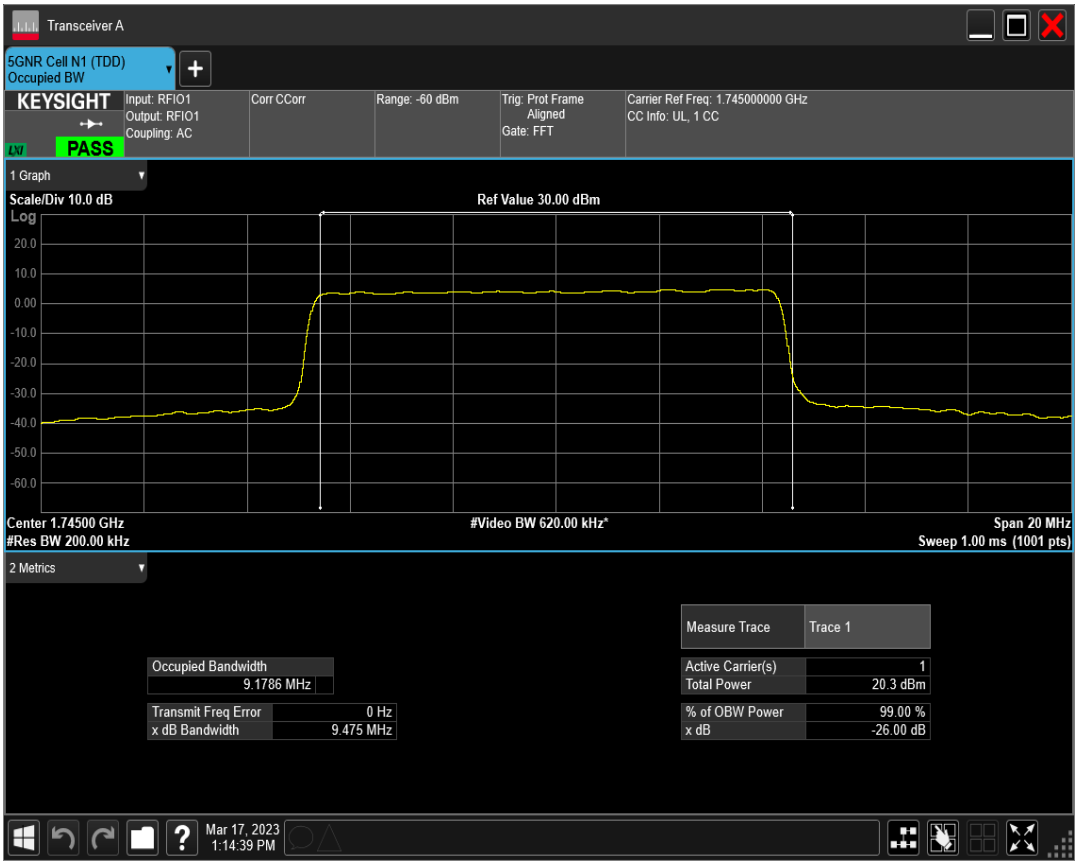
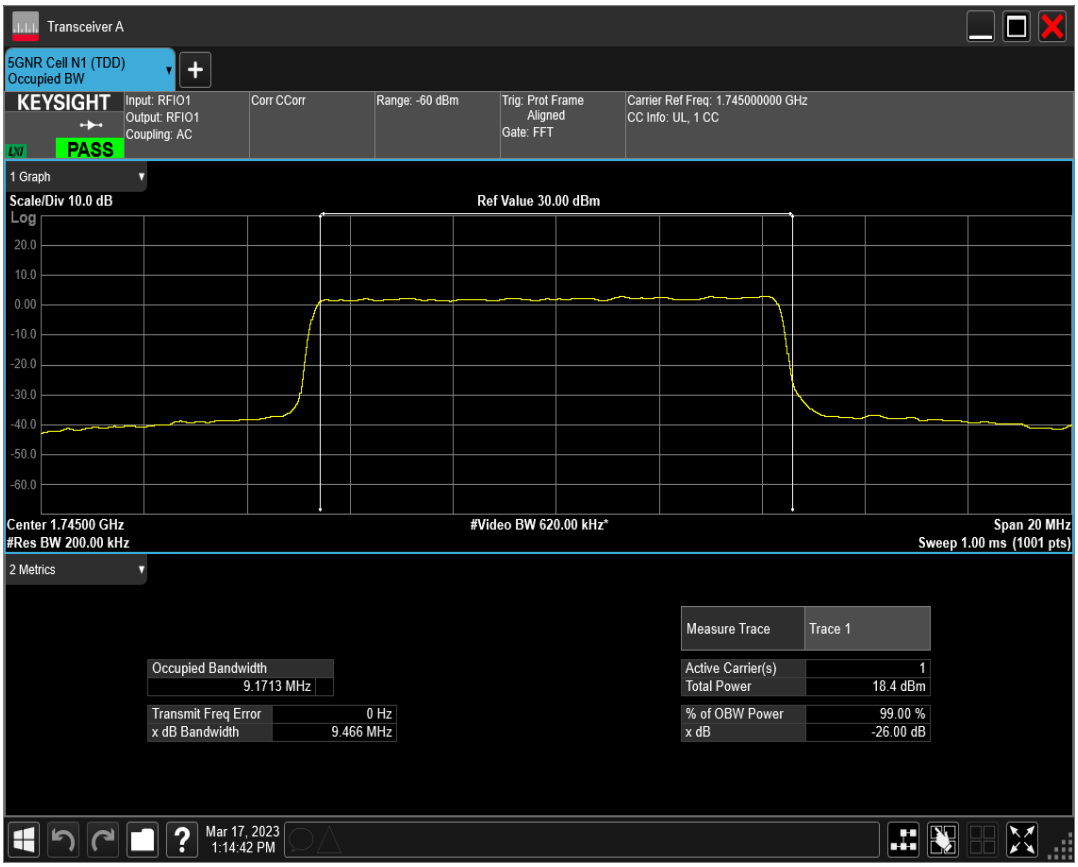
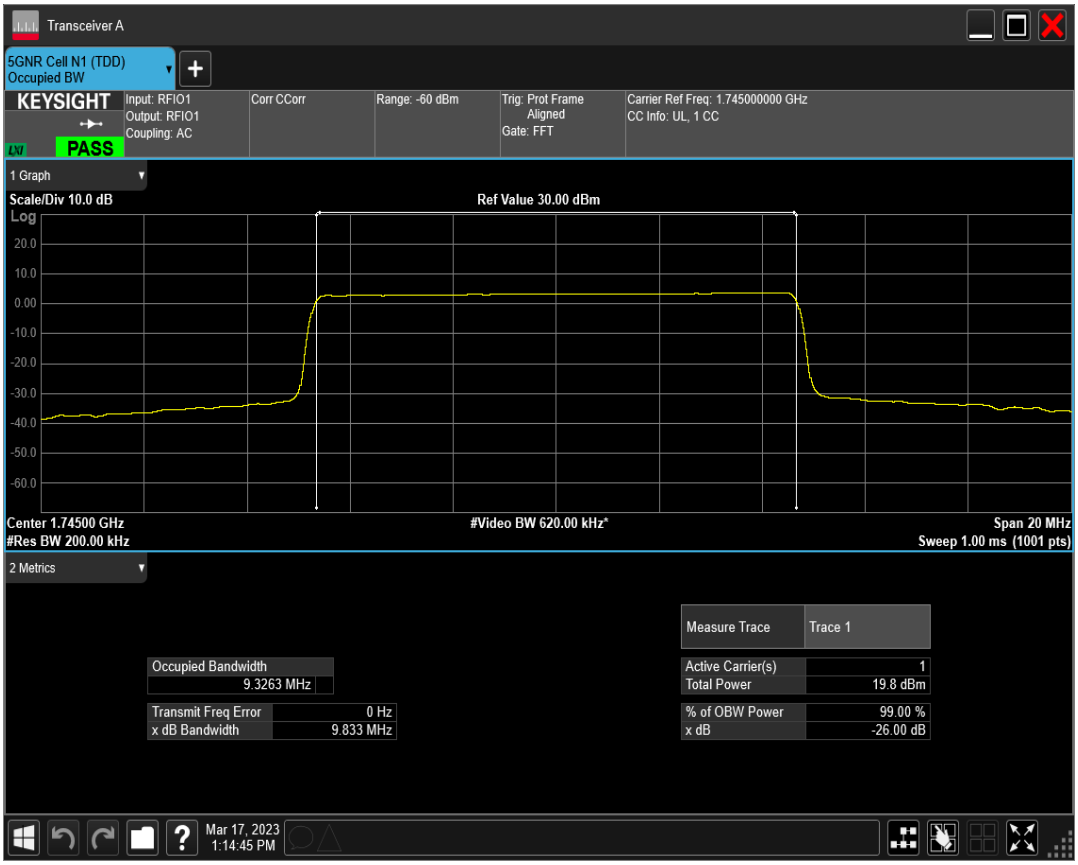
n66 SCS=15kHz DFT_QAM64 BW=10MHz Channel=349000 RB=50@0



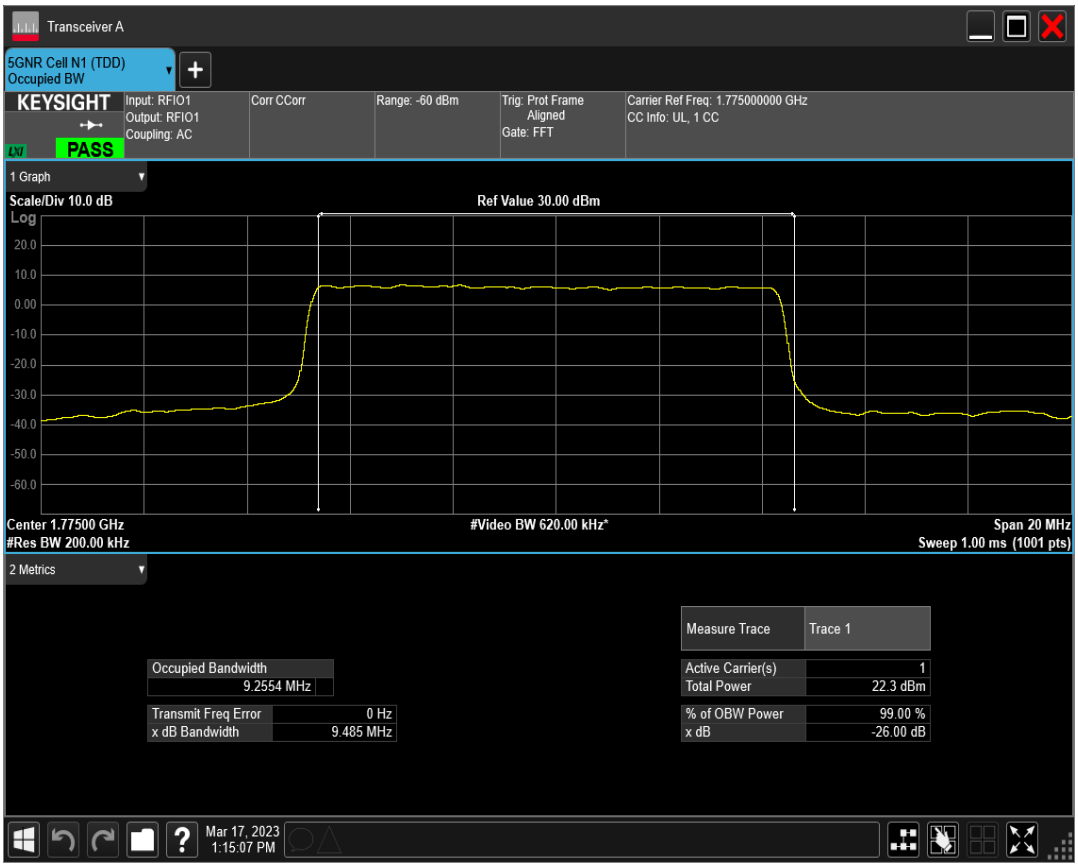
n66 SCS=15kHz DFT_QAM256 BW=10MHz Channel=349000 RB=50@0



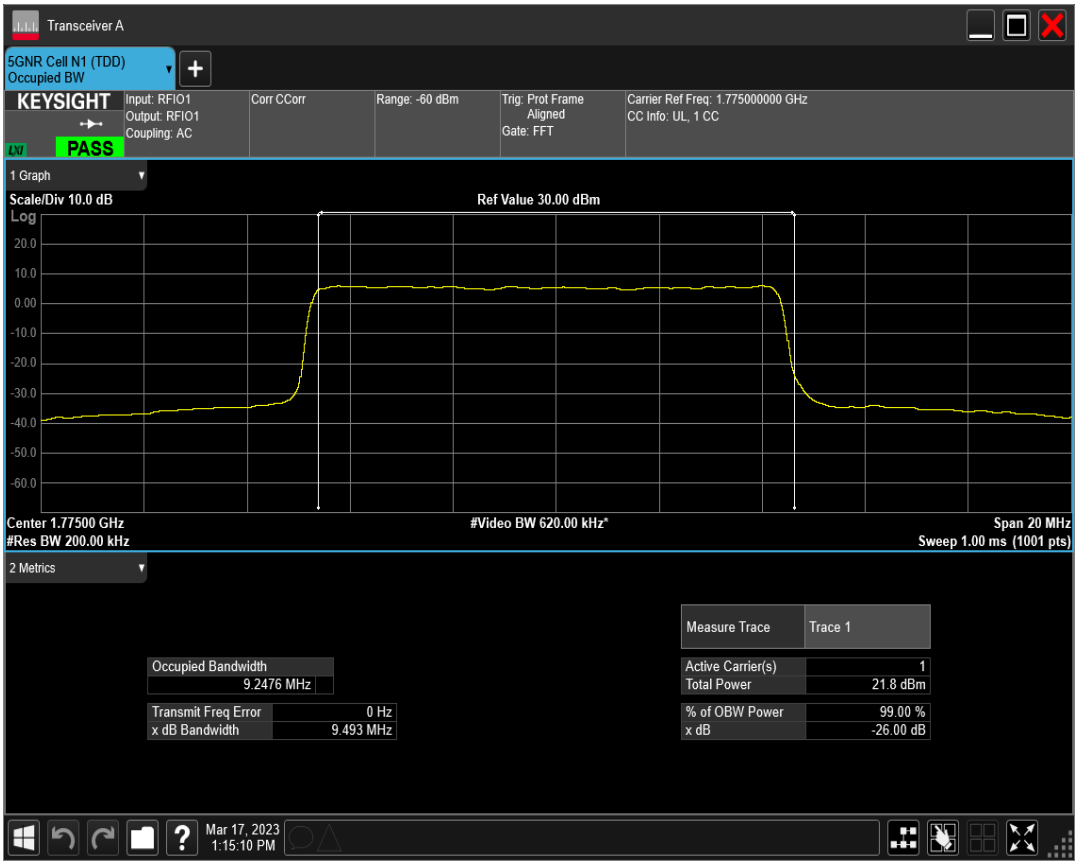
n66 SCS=15kHz CP_QPSK BW=10MHz Channel=349000 RB=52@0



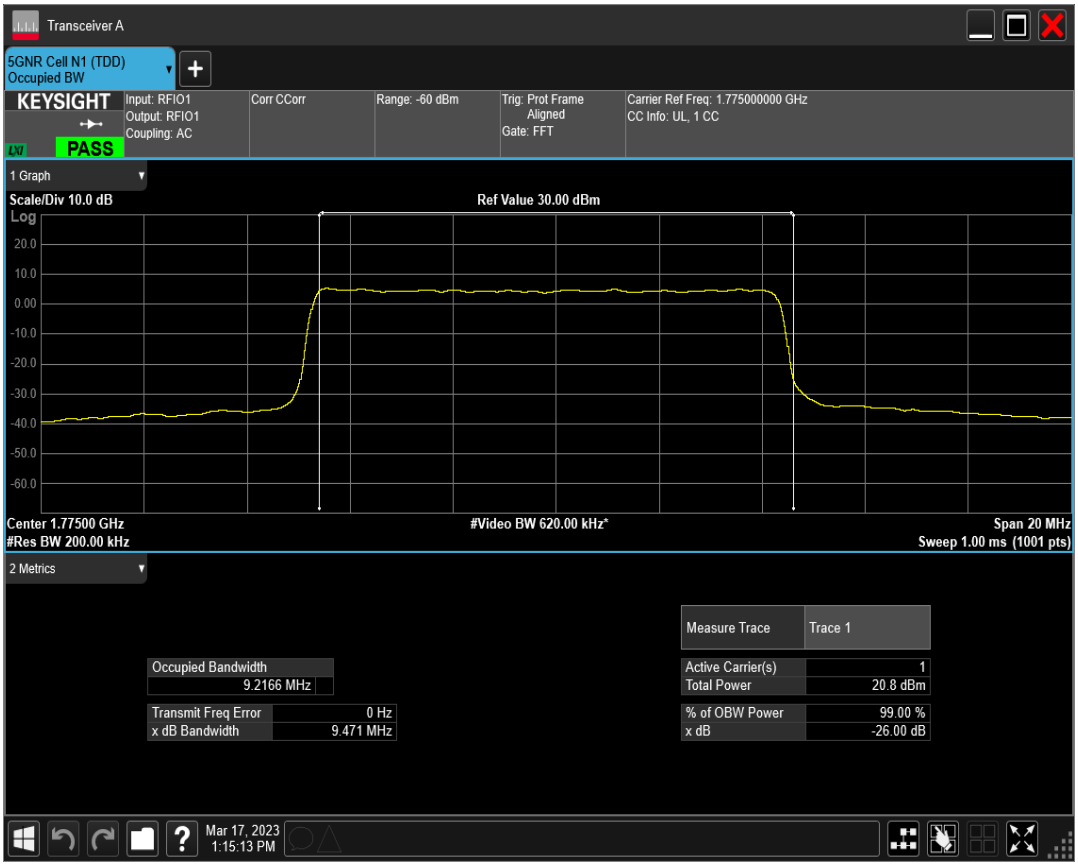
n66 SCS=15kHz DFT_BPSK BW=10MHz Channel=355000 RB=50@0



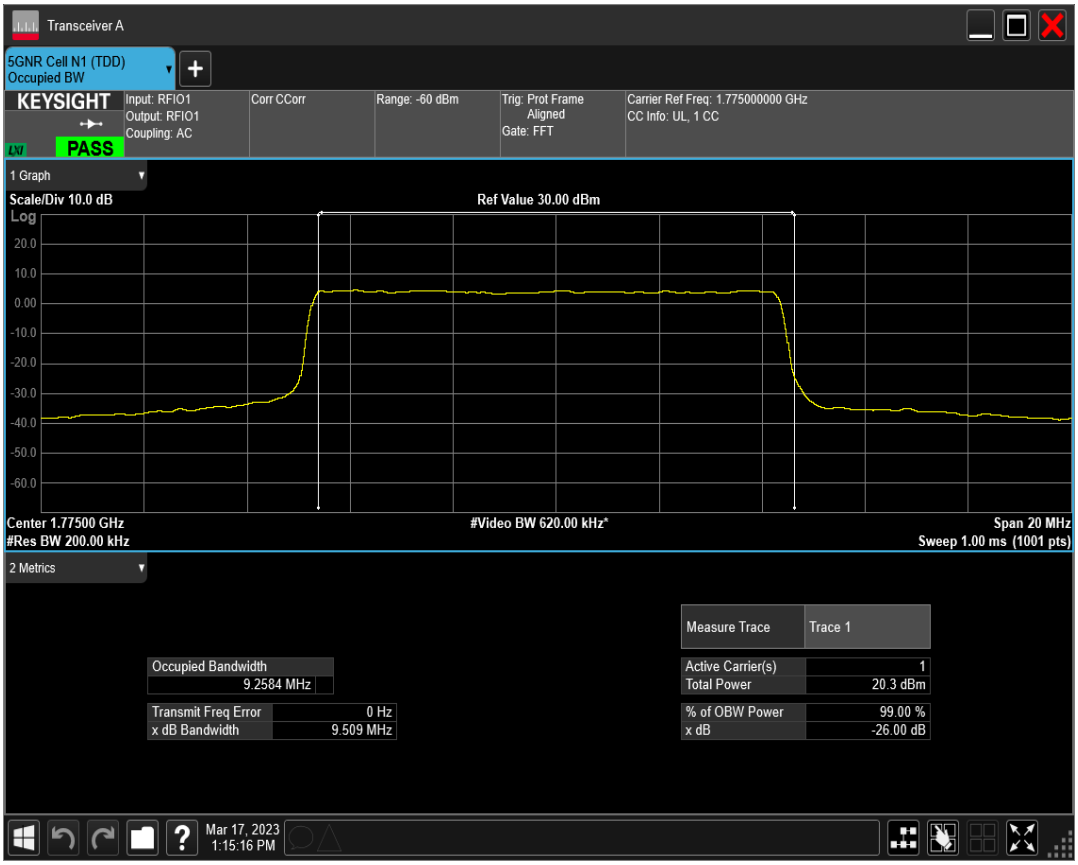
n66 SCS=15kHz DFT_QPSK BW=10MHz Channel=355000 RB=50@0



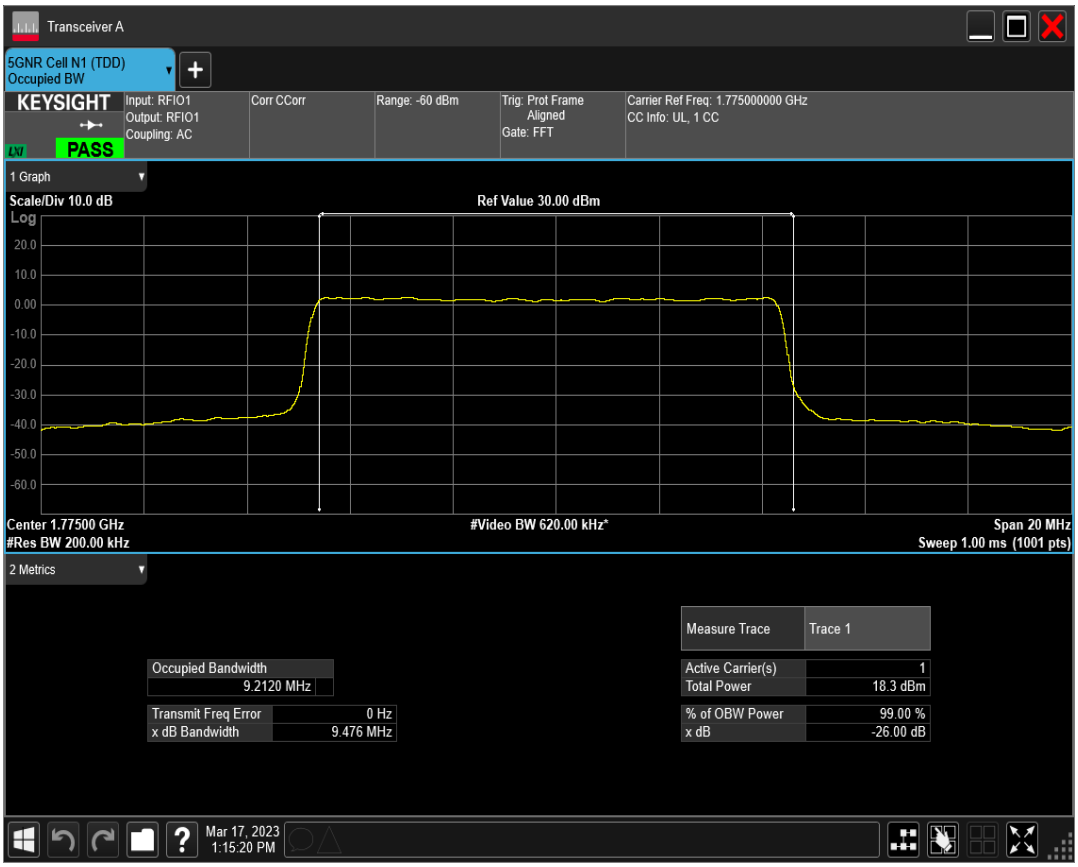
n66 SCS=15kHz DFT_QAM16 BW=10MHz Channel=355000 RB=50@0



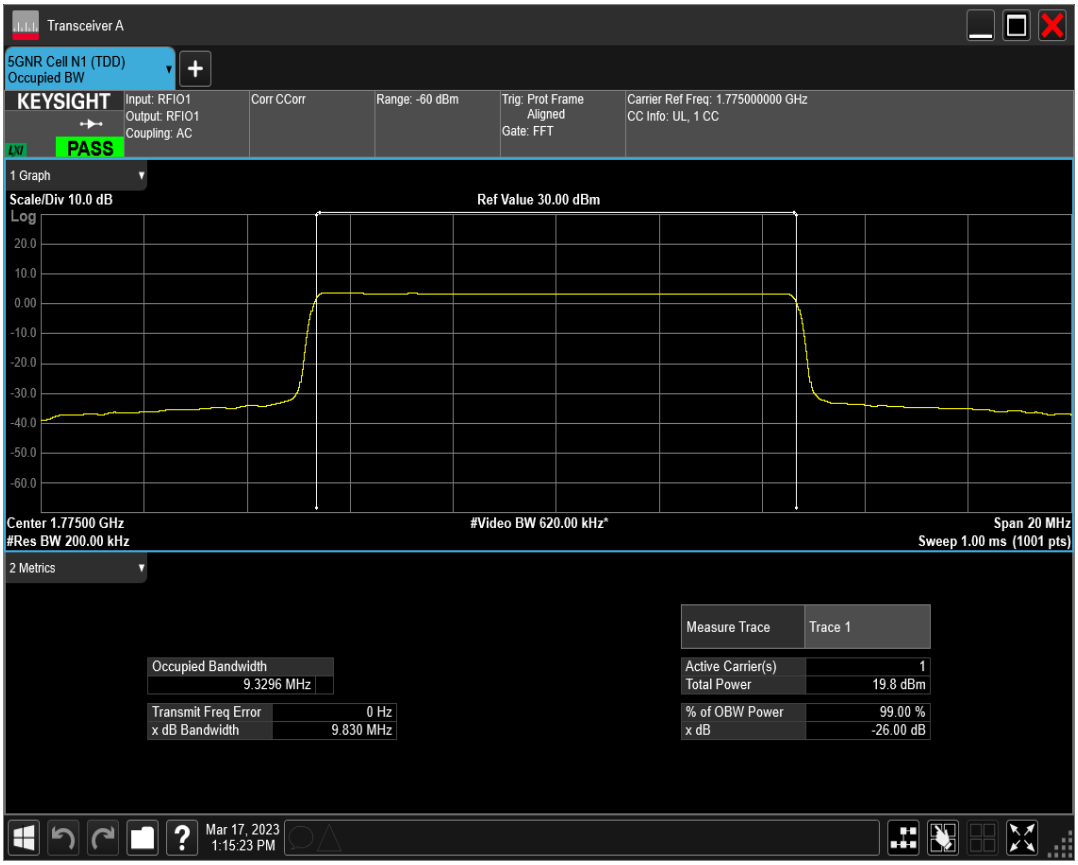
n66 SCS=15kHz DFT_QAM64 BW=10MHz Channel=355000 RB=50@0



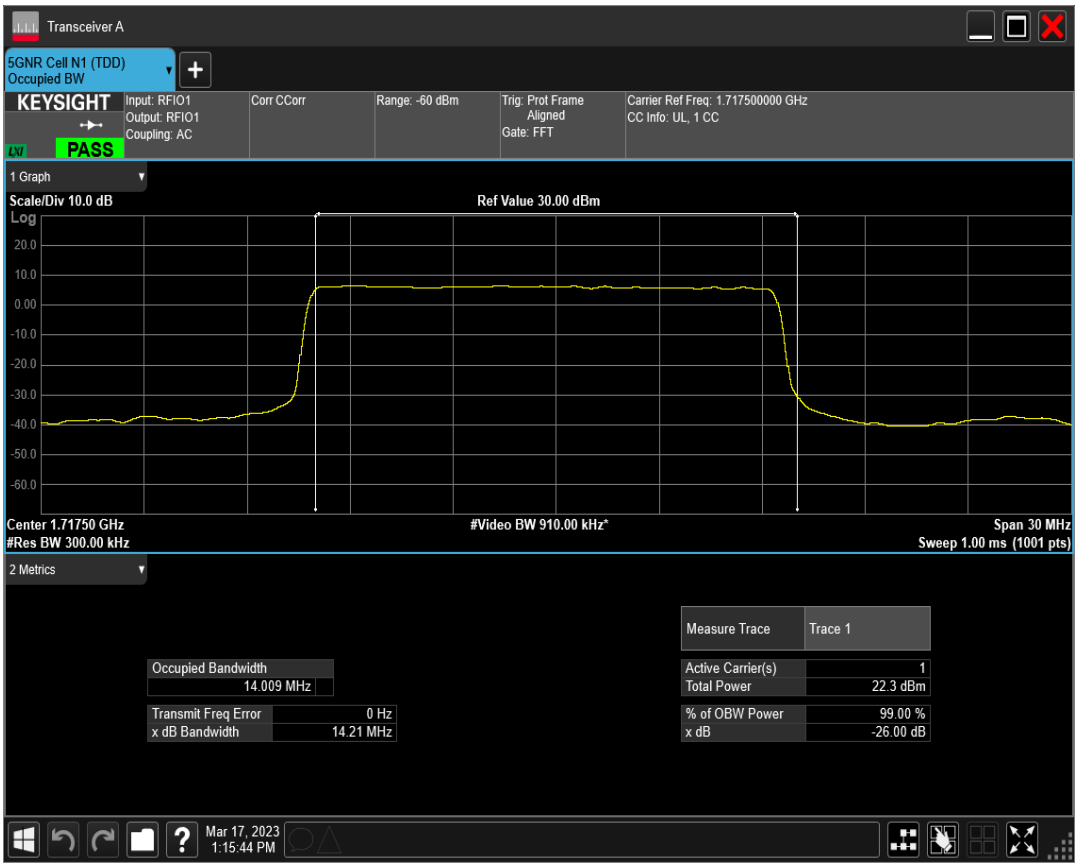
n66 SCS=15kHz DFT_QAM256 BW=10MHz Channel=355000 RB=50@0



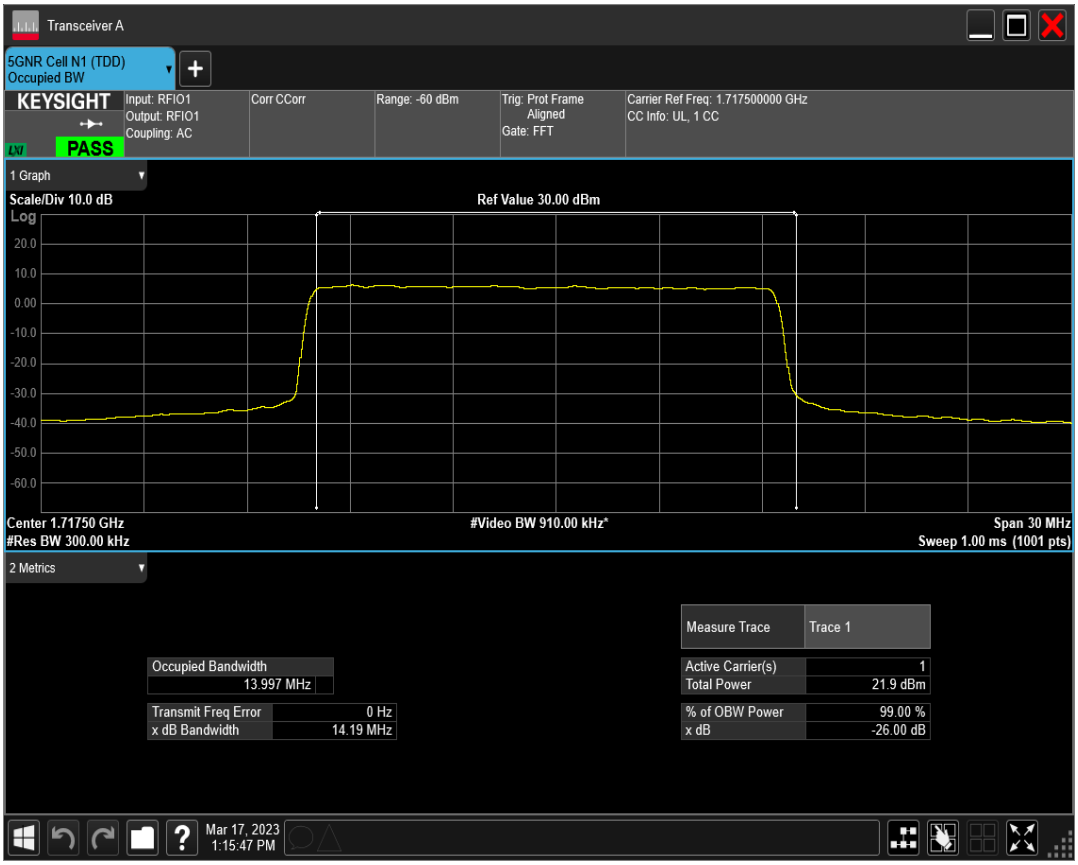
n66 SCS=15kHz CP_QPSK BW=10MHz Channel=355000 RB=52@0



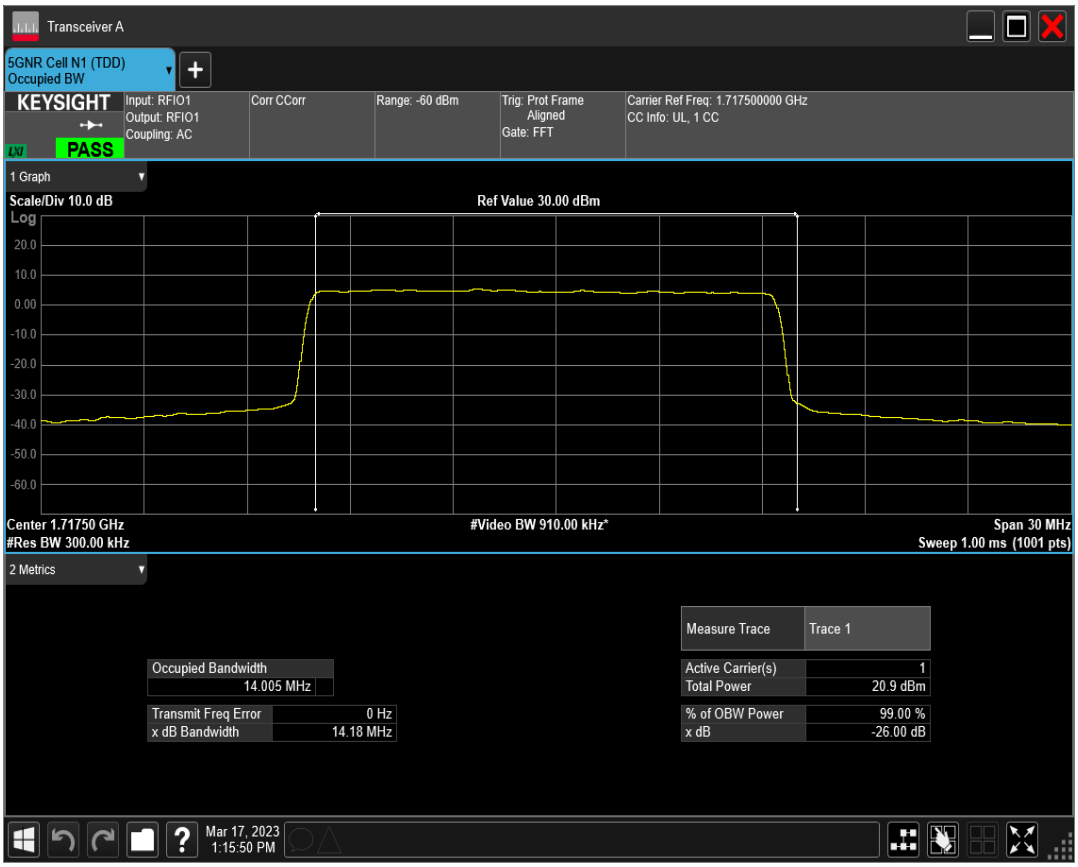
n66 SCS=15kHz DFT_BPSK BW=15MHz Channel=343500 RB=75@0



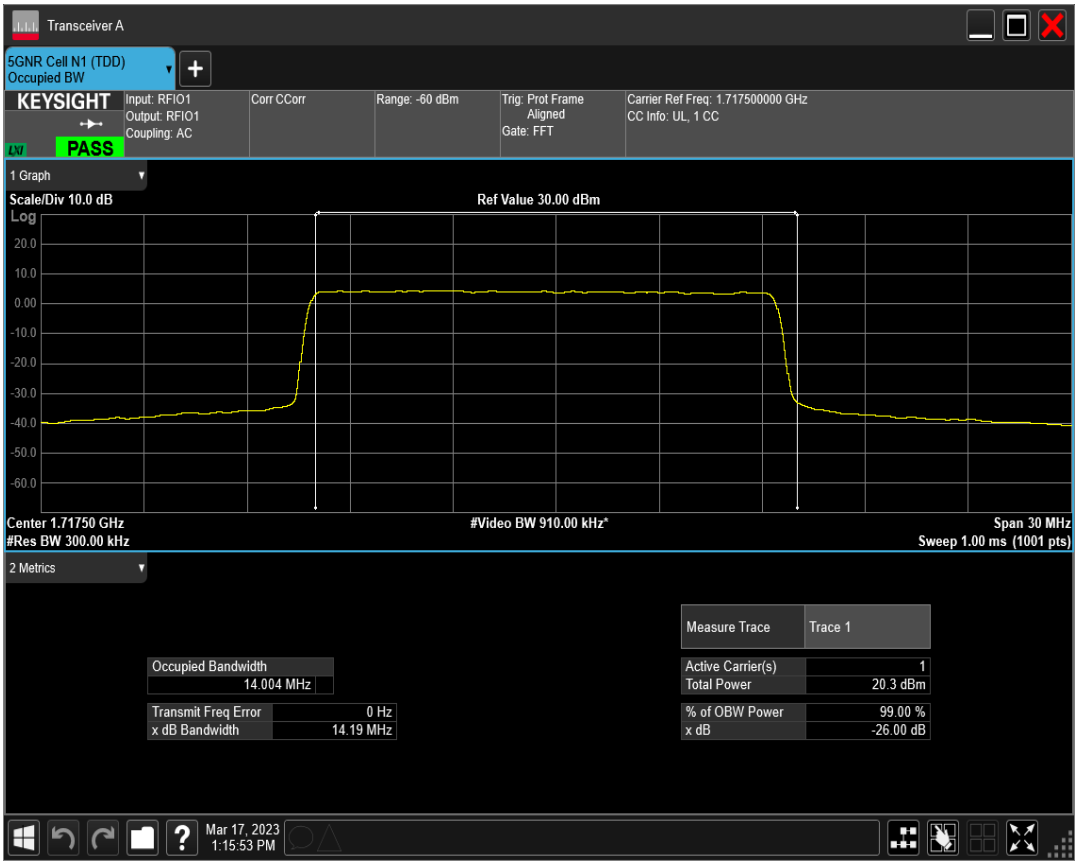
n66 SCS=15kHz DFT_QPSK BW=15MHz Channel=343500 RB=75@0



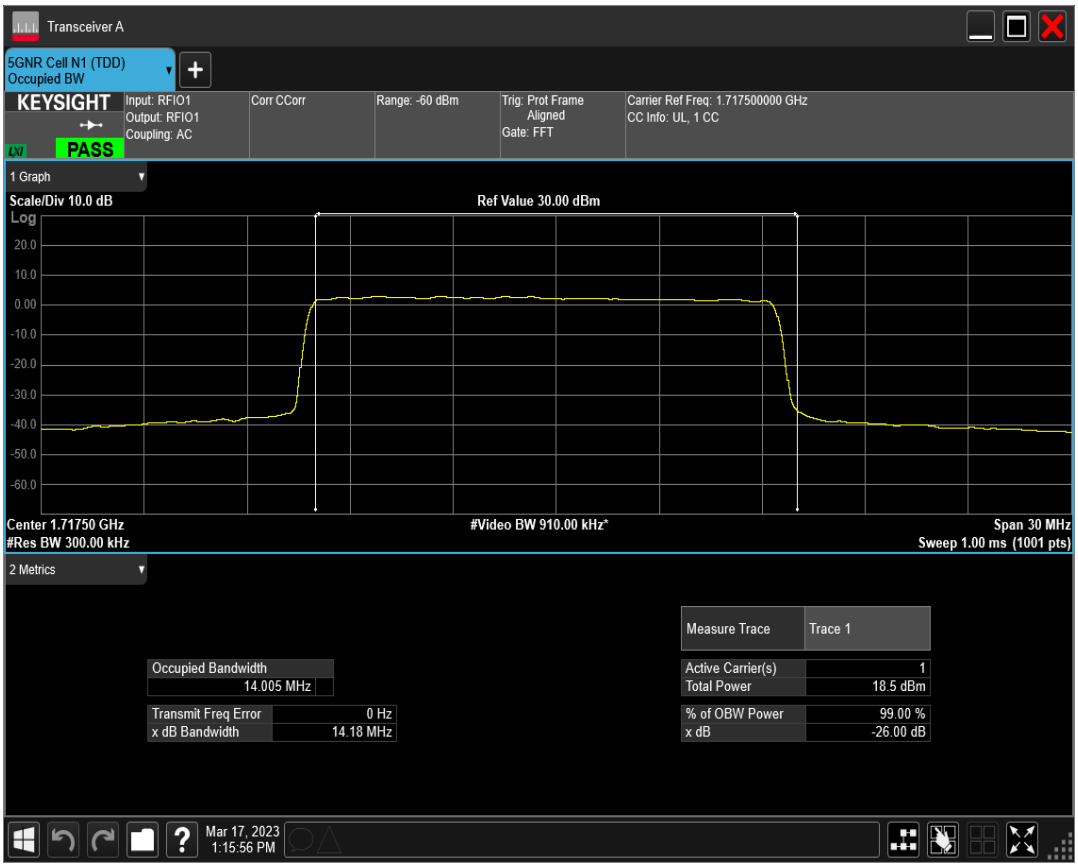
n66 SCS=15kHz DFT_QAM16 BW=15MHz Channel=343500 RB=75@0



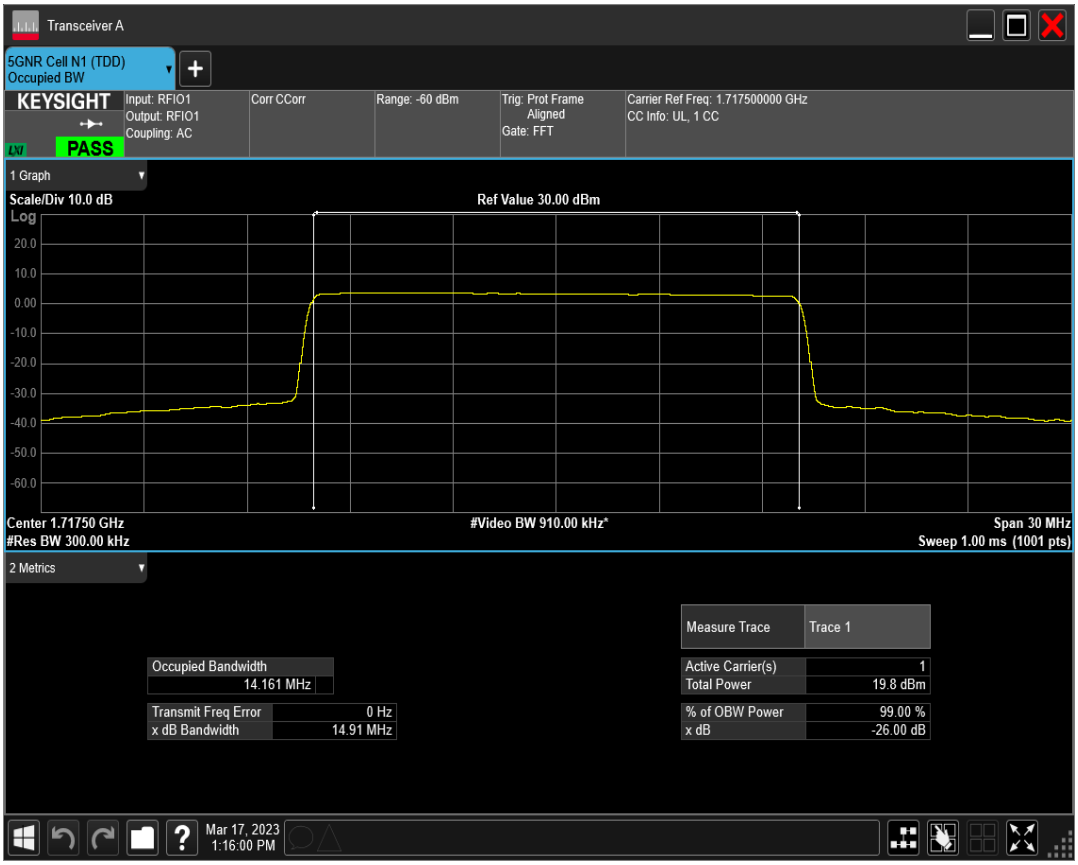
n66 SCS=15kHz DFT_QAM64 BW=15MHz Channel=343500 RB=75@0



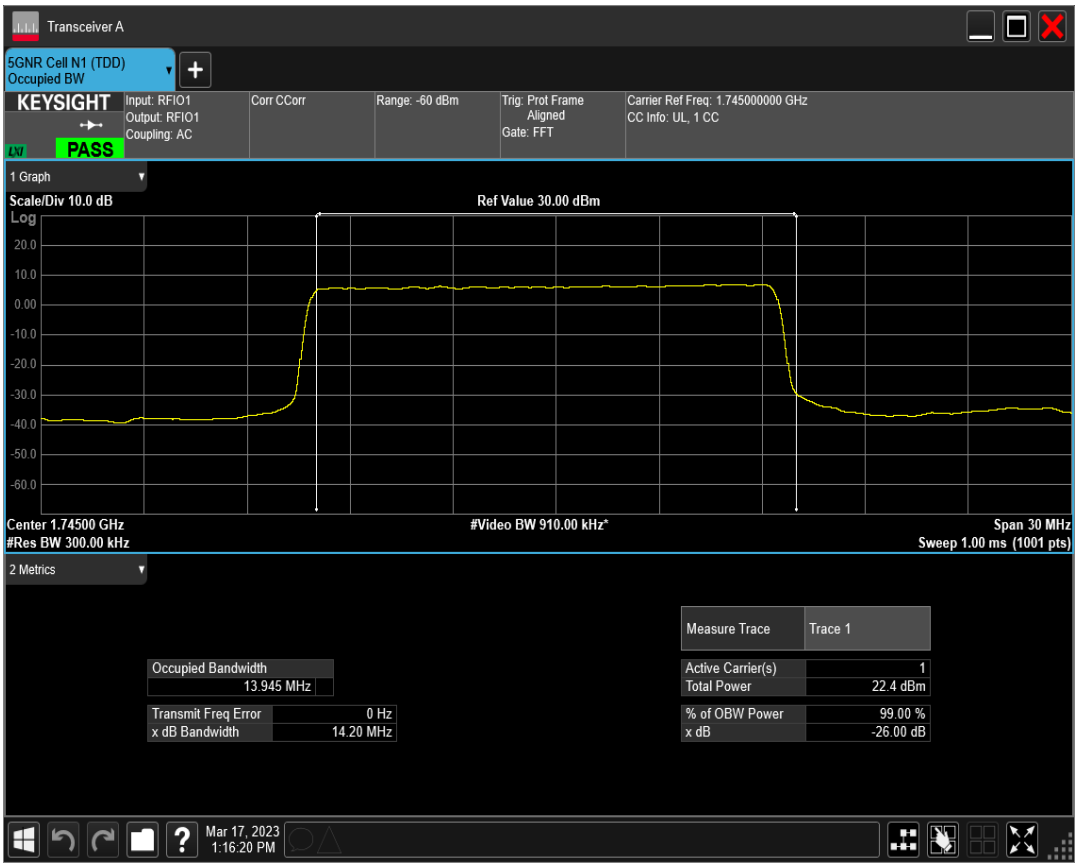
n66 SCS=15kHz DFT_QAM256 BW=15MHz Channel=343500 RB=75@0



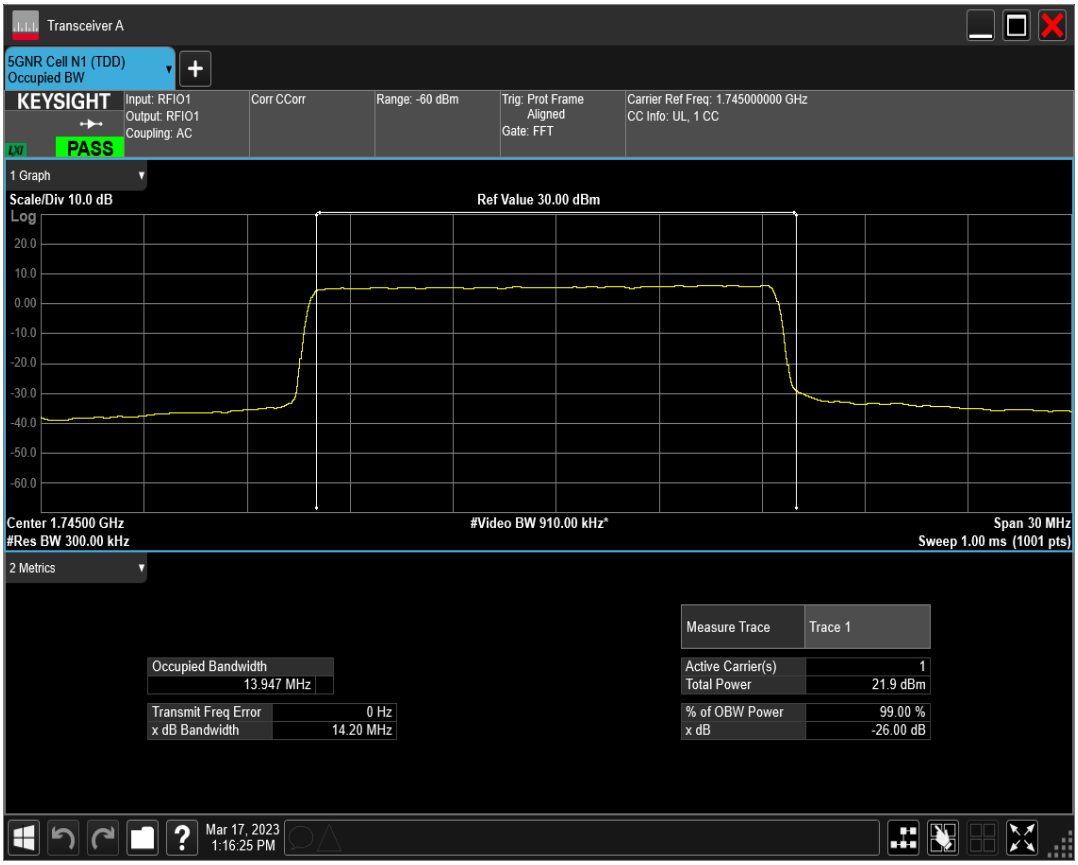
n66 SCS=15kHz CP_QPSK BW=15MHz Channel=343500 RB=79@0



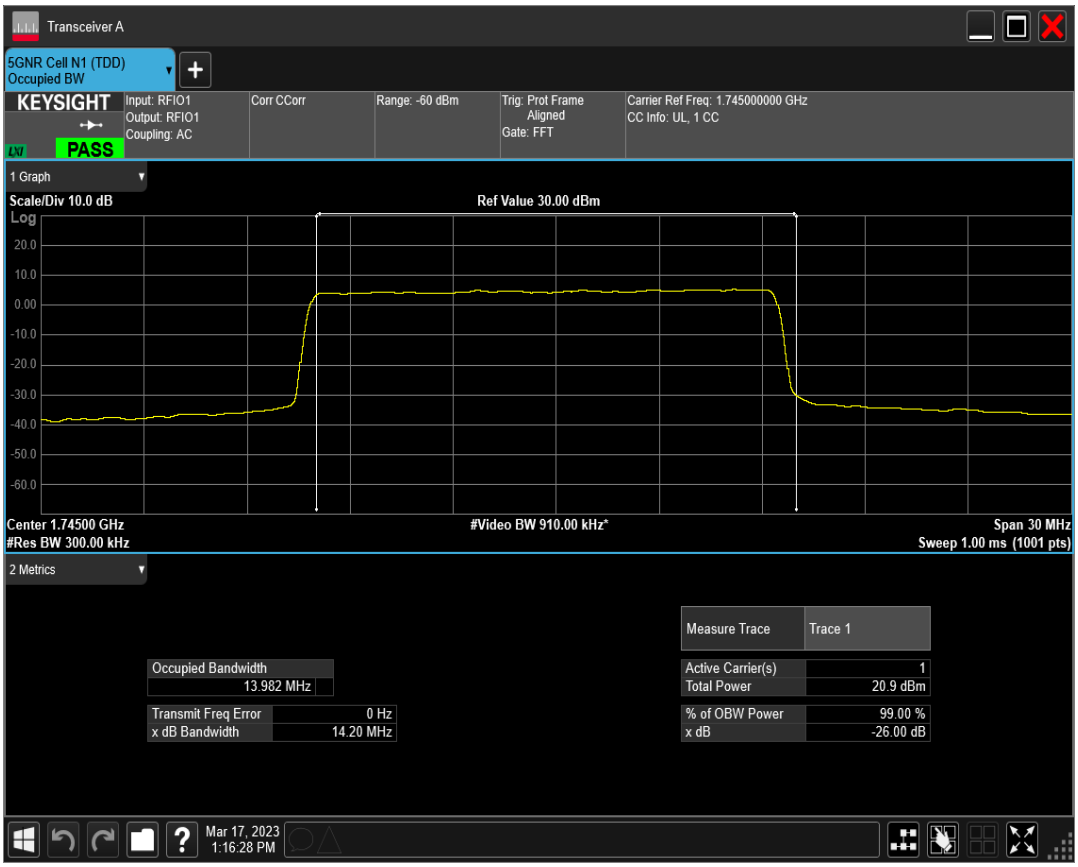
n66 SCS=15kHz DFT_BPSK BW=15MHz Channel=349000 RB=75@0



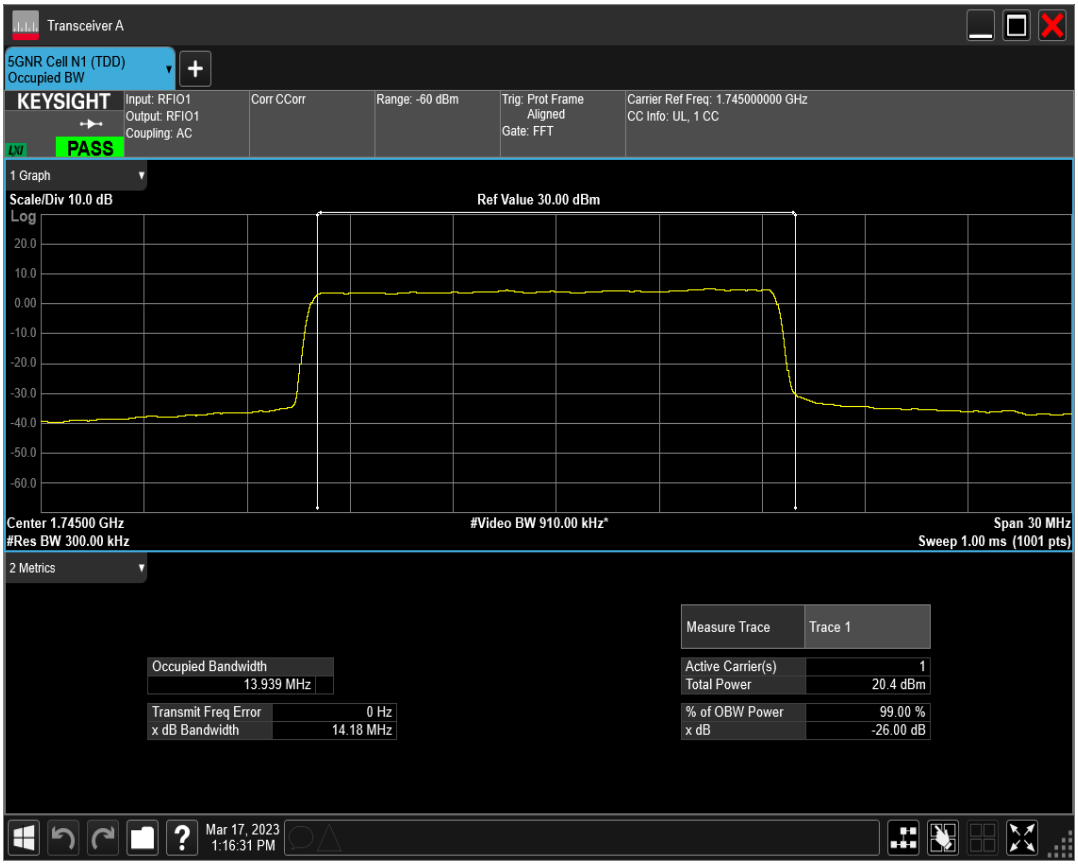
n66 SCS=15kHz DFT_QPSK BW=15MHz Channel=349000 RB=75@0



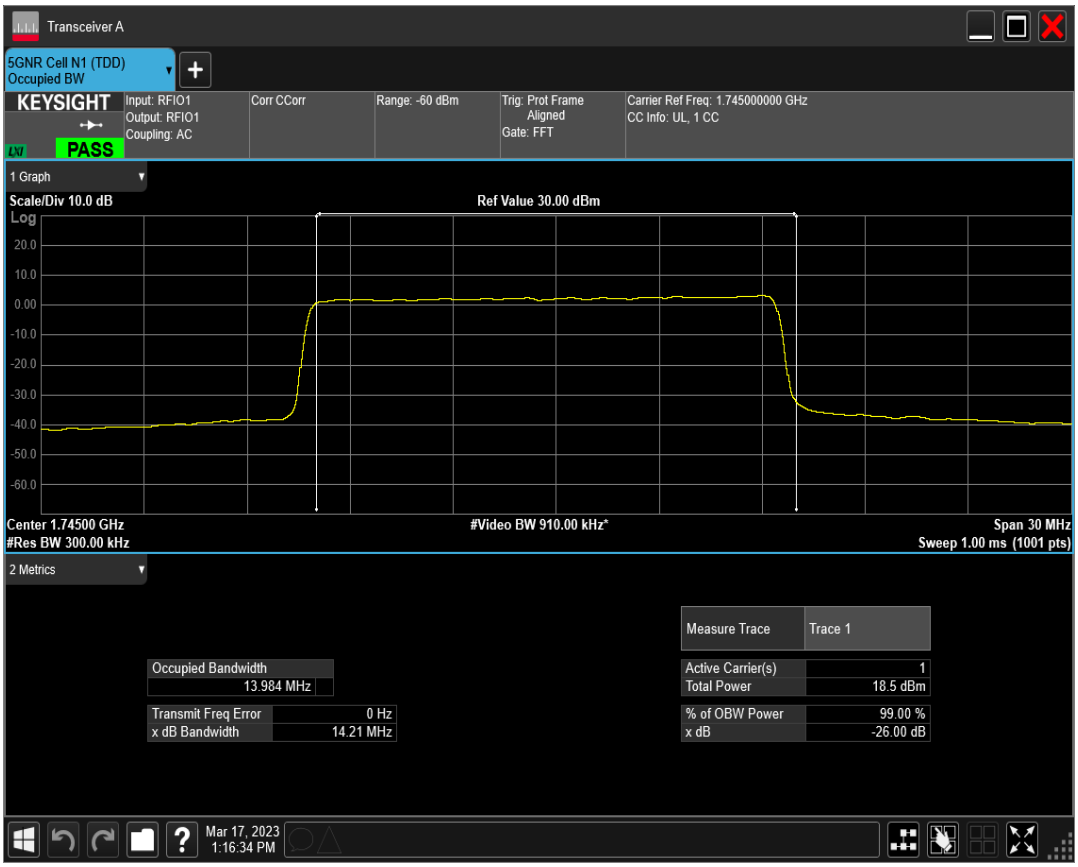
n66 SCS=15kHz DFT_QAM16 BW=15MHz Channel=349000 RB=75@0



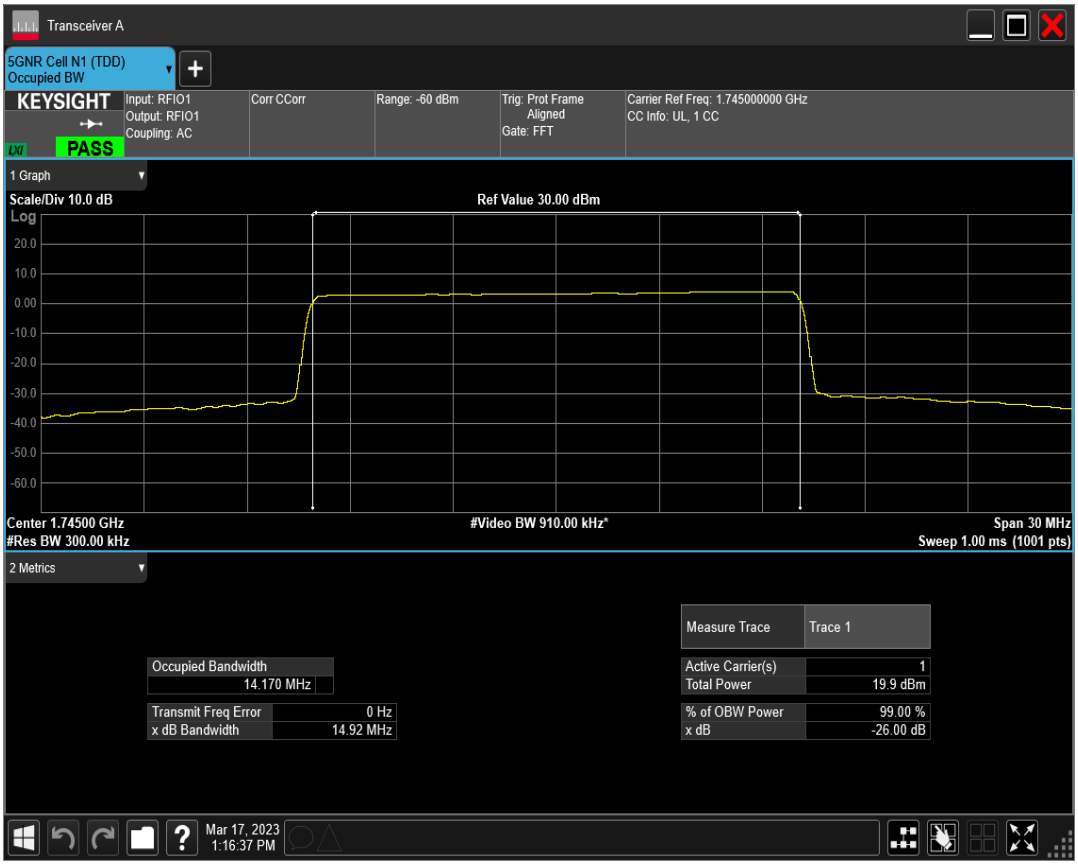
n66 SCS=15kHz DFT_QAM64 BW=15MHz Channel=349000 RB=75@0



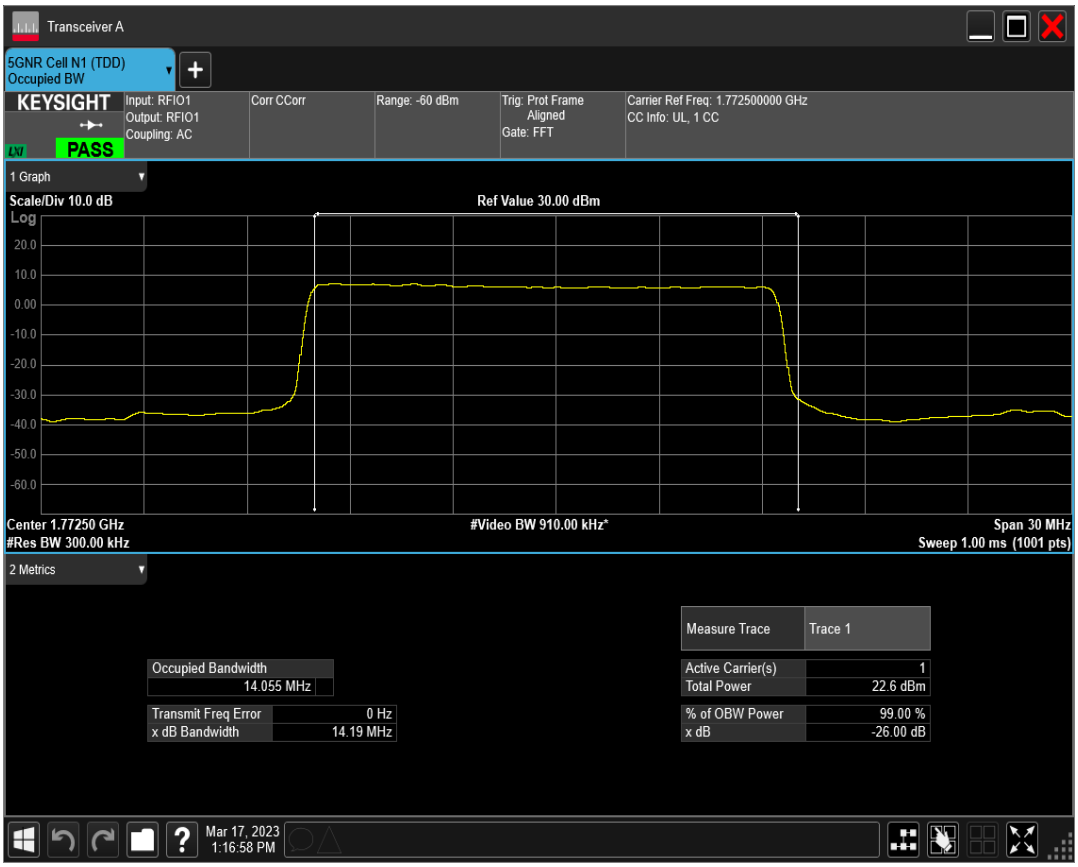
n66 SCS=15kHz DFT_QAM256 BW=15MHz Channel=349000 RB=75@0



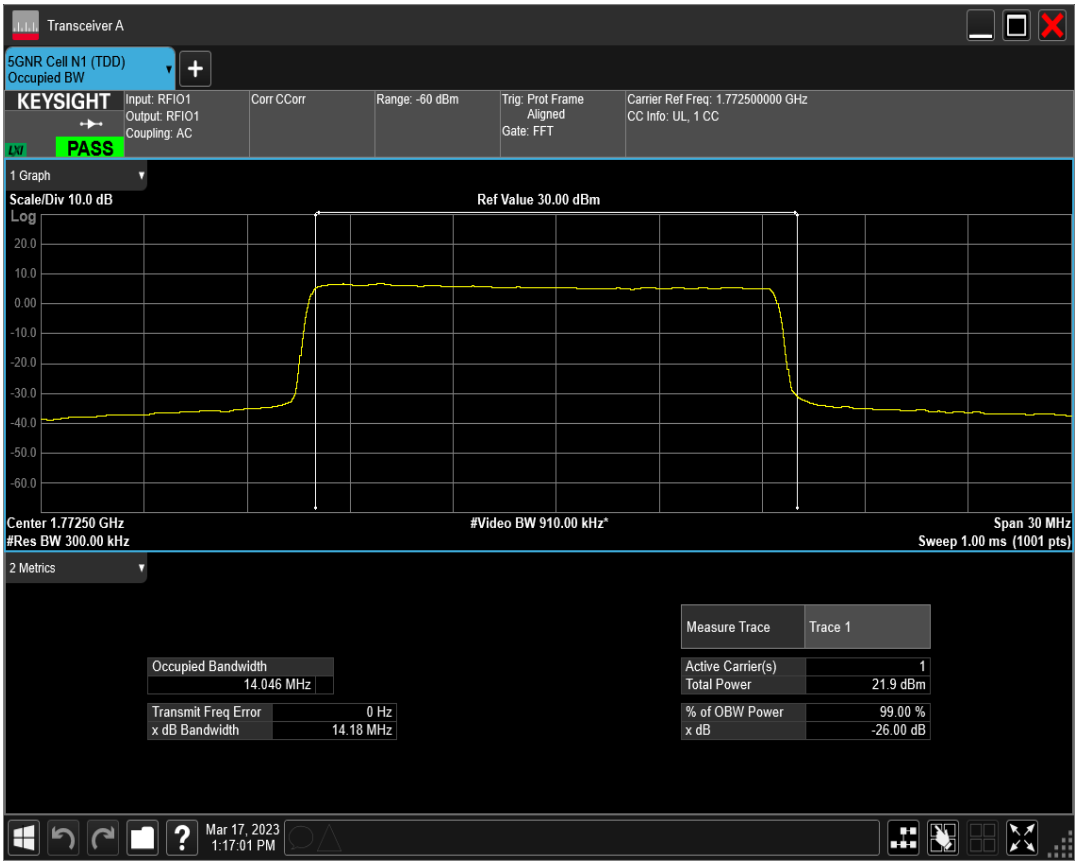
n66 SCS=15kHz CP_QPSK BW=15MHz Channel=349000 RB=79@0



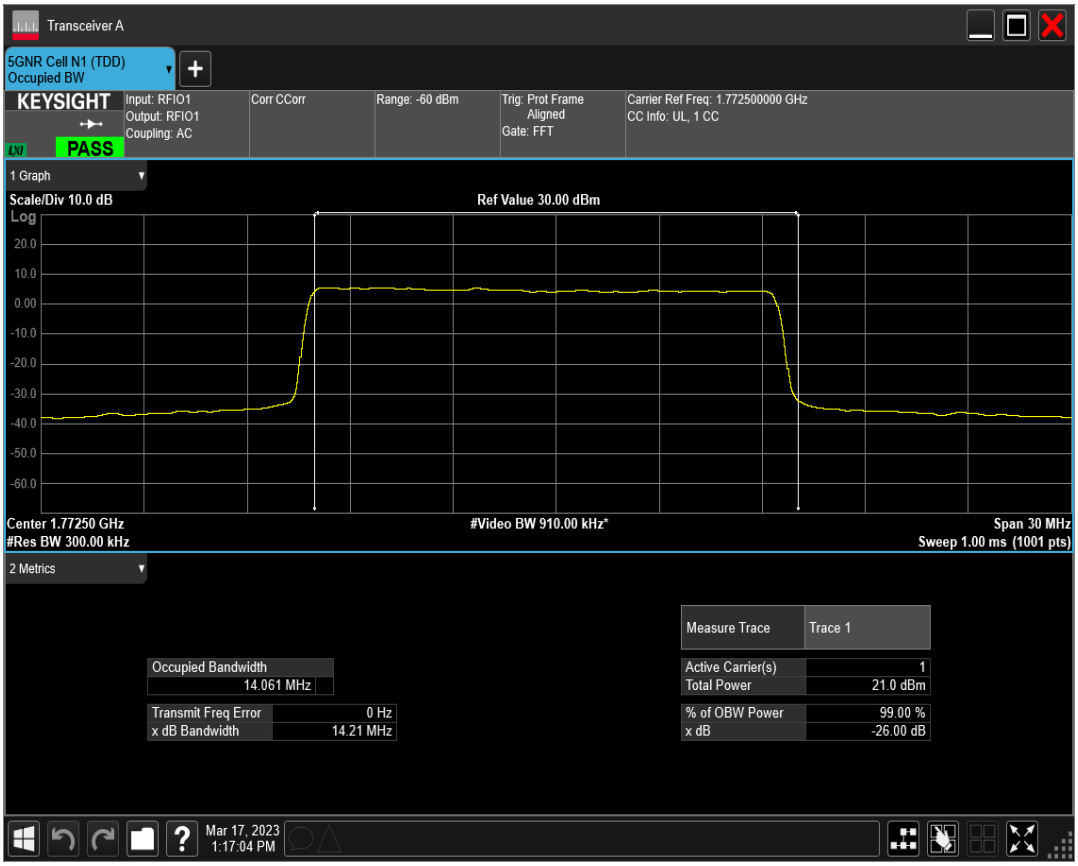
n66 SCS=15kHz DFT_BPSK BW=15MHz Channel=354500 RB=75@0



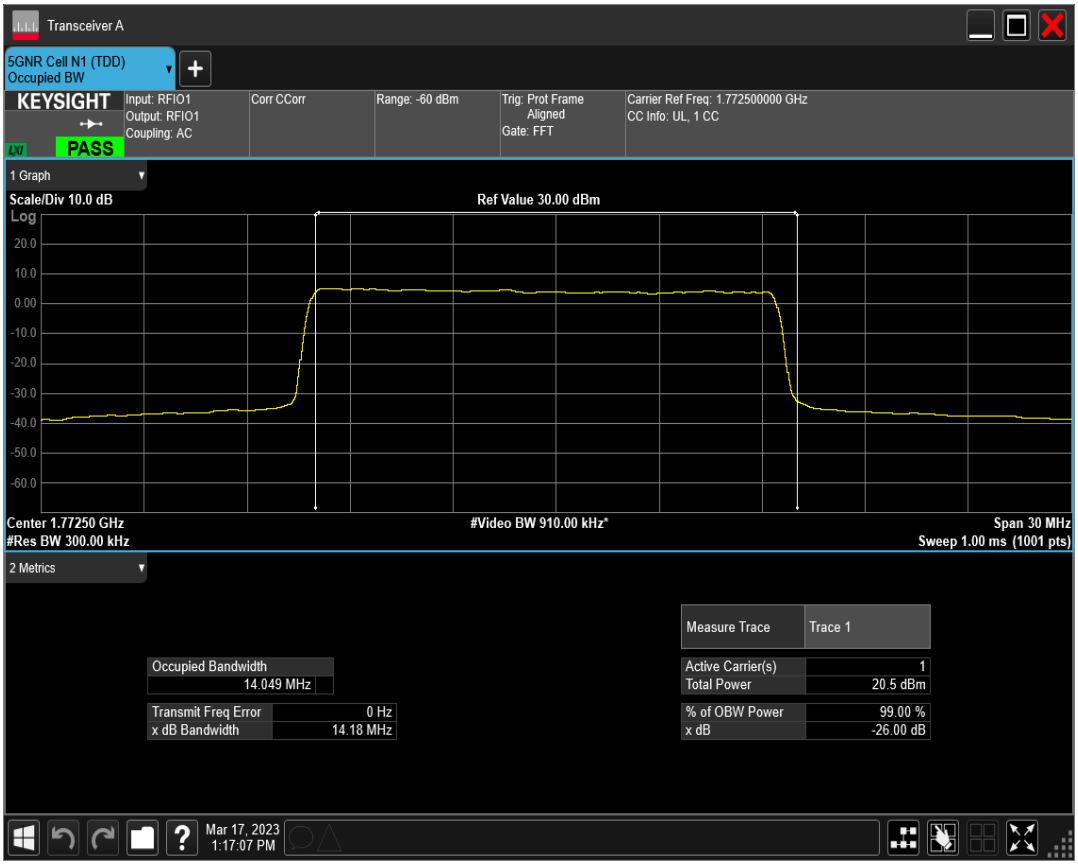
n66 SCS=15kHz DFT_QPSK BW=15MHz Channel=354500 RB=75@0



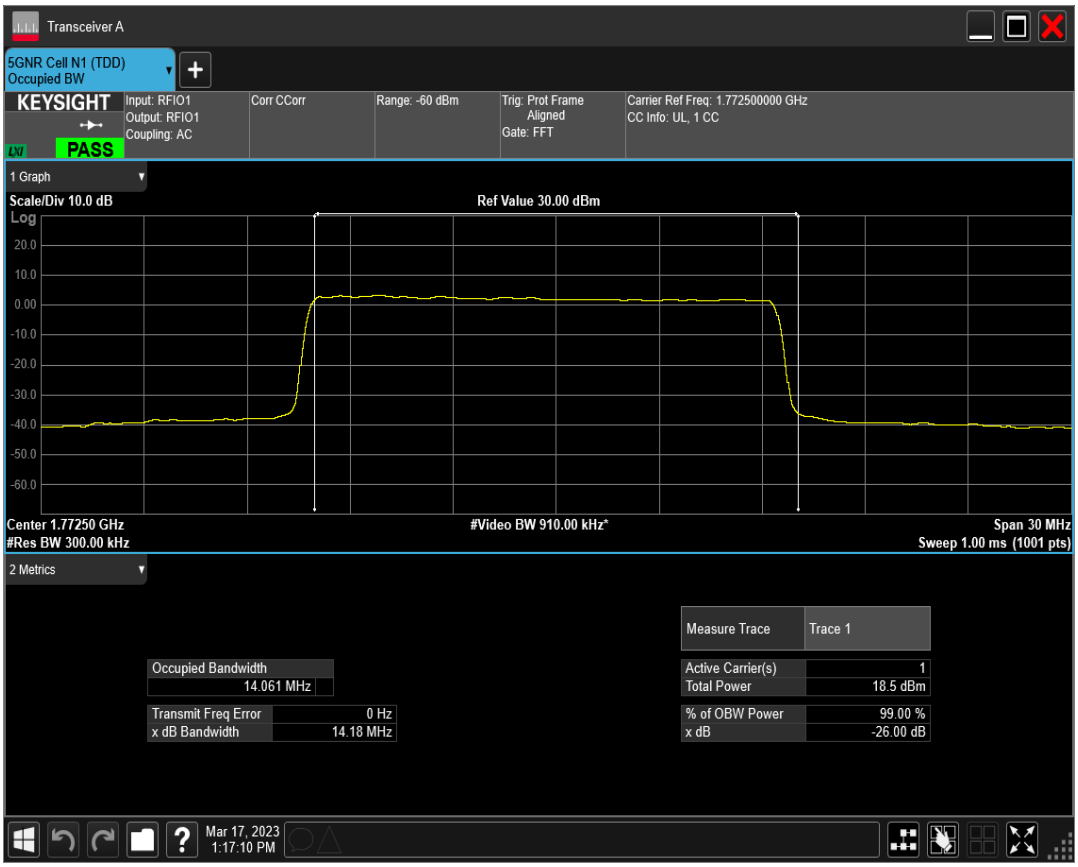
n66 SCS=15kHz DFT_QAM16 BW=15MHz Channel=354500 RB=75@0



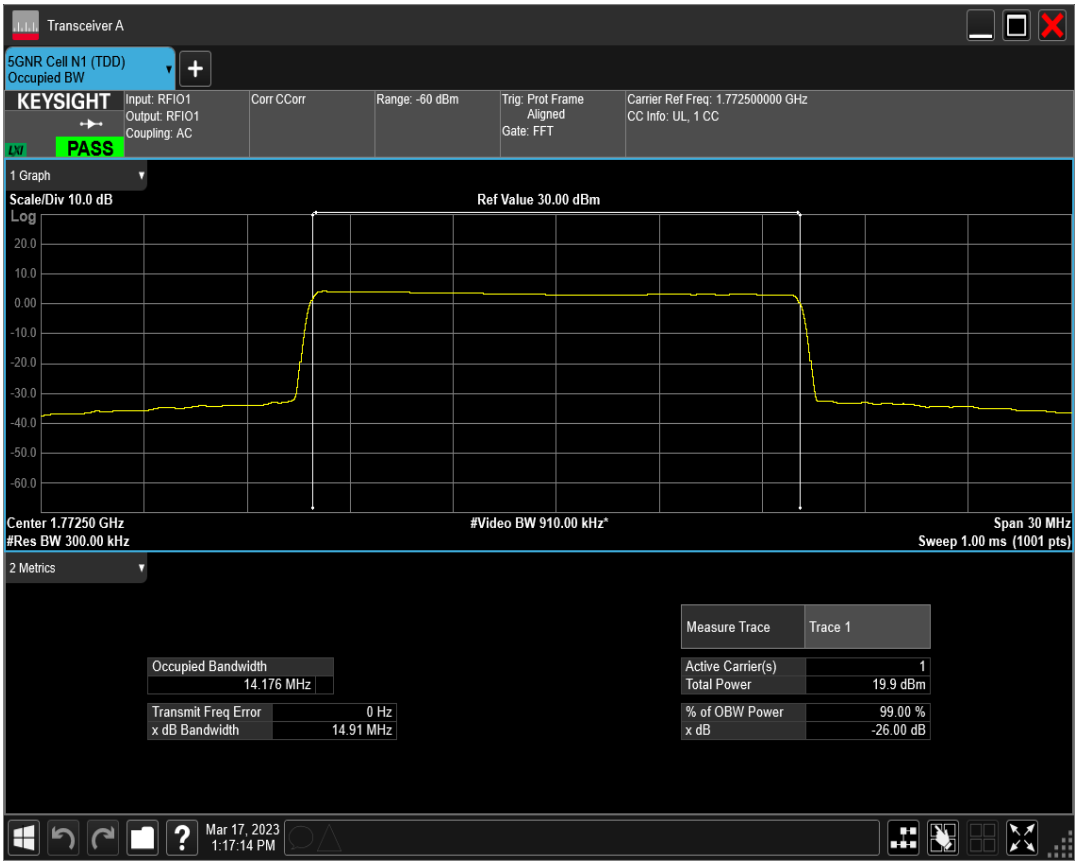
n66 SCS=15kHz DFT_QAM64 BW=15MHz Channel=354500 RB=75@0



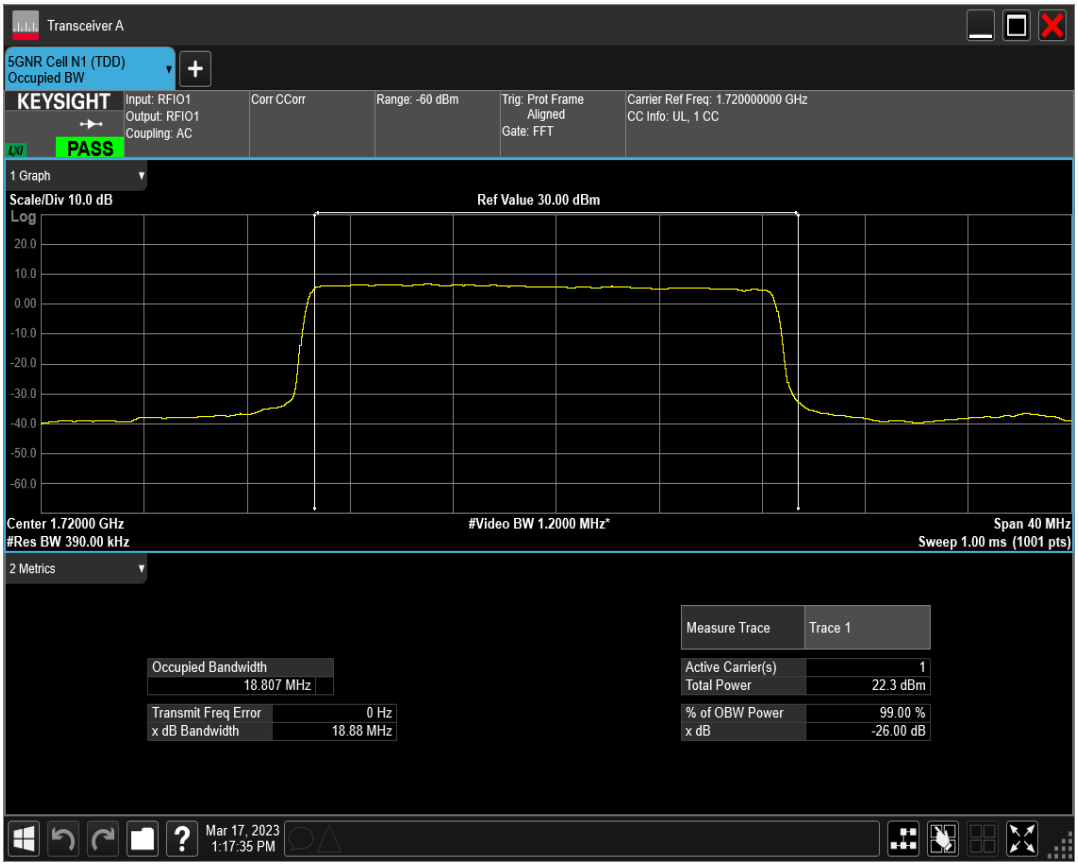
n66 SCS=15kHz DFT_QAM256 BW=15MHz Channel=354500 RB=75@0



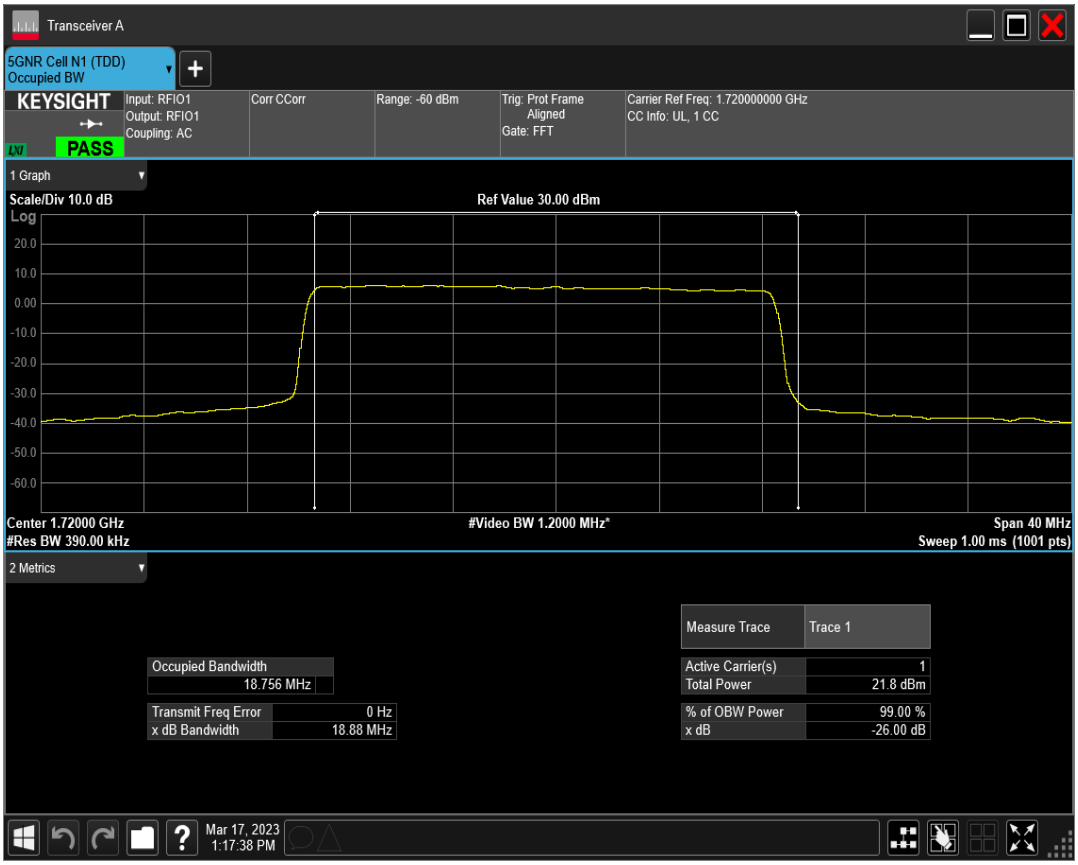
n66 SCS=15kHz CP_QPSK BW=15MHz Channel=354500 RB=79@0



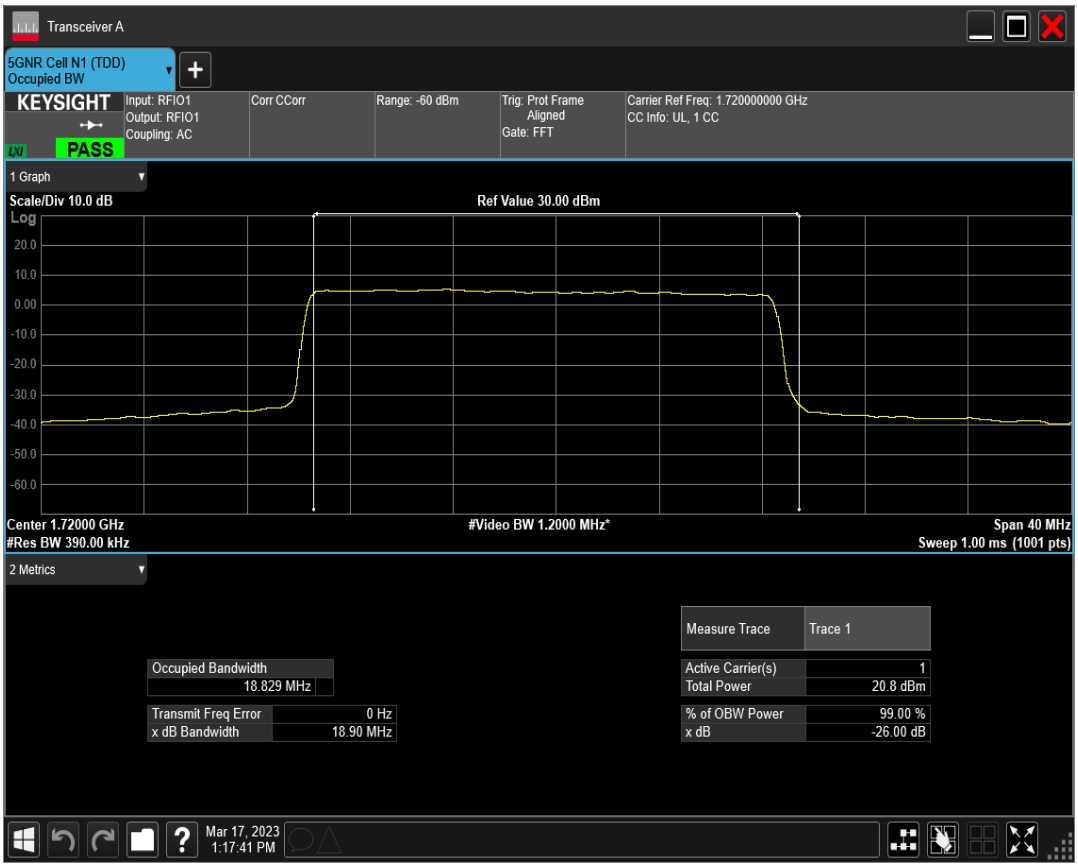
n66 SCS=15kHz DFT_BPSK BW=20MHz Channel=344000 RB=100@0



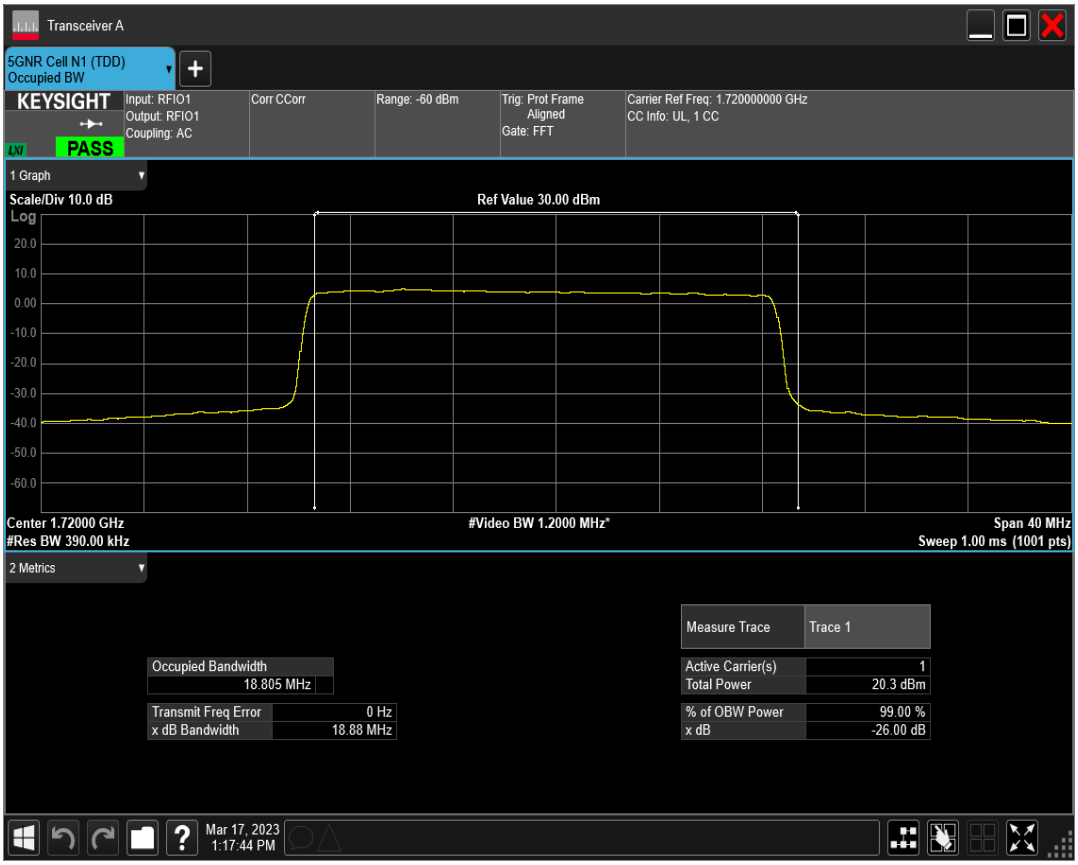
n66 SCS=15kHz DFT_QPSK BW=20MHz Channel=344000 RB=100@0



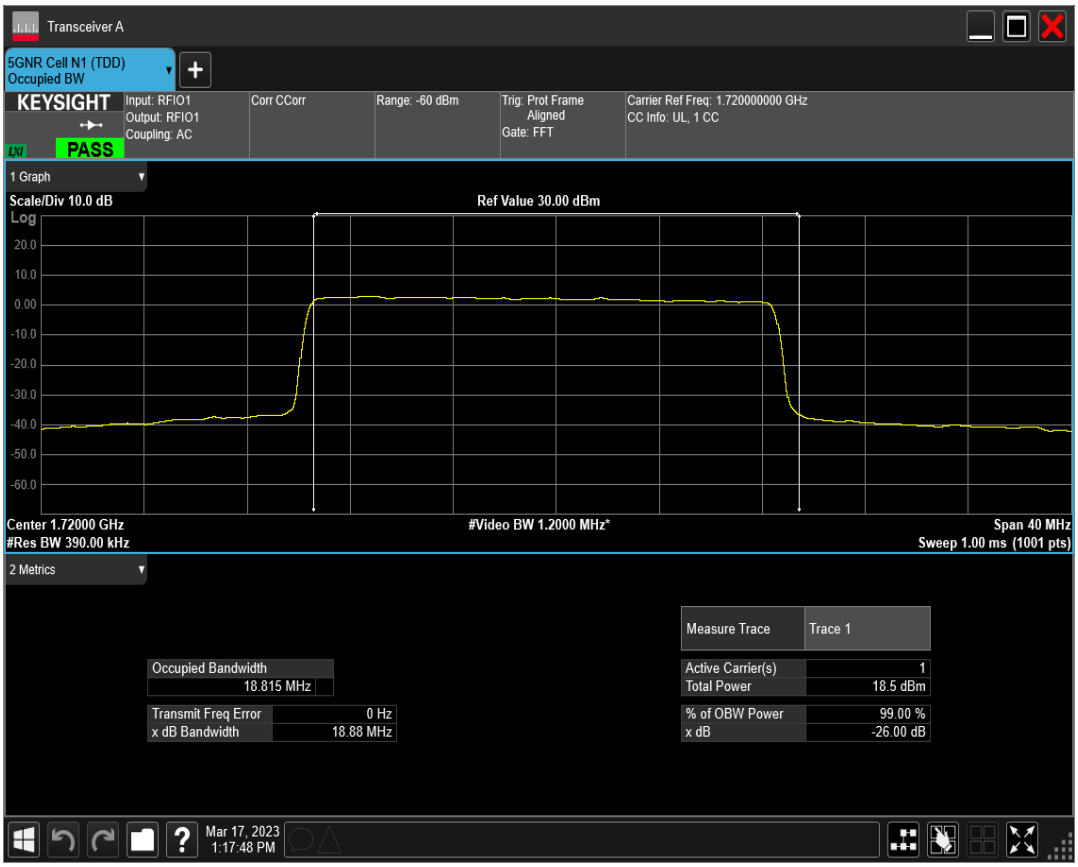
n66 SCS=15kHz DFT_QAM16 BW=20MHz Channel=344000 RB=100@0



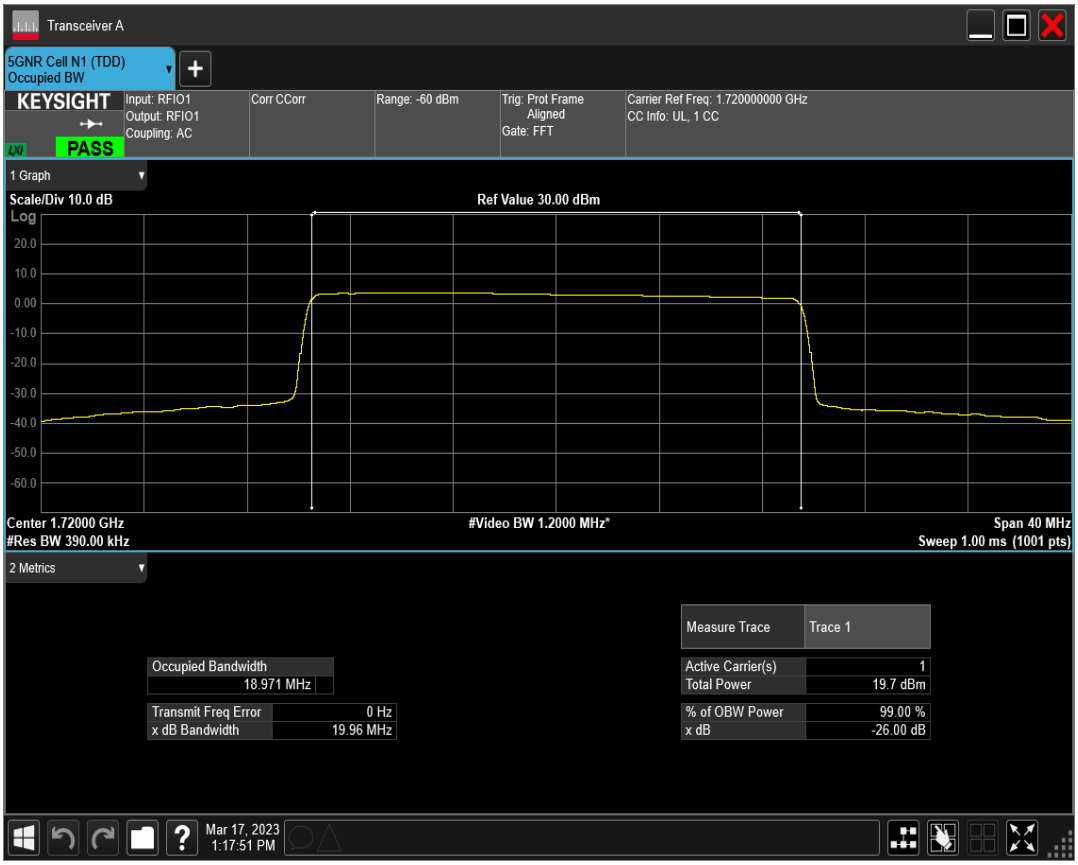
n66 SCS=15kHz DFT_QAM64 BW=20MHz Channel=344000 RB=100@0



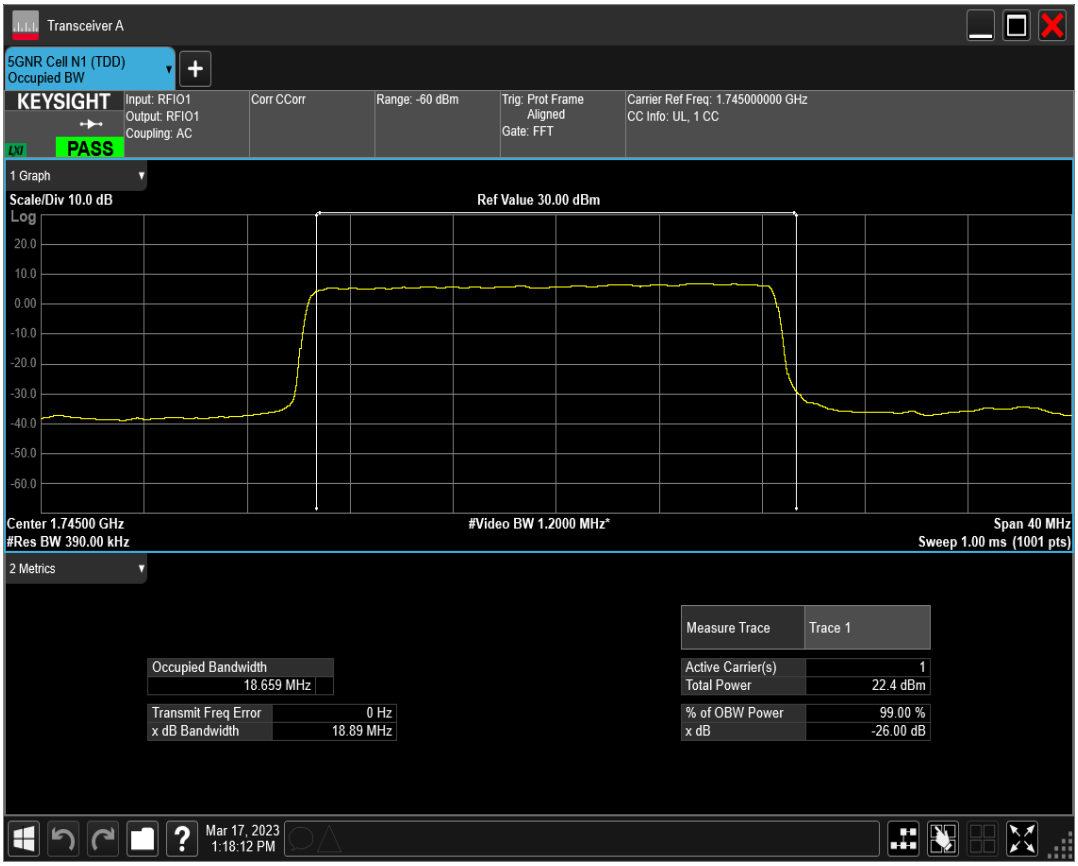
n66 SCS=15kHz DFT_QAM256 BW=20MHz Channel=344000 RB=100@0



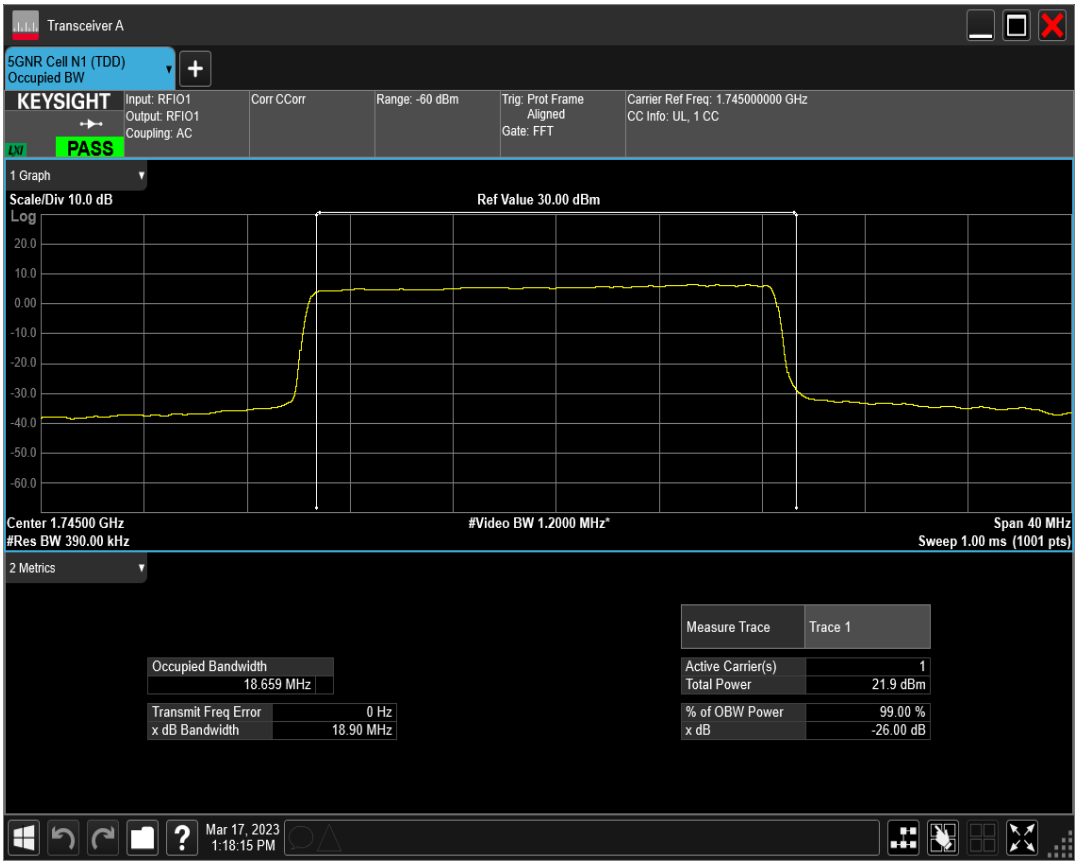
n66 SCS=15kHz CP_QPSK BW=20MHz Channel=344000 RB=106@0



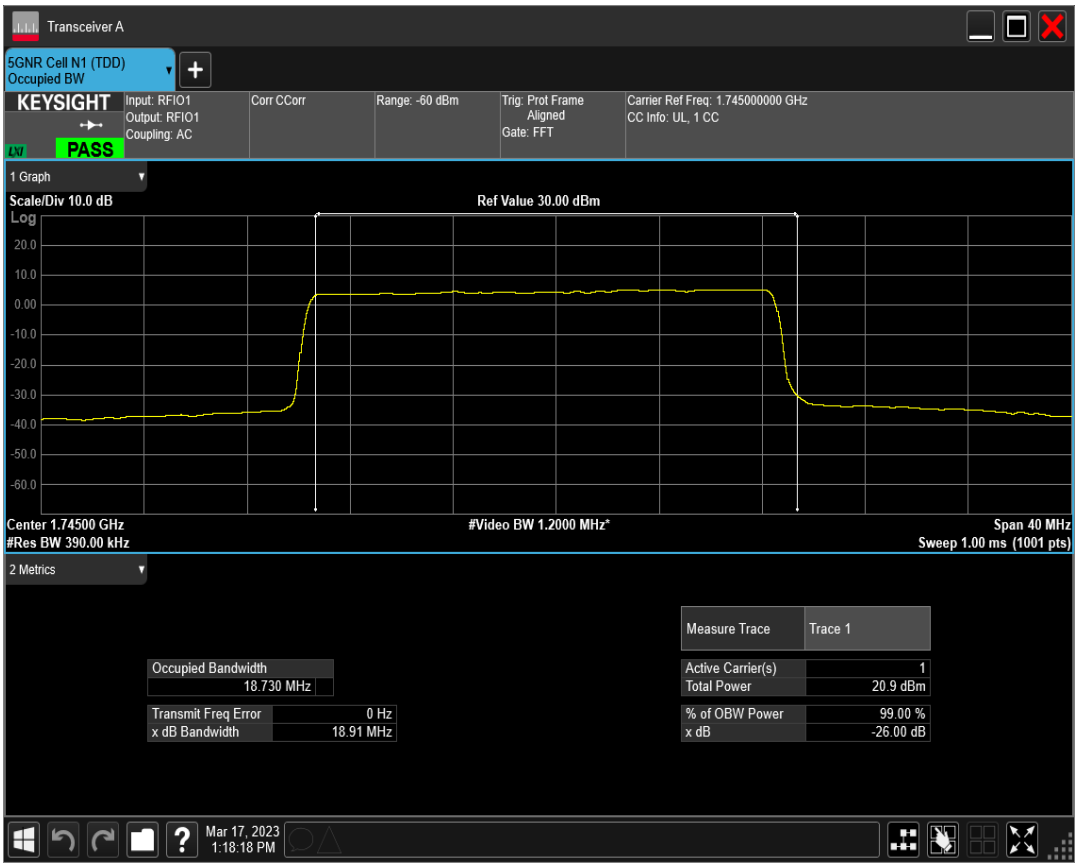
n66 SCS=15kHz DFT_BPSK BW=20MHz Channel=349000 RB=100@0



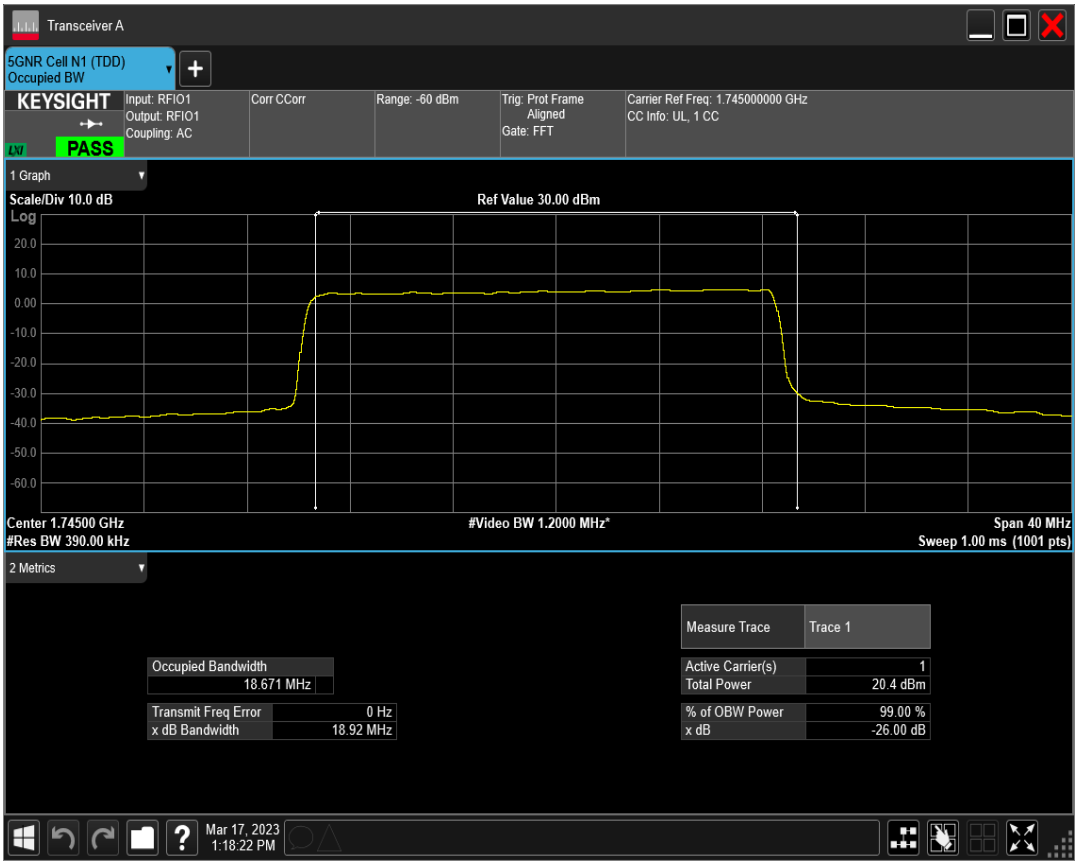
n66 SCS=15kHz DFT_QPSK BW=20MHz Channel=349000 RB=100@0



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

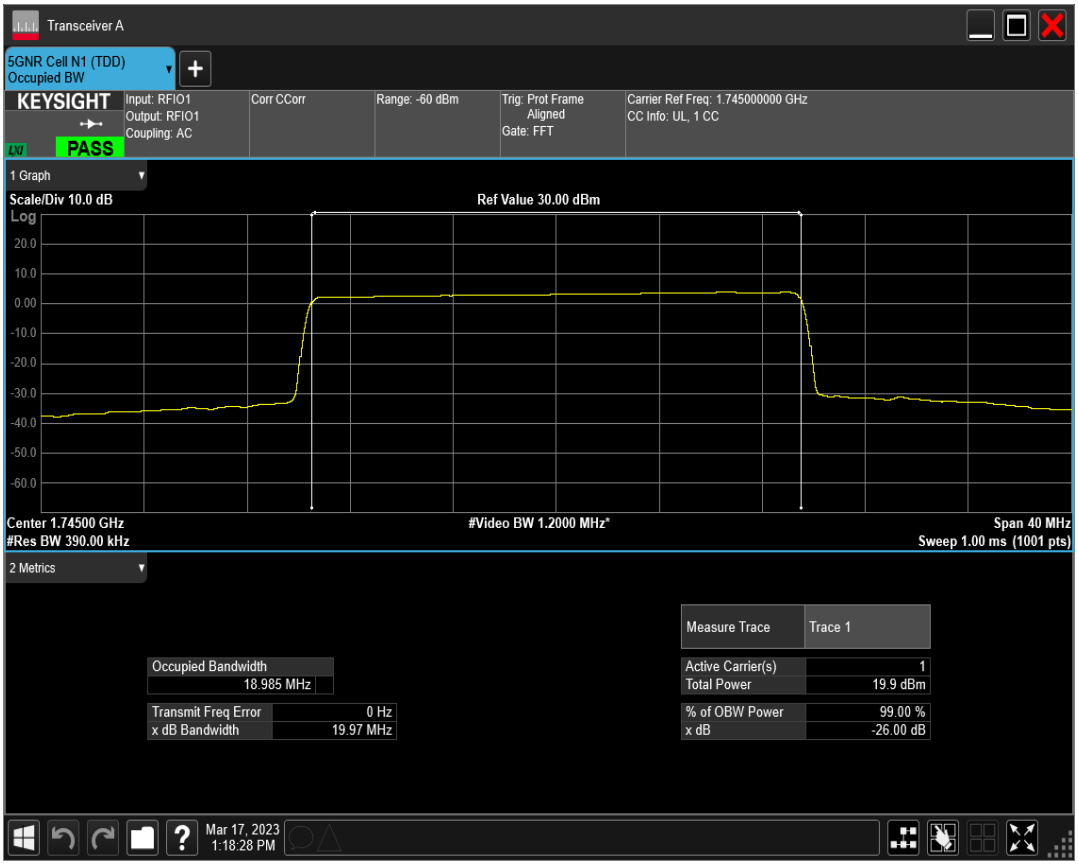


n66 SCS=15kHz DFT_QAM64 BW=20MHz Channel=349000 RB=100@0

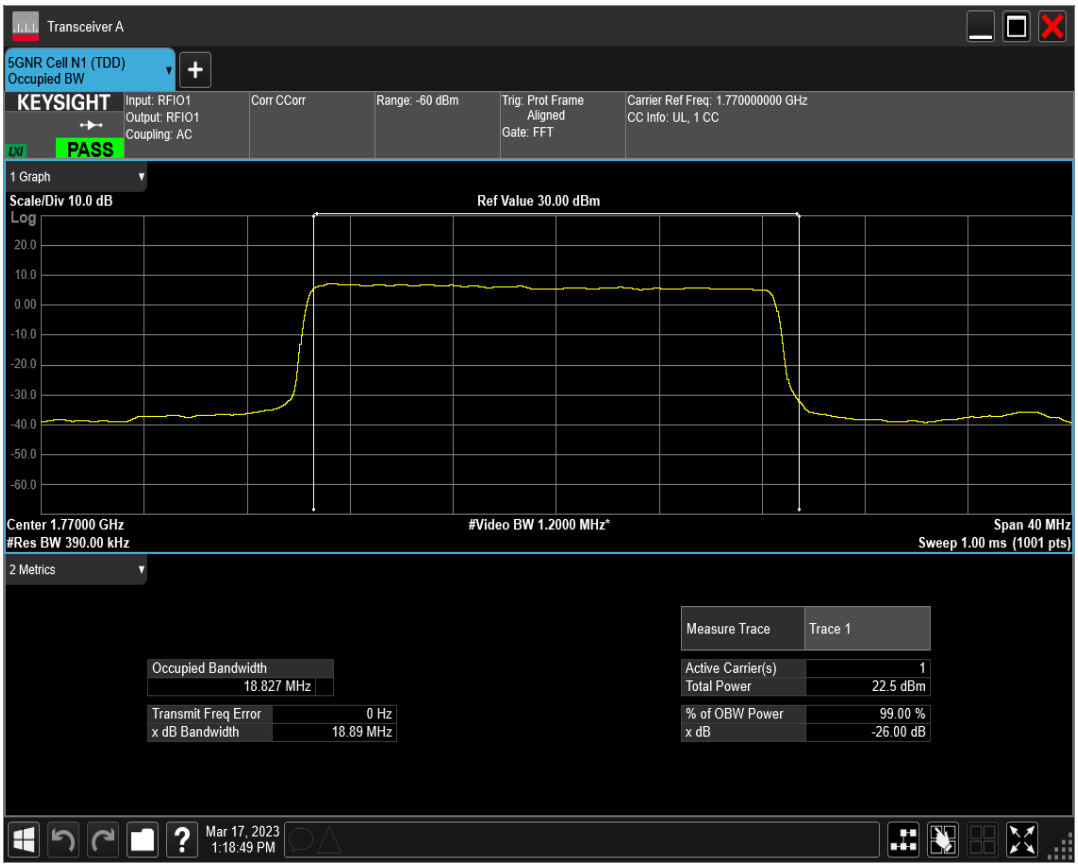


n66 SCS=15kHz DFT_QAM256 BW=20MHz Channel=349000 RB=100@0

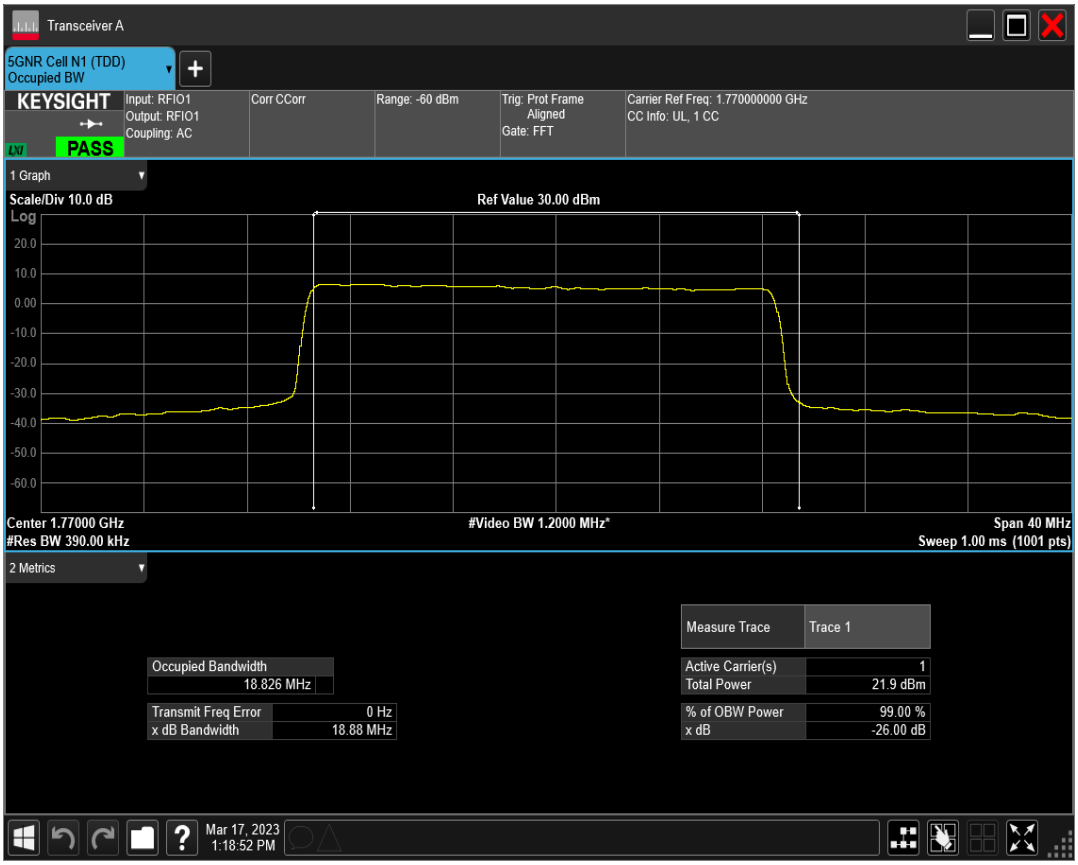
n66 SCS=15kHz CP_QPSK BW=20MHz Channel=349000 RB=106@0



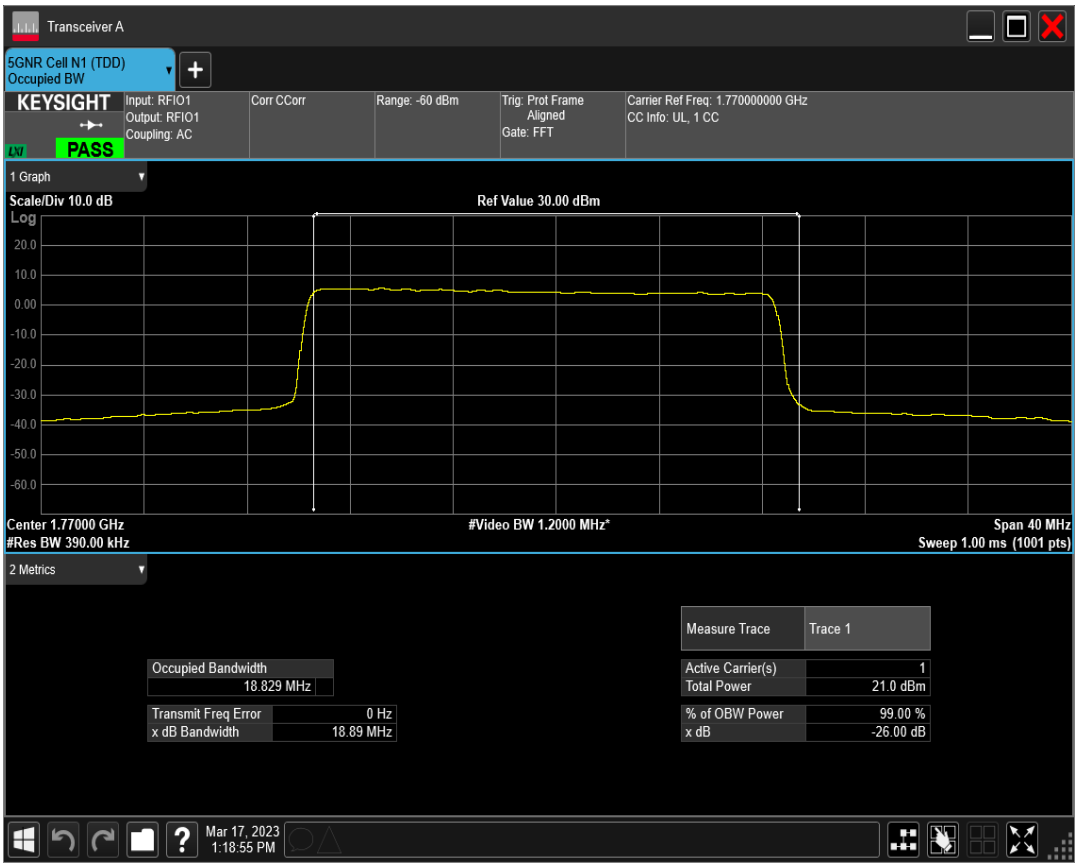
n66 SCS=15kHz DFT_BPSK BW=20MHz Channel=354000 RB=100@0



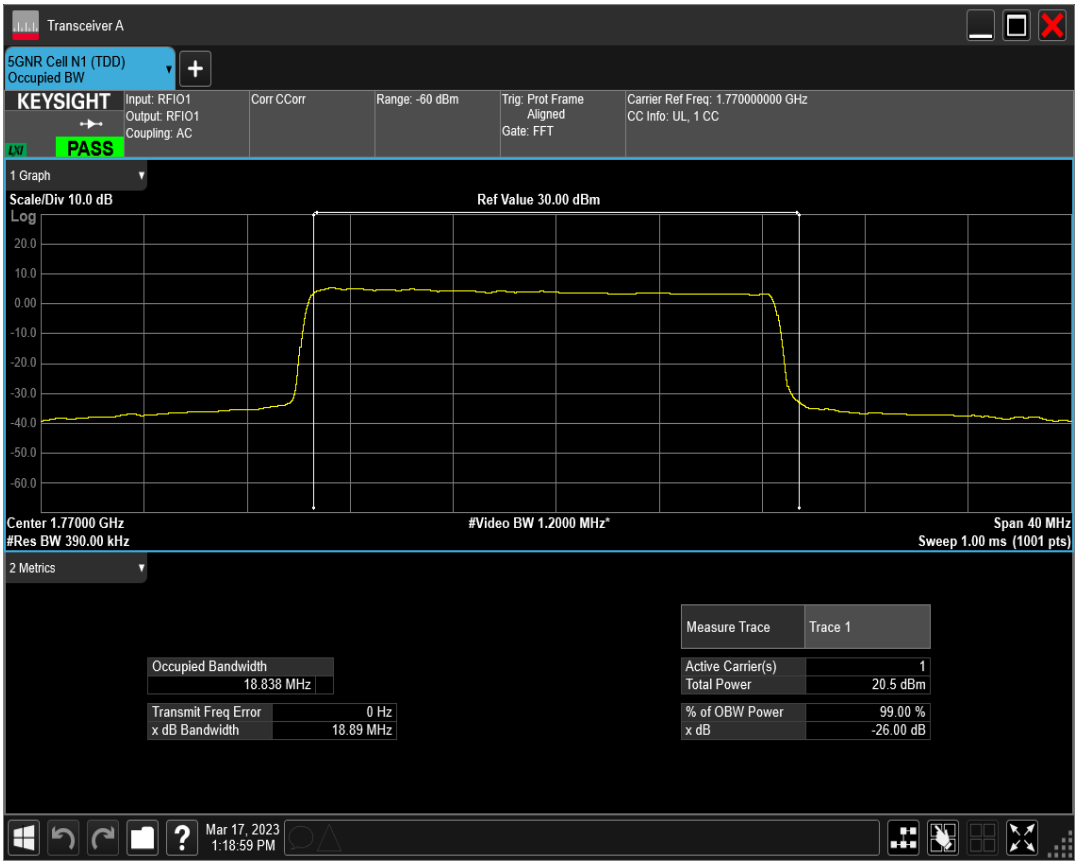
n66 SCS=15kHz DFT_QPSK BW=20MHz Channel=354000 RB=100@0



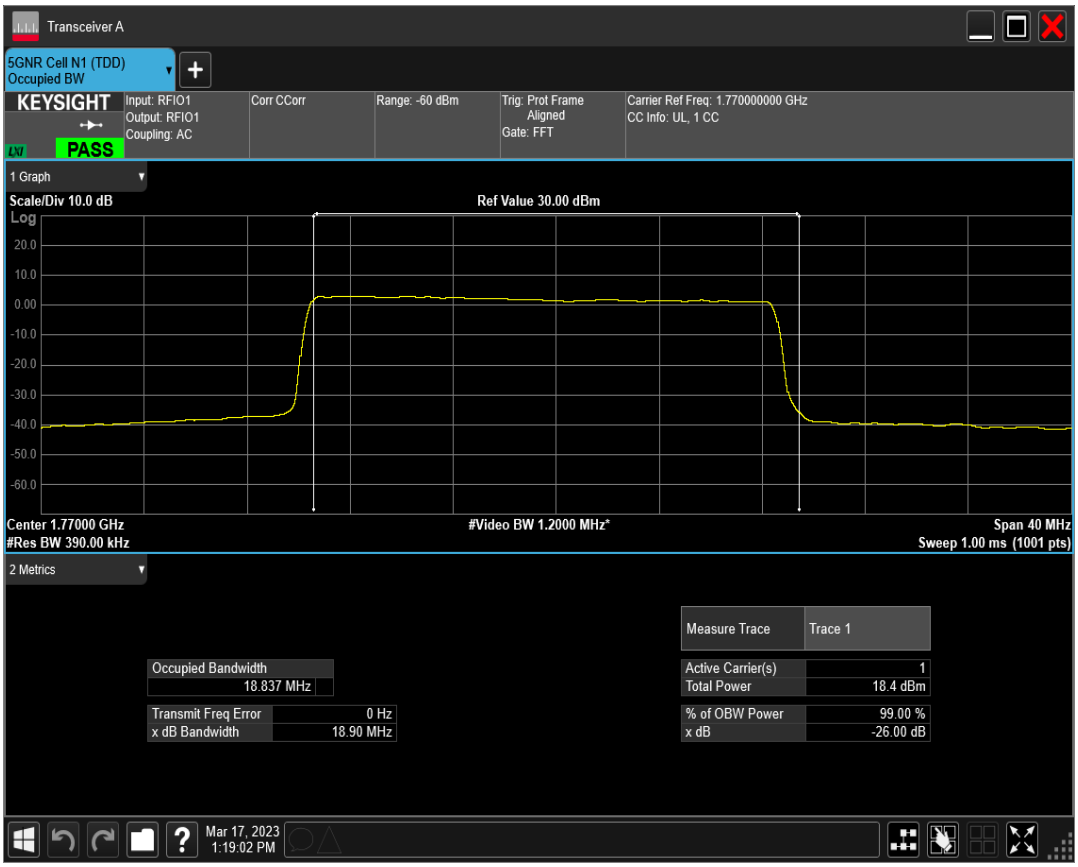
n66 SCS=15kHz DFT_QAM16 BW=20MHz Channel=354000 RB=100@0



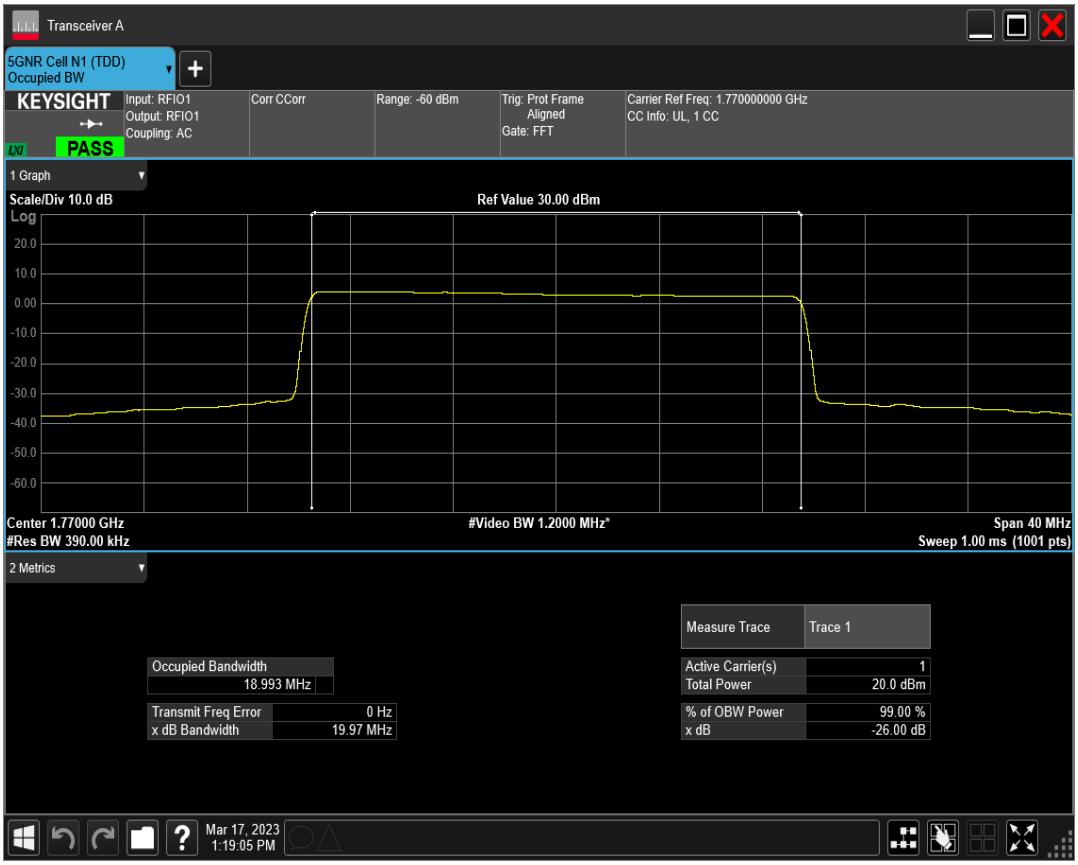
n66 SCS=15kHz DFT_QAM64 BW=20MHz Channel=354000 RB=100@0



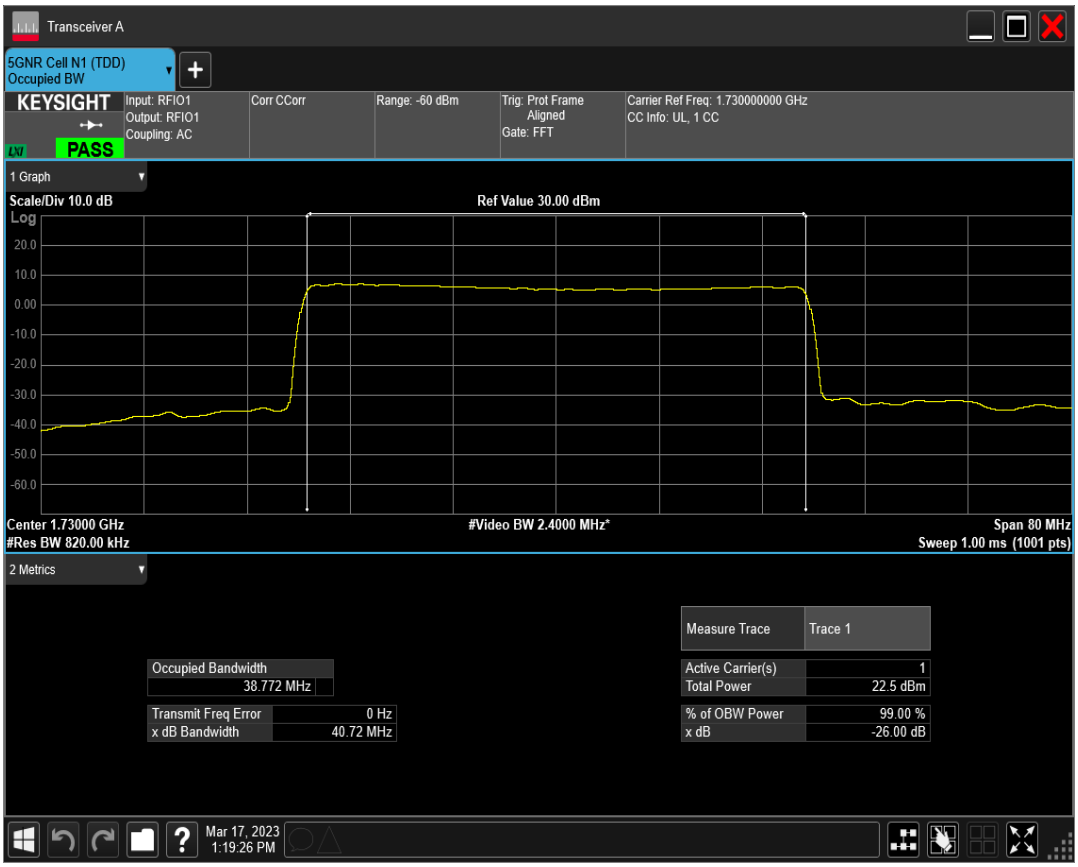
n66 SCS=15kHz DFT_QAM256 BW=20MHz Channel=354000 RB=100@0



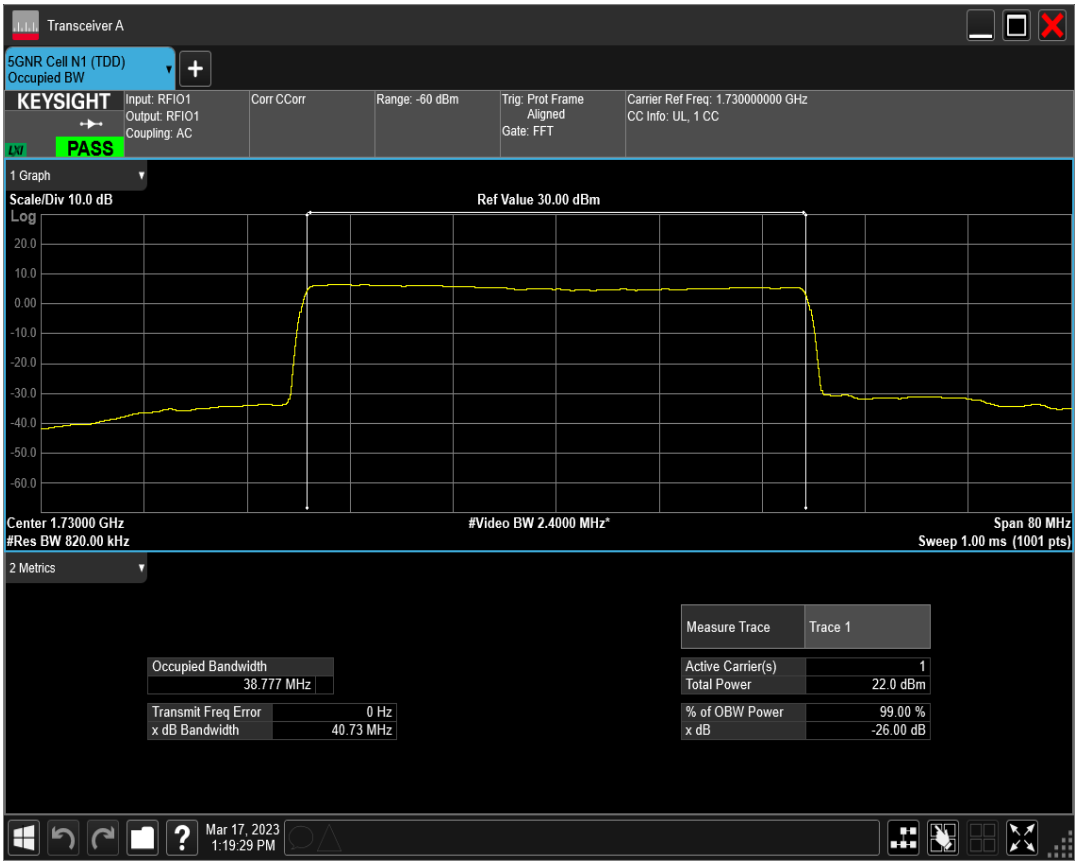
n66 SCS=15kHz CP_QPSK BW=20MHz Channel=354000 RB=106@0



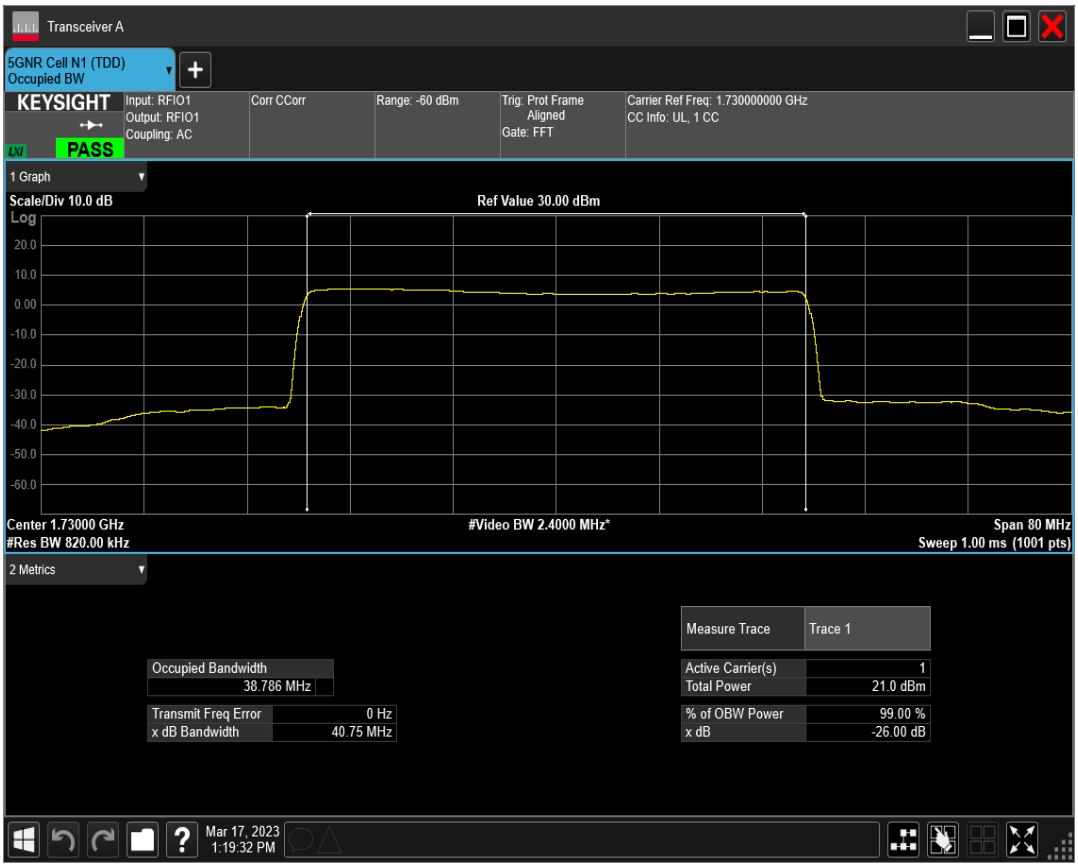
n66 SCS=15kHz DFT_BPSK BW=40MHz Channel=346000 RB=216@0



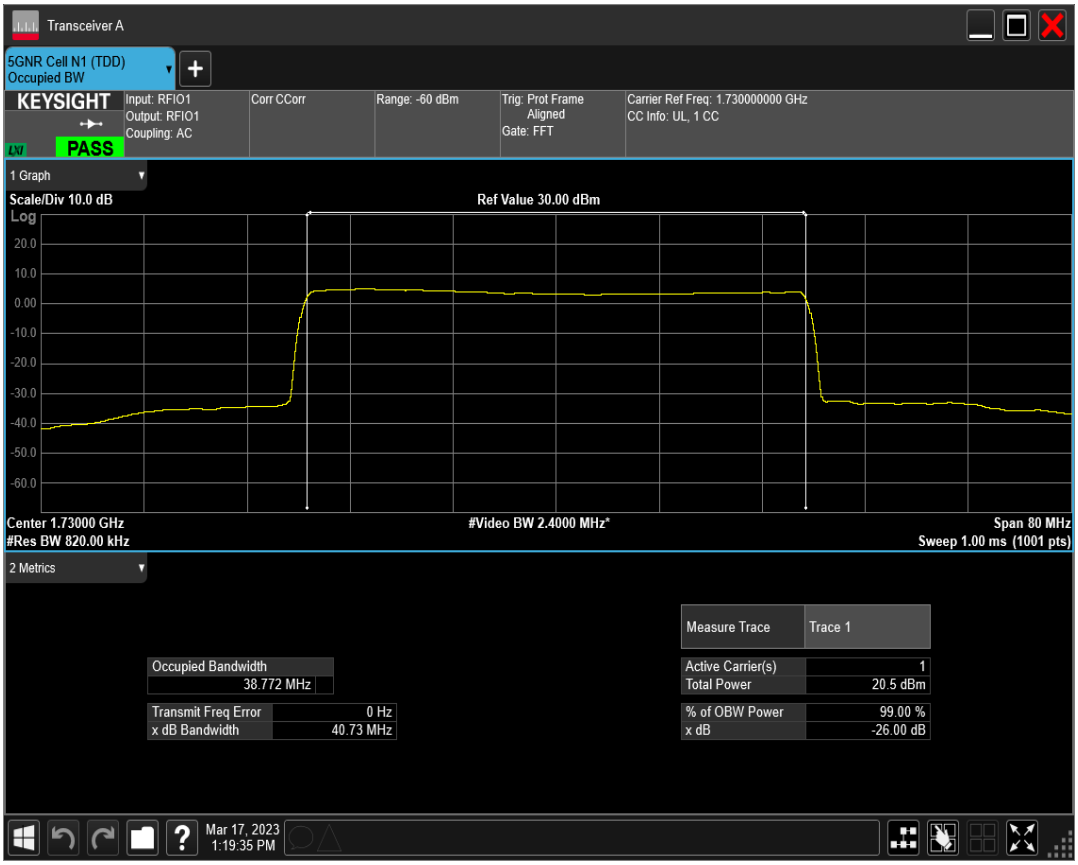
n66 SCS=15kHz DFT_QPSK BW=40MHz Channel=346000 RB=216@0



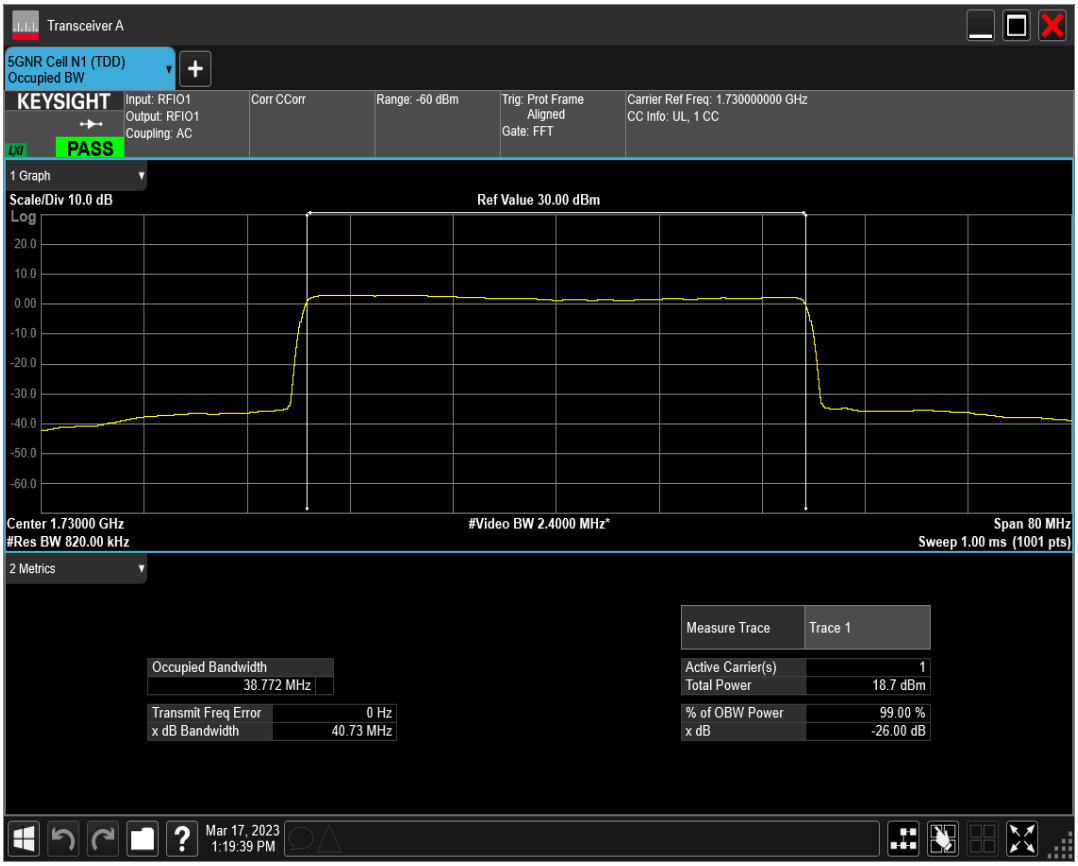
n66 SCS=15kHz DFT_QAM16 BW=40MHz Channel=346000 RB=216@0



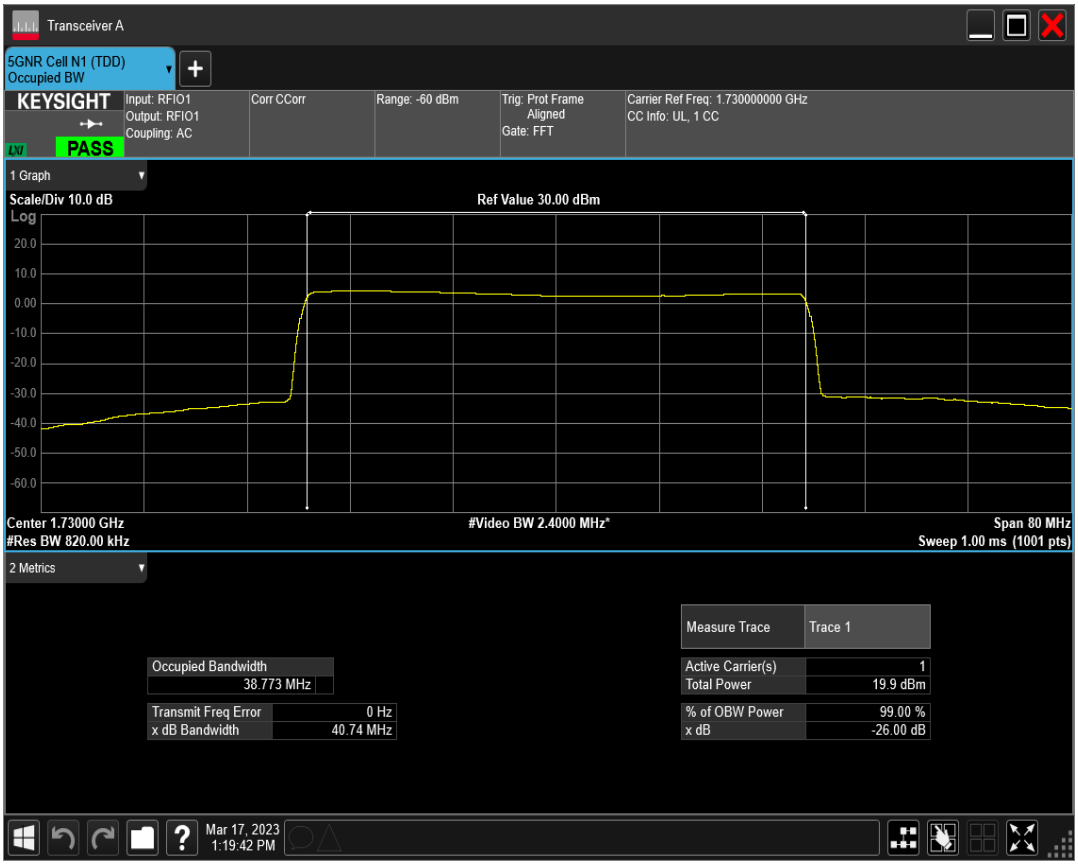
n66 SCS=15kHz DFT_QAM64 BW=40MHz Channel=346000 RB=216@0



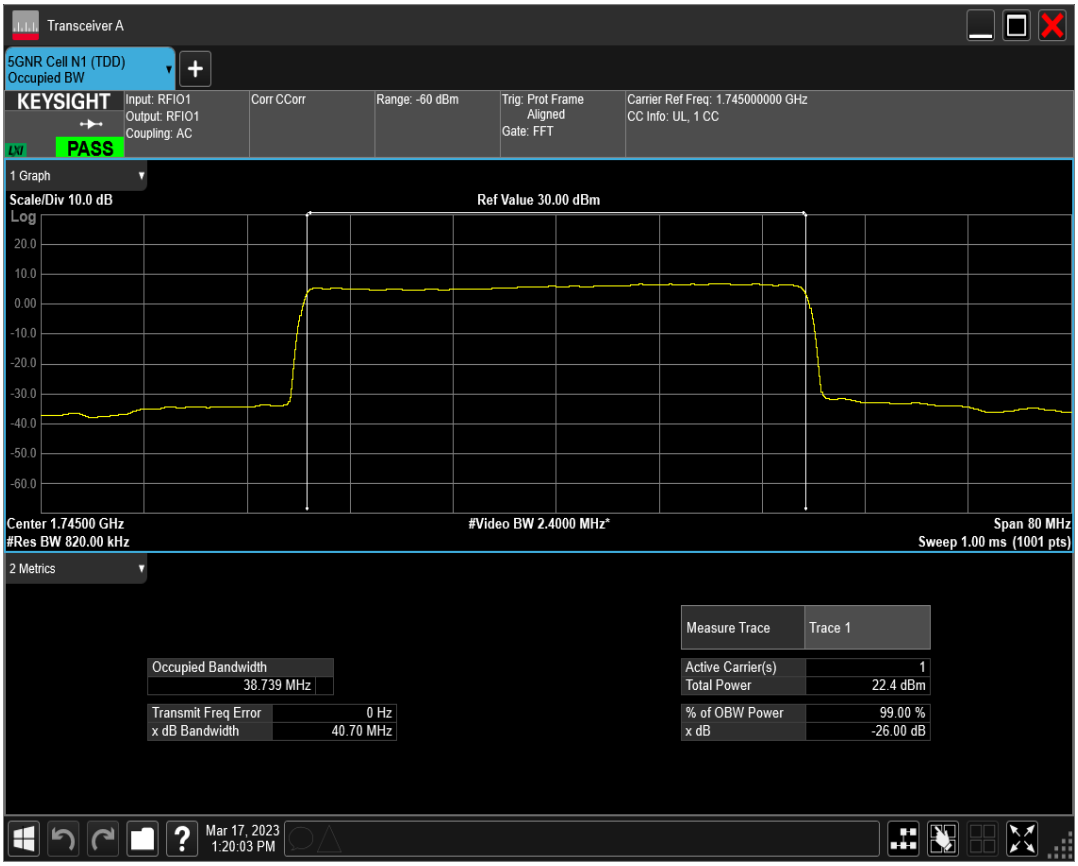
n66 SCS=15kHz DFT_QAM256 BW=40MHz Channel=346000 RB=216@0



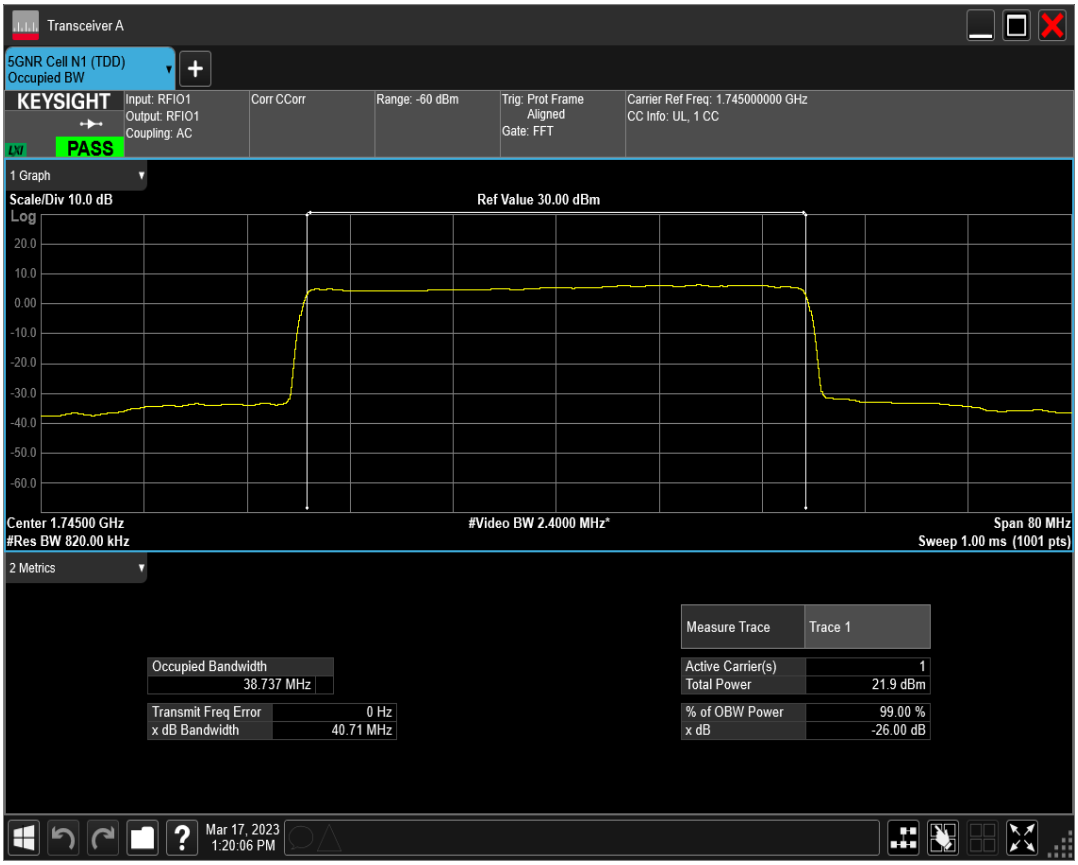
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=346000 RB=216@0



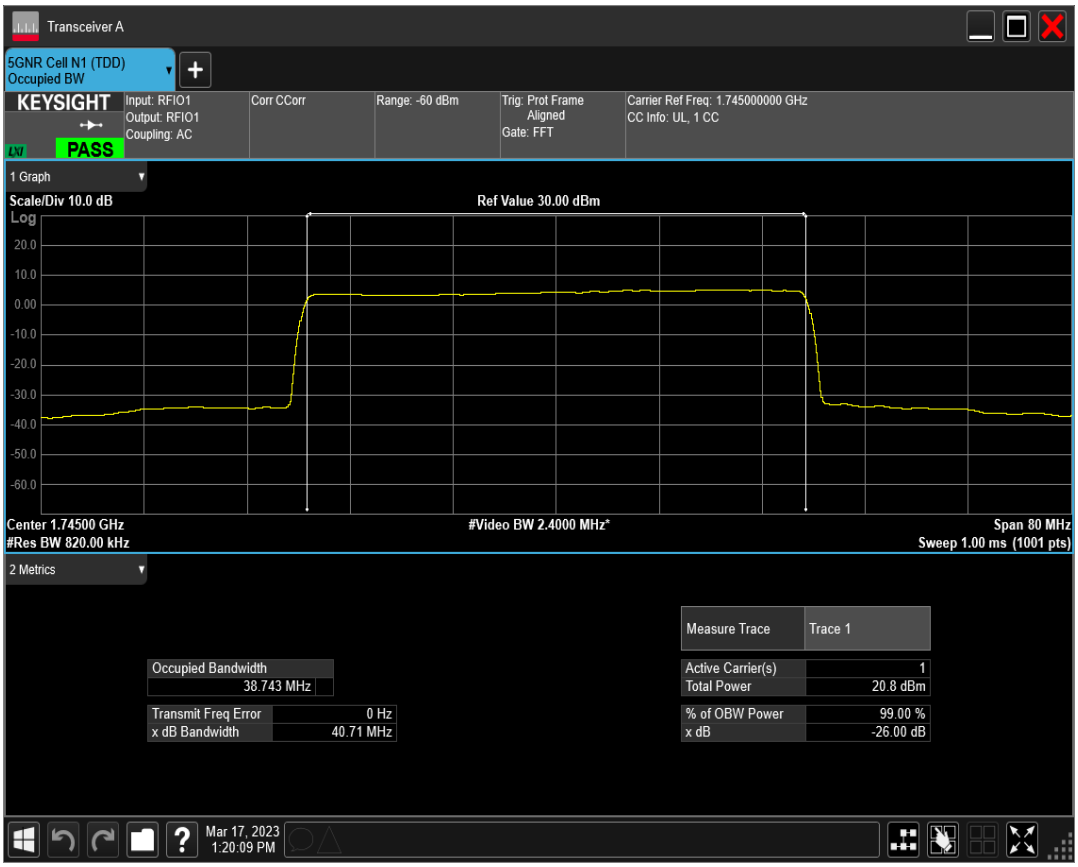
n66 SCS=15kHz DFT_BPSK BW=40MHz Channel=349000 RB=216@0



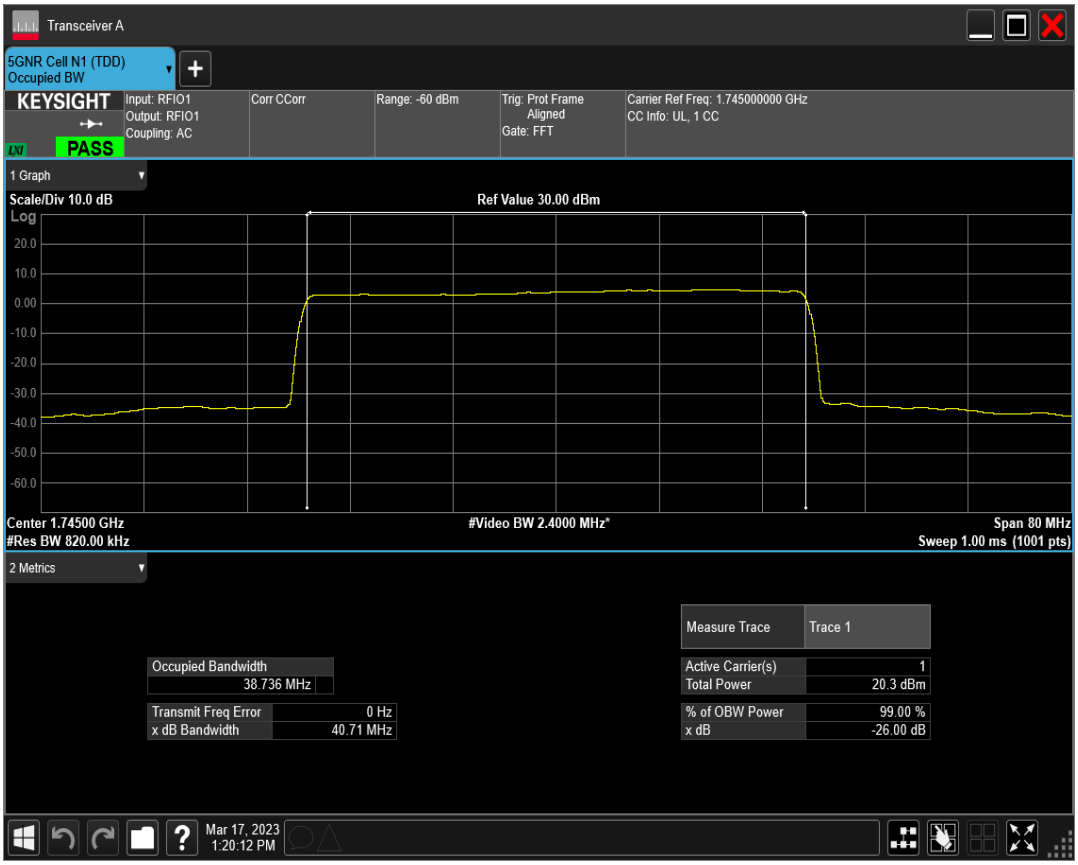
n66 SCS=15kHz DFT_QPSK BW=40MHz Channel=349000 RB=216@0



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

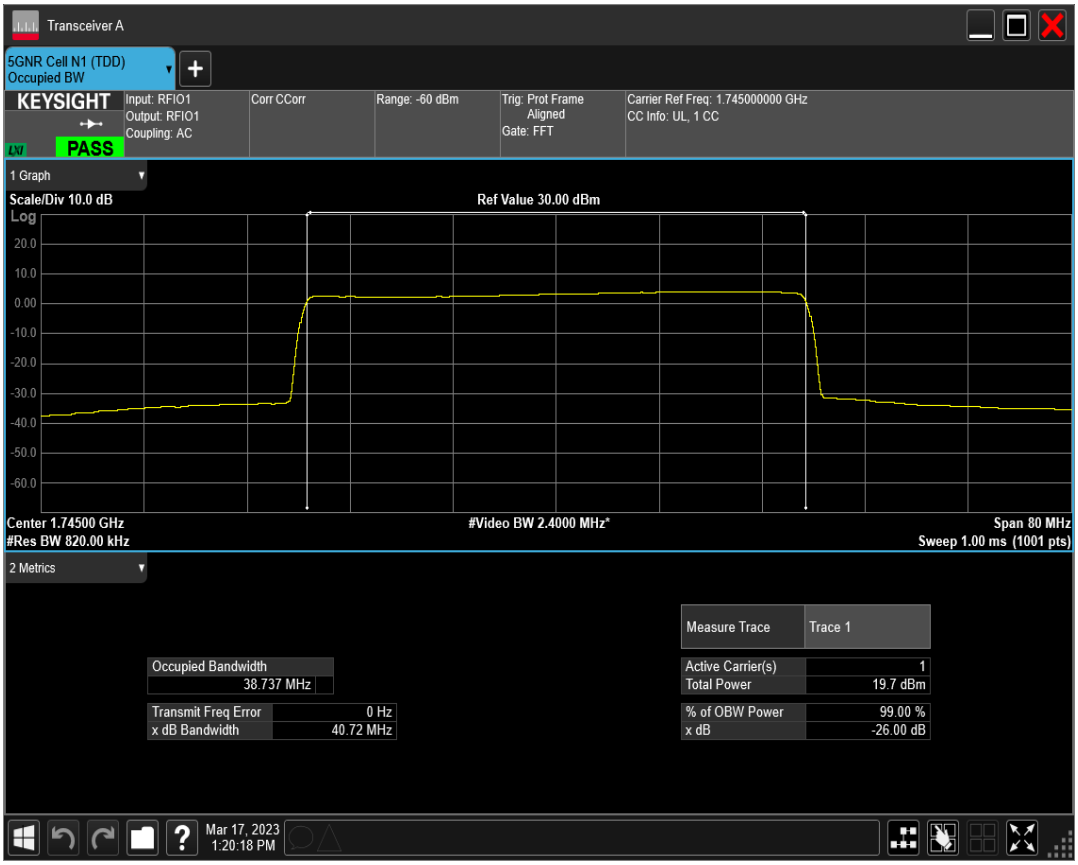


n66 SCS=15kHz DFT_QAM64 BW=40MHz Channel=349000 RB=216@0



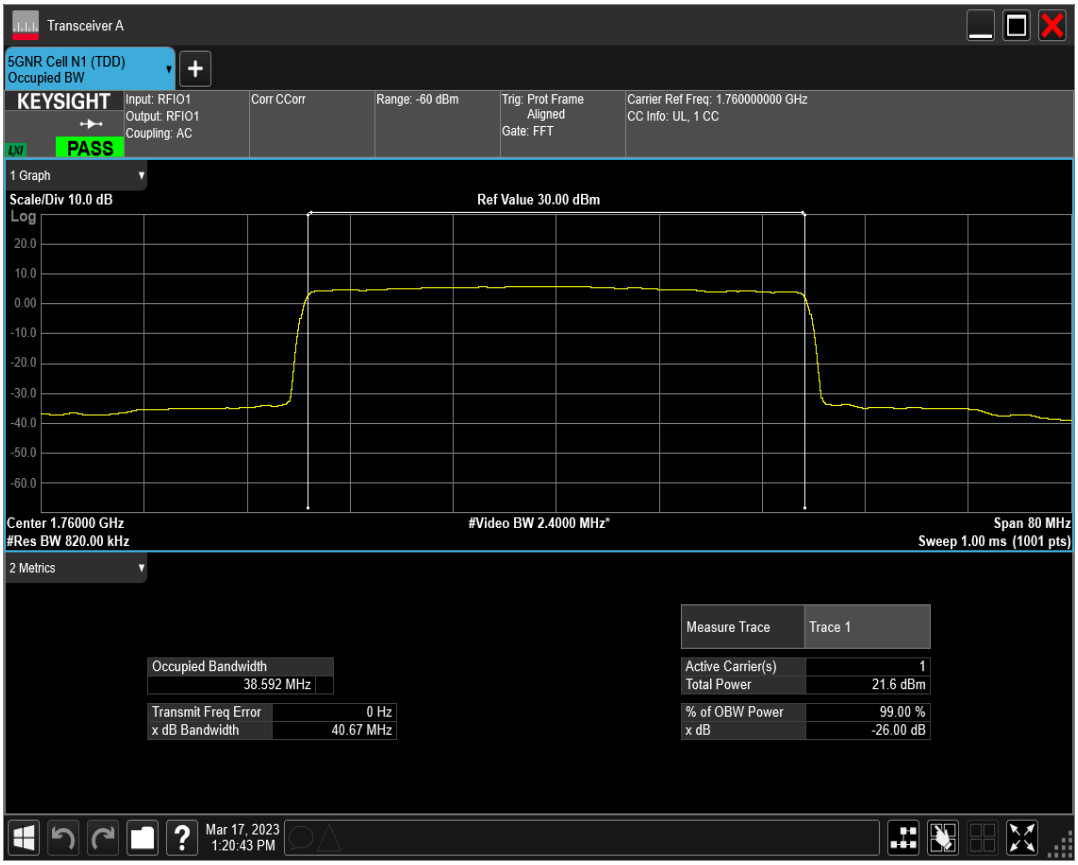
n66 SCS=15kHz DFT_QAM256 BW=40MHz Channel=349000 RB=216@0

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

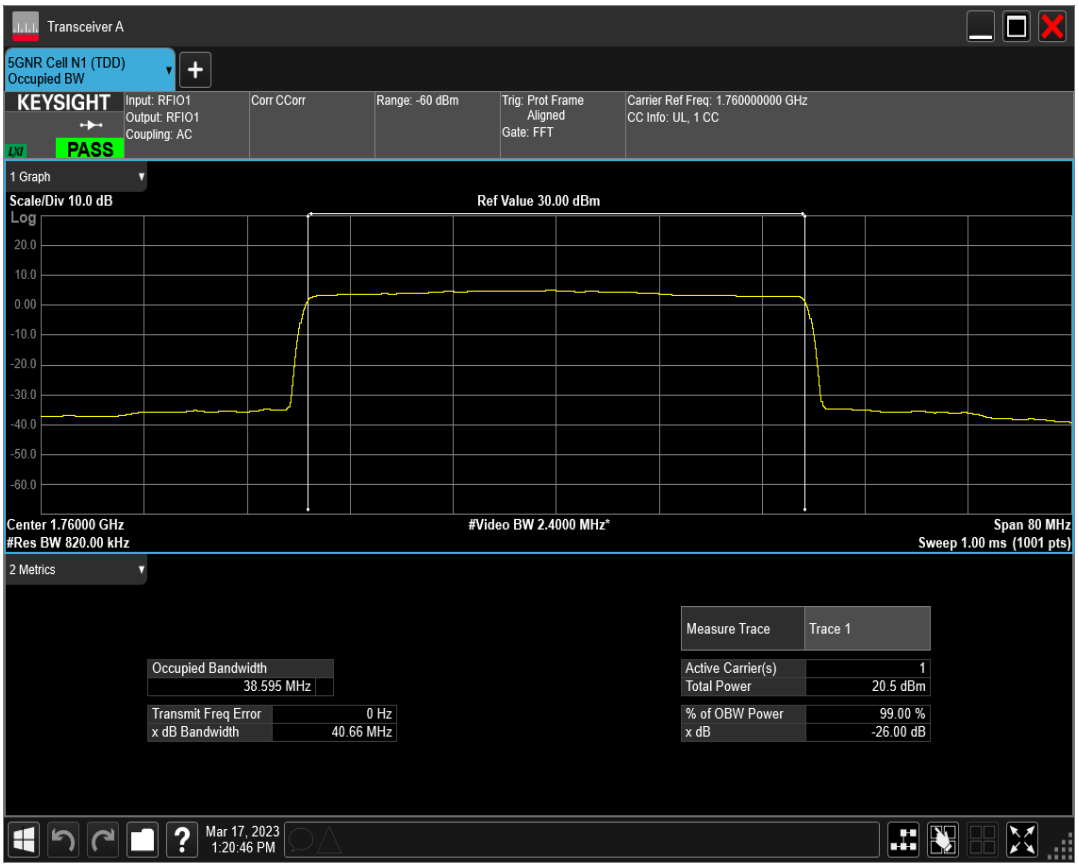


n66 SCS=15kHz DFT_BPSK BW=40MHz Channel=352000 RB=216@0

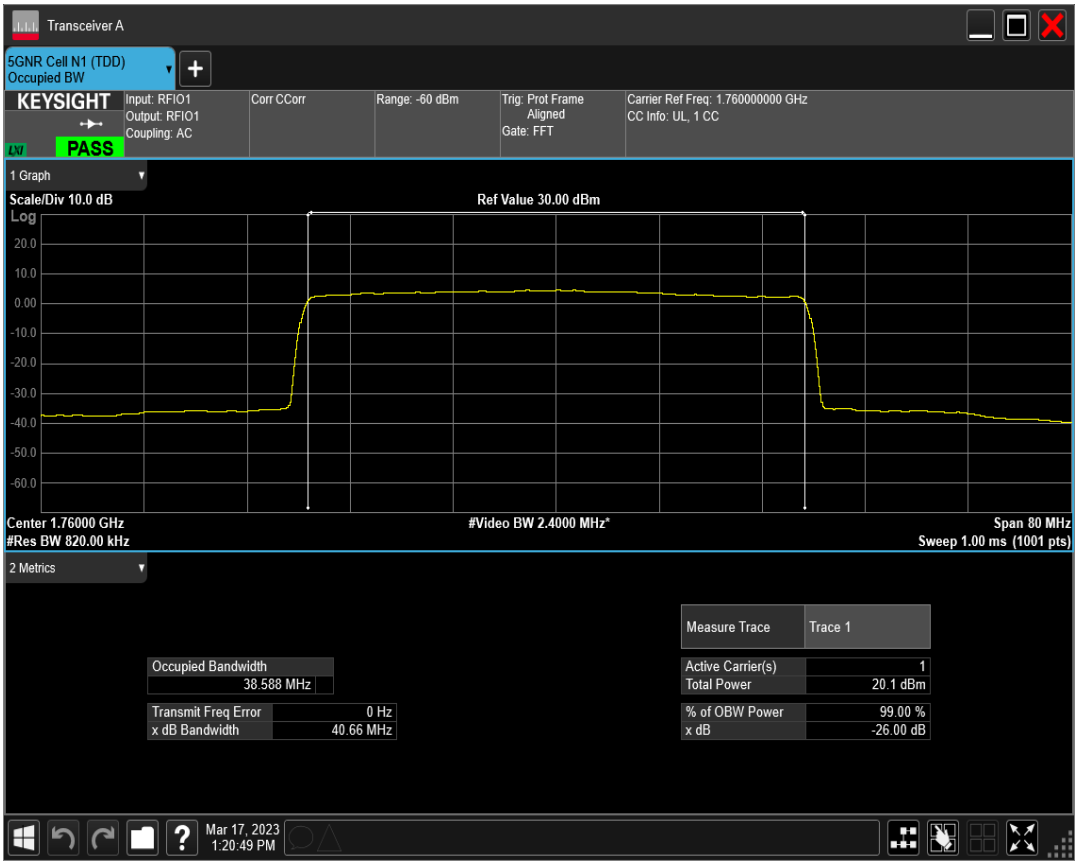
n66 SCS=15kHz DFT_QPSK BW=40MHz Channel=352000 RB=216@0



n66 SCS=15kHz DFT_QAM16 BW=40MHz Channel=352000 RB=216@0

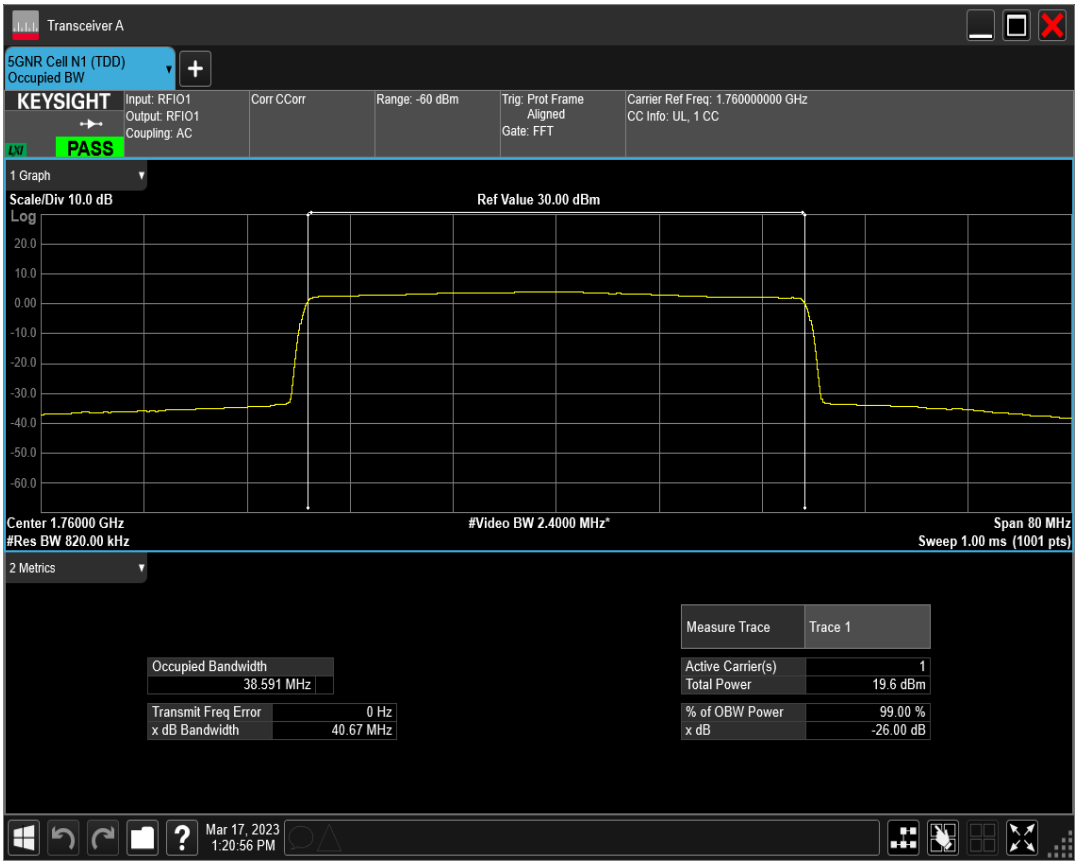


n66 SCS=15kHz DFT_QAM64 BW=40MHz Channel=352000 RB=216@0



n66 SCS=15kHz DFT_QAM256 BW=40MHz Channel=352000 RB=216@0

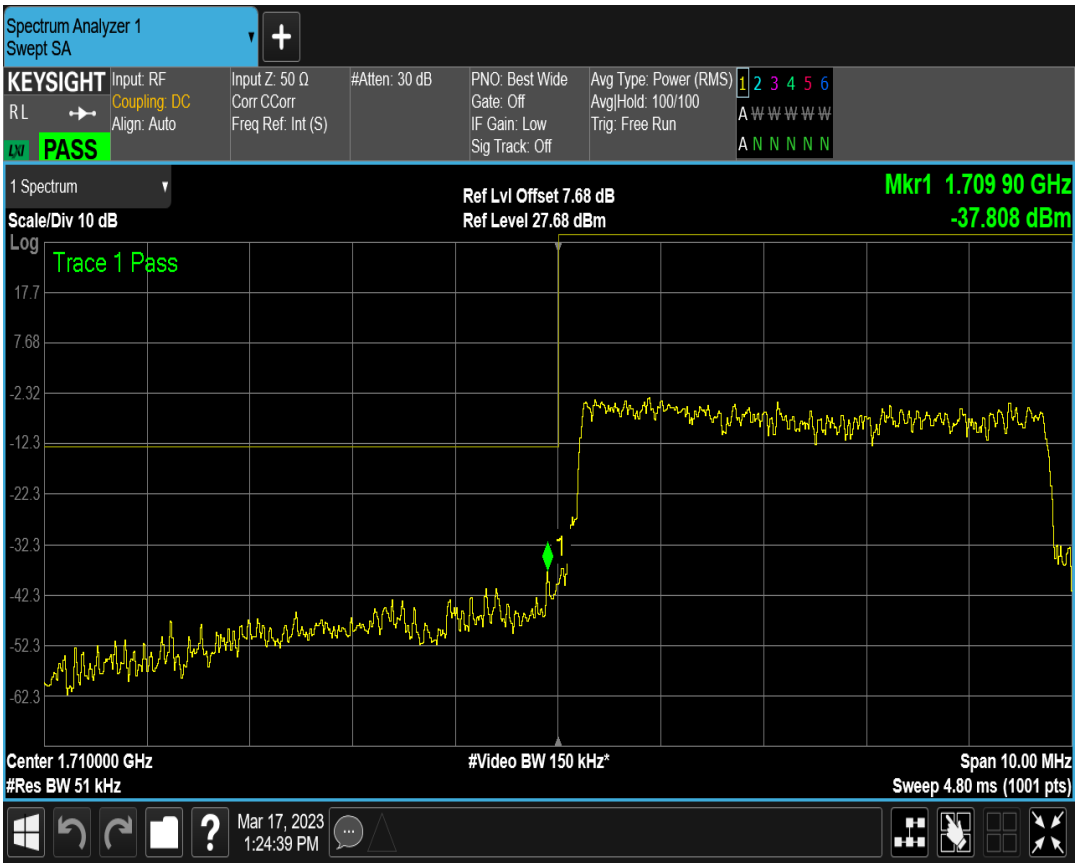
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=352000 RB=216@0



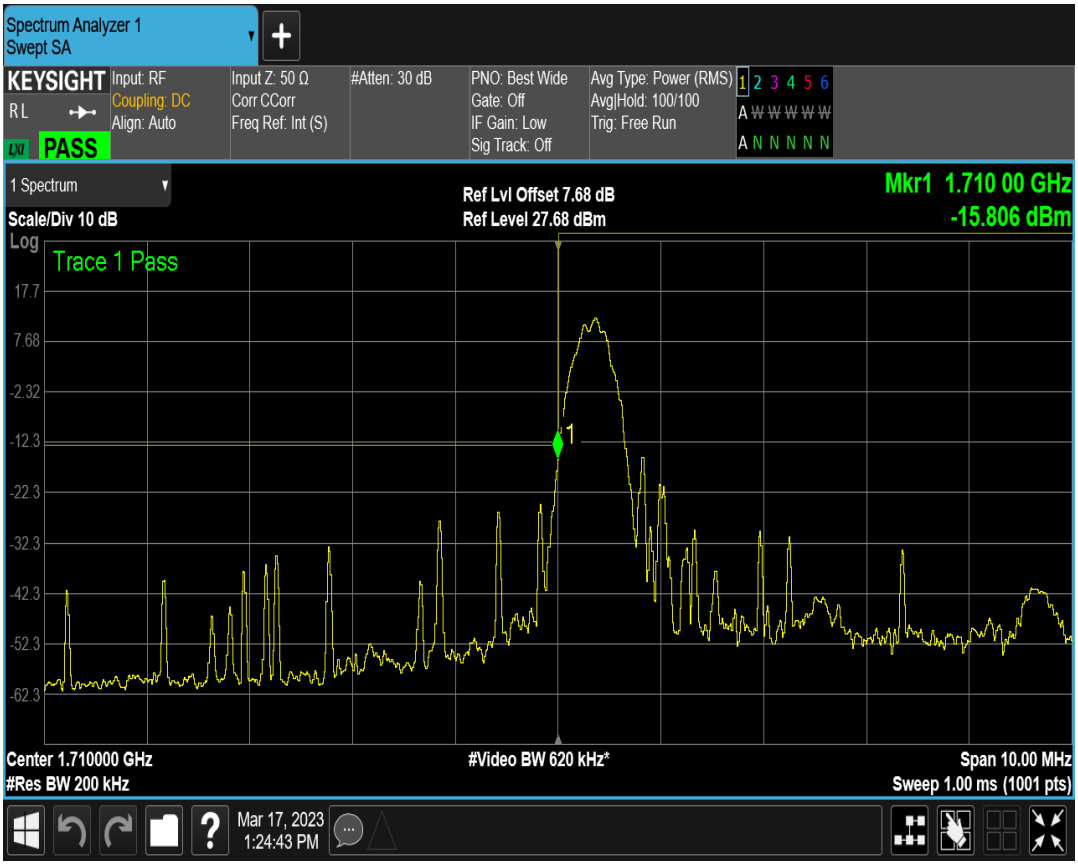
5 Band edge for NR FR1

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	DFT_QPSK	1709.90	-37.80	-13	PASS
n66	15	5	342500	1@0	DFT_QPSK	1710.00	-15.80	-13	PASS
n66	15	5	355500	25@0	DFT_QPSK	1780.03	-35.97	-13	PASS
n66	15	5	355500	1@24	DFT_QPSK	1780.04	-17.01	-13	PASS
n66	15	40	346000	216@0	DFT_QPSK	1710.00	-36.44	-13	PASS
n66	15	40	346000	1@0	DFT_QPSK	1705.52	-45.91	-13	PASS
n66	15	40	352000	216@0	DFT_QPSK	1780.00	-35.26	-13	PASS
n66	15	40	352000	1@215	DFT_QPSK	1780.32	-32.29	-13	PASS

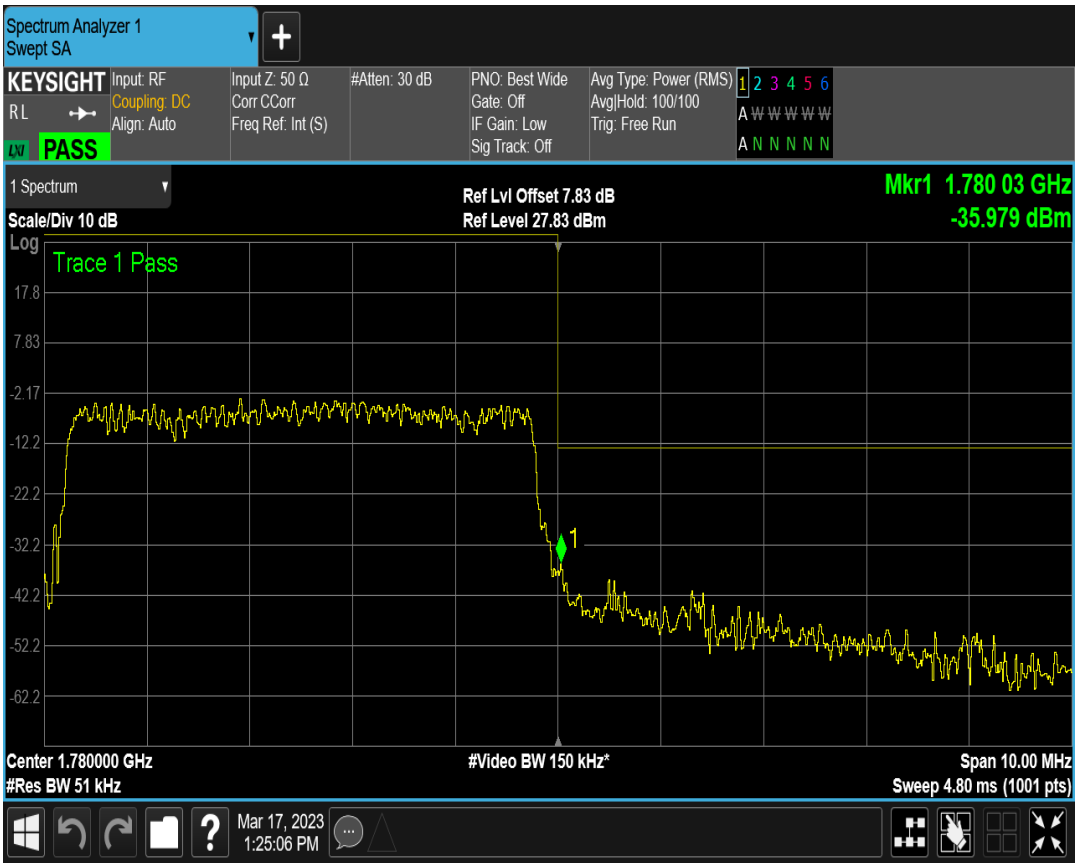
n66 SCS=15kHz DFT_QPSK BW=5MHz Channel=342500 RB=25@0



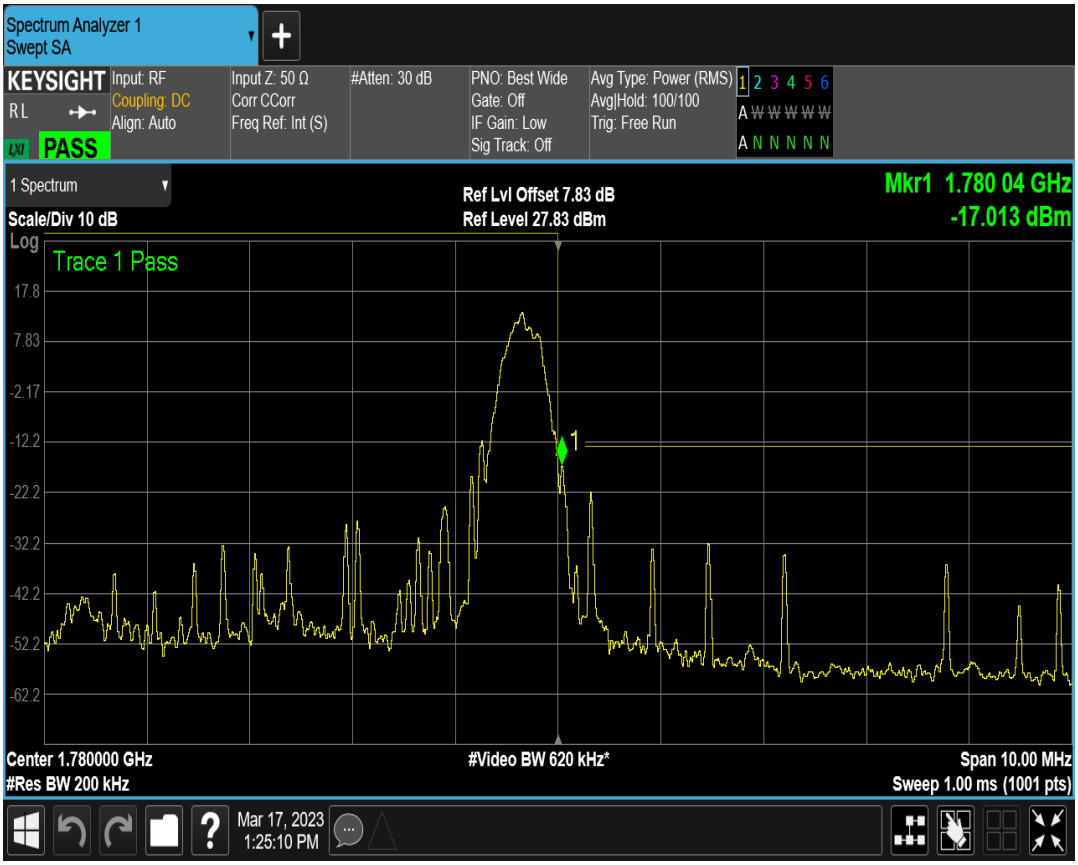
n66 SCS=15kHz DFT_QPSK BW=5MHz Channel=342500 RB=1@0



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

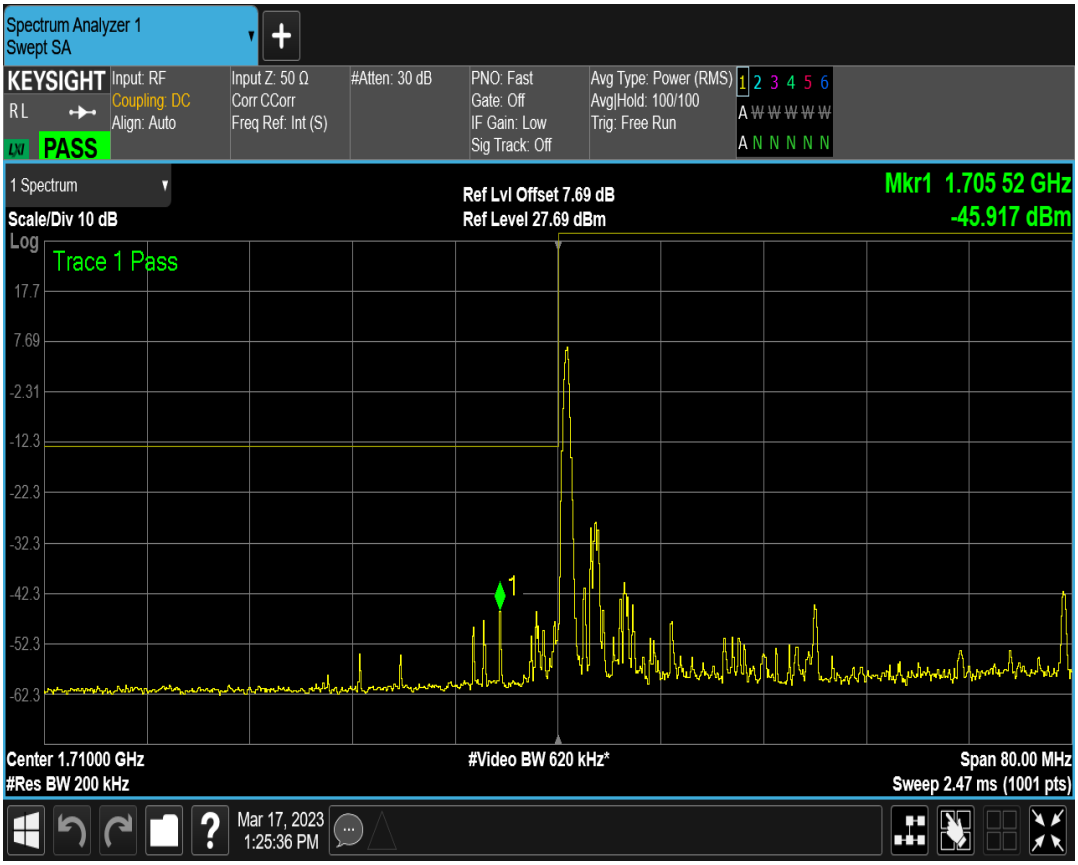


n66 SCS=15kHz DFT_QPSK BW=5MHz Channel=355500 RB=1@24



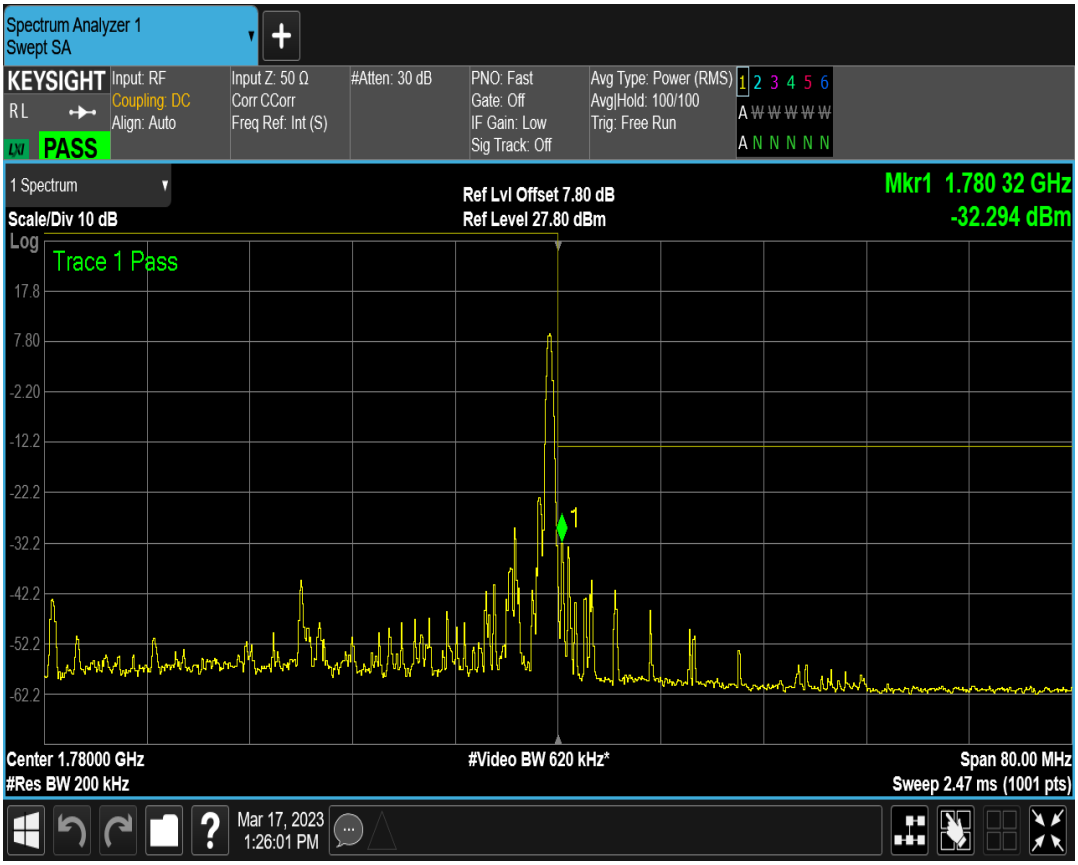
n66 SCS=15kHz DFT_QPSK BW=40MHz Channel=346000 RB=216@0

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



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

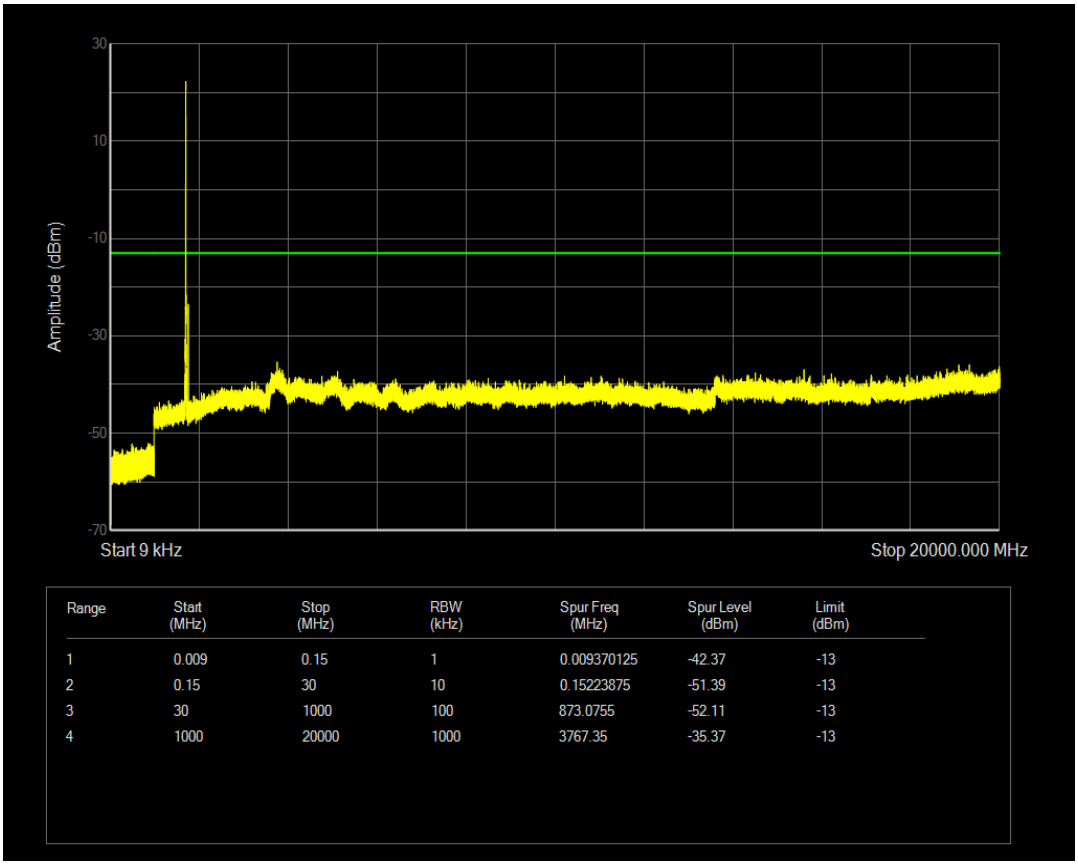
n66 SCS=15kHz DFT_QPSK BW=40MHz Channel=352000 RB=1@215



6 Out-of-band emissions for NR FR1

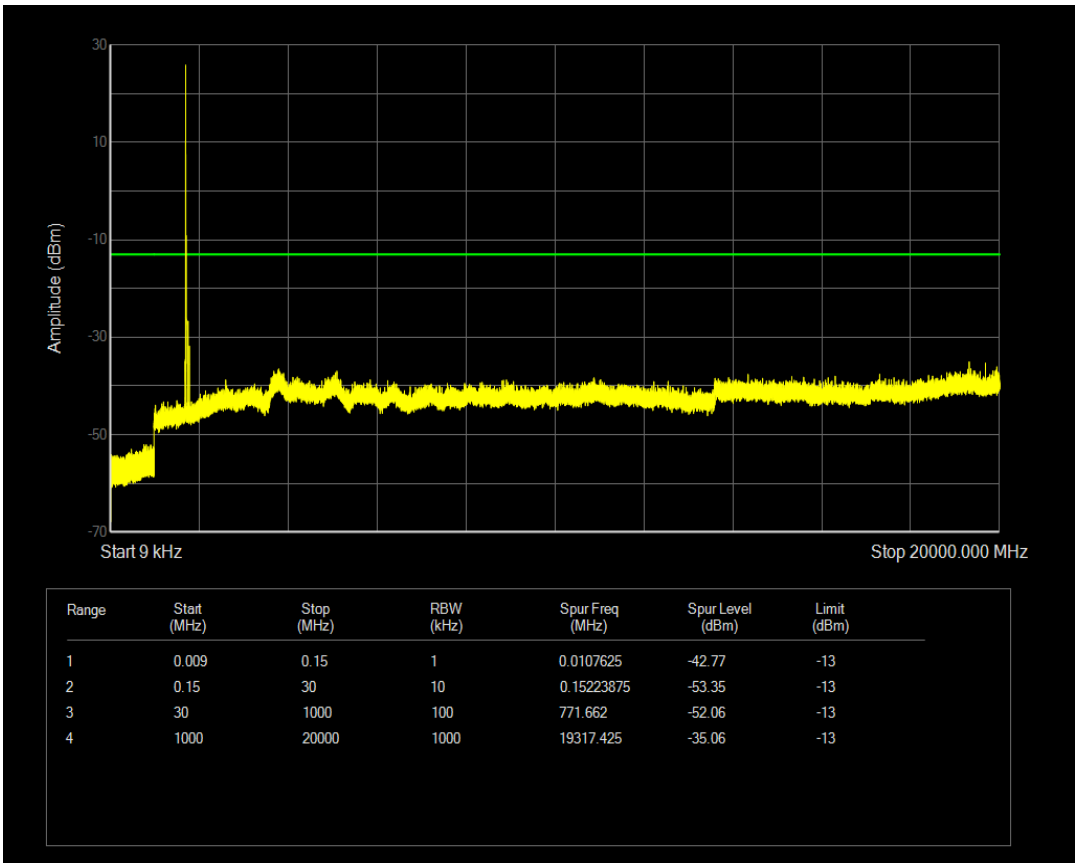
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n66	15	5	342500	25@0	DFT_QPSK	3767.35	-35.37	-13	PASS
n66	15	5	342500	1@0	DFT_QPSK	19317.43	-35.06	-13	PASS
n66	15	5	342500	1@24	DFT_QPSK	3856.18	-35.51	-13	PASS
n66	15	5	349000	25@0	DFT_QPSK	19847.05	-36.44	-13	PASS
n66	15	5	349000	1@0	DFT_QPSK	1802.28	-31.67	-13	PASS
n66	15	5	349000	1@24	DFT_QPSK	3774.00	-36.55	-13	PASS
n66	15	5	355500	25@0	DFT_QPSK	3806.30	-36.23	-13	PASS
n66	15	5	355500	1@0	DFT_QPSK	3796.33	-36.25	-13	PASS
n66	15	5	355500	1@24	DFT_QPSK	3755.48	-35.44	-13	PASS
n66	15	40	346000	216@0	DFT_QPSK	19248.08	-36.24	-13	PASS
n66	15	40	346000	1@0	DFT_QPSK	19377.75	-35.97	-13	PASS
n66	15	40	346000	1@215	DFT_QPSK	19403.88	-36.60	-13	PASS
n66	15	40	349000	216@0	DFT_QPSK	3764.50	-36.08	-13	PASS
n66	15	40	349000	1@0	DFT_QPSK	18957.38	-36.75	-13	PASS
n66	15	40	349000	1@215	DFT_QPSK	19238.58	-35.79	-13	PASS
n66	15	40	352000	216@0	DFT_QPSK	3797.28	-36.24	-13	PASS
n66	15	40	352000	1@0	DFT_QPSK	19371.10	-36.09	-13	PASS
n66	15	40	352000	1@215	DFT_QPSK	19409.10	-36.35	-13	PASS

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



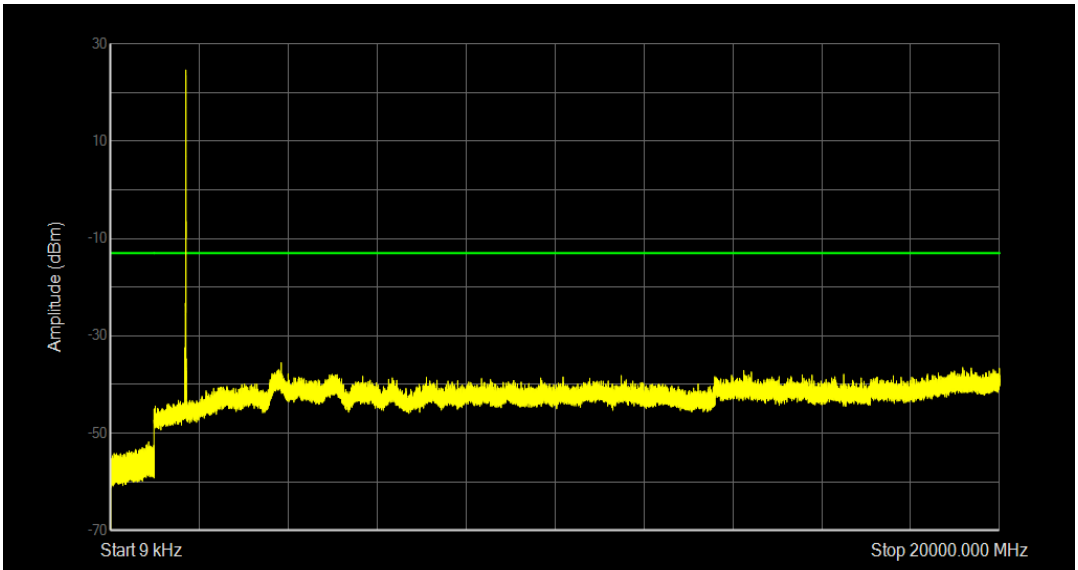
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009370125	-42.37	-13
2	0.15	30	10	0.15223875	-51.39	-13
3	30	1000	100	873.0755	-52.11	-13
4	1000	20000	1000	3767.35	-35.37	-13

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



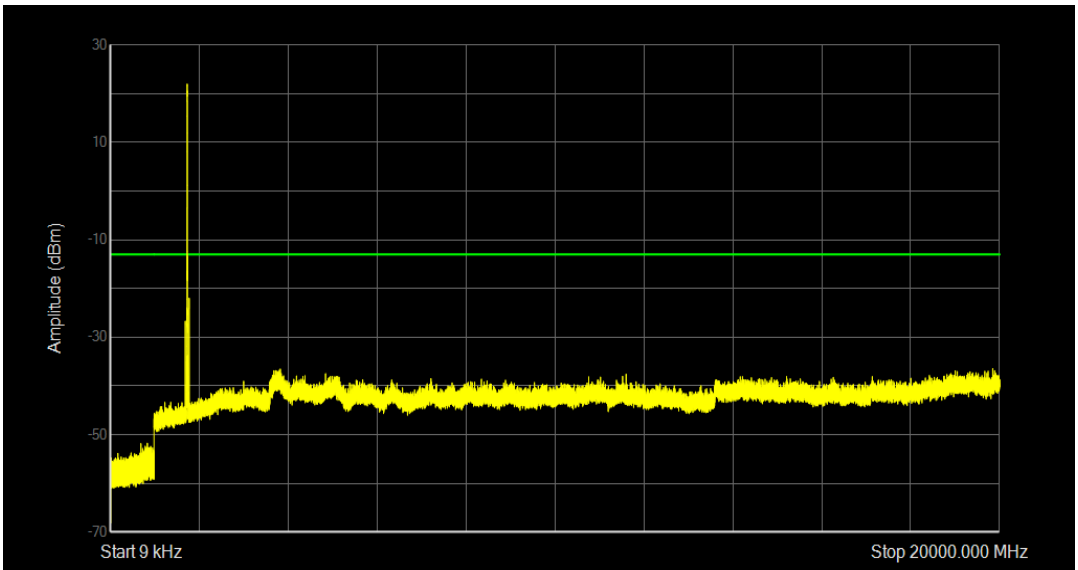
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0107625	-42.77	-13
2	0.15	30	10	0.15223875	-53.35	-13
3	30	1000	100	771.662	-52.06	-13
4	1000	20000	1000	19317.425	-35.06	-13

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



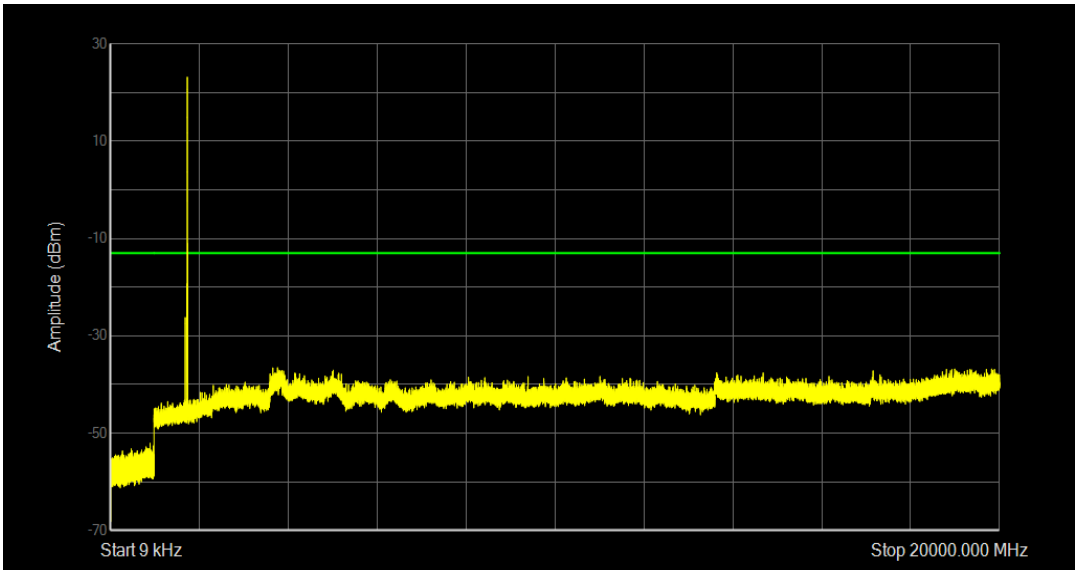
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-41.57	-13
2	0.15	30	10	0.15074625	-53.22	-13
3	30	1000	100	879.1865	-51.8	-13
4	1000	20000	1000	3856.175	-35.51	-13

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



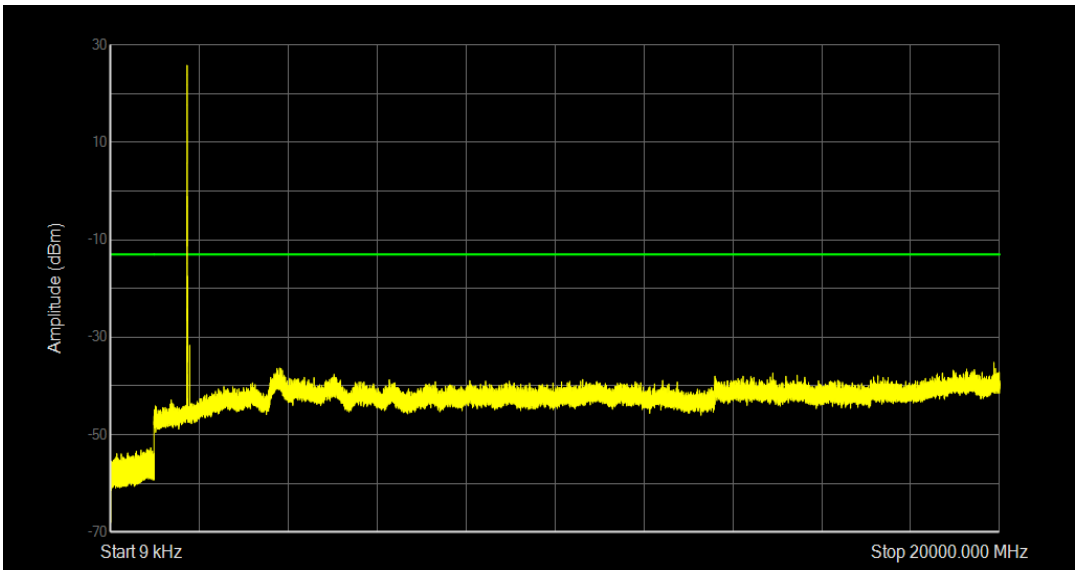
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009236175	-42.13	-13
2	0.15	30	10	0.15373125	-52.42	-13
3	30	1000	100	849.67425	-51.76	-13
4	1000	20000	1000	19847.05	-36.44	-13

n66 SCS=15kHz DFT_QPSK BW=5MHz Channel=349000 RB=1@24



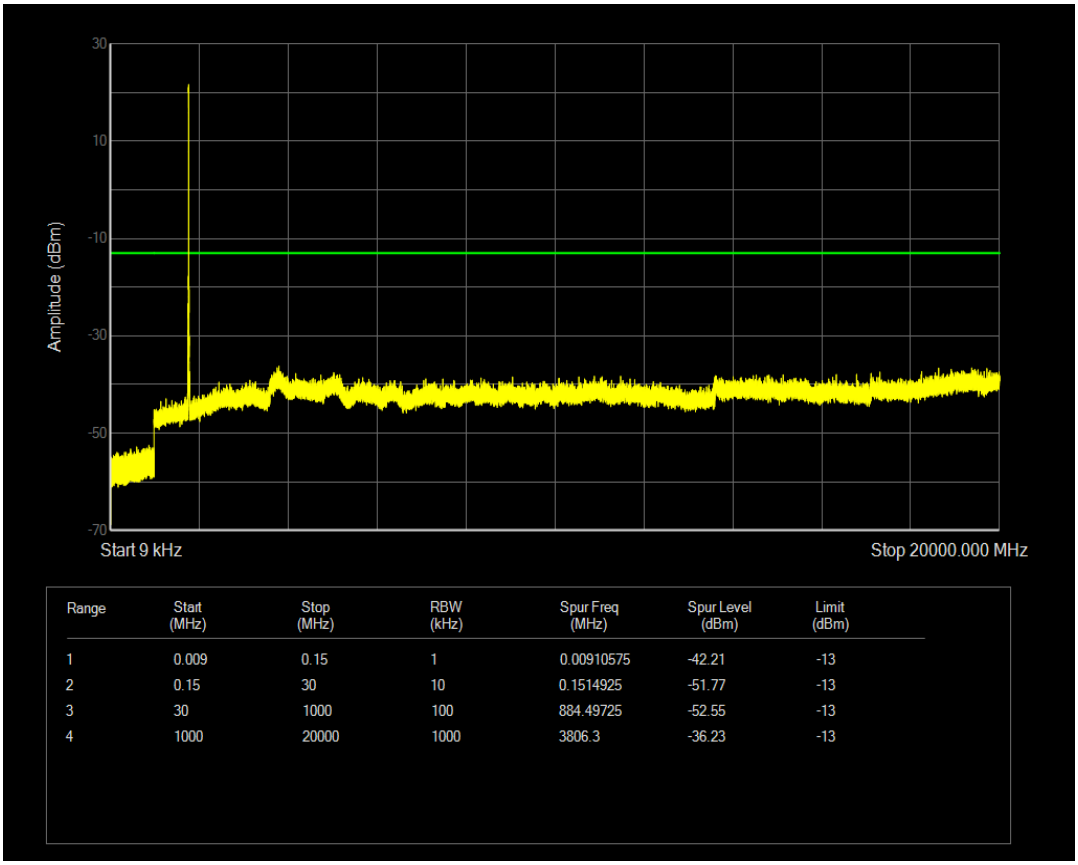
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01154505	-42.68	-13
2	0.15	30	10	0.17014875	-51.74	-13
3	30	1000	100	912.5545	-52.09	-13
4	1000	20000	1000	3774	-36.55	-13

n66 SCS=15kHz DFT_QPSK BW=5MHz Channel=349000 RB=1@0



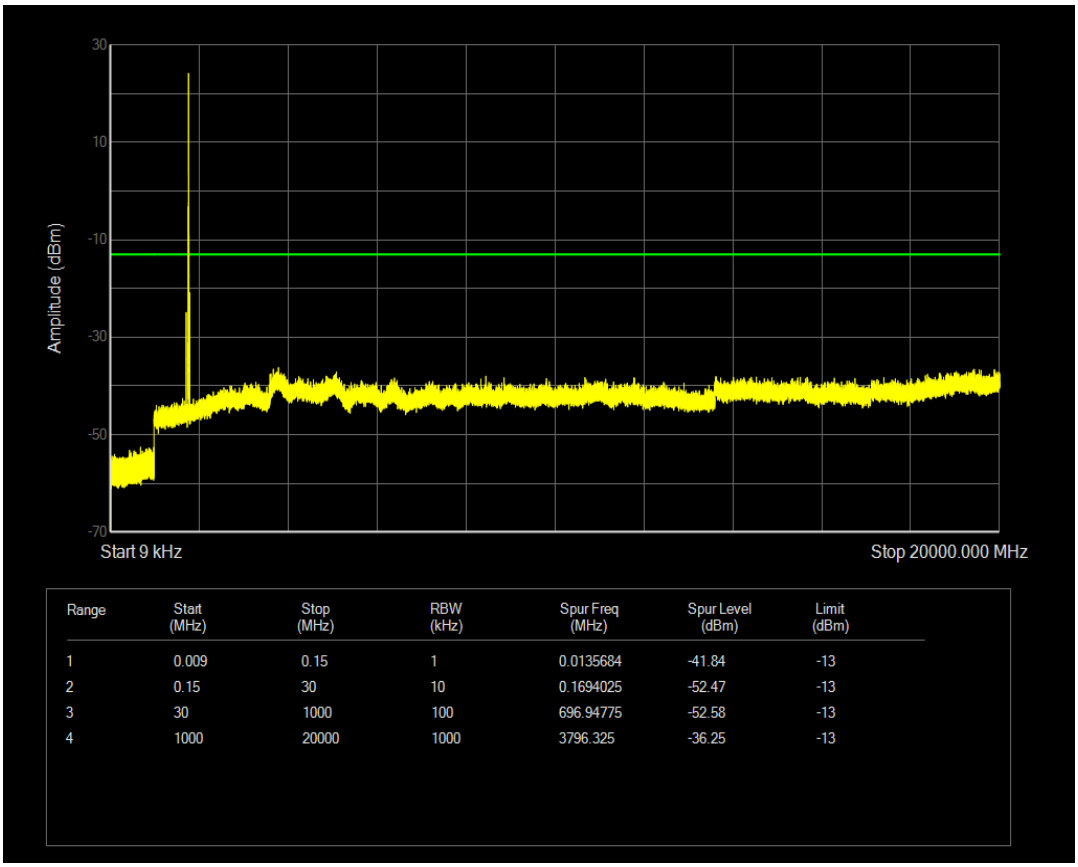
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01060035	-42.95	-13
2	0.15	30	10	0.15	-51.59	-13
3	30	1000	100	924.6795	-52.7	-13
4	1000	20000	1000	1802.275	-31.67	-13

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



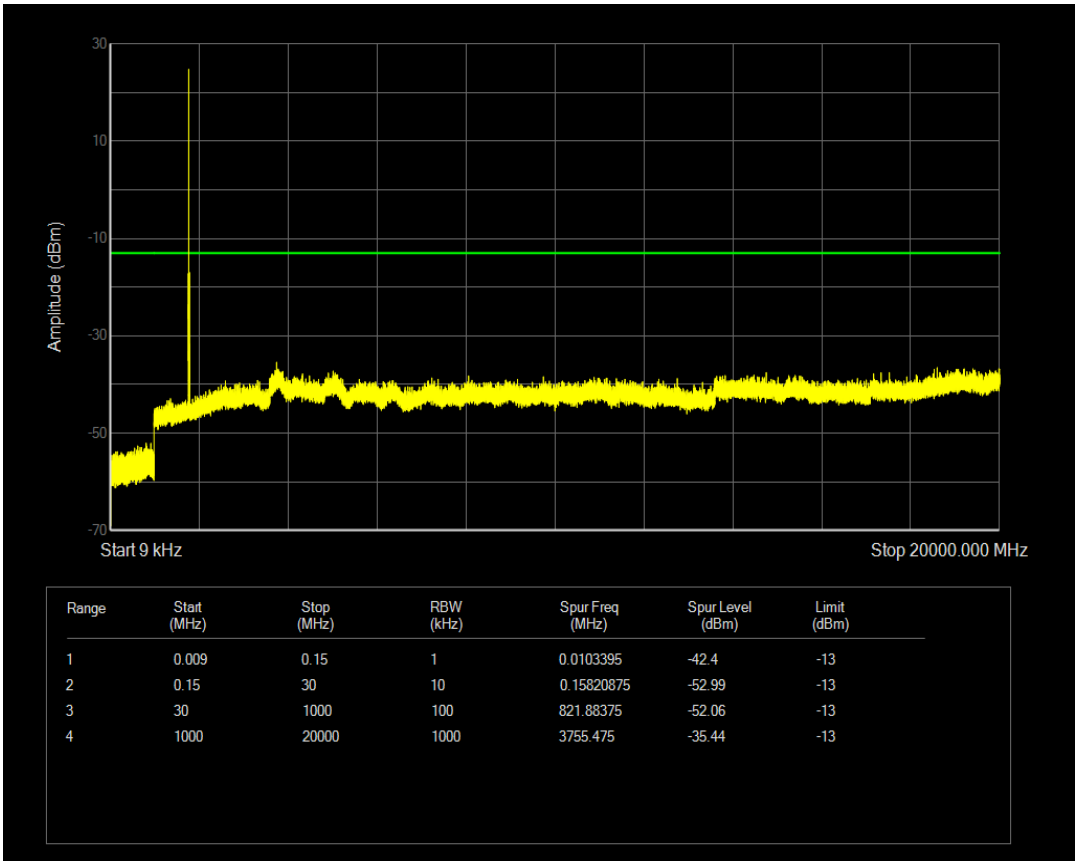
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00910575	-42.21	-13
2	0.15	30	10	0.1514925	-51.77	-13
3	30	1000	100	884.49725	-52.55	-13
4	1000	20000	1000	3806.3	-36.23	-13

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



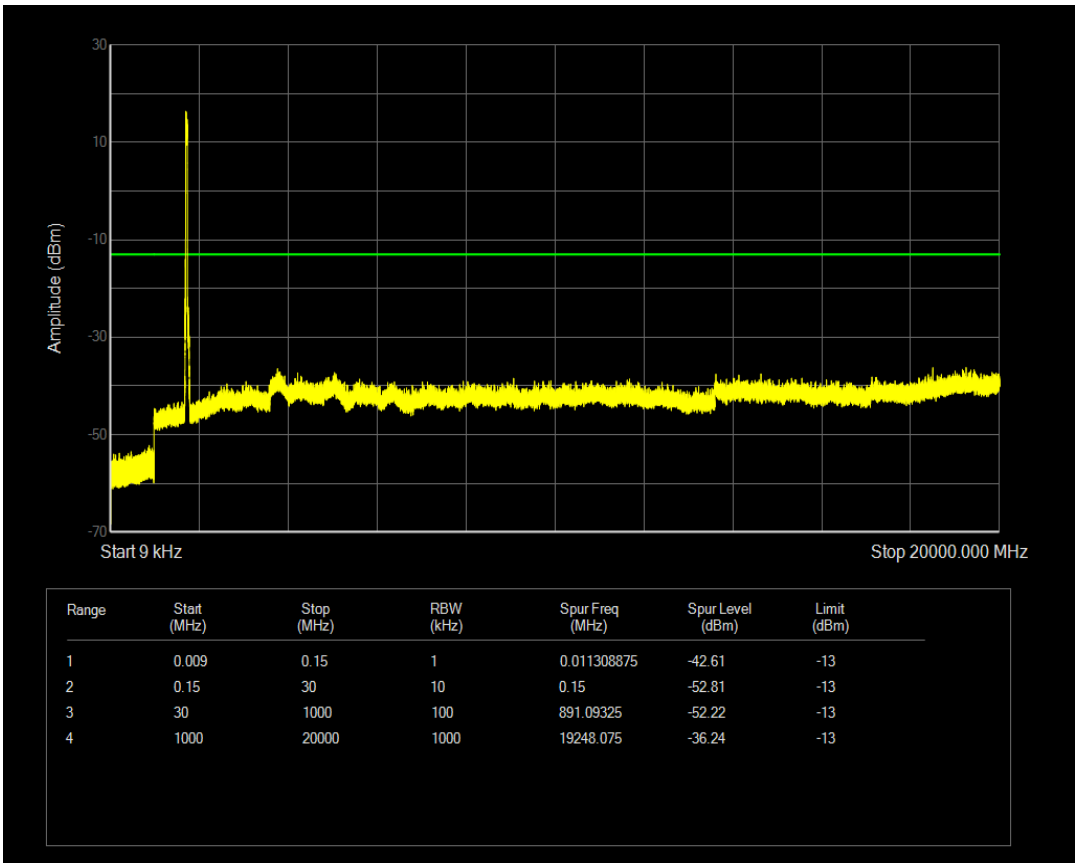
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0135684	-41.84	-13
2	0.15	30	10	0.1694025	-52.47	-13
3	30	1000	100	696.94775	-52.58	-13
4	1000	20000	1000	3796.325	-36.25	-13

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



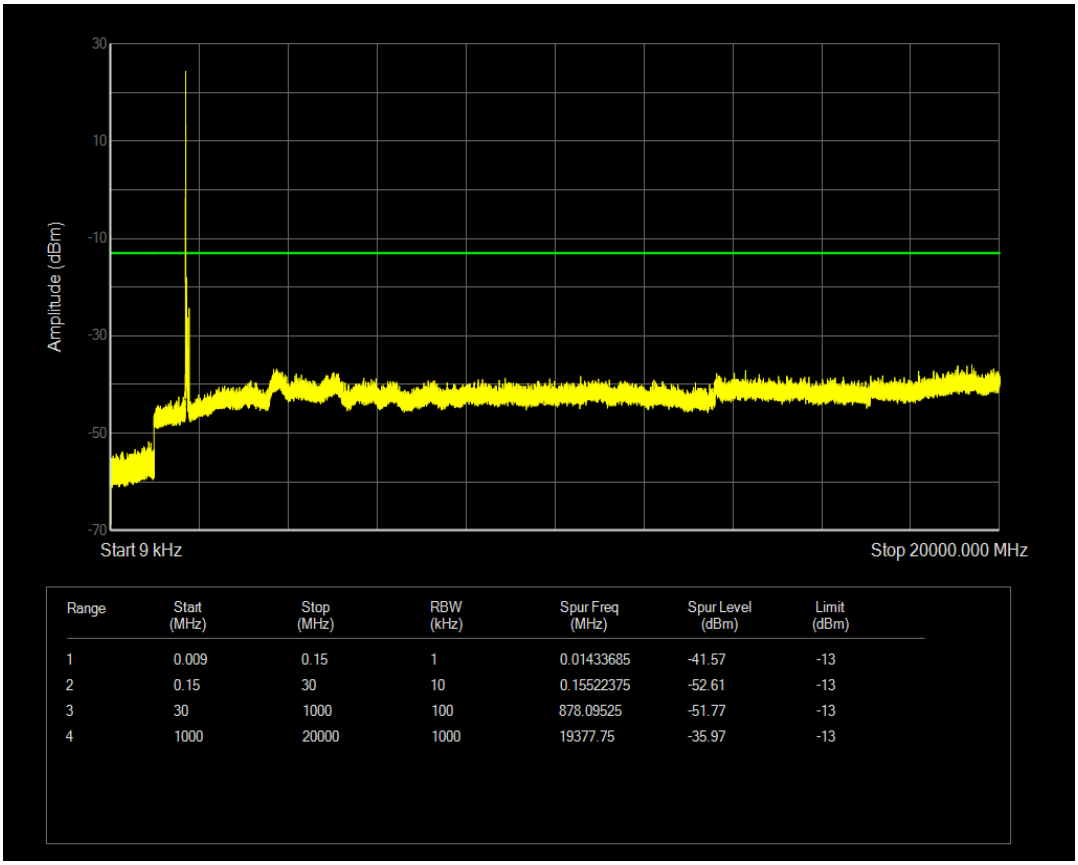
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0103395	-42.4	-13
2	0.15	30	10	0.15820875	-52.99	-13
3	30	1000	100	821.88375	-52.06	-13
4	1000	20000	1000	3755.475	-35.44	-13

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



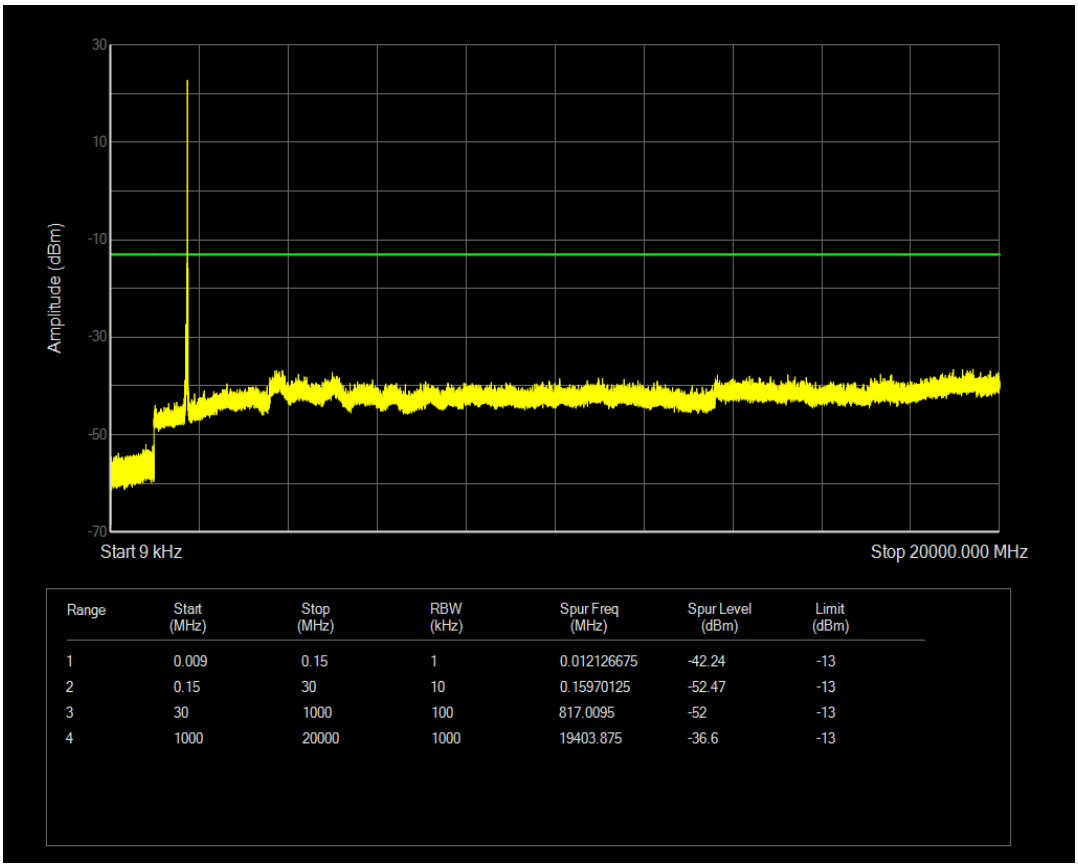
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011308875	-42.61	-13
2	0.15	30	10	0.15	-52.81	-13
3	30	1000	100	891.09325	-52.22	-13
4	1000	20000	1000	19248.075	-36.24	-13

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



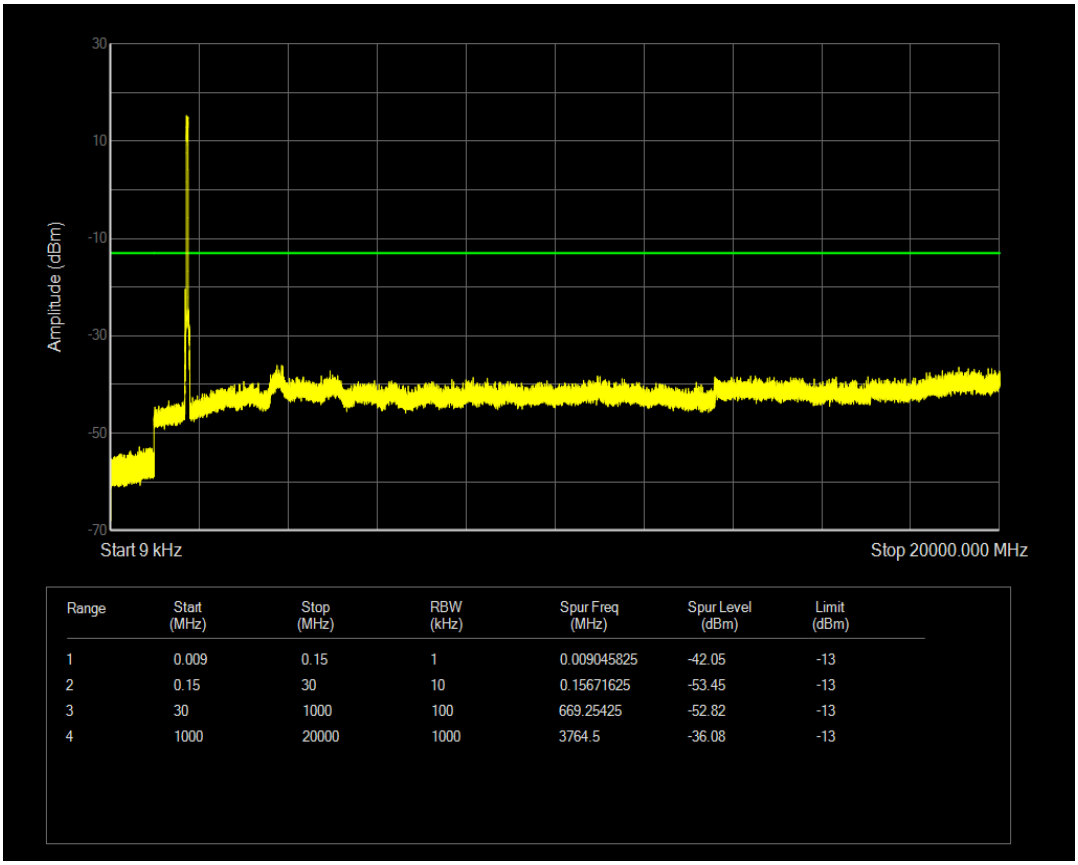
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01433685	-41.57	-13
2	0.15	30	10	0.15522375	-52.61	-13
3	30	1000	100	878.09525	-51.77	-13
4	1000	20000	1000	19377.75	-35.97	-13

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



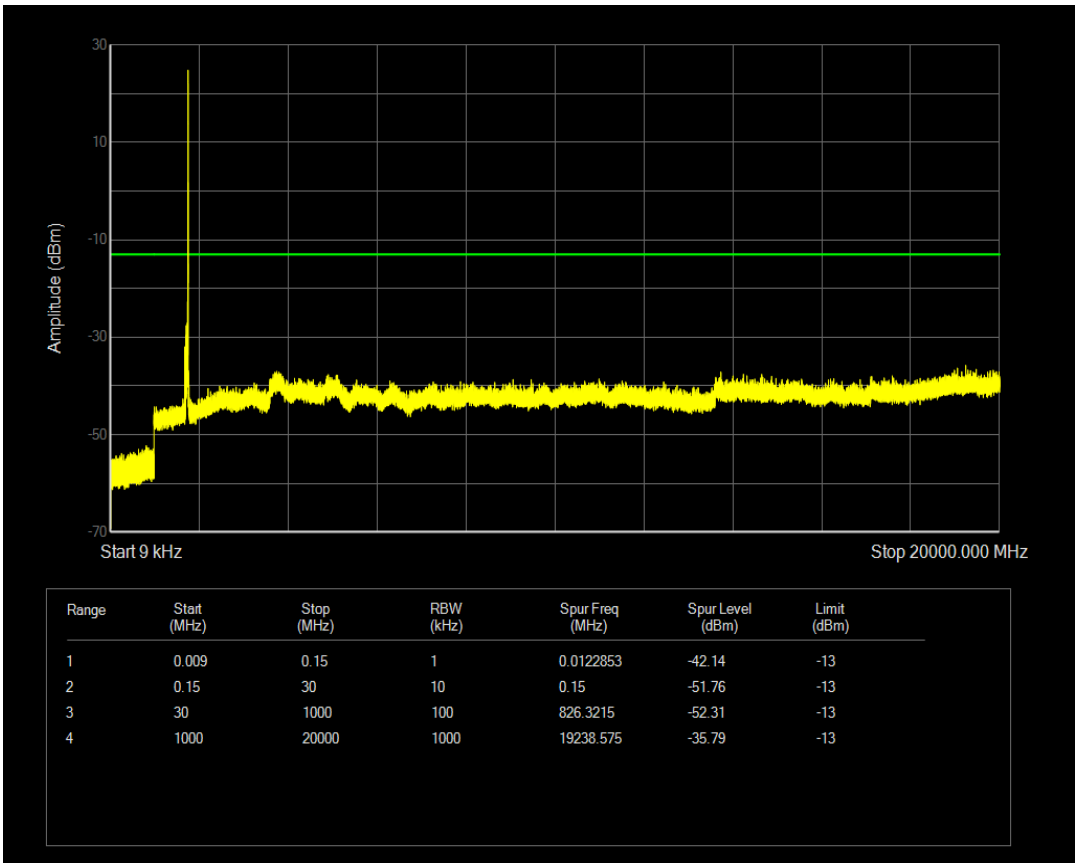
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012126675	-42.24	-13
2	0.15	30	10	0.15970125	-52.47	-13
3	30	1000	100	817.0095	-52	-13
4	1000	20000	1000	19403.875	-36.6	-13

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



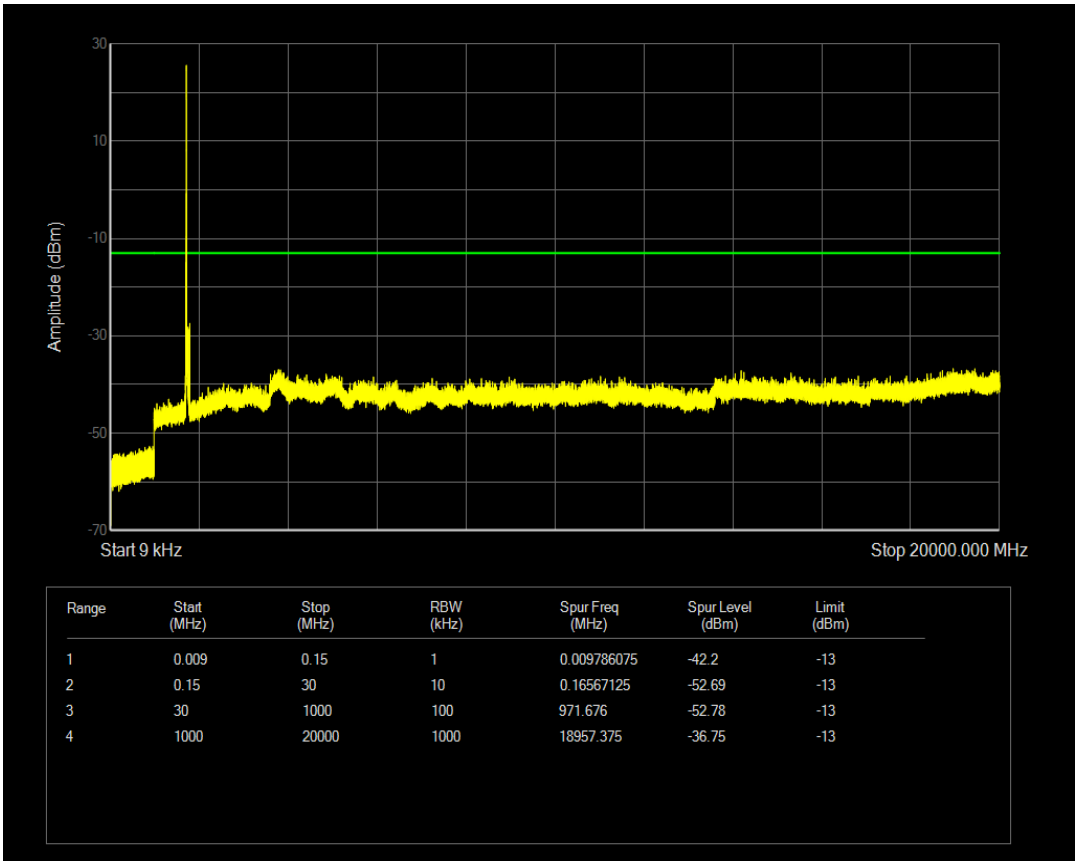
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009045825	-42.05	-13
2	0.15	30	10	0.15671625	-53.45	-13
3	30	1000	100	669.25425	-52.82	-13
4	1000	20000	1000	3764.5	-36.08	-13

n66 SCS=15kHz DFT_QPSK BW=40MHz Channel=349000 RB=1@215



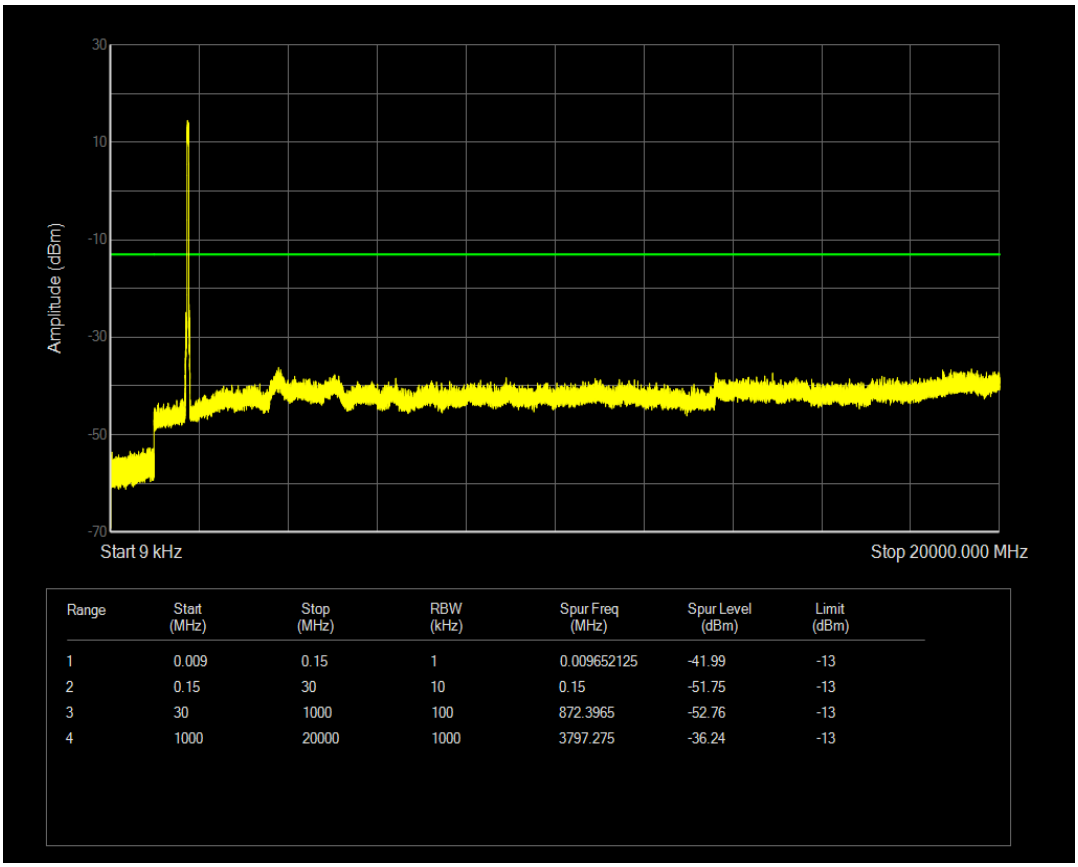
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0122853	-42.14	-13
2	0.15	30	10	0.15	-51.76	-13
3	30	1000	100	826.3215	-52.31	-13
4	1000	20000	1000	19238.575	-35.79	-13

n66 SCS=15kHz DFT_QPSK BW=40MHz Channel=349000 RB=1@0



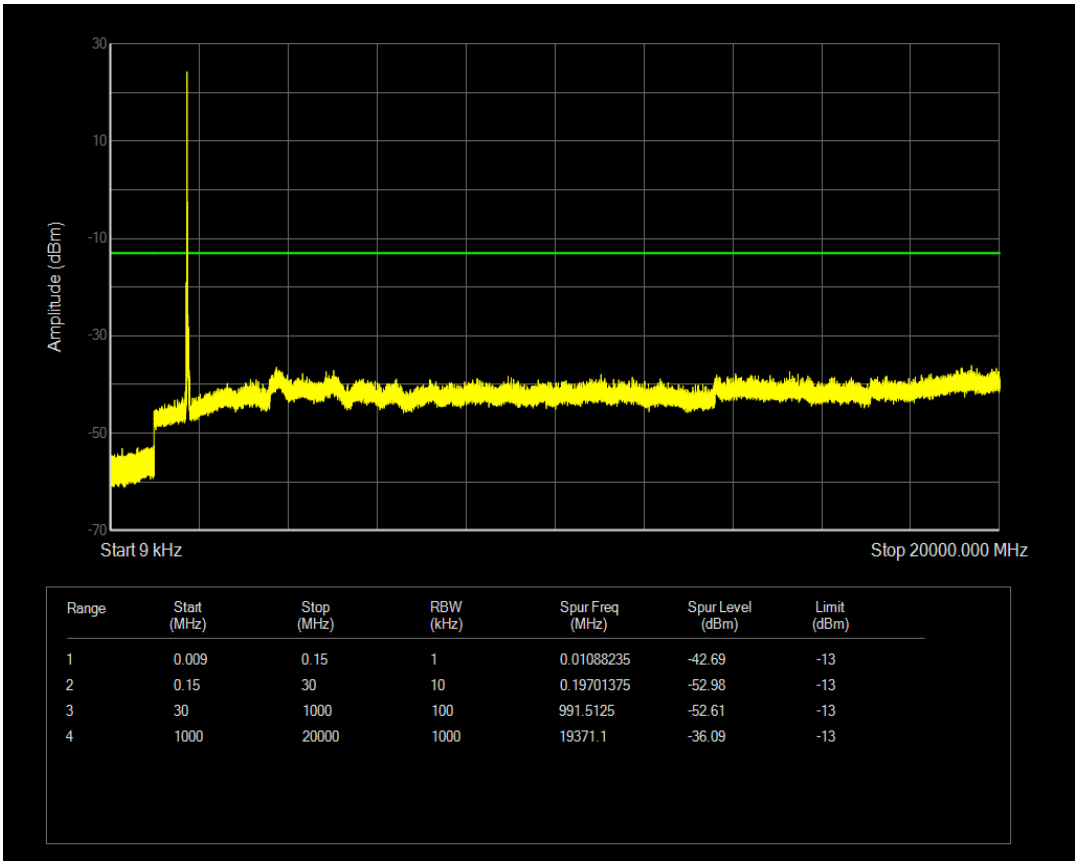
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009786075	-42.2	-13
2	0.15	30	10	0.16567125	-52.69	-13
3	30	1000	100	971.676	-52.78	-13
4	1000	20000	1000	18957.375	-36.75	-13

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



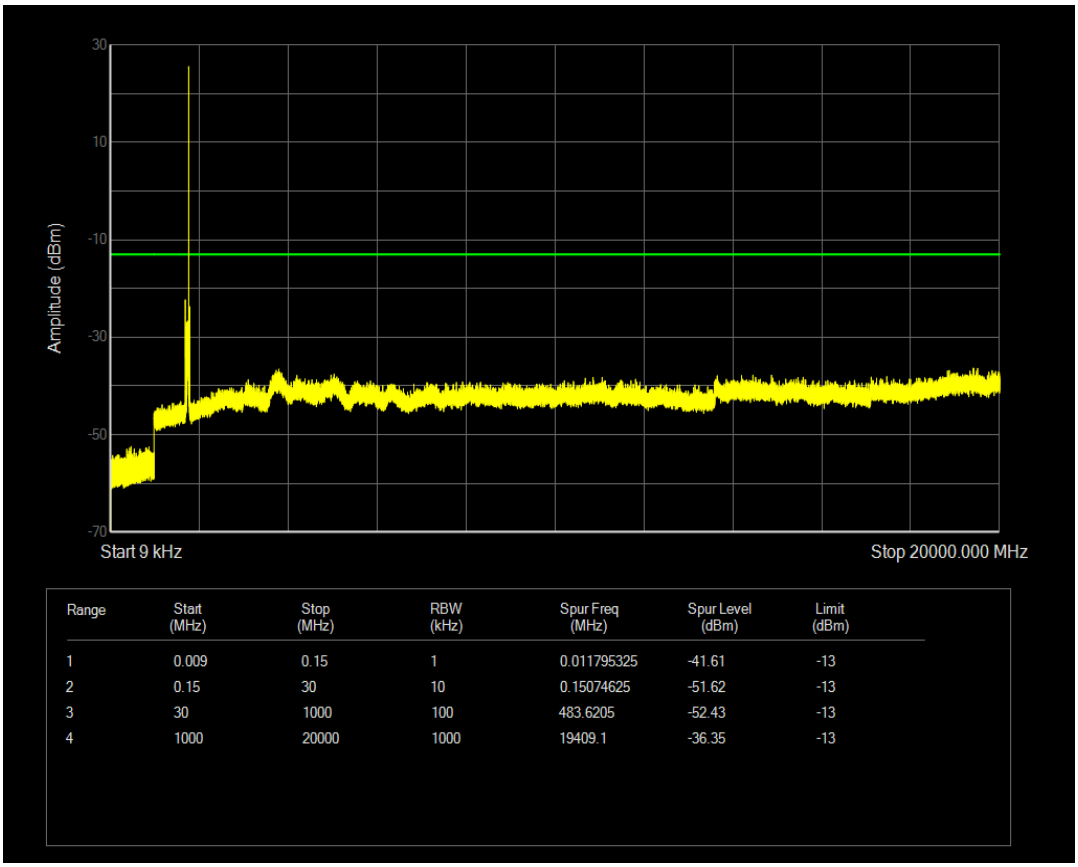
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009652125	-41.99	-13
2	0.15	30	10	0.15	-51.75	-13
3	30	1000	100	872.3965	-52.76	-13
4	1000	20000	1000	3797.275	-36.24	-13

n66 SCS=15kHz DFT_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	0.01088235	-42.69	-13
2	0.15	30	10	0.19701375	-52.98	-13
3	30	1000	100	991.5125	-52.61	-13
4	1000	20000	1000	19371.1	-36.09	-13

n66 SCS=15kHz DFT_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	0.011795325	-41.61	-13
2	0.15	30	10	0.15074625	-51.62	-13
3	30	1000	100	483.6205	-52.43	-13
4	1000	20000	1000	19409.1	-36.35	-13