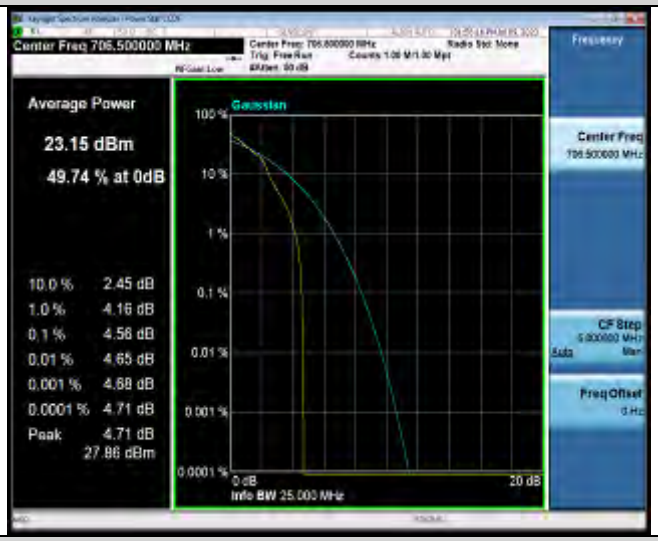
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

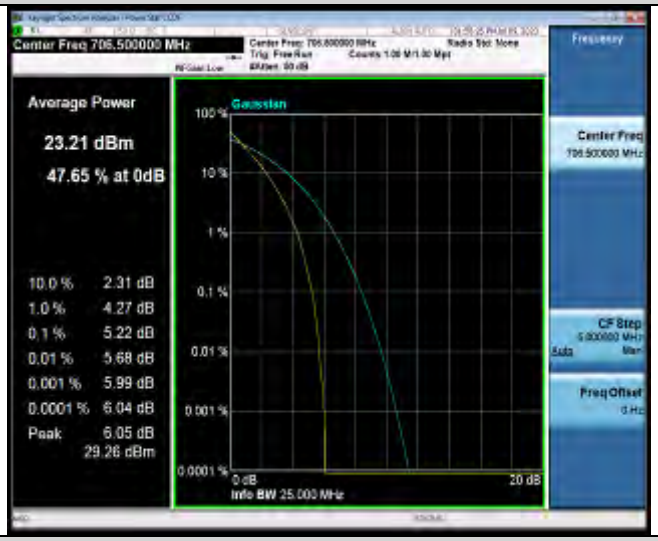
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
N12	15MHz	QPSK	141300	1RB#0	4.56	13	PASS
N12	15MHz	QPSK	141300	75RB#0	5.22	13	PASS
N12	15MHz	QPSK	141500	1RB#0	4.59	13	PASS
N12	15MHz	QPSK	141500	75RB#0	5.20	13	PASS
N12	15MHz	QPSK	141700	1RB#0	4.64	13	PASS
N12	15MHz	QPSK	141700	75RB#0	5.13	13	PASS

Test Graphs

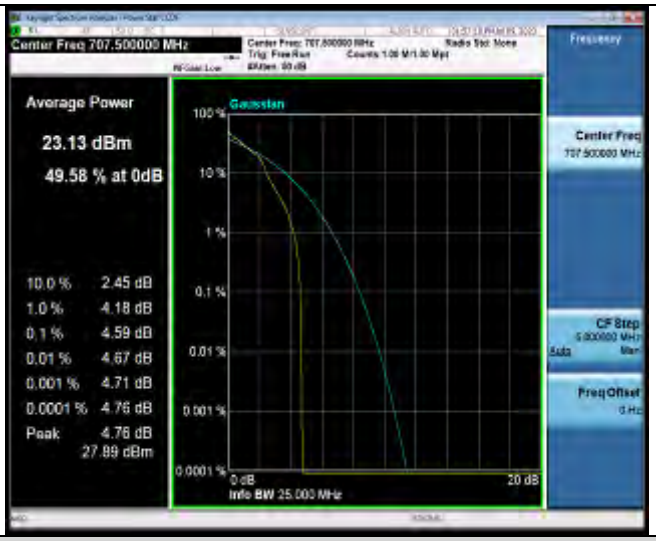
N12-15MHz-QPSK-141300-1RB#0



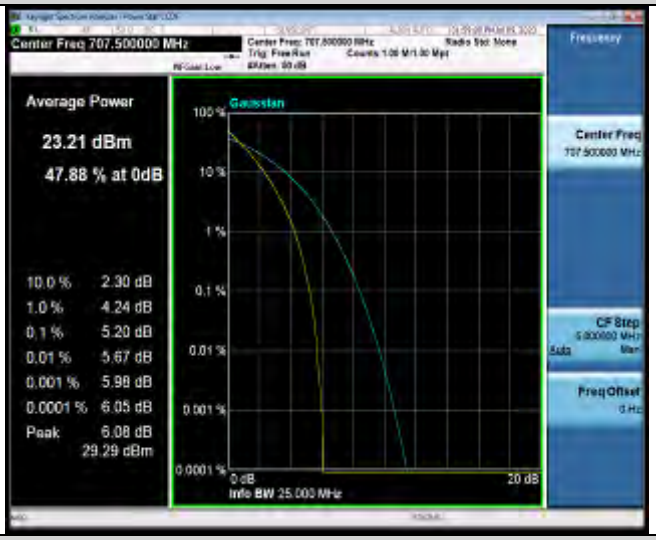
N12-15MHz-QPSK-141300-75RB#0



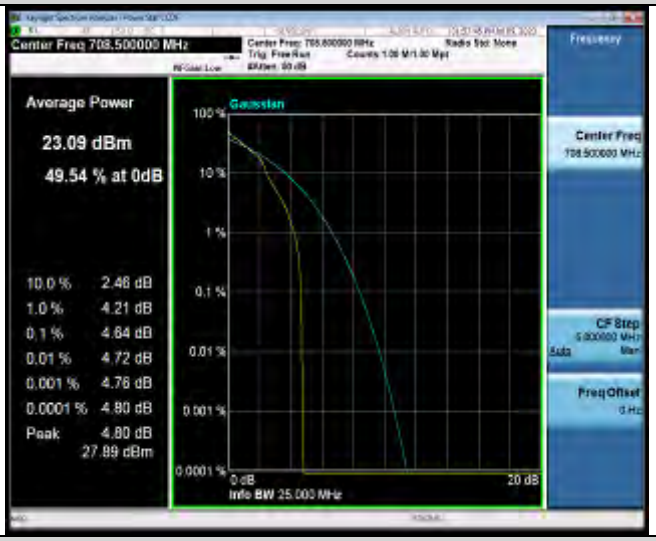
N12-15MHz-QPSK-141500-1RB#0



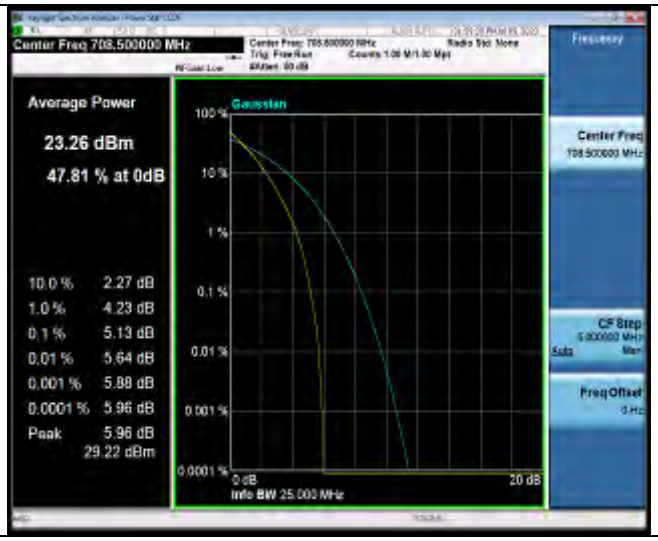
N12-15MHz-QPSK-141500-75RB#0



N12-15MHz-QPSK-141700-1RB#0



N12-15MHz-QPSK-141700-75RB#0


Center Freq 708.500000 MHz
Average Power
23.26 dBm
47.81 % at 0dB
10.0 % 2.27 dB
1.0 % 4.23 dB
0.1 % 5.13 dB
0.01 % 5.64 dB
0.001 % 5.88 dB
0.0001 % 5.96 dB
Peak 5.96 dB
29.22 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Frequency
Center Freq
CF Step
Freq Offset

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

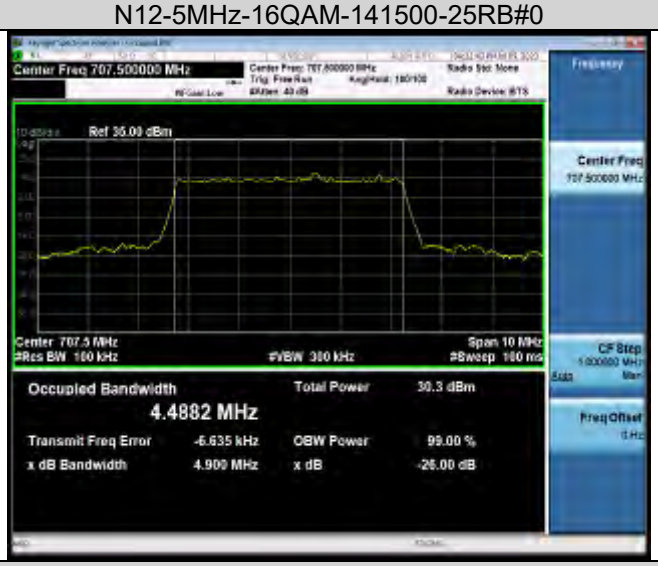
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
N12	5MHz	QPSK	141500	25RB#0	4.4869	4.932	PASS
N12	5MHz	16QAM	141500	25RB#0	4.4882	4.900	PASS
N12	5MHz	64QAM	141500	25RB#0	4.4857	4.906	PASS
N12	5MHz	256QAM	141500	25RB#0	4.4670	4.907	PASS
N12	5MHz	BPSK	141500	25RB#0	4.4684	4.932	PASS
N12	10MHz	QPSK	141500	50RB#0	8.9917	9.766	PASS
N12	10MHz	16QAM	141500	50RB#0	9.0008	9.829	PASS
N12	10MHz	64QAM	141500	50RB#0	8.9948	9.778	PASS
N12	10MHz	BPSK	141500	50RB#0	8.9841	9.680	PASS
N12	10MHz	256QAM	141500	50RB#0	9.0296	9.921	PASS
N12	15MHz	QPSK	141500	75RB#0	13.449	14.52	PASS
N12	15MHz	16QAM	141500	75RB#0	13.438	14.36	PASS
N12	15MHz	64QAM	141500	75RB#0	13.456	14.41	PASS
N12	15MHz	BPSK	141500	75RB#0	13.431	14.36	PASS
N12	15MHz	256QAM	141500	75RB#0	13.489	14.37	PASS

Test Graphs

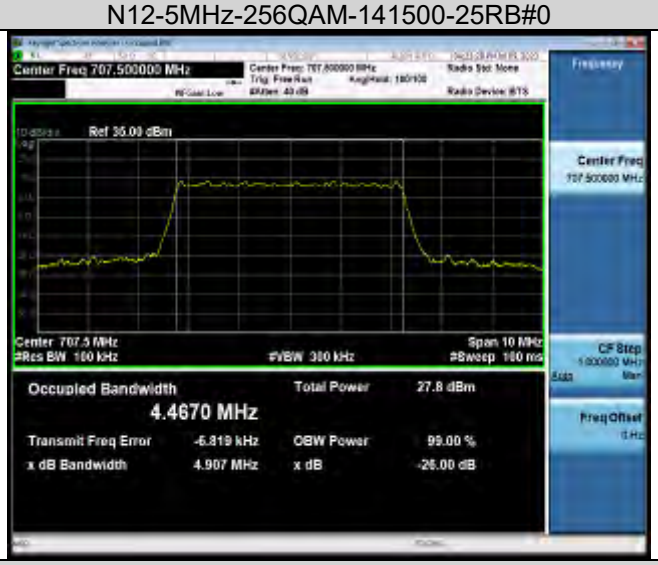
N12-5MHz-QPSK-141500-25RB#0

N12-5MHz-16QAM-141500-25RB#0



N12-5MHz-64QAM-141500-25RB#0

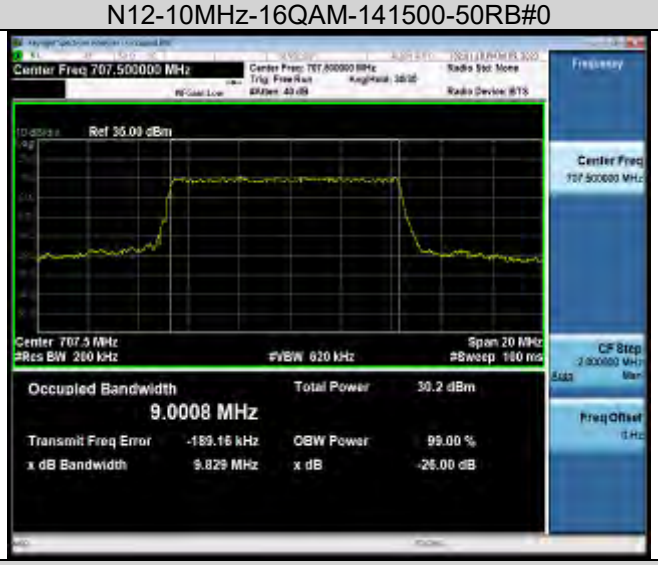
N12-5MHz-256QAM-141500-25RB#0



N12-5MHz-BPSK-141500-25RB#0

N12-10MHz-QPSK-141500-50RB#0

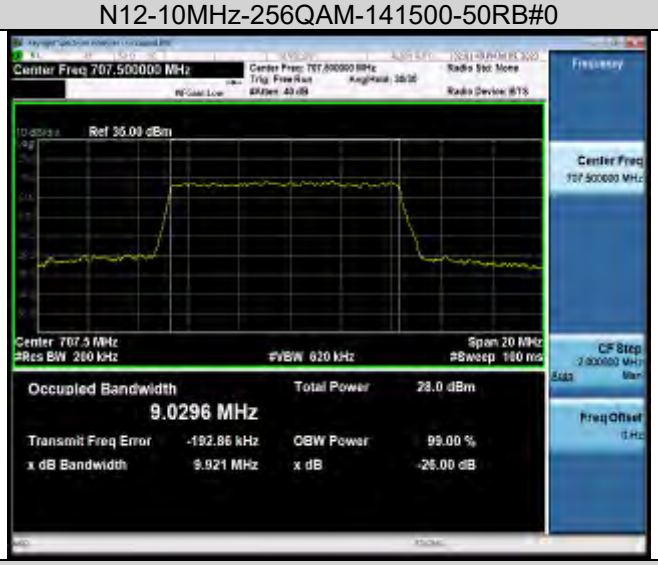
N12-10MHz-16QAM-141500-50RB#0



N12-10MHz-64QAM-141500-50RB#0

N12-10MHz-BPSK-141500-50RB#0

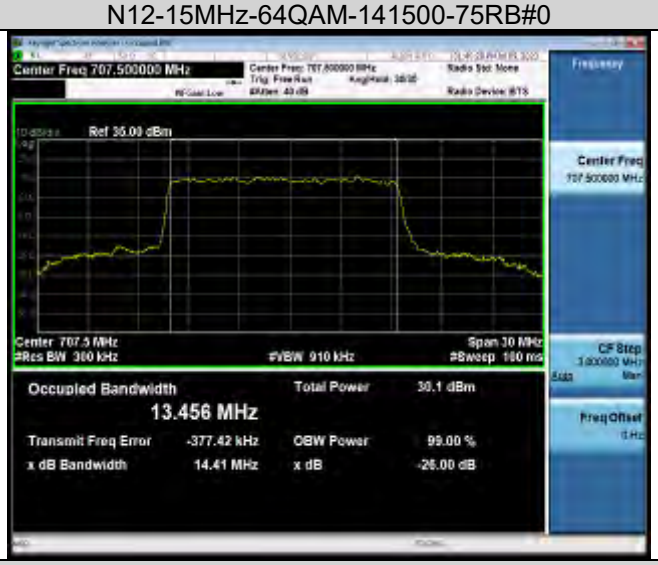
N12-10MHz-256QAM-141500-50RB#0



N12-15MHz-QPSK-141500-75RB#0

N12-15MHz-16QAM-141500-75RB#0

N12-15MHz-64QAM-141500-75RB#0



N12-15MHz-BPSK-141500-75RB#0

N12-15MHz-256QAM-141500-75RB#0

Center Freq 707.500000 MHz
Ref 35.00 dBm
Center 707.5 MHz
#Res BW 300 kHz
#VBW 910 kHz
Span 30 MHz
#Sweep 100 ms
Occupied Bandwidth
13.489 MHz
Total Power 28.3 dBm
Transmit Freq Error -348.82 kHz
OBW Power 99.00 %
x dB Bandwidth 14.37 MHz
x dB -26.00 dB
Frequency
Center Freq
CF Step
Freq Offset

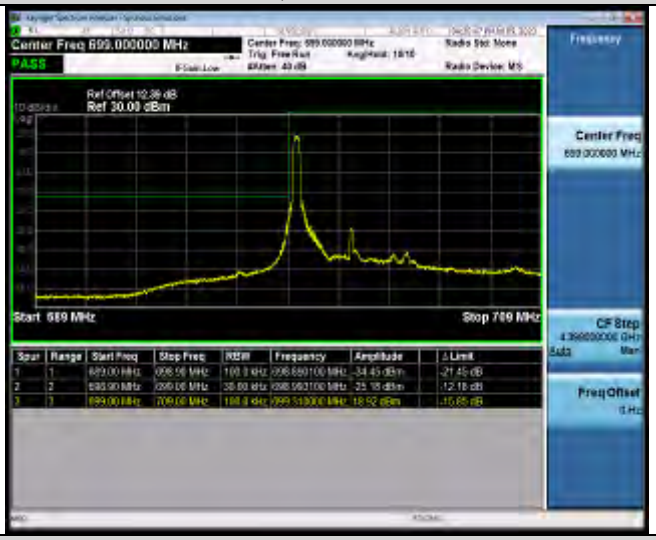
BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
N12	5MHz	QPSK	140300	1RB#0	-34.45,-25.18	PASS
N12	5MHz	QPSK	140300	25RB#0	-33.66,-33.73	PASS
N12	5MHz	QPSK	142700	1RB#24	-24.42,-36.66	PASS
N12	5MHz	QPSK	142700	25RB#0	-33.84,-33.24	PASS
N12	10MHz	QPSK	140800	1RB#0	-38.38,-27.07	PASS
N12	10MHz	QPSK	140800	50RB#0	-34.52,-34.59	PASS
N12	10MHz	QPSK	142200	1RB#49	-28.08,-37.13	PASS
N12	10MHz	QPSK	142200	50RB#0	-38.68,-35.69	PASS
N12	15MHz	QPSK	141300	1RB#0	-37.36,-29.63	PASS
N12	15MHz	QPSK	141300	75RB#0	-36.20,-39.65	PASS
N12	15MHz	QPSK	141700	1RB#74	-29.68,-40.92	PASS
N12	15MHz	QPSK	141700	75RB#0	-41.57,-38.10	PASS

Test Graphs

N12-5MHz-QPSK-140300-1RB#0

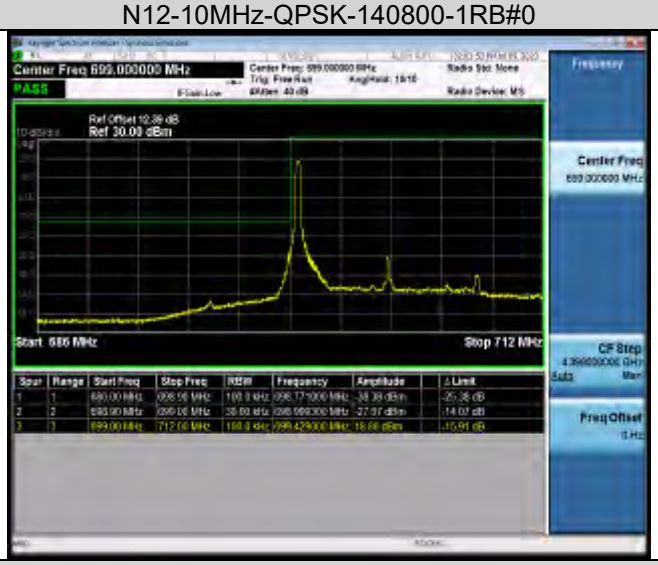


N12-5MHz-QPSK-140300-25RB#0

N12-5MHz-QPSK-142700-1RB#24

N12-5MHz-QPSK-142700-25RB#0

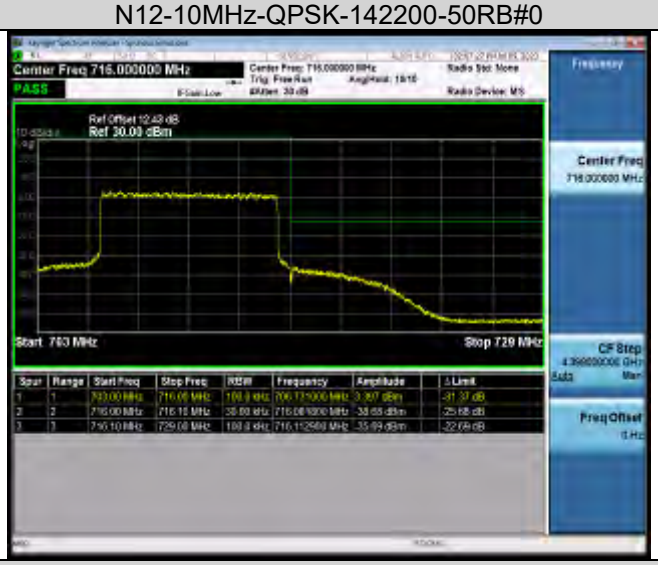
N12-10MHz-QPSK-140800-1RB#0



N12-10MHz-QPSK-140800-50RB#0

N12-10MHz-QPSK-142200-1RB#49

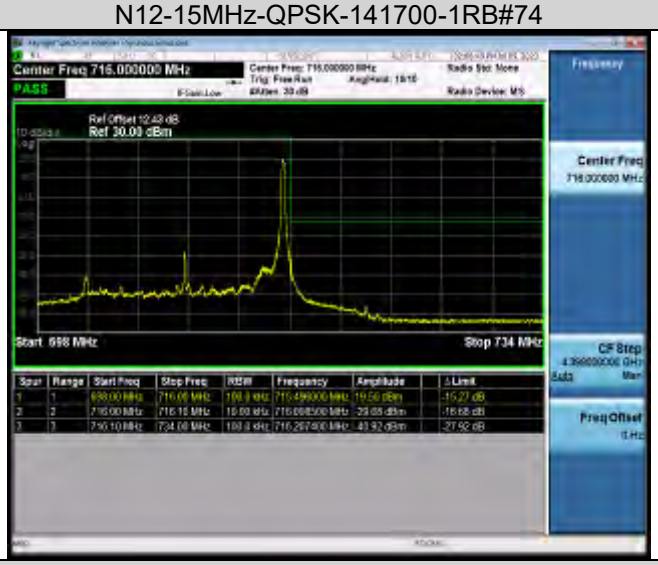
N12-10MHz-QPSK-142200-50RB#0



N12-15MHz-QPSK-141300-1RB#0

N12-15MHz-QPSK-141300-75RB#0

N12-15MHz-QPSK-141700-1RB#74



N12-15MHz-QPSK-141700-75RB#0

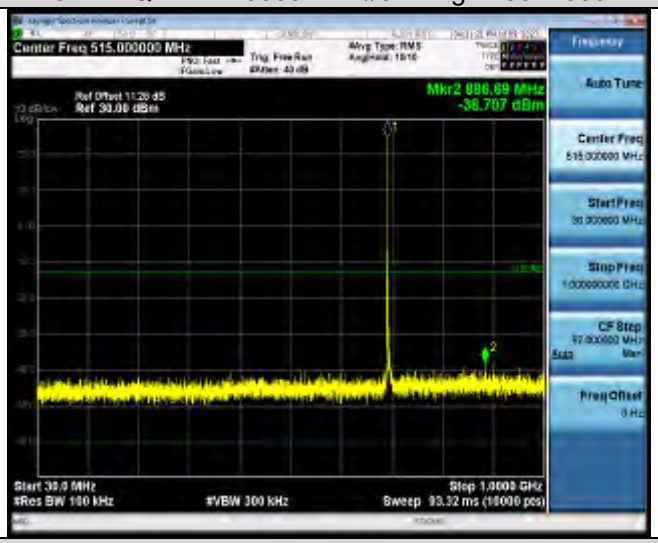
CONDUCTED SPURIOUS EMISSION

Test Result

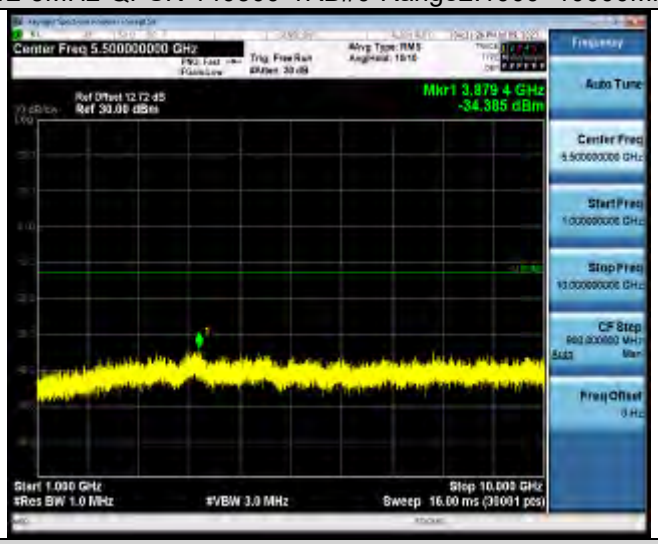
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
N12	5MHz	QPSK	140300	1RB#0	Range1:30~1000MHz	-38.71	PASS
N12	5MHz	QPSK	140300	1RB#0	Range2:1000~10000MHz	-34.39	PASS
N12	5MHz	QPSK	141500	1RB#0	Range1:30~1000MHz	-39.85	PASS
N12	5MHz	QPSK	141500	1RB#0	Range2:1000~10000MHz	-34.5	PASS
N12	5MHz	QPSK	142700	1RB#0	Range1:30~1000MHz	-39.13	PASS
N12	5MHz	QPSK	142700	1RB#0	Range2:1000~10000MHz	-33.92	PASS
N12	10MHz	QPSK	140800	1RB#0	Range1:30~1000MHz	-39.42	PASS
N12	10MHz	QPSK	140800	1RB#0	Range2:1000~10000MHz	-34.31	PASS
N12	10MHz	QPSK	141500	1RB#0	Range1:30~1000MHz	-39.63	PASS
N12	10MHz	QPSK	141500	1RB#0	Range2:1000~10000MHz	-34.41	PASS
N12	10MHz	QPSK	142200	1RB#0	Range1:30~1000MHz	-39.93	PASS
N12	10MHz	QPSK	142200	1RB#0	Range2:1000~10000MHz	-34.3	PASS
N12	15MHz	QPSK	141300	1RB#0	Range1:30~1000MHz	-39.14	PASS
N12	15MHz	QPSK	141300	1RB#0	Range2:1000~10000MHz	-33.67	PASS
N12	15MHz	QPSK	141500	1RB#0	Range1:30~1000MHz	-39.23	PASS
N12	15MHz	QPSK	141500	1RB#0	Range2:1000~10000MHz	-34.03	PASS
N12	15MHz	QPSK	141700	1RB#0	Range1:30~1000MHz	-39.75	PASS
N12	15MHz	QPSK	141700	1RB#0	Range2:1000~10000MHz	-34.78	PASS

Test Graphs

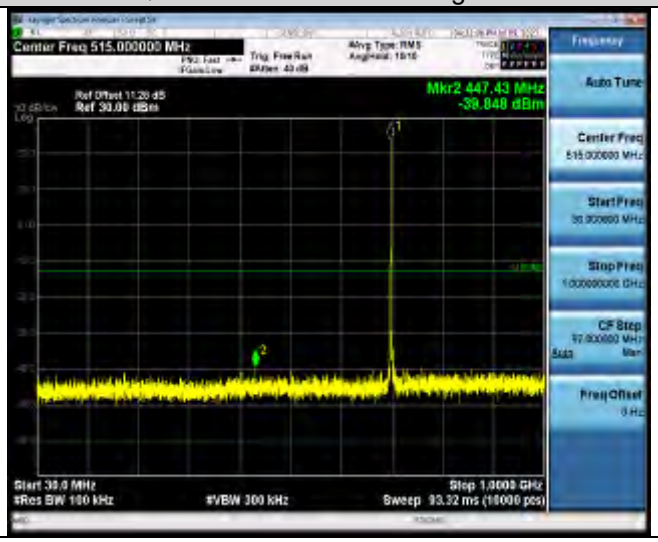
N12-5MHz-QPSK-140300-1RB#0-Range1:30~1000MHz



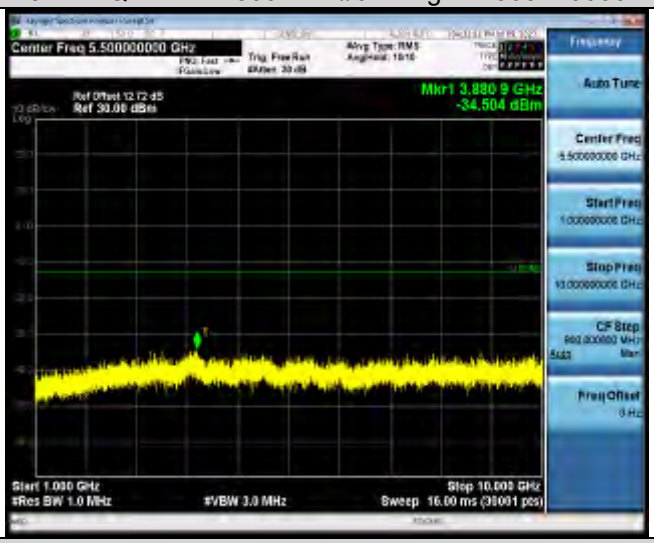
N12-5MHz-QPSK-140300-1RB#0-Range2:1000~10000MHz



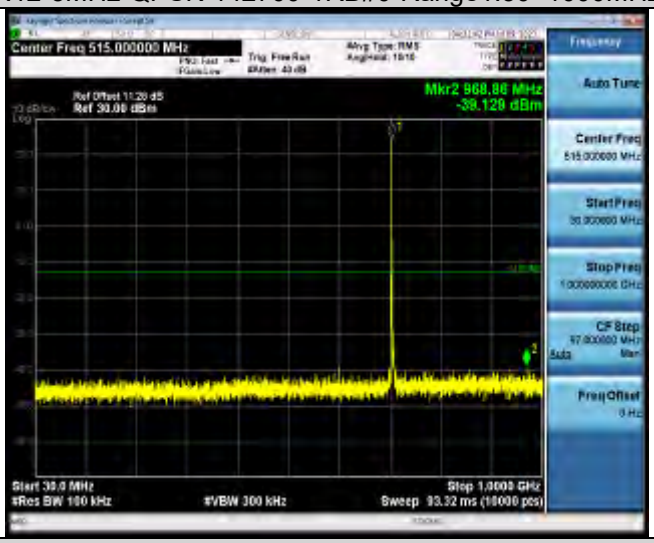
N12-5MHz-QPSK-141500-1RB#0-Range1:30~1000MHz



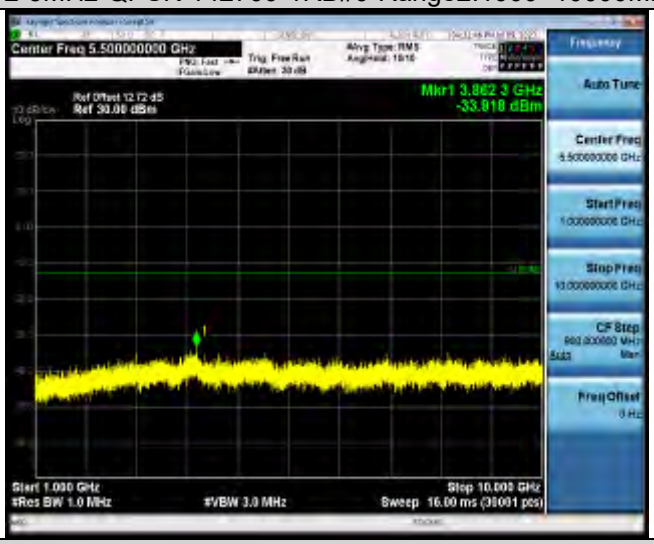
N12-5MHz-QPSK-141500-1RB#0-Range2:1000~10000MHz



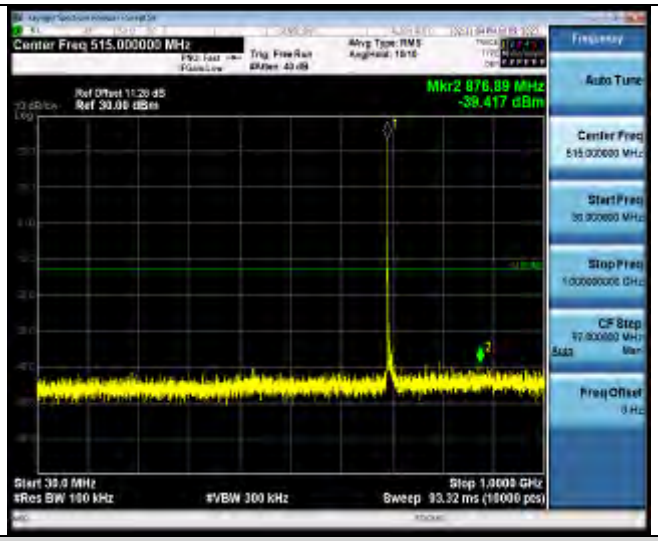
N12-5MHz-QPSK-142700-1RB#0-Range1:30~1000MHz



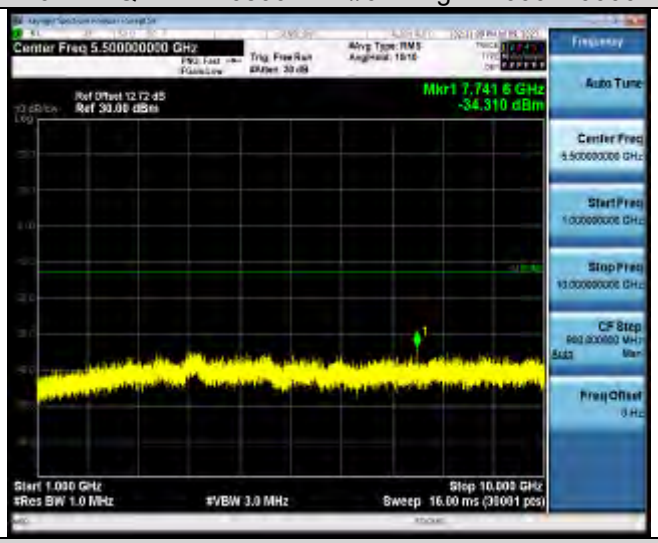
N12-5MHz-QPSK-142700-1RB#0-Range2:1000~10000MHz



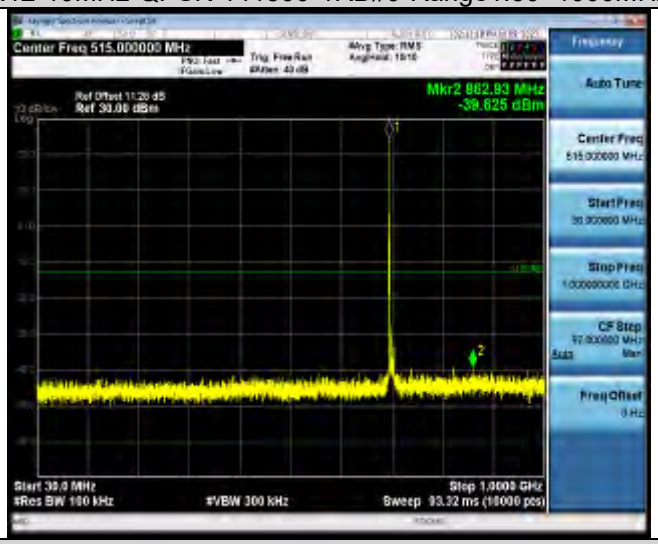
N12-10MHz-QPSK-140800-1RB#0-Range1:30~1000MHz



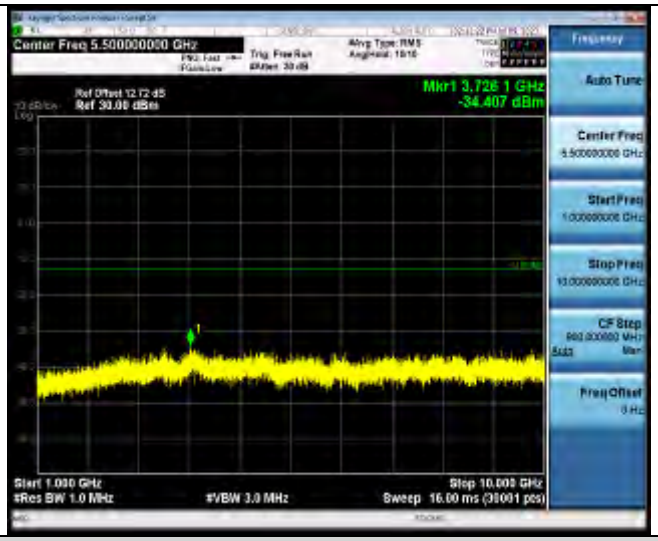
N12-10MHz-QPSK-140800-1RB#0-Range2:1000~10000MHz



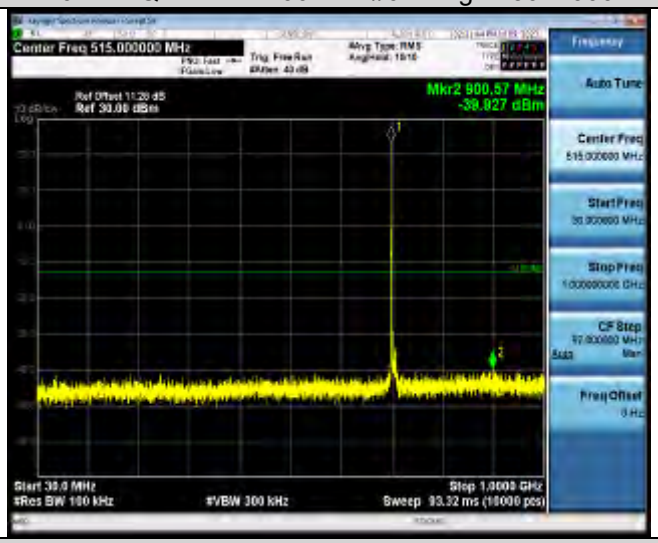
N12-10MHz-QPSK-141500-1RB#0-Range1:30~1000MHz



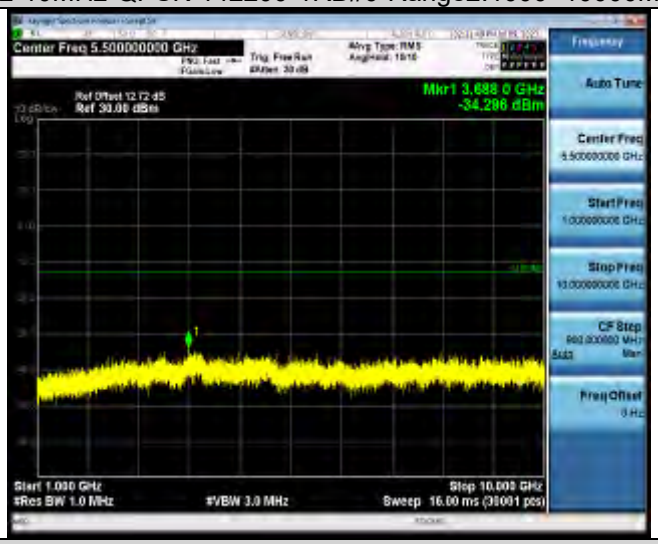
N12-10MHz-QPSK-141500-1RB#0-Range2:1000~10000MHz



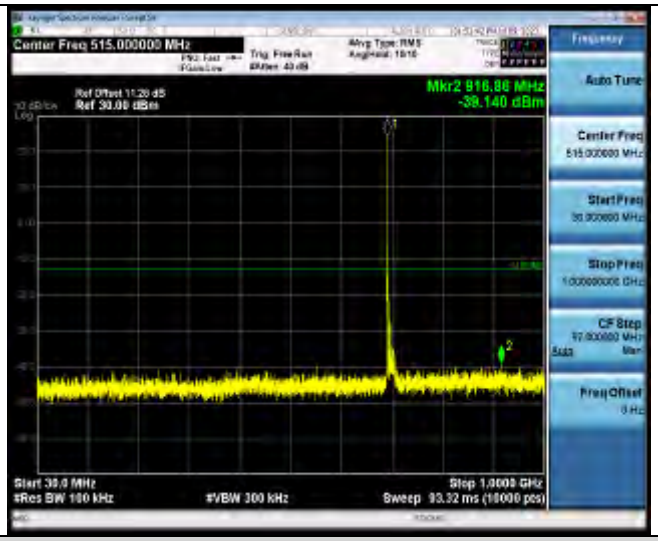
N12-10MHz-QPSK-142200-1RB#0-Range1:30~1000MHz



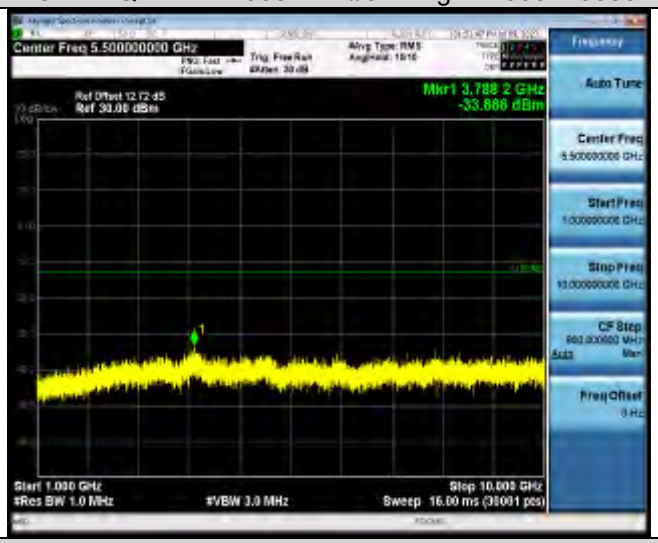
N12-10MHz-QPSK-142200-1RB#0-Range2:1000~10000MHz



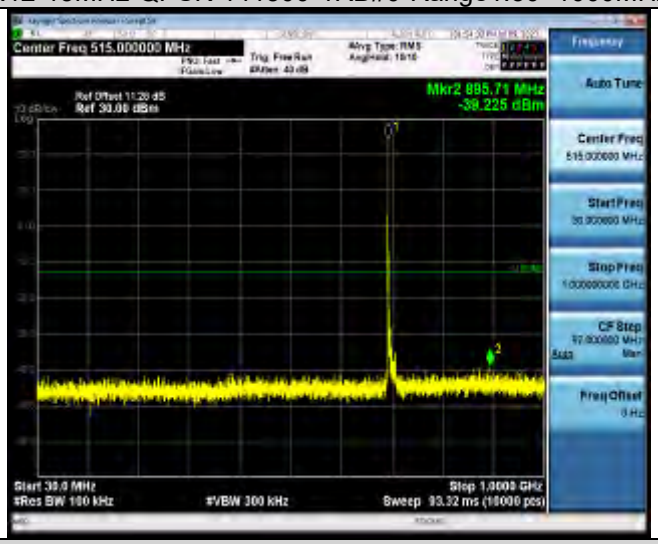
N12-15MHz-QPSK-141300-1RB#0-Range1:30~1000MHz



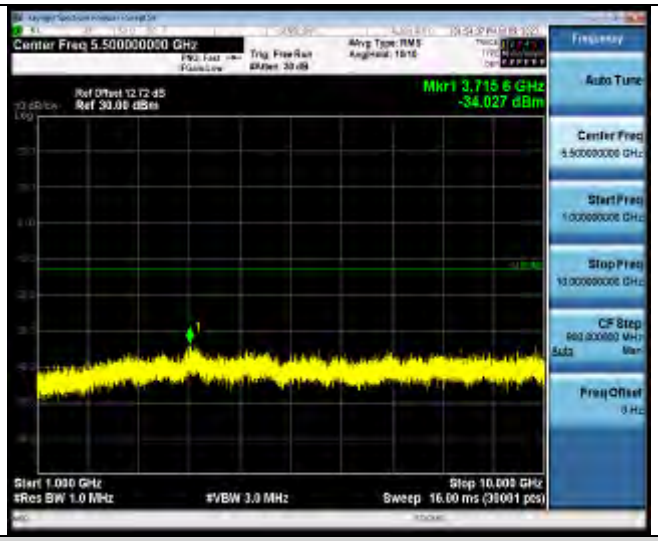
N12-15MHz-QPSK-141300-1RB#0-Range2:1000~10000MHz



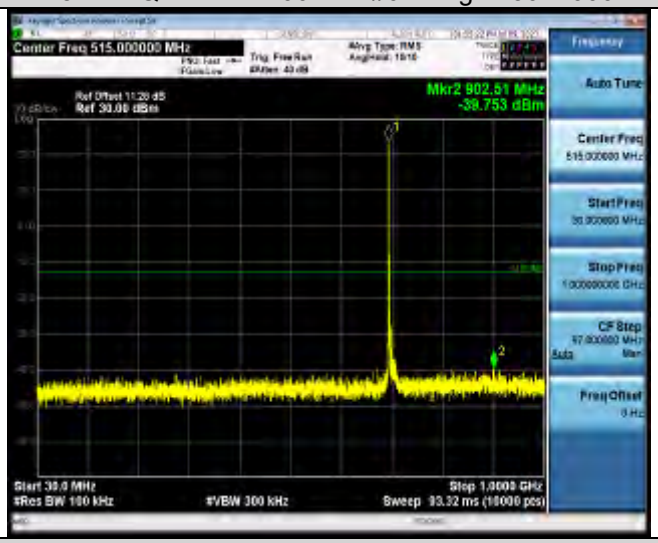
N12-15MHz-QPSK-141500-1RB#0-Range1:30~1000MHz



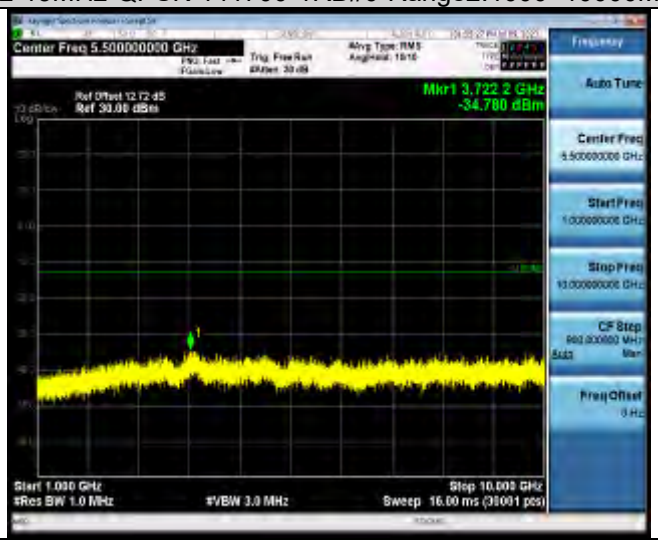
N12-15MHz-QPSK-141500-1RB#0-Range2:1000~10000MHz



N12-15MHz-QPSK-141700-1RB#0-Range1:30~1000MHz



N12-15MHz-QPSK-141700-1RB#0-Range2:1000~10000MHz



FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N12	15MHz	QPSK	141300	50RB#0	VL	NT	-1.02	-0.00144	±2.5	PASS
N12	15MHz	QPSK	141300	50RB#0	VN	NT	11.04	0.01563	±2.5	PASS
N12	15MHz	QPSK	141300	50RB#0	VH	NT	82.63	0.11696	±2.5	PASS
N12	15MHz	QPSK	141500	50RB#0	VL	NT	23.05	0.03258	±2.5	PASS
N12	15MHz	QPSK	141500	50RB#0	VN	NT	84.09	0.11885	±2.5	PASS
N12	15MHz	QPSK	141500	50RB#0	VH	NT	11.34	0.01602	±2.5	PASS
N12	15MHz	QPSK	141700	50RB#0	VL	NT	-57.34	-0.08093	±2.5	PASS
N12	15MHz	QPSK	141700	50RB#0	VN	NT	-72.69	-0.10260	±2.5	PASS
N12	15MHz	QPSK	141700	50RB#0	VH	NT	94.96	0.13403	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N12	15MHz	QPSK	141300	50RB#0	NV	-30	46.70	-0.00250	±2.5	PASS
N12	15MHz	QPSK	141300	50RB#0	NV	-20	44.12	0.00195	±2.5	PASS
N12	15MHz	QPSK	141300	50RB#0	NV	0	82.58	-0.00359	±2.5	PASS
N12	15MHz	QPSK	141300	50RB#0	NV	10	59.16	-0.00263	±2.5	PASS
N12	15MHz	QPSK	141300	50RB#0	NV	20	6.22	-0.00131	±2.5	PASS
N12	15MHz	QPSK	141300	50RB#0	NV	30	-9.40	-0.00553	±2.5	PASS
N12	15MHz	QPSK	141300	50RB#0	NV	40	44.85	-0.00161	±2.5	PASS
N12	15MHz	QPSK	141300	50RB#0	NV	50	93.02	-0.00313	±2.5	PASS
N12	15MHz	QPSK	141500	50RB#0	NV	-30	-59.71	-0.08440	±2.5	PASS
N12	15MHz	QPSK	141500	50RB#0	NV	-20	-57.70	-0.08155	±2.5	PASS
N12	15MHz	QPSK	141500	50RB#0	NV	0	34.75	0.04912	±2.5	PASS
N12	15MHz	QPSK	141500	50RB#0	NV	10	94.72	0.13387	±2.5	PASS
N12	15MHz	QPSK	141500	50RB#0	NV	20	-71.93	-0.10166	±2.5	PASS
N12	15MHz	QPSK	141500	50RB#0	NV	30	-87.49	-0.12366	±2.5	PASS
N12	15MHz	QPSK	141500	50RB#0	NV	40	-87.96	-0.12432	±2.5	PASS
N12	15MHz	QPSK	141500	50RB#0	NV	50	11.36	0.01606	±2.5	PASS
N12	15MHz	QPSK	141700	50RB#0	NV	-30	13.39	0.01890	±2.5	PASS
N12	15MHz	QPSK	141700	50RB#0	NV	-20	-18.37	-0.02593	±2.5	PASS
N12	15MHz	QPSK	141700	50RB#0	NV	0	-52.28	-0.07379	±2.5	PASS

N12	15MHz	QPSK	141700	50RB#0	NV	10	-53.84	-0.07599	±2.5	PASS
N12	15MHz	QPSK	141700	50RB#0	NV	20	46.96	0.06628	±2.5	PASS
N12	15MHz	QPSK	141700	50RB#0	NV	30	48.26	0.06812	±2.5	PASS
N12	15MHz	QPSK	141700	50RB#0	NV	40	-48.58	-0.06857	±2.5	PASS
N12	15MHz	QPSK	141700	50RB#0	NV	50	46.49	0.06562	±2.5	PASS

N25 INCLUDING N2

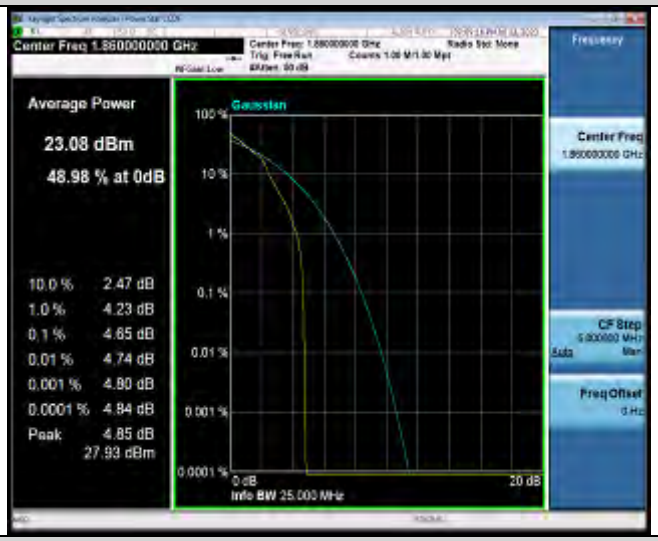
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

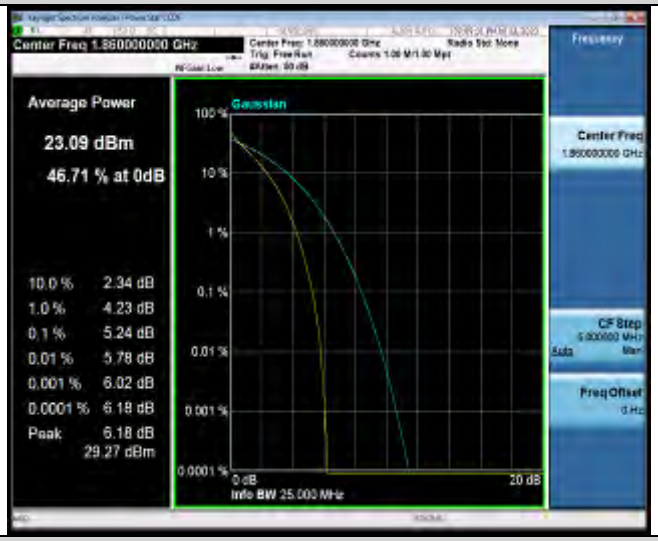
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
N25	20MHz	QPSK	372000	1RB#0	4.65	13	PASS
N25	20MHz	QPSK	372000	100RB#0	5.24	13	PASS
N25	20MHz	QPSK	376500	1RB#0	4.60	13	PASS
N25	20MHz	QPSK	376500	100RB#0	5.50	13	PASS
N25	20MHz	QPSK	381000	1RB#0	4.65	13	PASS
N25	20MHz	QPSK	381000	100RB#0	5.49	13	PASS

Test Graphs

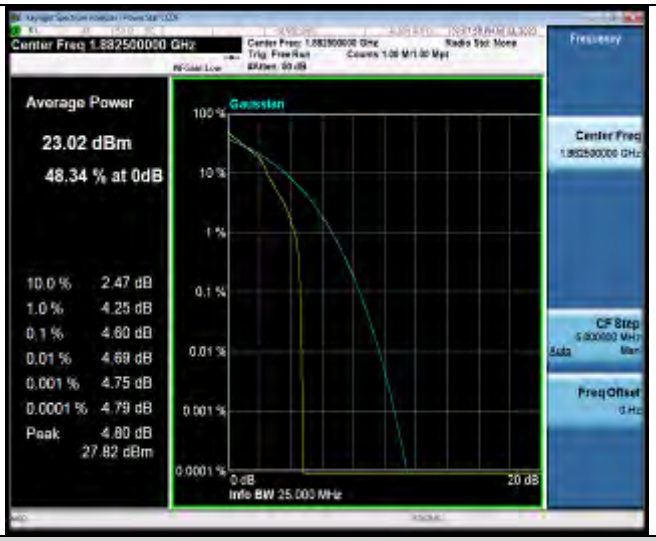
N25-20MHz-QPSK-372000-1RB#0



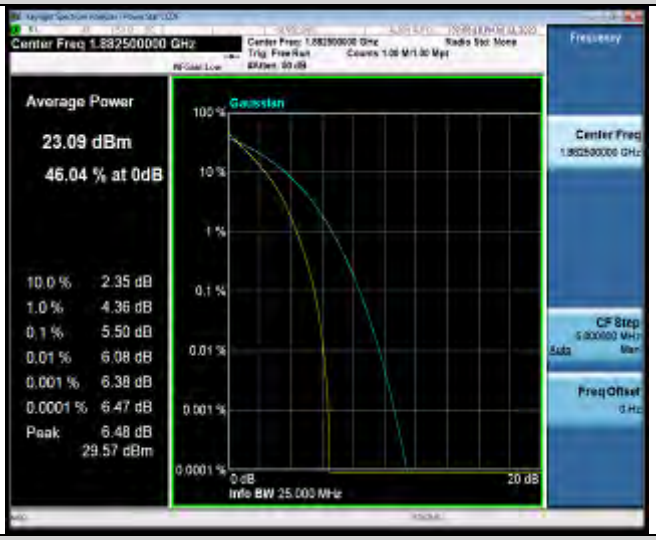
N25-20MHz-QPSK-372000-100RB#0



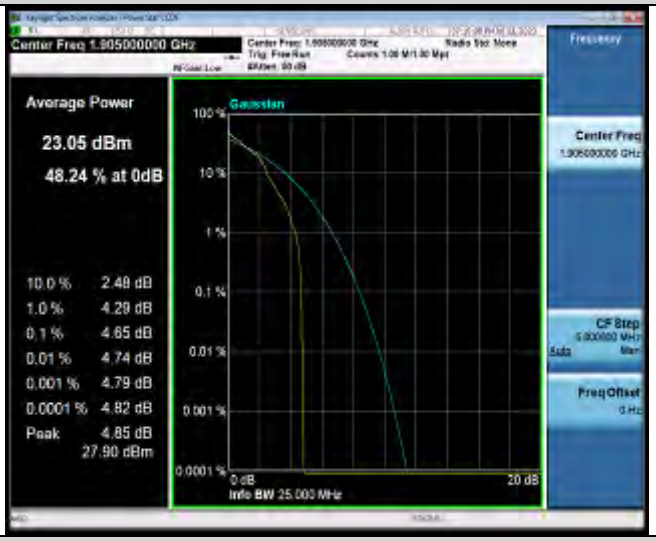
N25-20MHz-QPSK-376500-1RB#0



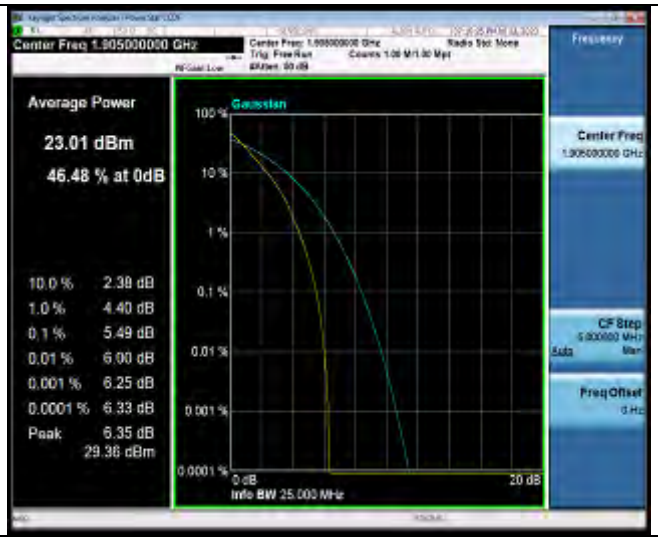
N25-20MHz-QPSK-376500-100RB#0



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



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


Center Freq 1.905000000 GHz
Average Power
23.01 dBm
46.48 % at 0dB
10.0 % 2.38 dB
1.0 % 4.40 dB
0.1 % 5.49 dB
0.01 % 6.00 dB
0.001 % 6.25 dB
0.0001 % 6.33 dB
Peak 6.35 dB
29.36 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Frequency
Center Freq
CF Step
Freq Offset

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

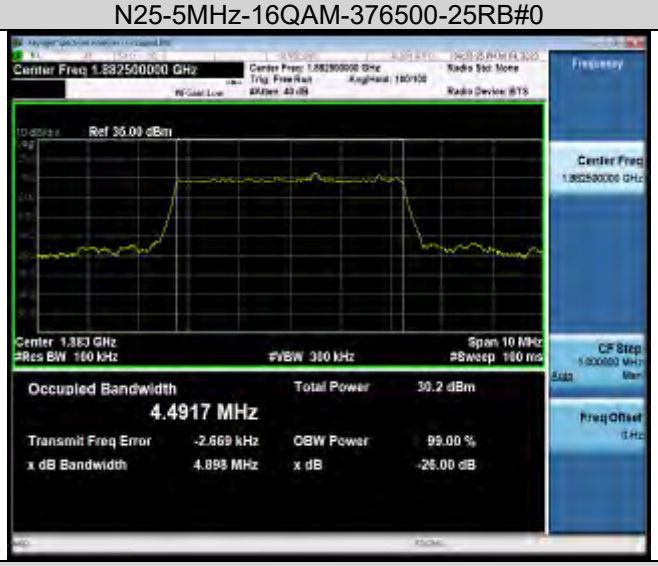
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
N25	5MHz	QPSK	376500	25RB#0	4.4899	4.942	PASS
N25	5MHz	16QAM	376500	25RB#0	4.4917	4.898	PASS
N25	5MHz	64QAM	376500	25RB#0	4.4895	4.916	PASS
N25	5MHz	256QAM	376500	25RB#0	4.4710	4.922	PASS
N25	5MHz	BPSK	376500	25RB#0	4.4741	4.926	PASS
N25	10MHz	QPSK	376500	50RB#0	8.9915	9.762	PASS
N25	10MHz	16QAM	376500	50RB#0	9.0040	9.810	PASS
N25	10MHz	64QAM	376500	50RB#0	9.0001	9.775	PASS
N25	10MHz	BPSK	376500	50RB#0	8.9811	9.705	PASS
N25	10MHz	256QAM	376500	50RB#0	9.0366	9.922	PASS
N25	15MHz	QPSK	376500	75RB#0	13.450	14.51	PASS
N25	15MHz	16QAM	376500	75RB#0	13.452	14.40	PASS
N25	15MHz	64QAM	376500	75RB#0	13.447	14.41	PASS
N25	15MHz	256QAM	376500	75RB#0	13.499	14.38	PASS
N25	15MHz	BPSK	376500	75RB#0	13.443	14.35	PASS
N25	20MHz	QPSK	376500	100RB#0	17.970	19.37	PASS
N25	20MHz	16QAM	376500	100RB#0	17.966	19.23	PASS
N25	20MHz	64QAM	376500	100RB#0	17.934	19.44	PASS
N25	20MHz	256QAM	376500	100RB#0	17.982	19.31	PASS
N25	20MHz	BPSK	376500	100RB#0	17.954	19.28	PASS

Test Graphs

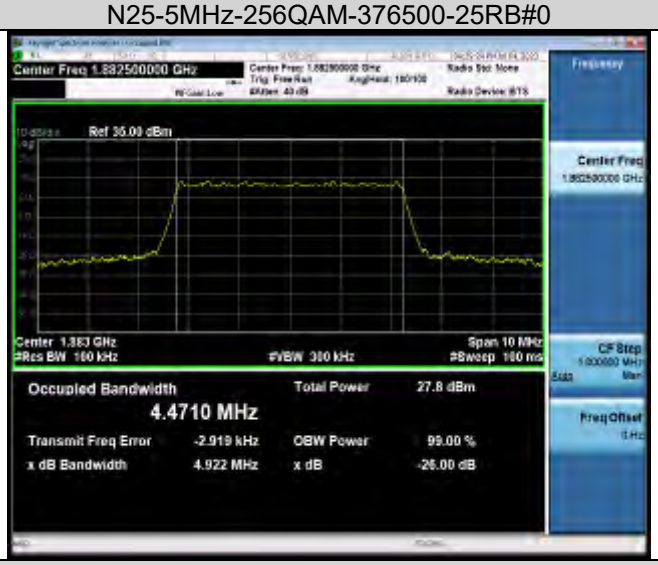
N25-5MHz-QPSK-376500-25RB#0

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



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

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



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

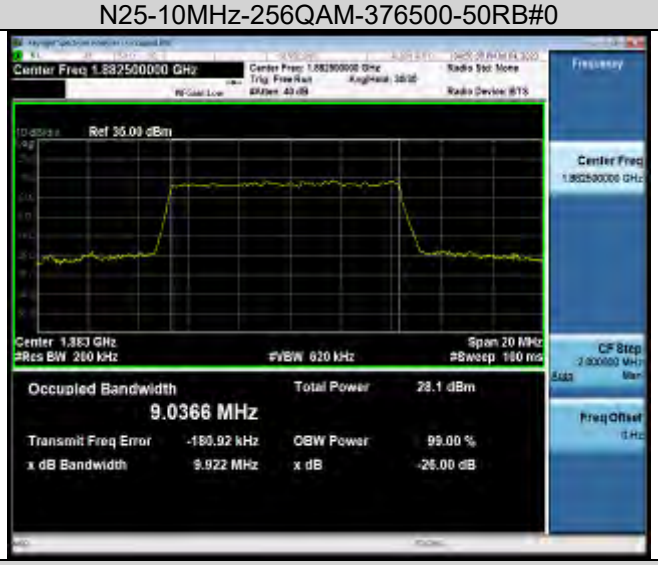
N25-10MHz-QPSK-376500-50RB#0

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

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

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

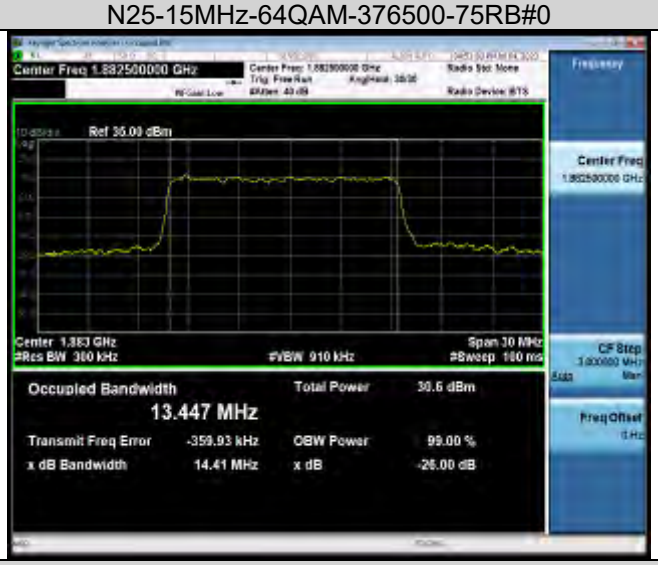
N25-10MHz-256QAM-376500-50RB#0



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

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

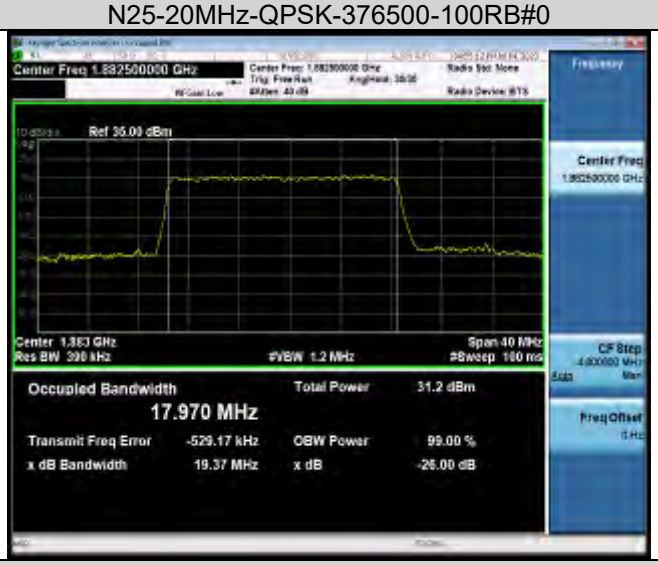
N25-15MHz-64QAM-376500-75RB#0



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

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

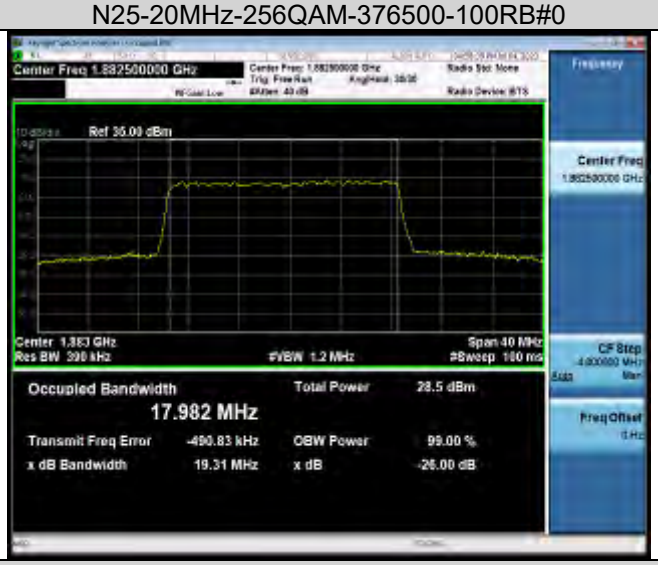
N25-20MHz-QPSK-376500-100RB#0



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

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

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



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

BAND EDGE

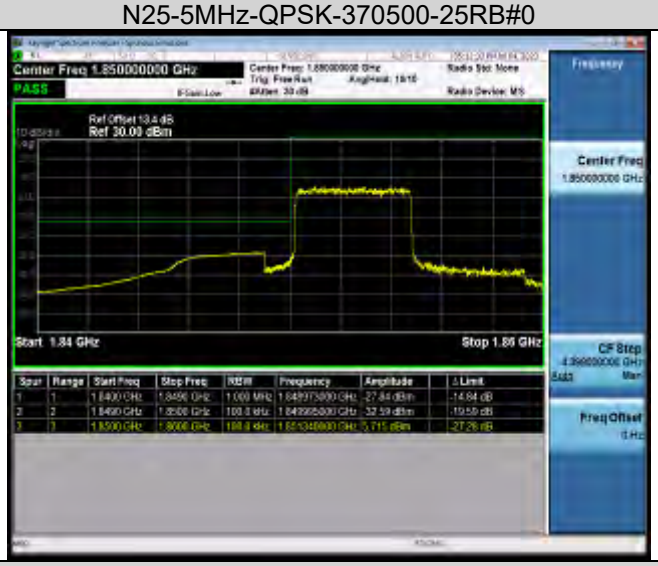
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
N25	5MHz	QPSK	370500	1RB#0	-39.22,-25.77	PASS
N25	5MHz	QPSK	370500	25RB#0	-27.84,-32.59	PASS
N25	5MHz	QPSK	382500	1RB#24	-30.19,-39.70	PASS
N25	5MHz	QPSK	382500	25RB#0	-33.37,-27.88	PASS
N25	10MHz	QPSK	371000	1RB#0	-40.73,-29.75	PASS
N25	10MHz	QPSK	371000	50RB#0	-29.71,-31.21	PASS
N25	10MHz	QPSK	382000	1RB#49	-40.39,-42.10	PASS
N25	10MHz	QPSK	382000	50RB#0	-34.53,-30.60	PASS
N25	10MHz	16QAM	382000	1RB#49	-39.93,-41.92	PASS
N25	10MHz	16QAM	382000	50RB#0	-34.48,-30.99	PASS
N25	20MHz	QPSK	372000	1RB#0	-41.30,-29.64	PASS
N25	20MHz	QPSK	372000	100RB#0	-32.96,-34.99	PASS
N25	20MHz	QPSK	381000	1RB#99	-49.36,-43.94	PASS
N25	20MHz	QPSK	381000	100RB#0	-37.10,-32.59	PASS

Test Graphs

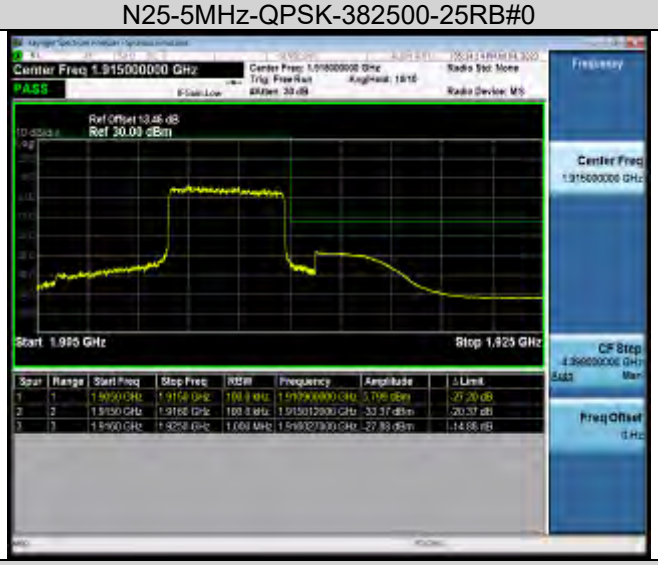
N25-5MHz-QPSK-370500-1RB#0

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

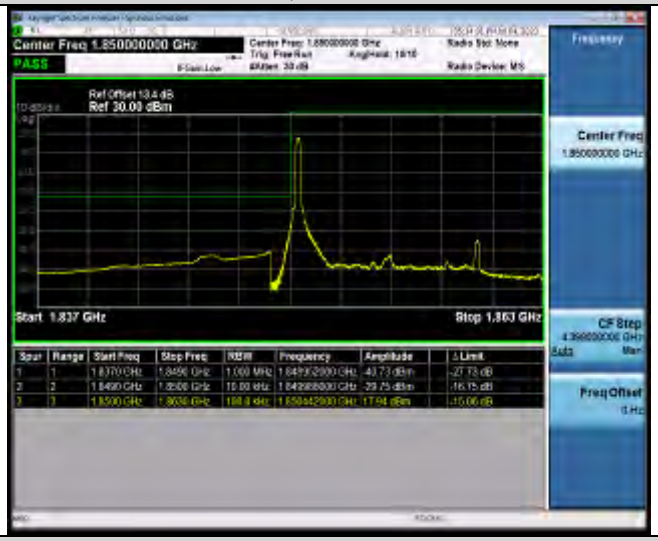


N25-5MHz-QPSK-382500-1RB#24

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

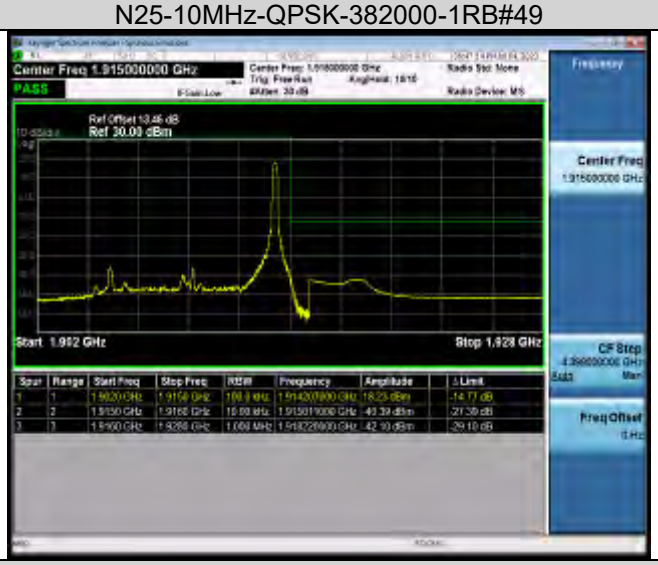


N25-10MHz-QPSK-371000-1RB#0



N25-10MHz-QPSK-371000-50RB#0

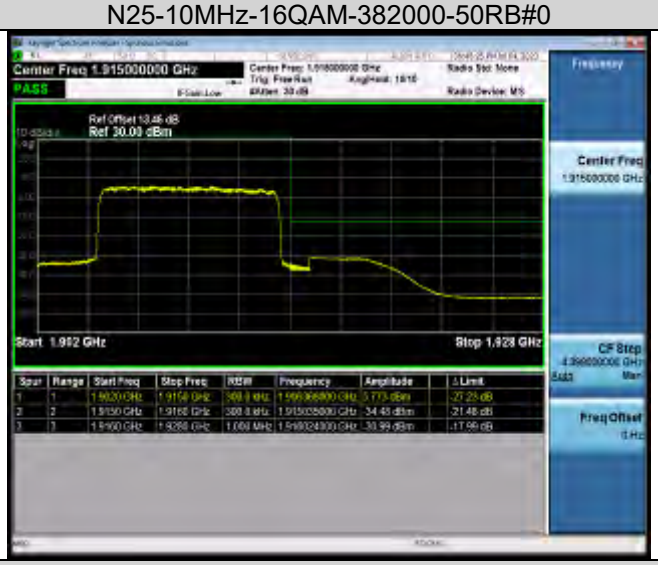
N25-10MHz-QPSK-382000-1RB#49



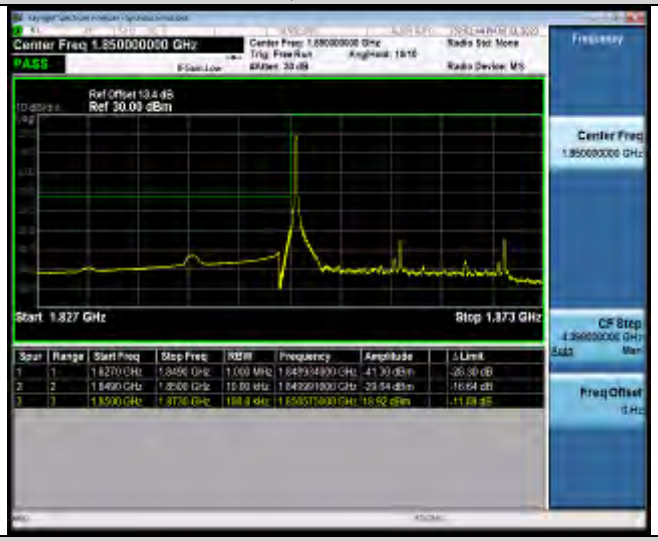
N25-10MHz-QPSK-382000-50RB#0

N25-10MHz-16QAM-382000-1RB#49

N25-10MHz-16QAM-382000-50RB#0

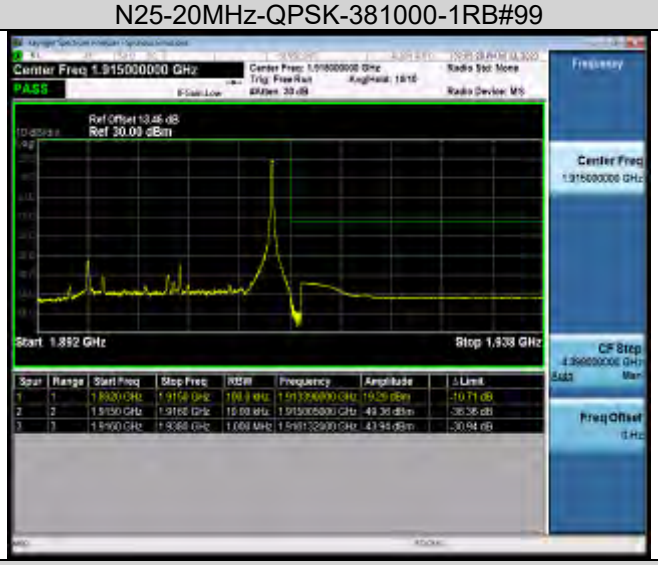


N25-20MHz-QPSK-372000-1RB#0



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

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



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

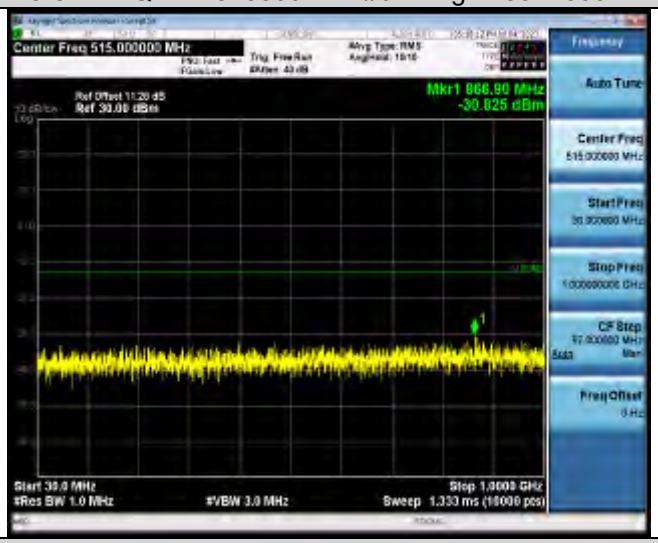
CONDUCTED SPURIOUS EMISSION

Test Result

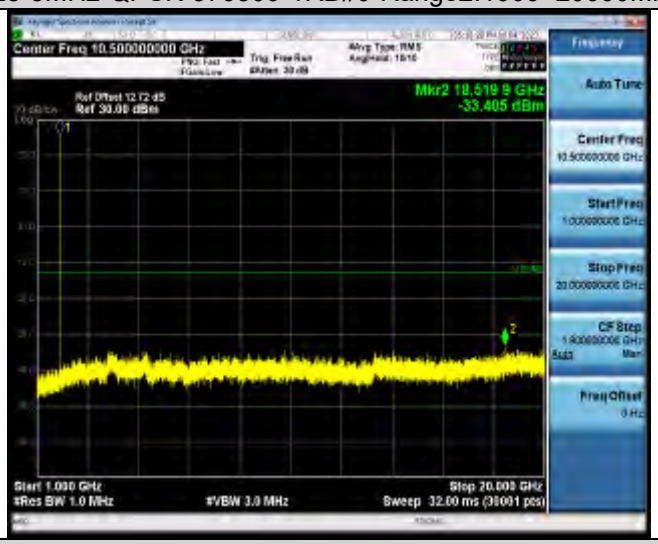
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
N25	5MHz	QPSK	370500	1RB#0	Range1:30~1000MHz	-30.83	PASS
N25	5MHz	QPSK	370500	1RB#0	Range2:1000~20000MHz	-33.41	PASS
N25	5MHz	QPSK	376500	1RB#0	Range1:30~1000MHz	-30.72	PASS
N25	5MHz	QPSK	376500	1RB#0	Range2:1000~20000MHz	-33.98	PASS
N25	5MHz	QPSK	382500	1RB#0	Range1:30~1000MHz	-30.8	PASS
N25	5MHz	QPSK	382500	1RB#0	Range2:1000~20000MHz	-33.77	PASS
N25	10MHz	QPSK	371000	1RB#0	Range1:30~1000MHz	-30.36	PASS
N25	10MHz	QPSK	371000	1RB#0	Range2:1000~20000MHz	-33.51	PASS
N25	10MHz	QPSK	376500	1RB#0	Range1:30~1000MHz	-31.05	PASS
N25	10MHz	QPSK	376500	1RB#0	Range2:1000~20000MHz	-33.21	PASS
N25	10MHz	QPSK	382000	1RB#0	Range1:30~1000MHz	-30.98	PASS
N25	10MHz	QPSK	382000	1RB#0	Range2:1000~20000MHz	-32.91	PASS
N25	20MHz	QPSK	372000	1RB#0	Range1:30~1000MHz	-30.04	PASS
N25	20MHz	QPSK	372000	1RB#0	Range2:1000~20000MHz	-33.51	PASS
N25	20MHz	QPSK	376500	1RB#0	Range1:30~1000MHz	-30.83	PASS
N25	20MHz	QPSK	376500	1RB#0	Range2:1000~20000MHz	-33.38	PASS
N25	20MHz	QPSK	381000	1RB#0	Range1:30~1000MHz	-30.5	PASS
N25	20MHz	QPSK	381000	1RB#0	Range2:1000~20000MHz	-33.44	PASS

Test Graphs

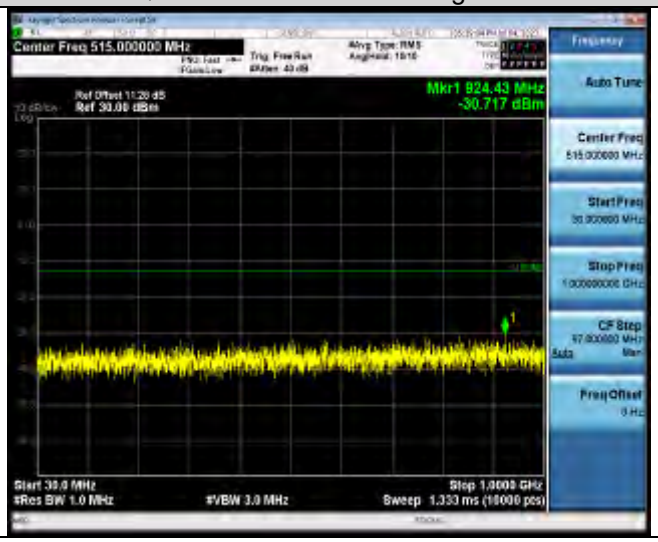
N25-5MHz-QPSK-370500-1RB#0-Range1:30~1000MHz



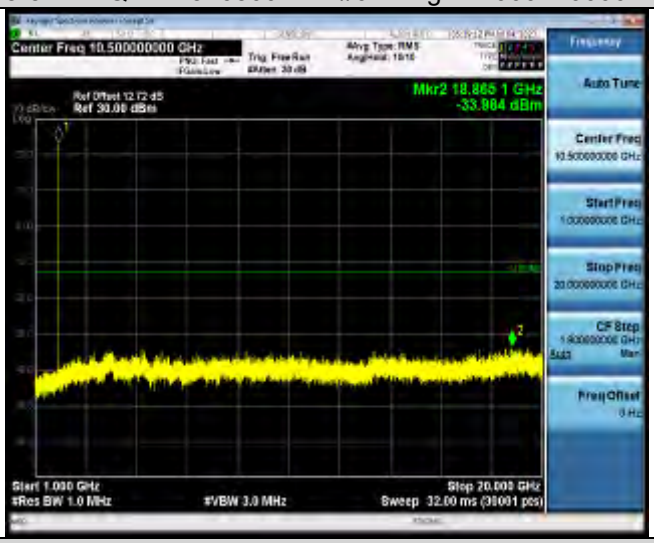
N25-5MHz-QPSK-370500-1RB#0-Range2:1000~20000MHz



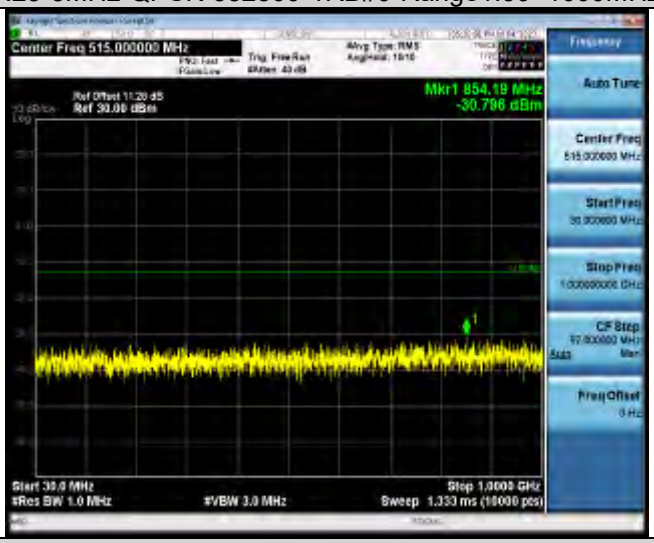
N25-5MHz-QPSK-376500-1RB#0-Range1:30~1000MHz



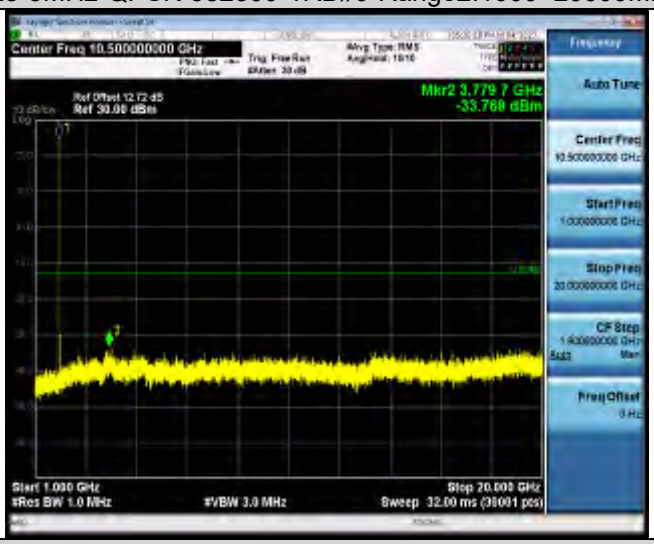
N25-5MHz-QPSK-376500-1RB#0-Range2:1000~20000MHz



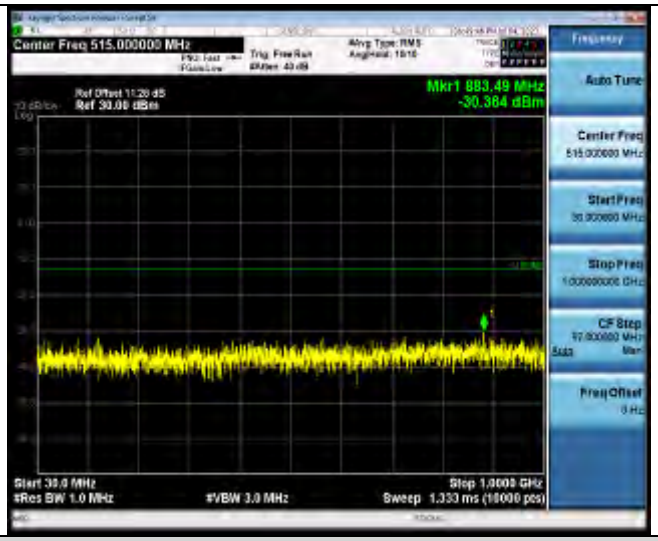
N25-5MHz-QPSK-382500-1RB#0-Range1:30~1000MHz



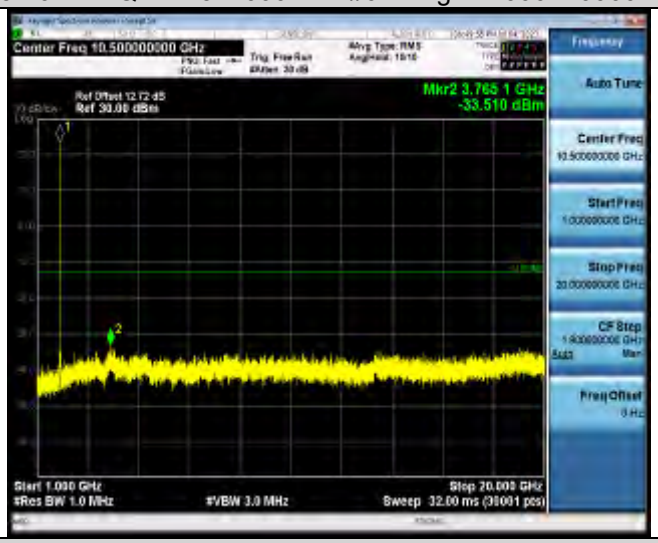
N25-5MHz-QPSK-382500-1RB#0-Range2:1000~20000MHz



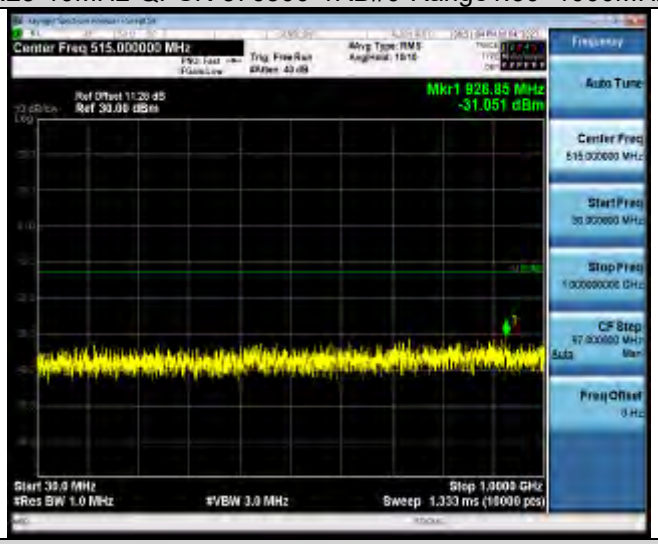
N25-10MHz-QPSK-371000-1RB#0-Range1:30~1000MHz



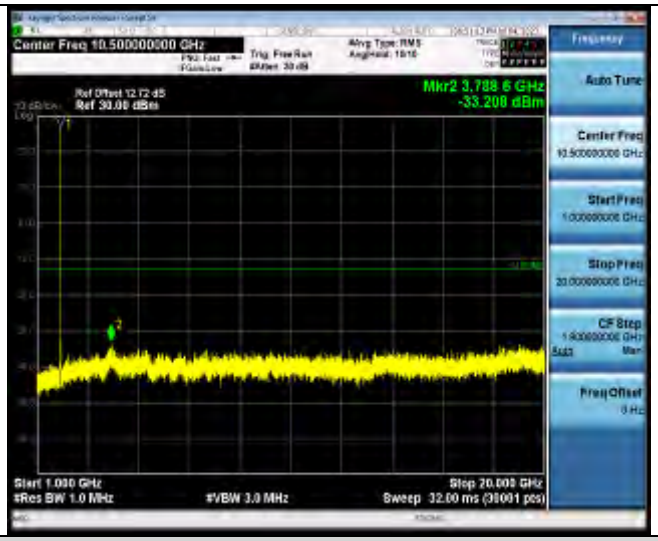
N25-10MHz-QPSK-371000-1RB#0-Range2:1000~20000MHz



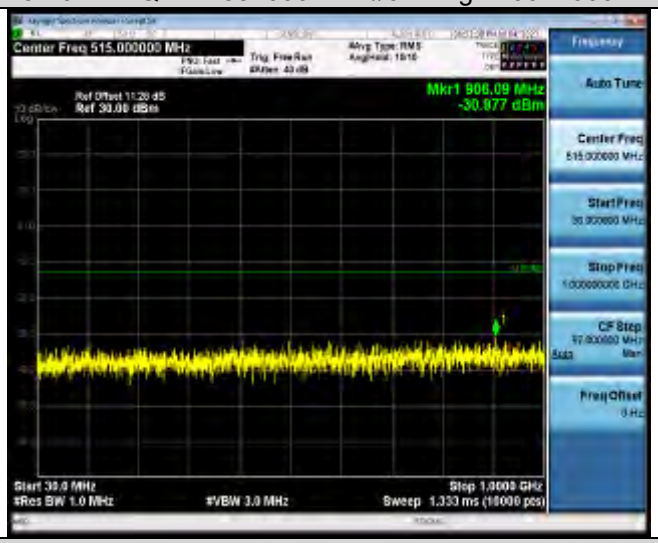
N25-10MHz-QPSK-376500-1RB#0-Range1:30~1000MHz



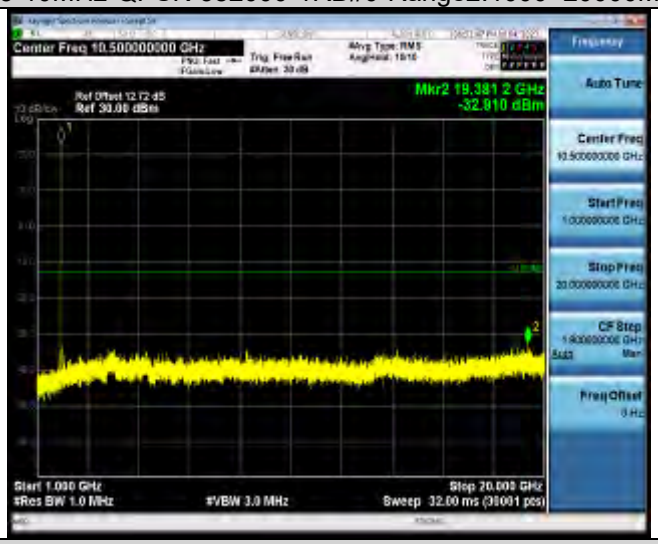
N25-10MHz-QPSK-376500-1RB#0-Range2:1000~20000MHz



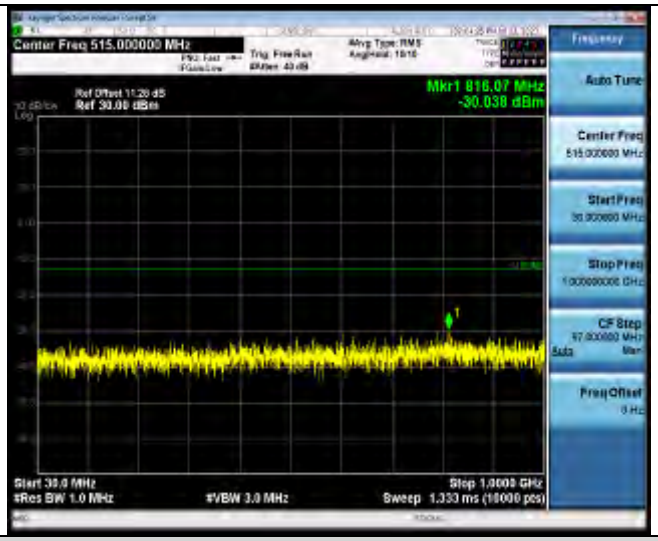
N25-10MHz-QPSK-382000-1RB#0-Range1:30~1000MHz



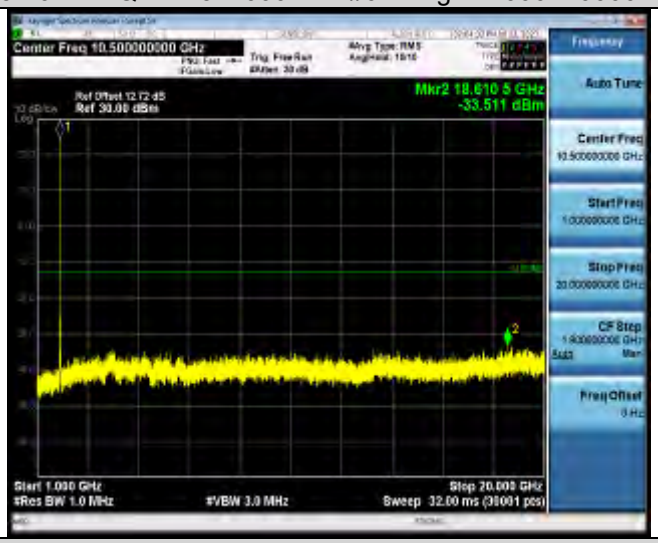
N25-10MHz-QPSK-382000-1RB#0-Range2:1000~20000MHz



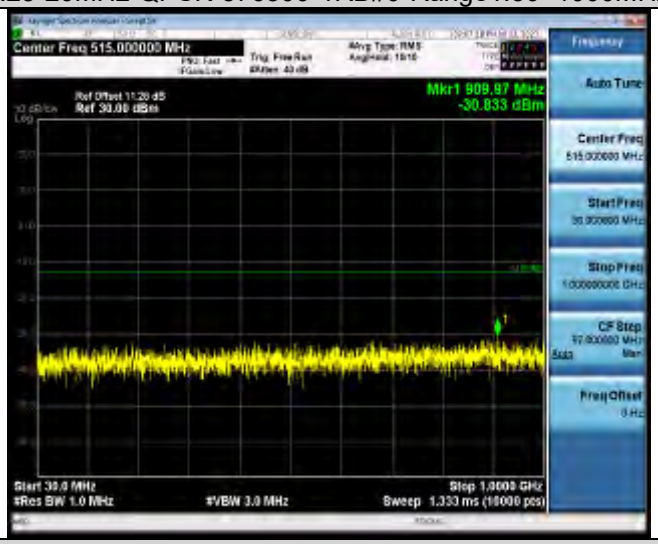
N25-20MHz-QPSK-372000-1RB#0-Range1:30~1000MHz



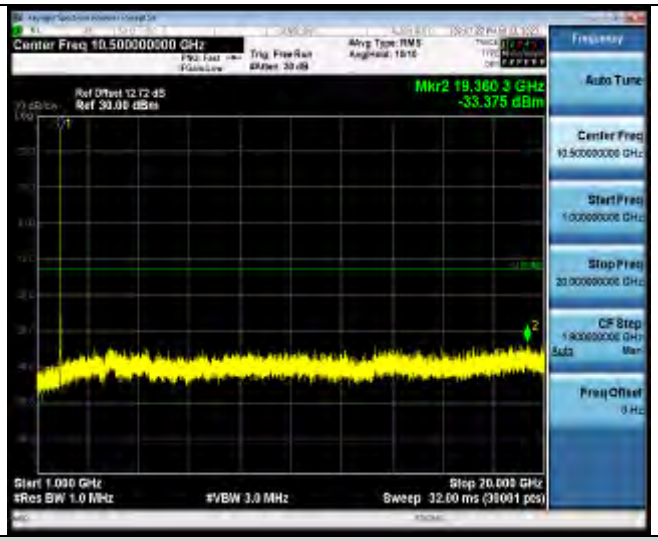
N25-20MHz-QPSK-372000-1RB#0-Range2:1000~20000MHz



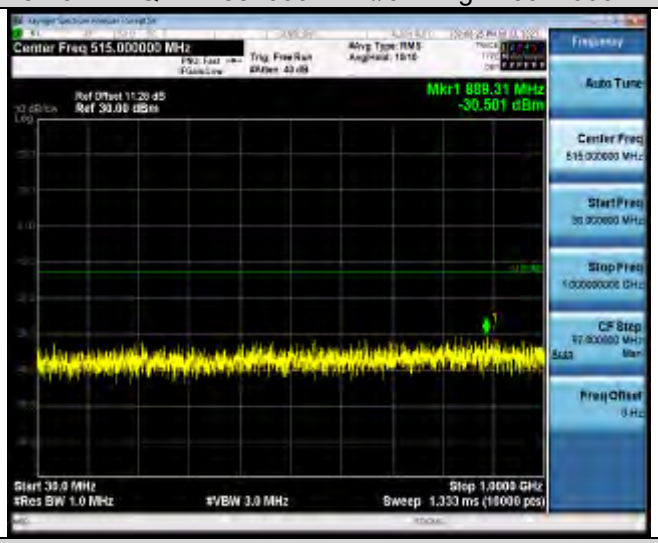
N25-20MHz-QPSK-376500-1RB#0-Range1:30~1000MHz



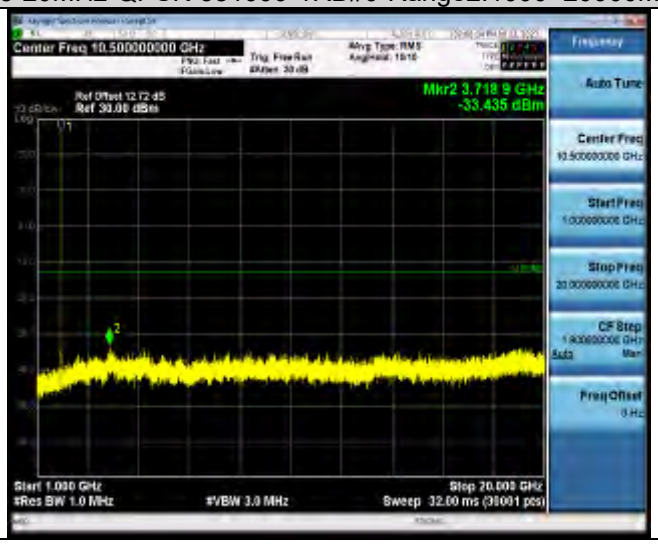
N25-20MHz-QPSK-376500-1RB#0-Range2:1000~20000MHz



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



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



FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N25	20MHz	QPSK	372000	100RB#0	VL	NT	-22.70	-0.01221	±2.5	PASS
N25	20MHz	QPSK	372000	100RB#0	VN	NT	76.17	0.04095	±2.5	PASS
N25	20MHz	QPSK	372000	100RB#0	VH	NT	-5.81	-0.00312	±2.5	PASS
N25	20MHz	QPSK	376500	100RB#0	VL	NT	-48.14	-0.02557	±2.5	PASS
N25	20MHz	QPSK	376500	100RB#0	VN	NT	-51.37	-0.02729	±2.5	PASS
N25	20MHz	QPSK	376500	100RB#0	VH	NT	20.92	0.01111	±2.5	PASS
N25	20MHz	QPSK	381000	100RB#0	VL	NT	41.21	0.02163	±2.5	PASS
N25	20MHz	QPSK	381000	100RB#0	VN	NT	-53.16	-0.02791	±2.5	PASS
N25	20MHz	QPSK	381000	100RB#0	VH	NT	70.50	0.03701	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N25	20MHz	QPSK	372000	100RB#0	NV	-30	-44.85	-0.02411	±2.5	PASS
N25	20MHz	QPSK	372000	100RB#0	NV	-20	-17.49	-0.00941	±2.5	PASS
N25	20MHz	QPSK	372000	100RB#0	NV	-10	-0.43	-0.00023	±2.5	PASS
N25	20MHz	QPSK	372000	100RB#0	NV	0	20.23	0.01088	±2.5	PASS
N25	20MHz	QPSK	372000	100RB#0	NV	10	90.97	0.04891	±2.5	PASS
N25	20MHz	QPSK	372000	100RB#0	NV	20	-2.17	-0.00117	±2.5	PASS
N25	20MHz	QPSK	372000	100RB#0	NV	30	-40.92	-0.02200	±2.5	PASS
N25	20MHz	QPSK	372000	100RB#0	NV	40	-26.86	-0.01444	±2.5	PASS
N25	20MHz	QPSK	372000	100RB#0	NV	50	9.48	0.00510	±2.5	PASS
N25	20MHz	QPSK	376500	100RB#0	NV	-30	-19.69	-0.01046	±2.5	PASS
N25	20MHz	QPSK	376500	100RB#0	NV	-20	-58.22	-0.03093	±2.5	PASS
N25	20MHz	QPSK	376500	100RB#0	NV	-10	0.22	0.00012	±2.5	PASS
N25	20MHz	QPSK	376500	100RB#0	NV	0	-7.13	-0.00379	±2.5	PASS
N25	20MHz	QPSK	376500	100RB#0	NV	10	-76.63	-0.04071	±2.5	PASS
N25	20MHz	QPSK	376500	100RB#0	NV	20	35.11	0.01865	±2.5	PASS
N25	20MHz	QPSK	376500	100RB#0	NV	30	-27.82	-0.01478	±2.5	PASS
N25	20MHz	QPSK	376500	100RB#0	NV	40	55.91	0.02970	±2.5	PASS
N25	20MHz	QPSK	376500	100RB#0	NV	50	59.52	0.03162	±2.5	PASS
N25	20MHz	QPSK	381000	100RB#0	NV	-30	-58.75	-0.03084	±2.5	PASS
N25	20MHz	QPSK	381000	100RB#0	NV	-20	30.21	0.01586	±2.5	PASS
N25	20MHz	QPSK	381000	100RB#0	NV	-10	46.54	0.02443	±2.5	PASS

N25	20MHz	QPSK	381000	100RB#0	NV	0	-36.61	-0.01922	±2.5	PASS
N25	20MHz	QPSK	381000	100RB#0	NV	10	-62.73	-0.03293	±2.5	PASS
N25	20MHz	QPSK	381000	100RB#0	NV	20	-44.56	-0.02339	±2.5	PASS
N25	20MHz	QPSK	381000	100RB#0	NV	30	-22.56	-0.01184	±2.5	PASS
N25	20MHz	QPSK	381000	100RB#0	NV	40	-77.77	-0.04083	±2.5	PASS
N25	20MHz	QPSK	381000	100RB#0	NV	50	55.46	0.02911	±2.5	PASS

N41 INCLUDING N38

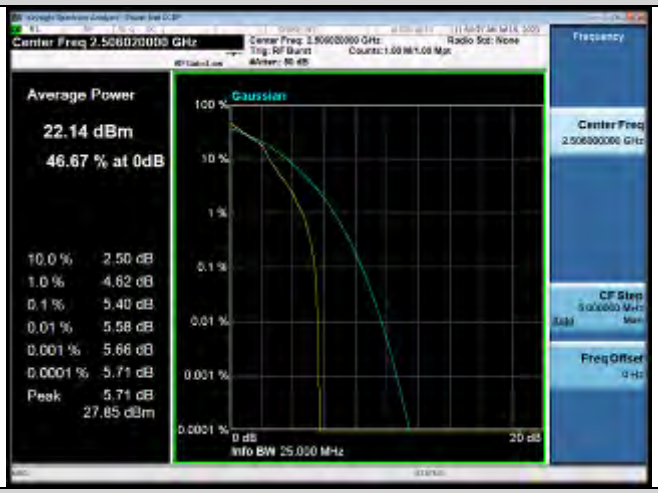
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

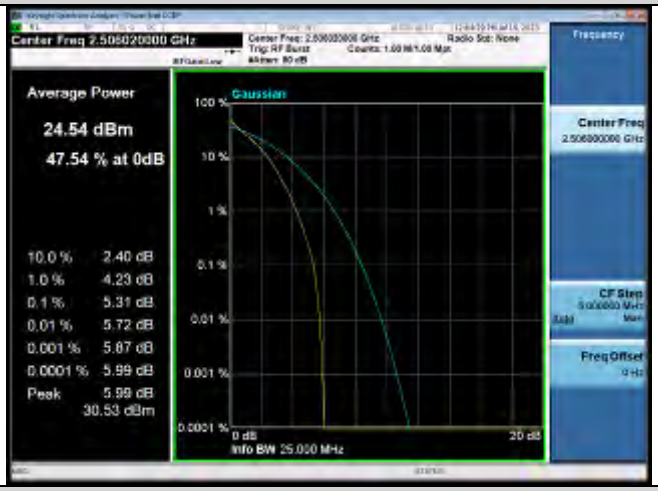
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
N41	20MHz	QPSK	501204	1RB#0	5.40	13	PASS
N41	20MHz	QPSK	501204	50RB#0	5.31	13	PASS
N41	20MHz	QPSK	518598	1RB#0	5.44	13	PASS
N41	20MHz	QPSK	518598	50RB#0	5.32	13	PASS
N41	20MHz	QPSK	535998	1RB#0	5.50	13	PASS
N41	20MHz	QPSK	535998	50RB#0	5.42	13	PASS

Test Graphs

N41-20MHz-QPSK-501204-1RB#0

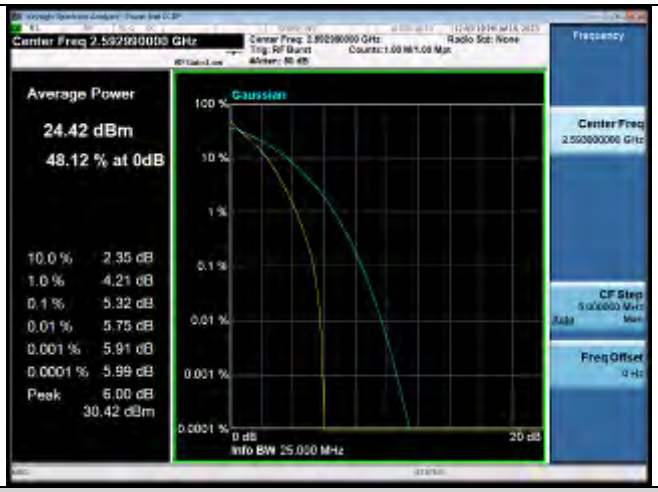


N41-20MHz-QPSK-501204-50RB#0

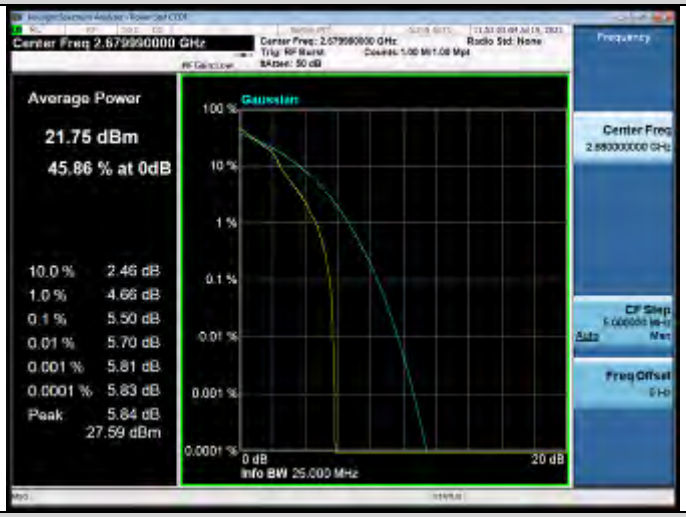


N41-20MHz-QPSK-518598-1RB#0

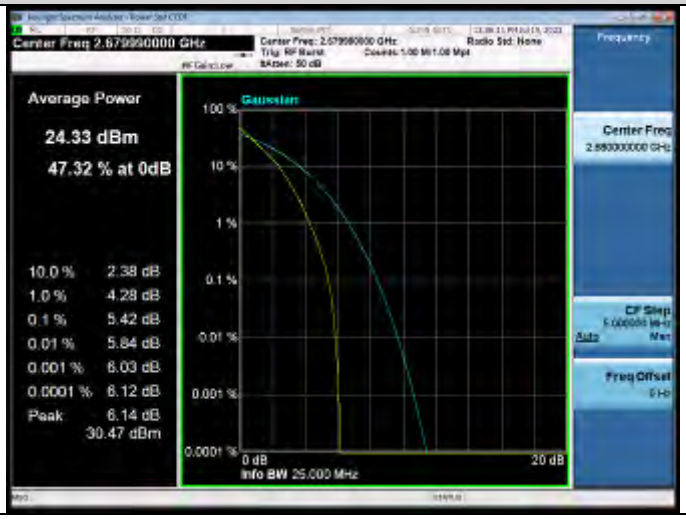
N41-20MHz-QPSK-518598-50RB#0



N41-20MHz-QPSK-535998-1RB#0



N41-20MHz-QPSK-535998-50RB#0



26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

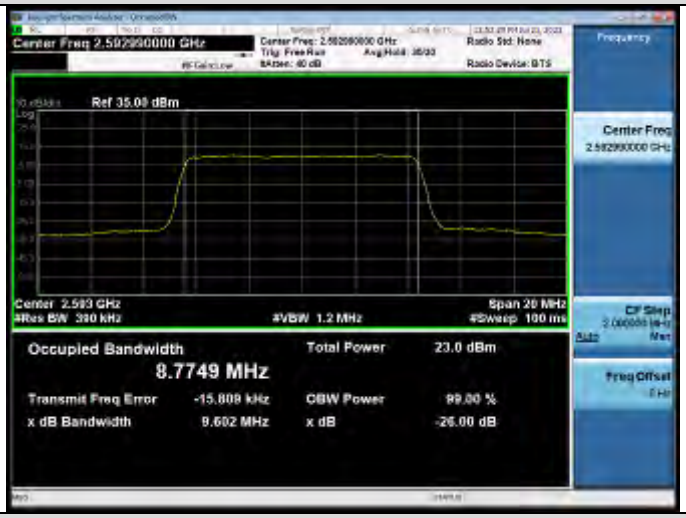
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
N41	10MHz	QPSK	518598	24RB#0	8.8003	9.596	PASS
N41	10MHz	16QAM	518598	24RB#0	8.7749	9.602	PASS
N41	10MHz	64QAM	518598	24RB#0	8.7553	9.592	PASS
N41	10MHz	BPSK	518598	24RB#0	8.7508	9.581	PASS
N41	10MHz	256QAM	518598	24RB#0	8.7568	9.589	PASS
N41	15MHz	QPSK	518598	36RB#0	12.971	13.94	PASS
N41	15MHz	16QAM	518598	36RB#0	13.016	13.93	PASS
N41	15MHz	64QAM	518598	36RB#0	12.936	13.91	PASS
N41	15MHz	BPSK	518598	36RB#0	13.021	13.96	PASS
N41	15MHz	256QAM	518598	36RB#0	13.003	13.96	PASS
N41	20MHz	QPSK	518598	50RB#0	17.923	18.99	PASS
N41	20MHz	16QAM	518598	50RB#0	17.901	18.98	PASS
N41	20MHz	64QAM	518598	50RB#0	17.922	19.00	PASS
N41	20MHz	256QAM	518598	50RB#0	17.940	18.94	PASS
N41	20MHz	BPSK	518598	50RB#0	17.945	19.03	PASS
N41	40MHz	QPSK	518598	100RB#0	35.707	37.06	PASS
N41	40MHz	16QAM	518598	100RB#0	35.746	37.08	PASS
N41	40MHz	64QAM	518598	100RB#0	35.693	37.05	PASS
N41	40MHz	BPSK	518598	100RB#0	35.733	37.06	PASS
N41	40MHz	256QAM	518598	100RB#0	35.663	37.06	PASS
N41	50MHz	QPSK	518598	128RB#0	45.716	47.45	PASS
N41	50MHz	16QAM	518598	128RB#0	45.713	47.48	PASS
N41	50MHz	64QAM	518598	128RB#0	45.776	47.45	PASS
N41	50MHz	BPSK	518598	128RB#0	45.710	47.45	PASS
N41	50MHz	50MHz	518598	128RB#0	45.686	47.46	PASS
N41	50MHz	256QAM	518598	128RB#0	45.724	47.46	PASS
N41	60MHz	QPSK	518598	162RB#0	57.831	59.91	PASS
N41	60MHz	16QAM	518598	162RB#0	57.856	59.93	PASS
N41	60MHz	64QAM	518598	162RB#0	57.821	59.94	PASS
N41	60MHz	BPSK	518598	162RB#0	57.829	59.93	PASS
N41	60MHz	256QAM	518598	162RB#0	57.864	59.94	PASS
N41	80MHz	QPSK	518598	216RB#0	77.250	80.20	PASS
N41	80MHz	16QAM	518598	216RB#0	77.223	80.20	PASS
N41	80MHz	64QAM	518598	216RB#0	77.200	80.20	PASS
N41	80MHz	256QAM	518598	216RB#0	77.125	80.19	PASS
N41	80MHz	BPSK	518598	216RB#0	77.199	80.21	PASS
N41	90MHz	QPSK	518598	240RB#0	85.665	88.87	PASS
N41	90MHz	16QAM	518598	240RB#0	85.803	88.93	PASS
N41	90MHz	64QAM	518598	240RB#0	85.746	88.91	PASS
N41	90MHz	256QAM	518598	240RB#0	85.763	88.91	PASS
N41	90MHz	BPSK	518598	240RB#0	85.755	88.93	PASS
N41	100MHz	QPSK	518598	270RB#0	96.302	99.60	PASS
N41	100MHz	16QAM	518598	270RB#0	96.297	99.59	PASS

N41	100MHz	64QAM	518598	270RB#0	96.220	99.56	PASS
N41	100MHz	256QAM	518598	270RB#0	96.389	99.59	PASS
N41	100MHz	BPSK	518598	270RB#0	96.277	99.56	PASS

Test Graphs

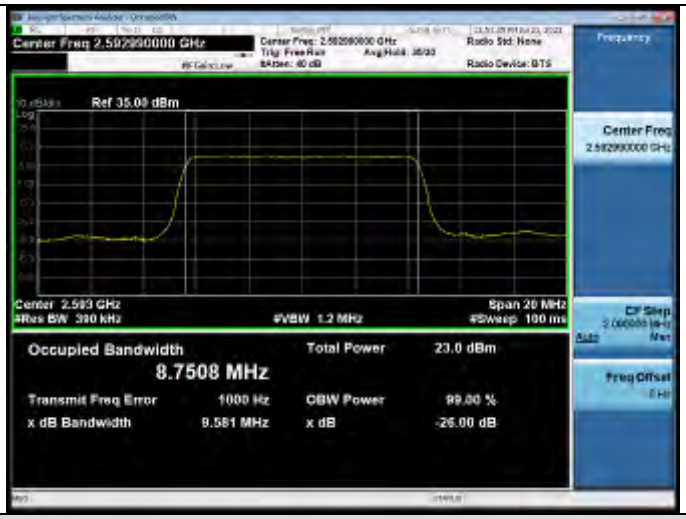
N41-10MHz-QPSK-518598-24RB#0

N41-10MHz-16QAM-518598-24RB#0



N41-10MHz-64QAM-518598-24RB#0

N41-10MHz-BPSK-518598-24RB#0



N41-10MHz-256QAM-518598-24RB#0

N41-15MHz-QPSK-518598-36RB#0

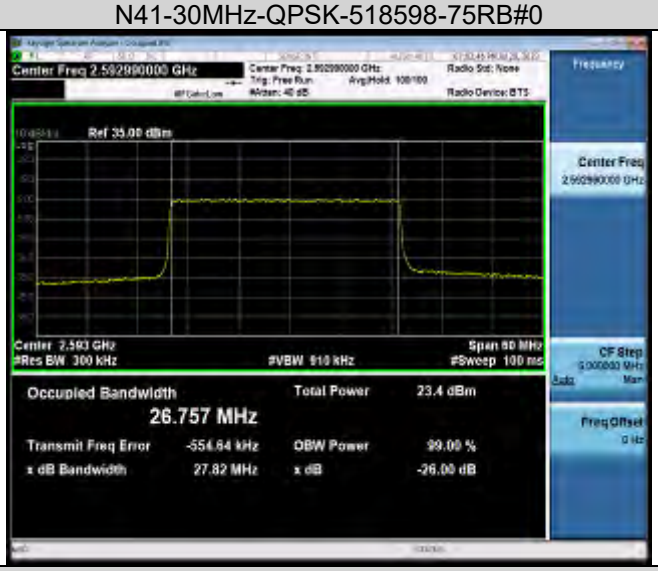
N41-15MHz-16QAM-518598-36RB#0

N41-15MHz-64QAM-518598-36RB#0

N41-15MHz-BPSK-518598-36RB#0

N41-15MHz-256QAM-518598-36RB#0

N41-30MHz-QPSK-518598-75RB#0



N41-30MHz-16QAM-518598-75RB#0

N41-30MHz-64QAM-518598-75RB#0

N41-40MHz-QPSK-518598-100RB#0

N41-40MHz-16QAM-518598-100RB#0

N41-40MHz-64QAM-518598-100RB#0

N41-40MHz-256QAM-518598-100RB#0

N41-40MHz-BPSK-518598-100RB#0

N41-50MHz-QPSK-518598-128RB#0

N41-50MHz-16QAM-518598-128RB#0

N41-50MHz-64QAM-518598-128RB#0

N41-50MHz-BPSK-518598-128RB#0

N41-50MHz-256QAM-518598-128RB#0

N41-50MHz-50MHz-518598-128RB#0

N41-60MHz-QPSK-518598-162RB#0

N41-60MHz-16QAM-518598-162RB#0

N41-60MHz-64QAM-518598-162RB#0

N41-60MHz-BPSK-518598-162RB#0

N41-60MHz-256QAM-518598-162RB#0

N41-80MHz-QPSK-518598-216RB#0

N41-80MHz-16QAM-518598-216RB#0

N41-80MHz-64QAM-518598-216RB#0

N41-80MHz-256QAM-518598-216RB#0

N41-80MHz-BPSK-518598-216RB#0

N41-90MHz-QPSK-518598-240RB#0

N41-90MHz-16QAM-518598-240RB#0

N41-90MHz-64QAM-518598-240RB#0

N41-90MHz-256QAM-518598-240RB#0

N41-90MHz-BPSK-518598-240RB#0

N41-100MHz-QPSK-518598-270RB#0

N41-100MHz-16QAM-518598-270RB#0

N41-100MHz-64QAM-518598-270RB#0

N41-100MHz-BPSK-518598-270RB#0

N41-100MHz-256QAM-518598-270RB#0

Center Freq 2.592990000 GHz
Ref 35.00 dBm
Center 2.593 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 200 MHz
#Sweep 100 ms
Occupied Bandwidth
96.277 MHz
Total Power 21.6 dBm
Transmit Freq Error -608.09 kHz
OBW Power 99.00 %
x dB Bandwidth 99.56 MHz
x dB -26.00 dB
Frequency
Center Freq
CF Step
Freq Offset

BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
N41	10MHz	QPSK	500202	1RB#0	-45.88,-40.58,-32.09	PASS
N41	10MHz	QPSK	500202	24RB#0	-32.98,-28.55,-40.65	PASS
N41	10MHz	QPSK	537000	1RB#23	-34.83,-40.94,-45.93	PASS
N41	10MHz	QPSK	537000	24RB#0	-42.62,-33.27,-36.92	PASS
N41	50MHz	QPSK	504204	1RB#0	-44.39,-40.53,-30.37	PASS
N41	50MHz	QPSK	504204	128RB#0	-33.76,-32.04,-34.79	PASS
N41	50MHz	QPSK	532998	1RB#132	-31.78,-40.87,-44.39	PASS
N41	50MHz	QPSK	532998	128RB#0	-30.20,-30.12,-31.14	PASS
N41	100MHz	QPSK	509202	1RB#0	-44.68,-38.79,-30.37	PASS
N41	100MHz	QPSK	509202	270RB#0	-36.61,-35.92,-33.76	PASS
N41	100MHz	QPSK	528000	1RB#272	-31.50,-38.87,-45.77	PASS
N41	100MHz	QPSK	528000	270RB#0	-29.84,-29.54,-29.90	PASS

Test Graphs

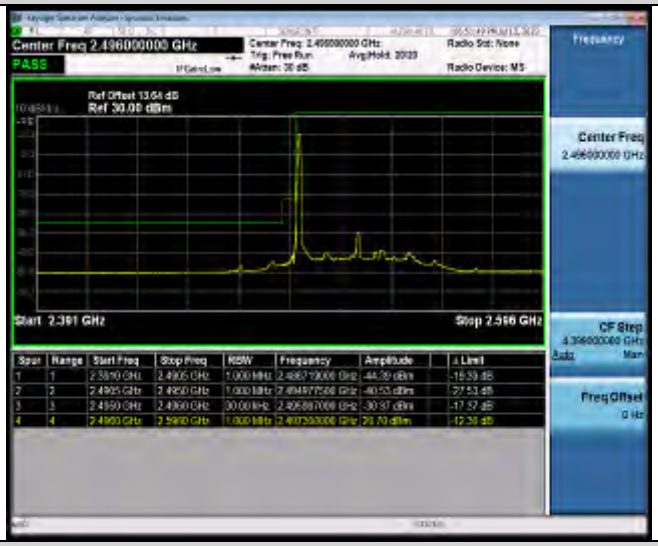
N41-10MHz-QPSK-500202-1RB#0

N41-10MHz-QPSK-500202-24RB#0

N41-10MHz-QPSK-537000-1RB#23

N41-10MHz-QPSK-537000-24RB#0

N41-50MHz-QPSK-504204-1RB#0

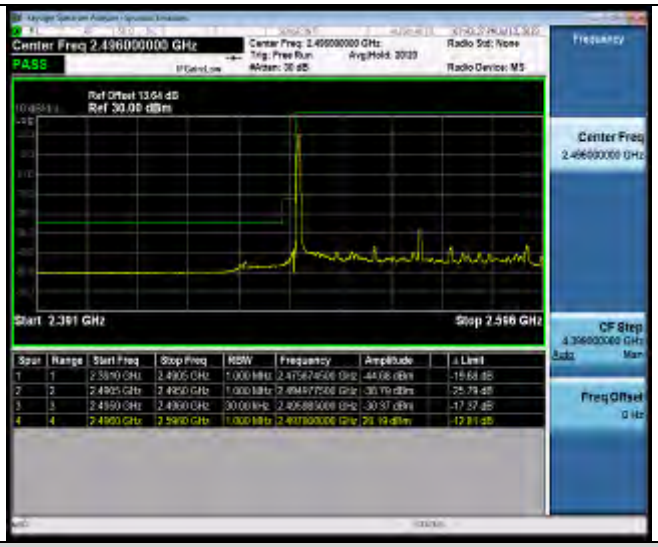


N41-50MHz-QPSK-504204-128RB#0

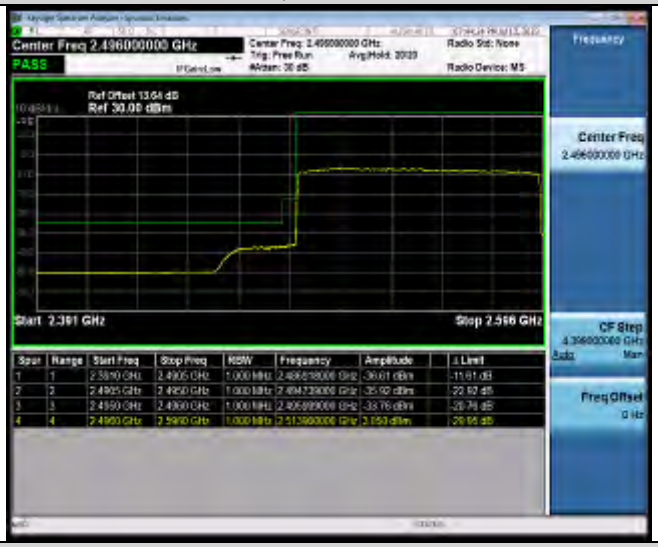
N41-50MHz-QPSK-532998-1RB#132

N41-50MHz-QPSK-532998-128RB#0

N41-100MHz-QPSK-509202-1RB#0



N41-100MHz-QPSK-509202-270RB#0



N41-100MHz-QPSK-528000-1RB#272

N41-100MHz-QPSK-528000-270RB#0

Center Freq 2.690000000 GHz
PASS
Ref Offset 13.01 dB
Ref 30.00 dBm
Start 2.59 GHz
Stop 2.75 GHz
Frequency
Center Freq
CF Step
Freq Offset

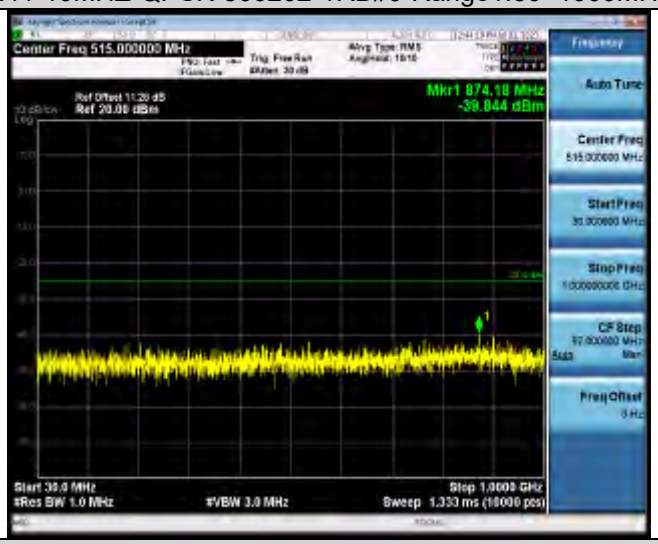
CONDUCTED SPURIOUS EMISSION

Test Result

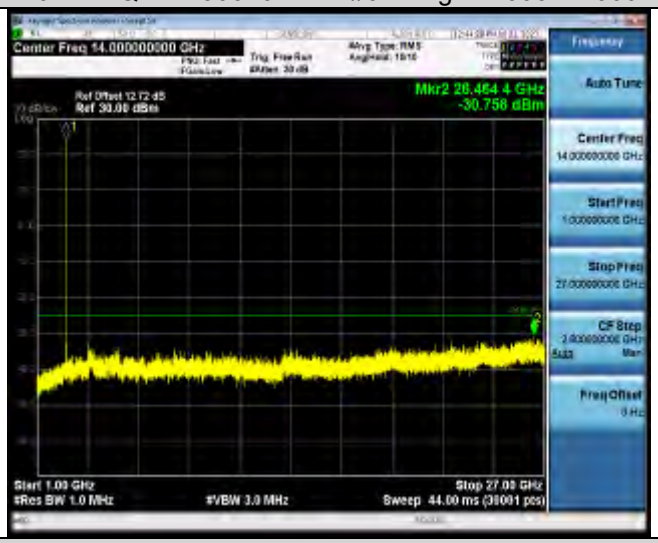
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
N41	10MHZ	QPSK	500202	1RB#0	Range1:30~1000MHz	-39.84	PASS
N41	10MHZ	QPSK	500202	1RB#0	Range2:1000~27000MHz	-30.76	PASS
N41	10MHZ	QPSK	518598	1RB#0	Range1:30~1000MHz	-41.1	PASS
N41	10MHZ	QPSK	518598	1RB#0	Range2:1000~27000MHz	-30.95	PASS
N41	10MHZ	QPSK	537000	1RB#0	Range1:30~1000MHz	-39.72	PASS
N41	10MHZ	QPSK	537000	1RB#0	Range2:1000~27000MHz	-30.95	PASS
N41	50MHz	QPSK	504204	1RB#0	Range1:30~1000MHz	-40.08	PASS
N41	50MHz	QPSK	504204	1RB#0	Range2:1000~27000MHz	-30.5	PASS
N41	50MHz	QPSK	518598	1RB#0	Range1:30~1000MHz	-41.34	PASS
N41	50MHz	QPSK	518598	1RB#0	Range2:1000~27000MHz	-31.35	PASS
N41	50MHz	QPSK	532998	1RB#0	Range1:30~1000MHz	-41.3	PASS
N41	50MHz	QPSK	532998	1RB#0	Range2:1000~27000MHz	-30.72	PASS
N41	100MHz	QPSK	509202	1RB#0	Range1:30~1000MHz	-40.58	PASS
N41	100MHz	QPSK	509202	1RB#0	Range2:1000~27000MHz	-30.94	PASS
N41	100MHz	QPSK	518598	1RB#0	Range1:30~1000MHz	-41.71	PASS
N41	100MHz	QPSK	518598	1RB#0	Range2:1000~27000MHz	-30.9	PASS
N41	100MHz	QPSK	528000	1RB#0	Range1:30~1000MHz	-39.51	PASS
N41	100MHz	QPSK	528000	1RB#0	Range2:1000~27000MHz	-29.94	PASS

Test Graphs

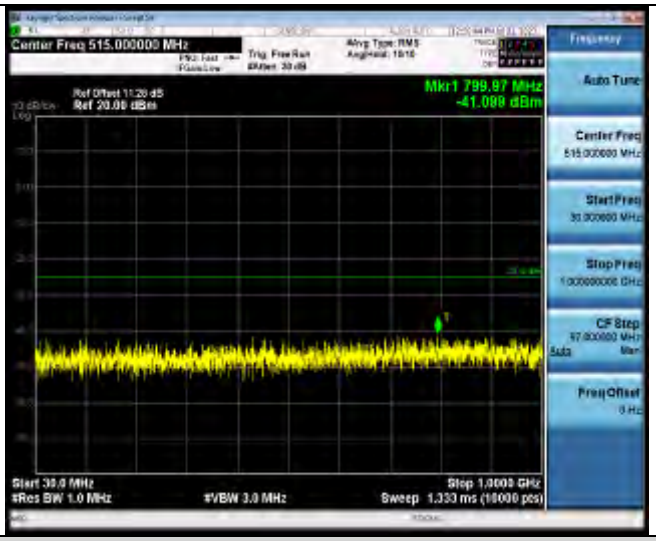
N41-10MHZ-QPSK-500202-1RB#0-Range1:30~1000MHz



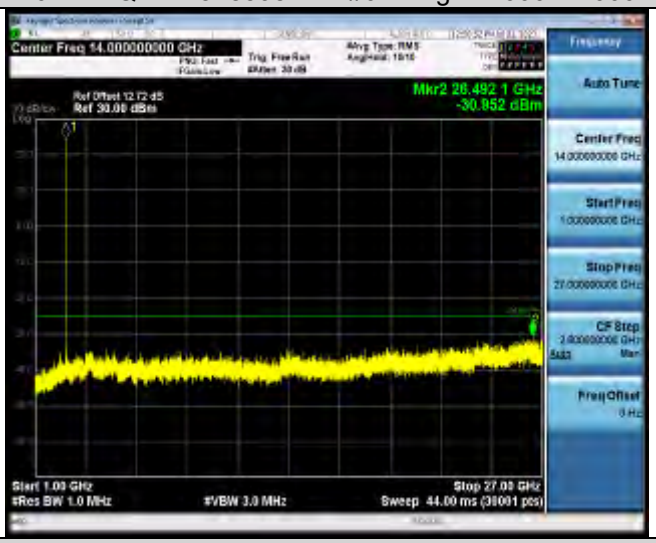
N41-10MHZ-QPSK-500202-1RB#0-Range2:1000~27000MHz



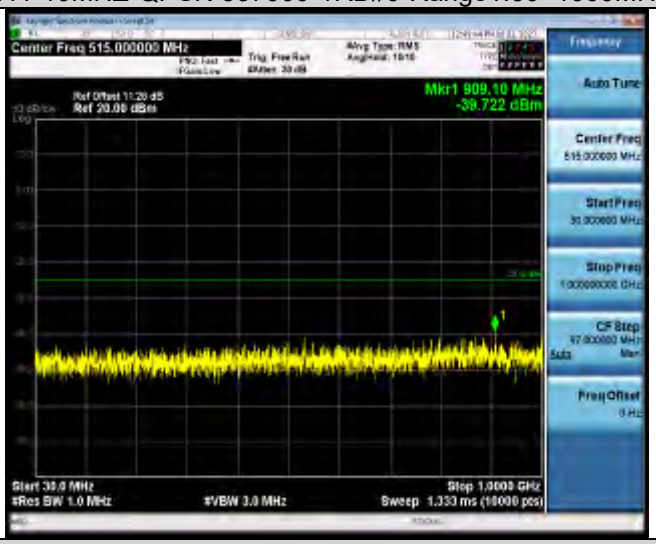
N41-10MHZ-QPSK-518598-1RB#0-Range1:30~1000MHz



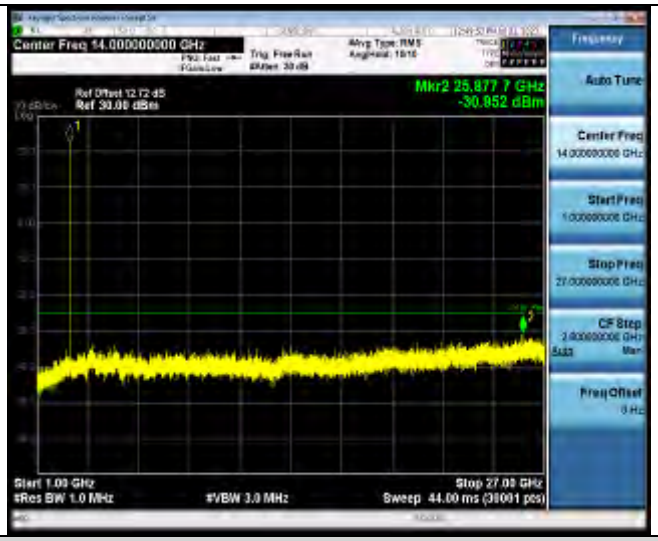
N41-10MHZ-QPSK-518598-1RB#0-Range2:1000~27000MHz



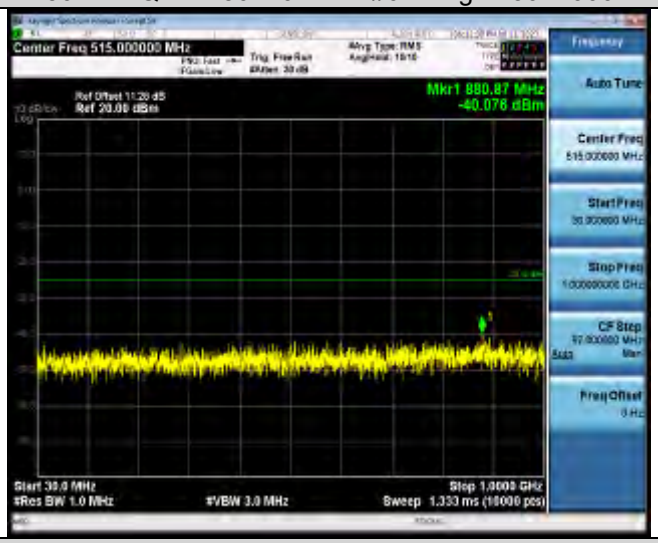
N41-10MHZ-QPSK-537000-1RB#0-Range1:30~1000MHz



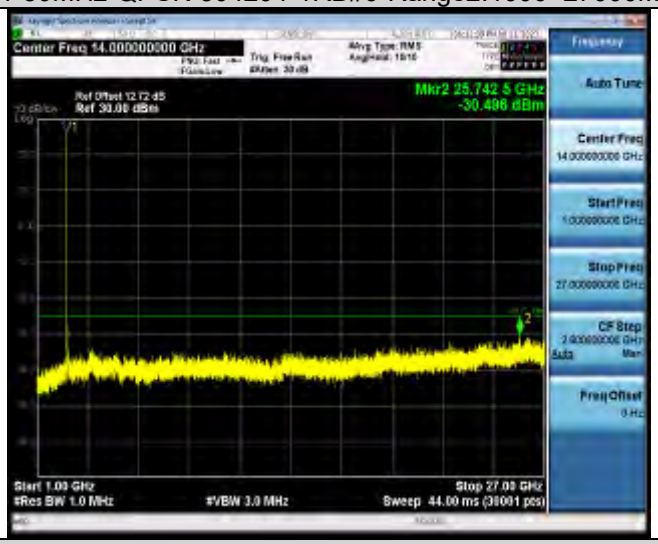
N41-10MHZ-QPSK-537000-1RB#0-Range2:1000~27000MHz



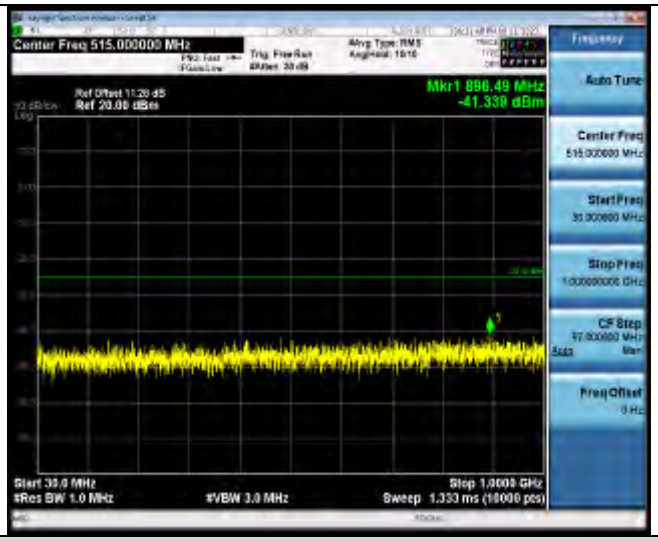
N41-50MHz-QPSK-504204-1RB#0-Range1:30~1000MHz



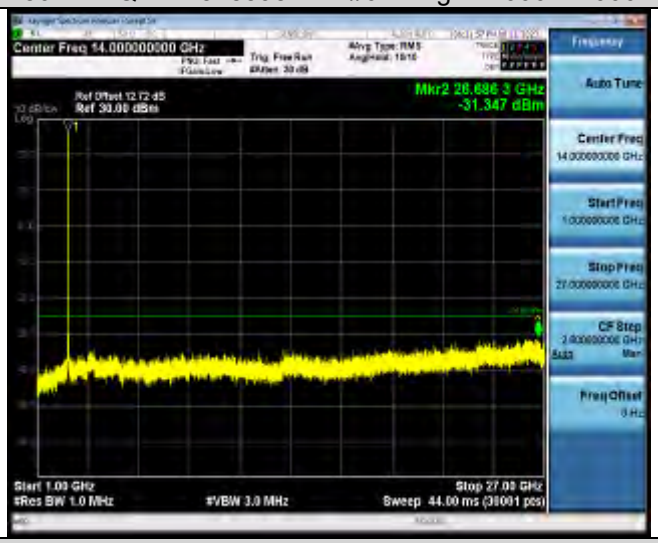
N41-50MHz-QPSK-504204-1RB#0-Range2:1000~27000MHz



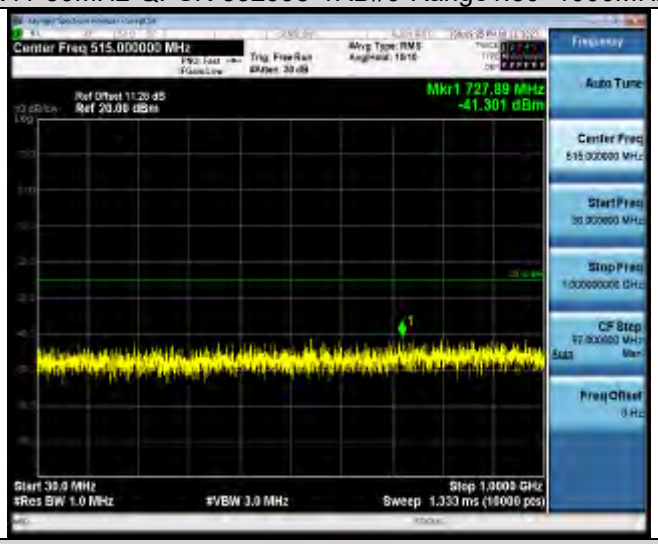
N41-50MHz-QPSK-518598-1RB#0-Range1:30~1000MHz



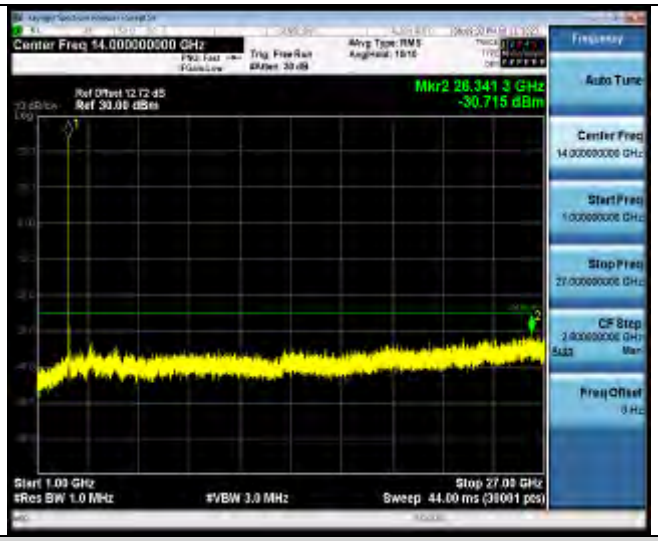
N41-50MHz-QPSK-518598-1RB#0-Range2:1000~27000MHz



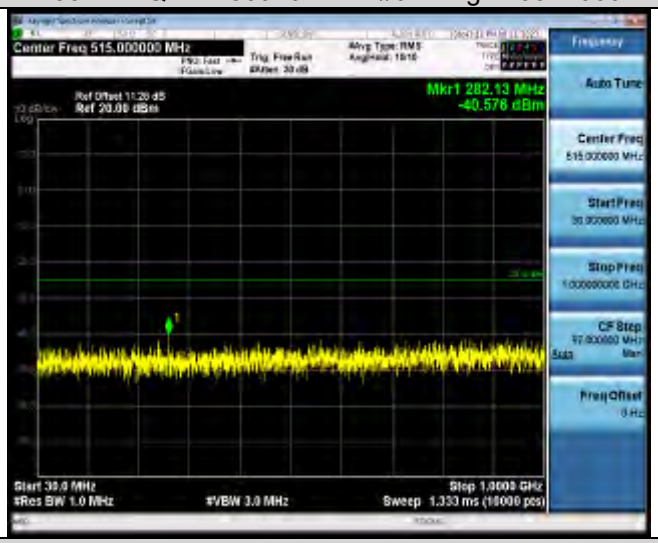
N41-50MHz-QPSK-532998-1RB#0-Range1:30~1000MHz



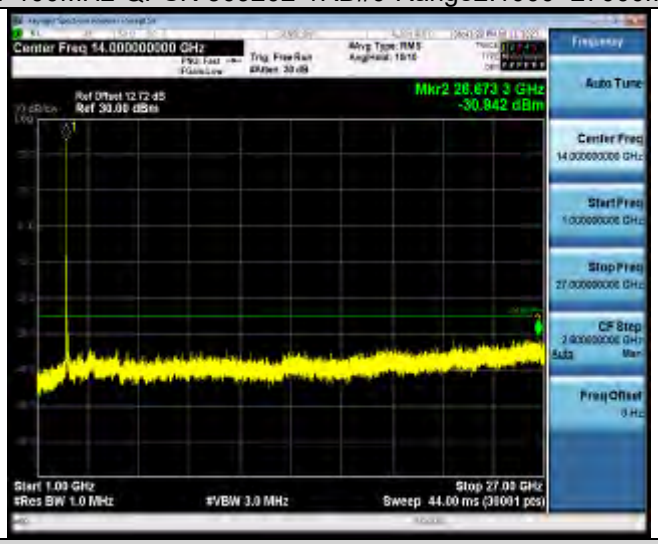
N41-50MHz-QPSK-532998-1RB#0-Range2:1000~27000MHz



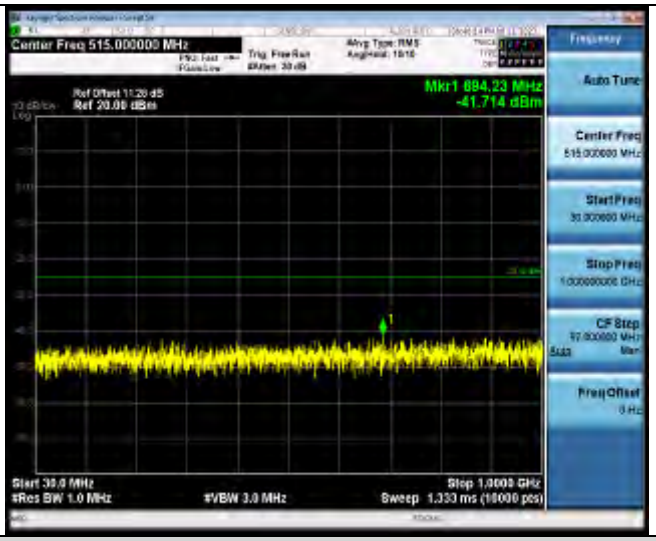
N41-100MHz-QPSK-509202-1RB#0-Range1:30~1000MHz



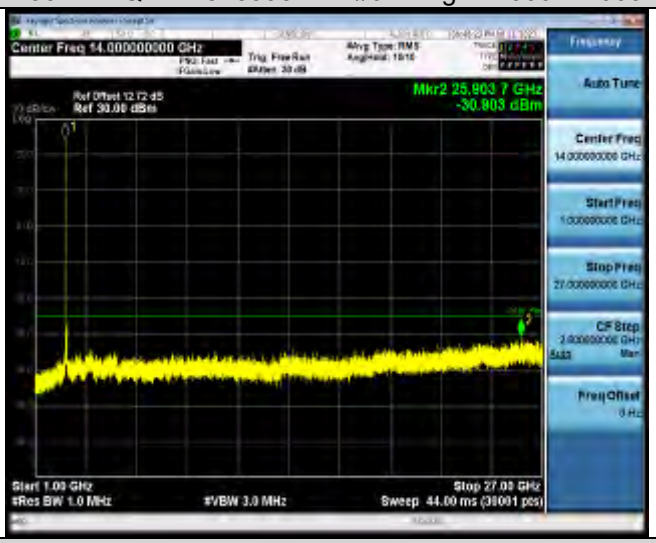
N41-100MHz-QPSK-509202-1RB#0-Range2:1000~27000MHz



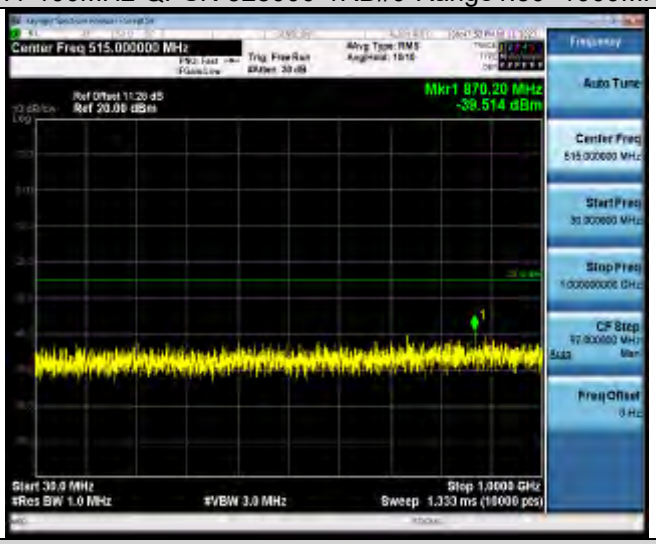
N41-100MHz-QPSK-518598-1RB#0-Range1:30~1000MHz



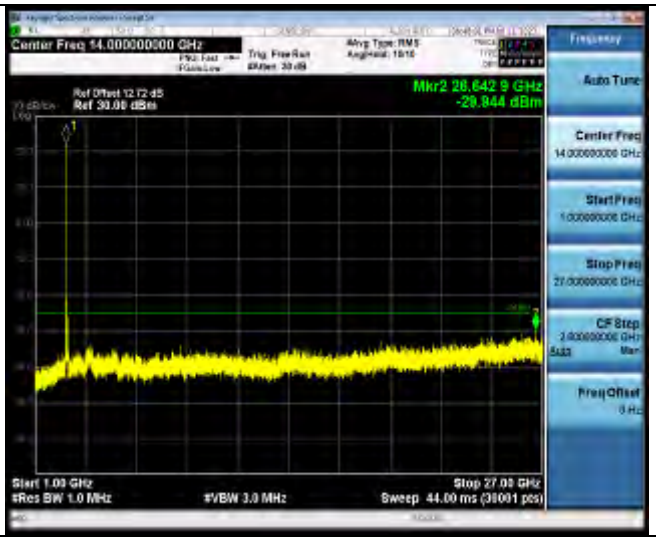
N41-100MHz-QPSK-518598-1RB#0-Range2:1000~27000MHz



N41-100MHz-QPSK-528000-1RB#0-Range1:30~1000MHz



N41-100MHz-QPSK-528000-1RB#0-Range2:1000~27000MHz


Center Freq 14.000000000 GHz
Trig: Free Run
Avg Type: RMS
Ref Offset 12.72 dB
Ref 30.00 dBm
Mkr2 26.642 9 GHz
-29.944 dBm
Frequency
Auto Tune
Center Freq
Start Freq
Stop Freq
CF Step
Freq Offset
Start 1.00 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 27.00 GHz
Sweep 44.00 ms (38001 pts)

FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N41	20MHz	QPSK	501204	100RB#0	VL	NT	-81.10	-0.03236	±2.5	PASS
N41	20MHz	QPSK	501204	100RB#0	VN	NT	91.91	0.03668	±2.5	PASS
N41	20MHz	QPSK	501204	100RB#0	VH	NT	-12.37	-0.00494	±2.5	PASS
N41	20MHz	QPSK	518598	100RB#0	VL	NT	55.53	0.02141	±2.5	PASS
N41	20MHz	QPSK	518598	100RB#0	VN	NT	-46.29	-0.01785	±2.5	PASS
N41	20MHz	QPSK	518598	100RB#0	VH	NT	-59.35	-0.02289	±2.5	PASS
N41	20MHz	QPSK	535998	100RB#0	VL	NT	-89.86	-0.03353	±2.5	PASS
N41	20MHz	QPSK	535998	100RB#0	VN	NT	-44.40	-0.01657	±2.5	PASS
N41	20MHz	QPSK	535998	100RB#0	VH	NT	-68.34	-0.02550	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N41	20MHz	QPSK	501204	100RB#0	NV	-30	7.16	0.00286	±2.5	PASS
N41	20MHz	QPSK	501204	100RB#0	NV	-20	67.00	0.02673	±2.5	PASS
N41	20MHz	QPSK	501204	100RB#0	NV	0	3.71	0.00148	±2.5	PASS
N41	20MHz	QPSK	501204	100RB#0	NV	10	-82.84	-0.03306	±2.5	PASS
N41	20MHz	QPSK	501204	100RB#0	NV	20	77.56	0.03095	±2.5	PASS
N41	20MHz	QPSK	501204	100RB#0	NV	30	-44.15	-0.01762	±2.5	PASS
N41	20MHz	QPSK	501204	100RB#0	NV	40	19.82	0.00791	±2.5	PASS
N41	20MHz	QPSK	501204	100RB#0	NV	50	-59.31	-0.02367	±2.5	PASS
N41	20MHz	QPSK	518598	100RB#0	NV	-30	39.83	0.01536	±2.5	PASS
N41	20MHz	QPSK	518598	100RB#0	NV	-20	-86.15	-0.03322	±2.5	PASS
N41	20MHz	QPSK	518598	100RB#0	NV	0	8.82	0.00340	±2.5	PASS
N41	20MHz	QPSK	518598	100RB#0	NV	10	33.04	0.01274	±2.5	PASS
N41	20MHz	QPSK	518598	100RB#0	NV	20	-10.26	-0.00396	±2.5	PASS
N41	20MHz	QPSK	518598	100RB#0	NV	30	61.56	0.02374	±2.5	PASS
N41	20MHz	QPSK	518598	100RB#0	NV	40	75.30	0.02904	±2.5	PASS
N41	20MHz	QPSK	518598	100RB#0	NV	50	76.97	0.02968	±2.5	PASS
N41	20MHz	QPSK	535998	100RB#0	NV	-30	-70.20	-0.02620	±2.5	PASS
N41	20MHz	QPSK	535998	100RB#0	NV	-20	-29.87	-0.01115	±2.5	PASS
N41	20MHz	QPSK	535998	100RB#0	NV	0	-33.76	-0.01260	±2.5	PASS
N41	20MHz	QPSK	535998	100RB#0	NV	10	74.47	0.02779	±2.5	PASS
N41	20MHz	QPSK	535998	100RB#0	NV	20	47.92	0.01788	±2.5	PASS

N41	20MHz	QPSK	535998	100RB#0	NV	30	-53.32	-0.01990	±2.5	PASS
N41	20MHz	QPSK	535998	100RB#0	NV	40	48.23	0.01800	±2.5	PASS
N41	20MHz	QPSK	535998	100RB#0	NV	50	-44.45	-0.01658	±2.5	PASS

N66

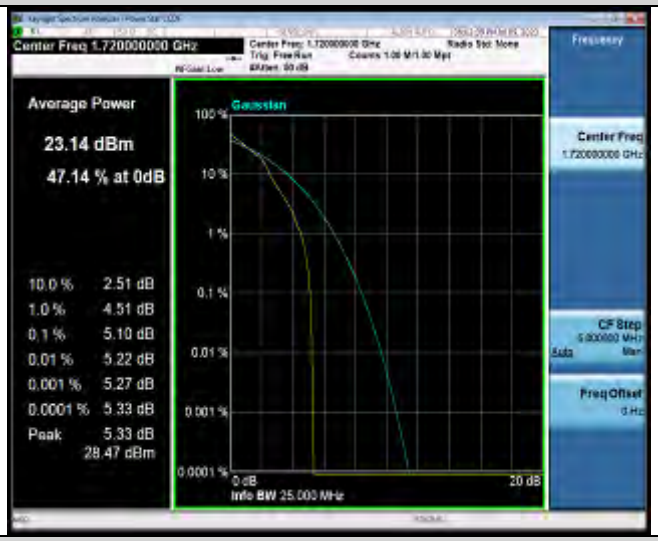
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

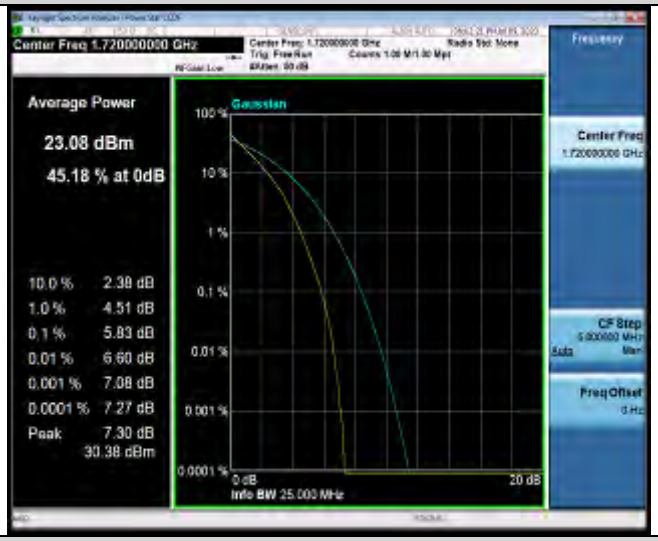
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
N66	20MHz	QPSK	344000	1RB#0	5.10	13	PASS
N66	20MHz	QPSK	344000	100RB#0	5.83	13	PASS
N66	20MHz	QPSK	349000	1RB#0	5.43	13	PASS
N66	20MHz	QPSK	349000	100RB#0	5.96	13	PASS
N66	20MHz	QPSK	354000	1RB#0	5.42	13	PASS
N66	20MHz	QPSK	354000	100RB#0	5.92	13	PASS

Test Graphs

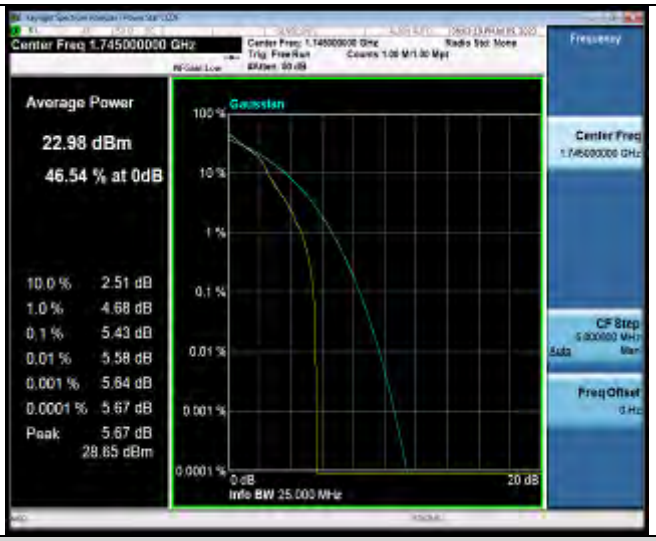
N66-20MHz-QPSK-344000-1RB#0



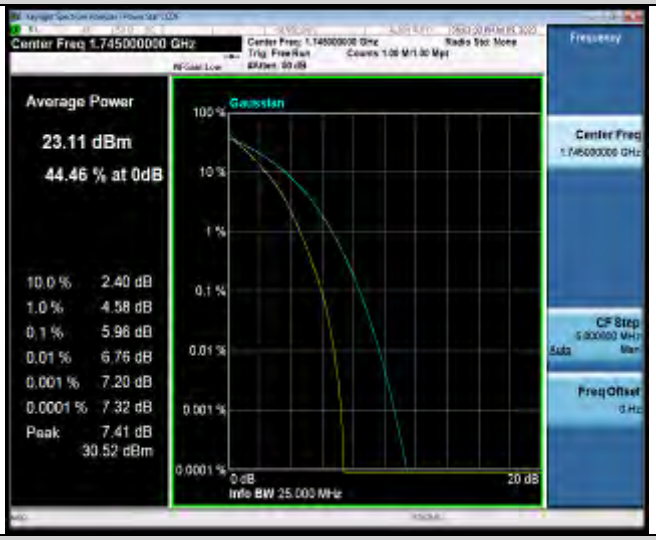
N66-20MHz-QPSK-344000-100RB#0



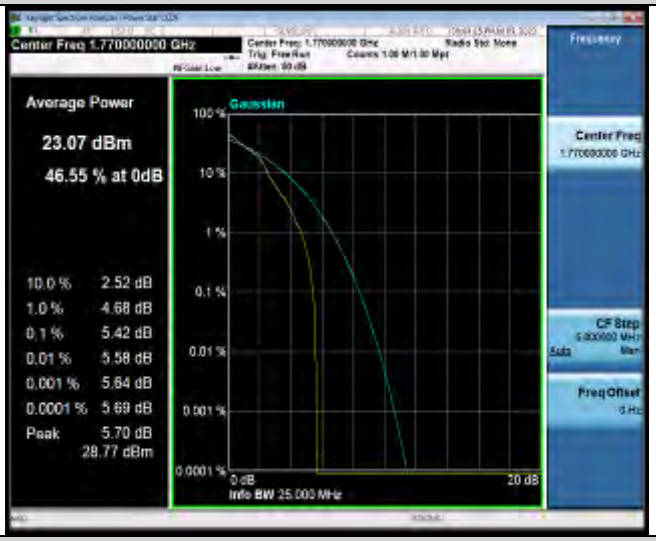
N66-20MHz-QPSK-349000-1RB#0



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



N66-20MHz-QPSK-354000-1RB#0



N66-20MHz-QPSK-354000-100RB#0

Center Freq 1.770000000 GHz
Average Power
23.18 dBm
44.71 % at 0dB
10.0 % 2.39 dB
1.0 % 4.56 dB
0.1 % 5.92 dB
0.01 % 6.70 dB
0.001 % 7.09 dB
0.0001 % 7.24 dB
Peak 7.28 dB
30.46 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Frequency
Center Freq
CF Step
Freq Offset

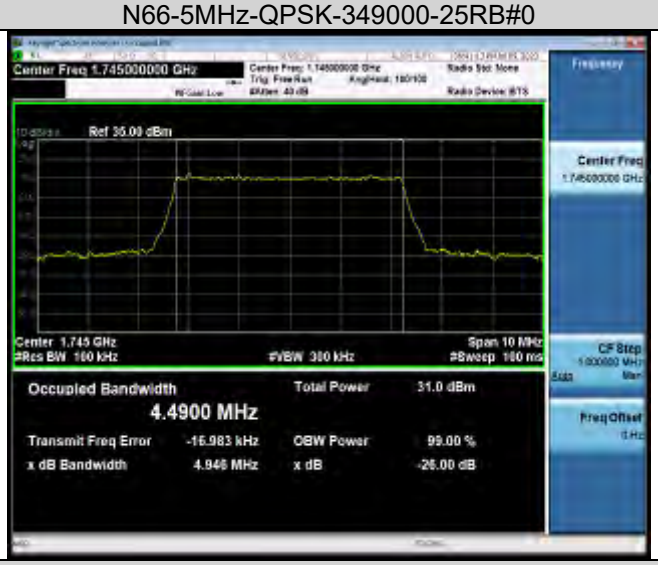
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
N66	5MHz	QPSK	349000	25RB#0	4.4900	4.946	PASS
N66	5MHz	16QAM	349000	25RB#0	4.4900	4.893	PASS
N66	5MHz	64QAM	349000	25RB#0	4.4874	4.913	PASS
N66	5MHz	BPSK	349000	25RB#0	4.4709	4.933	PASS
N66	5MHz	256QAM	349000	25RB#0	4.4698	4.919	PASS
N66	10MHz	QPSK	349000	50RB#0	9.0028	9.780	PASS
N66	10MHz	16QAM	349000	50RB#0	9.0054	9.810	PASS
N66	10MHz	64QAM	349000	50RB#0	9.0076	9.755	PASS
N66	10MHz	256QAM	349000	50RB#0	9.0408	9.919	PASS
N66	10MHz	BPSK	349000	50RB#0	8.9835	9.693	PASS
N66	15MHz	QPSK	349000	75RB#0	13.451	14.52	PASS
N66	15MHz	16QAM	349000	75RB#0	13.451	14.40	PASS
N66	15MHz	64QAM	349000	75RB#0	13.471	14.39	PASS
N66	15MHz	256QAM	349000	75RB#0	13.505	14.38	PASS
N66	15MHz	BPSK	349000	75RB#0	13.448	14.35	PASS
N66	20MHz	QPSK	349000	100RB#0	17.981	19.38	PASS
N66	20MHz	16QAM	349000	100RB#0	17.957	19.29	PASS
N66	20MHz	64QAM	349000	100RB#0	17.929	19.42	PASS
N66	20MHz	BPSK	349000	100RB#0	17.961	19.29	PASS
N66	20MHz	256QAM	349000	100RB#0	17.990	19.31	PASS
N66	40MHz	QPSK	346000	216RB#0	38.565	40.23	PASS
N66	40MHz	QPSK	349000	216RB#0	38.631	40.31	PASS
N66	40MHz	QPSK	352000	216RB#0	38.582	40.25	PASS
N66	40MHz	16QAM	349000	216RB#0	38.609	40.29	PASS
N66	40MHz	64QAM	349000	216RB#0	38.606	40.31	PASS
N66	40MHz	BPSK	349000	216RB#0	38.716	40.07	PASS
N66	40MHz	256QAM	349000	216RB#0	38.496	40.22	PASS

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

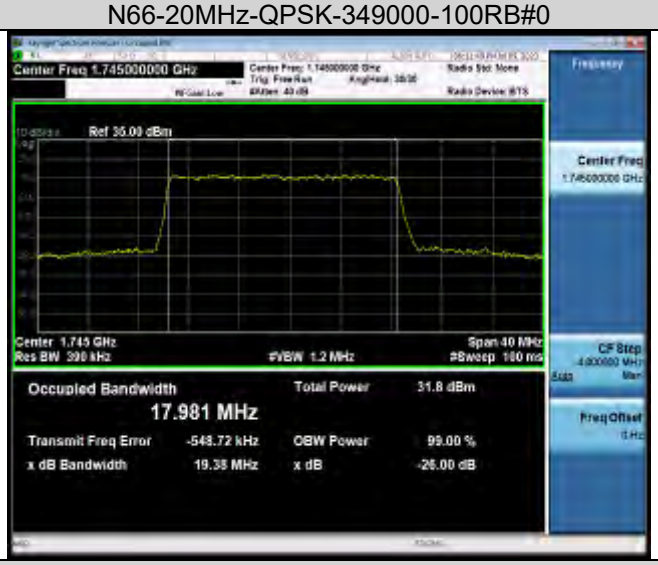
N66-15MHz-16QAM-349000-75RB#0

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

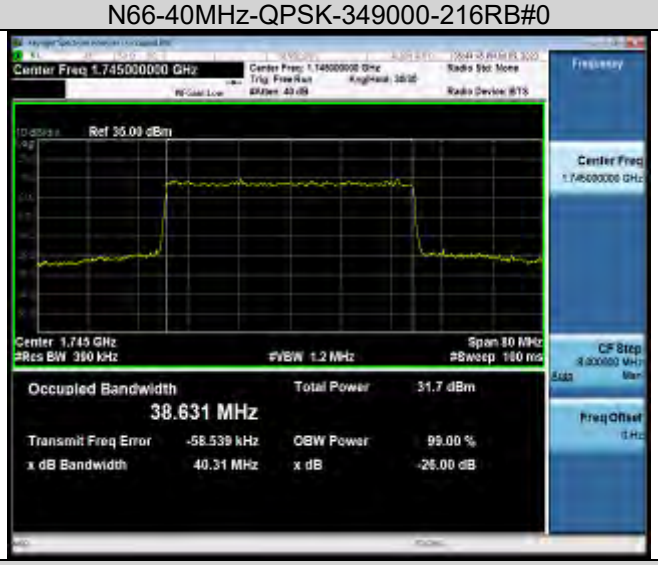
N66-20MHz-64QAM-349000-100RB#0

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

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

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

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



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

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

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

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

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

Center Freq 1.745000000 GHz
Ref 35.00 dBm
Center 1.745 GHz
#Res BW 390 kHz
#VBW 1.2 MHz
Span 80 MHz
#Sweep 100 ms
Occupied Bandwidth
38.496 MHz
Total Power 28.5 dBm
Transmit Freq Error -23.007 kHz
OBW Power 99.00 %
x dB Bandwidth 40.22 MHz
x dB -26.00 dB
Frequency
Center Freq
CF Step
Freq Offset

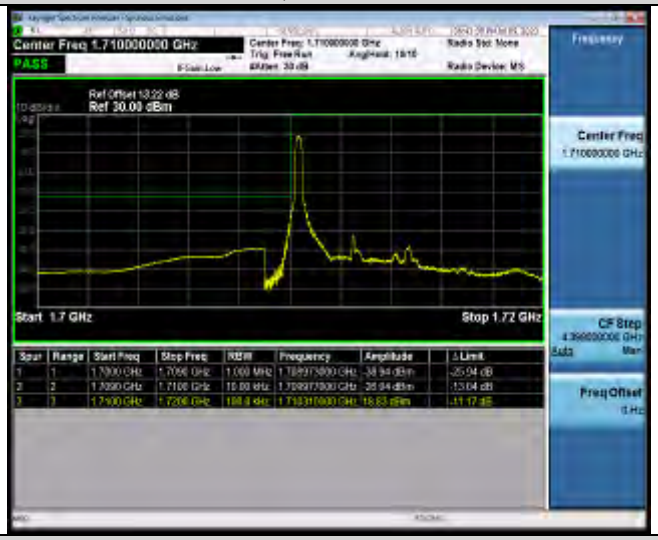
BAND EDGE

Test Result

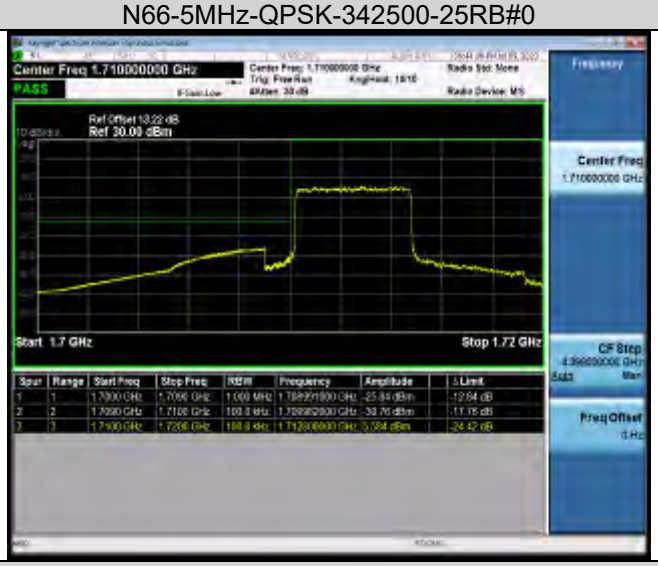
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
N66	5MHz	QPSK	342500	1RB#0	-38.94,-26.04	PASS
N66	5MHz	QPSK	342500	25RB#0	-25.84,-30.76	PASS
N66	5MHz	QPSK	349000	1RB#24	-26.45,-38.92	PASS
N66	5MHz	QPSK	349000	25RB#0	-31.53,-25.83	PASS
N66	20MHz	QPSK	344000	1RB#0	-41.46,-30.90	PASS
N66	20MHz	QPSK	344000	100RB#0	-30.13,-33.60	PASS
N66	20MHz	QPSK	354000	1RB#99	-27.35,-41.56	PASS
N66	20MHz	QPSK	354000	100RB#0	-34.54,-29.48	PASS
N66	40MHz	QPSK	346000	1RB#0	-42.75,-30.54	PASS
N66	40MHz	QPSK	346000	216RB#0	-33.92,-37.38	PASS
N66	40MHz	QPSK	352000	1RB#214	-33.57,-42.21	PASS
N66	40MHz	QPSK	352000	216RB#0	-34.89,-31.13	PASS

Test Graphs

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

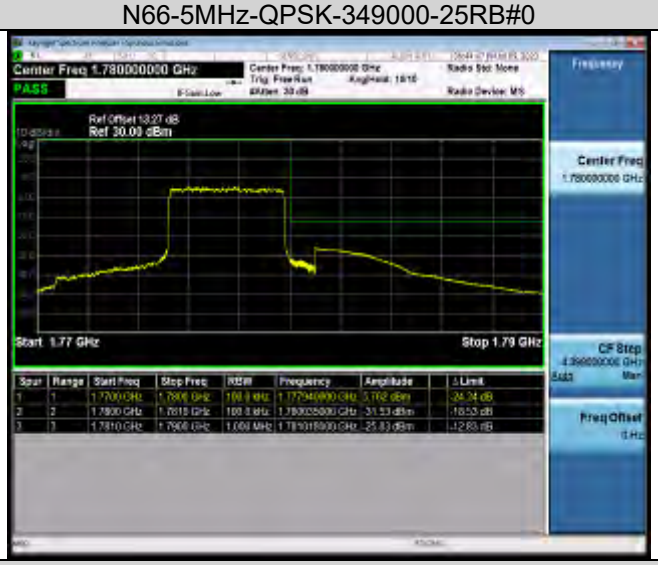


N66-5MHz-QPSK-342500-25RB#0

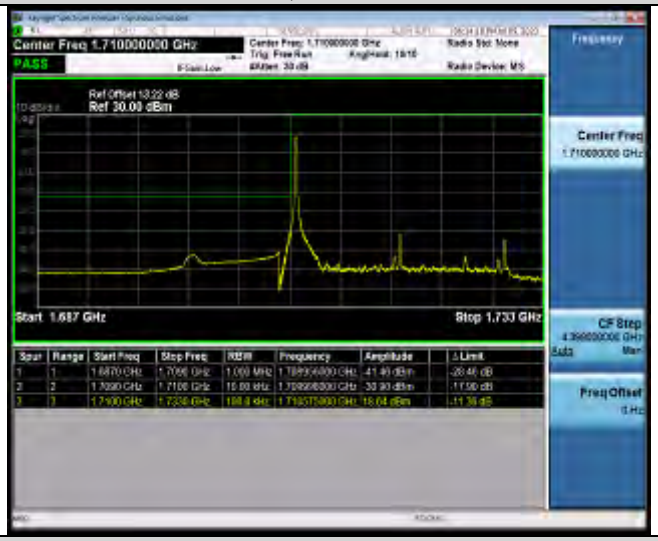


N66-5MHz-QPSK-349000-1RB#24

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

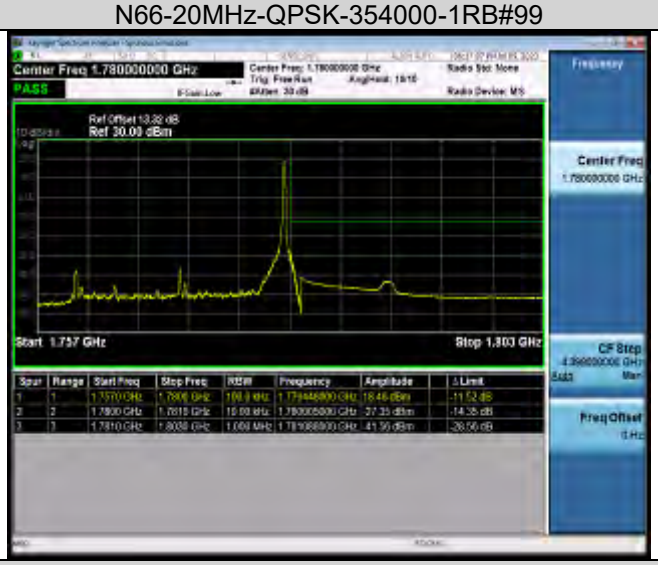


N66-20MHz-QPSK-344000-1RB#0



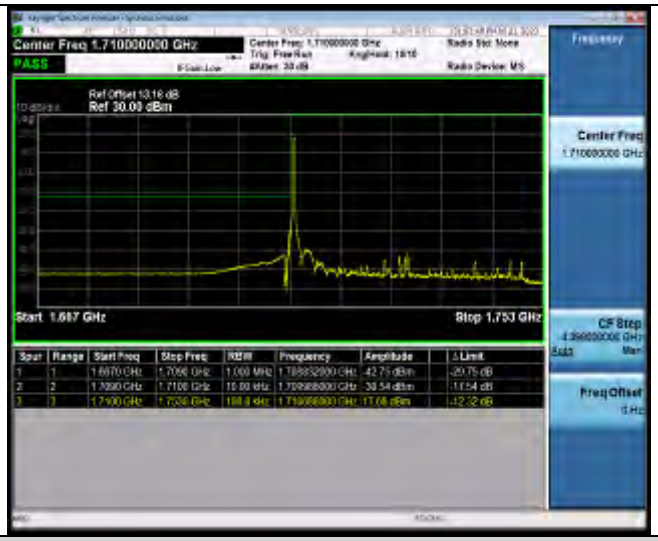
N66-20MHz-QPSK-344000-100RB#0

N66-20MHz-QPSK-354000-1RB#99

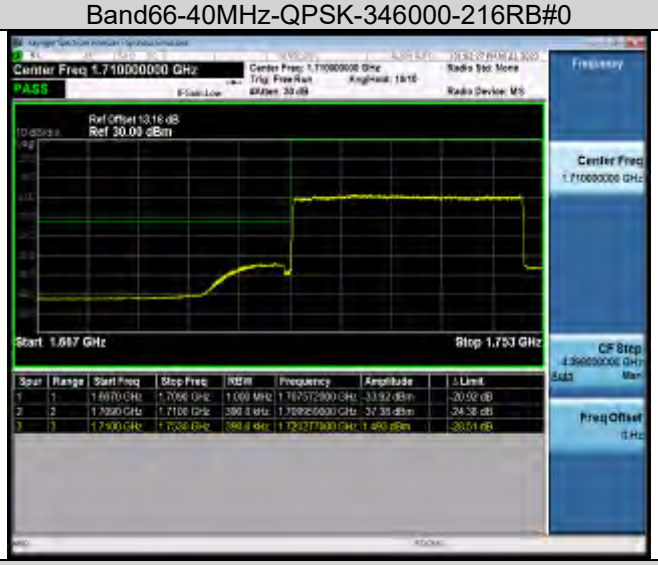


N66-20MHz-QPSK-354000-100RB#0

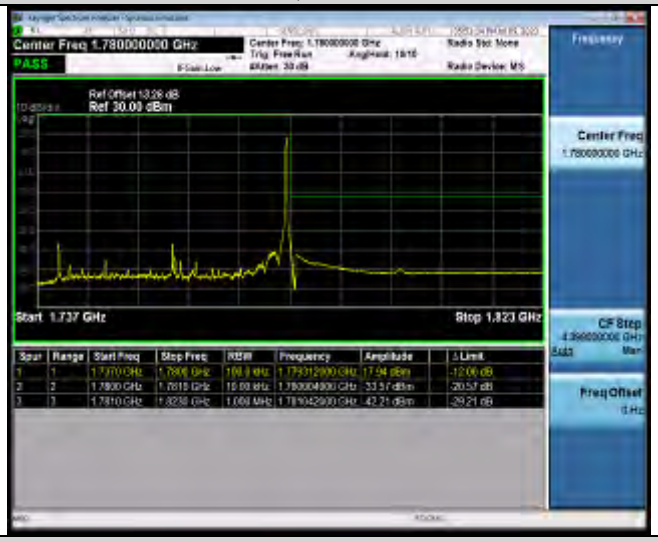
Band66-40MHz-QPSK-346000-1RB#0



Band66-40MHz-QPSK-346000-216RB#0



Band66-40MHz-QPSK-352000-1RB#214



Band66-40MHz-QPSK-352000-216RB#0

Center Freq 1.780000000 GHz
PASS
Ref Offset 13.26 dB
Ref 30.00 dBm
Start 1.737 GHz
Stop 1.823 GHz
Frequency
Center Freq
CF Step
Freq Offset

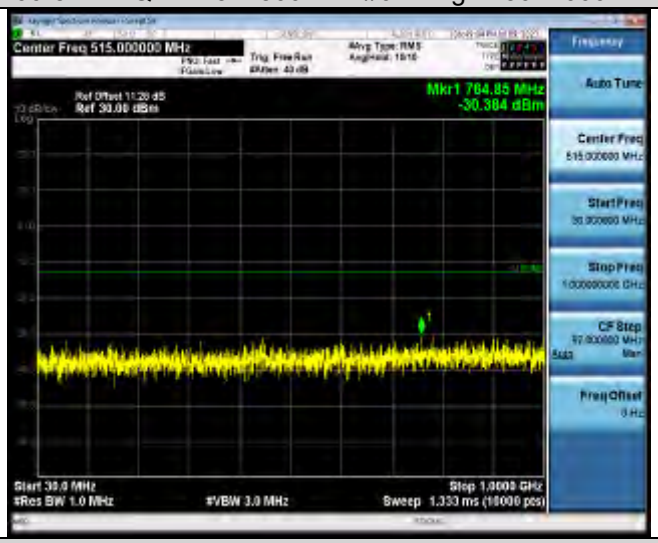
CONDUCTED SPURIOUS EMISSION

Test Result

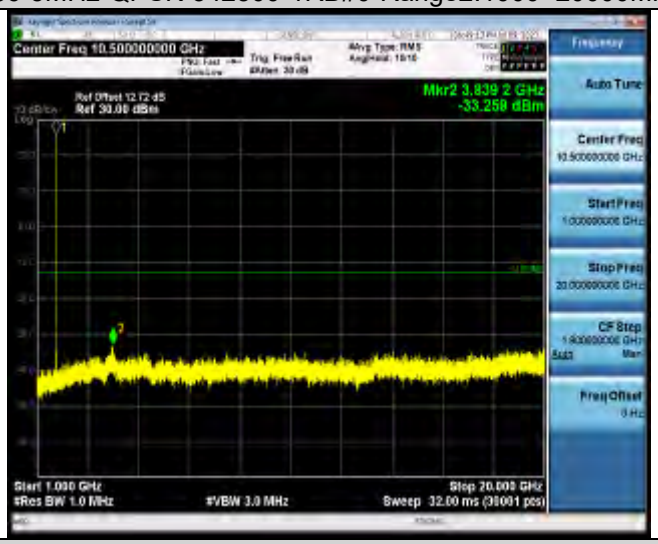
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
N66	5MHz	QPSK	342500	1RB#0	Range1:30~1000MHz	-30.38	PASS
N66	5MHz	QPSK	342500	1RB#0	Range2:1000~20000MHz	-33.26	PASS
N66	5MHz	QPSK	349000	1RB#0	Range1:30~1000MHz	-30.75	PASS
N66	5MHz	QPSK	349000	1RB#0	Range2:1000~20000MHz	-33.96	PASS
N66	5MHz	QPSK	349000	1RB#0	Range1:30~1000MHz	-30.6	PASS
N66	5MHz	QPSK	349000	1RB#0	Range2:1000~20000MHz	-33.53	PASS
N66	20MHz	QPSK	344000	1RB#0	Range1:30~1000MHz	-30.88	PASS
N66	20MHz	QPSK	344000	1RB#0	Range2:1000~20000MHz	-32.78	PASS
N66	20MHz	QPSK	349000	1RB#0	Range1:30~1000MHz	-31.04	PASS
N66	20MHz	QPSK	349000	1RB#0	Range2:1000~20000MHz	-33.5	PASS
N66	20MHz	QPSK	354000	1RB#0	Range1:30~1000MHz	-30.69	PASS
N66	20MHz	QPSK	354000	1RB#0	Range2:1000~20000MHz	-33.31	PASS
N66	40MHz	QPSK	346000	1RB#0	Range1:30~1000MHz	-31.03	PASS
N66	40MHz	QPSK	346000	1RB#0	Range2:1000~20000MHz	-33.54	PASS
N66	40MHz	QPSK	349000	1RB#0	Range1:30~1000MHz	-29.5	PASS
N66	40MHz	QPSK	349000	1RB#0	Range2:1000~20000MHz	-33.52	PASS
N66	40MHz	QPSK	352000	1RB#0	Range1:30~1000MHz	-30.43	PASS
N66	40MHz	QPSK	352000	1RB#0	Range2:1000~20000MHz	-33.03	PASS

Test Graphs

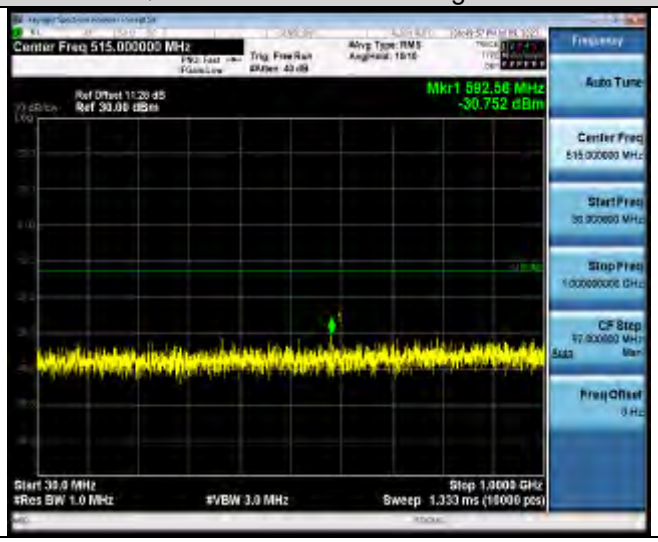
N66-5MHz-QPSK-342500-1RB#0-Range1:30~1000MHz



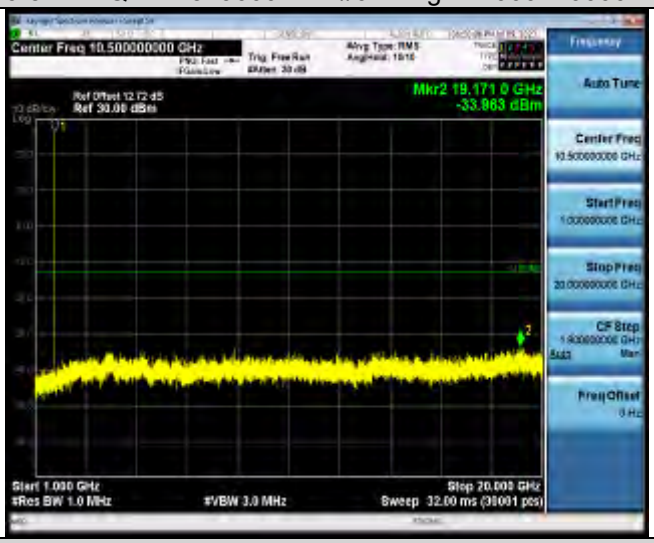
N66-5MHz-QPSK-342500-1RB#0-Range2:1000~20000MHz



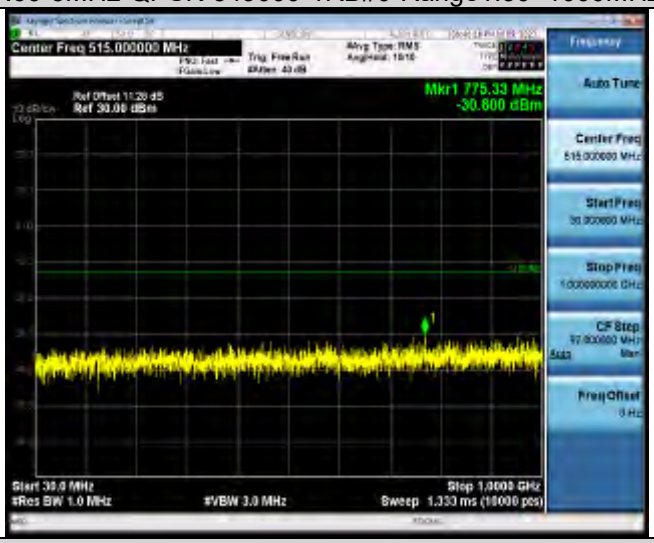
N66-5MHz-QPSK-349000-1RB#0-Range1:30~1000MHz



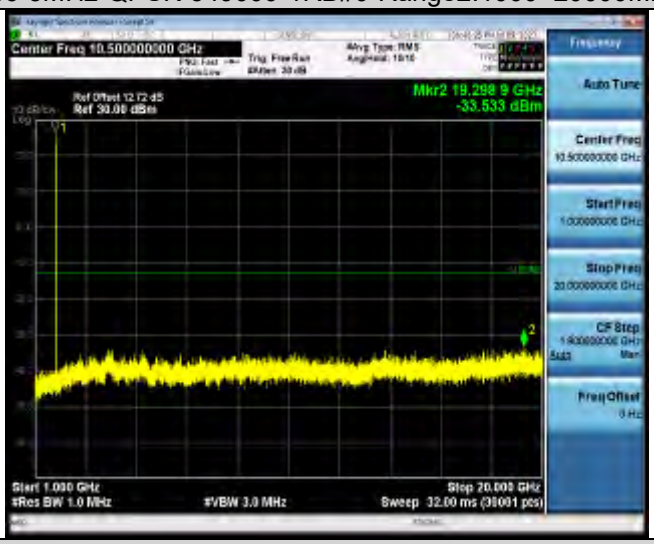
N66-5MHz-QPSK-349000-1RB#0-Range2:1000~20000MHz



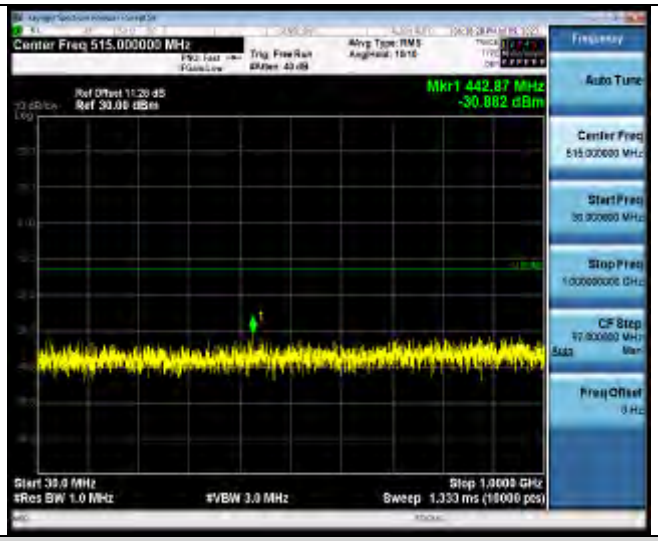
N66-5MHz-QPSK-349000-1RB#0-Range1:30~1000MHz



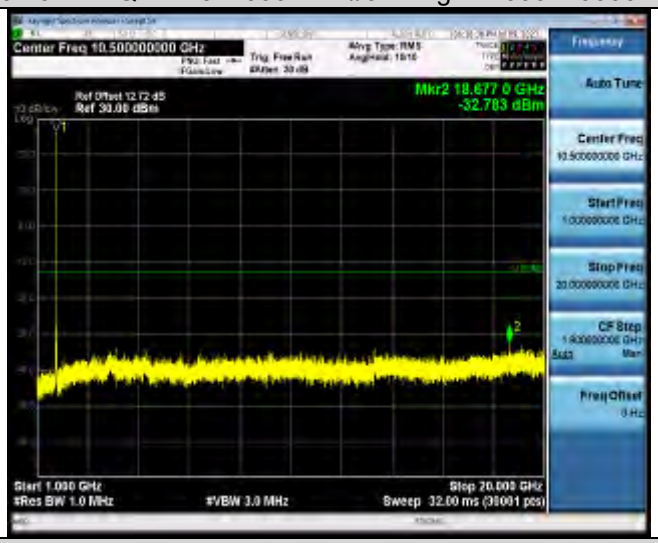
N66-5MHz-QPSK-349000-1RB#0-Range2:1000~20000MHz



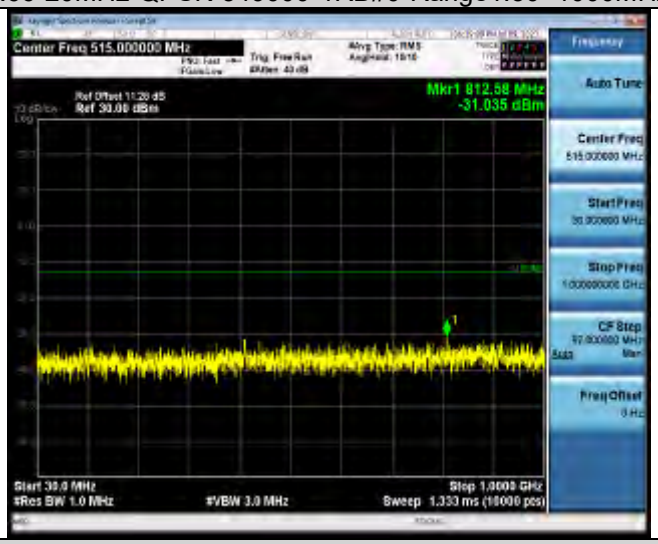
N66-20MHz-QPSK-344000-1RB#0-Range1:30~1000MHz



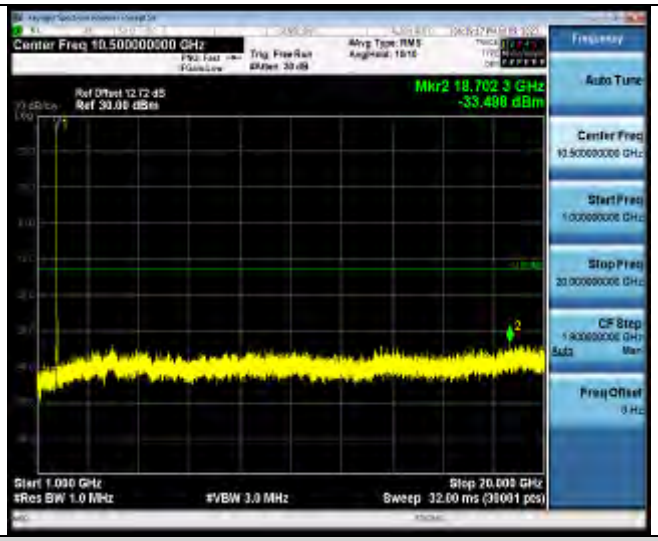
N66-20MHz-QPSK-344000-1RB#0-Range2:1000~20000MHz



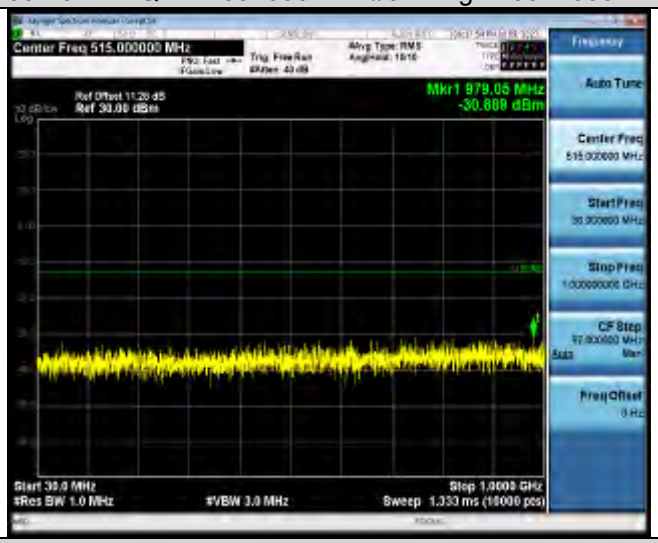
N66-20MHz-QPSK-349000-1RB#0-Range1:30~1000MHz



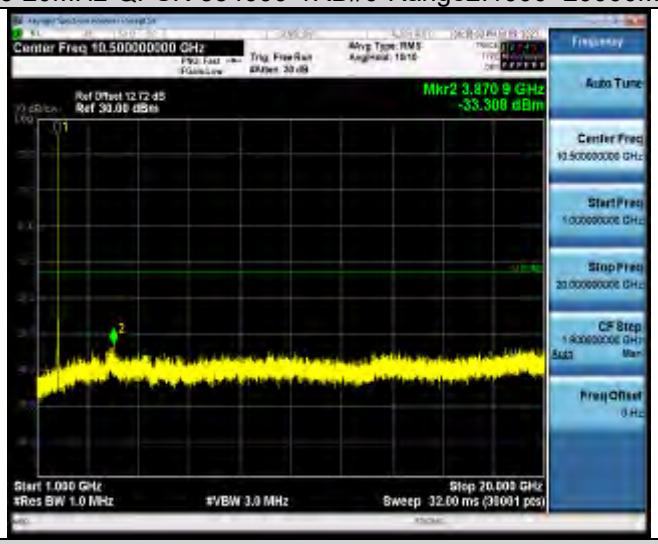
N66-20MHz-QPSK-349000-1RB#0-Range2:1000~20000MHz



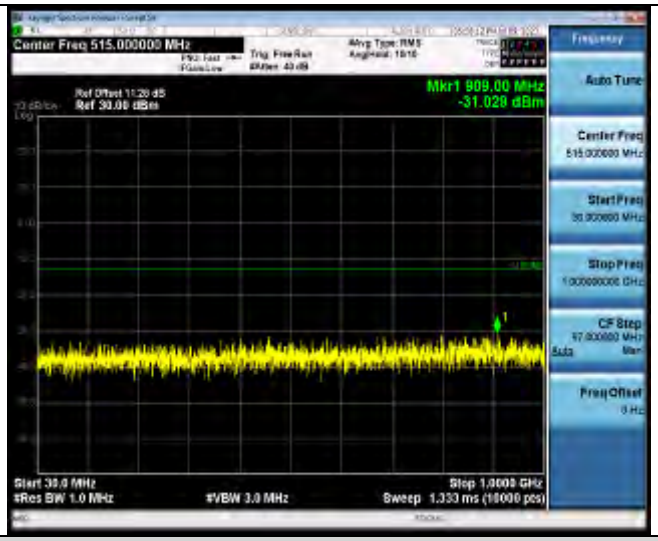
N66-20MHz-QPSK-354000-1RB#0-Range1:30~1000MHz



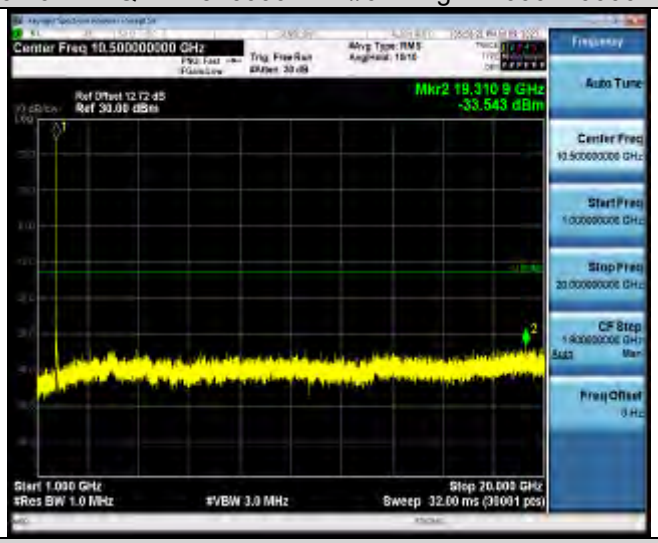
N66-20MHz-QPSK-354000-1RB#0-Range2:1000~20000MHz



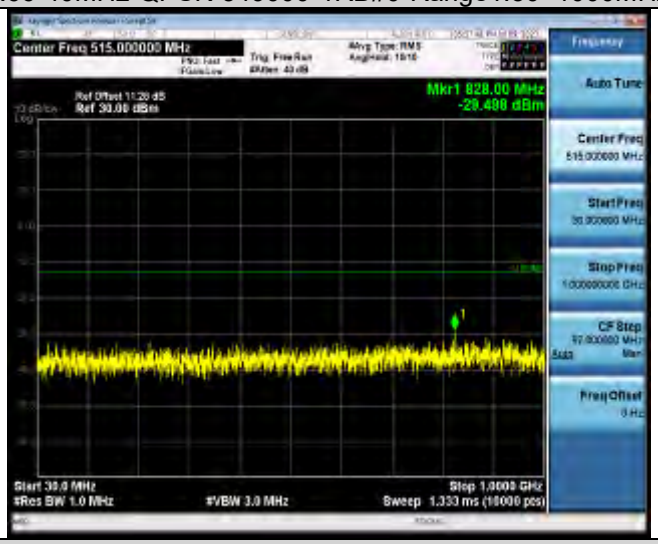
N66-40MHz-QPSK-346000-1RB#0-Range1:30~1000MHz



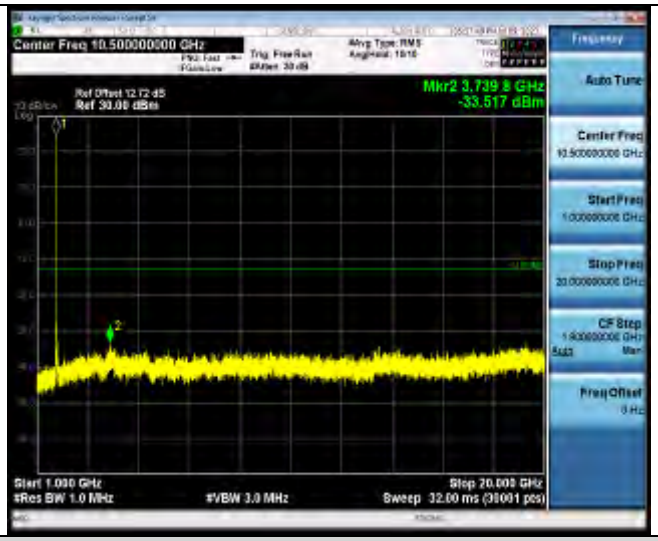
N66-40MHz-QPSK-346000-1RB#0-Range2:1000~20000MHz



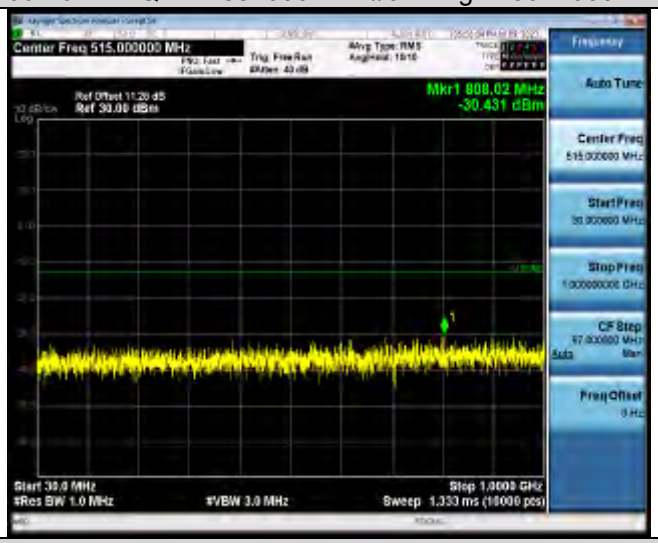
N66-40MHz-QPSK-349000-1RB#0-Range1:30~1000MHz



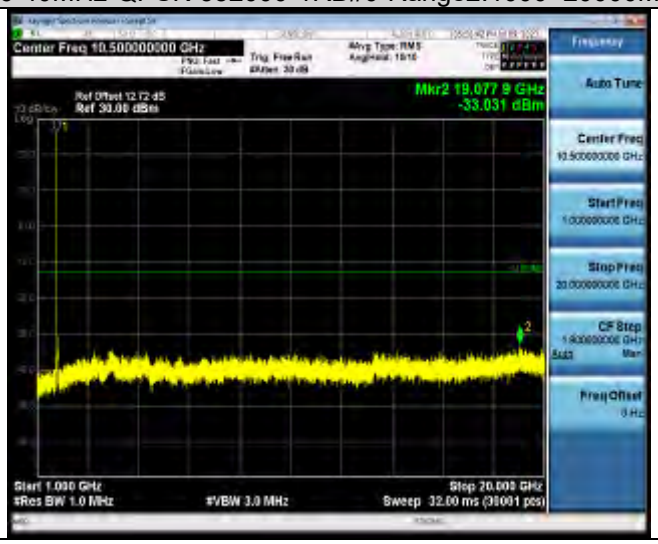
N66-40MHz-QPSK-349000-1RB#0-Range2:1000~20000MHz



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



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



FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N66	20MHz	QPSK	344000	100RB#0	VL	NT	-62.41	-0.03629	±2.5	PASS
N66	20MHz	QPSK	344000	100RB#0	VN	NT	-49.19	-0.02860	±2.5	PASS
N66	20MHz	QPSK	344000	100RB#0	VH	NT	80.73	0.04694	±2.5	PASS
N66	20MHz	QPSK	349000	100RB#0	VL	NT	-72.40	-0.04149	±2.5	PASS
N66	20MHz	QPSK	349000	100RB#0	VN	NT	-30.79	-0.01764	±2.5	PASS
N66	20MHz	QPSK	349000	100RB#0	VH	NT	-83.54	-0.04788	±2.5	PASS
N66	20MHz	QPSK	353000	100RB#0	VL	NT	47.03	0.02657	±2.5	PASS
N66	20MHz	QPSK	353000	100RB#0	VN	NT	-30.94	-0.01748	±2.5	PASS
N66	20MHz	QPSK	353000	100RB#0	VH	NT	-27.18	-0.01535	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N66	20MHz	QPSK	344000	100RB#0	NV	-30	45.11	0.02623	±2.5	PASS
N66	20MHz	QPSK	344000	100RB#0	NV	-20	54.43	0.03164	±2.5	PASS
N66	20MHz	QPSK	344000	100RB#0	NV	0	15.35	0.00892	±2.5	PASS
N66	20MHz	QPSK	344000	100RB#0	NV	10	-59.22	-0.03443	±2.5	PASS
N66	20MHz	QPSK	344000	100RB#0	NV	20	-12.63	-0.00734	±2.5	PASS
N66	20MHz	QPSK	344000	100RB#0	NV	30	-73.13	-0.04252	±2.5	PASS
N66	20MHz	QPSK	344000	100RB#0	NV	40	50.99	0.02964	±2.5	PASS
N66	20MHz	QPSK	344000	100RB#0	NV	50	-30.52	-0.01775	±2.5	PASS
N66	20MHz	QPSK	349000	100RB#0	NV	-30	-45.44	-0.02604	±2.5	PASS
N66	20MHz	QPSK	349000	100RB#0	NV	-20	-77.09	-0.04418	±2.5	PASS
N66	20MHz	QPSK	349000	100RB#0	NV	0	20.17	0.01156	±2.5	PASS
N66	20MHz	QPSK	349000	100RB#0	NV	10	-69.87	-0.04004	±2.5	PASS
N66	20MHz	QPSK	349000	100RB#0	NV	20	-45.08	-0.02584	±2.5	PASS
N66	20MHz	QPSK	349000	100RB#0	NV	30	-26.92	-0.01543	±2.5	PASS
N66	20MHz	QPSK	349000	100RB#0	NV	40	-68.50	-0.03925	±2.5	PASS
N66	20MHz	QPSK	349000	100RB#0	NV	50	-36.67	-0.02102	±2.5	PASS
N66	20MHz	QPSK	353000	100RB#0	NV	-30	46.88	0.02648	±2.5	PASS
N66	20MHz	QPSK	353000	100RB#0	NV	-20	33.61	0.01899	±2.5	PASS
N66	20MHz	QPSK	353000	100RB#0	NV	0	-80.94	-0.04573	±2.5	PASS
N66	20MHz	QPSK	353000	100RB#0	NV	10	-33.03	-0.01866	±2.5	PASS
N66	20MHz	QPSK	353000	100RB#0	NV	20	-77.06	-0.04354	±2.5	PASS
N66	20MHz	QPSK	353000	100RB#0	NV	30	-48.27	-0.02727	±2.5	PASS

N66	20MHz	QPSK	353000	100RB#0	NV	40	10.43	0.00589	±2.5	PASS
N66	20MHz	QPSK	353000	100RB#0	NV	50	-38.61	-0.02181	±2.5	PASS

N71

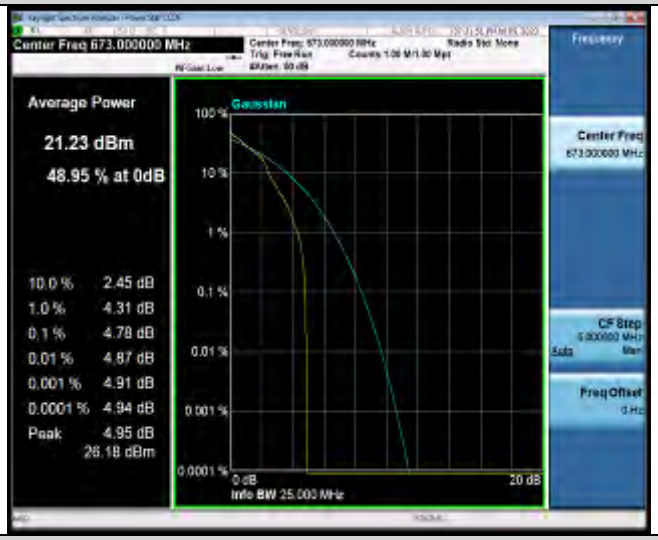
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

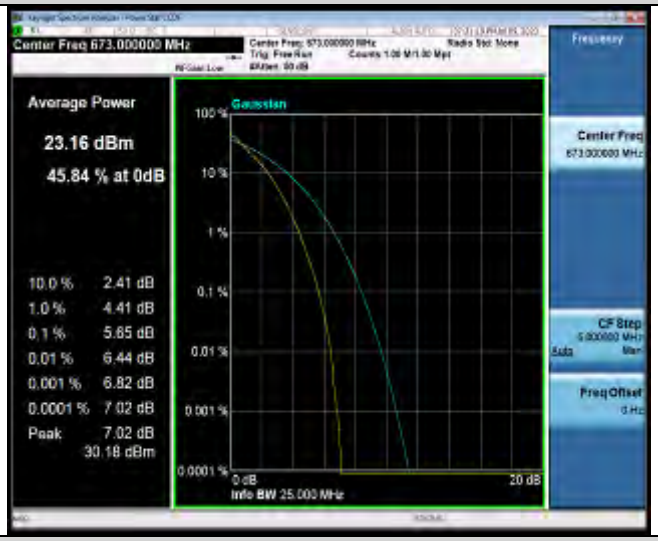
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
N71	20MHz	QPSK	134600	1RB#0	4.78	13	PASS
N71	20MHz	QPSK	134600	100RB#0	5.65	13	PASS
N71	20MHz	QPSK	136100	1RB#0	5.16	13	PASS
N71	20MHz	QPSK	136100	100RB#0	5.59	13	PASS
N71	20MHz	QPSK	137600	1RB#0	5.20	13	PASS
N71	20MHz	QPSK	137600	100RB#0	5.55	13	PASS

Test Graphs

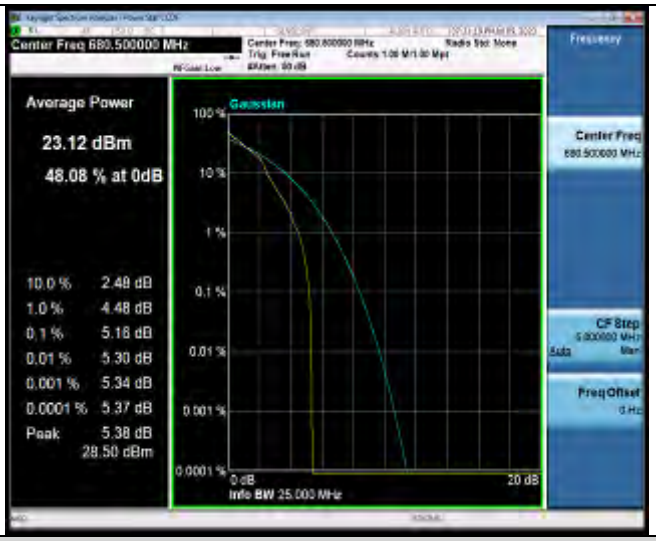
N71-20MHz-QPSK-134600-1RB#0



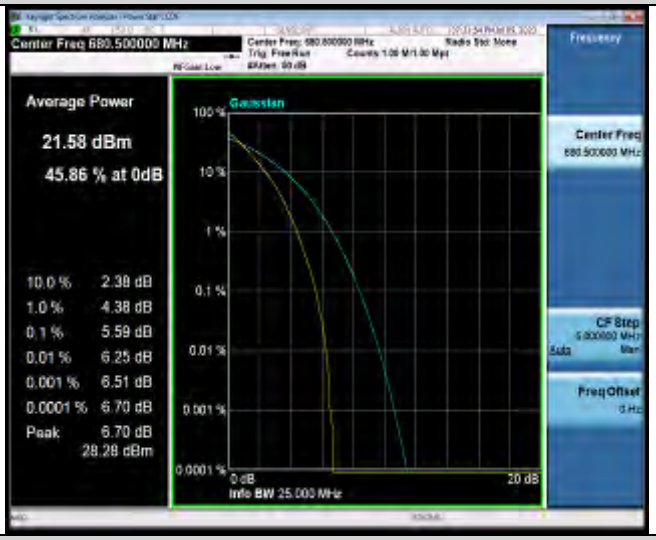
N71-20MHz-QPSK-134600-100RB#0



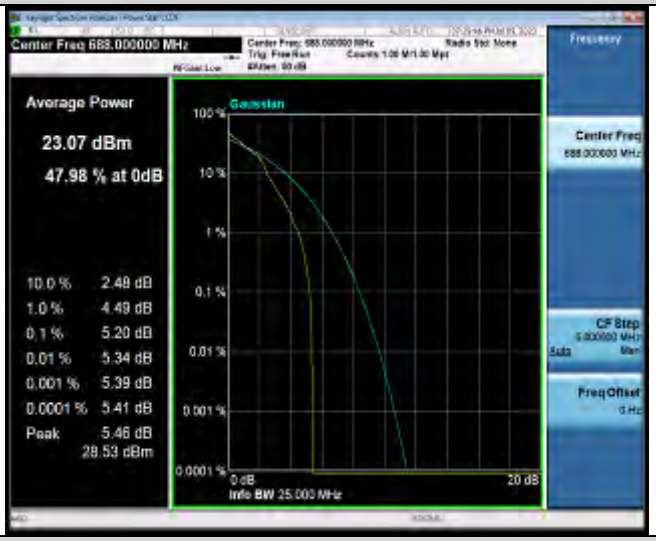
N71-20MHz-QPSK-136100-1RB#0



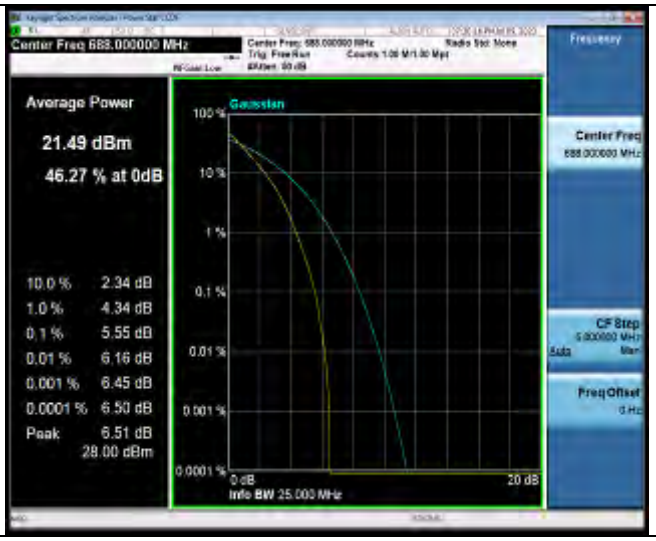
N71-20MHz-QPSK-136100-100RB#0



N71-20MHz-QPSK-137600-1RB#0



N71-20MHz-QPSK-137600-100RB#0


Center Freq 688.000000 MHz
Average Power
21.49 dBm
46.27 % at 0dB
10.0 % 2.34 dB
1.0 % 4.34 dB
0.1 % 5.55 dB
0.01 % 6.16 dB
0.001 % 6.45 dB
0.0001 % 6.50 dB
Peak 6.51 dB
28.00 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Frequency
Center Freq
CF Step
Freq Offset

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	4.4880	4.923	PASS
N71	5MHz	16QAM	136100	25RB#0	4.4912	4.897	PASS
N71	5MHz	64QAM	136100	25RB#0	4.4866	4.915	PASS
N71	5MHz	256QAM	136100	25RB#0	4.4683	4.916	PASS
N71	5MHz	BPSK	136100	25RB#0	4.4727	4.938	PASS
N71	10MHz	QPSK	136100	50RB#0	9.0051	9.769	PASS
N71	10MHz	16QAM	136100	50RB#0	9.0106	9.806	PASS
N71	10MHz	64QAM	136100	50RB#0	9.0035	9.776	PASS
N71	10MHz	BPSK	136100	50RB#0	8.9868	9.694	PASS
N71	10MHz	256QAM	136100	50RB#0	9.0395	9.928	PASS
N71	15MHz	QPSK	136100	75RB#0	13.449	14.50	PASS
N71	15MHz	16QAM	136100	75RB#0	13.435	14.34	PASS
N71	15MHz	64QAM	136100	75RB#0	13.459	14.39	PASS
N71	15MHz	256QAM	136100	75RB#0	13.510	14.37	PASS
N71	15MHz	BPSK	136100	75RB#0	13.434	14.34	PASS
N71	20MHz	QPSK	136100	100RB#0	17.972	19.30	PASS
N71	20MHz	16QAM	136100	100RB#0	17.946	19.27	PASS
N71	20MHz	64QAM	136100	100RB#0	17.927	19.37	PASS
N71	20MHz	BPSK	136100	100RB#0	17.952	19.23	PASS
N71	20MHz	256QAM	136100	100RB#0	17.984	19.31	PASS

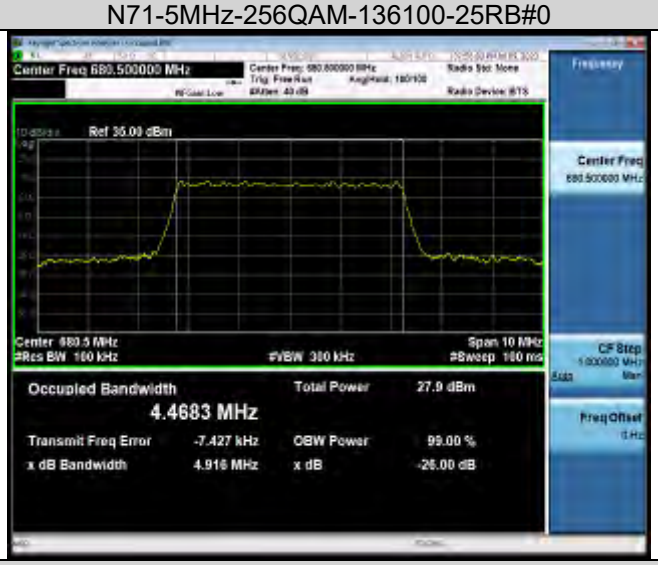
Test Graphs

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

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

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

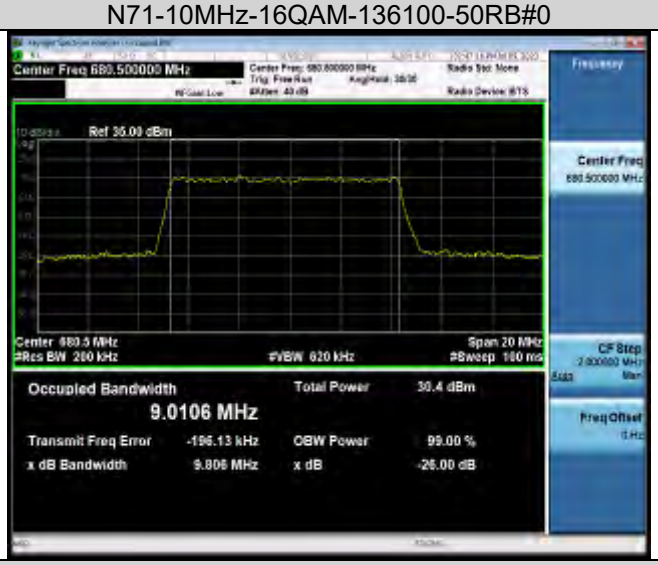
N71-5MHz-256QAM-136100-25RB#0



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

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

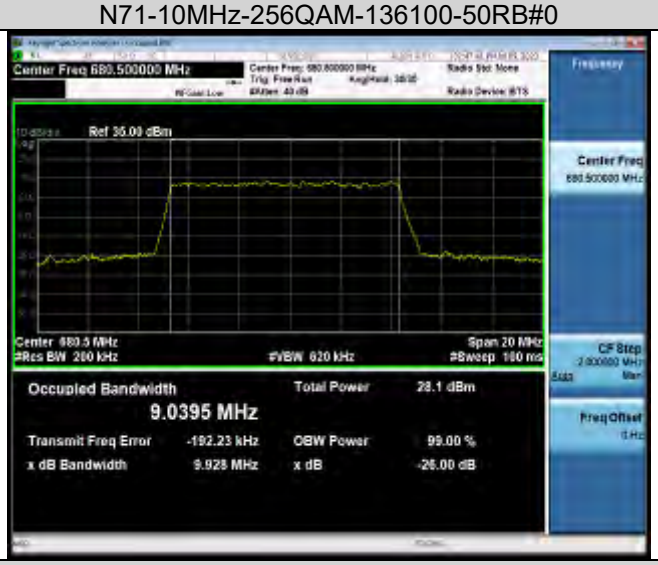
N71-10MHz-16QAM-136100-50RB#0



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

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

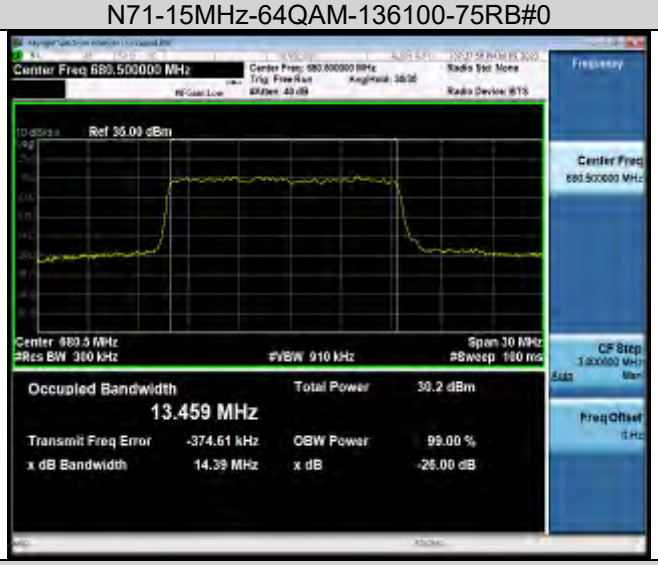
N71-10MHz-256QAM-136100-50RB#0



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

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

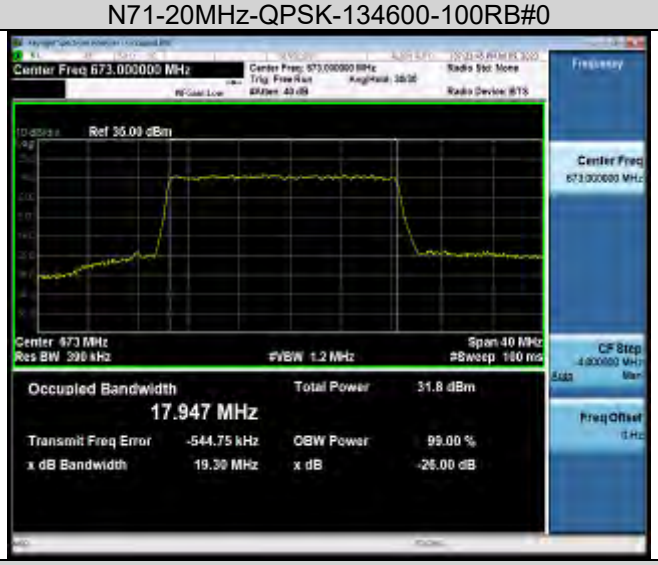
N71-15MHz-64QAM-136100-75RB#0



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

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

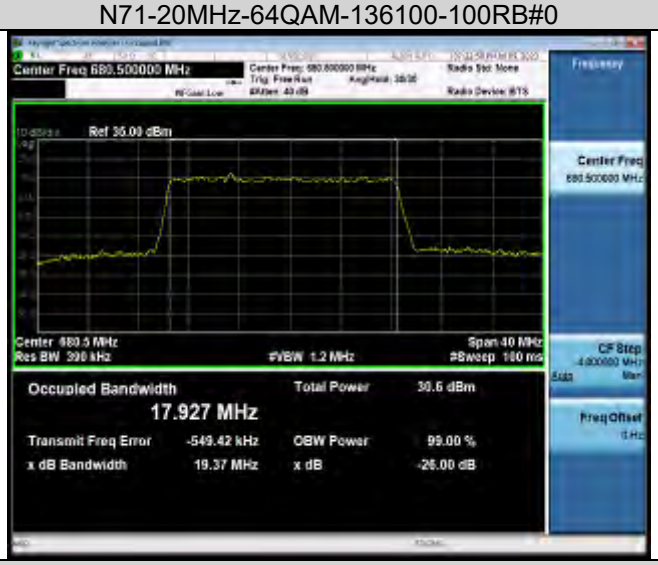
N71-20MHz-QPSK-134600-100RB#0



N71-20MHz-QPSK-136100-100RB#0

N71-20MHz-16QAM-136100-100RB#0

N71-20MHz-64QAM-136100-100RB#0



N71-20MHz-BPSK-136100-100RB#0

N71-20MHz-256QAM-136100-100RB#0

Center Freq 680.500000 MHz
Ref 35.00 dBm
Center 680.5 MHz
Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
Occupied Bandwidth
17.984 MHz
Total Power 28.4 dBm
Transmit Freq Error -510.63 kHz
OBW Power 99.00 %
x dB Bandwidth 19.31 MHz
x dB -26.00 dB
Frequency
Center Freq
CF Step
Freq Offset

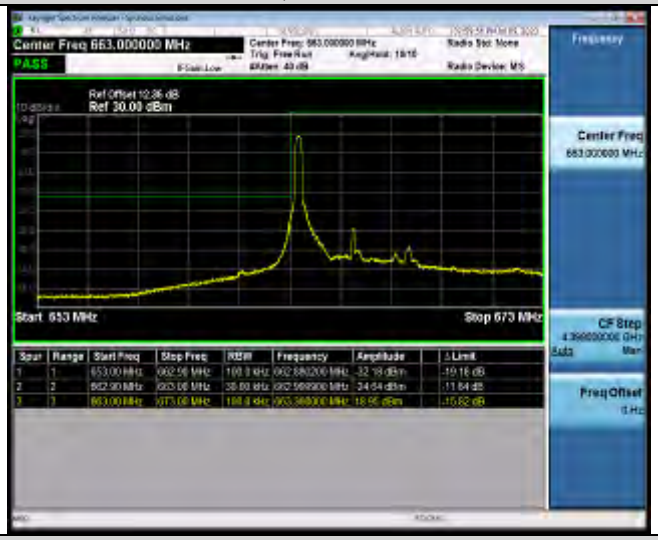
BAND EDGE

Test Result

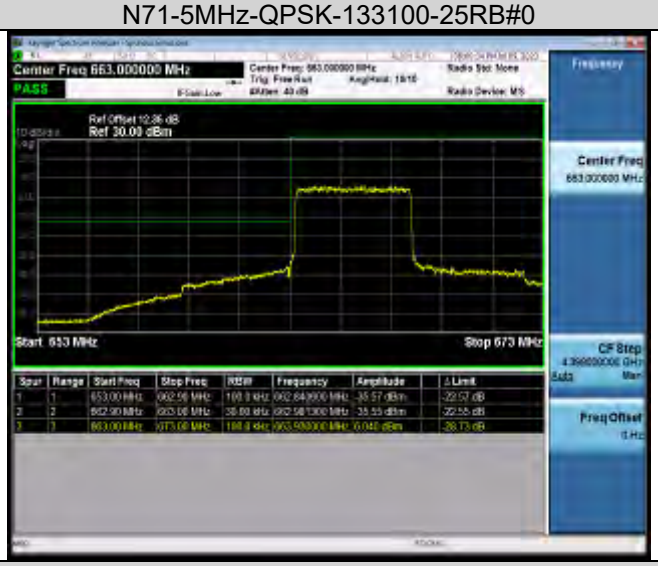
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
N71	5MHz	QPSK	133100	1RB#0	-32.18,-24.64	PASS
N71	5MHz	QPSK	133100	25RB#0	-35.57,-35.55	PASS
N71	5MHz	QPSK	139100	1RB#24	-23.66,-33.02	PASS
N71	5MHz	QPSK	139100	25RB#0	-34.10,-35.86	PASS
N71	10MHz	QPSK	133600	1RB#0	-35.86,-26.01	PASS
N71	10MHz	QPSK	133600	50RB#0	-38.09,-37.75	PASS
N71	10MHz	QPSK	138600	1RB#49	-28.16,-37.46	PASS
N71	10MHz	QPSK	138600	50RB#0	-40.78,-37.38	PASS
N71	20MHz	QPSK	134600	1RB#0	-37.66,-28.19	PASS
N71	20MHz	QPSK	134600	100RB#0	-40.57,-42.11	PASS
N71	20MHz	QPSK	137600	1RB#99	-27.01,-37.21	PASS
N71	20MHz	QPSK	137600	100RB#0	-43.38,-40.03	PASS

Test Graphs

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

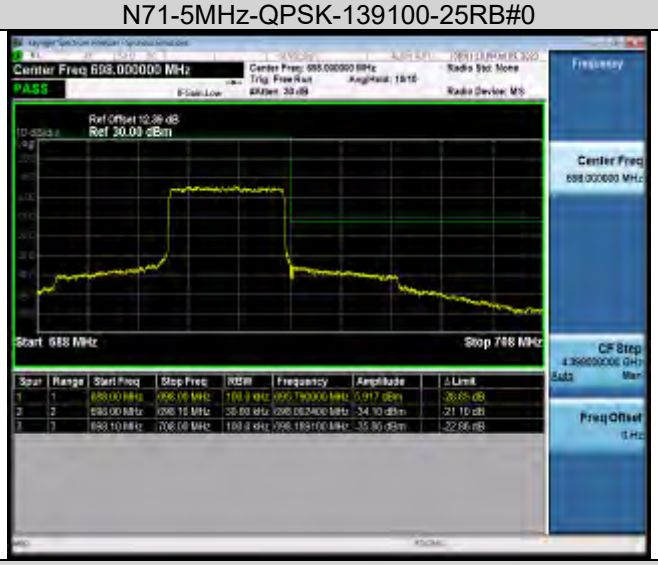


N71-5MHz-QPSK-133100-25RB#0



N71-5MHz-QPSK-139100-1RB#24

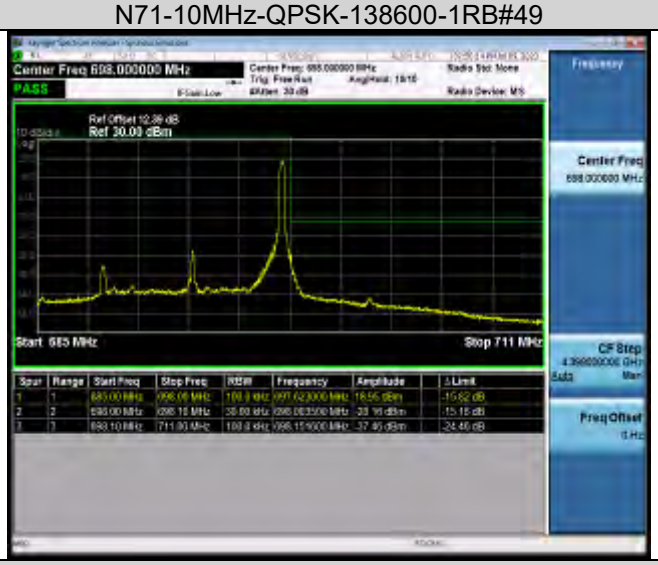
N71-5MHz-QPSK-139100-25RB#0



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

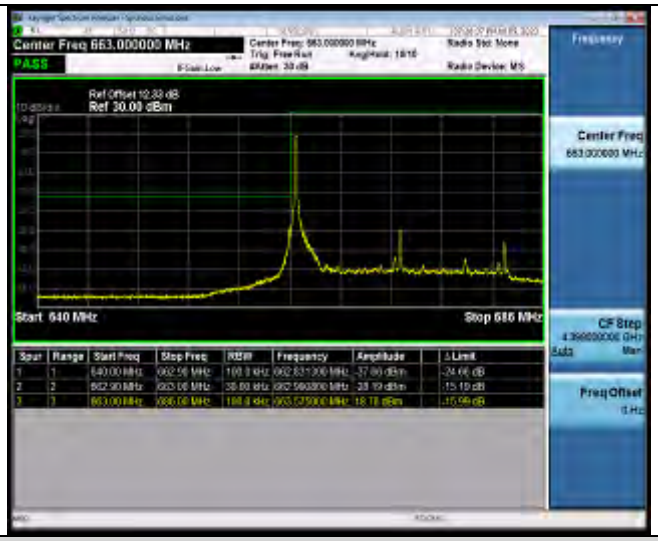
N71-10MHz-QPSK-133600-50RB#0

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

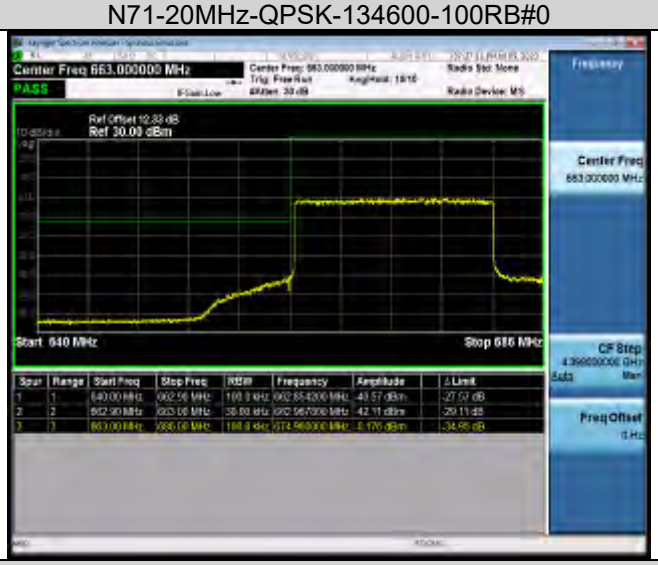


N71-10MHz-QPSK-138600-50RB#0

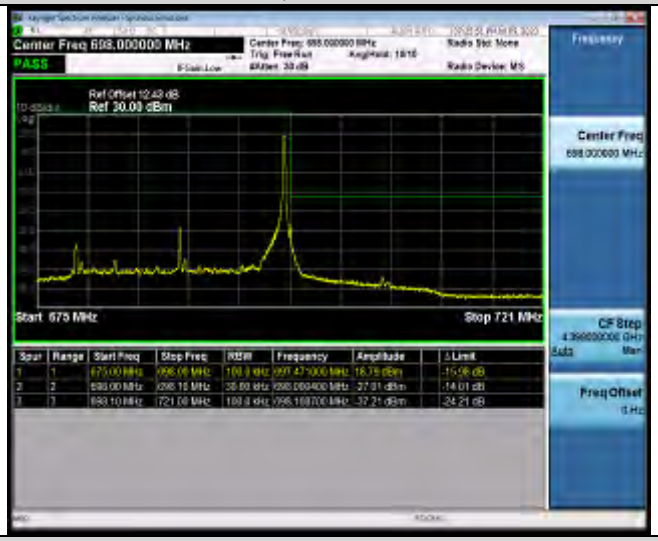
N71-20MHz-QPSK-134600-1RB#0



N71-20MHz-QPSK-134600-100RB#0



N71-20MHz-QPSK-137600-1RB#99



N71-20MHz-QPSK-137600-100RB#0

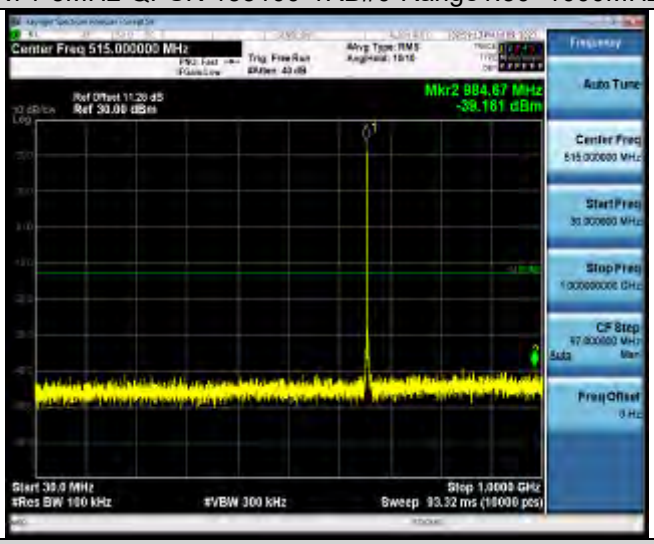
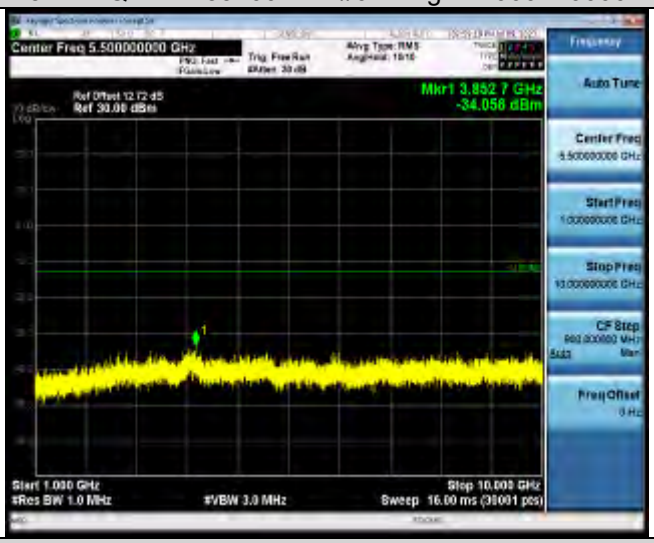
Center Freq 698.000000 MHz
PASS
Ref Offset 12.43 dB
Ref 30.00 dBm
Start 675 MHz
Stop 721 MHz
Frequency
Center Freq
CF Step
Freq Offset

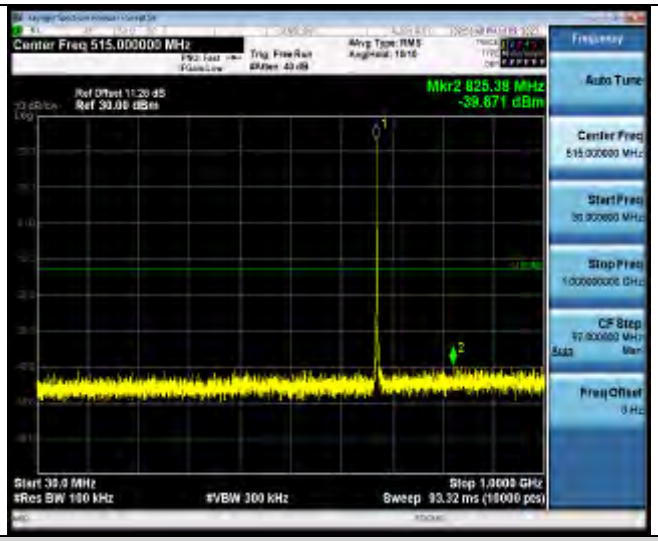
CONDUCTED SPURIOUS EMISSION

Test Result

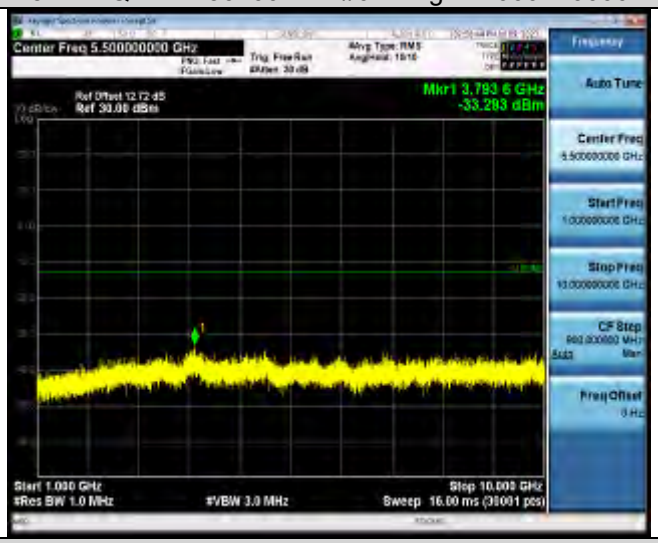
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
N71	5MHz	QPSK	133100	1RB#0	Range1:30~1000MHz	-39.16	PASS
N71	5MHz	QPSK	133100	1RB#0	Range2:1000~10000MHz	-34.06	PASS
N71	5MHz	QPSK	136100	1RB#0	Range1:30~1000MHz	-39.67	PASS
N71	5MHz	QPSK	136100	1RB#0	Range2:1000~10000MHz	-33.29	PASS
N71	5MHz	QPSK	139100	1RB#0	Range1:30~1000MHz	-38.63	PASS
N71	5MHz	QPSK	139100	1RB#0	Range2:1000~10000MHz	-34.73	PASS
N71	10MHz	QPSK	133600	1RB#0	Range1:30~1000MHz	-39.34	PASS
N71	10MHz	QPSK	133600	1RB#0	Range2:1000~10000MHz	-34.34	PASS
N71	10MHz	QPSK	136100	1RB#0	Range1:30~1000MHz	-40.27	PASS
N71	10MHz	QPSK	136100	1RB#0	Range2:1000~10000MHz	-34.95	PASS
N71	10MHz	QPSK	138600	1RB#0	Range1:30~1000MHz	-40.09	PASS
N71	10MHz	QPSK	138600	1RB#0	Range2:1000~10000MHz	-33.92	PASS
N71	20MHz	QPSK	134600	1RB#0	Range1:30~1000MHz	-39.23	PASS
N71	20MHz	QPSK	134600	1RB#0	Range2:1000~10000MHz	-34.44	PASS
N71	20MHz	QPSK	136100	1RB#0	Range1:30~1000MHz	-39.14	PASS
N71	20MHz	QPSK	136100	1RB#0	Range2:1000~10000MHz	-34.34	PASS
N71	20MHz	QPSK	137600	1RB#0	Range1:30~1000MHz	-38.99	PASS
N71	20MHz	QPSK	137600	1RB#0	Range2:1000~10000MHz	-33.48	PASS

Test Graphs

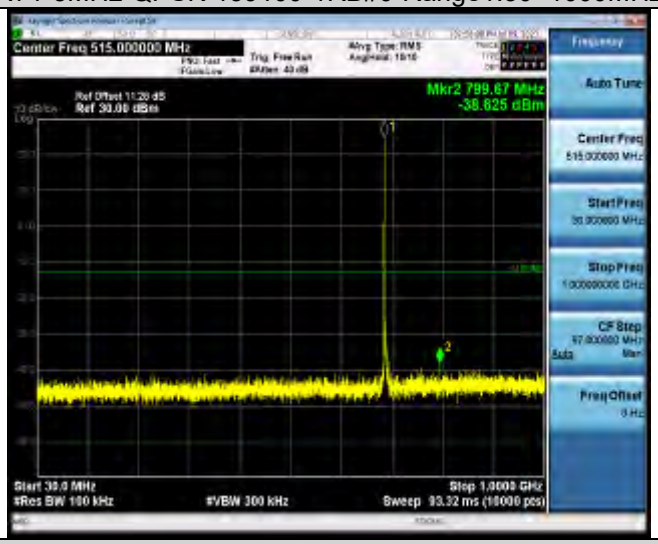
N71-5MHz-QPSK-133100-1RB#0-Range1:30~1000MHz

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

N71-5MHz-QPSK-136100-1RB#0-Range1:30~1000MHz



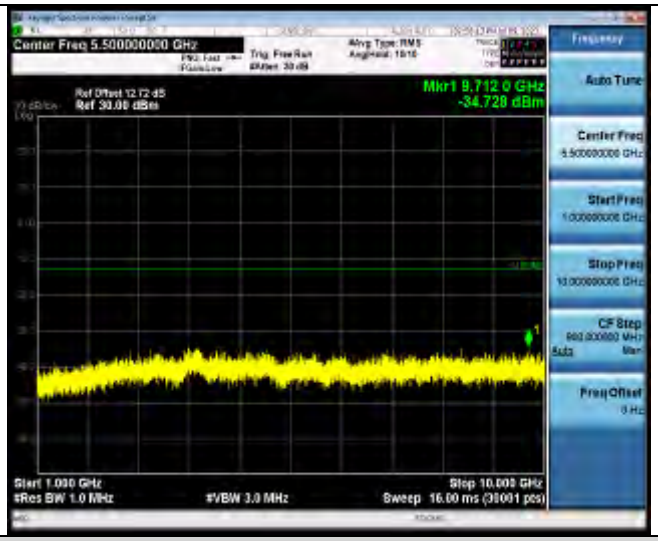
N71-5MHz-QPSK-136100-1RB#0-Range2:1000~10000MHz



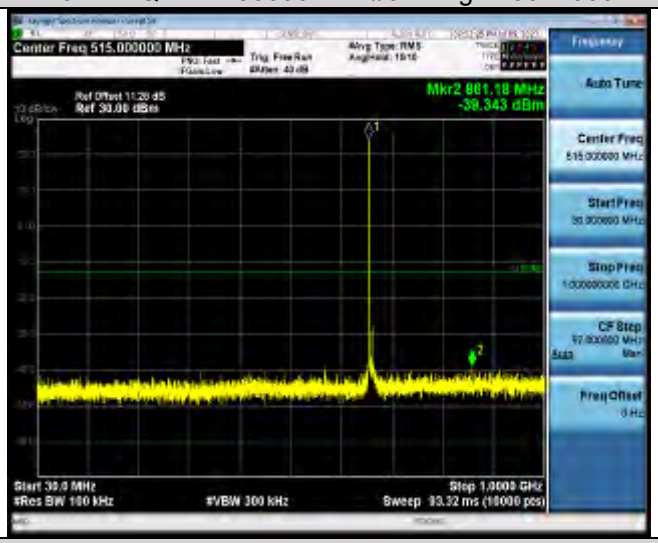
N71-5MHz-QPSK-139100-1RB#0-Range1:30~1000MHz



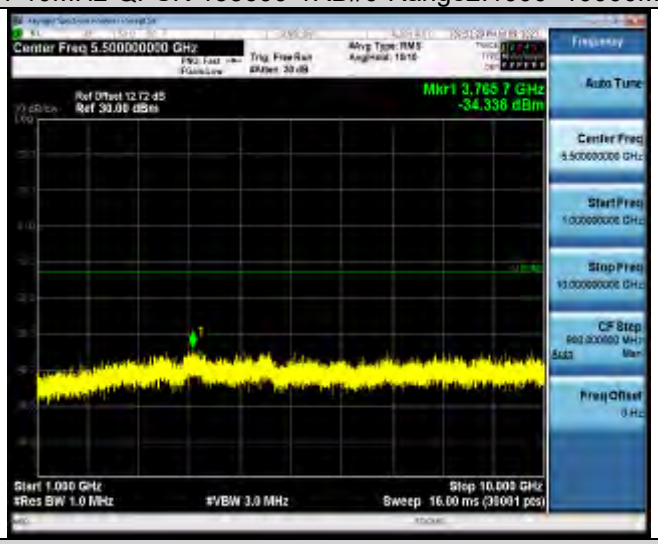
N71-5MHz-QPSK-139100-1RB#0-Range2:1000~10000MHz



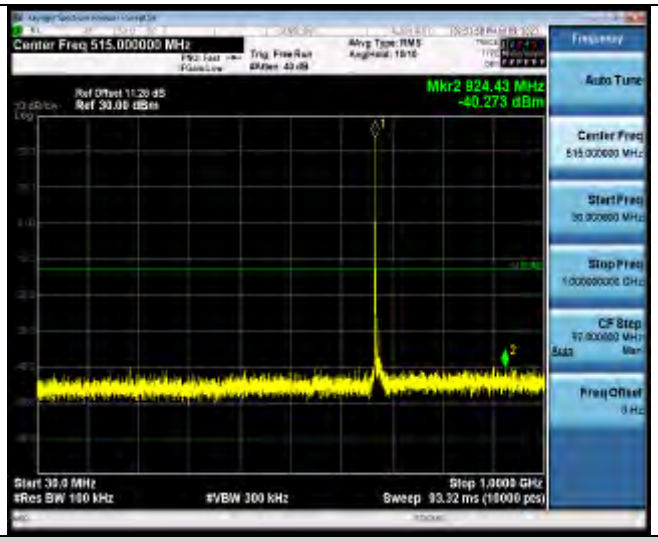
N71-10MHz-QPSK-133600-1RB#0-Range1:30~1000MHz



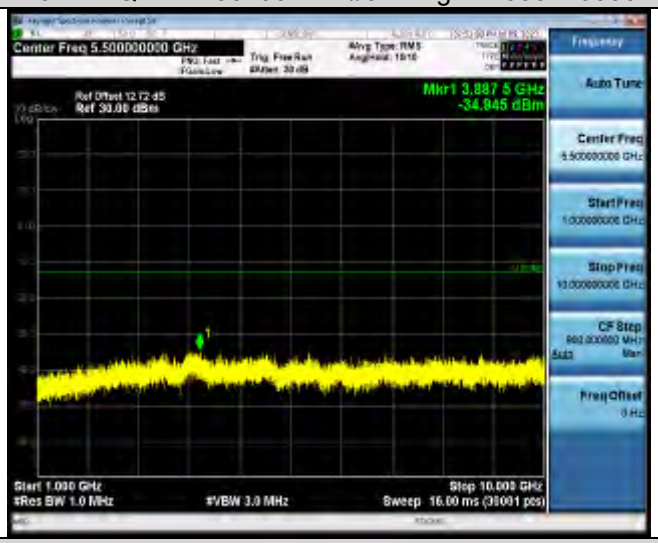
N71-10MHz-QPSK-133600-1RB#0-Range2:1000~10000MHz



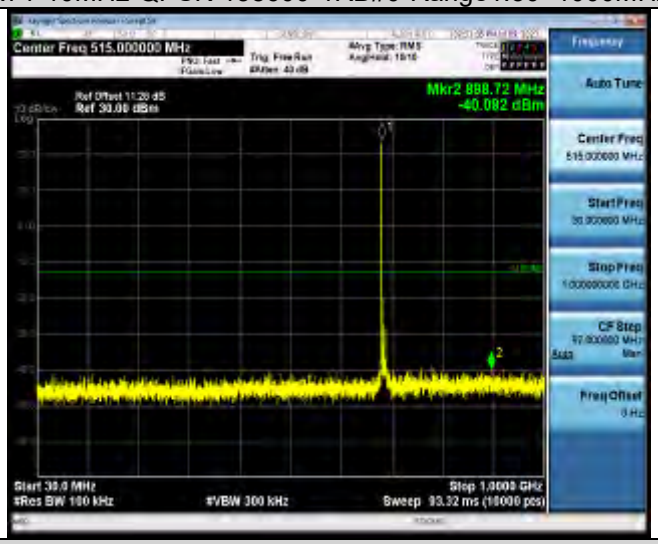
N71-10MHz-QPSK-136100-1RB#0-Range1:30~1000MHz



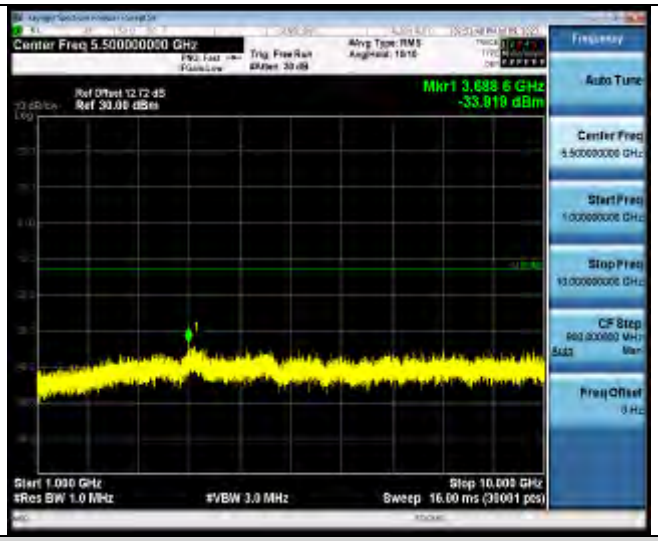
N71-10MHz-QPSK-136100-1RB#0-Range2:1000~10000MHz



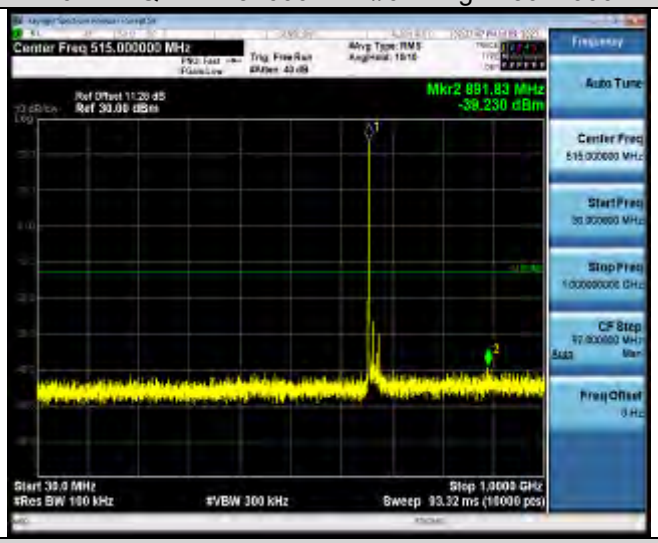
N71-10MHz-QPSK-138600-1RB#0-Range1:30~1000MHz



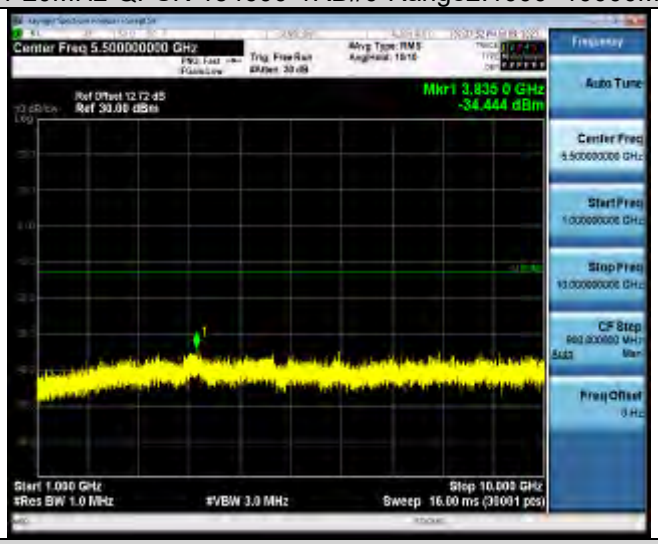
N71-10MHz-QPSK-138600-1RB#0-Range2:1000~10000MHz



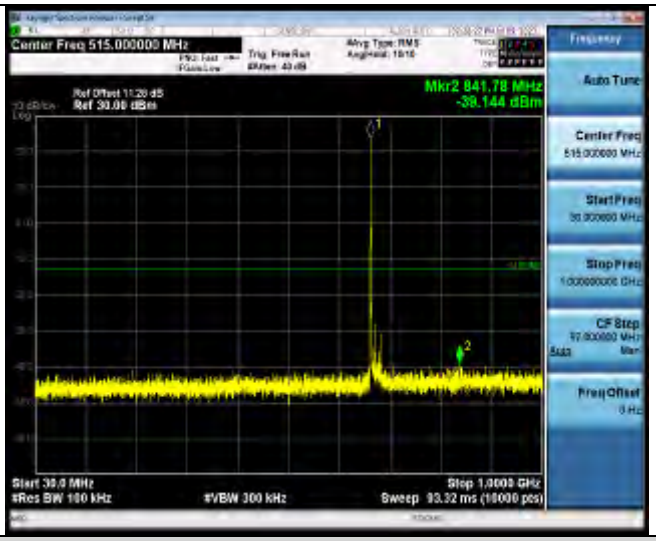
N71-20MHz-QPSK-134600-1RB#0-Range1:30~1000MHz



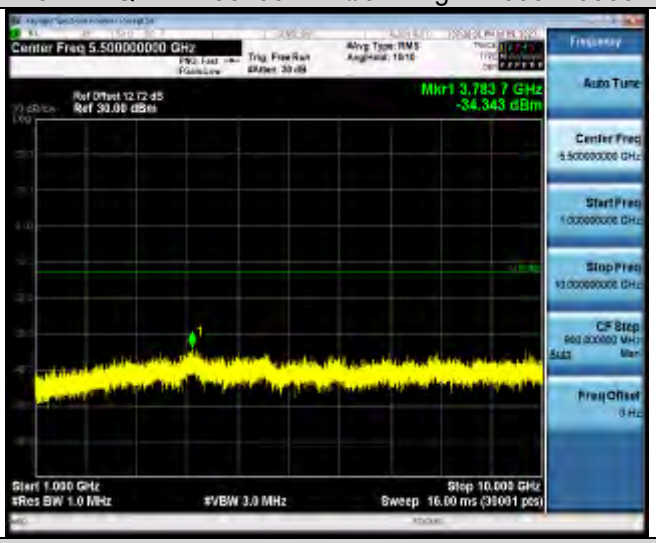
N71-20MHz-QPSK-134600-1RB#0-Range2:1000~10000MHz



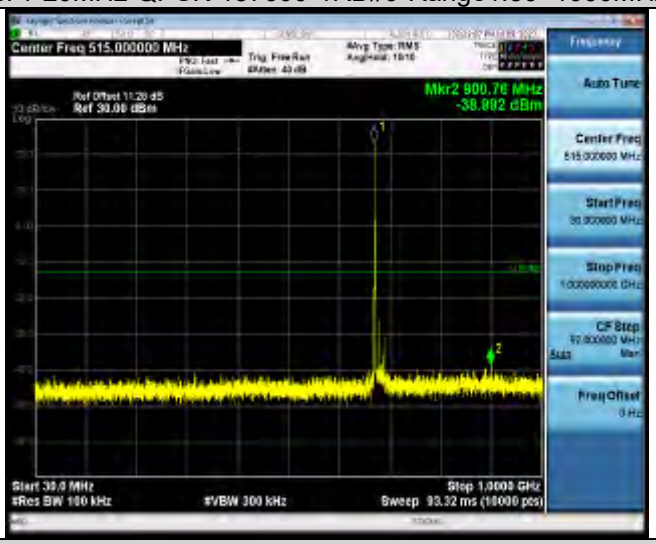
N71-20MHz-QPSK-136100-1RB#0-Range1:30~1000MHz



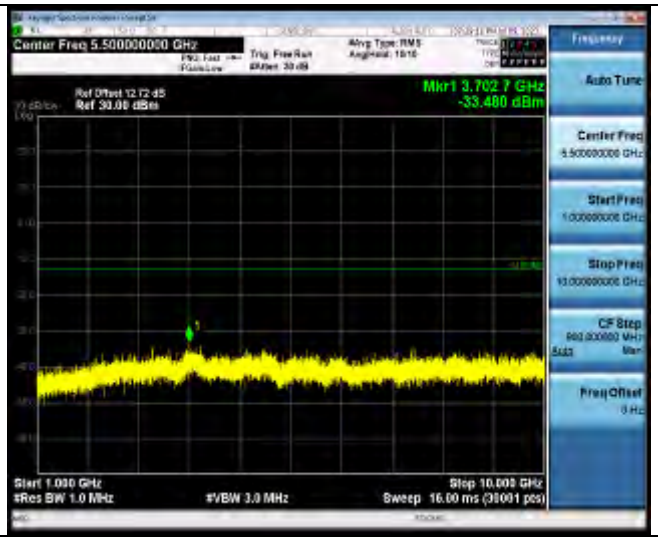
N71-20MHz-QPSK-136100-1RB#0-Range2:1000~10000MHz



N71-20MHz-QPSK-137600-1RB#0-Range1:30~1000MHz



N71-20MHz-QPSK-137600-1RB#0-Range2:1000~10000MHz


Center Freq 5.500000000 GHz
Trig: Free Run
Avg Type: RMS
Ref Offset 12.72 dB
Ref 30.00 dBm
Mkr1 3.702 7 GHz
-33.480 dBm
Frequency
Auto Tune
Center Freq
Start Freq
Stop Freq
CF Step
Freq Offset
Start 1.000 GHz
#Res BW 1.0 MHz
#VBW 3.0 MHz
Stop 10.000 GHz
Sweep 16.00 ms (30001 pts)

FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N71	15MHz	QPSK	134100	100RB#0	VN	NT	26.61	0.03968	±2.5	PASS
N71	15MHz	QPSK	134100	100RB#0	VH	NT	-24.75	-0.03692	±2.5	PASS
N71	15MHz	QPSK	134100	100RB#0	VL	NT	31.07	0.04633	±2.5	PASS
N71	15MHz	QPSK	136100	100RB#0	VN	NT	61.54	0.09044	±2.5	PASS
N71	15MHz	QPSK	136100	100RB#0	VH	NT	96.63	0.14199	±2.5	PASS
N71	15MHz	QPSK	136100	100RB#0	VL	NT	-4.28	-0.00628	±2.5	PASS
N71	15MHz	QPSK	138100	100RB#0	VN	NT	-11.25	-0.01636	±2.5	PASS
N71	15MHz	QPSK	138100	100RB#0	VH	NT	76.48	0.11116	±2.5	PASS
N71	15MHz	QPSK	138100	100RB#0	VH	NT	-84.25	-0.12246	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N71	15MHz	QPSK	134100	100RB#0	NV	-30	79.03	0.11786	±2.5	PASS
N71	15MHz	QPSK	134100	100RB#0	NV	-20	69.61	0.10381	±2.5	PASS
N71	15MHz	QPSK	134100	100RB#0	NV	0	26.47	0.03947	±2.5	PASS
N71	15MHz	QPSK	134100	100RB#0	NV	10	15.77	0.02352	±2.5	PASS
N71	15MHz	QPSK	134100	100RB#0	NV	20	19.33	0.02883	±2.5	PASS
N71	15MHz	QPSK	134100	100RB#0	NV	30	-48.31	-0.07205	±2.5	PASS
N71	15MHz	QPSK	134100	100RB#0	NV	40	-48.08	-0.07171	±2.5	PASS
N71	15MHz	QPSK	134100	100RB#0	NV	50	-5.07	-0.00756	±2.5	PASS
N71	15MHz	QPSK	136100	100RB#0	NV	-30	-18.02	-0.02648	±2.5	PASS
N71	15MHz	QPSK	136100	100RB#0	NV	-20	53.86	0.07914	±2.5	PASS
N71	15MHz	QPSK	136100	100RB#0	NV	0	95.00	0.13961	±2.5	PASS
N71	15MHz	QPSK	136100	100RB#0	NV	10	46.78	0.06874	±2.5	PASS
N71	15MHz	QPSK	136100	100RB#0	NV	20	42.20	0.06201	±2.5	PASS
N71	15MHz	QPSK	136100	100RB#0	NV	30	-10.00	-0.01469	±2.5	PASS
N71	15MHz	QPSK	136100	100RB#0	NV	40	65.25	0.09589	±2.5	PASS
N71	15MHz	QPSK	136100	100RB#0	NV	50	-43.41	-0.06379	±2.5	PASS
N71	15MHz	QPSK	138100	100RB#0	NV	-30	9.11	0.01324	±2.5	PASS
N71	15MHz	QPSK	138100	100RB#0	NV	-20	-21.12	-0.03070	±2.5	PASS
N71	15MHz	QPSK	138100	100RB#0	NV	0	0.02	0.00003	±2.5	PASS
N71	15MHz	QPSK	138100	100RB#0	NV	10	62.48	0.09081	±2.5	PASS
N71	15MHz	QPSK	138100	100RB#0	NV	20	34.42	0.05003	±2.5	PASS

N71	15MHz	QPSK	138100	100RB#0	NV	30	-27.15	-0.03946	±2.5	PASS
N71	15MHz	QPSK	138100	100RB#0	NV	40	-15.86	-0.02305	±2.5	PASS
N71	15MHz	QPSK	138100	100RB#0	NV	50	22.63	0.03289	±2.5	PASS