n66 SCS=15kHz DFT_QAM64 BW=15MHz Channel=349000 RB=75@0

n66 SCS=15kHz DFT_QAM64 BW=5MHz Channel=349000 RB=25@0

n66 SCS=15kHz DFT_QAM64 BW=40MHz Channel=349000 RB=216@0

n66 SCS=15kHz DFT_QAM256 BW=40MHz Channel=349000 RB=216@0

n66 SCS=15kHz DFT_QAM256 BW=20MHz Channel=349000 RB=100@0

n66 SCS=15kHz DFT_QAM64 BW=10MHz Channel=349000 RB=50@0

n66 SCS=15kHz DFT_QAM256 BW=5MHz Channel=349000 RB=25@0

n66 SCS=15kHz DFT_QPSK BW=15MHz Channel=349000 RB=75@0

n66 SCS=15kHz DFT_QPSK BW=10MHz Channel=349000 RB=50@0

n66 SCS=15kHz DFT_QPSK BW=5MHz Channel=349000 RB=25@0

n66 SCS=15kHz DFT_QPSK BW=40MHz Channel=349000 RB=216@0

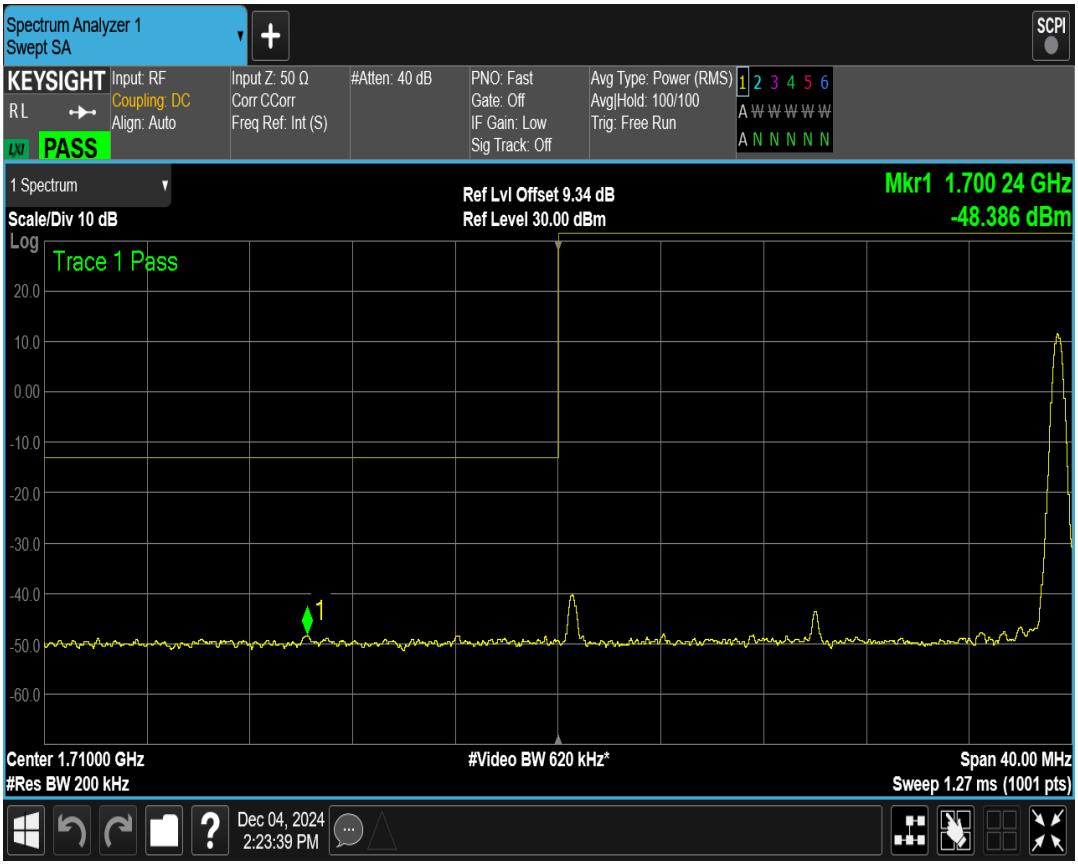
n66 SCS=15kHz DFT_QPSK BW=20MHz Channel=349000 RB=100@0

KEYSIGHT Keysight RF Application (3.5.134.12281)
LTE1
CONNECTED
Band
B2
BW
20 MHz
ARFCN/Freq
D: 900
1960.00 MHz
18900
U: 1880.00 MHz
Cell Power
-30.00 dBm/BW
CLPC
All Up Bits
NR1
CONNECTED
Band
N66
DL BW
20 MHz
Low
Mid
High
ARFCN/Freq
D: 429000
2145.00 MHz
349000
U: 1745.00 MHz
Cell Power
-43.73 dBm/BW
CLPC
All Up Bits
Test Case
6.2B.1.3 FR1 ENDC UE Maximum Output Power
NSA
LTE1
LTE2
NR1
NR2
Cell Quick Config
Measurement
BLER/Tput
UE Info.
Msg. Summary
NR UE Power: 22 dBm DL BLER: — %
Duplex: FDD
Port: RFIO1
Freq: 1745 MHz
EIP: 25 dBm
Measuring
Acquiring
Avg: 2/2
Occupied Bandwidth
Amplitude (dBm)
7.38
0.00
-7.38
-14.75
-22.13
-29.51
-36.89
-44.26
-51.64
-59.02
1.728
1.732
1.736
1.740
1.744
1.748
1.752
1.756
1.760
1.764
Frequency (GHz)
Pass/Fail Pass
OBW 18.697 MHz
Tx Freq Err 0.00 Hz
X dB BW 18.17 MHz
Total Power 22.42 dBm
Meas Cell
NR1
Meas Mode
Basic
Meas Select
Meas Channel
PUSCH
Average Count
2
Continuous
Off
Restart
LTE1
NR1
Common
UL RMC Quick Config
DFT-s-OFDM-QPSK
UL RB Allocation Type
Contiguous
UL RB Allocation
Custom
Start/Count
0 100
UL MCS/Type
2 - QPSK
MCS Table
64 QAM
UL Waveform
DFT-s-OFDM
Pi/2 BPSK
OFF
Additional Spectrum Emission
ON NS_01
P-Max
OFF
p-NR-FR1
20
MAC Padding
DL Off
UL On
Cell
DL Scheduler
UL Scheduler
Blind Handover
Channel
PRACH
Test Case Params
Advanced
Connect
Disconnect
Aggregate
Load Configuration
Save Configuration
Preset
Local
Ready
Current Log
2024-12-04 15:54:21

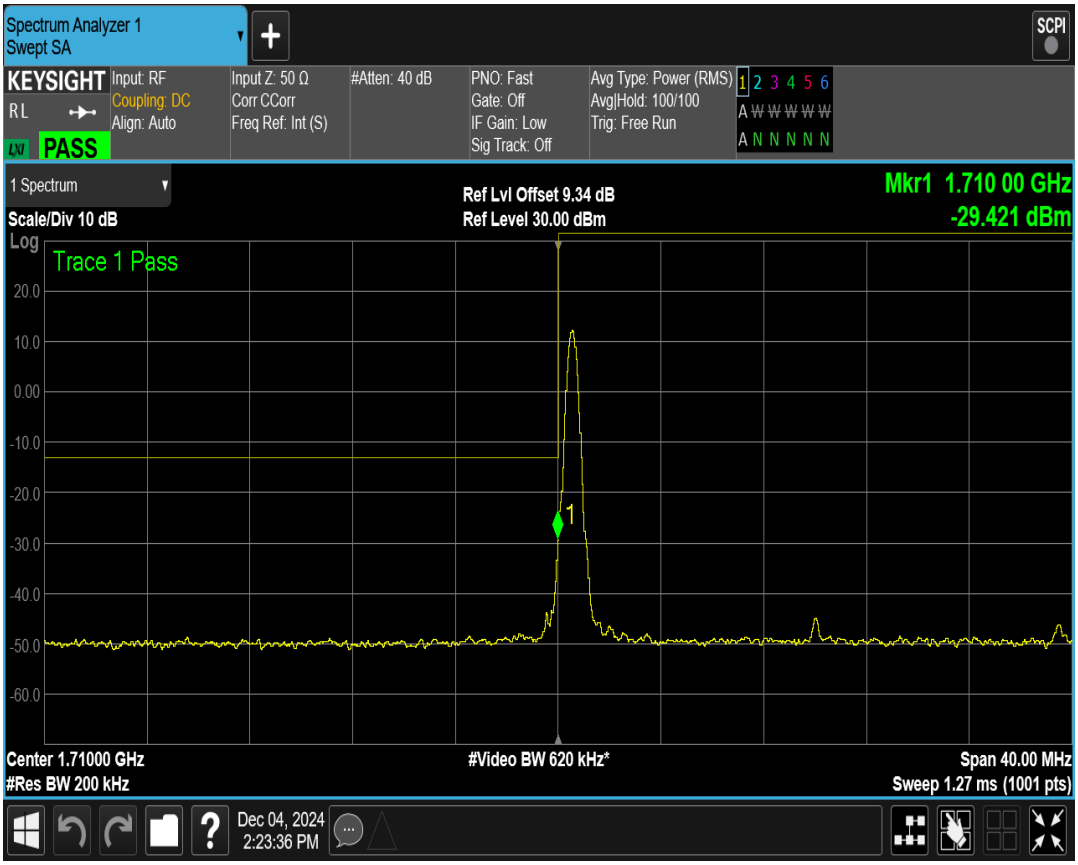
5 Band edge for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n66	15	5	342500	25@0	CP_QPSK	1710.00	-39.96	-13	PASS
n66	15	5	342500	1@0	CP_QPSK	1710.00	-14.73	-13	PASS
n66	15	5	342500	1@24	CP_QPSK	1709.78	-48.34	-13	PASS
n66	15	5	355500	25@0	CP_QPSK	1780.13	-41.79	-13	PASS
n66	15	5	355500	1@0	CP_QPSK	1780.49	-47.91	-13	PASS
n66	15	5	355500	1@24	CP_QPSK	1780.00	-14.65	-13	PASS
n66	15	20	344000	106@0	CP_QPSK	1709.84	-42.34	-13	PASS
n66	15	20	344000	1@0	CP_QPSK	1710.00	-29.42	-13	PASS
n66	15	20	344000	1@105	CP_QPSK	1700.24	-48.38	-13	PASS
n66	15	20	354000	106@0	CP_QPSK	1780.12	-40.87	-13	PASS
n66	15	20	354000	1@0	CP_QPSK	1789.80	-48.10	-13	PASS
n66	15	20	354000	1@105	CP_QPSK	1780.00	-35.89	-13	PASS
n66	15	40	346000	216@0	CP_QPSK	1710.00	-35.96	-13	PASS
n66	15	40	346000	1@0	CP_QPSK	1710.00	-29.48	-13	PASS
n66	15	40	346000	1@215	CP_QPSK	1702.64	-48.73	-13	PASS
n66	15	40	352000	216@0	CP_QPSK	1780.00	-33.36	-13	PASS
n66	15	40	352000	1@0	CP_QPSK	1780.80	-48.74	-13	PASS
n66	15	40	352000	1@215	CP_QPSK	1780.00	-26.30	-13	PASS

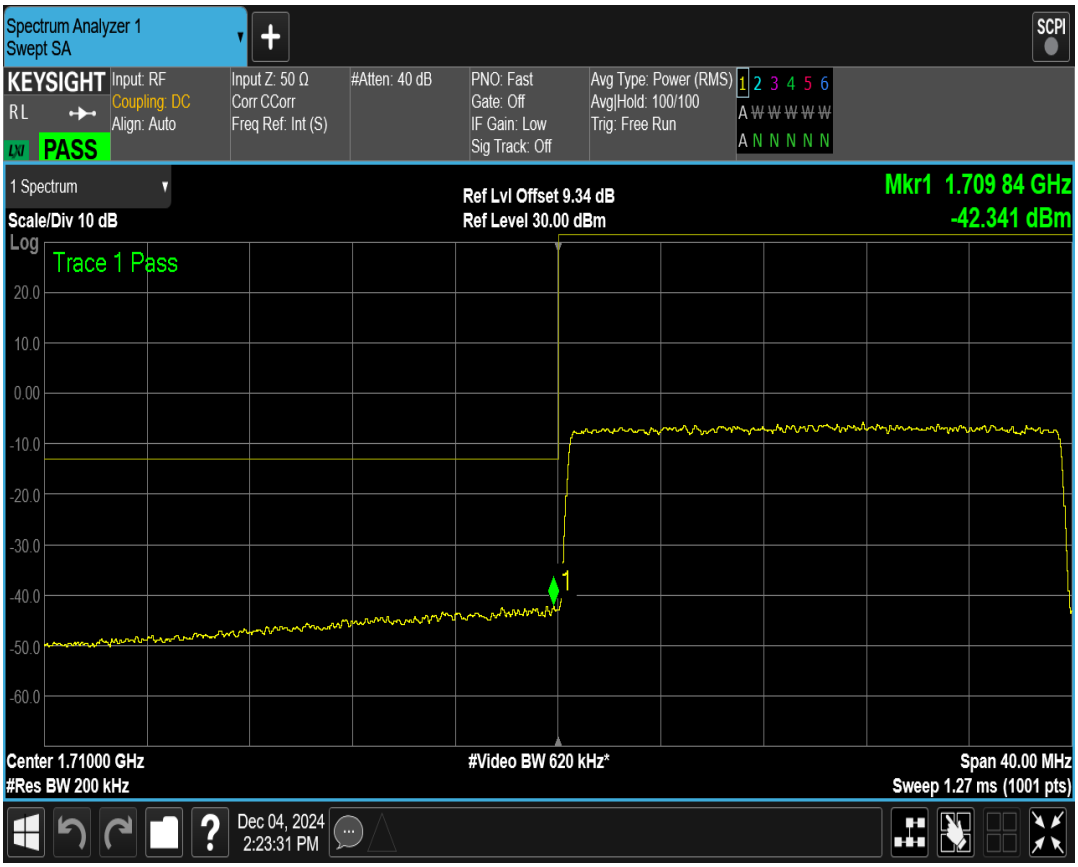
n66 SCS=15kHz CP_QPSK BW=20MHz Channel=344000 RB=1@105



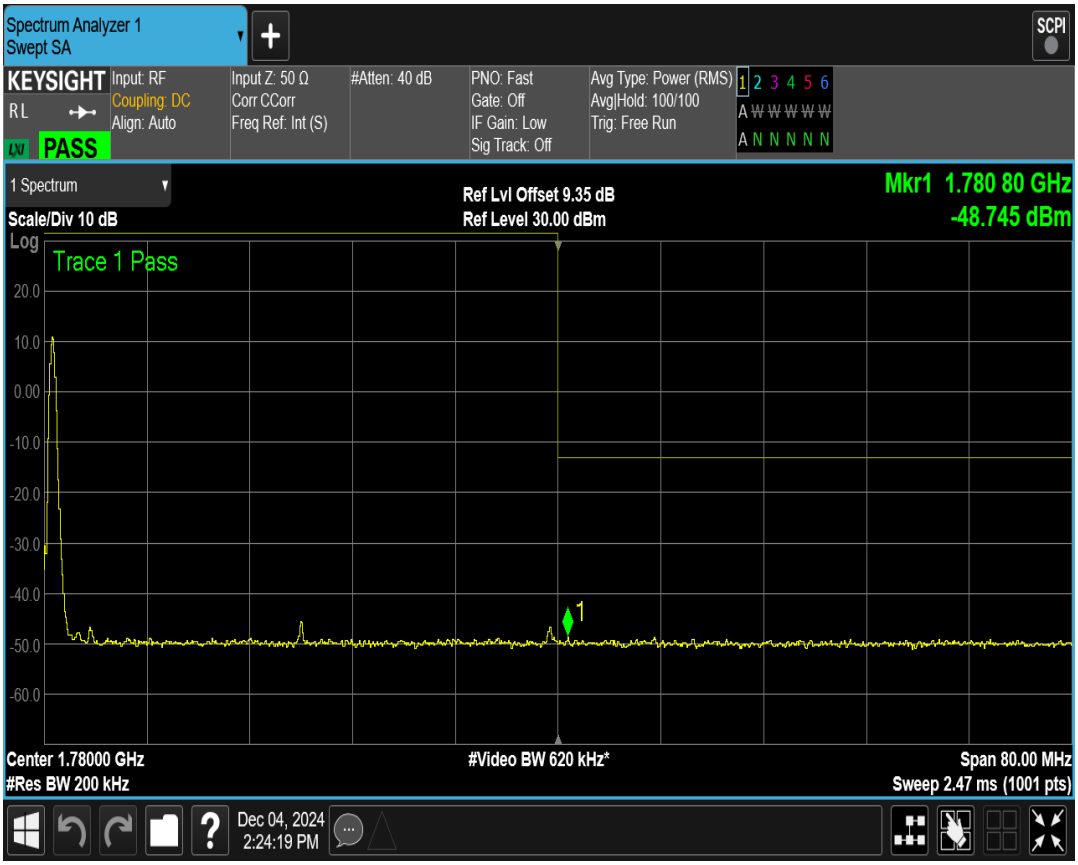
n66 SCS=15kHz CP_QPSK BW=20MHz Channel=344000 RB=1@0



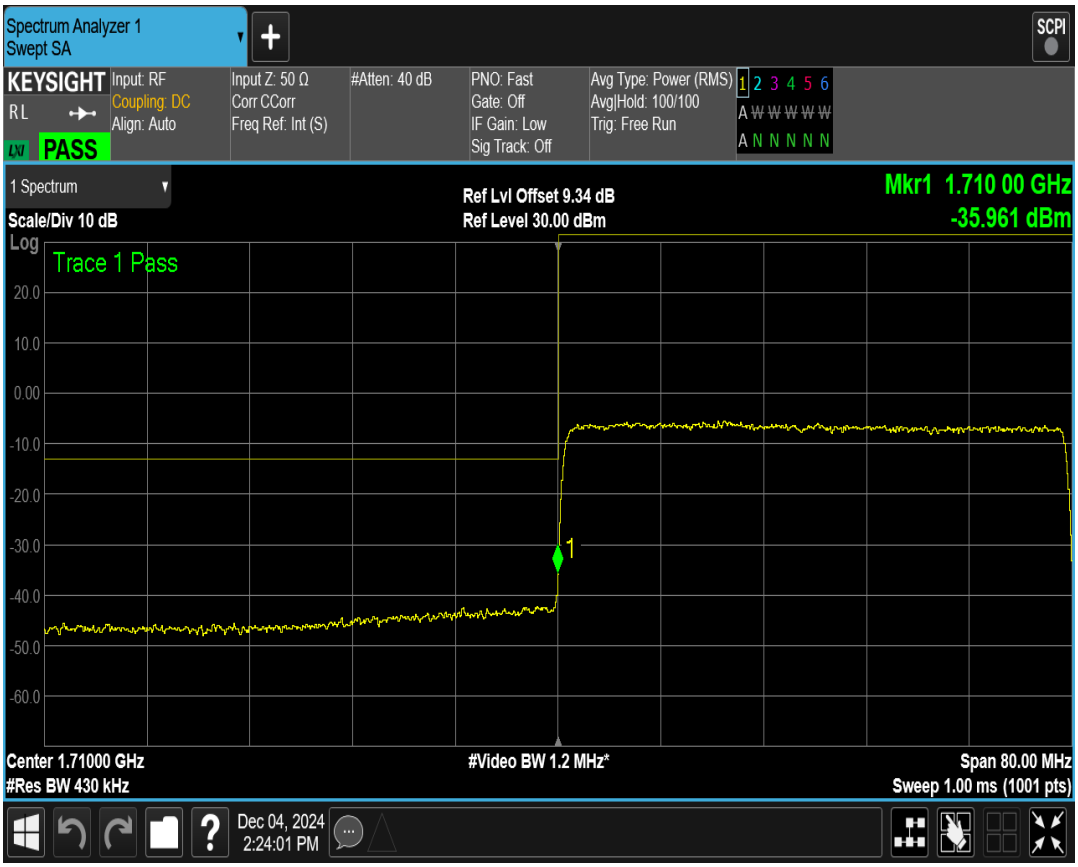
n66 SCS=15kHz CP_QPSK BW=20MHz Channel=344000 RB=106@0



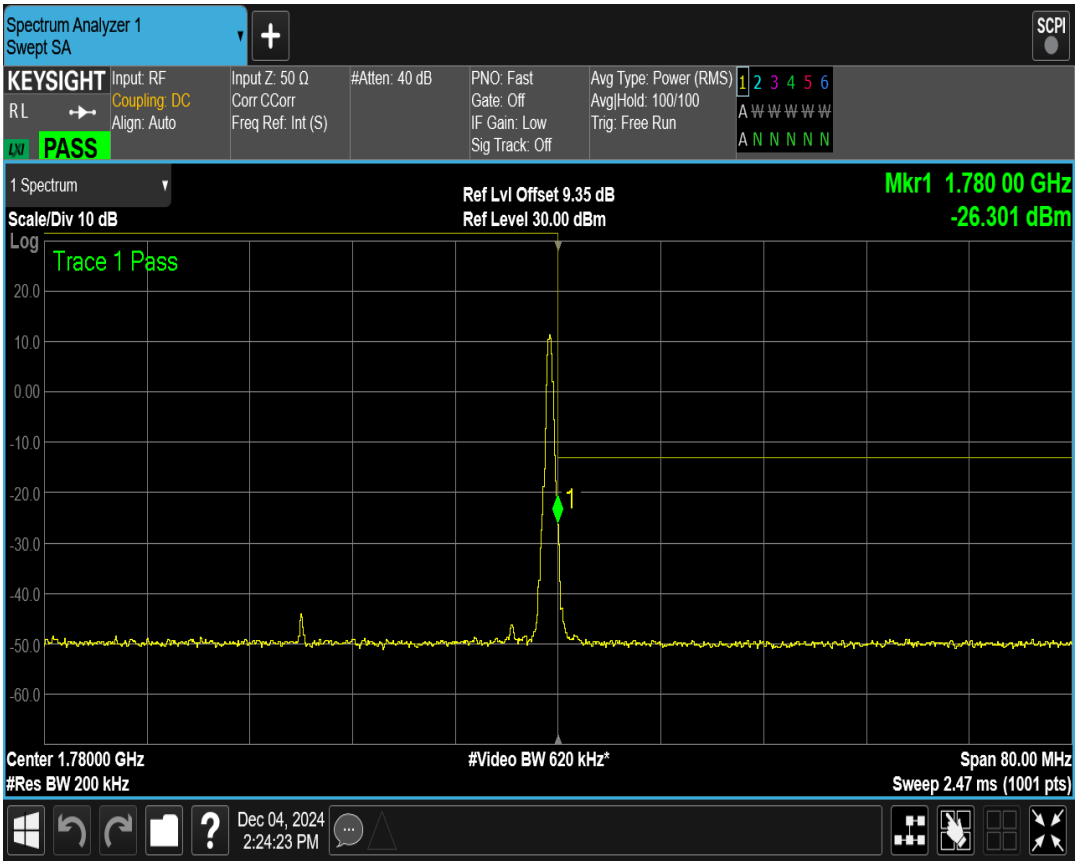
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=352000 RB=1@0



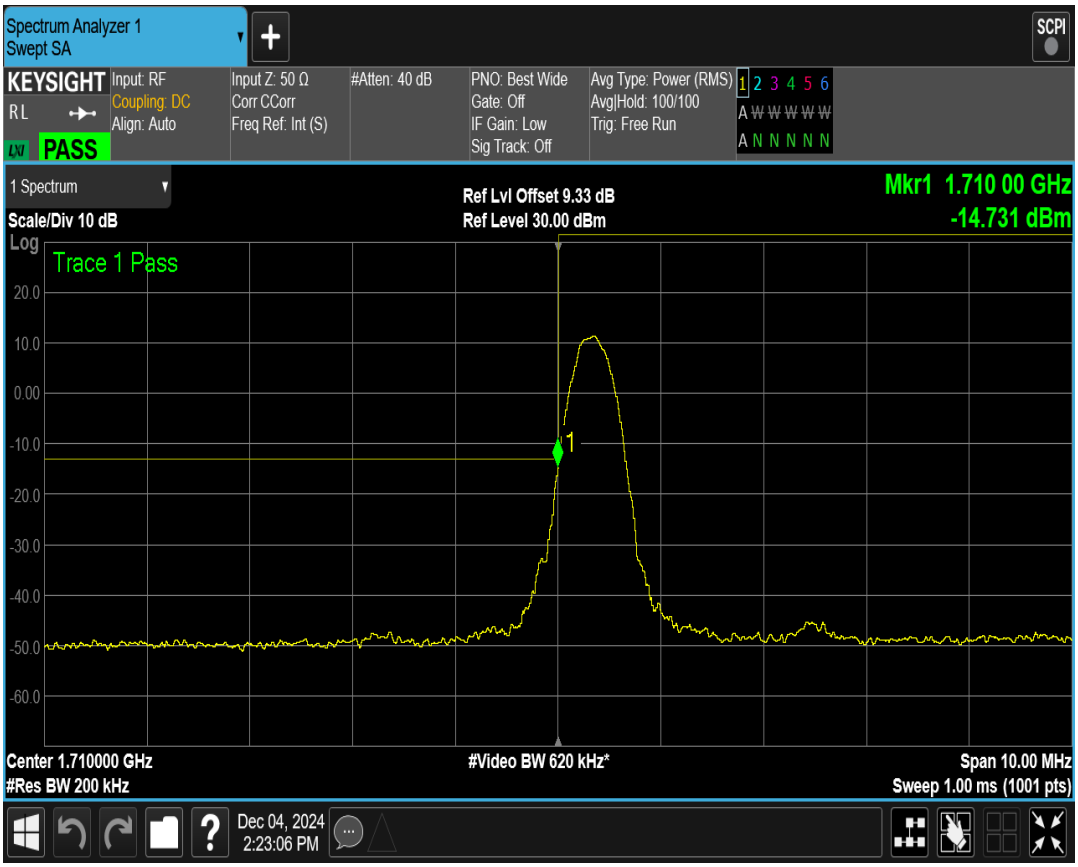
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=346000 RB=216@0



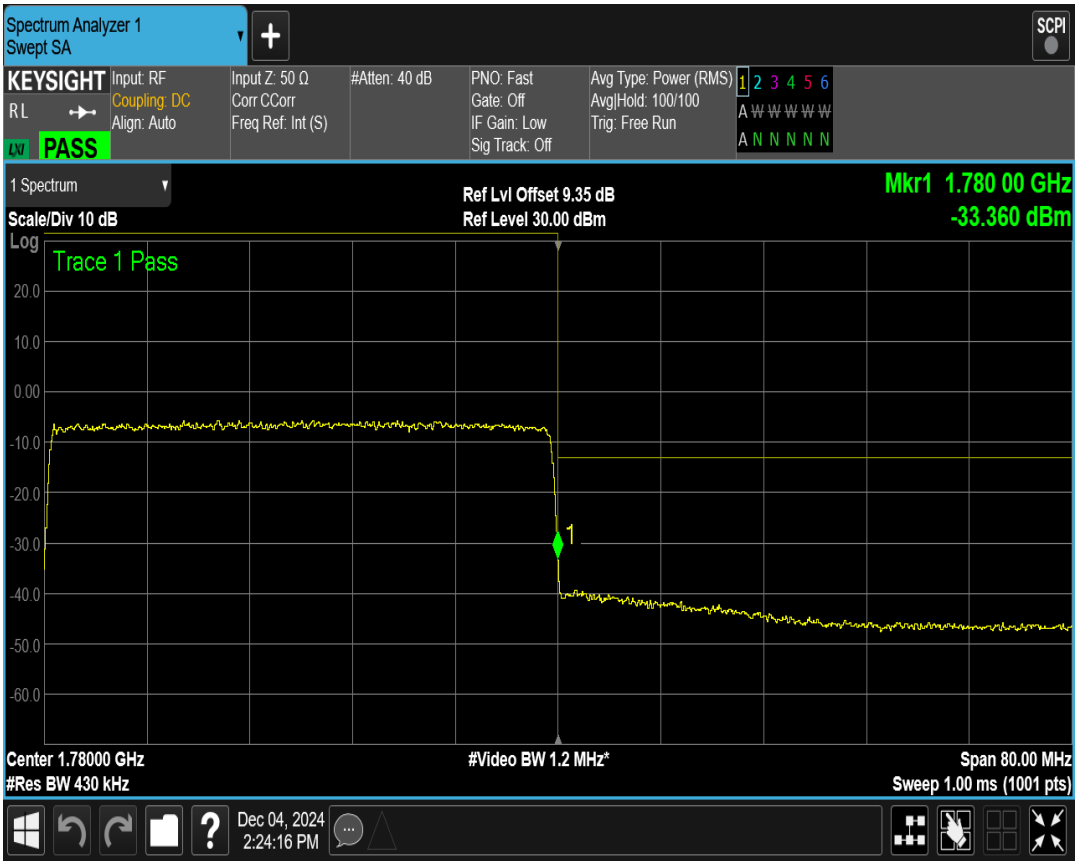
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=352000 RB=1@215



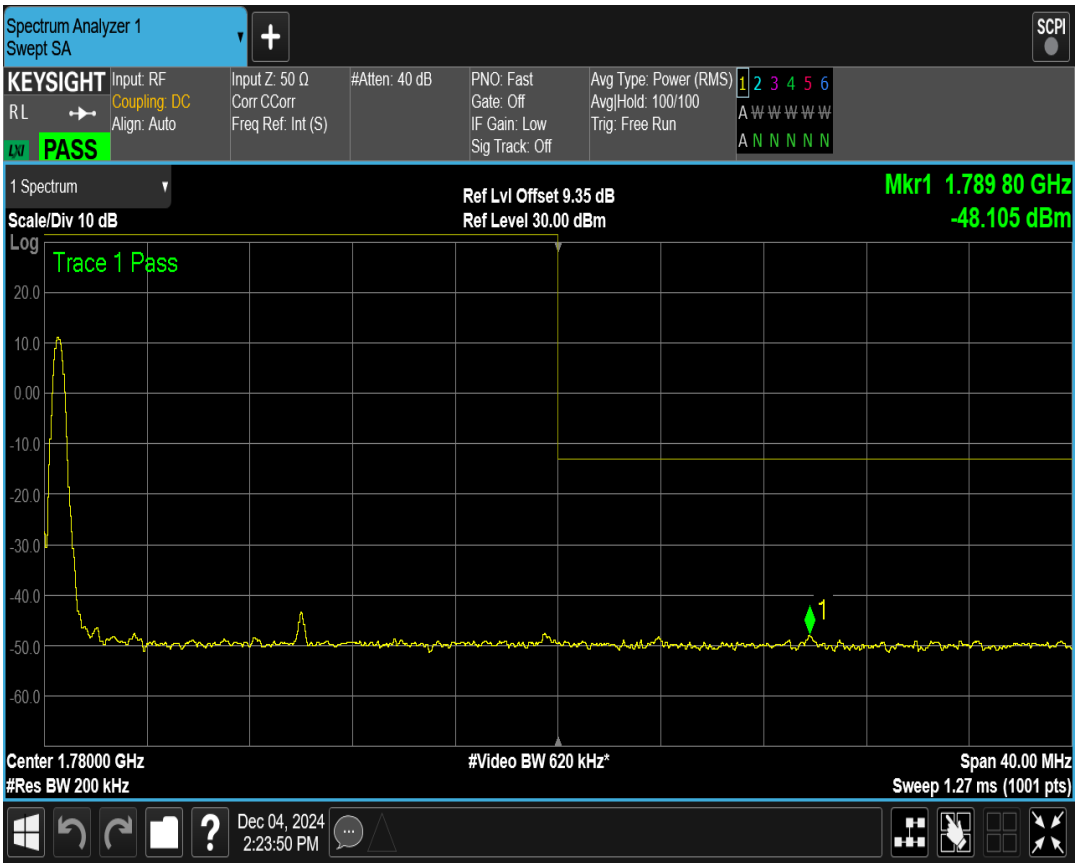
n66 SCS=15kHz CP_QPSK BW=5MHz Channel=342500 RB=1@0



n66 SCS=15kHz CP_QPSK BW=40MHz Channel=352000 RB=216@0

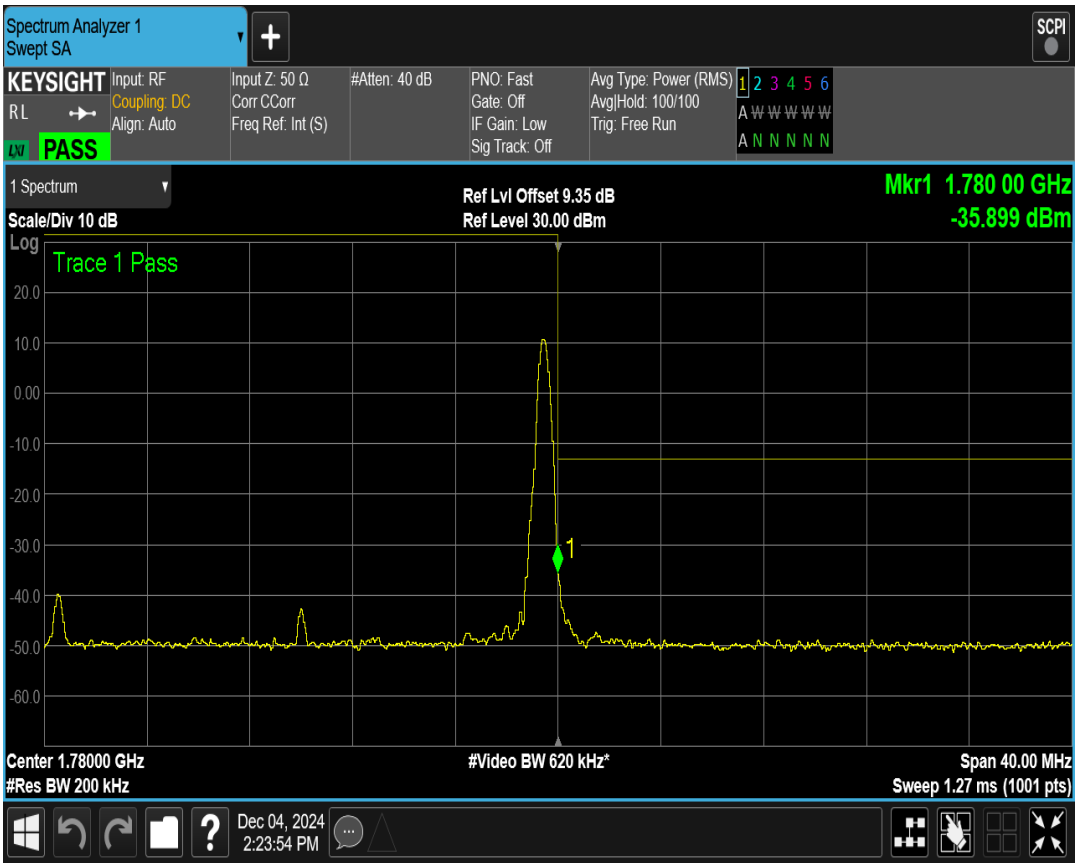


n66 SCS=15kHz CP_QPSK BW=20MHz Channel=354000 RB=1@0

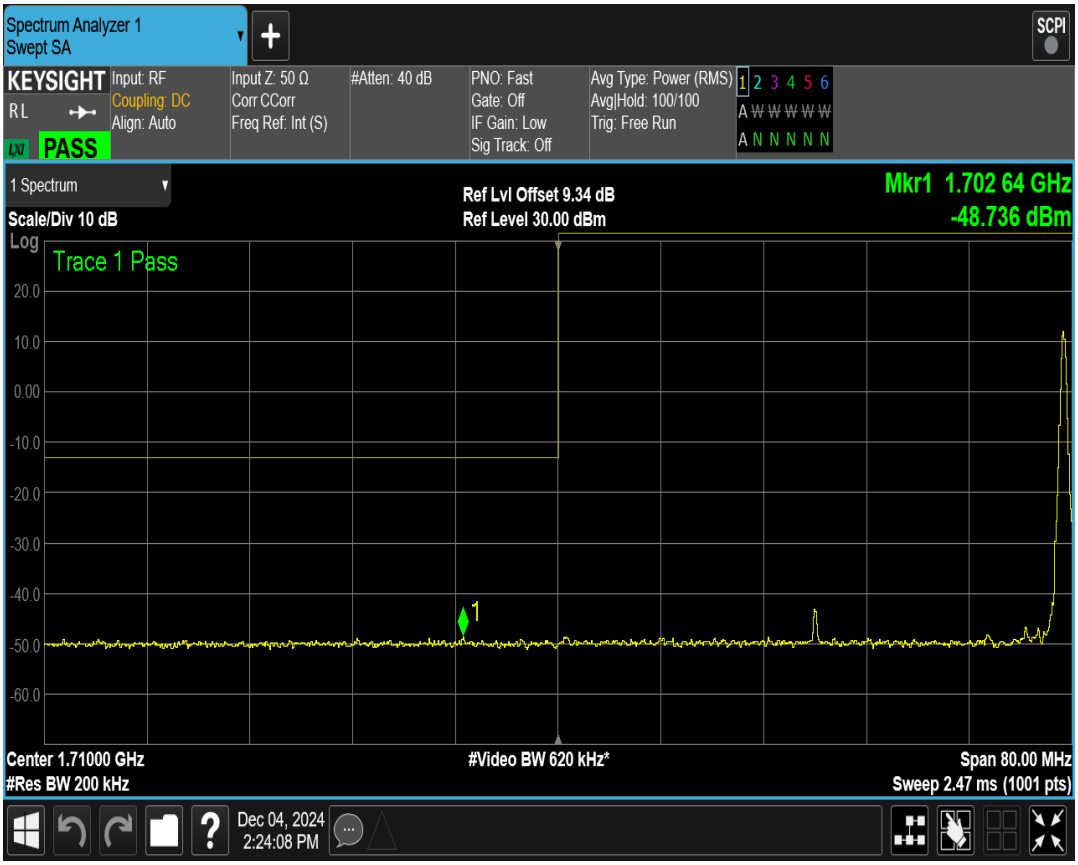


n66 SCS=15kHz CP_QPSK BW=20MHz Channel=354000 RB=106@0

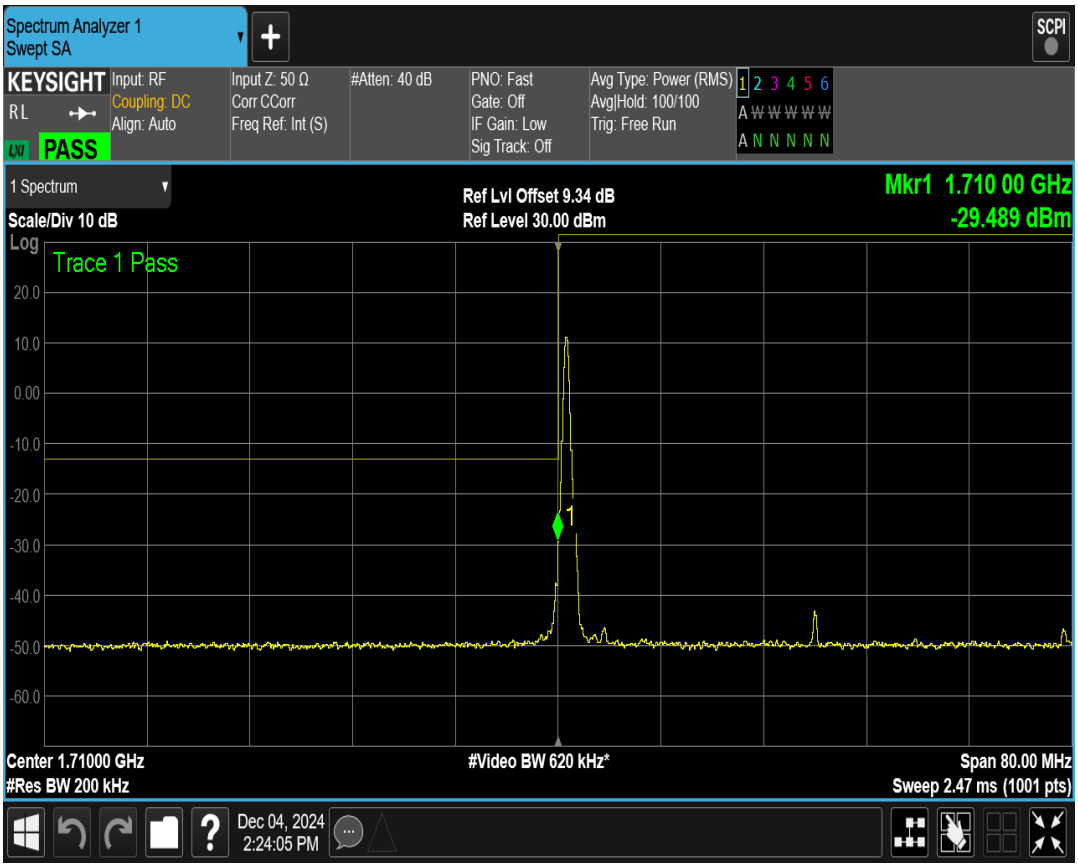
n66 SCS=15kHz CP_QPSK BW=20MHz Channel=354000 RB=1@105



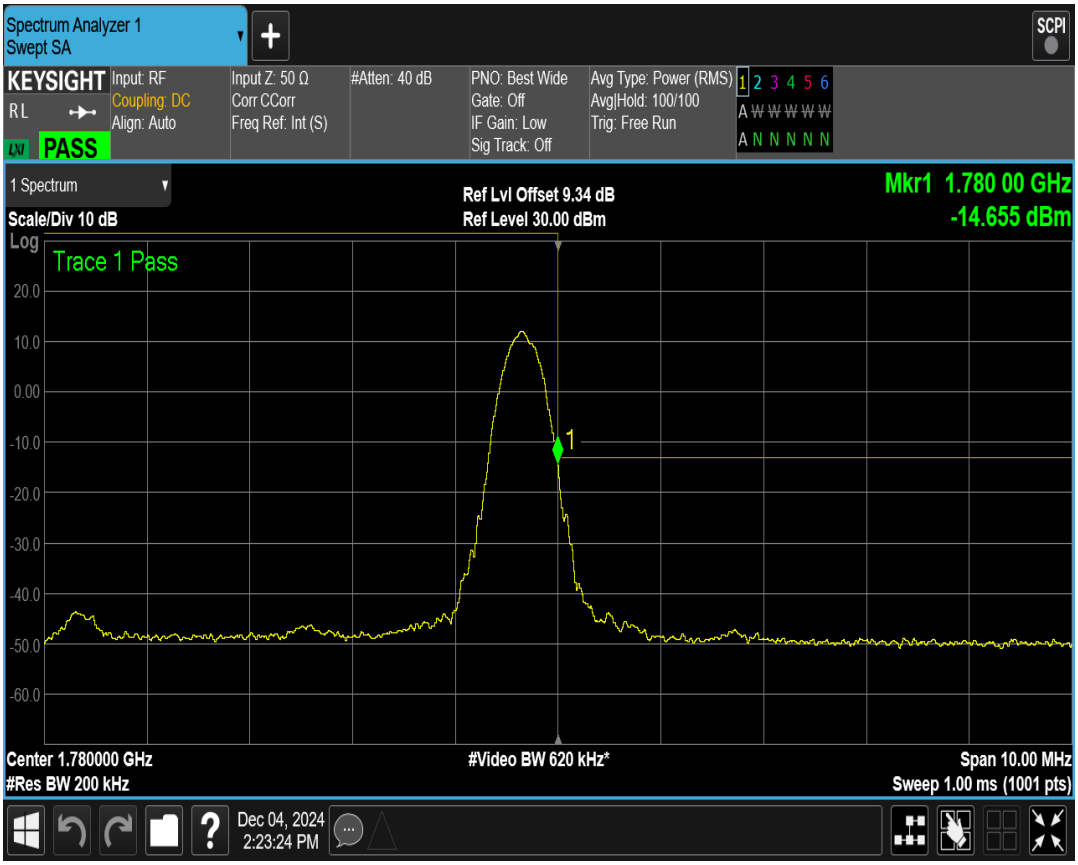
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=346000 RB=1@215



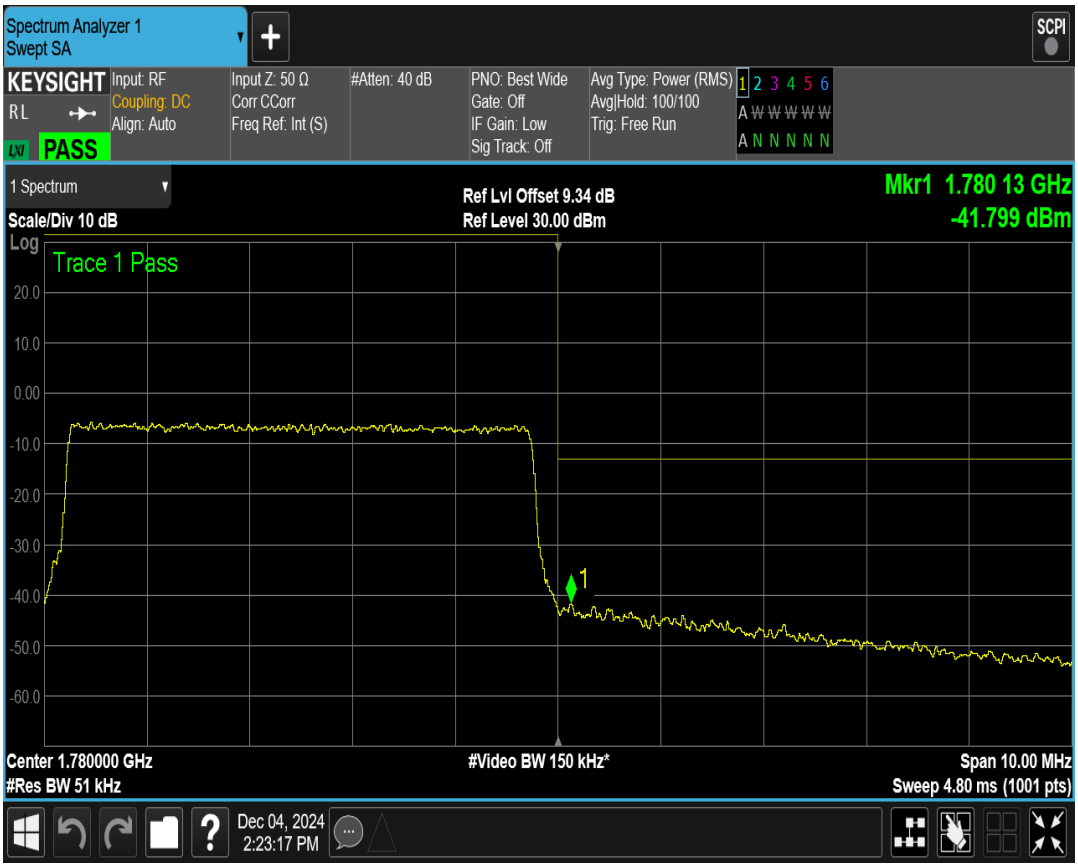
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=346000 RB=1@0



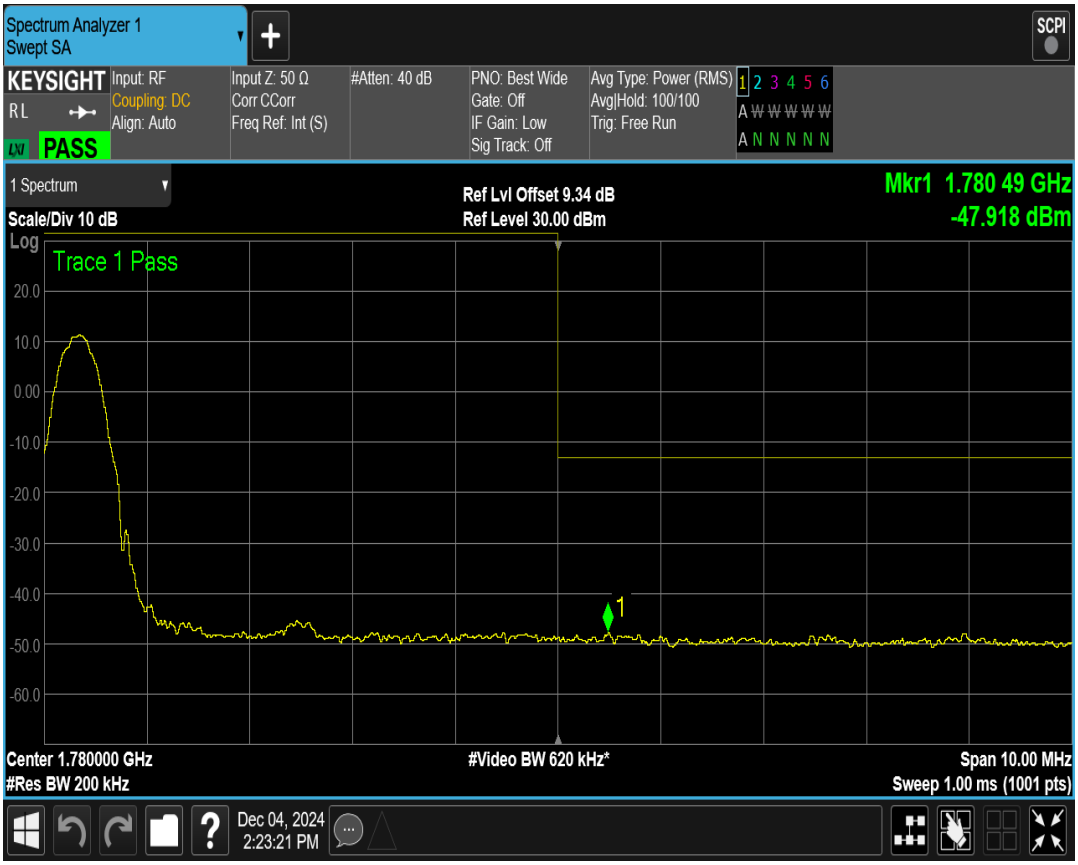
n66 SCS=15kHz CP_QPSK BW=5MHz Channel=355500 RB=1@24



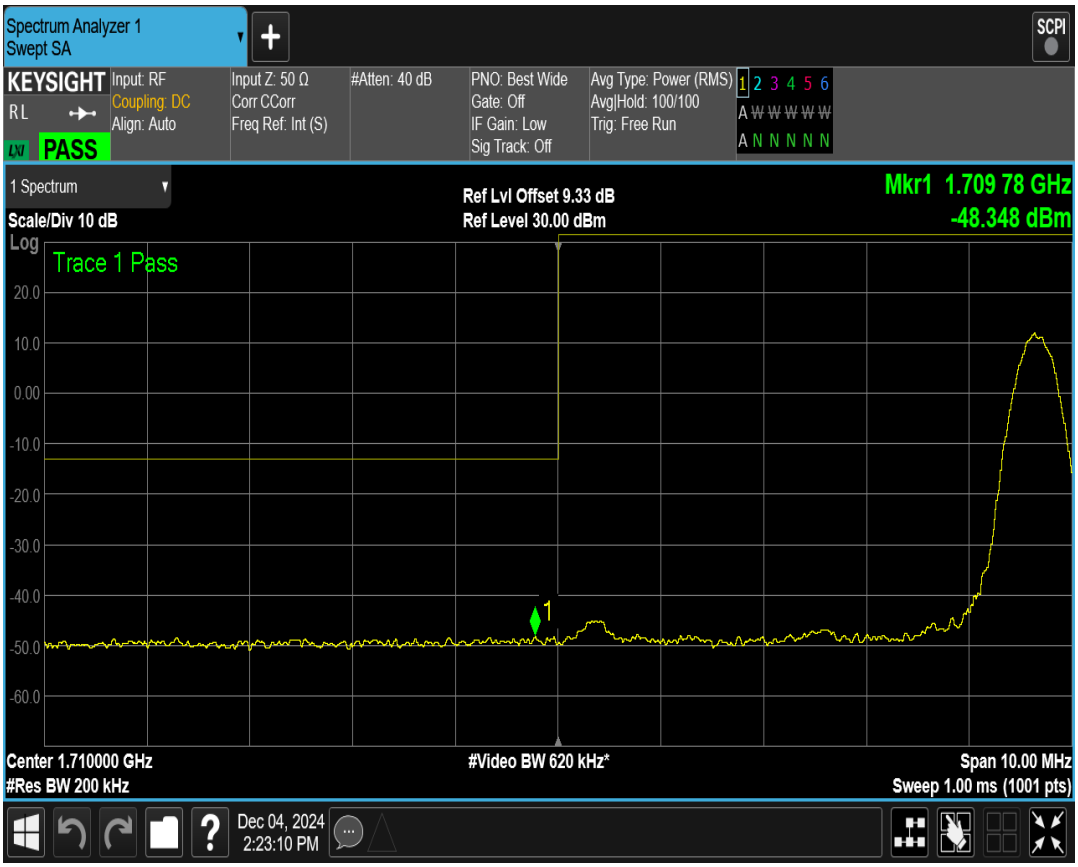
n66 SCS=15kHz CP_QPSK BW=5MHz Channel=355500 RB=25@0



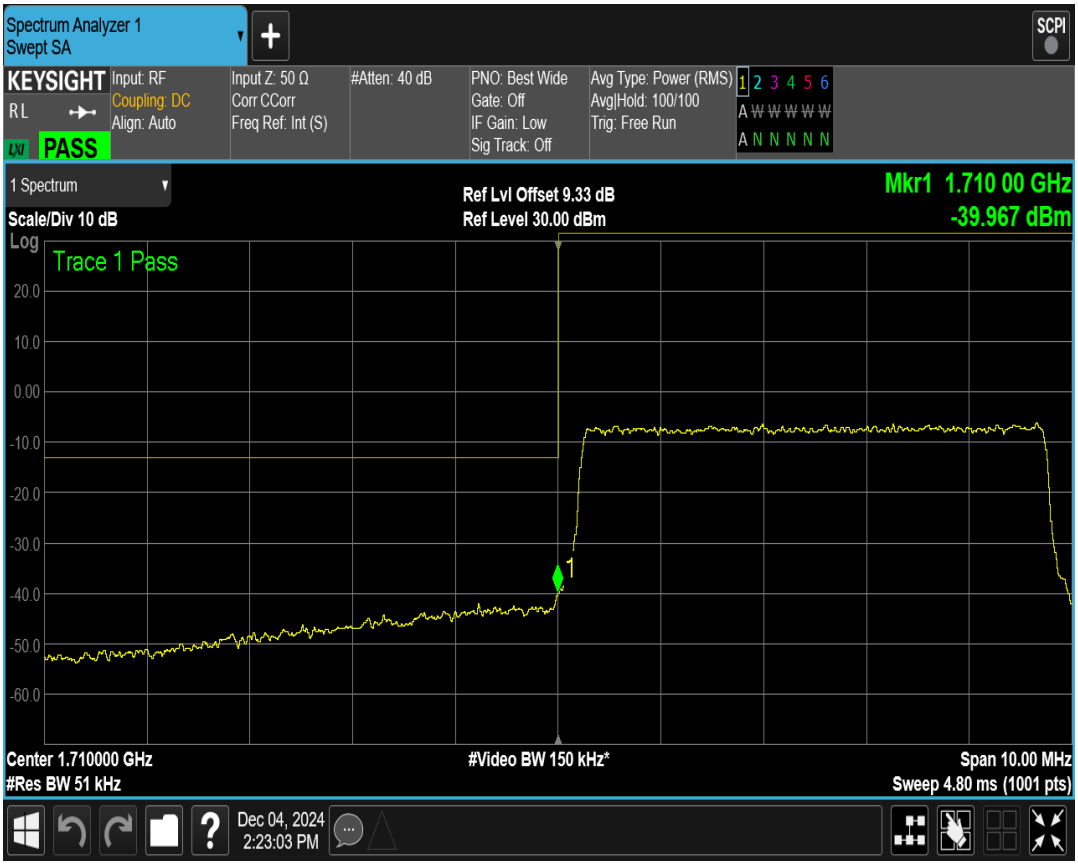
n66 SCS=15kHz CP_QPSK BW=5MHz Channel=355500 RB=1@0



n66 SCS=15kHz CP_QPSK BW=5MHz Channel=342500 RB=1@24



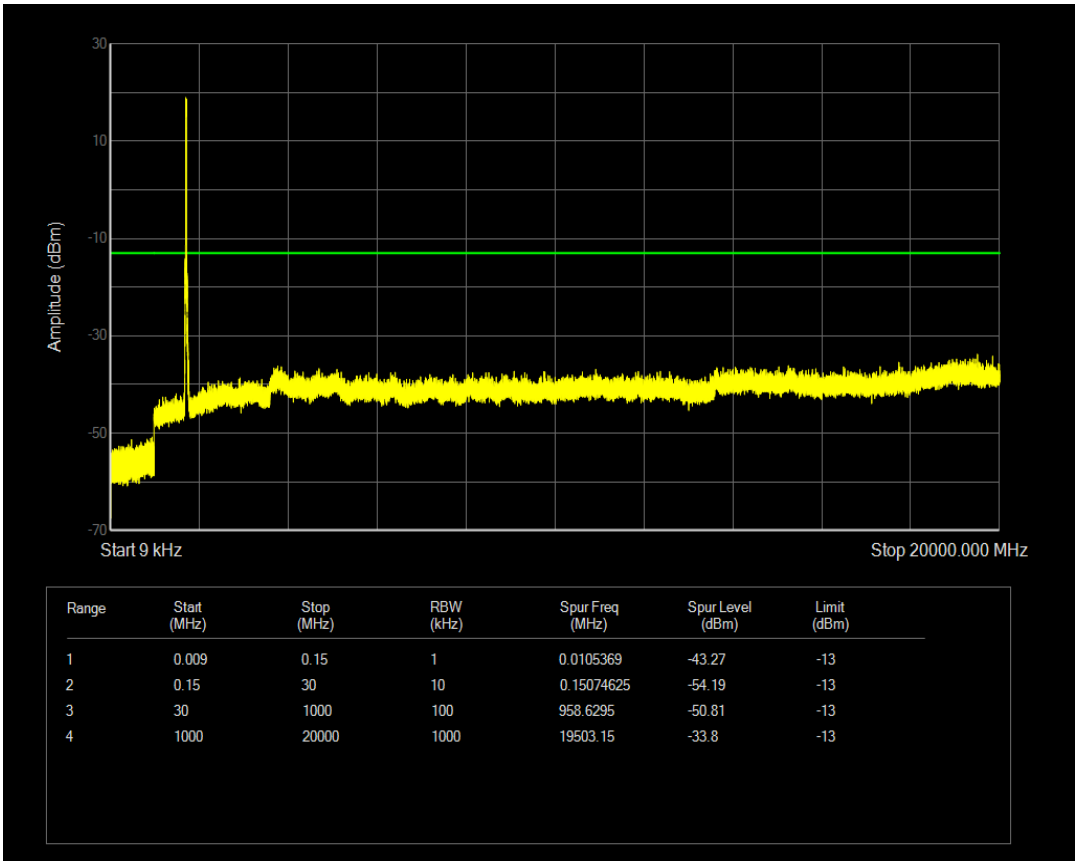
n66 SCS=15kHz CP_QPSK BW=5MHz Channel=342500 RB=25@0



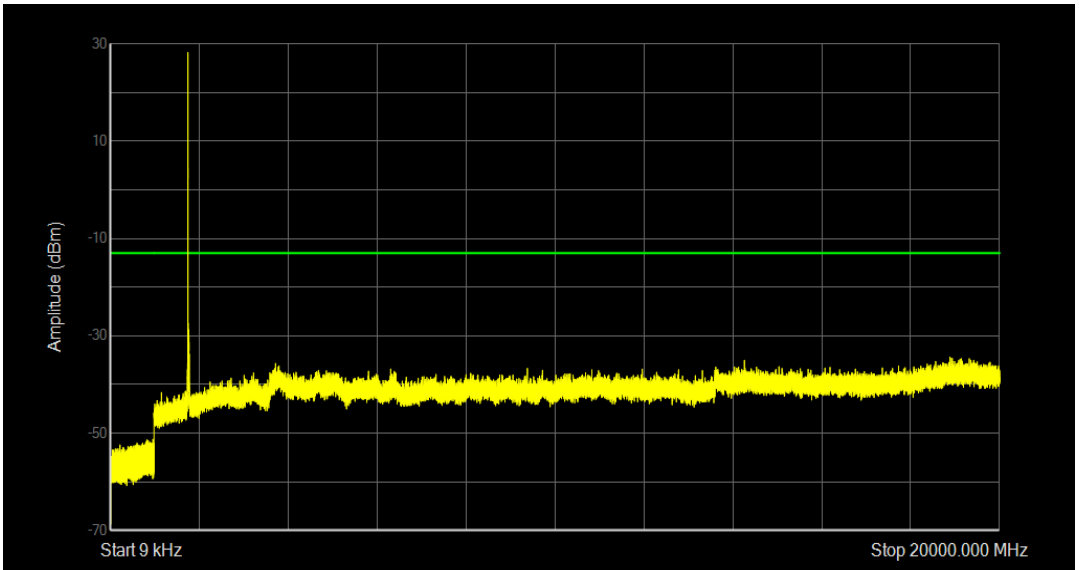
6 Out-of-band emissions for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n66	15	5	342500	25@0	CP_QPSK	19349.73	-34.06	-13	PASS
n66	15	5	342500	1@0	CP_QPSK	18911.30	-34.37	-13	PASS
n66	15	5	342500	1@24	CP_QPSK	19404.83	-33.92	-13	PASS
n66	15	5	355500	25@0	CP_QPSK	19914.98	-34.68	-13	PASS
n66	15	5	355500	1@0	CP_QPSK	19144.53	-34.33	-13	PASS
n66	15	5	355500	1@24	CP_QPSK	19215.30	-34.08	-13	PASS
n66	15	20	344000	106@0	CP_QPSK	19503.15	-33.80	-13	PASS
n66	15	20	344000	1@0	CP_QPSK	18872.83	-34.82	-13	PASS
n66	15	20	344000	1@105	CP_QPSK	19224.33	-34.38	-13	PASS
n66	15	20	354000	106@0	CP_QPSK	19135.98	-34.34	-13	PASS
n66	15	20	354000	1@0	CP_QPSK	18884.70	-34.36	-13	PASS
n66	15	20	354000	1@105	CP_QPSK	19077.55	-34.30	-13	PASS
n66	15	40	346000	216@0	CP_QPSK	18587.83	-34.39	-13	PASS
n66	15	40	346000	1@0	CP_QPSK	19648.50	-34.44	-13	PASS
n66	15	40	346000	1@215	CP_QPSK	19128.85	-33.23	-13	PASS
n66	15	40	352000	216@0	CP_QPSK	18985.40	-34.52	-13	PASS
n66	15	40	352000	1@0	CP_QPSK	18946.45	-34.57	-13	PASS
n66	15	40	352000	1@215	CP_QPSK	19192.03	-34.24	-13	PASS

n66 SCS=15kHz CP_QPSK BW=20MHz Channel=344000 RB=106@0

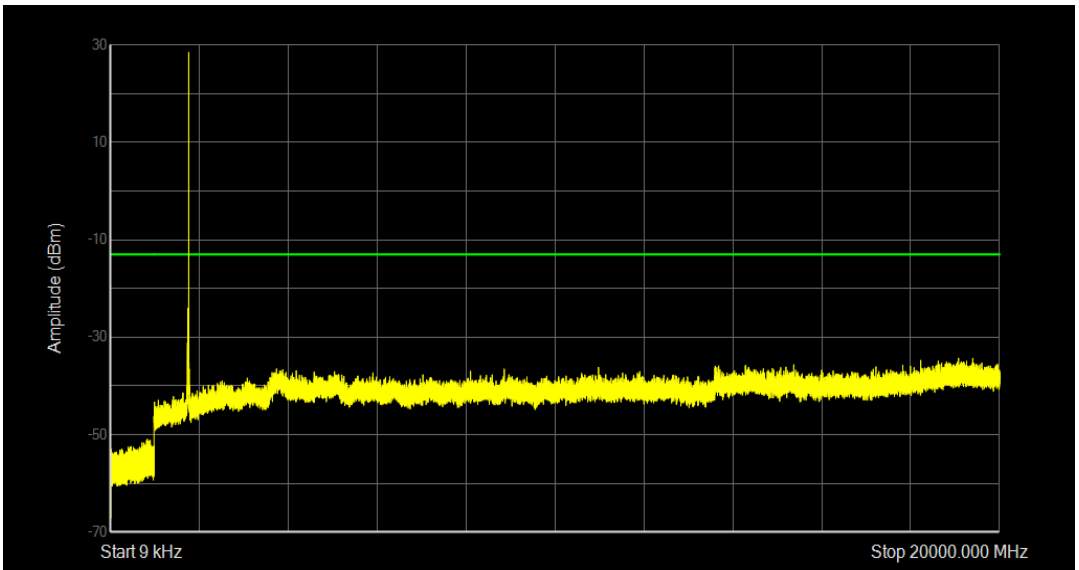


n66 SCS=15kHz CP_QPSK BW=20MHz Channel=354000 RB=1@0



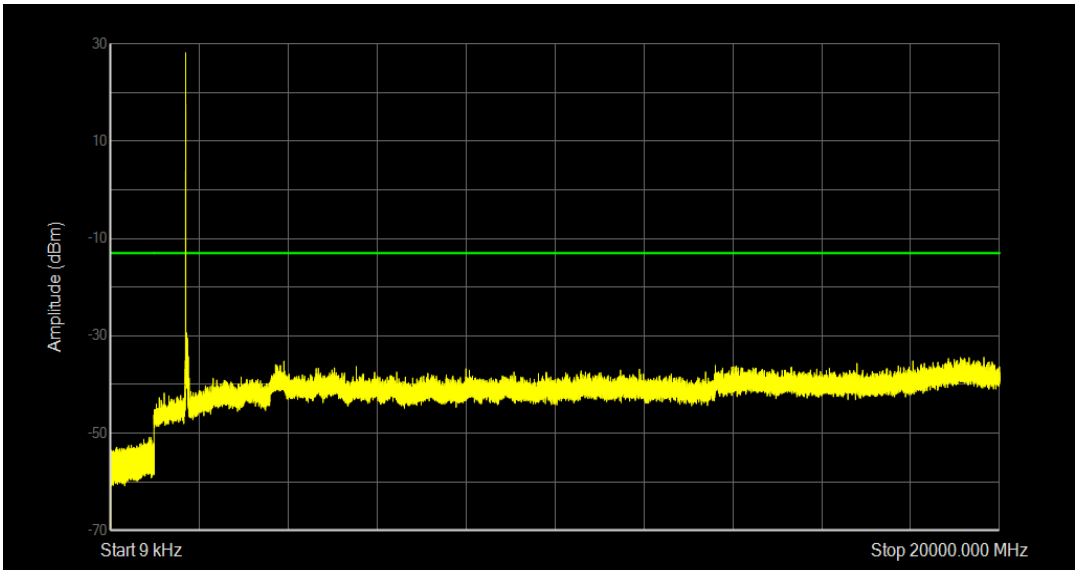
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00904935	-42.76	-13
2	0.15	30	10	0.17313375	-54.21	-13
3	30	1000	100	975.33775	-51.27	-13
4	1000	20000	1000	18884.7	-34.36	-13

n66 SCS=15kHz CP_QPSK BW=20MHz Channel=354000 RB=1@105



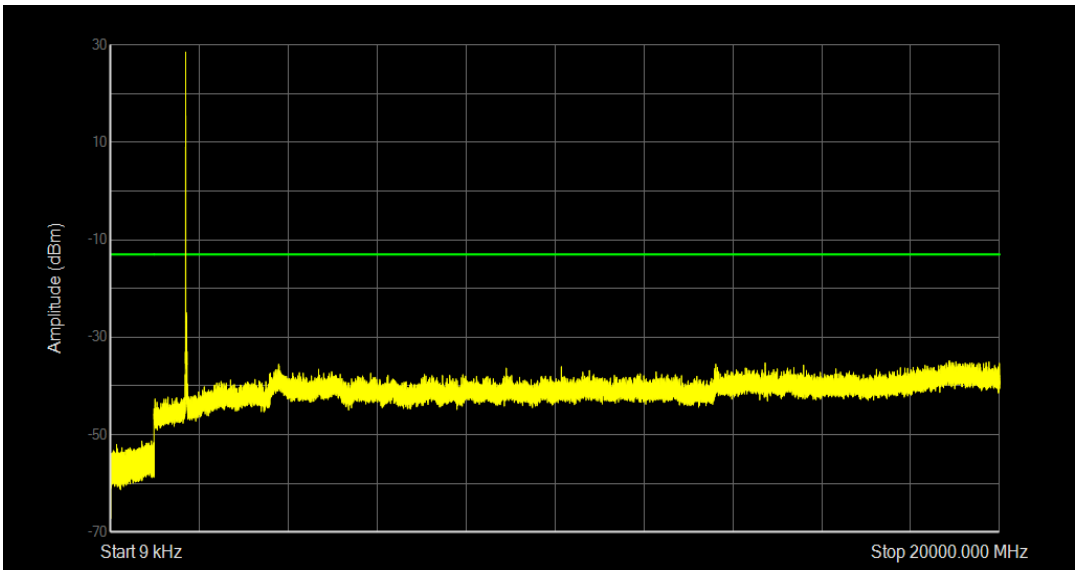
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011753025	-43.69	-13
2	0.15	30	10	0.15373125	-54.3	-13
3	30	1000	100	852.24475	-50.95	-13
4	1000	20000	1000	19077.55	-34.3	-13

n66 SCS=15kHz CP_QPSK BW=40MHz Channel=346000 RB=1@0



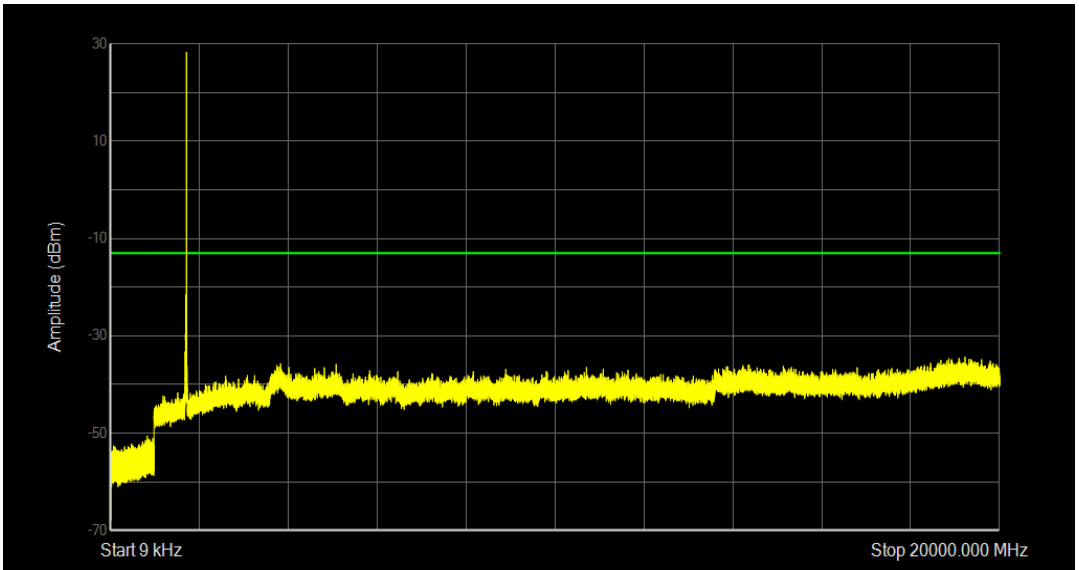
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013205325	-43.65	-13
2	0.15	30	10	0.19552125	-54.25	-13
3	30	1000	100	892.64525	-50.87	-13
4	1000	20000	1000	19648.5	-34.44	-13

n66 SCS=15kHz CP_QPSK BW=20MHz Channel=344000 RB=1@0



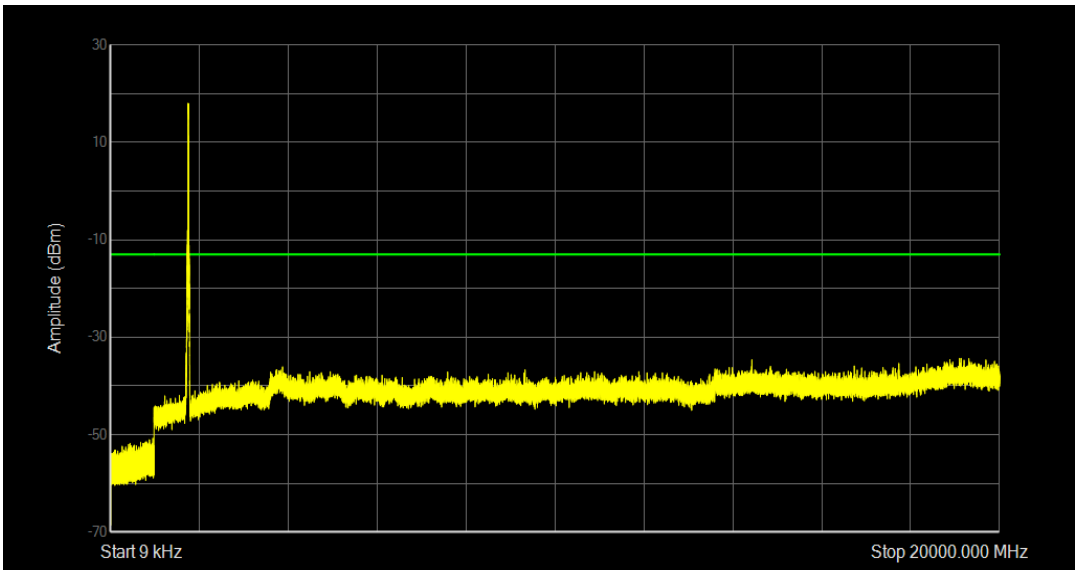
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009969375	-42.59	-13
2	0.15	30	10	0.16194	-53.02	-13
3	30	1000	100	941.04825	-51.28	-13
4	1000	20000	1000	18872.825	-34.82	-13

n66 SCS=15kHz CP_QPSK BW=20MHz Channel=344000 RB=1@105



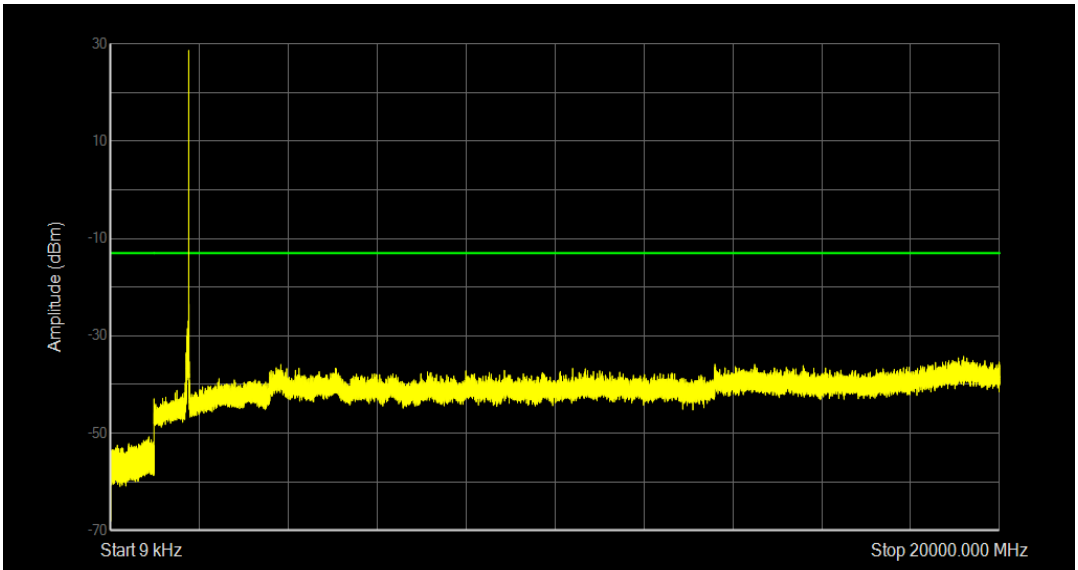
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010244325	-42.49	-13
2	0.15	30	10	0.15671625	-53.69	-13
3	30	1000	100	845.091	-50.59	-13
4	1000	20000	1000	19224.325	-34.38	-13

n66 SCS=15kHz CP_QPSK BW=20MHz Channel=354000 RB=106@0



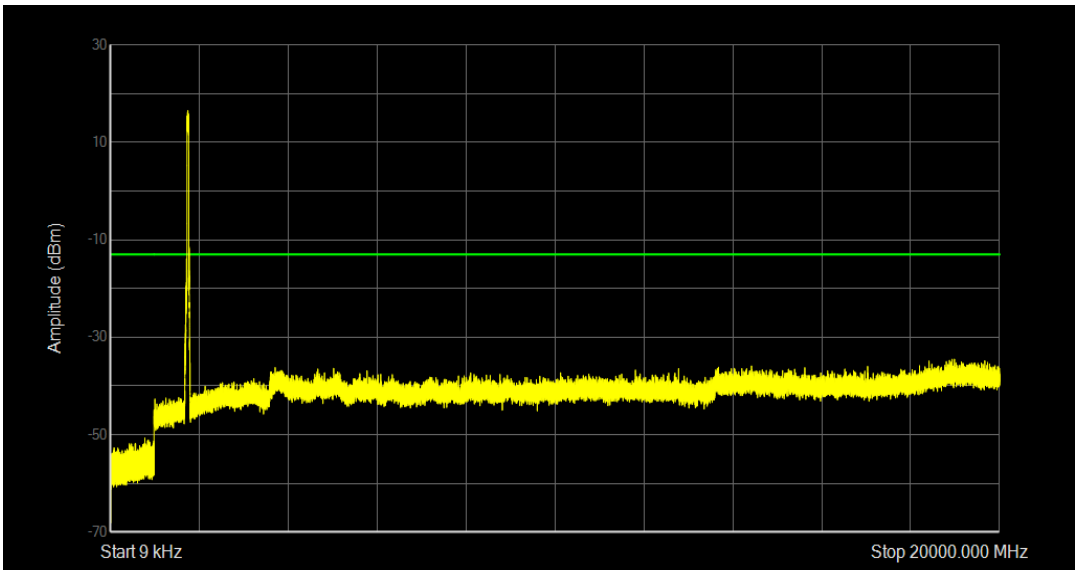
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012542625	-42.1	-13
2	0.15	30	10	0.1694025	-52.98	-13
3	30	1000	100	974.3435	-50.74	-13
4	1000	20000	1000	19135.975	-34.34	-13

n66 SCS=15kHz CP_QPSK BW=40MHz Channel=352000 RB=1@215



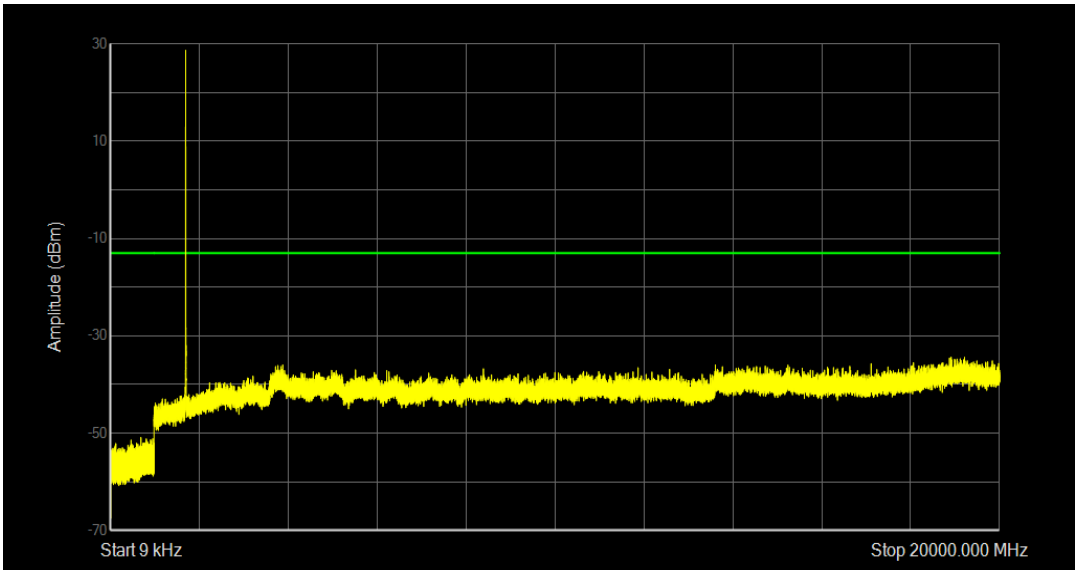
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0098742	-42.34	-13
2	0.15	30	10	0.15	-52.82	-13
3	30	1000	100	884.49725	-50.75	-13
4	1000	20000	1000	19192.025	-34.24	-13

n66 SCS=15kHz CP_QPSK BW=40MHz Channel=352000 RB=216@0



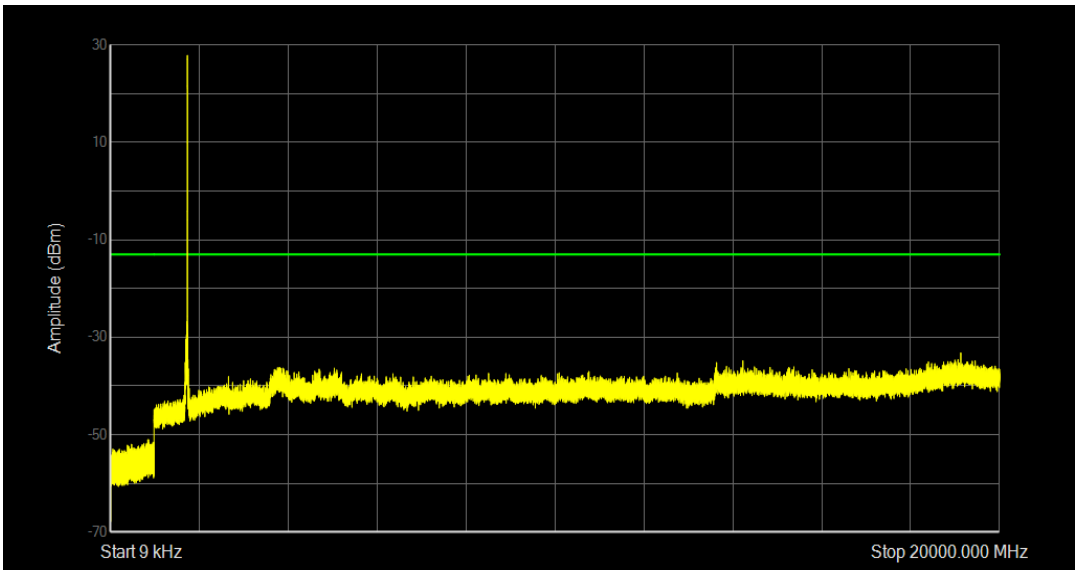
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.015137025	-43.5	-13
2	0.15	30	10	0.158955	-53.61	-13
3	30	1000	100	793.39	-50.72	-13
4	1000	20000	1000	18985.4	-34.52	-13

n66 SCS=15kHz CP_QPSK BW=5MHz Channel=342500 RB=1@0



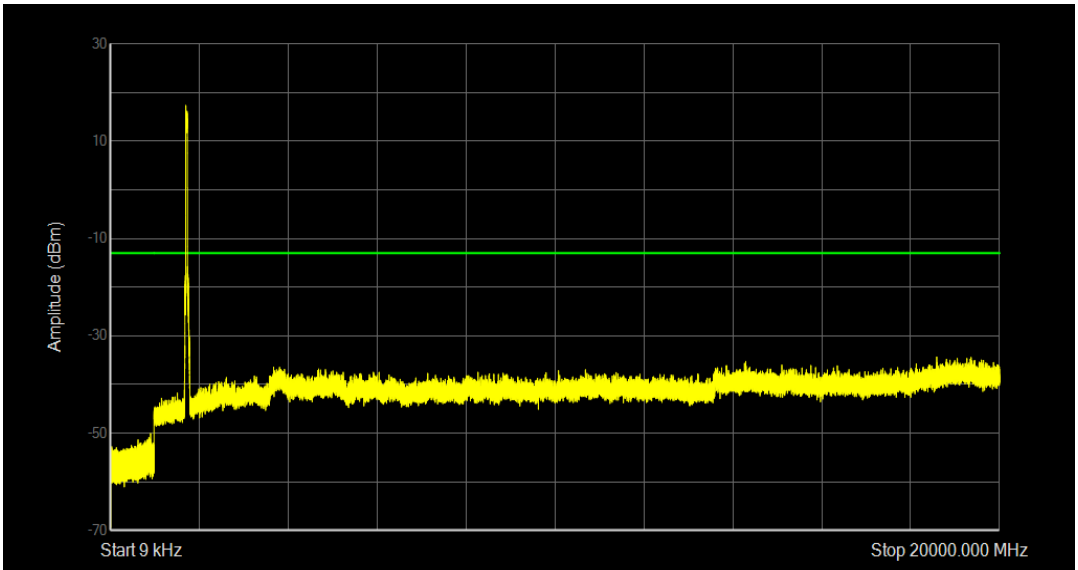
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013614225	-42.6	-13
2	0.15	30	10	0.15820875	-52.99	-13
3	30	1000	100	703.859	-50.91	-13
4	1000	20000	1000	18911.3	-34.37	-13

n66 SCS=15kHz CP_QPSK BW=40MHz Channel=346000 RB=1@215



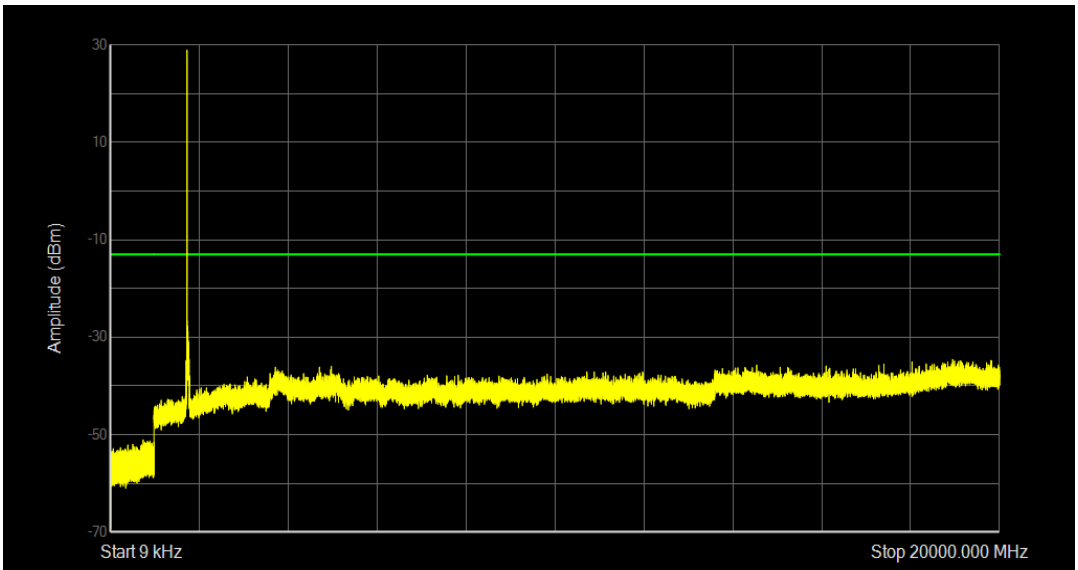
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010857675	-43.71	-13
2	0.15	30	10	0.17761125	-53.45	-13
3	30	1000	100	861.60525	-51.04	-13
4	1000	20000	1000	19128.85	-33.23	-13

n66 SCS=15kHz CP_QPSK BW=40MHz Channel=346000 RB=216@0



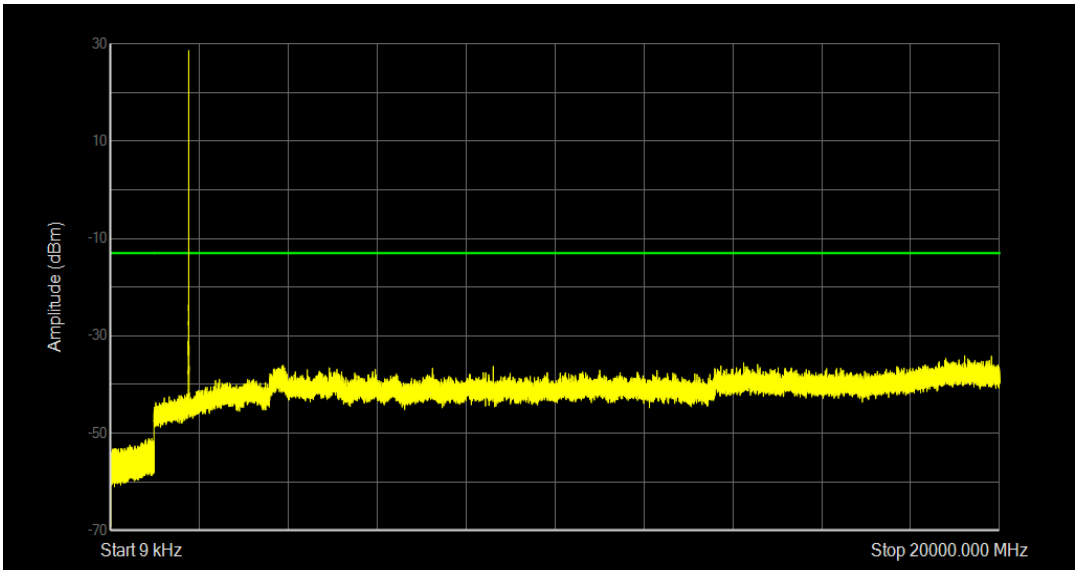
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-43.58	-13
2	0.15	30	10	0.170895	-53.29	-13
3	30	1000	100	922.13325	-50.08	-13
4	1000	20000	1000	18587.825	-34.39	-13

n66 SCS=15kHz CP_QPSK BW=40MHz Channel=352000 RB=1@0



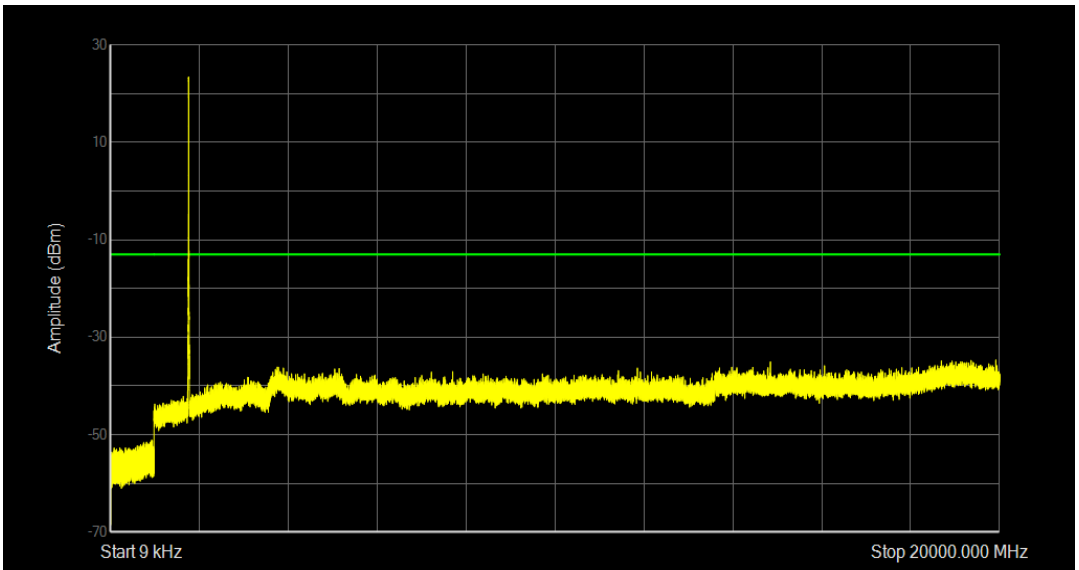
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00996585	-42.53	-13
2	0.15	30	10	0.16194	-53.67	-13
3	30	1000	100	754.396	-51.09	-13
4	1000	20000	1000	18946.45	-34.57	-13

n66 SCS=15kHz CP_QPSK BW=5MHz Channel=355500 RB=1@24



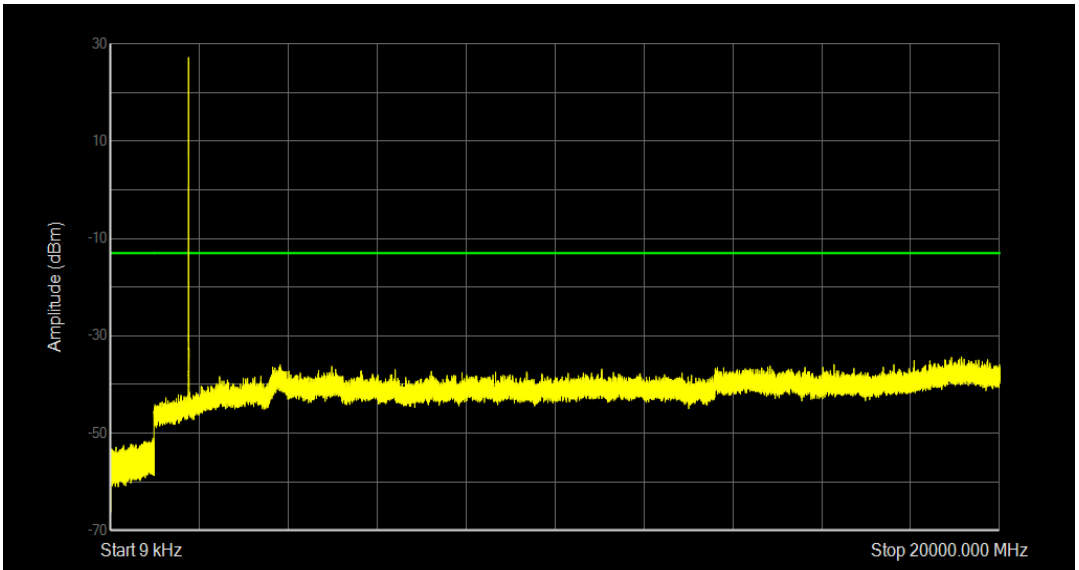
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00938775	-43.05	-13
2	0.15	30	10	0.15	-54.28	-13
3	30	1000	100	882.75125	-51.09	-13
4	1000	20000	1000	19215.3	-34.08	-13

n66 SCS=15kHz CP_QPSK BW=5MHz Channel=355500 RB=25@0



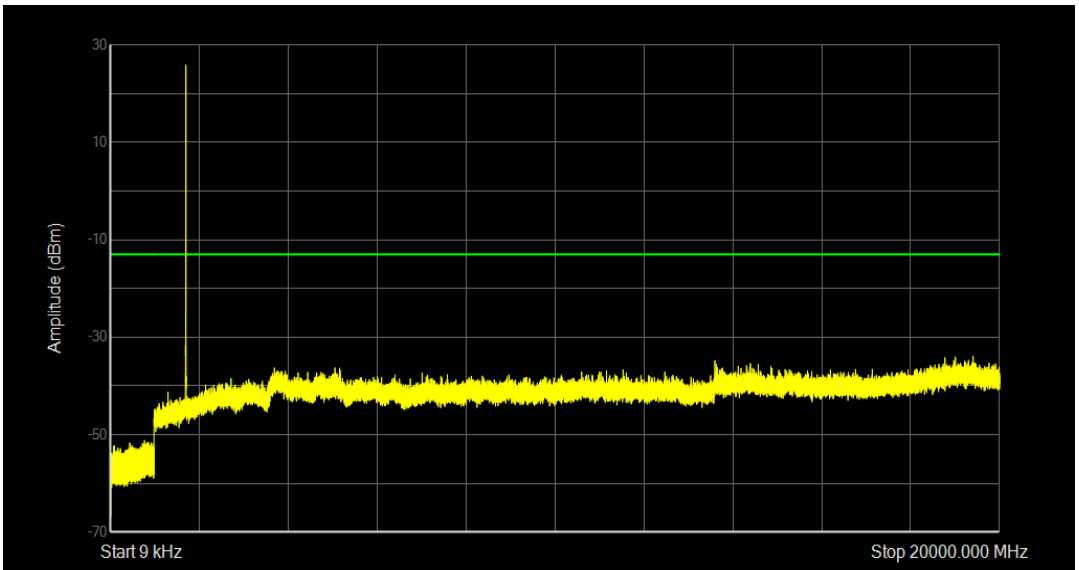
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014009025	-42.8	-13
2	0.15	30	10	0.15671625	-53.7	-13
3	30	1000	100	942.6245	-51.18	-13
4	1000	20000	1000	19914.975	-34.68	-13

n66 SCS=15kHz CP_QPSK BW=5MHz Channel=355500 RB=1@0



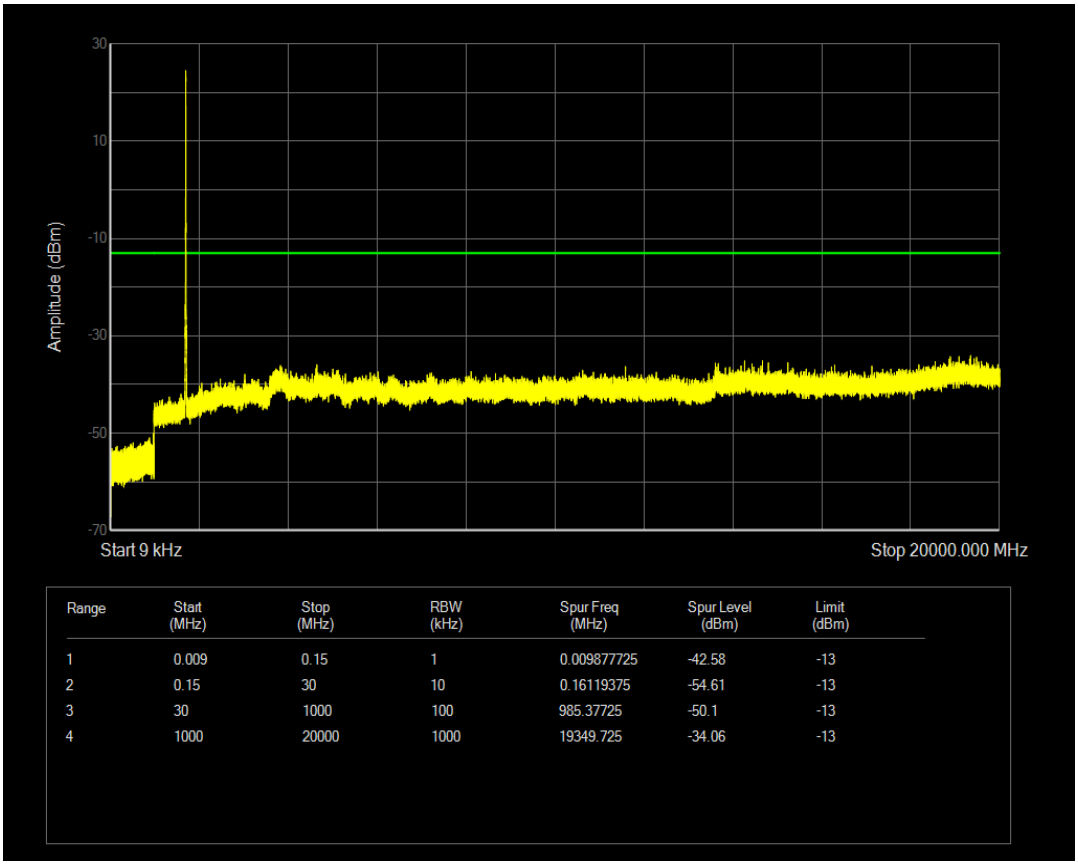
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0094935	-42.65	-13
2	0.15	30	10	0.15597	-53.44	-13
3	30	1000	100	975.87125	-51.05	-13
4	1000	20000	1000	19144.525	-34.33	-13

n66 SCS=15kHz CP_QPSK BW=5MHz Channel=342500 RB=1@24



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010723725	-43.11	-13
2	0.15	30	10	0.15223875	-53.41	-13
3	30	1000	100	783.22925	-51.22	-13
4	1000	20000	1000	19404.825	-33.92	-13

n66 SCS=15kHz CP_QPSK BW=5MHz Channel=342500 RB=25@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009877725	-42.58	-13
2	0.15	30	10	0.16119375	-54.61	-13
3	30	1000	100	985.37725	-50.1	-13
4	1000	20000	1000	19349.725	-34.06	-13