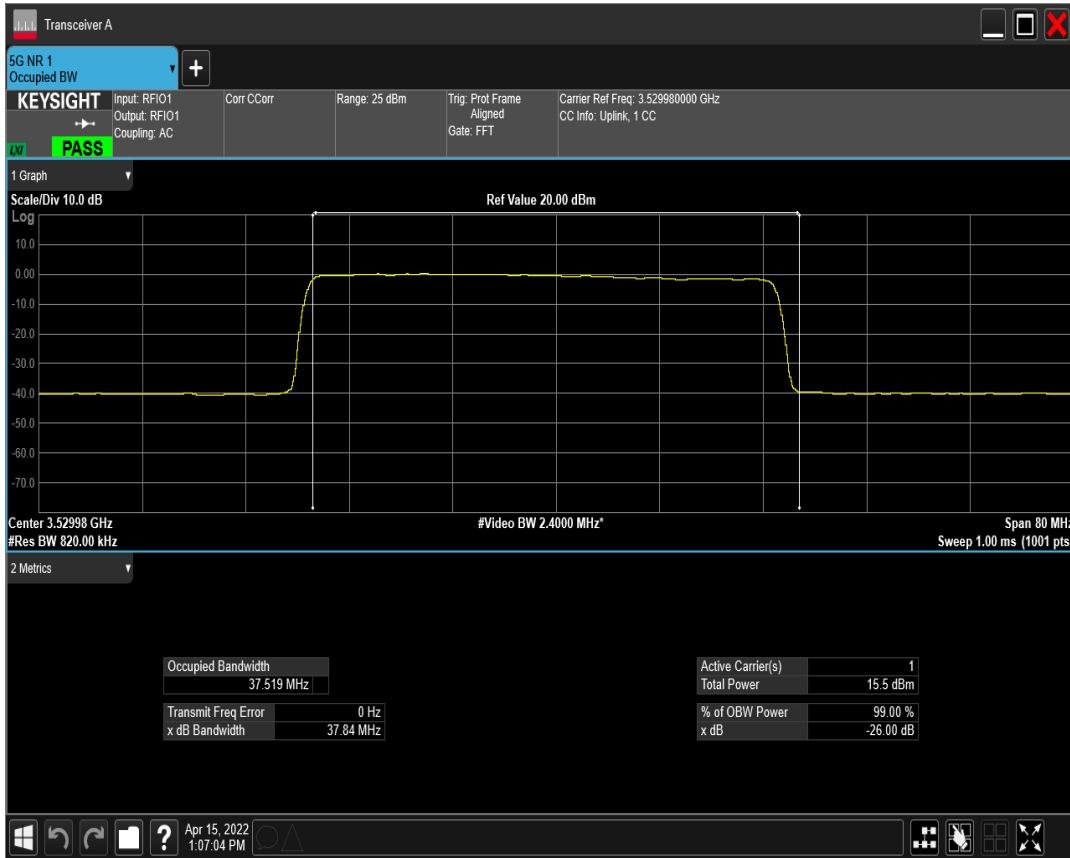




n78(3450-3550) SCS=30kHz DFT\_QPSK BW=40MHz Channel=635332 RB=100@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=40MHz Channel=635332 RB=100@0



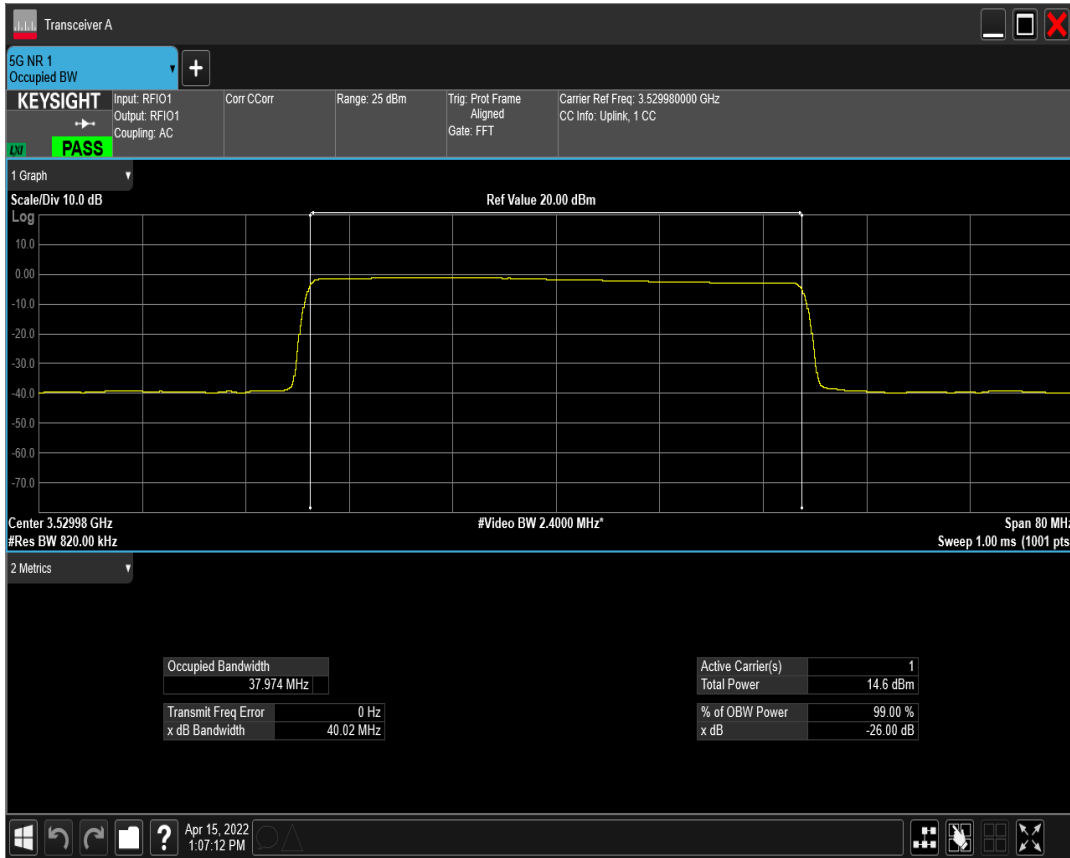
n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=40MHz Channel=635332 RB=100@0



n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=40MHz Channel=635332 RB=100@0



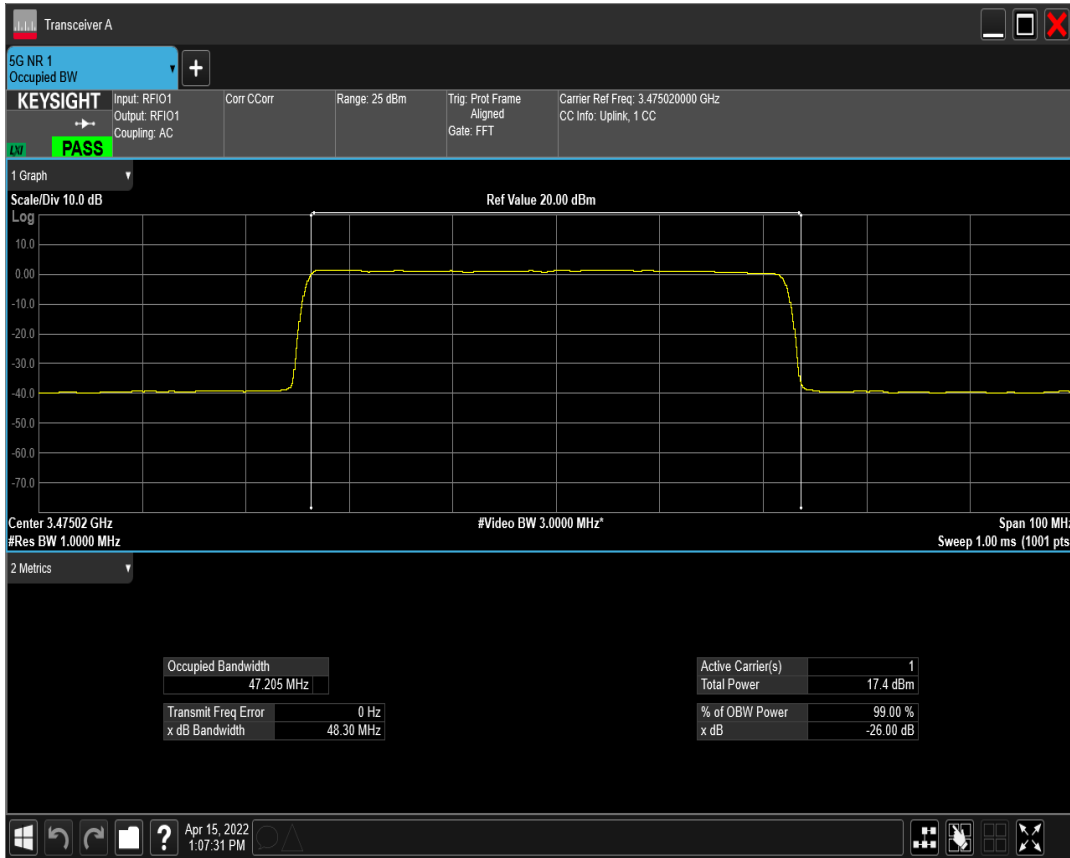
n78(3450-3550) SCS=30kHz CP\_QPSK BW=40MHz Channel=635332 RB=106@0



n78(3450-3550) SCS=30kHz DFT\_BPSK BW=50MHz Channel=631668 RB=128@0

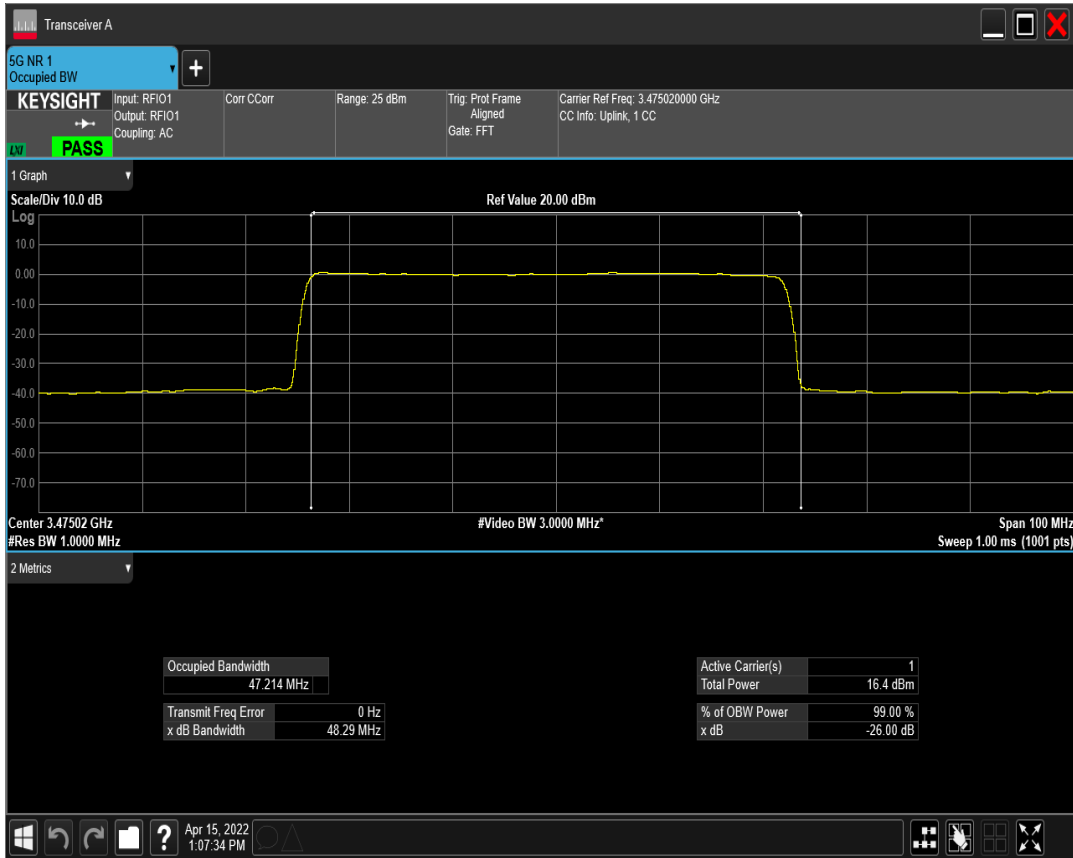


n78(3450-3550) SCS=30kHz DFT\_QPSK BW=50MHz Channel=631668 RB=128@0

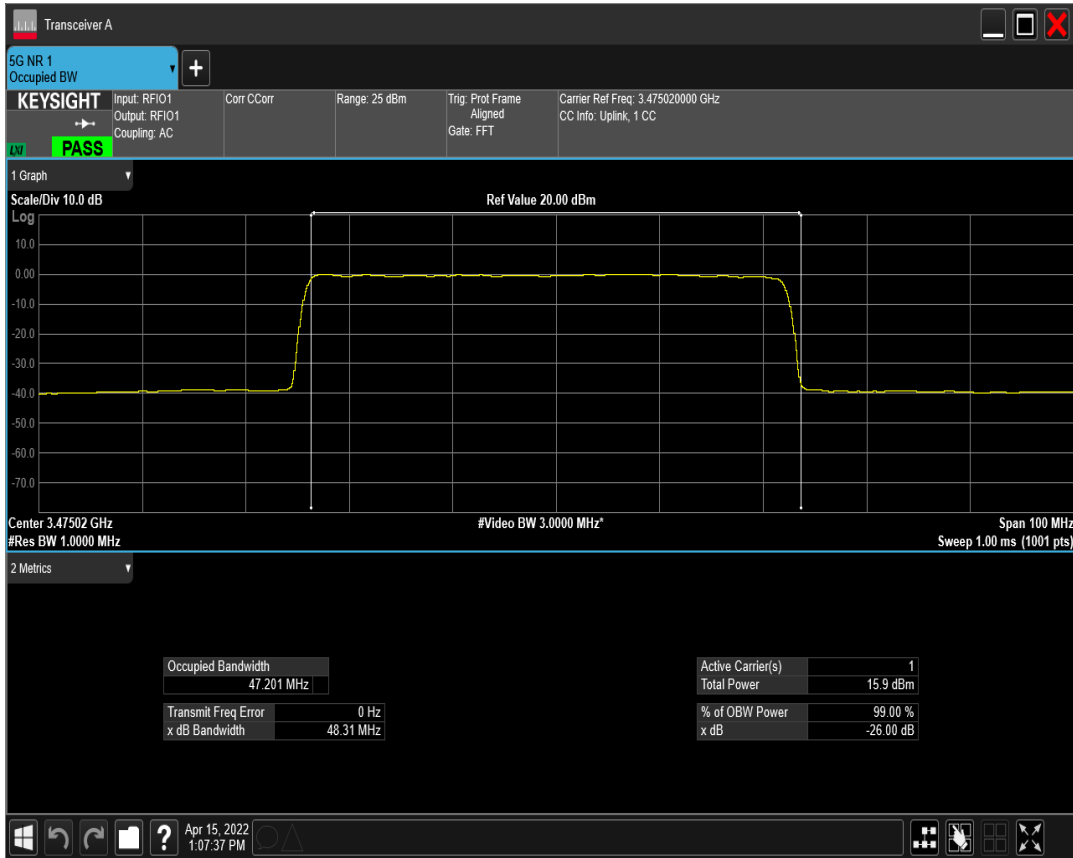


n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=50MHz Channel=631668 RB=128@0

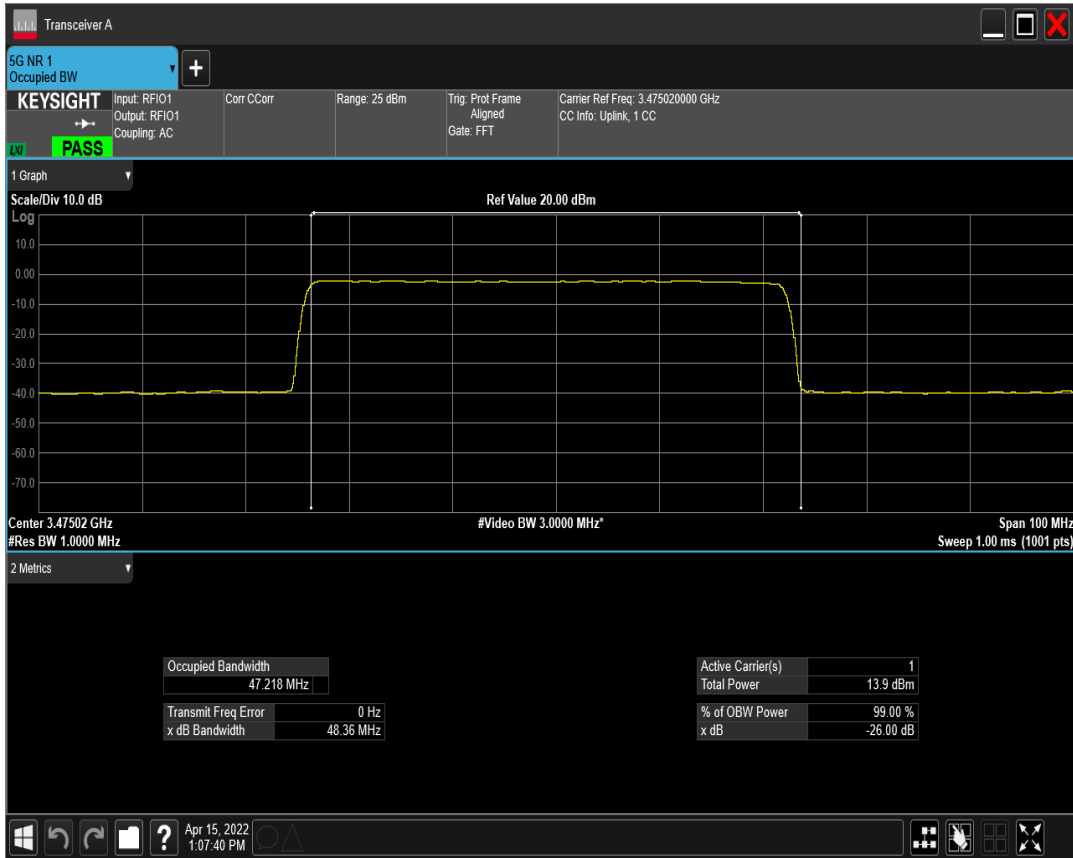




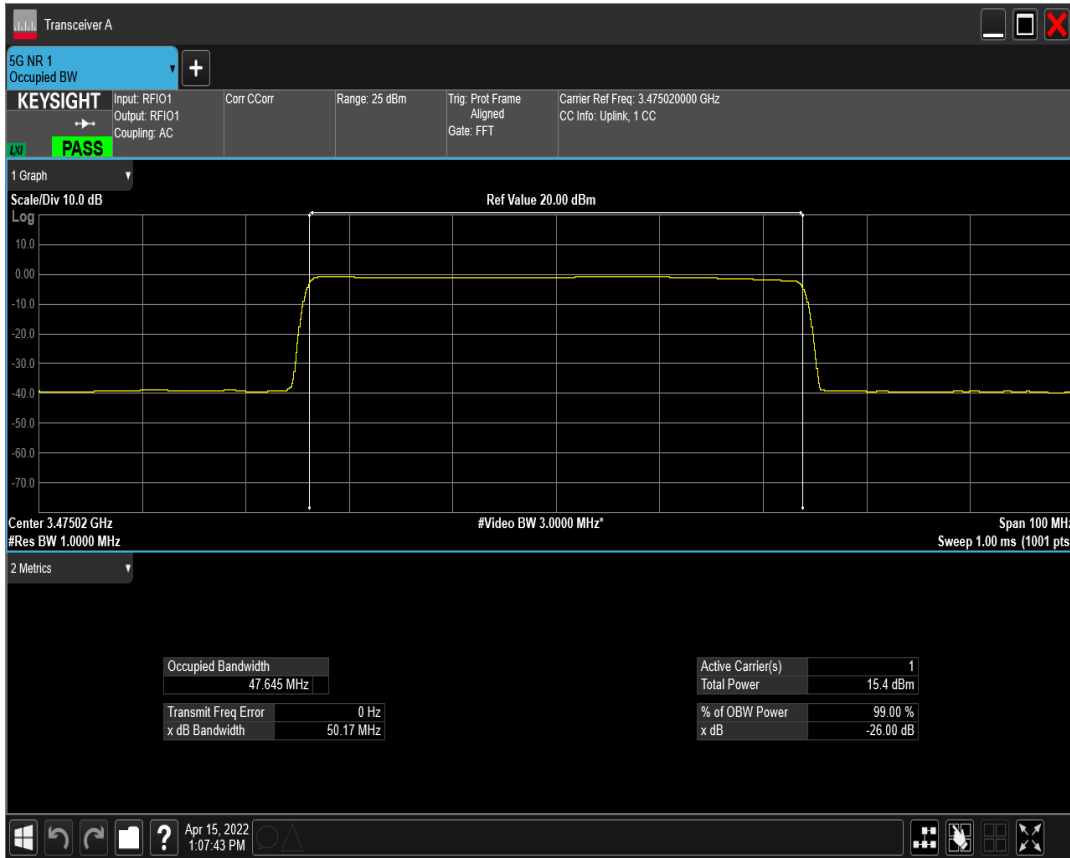
n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=50MHz Channel=631668 RB=128@0



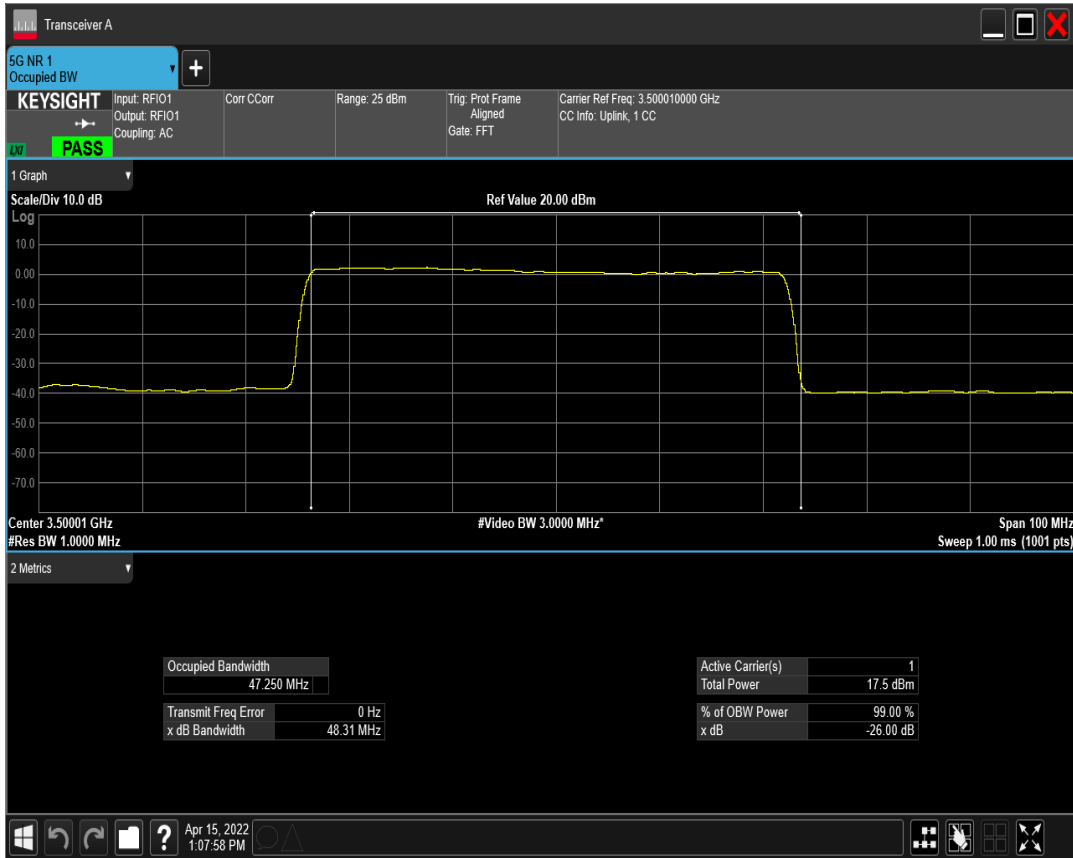
n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=50MHz Channel=631668 RB=128@0



n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=631668 RB=133@0



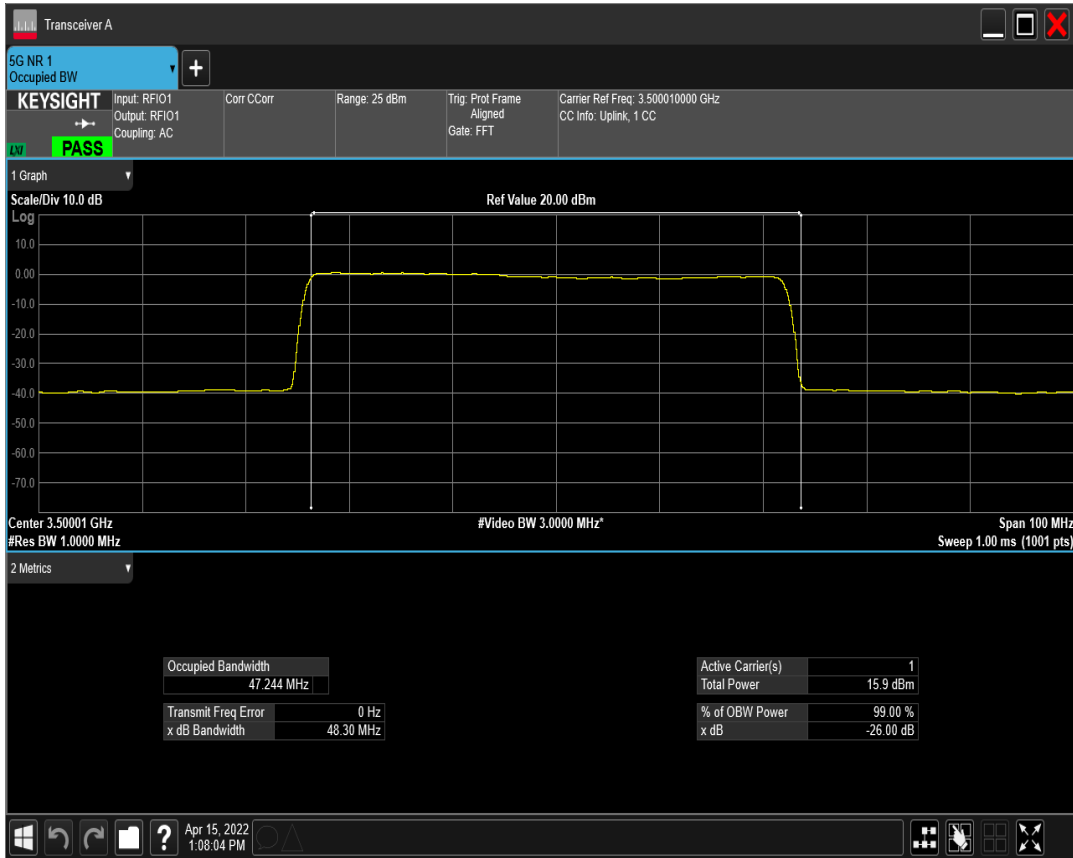
n78(3450-3550) SCS=30kHz DFT\_BPSK BW=50MHz Channel=633334 RB=128@0



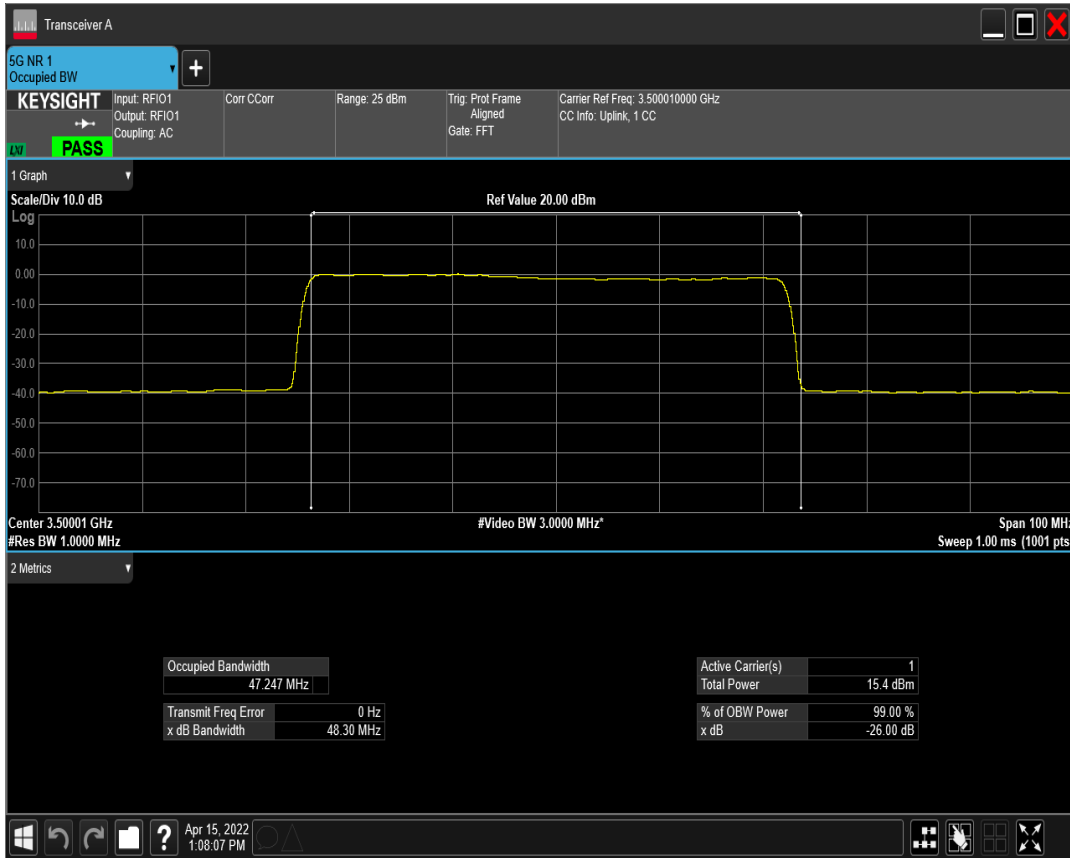
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=50MHz Channel=633334 RB=128@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=50MHz Channel=633334 RB=128@0

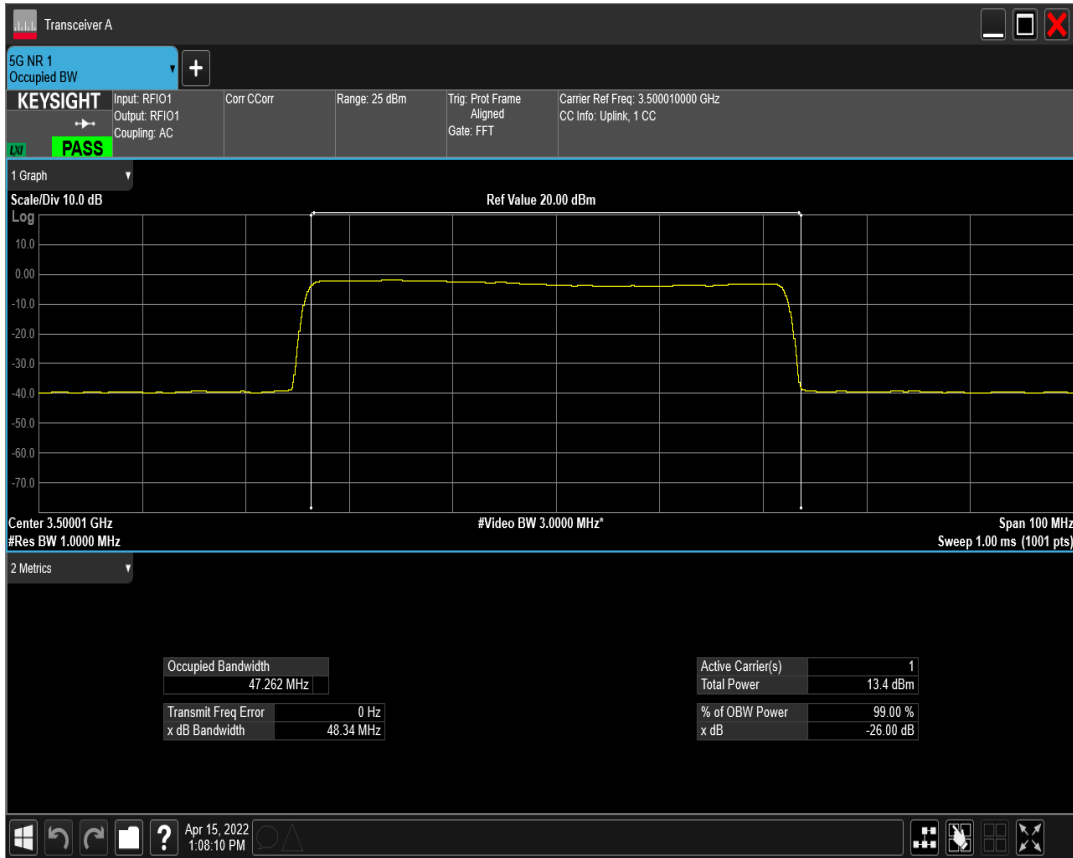


n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=50MHz Channel=633334 RB=128@0

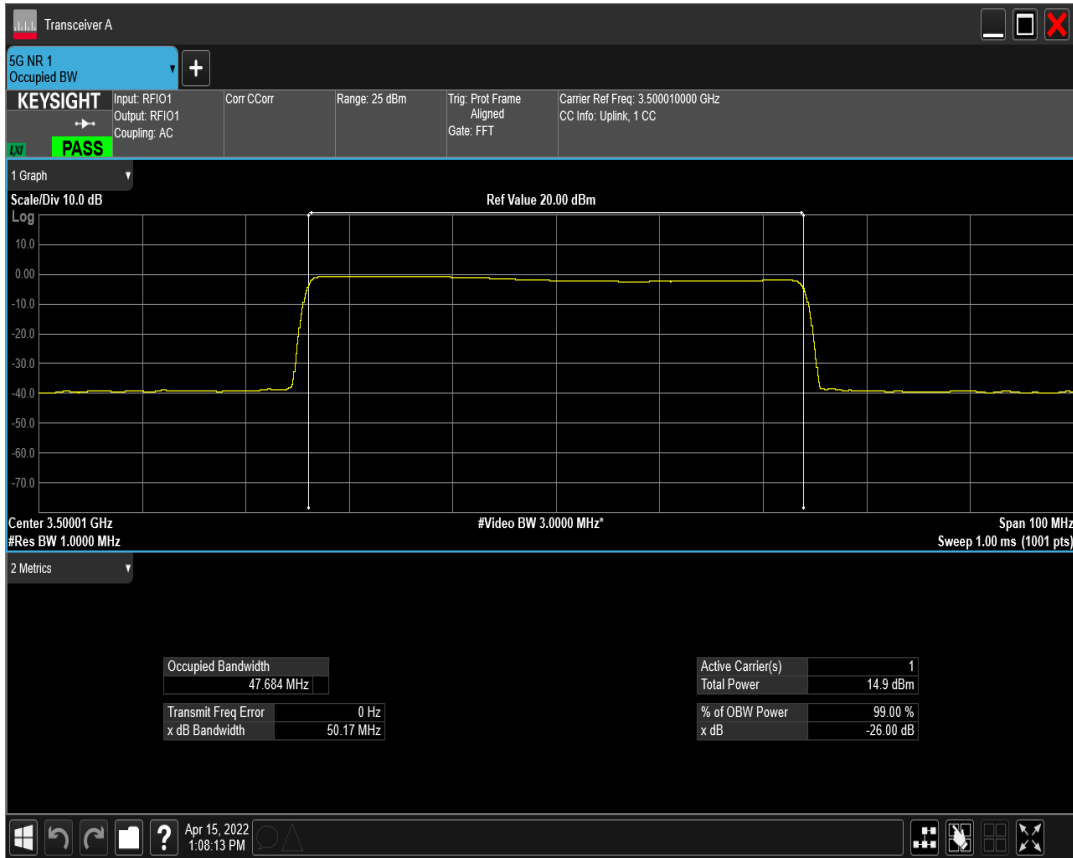


n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=50MHz Channel=633334 RB=128@0

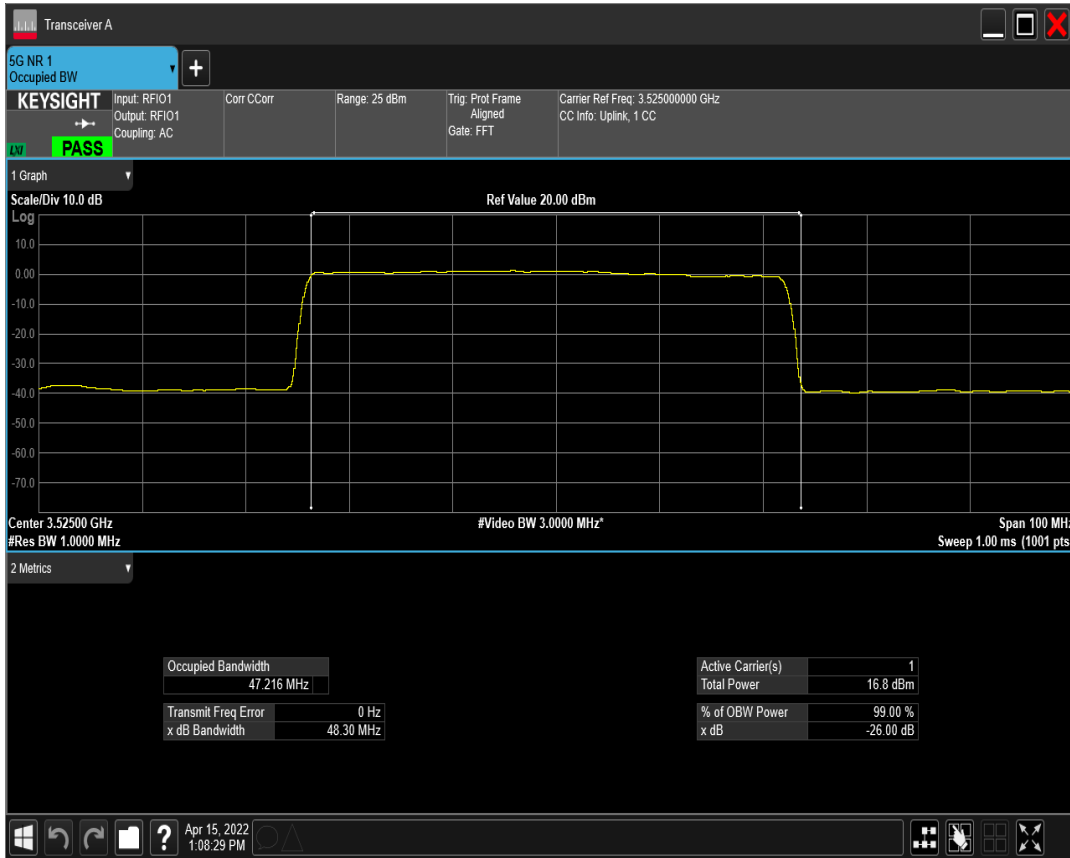




n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=633334 RB=133@0



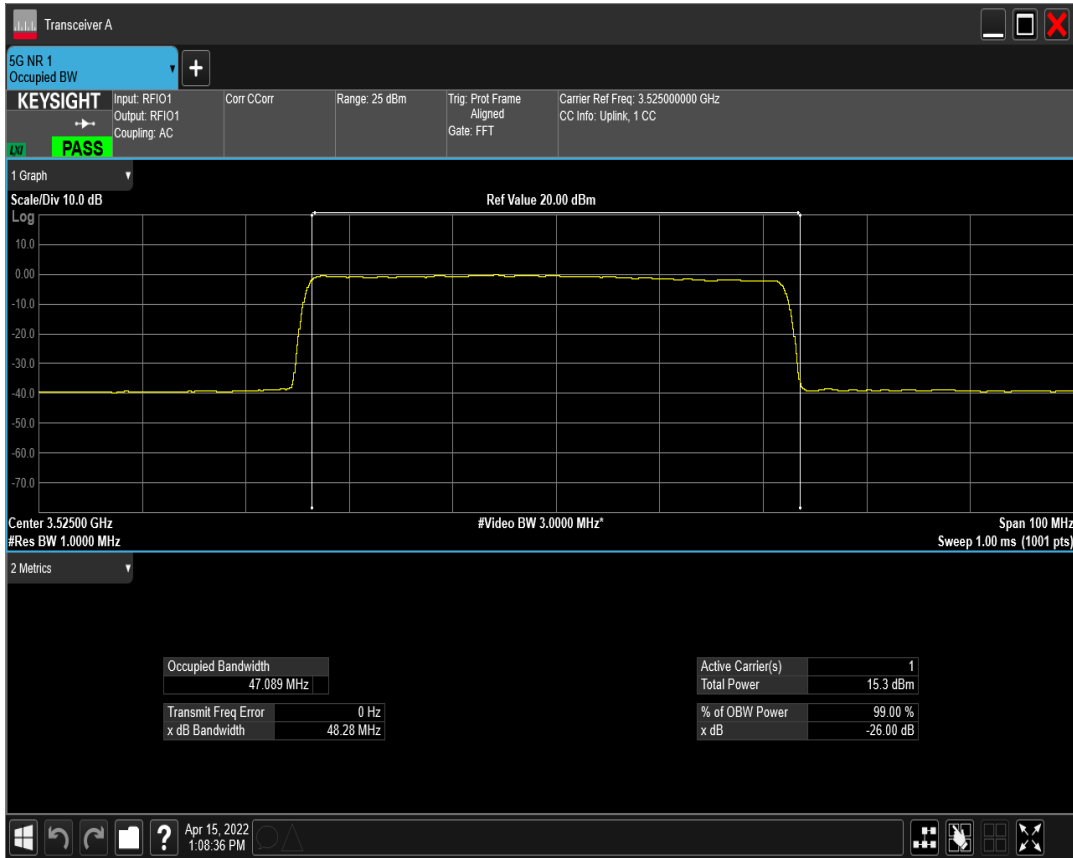
n78(3450-3550) SCS=30kHz DFT\_BPSK BW=50MHz Channel=635000 RB=128@0



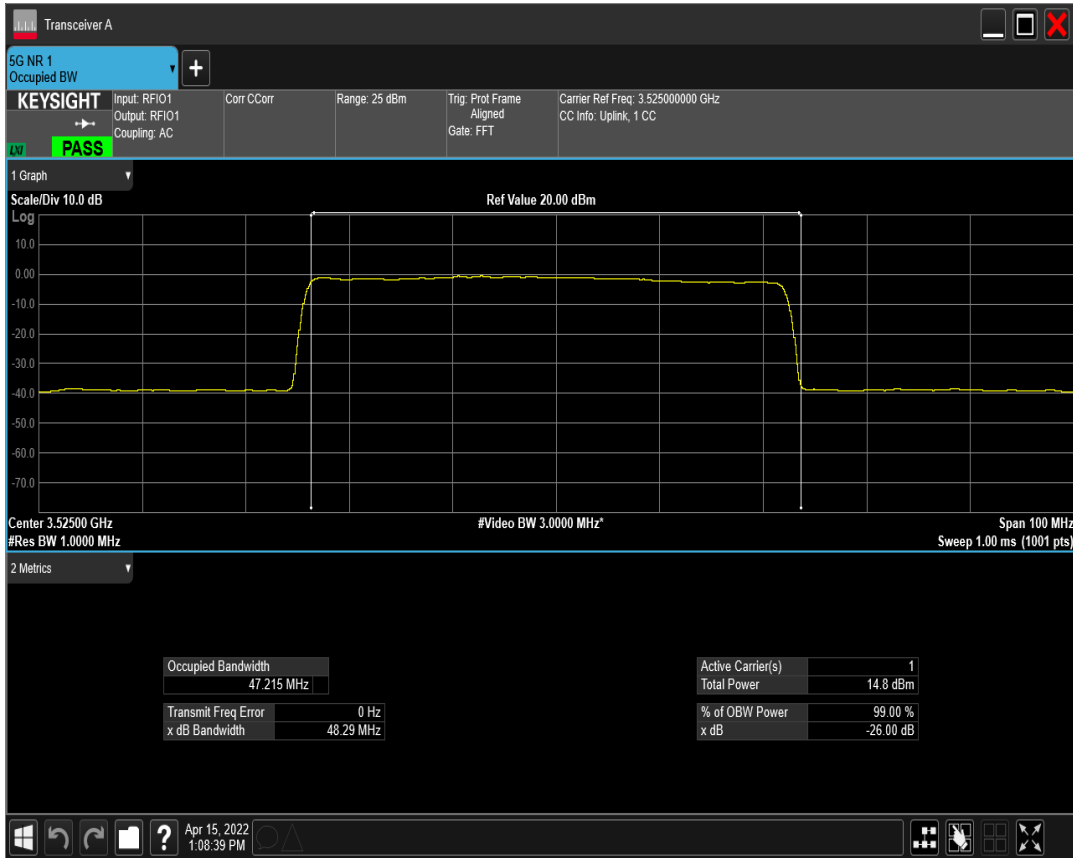
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=50MHz Channel=635000 RB=128@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=50MHz Channel=635000 RB=128@0



n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=50MHz Channel=635000 RB=128@0



n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=50MHz Channel=635000 RB=128@0



n78(3450-3550) SCS=30kHz CP\_QPSK BW=50MHz Channel=635000 RB=133@0

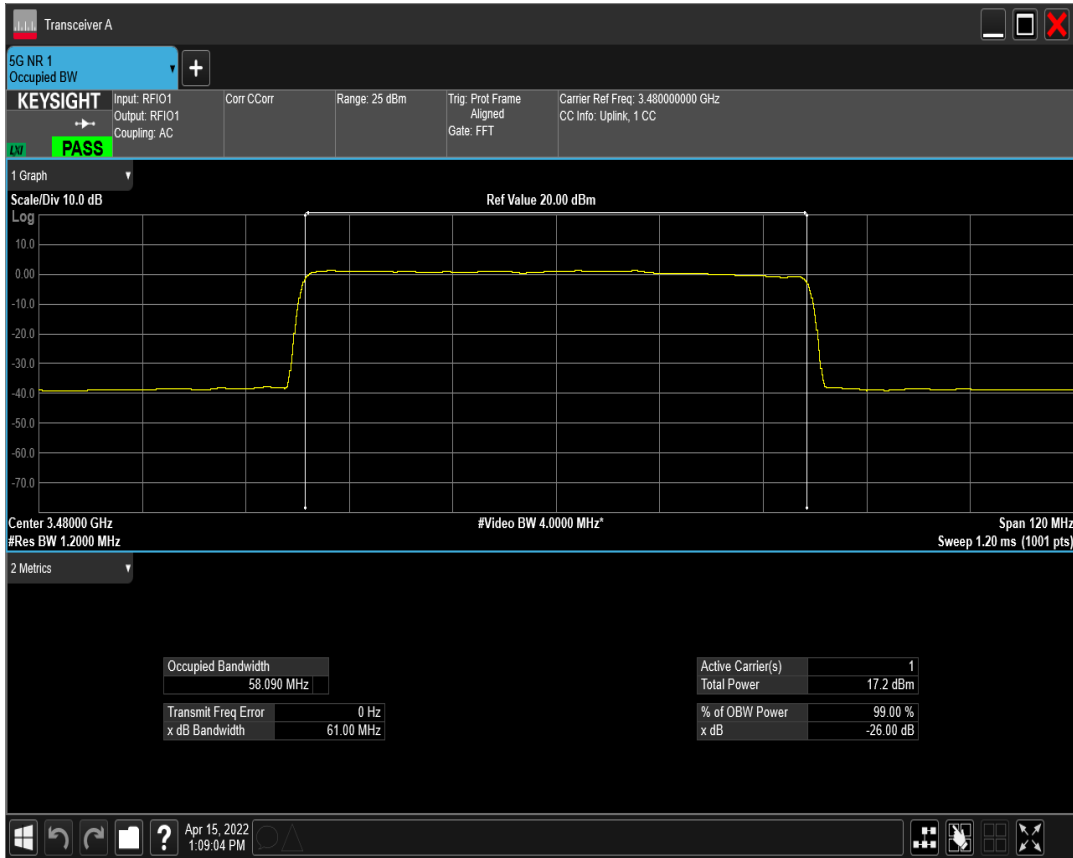


n78(3450-3550) SCS=30kHz DFT\_BPSK BW=60MHz Channel=632000 RB=162@0

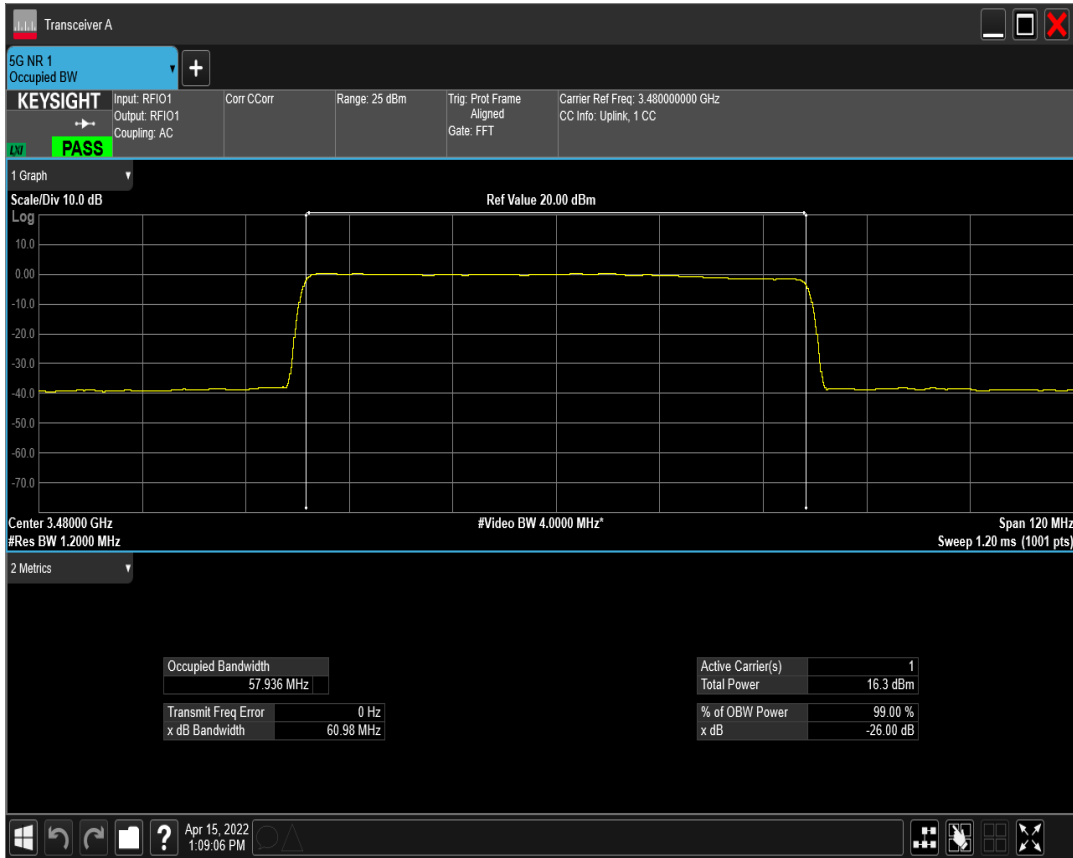




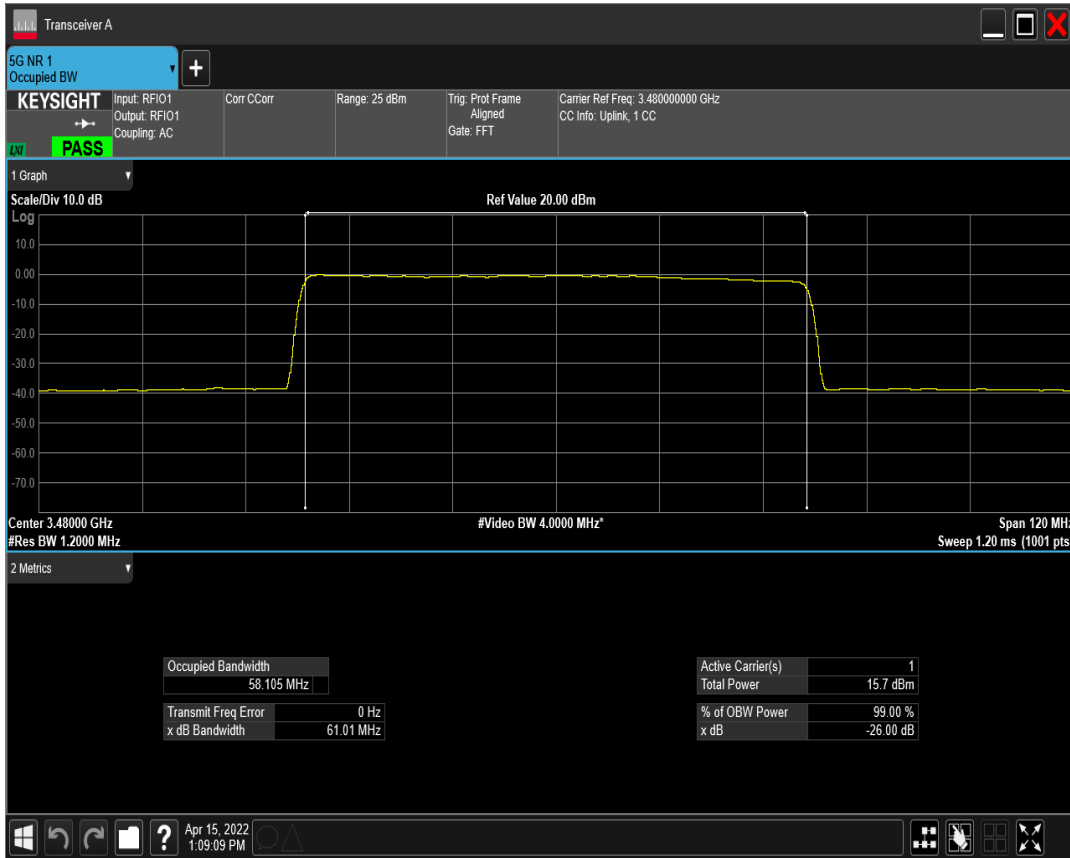
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=60MHz Channel=632000 RB=162@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=60MHz Channel=632000 RB=162@0



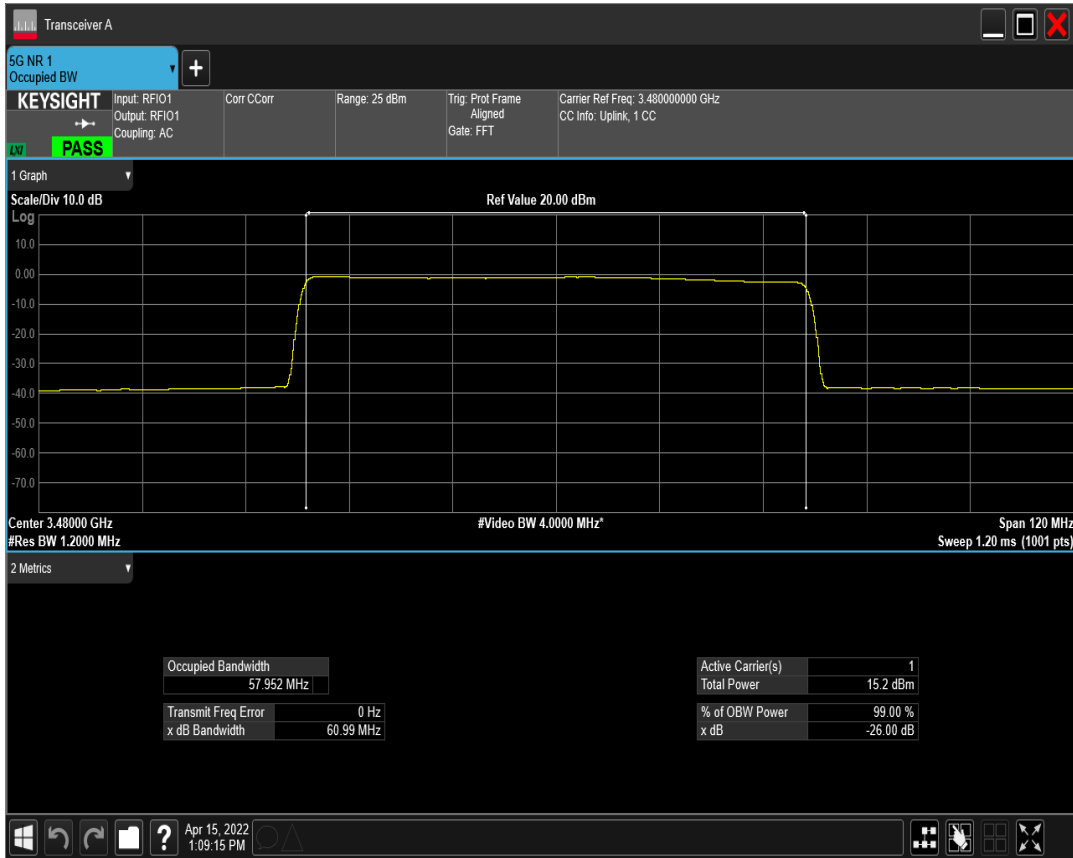
n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=60MHz Channel=632000 RB=162@0



n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=60MHz Channel=632000 RB=162@0



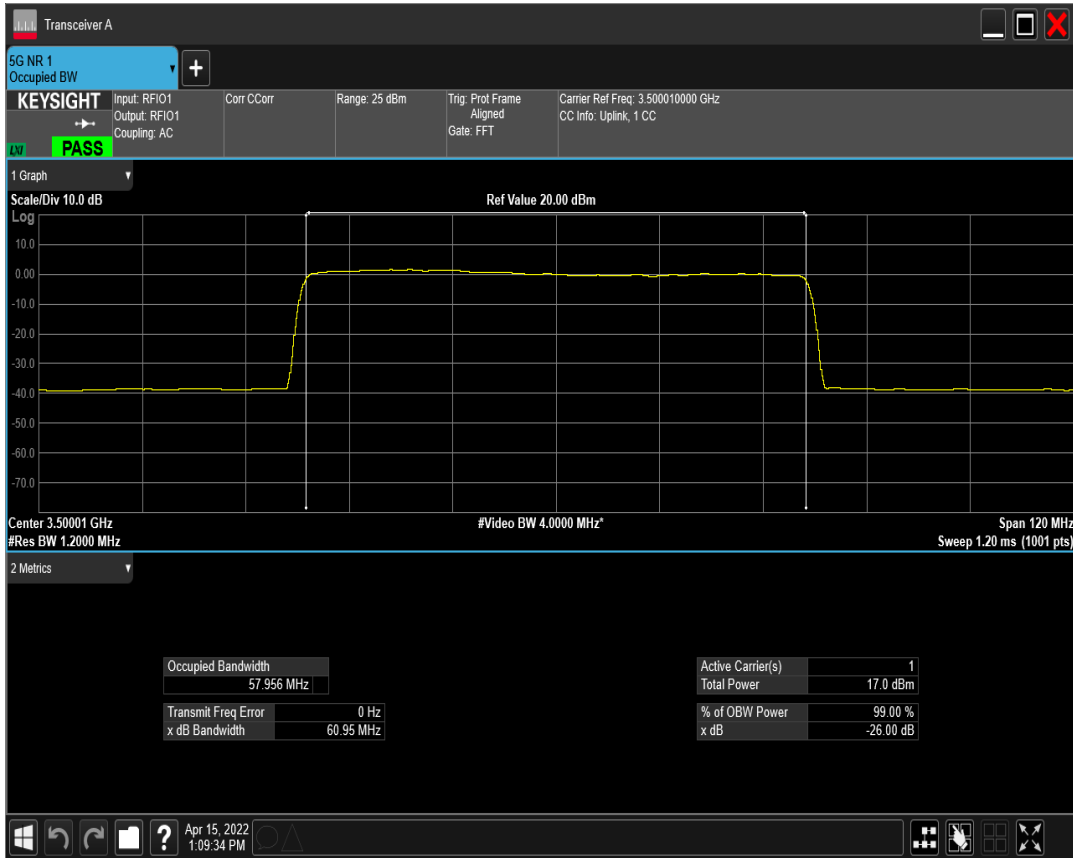
n78(3450-3550) SCS=30kHz CP\_QPSK BW=60MHz Channel=632000 RB=162@0



n78(3450-3550) SCS=30kHz DFT\_BPSK BW=60MHz Channel=633334 RB=162@0

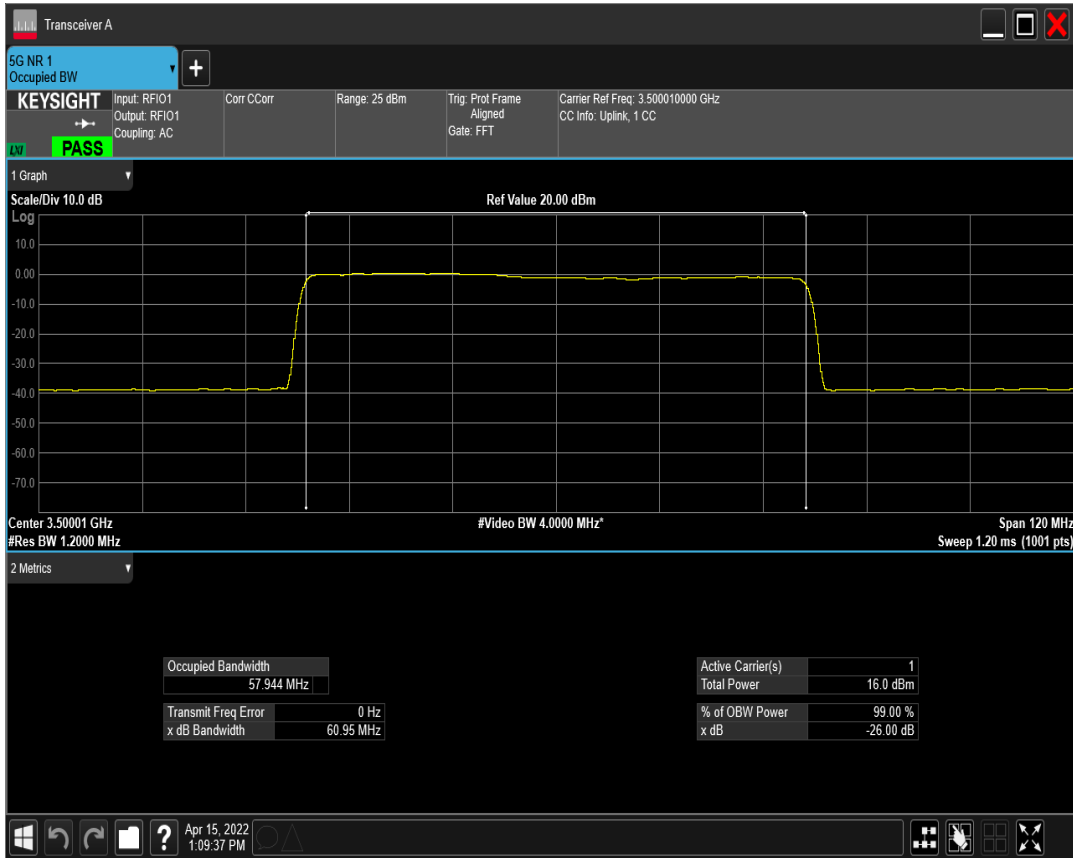


n78(3450-3550) SCS=30kHz DFT\_QPSK BW=60MHz Channel=633334 RB=162@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=60MHz Channel=633334 RB=162@0

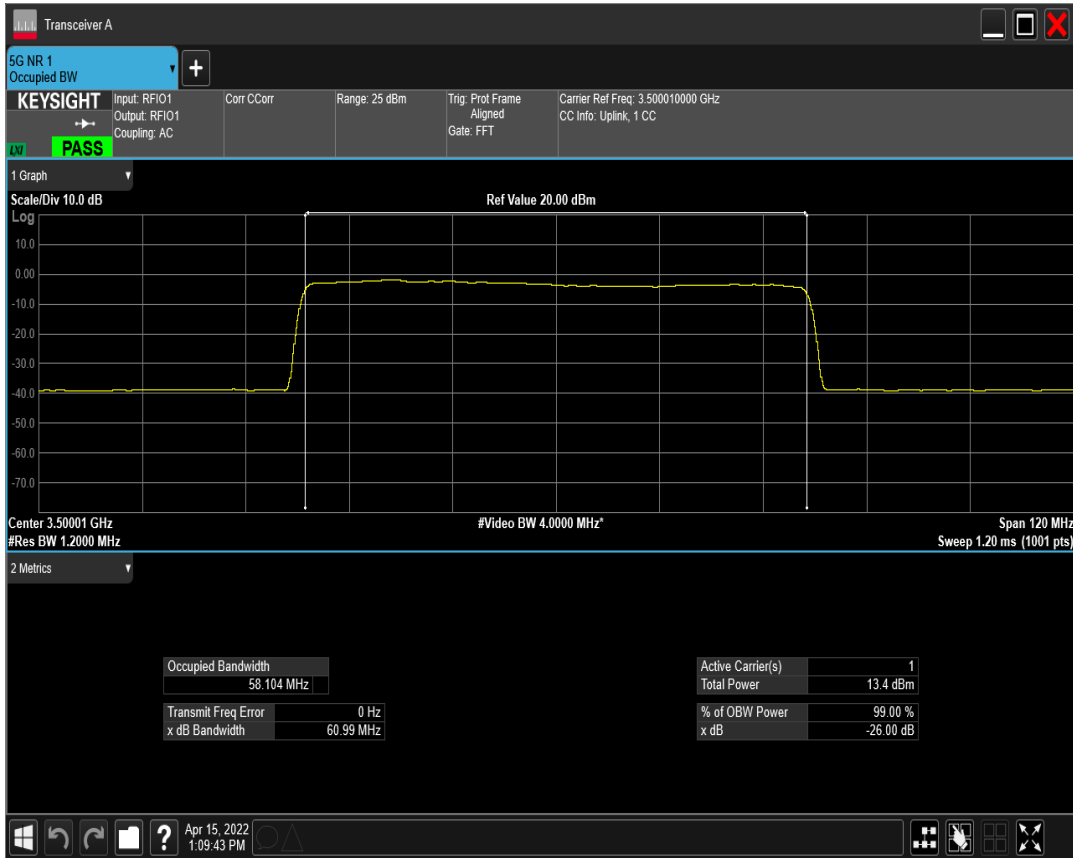




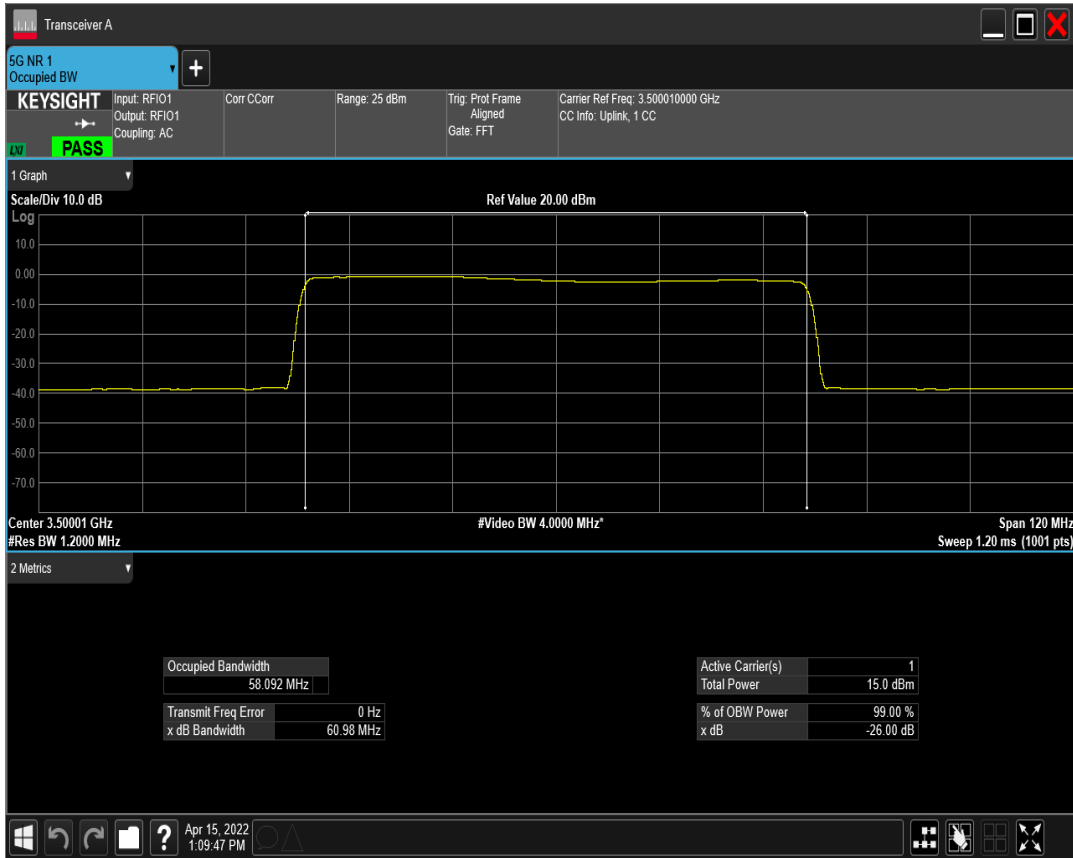
n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=60MHz Channel=633334 RB=162@0



n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=60MHz Channel=633334 RB=162@0



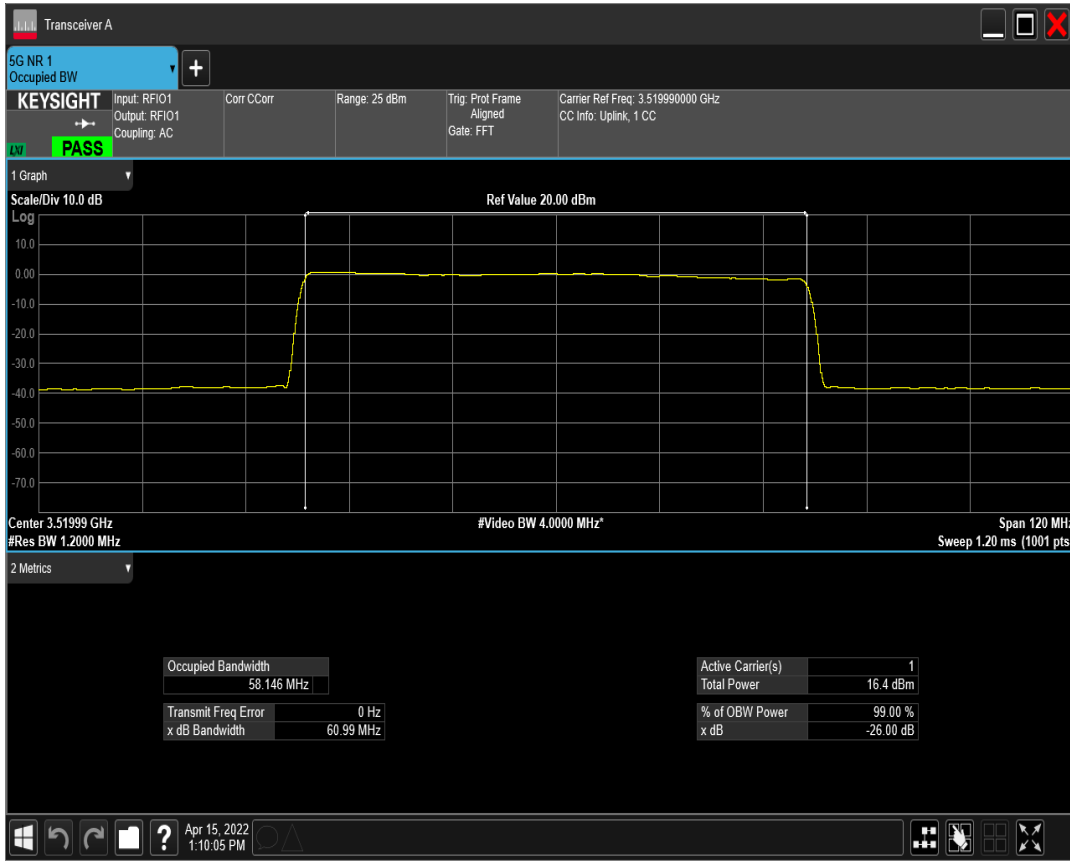
n78(3450-3550) SCS=30kHz CP\_QPSK BW=60MHz Channel=633334 RB=162@0



n78(3450-3550) SCS=30kHz DFT\_BPSK BW=60MHz Channel=634666 RB=162@0



n78(3450-3550) SCS=30kHz DFT\_QPSK BW=60MHz Channel=634666 RB=162@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=60MHz Channel=634666 RB=162@0

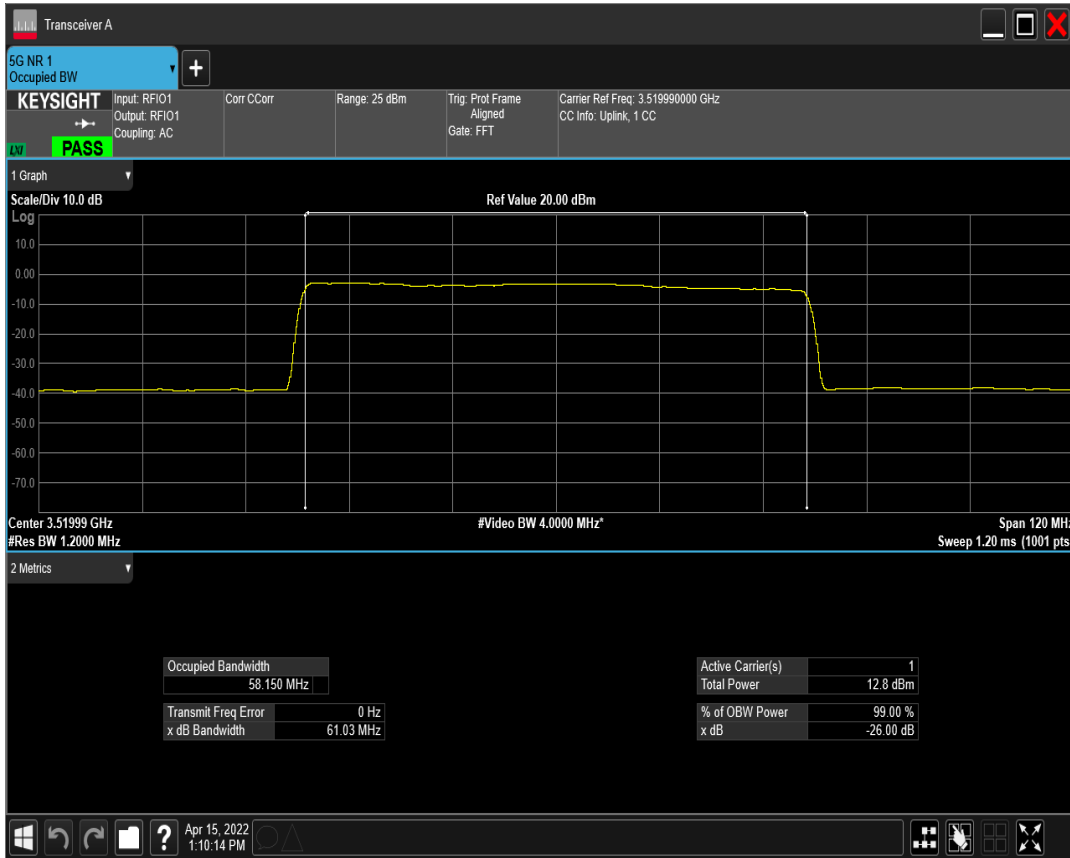


n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=60MHz Channel=634666 RB=162@0



n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=60MHz Channel=634666 RB=162@0





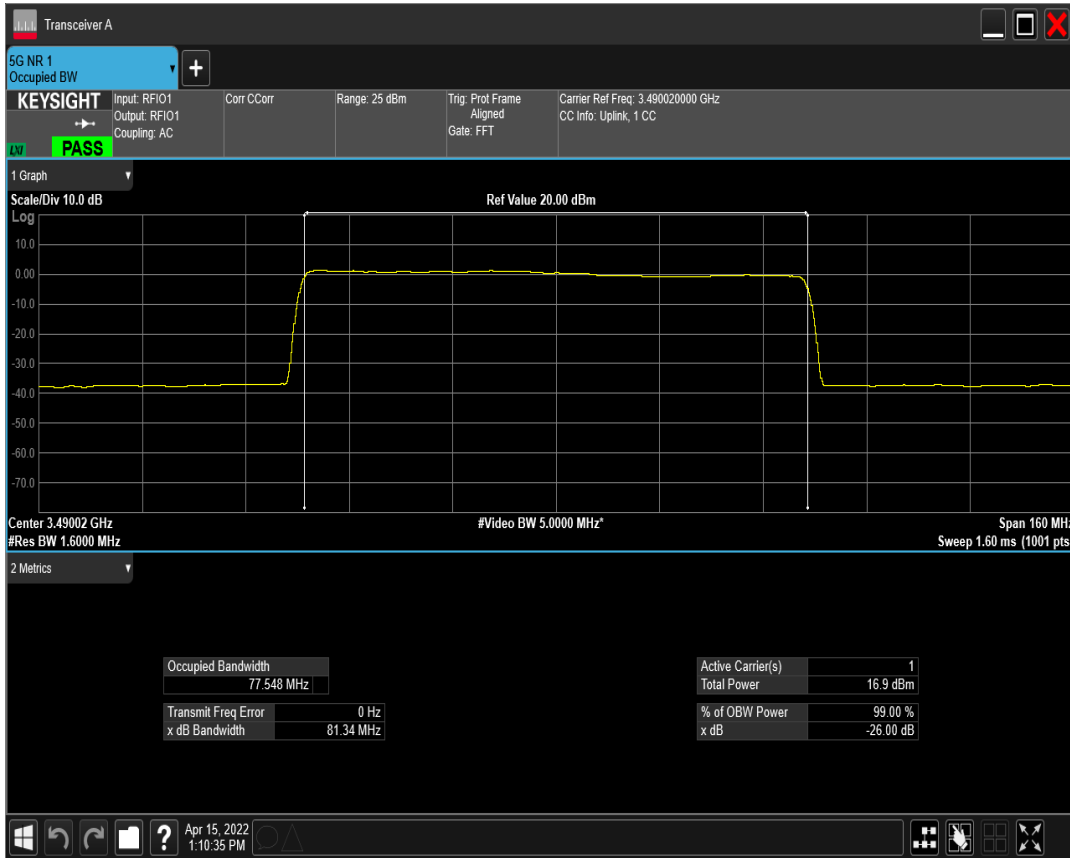
n78(3450-3550) SCS=30kHz CP\_QPSK BW=60MHz Channel=634666 RB=162@0



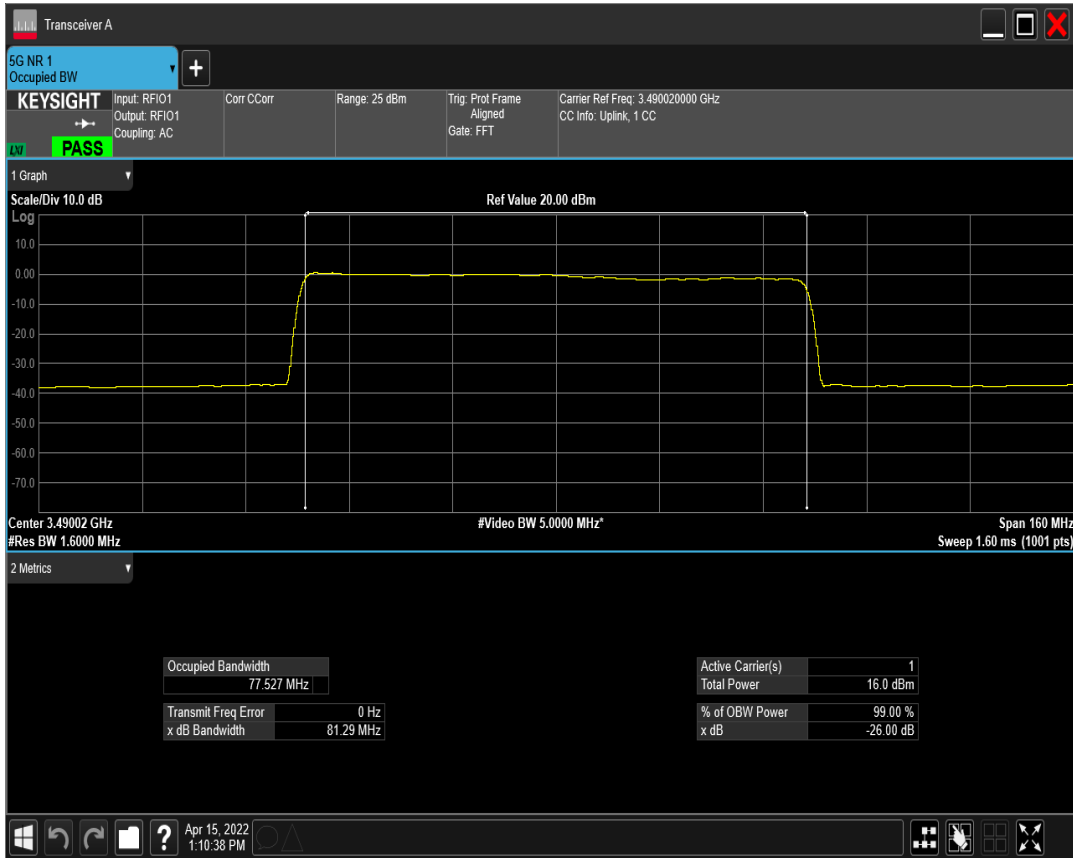
n78(3450-3550) SCS=30kHz DFT\_BPSK BW=80MHz Channel=632668 RB=216@0



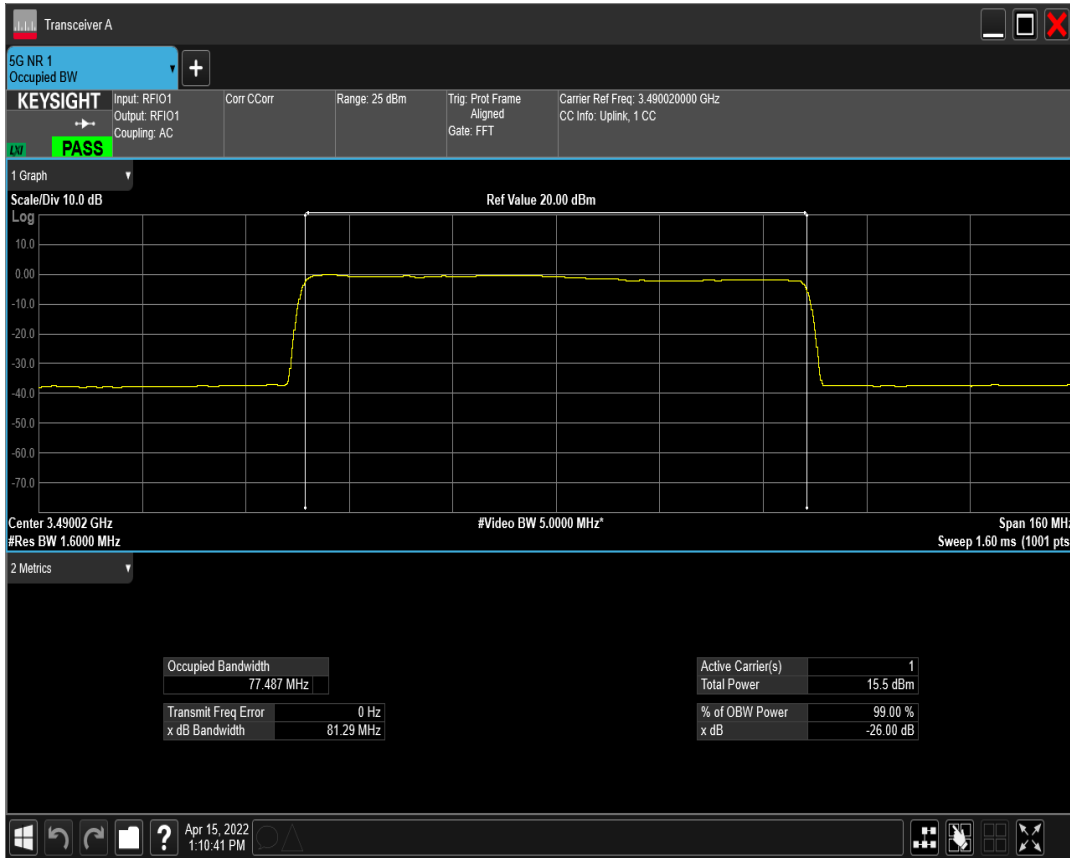
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=80MHz Channel=632668 RB=216@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=80MHz Channel=632668 RB=216@0



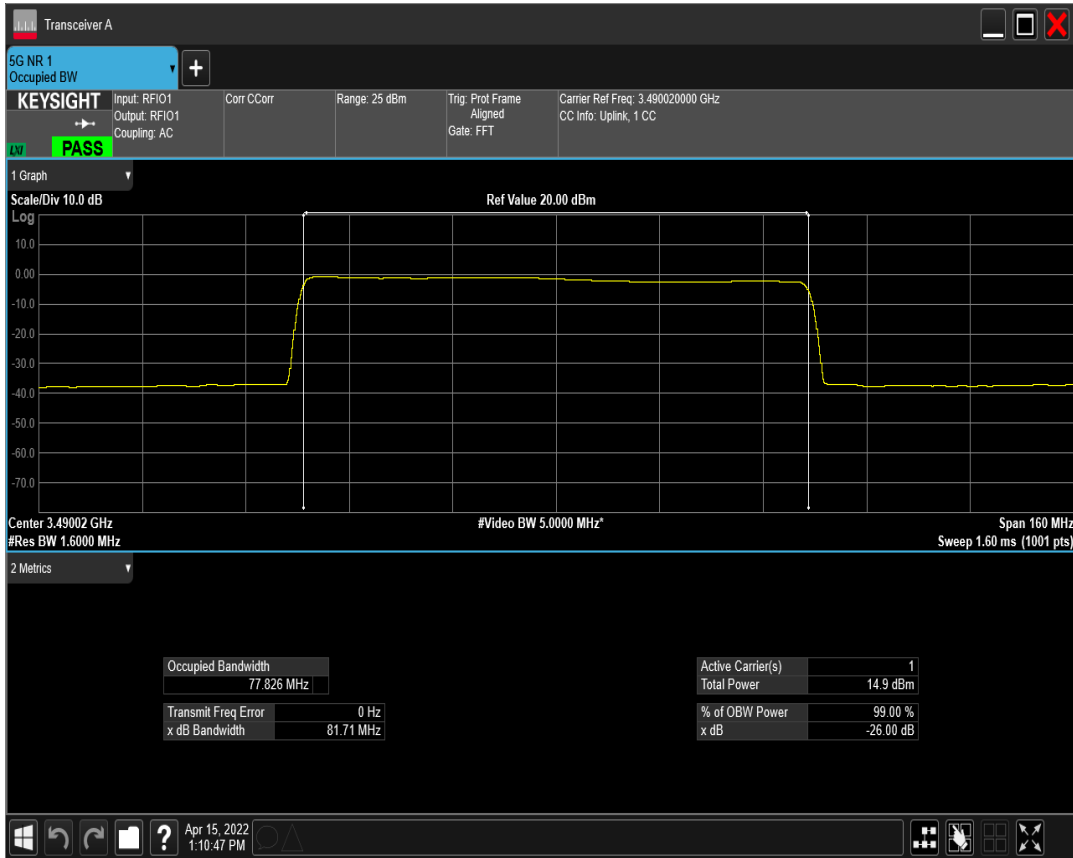
n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=80MHz Channel=632668 RB=216@0



n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=80MHz Channel=632668 RB=216@0



n78(3450-3550) SCS=30kHz CP\_QPSK BW=80MHz Channel=632668 RB=217@0

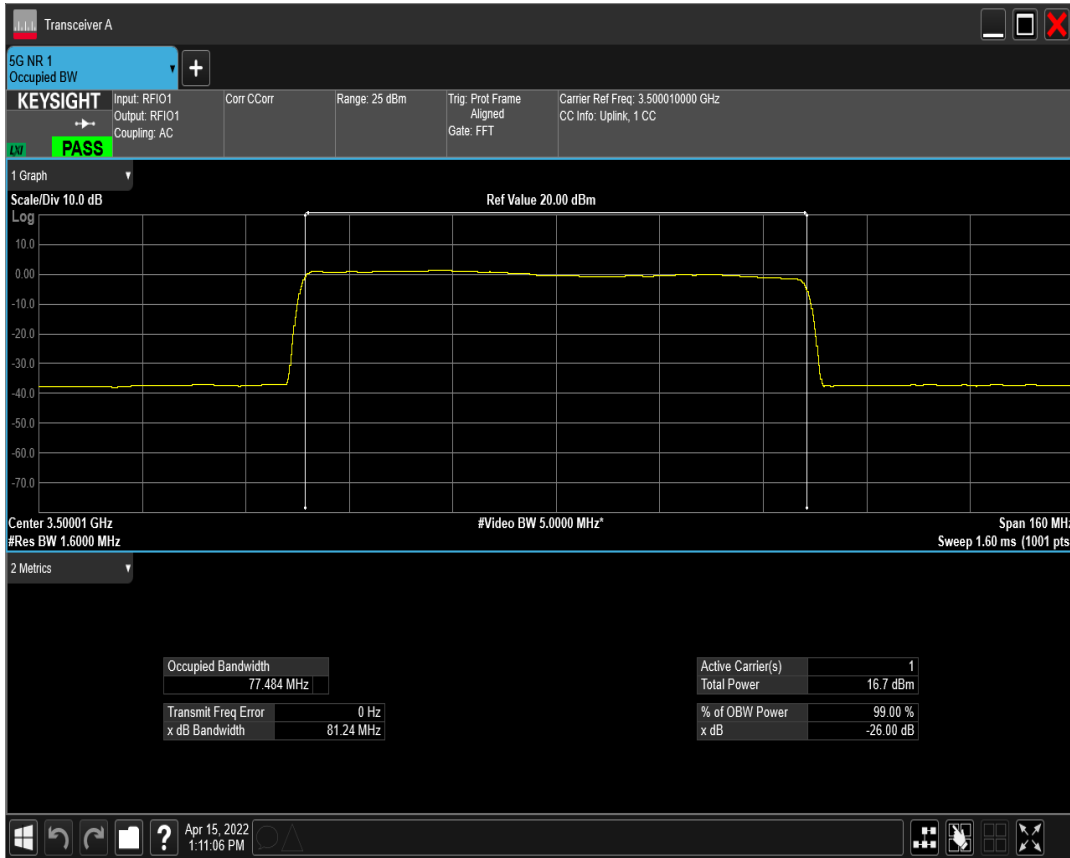


n78(3450-3550) SCS=30kHz DFT\_BPSK BW=80MHz Channel=633334 RB=216@0

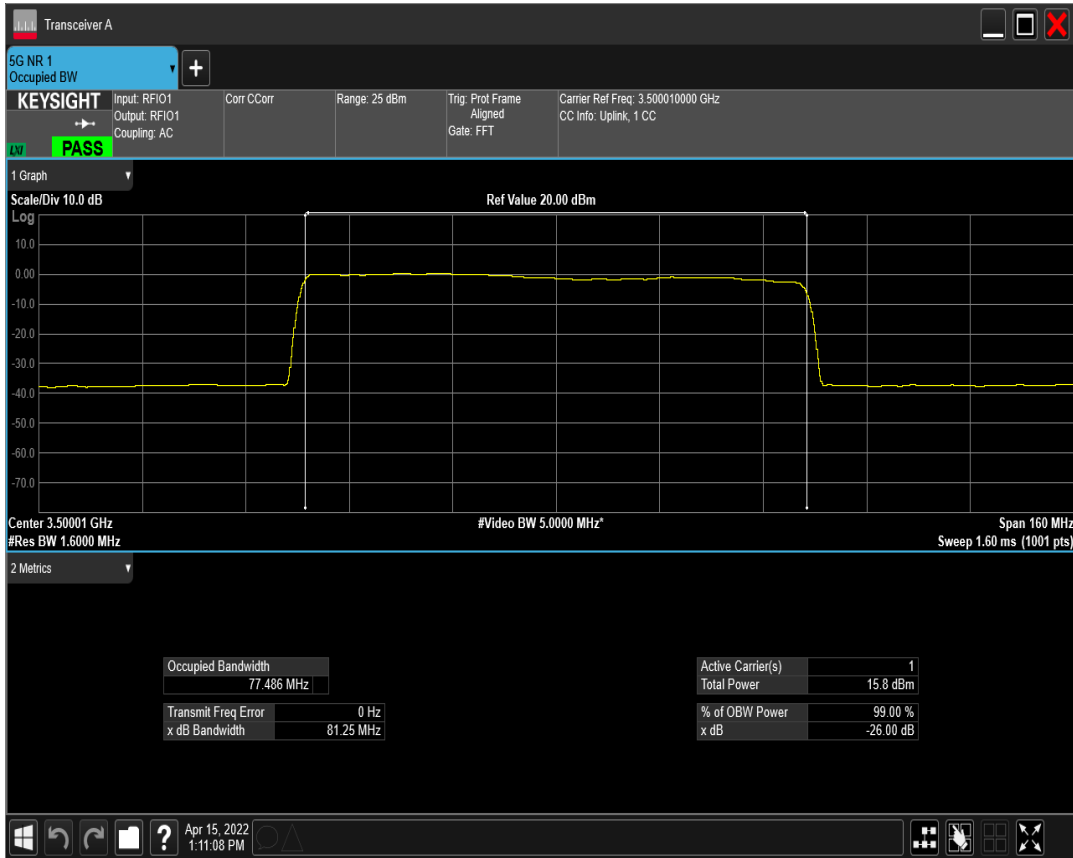




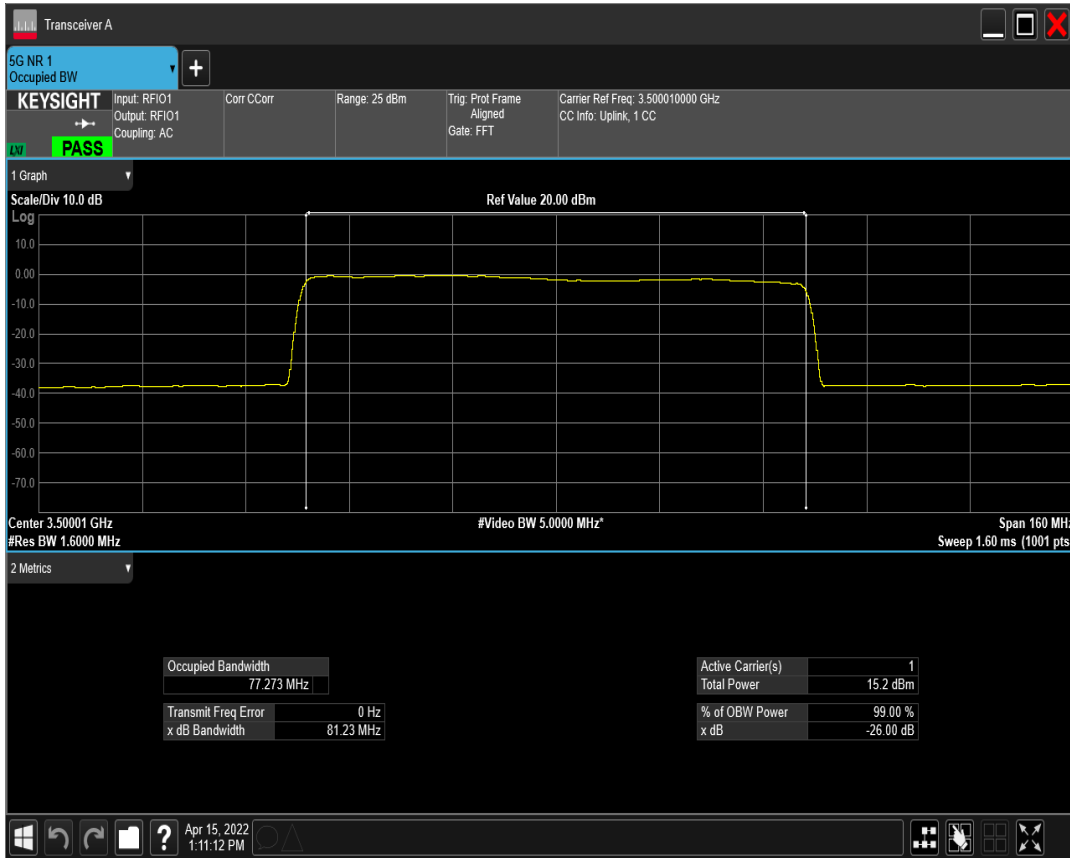
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=80MHz Channel=633334 RB=216@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=80MHz Channel=633334 RB=216@0



n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=80MHz Channel=633334 RB=216@0



n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=80MHz Channel=633334 RB=216@0



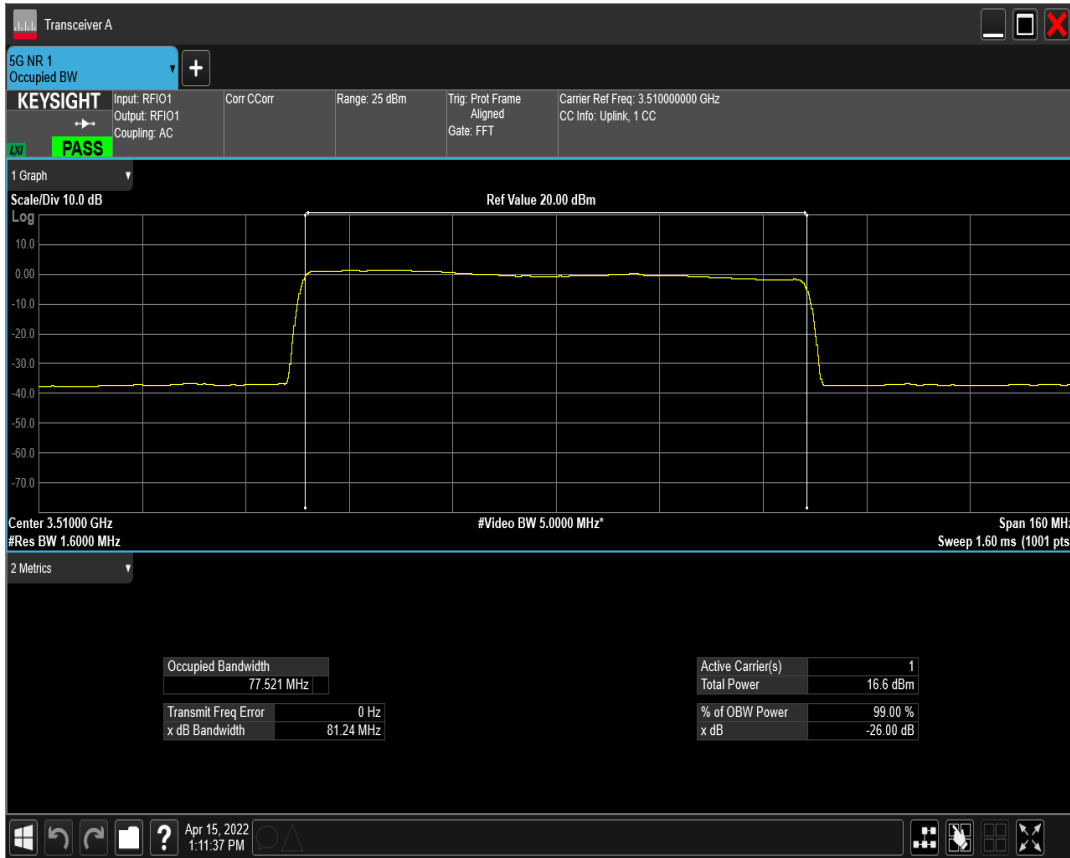
n78(3450-3550) SCS=30kHz CP\_QPSK BW=80MHz Channel=633334 RB=217@0



n78(3450-3550) SCS=30kHz DFT\_BPSK BW=80MHz Channel=634000 RB=216@0

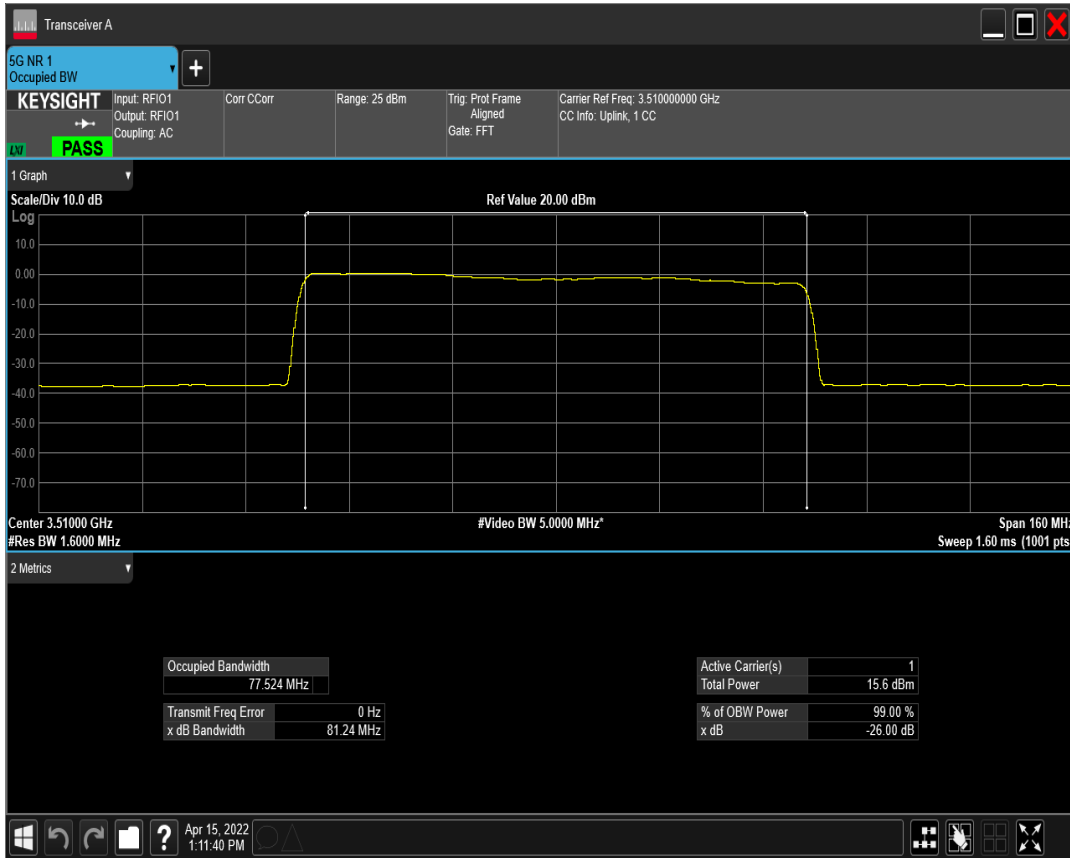


n78(3450-3550) SCS=30kHz DFT\_QPSK BW=80MHz Channel=634000 RB=216@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=80MHz Channel=634000 RB=216@0

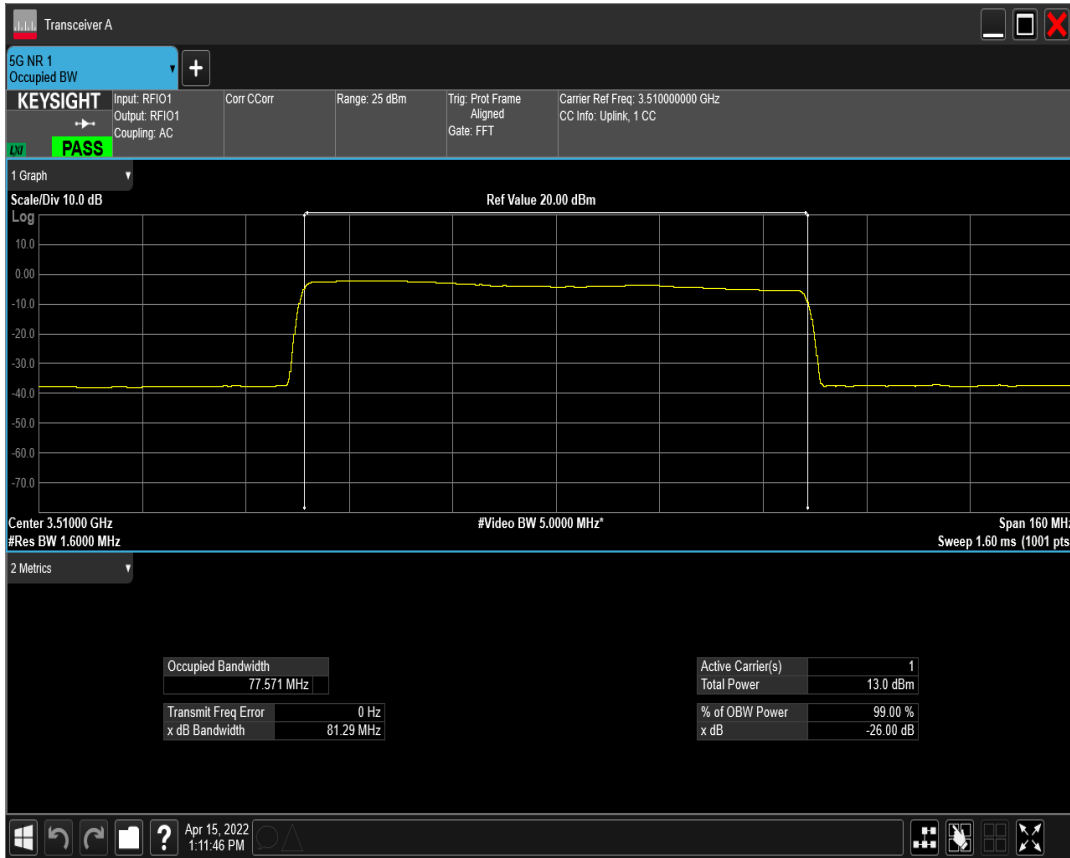




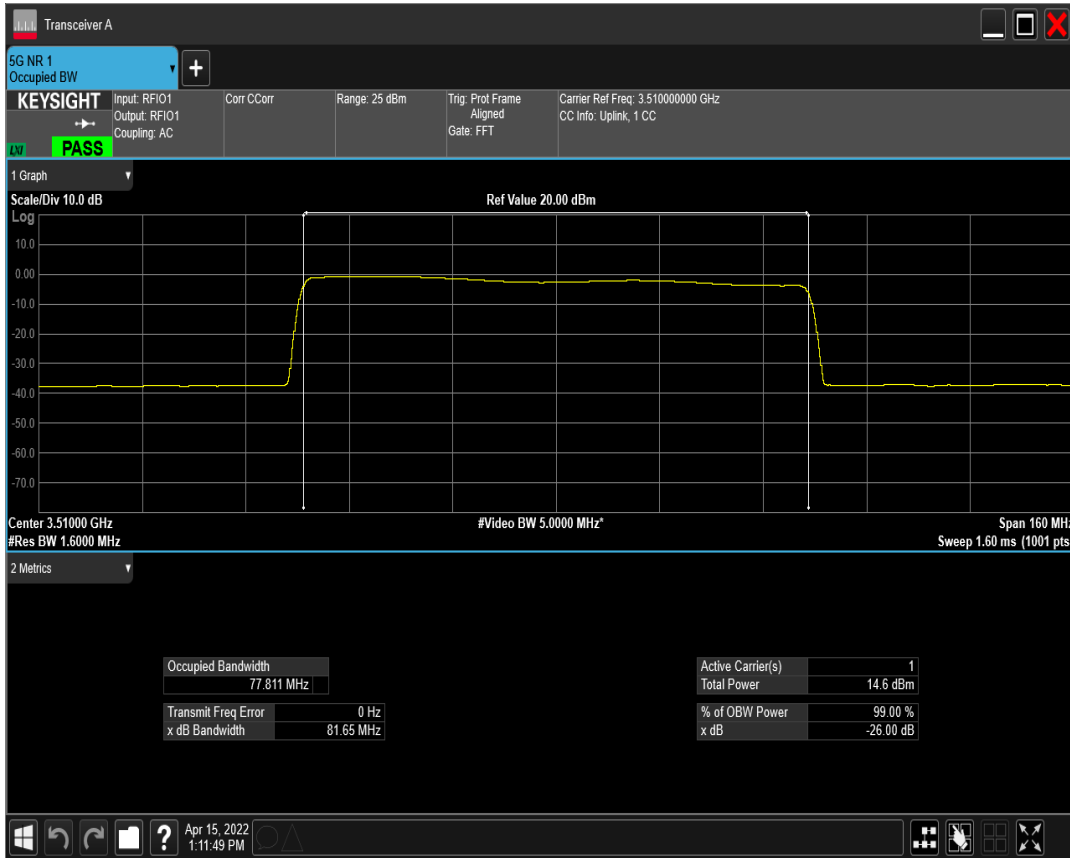
n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=80MHz Channel=634000 RB=216@0



n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=80MHz Channel=634000 RB=216@0



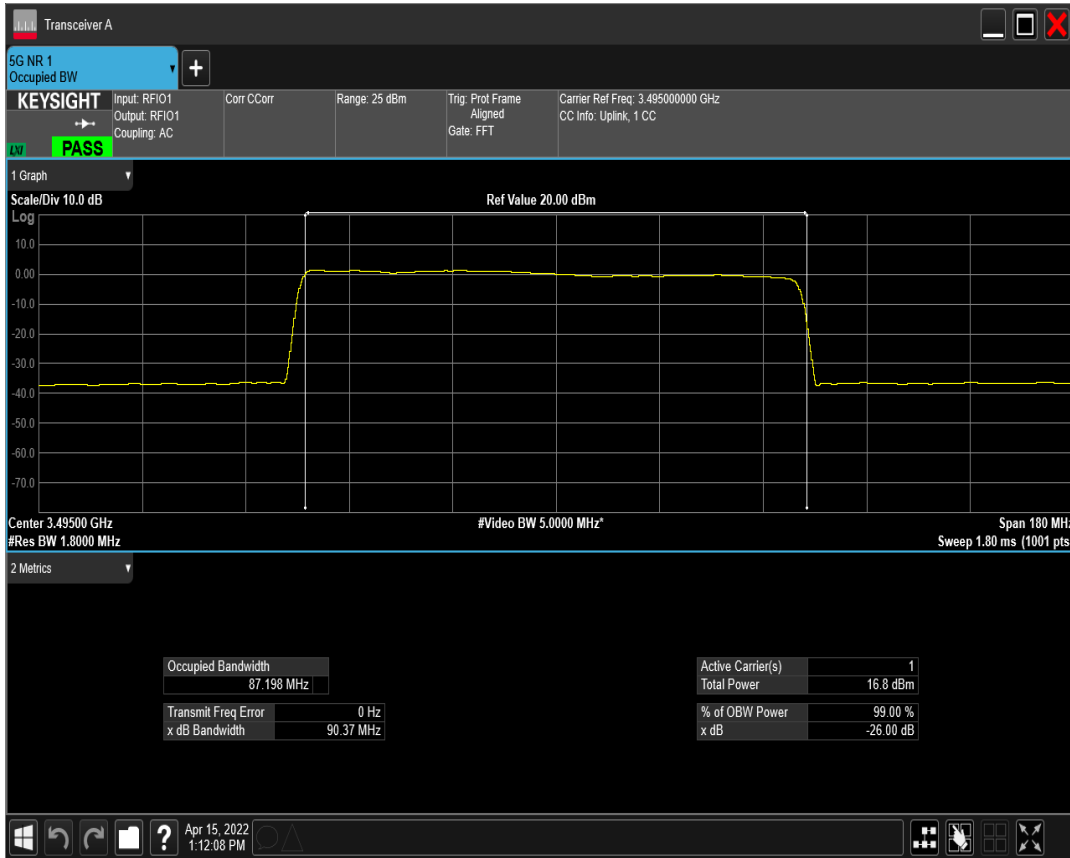
n78(3450-3550) SCS=30kHz CP\_QPSK BW=80MHz Channel=634000 RB=217@0



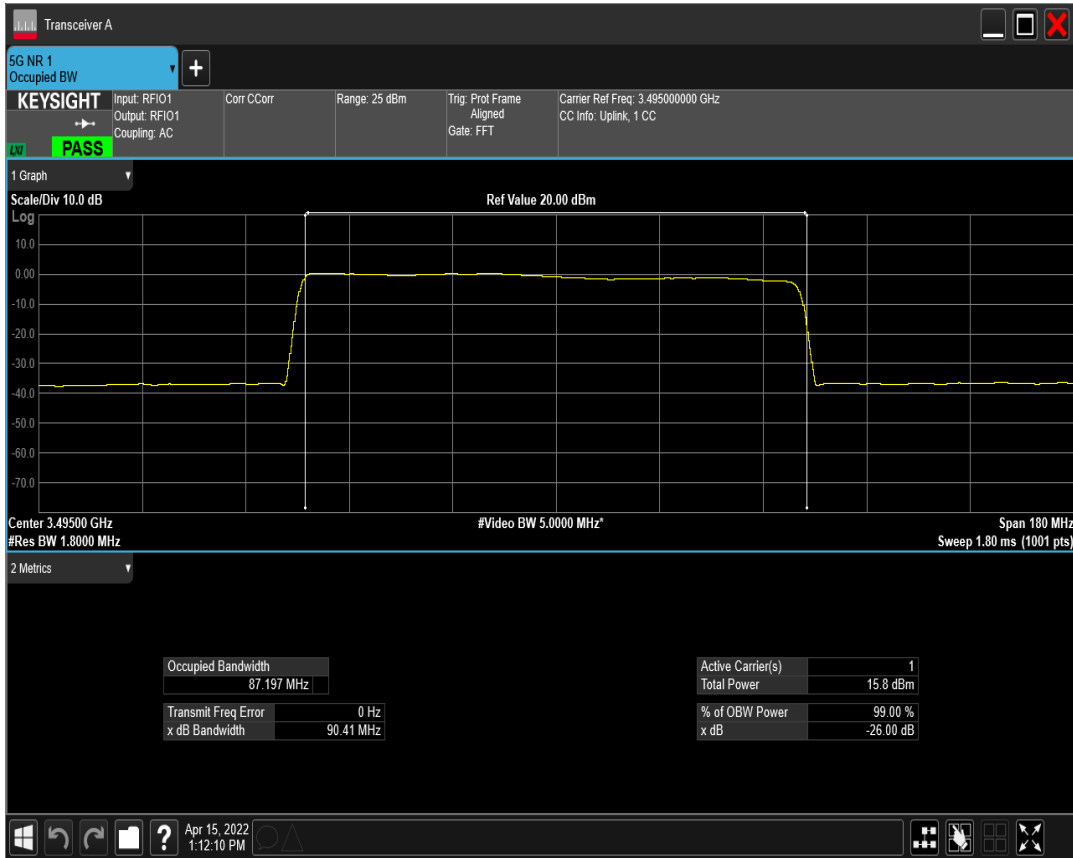
n78(3450-3550) SCS=30kHz DFT\_BPSK BW=90MHz Channel=633000 RB=240@0



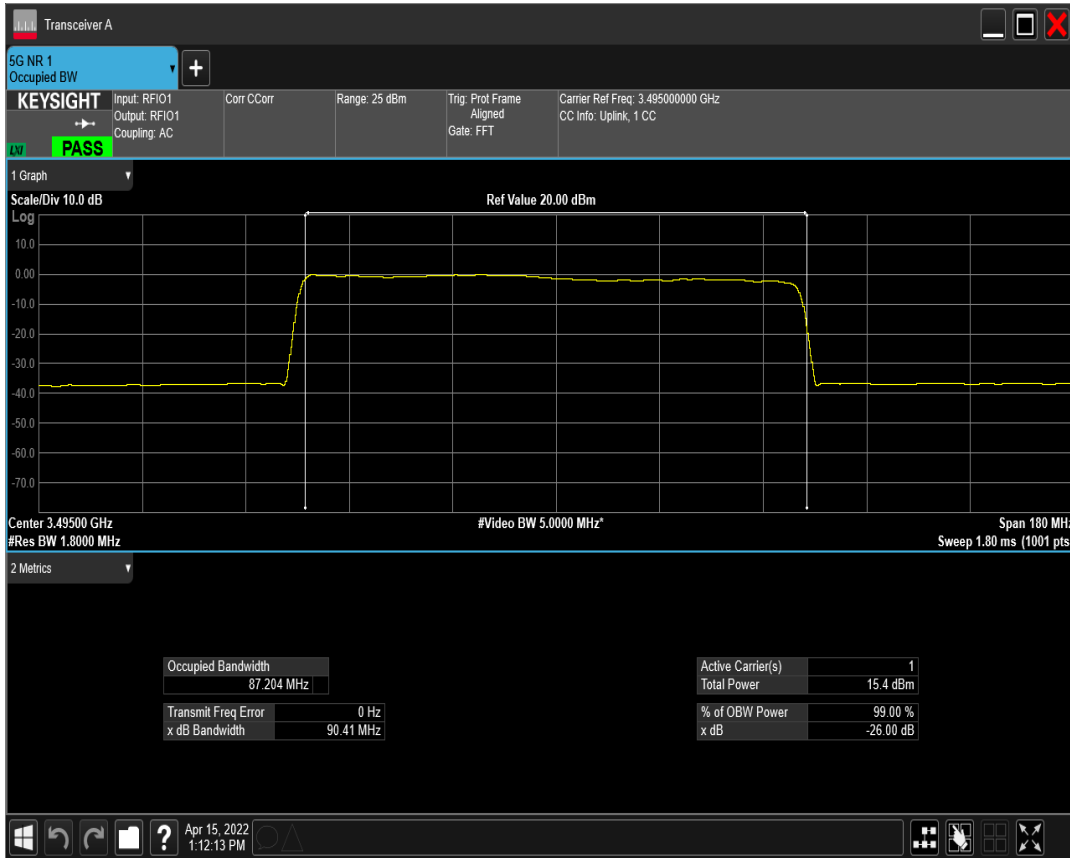
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=90MHz Channel=633000 RB=240@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=90MHz Channel=633000 RB=240@0

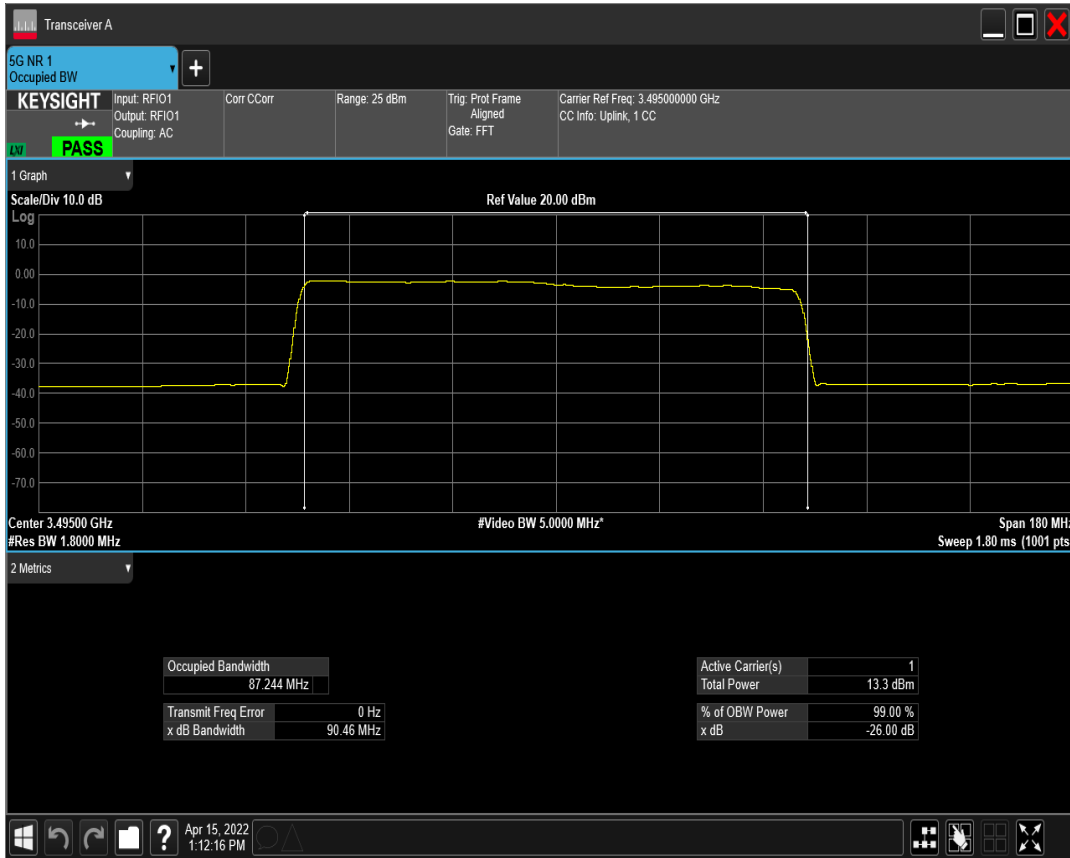


n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=90MHz Channel=633000 RB=240@0

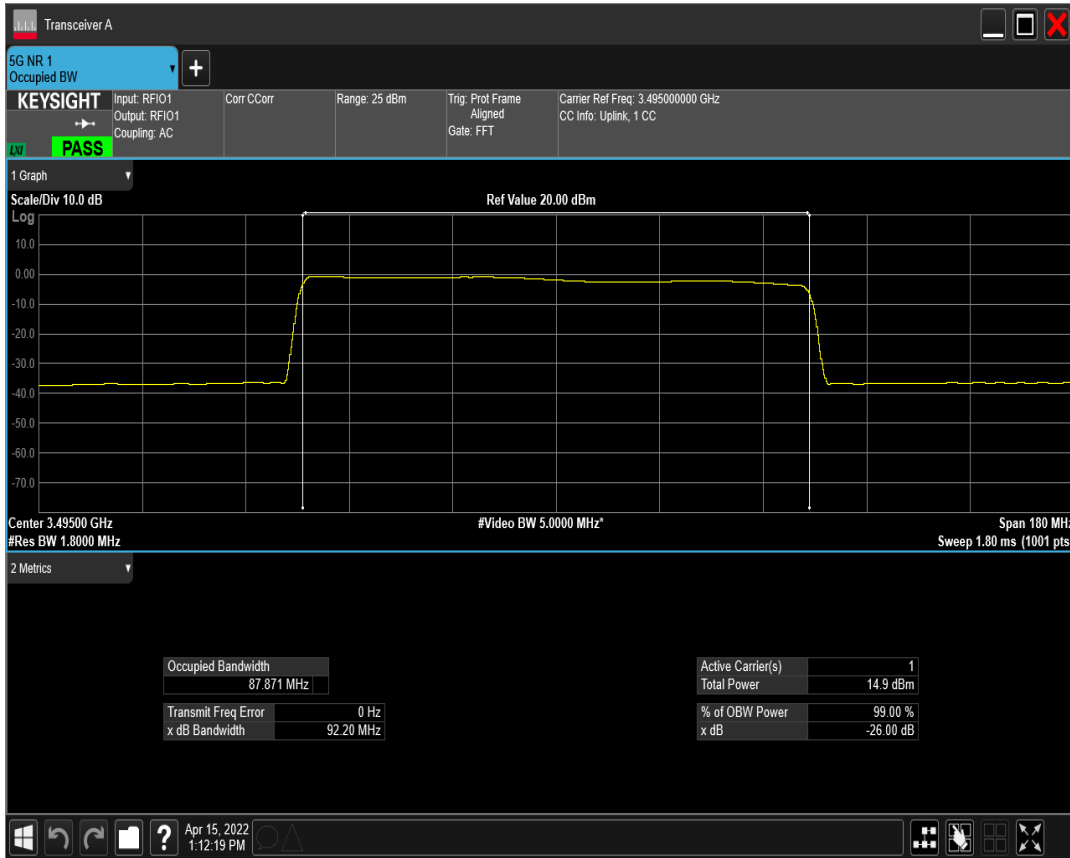


n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=90MHz Channel=633000 RB=240@0





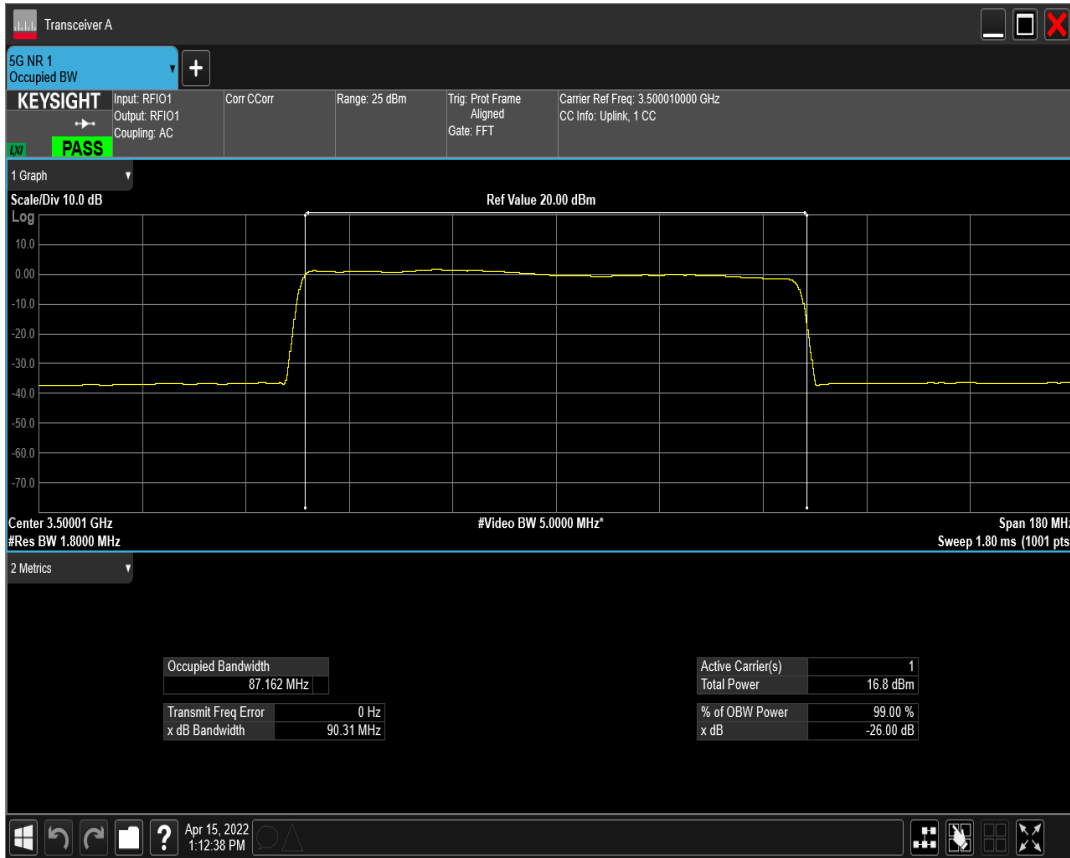
n78(3450-3550) SCS=30kHz CP\_QPSK BW=90MHz Channel=633000 RB=245@0



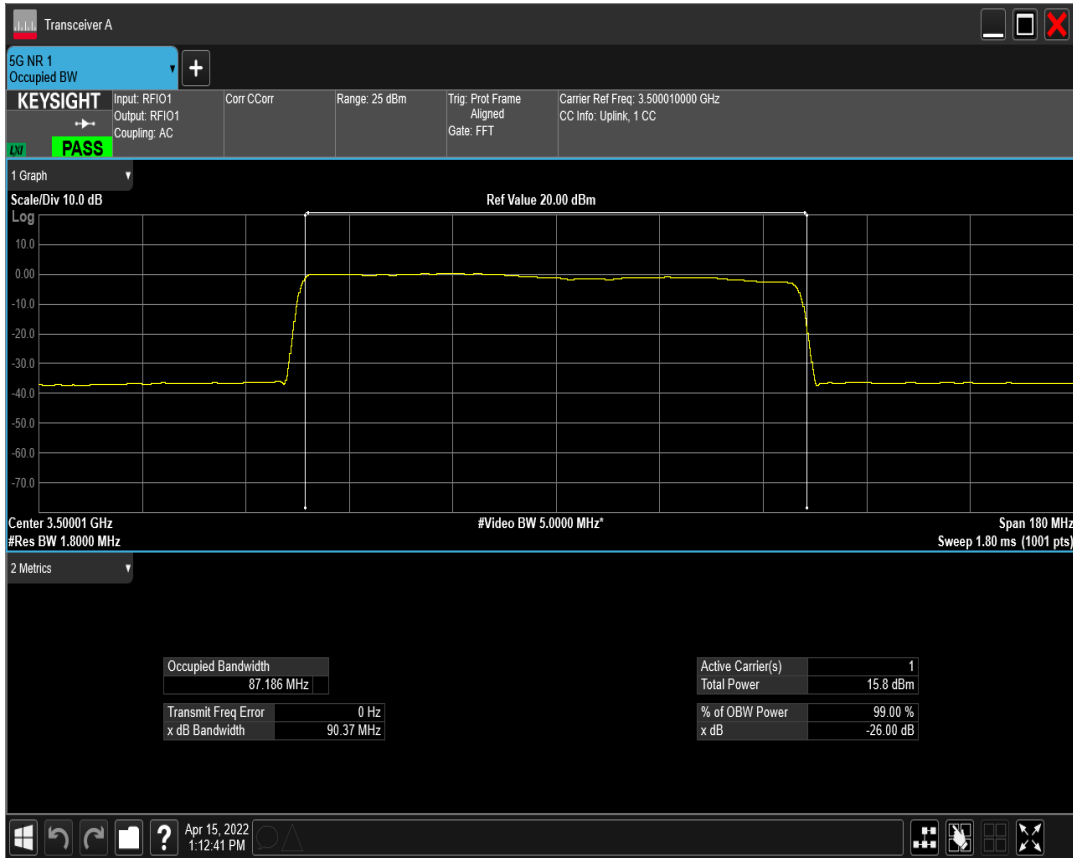
n78(3450-3550) SCS=30kHz DFT\_BPSK BW=90MHz Channel=633334 RB=240@0



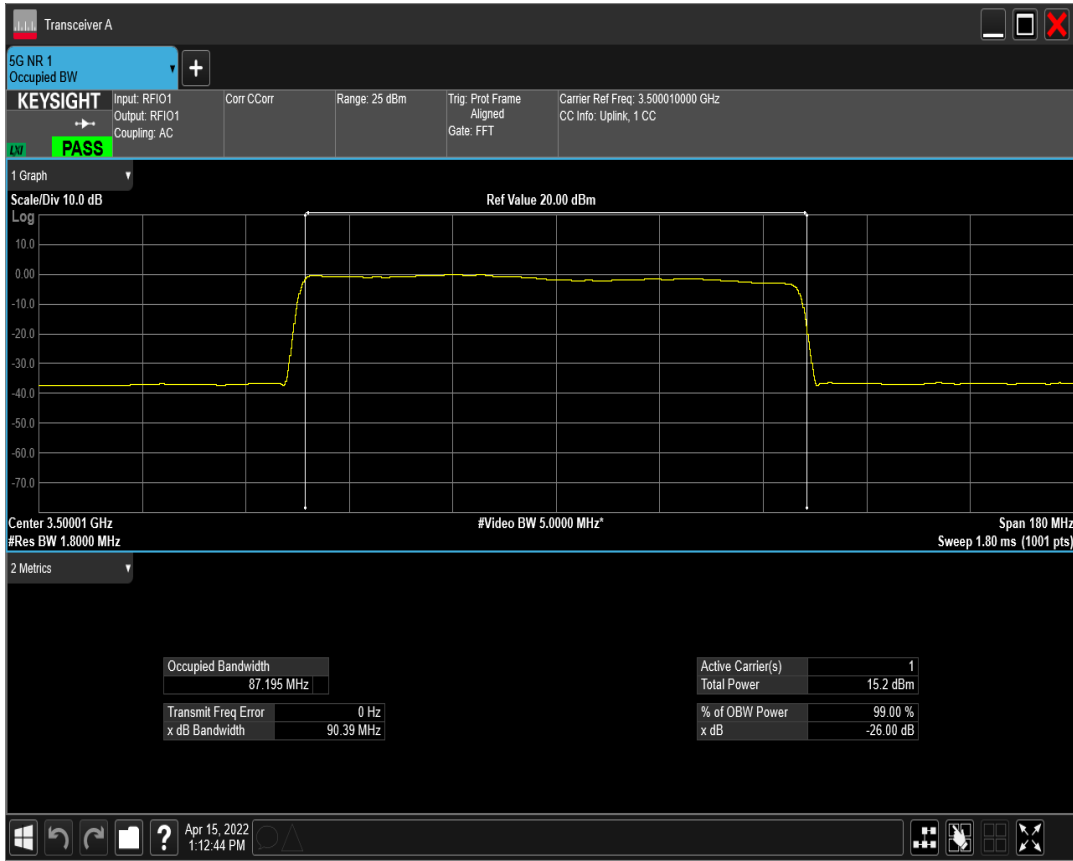
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=90MHz Channel=633334 RB=240@0



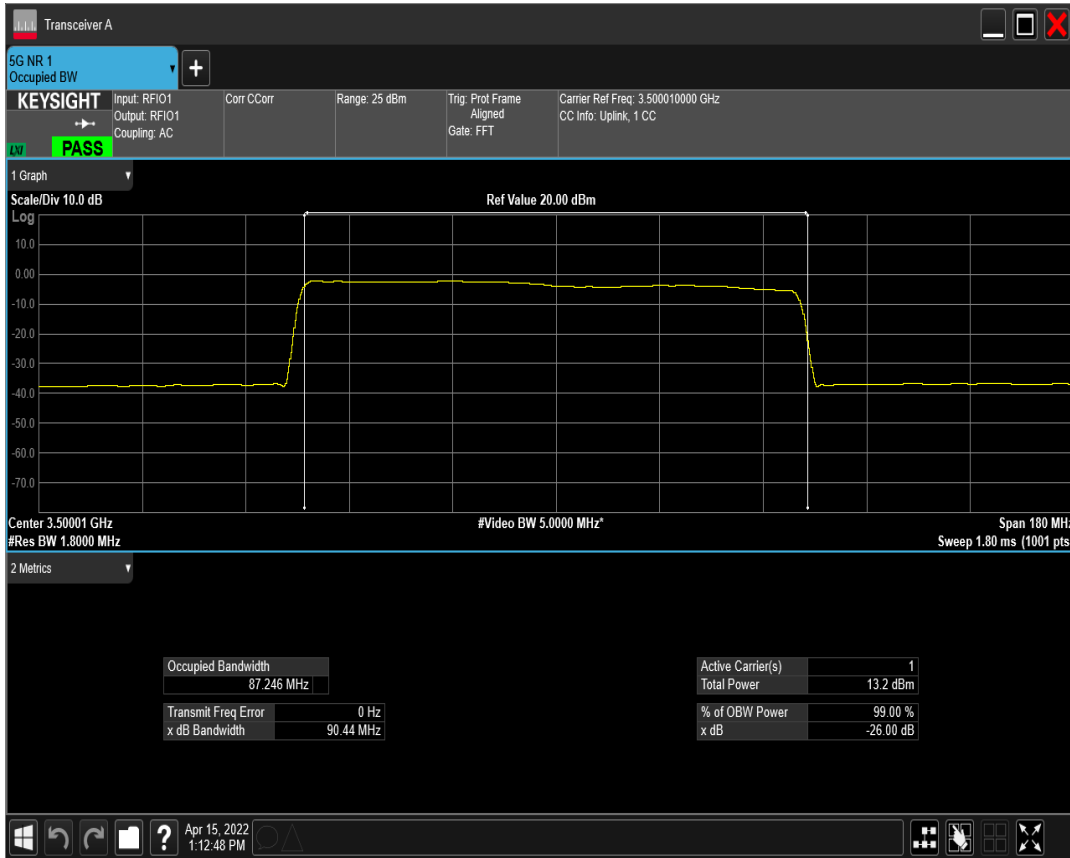
n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=90MHz Channel=633334 RB=240@0



n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=90MHz Channel=633334 RB=240@0



n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=90MHz Channel=633334 RB=240@0

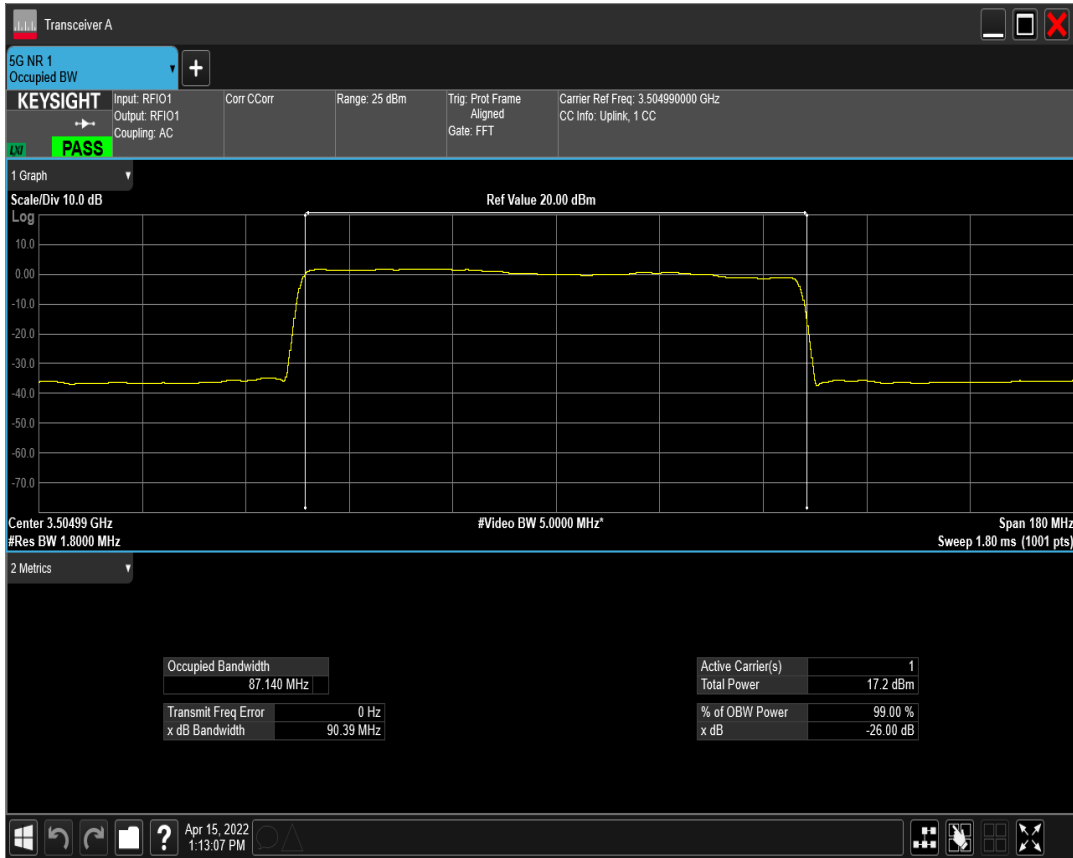


n78(3450-3550) SCS=30kHz CP\_QPSK BW=90MHz Channel=633334 RB=245@0

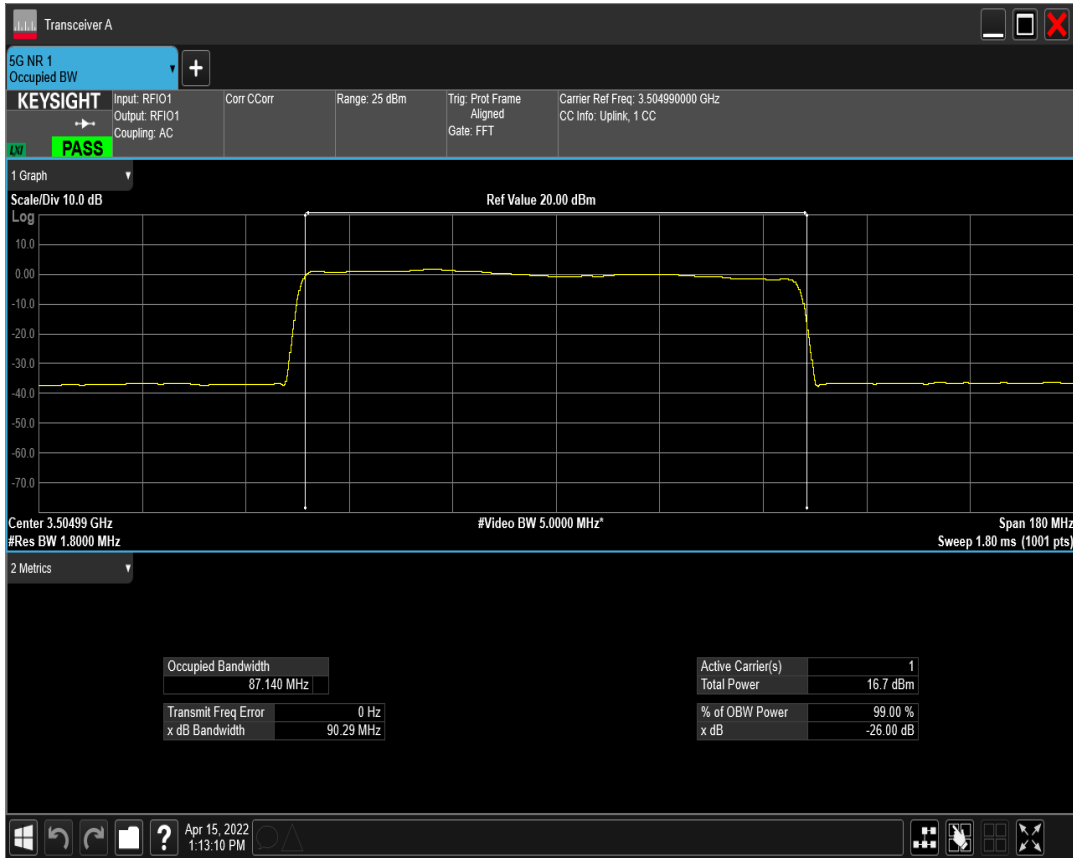


n78(3450-3550) SCS=30kHz DFT\_BPSK BW=90MHz Channel=633666 RB=240@0

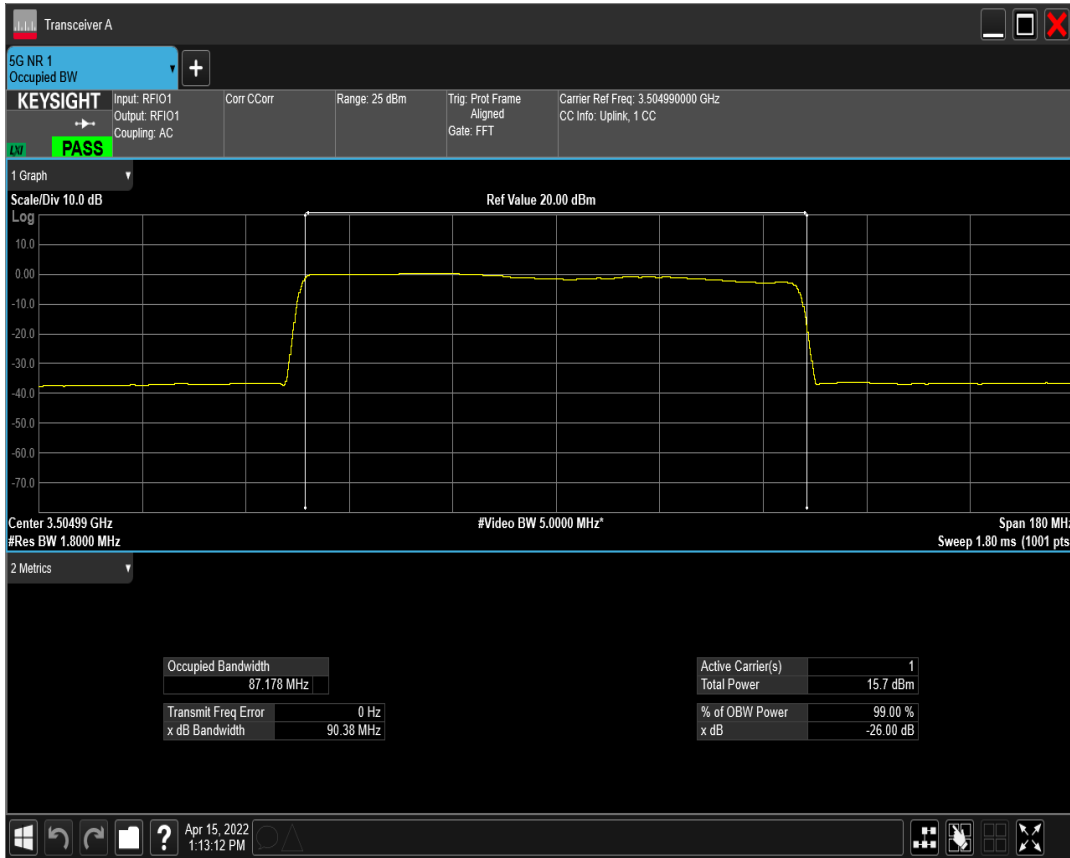




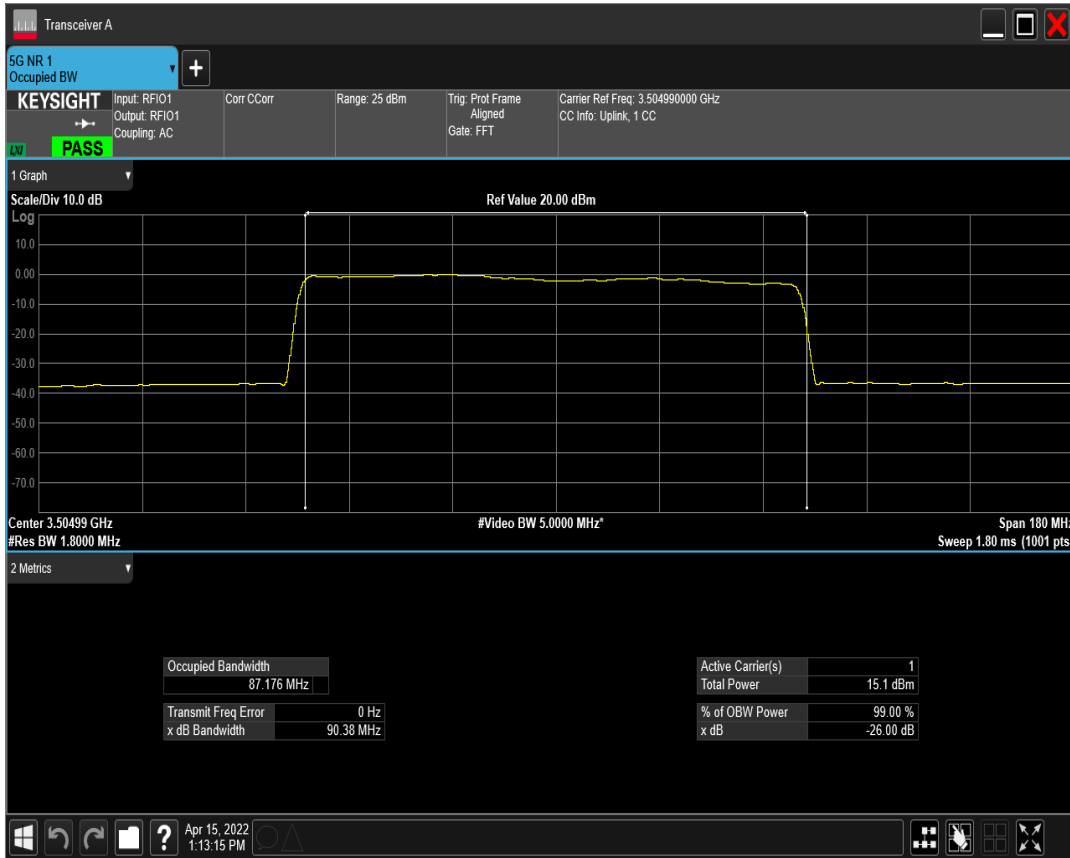
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=90MHz Channel=633666 RB=240@0



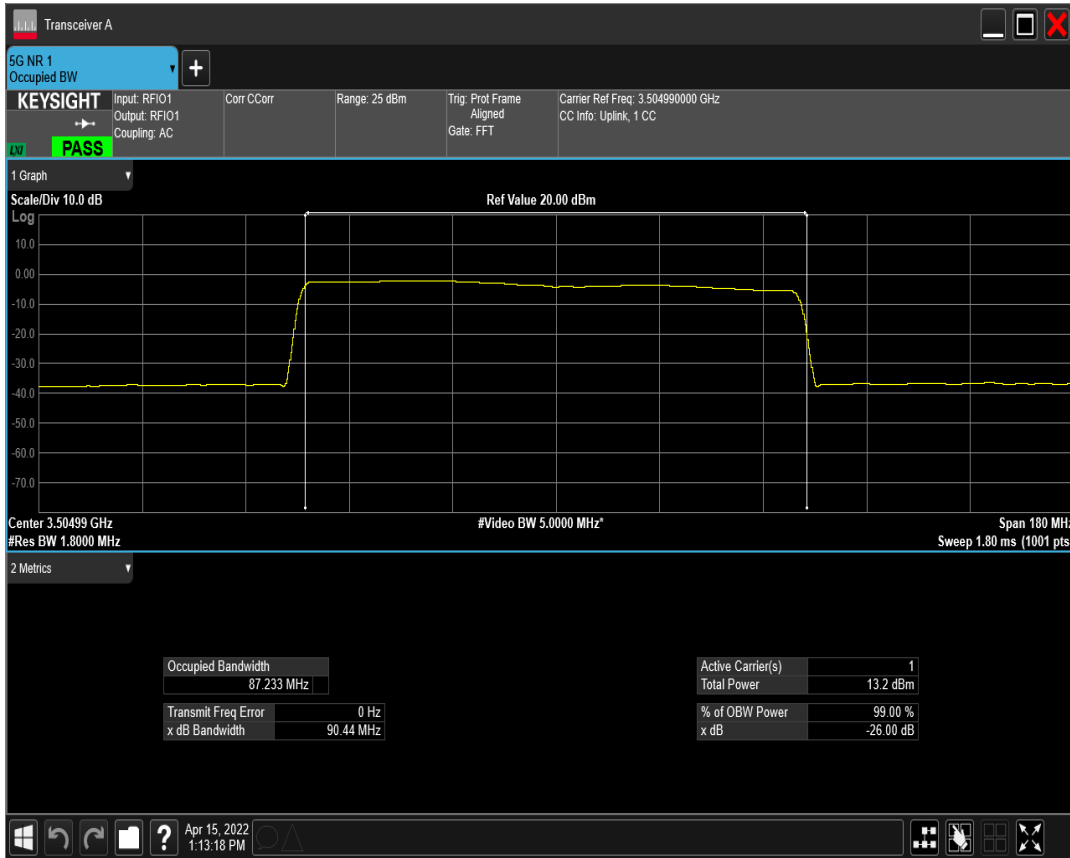
n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=90MHz Channel=633666 RB=240@0



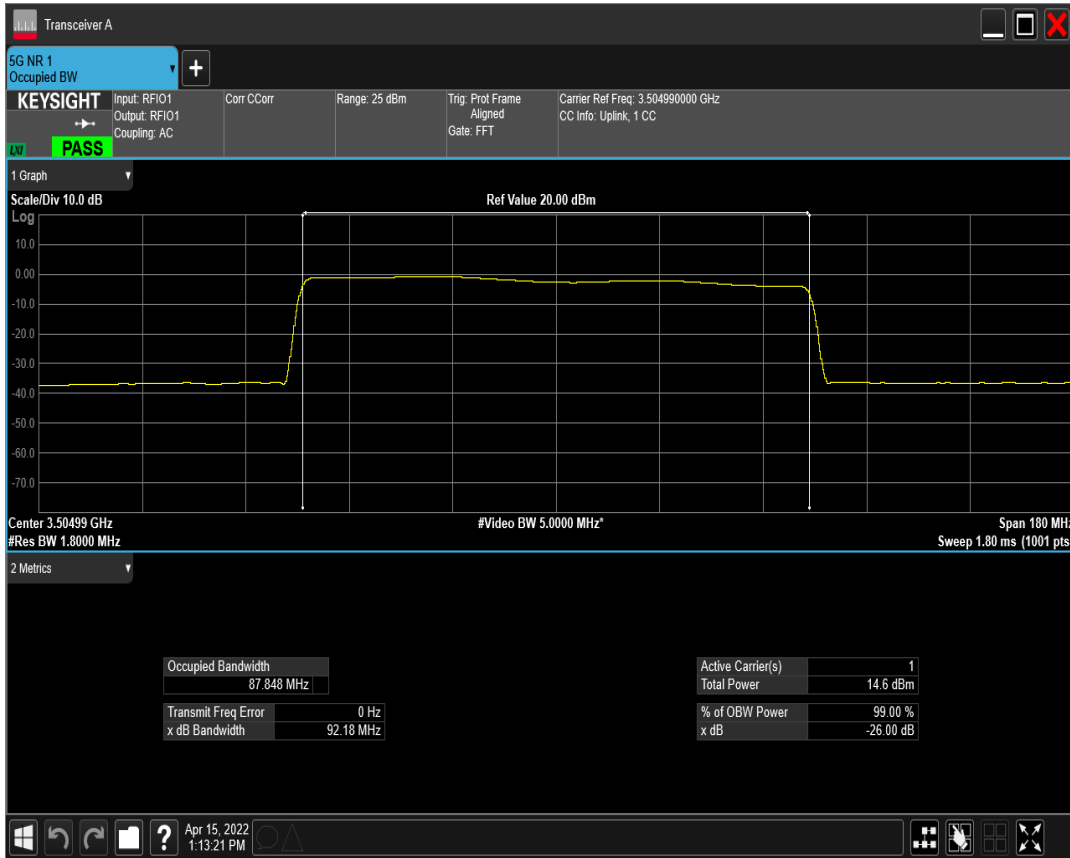
n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=90MHz Channel=633666 RB=240@0



n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=90MHz Channel=633666 RB=240@0



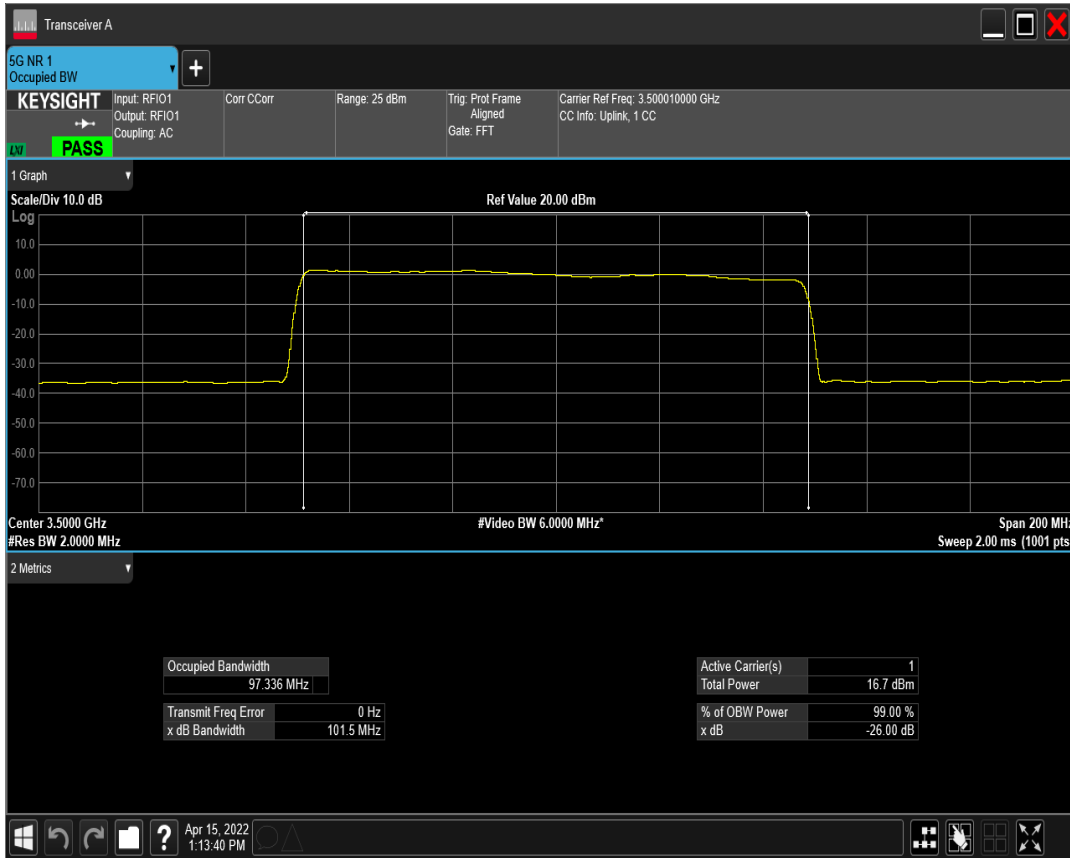
n78(3450-3550) SCS=30kHz CP\_QPSK BW=90MHz Channel=633666 RB=245@0



n78(3450-3550) SCS=30kHz DFT\_BPSK BW=100MHz Channel=633334 RB=270@0



n78(3450-3550) SCS=30kHz DFT\_QPSK BW=100MHz Channel=633334 RB=270@0

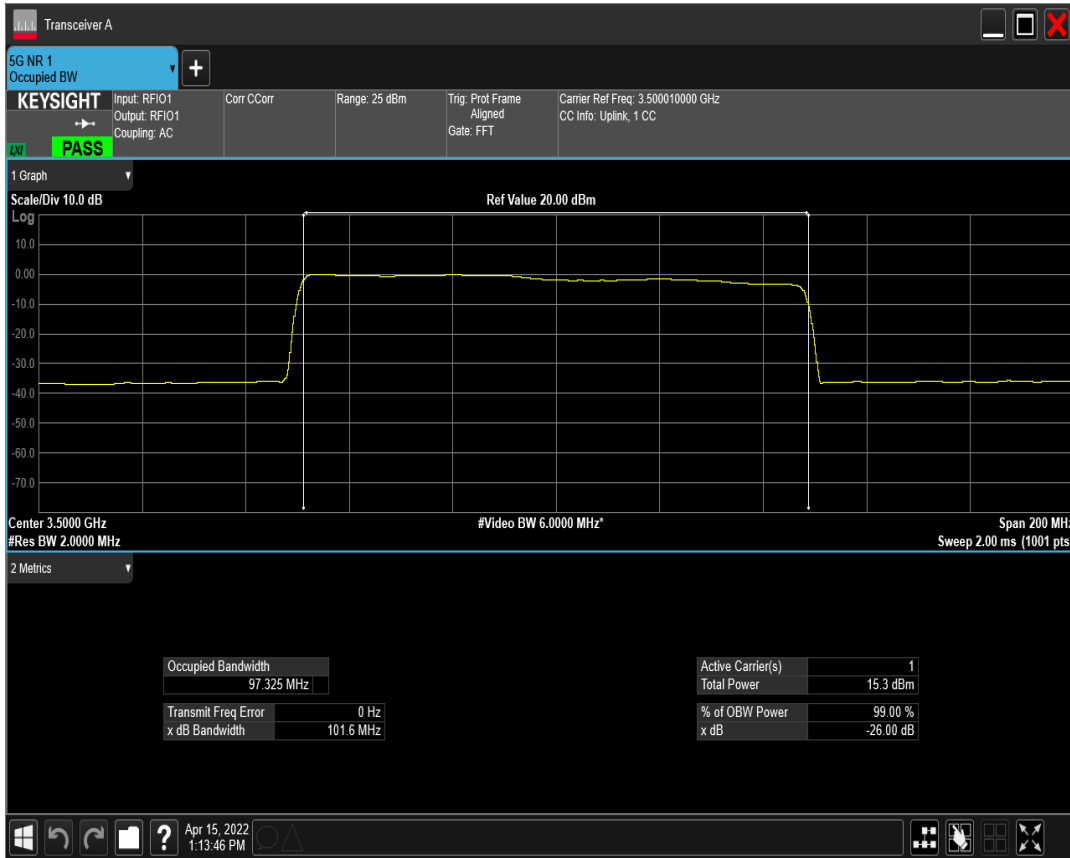


n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=100MHz Channel=633334 RB=270@0





n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=100MHz Channel=633334 RB=270@0



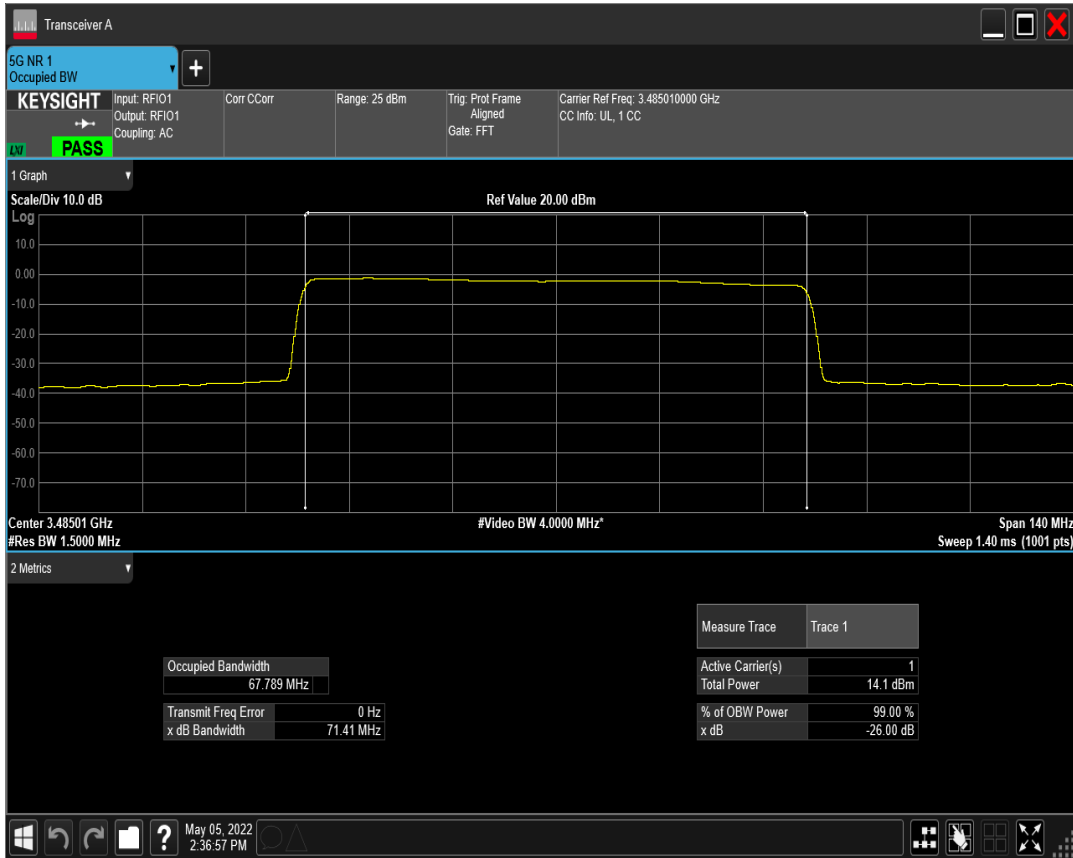
n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=100MHz Channel=633334 RB=270@0



n78(3450-3550) SCS=30kHz CP\_QPSK BW=100MHz Channel=633334 RB=273@0



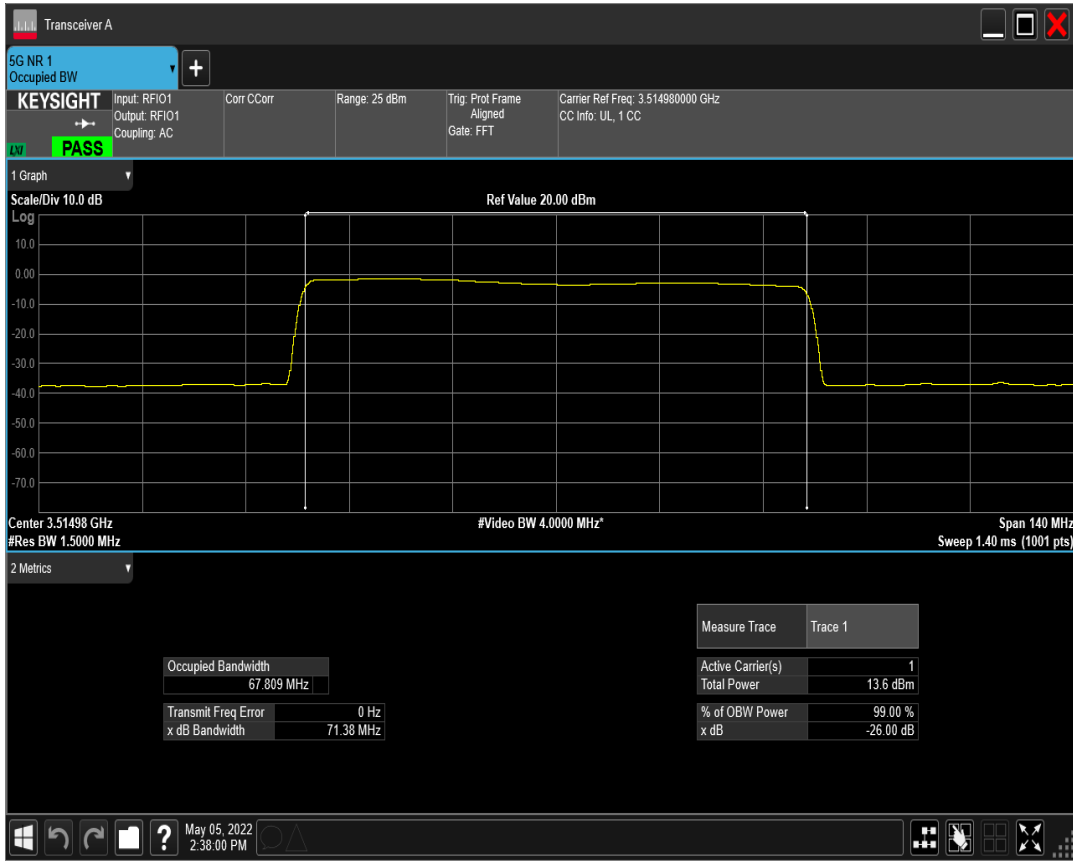
n78(3450-3550) SCS=30kHz CP\_QPSK BW=70MHz Channel=632334 RB=189@0



n78(3450-3550) SCS=30kHz CP\_QPSK BW=70MHz Channel=633334 RB=189@0



n78(3450-3550) SCS=30kHz CP\_QPSK BW=70MHz Channel=634332 RB=189@0

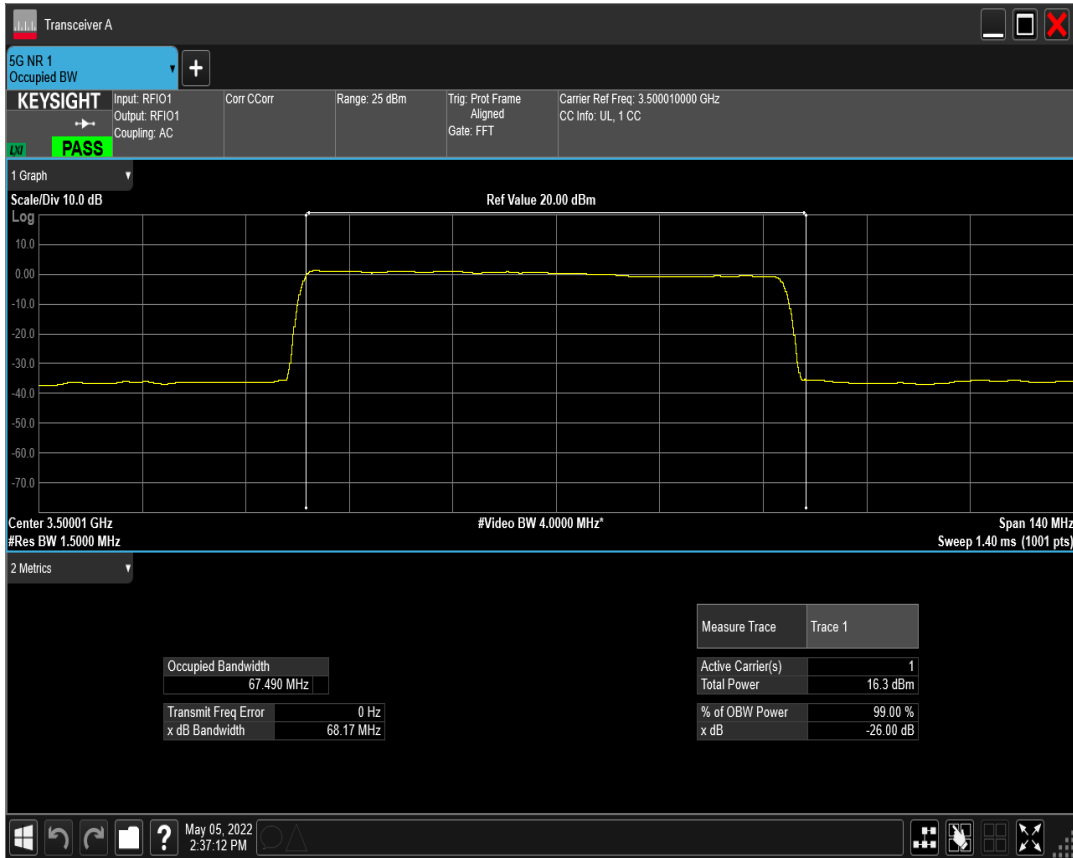


n78(3450-3550) SCS=30kHz DFT\_BPSK BW=70MHz Channel=634332 RB=180@0

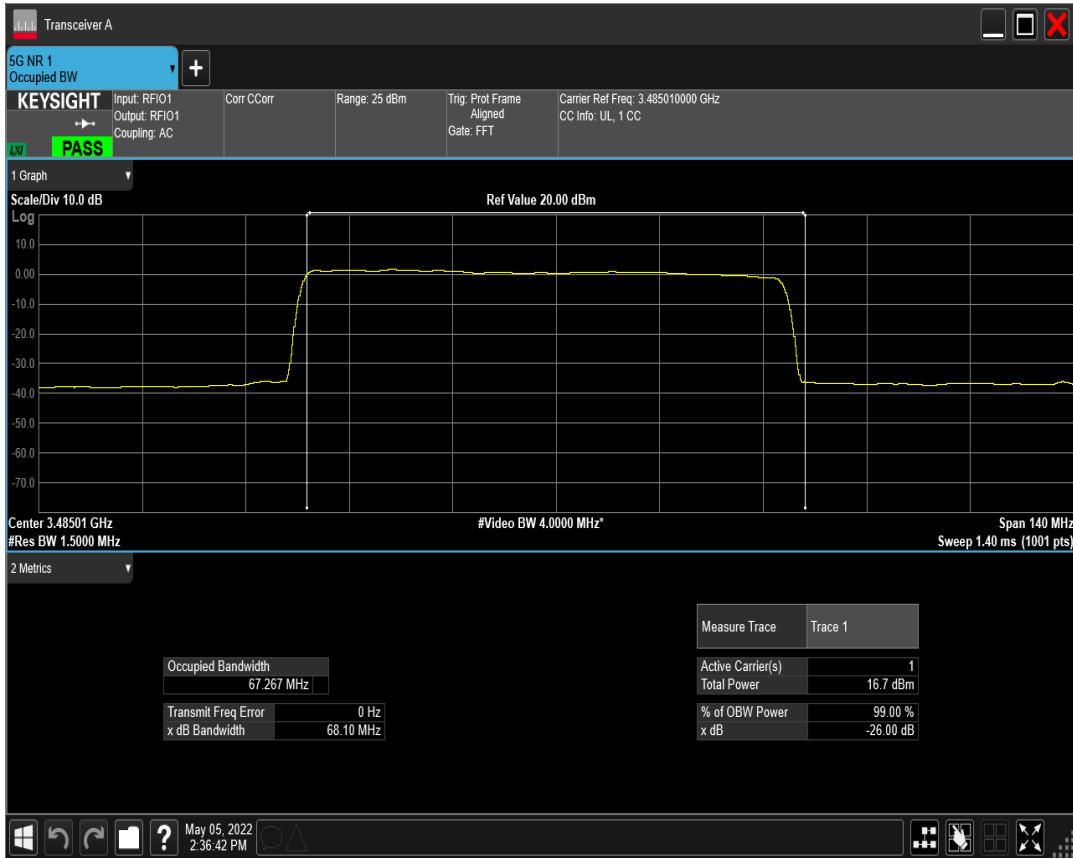


n78(3450-3550) SCS=30kHz DFT\_BPSK BW=70MHz Channel=633334 RB=180@0

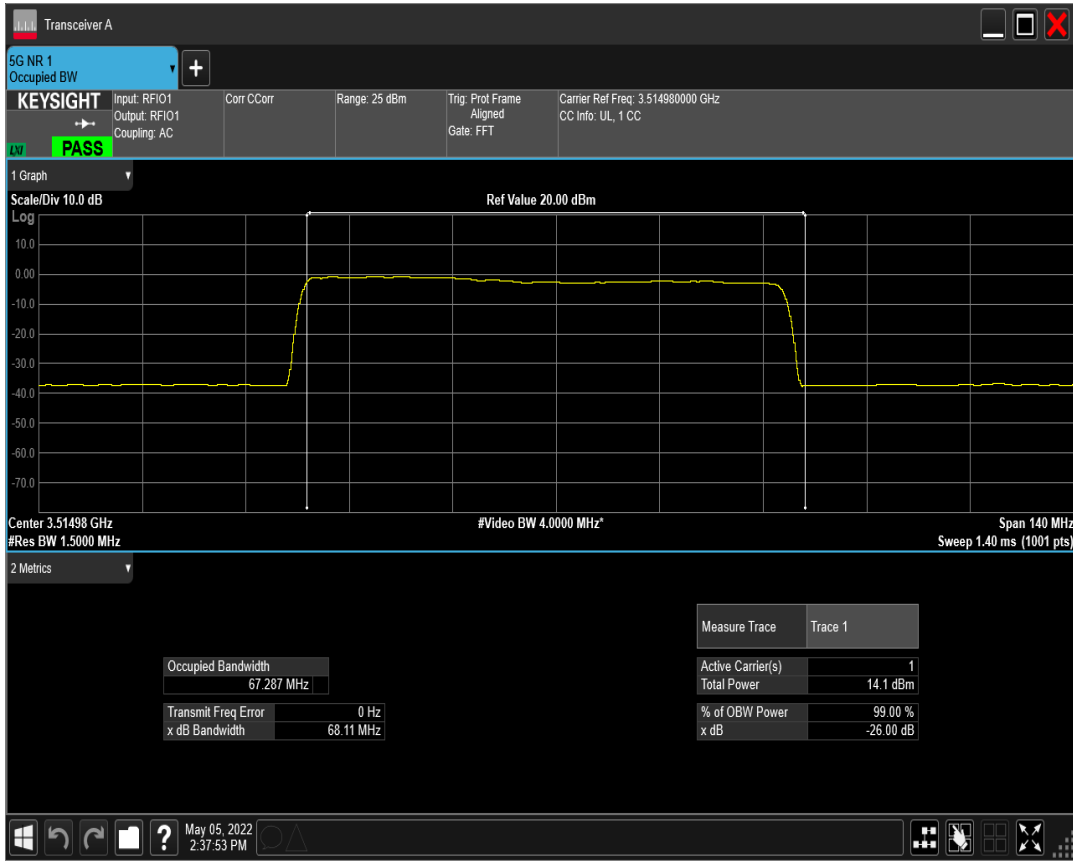




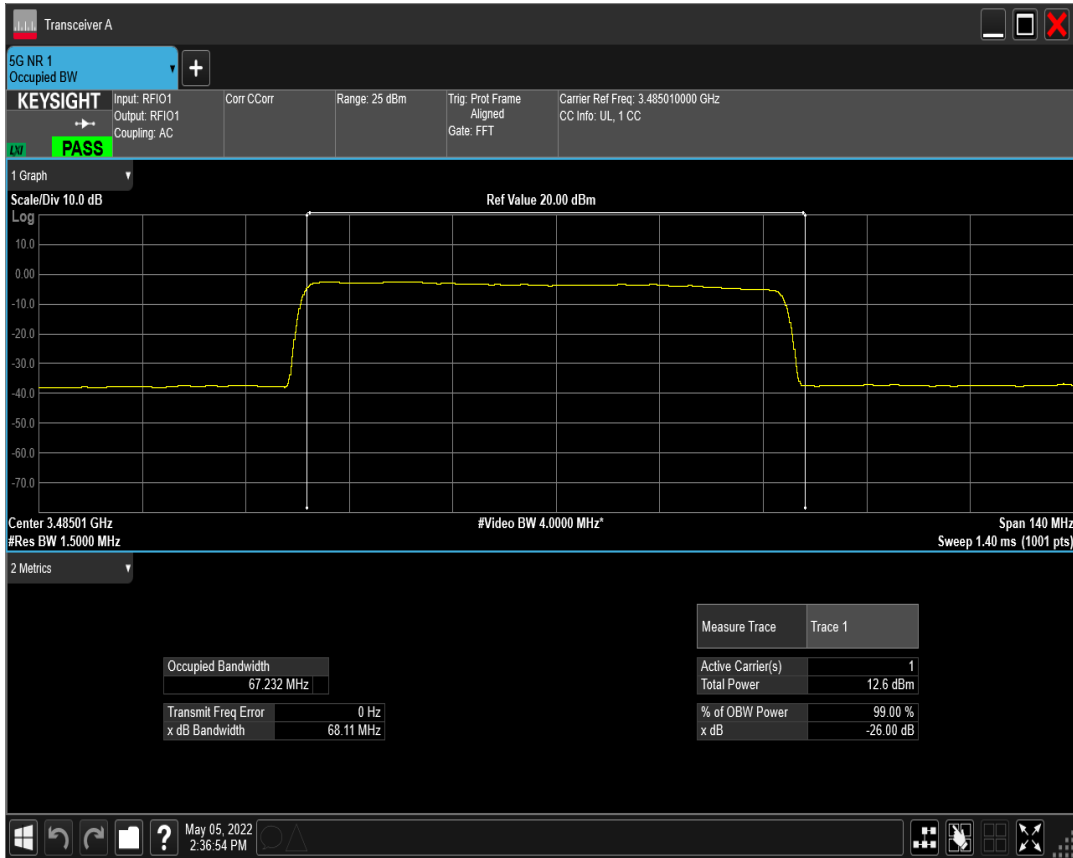
n78(3450-3550) SCS=30kHz DFT\_BPSK BW=70MHz Channel=632334 RB=180@0



n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=70MHz Channel=634332 RB=180@0



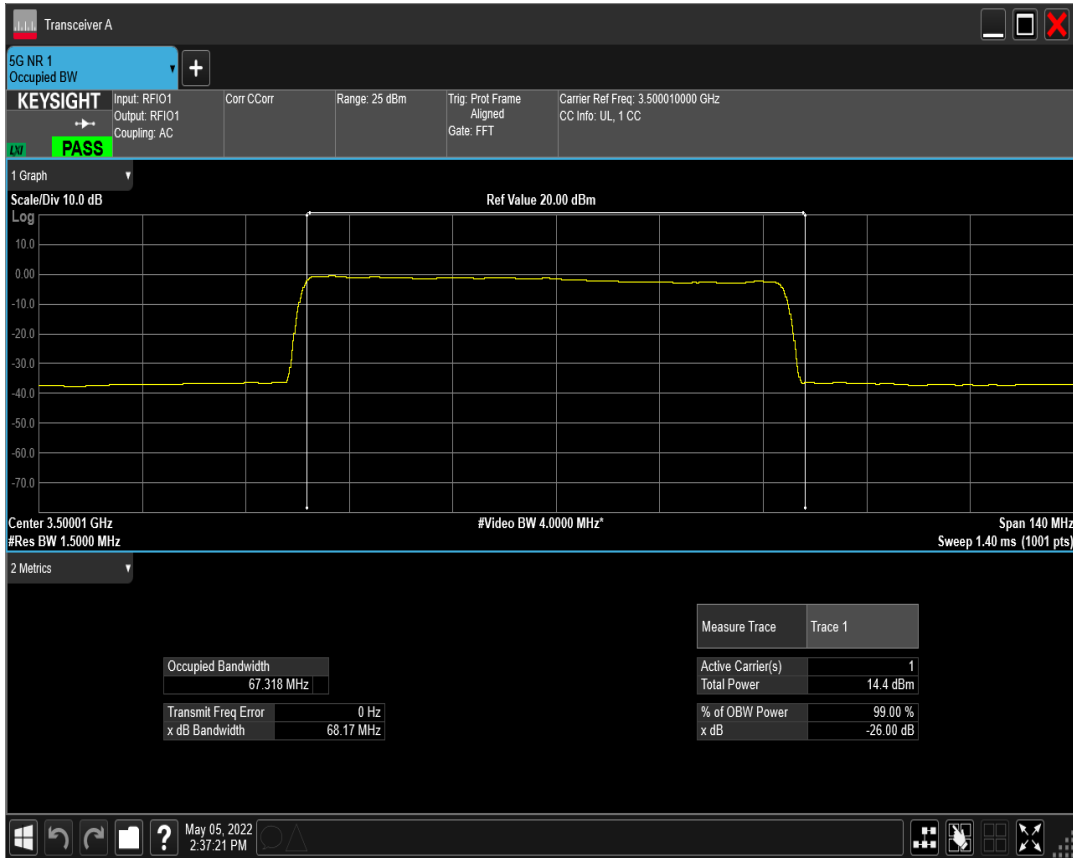
n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=70MHz Channel=632334 RB=180@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=70MHz Channel=634332 RB=180@0



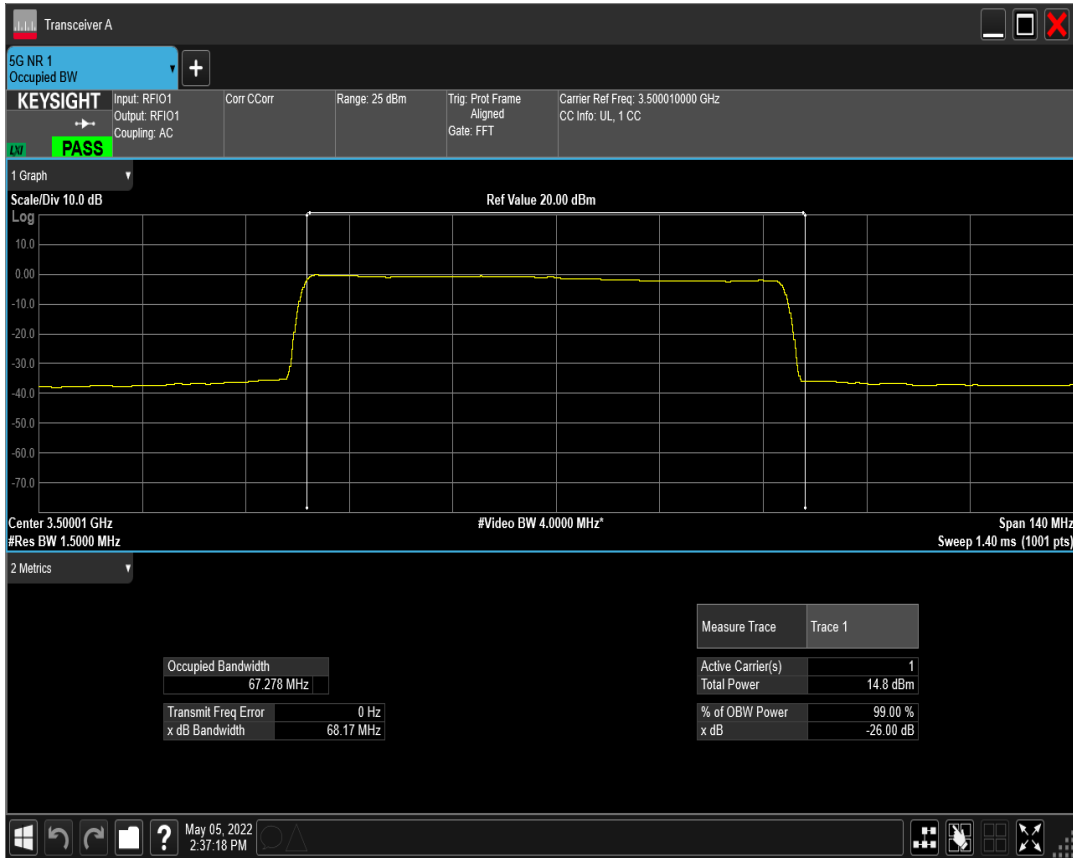
n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=70MHz Channel=633334 RB=180@0



n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=70MHz Channel=632334 RB=180@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=70MHz Channel=633334 RB=180@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=70MHz Channel=632334 RB=180@0





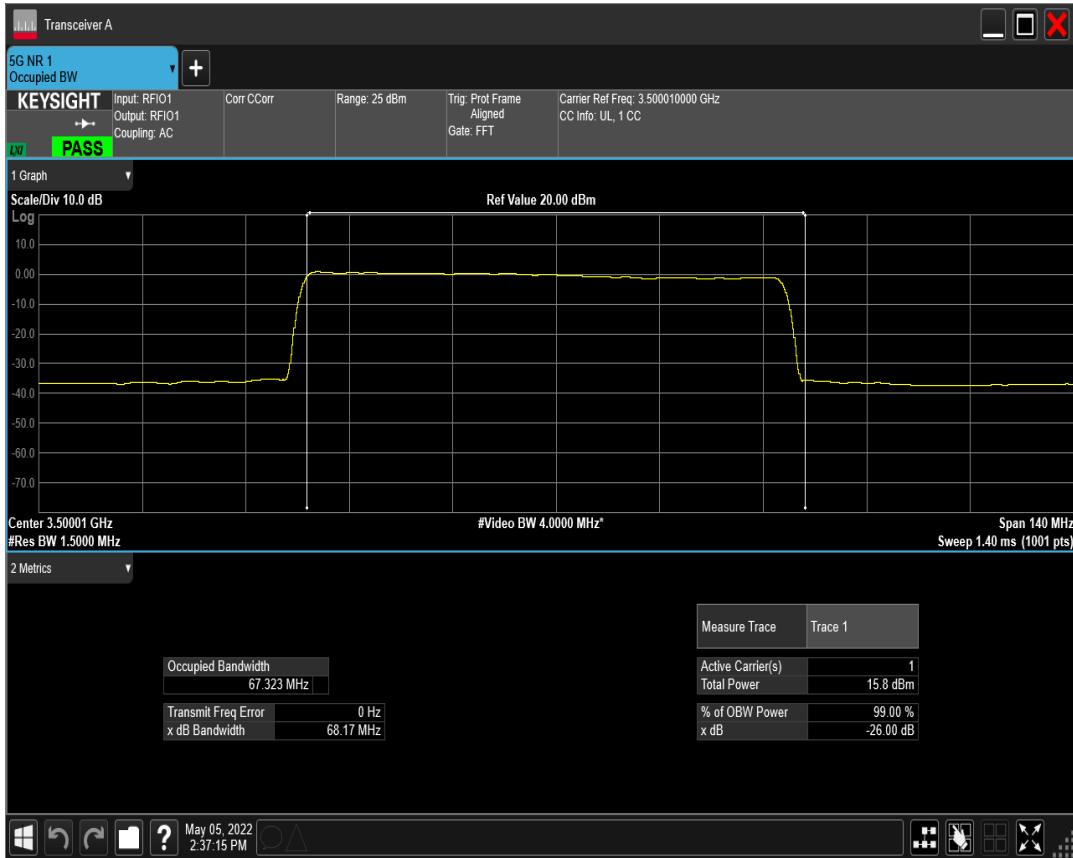
n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=70MHz Channel=634332 RB=180@0



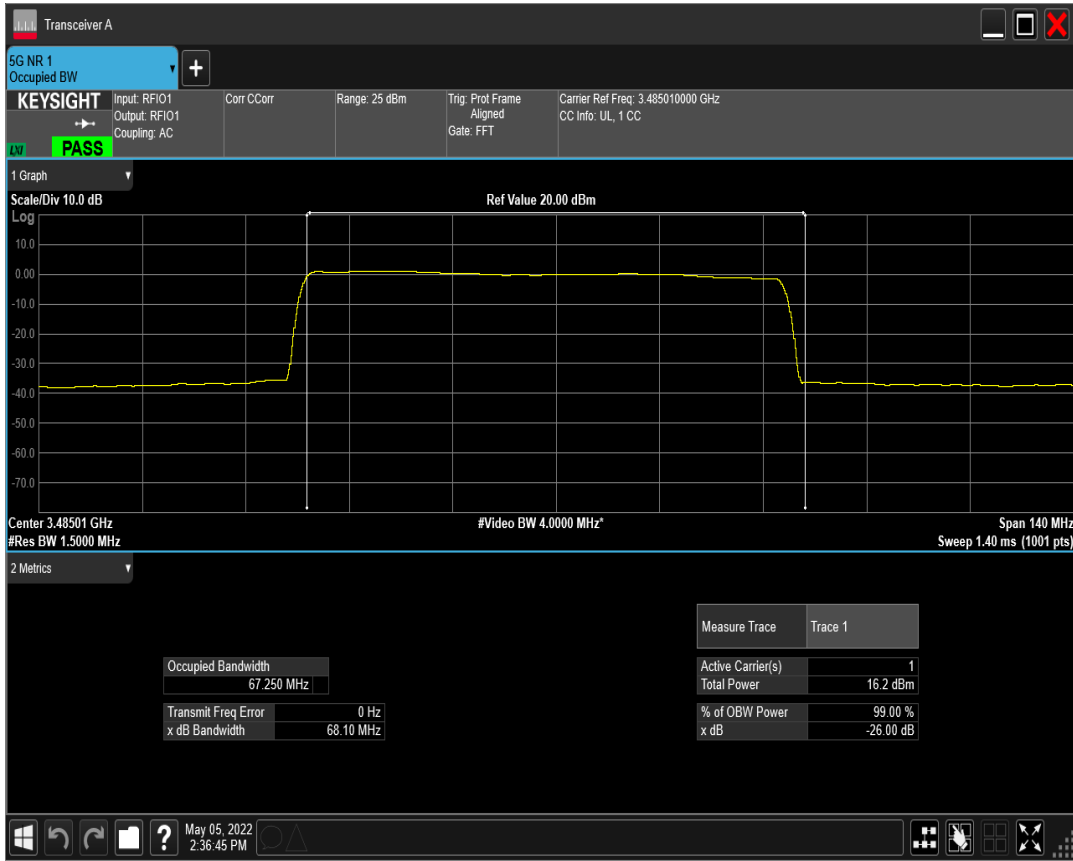
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=634332 RB=180@0



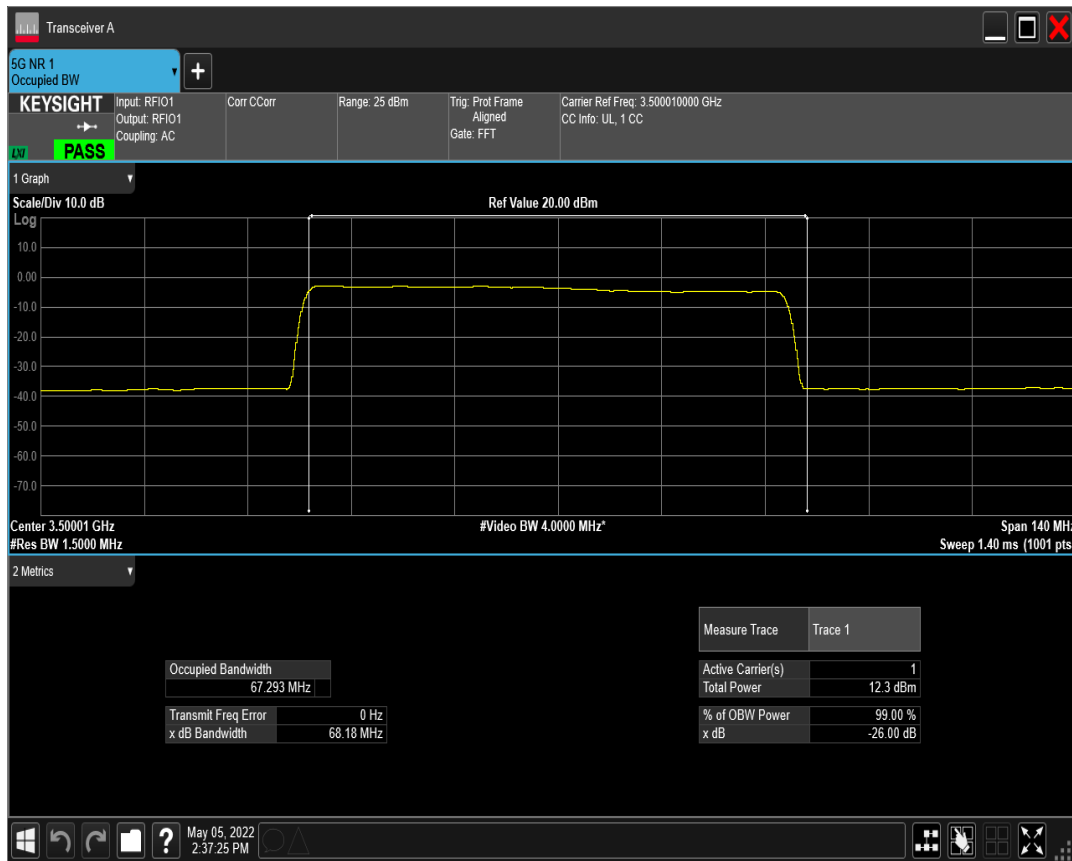
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=633334 RB=180@0



n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=632334 RB=180@0



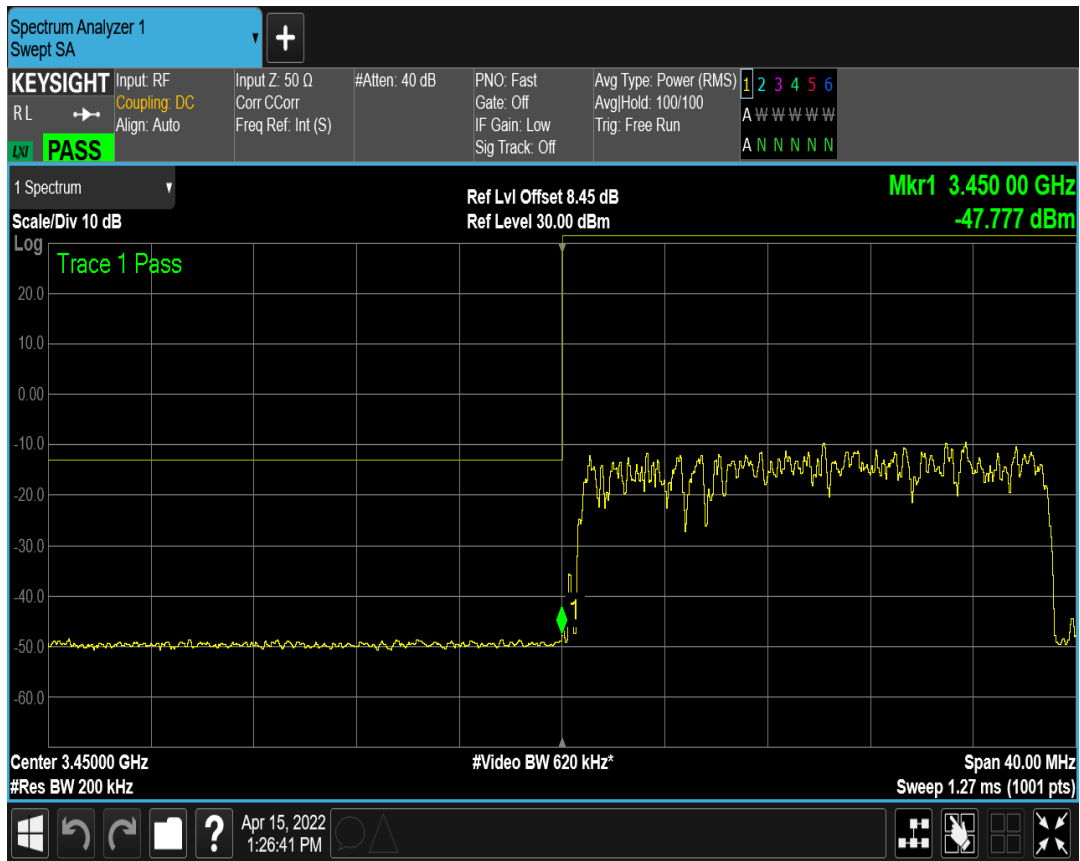
n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=70MHz Channel=633334 RB=180@0



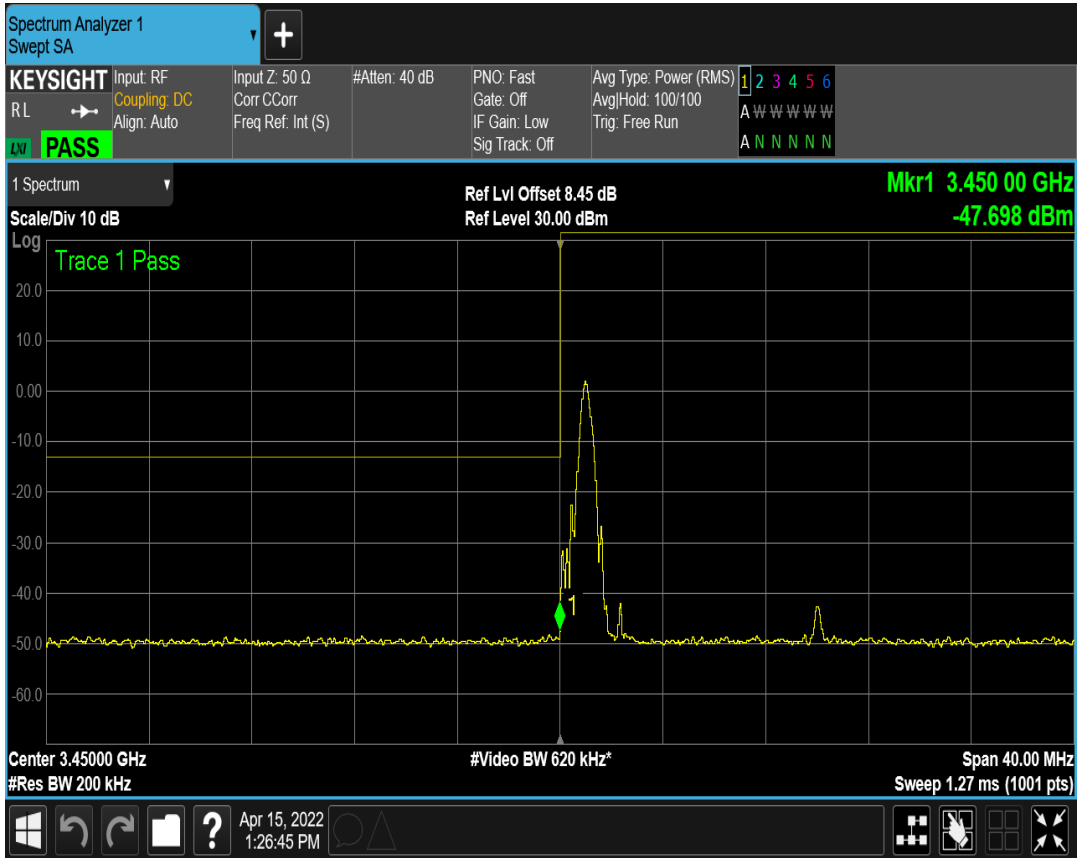
### 5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78(3450-3550)	30	20	630668	50@0	DFT_QPSK	3450.00	-47.77	-13	PASS
n78(3450-3550)	30	20	630668	1@0	DFT_QPSK	3450.00	-47.69	-13	PASS
n78(3450-3550)	30	20	636000	50@0	DFT_QPSK	3553.12	-47.52	-13	PASS
n78(3450-3550)	30	20	636000	1@50	DFT_QPSK	3550.00	-33.35	-13	PASS
n78(3450-3550)	30	100	633334	270@0	DFT_QPSK	3450.00	-32.37	-13	PASS
n78(3450-3550)	30	100	633334	1@0	DFT_QPSK	3449.80	-42.87	-13	PASS

n78(3450-3550) SCS=30kHz DFT\_QPSK BW=20MHz Channel=630668 RB=50@0



n78(3450-3550) SCS=30kHz DFT\_QPSK BW=20MHz Channel=630668 RB=1 @0

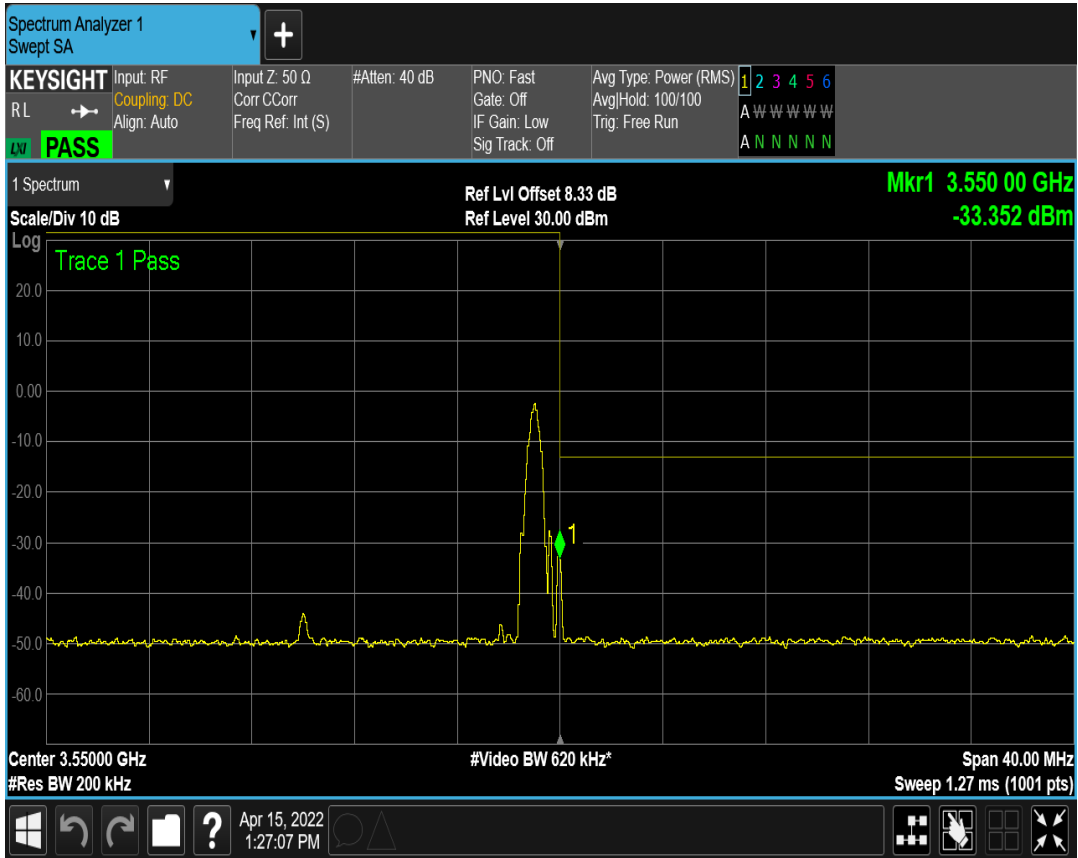


n78(3450-3550) SCS=30kHz DFT\_QPSK BW=20MHz Channel=636000 RB=50@0

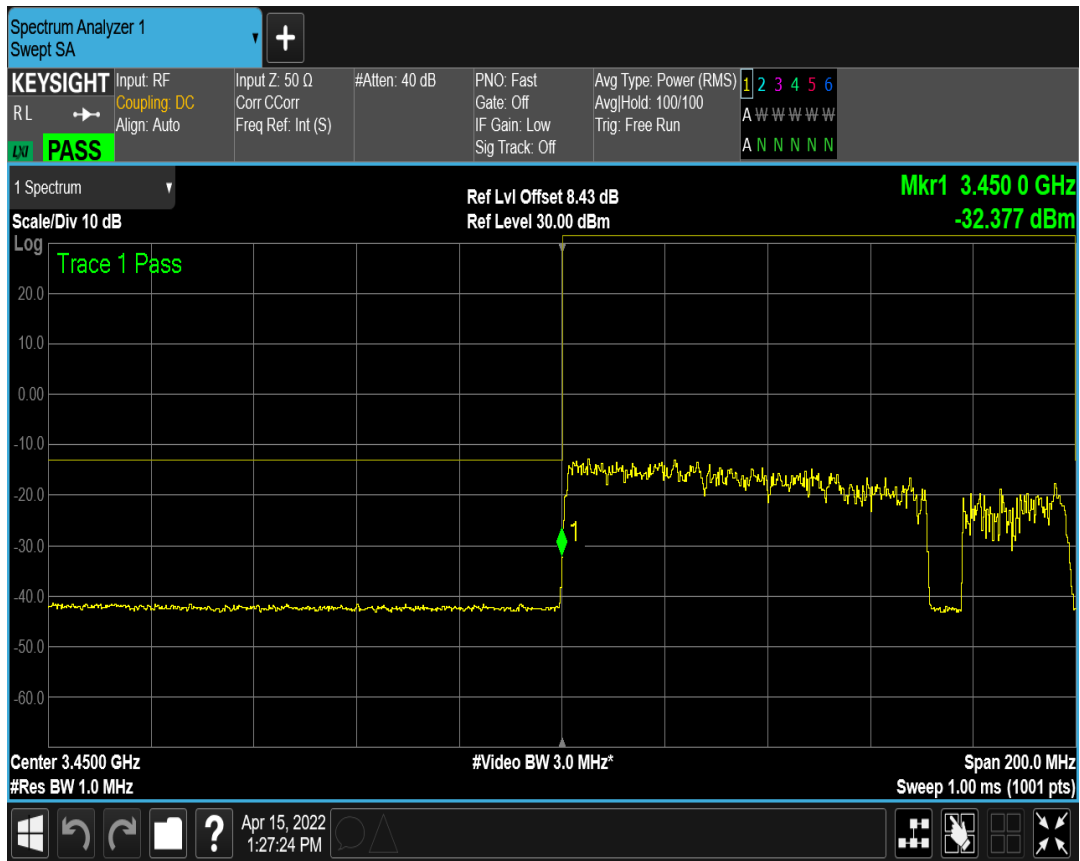




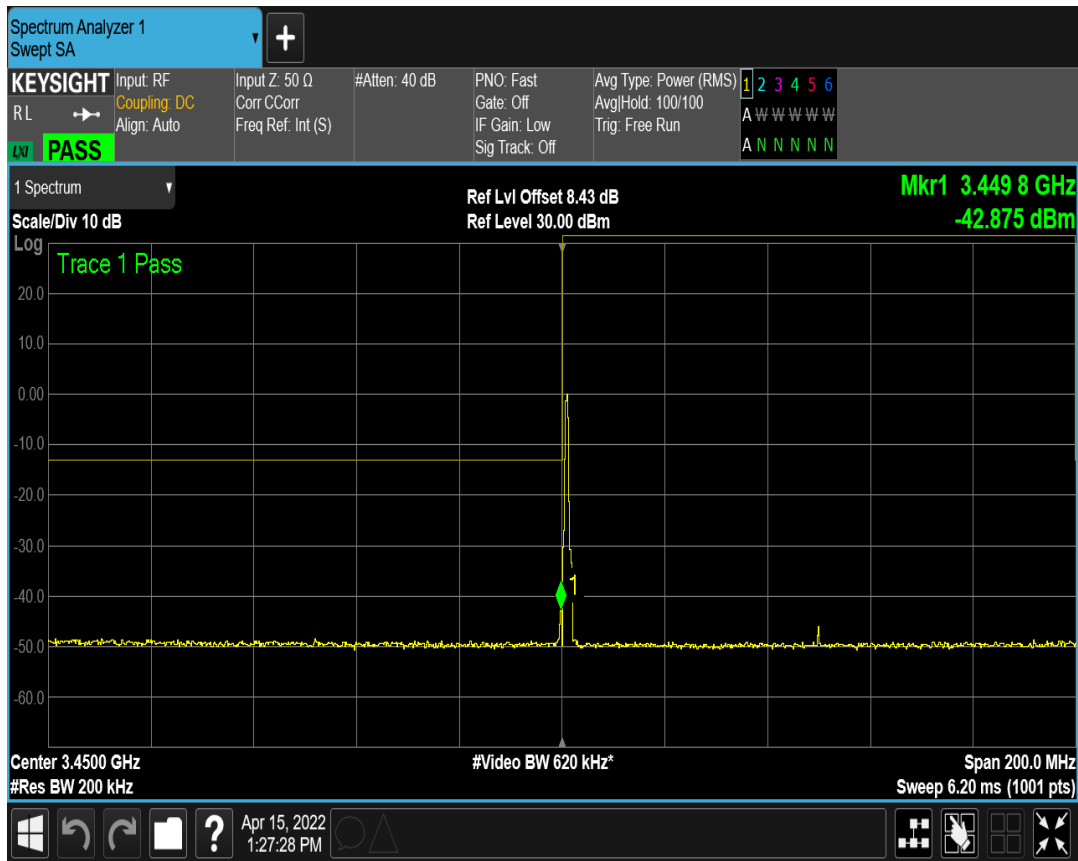
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=20MHz Channel=636000 RB=1 @50



n78(3450-3550) SCS=30kHz DFT\_QPSK BW=100MHz Channel=633334 RB=270@0



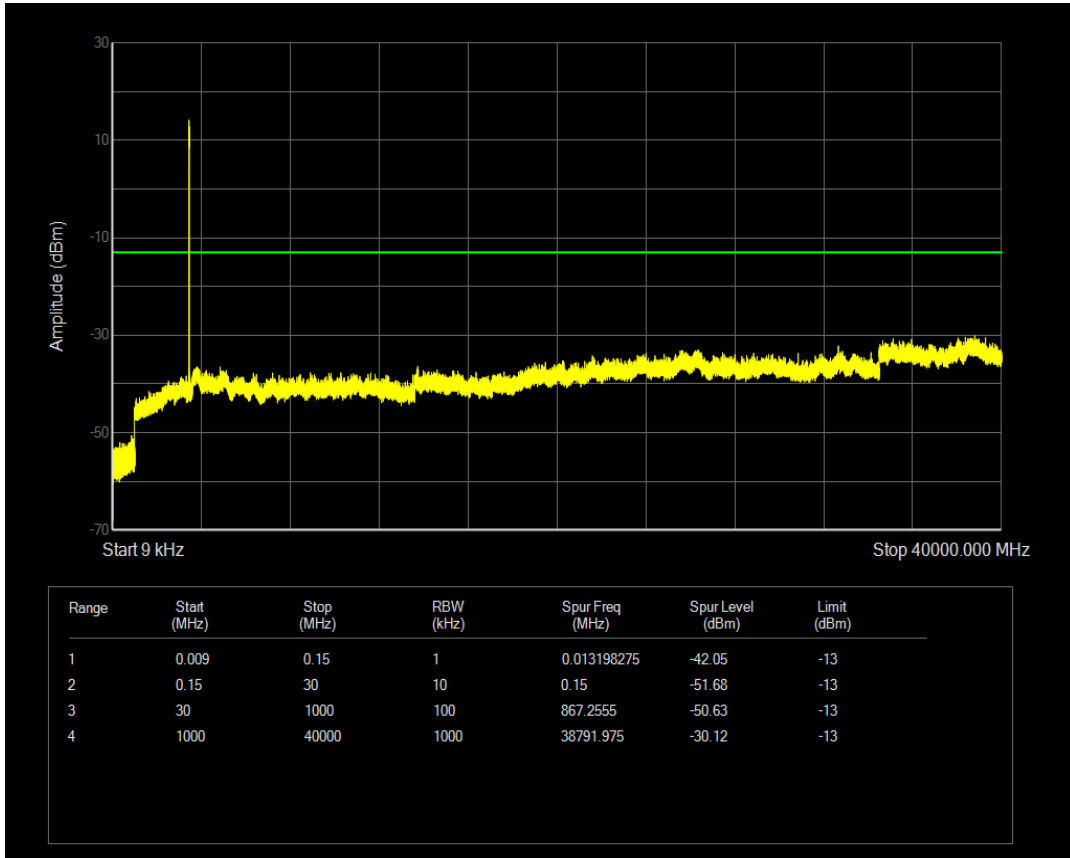
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=100MHz Channel=633334 RB=1@0



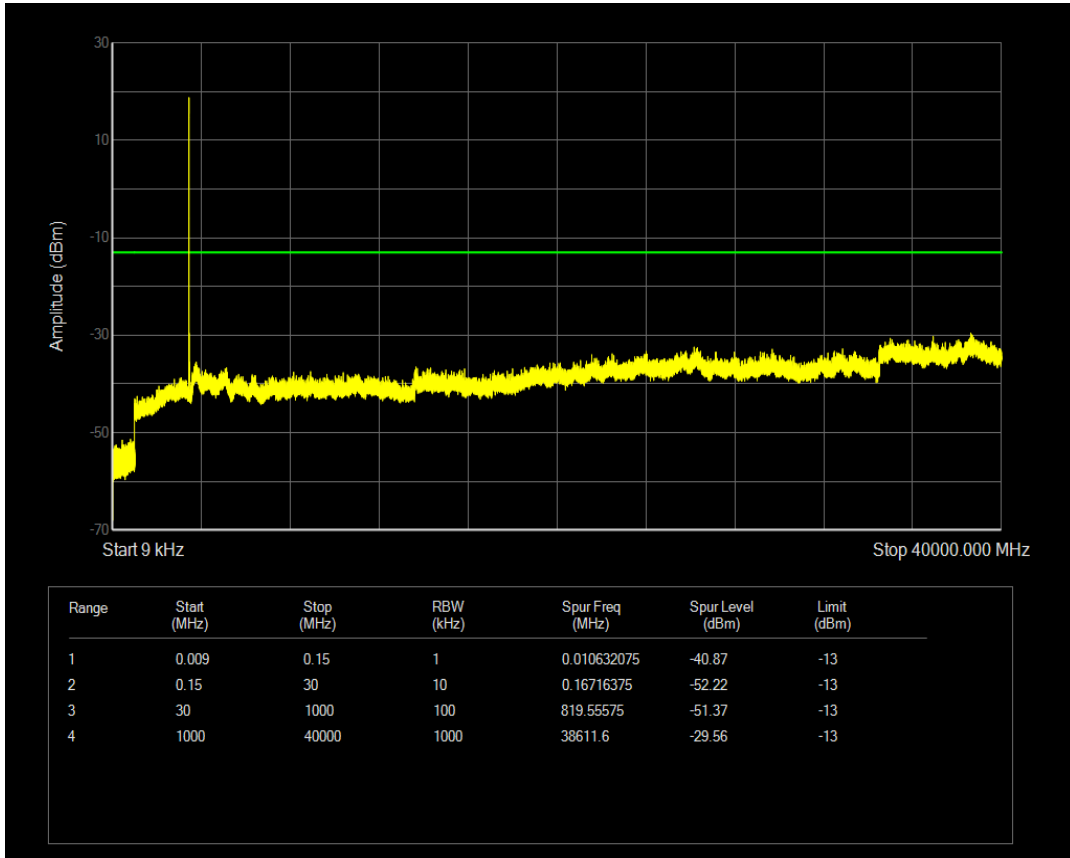
**6 Out-of-band emissions for NR FR1**

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n78(3450-3550)	30	20	630668	50@0	DFT_QPSK	38791.98	-30.12	-13	PASS
n78(3450-3550)	30	20	630668	1@0	DFT_QPSK	38611.60	-29.56	-13	PASS
n78(3450-3550)	30	20	630668	1@50	DFT_QPSK	38156.28	-29.43	-13	PASS
n78(3450-3550)	30	20	633334	50@0	DFT_QPSK	38945.05	-30.05	-13	PASS
n78(3450-3550)	30	20	633334	1@0	DFT_QPSK	38654.50	-30.01	-13	PASS
n78(3450-3550)	30	20	633334	1@50	DFT_QPSK	38593.08	-29.82	-13	PASS
n78(3450-3550)	30	20	636000	50@0	DFT_QPSK	38853.40	-29.81	-13	PASS
n78(3450-3550)	30	20	636000	1@0	DFT_QPSK	38143.60	-29.66	-13	PASS
n78(3450-3550)	30	20	636000	1@50	DFT_QPSK	38627.20	-30.17	-13	PASS
n78(3450-3550)	30	100	633334	270@0	DFT_QPSK	38504.35	-28.91	-13	PASS
n78(3450-3550)	30	100	633334	1@0	DFT_QPSK	38891.43	-29.97	-13	PASS
n78(3450-3550)	30	100	633334	1@272	DFT_QPSK	38552.13	-30.19	-13	PASS

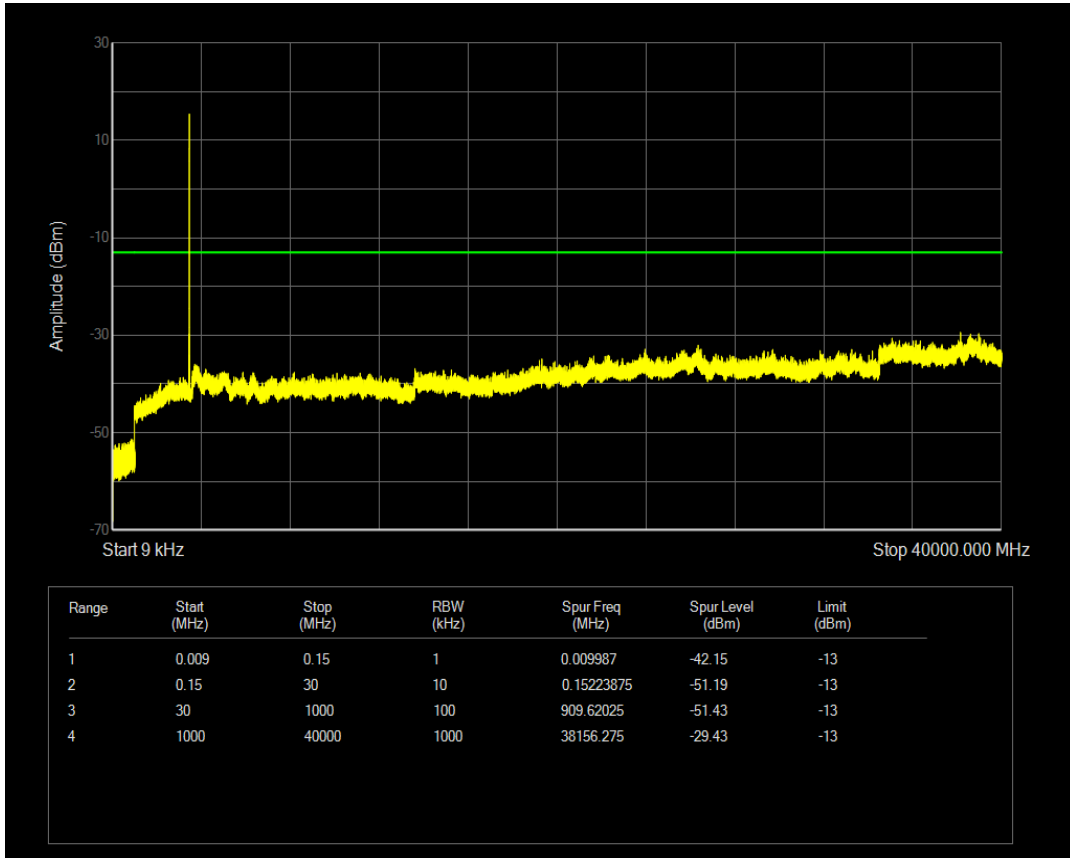
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=20MHz Channel=630668 RB=50@0



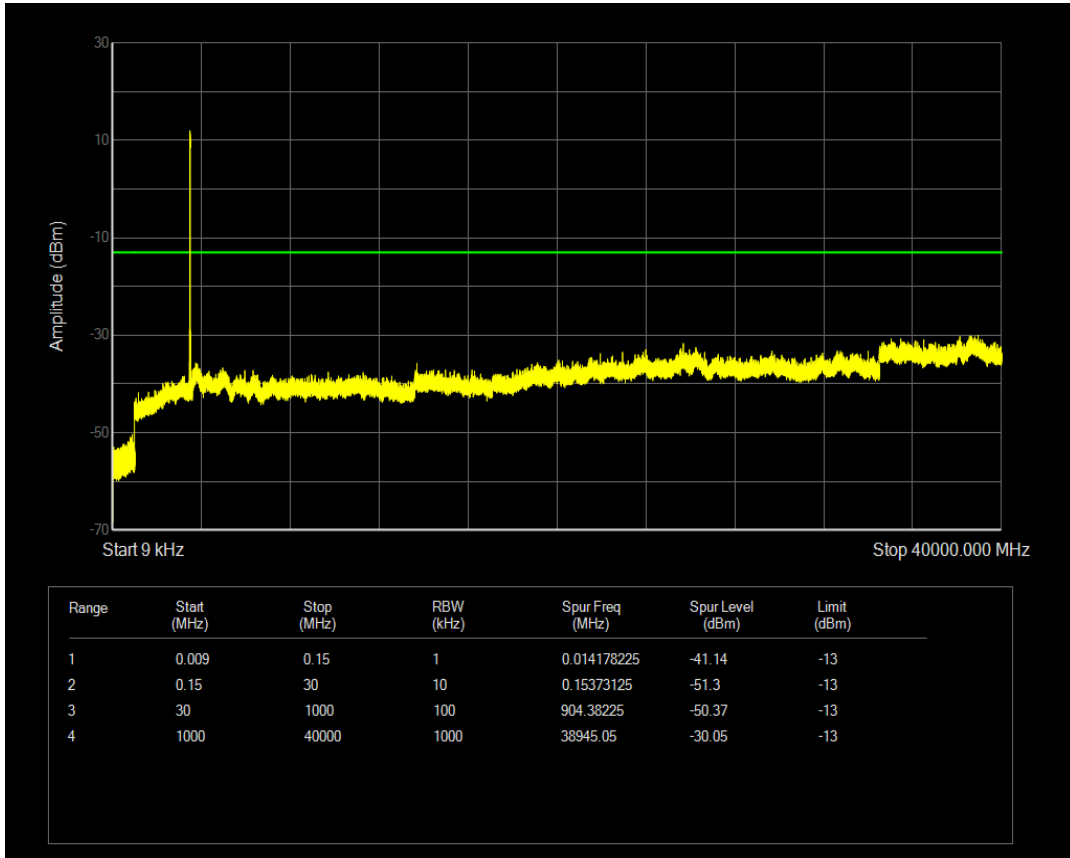
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=20MHz Channel=630668 RB=1 @0



n78(3450-3550) SCS=30kHz DFT\_QPSK BW=20MHz Channel=630668 RB=1@50

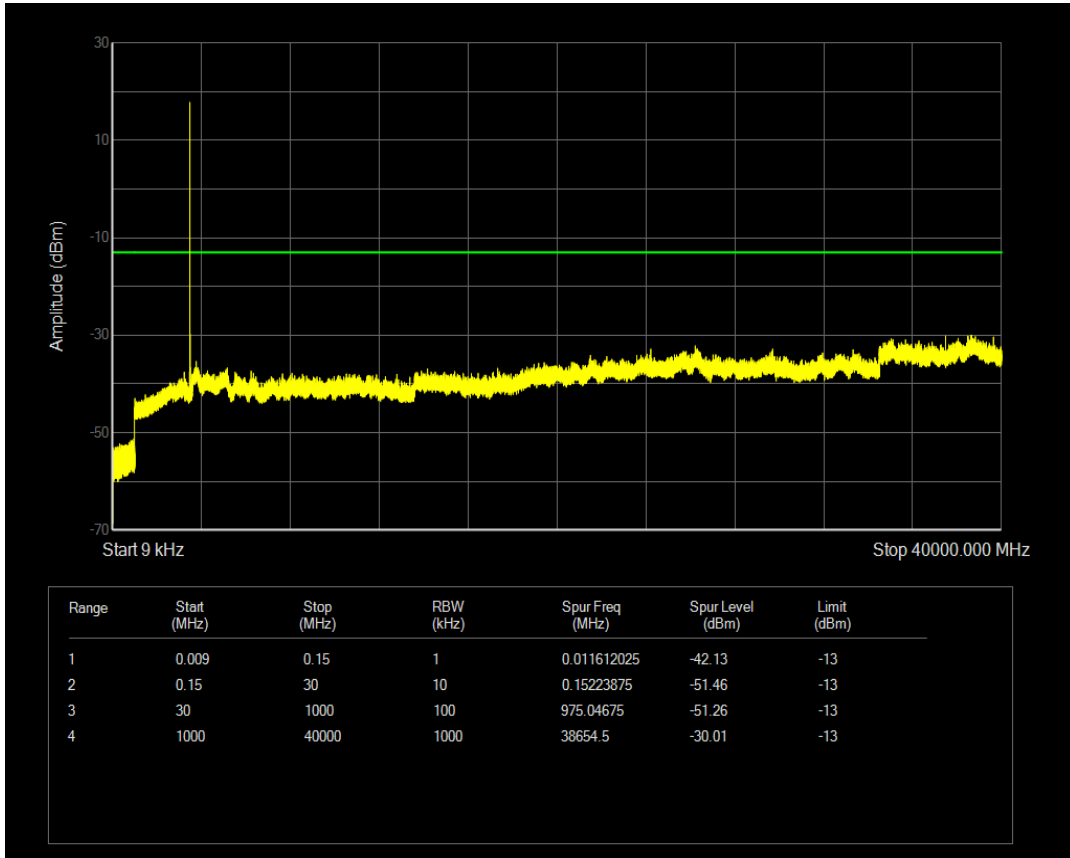


n78(3450-3550) SCS=30kHz DFT\_QPSK BW=20MHz Channel=633334 RB=50@0

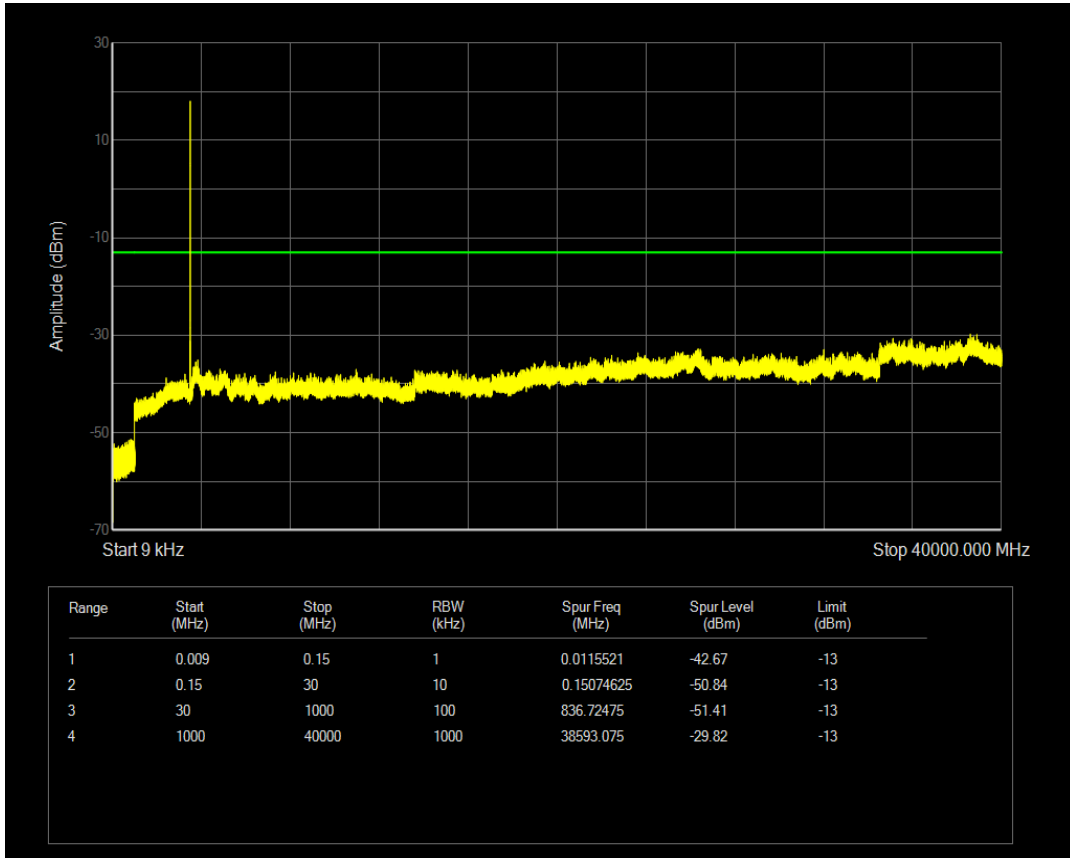


n78(3450-3550) SCS=30kHz DFT\_QPSK BW=20MHz Channel=633334 RB=1 @0

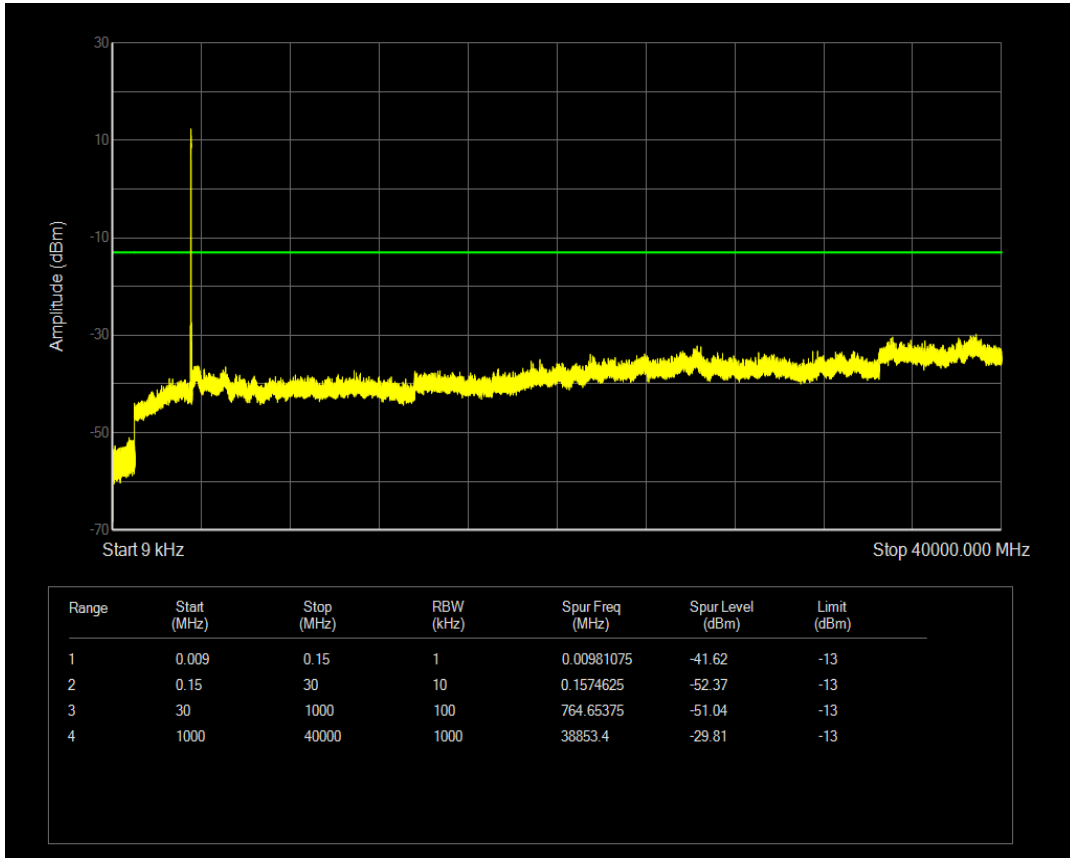




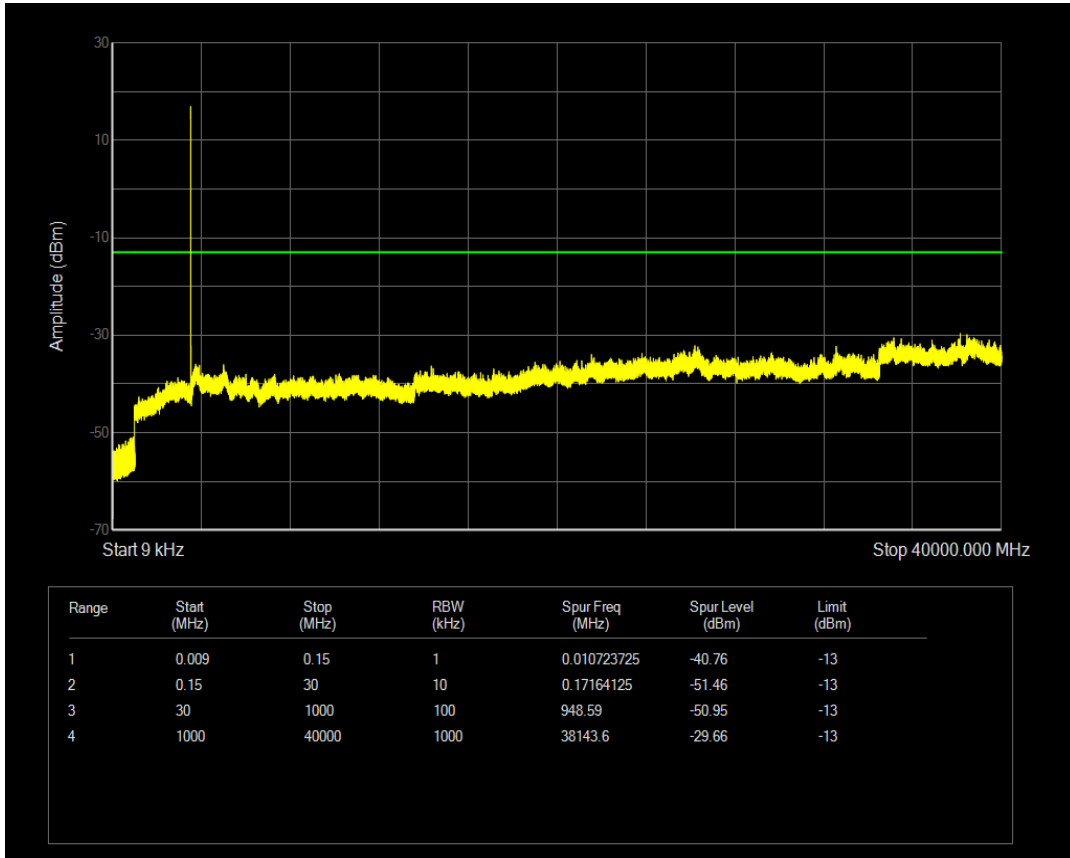
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=20MHz Channel=633334 RB=1 @50



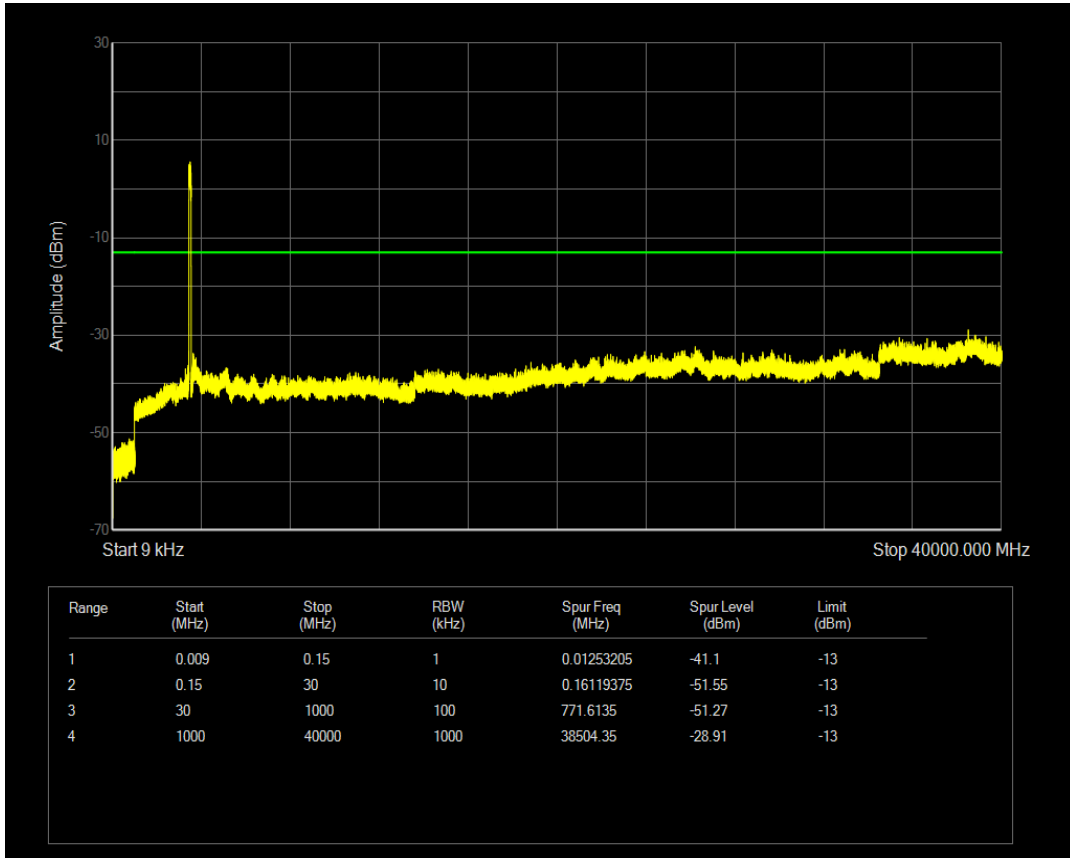
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=20MHz Channel=636000 RB=50@0



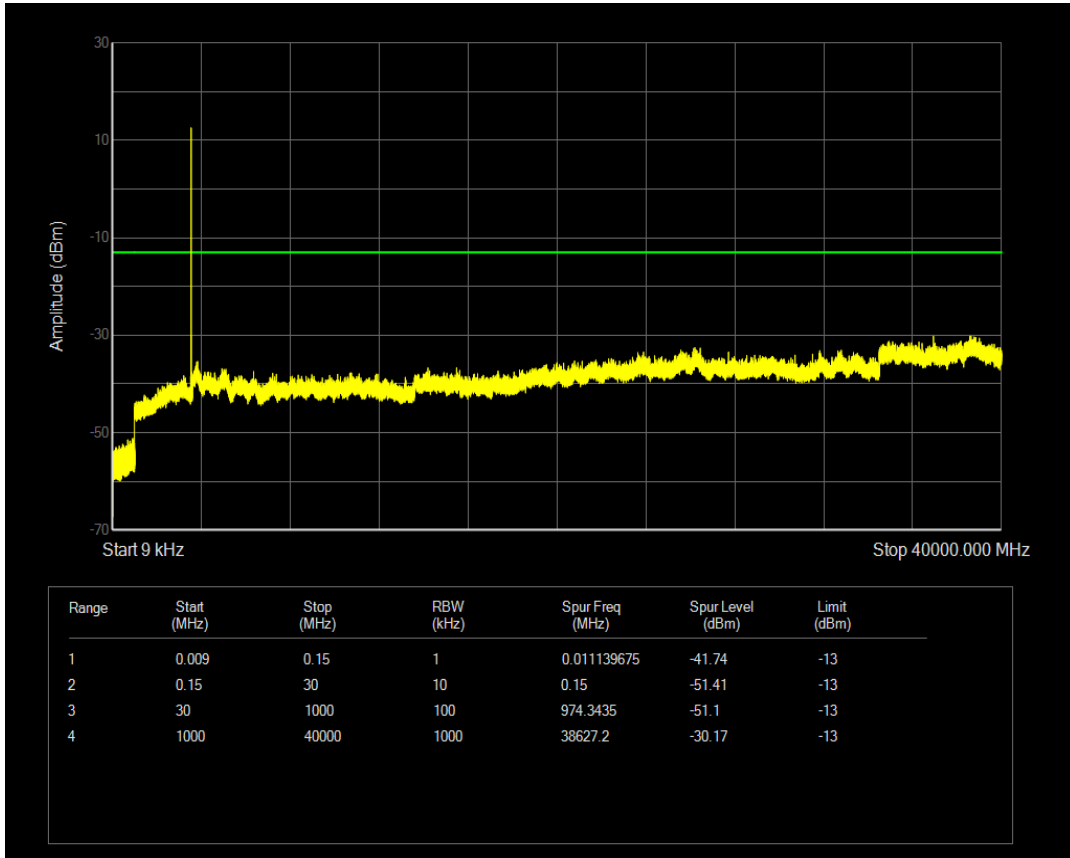
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=20MHz Channel=636000 RB=1 @0



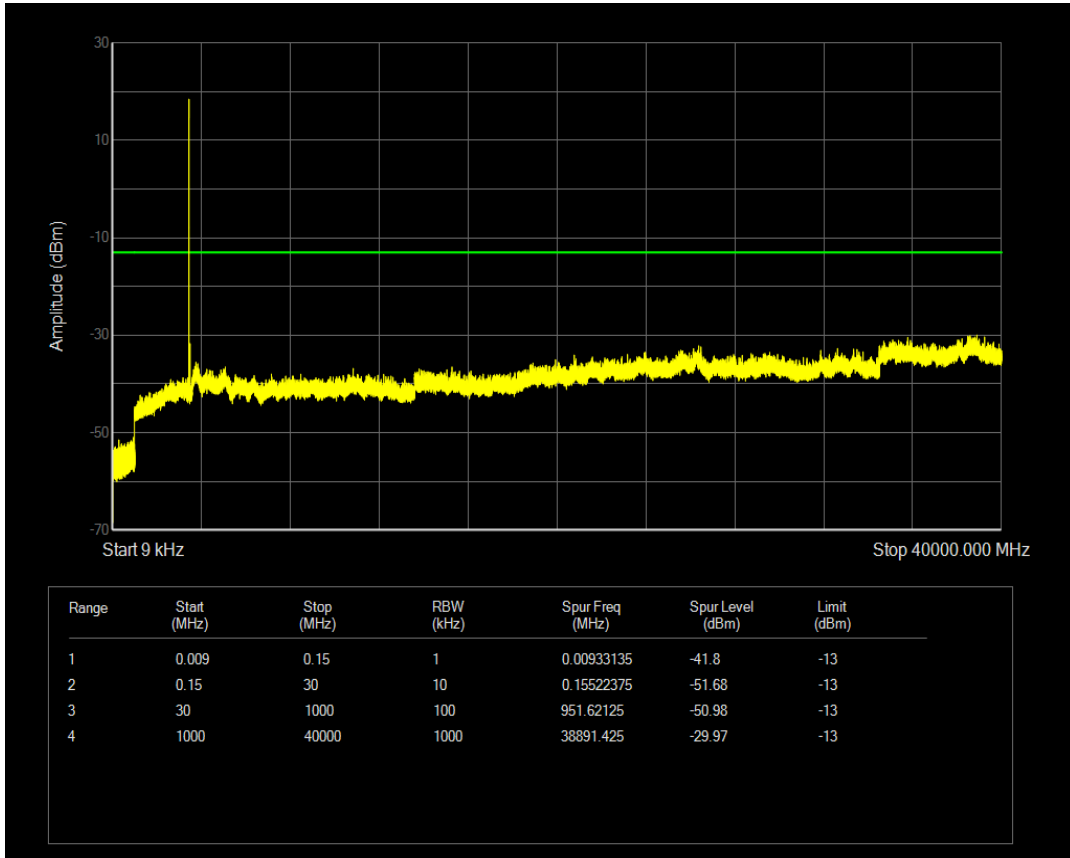
n78(3450-3550) SCS=30kHz DFT\_QPSK BW=100MHz Channel=633334 RB=270@0



n78(3450-3550) SCS=30kHz DFT\_QPSK BW=20MHz Channel=636000 RB=1@50



n78(3450-3550) SCS=30kHz DFT\_QPSK BW=100MHz Channel=633334 RB=1@0



n78(3450-3550) SCS=30kHz DFT\_QPSK BW=100MHz Channel=633334 RB=1@272

