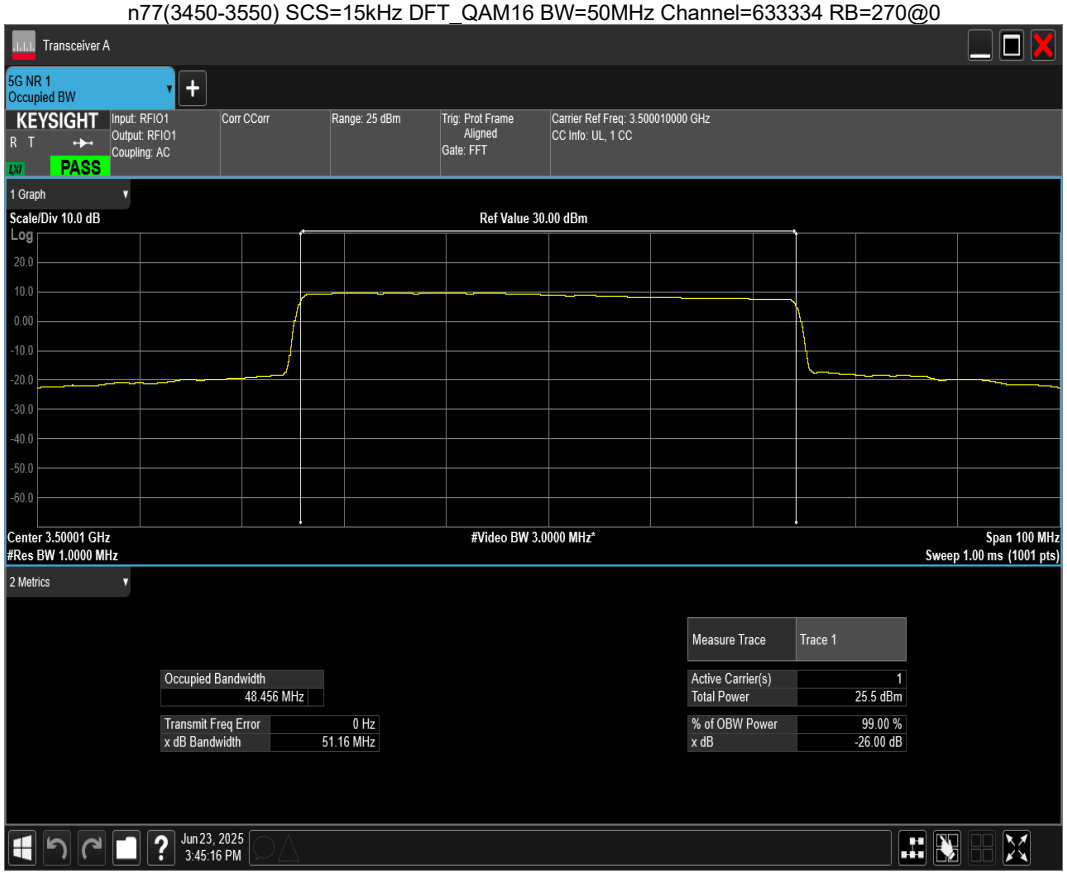
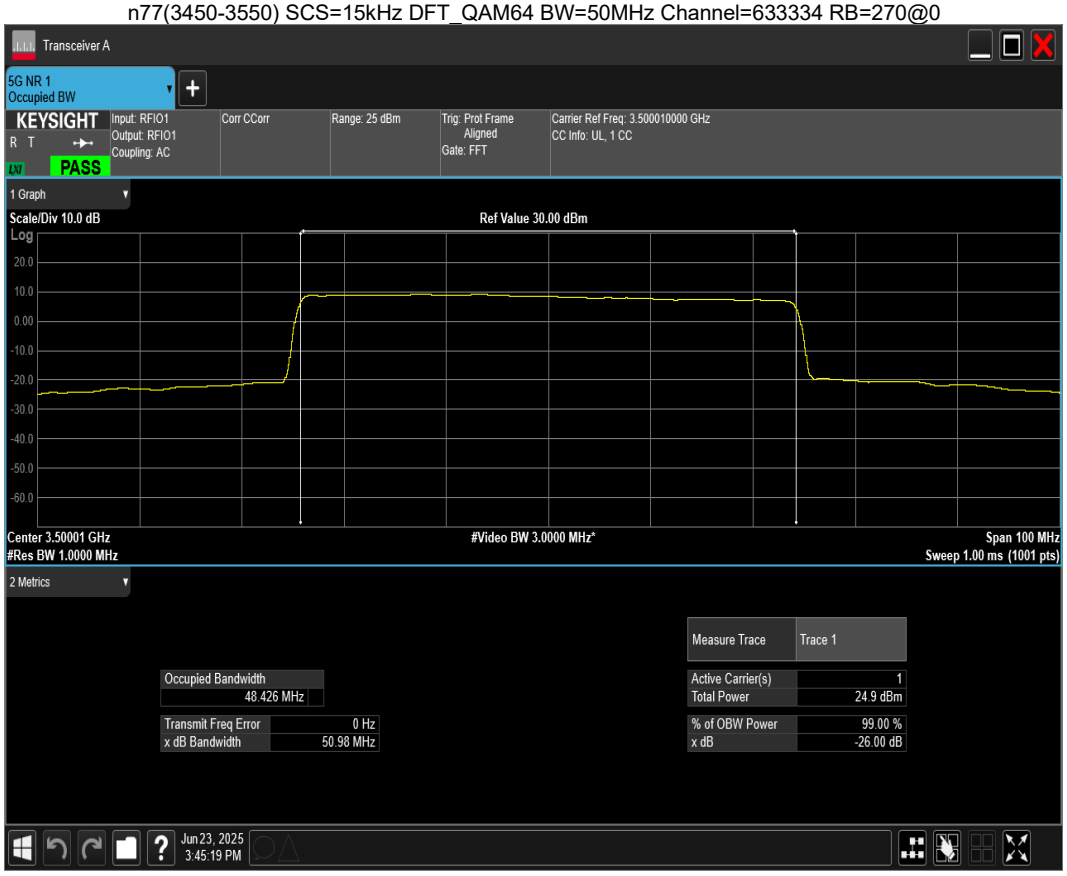
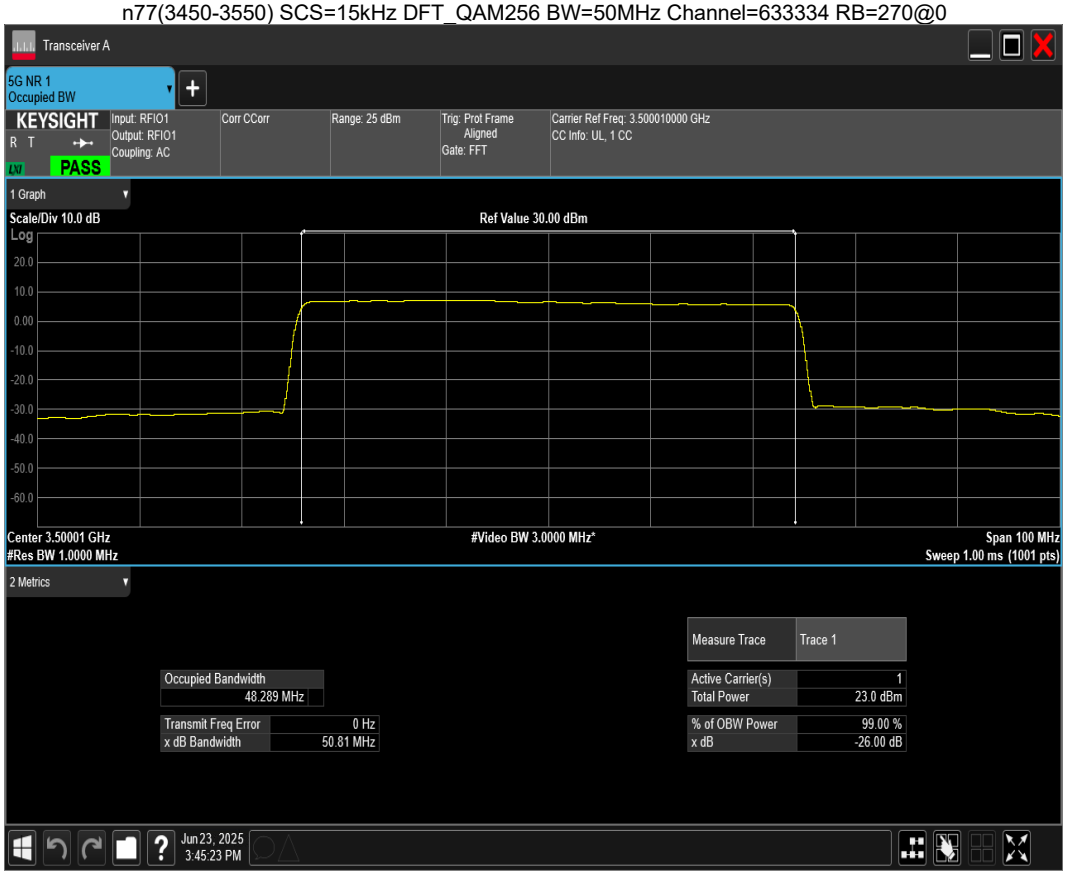
n77(3450-3550) SCS=15kHz DFT_QAM16 BW=50MHz Channel=633334 RB=270@0



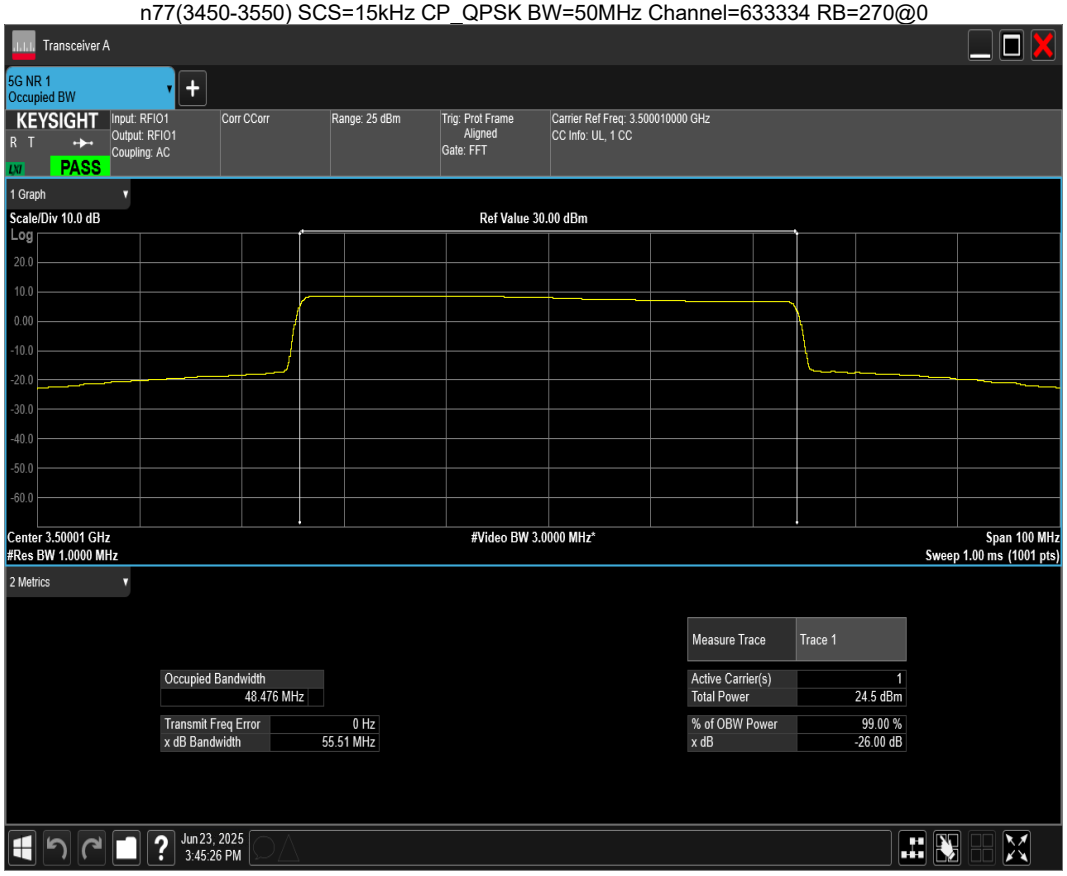
n77(3450-3550) SCS=15kHz DFT_QAM64 BW=50MHz Channel=633334 RB=270@0



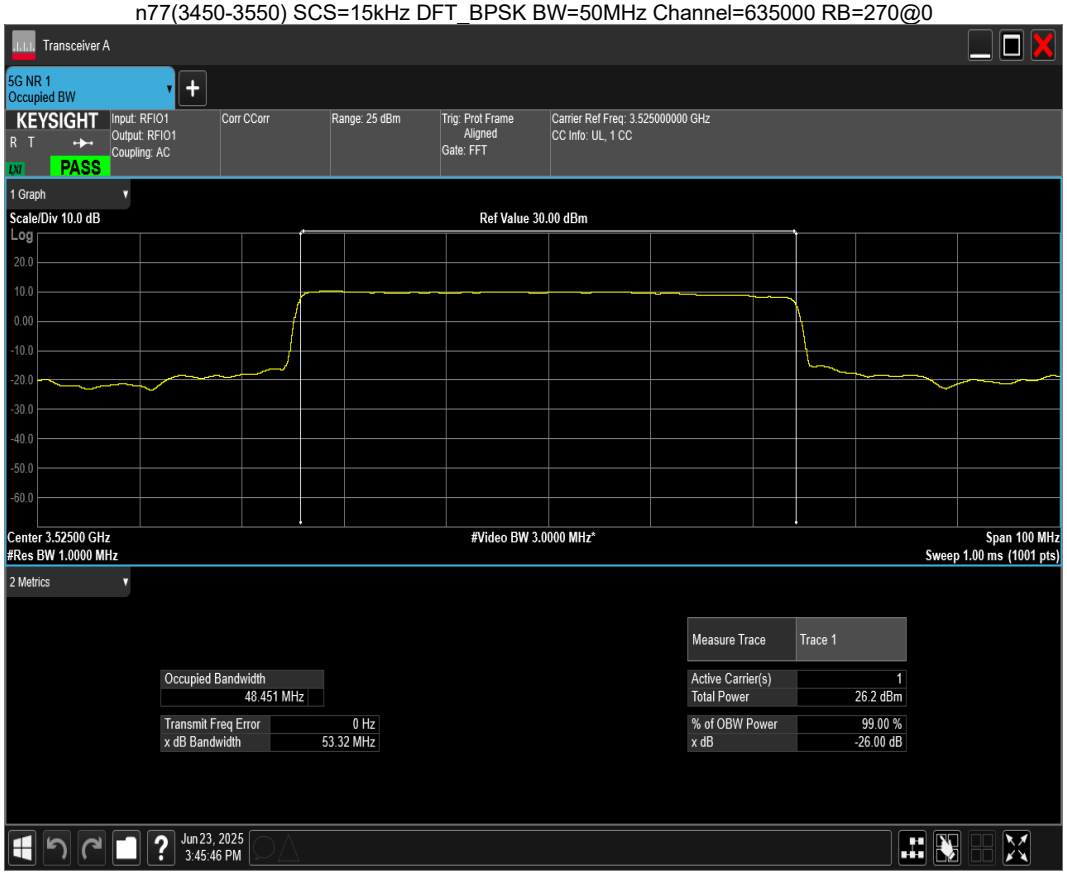
n77(3450-3550) SCS=15kHz DFT_QAM256 BW=50MHz Channel=633334 RB=270@0



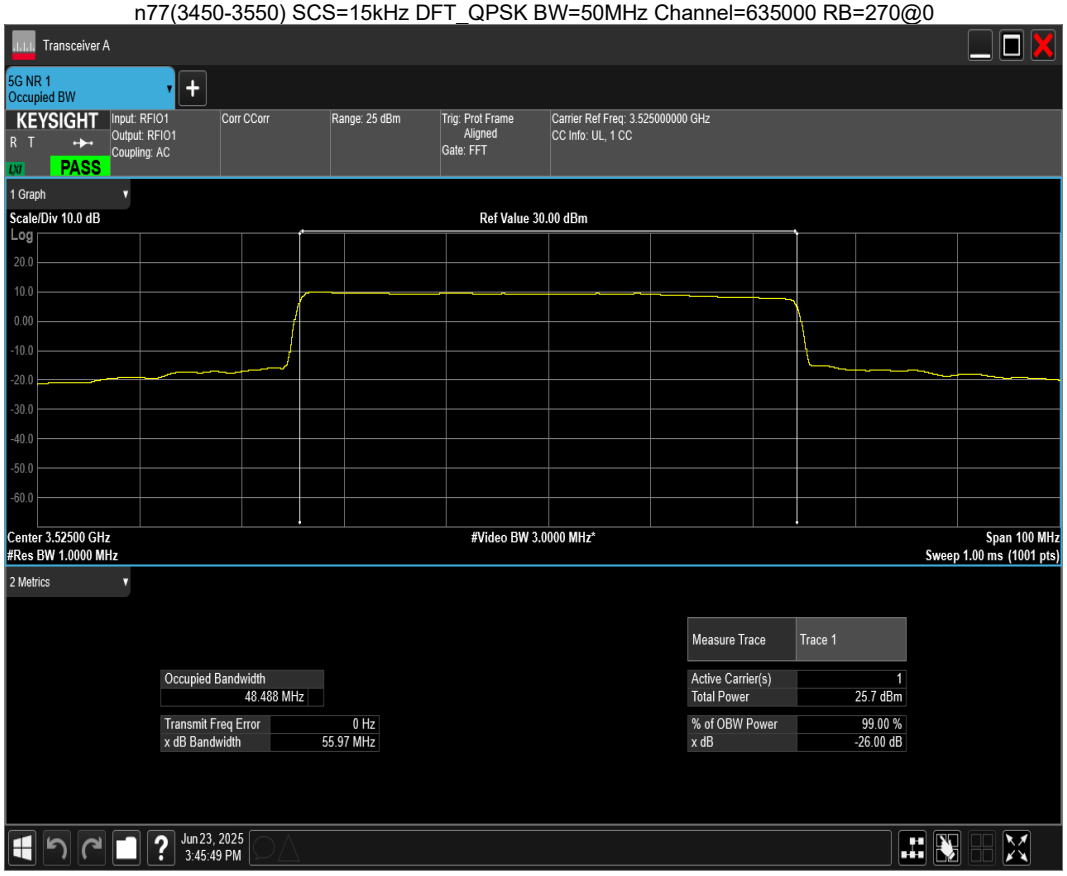
n77(3450-3550) SCS=15kHz CP_QPSK BW=50MHz Channel=633334 RB=270@0



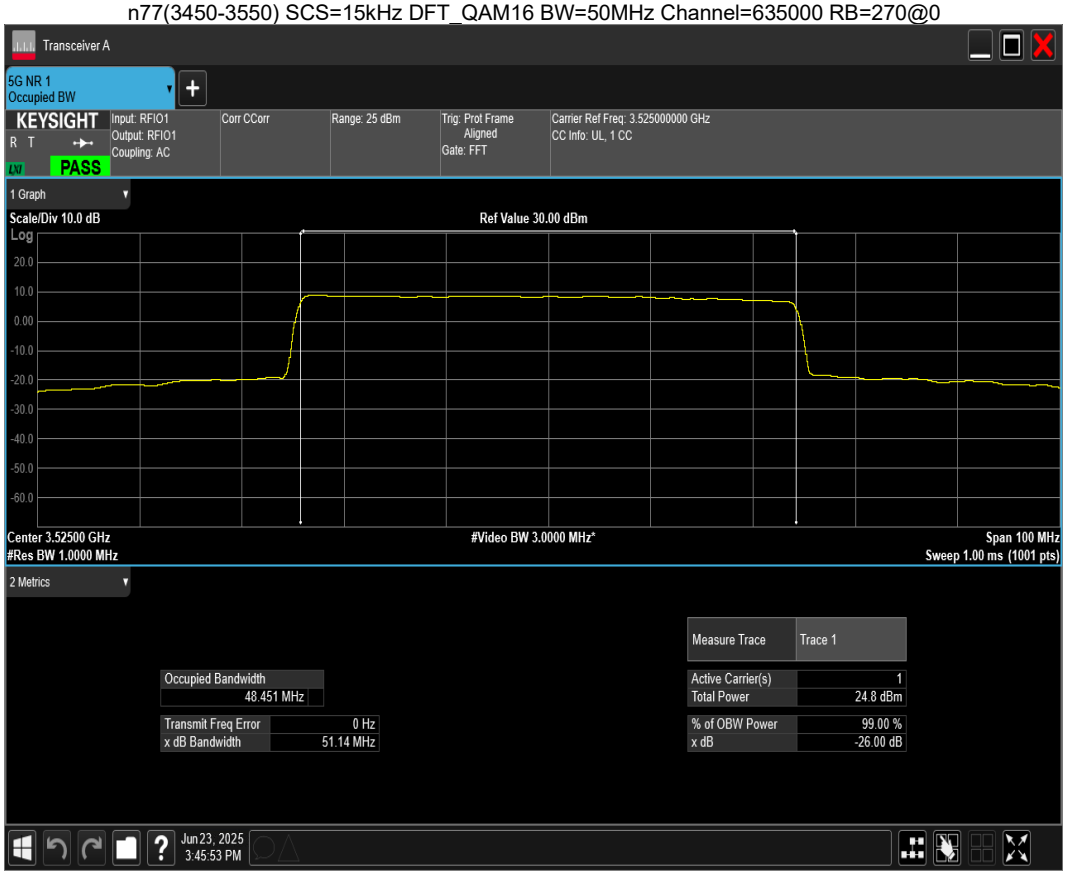
n77(3450-3550) SCS=15kHz DFT_BPSK BW=50MHz Channel=635000 RB=270@0



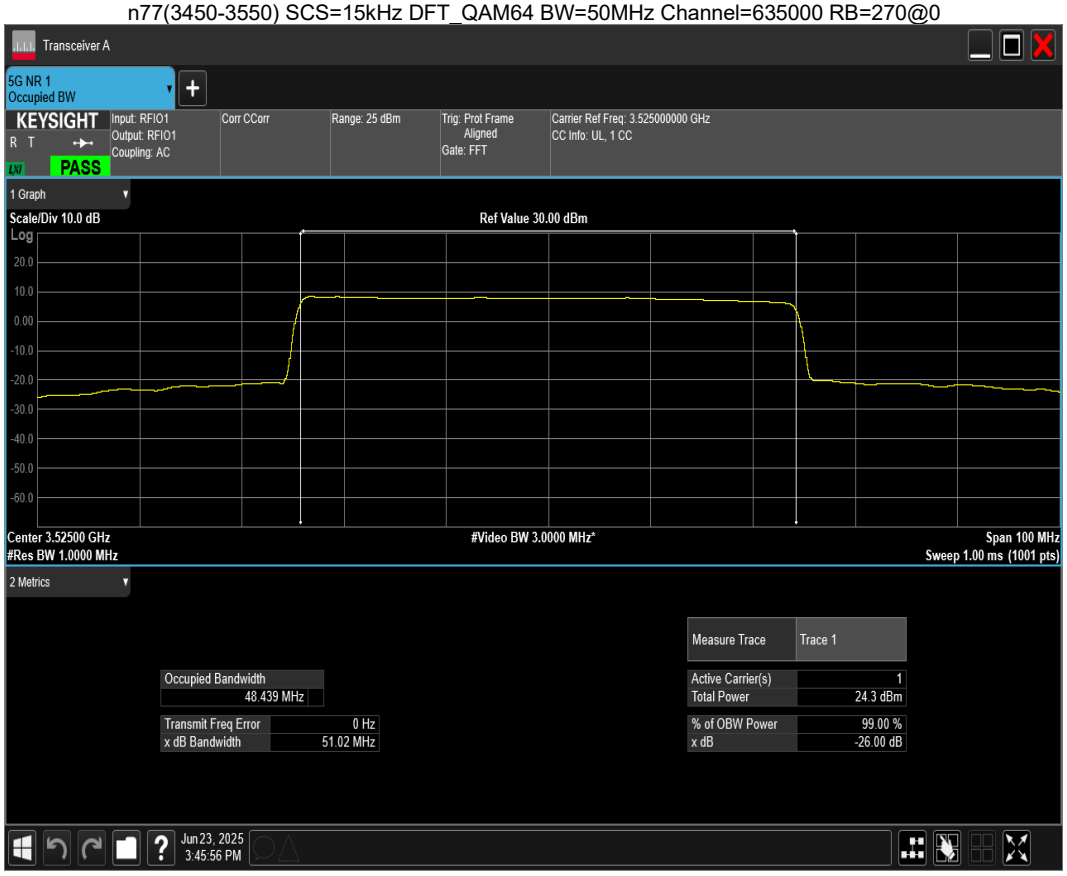
n77(3450-3550) SCS=15kHz DFT_QPSK BW=50MHz Channel=635000 RB=270@0



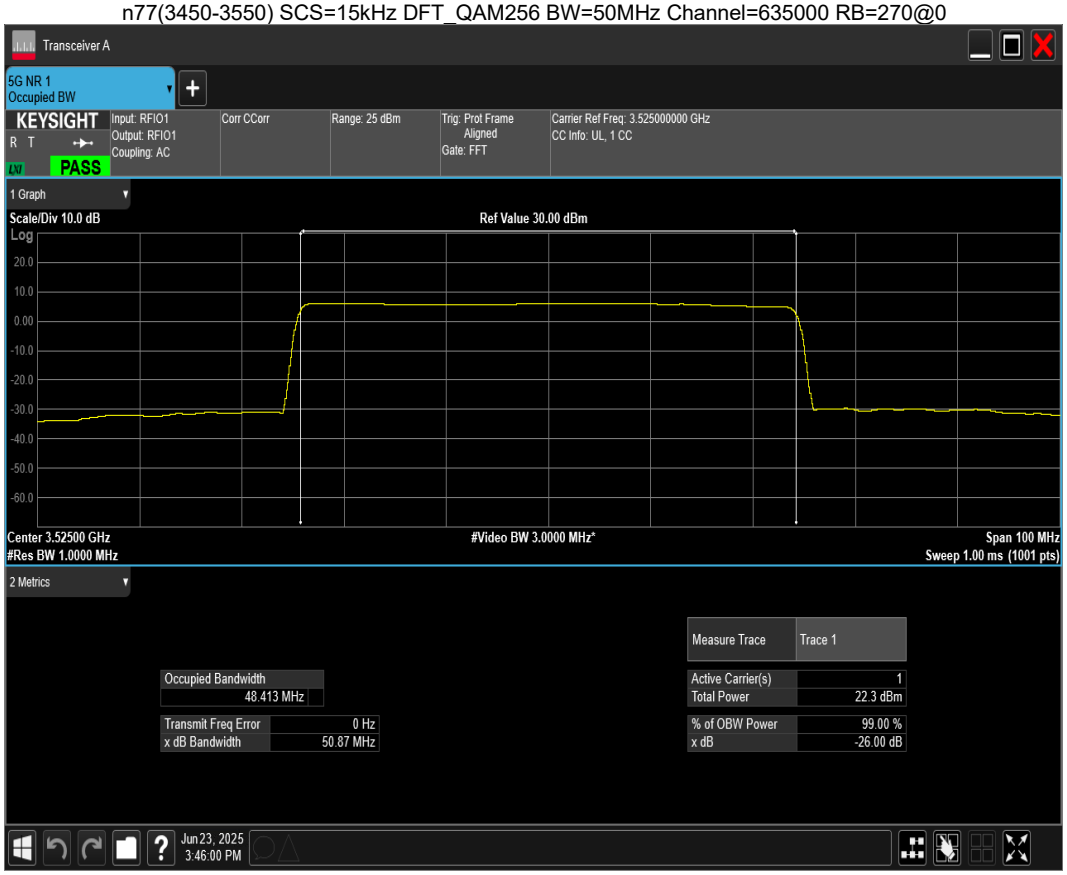
n77(3450-3550) SCS=15kHz DFT_QAM16 BW=50MHz Channel=635000 RB=270@0



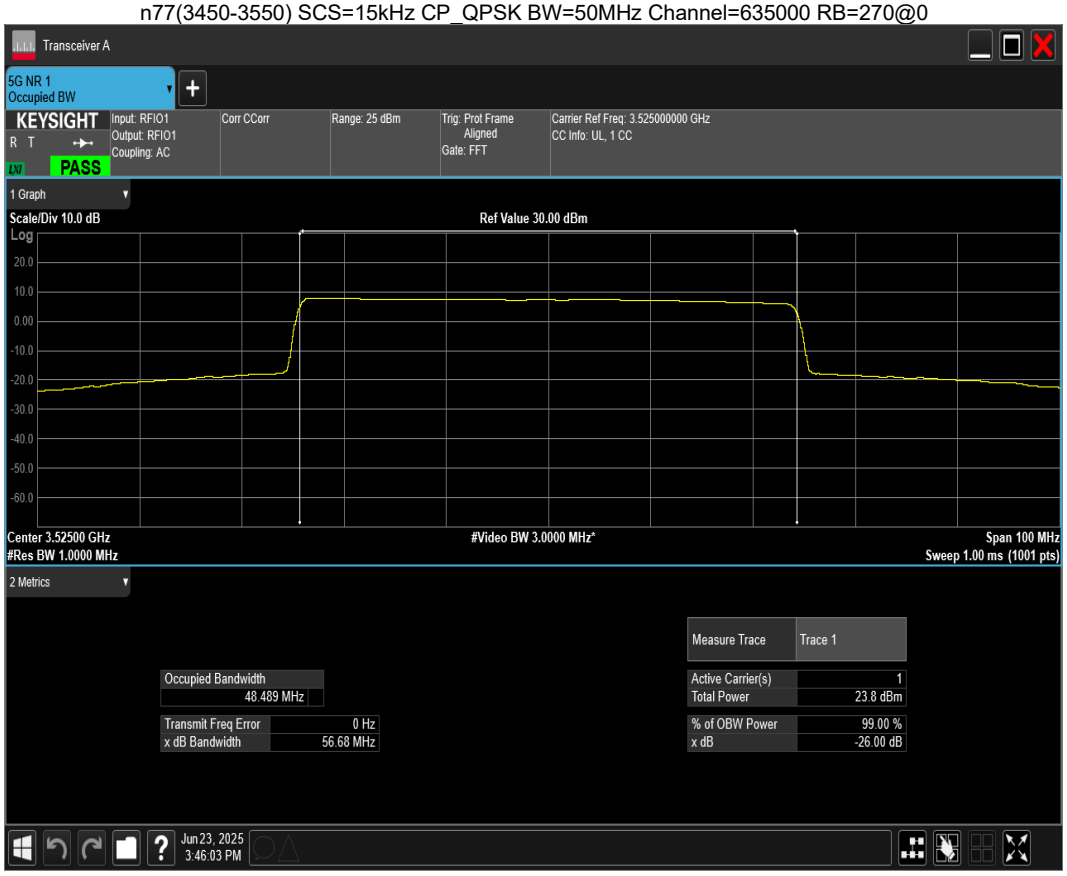
n77(3450-3550) SCS=15kHz DFT_QAM64 BW=50MHz Channel=635000 RB=270@0



n77(3450-3550) SCS=15kHz DFT_QAM256 BW=50MHz Channel=635000 RB=270@0



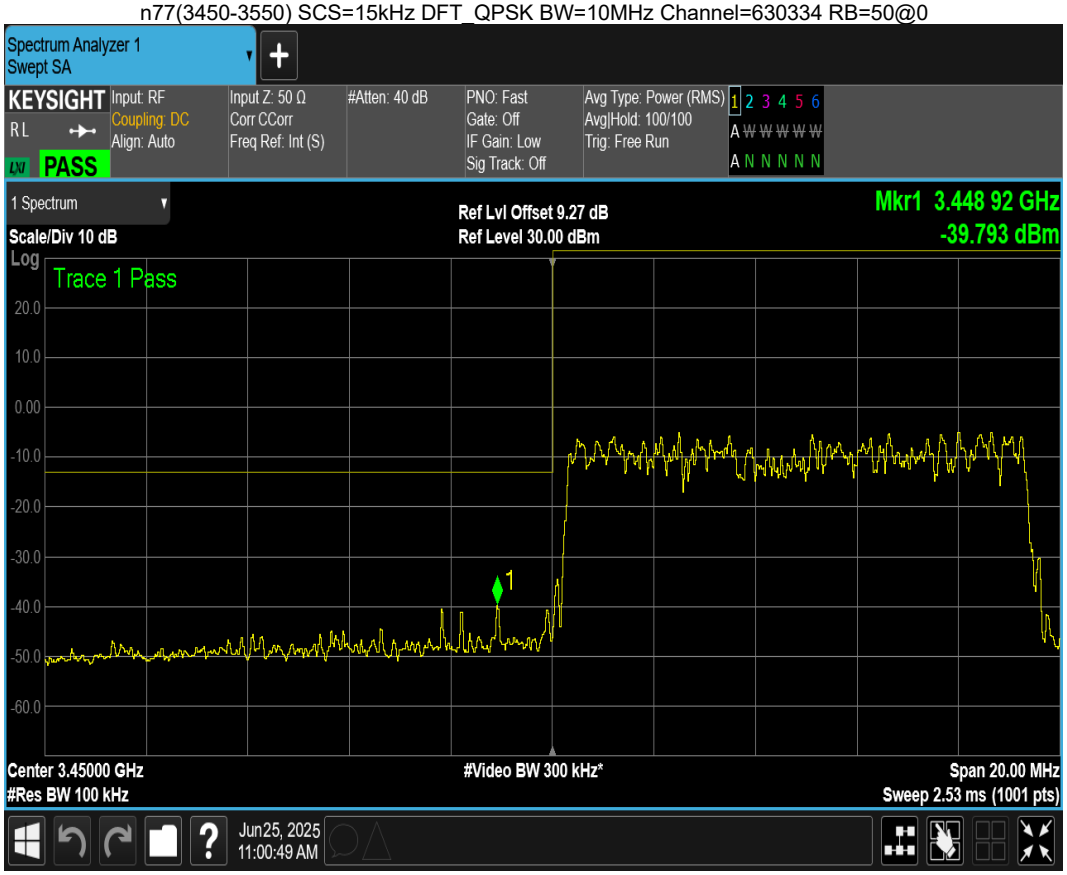
n77(3450-3550) SCS=15kHz CP_QPSK BW=50MHz Channel=635000 RB=270@0



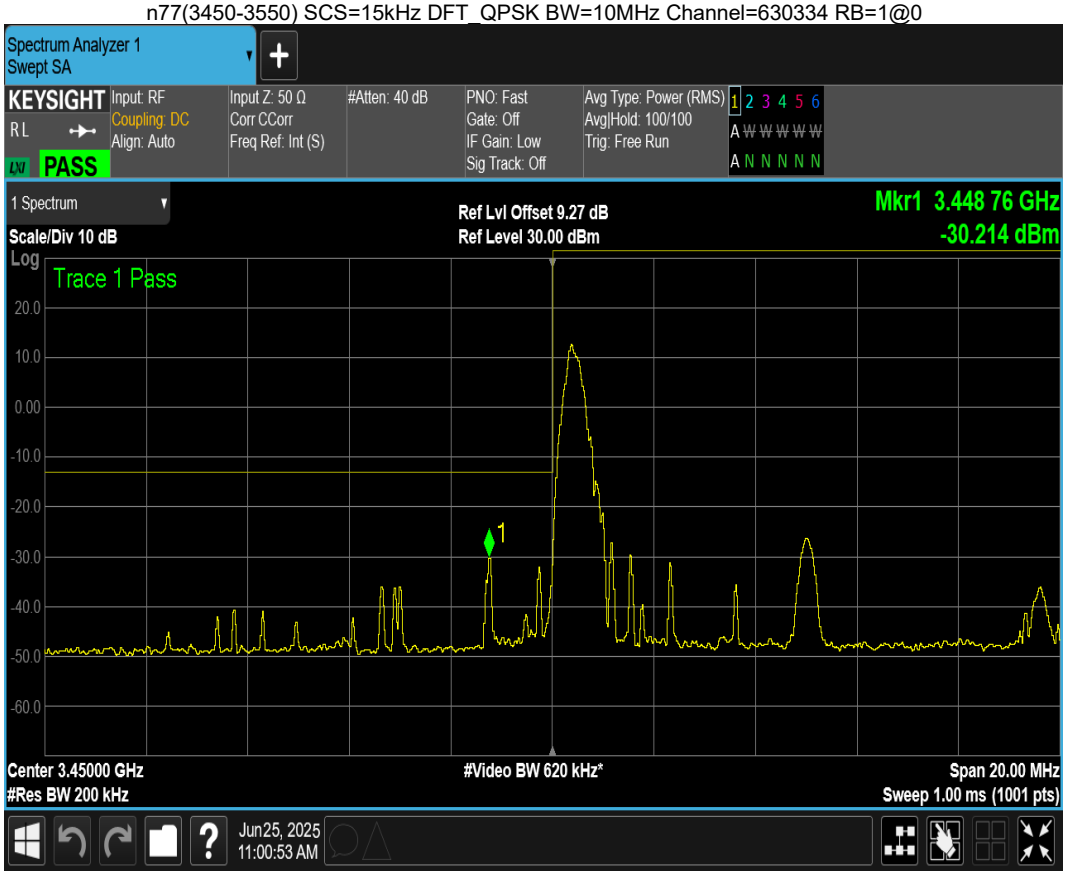
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n77(3450-3550)	15	10	630334	50@0	DFT_QPSK	3448.92	-39.79	-13	PASS
n77(3450-3550)	15	10	630334	1@0	DFT_QPSK	3448.76	-30.21	-13	PASS
n77(3450-3550)	15	10	636332	50@0	DFT_QPSK	3550.14	-42.20	-13	PASS
n77(3450-3550)	15	10	636332	1@51	DFT_QPSK	3552.06	-33.19	-13	PASS
n77(3450-3550)	15	50	631668	270@0	DFT_QPSK	3450.00	-41.24	-13	PASS
n77(3450-3550)	15	50	631668	1@0	DFT_QPSK	3448.60	-39.53	-13	PASS
n77(3450-3550)	15	50	635000	270@0	DFT_QPSK	3550.00	-37.38	-13	PASS
n77(3450-3550)	15	50	635000	1@269	DFT_QPSK	3550.00	-30.07	-13	PASS

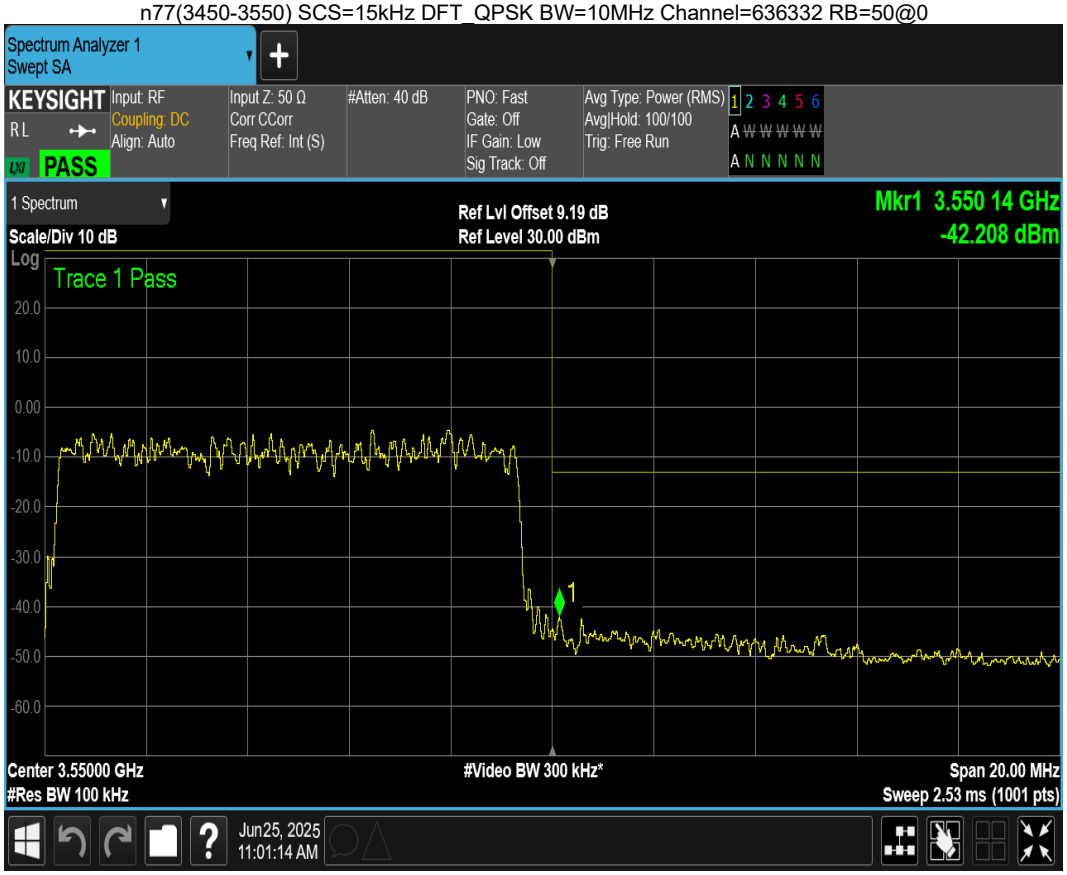
n77(3450-3550) SCS=15kHz DFT_QPSK BW=10MHz Channel=630334 RB=50@0



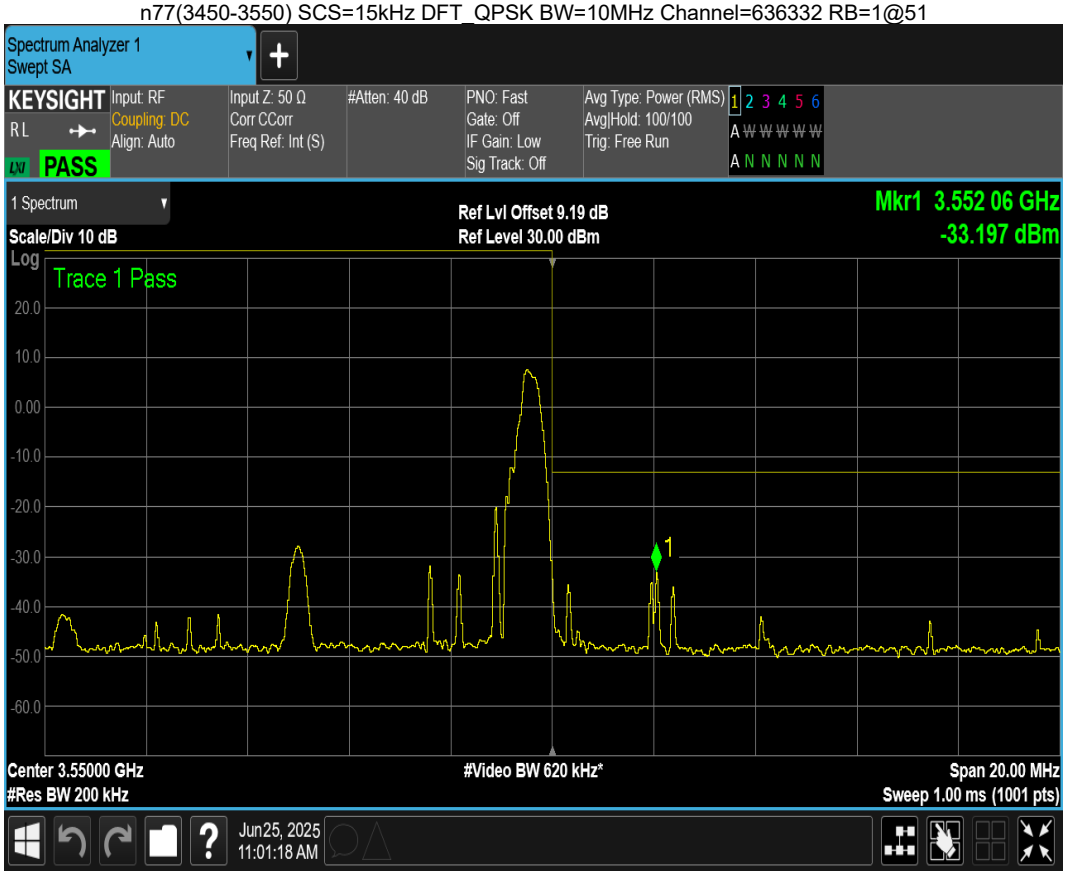
n77(3450-3550) SCS=15kHz DFT_QPSK BW=10MHz Channel=630334 RB=1@0



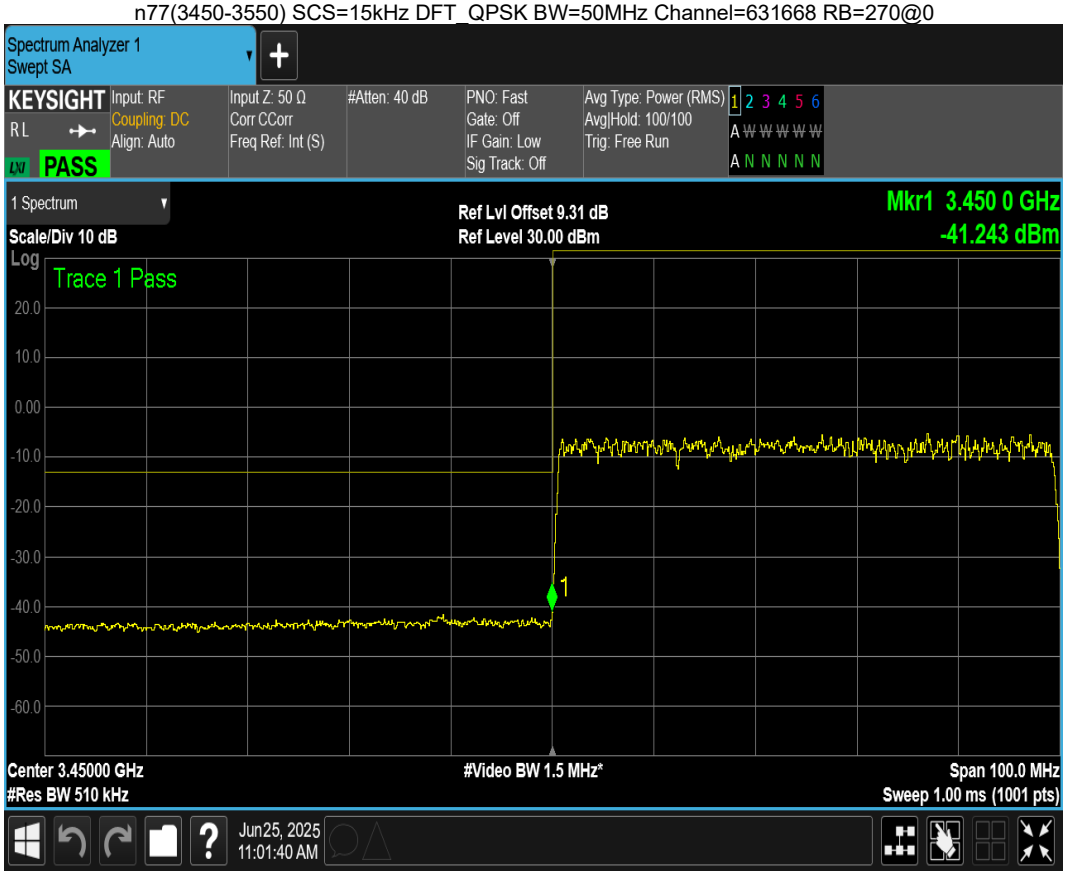
n77(3450-3550) SCS=15kHz DFT_QPSK BW=10MHz Channel=636332 RB=50@0



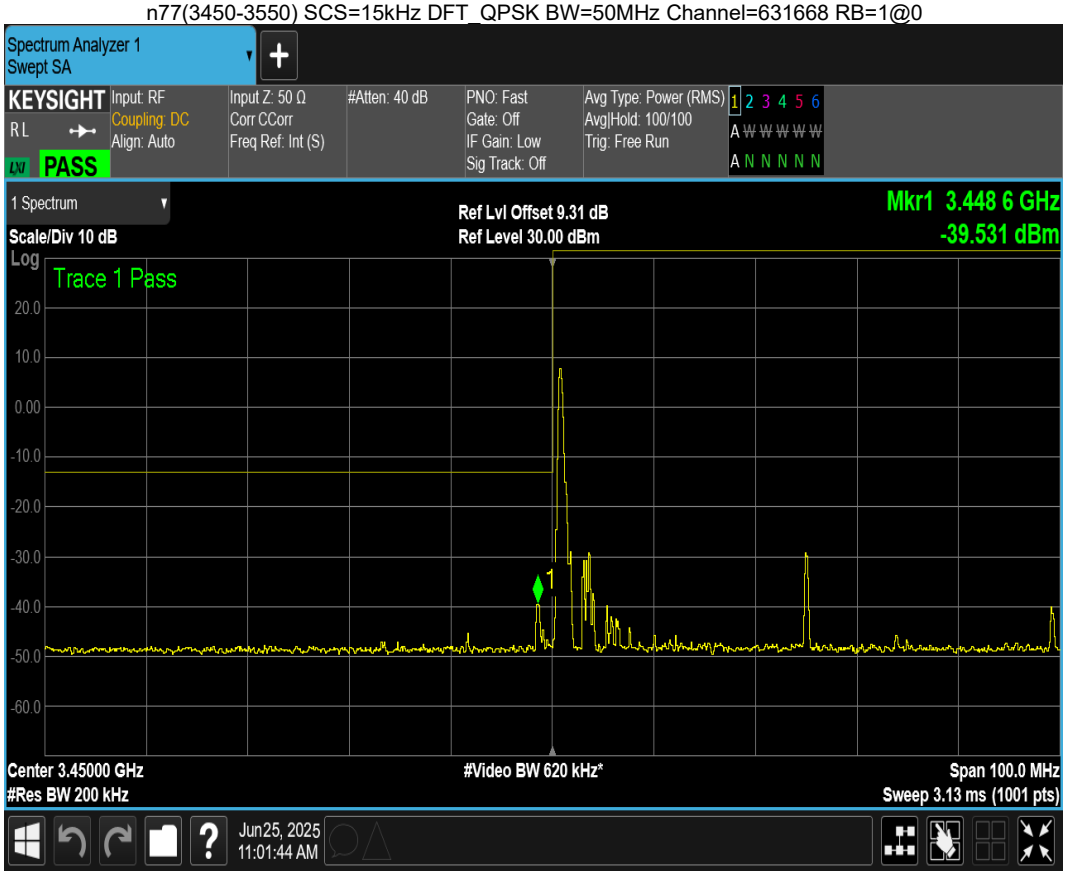
n77(3450-3550) SCS=15kHz DFT_QPSK BW=10MHz Channel=636332 RB=1@51



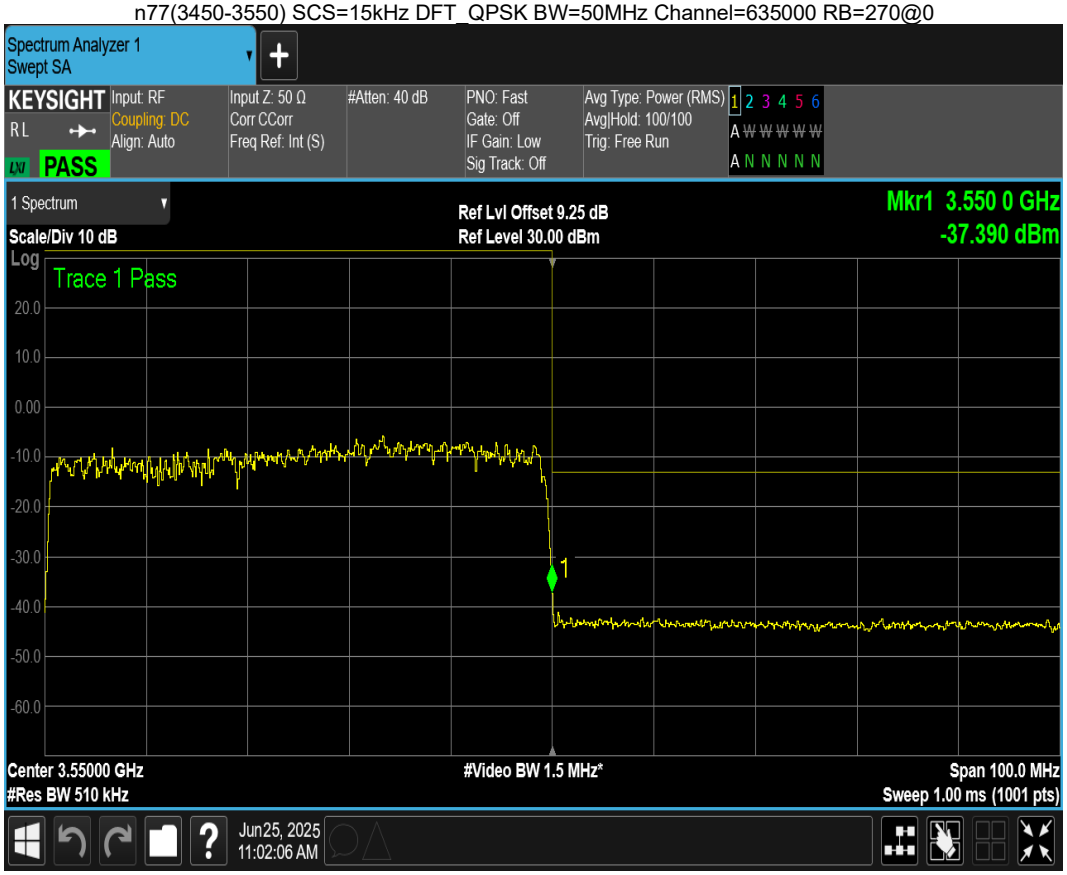
n77(3450-3550) SCS=15kHz DFT_QPSK BW=50MHz Channel=631668 RB=270@0



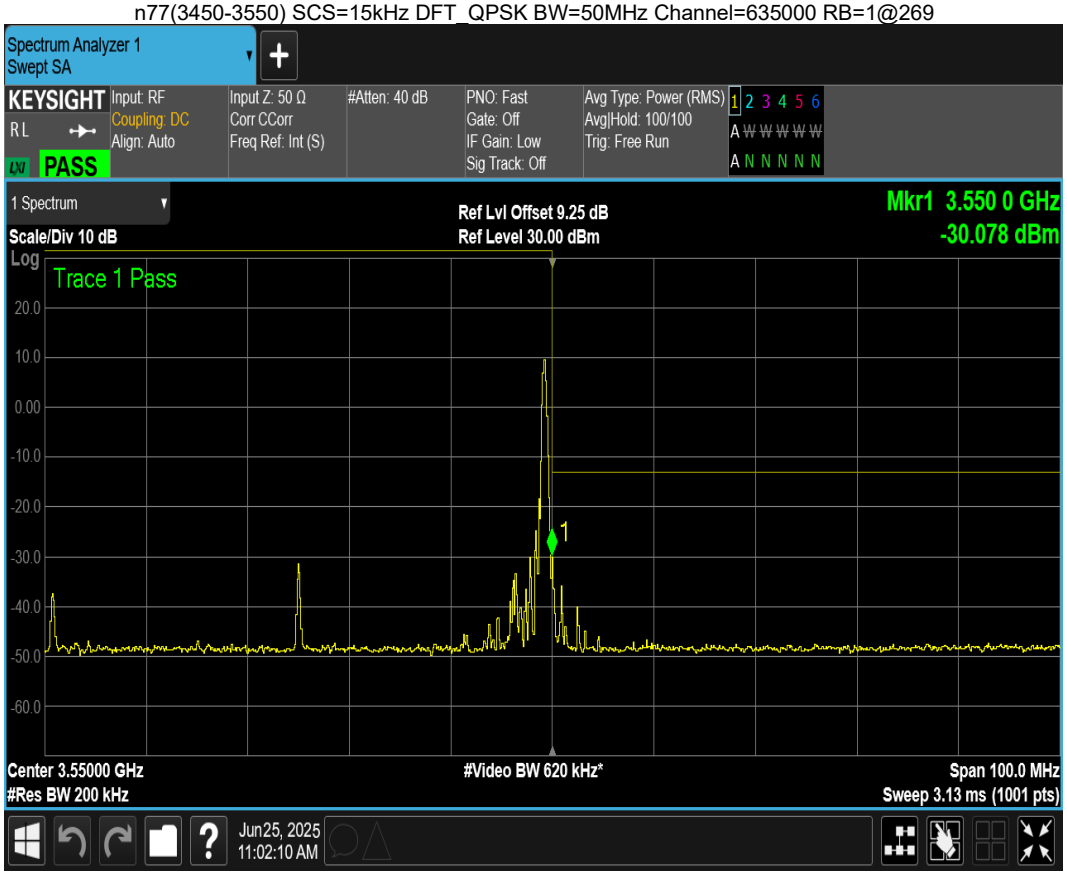
n77(3450-3550) SCS=15kHz DFT_QPSK BW=50MHz Channel=631668 RB=1@0



n77(3450-3550) SCS=15kHz DFT_QPSK BW=50MHz Channel=635000 RB=270@0



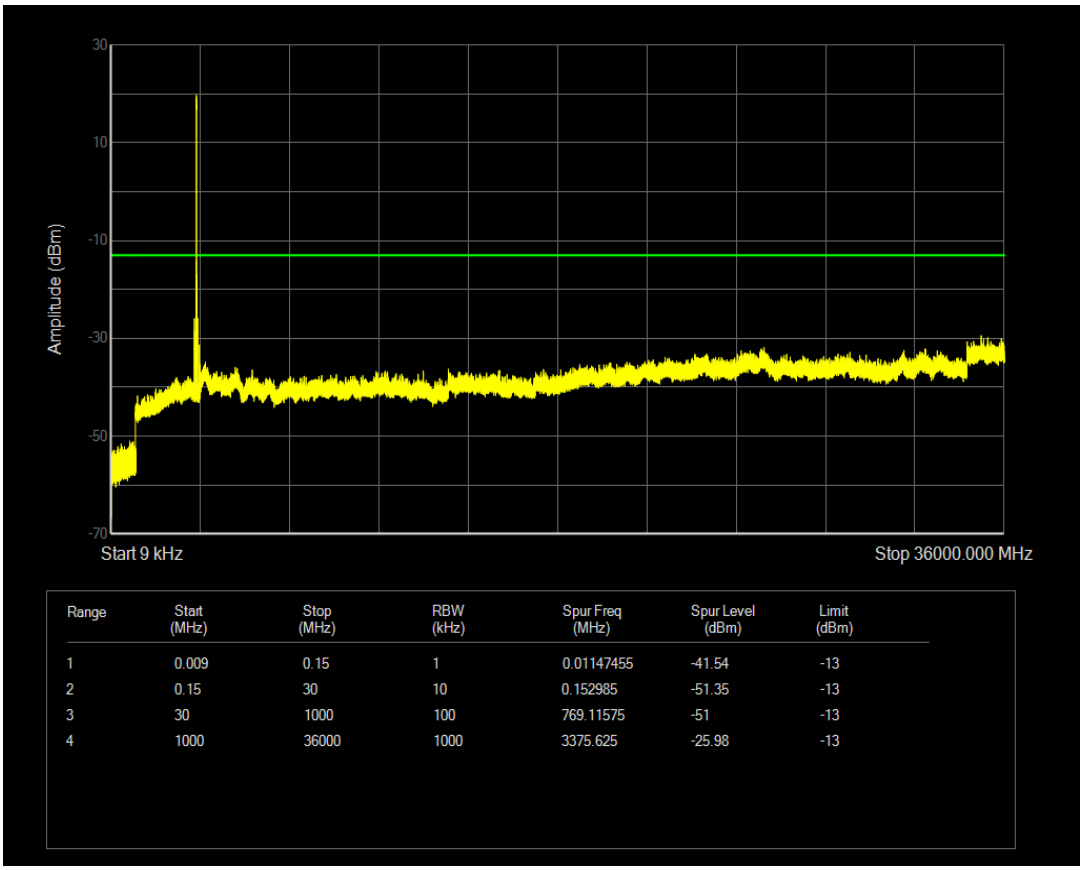
n77(3450-3550) SCS=15kHz DFT_QPSK BW=50MHz Channel=635000 RB=1@269



6 Out-of-band emissions for NR FR1

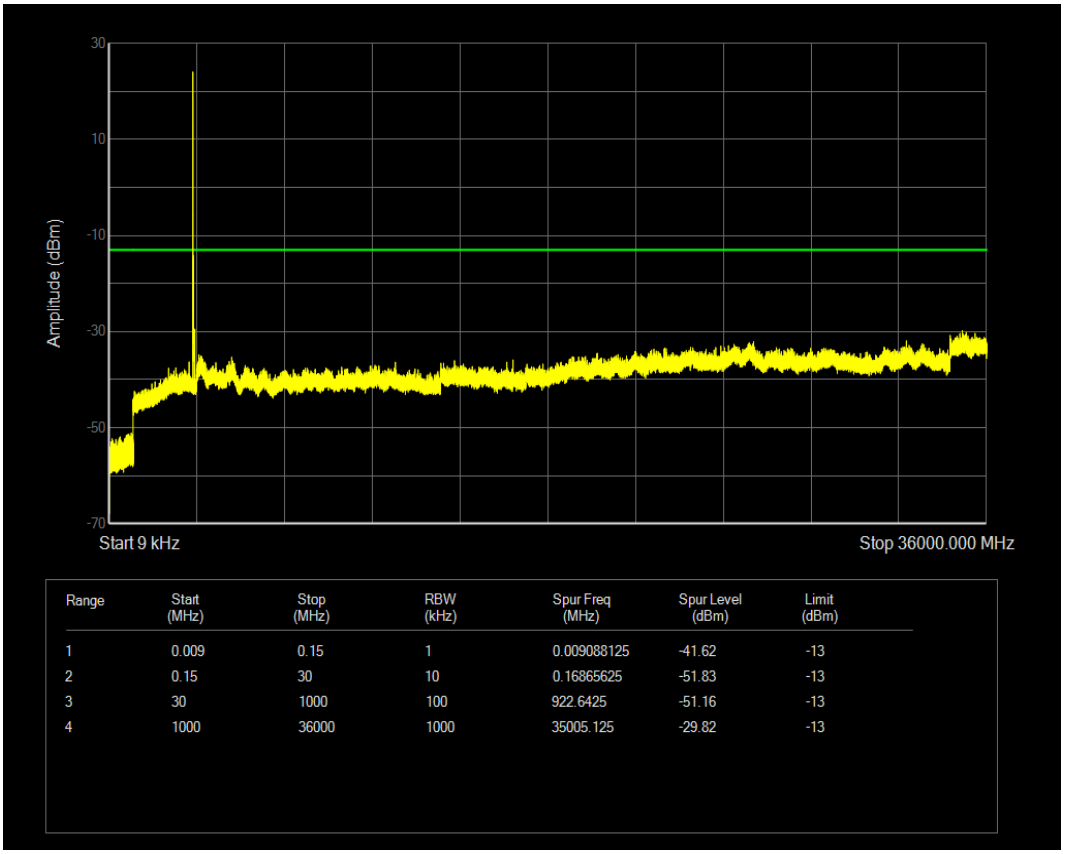
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n77(3450-3550)	15	10	630334	50@0	DFT_QPSK	3375.63	-25.98	-13	PASS
n77(3450-3550)	15	10	630334	1@0	DFT_QPSK	35005.13	-29.82	-13	PASS
n77(3450-3550)	15	10	630334	1@51	DFT_QPSK	3378.25	-29.51	-13	PASS
n77(3450-3550)	15	10	633334	50@0	DFT_QPSK	34922.88	-29.66	-13	PASS
n77(3450-3550)	15	10	633334	1@0	DFT_QPSK	35008.63	-29.99	-13	PASS
n77(3450-3550)	15	10	633334	1@51	DFT_QPSK	35007.75	-30.44	-13	PASS
n77(3450-3550)	15	10	636332	50@0	DFT_QPSK	35462.75	-29.69	-13	PASS
n77(3450-3550)	15	10	636332	1@0	DFT_QPSK	35079.50	-29.90	-13	PASS
n77(3450-3550)	15	10	636332	1@51	DFT_QPSK	3603.13	-26.52	-13	PASS
n77(3450-3550)	15	50	631668	270@0	DFT_QPSK	35846.00	-29.36	-13	PASS
n77(3450-3550)	15	50	631668	1@0	DFT_QPSK	35118.88	-29.17	-13	PASS
n77(3450-3550)	15	50	631668	1@269	DFT_QPSK	34954.38	-30.00	-13	PASS
n77(3450-3550)	15	50	633334	270@0	DFT_QPSK	35069.88	-29.31	-13	PASS
n77(3450-3550)	15	50	633334	1@0	DFT_QPSK	35060.25	-29.03	-13	PASS
n77(3450-3550)	15	50	633334	1@269	DFT_QPSK	35141.63	-30.35	-13	PASS
n77(3450-3550)	15	50	635000	270@0	DFT_QPSK	34998.13	-28.69	-13	PASS
n77(3450-3550)	15	50	635000	1@0	DFT_QPSK	35050.63	-29.52	-13	PASS
n77(3450-3550)	15	50	635000	1@269	DFT_QPSK	34775.00	-30.08	-13	PASS

n77(3450-3550) SCS=15kHz DFT_QPSK BW=10MHz Channel=630334 RB=50@0



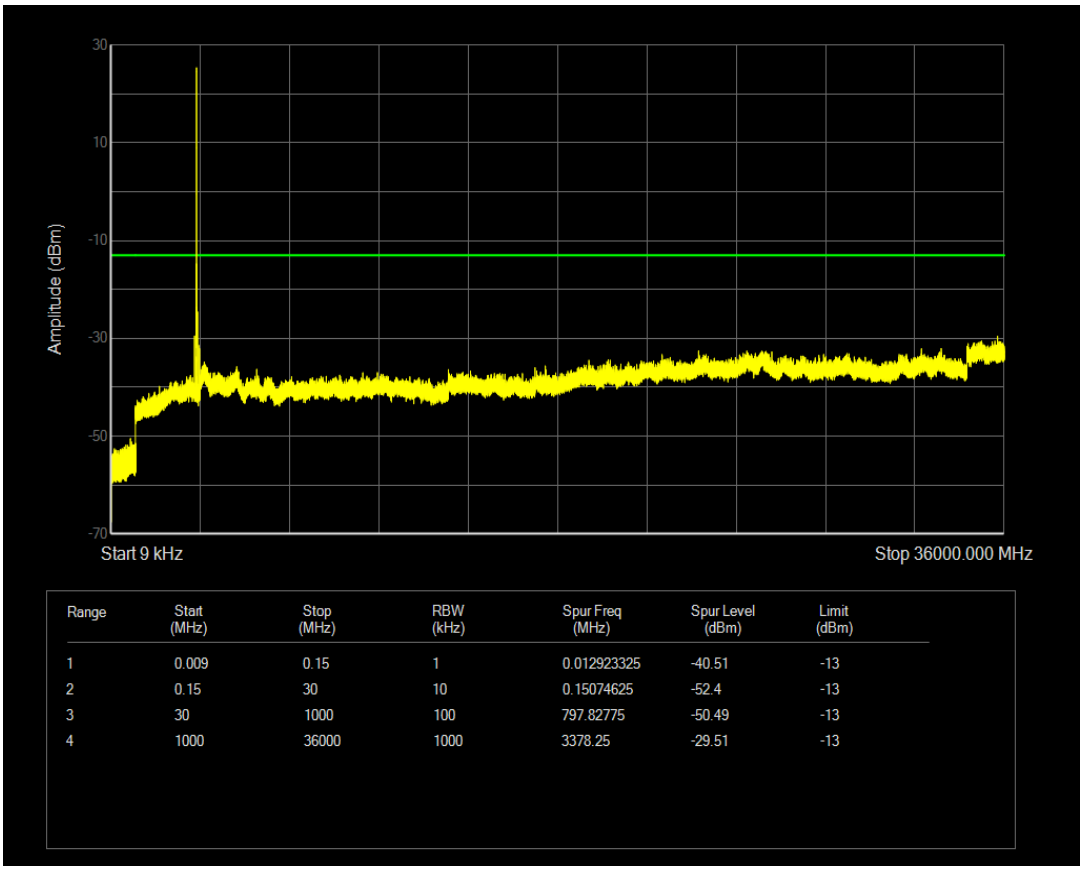
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01147455	-41.54	-13
2	0.15	30	10	0.152985	-51.35	-13
3	30	1000	100	769.11575	-51	-13
4	1000	36000	1000	3375.625	-25.98	-13

n77(3450-3550) SCS=15kHz DFT_QPSK BW=10MHz Channel=630334 RB=1@0



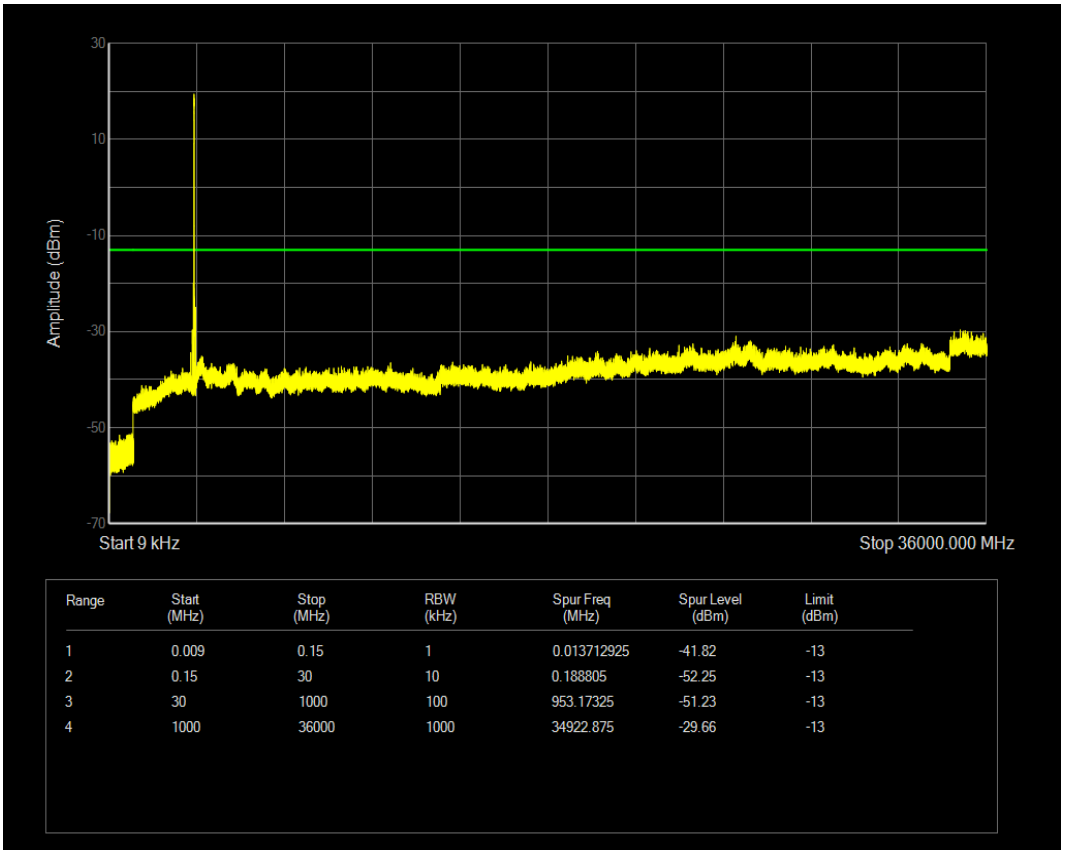
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009088125	-41.62	-13
2	0.15	30	10	0.16865625	-51.83	-13
3	30	1000	100	922.6425	-51.16	-13
4	1000	36000	1000	35005.125	-29.82	-13

n77(3450-3550) SCS=15kHz DFT_QPSK BW=10MHz Channel=630334 RB=1@51



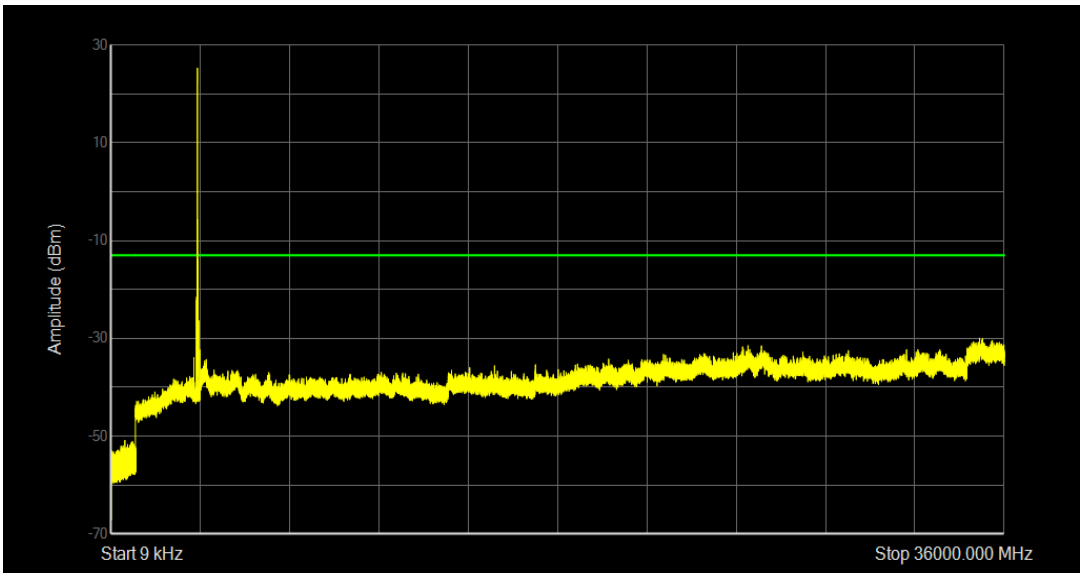
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012923325	-40.51	-13
2	0.15	30	10	0.15074625	-52.4	-13
3	30	1000	100	797.82775	-50.49	-13
4	1000	36000	1000	3378.25	-29.51	-13

n77(3450-3550) SCS=15kHz DFT_QPSK BW=10MHz Channel=633334 RB=50@0



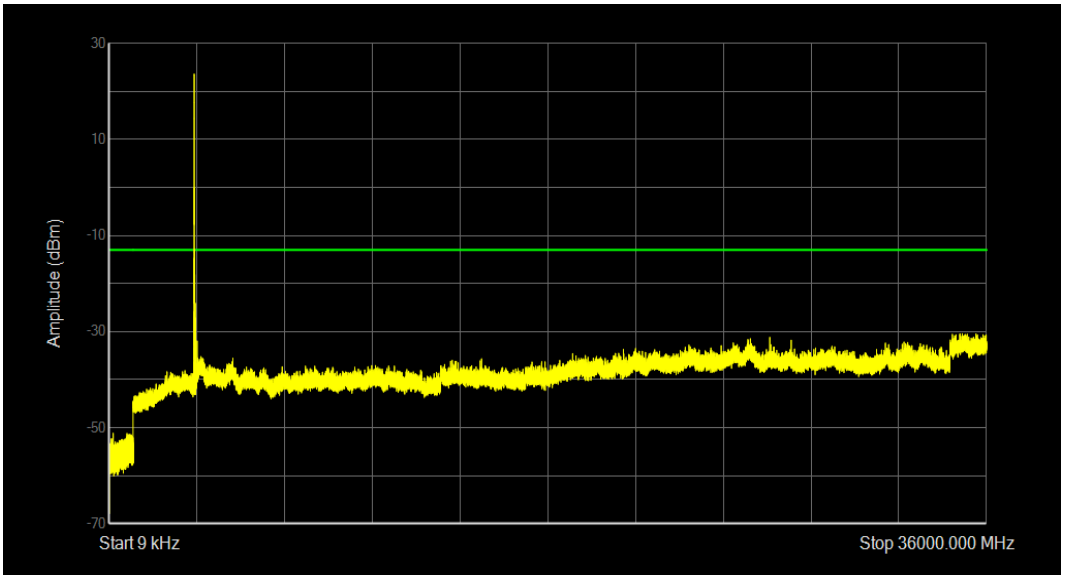
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013712925	-41.82	-13
2	0.15	30	10	0.188805	-52.25	-13
3	30	1000	100	953.17325	-51.23	-13
4	1000	36000	1000	34922.875	-29.66	-13

n77(3450-3550) SCS=15kHz DFT_QPSK BW=10MHz Channel=633334 RB=1@0



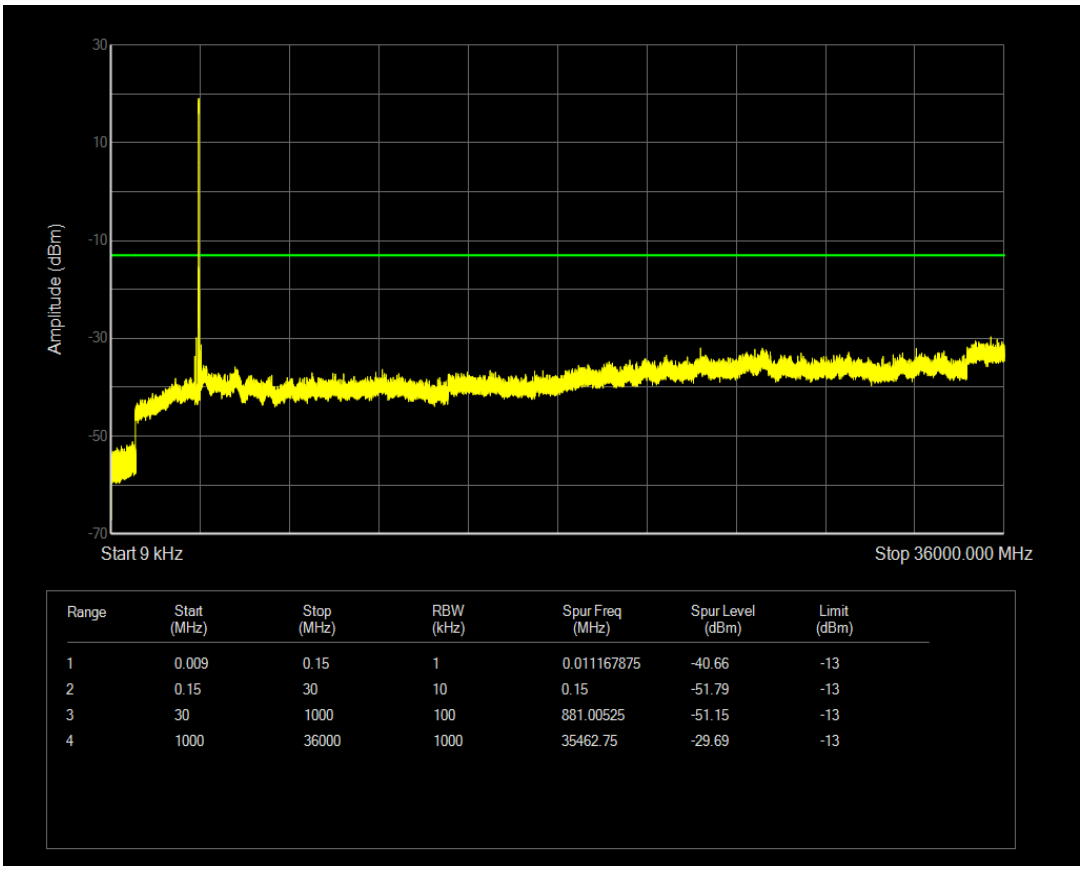
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01026195	-41.19	-13
2	0.15	30	10	0.17164125	-51.79	-13
3	30	1000	100	574.58225	-50.88	-13
4	1000	36000	1000	35008.625	-29.99	-13

n77(3450-3550) SCS=15kHz DFT_QPSK BW=10MHz Channel=633334 RB=1@51



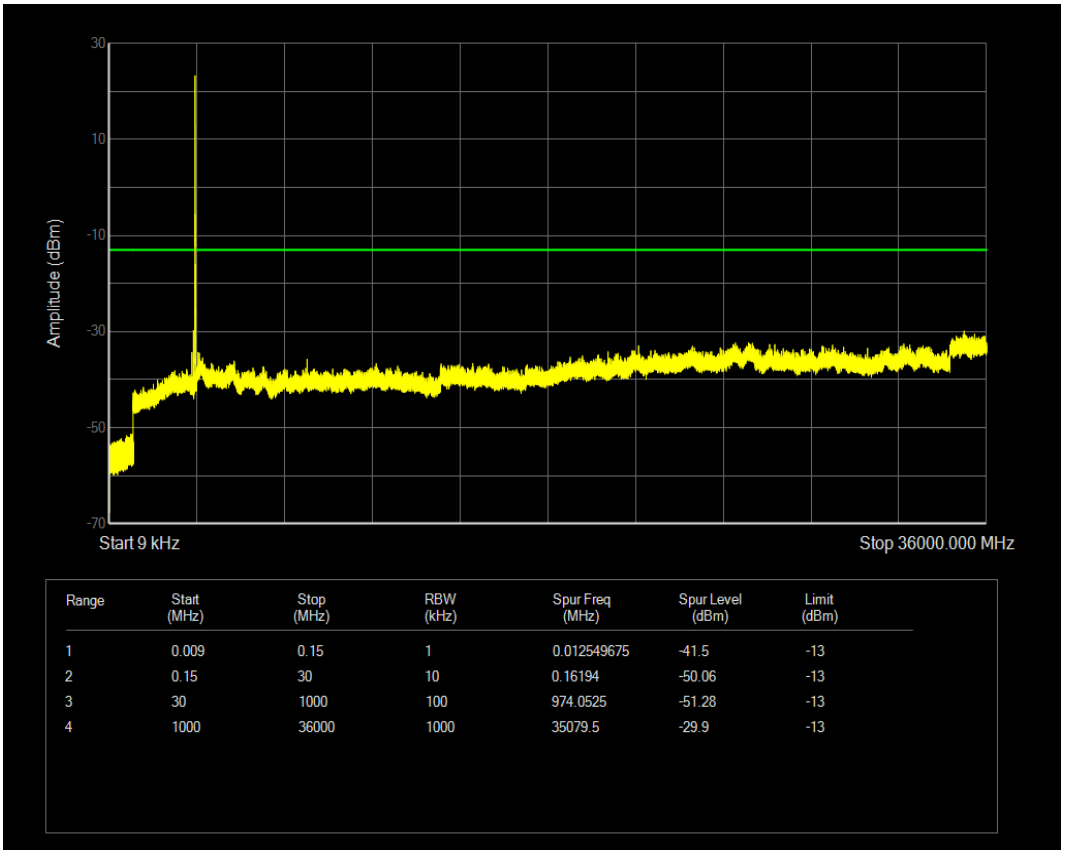
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011238375	-41.26	-13
2	0.15	30	10	0.15	-51.25	-13
3	30	1000	100	183.18725	-51.17	-13
4	1000	36000	1000	35007.75	-30.44	-13

n77(3450-3550) SCS=15kHz DFT_QPSK BW=10MHz Channel=636332 RB=50@0



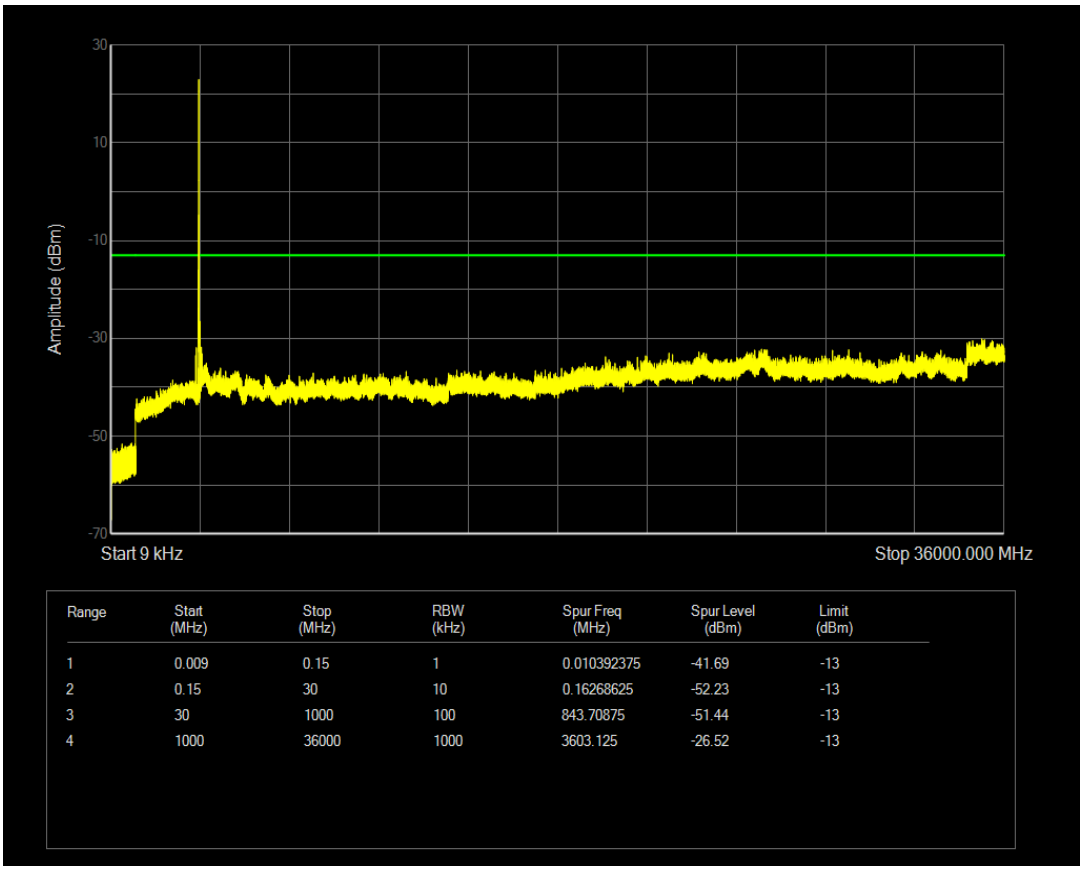
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011167875	-40.66	-13
2	0.15	30	10	0.15	-51.79	-13
3	30	1000	100	881.00525	-51.15	-13
4	1000	36000	1000	35462.75	-29.69	-13

n77(3450-3550) SCS=15kHz DFT_QPSK BW=10MHz Channel=636332 RB=1@0



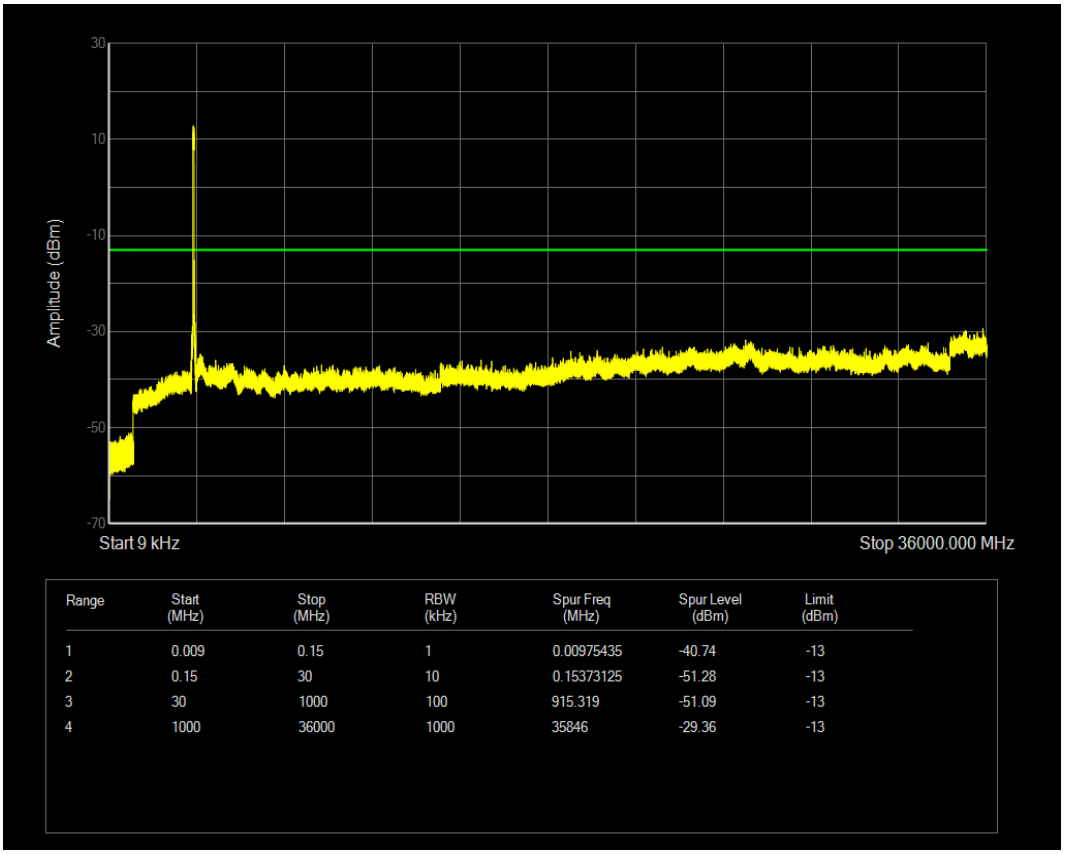
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012549675	-41.5	-13
2	0.15	30	10	0.16194	-50.06	-13
3	30	1000	100	974.0525	-51.28	-13
4	1000	36000	1000	35079.5	-29.9	-13

n77(3450-3550) SCS=15kHz DFT_QPSK BW=10MHz Channel=636332 RB=1@51



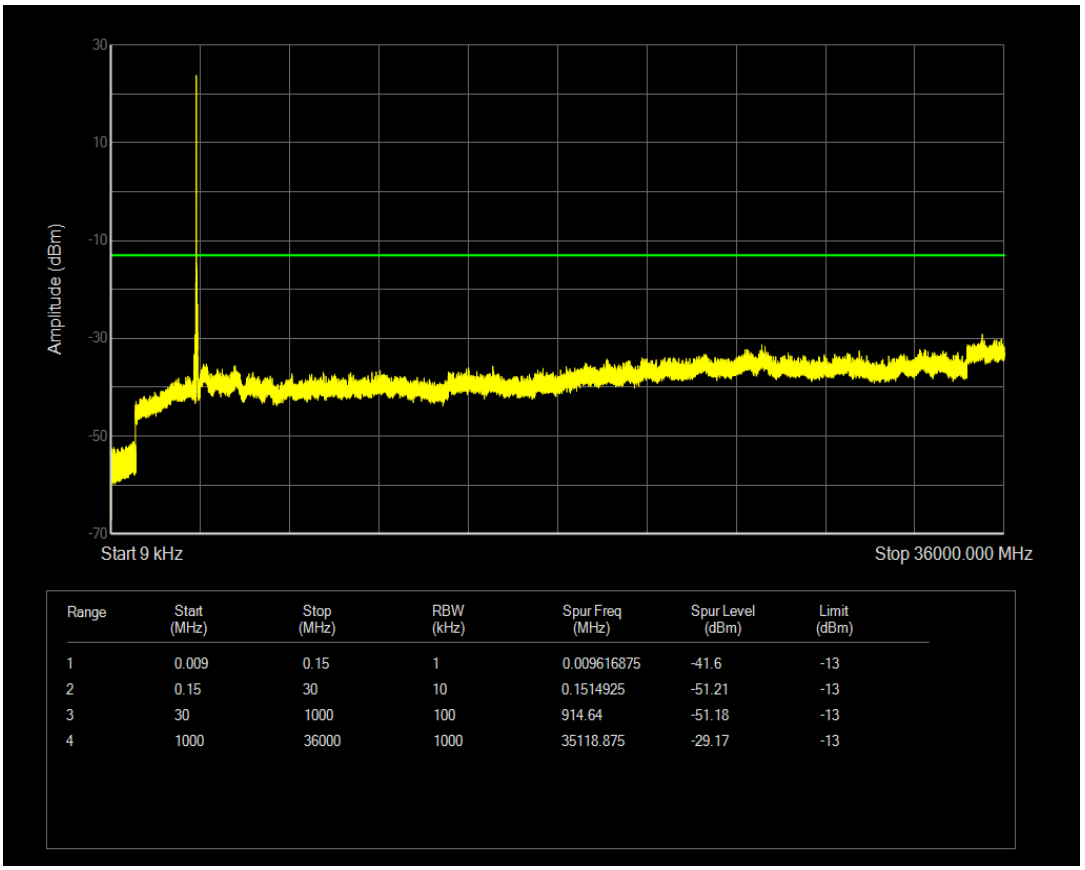
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010392375	-41.69	-13
2	0.15	30	10	0.16268625	-52.23	-13
3	30	1000	100	843.70875	-51.44	-13
4	1000	36000	1000	3603.125	-26.52	-13

n77(3450-3550) SCS=15kHz DFT_QPSK BW=50MHz Channel=631668 RB=270@0



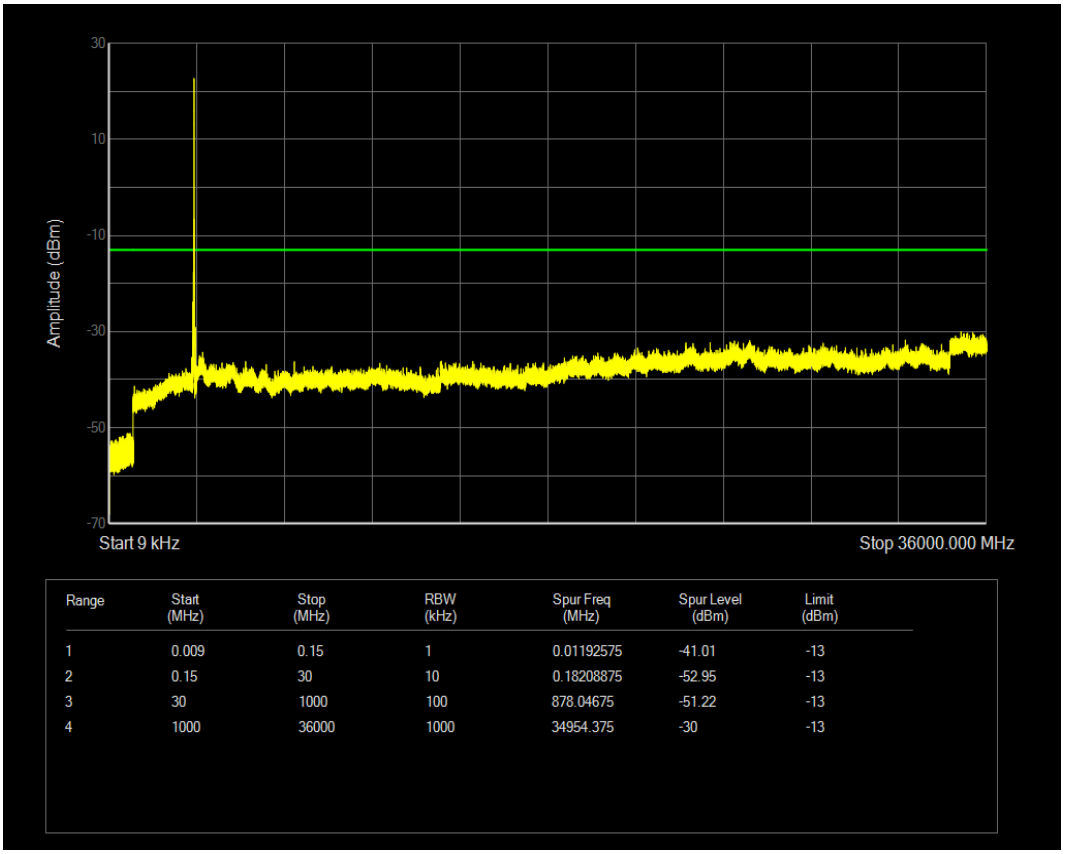
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00975435	-40.74	-13
2	0.15	30	10	0.15373125	-51.28	-13
3	30	1000	100	915.319	-51.09	-13
4	1000	36000	1000	35846	-29.36	-13

n77(3450-3550) SCS=15kHz DFT_QPSK BW=50MHz Channel=631668 RB=1@0



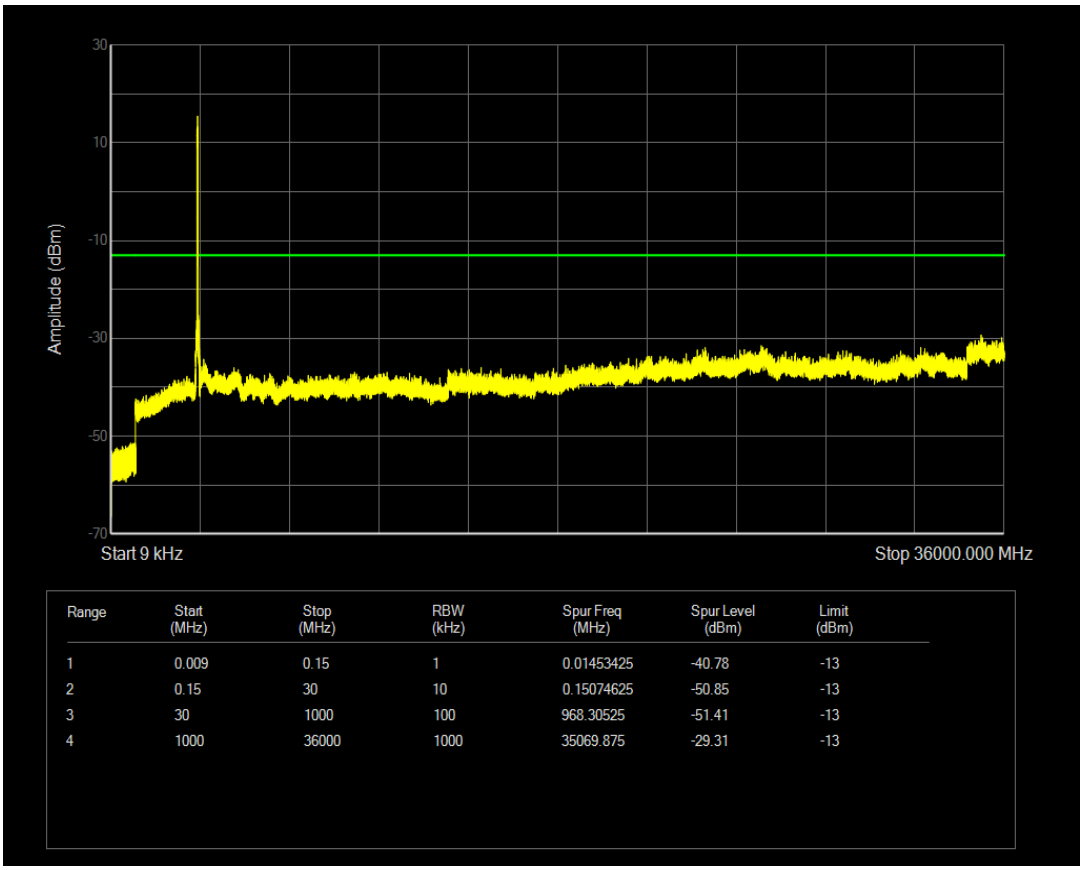
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009616875	-41.6	-13
2	0.15	30	10	0.1514925	-51.21	-13
3	30	1000	100	914.64	-51.18	-13
4	1000	36000	1000	35118.875	-29.17	-13

n77(3450-3550) SCS=15kHz DFT_QPSK BW=50MHz Channel=631668 RB=1@269



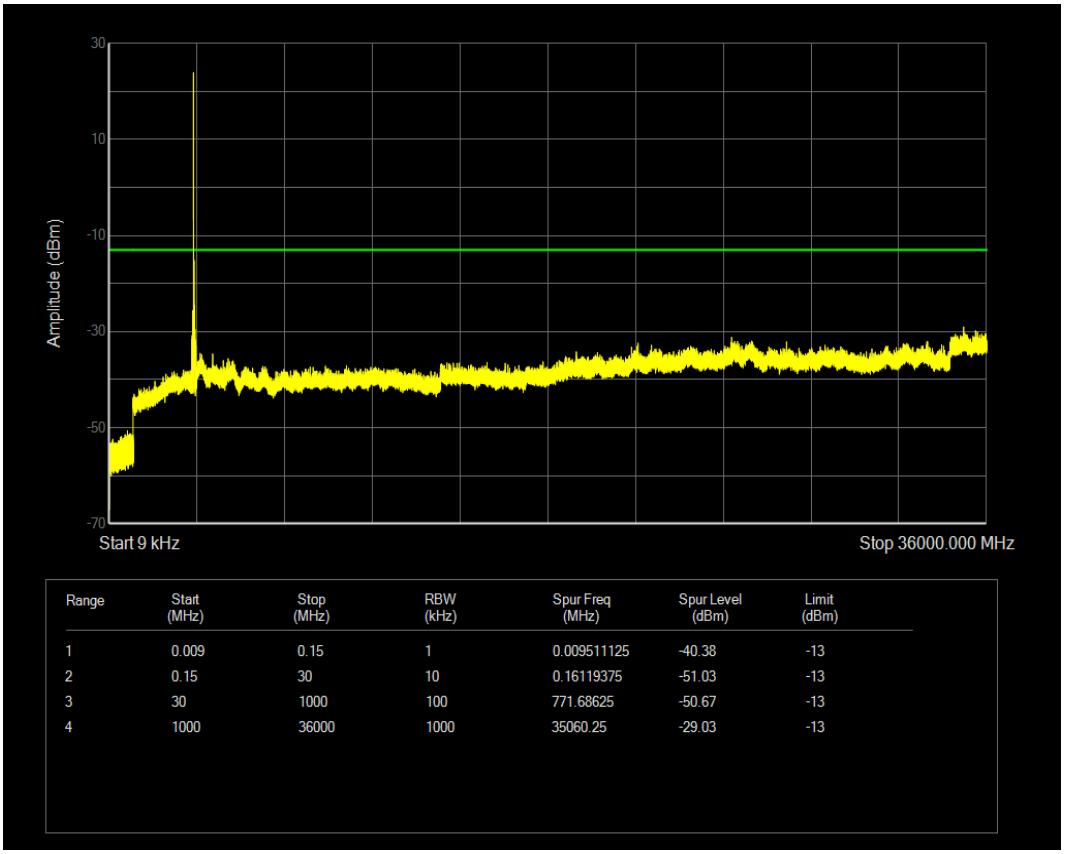
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01192575	-41.01	-13
2	0.15	30	10	0.18208875	-52.95	-13
3	30	1000	100	878.04675	-51.22	-13
4	1000	36000	1000	34954.375	-30	-13

n77(3450-3550) SCS=15kHz DFT_QPSK BW=50MHz Channel=633334 RB=270@0



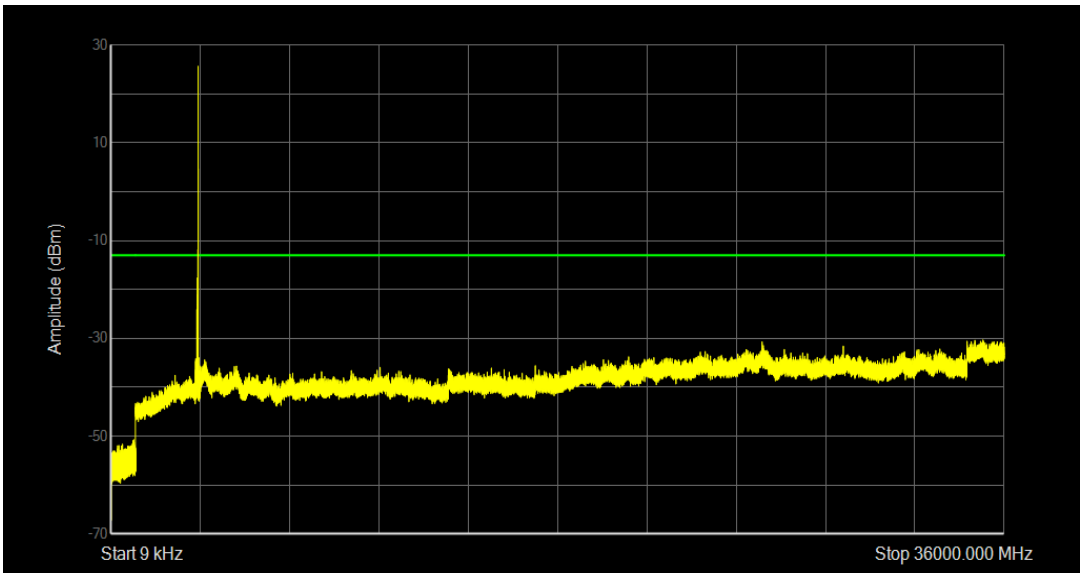
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01453425	-40.78	-13
2	0.15	30	10	0.15074625	-50.85	-13
3	30	1000	100	968.30525	-51.41	-13
4	1000	36000	1000	35069.875	-29.31	-13

n77(3450-3550) SCS=15kHz DFT_QPSK BW=50MHz Channel=633334 RB=1@0



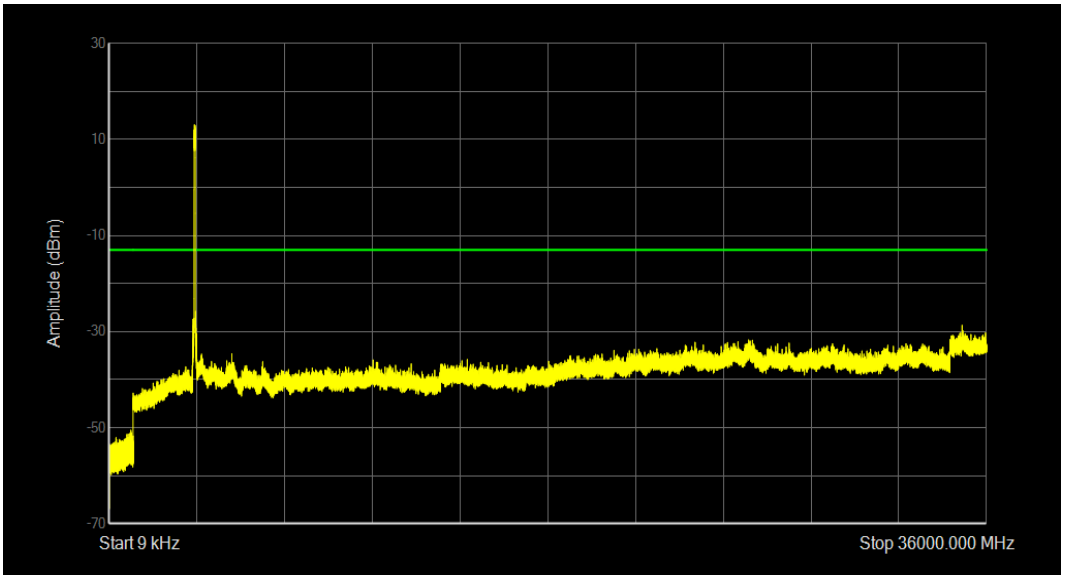
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009511125	-40.38	-13
2	0.15	30	10	0.16119375	-51.03	-13
3	30	1000	100	771.68625	-50.67	-13
4	1000	36000	1000	35060.25	-29.03	-13

n77(3450-3550) SCS=15kHz DFT_QPSK BW=50MHz Channel=633334 RB=1@269



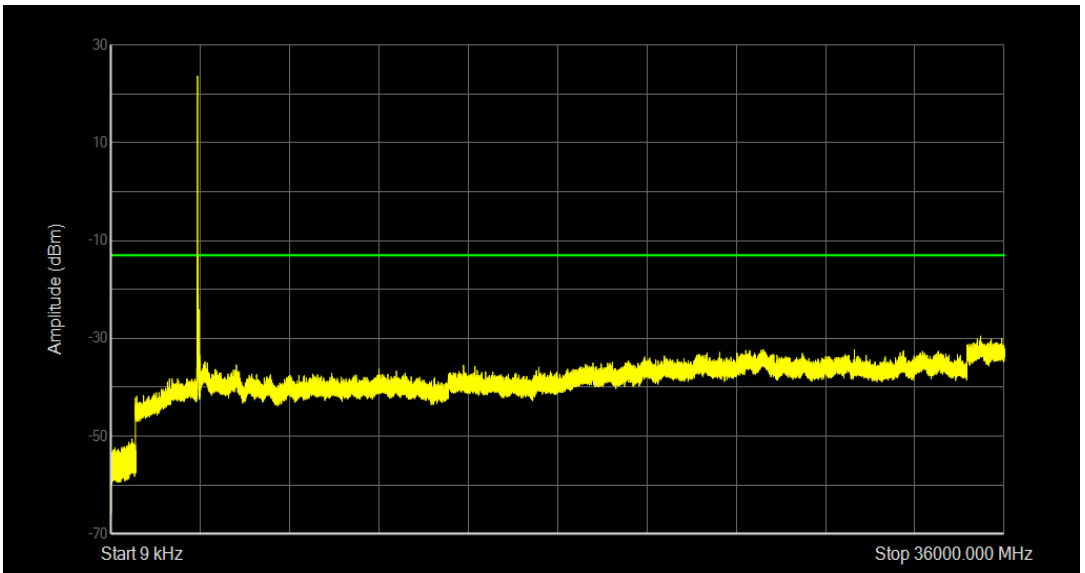
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011816475	-40.56	-13
2	0.15	30	10	0.15671625	-50.49	-13
3	30	1000	100	931.44525	-50.77	-13
4	1000	36000	1000	35141.625	-30.35	-13

n77(3450-3550) SCS=15kHz DFT_QPSK BW=50MHz Channel=635000 RB=270@0



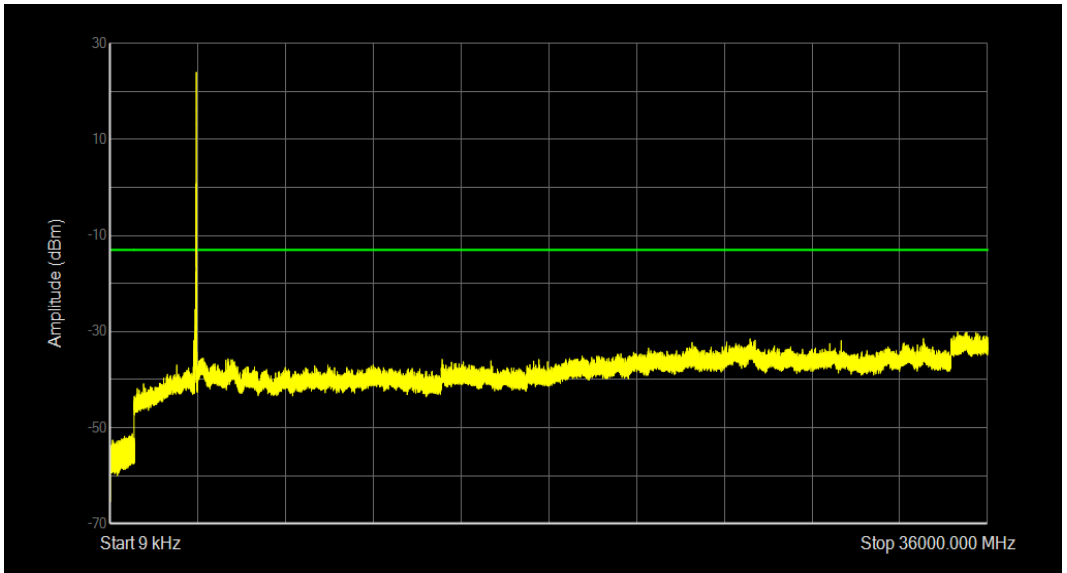
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014171175	-40.96	-13
2	0.15	30	10	0.15	-52.34	-13
3	30	1000	100	909.2565	-50.55	-13
4	1000	36000	1000	34998.125	-28.69	-13

n77(3450-3550) SCS=15kHz DFT_QPSK BW=50MHz Channel=635000 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010484025	-40.51	-13
2	0.15	30	10	0.15522375	-51.67	-13
3	30	1000	100	860.6595	-50.58	-13
4	1000	36000	1000	35050.625	-29.52	-13

n77(3450-3550) SCS=15kHz DFT_QPSK BW=50MHz Channel=635000 RB=1@269



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012486225	-40.52	-13
2	0.15	30	10	0.1574625	-51.53	-13
3	30	1000	100	921.139	-51.26	-13
4	1000	36000	1000	34775	-30.08	-13

********** **End of Report** **********