



n77(3450-3550) SCS=30kHz DFT_QAM256 BW=40MHz Channel=633334 RB=100@0



n77(3450-3550) SCS=30kHz DFT_QAM256 BW=90MHz Channel=633334 RB=240@0



n77(3450-3550) SCS=30kHz DFT_QAM256 BW=80MHz Channel=633334 RB=216 @0



n77(3450-3550) SCS=30kHz DFT_QAM256 BW=60MHz Channel=633334 RB=162 @0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=10MHz Channel=633334 RB=24@0



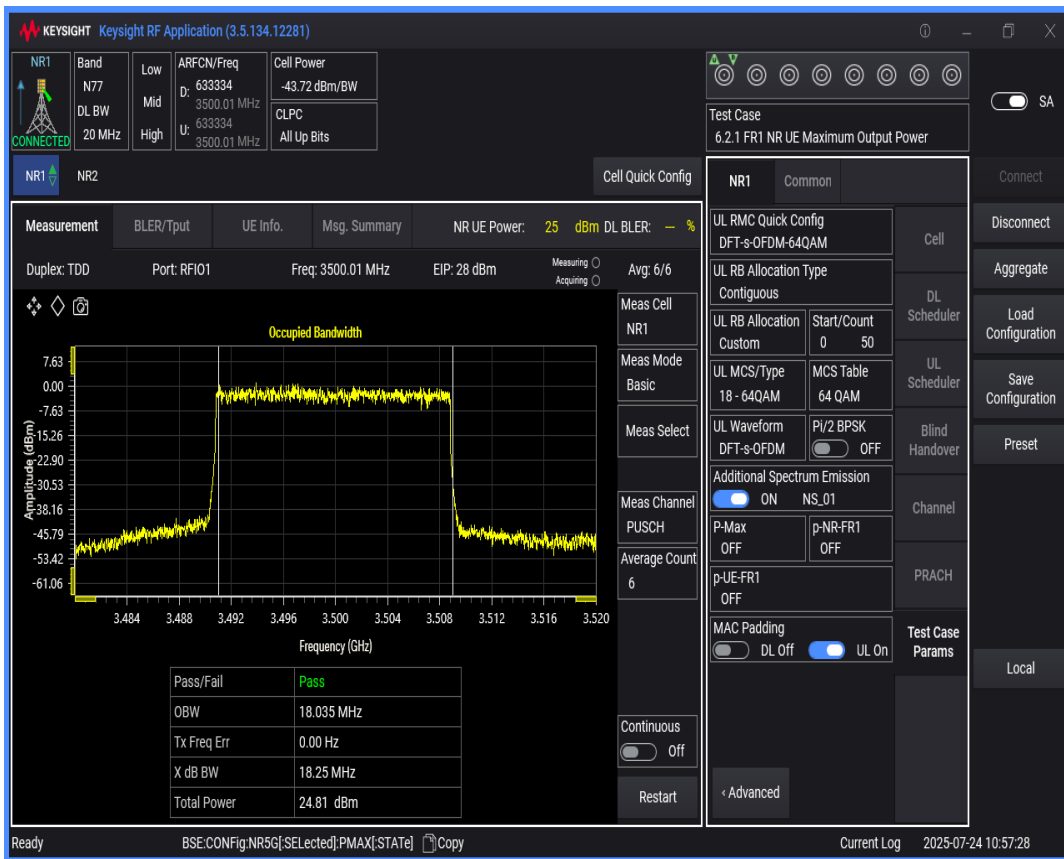
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n77(3450-3550) SCS=30kHz DFT_QAM64 BW=15MHz Channel=633334 RB=36@0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=20MHz Channel=633334 RB=50@0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=40MHz Channel=633334 RB=100@0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=30MHz Channel=633334 RB=75@0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=60MHz Channel=633334 RB=162 @0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=50MHz Channel=633334 RB=128 @0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=80MHz Channel=633334 RB=216@0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=10MHz Channel=633334 RB=24@0



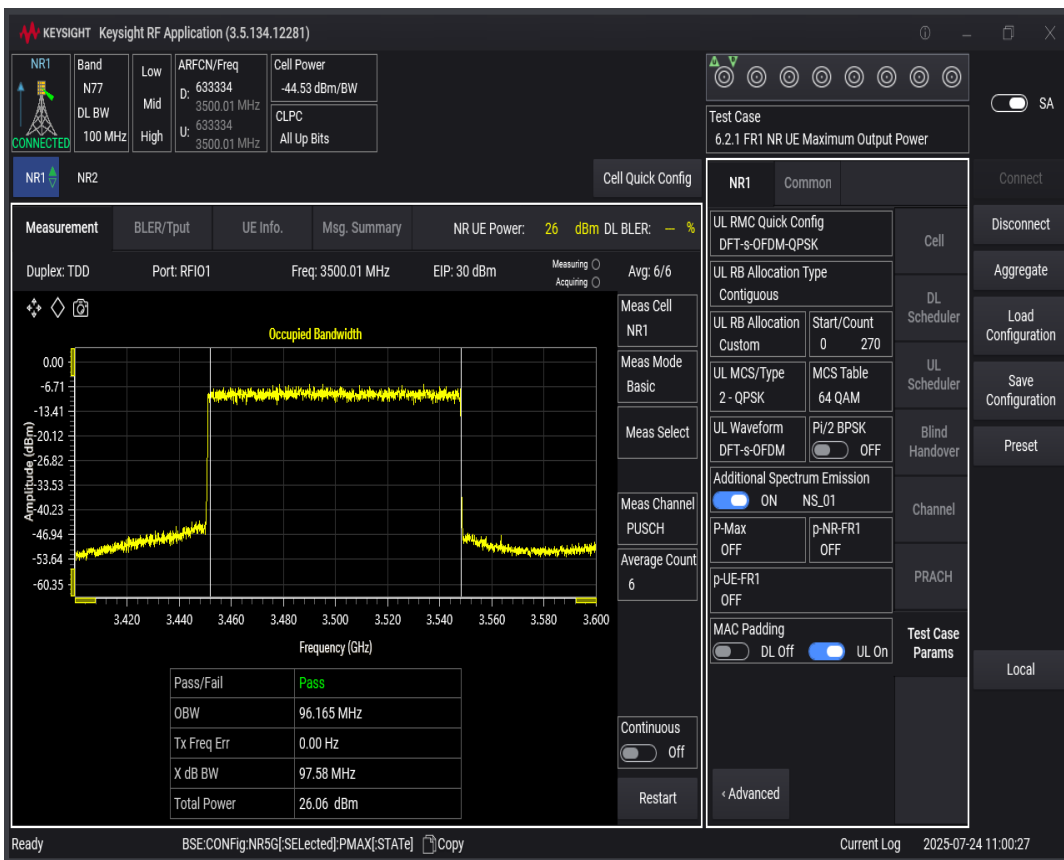
n77(3450-3550) SCS=30kHz DFT_QPSK BW=15MHz Channel=633334 RB=36 @0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=90MHz Channel=633334 RB=240 @0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=100MHz Channel=633334 RB=270@0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=50MHz Channel=633334 RB=128@0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=60MHz Channel=633334 RB=162@0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=80MHz Channel=633334 RB=216@0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=20MHz Channel=633334 RB=50 @0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=30MHz Channel=633334 RB=75 @0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=40MHz Channel=633334 RB=100@0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=90MHz Channel=633334 RB=240@0

KEYSIGHT Keysight RF Application (3.5.134.12281)

NR1	Band N77	Low	ARFCN/Freq D: 633334	Cell Power -44.48 dBm/BW
	DL BW 90 MHz	Mid	U: 633334	CLPC All Up Bits

NR1 **CONNECTED** NR2

Test Case: 6.2.1 FR1 NR UE Maximum Output Power

NR1 Common

UL RMC Quick Config: DFT-s-OFDM-QPSK

UL RB Allocation Type: Contiguous

UL RB Allocation: Custom Start/Count: 0 240

UL MCS/Table: 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

p-UE-FR1: OFF

MAC Padding: DL Off UL On

Meas Cell: NR1

Meas Mode: Basic

Meas Channel: PUSCH

Average Count: 6

Continuous: Off

Restart

Occupied Bandwidth

Pass/Fail	Pass
OBW	86.439 MHz
Tx Freq Err	0.00 Hz
X dB BW	86.77 MHz
Total Power	26.05 dBm

NR UE Power: 22 dBm DL BLER: - %

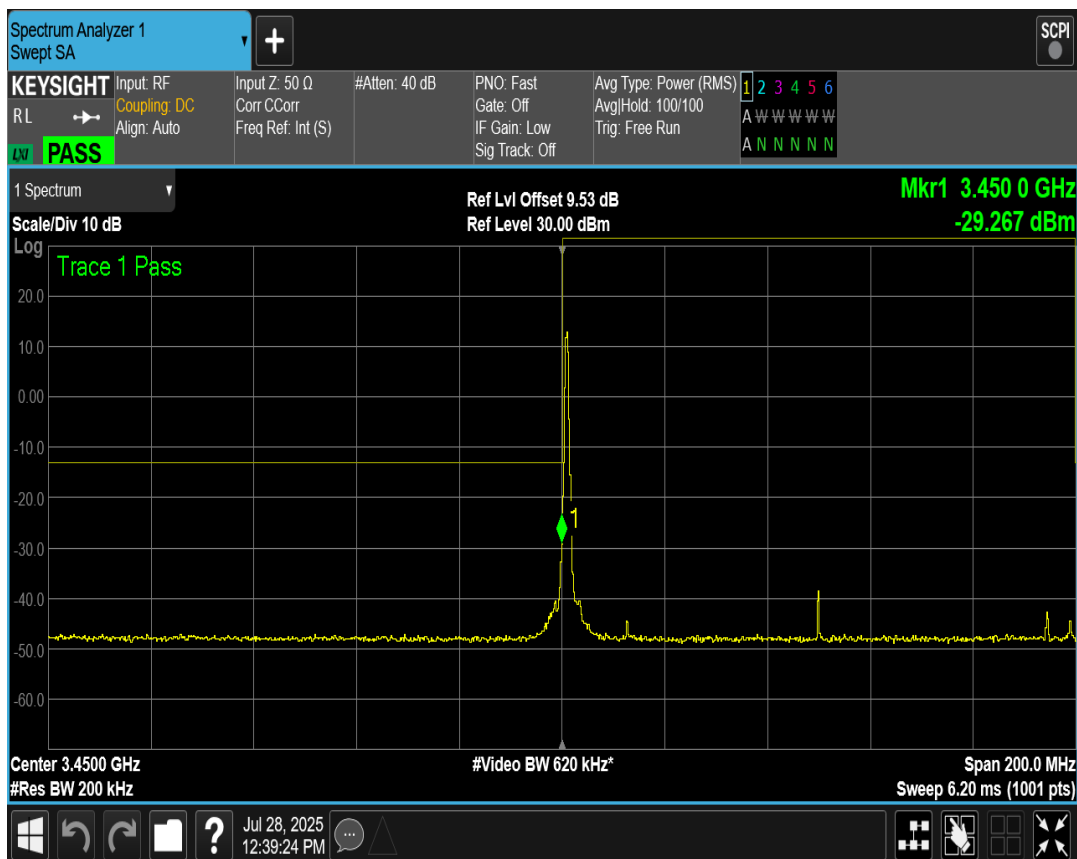
Duplex: TDD Port: RFIO1 Freq: 3500.01 MHz EIP: 26 dBm Avg: 6/6

Ready BSE.CONFIG:NR5G[Selected],P:MAX[STATE] Copy Current Log 2025-07-24 10:59:57

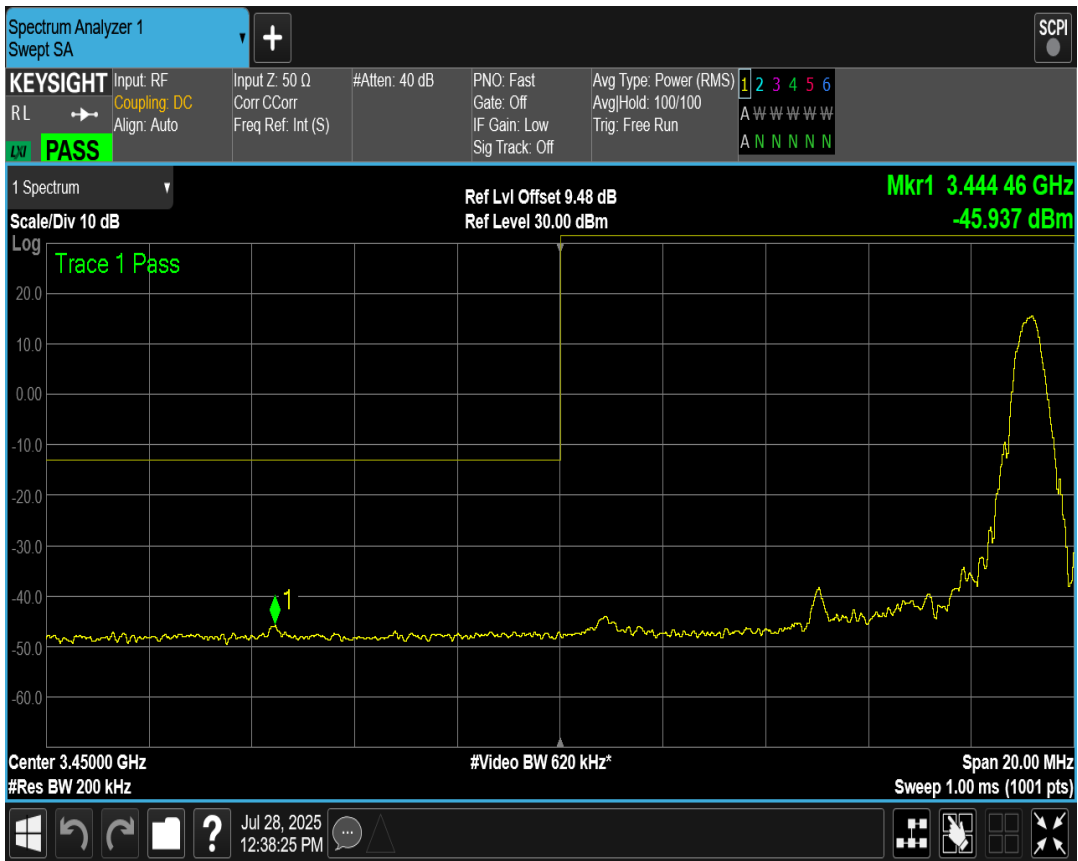
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n77(3450-3550)	30	10	630334	24@0	CP_QPSK	3449.92	-38.08	-13	PASS
n77(3450-3550)	30	10	630334	1@0	CP_QPSK	3449.96	-32.98	-13	PASS
n77(3450-3550)	30	10	630334	1@23	CP_QPSK	3444.46	-45.93	-13	PASS
n77(3450-3550)	30	10	636332	24@0	CP_QPSK	3550.74	-40.56	-13	PASS
n77(3450-3550)	30	10	636332	1@0	CP_QPSK	3555.62	-45.53	-13	PASS
n77(3450-3550)	30	10	636332	1@23	CP_QPSK	3550.34	-37.33	-13	PASS
n77(3450-3550)	30	50	631668	133@0	CP_QPSK	3447.20	-38.99	-13	PASS
n77(3450-3550)	30	50	631668	1@0	CP_QPSK	3449.90	-36.36	-13	PASS
n77(3450-3550)	30	50	631668	1@132	CP_QPSK	3440.40	-46.86	-13	PASS
n77(3450-3550)	30	50	635000	133@0	CP_QPSK	3552.00	-37.14	-13	PASS
n77(3450-3550)	30	50	635000	1@0	CP_QPSK	3579.10	-46.94	-13	PASS
n77(3450-3550)	30	50	635000	1@132	CP_QPSK	3550.00	-33.73	-13	PASS
n77(3450-3550)	30	100	633334	273@0	CP_QPSK	3450.00	-22.83	-13	PASS
n77(3450-3550)	30	100	633334	1@0	CP_QPSK	3450.00	-29.26	-13	PASS
n77(3450-3550)	30	100	633334	1@272	CP_QPSK	3432.00	-45.89	-13	PASS

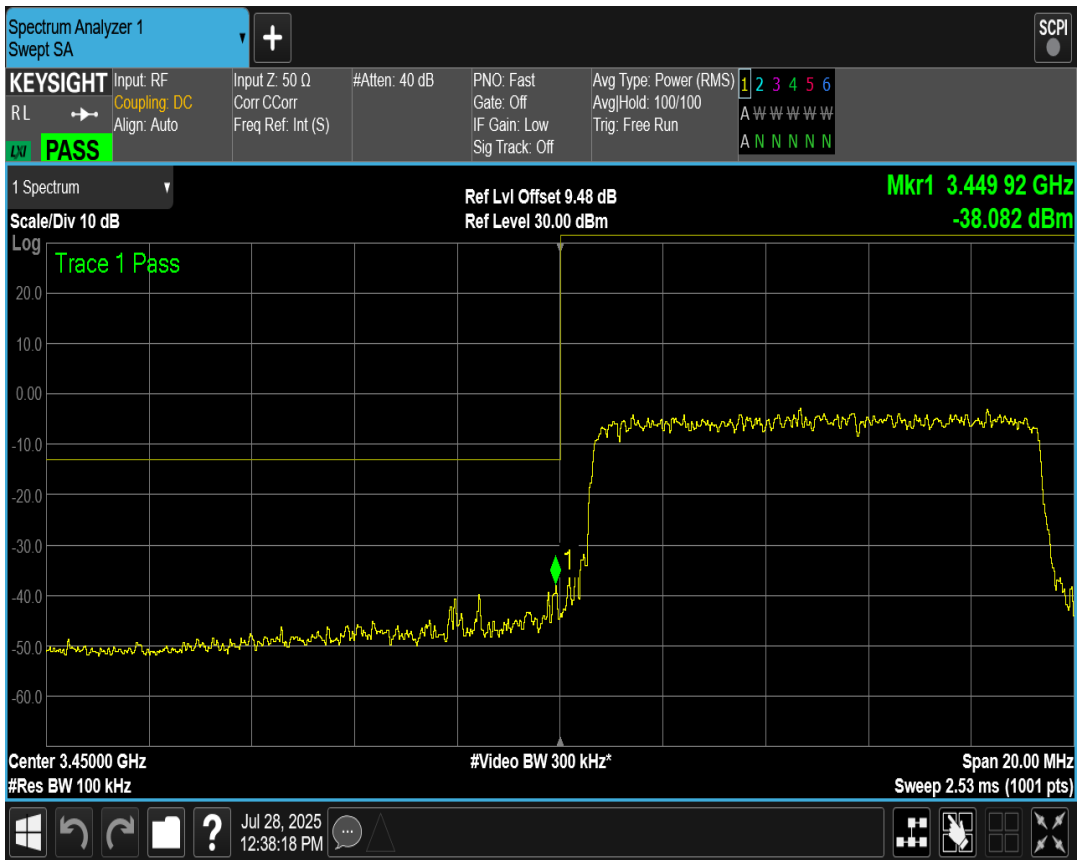
n77(3450-3550) SCS=30kHz CP_QPSK BW=100MHz Channel=633334 RB=1@0



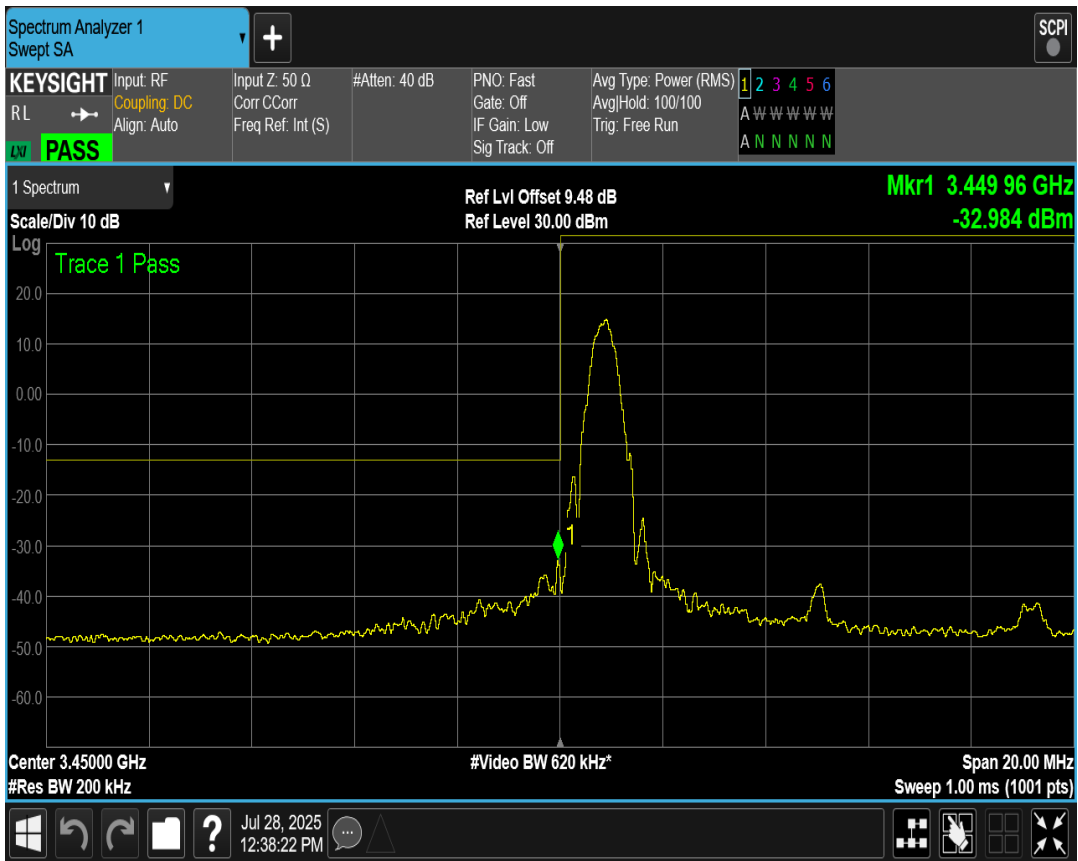
n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=630334 RB=1@23



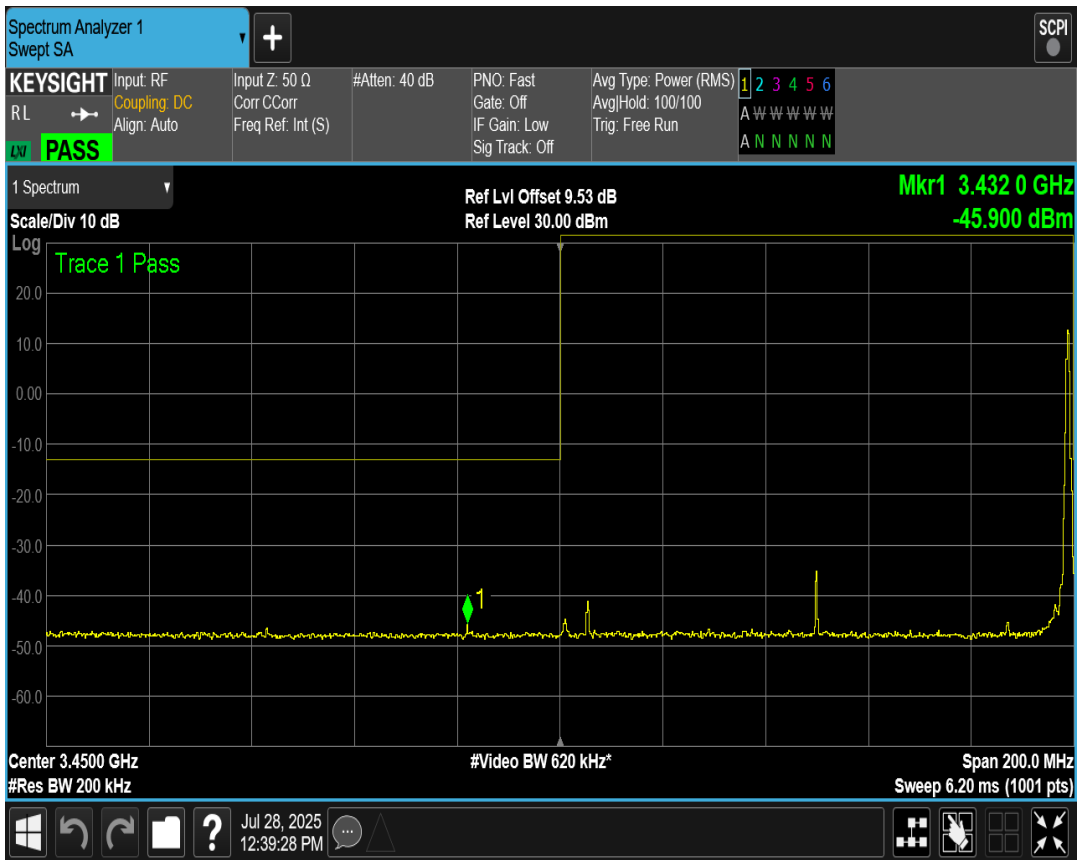
n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=630334 RB=24 @0



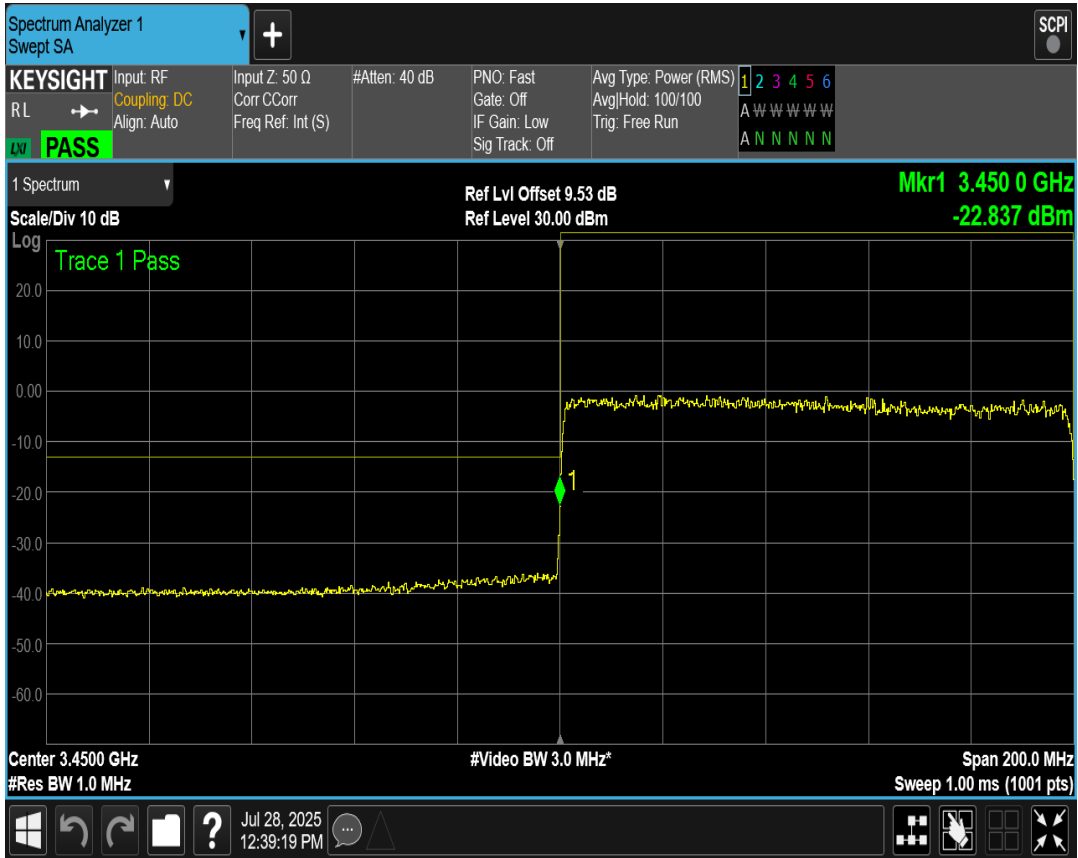
n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=630334 RB=1 @0



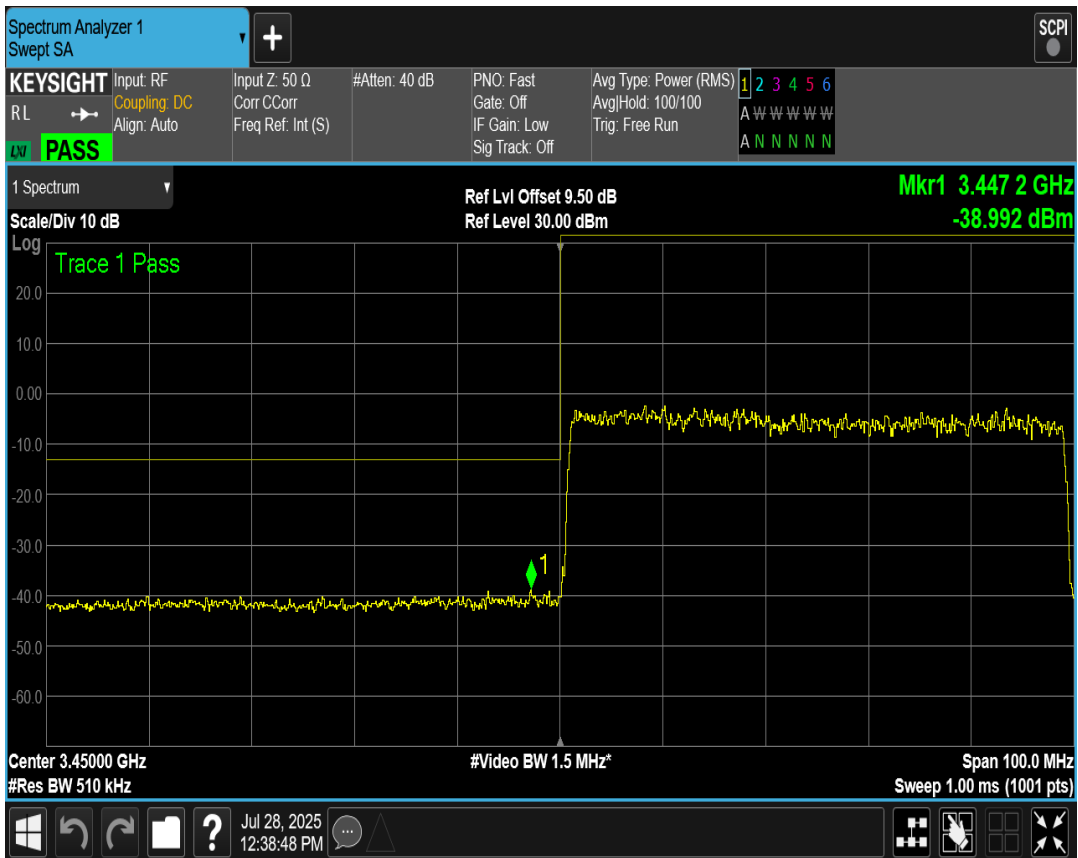
n77(3450-3550) SCS=30kHz CP_QPSK BW=100MHz Channel=633334 RB=1 @272



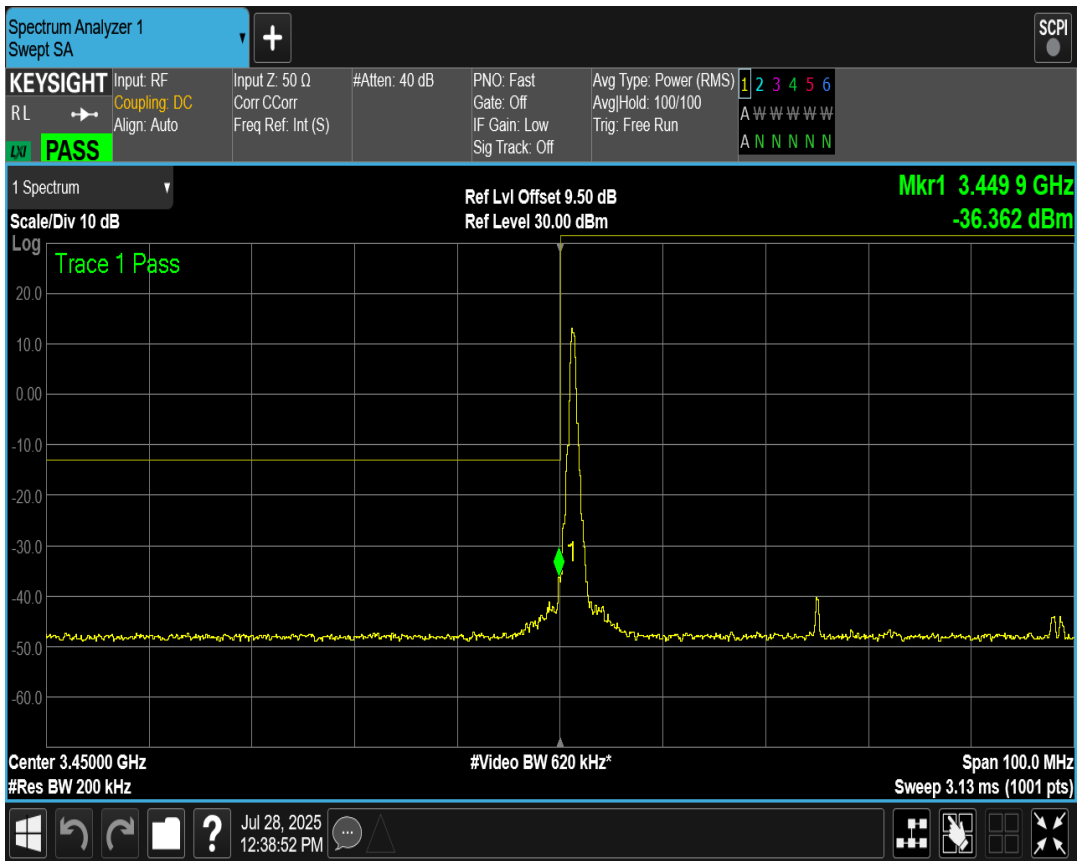
n77(3450-3550) SCS=30kHz CP_QPSK BW=100MHz Channel=633334 RB=273 @0



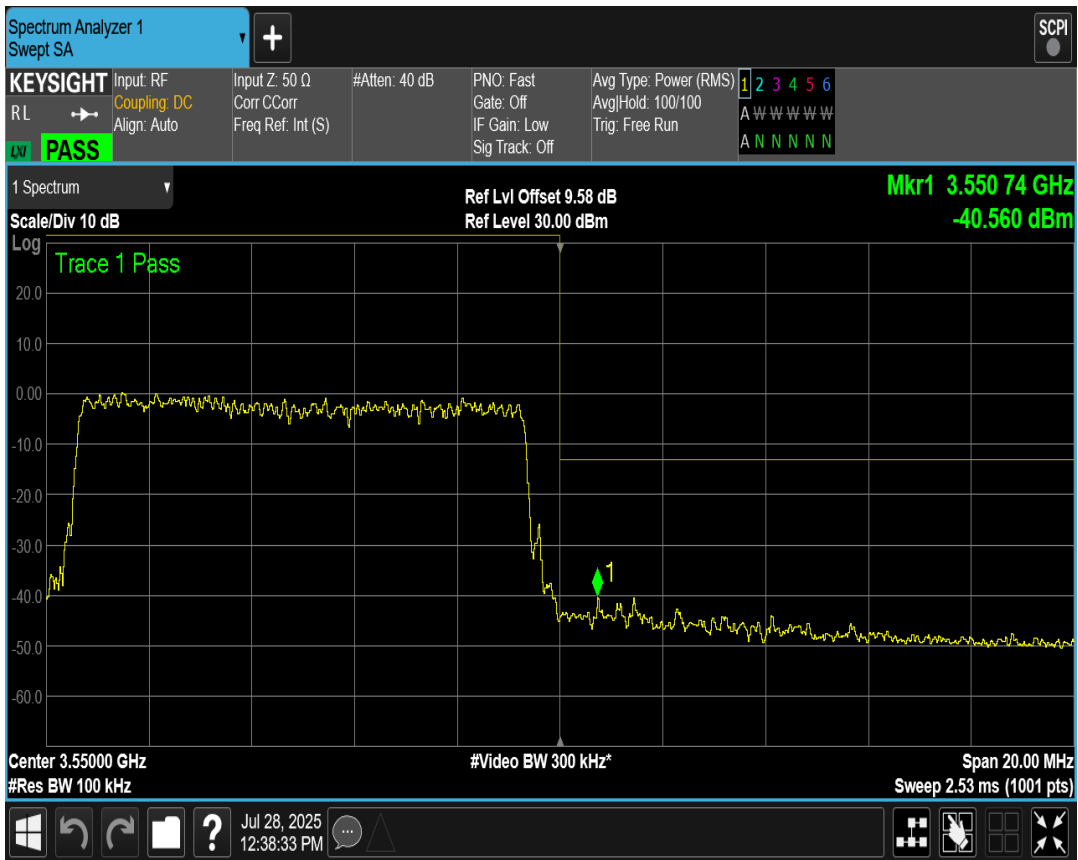
n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=631668 RB=133 @0



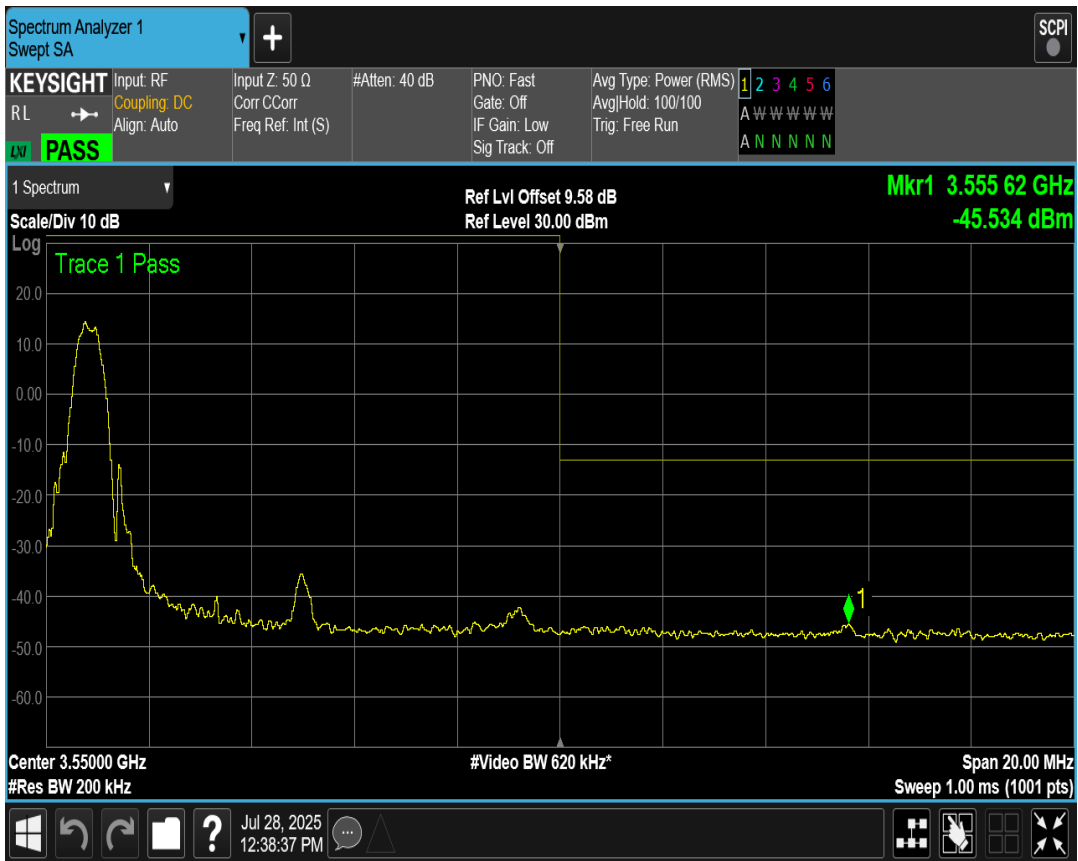
n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=631668 RB=1 @0



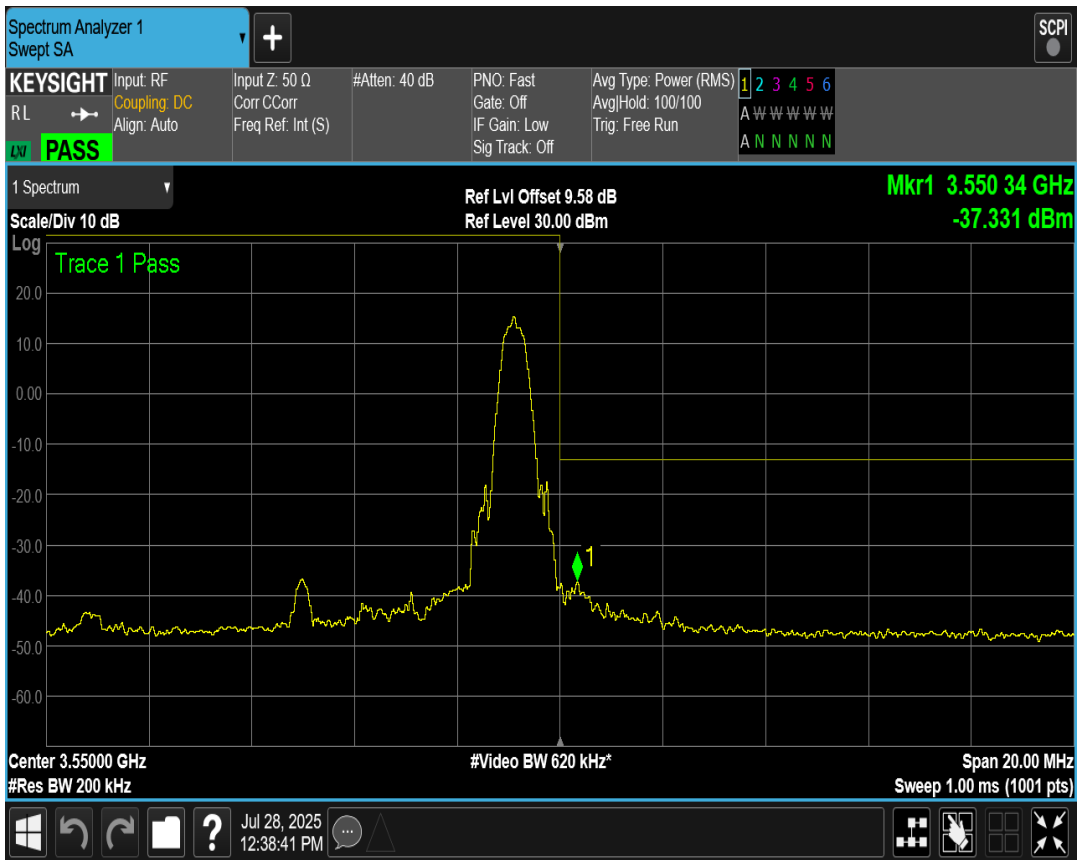
n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=636332 RB=24 @0



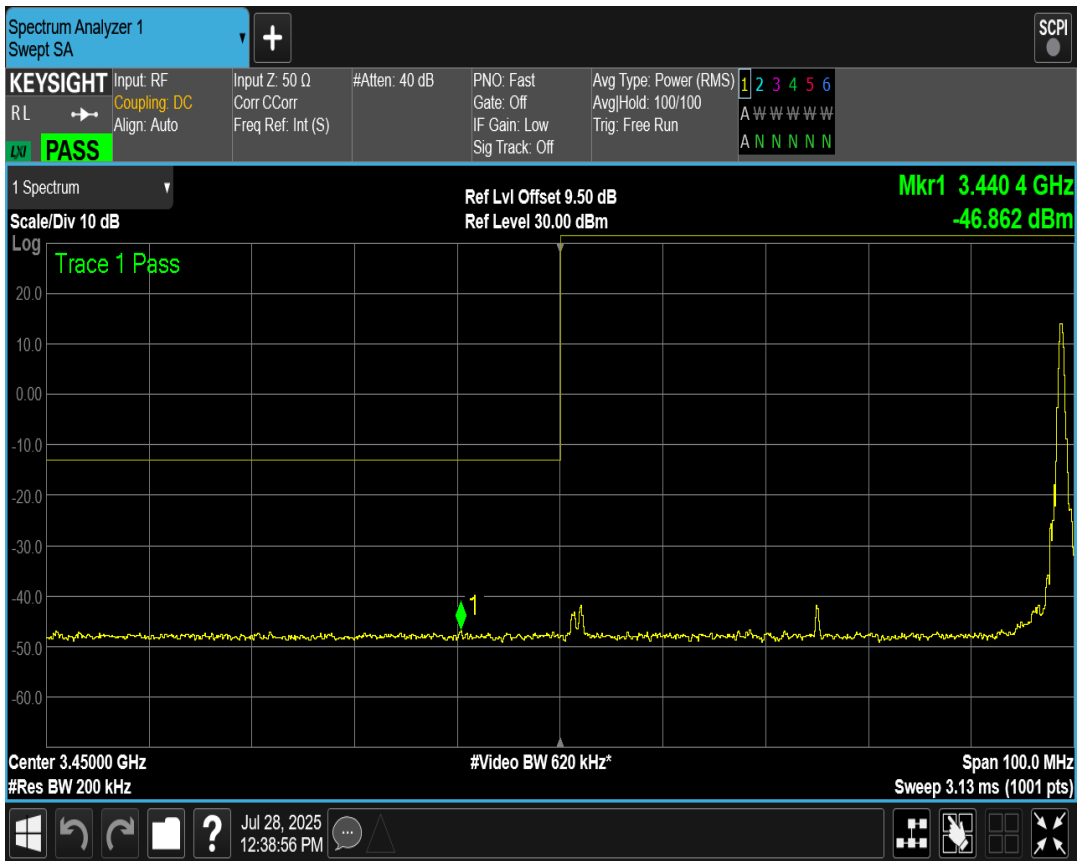
n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=636332 RB=1 @0



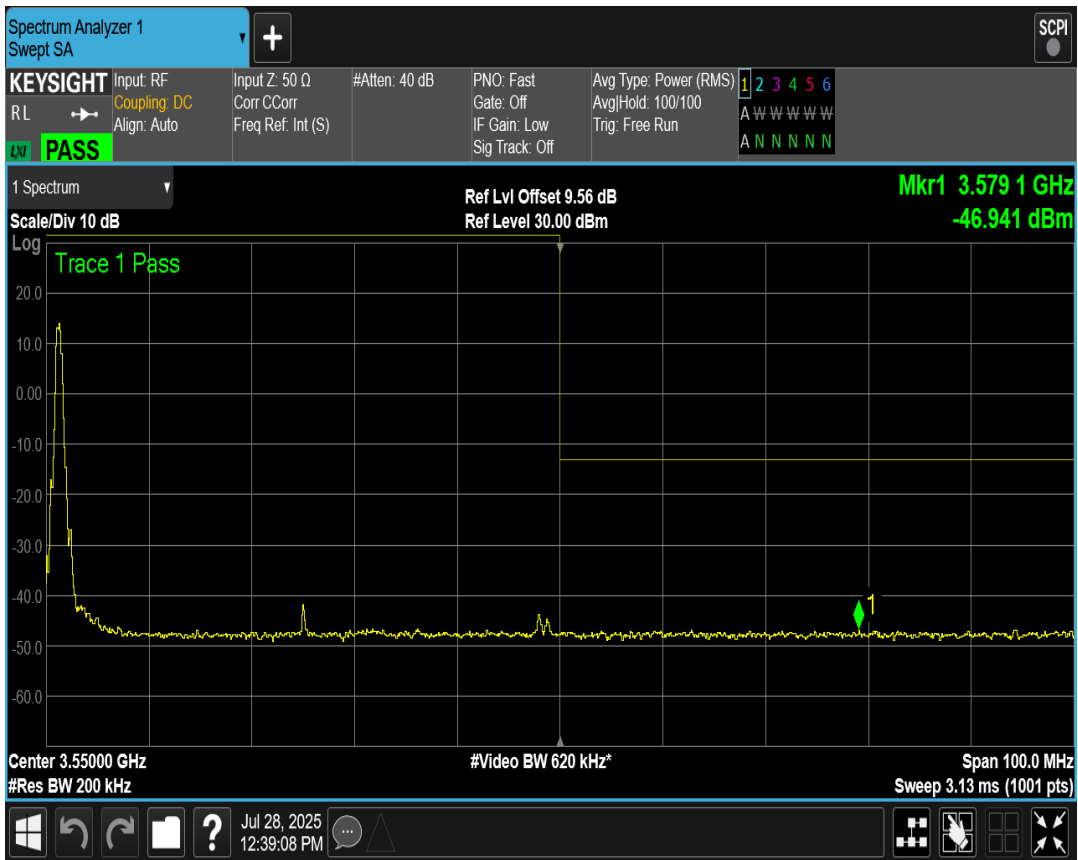
n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=636332 RB=1 @23



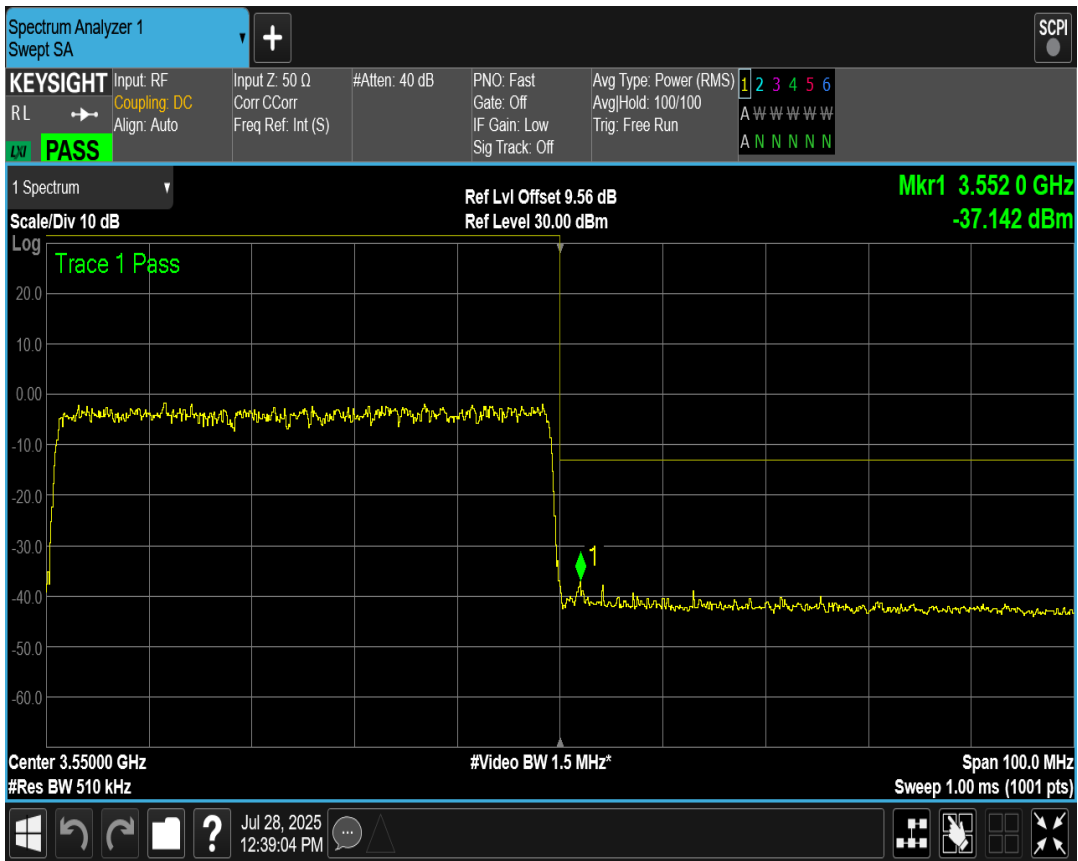
n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=631668 RB=1 @132



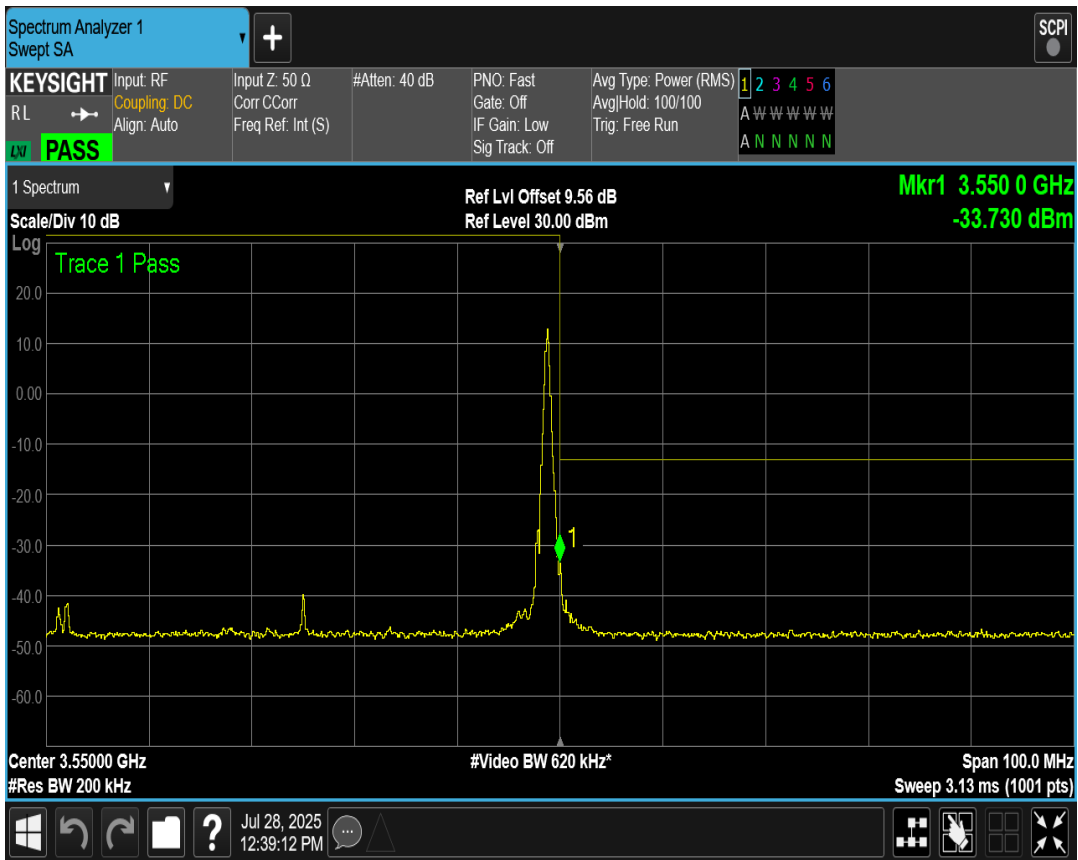
n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=635000 RB=1 @0



n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=635000 RB=133 @0



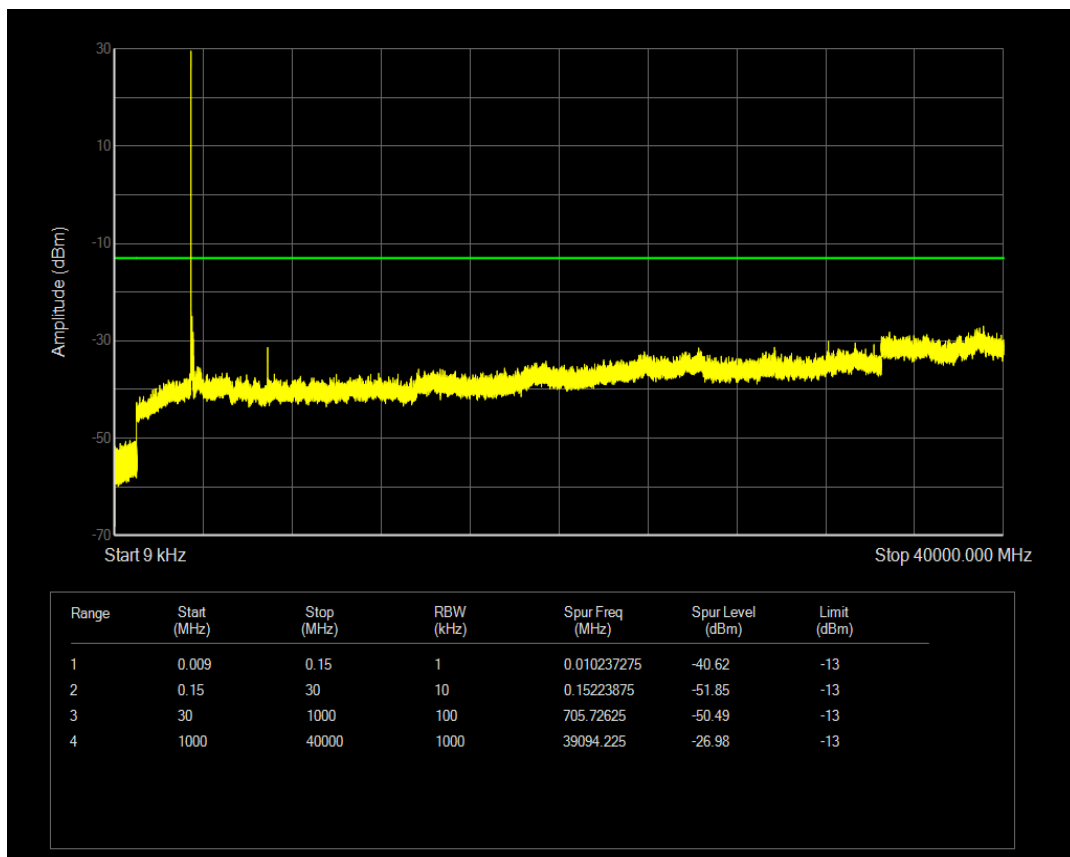
n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=635000 RB=1 @132



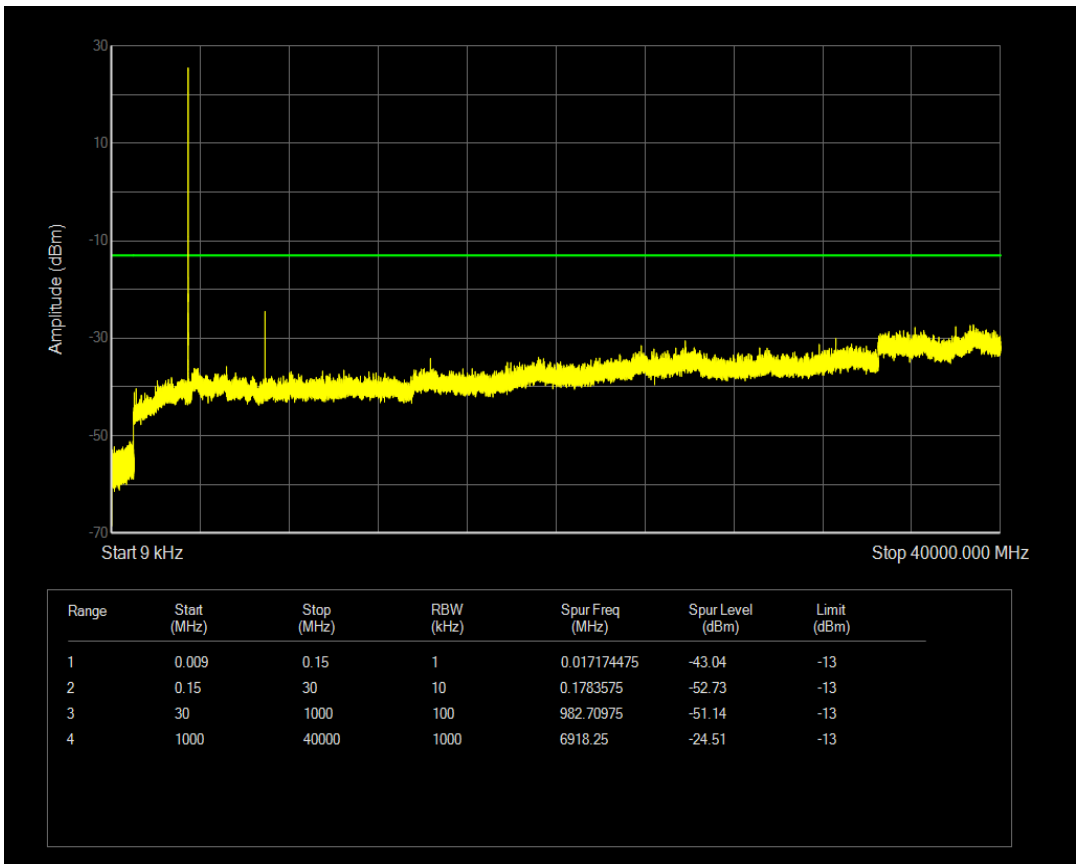
6 Out-of-band emissions for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n77(3450-3550)	30	10	630334	24@0	CP_QPSK	39182.95	-27.27	-13	PASS
n77(3450-3550)	30	10	630334	1@0	CP_QPSK	6901.68	-26.38	-13	PASS
n77(3450-3550)	30	10	630334	1@23	CP_QPSK	6918.25	-24.51	-13	PASS
n77(3450-3550)	30	10	636332	24@0	CP_QPSK	39134.20	-26.93	-13	PASS
n77(3450-3550)	30	10	636332	1@0	CP_QPSK	38947.98	-26.65	-13	PASS
n77(3450-3550)	30	10	636332	1@23	CP_QPSK	39072.78	-27.12	-13	PASS
n77(3450-3550)	30	50	631668	133@0	CP_QPSK	38531.65	-27.32	-13	PASS
n77(3450-3550)	30	50	631668	1@0	CP_QPSK	38869.00	-26.79	-13	PASS
n77(3450-3550)	30	50	631668	1@132	CP_QPSK	38879.73	-26.95	-13	PASS
n77(3450-3550)	30	50	635000	133@0	CP_QPSK	39004.53	-27.12	-13	PASS
n77(3450-3550)	30	50	635000	1@0	CP_QPSK	7003.08	-24.86	-13	PASS
n77(3450-3550)	30	50	635000	1@132	CP_QPSK	7096.68	-27.22	-13	PASS
n77(3450-3550)	30	100	633334	273@0	CP_QPSK	38914.83	-27.20	-13	PASS
n77(3450-3550)	30	100	633334	1@0	CP_QPSK	39094.23	-26.98	-13	PASS
n77(3450-3550)	30	100	633334	1@272	CP_QPSK	7097.65	-24.62	-13	PASS

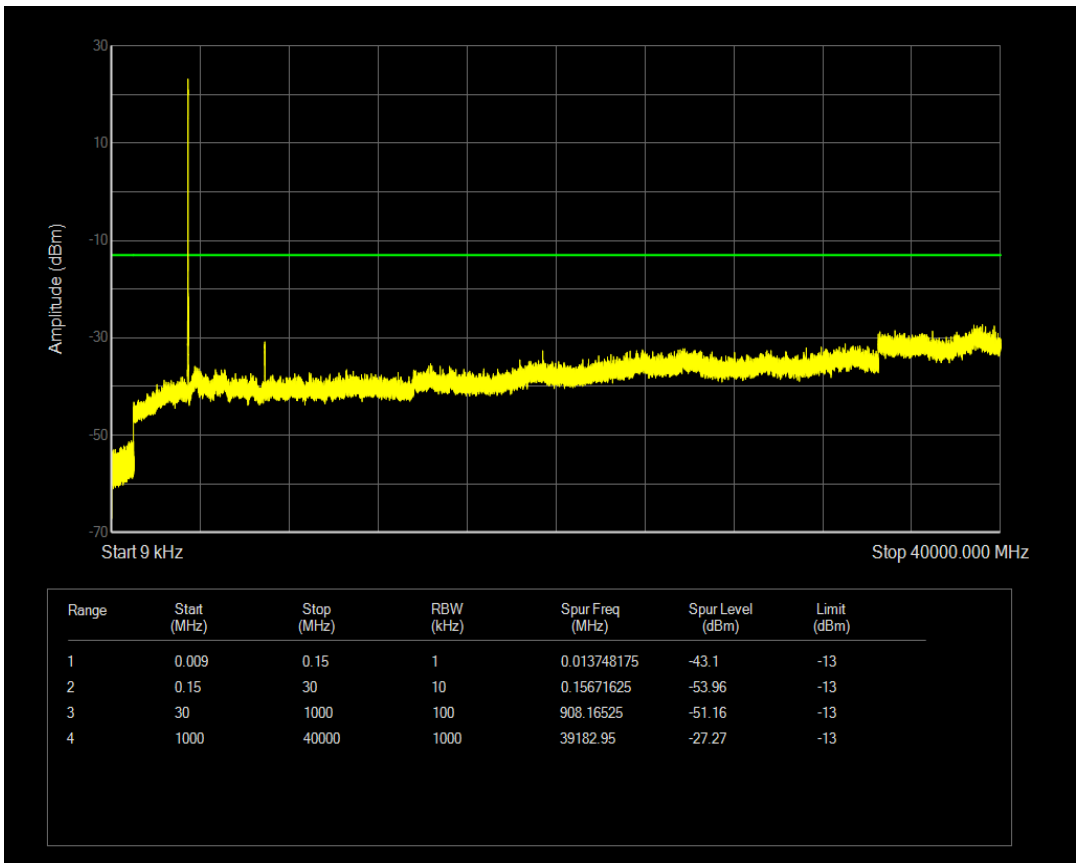
n77(3450-3550) SCS=30kHz CP_QPSK BW=100MHz Channel=633334 RB=1@0



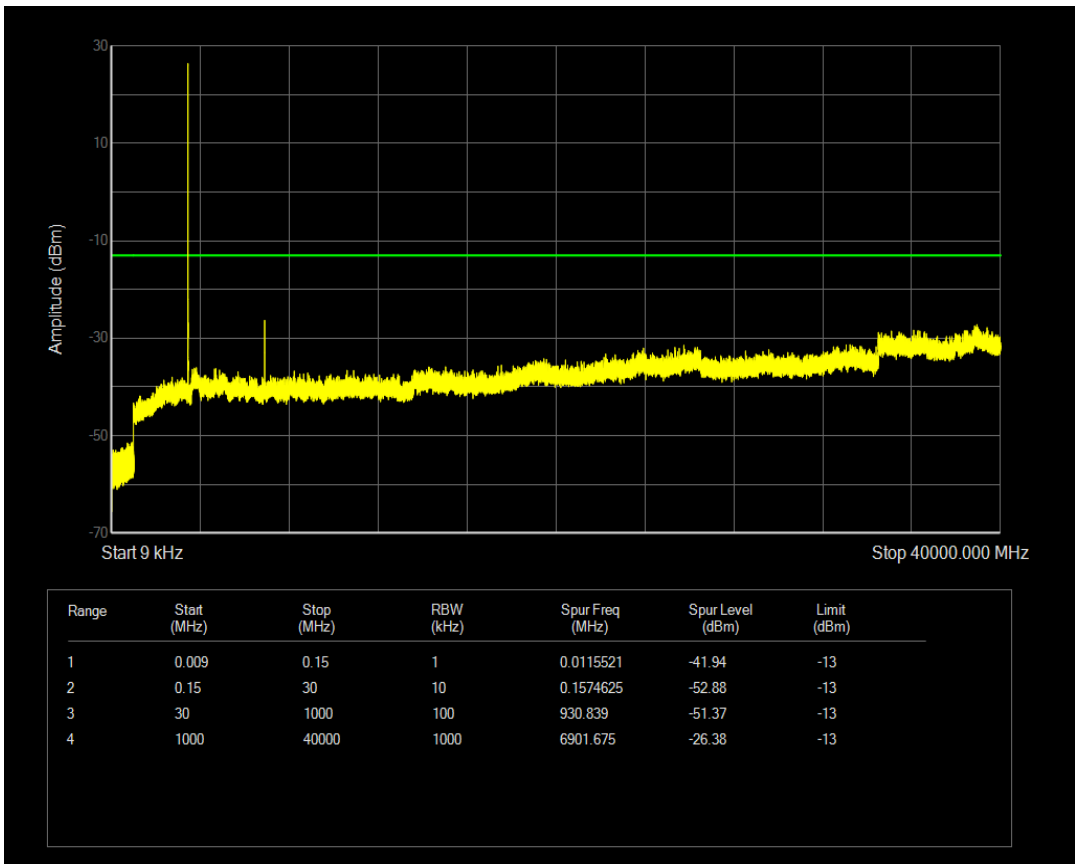
n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=630334 RB=1@23



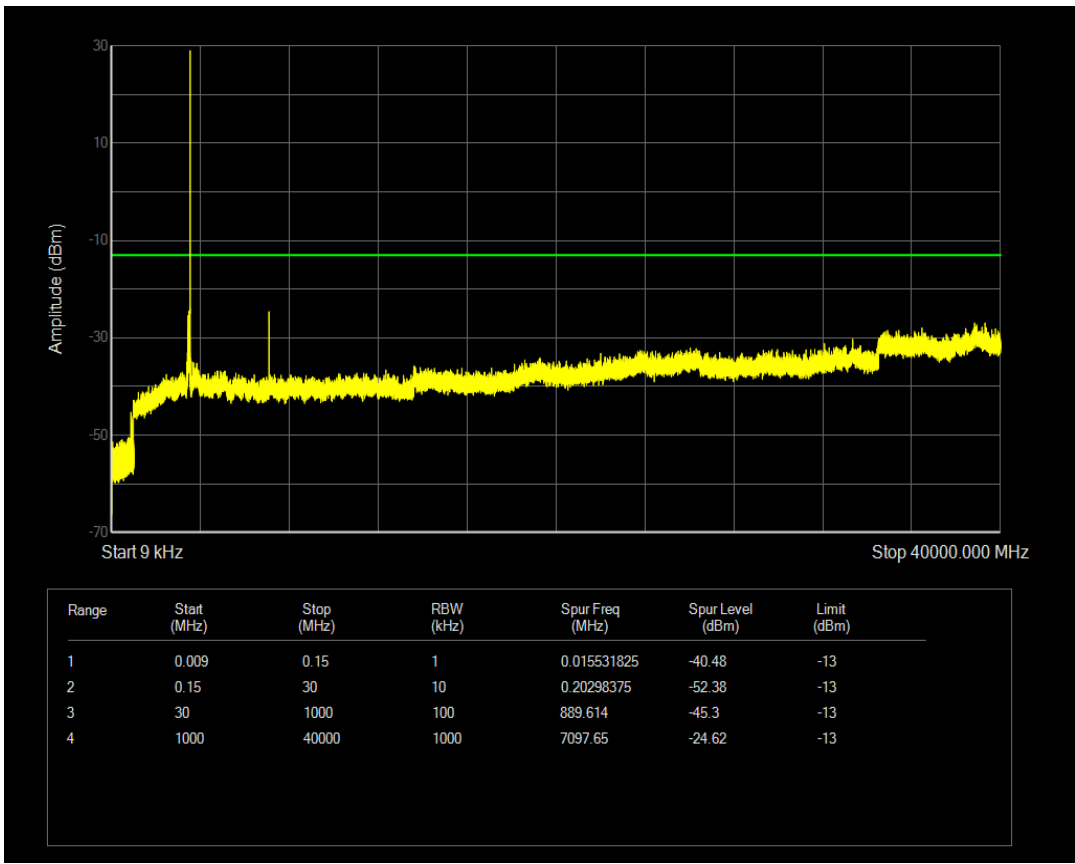
n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=630334 RB=24@0



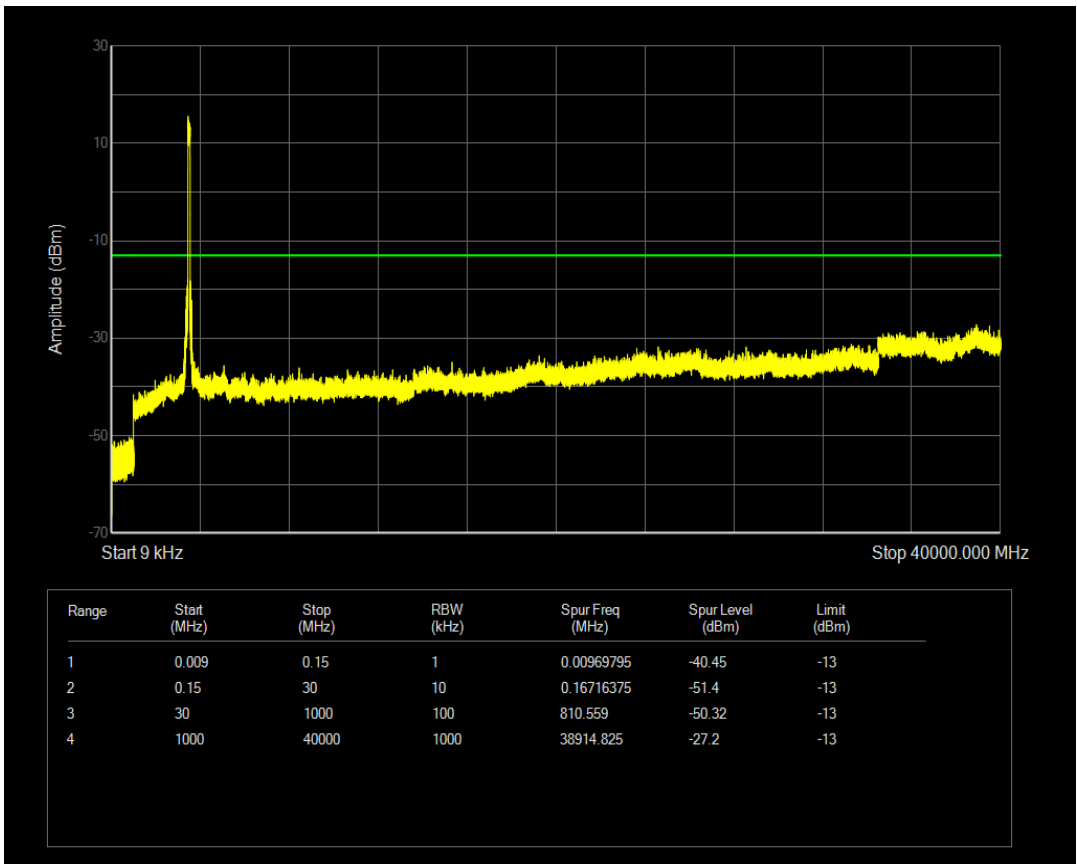
n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=630334 RB=1@0



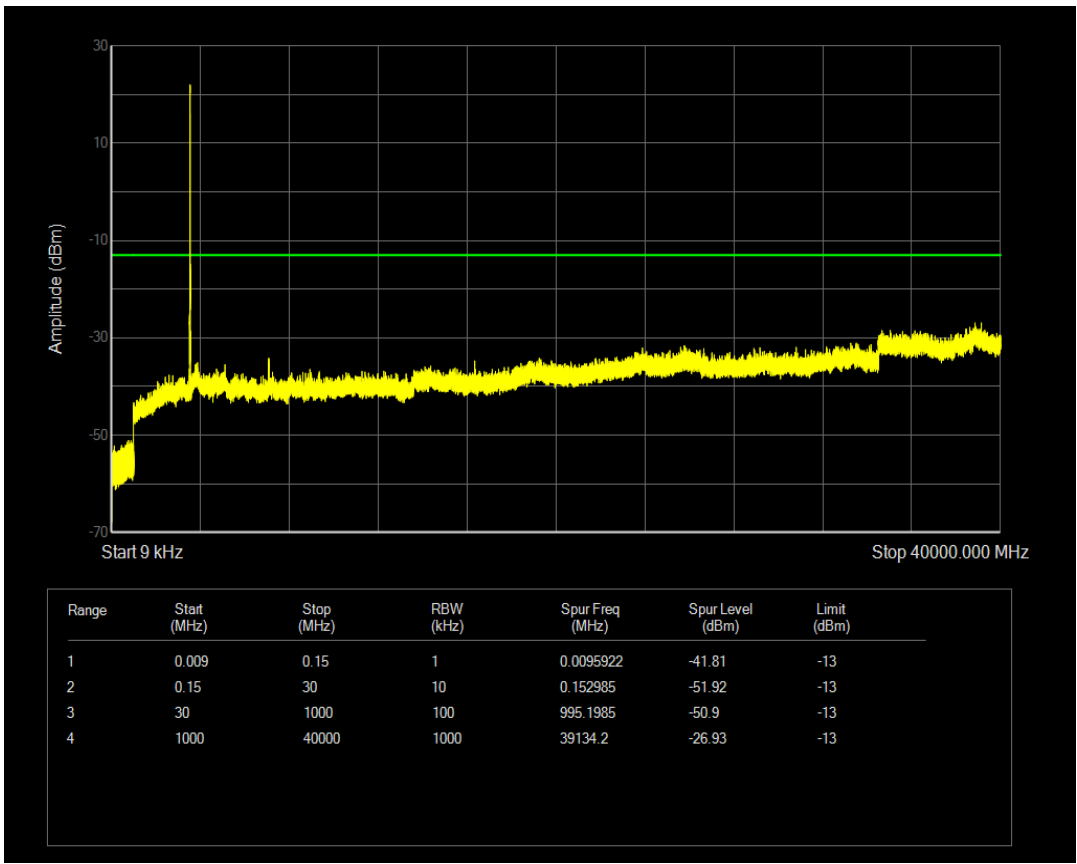
n77(3450-3550) SCS=30kHz CP_QPSK BW=100MHz Channel=633334 RB=1@272



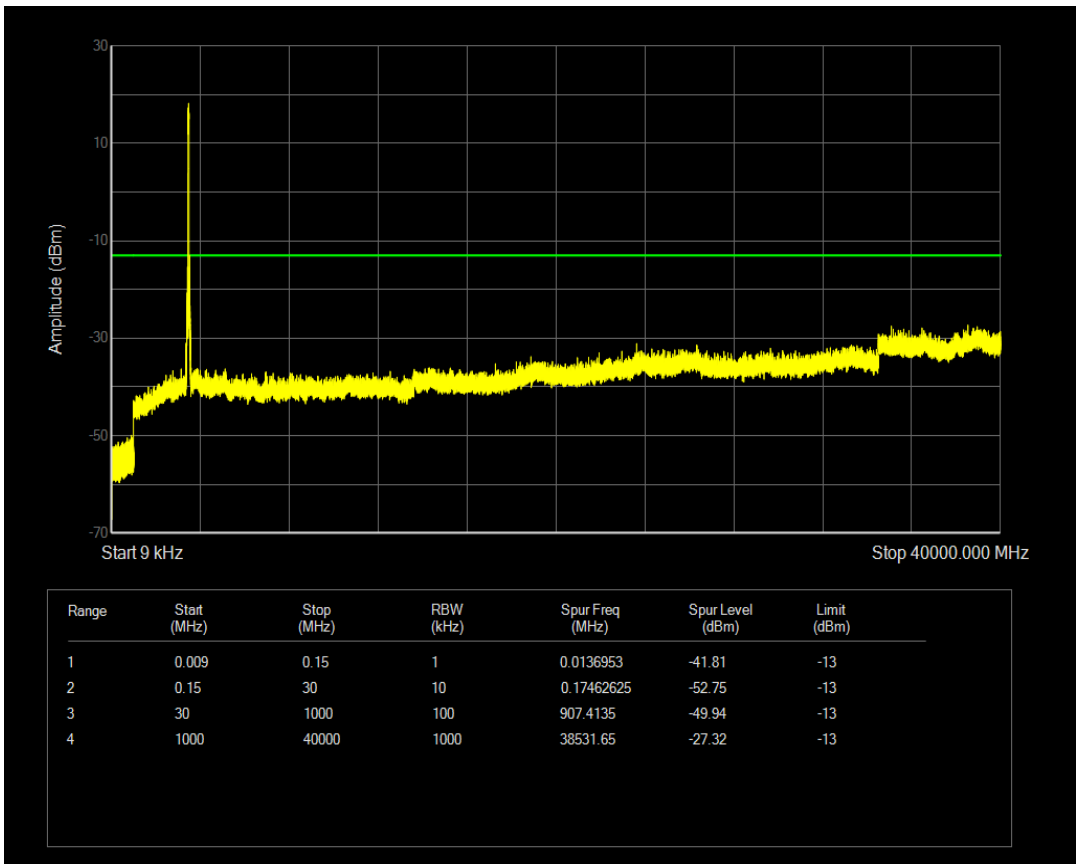
n77(3450-3550) SCS=30kHz CP_QPSK BW=100MHz Channel=633334 RB=273@0



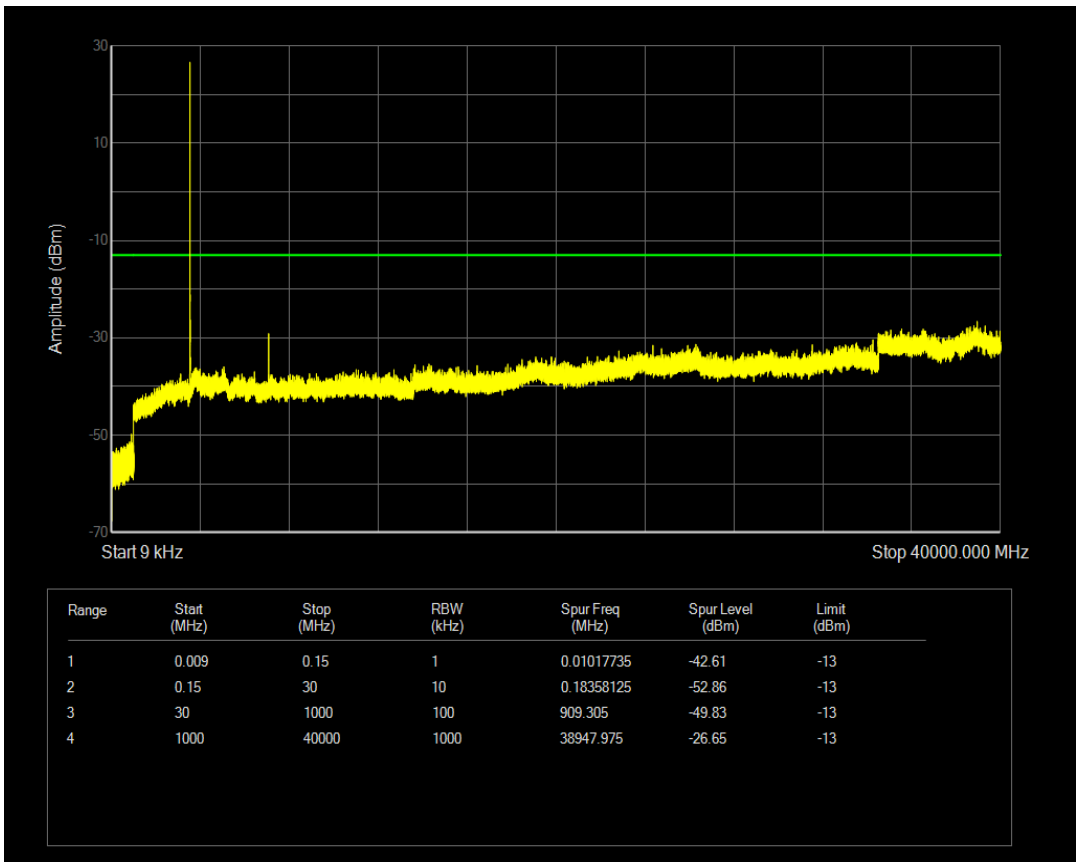
n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=636332 RB=24@0



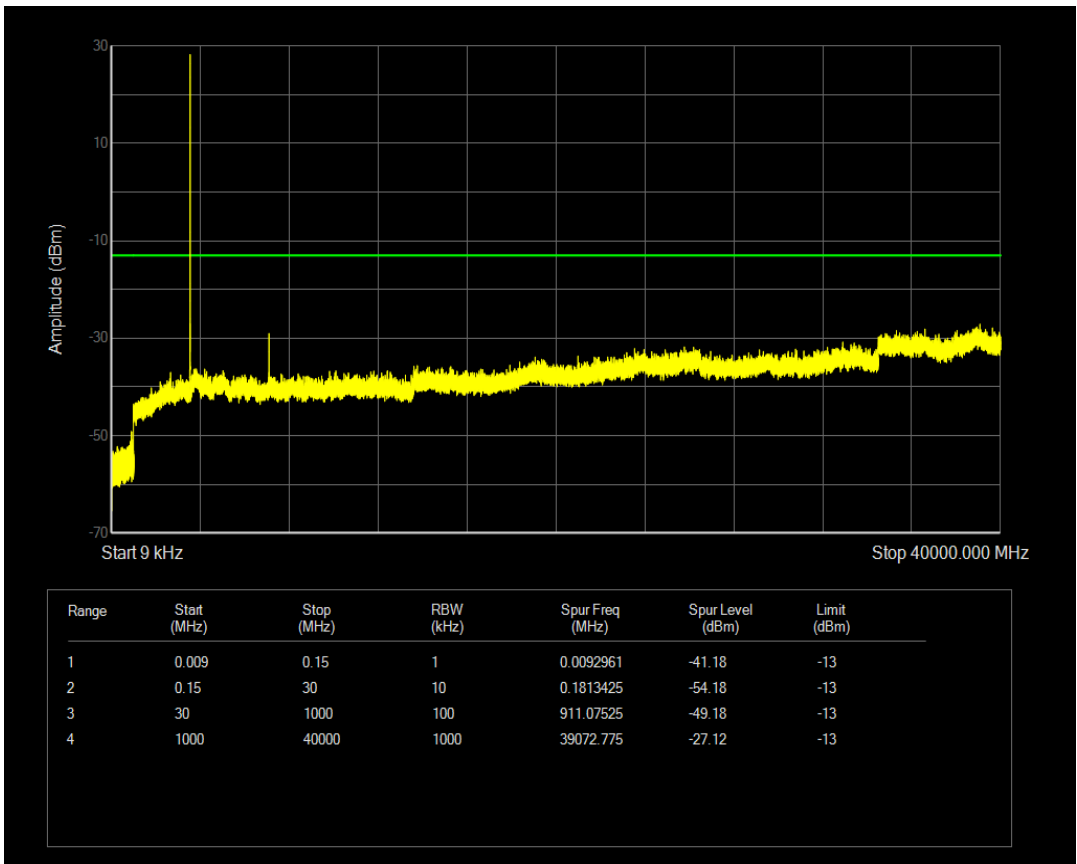
n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=631668 RB=133@0



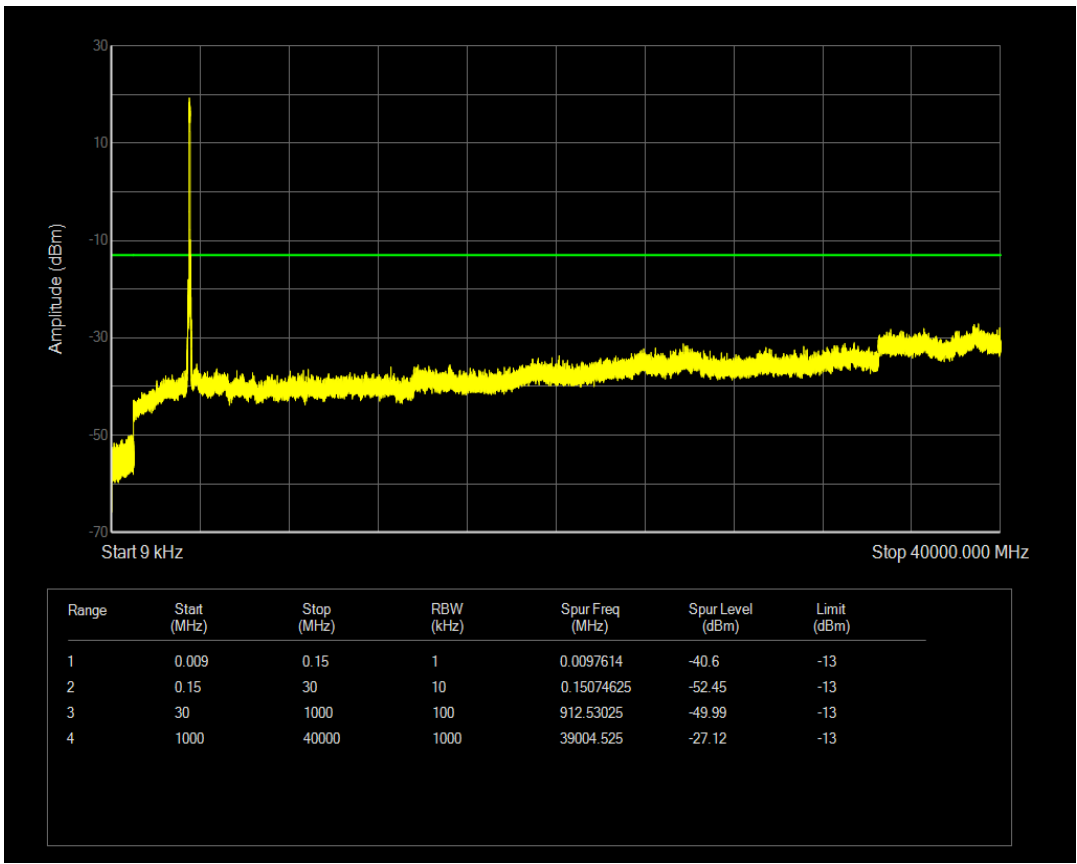
n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=636332 RB=1@0



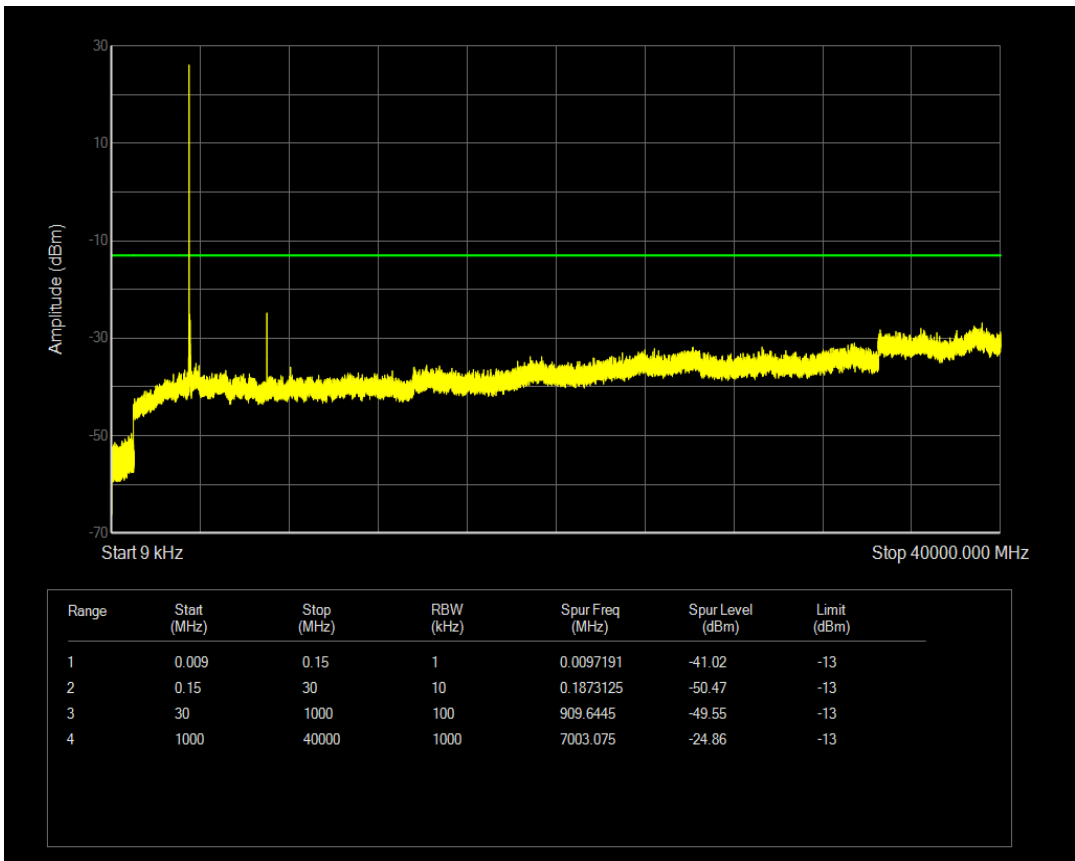
n77(3450-3550) SCS=30kHz CP_QPSK BW=10MHz Channel=636332 RB=1@23



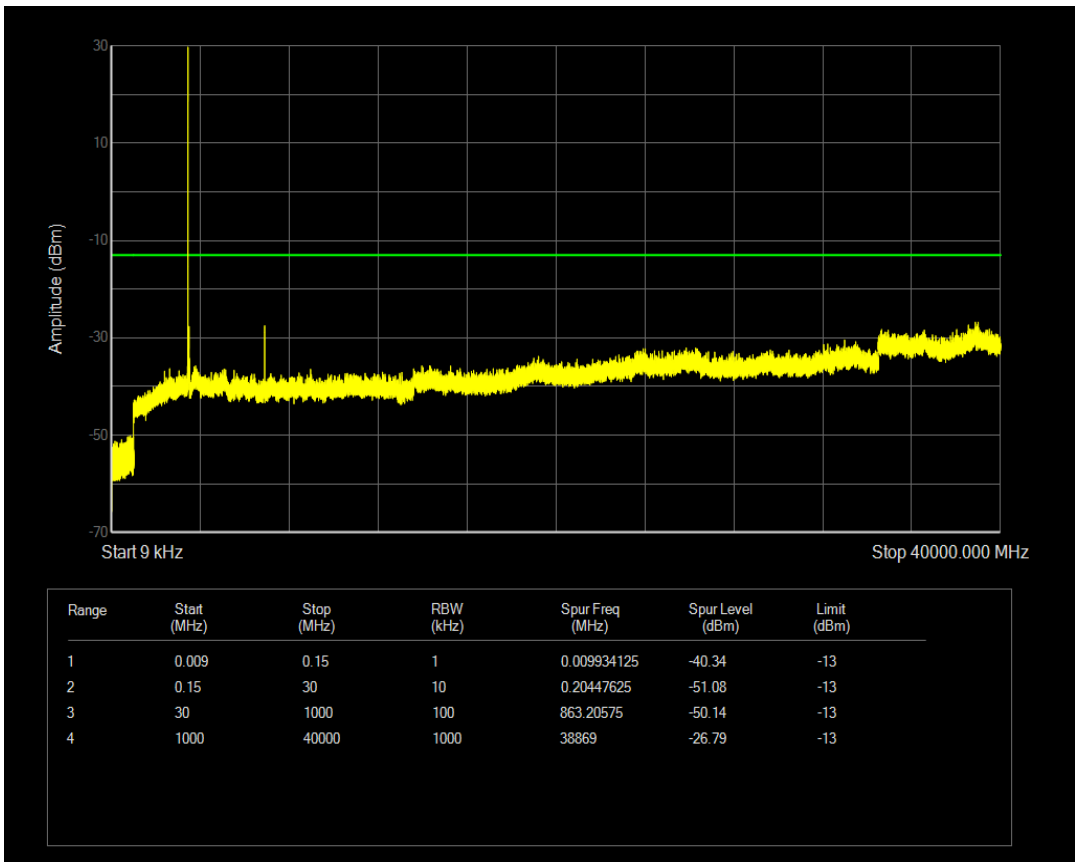
n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=635000 RB=133 @0



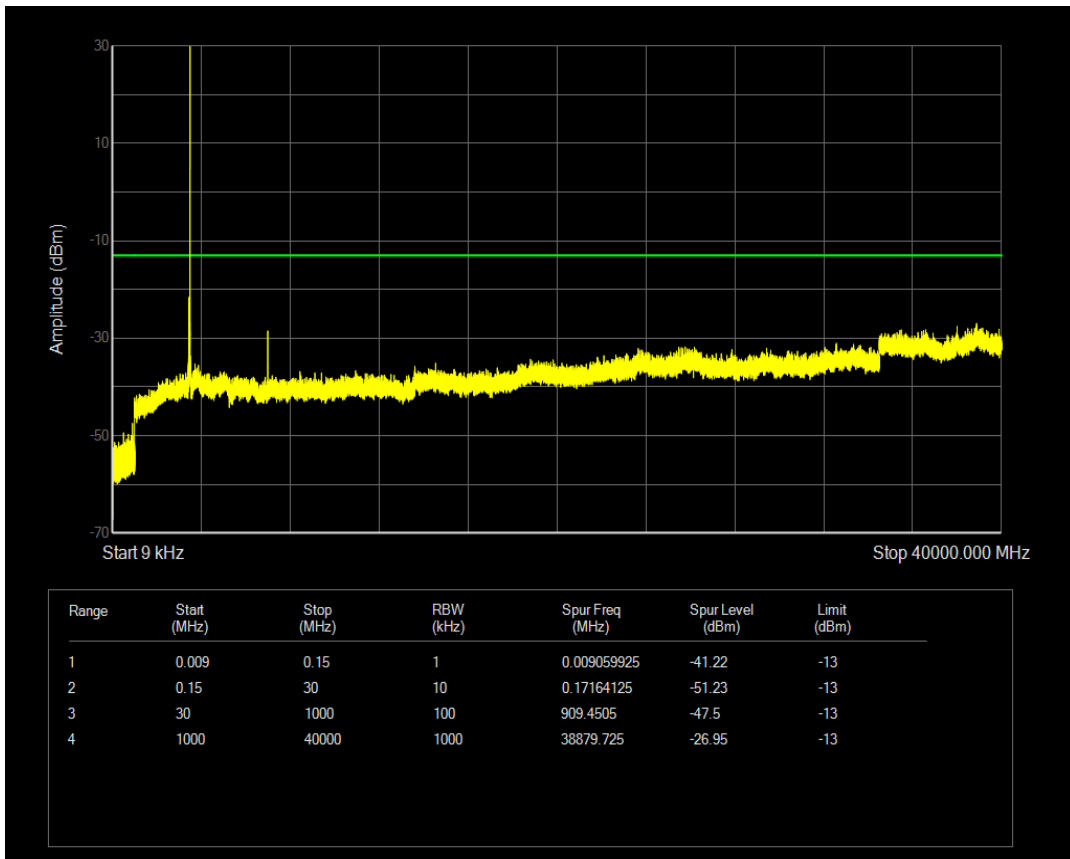
n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=635000 RB=1 @0



n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=631668 RB=1@0



n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=631668 RB=1@132



n77(3450-3550) SCS=30kHz CP_QPSK BW=50MHz Channel=635000 RB=1 @132

