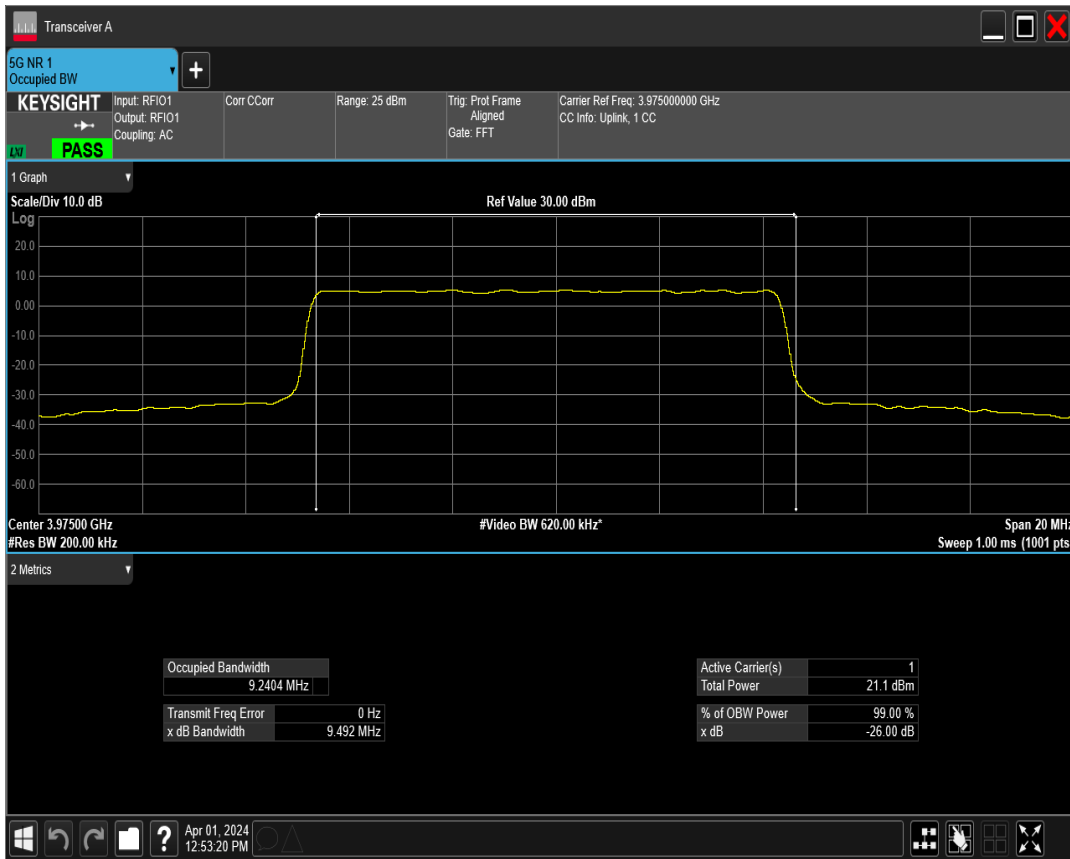
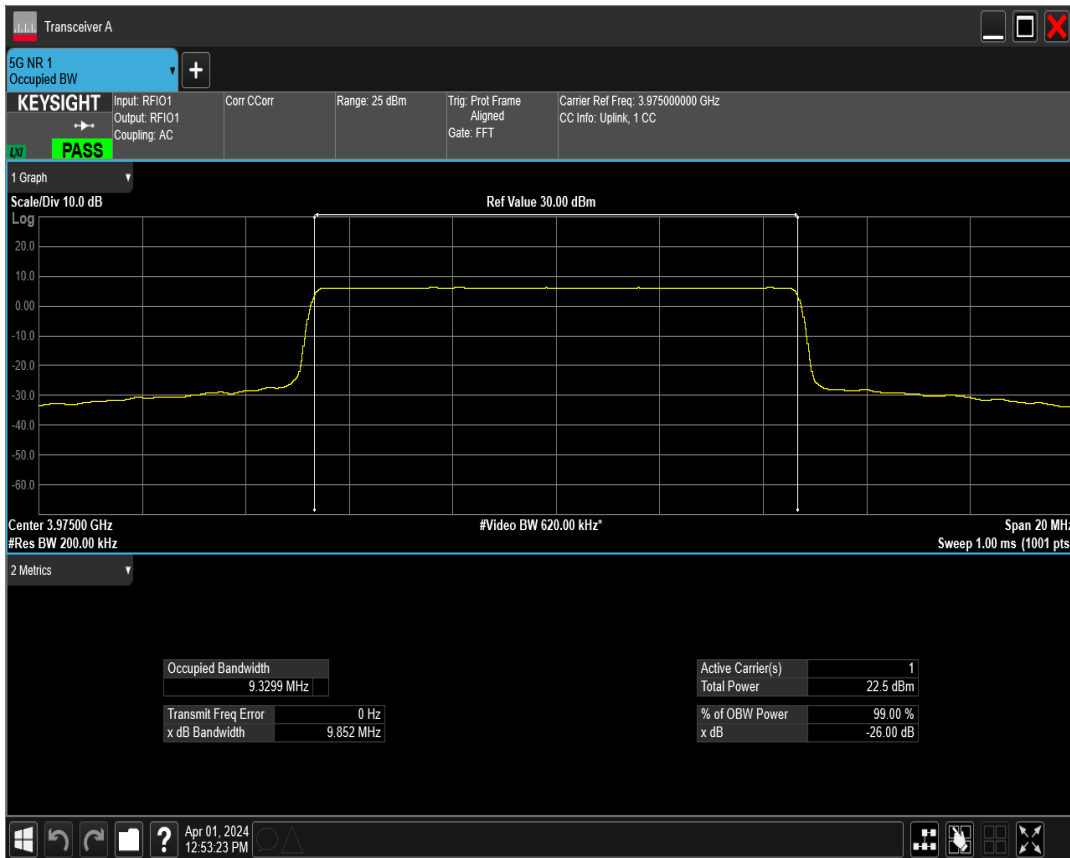


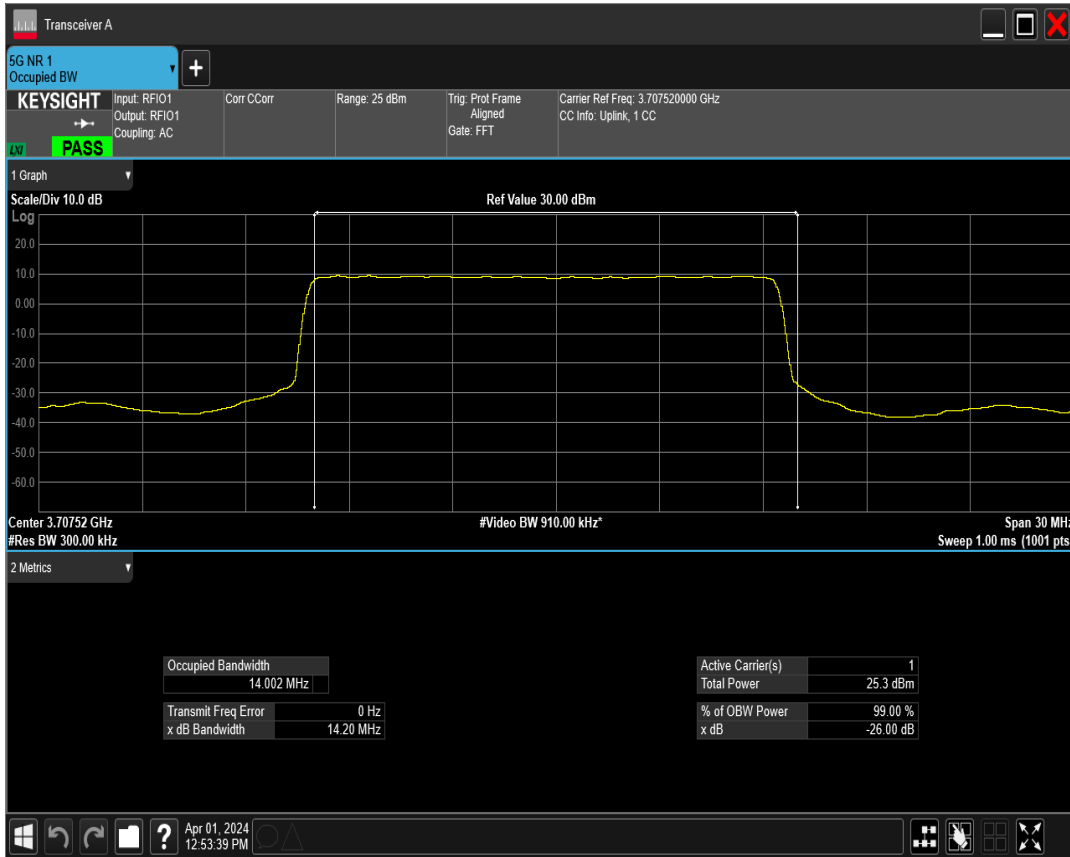
n77(3700-3980) SCS=15kHz DFT\_QAM256 BW=10MHz Channel=665000 RB=50@0



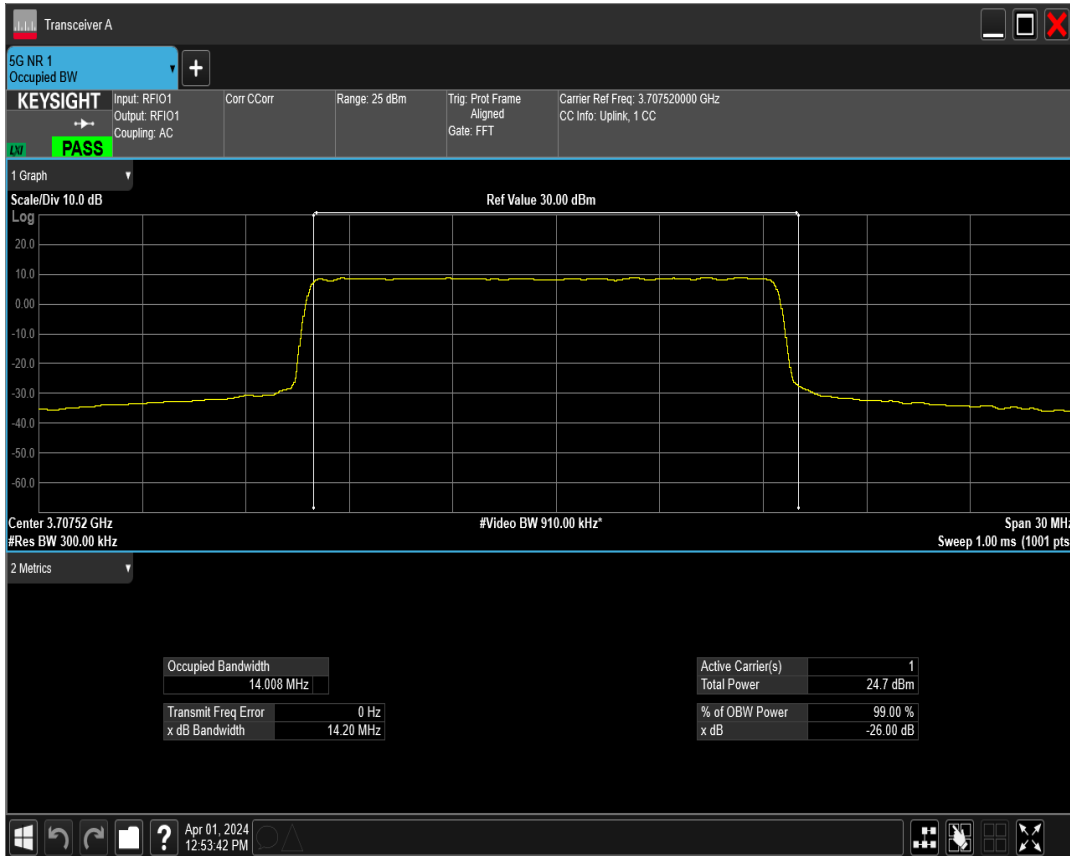
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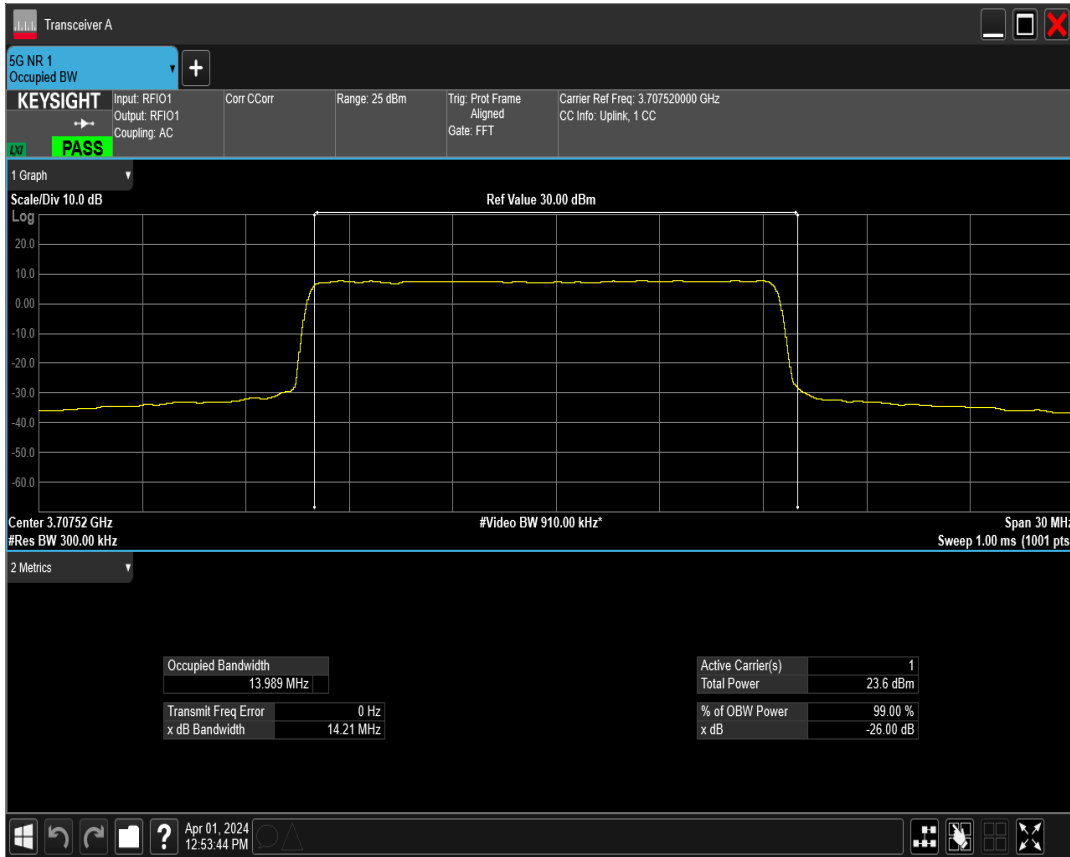
n77(3700-3980) SCS=15kHz DFT\_BPSK BW=15MHz Channel=647168 RB=75@0



n77(3700-3980) SCS=15kHz DFT\_QPSK BW=15MHz Channel=647168 RB=75@0



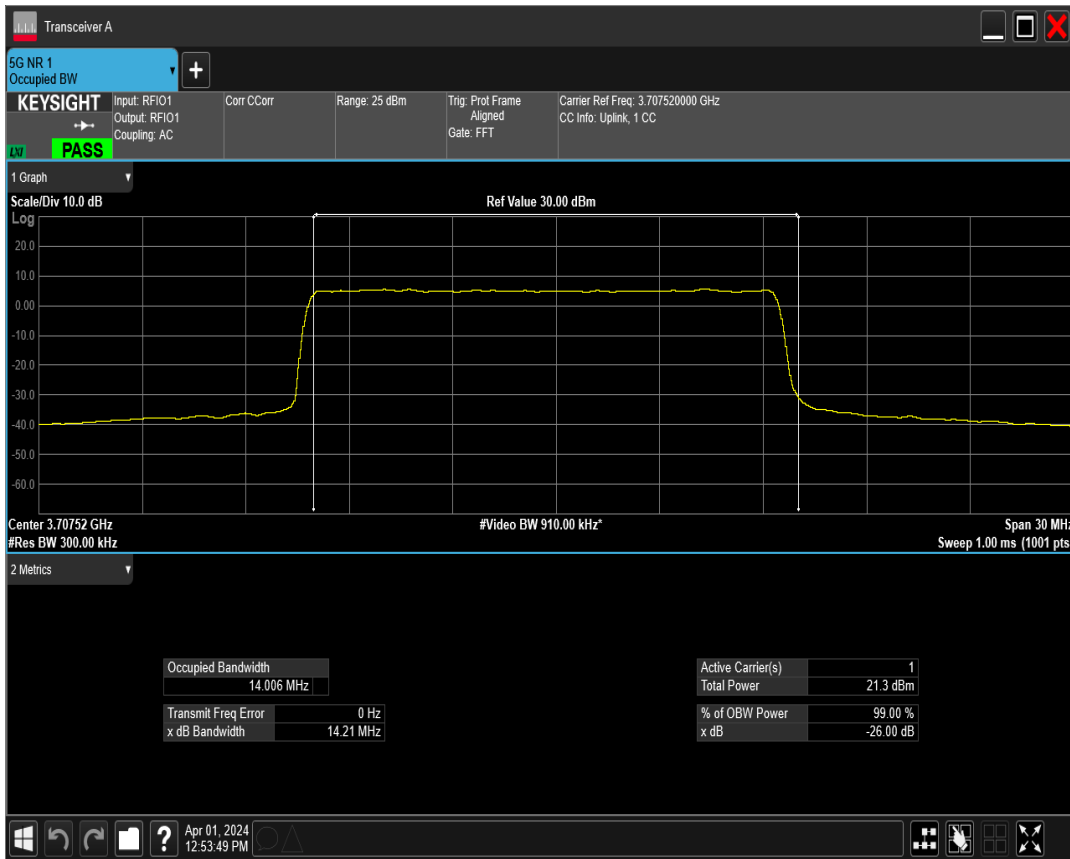
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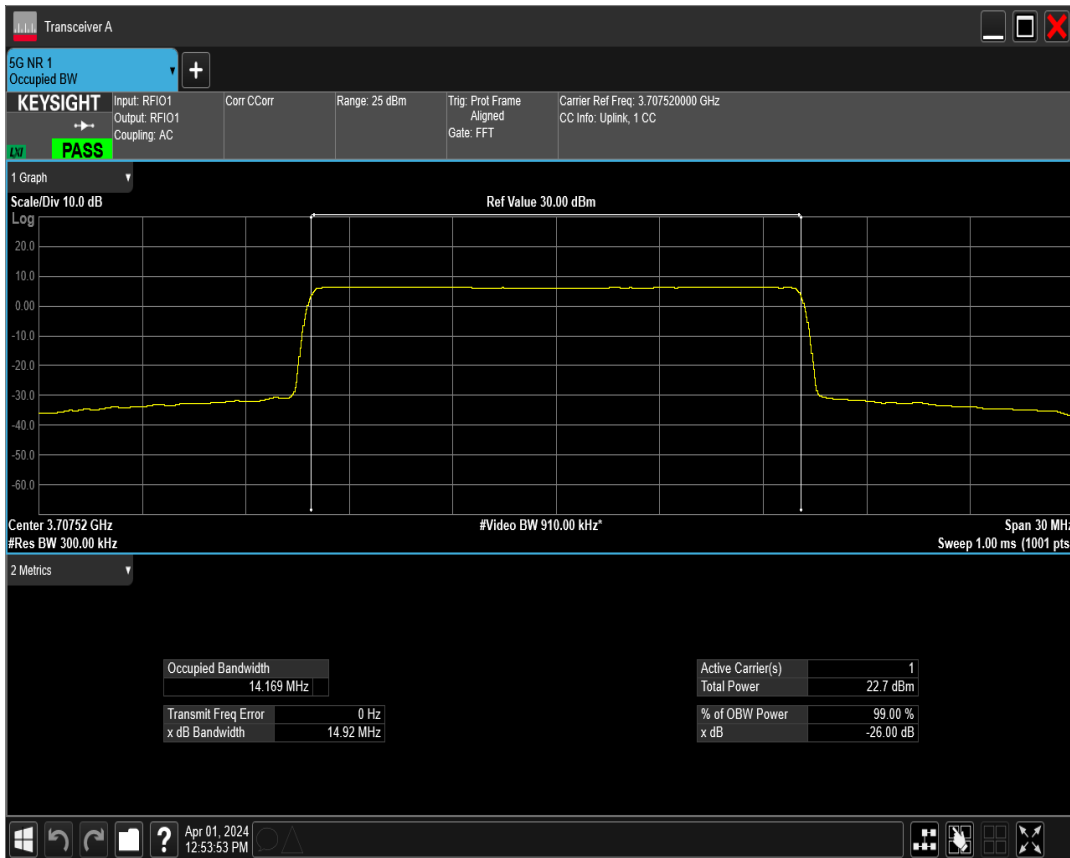
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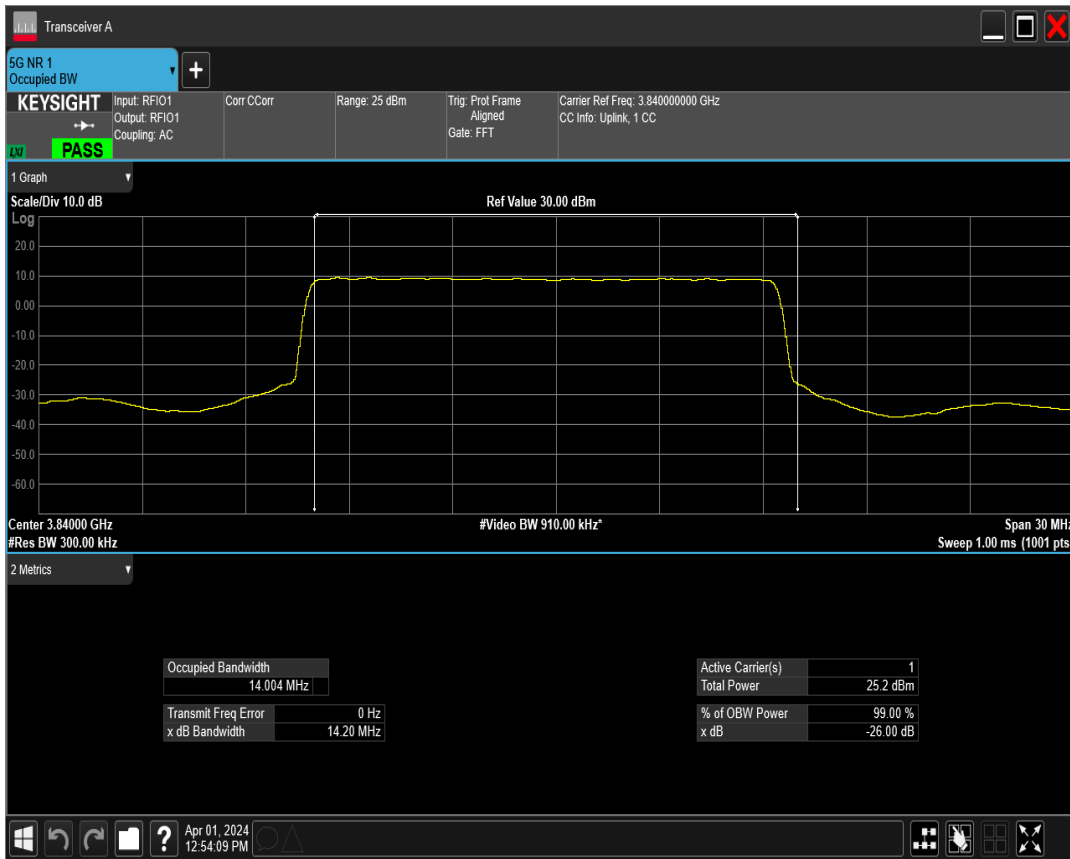
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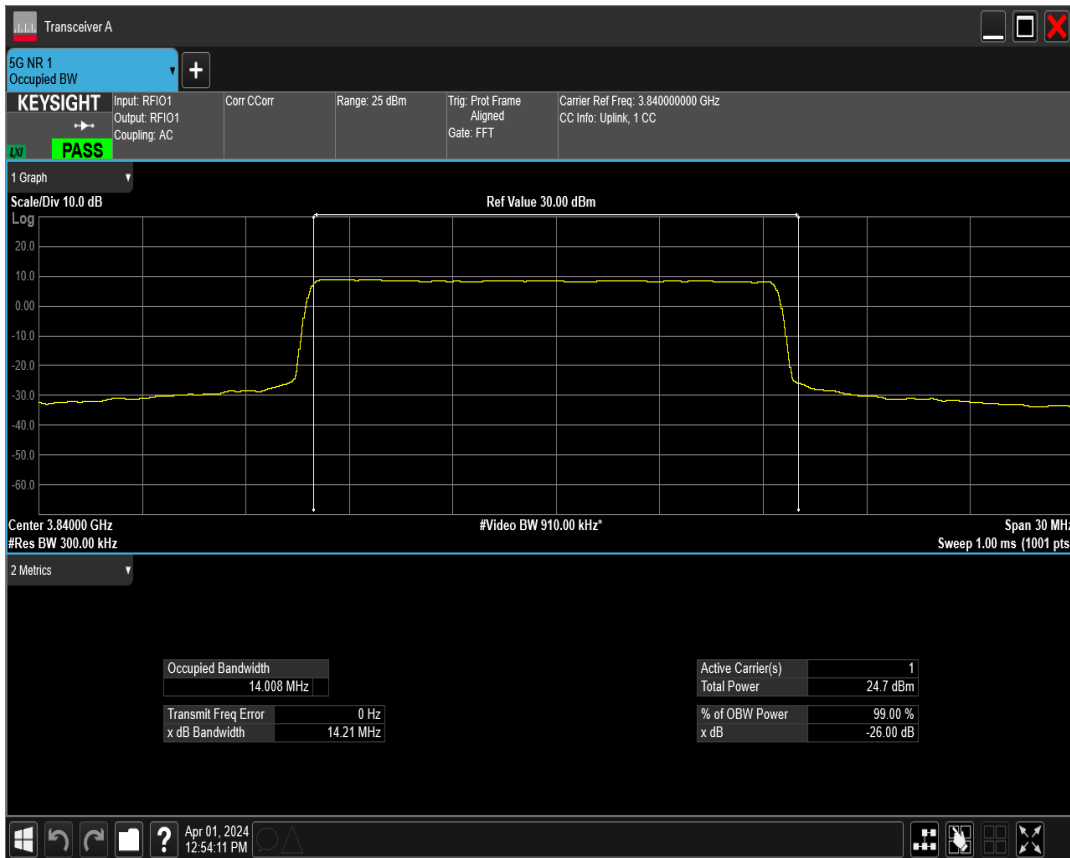
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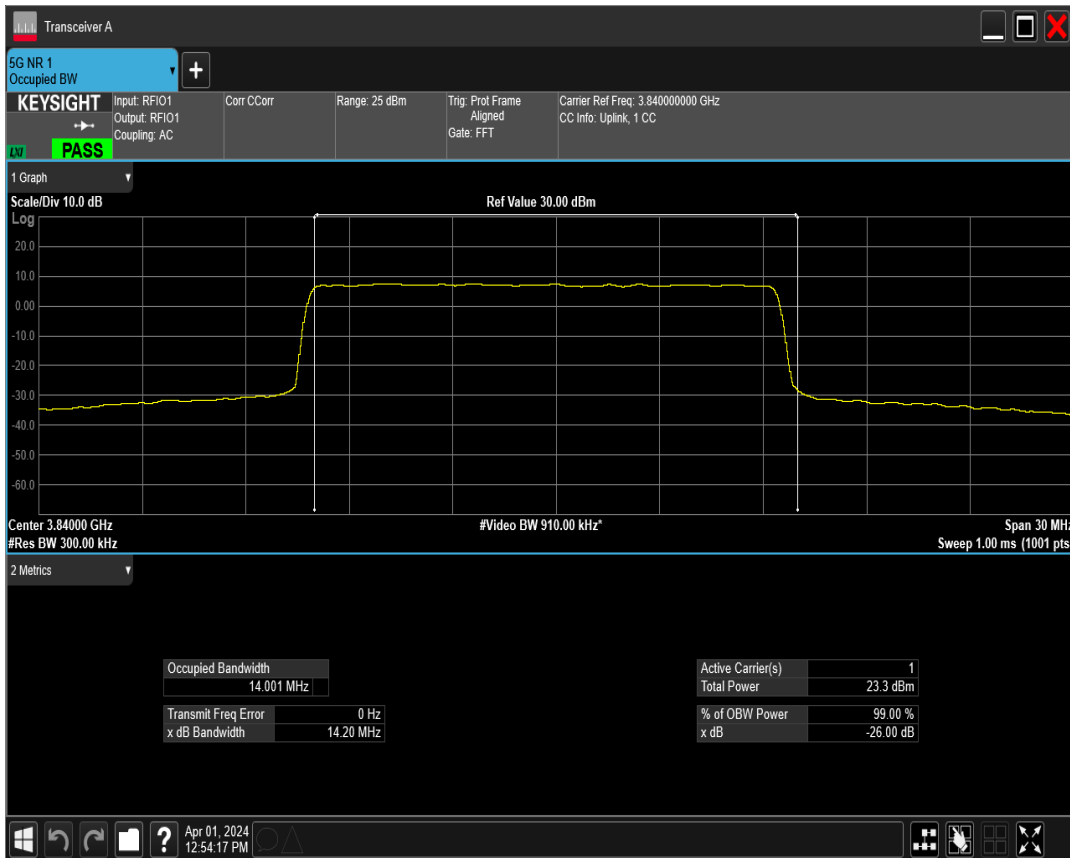
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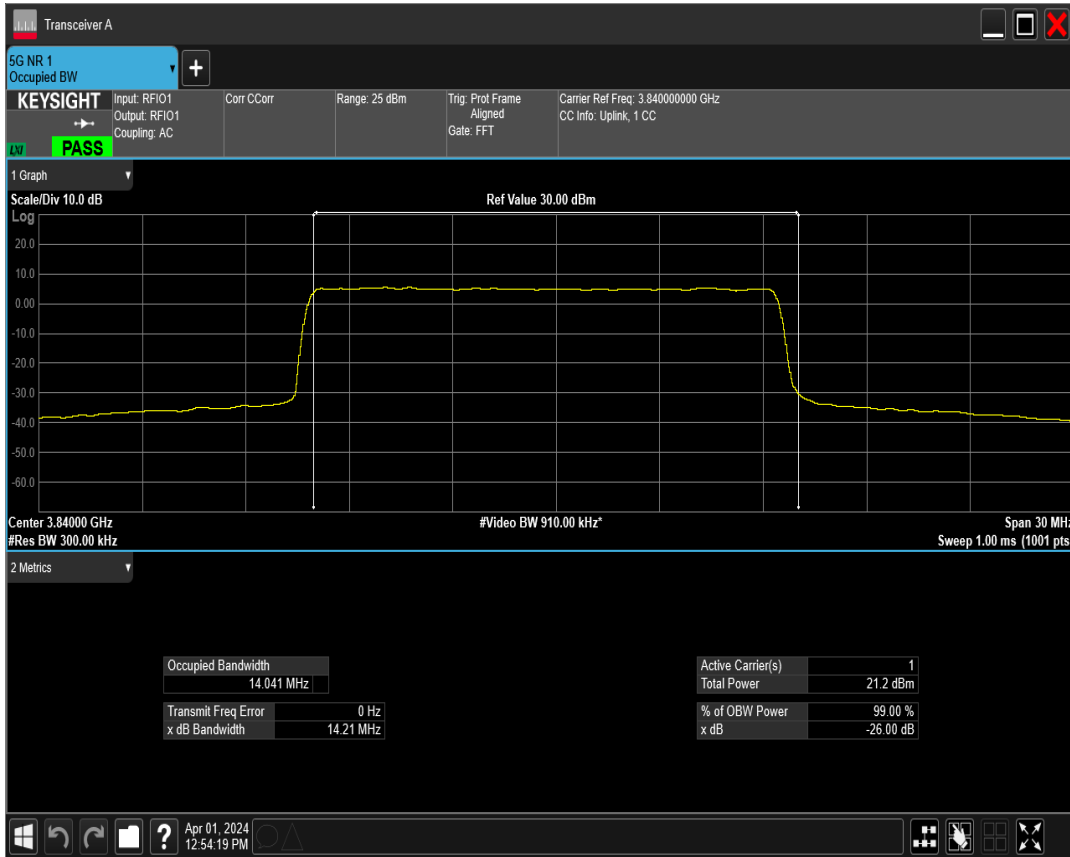
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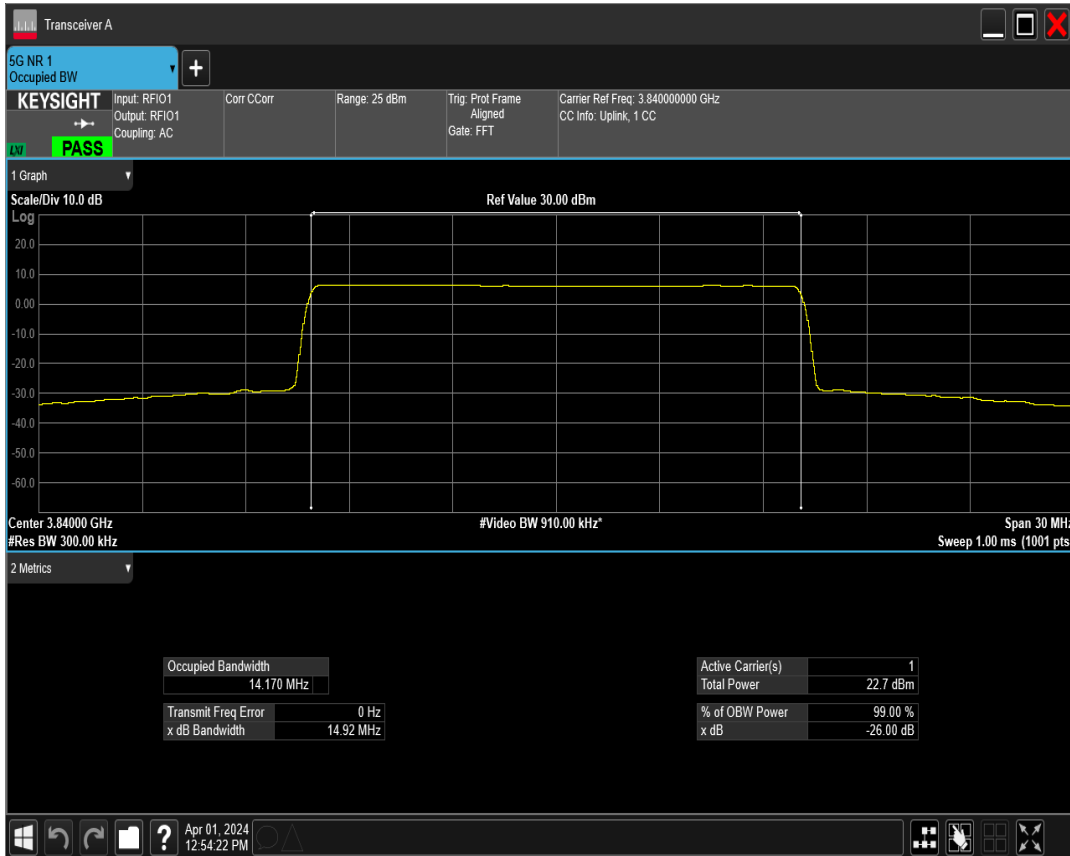
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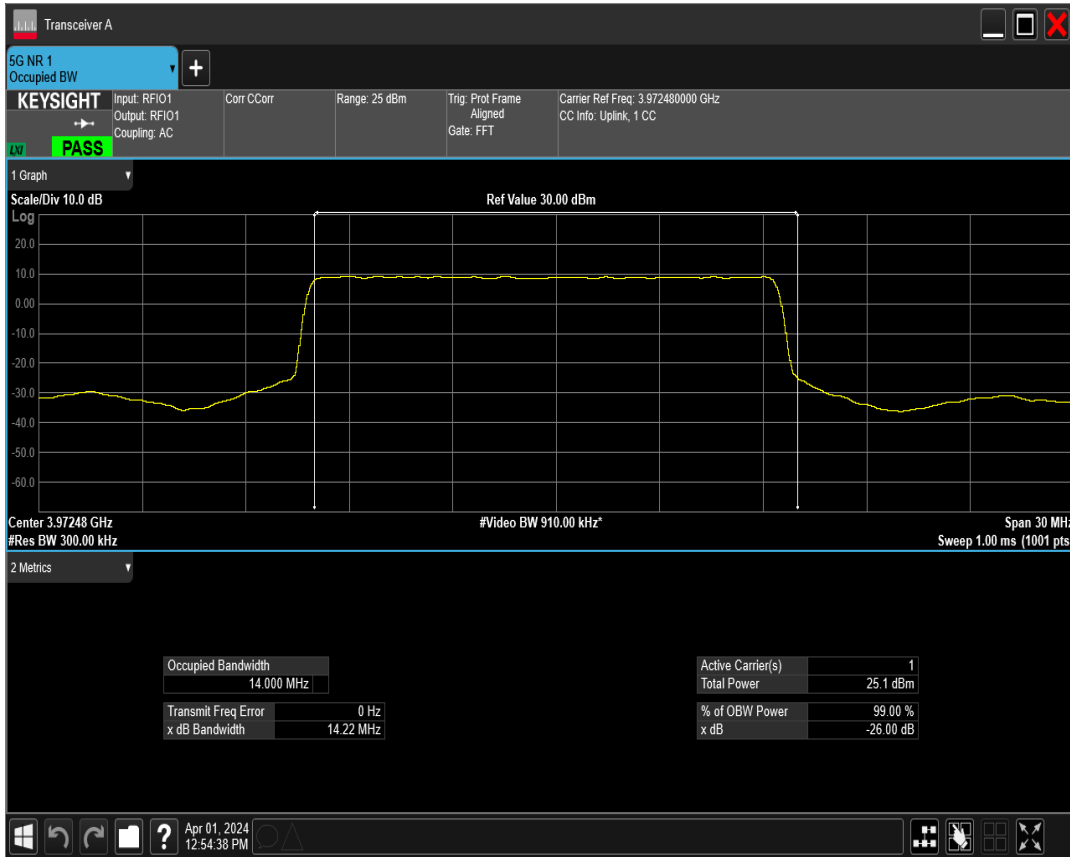
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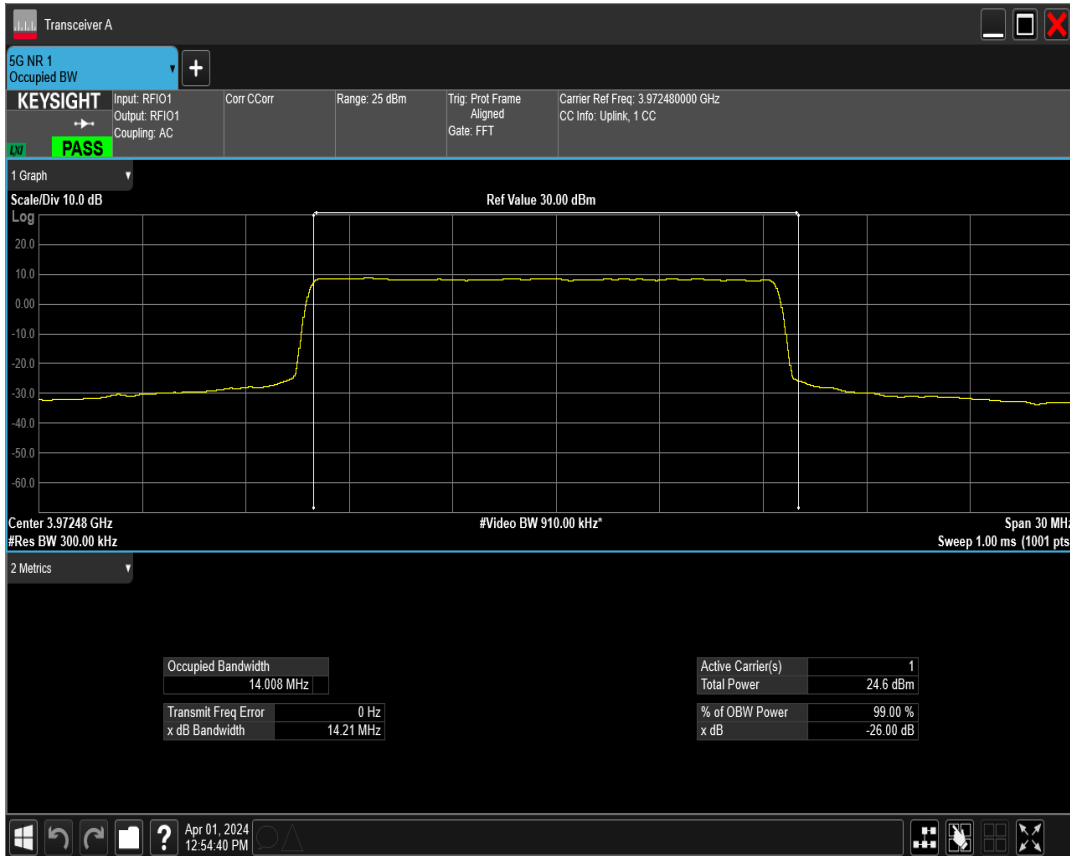
n77(3700-3980) SCS=15kHz CP\_QPSK BW=15MHz Channel=656000 RB=79@0



n77(3700-3980) SCS=15kHz DFT\_BPSK BW=15MHz Channel=664832 RB=75@0

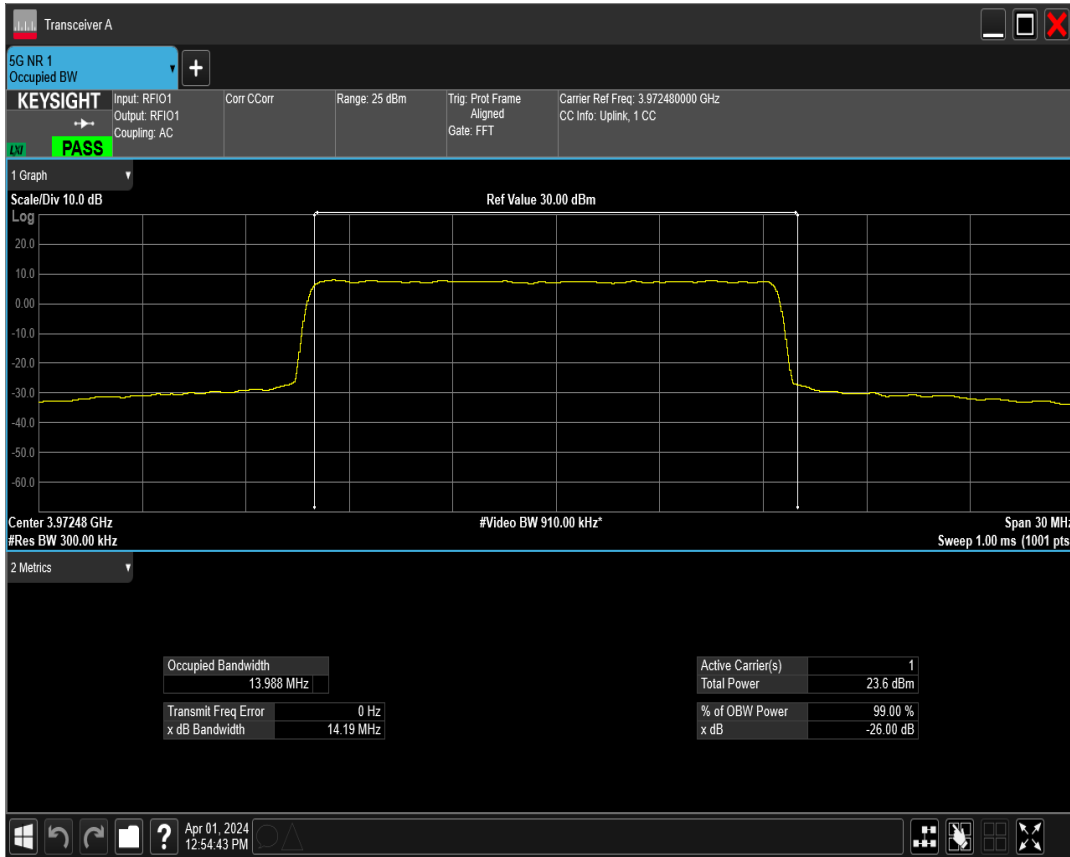


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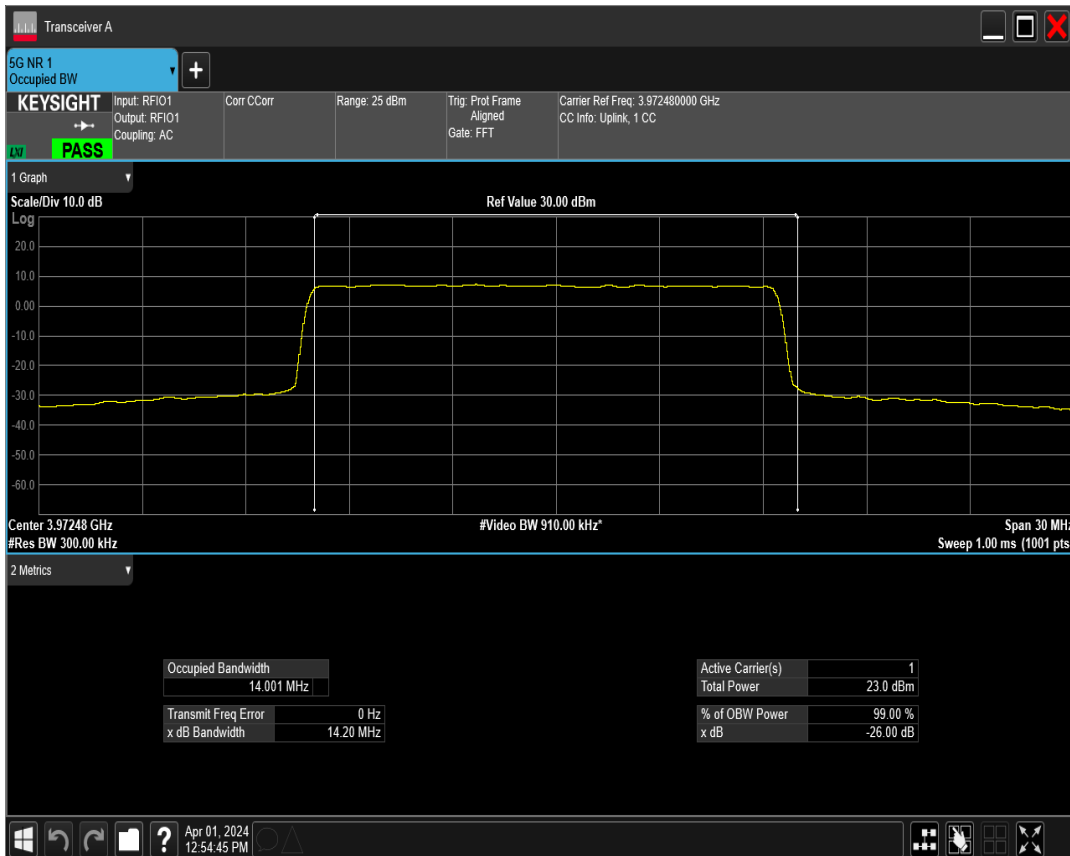




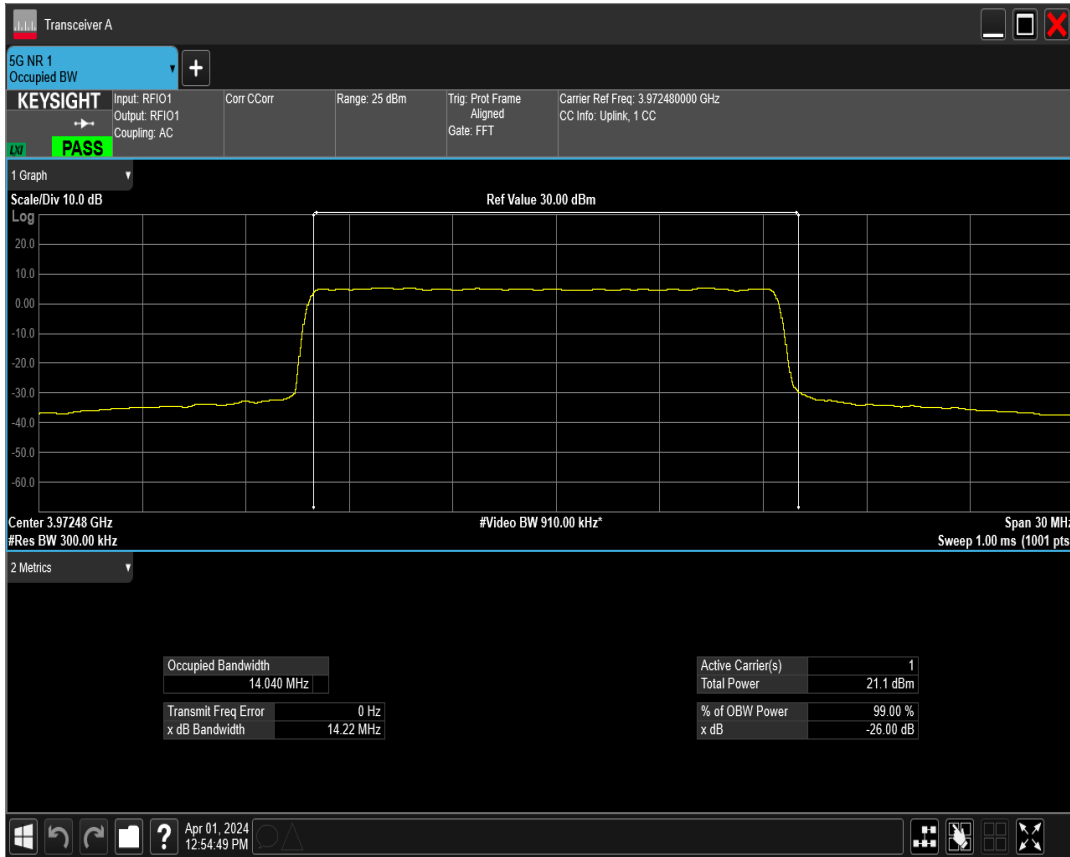
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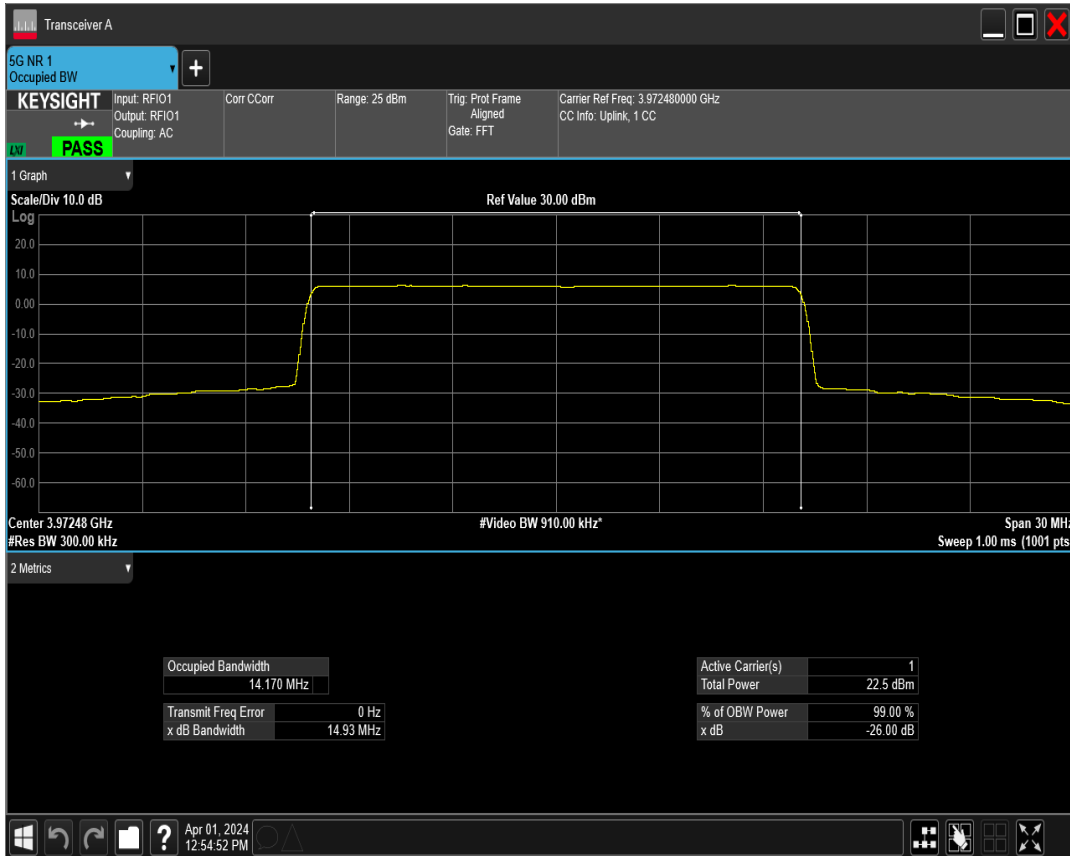
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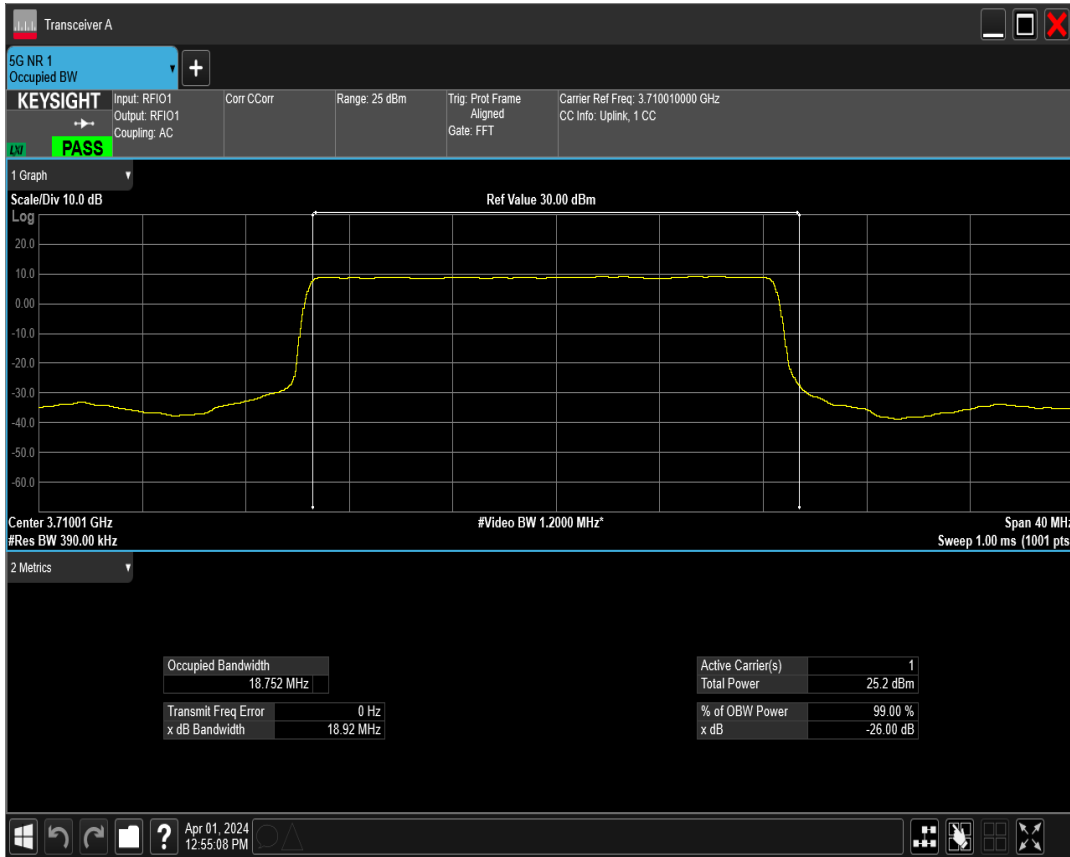
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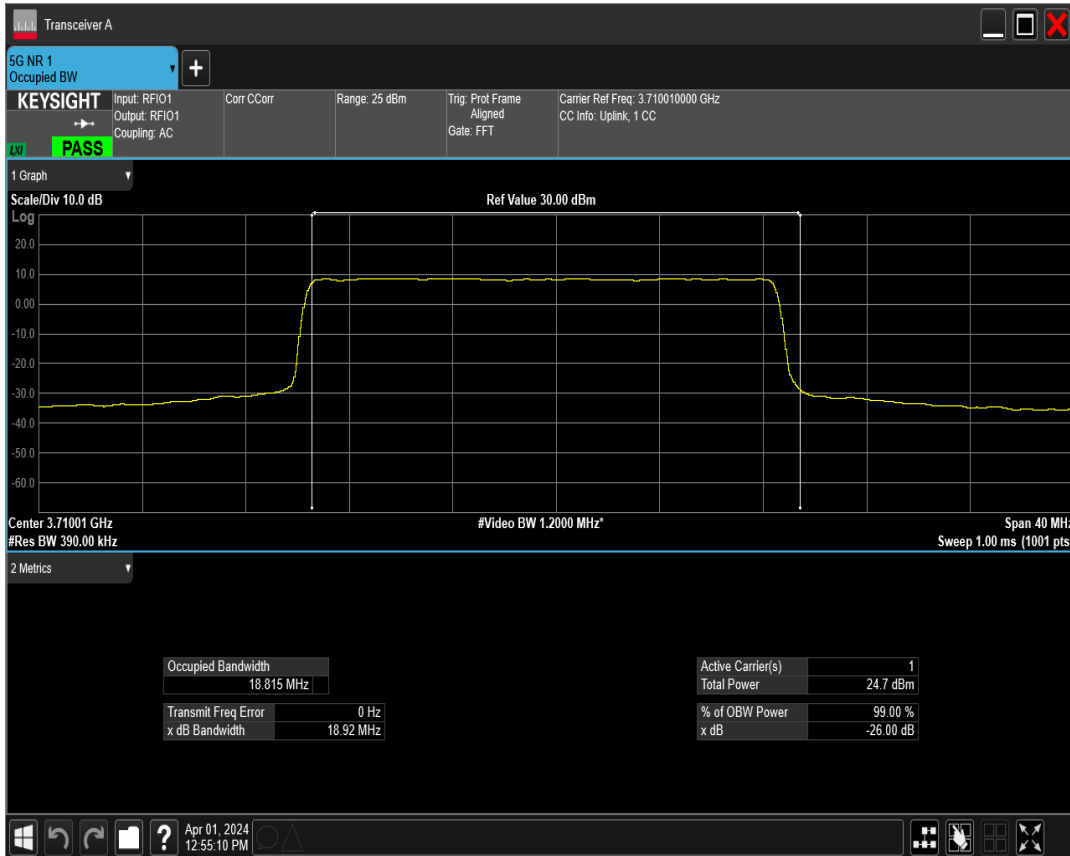
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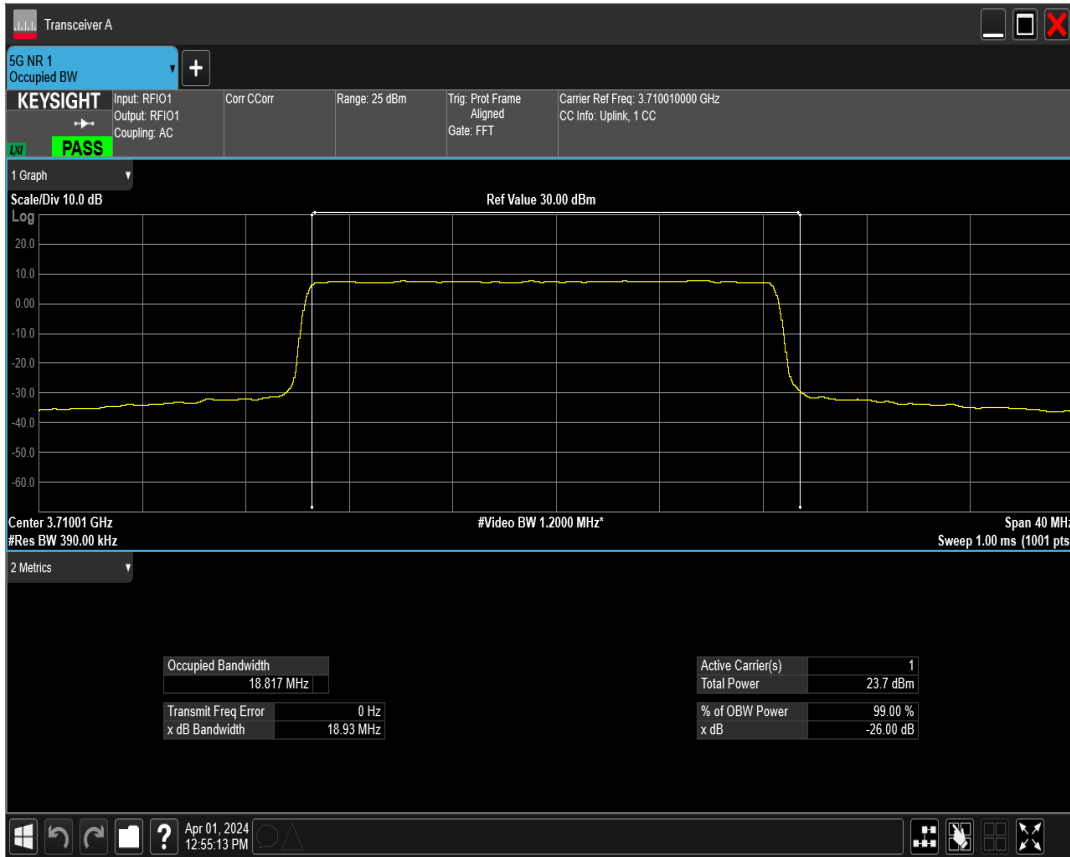
n77(3700-3980) SCS=15kHz DFT\_BPSK BW=20MHz Channel=647334 RB=100@0



n77(3700-3980) SCS=15kHz DFT\_QPSK BW=20MHz Channel=647334 RB=100@0



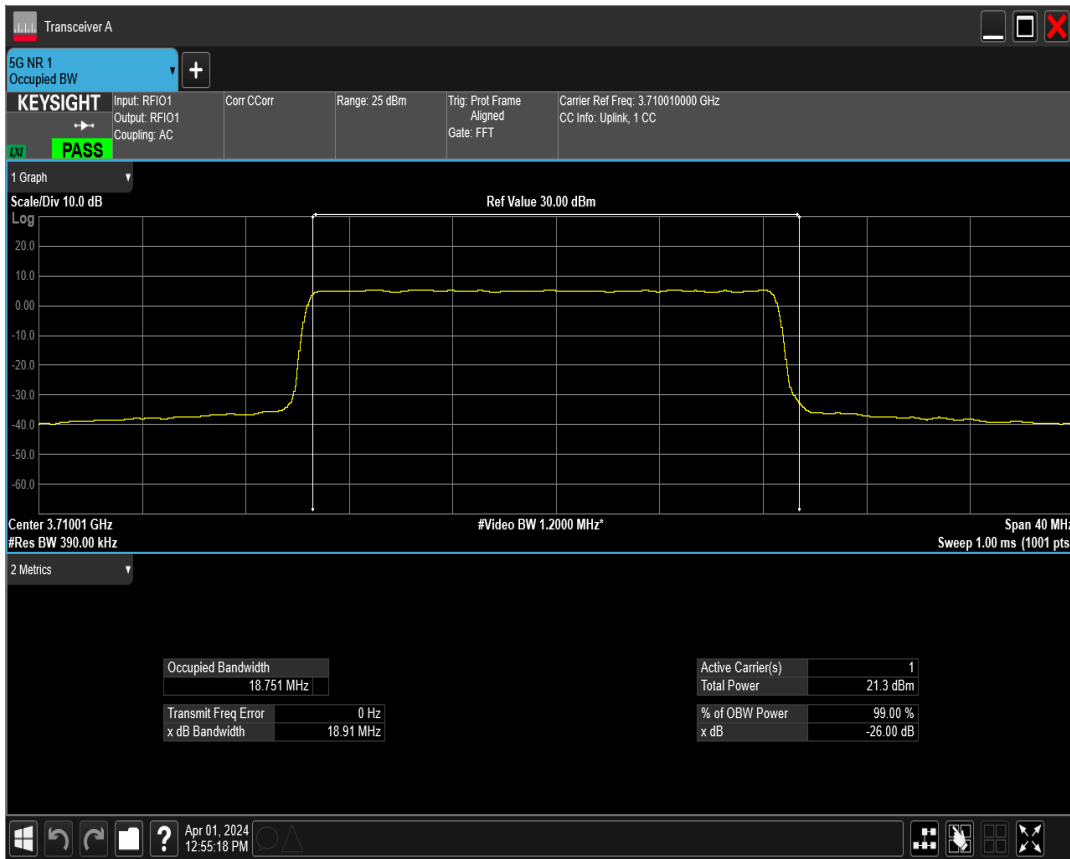
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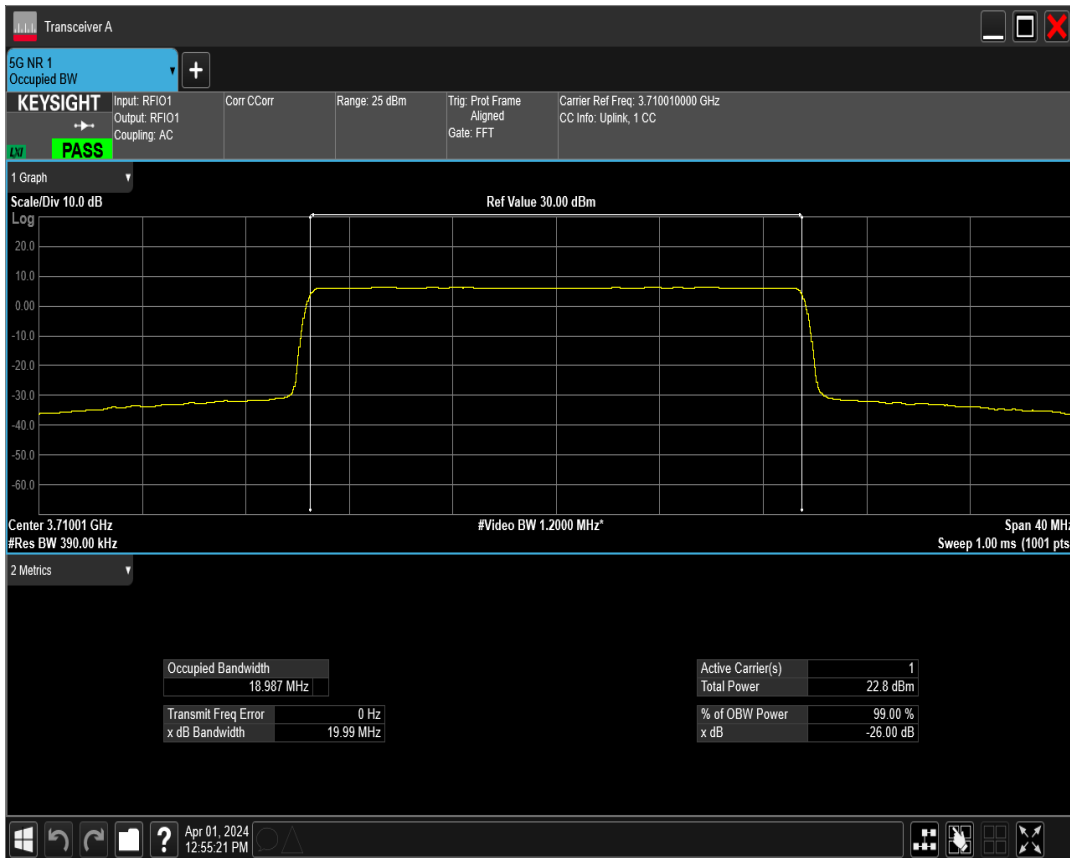
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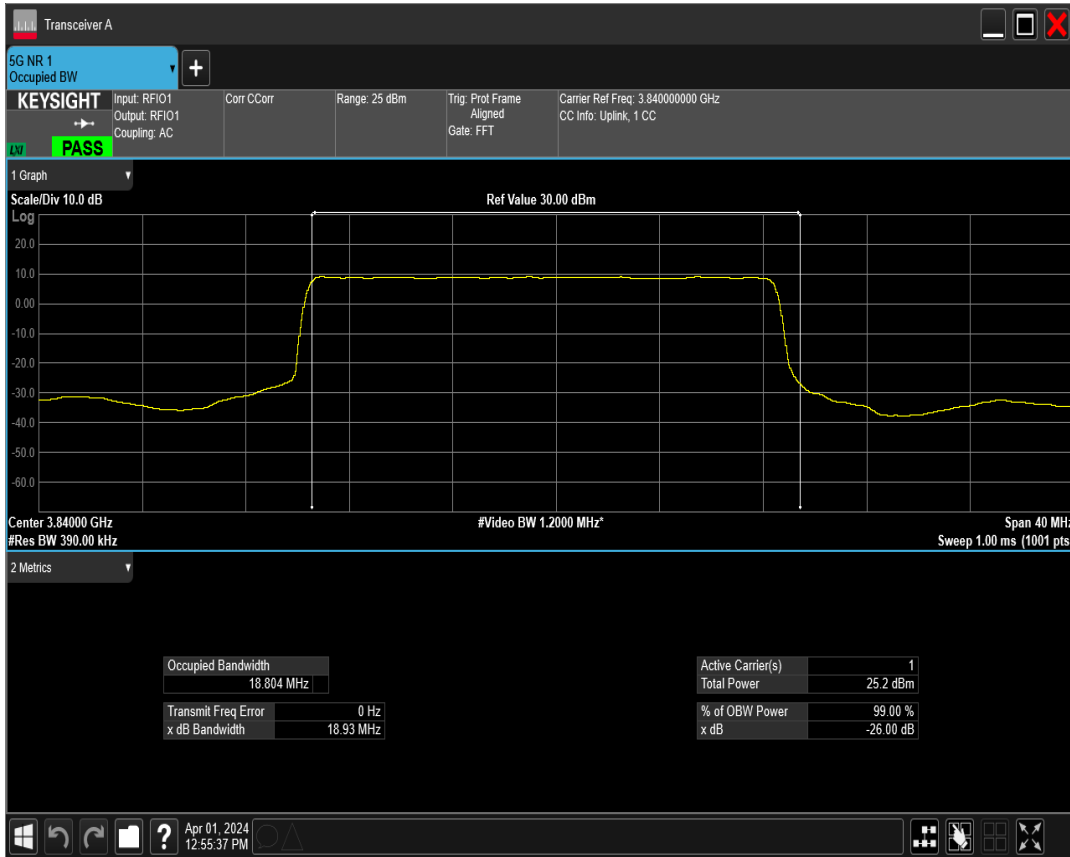
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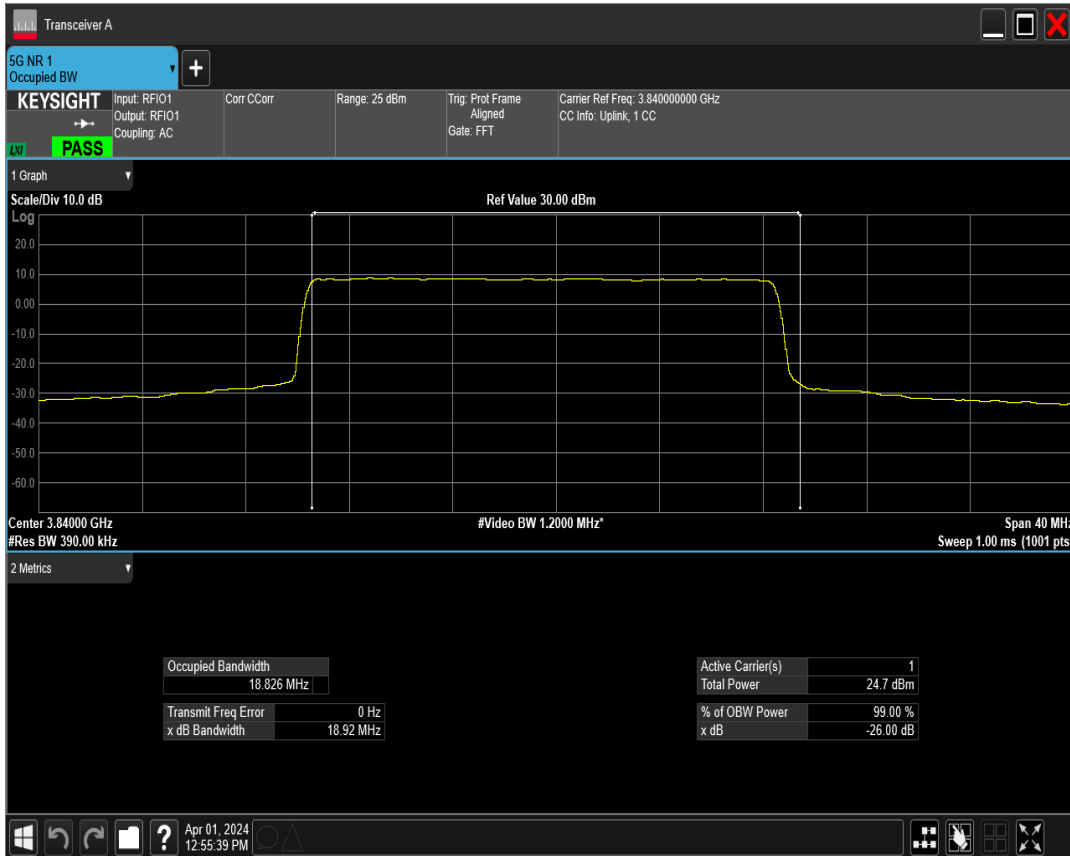
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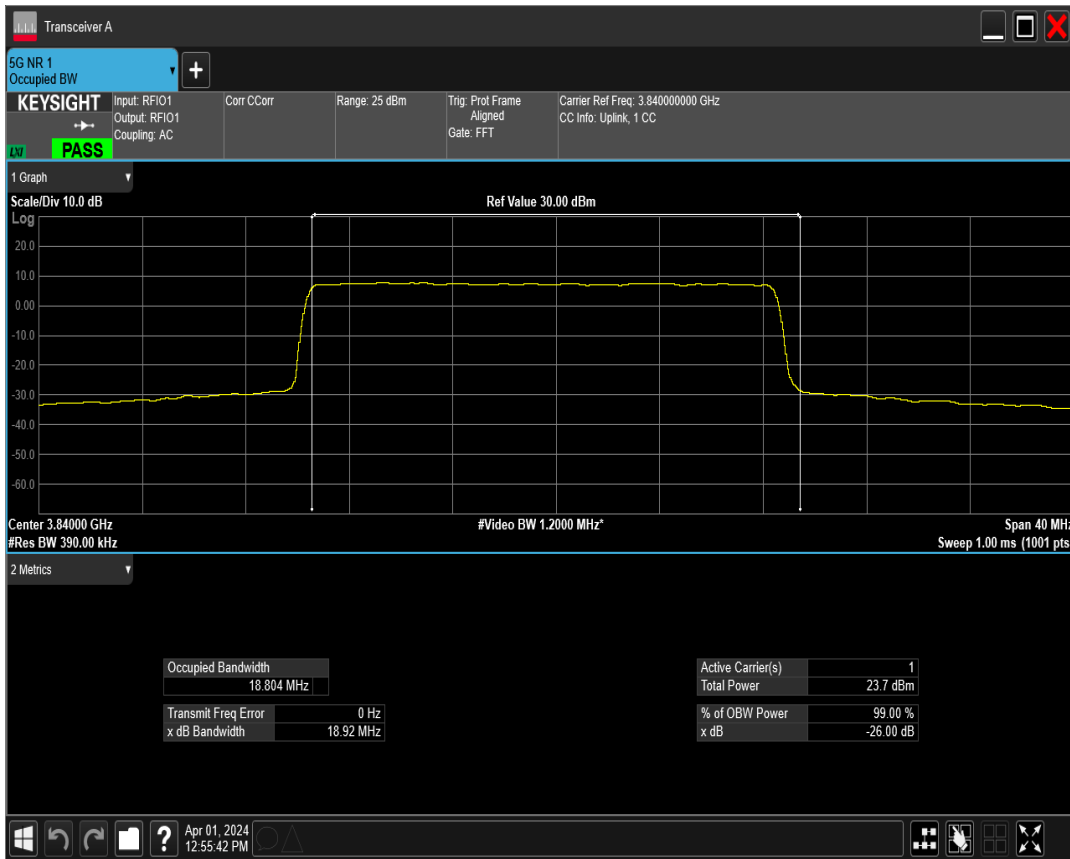
n77(3700-3980) SCS=15kHz DFT\_BPSK BW=20MHz Channel=656000 RB=100@0



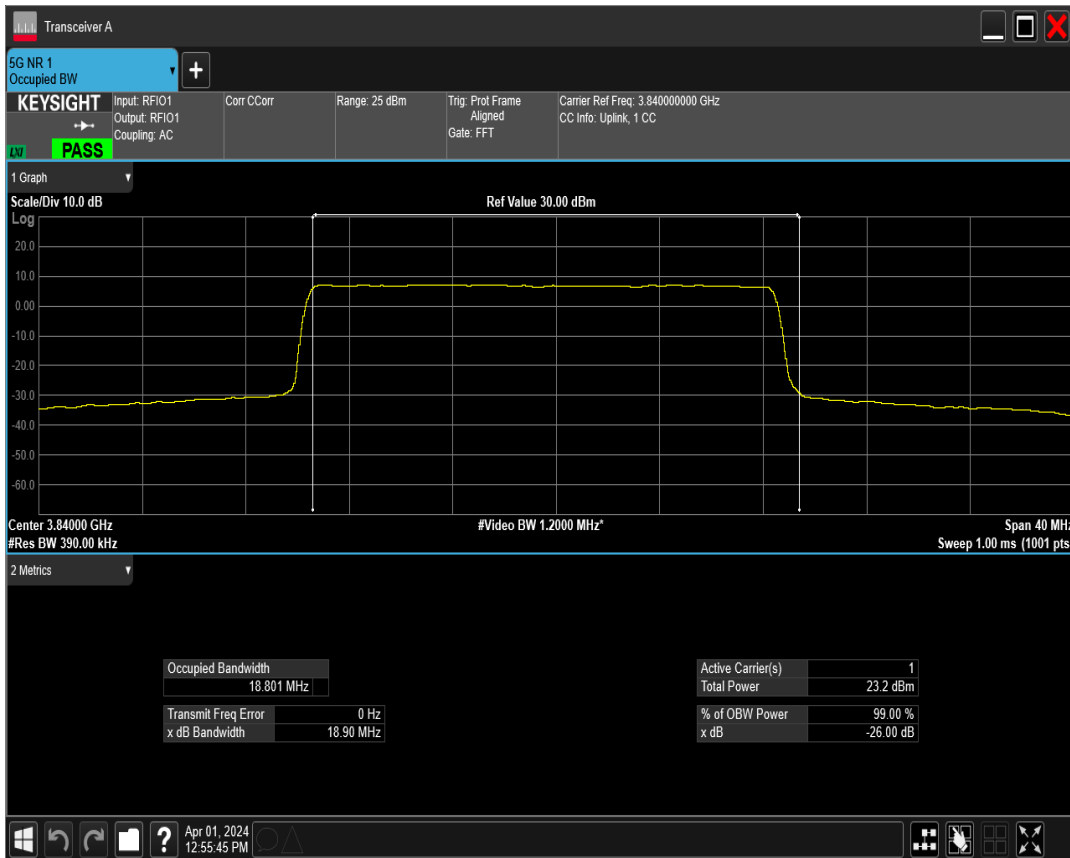
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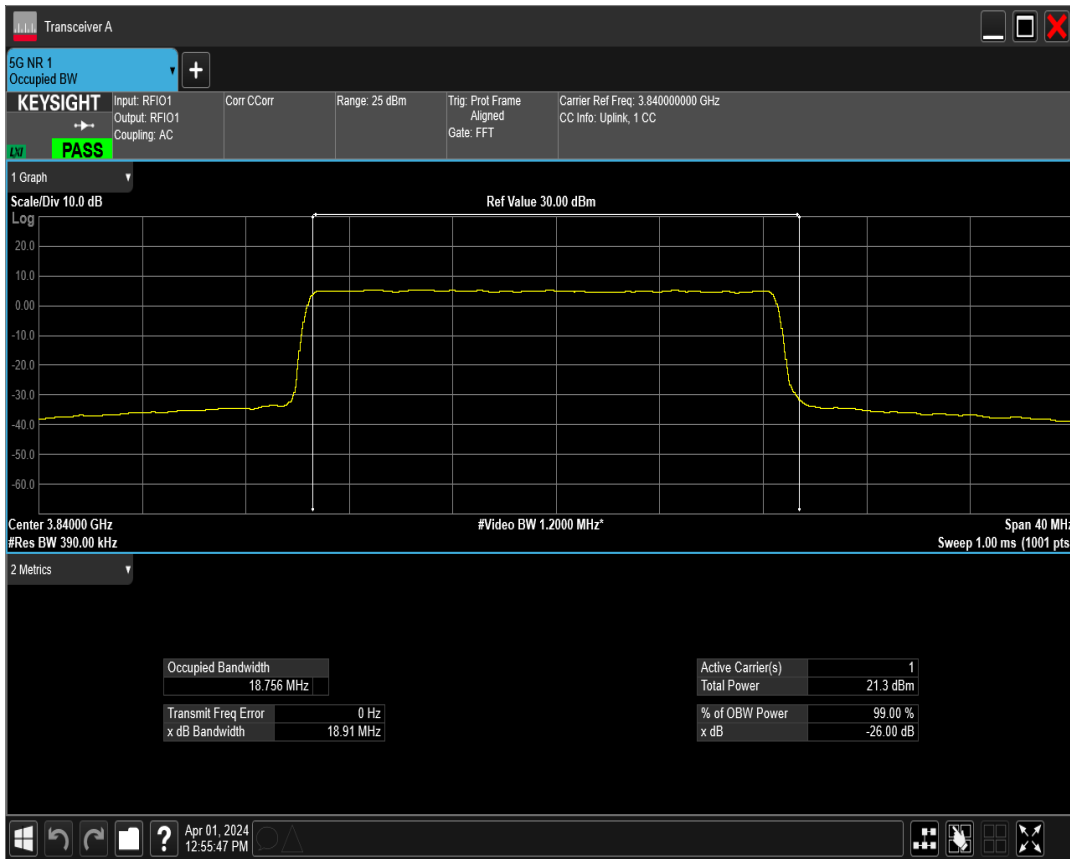
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n77(3700-3980) SCS=15kHz DFT\_QAM64 BW=20MHz Channel=656000 RB=100@0



n77(3700-3980) SCS=15kHz DFT\_QAM256 BW=20MHz Channel=656000 RB=100@0

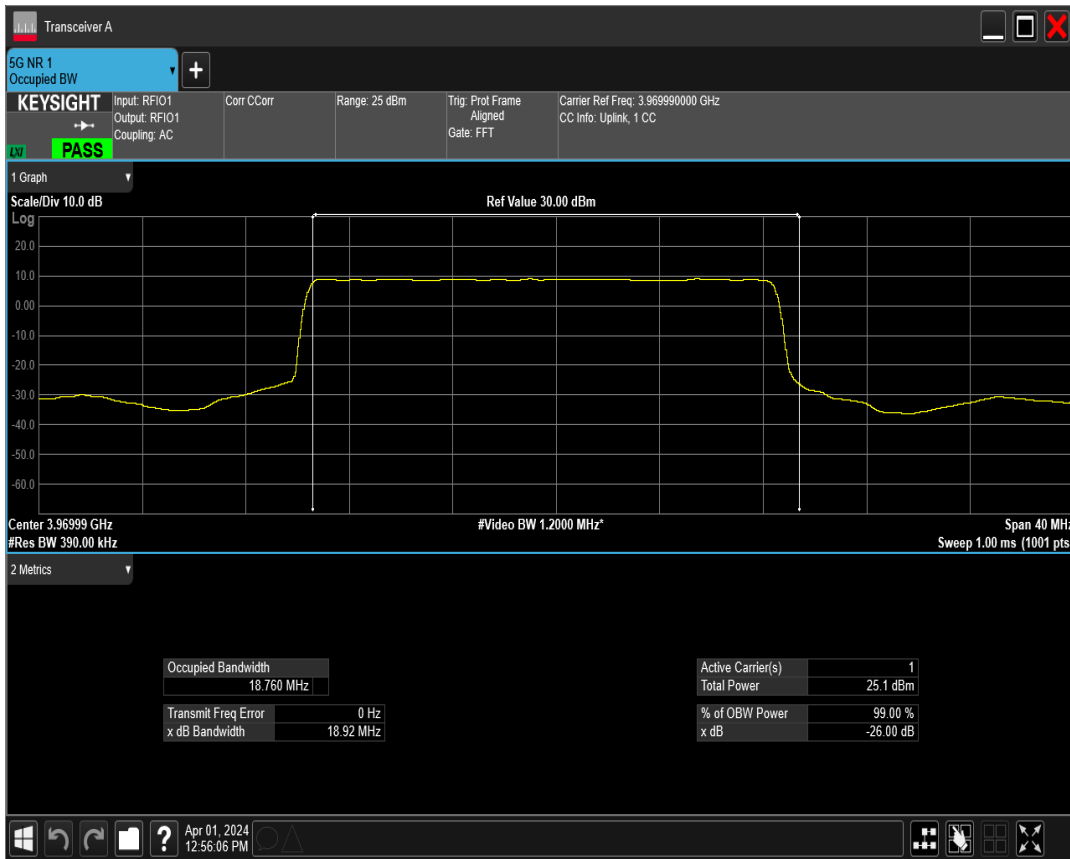


n77(3700-3980) SCS=15kHz CP\_QPSK BW=20MHz Channel=656000 RB=106@0

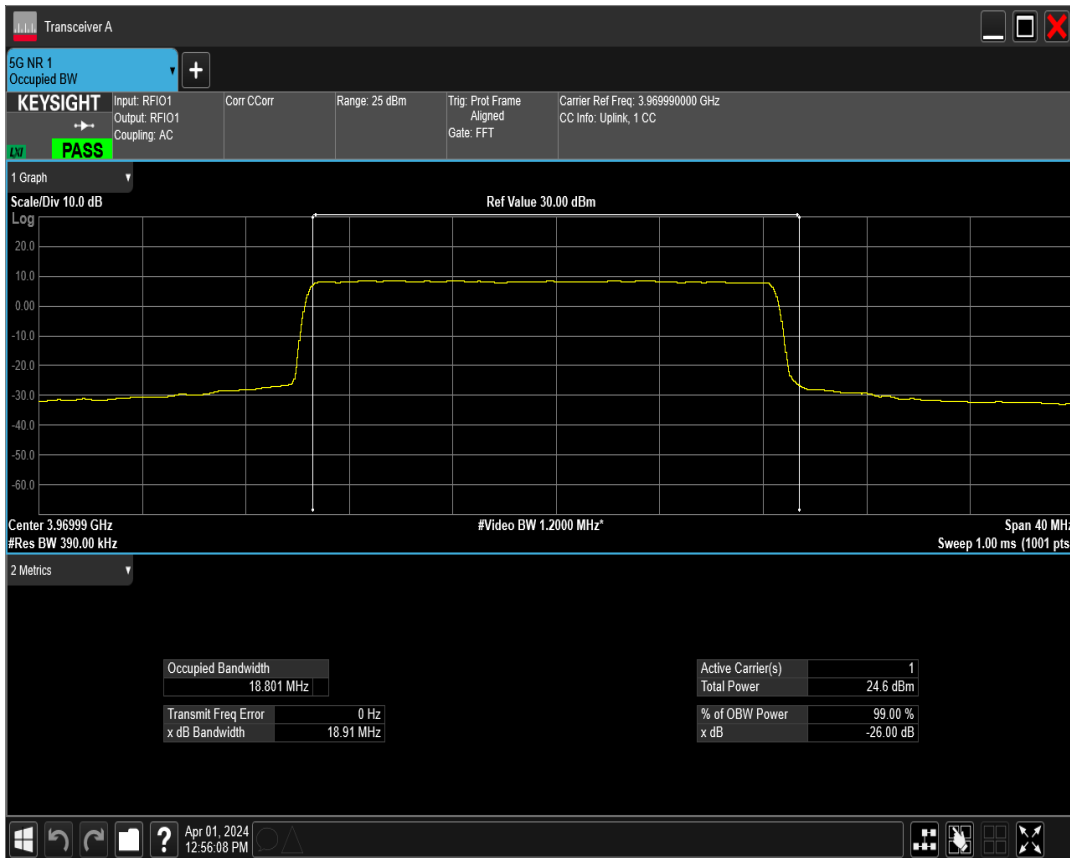




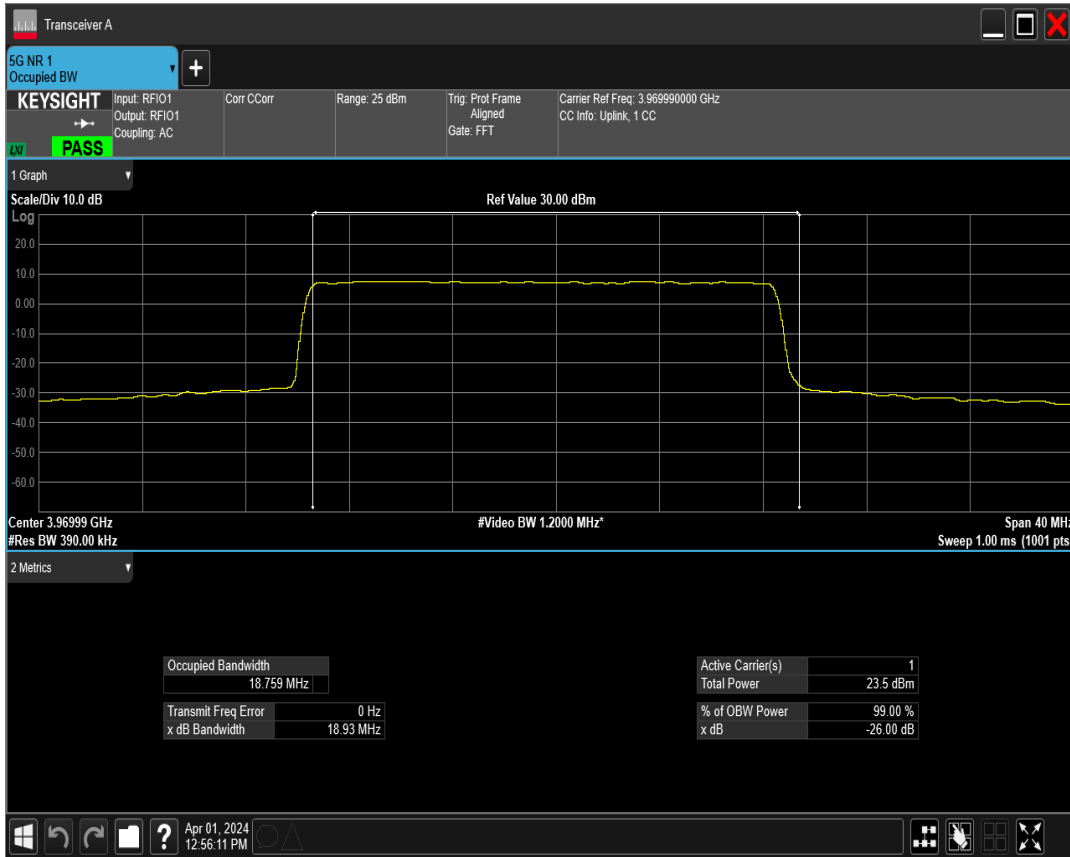
n77(3700-3980) SCS=15kHz DFT\_BPSK BW=20MHz Channel=664666 RB=100@0



n77(3700-3980) SCS=15kHz DFT\_QPSK BW=20MHz Channel=664666 RB=100@0



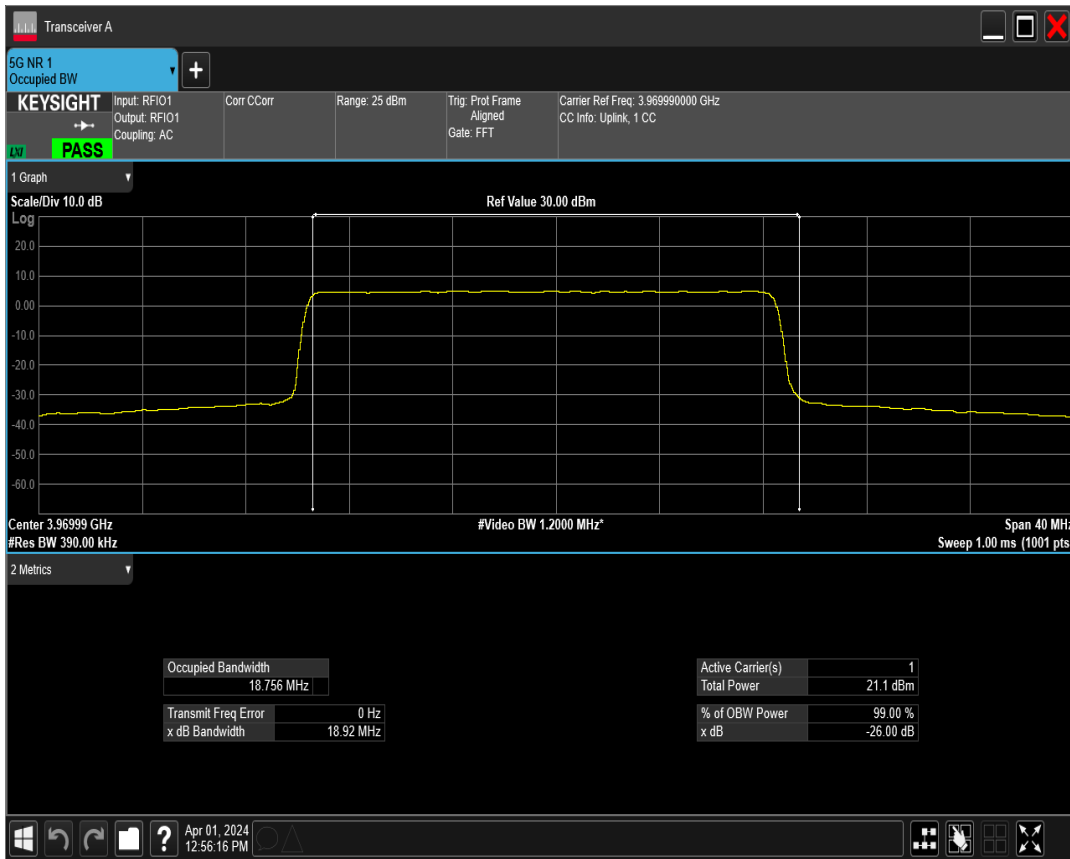
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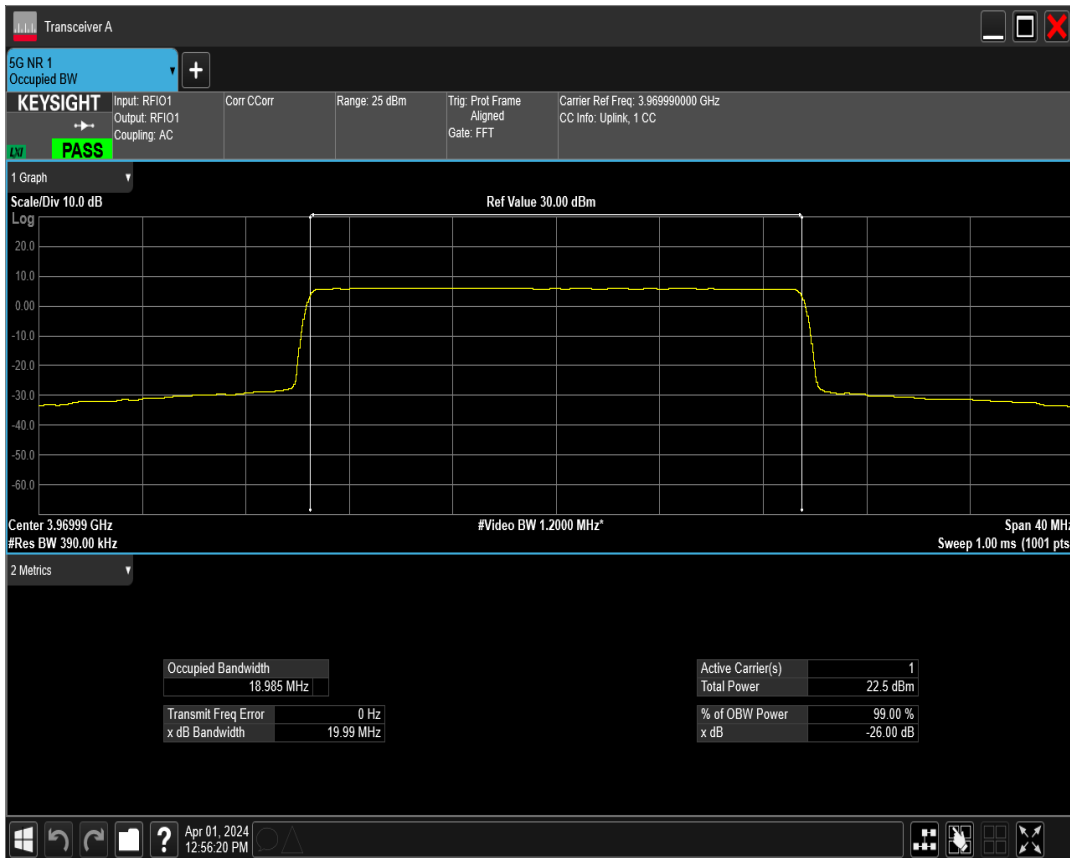
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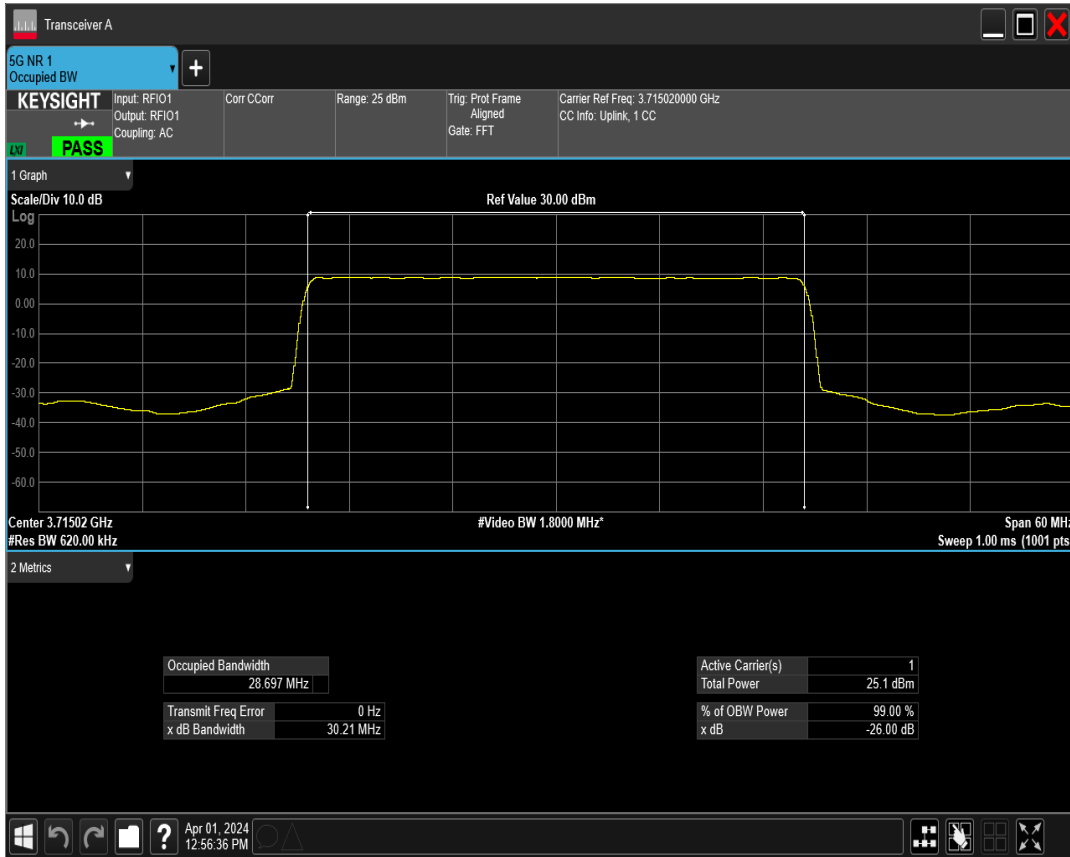
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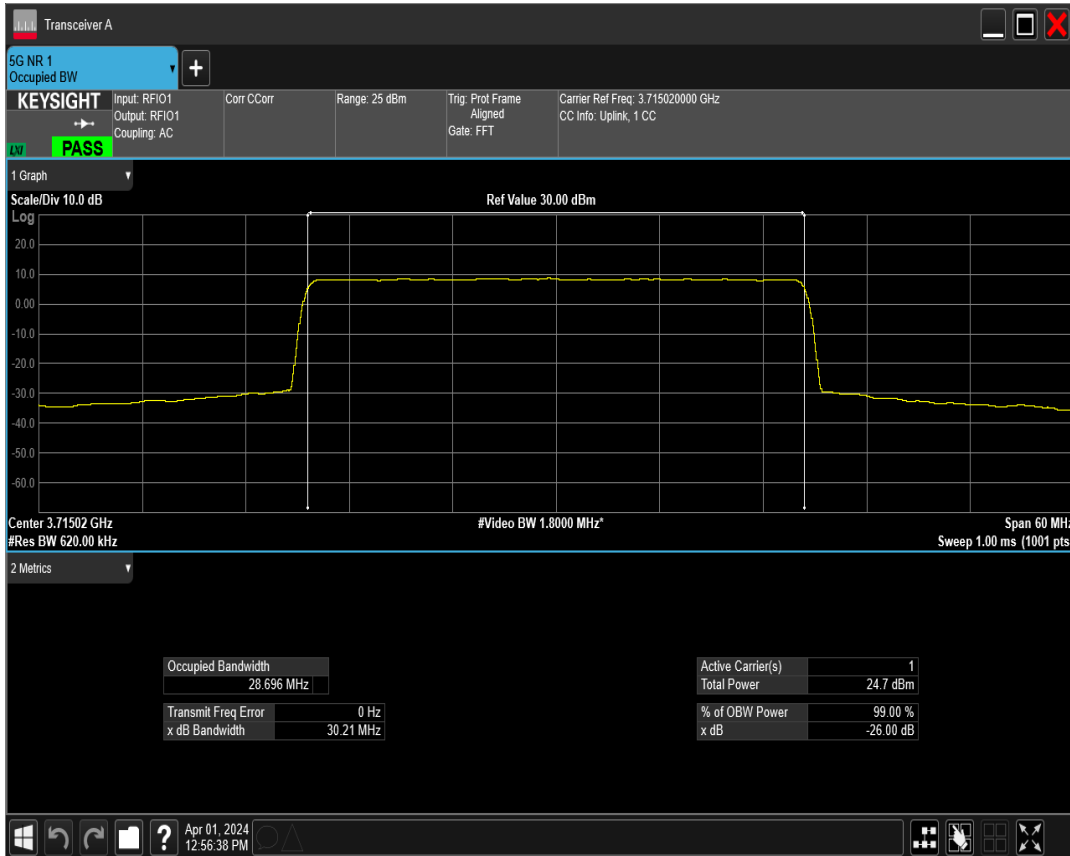
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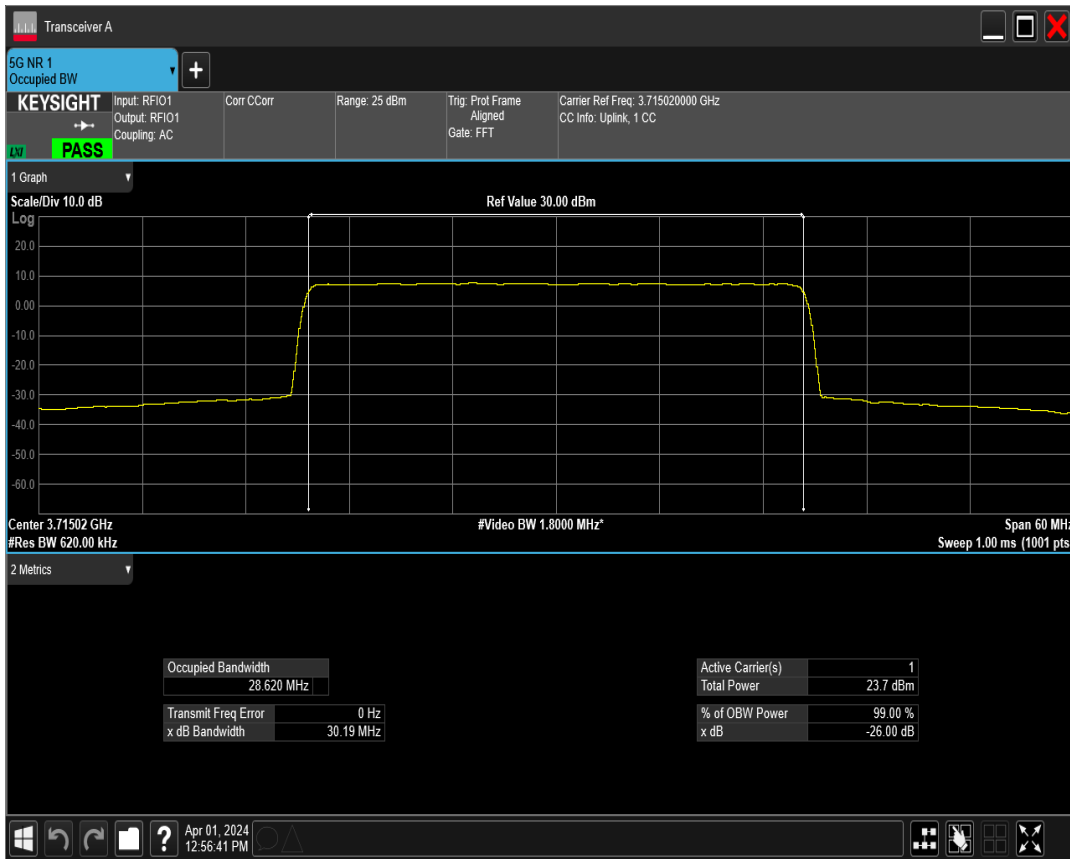
n77(3700-3980) SCS=15kHz DFT\_BPSK BW=30MHz Channel=647668 RB=160@0



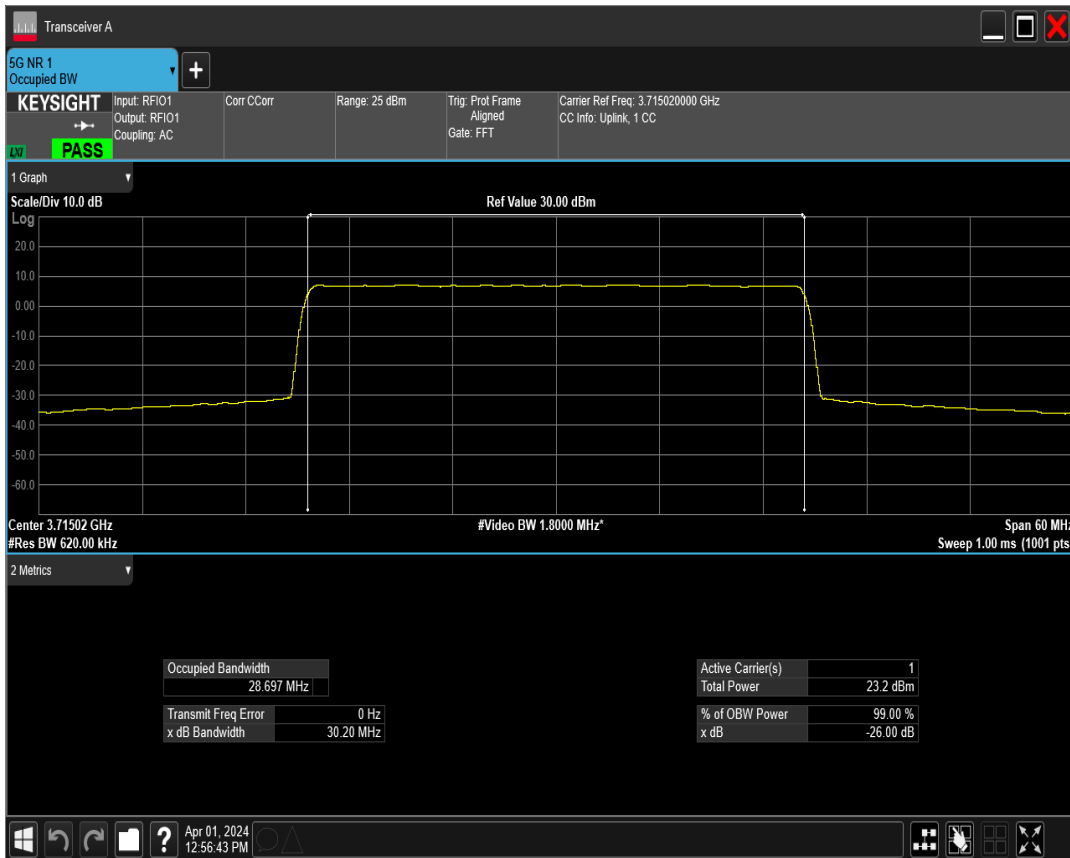
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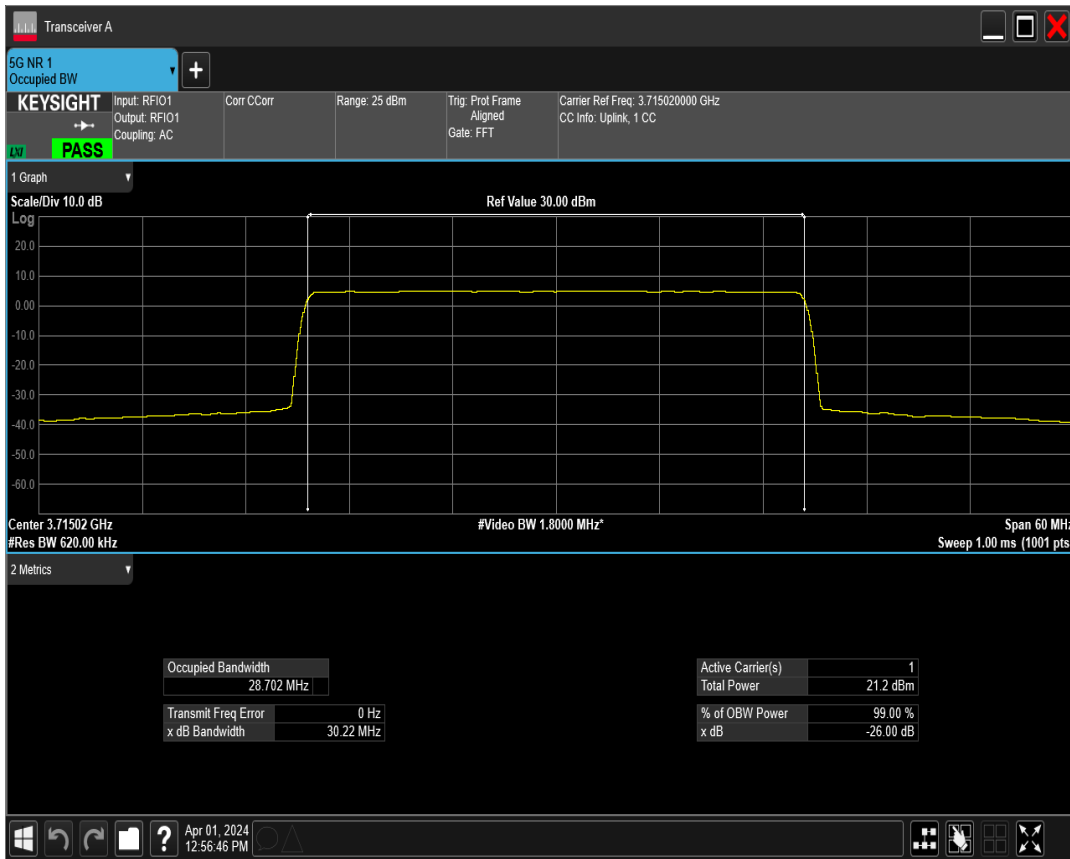
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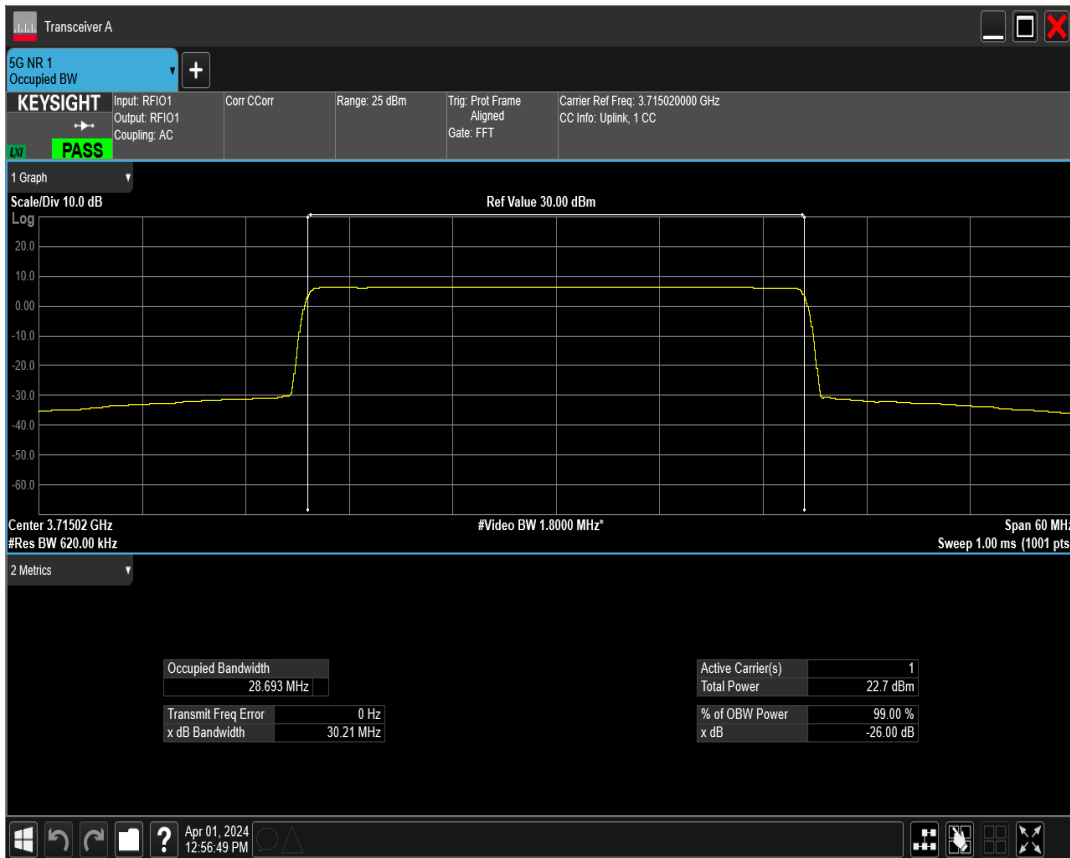
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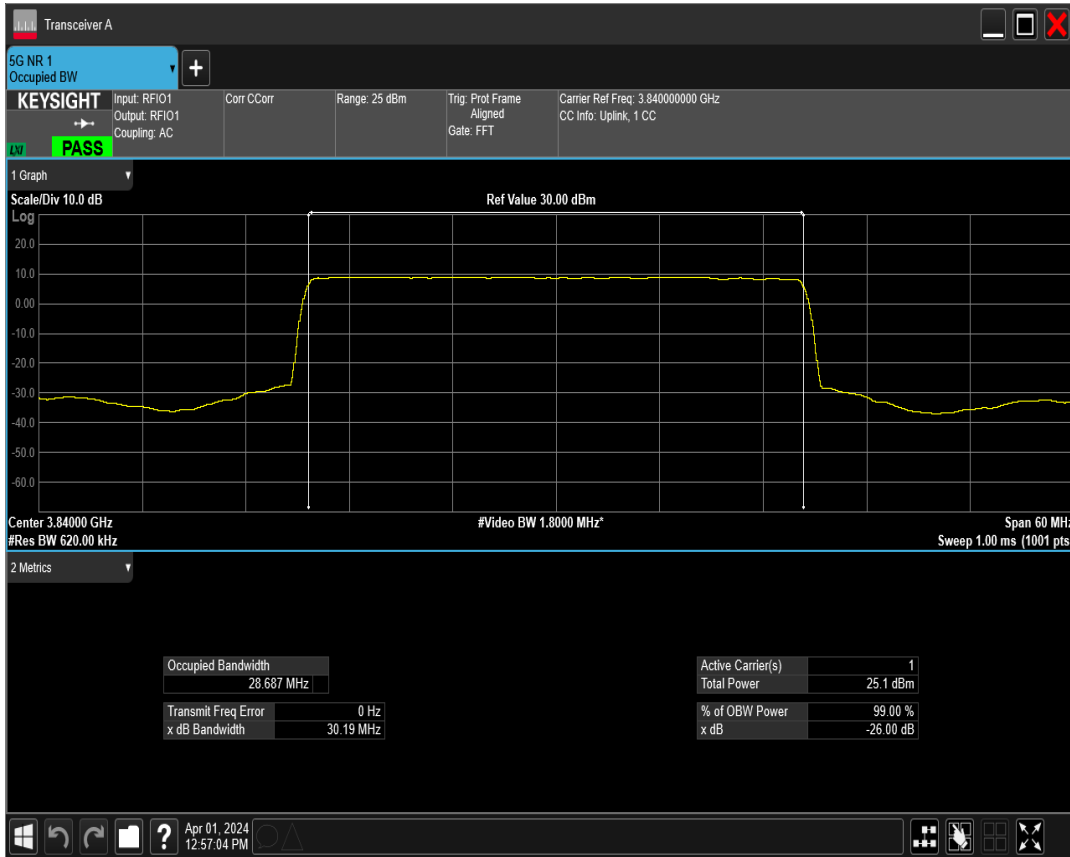
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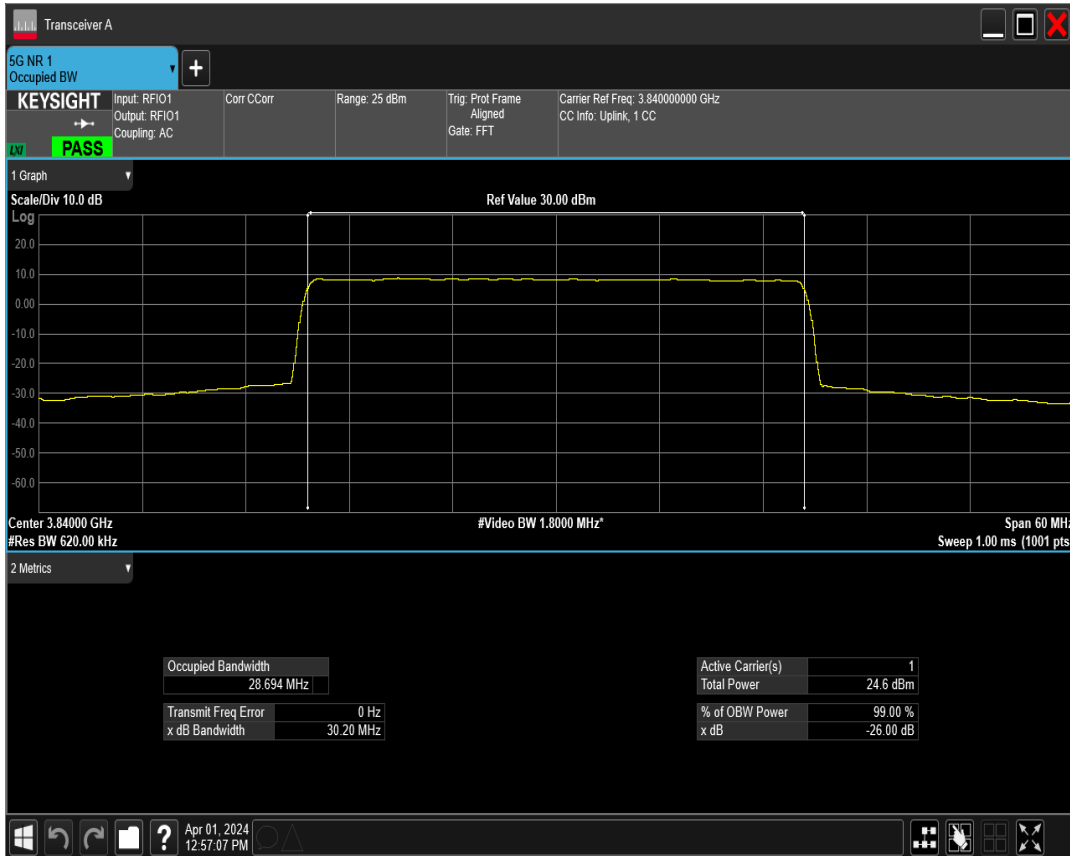
n77(3700-3980) SCS=15kHz CP\_QPSK BW=30MHz Channel=647668 RB=160@0



n77(3700-3980) SCS=15kHz DFT\_BPSK BW=30MHz Channel=656000 RB=160@0



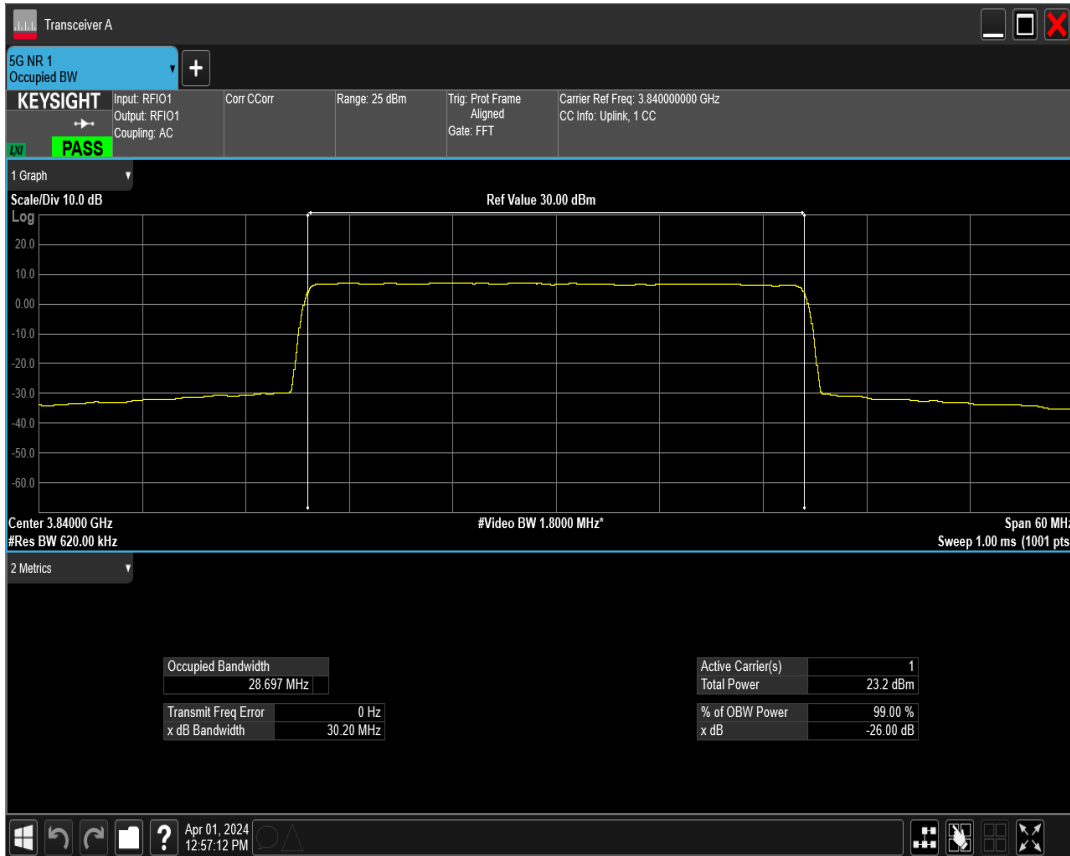
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=30MHz Channel=656000 RB=160@0



n77(3700-3980) SCS=15kHz DFT\_QAM16 BW=30MHz Channel=656000 RB=160@0

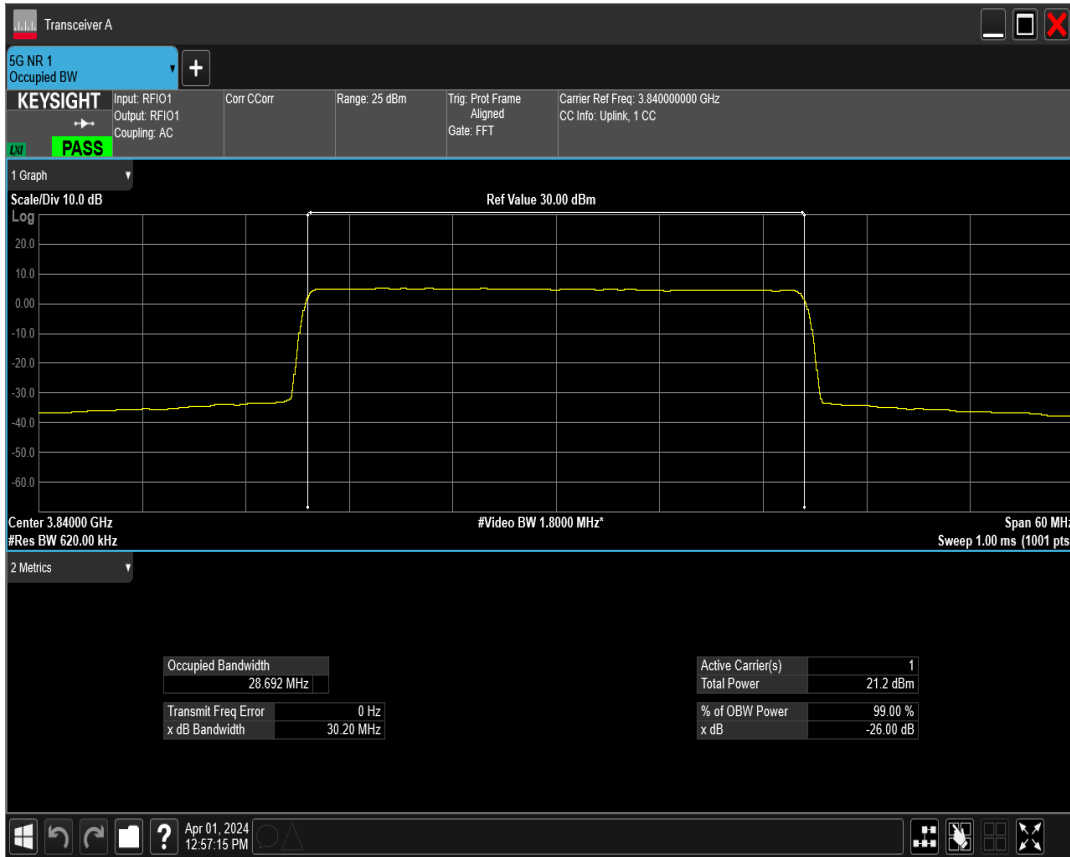


n77(3700-3980) SCS=15kHz DFT\_QAM64 BW=30MHz Channel=656000 RB=160@0

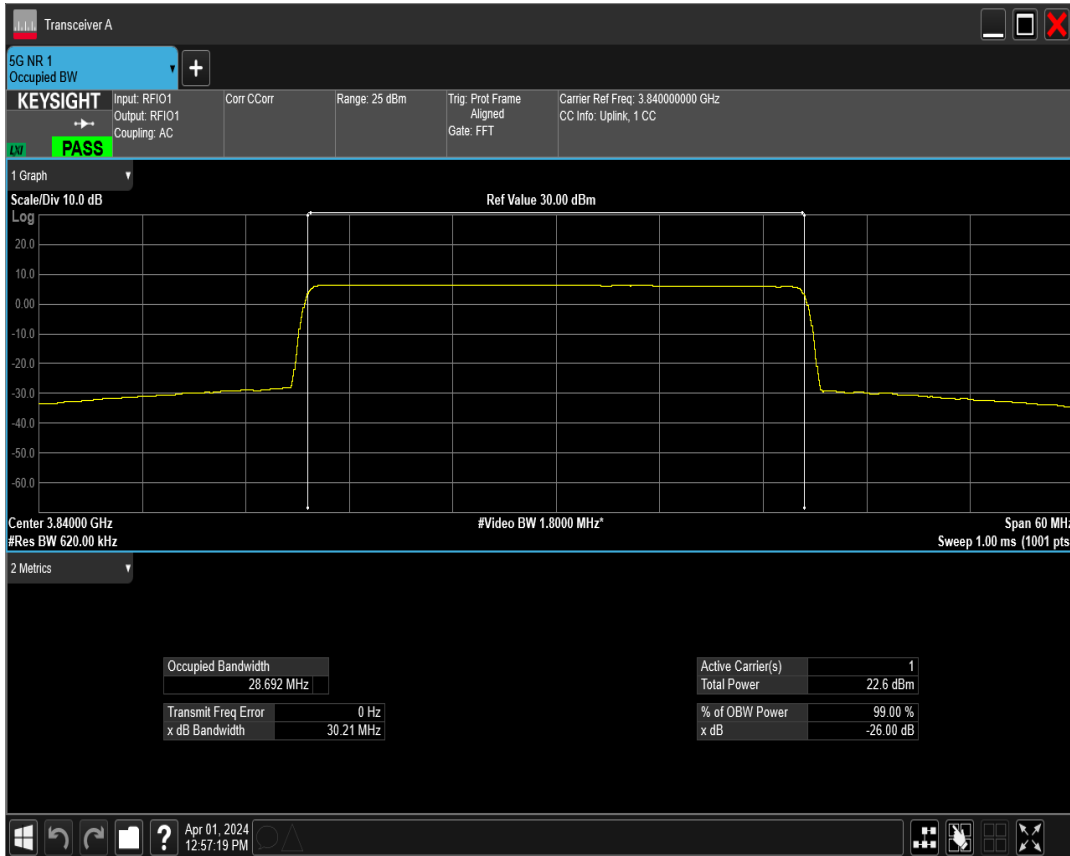




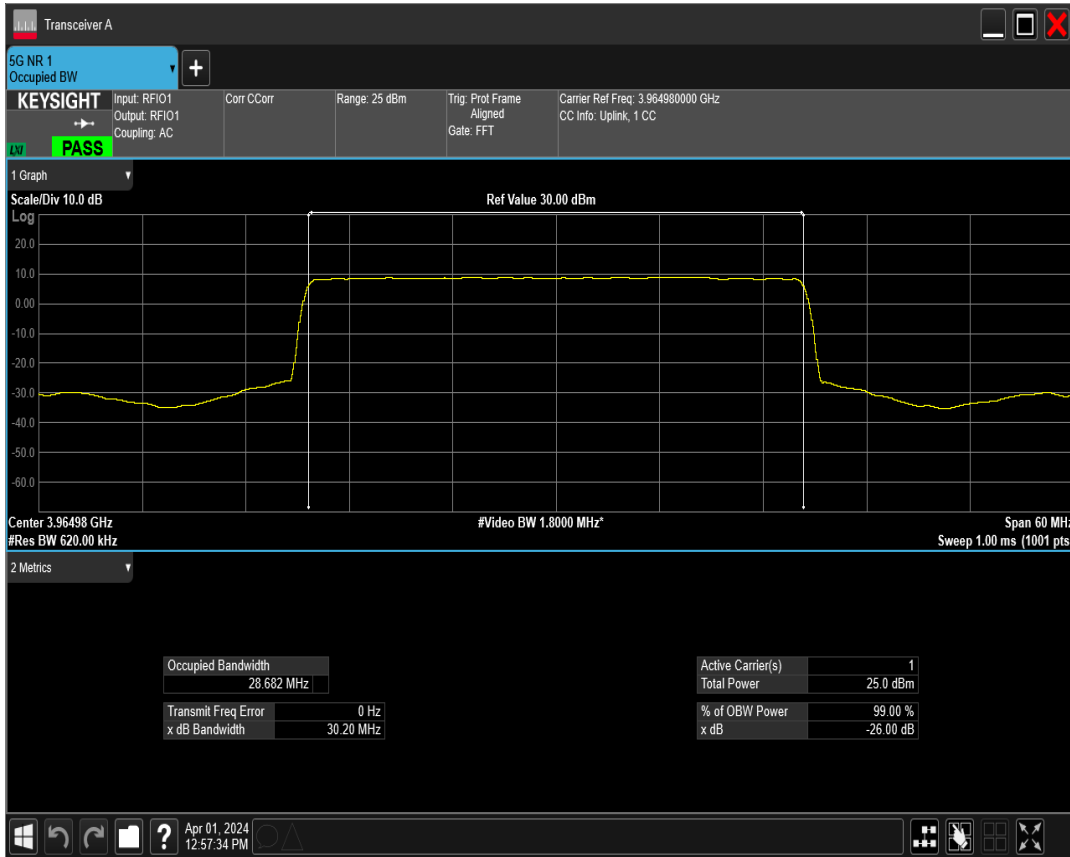
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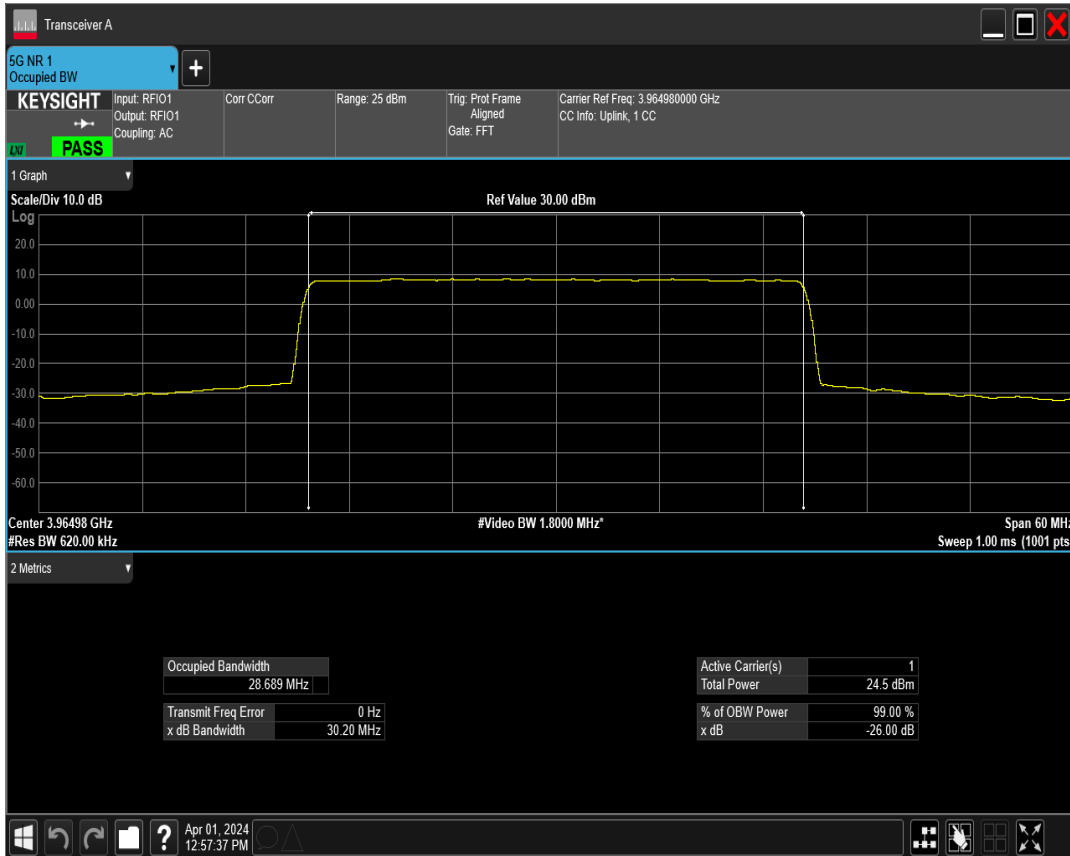
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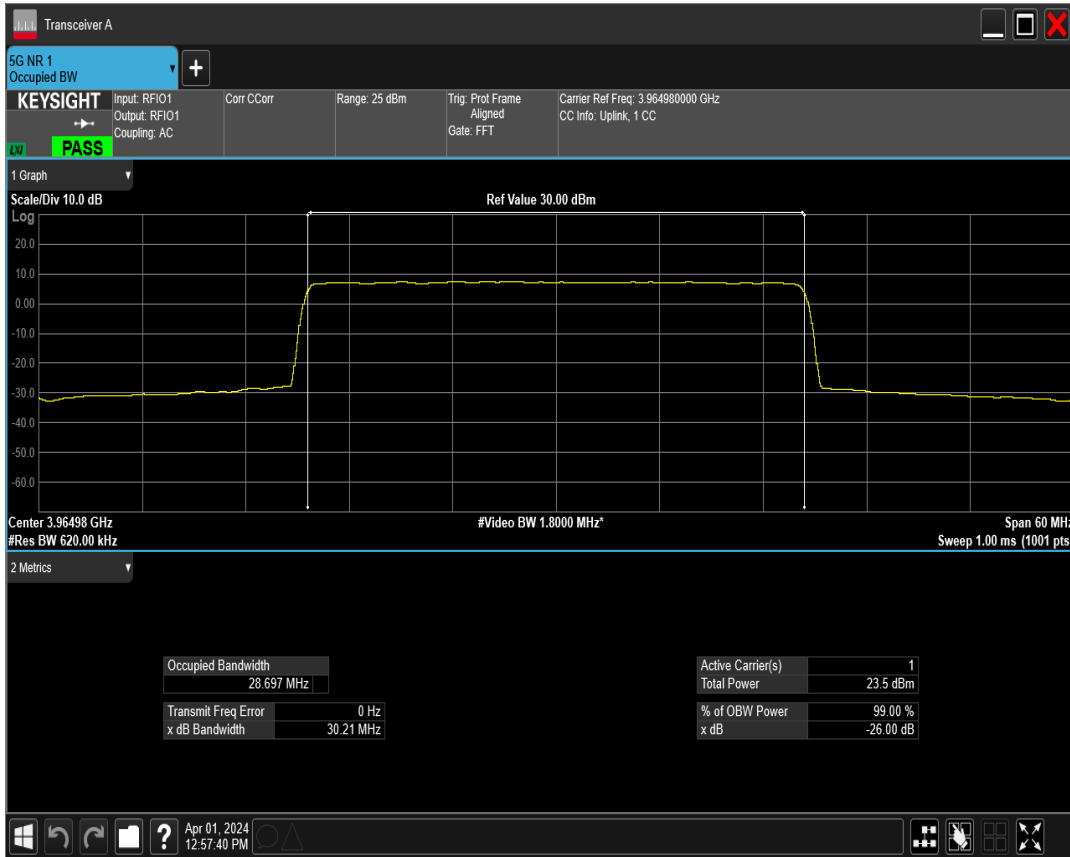
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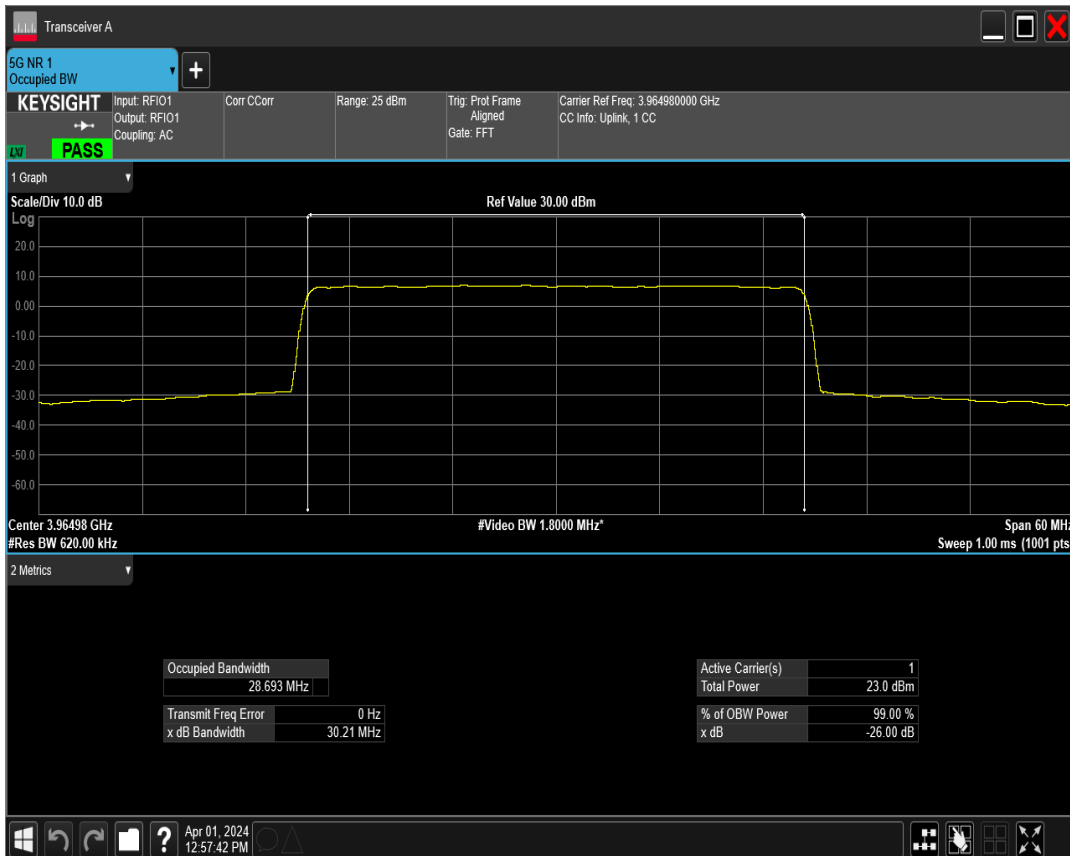
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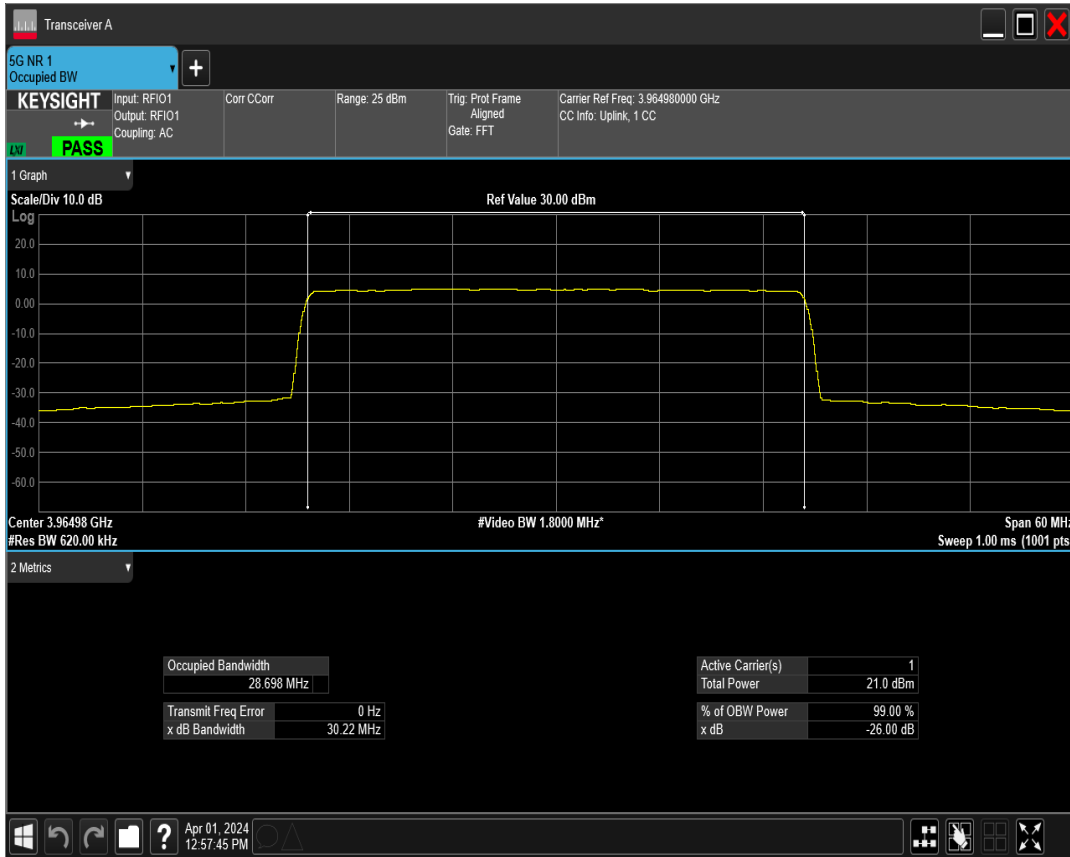
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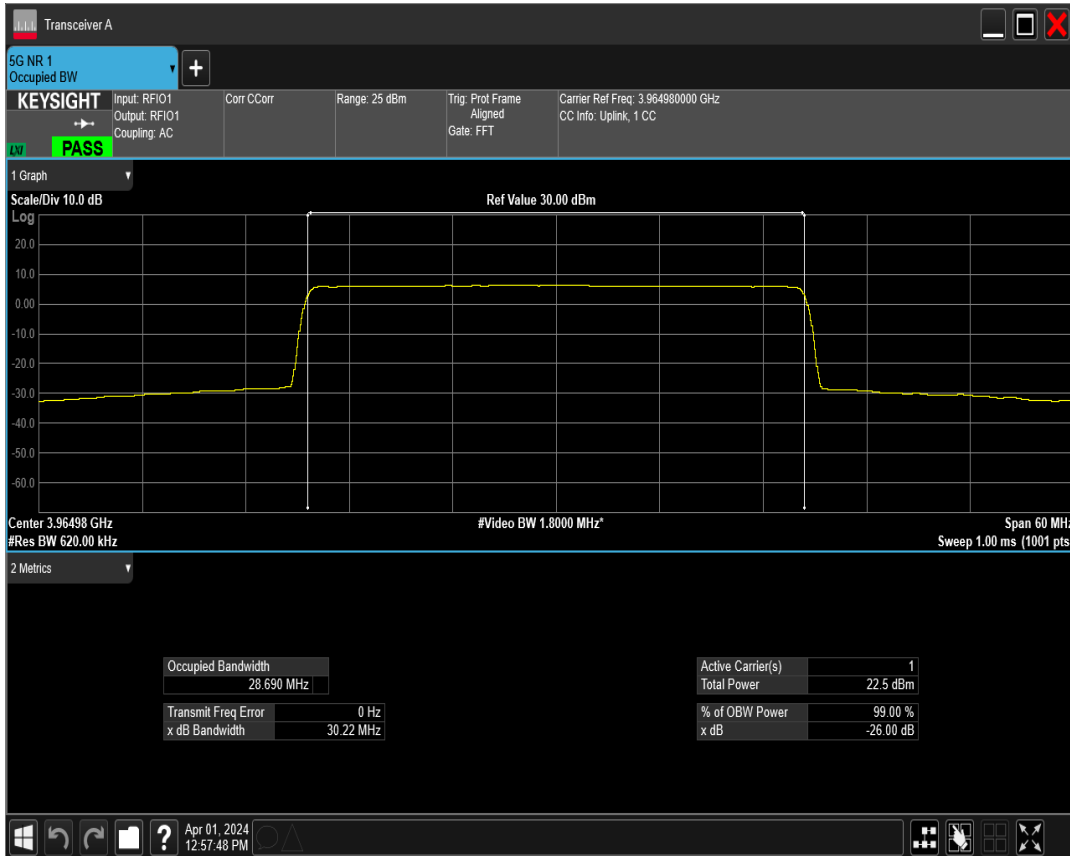
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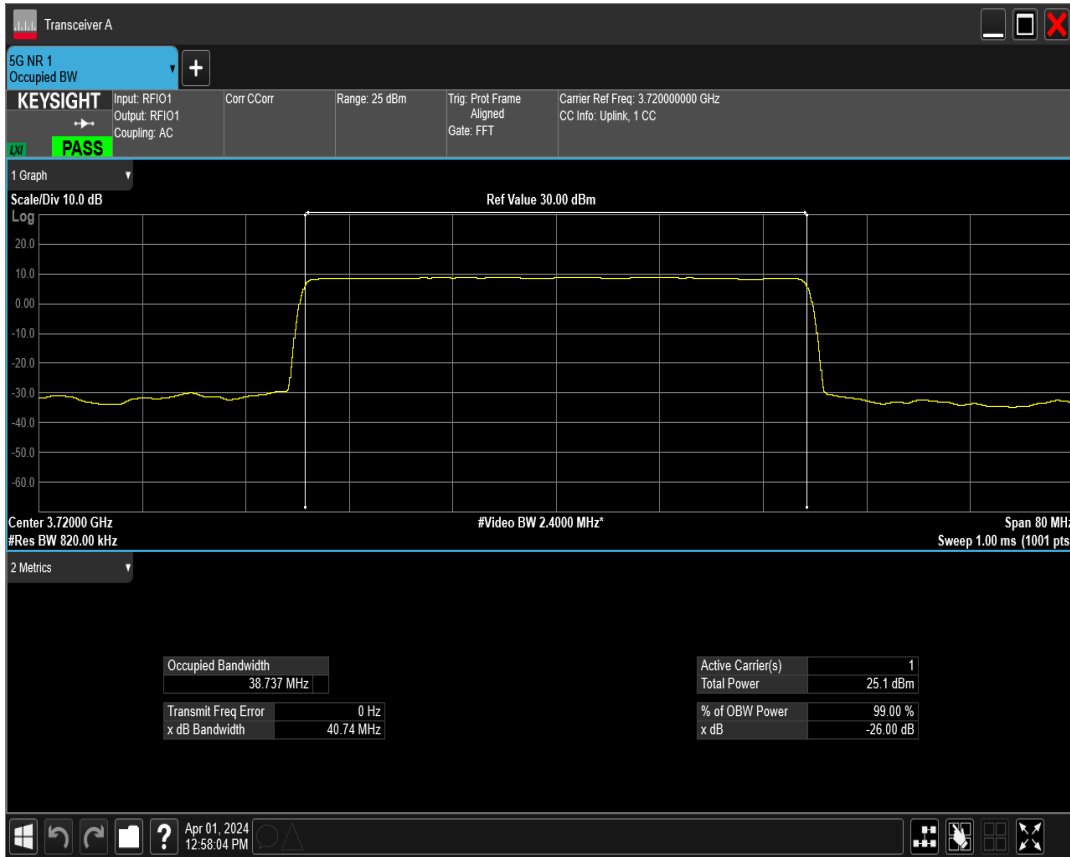
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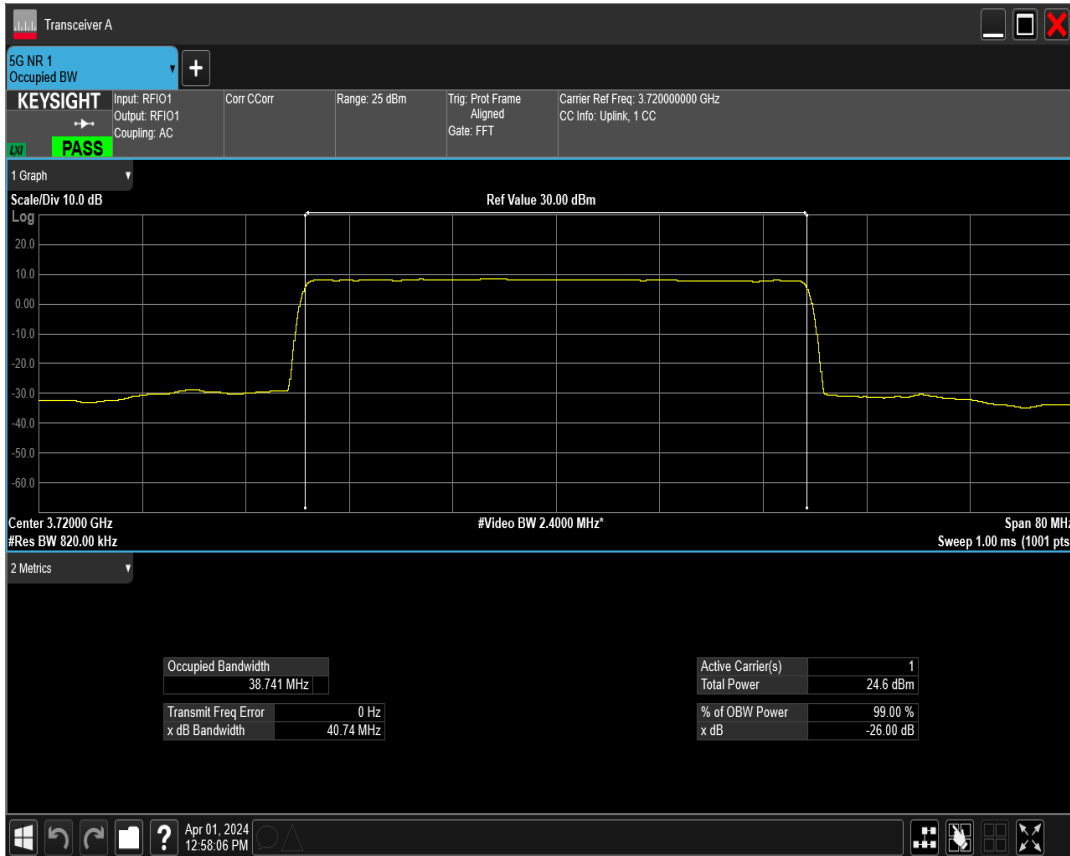
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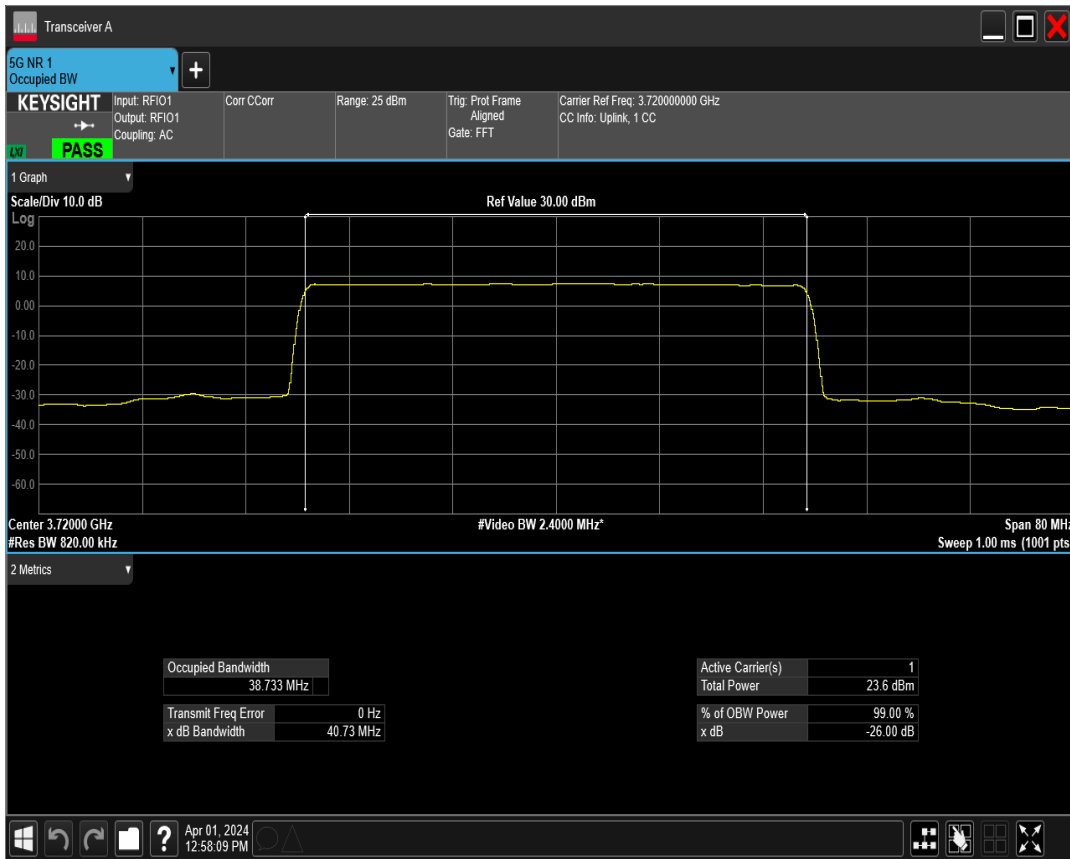
n77(3700-3980) SCS=15kHz DFT\_BPSK BW=40MHz Channel=648000 RB=216@0



n77(3700-3980) SCS=15kHz DFT\_QPSK BW=40MHz Channel=648000 RB=216@0



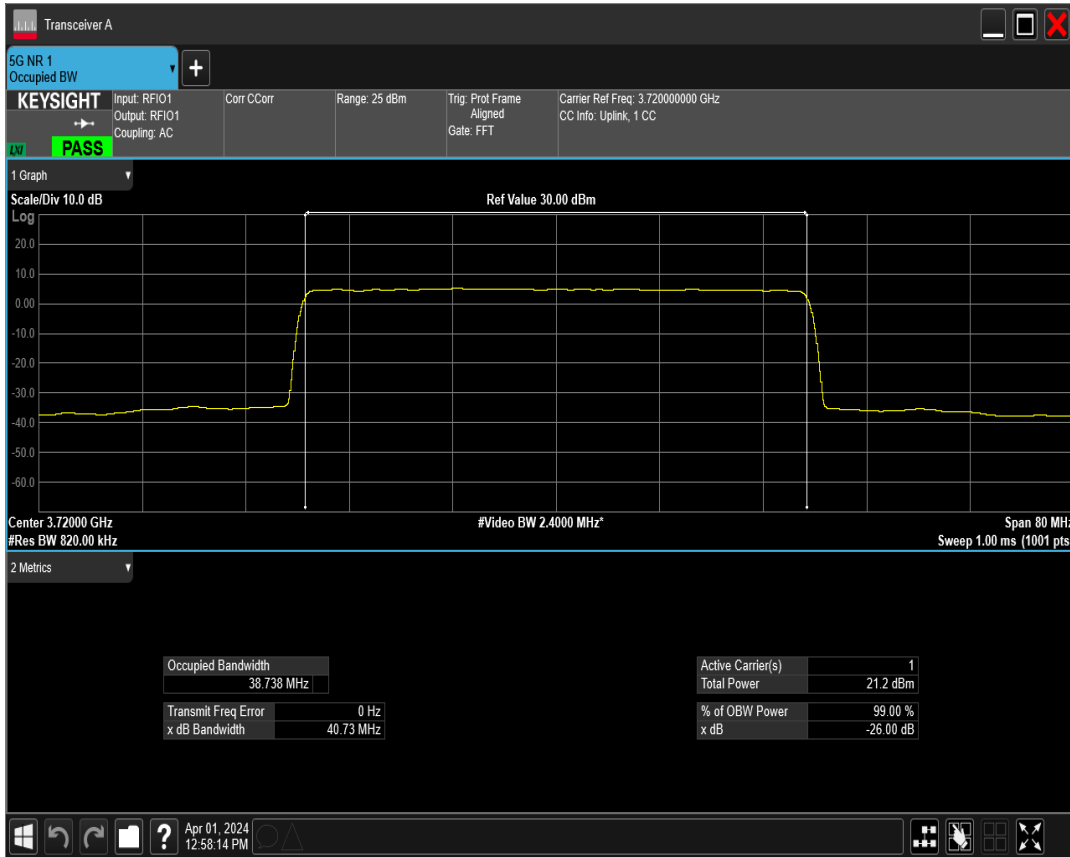
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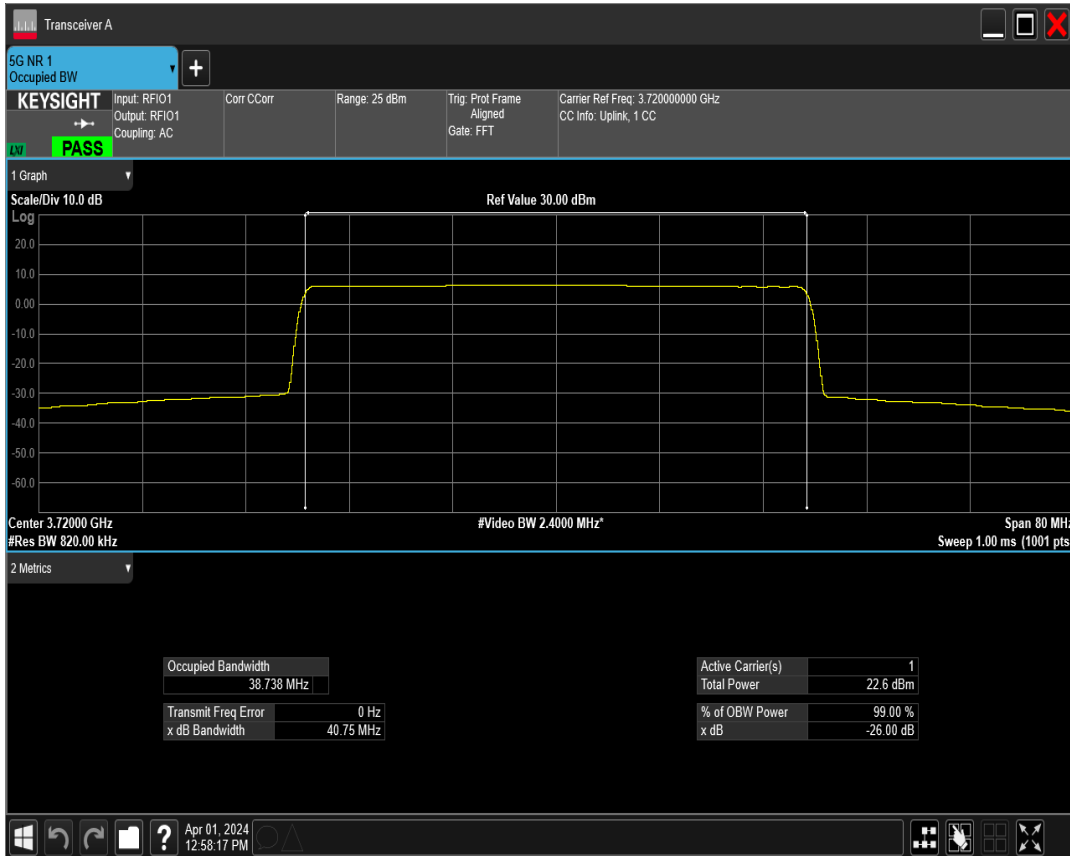
n77(3700-3980) SCS=15kHz DFT\_QAM64 BW=40MHz Channel=648000 RB=216@0



n77(3700-3980) SCS=15kHz DFT\_QAM256 BW=40MHz Channel=648000 RB=216@0



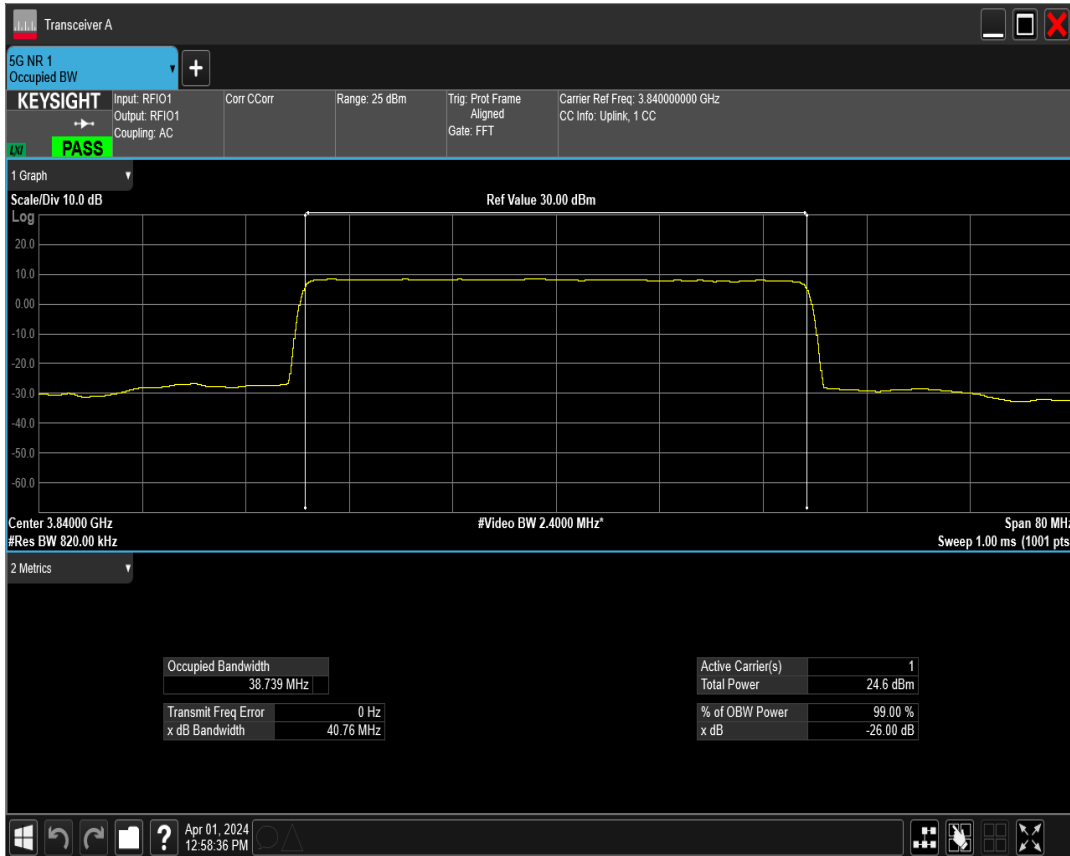
n77(3700-3980) SCS=15kHz CP\_QPSK BW=40MHz Channel=648000 RB=216@0



n77(3700-3980) SCS=15kHz DFT\_BPSK BW=40MHz Channel=656000 RB=216@0



n77(3700-3980) SCS=15kHz DFT\_QPSK BW=40MHz Channel=656000 RB=216@0





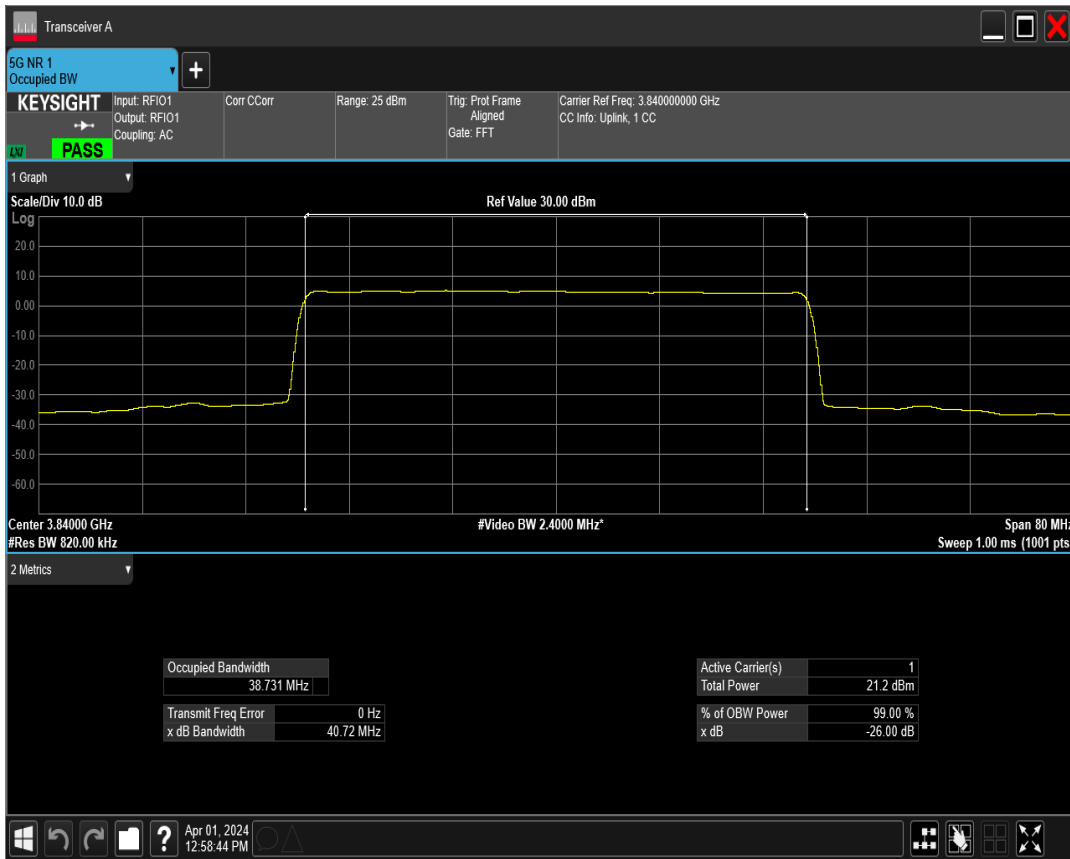
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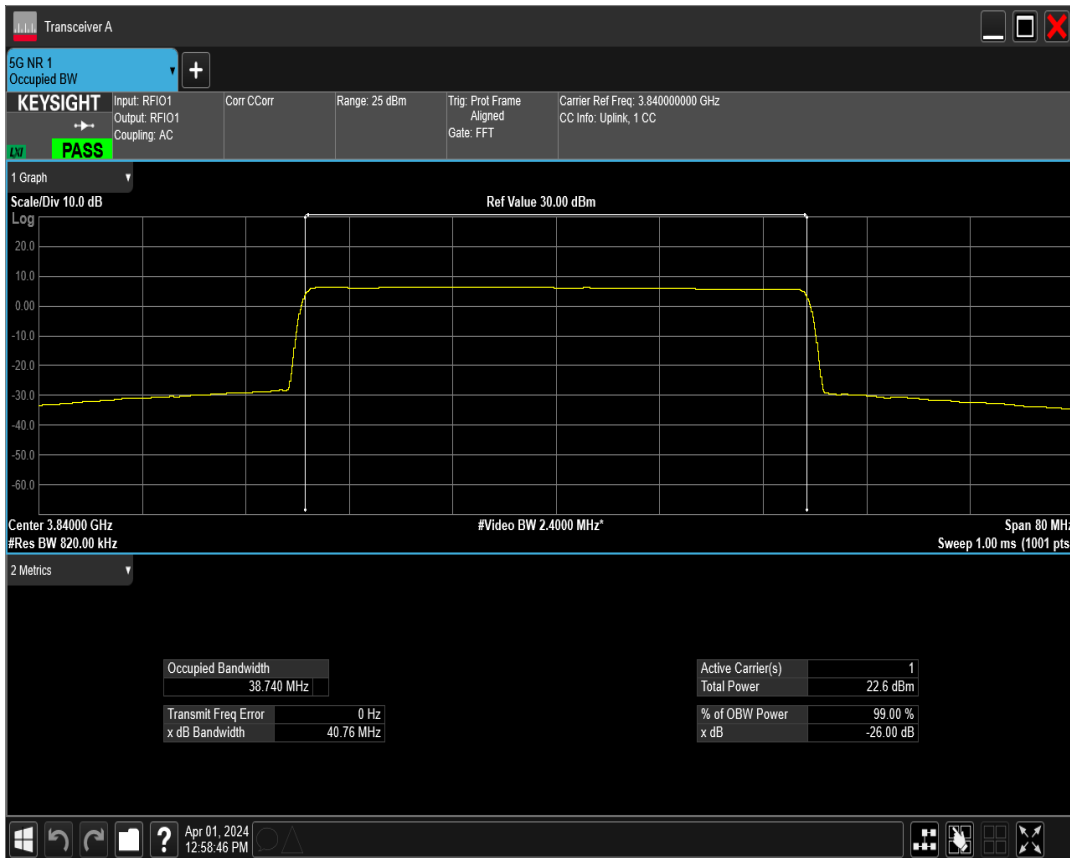
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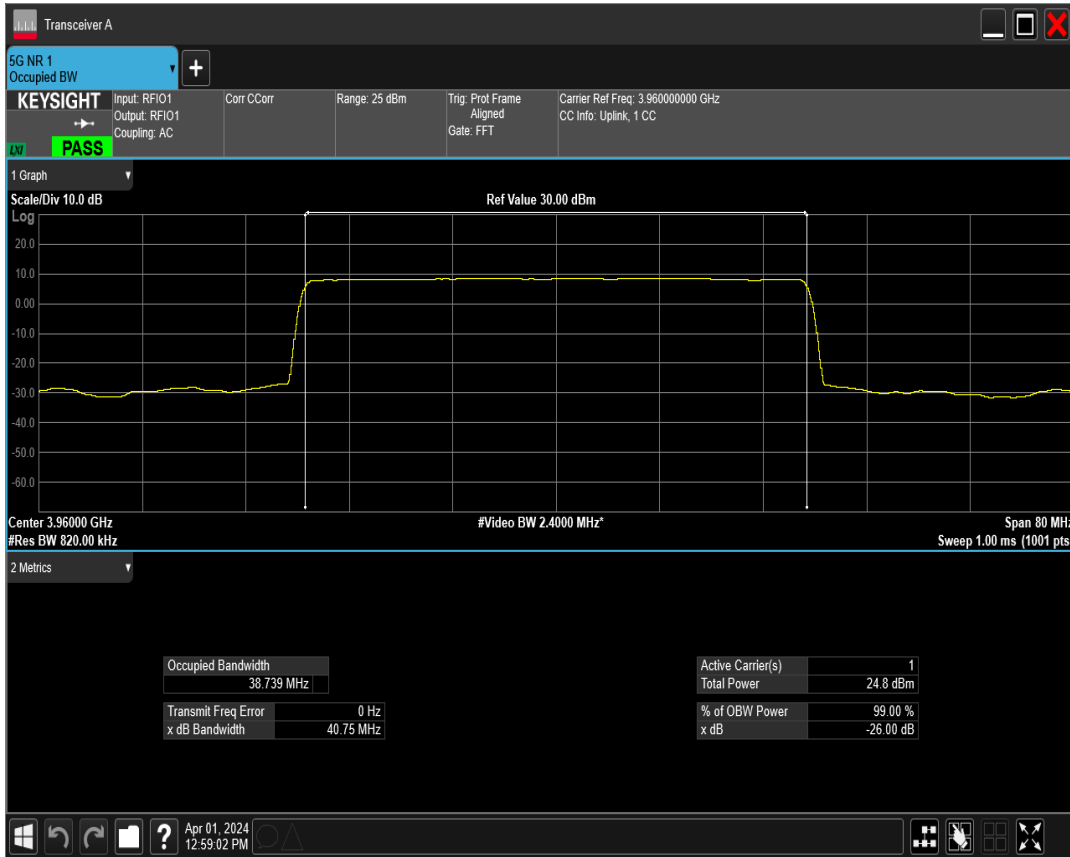
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n77(3700-3980) SCS=15kHz CP\_QPSK BW=40MHz Channel=656000 RB=216@0



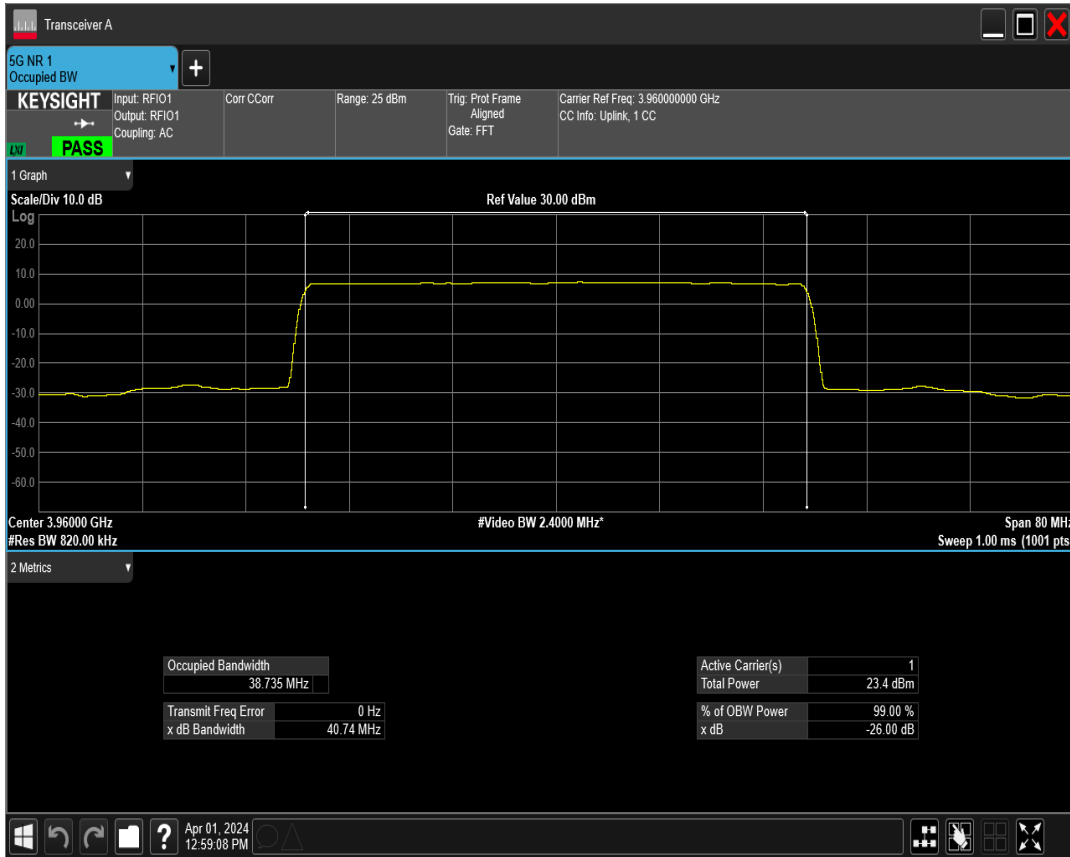
n77(3700-3980) SCS=15kHz DFT\_BPSK BW=40MHz Channel=664000 RB=216@0



n77(3700-3980) SCS=15kHz DFT\_QPSK BW=40MHz Channel=664000 RB=216@0



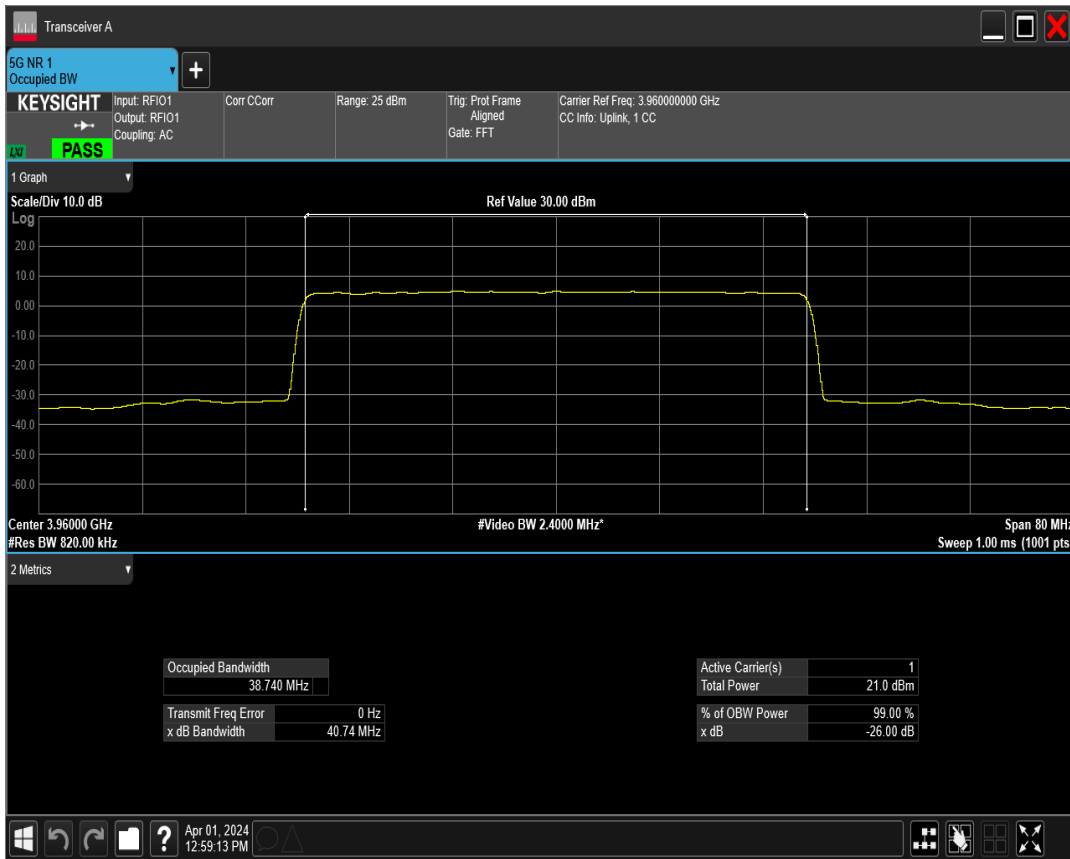
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n77(3700-3980) SCS=15kHz DFT\_QAM64 BW=40MHz Channel=664000 RB=216@0



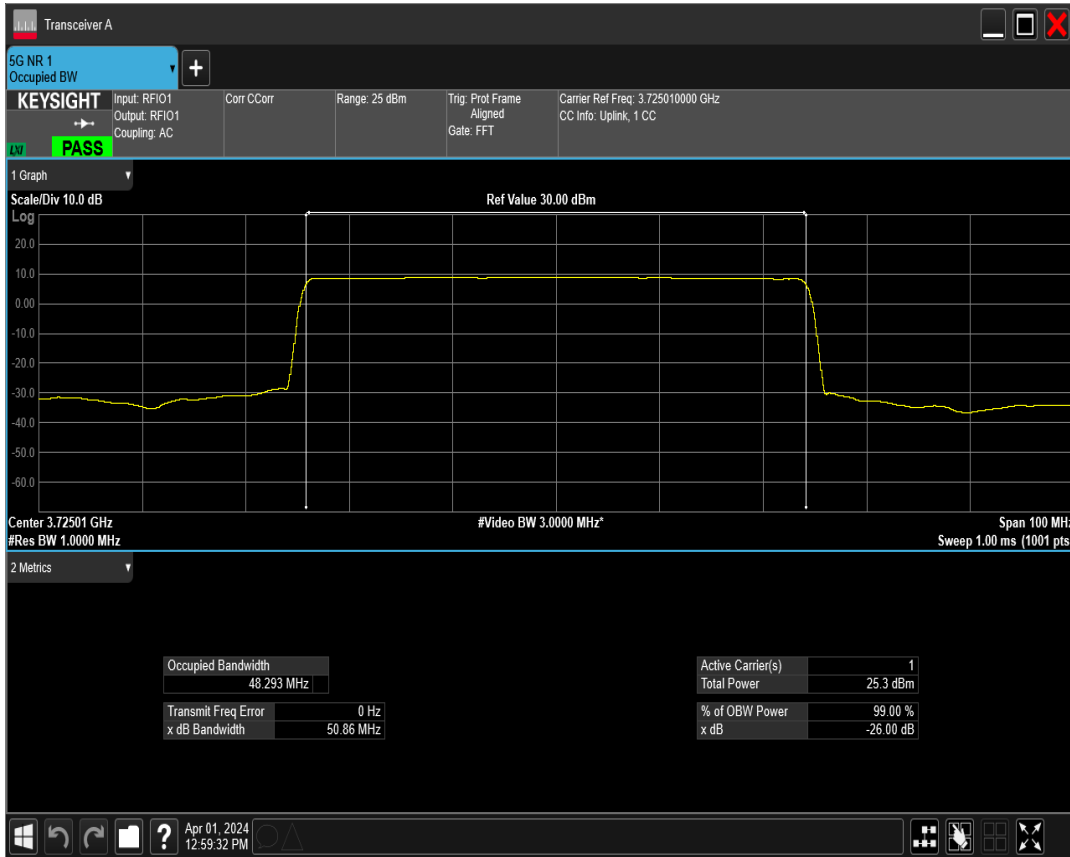
n77(3700-3980) SCS=15kHz DFT\_QAM256 BW=40MHz Channel=664000 RB=216@0



n77(3700-3980) SCS=15kHz CP\_QPSK BW=40MHz Channel=664000 RB=216@0



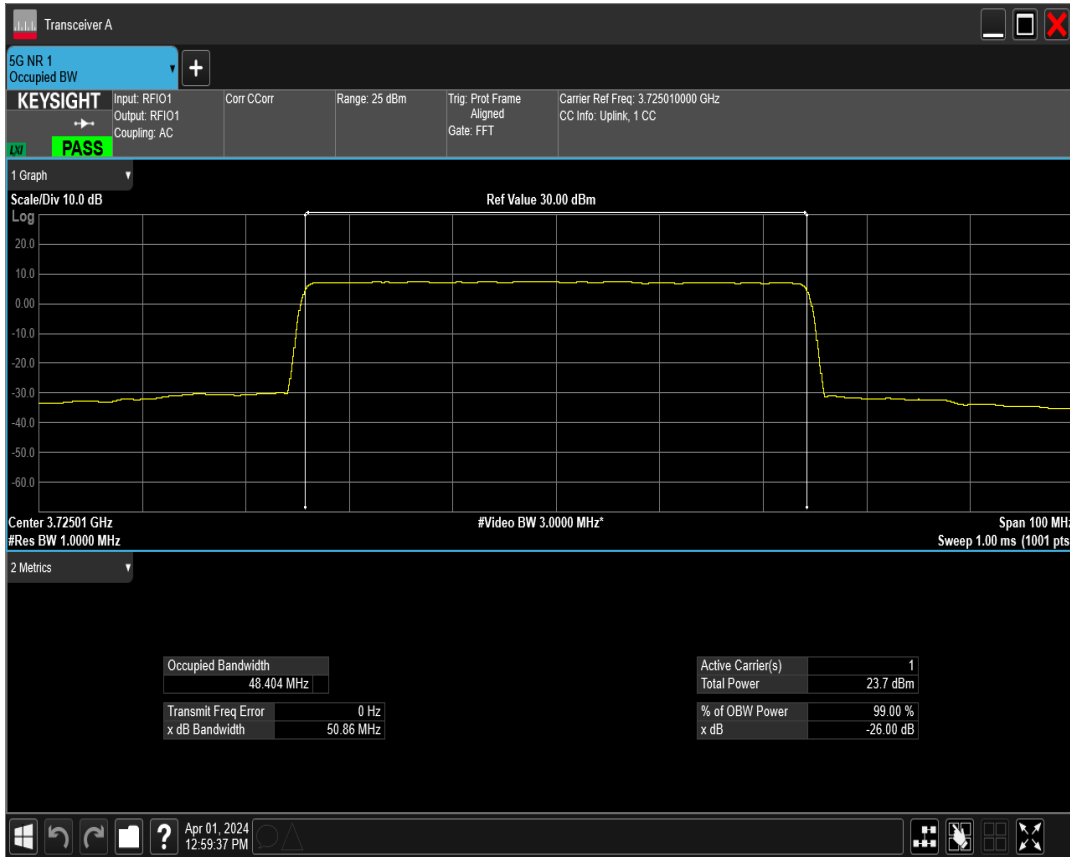
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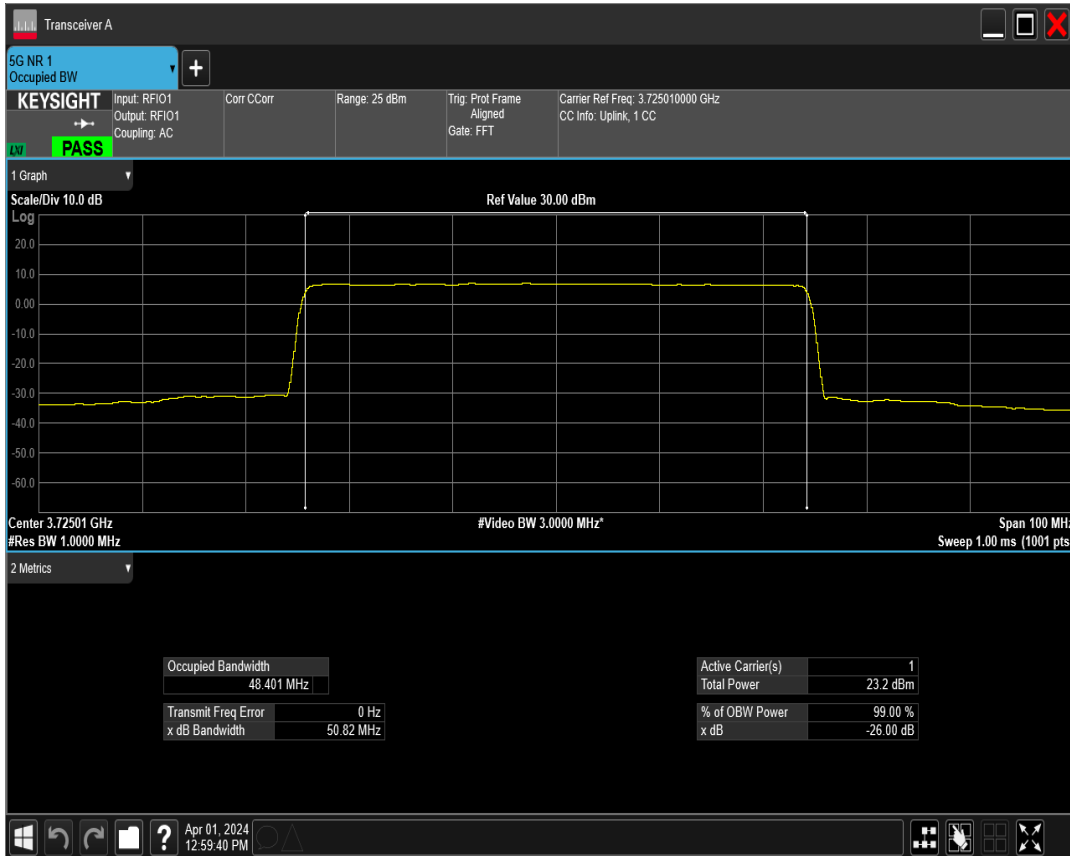
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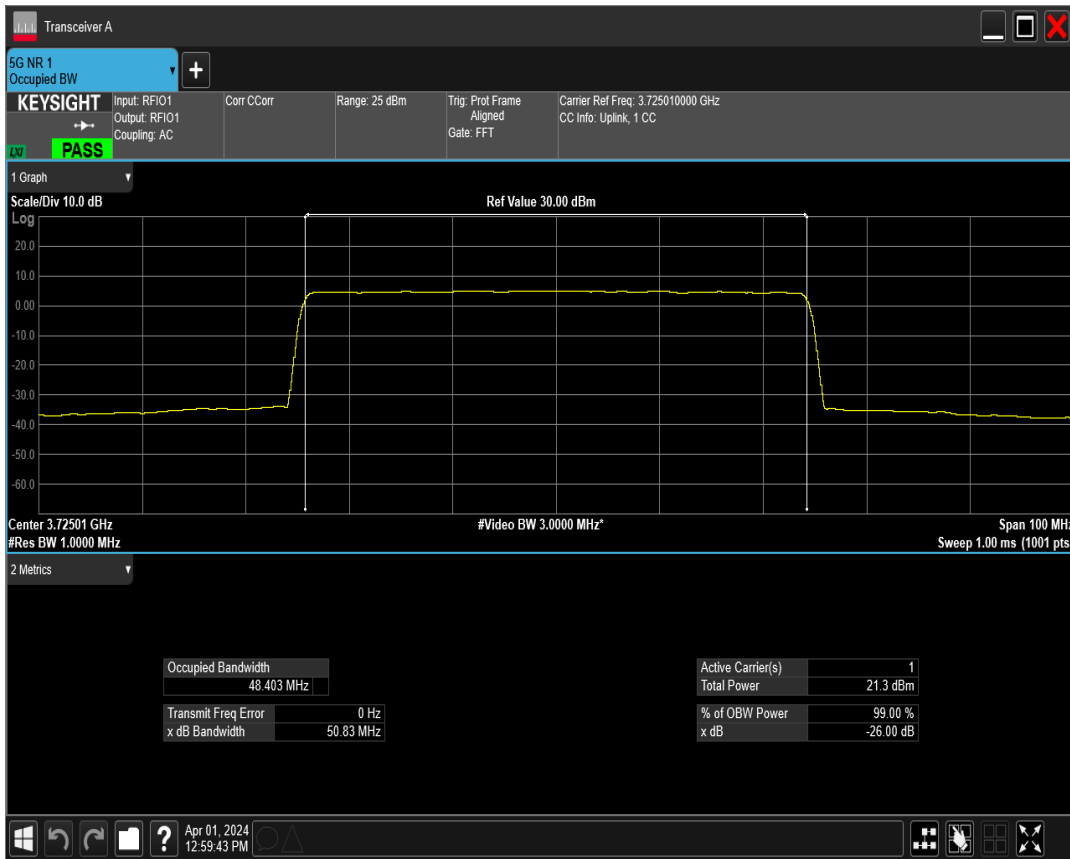
n77(3700-3980) SCS=15kHz DFT\_QAM16 BW=50MHz Channel=648334 RB=270@0



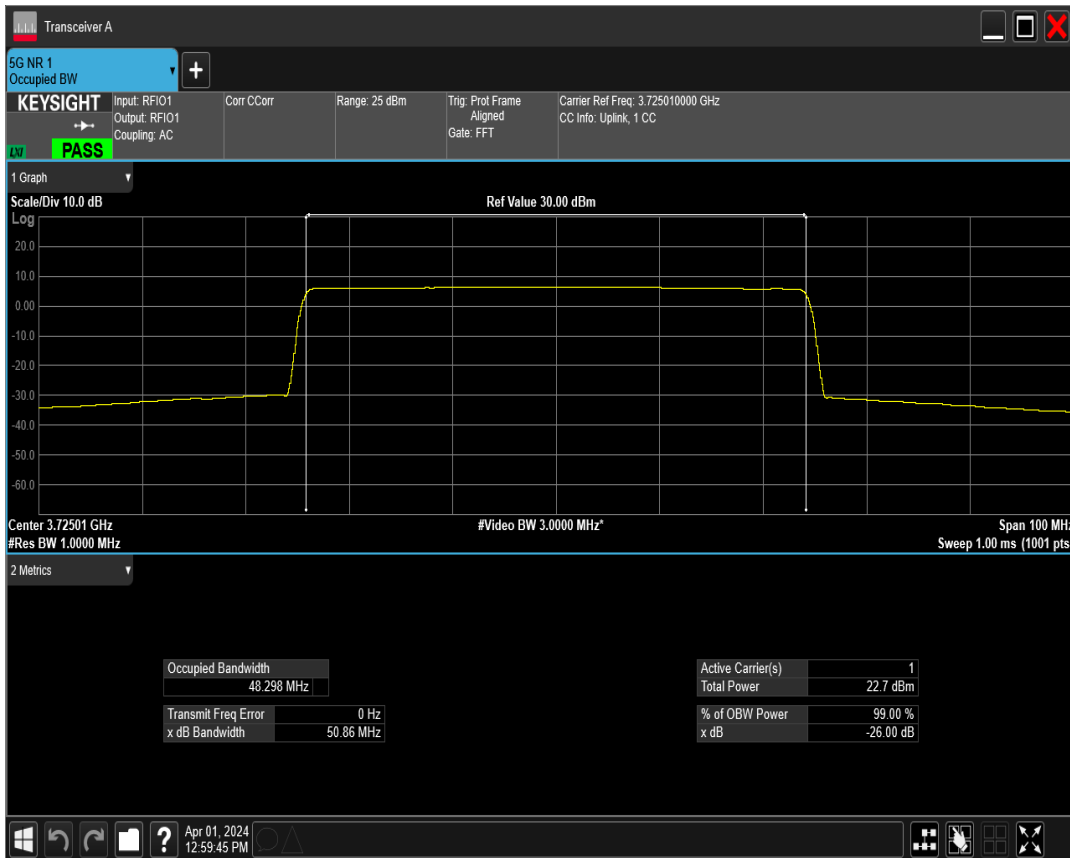
n77(3700-3980) SCS=15kHz DFT\_QAM64 BW=50MHz Channel=648334 RB=270@0



n77(3700-3980) SCS=15kHz DFT\_QAM256 BW=50MHz Channel=648334 RB=270@0



n77(3700-3980) SCS=15kHz CP\_QPSK BW=50MHz Channel=648334 RB=270@0

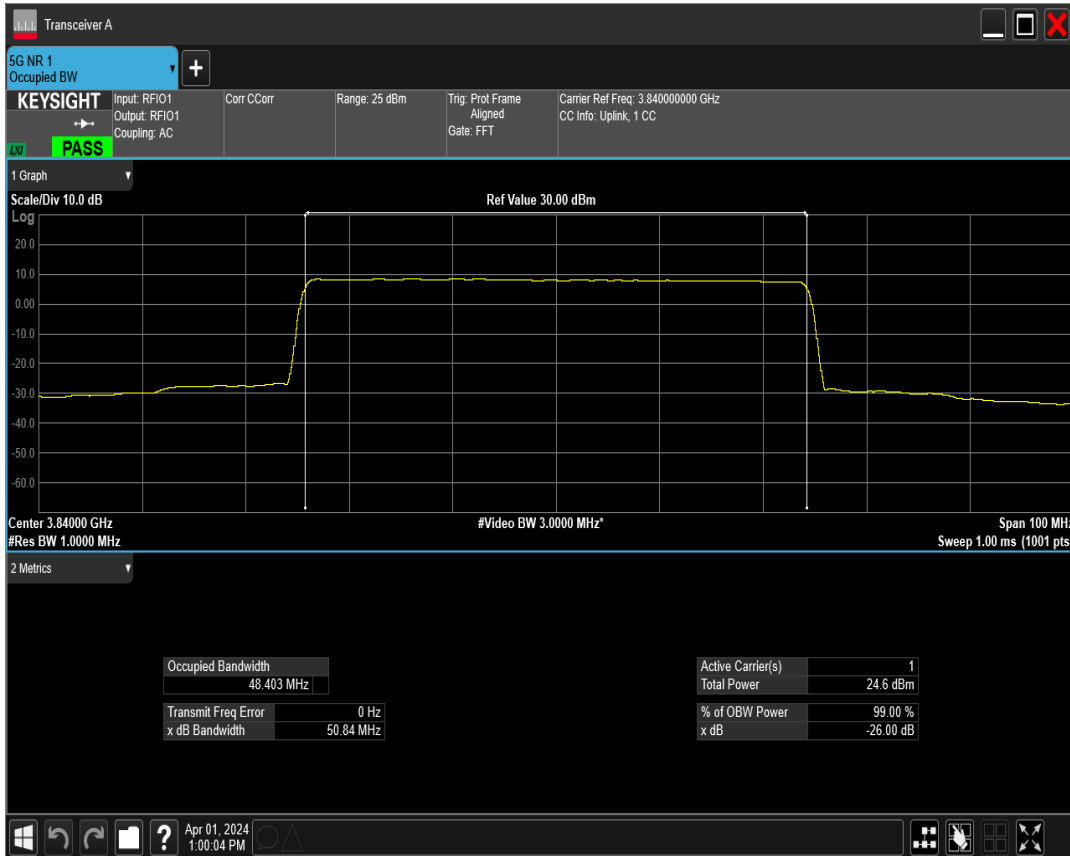




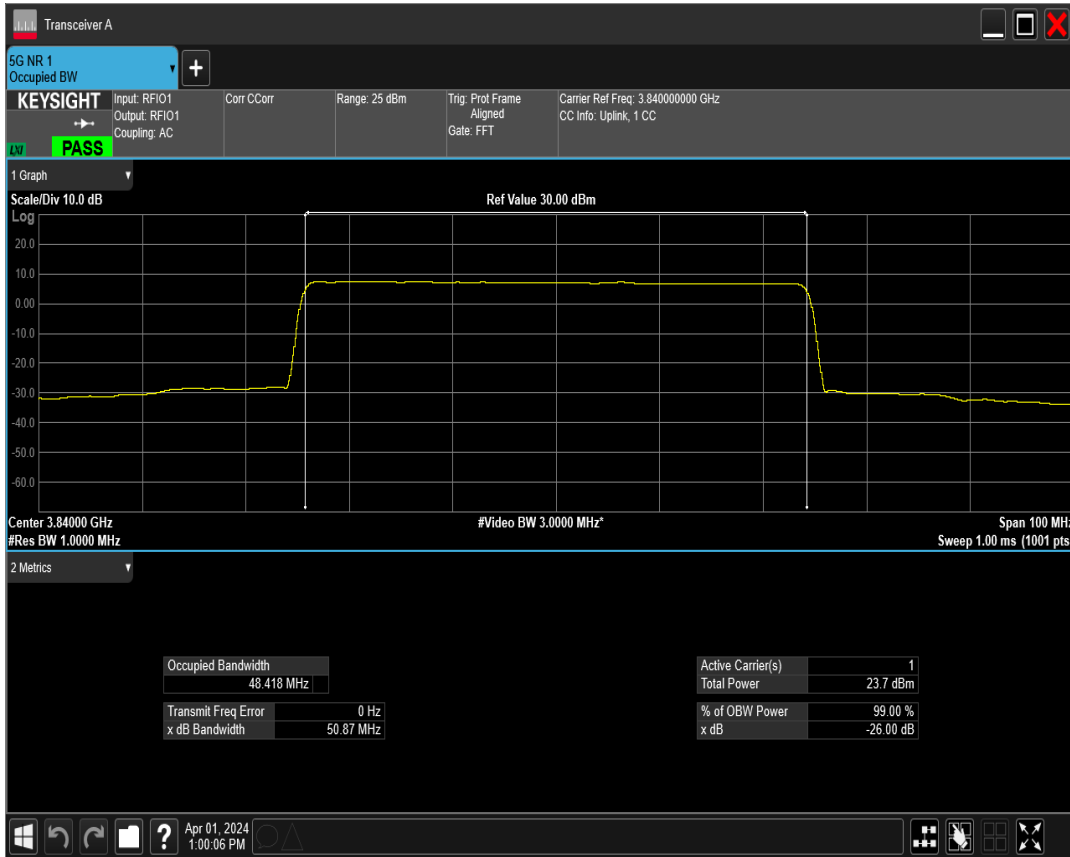
n77(3700-3980) SCS=15kHz DFT\_BPSK BW=50MHz Channel=656000 RB=270@0



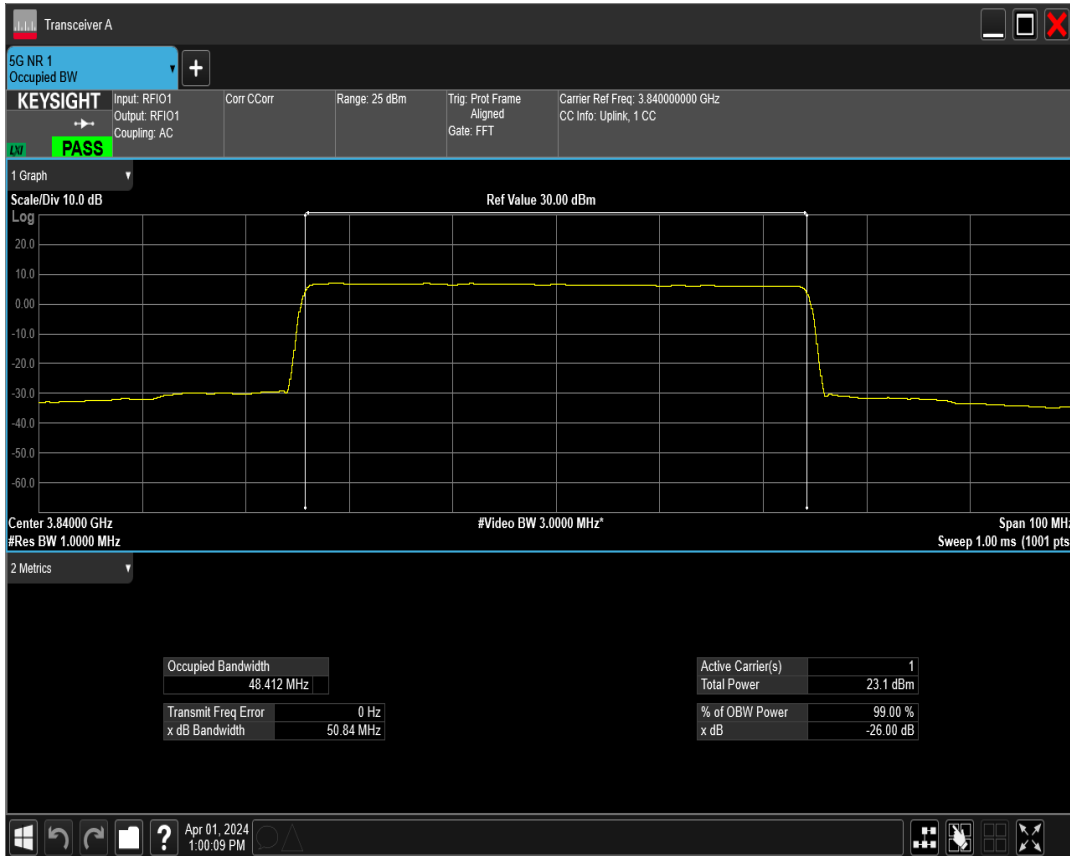
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=50MHz Channel=656000 RB=270@0



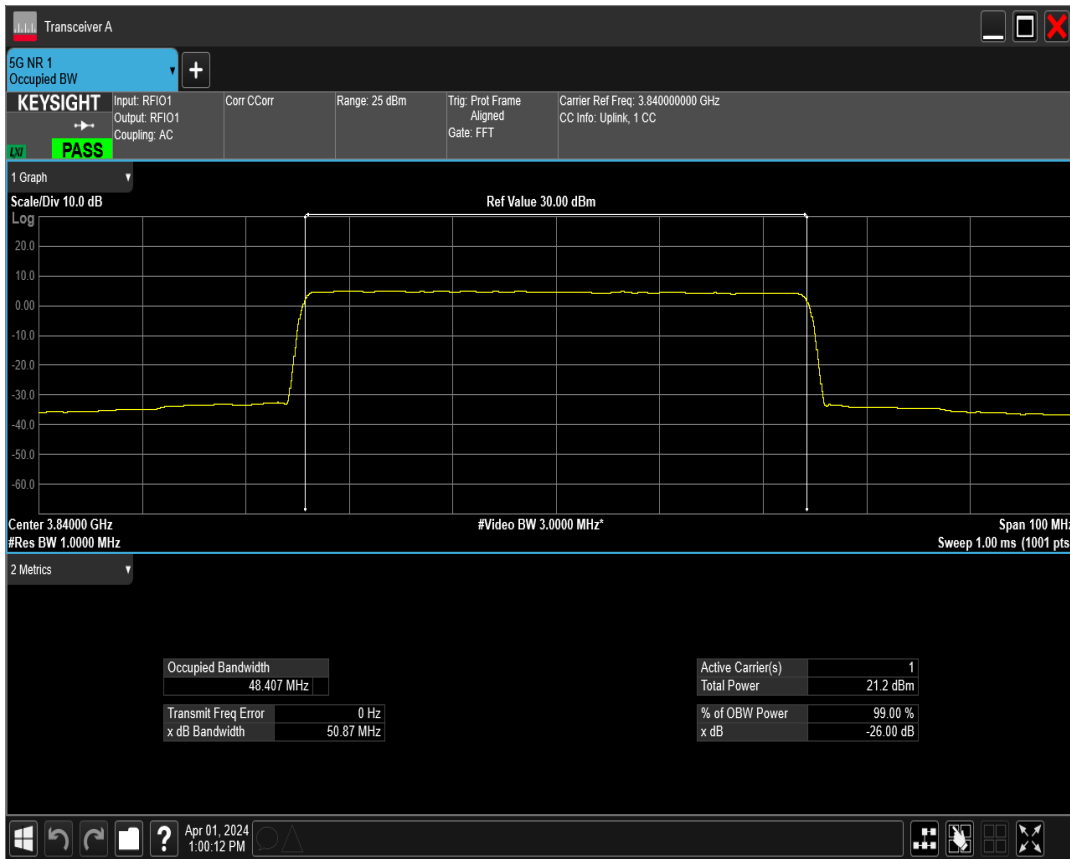
n77(3700-3980) SCS=15kHz DFT\_QAM16 BW=50MHz Channel=656000 RB=270@0



n77(3700-3980) SCS=15kHz DFT\_QAM64 BW=50MHz Channel=656000 RB=270@0



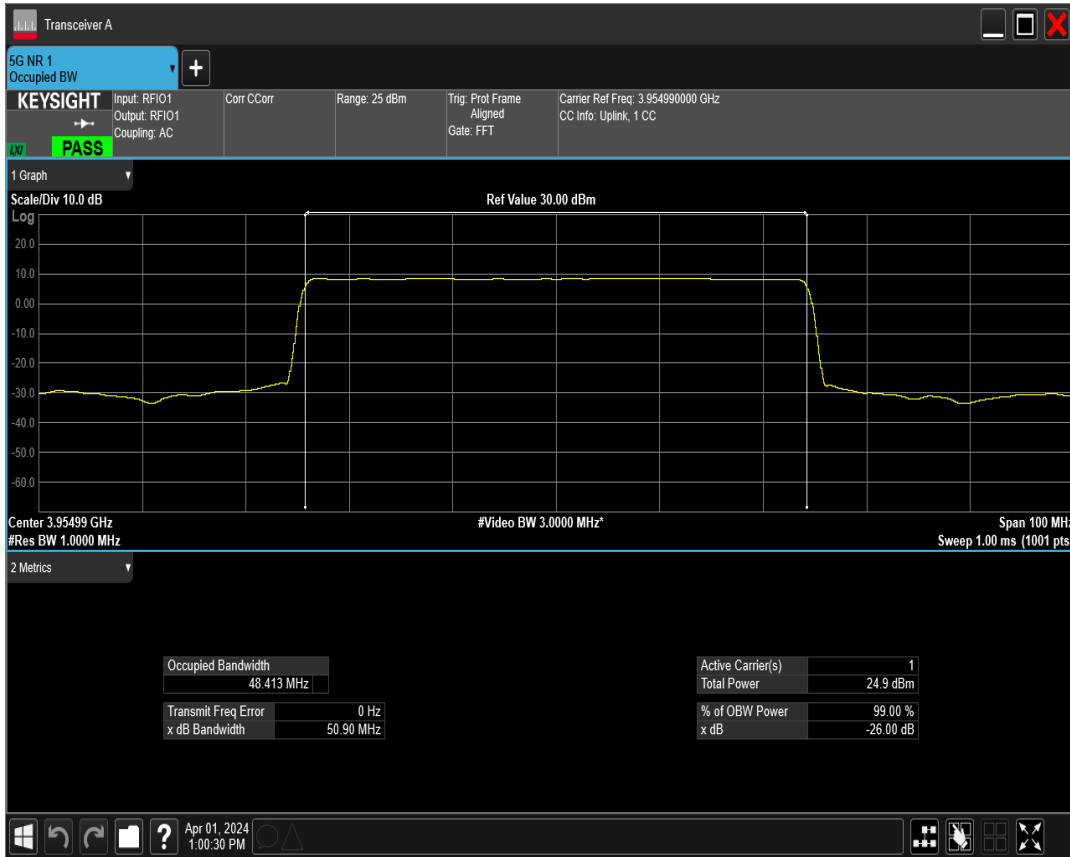
n77(3700-3980) SCS=15kHz DFT\_QAM256 BW=50MHz Channel=656000 RB=270@0



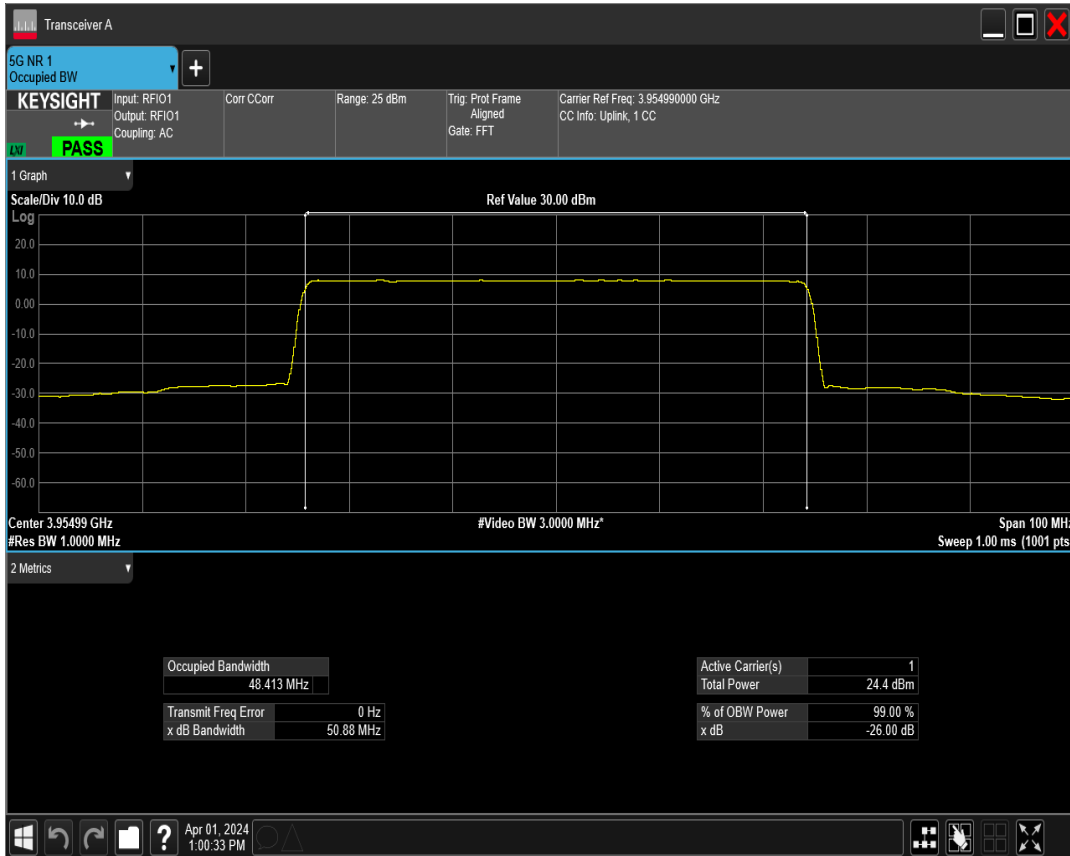
n77(3700-3980) SCS=15kHz CP\_QPSK BW=50MHz Channel=656000 RB=270@0



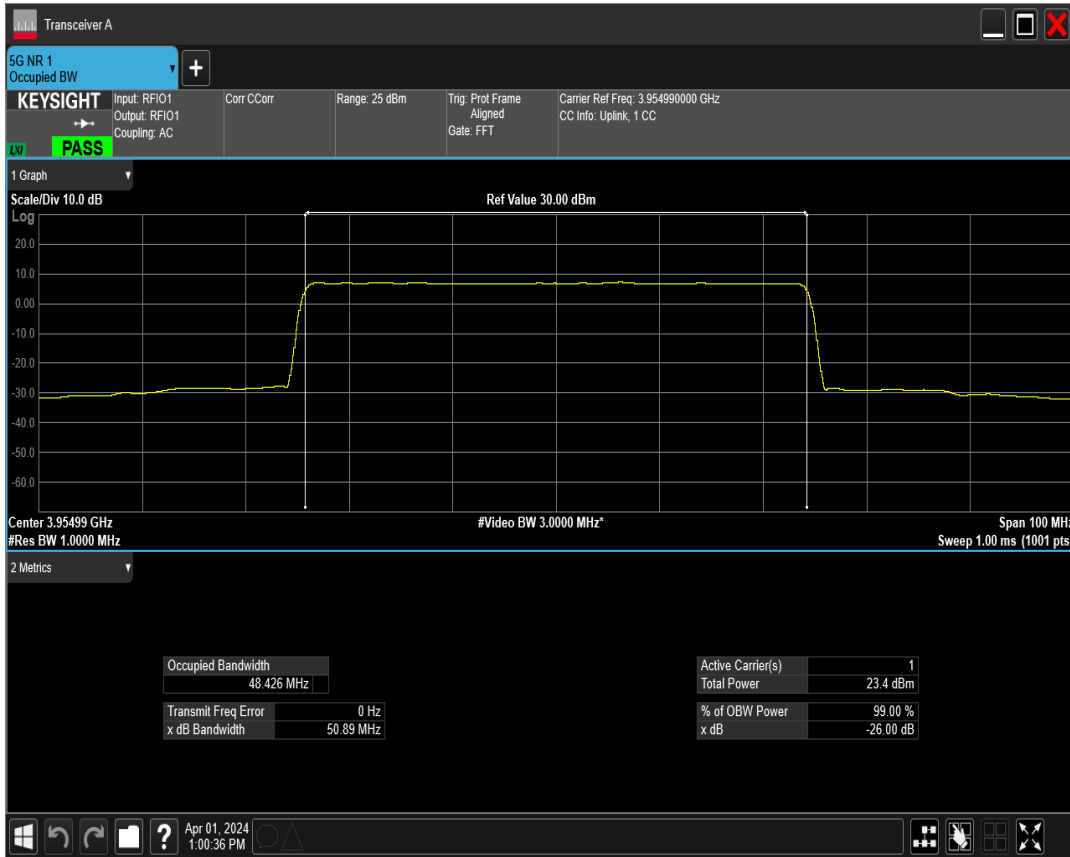
n77(3700-3980) SCS=15kHz DFT\_BPSK BW=50MHz Channel=663666 RB=270@0



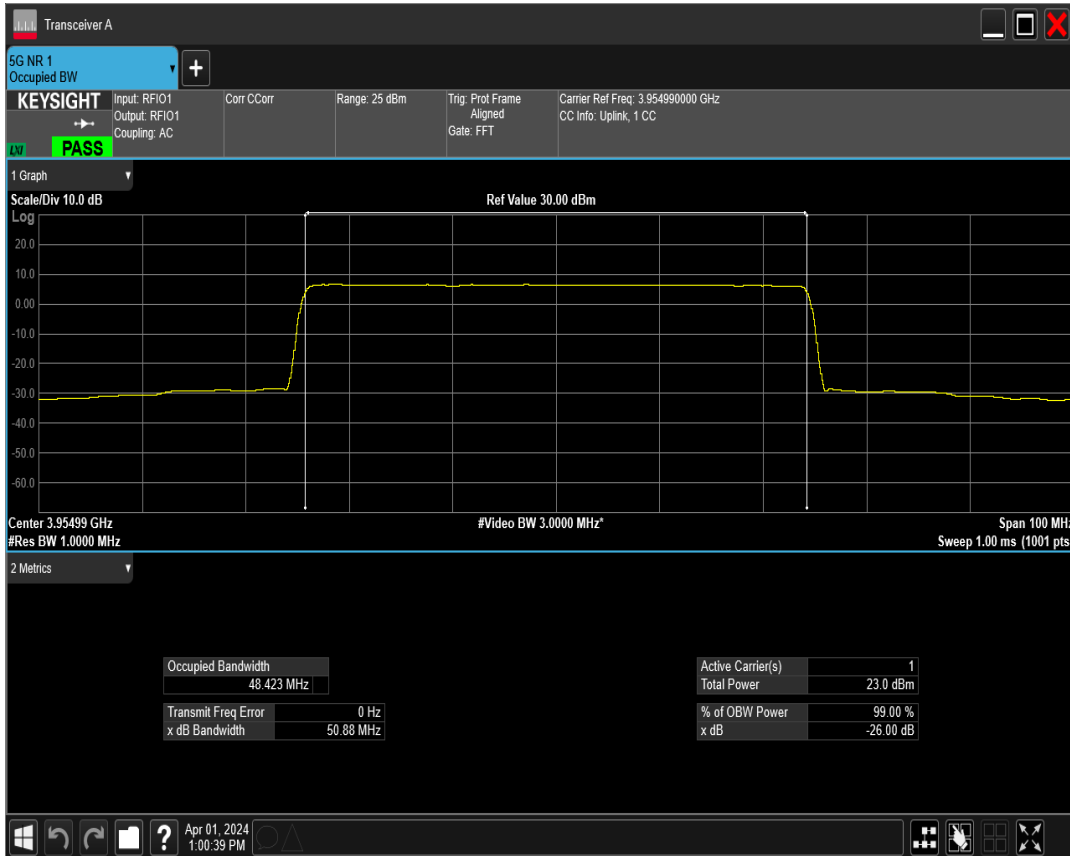
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=50MHz Channel=663666 RB=270@0



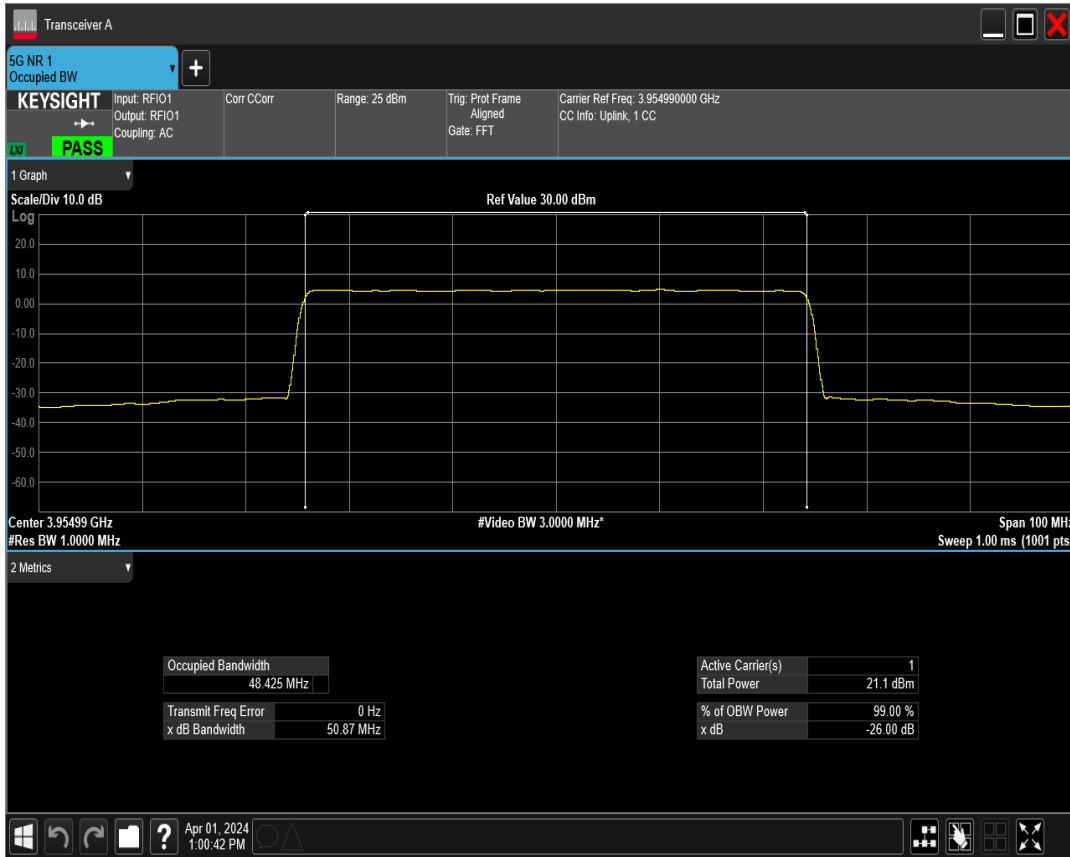
n77(3700-3980) SCS=15kHz DFT\_QAM16 BW=50MHz Channel=663666 RB=270@0



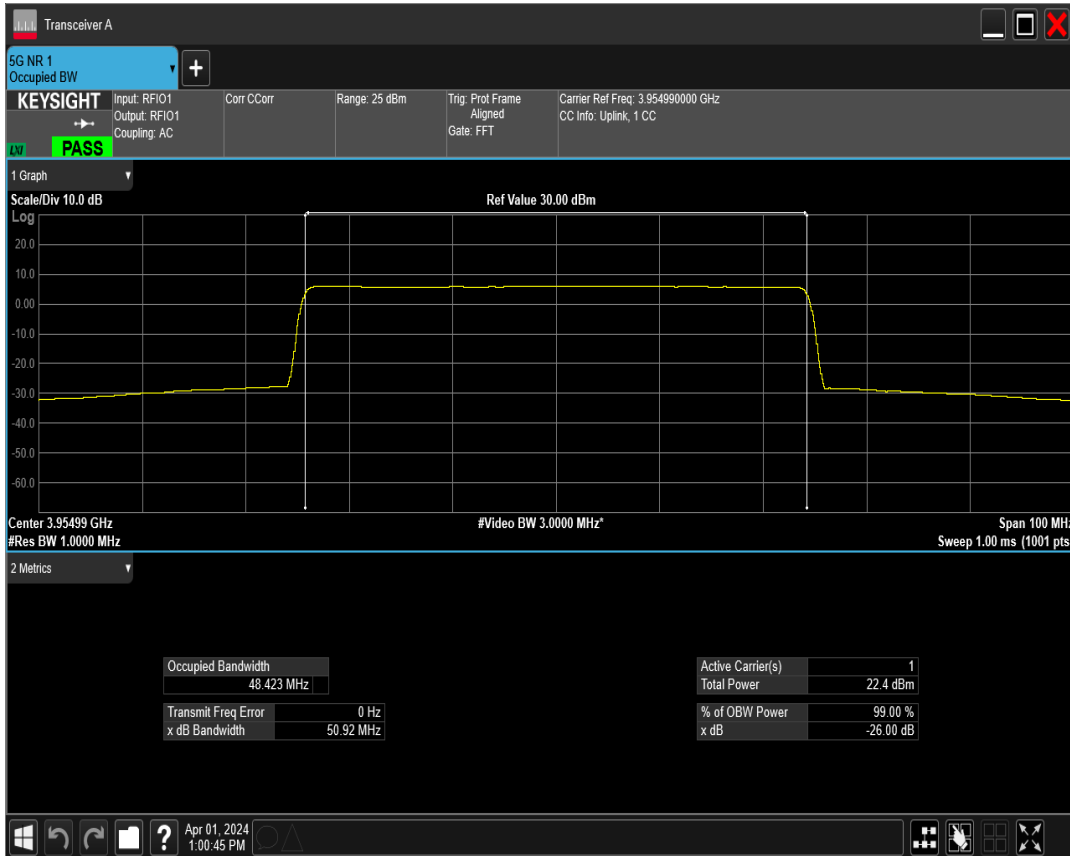
n77(3700-3980) SCS=15kHz DFT\_QAM64 BW=50MHz Channel=663666 RB=270@0



n77(3700-3980) SCS=15kHz DFT\_QAM256 BW=50MHz Channel=663666 RB=270@0



n77(3700-3980) SCS=15kHz CP\_QPSK BW=50MHz Channel=663666 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(3700-3980)	15	10	647000	50@0	DFT_QPSK	3700.00	-37.09	-13	PASS
n77(3700-3980)	15	10	647000	1@0	DFT_QPSK	3699.88	-26.72	-13	PASS
n77(3700-3980)	15	10	665000	50@0	DFT_QPSK	3983.26	-37.41	-13	PASS
n77(3700-3980)	15	10	665000	1@51	DFT_QPSK	3980.00	-17.91	-13	PASS
n77(3700-3980)	15	50	648334	270@0	DFT_QPSK	3700.00	-33.67	-13	PASS
n77(3700-3980)	15	50	648334	1@0	DFT_QPSK	3699.80	-27.33	-13	PASS
n77(3700-3980)	15	50	663666	270@0	DFT_QPSK	3980.00	-31.12	-13	PASS
n77(3700-3980)	15	50	663666	1@269	DFT_QPSK	3980.00	-28.47	-13	PASS

n77(3700-3980) SCS=15kHz DFT\_QPSK BW=10MHz Channel=647000 RB=50@0



n77(3700-3980) SCS=15kHz DFT\_QPSK BW=10MHz Channel=647000 RB=1@0





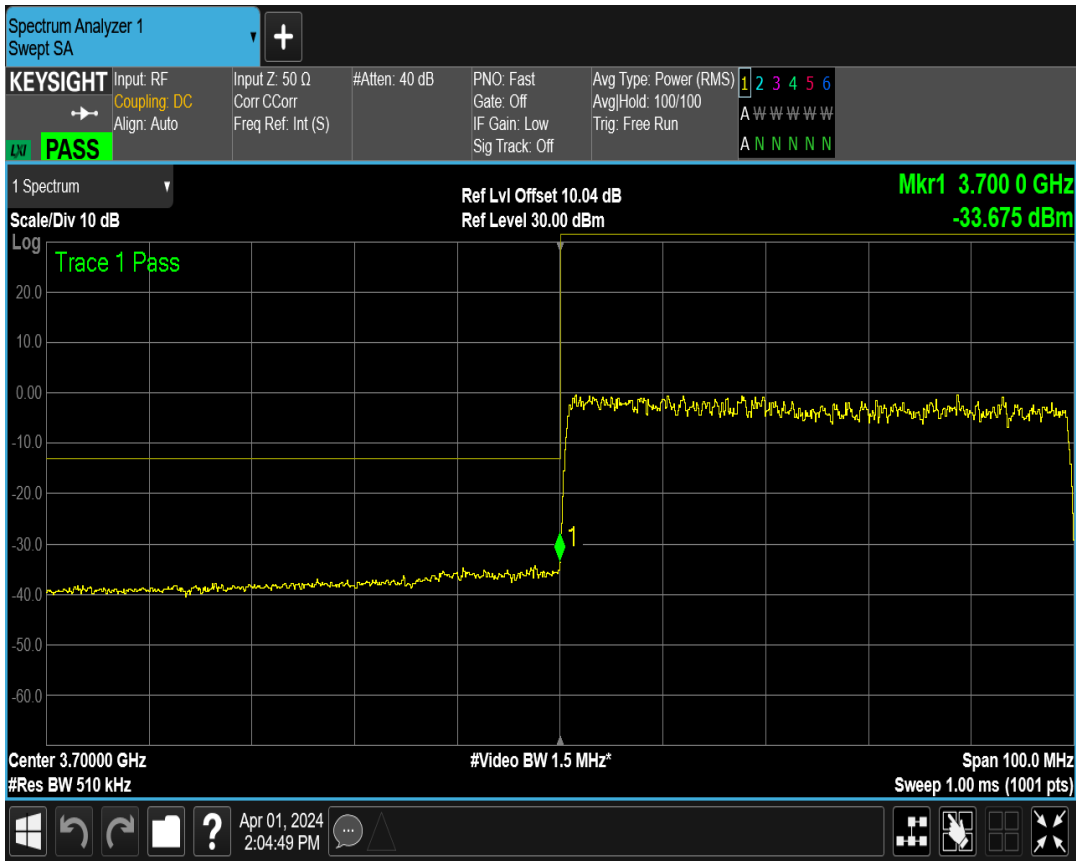
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=10MHz Channel=665000 RB=50@0



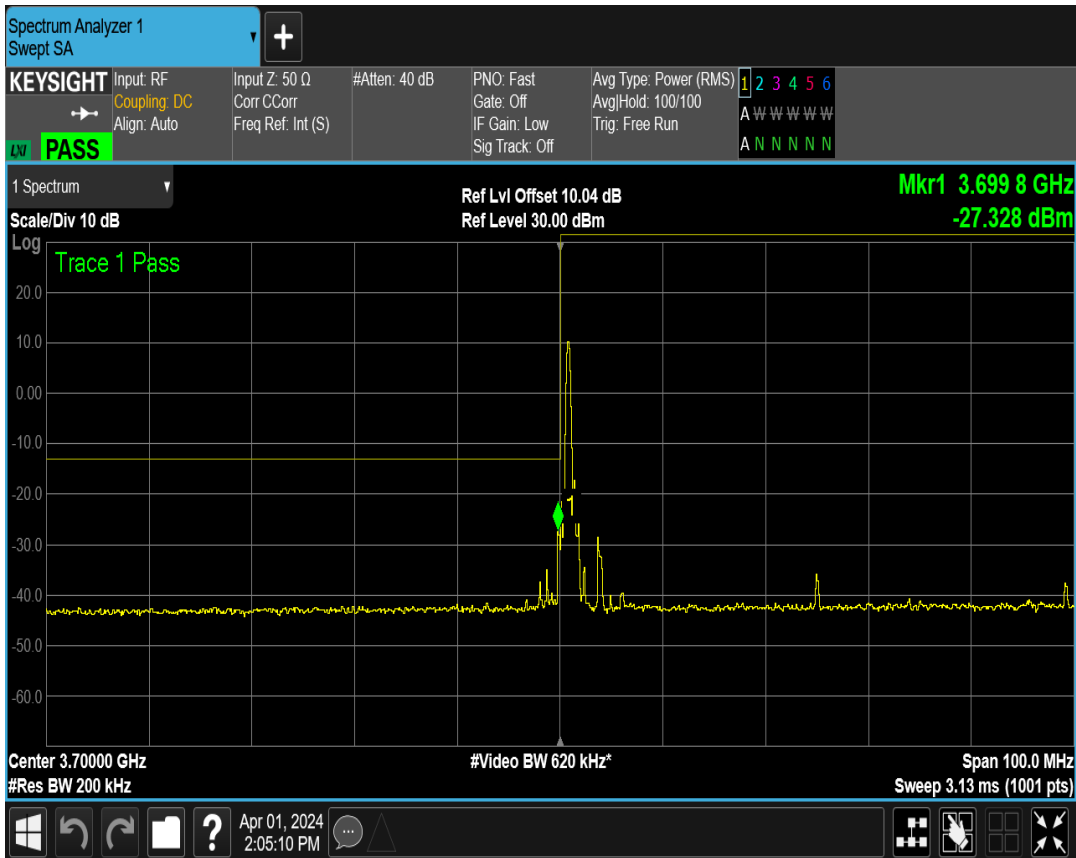
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=10MHz Channel=665000 RB=1@51



n77(3700-3980) SCS=15kHz DFT\_QPSK BW=50MHz Channel=648334 RB=270@0



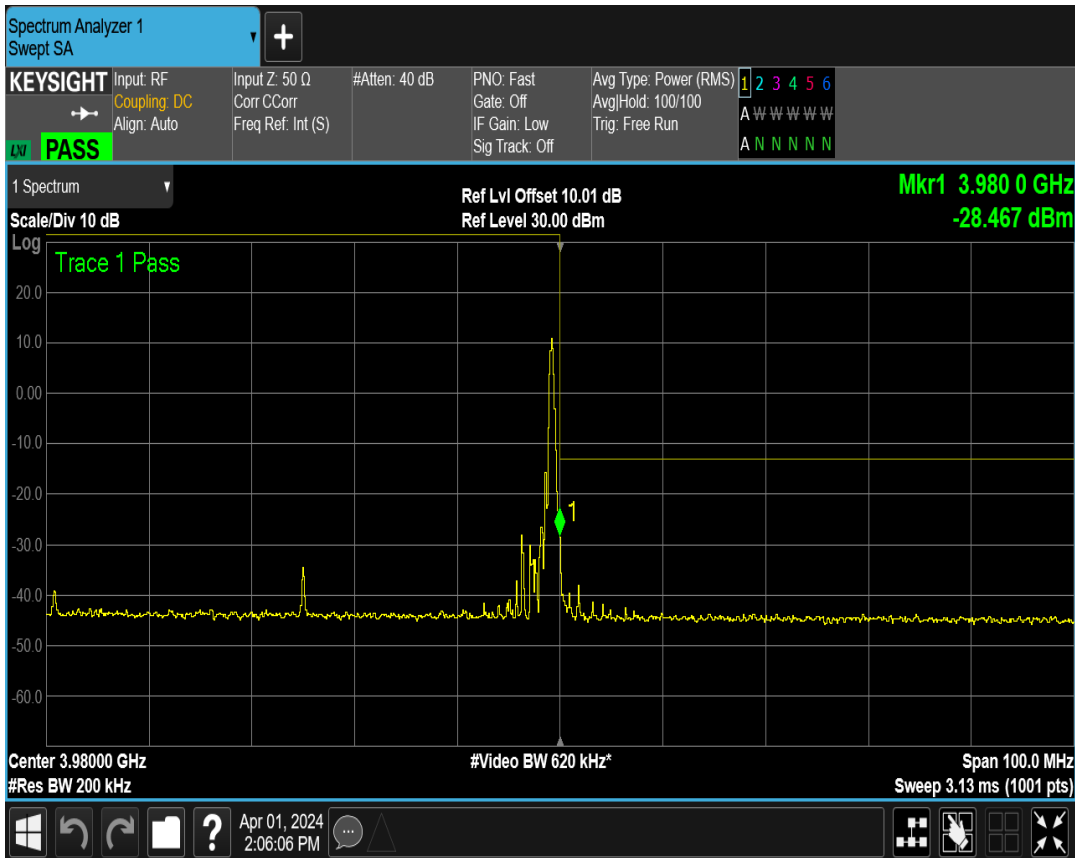
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=50MHz Channel=648334 RB=1@0



n77(3700-3980) SCS=15kHz DFT\_QPSK BW=50MHz Channel=663666 RB=270@0



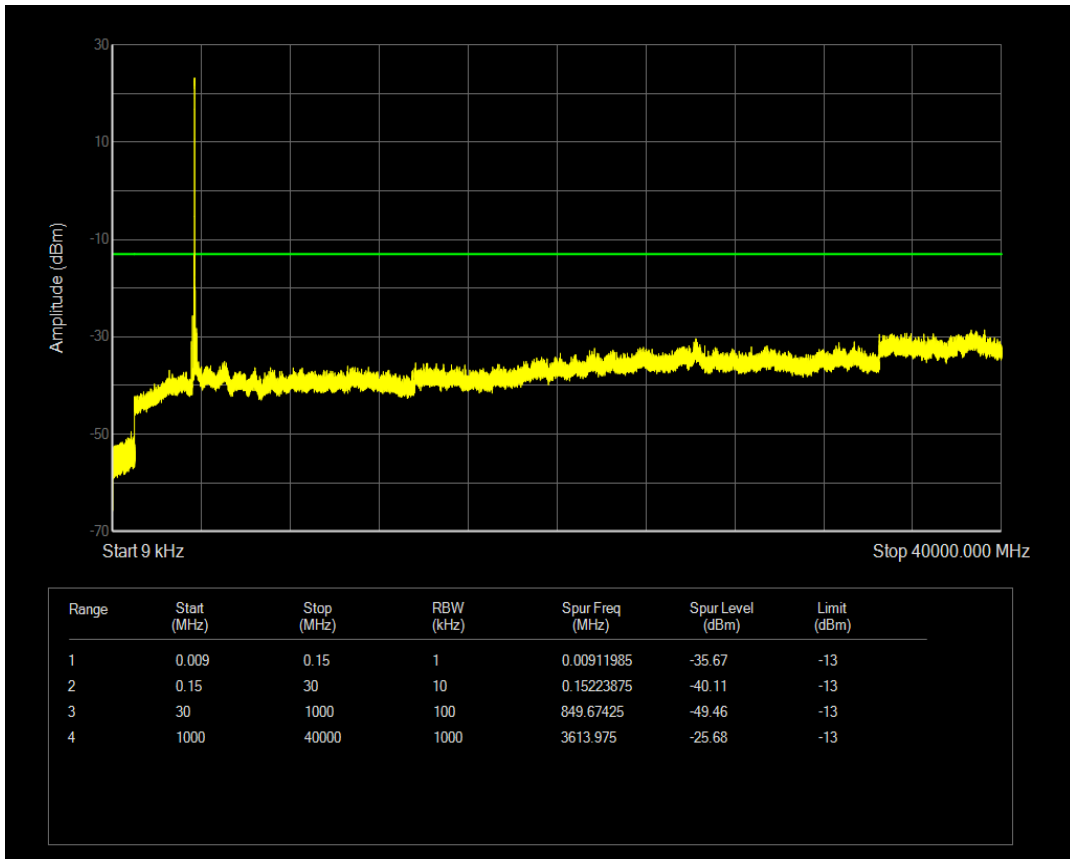
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=50MHz Channel=663666 RB=1@269



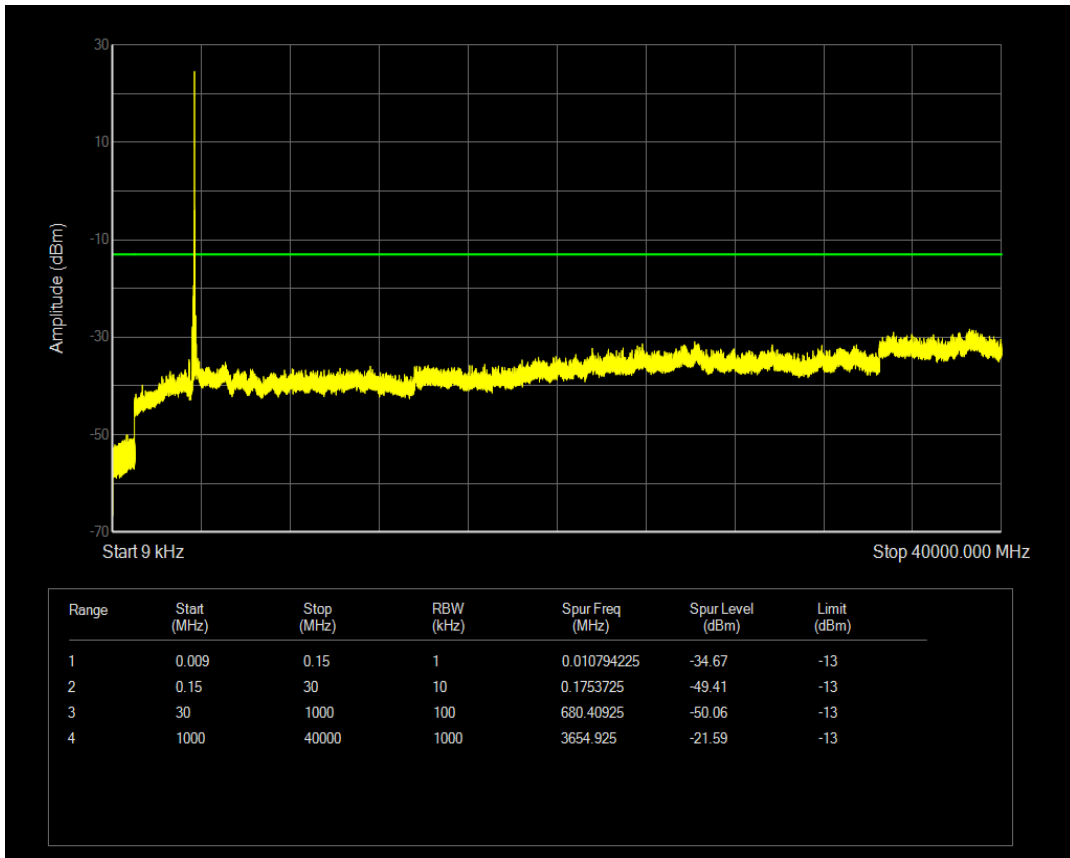
## 6 Out-of-band emissions for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n77(3700-3980)	15	10	647000	50@0	DFT_QPSK	3613.98	-25.68	-13	PASS
n77(3700-3980)	15	10	647000	1@0	DFT_QPSK	3654.93	-21.59	-13	PASS
n77(3700-3980)	15	10	647000	1@51	DFT_QPSK	38556.03	-28.49	-13	PASS
n77(3700-3980)	15	10	656000	50@0	DFT_QPSK	38675.95	-27.80	-13	PASS
n77(3700-3980)	15	10	656000	1@0	DFT_QPSK	38594.05	-28.47	-13	PASS
n77(3700-3980)	15	10	656000	1@51	DFT_QPSK	35135.73	-28.39	-13	PASS
n77(3700-3980)	15	10	665000	50@0	DFT_QPSK	38588.20	-27.87	-13	PASS
n77(3700-3980)	15	10	665000	1@0	DFT_QPSK	38741.28	-28.19	-13	PASS
n77(3700-3980)	15	10	665000	1@51	DFT_QPSK	38781.25	-27.40	-13	PASS
n77(3700-3980)	15	50	648334	270@0	DFT_QPSK	35149.38	-27.93	-13	PASS
n77(3700-3980)	15	50	648334	1@0	DFT_QPSK	38709.10	-27.86	-13	PASS
n77(3700-3980)	15	50	648334	1@269	DFT_QPSK	38598.93	-28.10	-13	PASS
n77(3700-3980)	15	50	656000	270@0	DFT_QPSK	35105.50	-28.78	-13	PASS
n77(3700-3980)	15	50	656000	1@0	DFT_QPSK	38062.68	-28.69	-13	PASS
n77(3700-3980)	15	50	656000	1@269	DFT_QPSK	34585.83	-28.89	-13	PASS
n77(3700-3980)	15	50	663666	270@0	DFT_QPSK	38604.78	-28.36	-13	PASS
n77(3700-3980)	15	50	663666	1@0	DFT_QPSK	38057.80	-28.33	-13	PASS
n77(3700-3980)	15	50	663666	1@269	DFT_QPSK	38833.90	-28.63	-13	PASS

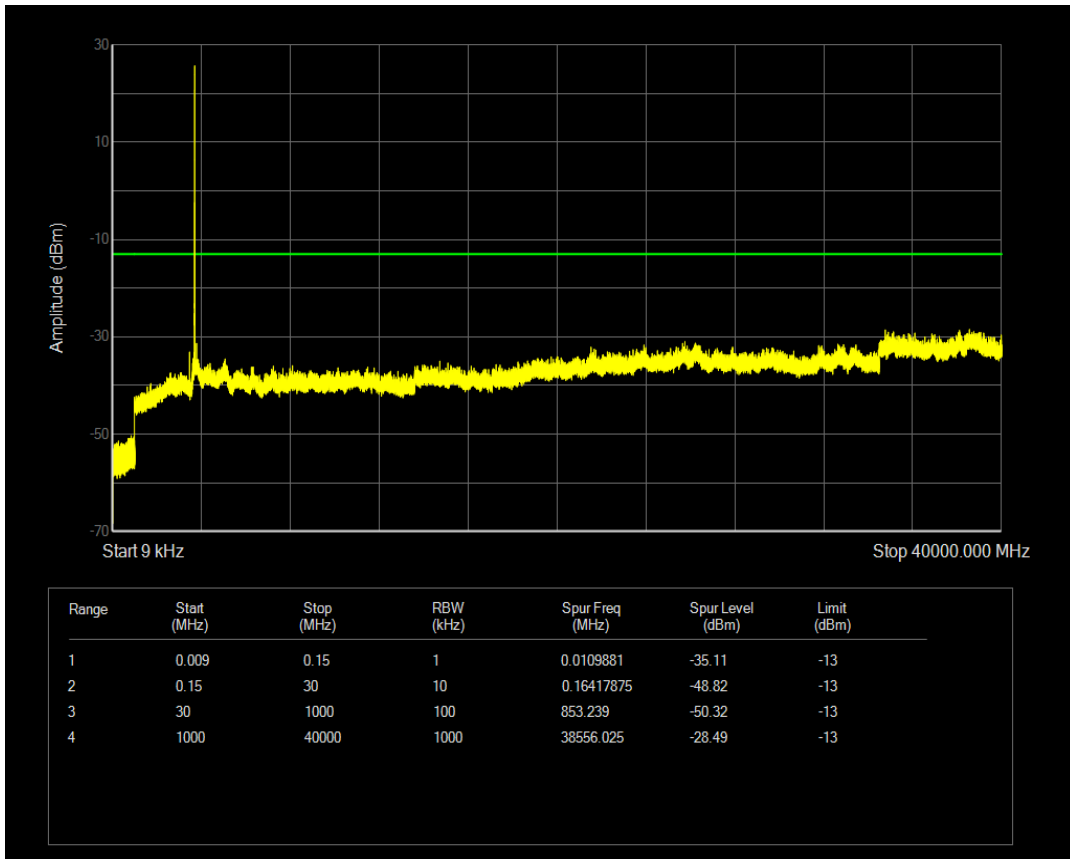
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=10MHz Channel=647000 RB=50@0



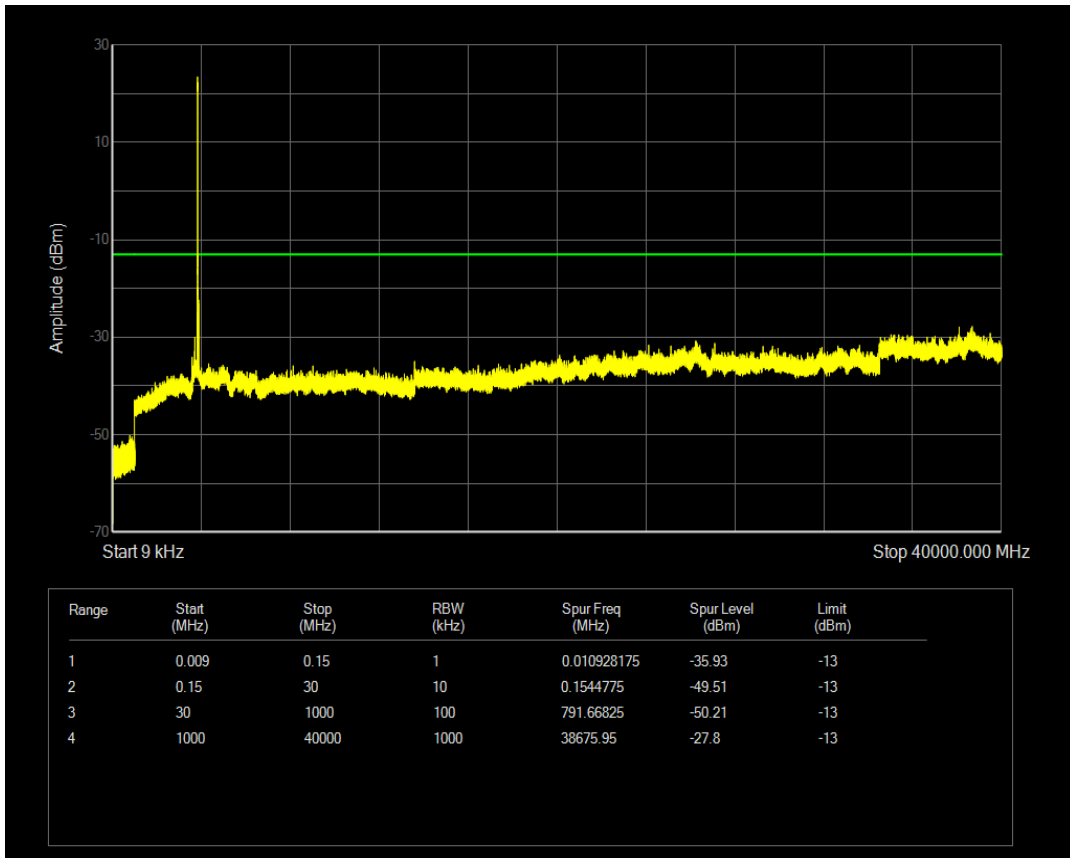
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=10MHz Channel=647000 RB=1@0



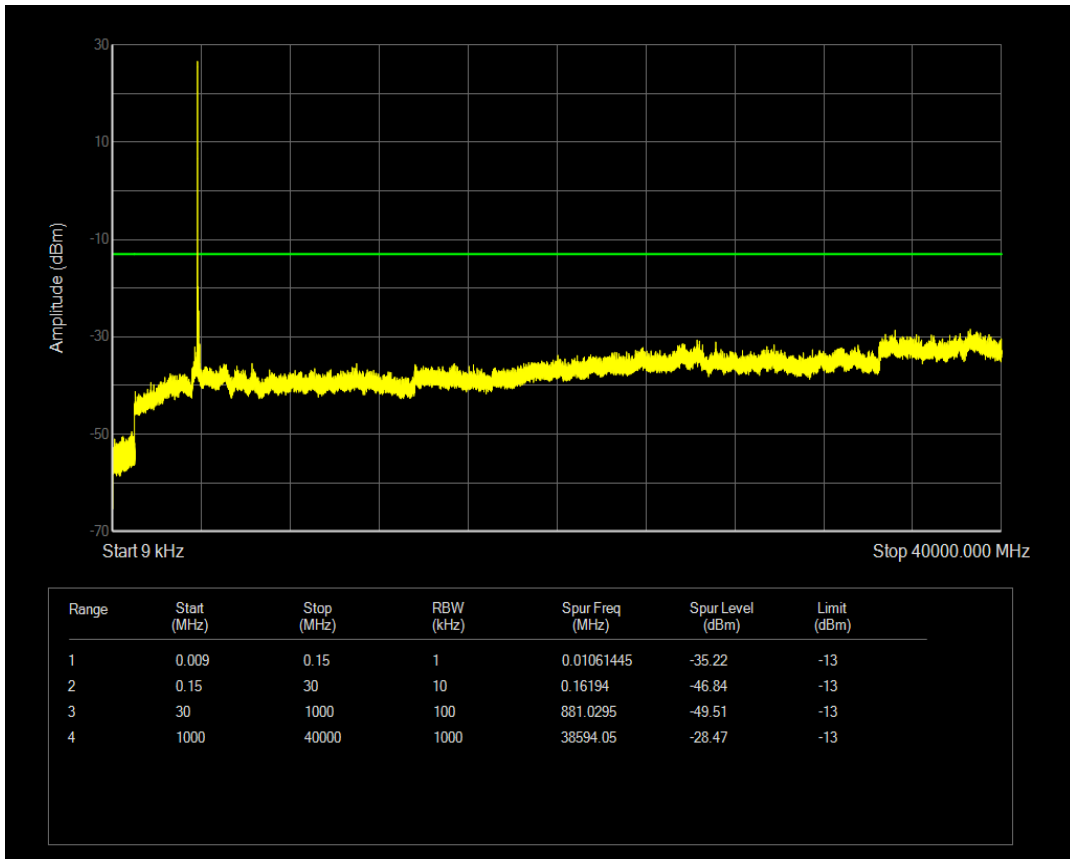
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=10MHz Channel=647000 RB=1@51



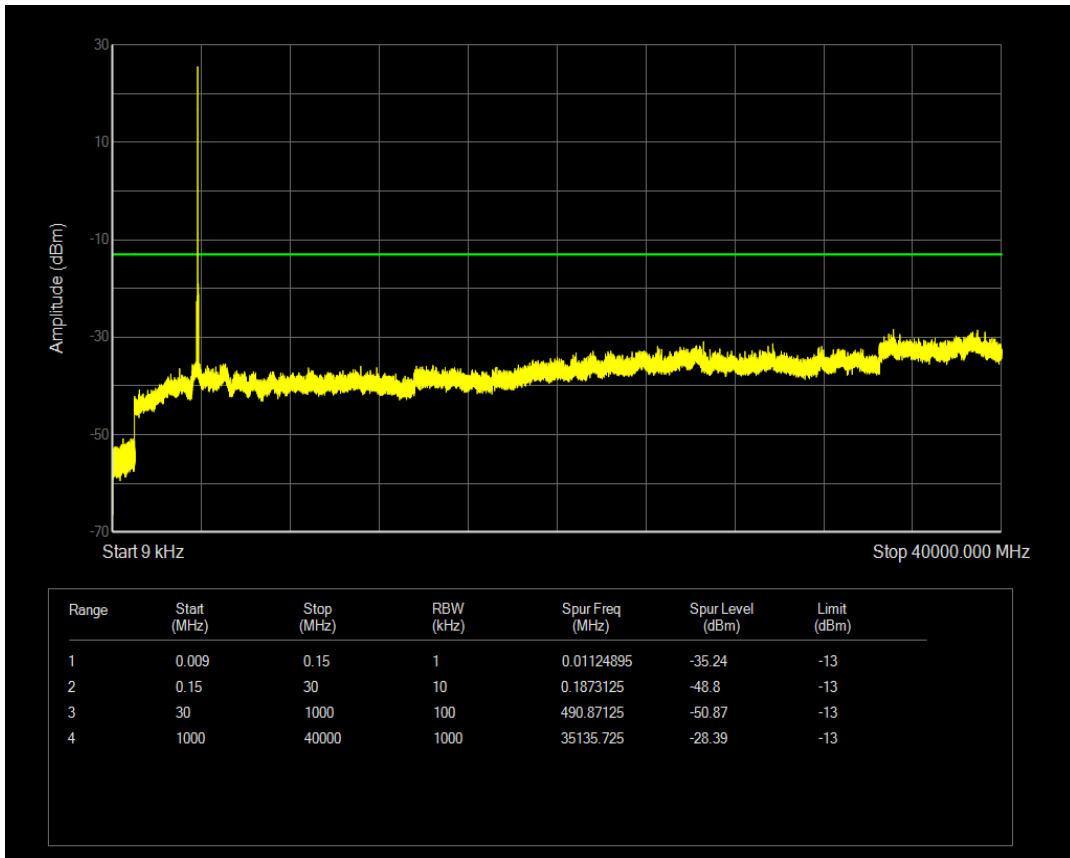
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=10MHz Channel=656000 RB=50@0



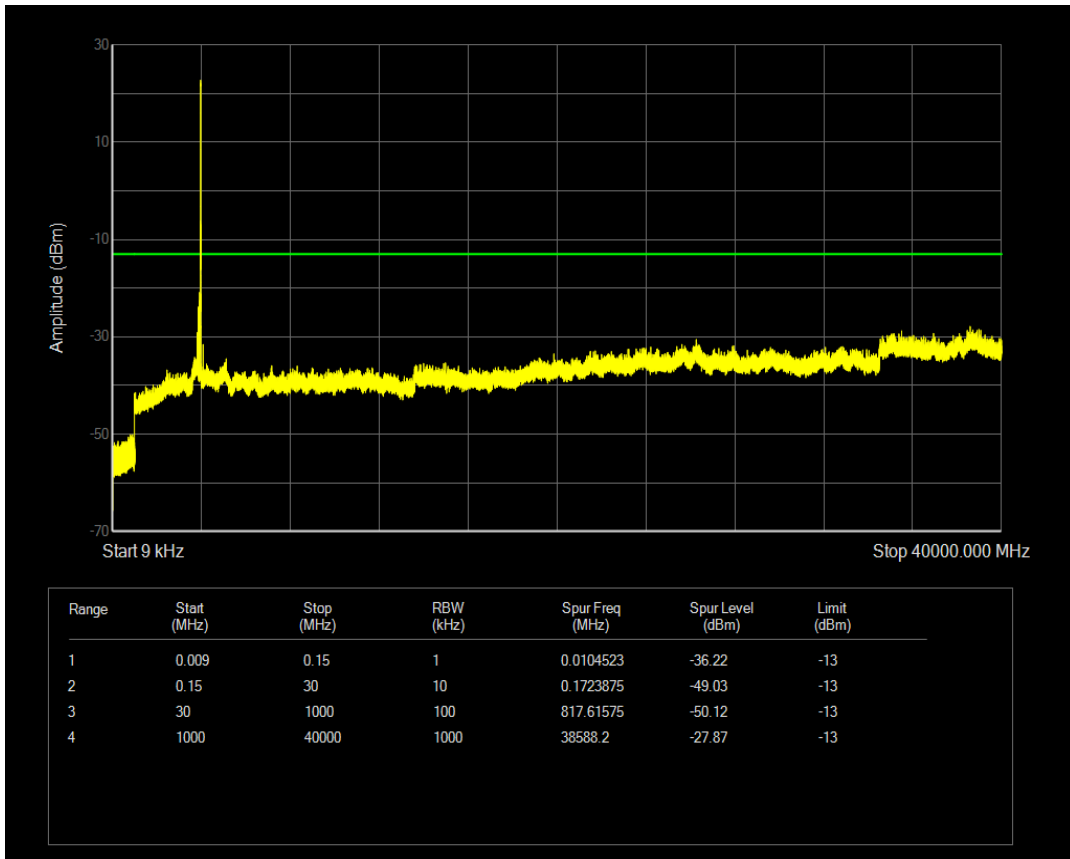
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=10MHz Channel=656000 RB=1@0



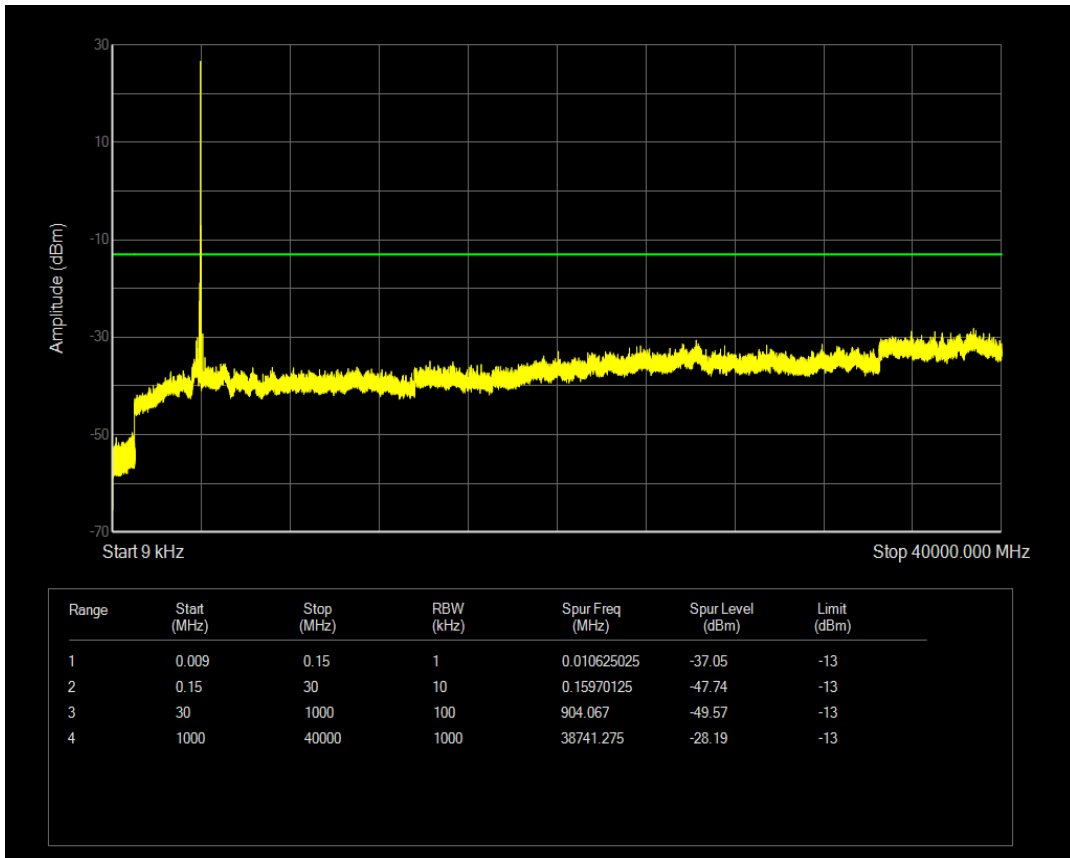
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=10MHz Channel=656000 RB=1@51



n77(3700-3980) SCS=15kHz DFT\_QPSK BW=10MHz Channel=665000 RB=50@0

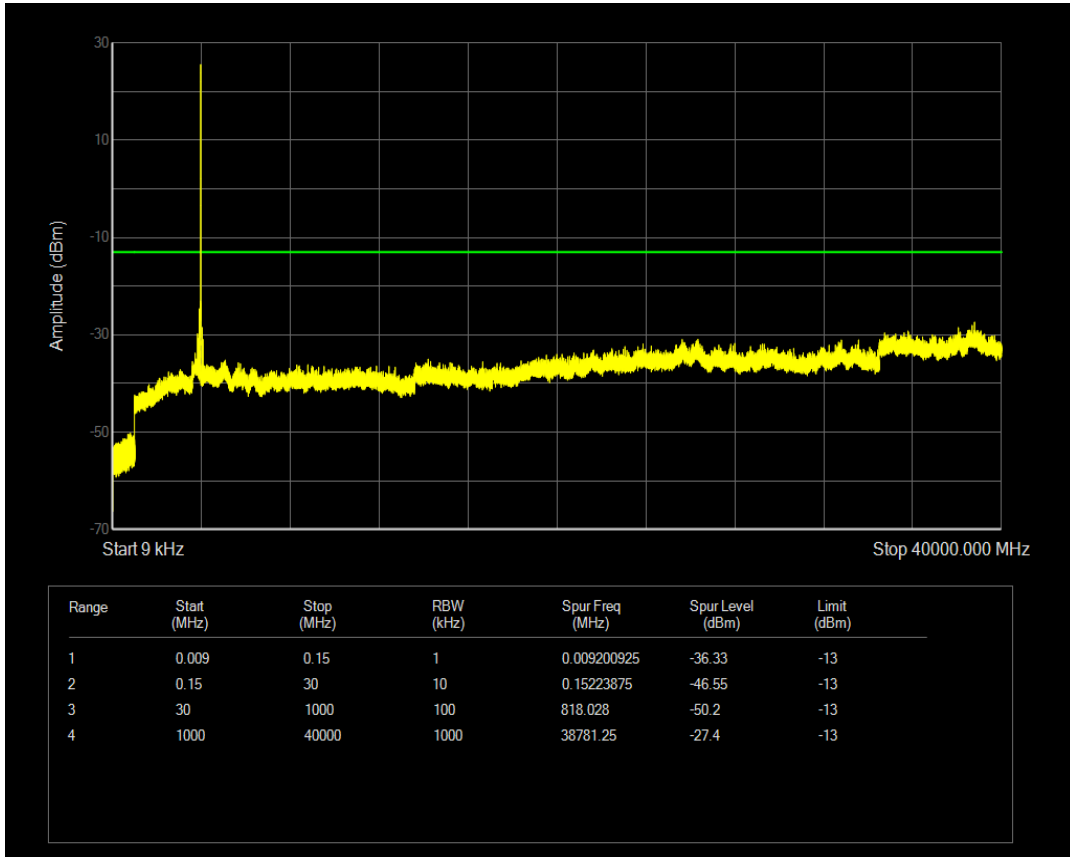


n77(3700-3980) SCS=15kHz DFT\_QPSK BW=10MHz Channel=665000 RB=1@0

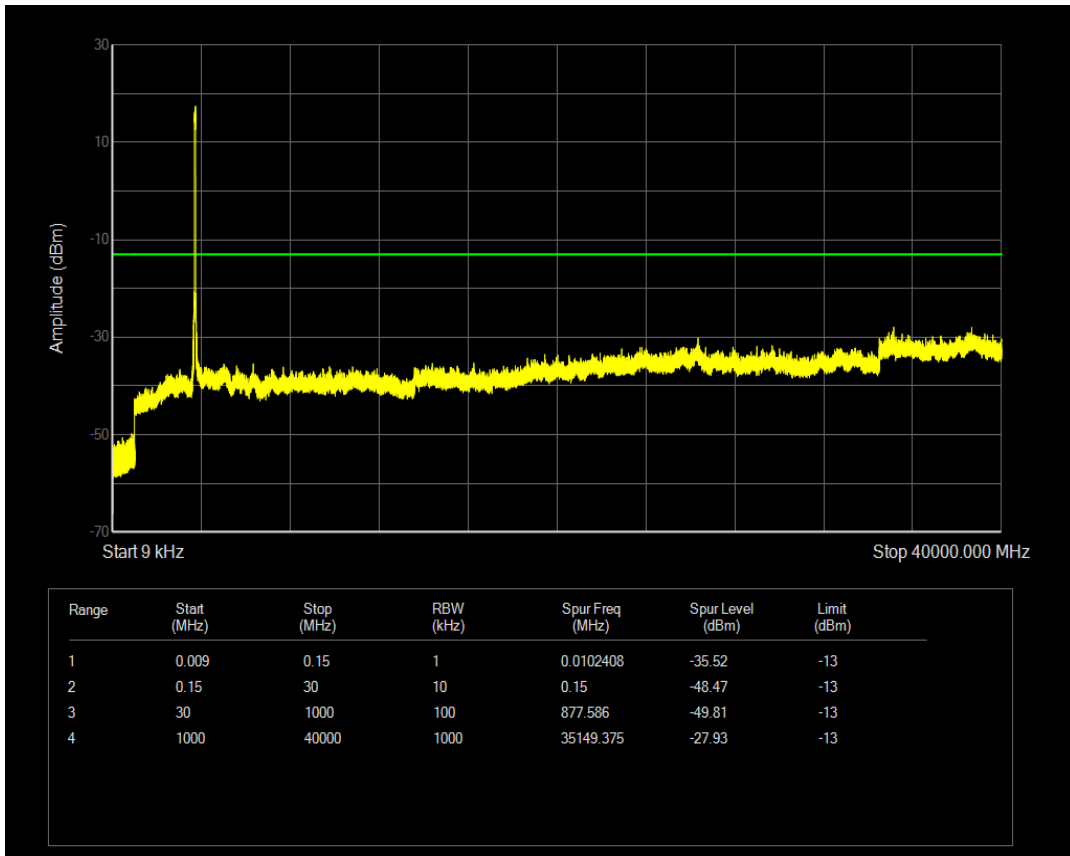




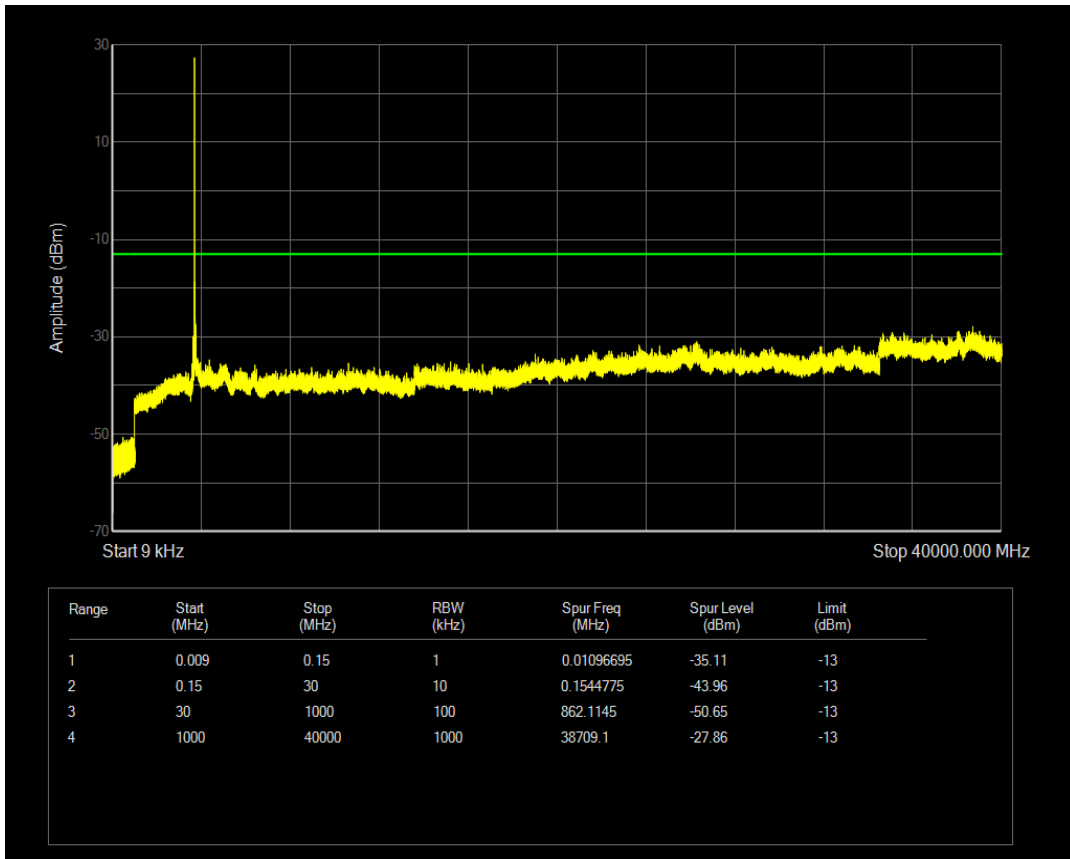
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=10MHz Channel=665000 RB=1@51



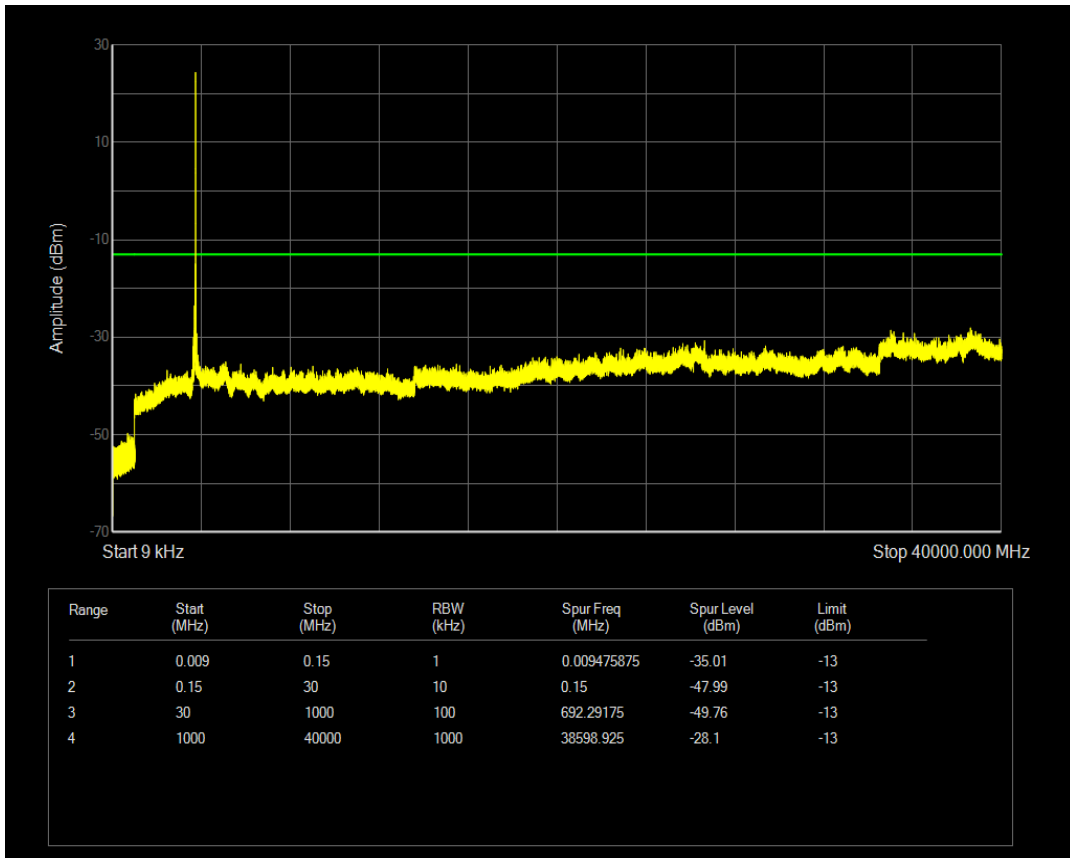
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=50MHz Channel=648334 RB=270@0



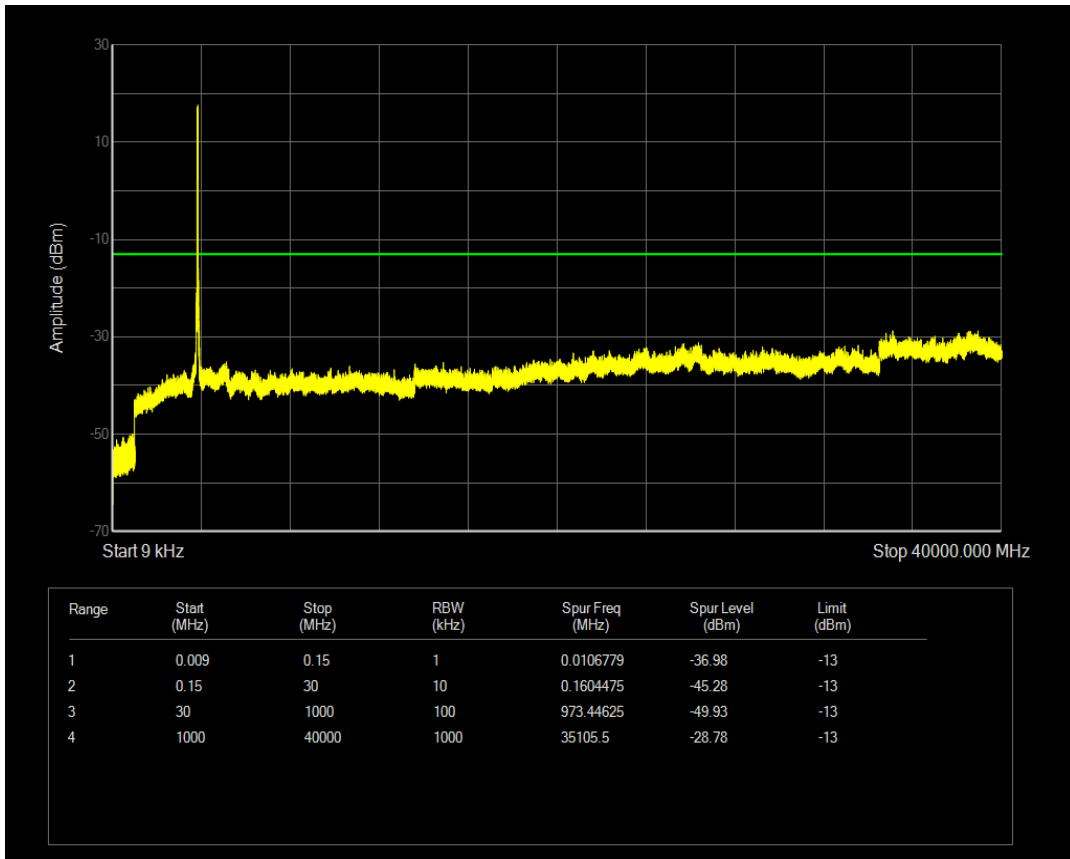
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=50MHz Channel=648334 RB=1 @0



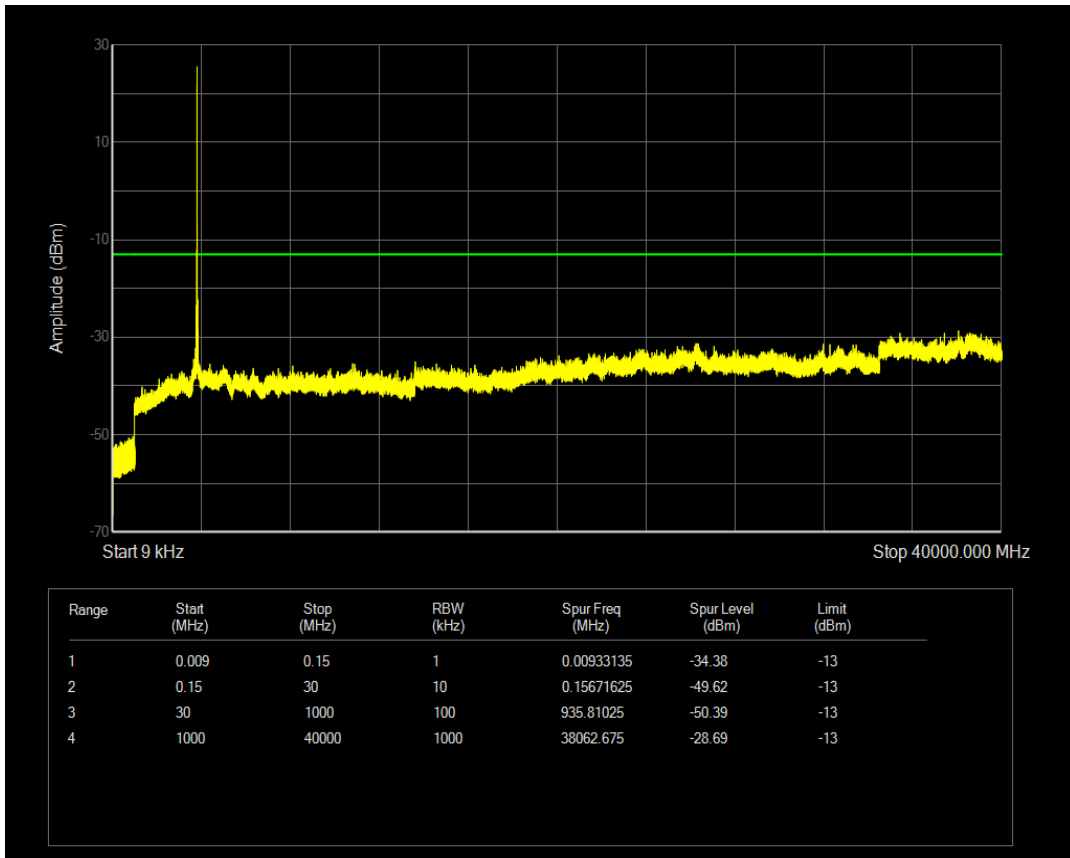
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=50MHz Channel=648334 RB=1 @269



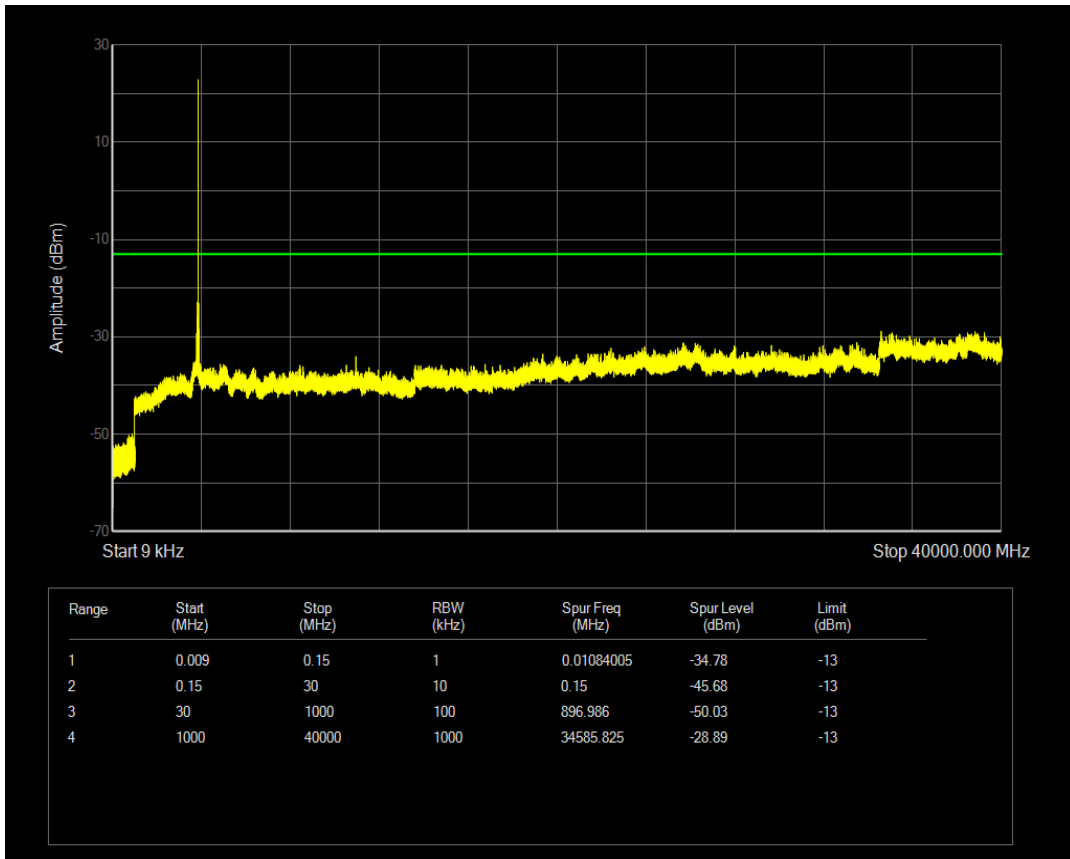
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=50MHz Channel=656000 RB=270@0



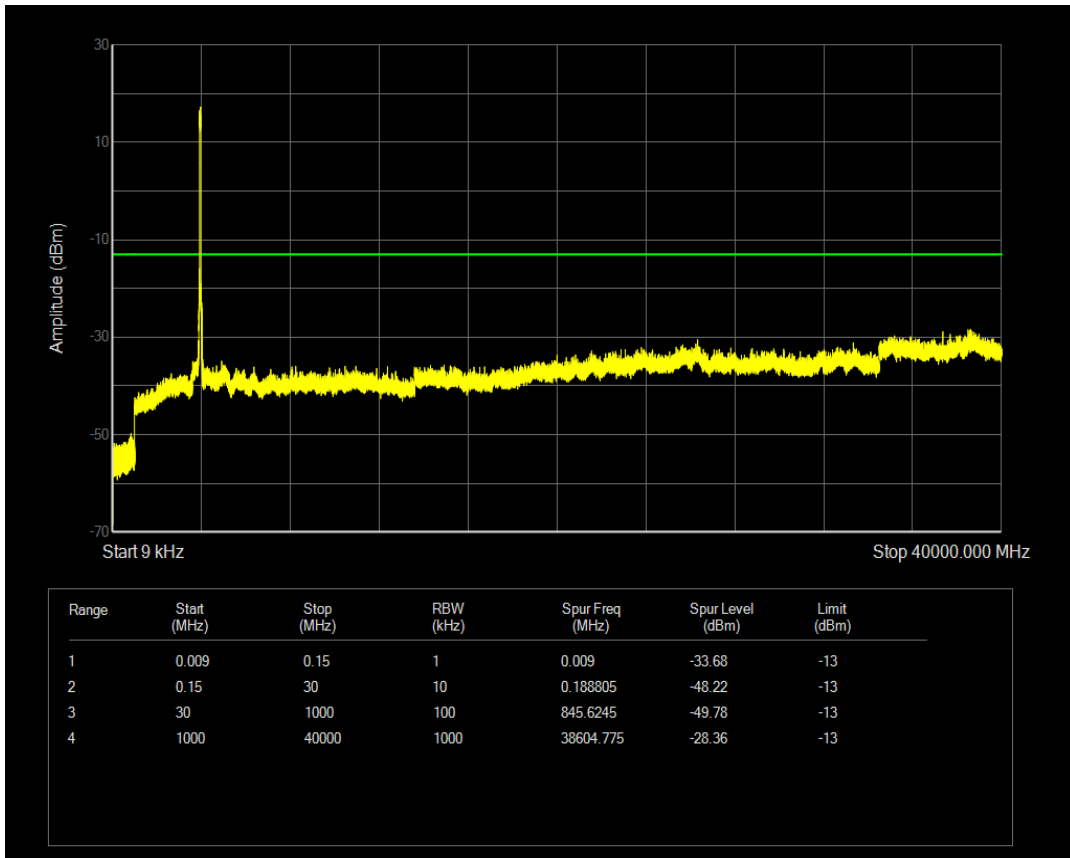
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=50MHz Channel=656000 RB=1@0



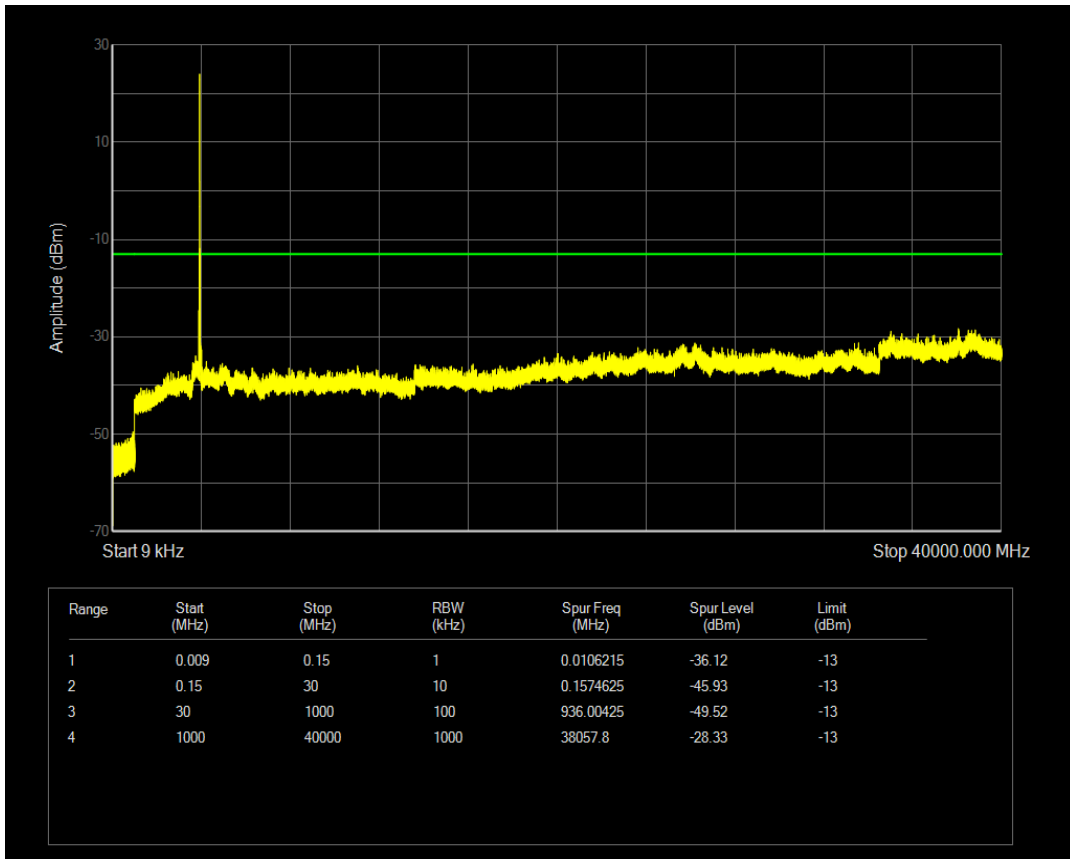
n77(3700-3980) SCS=15kHz DFT\_QPSK BW=50MHz Channel=656000 RB=1 @269



n77(3700-3980) SCS=15kHz DFT\_QPSK BW=50MHz Channel=663666 RB=270 @0



n77(3700-3980) SCS=15kHz DFT\_QPSK BW=50MHz Channel=663666 RB=1 @0



n77(3700-3980) SCS=15kHz DFT\_QPSK BW=50MHz Channel=663666 RB=1 @269

