



n66 SCS=15kHz DFT_QAM16 BW=10MHz Channel=349000 RB=50@0



n66 SCS=15kHz DFT_QAM16 BW=15MHz Channel=349000 RB=75@0



n66 SCS=15kHz DFT_QAM16 BW=20MHz Channel=349000 RB=100@0



n66 SCS=15kHz DFT_QAM16 BW=40MHz Channel=349000 RB=216@0



n66 SCS=15kHz DFT_QAM16 BW=5MHz Channel=349000 RB=25@0



n66 SCS=15kHz DFT_QAM256 BW=10MHz Channel=349000 RB=50@0



n66 SCS=15kHz DFT_QAM256 BW=15MHz Channel=349000 RB=75@0



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



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



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



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



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



n66 SCS=15kHz DFT_QAM64 BW=20MHz Channel=349000 RB=100@0



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



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



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



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



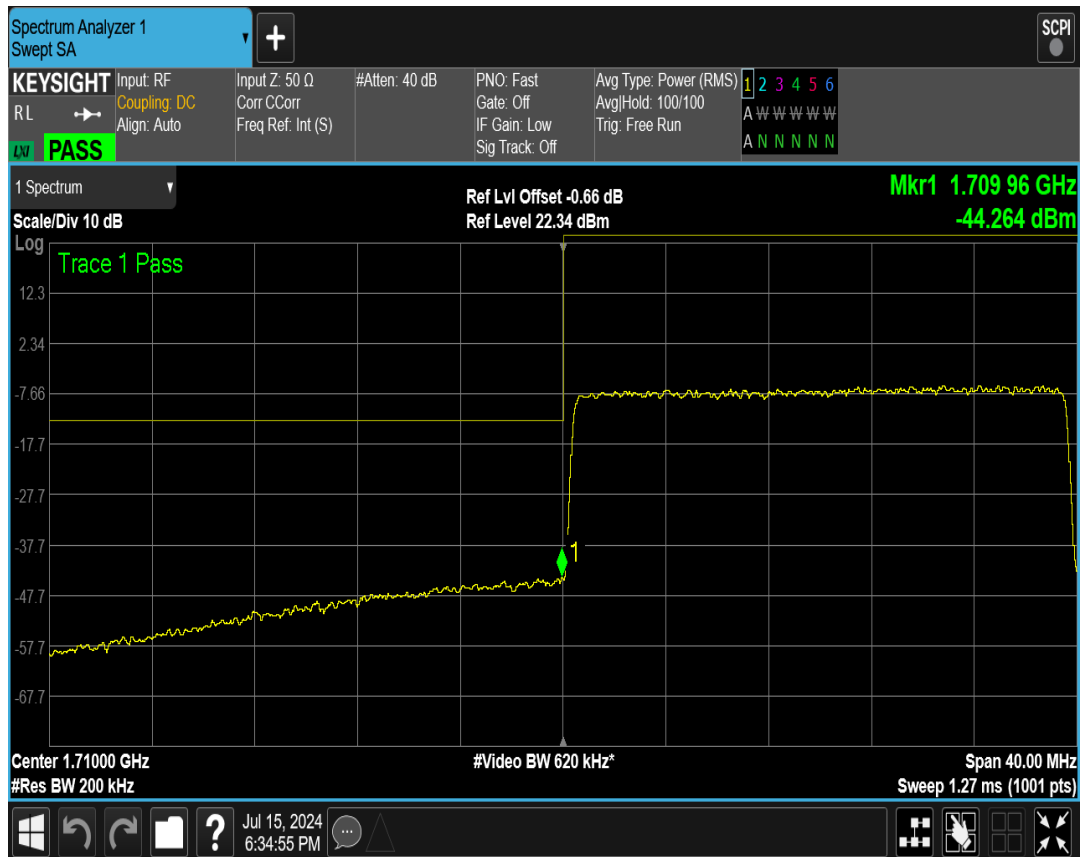
n66 SCS=15kHz DFT_QPSK BW=5MHz Channel=349000 RB=25@0



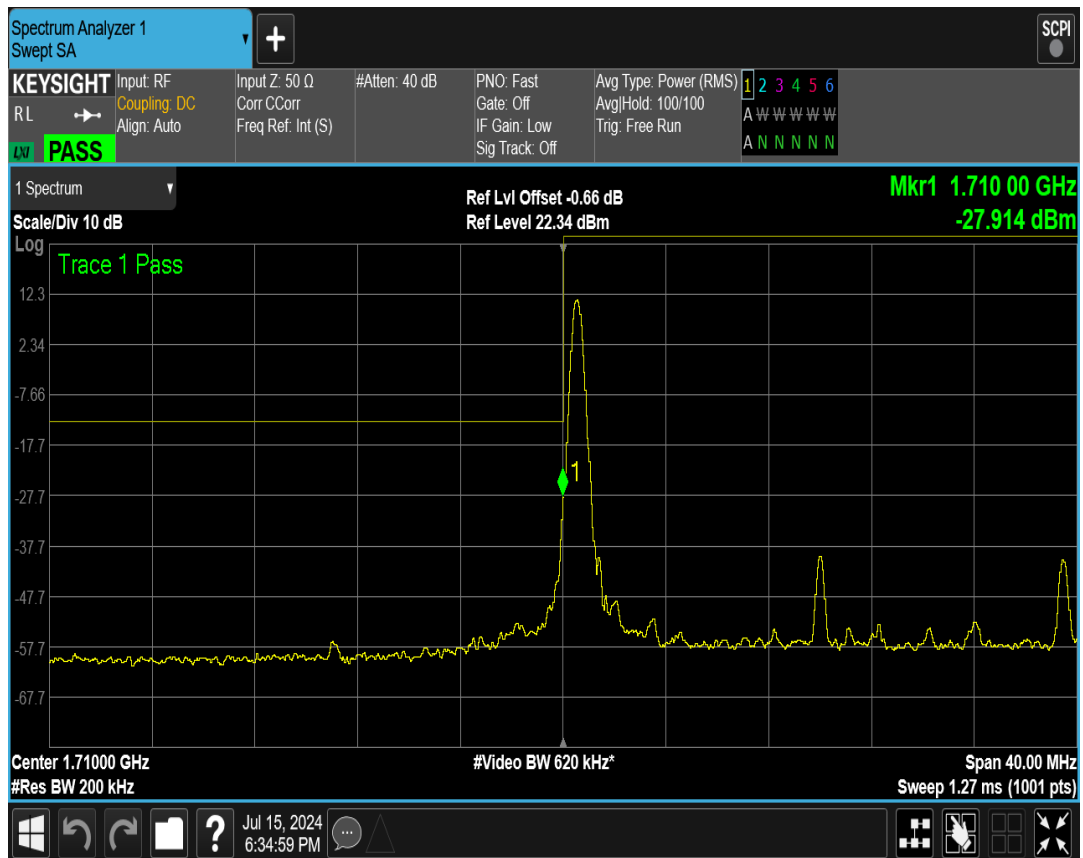
5 Band edge for NR FR1

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	-40.55	-13	PASS
n66	15	5	342500	1@0	CP_QPSK	1710.00	-13.73	-13	PASS
n66	15	5	342500	1@24	CP_QPSK	1710.00	-29.53	-13	PASS
n66	15	5	355500	25@0	CP_QPSK	1780.00	-40.83	-13	PASS
n66	15	5	355500	1@0	CP_QPSK	1782.61	-52.47	-13	PASS
n66	15	5	355500	1@24	CP_QPSK	1780.00	-14.01	-13	PASS
n66	15	20	344000	106@0	CP_QPSK	1709.96	-44.26	-13	PASS
n66	15	20	344000	1@0	CP_QPSK	1710.00	-27.91	-13	PASS
n66	15	20	344000	1@105	CP_QPSK	1700.20	-51.32	-13	PASS
n66	15	20	354000	106@0	CP_QPSK	1780.04	-41.64	-13	PASS
n66	15	20	354000	1@0	CP_QPSK	1789.80	-51.38	-13	PASS
n66	15	20	354000	1@105	CP_QPSK	1780.00	-32.45	-13	PASS
n66	15	40	346000	216@0	CP_QPSK	1710.00	-38.49	-13	PASS
n66	15	40	346000	1@0	CP_QPSK	1710.00	-27.66	-13	PASS
n66	15	40	346000	1@215	CP_QPSK	1702.64	-52.44	-13	PASS
n66	15	40	352000	216@0	CP_QPSK	1780.00	-33.31	-13	PASS
n66	15	40	352000	1@0	CP_QPSK	1787.44	-53.27	-13	PASS
n66	15	40	352000	1@215	CP_QPSK	1780.00	-29.39	-13	PASS

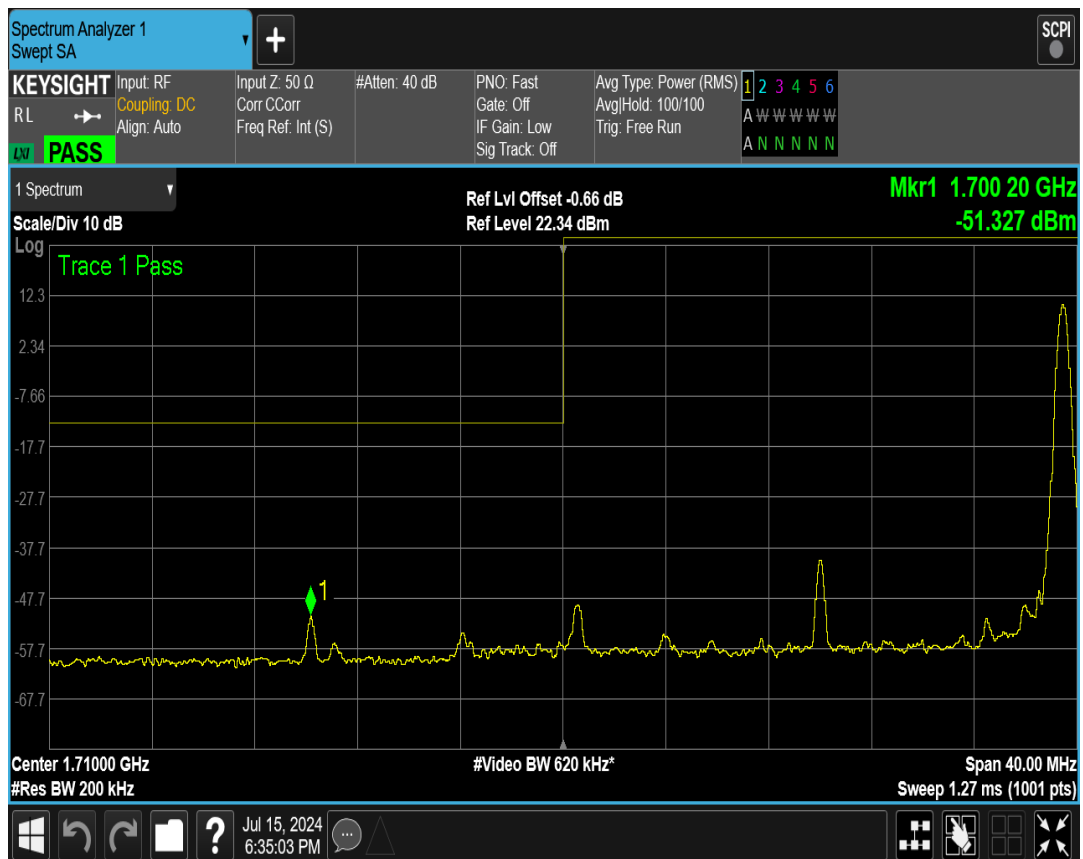
n66 SCS=15kHz CP_QPSK BW=20MHz Channel=344000 RB=106@0



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



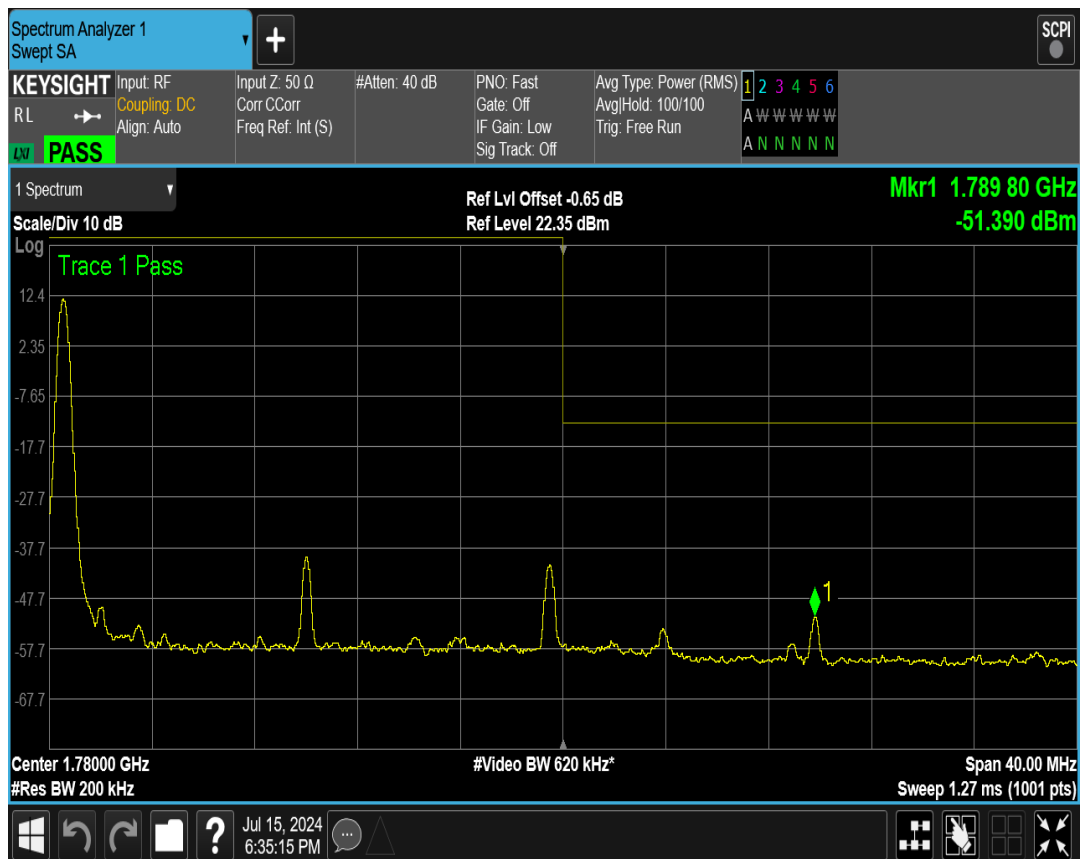
n66 SCS=15kHz CP_QPSK BW=20MHz Channel=344000 RB=1@105



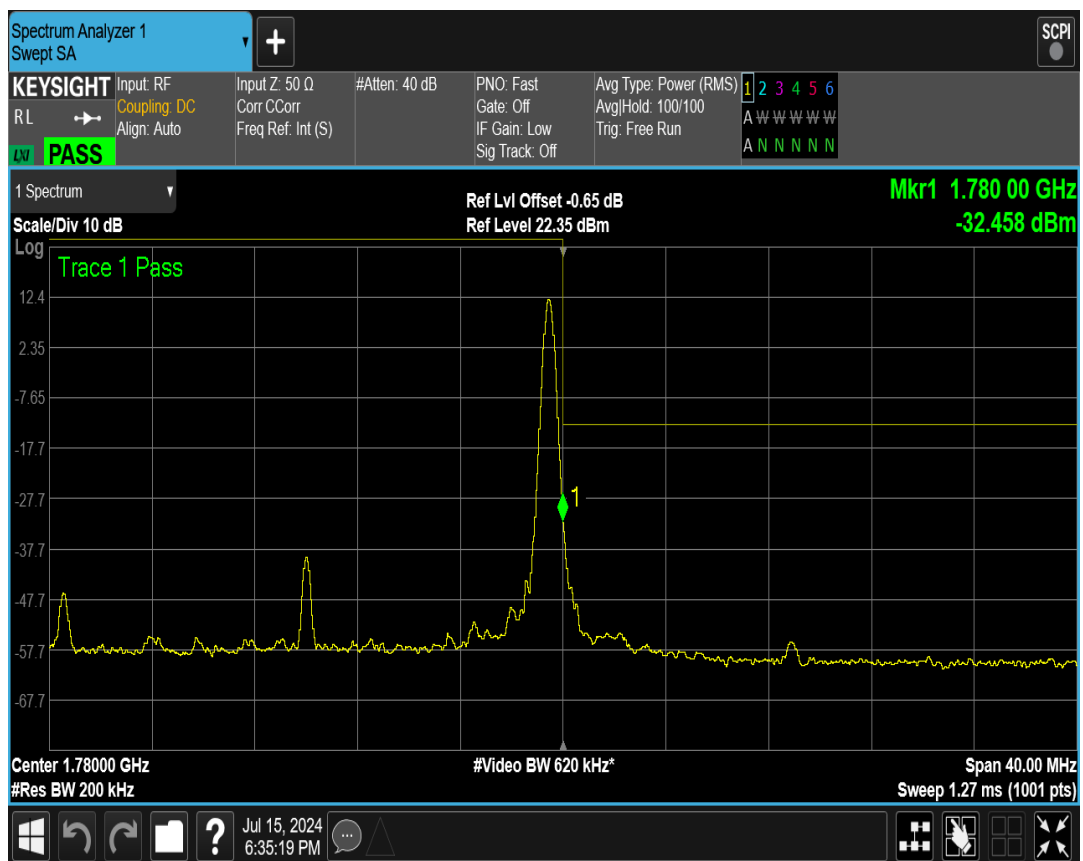
n66 SCS=15kHz CP_QPSK BW=20MHz Channel=354000 RB=106@0



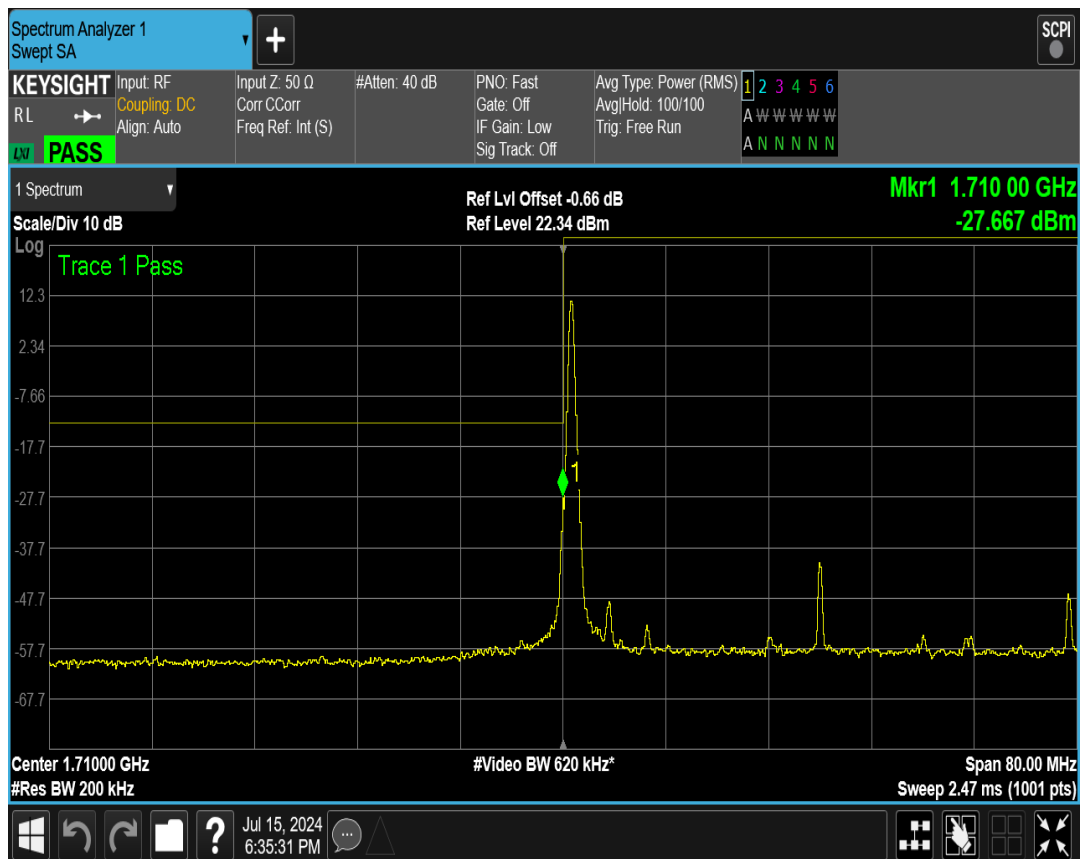
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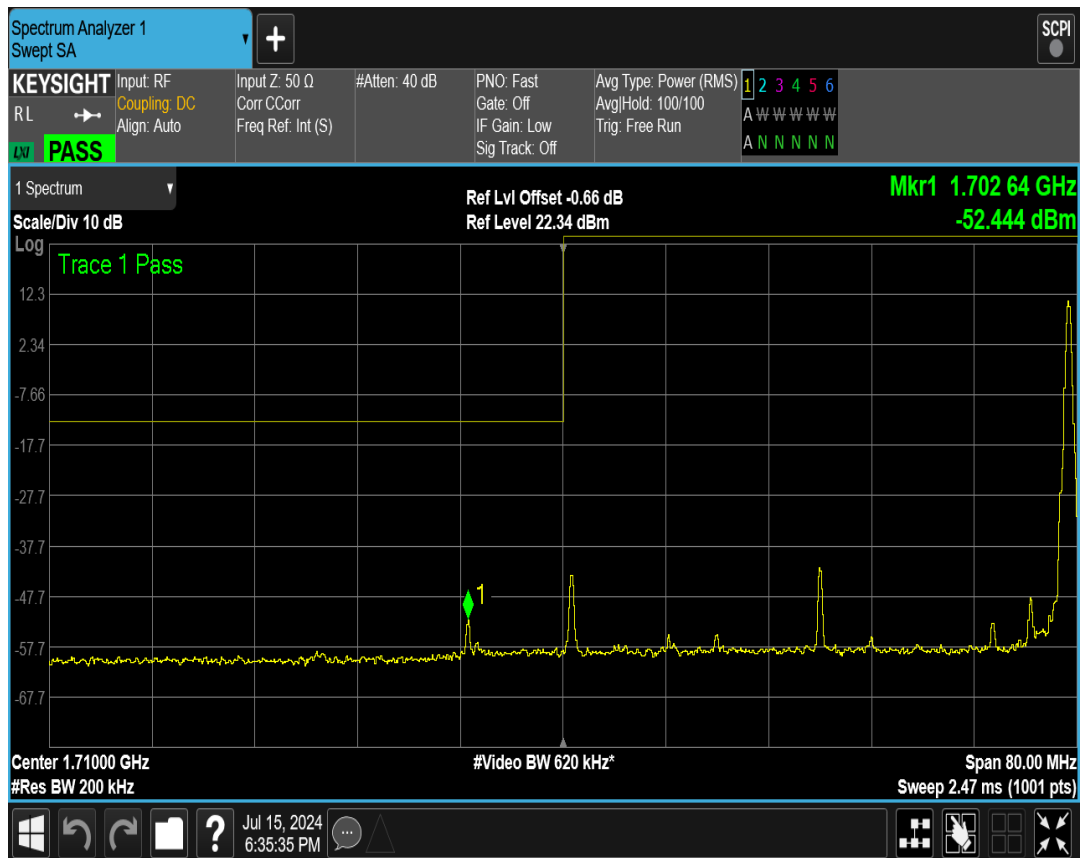
n66 SCS=15kHz CP_QPSK BW=20MHz Channel=354000 RB=1@105



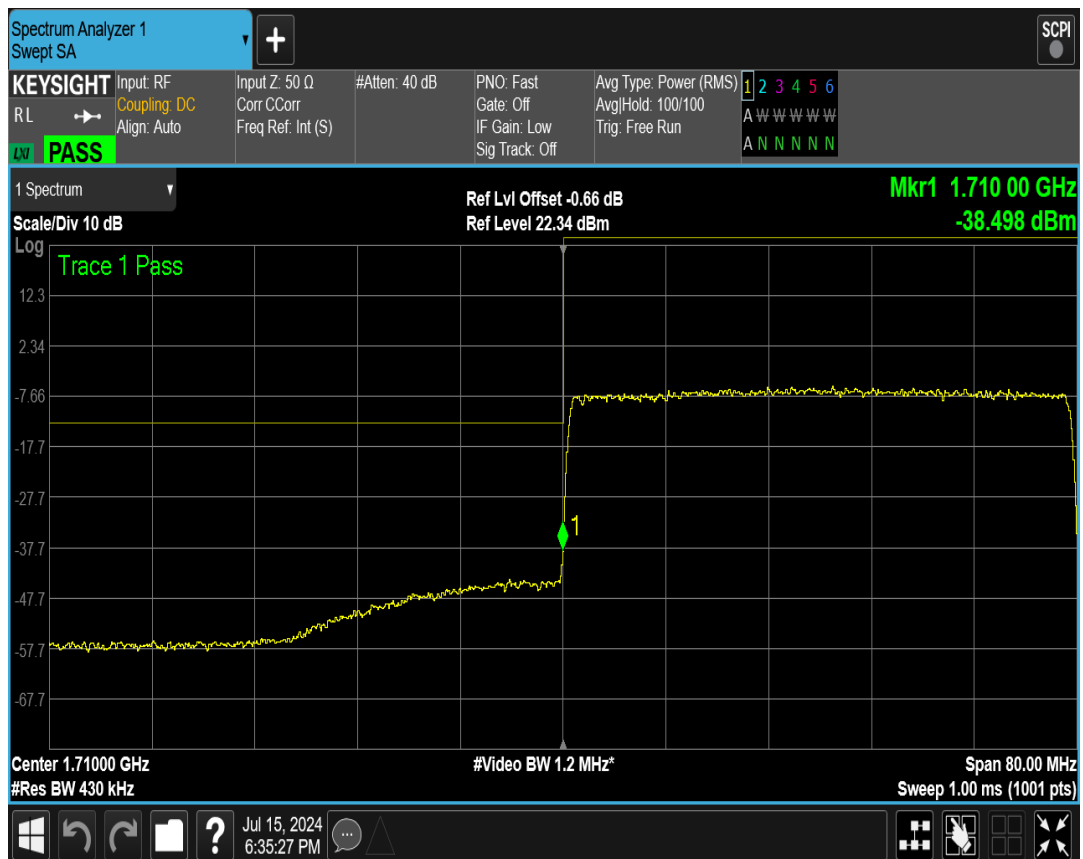
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=346000 RB=1@0



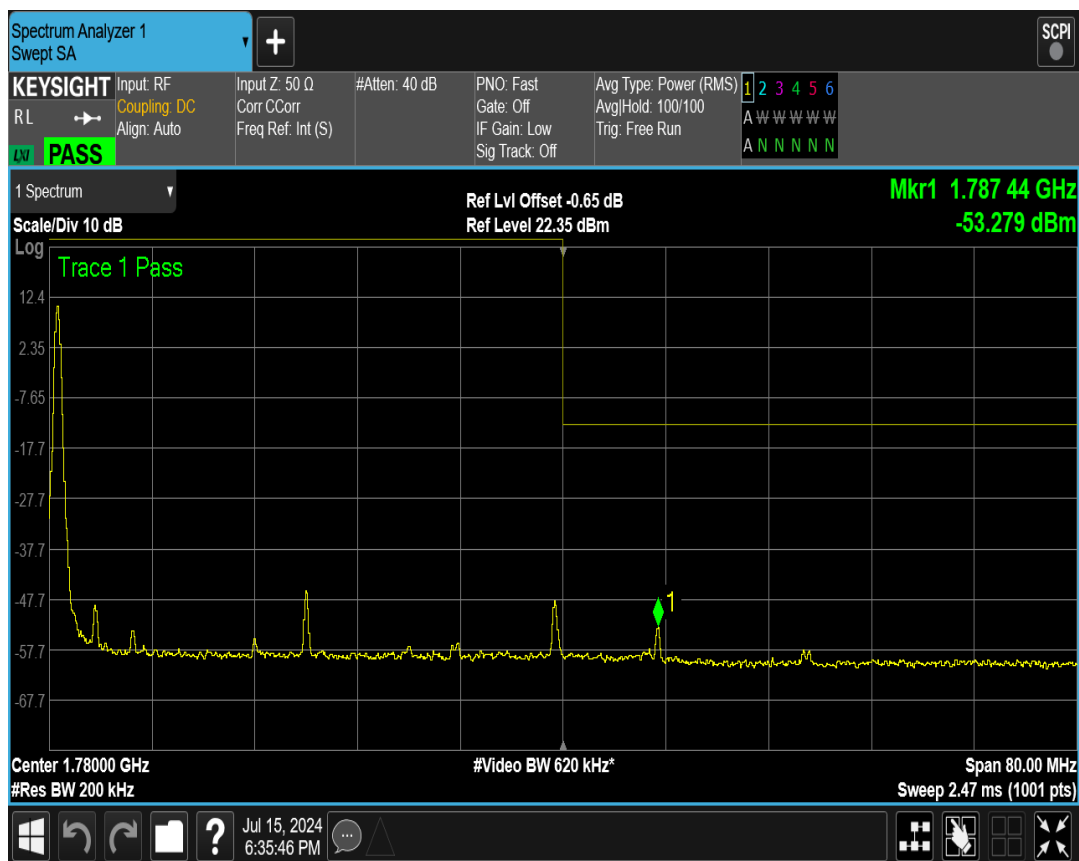
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=346000 RB=1@215



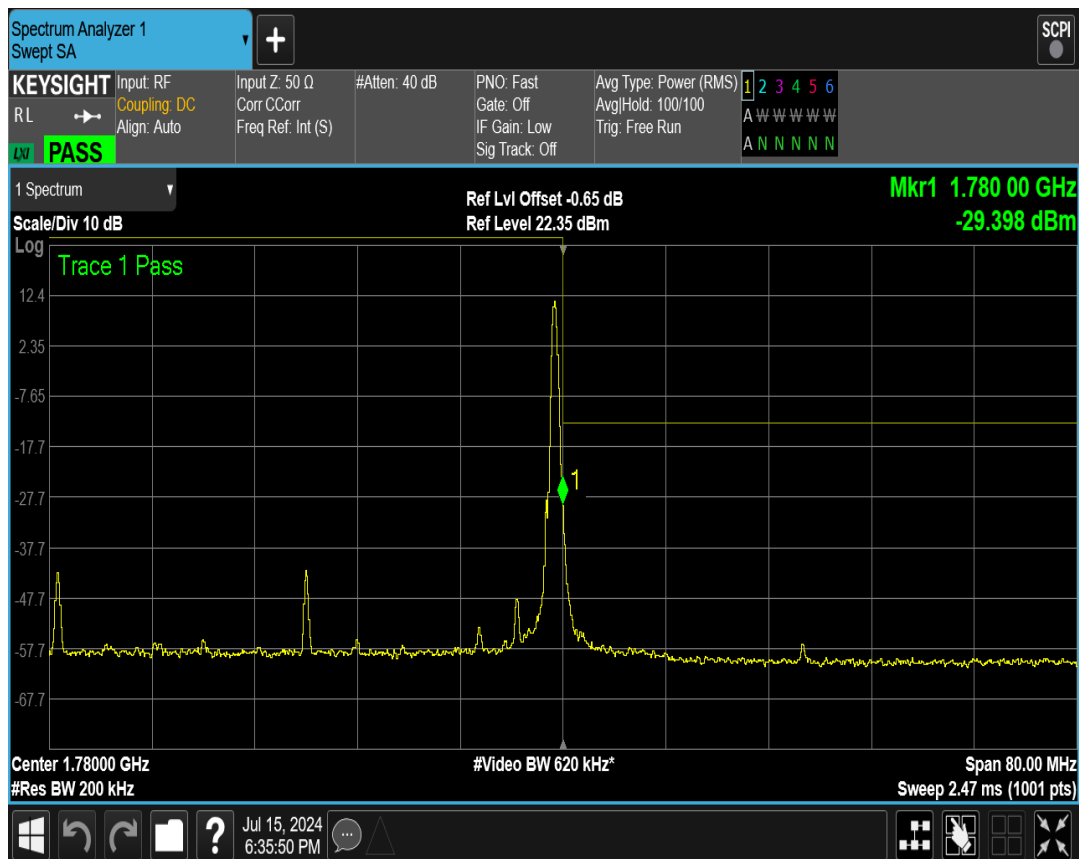
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=346000 RB=216@0



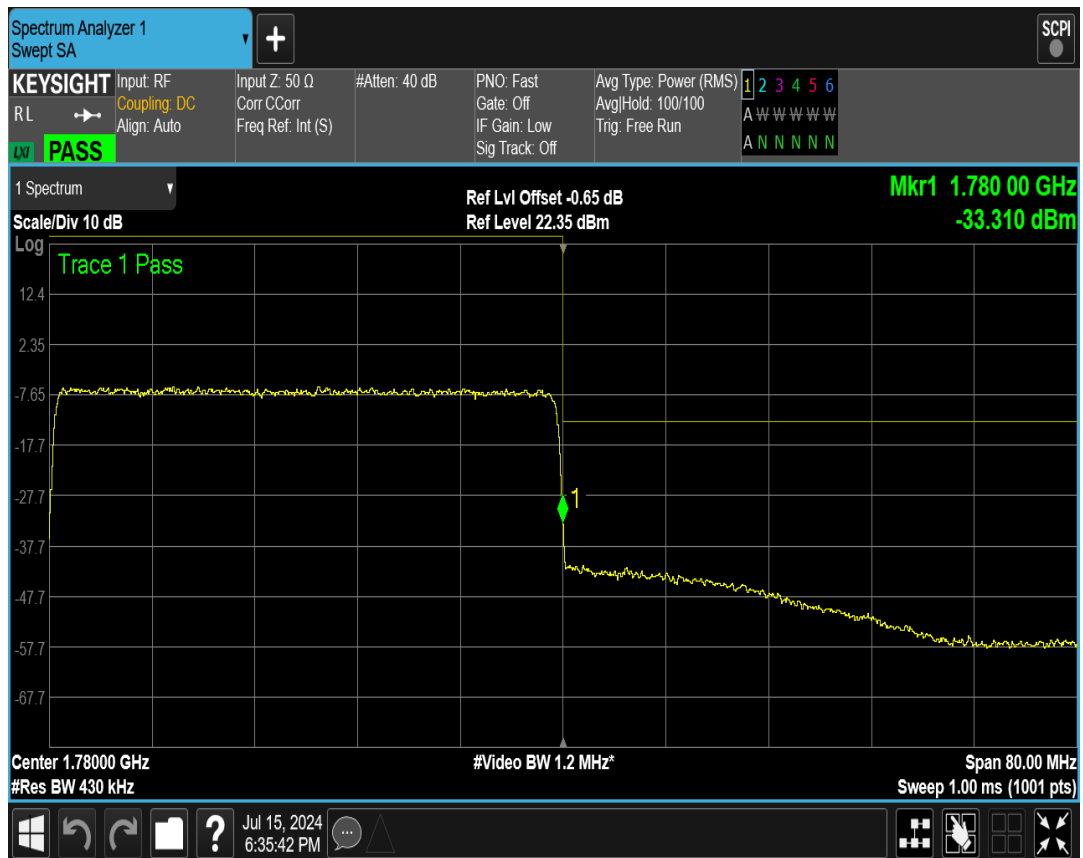
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=352000 RB=1@0



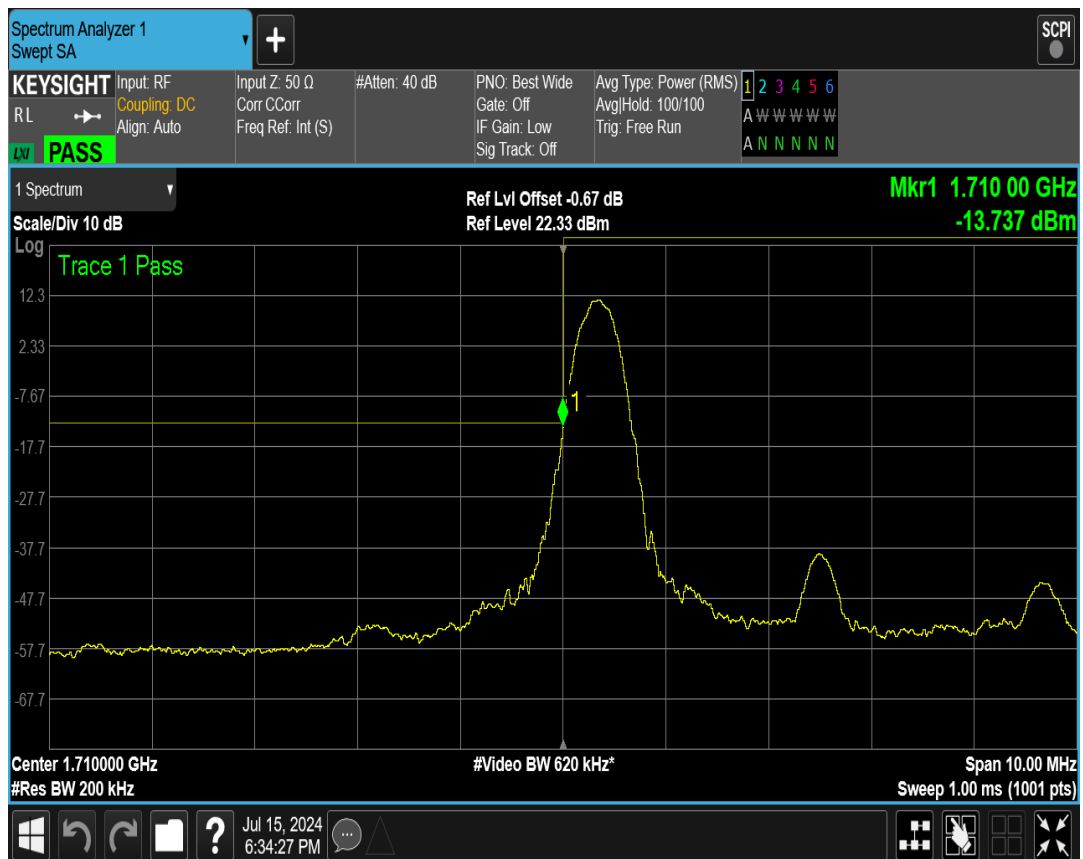
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=352000 RB=1@215



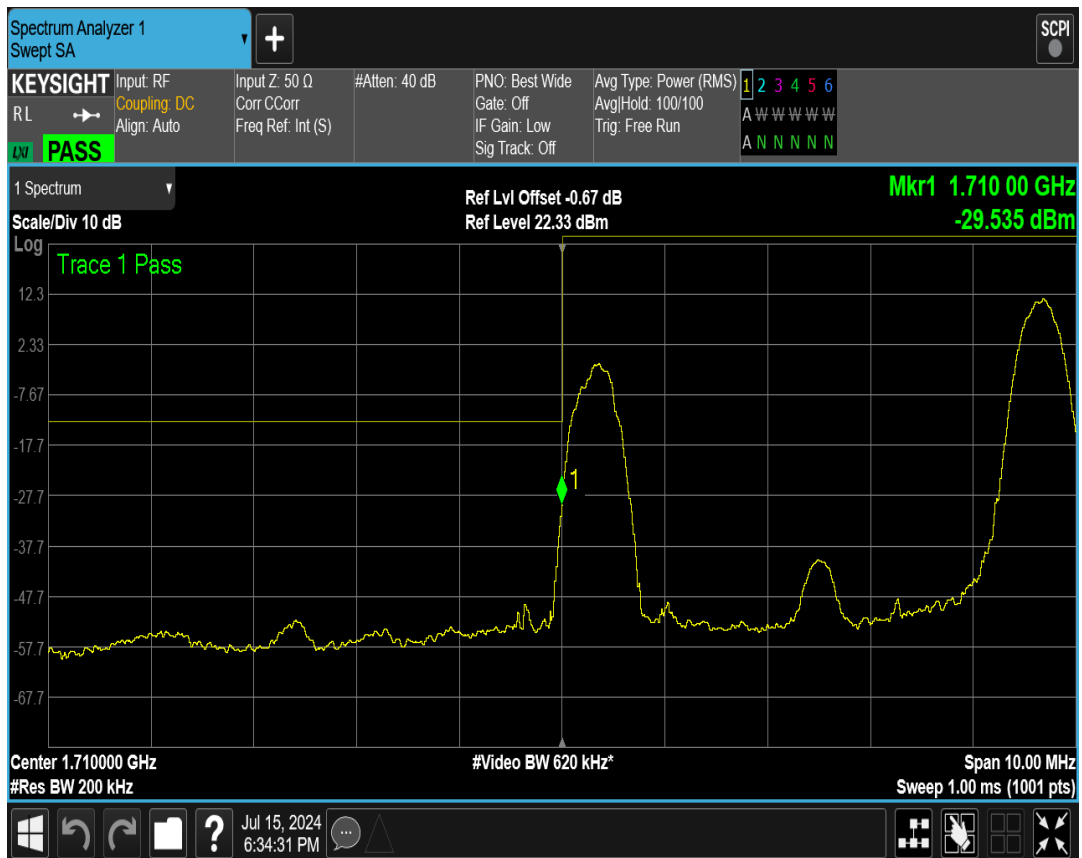
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=352000 RB=216@0



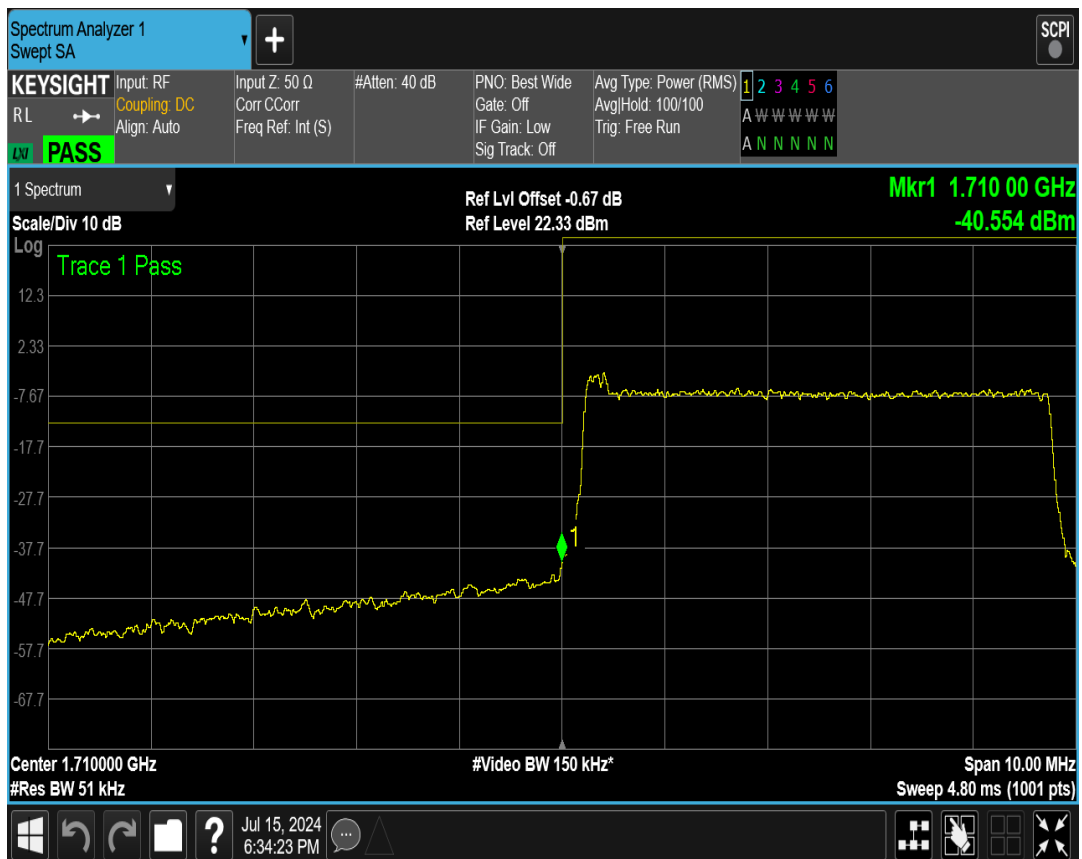
n66 SCS=15kHz CP_QPSK BW=5MHz Channel=342500 RB=1@0



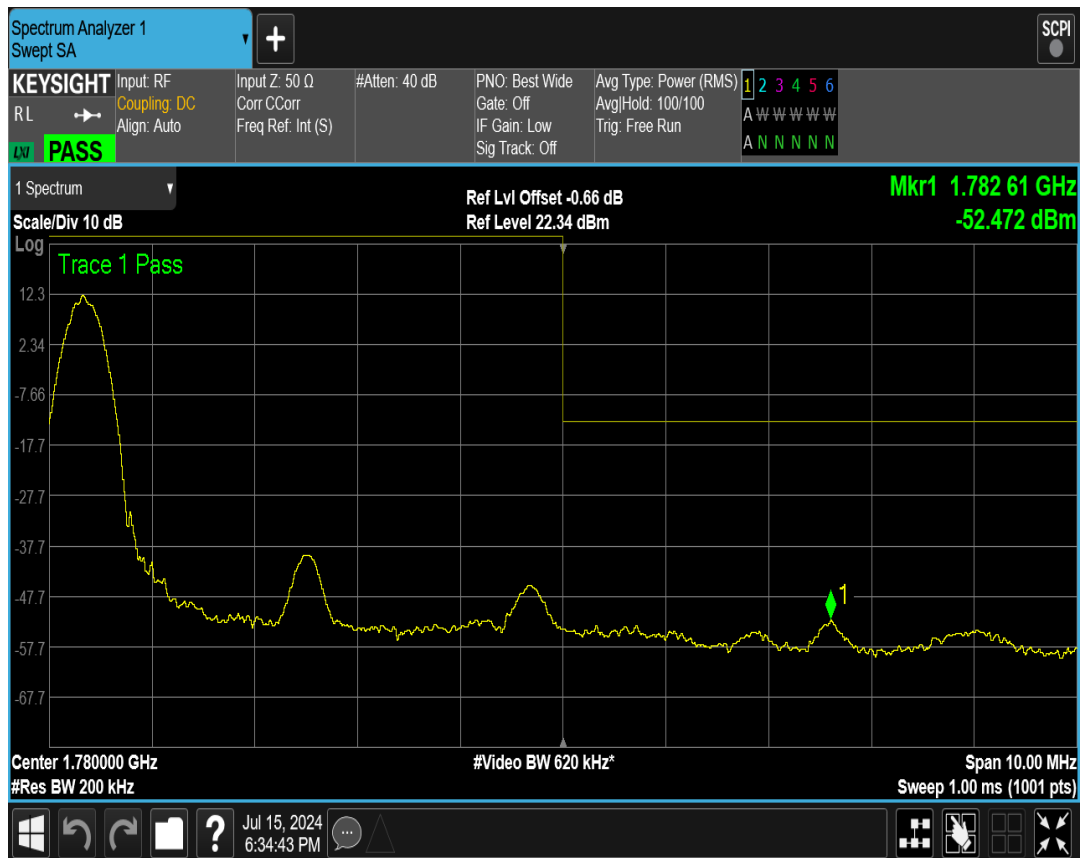
n66 SCS=15kHz CP_QPSK BW=5MHz Channel=342500 RB=1@24



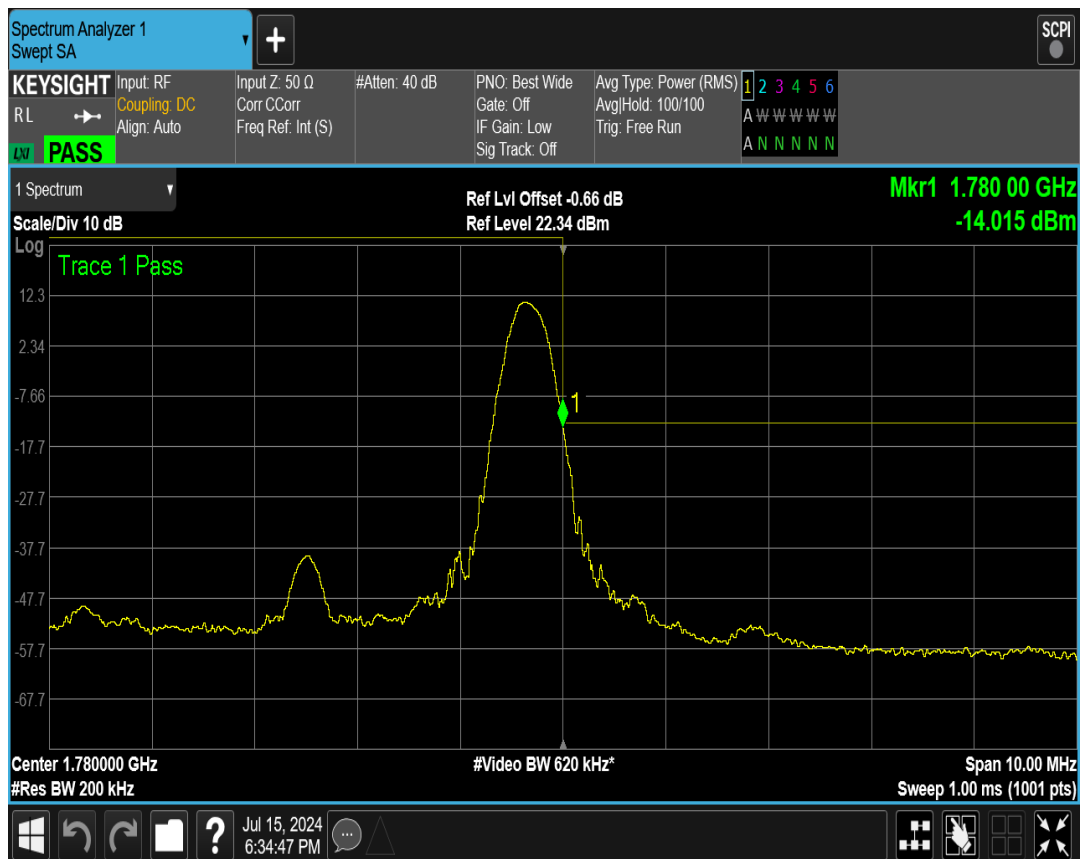
n66 SCS=15kHz CP_QPSK BW=5MHz Channel=342500 RB=25@0



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



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



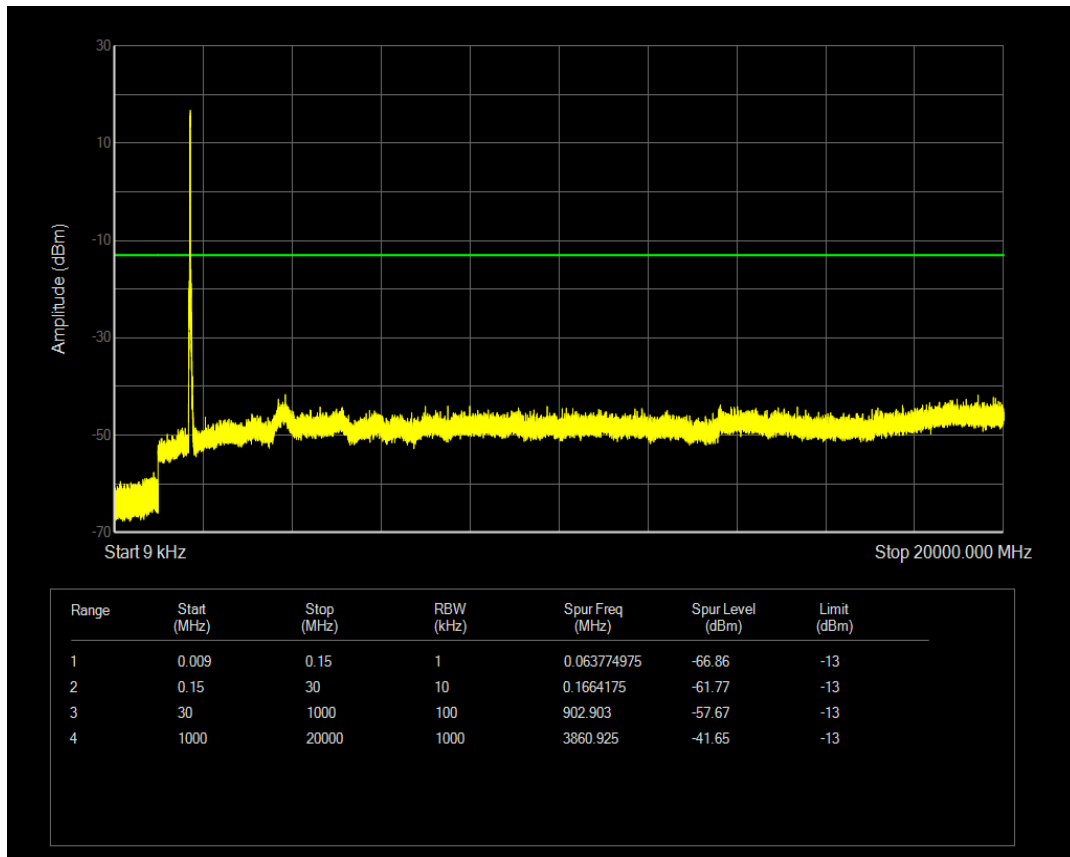
n66 SCS=15kHz CP_QPSK BW=5MHz Channel=355500 RB=25@0

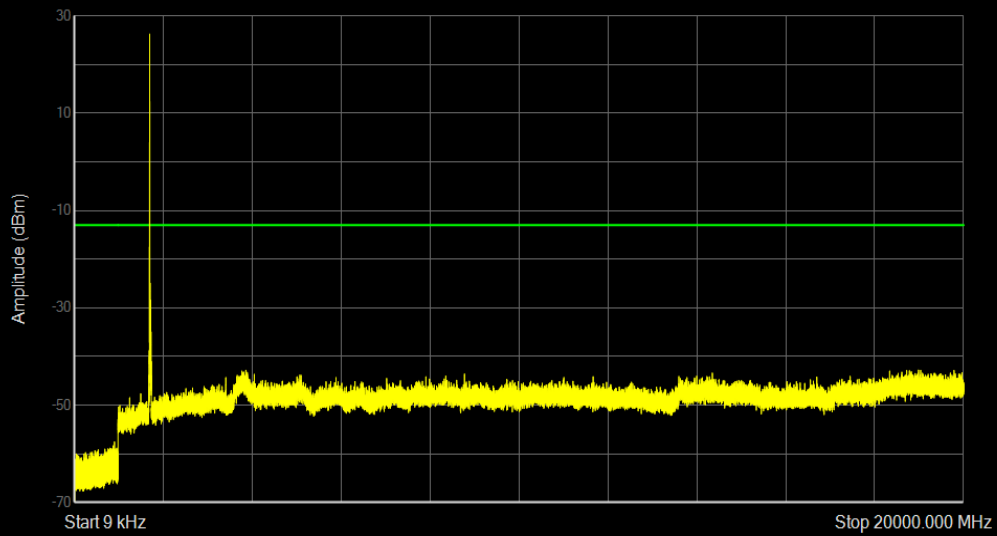


6 Out-of-band emissions for NR FR1

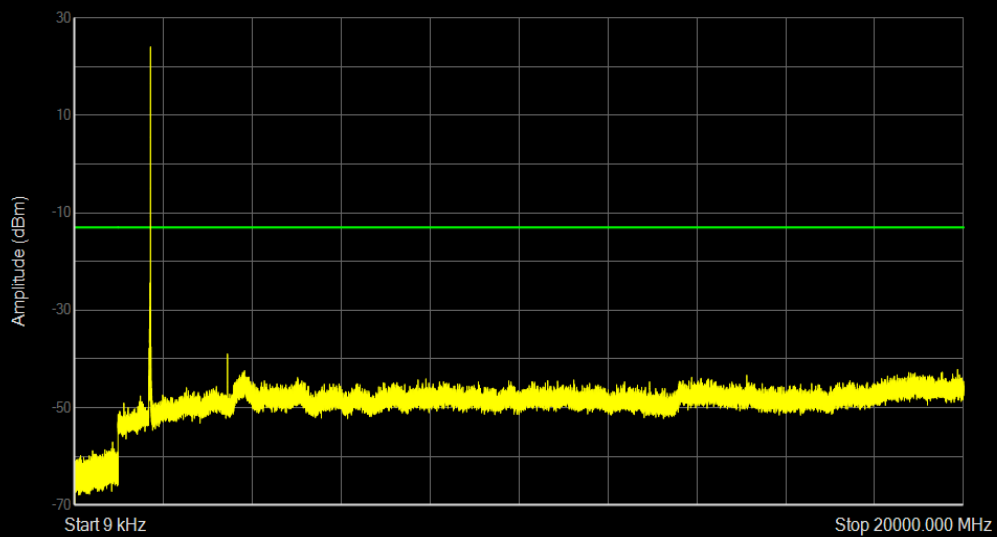
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n66	15	5	342500	25@0	CP_QPSK	18834.83	-42.77	-13	PASS
n66	15	5	342500	1@0	CP_QPSK	18818.20	-42.03	-13	PASS
n66	15	5	342500	1@24	CP_QPSK	18523.70	-42.47	-13	PASS
n66	15	5	355500	25@0	CP_QPSK	3907.48	-41.67	-13	PASS
n66	15	5	355500	1@0	CP_QPSK	3550.75	-41.54	-13	PASS
n66	15	5	355500	1@24	CP_QPSK	3559.30	-40.90	-13	PASS
n66	15	20	344000	106@0	CP_QPSK	3860.93	-41.65	-13	PASS
n66	15	20	344000	1@0	CP_QPSK	18985.40	-42.78	-13	PASS
n66	15	20	344000	1@105	CP_QPSK	3459.08	-38.98	-13	PASS
n66	15	20	354000	106@0	CP_QPSK	3857.60	-42.35	-13	PASS
n66	15	20	354000	1@0	CP_QPSK	18860.00	-42.44	-13	PASS
n66	15	20	354000	1@105	CP_QPSK	3559.30	-42.21	-13	PASS
n66	15	40	346000	216@0	CP_QPSK	18776.40	-41.83	-13	PASS
n66	15	40	346000	1@0	CP_QPSK	19451.38	-42.24	-13	PASS
n66	15	40	346000	1@215	CP_QPSK	3820.08	-41.48	-13	PASS
n66	15	40	352000	216@0	CP_QPSK	19420.03	-41.50	-13	PASS
n66	15	40	352000	1@0	CP_QPSK	18388.33	-42.34	-13	PASS
n66	15	40	352000	1@215	CP_QPSK	19923.53	-41.86	-13	PASS

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

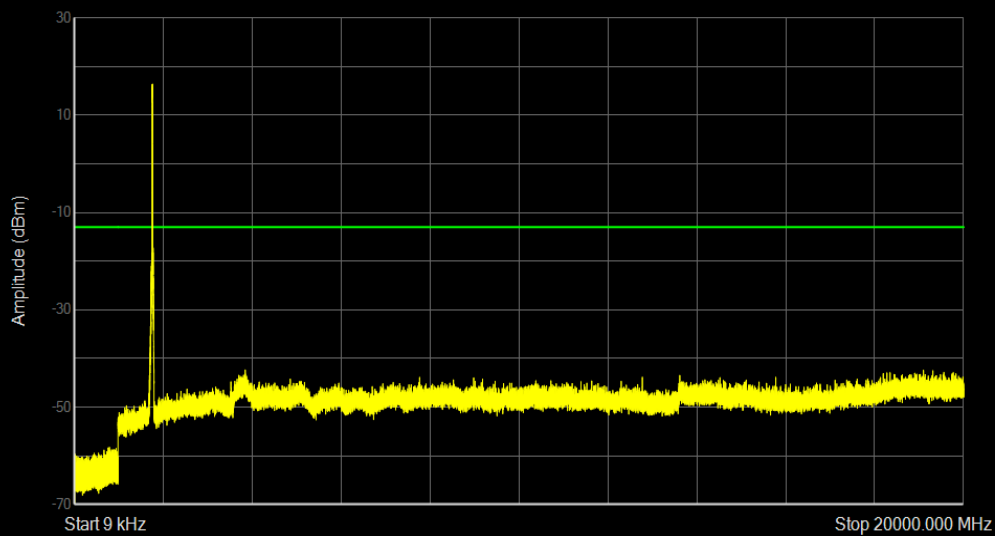


n66 SCS=15kHz CP_QPSK BW=20MHz Channel=344000 RB=1@0

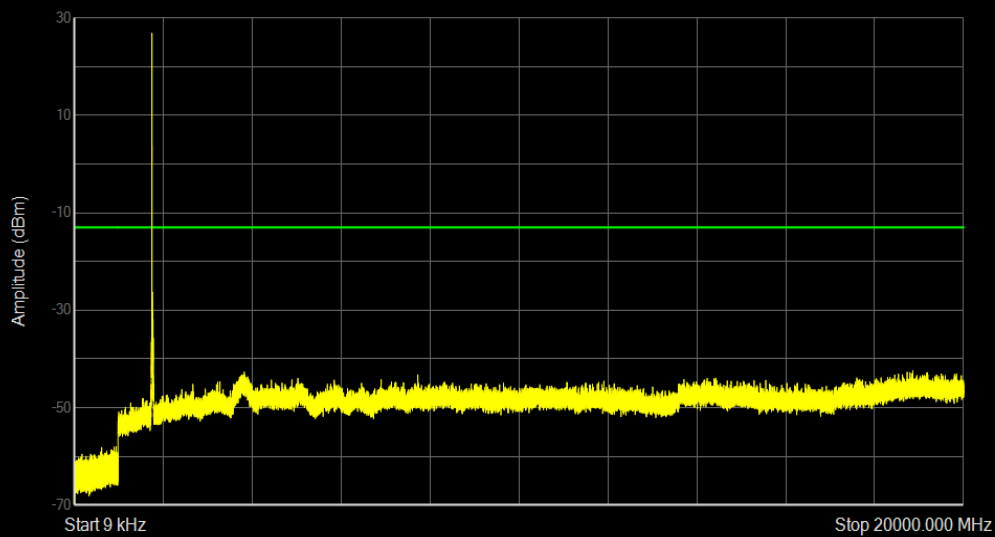
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.03324495	-65.24	-13
2	0.15	30	10	0.15820875	-60.51	-13
3	30	1000	100	918.64125	-57.58	-13
4	1000	20000	1000	18985.4	-42.78	-13

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	0.063556425	-66.66	-13
2	0.15	30	10	0.16268625	-60.81	-13
3	30	1000	100	877.46475	-57.07	-13
4	1000	20000	1000	3459.075	-38.98	-13

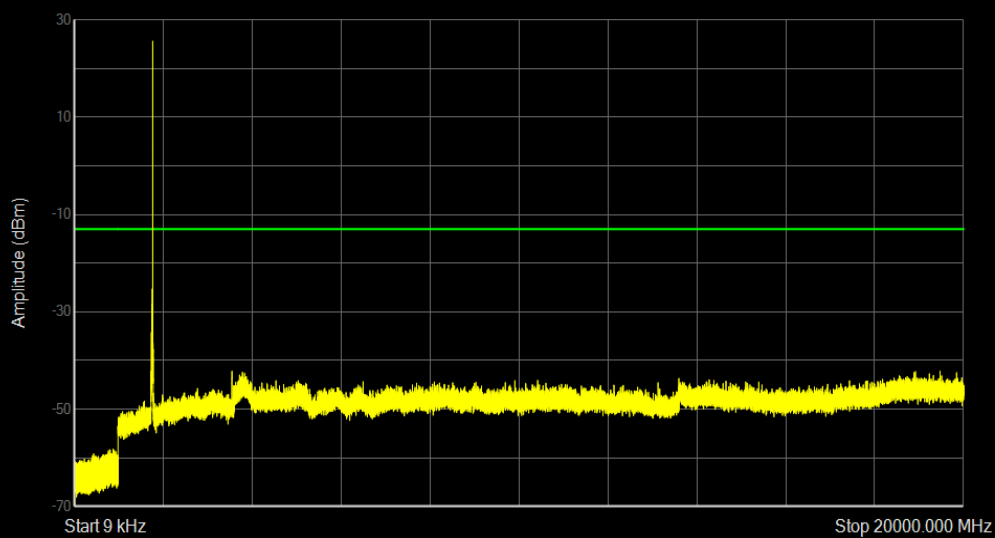
n66 SCS=15kHz CP_QPSK BW=20MHz Channel=354000 RB=106@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06341895	-66.62	-13
2	0.15	30	10	0.152985	-60.22	-13
3	30	1000	100	806.65475	-58.26	-13
4	1000	20000	1000	3857.6	-42.35	-13

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

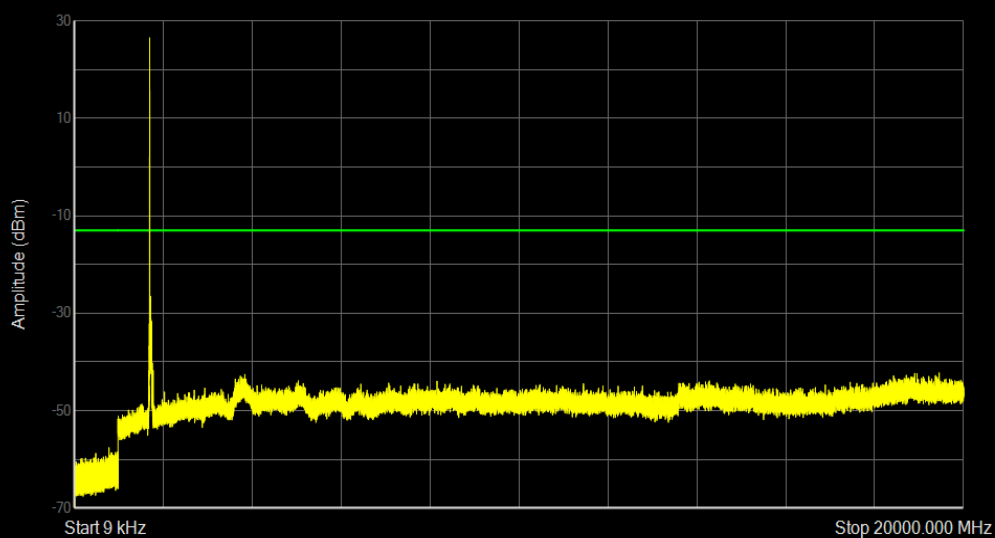
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.063500025	-66.27	-13
2	0.15	30	10	0.1544775	-60.78	-13
3	30	1000	100	959.3085	-57.98	-13
4	1000	20000	1000	18860	-42.44	-13

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

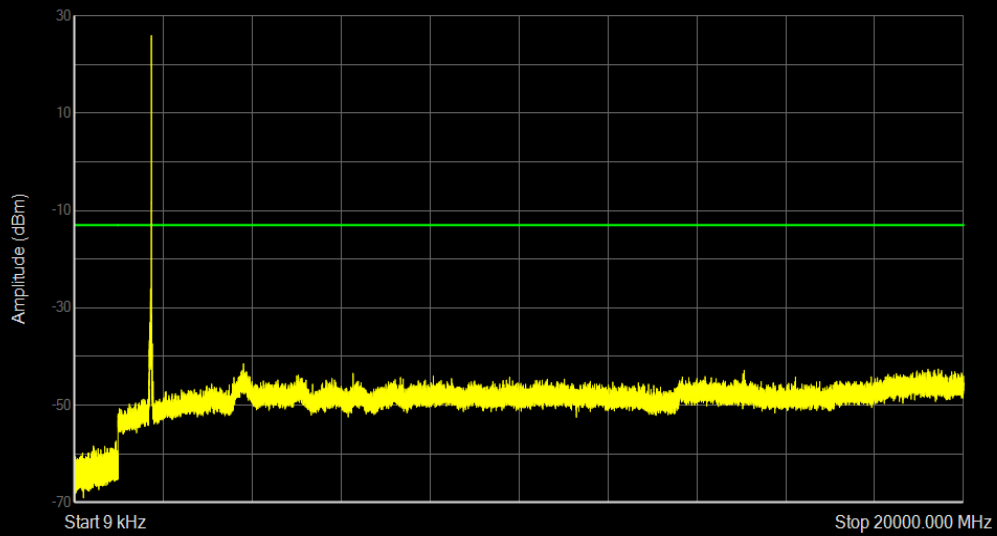


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.063612825	-65.27	-13
2	0.15	30	10	0.1514925	-61.13	-13
3	30	1000	100	889.808	-58.2	-13
4	1000	20000	1000	3559.3	-42.21	-13

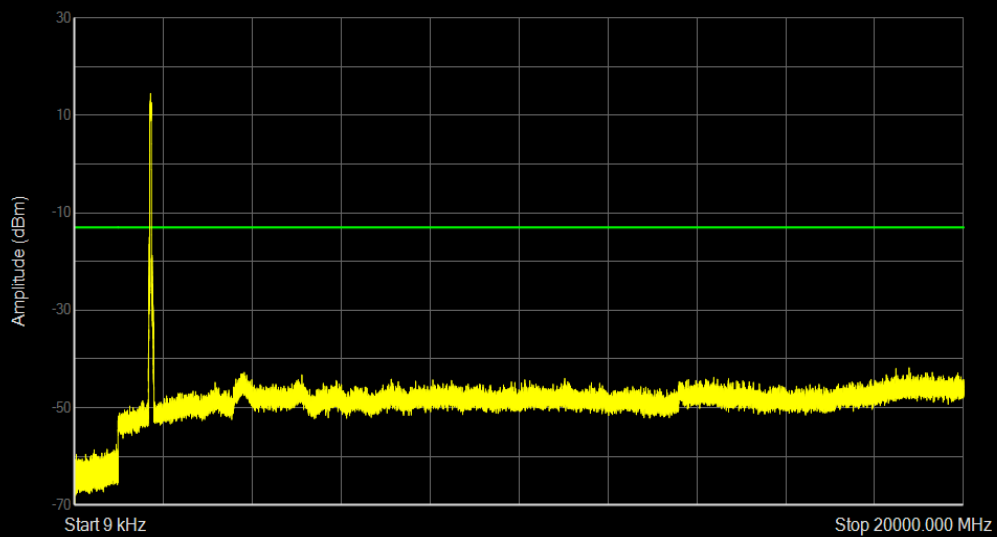
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=346000 RB=1@0



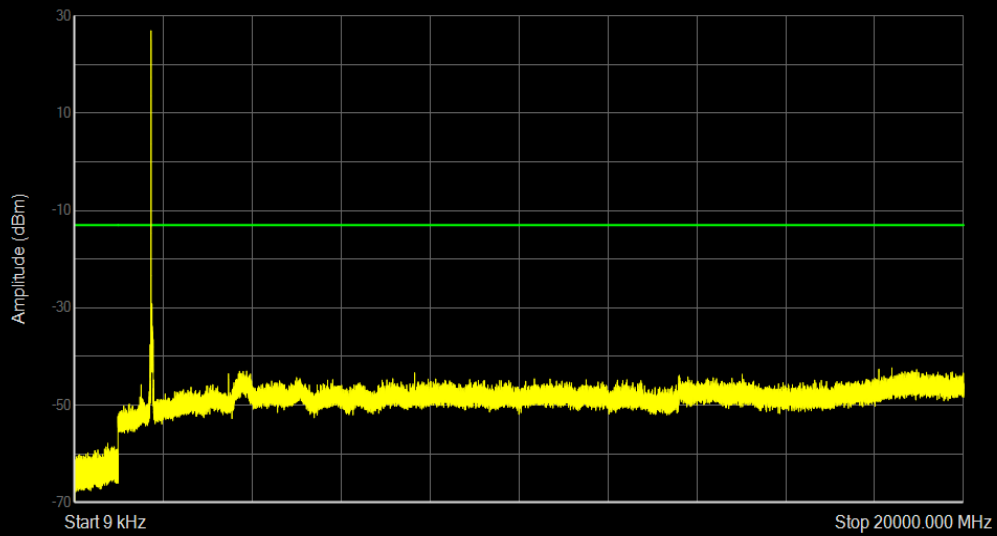
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06370095	-65.8	-13
2	0.15	30	10	0.20149125	-60.58	-13
3	30	1000	100	796.27575	-57.61	-13
4	1000	20000	1000	19451.375	-42.24	-13

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

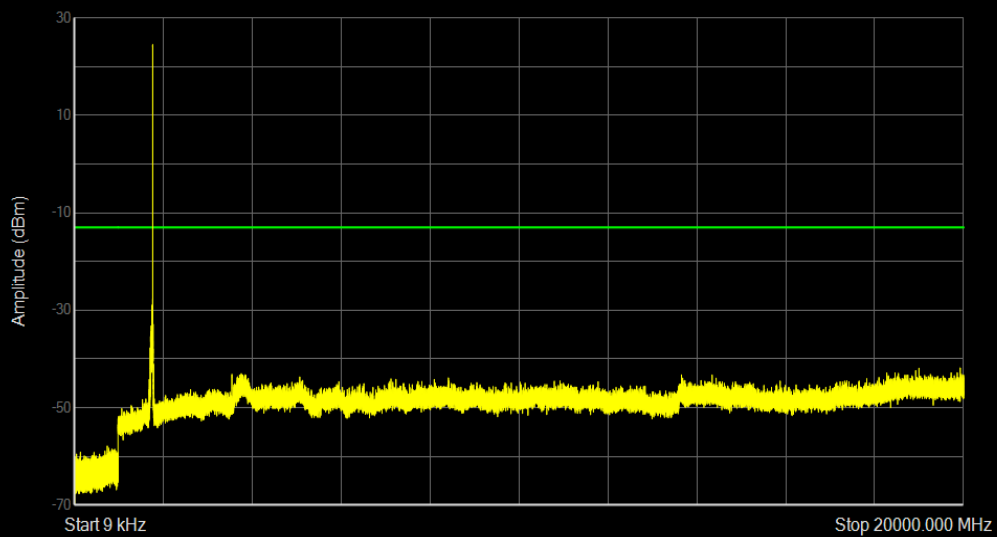
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.063316725	-65.75	-13
2	0.15	30	10	0.18805875	-58.99	-13
3	30	1000	100	953.94925	-57.4	-13
4	1000	20000	1000	3820.075	-41.48	-13

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	0.063767925	-66.28	-13
2	0.15	30	10	0.21193875	-61.55	-13
3	30	1000	100	958.89625	-57.57	-13
4	1000	20000	1000	18776.4	-41.83	-13

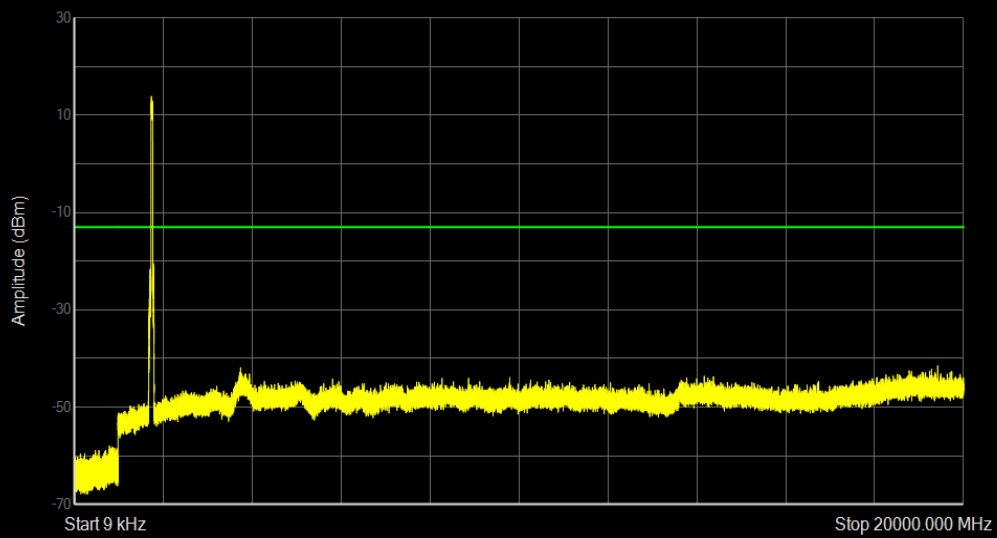
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=352000 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0637644	-65.95	-13
2	0.15	30	10	0.16194	-62.18	-13
3	30	1000	100	770.27975	-57.87	-13
4	1000	20000	1000	18388.325	-42.34	-13

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

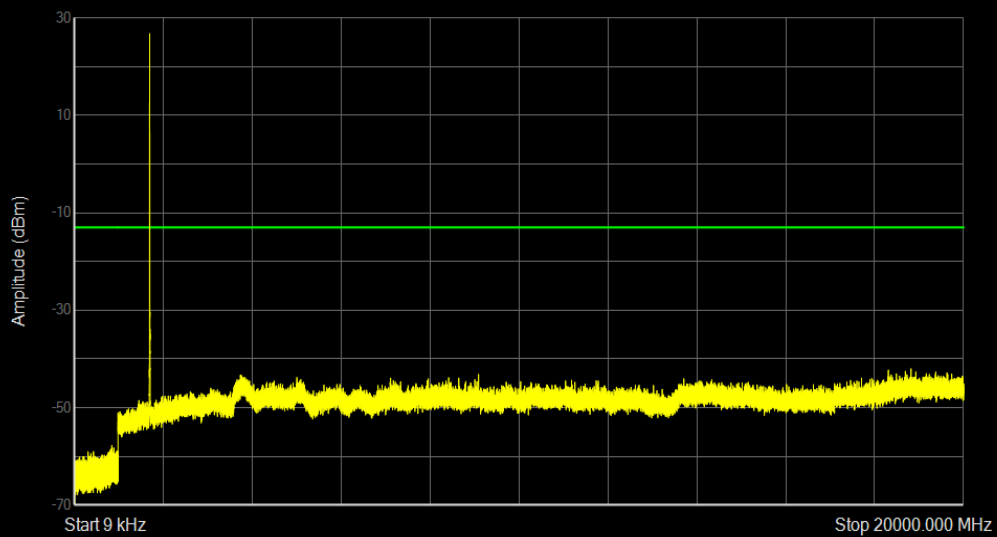
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0636798	-65.99	-13
2	0.15	30	10	0.152985	-61.27	-13
3	30	1000	100	758.44575	-57.89	-13
4	1000	20000	1000	19923.525	-41.86	-13

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

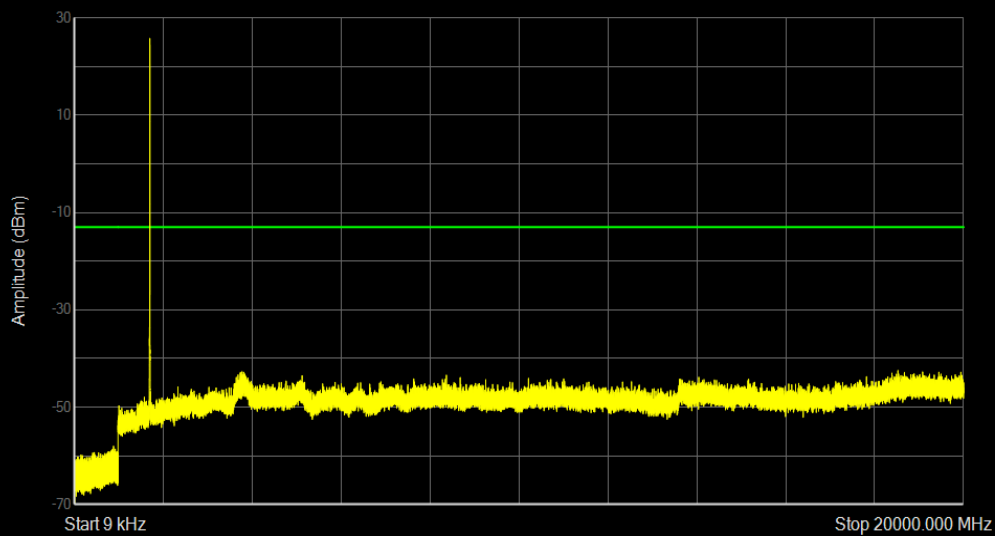


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.143002875	-66.2	-13
2	0.15	30	10	0.18208875	-60.45	-13
3	30	1000	100	807.96425	-57.99	-13
4	1000	20000	1000	19420.025	-41.5	-13

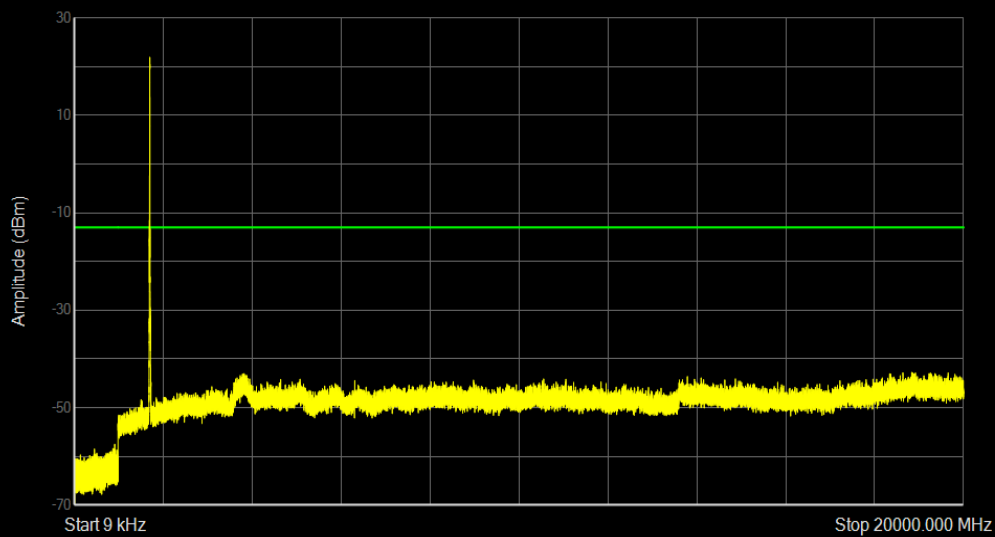
n66 SCS=15kHz CP_QPSK BW=5MHz Channel=342500 RB=1@0



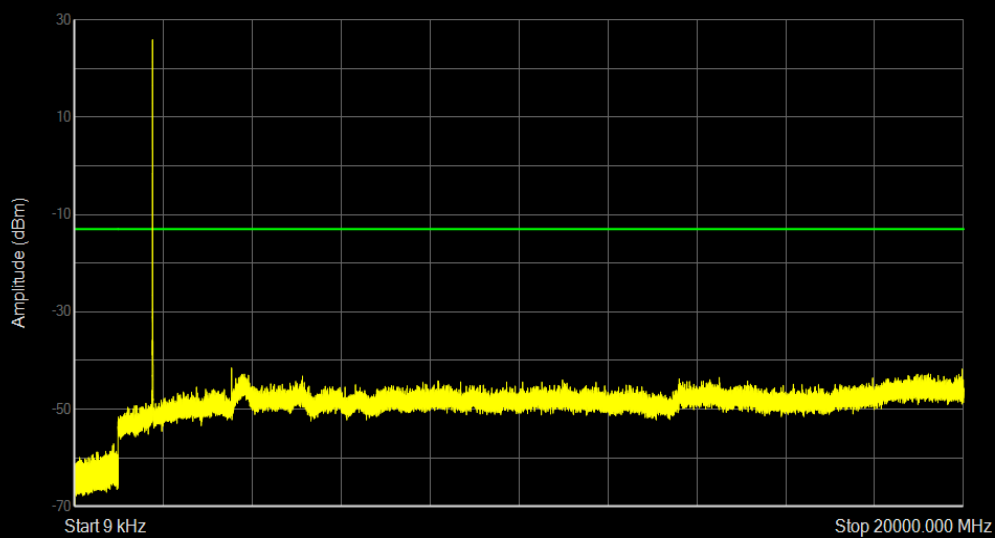
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.063824325	-67.07	-13
2	0.15	30	10	0.18059625	-61.56	-13
3	30	1000	100	859.81075	-57.81	-13
4	1000	20000	1000	18818.2	-42.03	-13

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

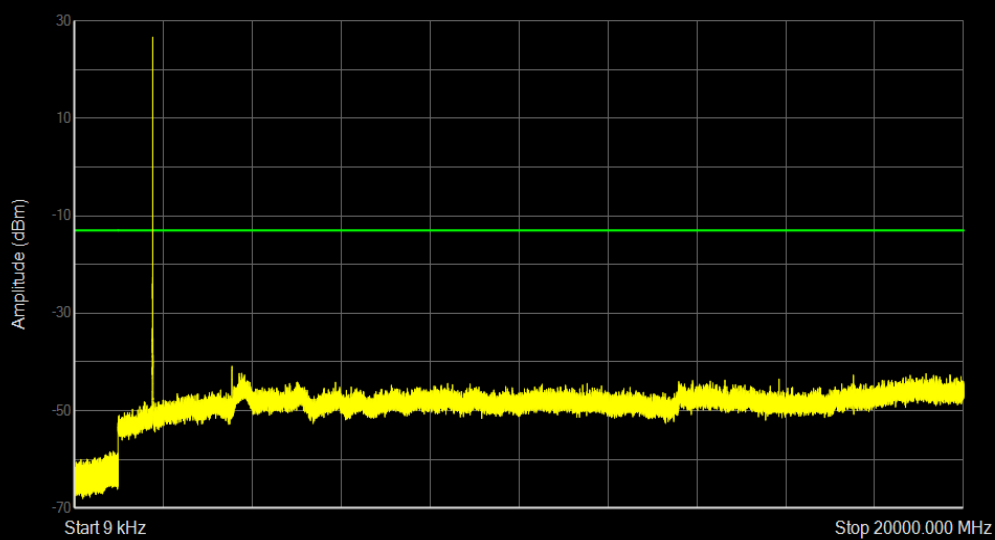
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.063894825	-64.67	-13
2	0.15	30	10	0.15970125	-61.41	-13
3	30	1000	100	898.41675	-58.07	-13
4	1000	20000	1000	18523.7	-42.47	-13

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	0.063302625	-66.94	-13
2	0.15	30	10	0.15074625	-59.85	-13
3	30	1000	100	925.47975	-57.52	-13
4	1000	20000	1000	18834.825	-42.77	-13

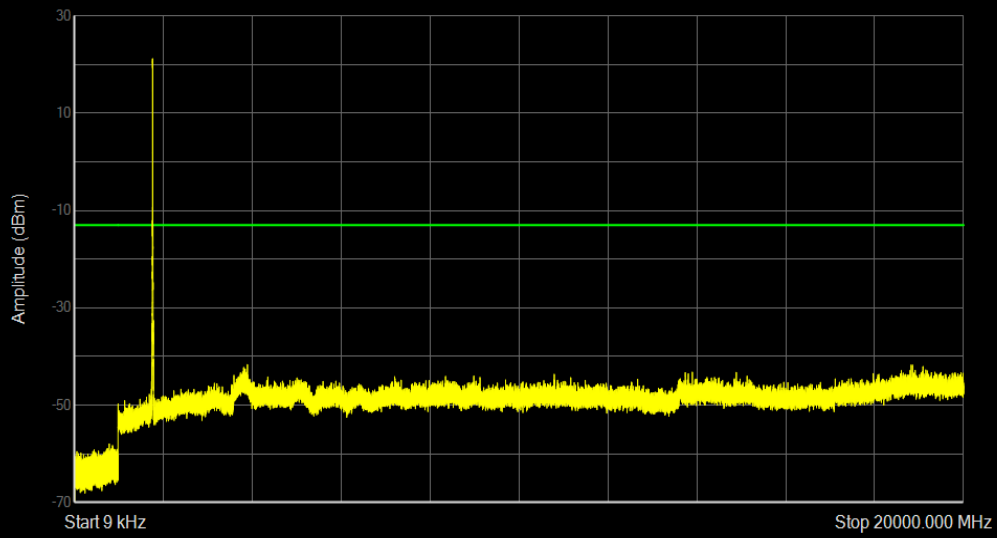
n66 SCS=15kHz CP_QPSK BW=5MHz Channel=355500 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.07640505	-66.51	-13
2	0.15	30	10	0.15223875	-60.87	-13
3	30	1000	100	900.8175	-57.13	-13
4	1000	20000	1000	3550.75	-41.54	-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	0.063549375	-66.53	-13
2	0.15	30	10	0.15373125	-60.72	-13
3	30	1000	100	894.19725	-58.37	-13
4	1000	20000	1000	3559.3	-40.9	-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	0.063359025	-67.43	-13
2	0.15	30	10	0.152985	-59.82	-13
3	30	1000	100	801.538	-57.98	-13
4	1000	20000	1000	3907.475	-41.67	-13