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=40MHz Channel=349000 RB=216@0

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

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

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

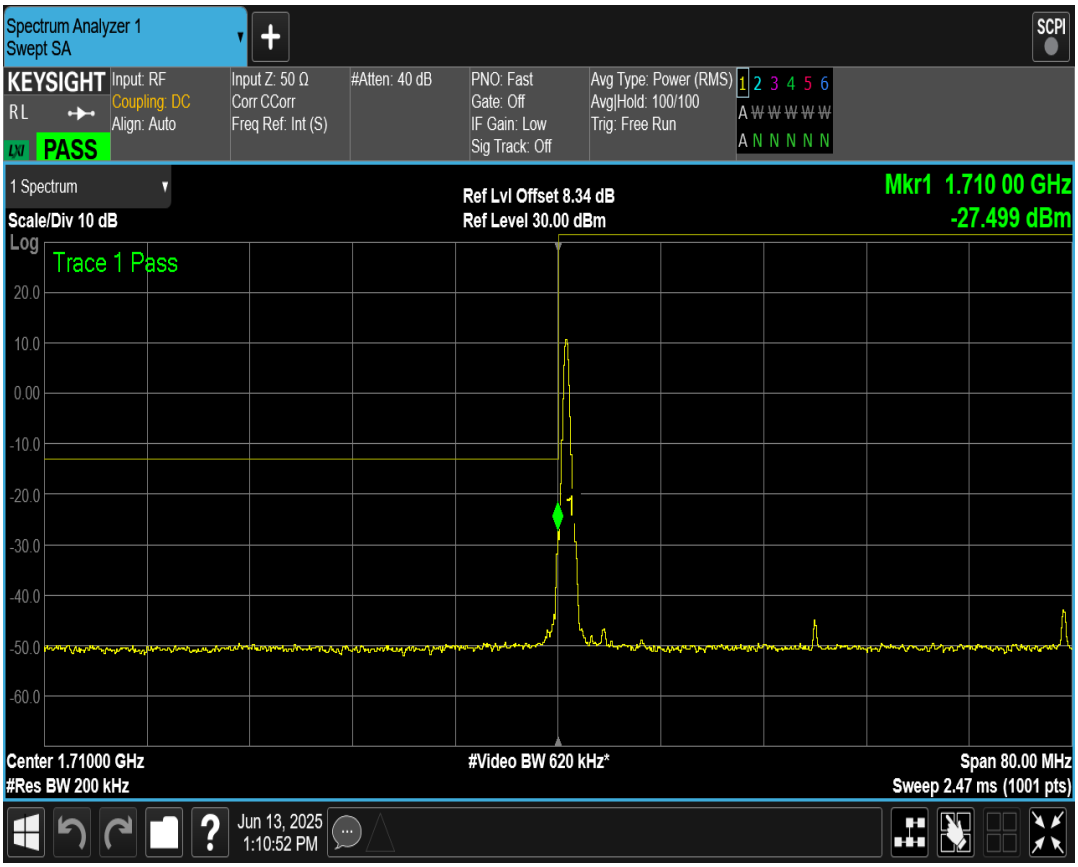
n66 SCS=15kHz DFT_QPSK BW=15MHz Channel=349000 RB=75@0

KEYSIGHT Keysight RF Application (3.5.134.12281)
LTE1
CONNECTED
Band B5
BW 10 MHz
ARFCN/Freq D: 2600 889.00 MHz U: 20600 844.00 MHz
Cell Power -30.00 dBm/BW
CLPC All Up Bits
NR1
CONNECTED
Band N66
DL BW 15 MHz
Low
Mid
High
ARFCN/Freq D: 429000 2145.00 MHz U: 349000 1745.00 MHz
Cell Power -43.18 dBm/BW
CLPC All Up Bits
Test Case
Selected Case
NSA
LTE1
LTE2
NR1
NR2
Cell Quick Config
Measurement
BLER/Tput
UE Info.
Msg. Summary
NR UE Power: 21 dBm DL BLER: 0 %
Duplex: FDD
Port: RFI01
Freq: 1745 MHz
EIP: 24 dBm
Measuring
Acquiring
Avg: 6/6
Occupied Bandwidth
Amplitude (dBm)
7.31
0.00
-7.31
-14.63
-21.94
-29.25
-36.57
-43.88
-51.19
-58.50
1.731
1.734
1.737
1.740
1.743
1.746
1.749
1.752
1.755
1.758
Frequency (GHz)
Pass/Fail Pass
OBW 13.985 MHz
Tx Freq Err 0.00 Hz
X dB BW 13.62 MHz
Total Power 20.67 dBm
Meas Cell NR1
Meas Mode Basic
Meas Select
Meas Channel PUSCH
Average Count 6
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 75
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 OFF
MAC Padding DL On 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
BSE:CONFig:NR5G[:SELected]:OBAND
Copy
Current Log
2025-06-12 11:37:35

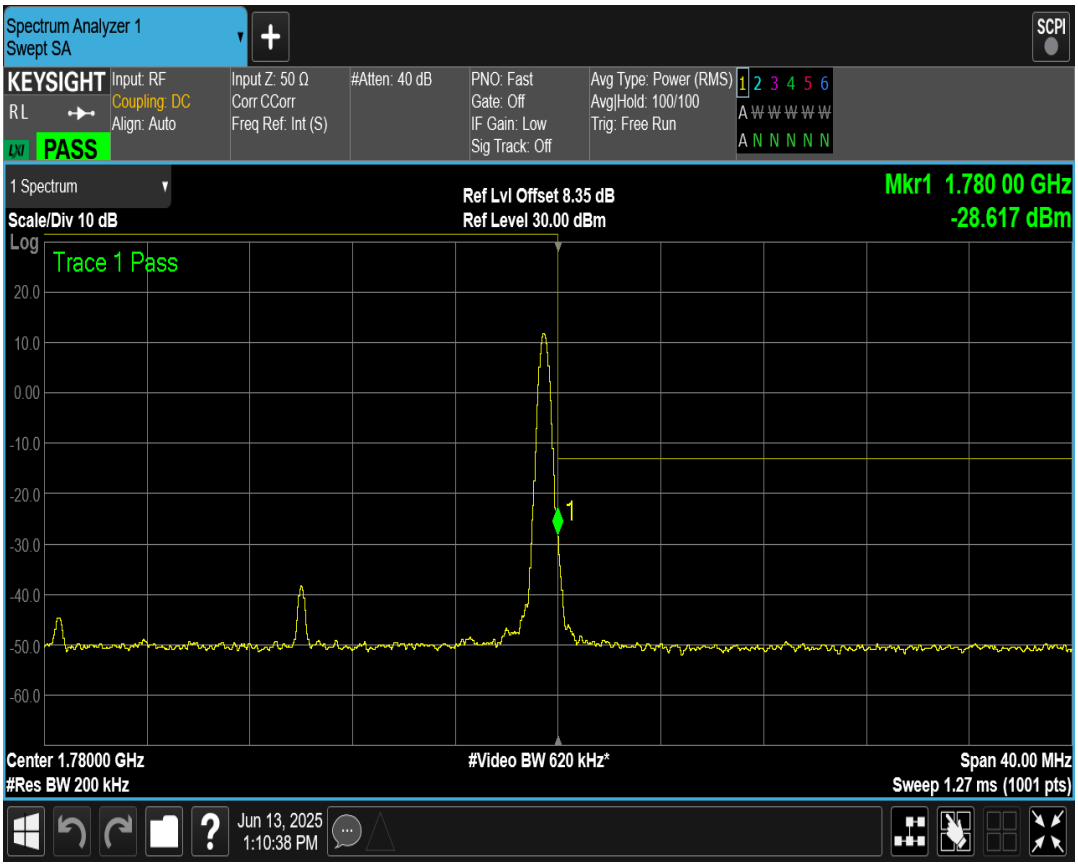
5 Band edge for EN-DC

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	-43.52	-13	PASS
n66	15	5	342500	1@0	CP_QPSK	1710.00	-14.01	-13	PASS
n66	15	5	342500	1@24	CP_QPSK	1710.00	-48.61	-13	PASS
n66	15	5	355500	25@0	CP_QPSK	1780.21	-41.24	-13	PASS
n66	15	5	355500	1@0	CP_QPSK	1780.26	-48.90	-13	PASS
n66	15	5	355500	1@24	CP_QPSK	1780.00	-17.46	-13	PASS
n66	15	20	344000	106@0	CP_QPSK	1708.08	-43.65	-13	PASS
n66	15	20	344000	1@0	CP_QPSK	1710.00	-36.81	-13	PASS
n66	15	20	344000	1@105	CP_QPSK	1700.20	-48.66	-13	PASS
n66	15	20	354000	106@0	CP_QPSK	1780.00	-40.81	-13	PASS
n66	15	20	354000	1@0	CP_QPSK	1789.84	-48.14	-13	PASS
n66	15	20	354000	1@105	CP_QPSK	1780.00	-28.61	-13	PASS
n66	15	40	346000	216@0	CP_QPSK	1710.00	-38.02	-13	PASS
n66	15	40	346000	1@0	CP_QPSK	1710.00	-27.49	-13	PASS
n66	15	40	346000	1@215	CP_QPSK	1702.56	-49.21	-13	PASS
n66	15	40	352000	216@0	CP_QPSK	1780.00	-33.80	-13	PASS
n66	15	40	352000	1@0	CP_QPSK	1818.00	-49.61	-13	PASS
n66	15	40	352000	1@215	CP_QPSK	1780.00	-31.38	-13	PASS

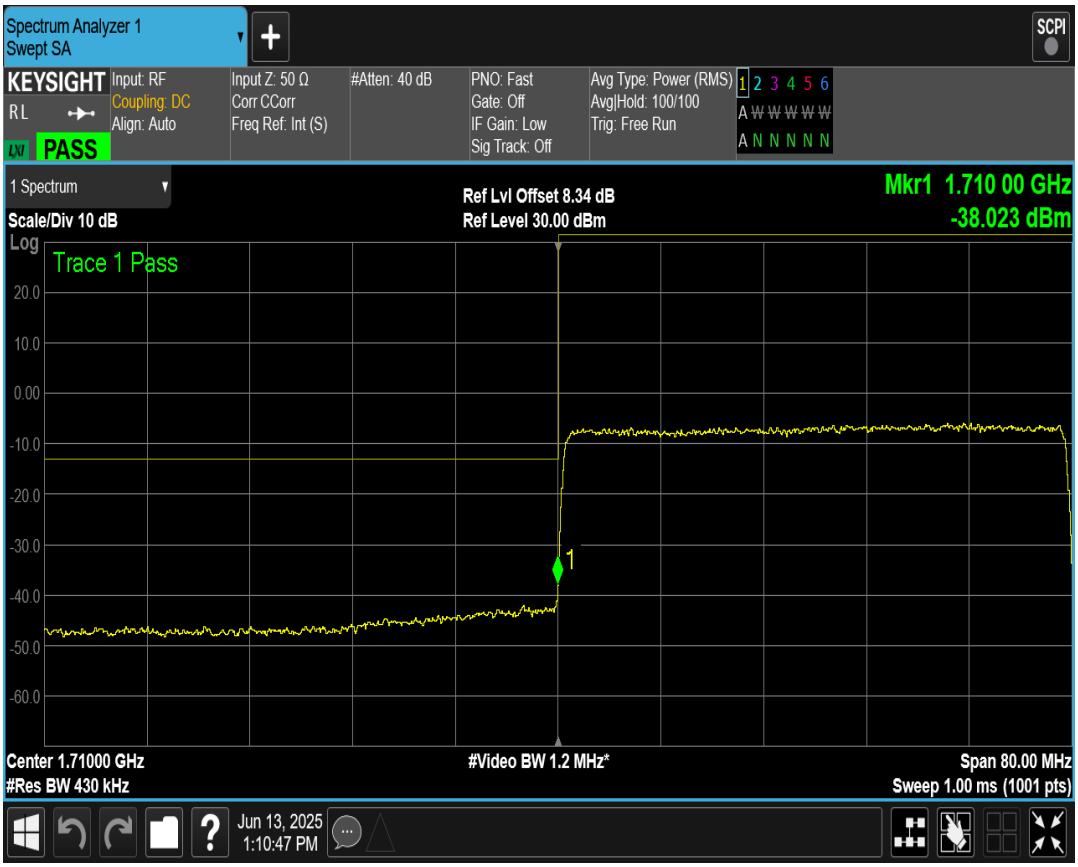
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=346000 RB=1@0



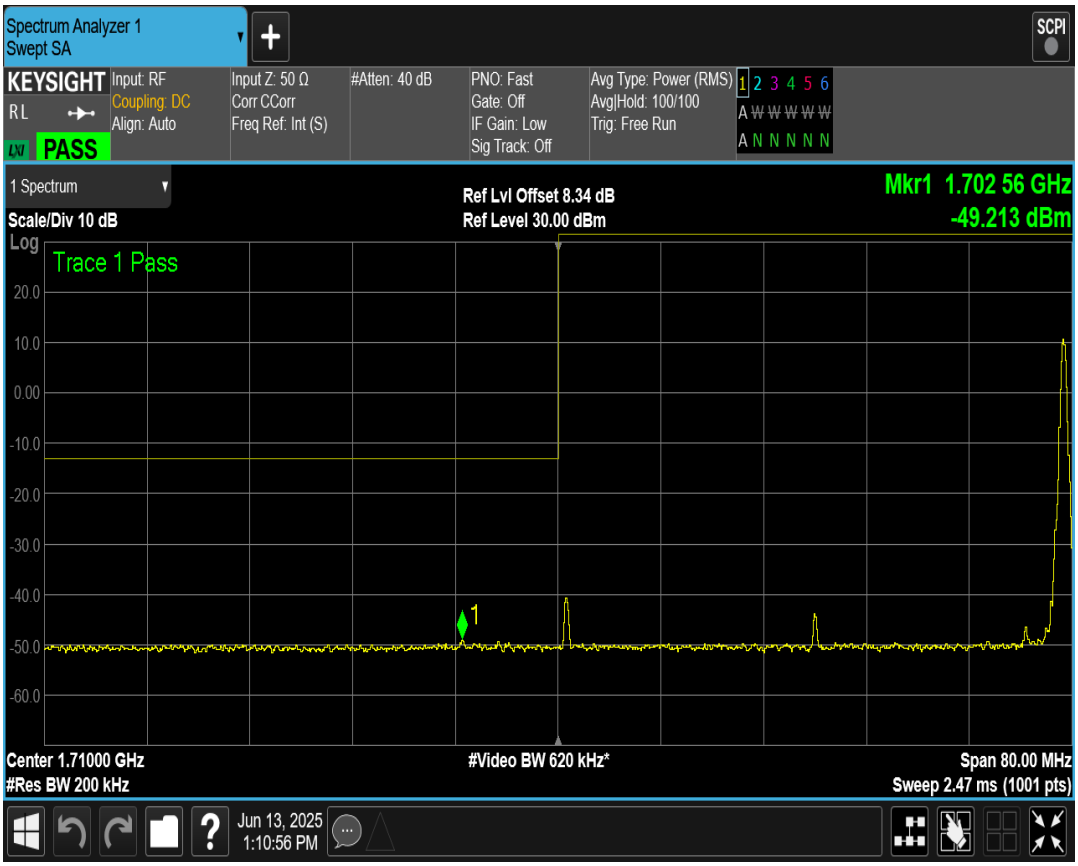
n66 SCS=15kHz CP_QPSK BW=20MHz Channel=354000 RB=1@105



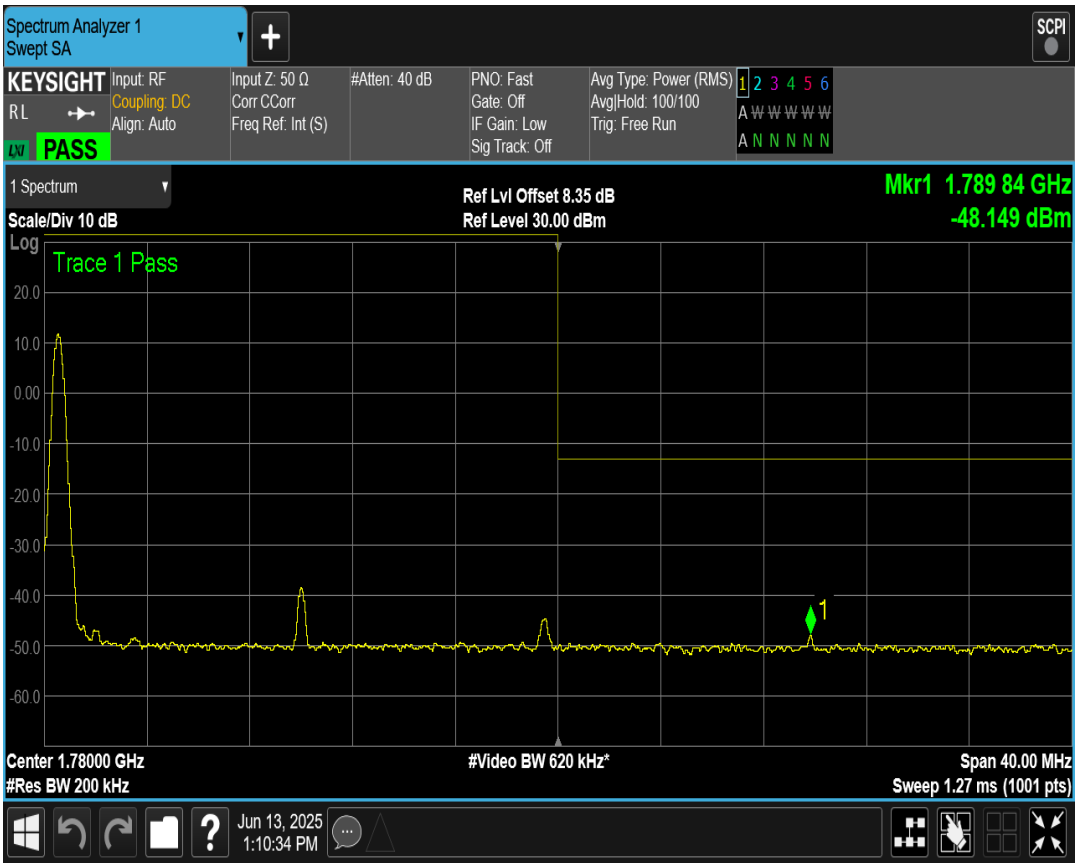
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=346000 RB=216@0



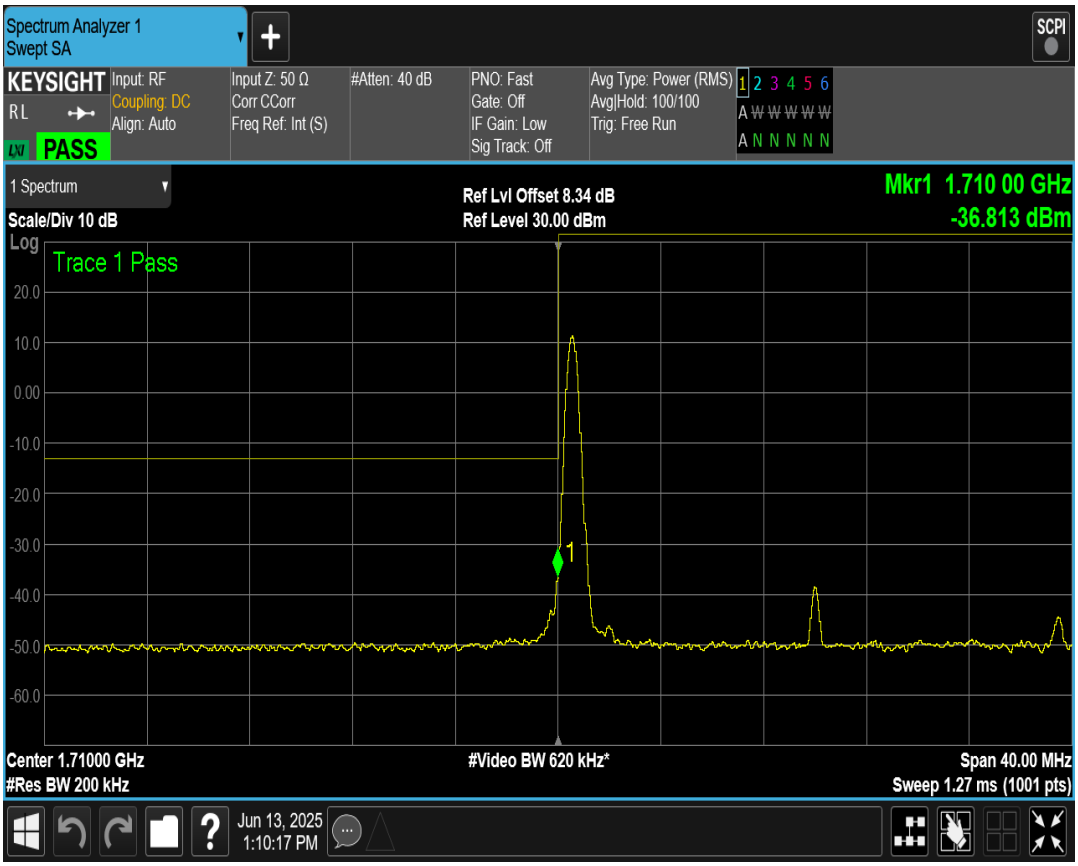
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=346000 RB=1@215



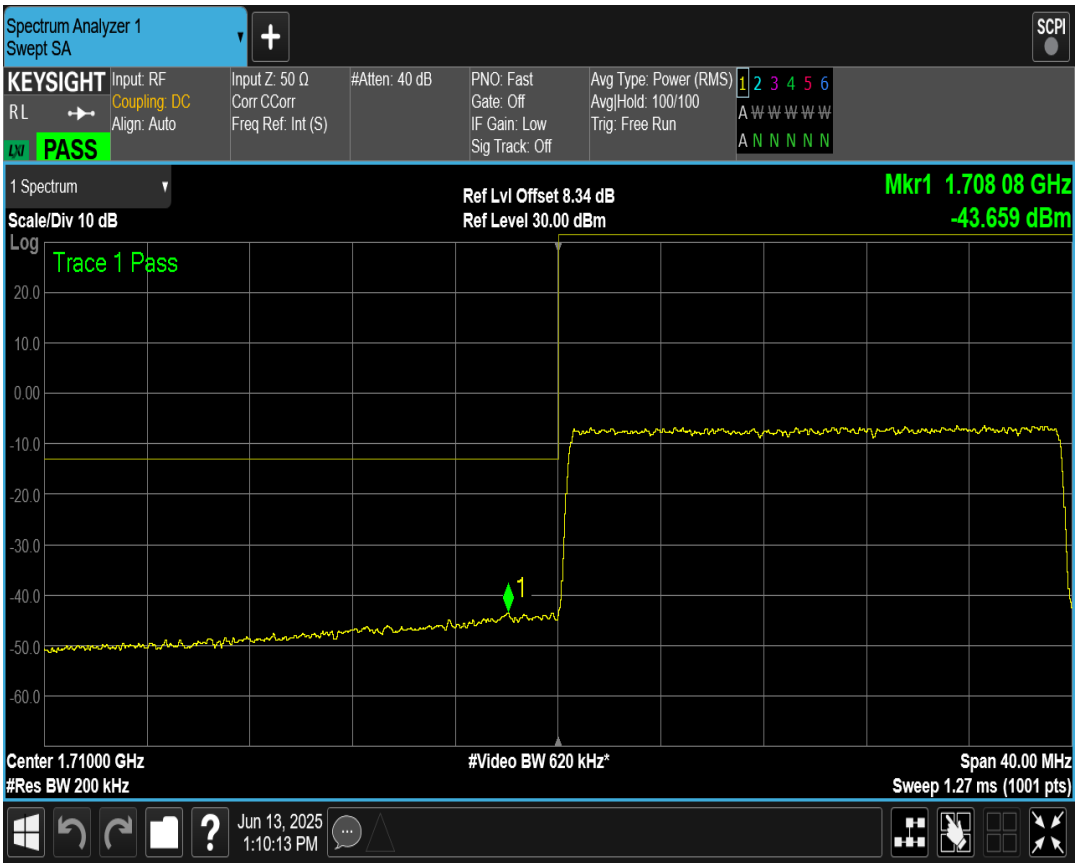
n66 SCS=15kHz CP_QPSK BW=20MHz Channel=354000 RB=1@0



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

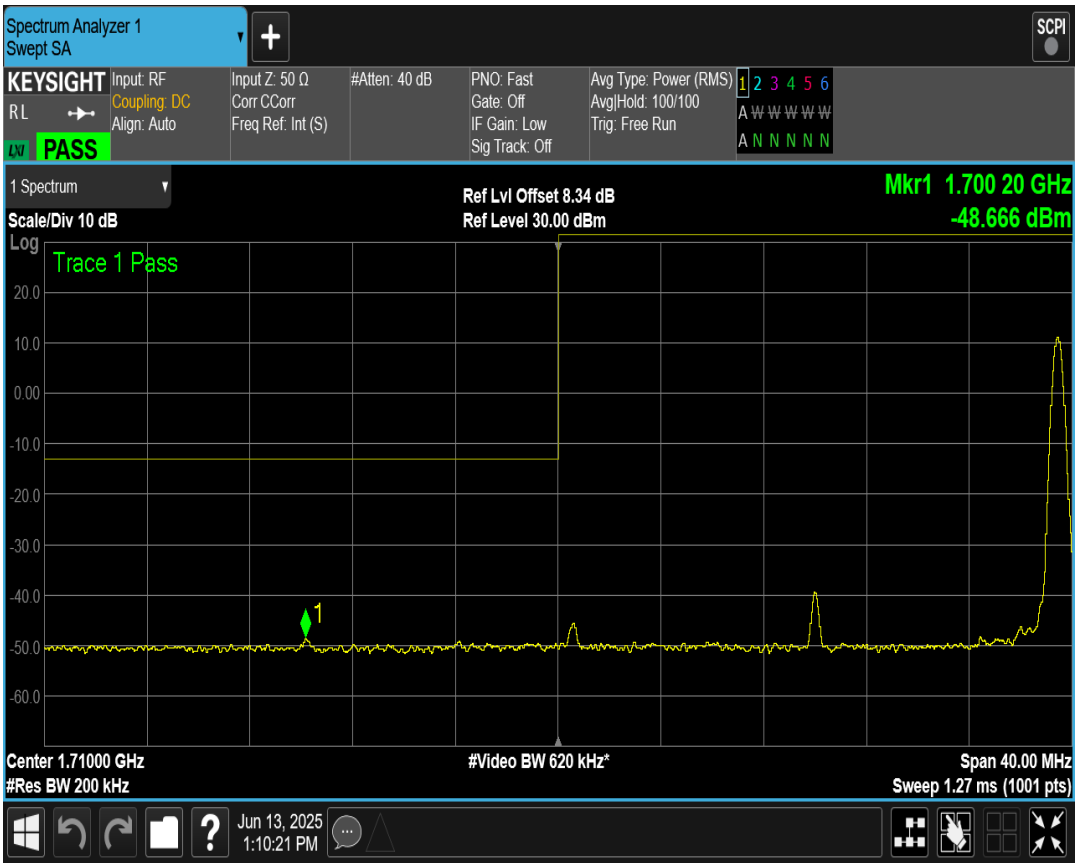


n66 SCS=15kHz CP_QPSK BW=20MHz Channel=344000 RB=106@0

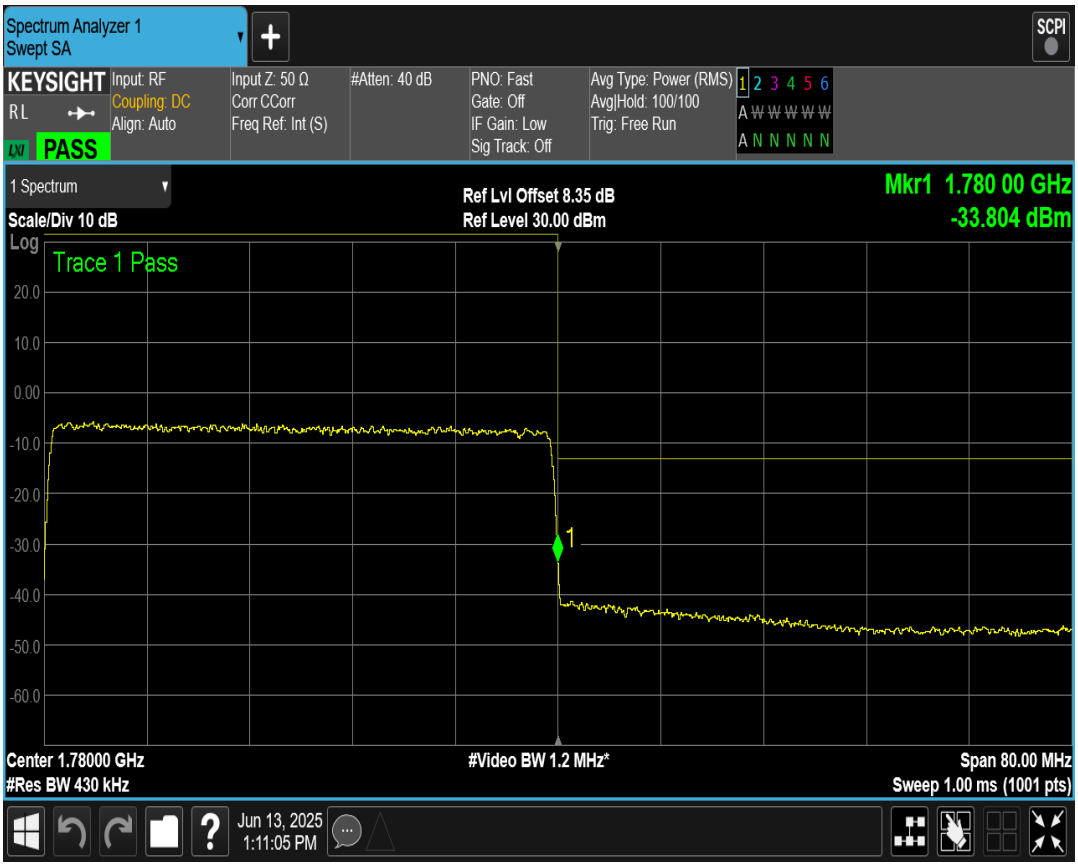


n66 SCS=15kHz CP_QPSK BW=20MHz Channel=354000 RB=106@0

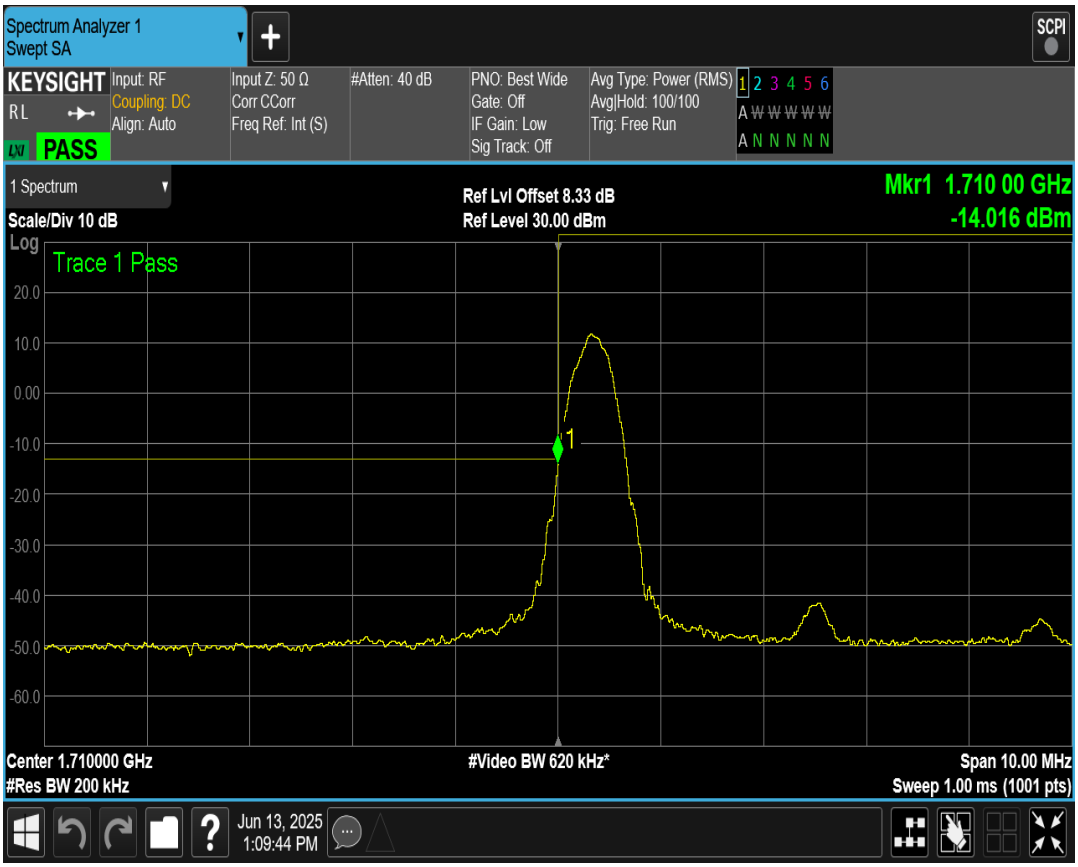
n66 SCS=15kHz CP_QPSK BW=20MHz Channel=344000 RB=1@105



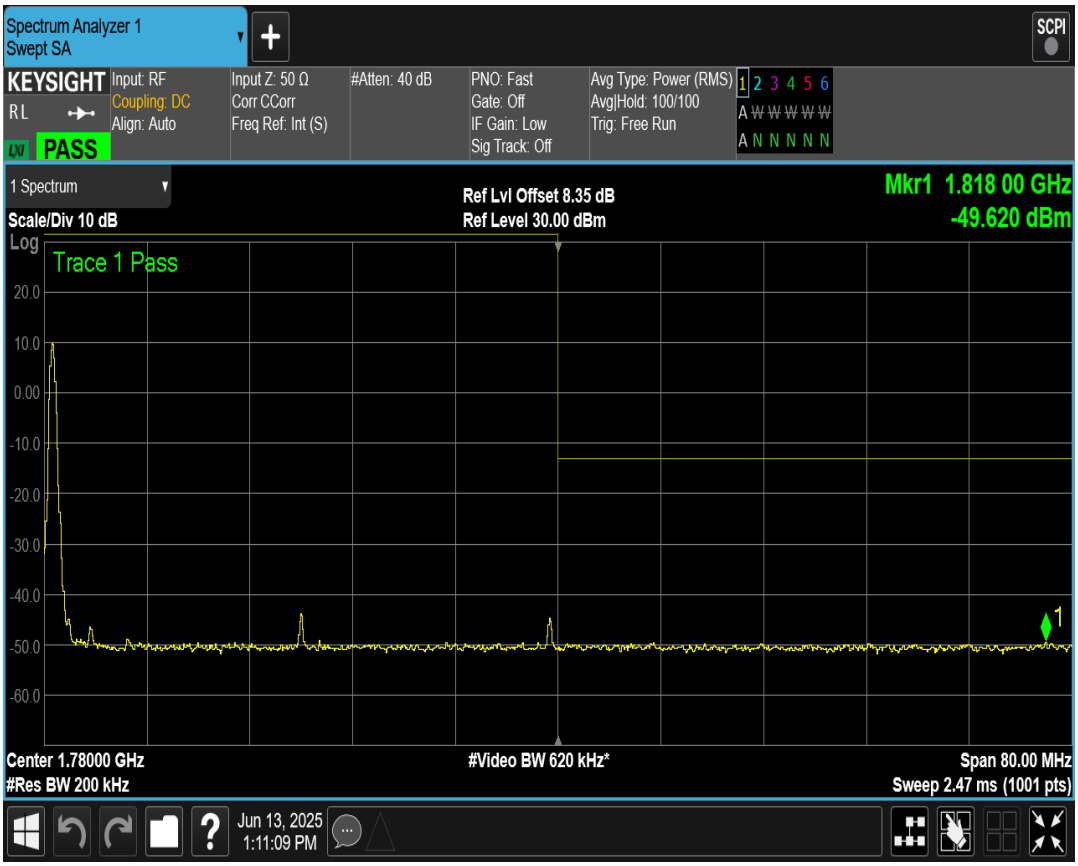
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=352000 RB=216@0



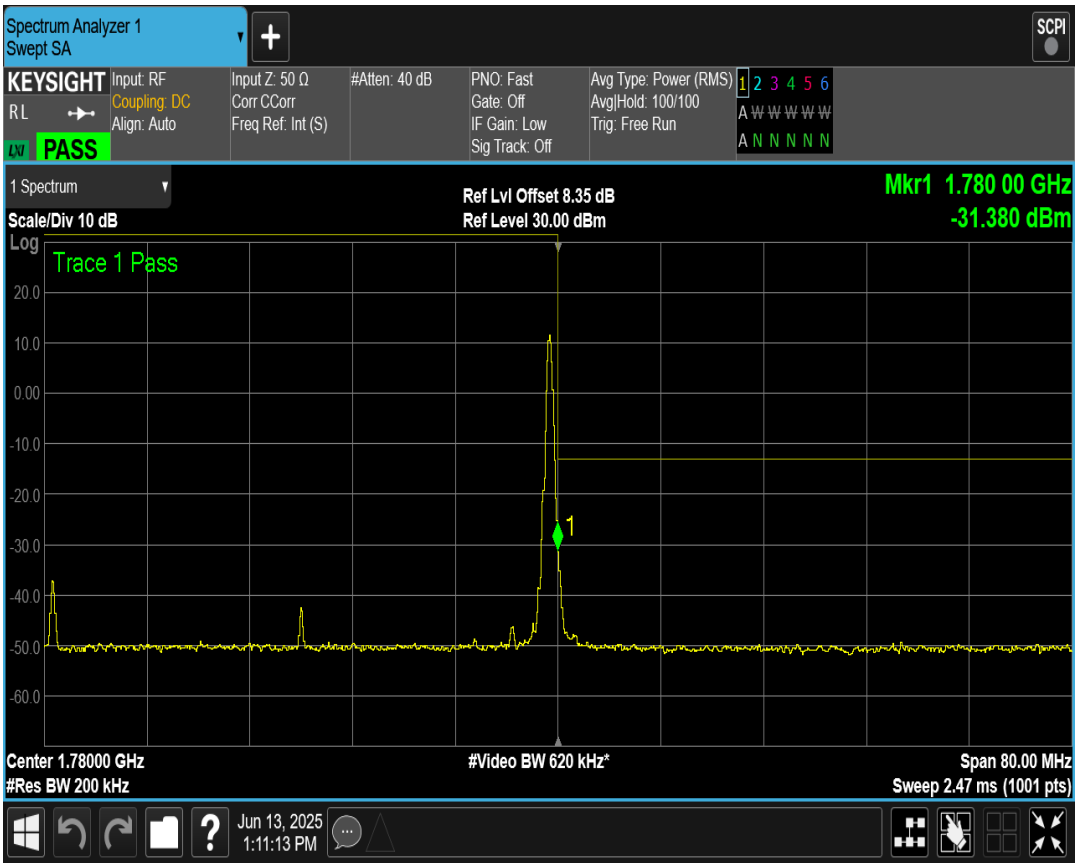
n66 SCS=15kHz CP_QPSK BW=5MHz Channel=342500 RB=1@0



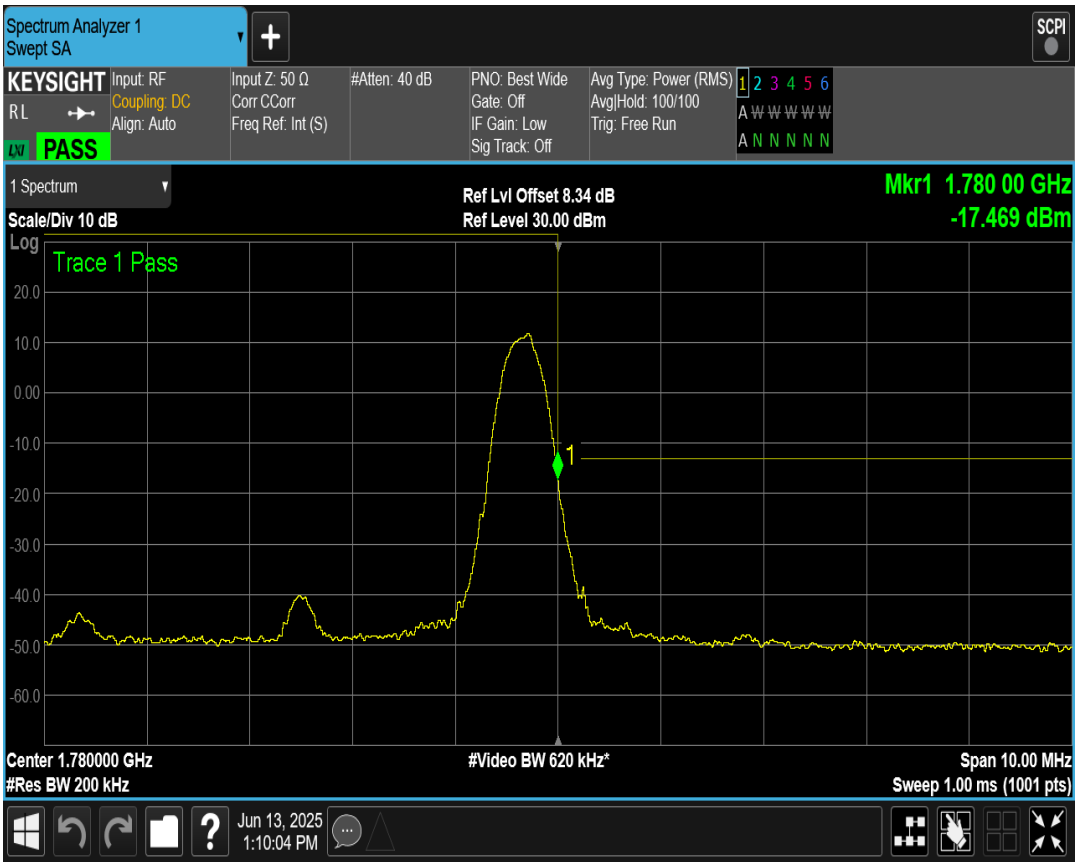
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=352000 RB=1@0



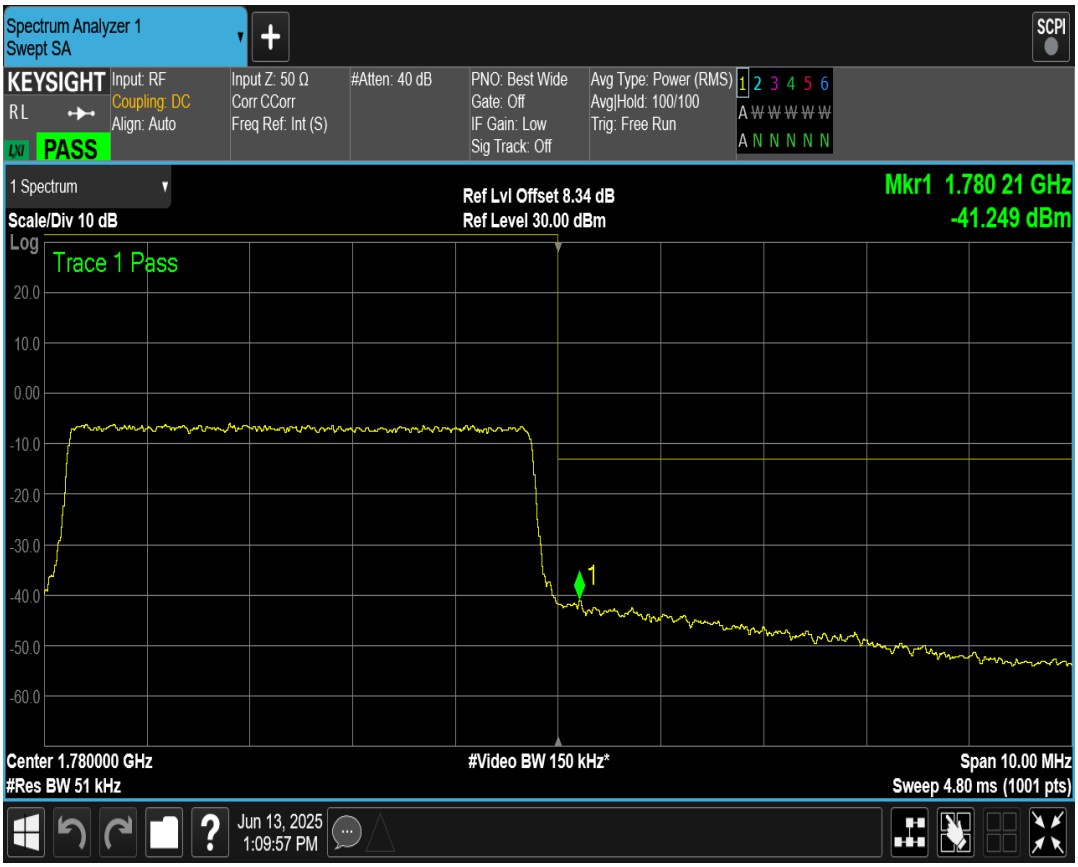
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=352000 RB=1@215



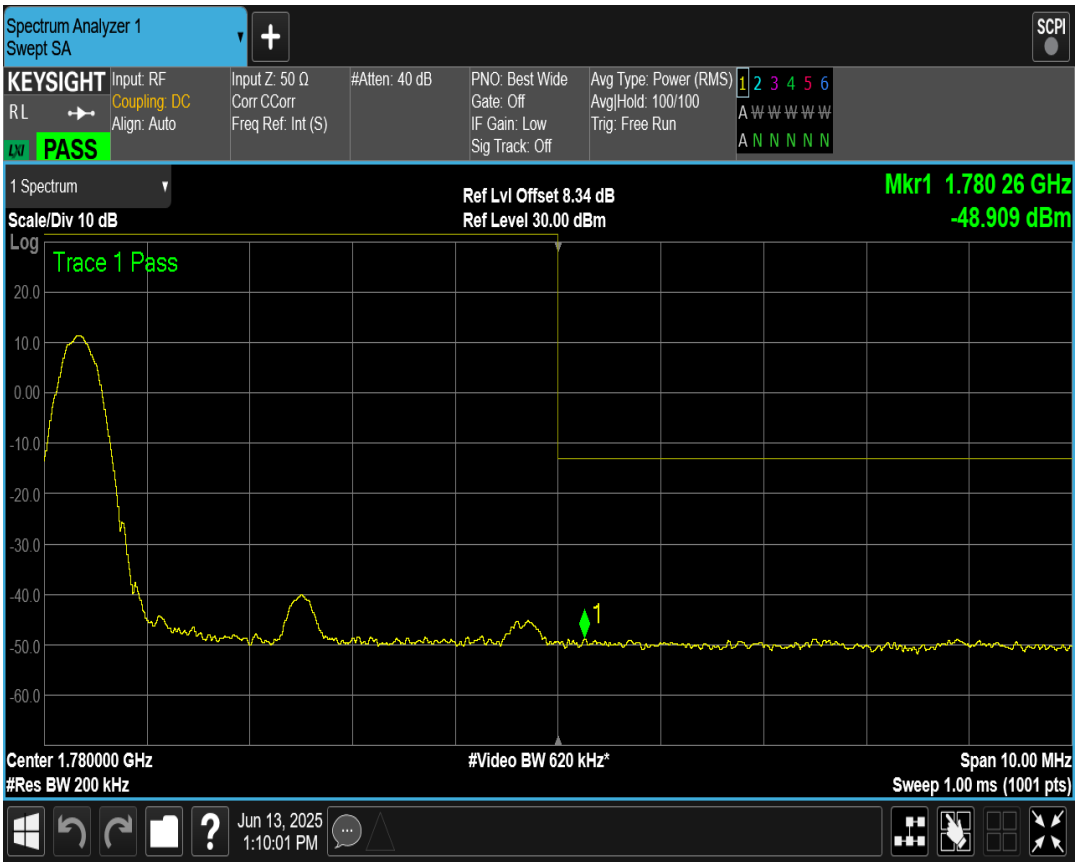
n66 SCS=15kHz CP_QPSK BW=5MHz Channel=355500 RB=1@24



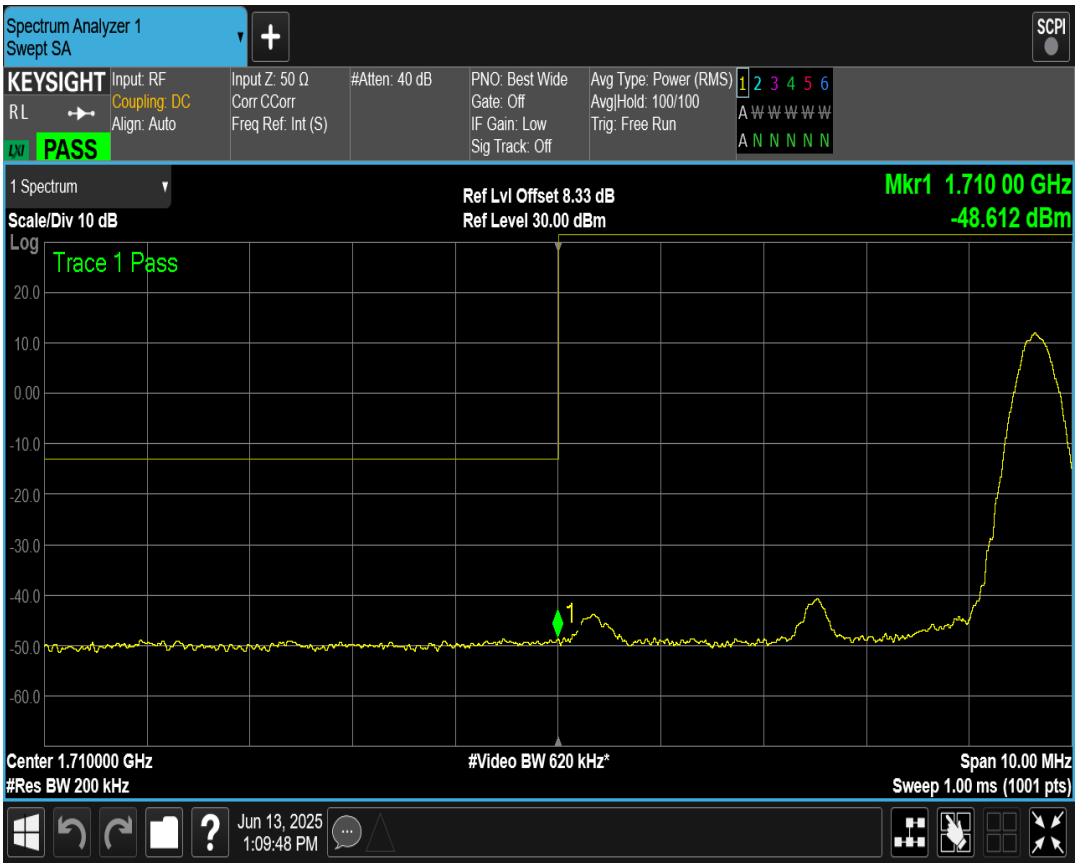
n66 SCS=15kHz CP_QPSK BW=5MHz Channel=355500 RB=25@0



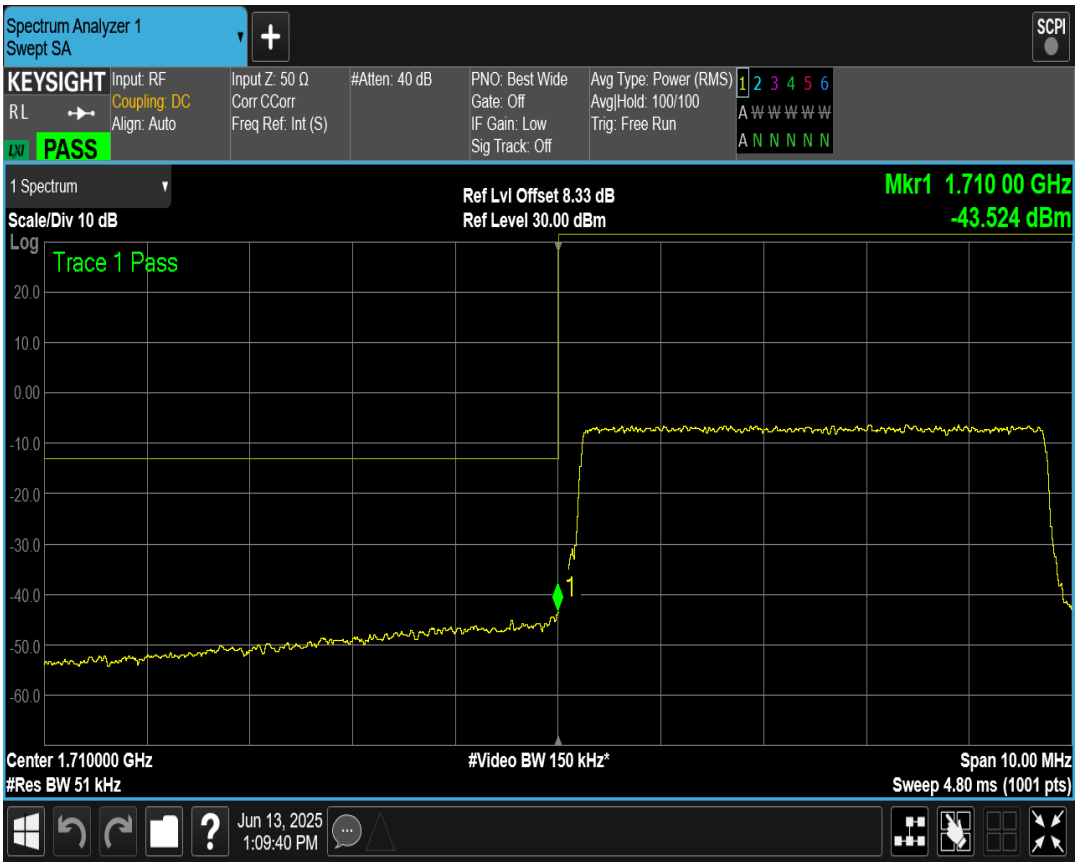
n66 SCS=15kHz CP_QPSK BW=5MHz Channel=355500 RB=1@0



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



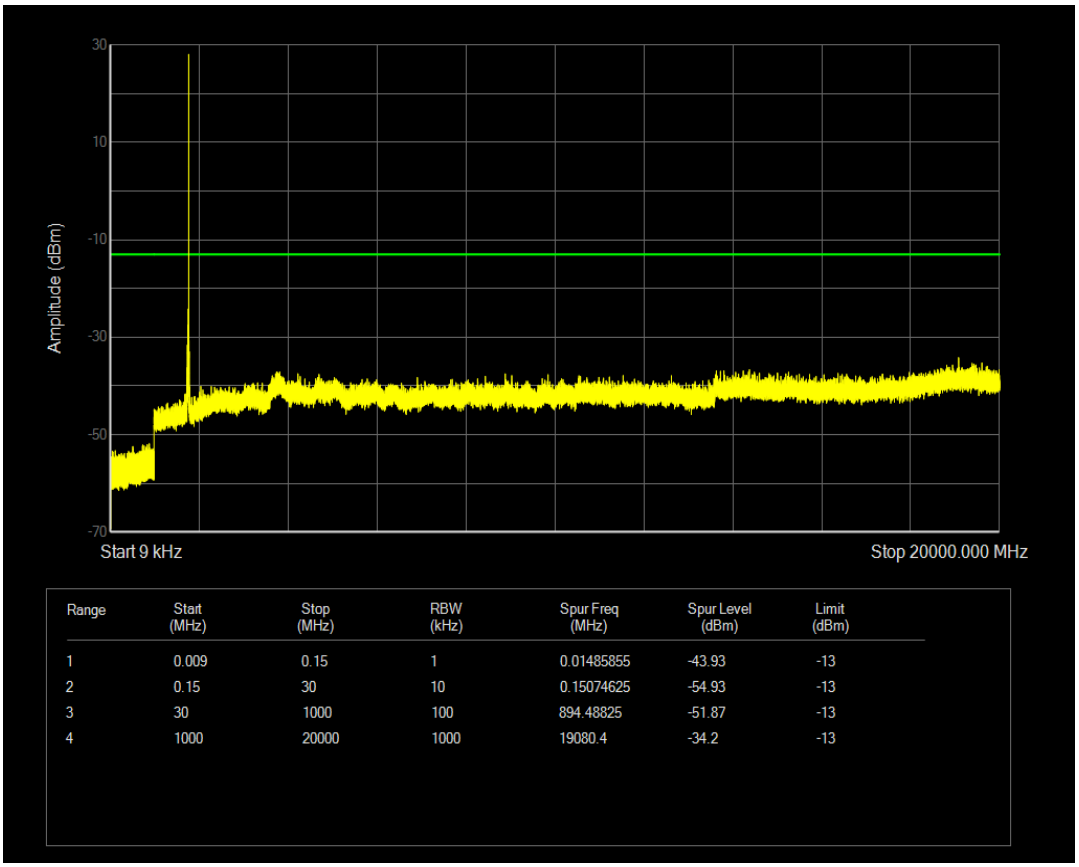
n66 SCS=15kHz CP_QPSK BW=5MHz Channel=342500 RB=25@0



6 Out-of-band emissions for EN-DC

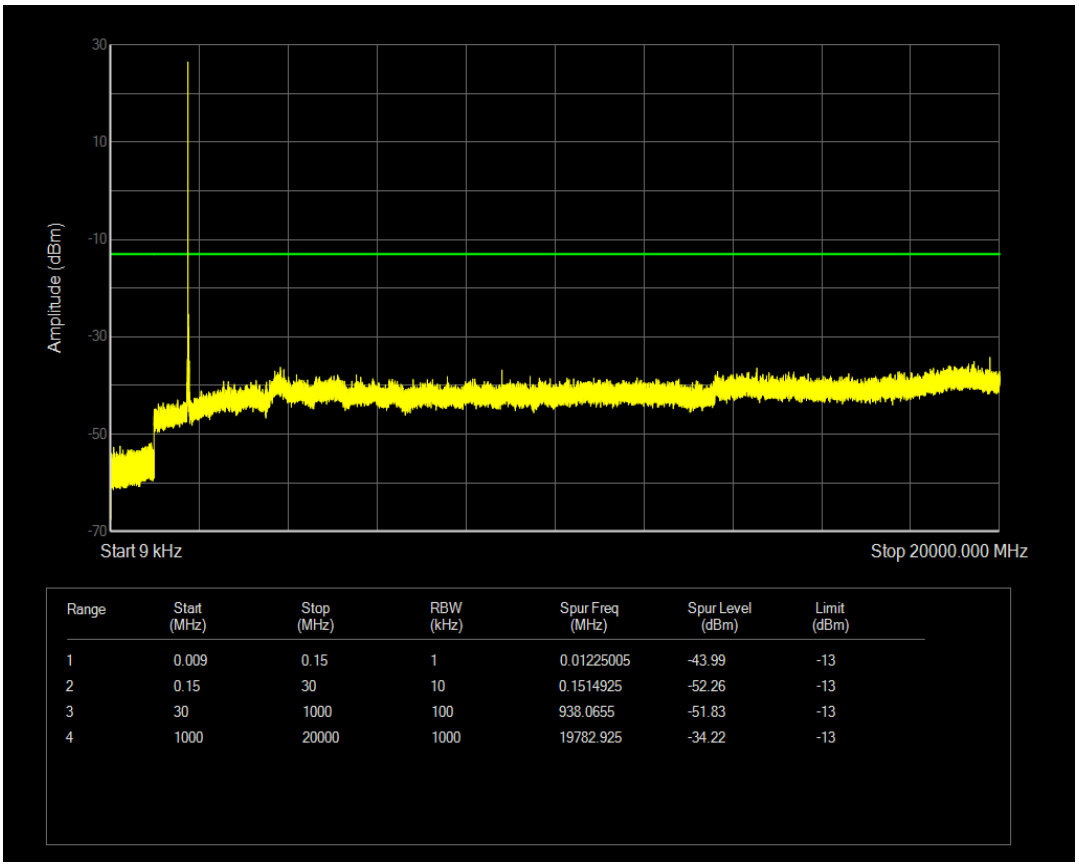
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n66	15	5	342500	25@0	CP_QPSK	19374.43	-34.85	-13	PASS
n66	15	5	342500	1@0	CP_QPSK	19369.68	-35.48	-13	PASS
n66	15	5	342500	1@24	CP_QPSK	19067.10	-34.27	-13	PASS
n66	15	5	355500	25@0	CP_QPSK	19299.38	-35.11	-13	PASS
n66	15	5	355500	1@0	CP_QPSK	19332.15	-34.84	-13	PASS
n66	15	5	355500	1@24	CP_QPSK	18827.23	-35.32	-13	PASS
n66	15	20	344000	106@0	CP_QPSK	18844.80	-34.92	-13	PASS
n66	15	20	344000	1@0	CP_QPSK	19165.43	-34.99	-13	PASS
n66	15	20	344000	1@105	CP_QPSK	19327.40	-35.45	-13	PASS
n66	15	20	354000	106@0	CP_QPSK	19325.98	-34.62	-13	PASS
n66	15	20	354000	1@0	CP_QPSK	19782.93	-34.22	-13	PASS
n66	15	20	354000	1@105	CP_QPSK	19080.40	-34.20	-13	PASS
n66	15	40	346000	216@0	CP_QPSK	19251.88	-34.82	-13	PASS
n66	15	40	346000	1@0	CP_QPSK	18824.85	-35.19	-13	PASS
n66	15	40	346000	1@215	CP_QPSK	18896.10	-34.79	-13	PASS
n66	15	40	352000	216@0	CP_QPSK	19123.63	-35.12	-13	PASS
n66	15	40	352000	1@0	CP_QPSK	18814.88	-35.31	-13	PASS
n66	15	40	352000	1@215	CP_QPSK	19297.48	-34.86	-13	PASS

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



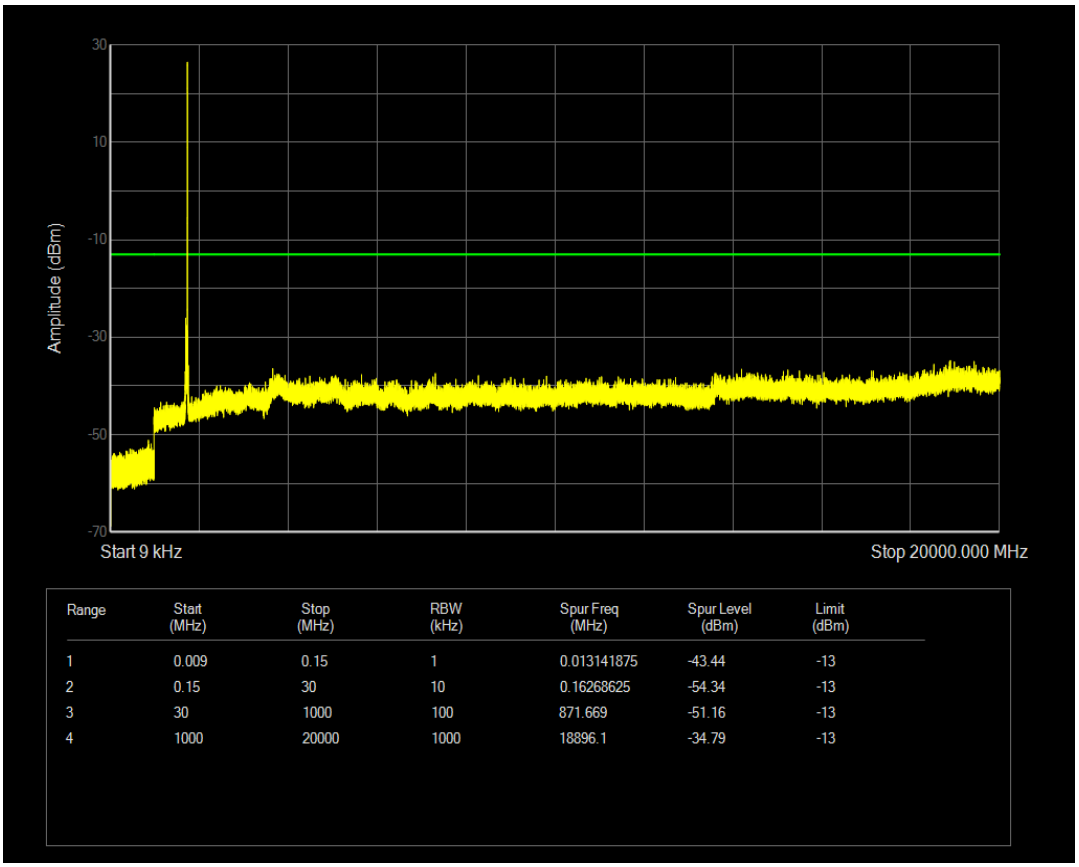
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01485855	-43.93	-13
2	0.15	30	10	0.15074625	-54.93	-13
3	30	1000	100	894.48825	-51.87	-13
4	1000	20000	1000	19080.4	-34.2	-13

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



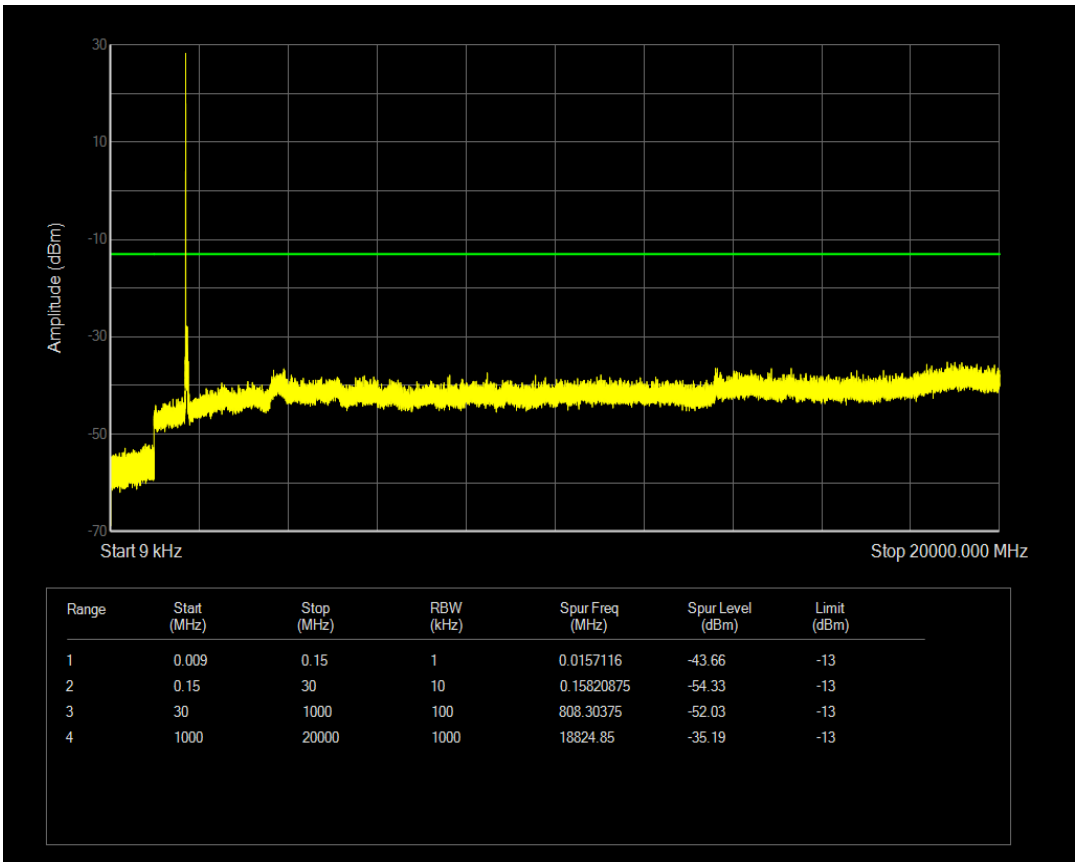
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01225005	-43.99	-13
2	0.15	30	10	0.1514925	-52.26	-13
3	30	1000	100	938.0655	-51.83	-13
4	1000	20000	1000	19782.925	-34.22	-13

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



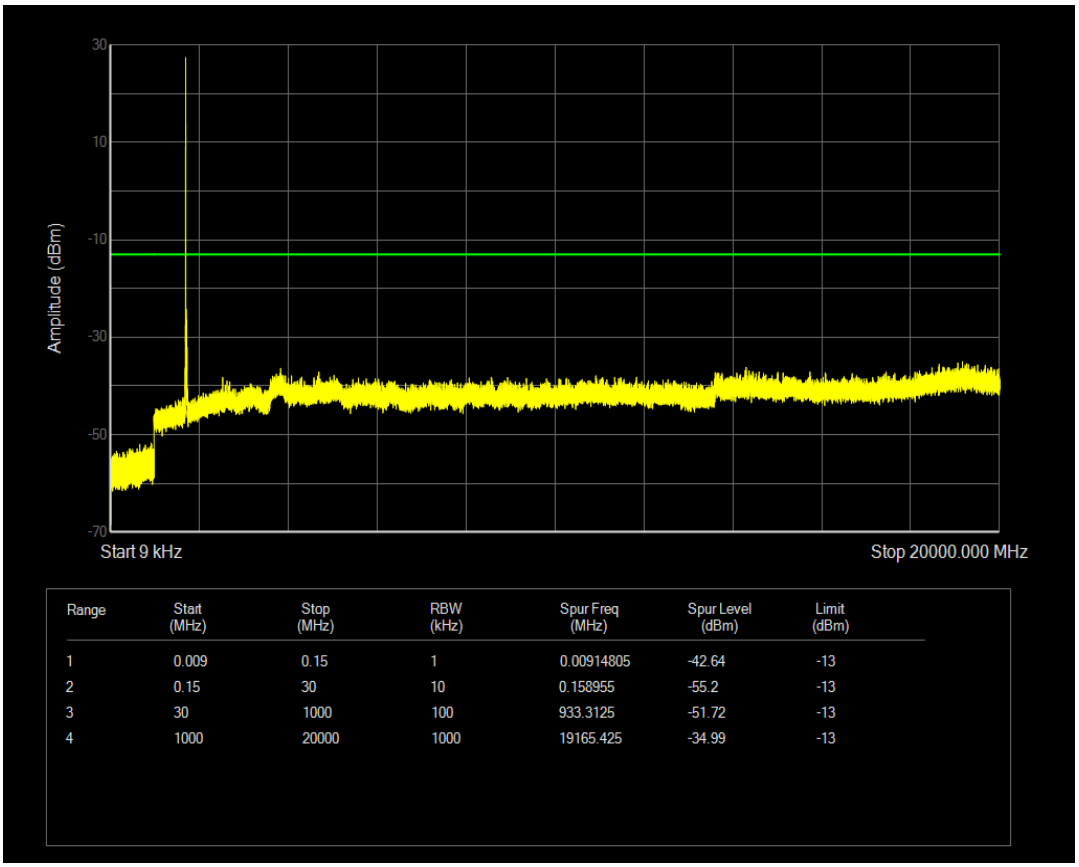
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013141875	-43.44	-13
2	0.15	30	10	0.16268625	-54.34	-13
3	30	1000	100	871.669	-51.16	-13
4	1000	20000	1000	18896.1	-34.79	-13

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



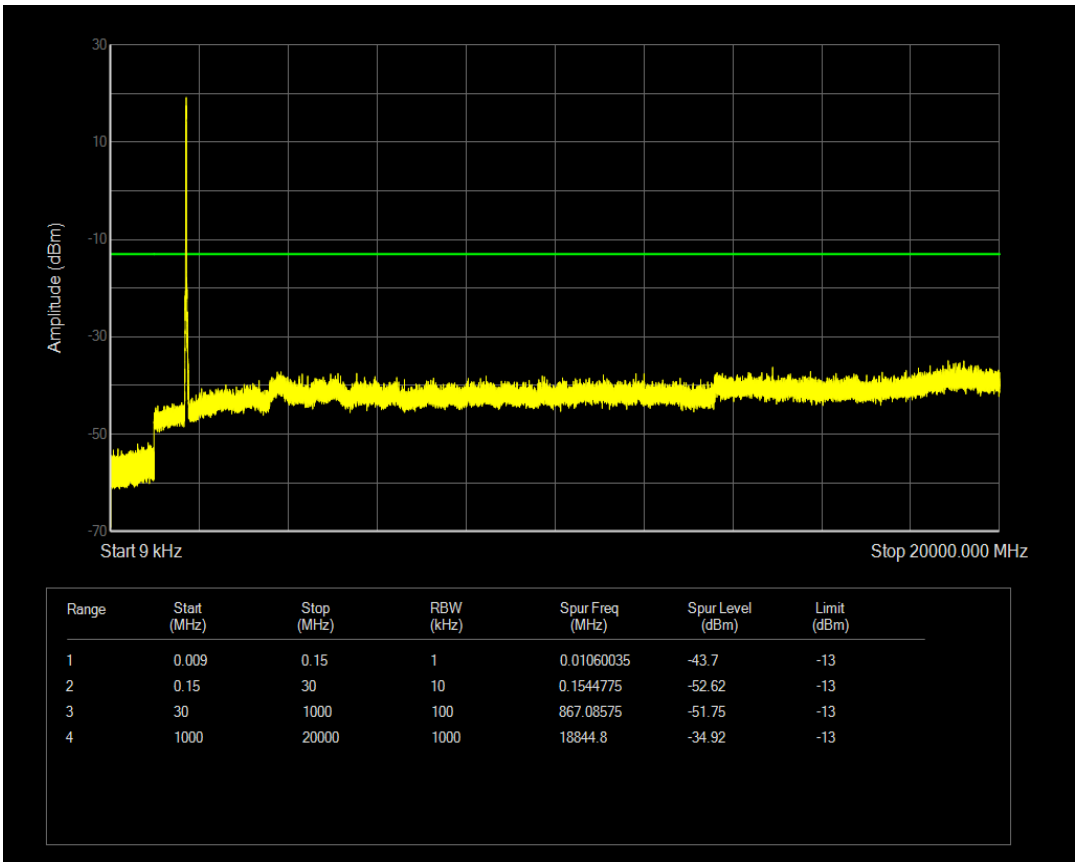
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0157116	-43.66	-13
2	0.15	30	10	0.15820875	-54.33	-13
3	30	1000	100	808.30375	-52.03	-13
4	1000	20000	1000	18824.85	-35.19	-13

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



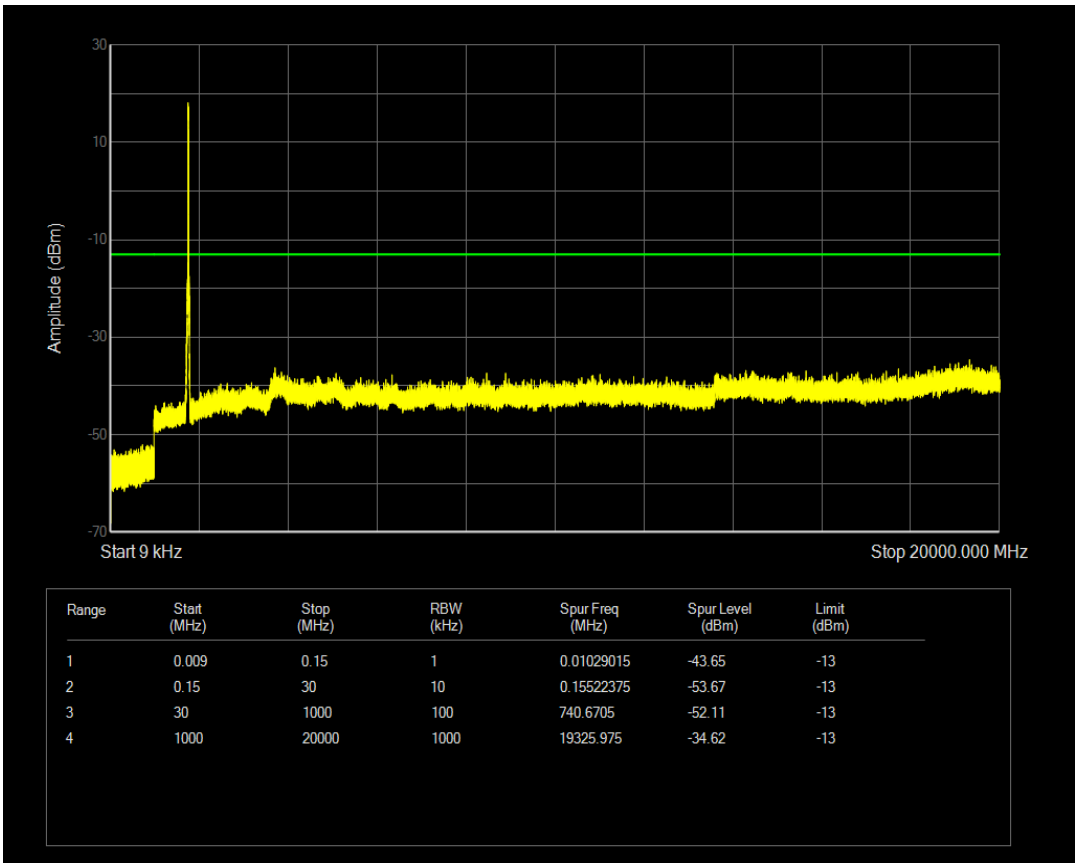
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00914805	-42.64	-13
2	0.15	30	10	0.158955	-55.2	-13
3	30	1000	100	933.3125	-51.72	-13
4	1000	20000	1000	19165.425	-34.99	-13

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



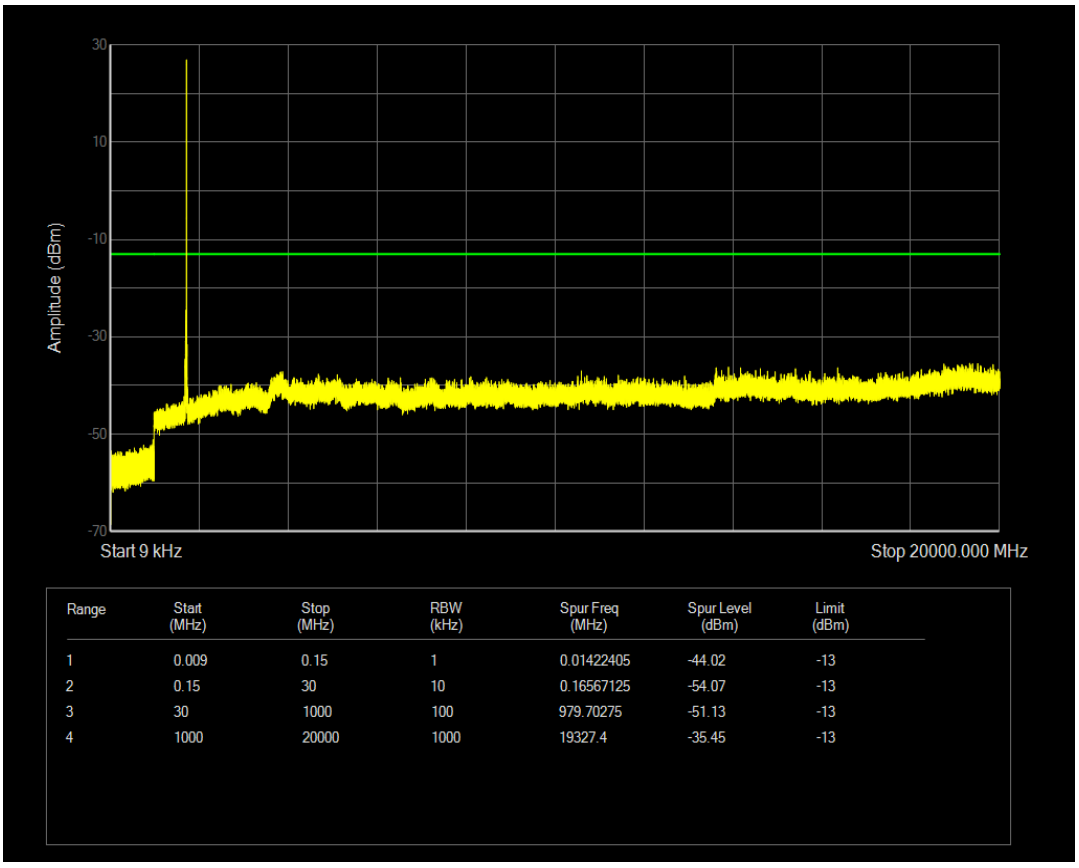
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01060035	-43.7	-13
2	0.15	30	10	0.1544775	-52.62	-13
3	30	1000	100	867.08575	-51.75	-13
4	1000	20000	1000	18844.8	-34.92	-13

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



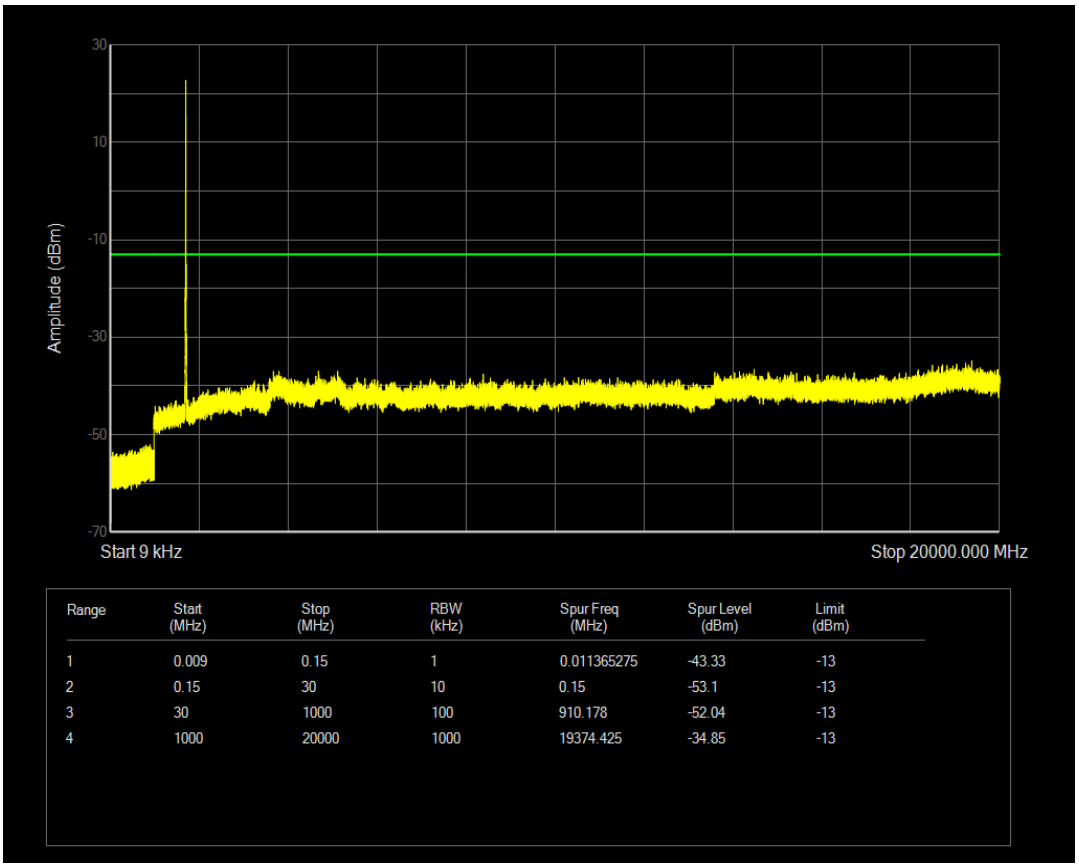
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01029015	-43.65	-13
2	0.15	30	10	0.15522375	-53.67	-13
3	30	1000	100	740.6705	-52.11	-13
4	1000	20000	1000	19325.975	-34.62	-13

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



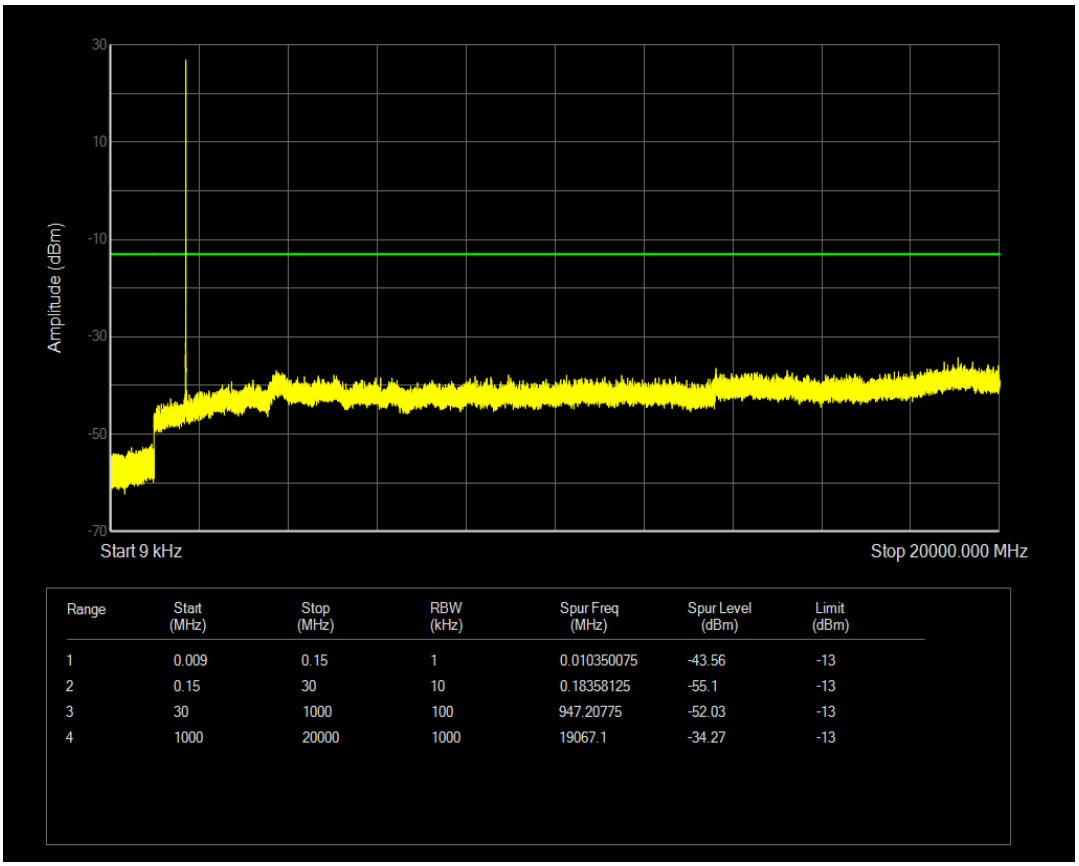
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01422405	-44.02	-13
2	0.15	30	10	0.16567125	-54.07	-13
3	30	1000	100	979.70275	-51.13	-13
4	1000	20000	1000	19327.4	-35.45	-13

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



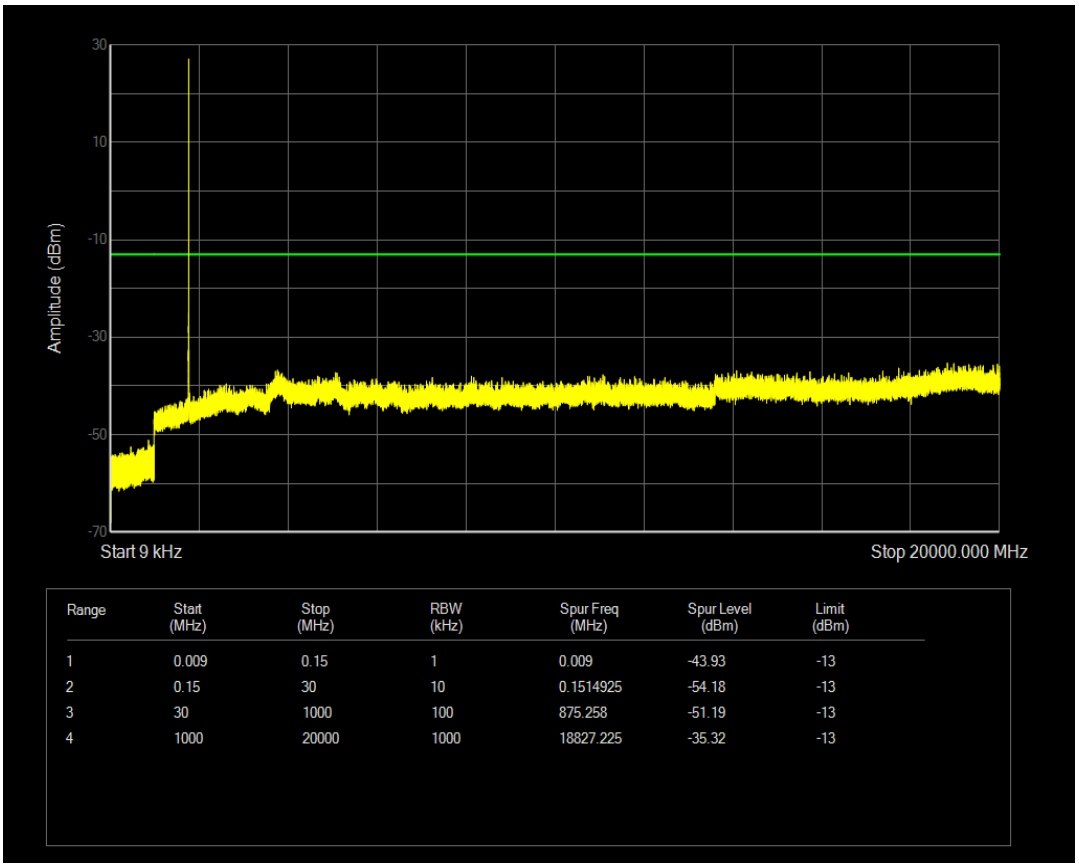
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011365275	-43.33	-13
2	0.15	30	10	0.15	-53.1	-13
3	30	1000	100	910.178	-52.04	-13
4	1000	20000	1000	19374.425	-34.85	-13

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



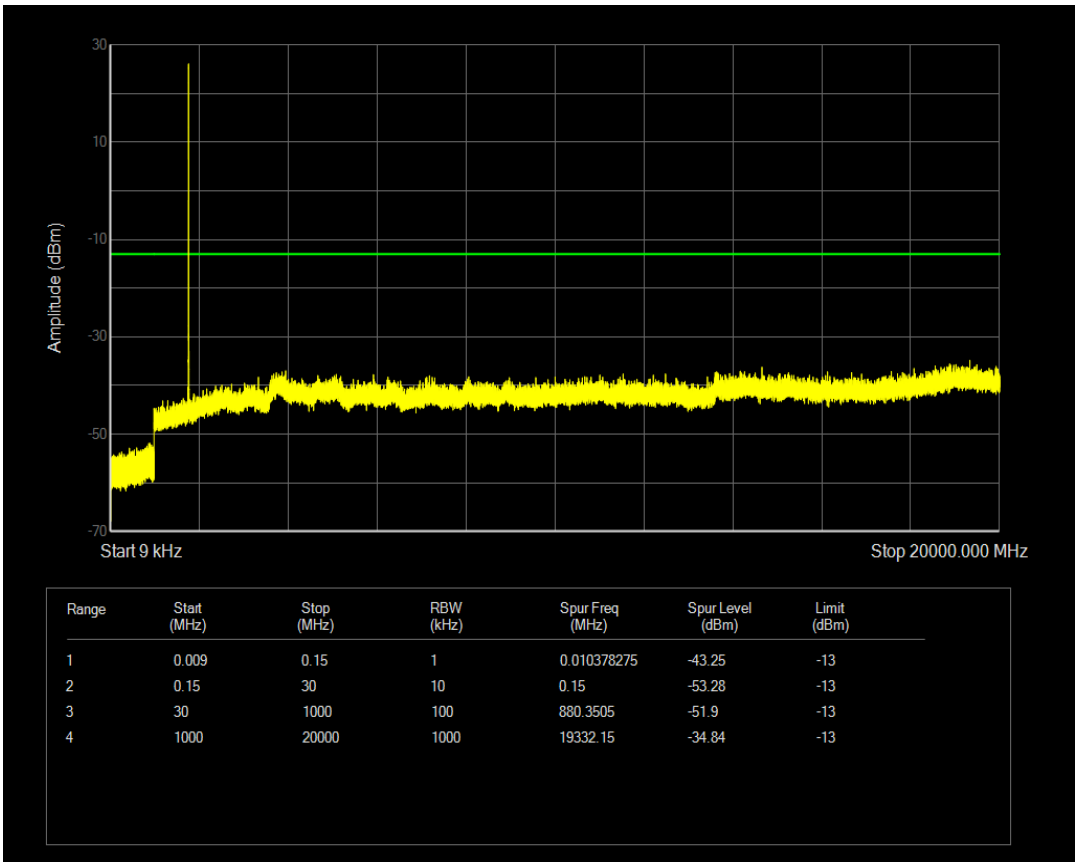
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010350075	-43.56	-13
2	0.15	30	10	0.18358125	-55.1	-13
3	30	1000	100	947.20775	-52.03	-13
4	1000	20000	1000	19067.1	-34.27	-13

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



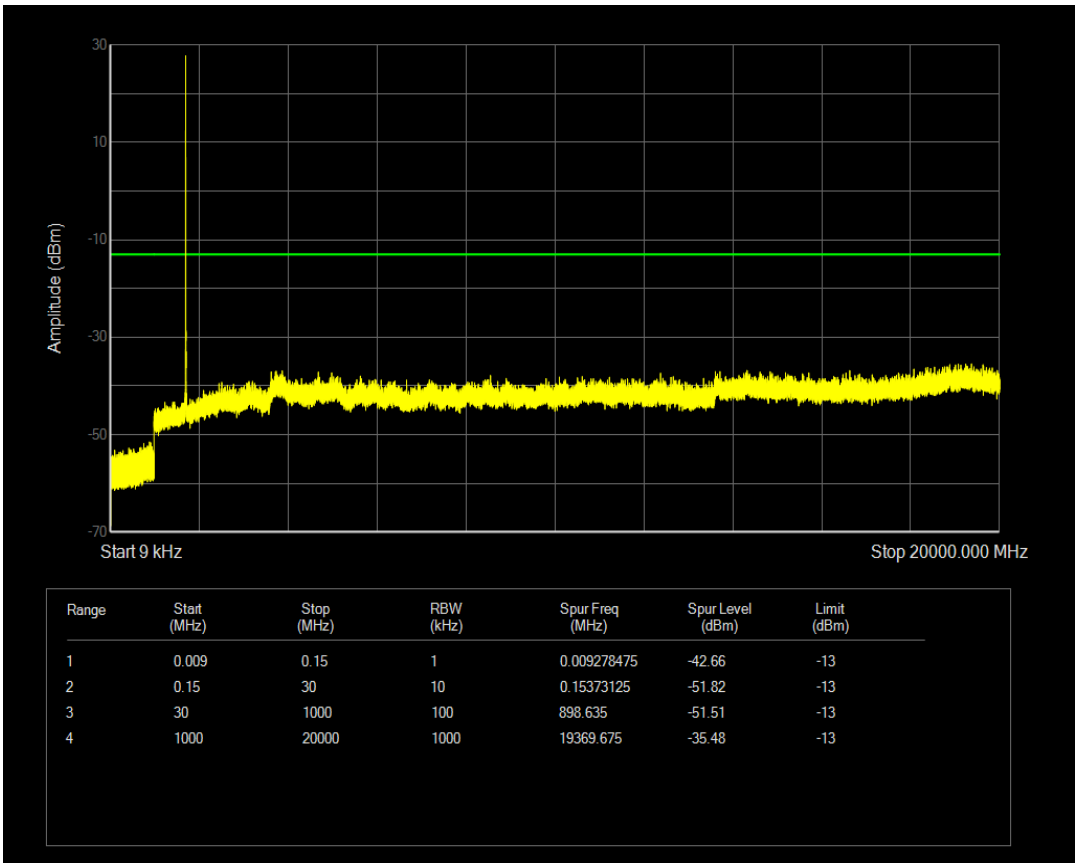
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-43.93	-13
2	0.15	30	10	0.1514925	-54.18	-13
3	30	1000	100	875.258	-51.19	-13
4	1000	20000	1000	18827.225	-35.32	-13

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



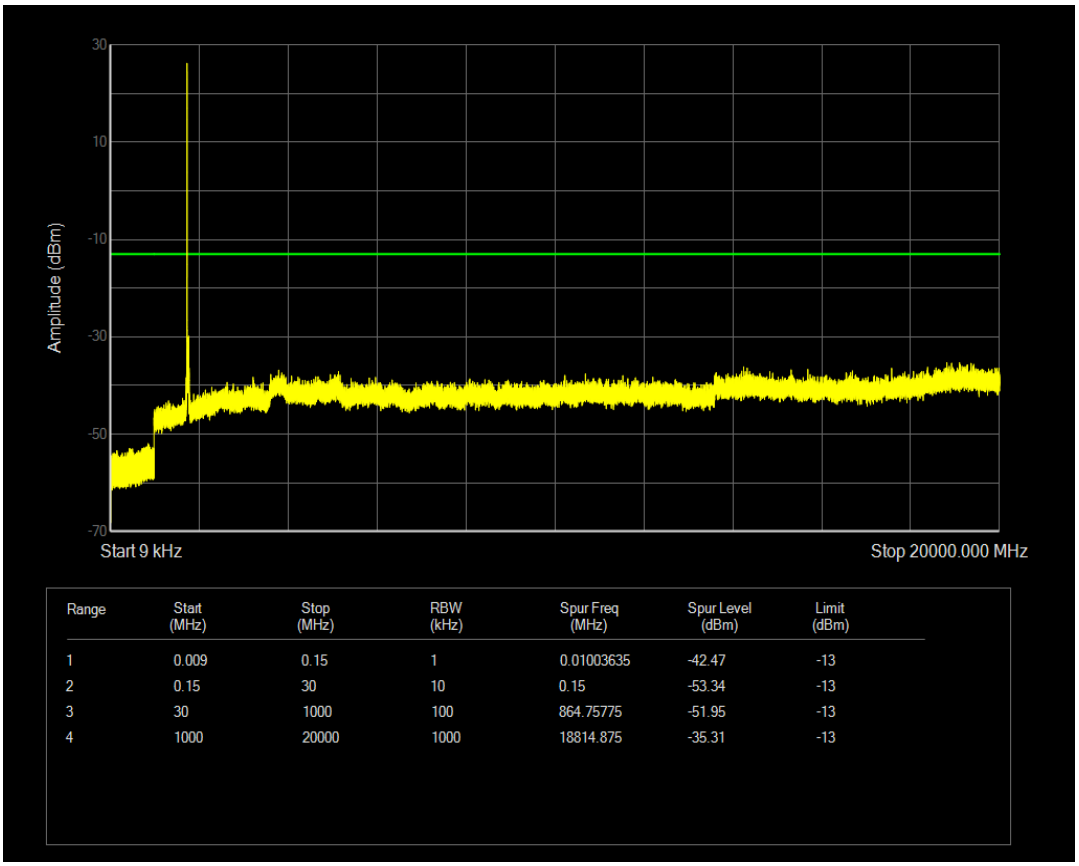
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010378275	-43.25	-13
2	0.15	30	10	0.15	-53.28	-13
3	30	1000	100	880.3505	-51.9	-13
4	1000	20000	1000	19332.15	-34.84	-13

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



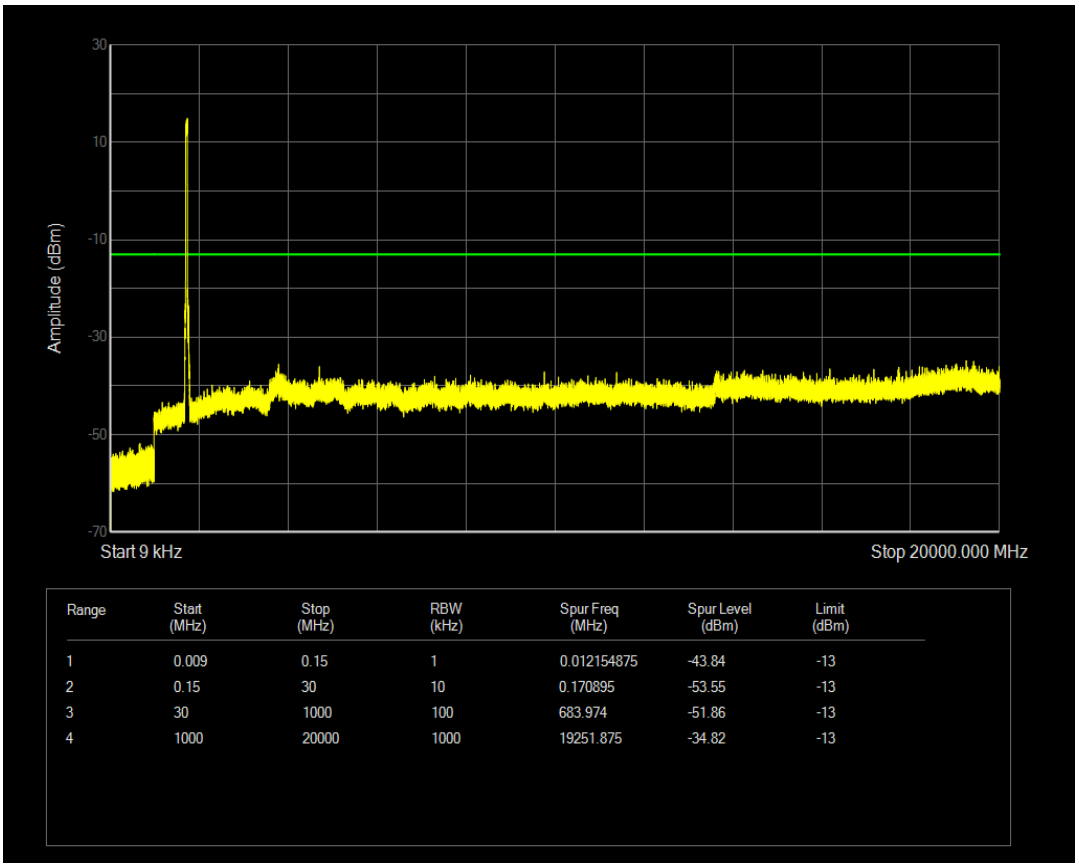
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009278475	-42.66	-13
2	0.15	30	10	0.15373125	-51.82	-13
3	30	1000	100	898.635	-51.51	-13
4	1000	20000	1000	19369.675	-35.48	-13

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



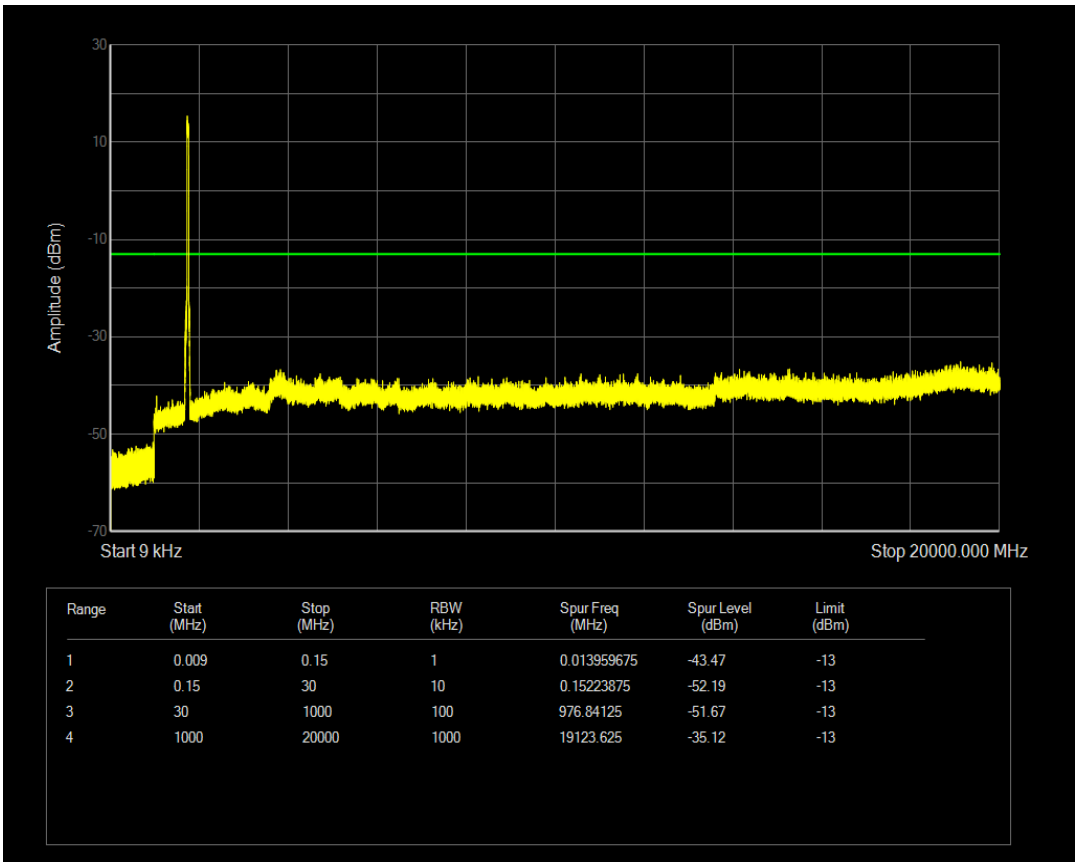
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01003635	-42.47	-13
2	0.15	30	10	0.15	-53.34	-13
3	30	1000	100	864.75775	-51.95	-13
4	1000	20000	1000	18814.875	-35.31	-13

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



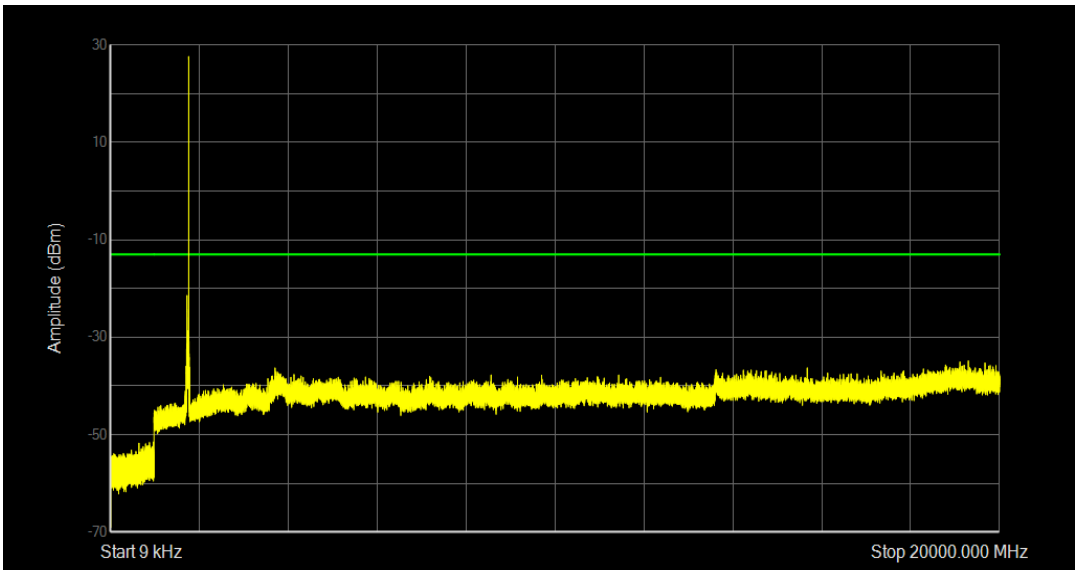
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012154875	-43.84	-13
2	0.15	30	10	0.170895	-53.55	-13
3	30	1000	100	683.974	-51.86	-13
4	1000	20000	1000	19251.875	-34.82	-13

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



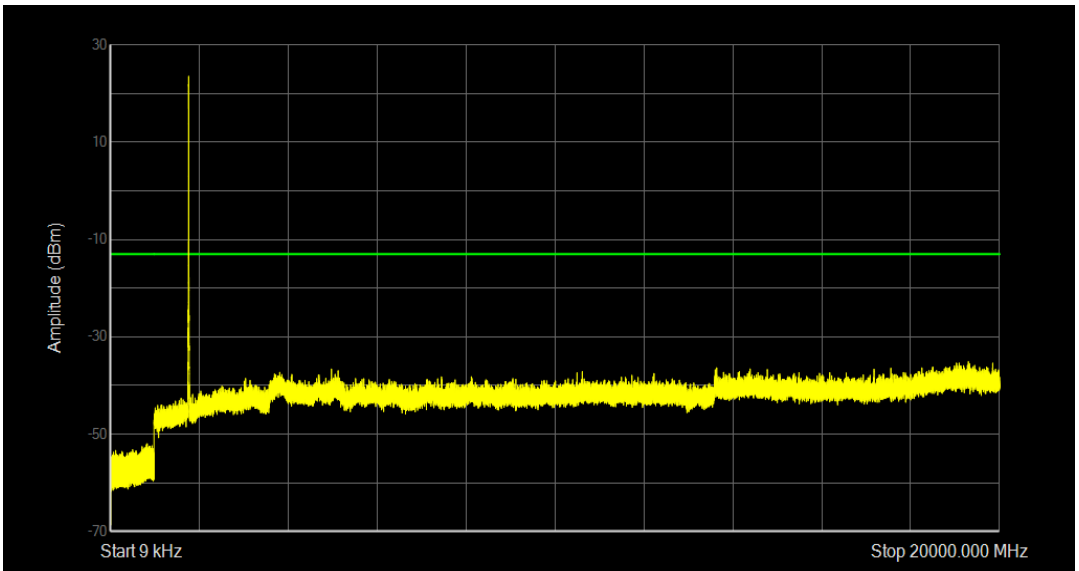
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013959675	-43.47	-13
2	0.15	30	10	0.15223875	-52.19	-13
3	30	1000	100	976.84125	-51.67	-13
4	1000	20000	1000	19123.625	-35.12	-13

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	0.013480275	-42.63	-13
2	0.15	30	10	0.16119375	-54.61	-13
3	30	1000	100	985.838	-51.52	-13
4	1000	20000	1000	19297.475	-34.86	-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	0.009807225	-43.6	-13
2	0.15	30	10	0.15223875	-53.66	-13
3	30	1000	100	845.26075	-51.96	-13
4	1000	20000	1000	19299.375	-35.11	-13