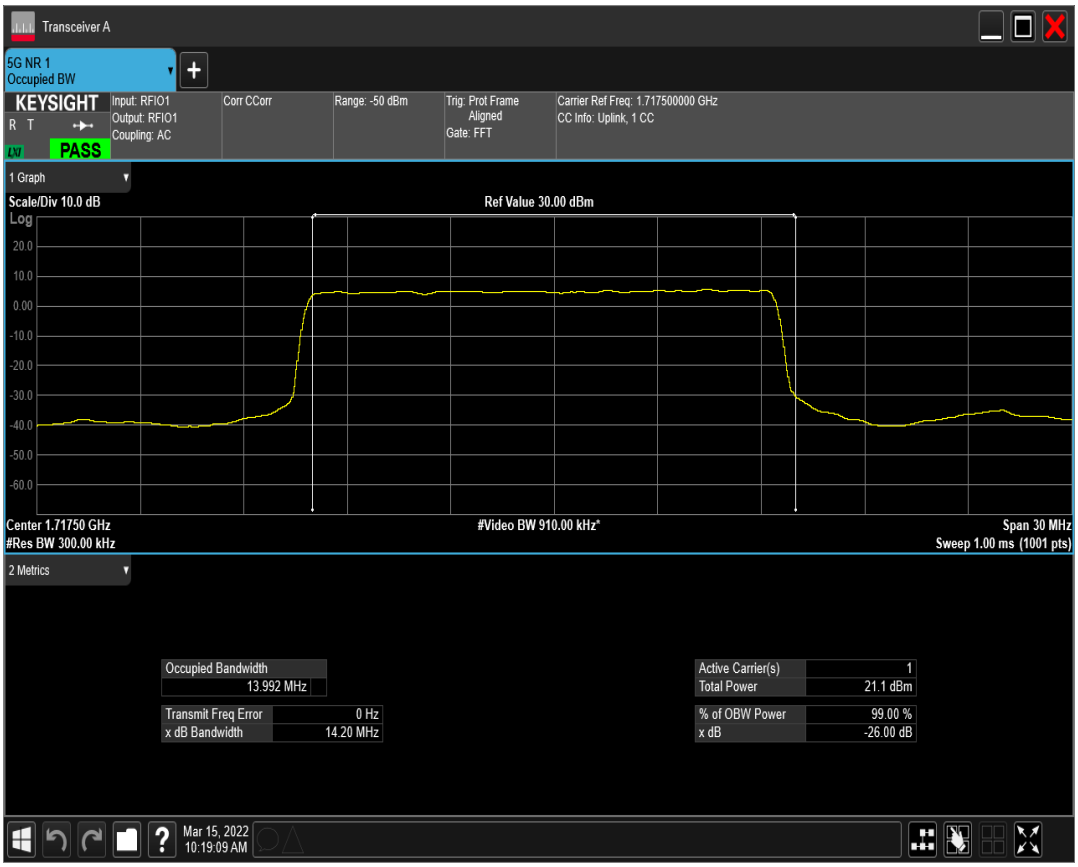
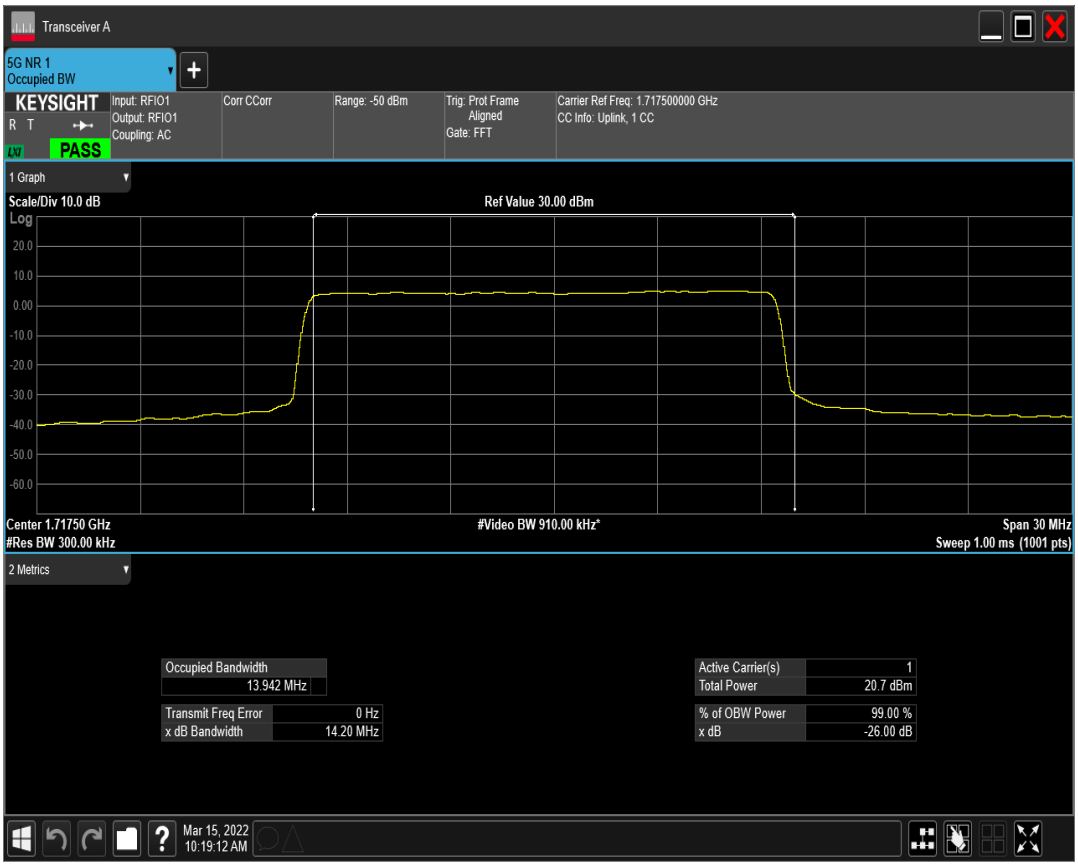


n66 SCS=15kHz DFT_QPSK BW=15MHz Channel=343500 RB=75@0



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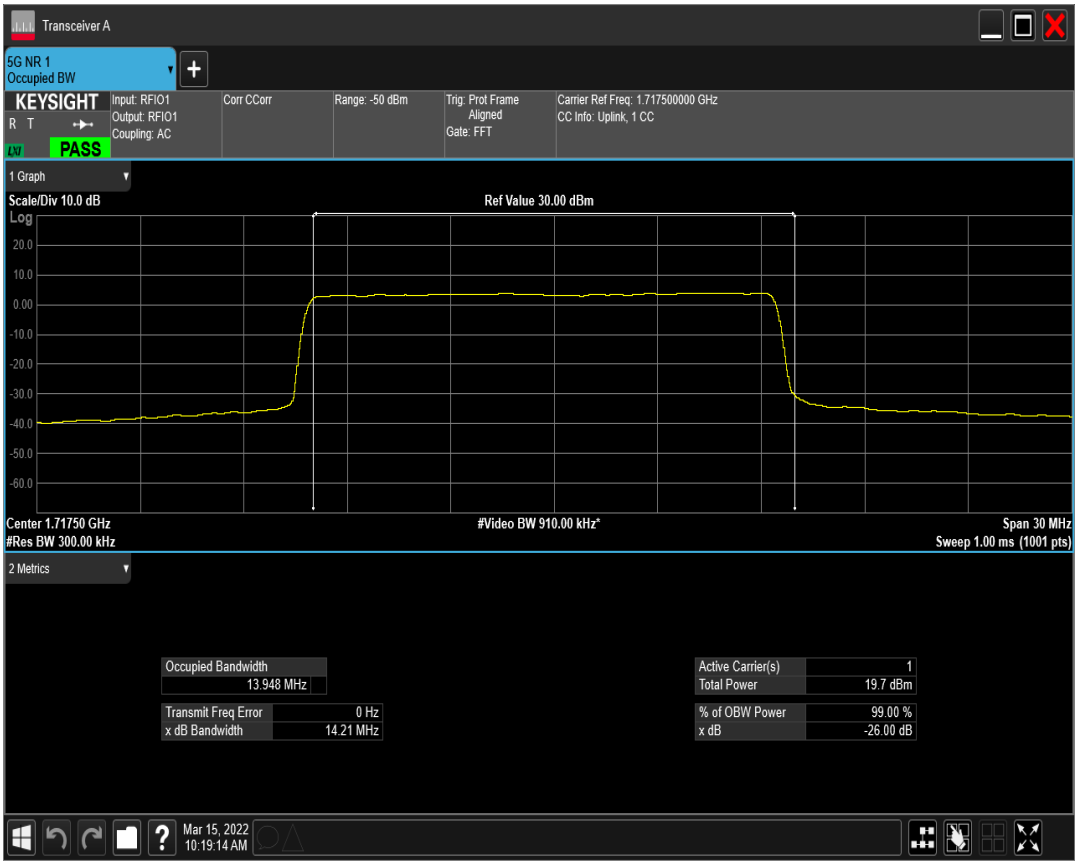

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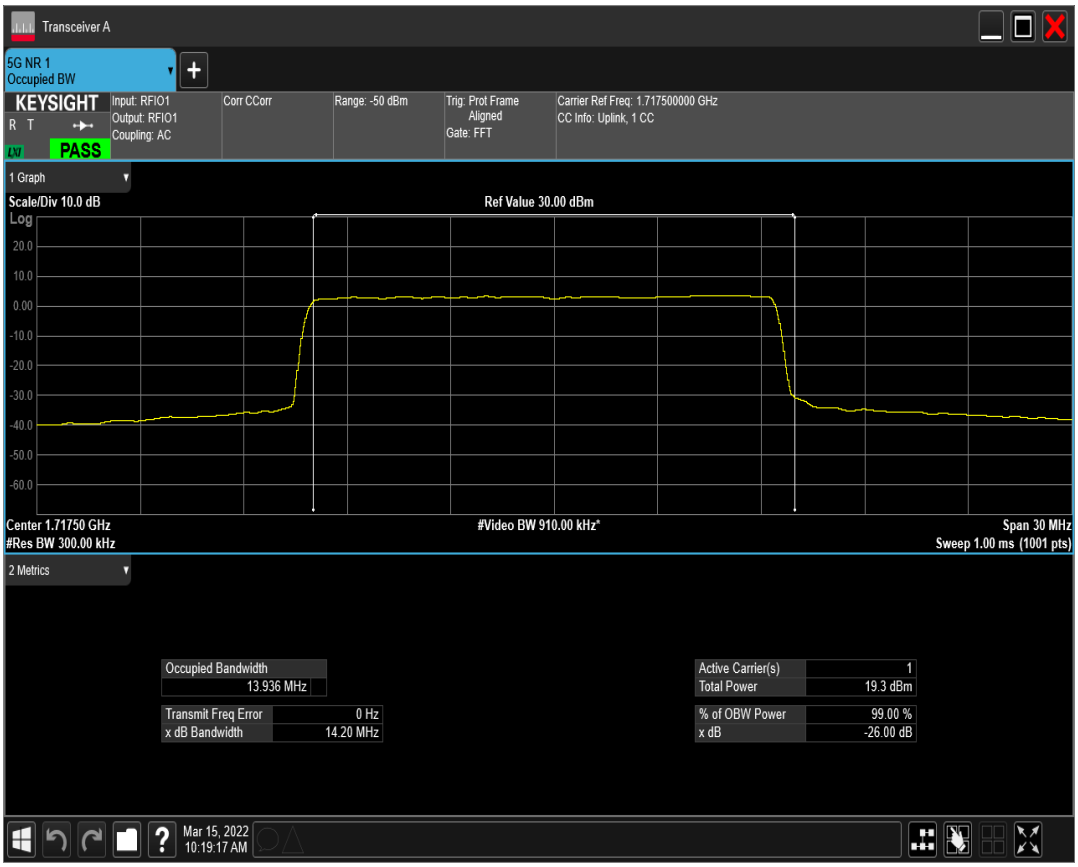

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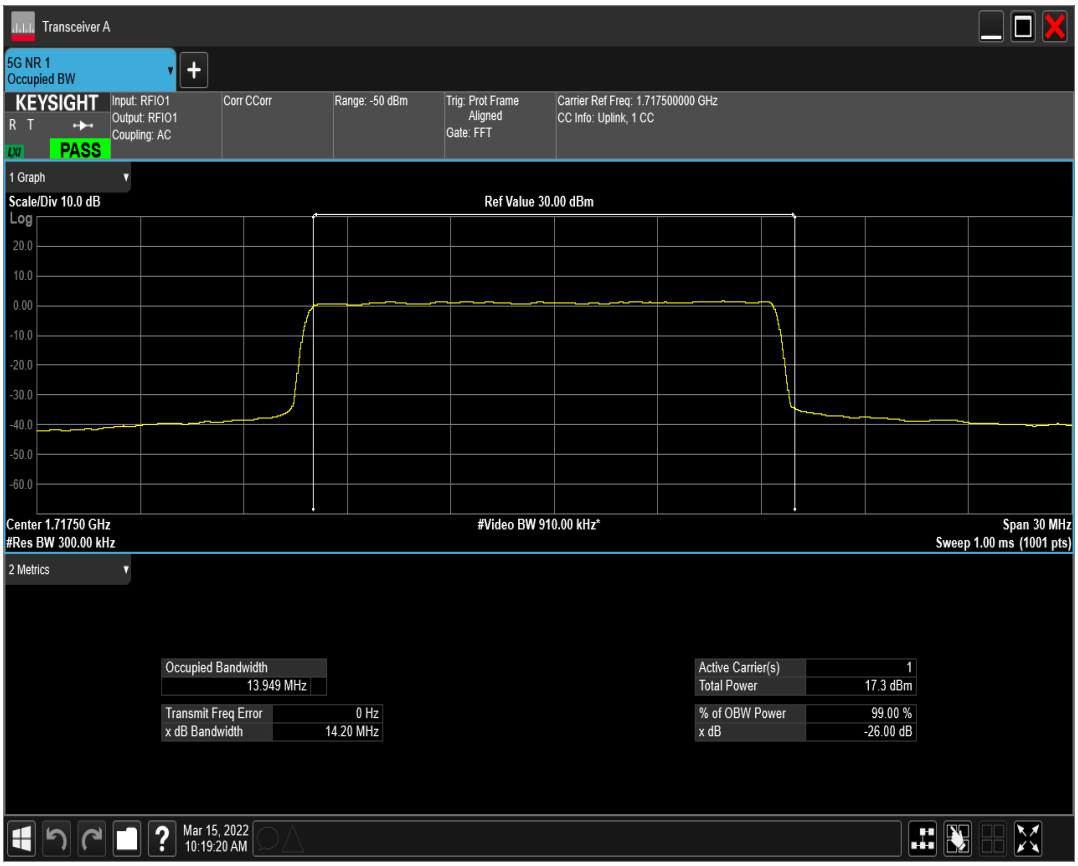

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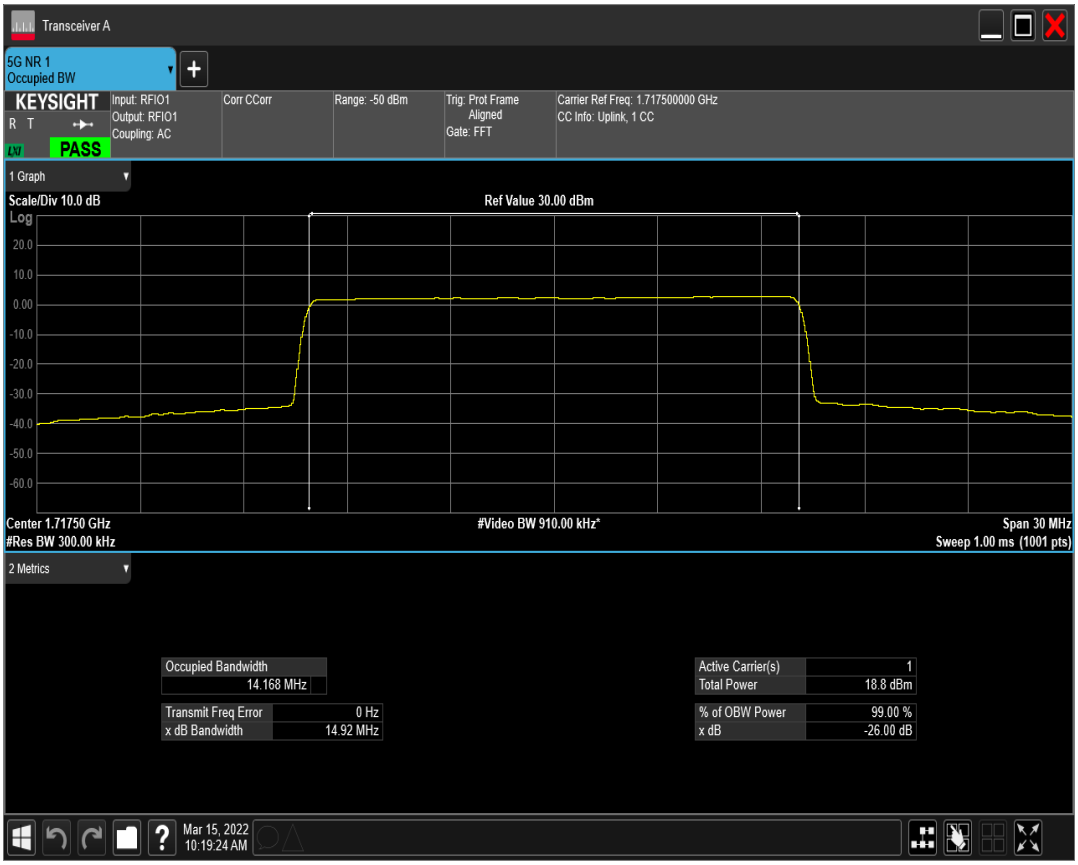

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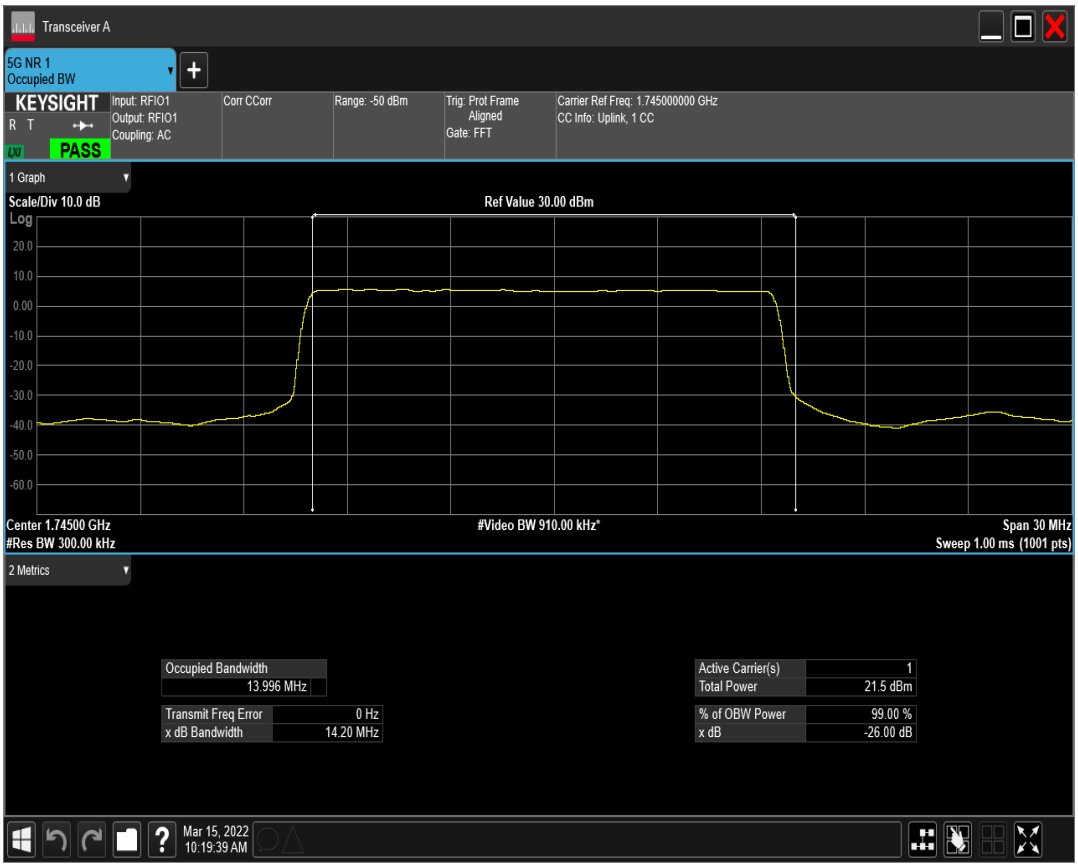

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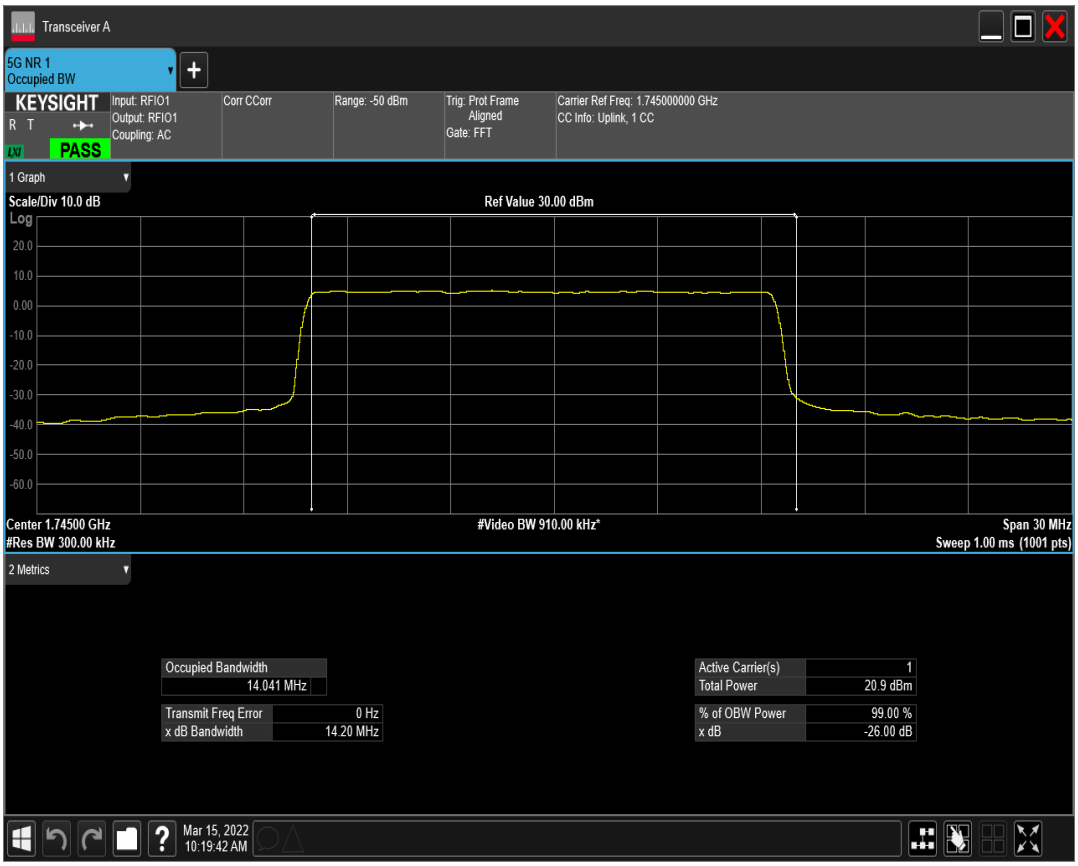

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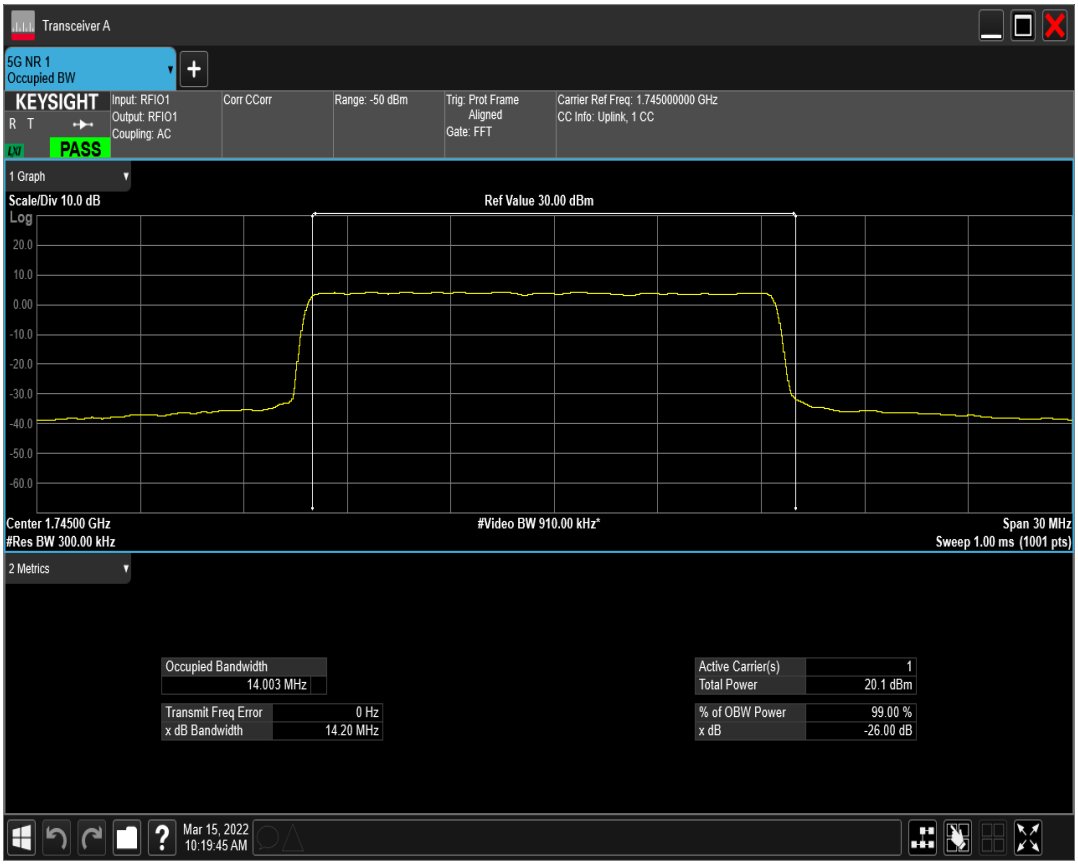

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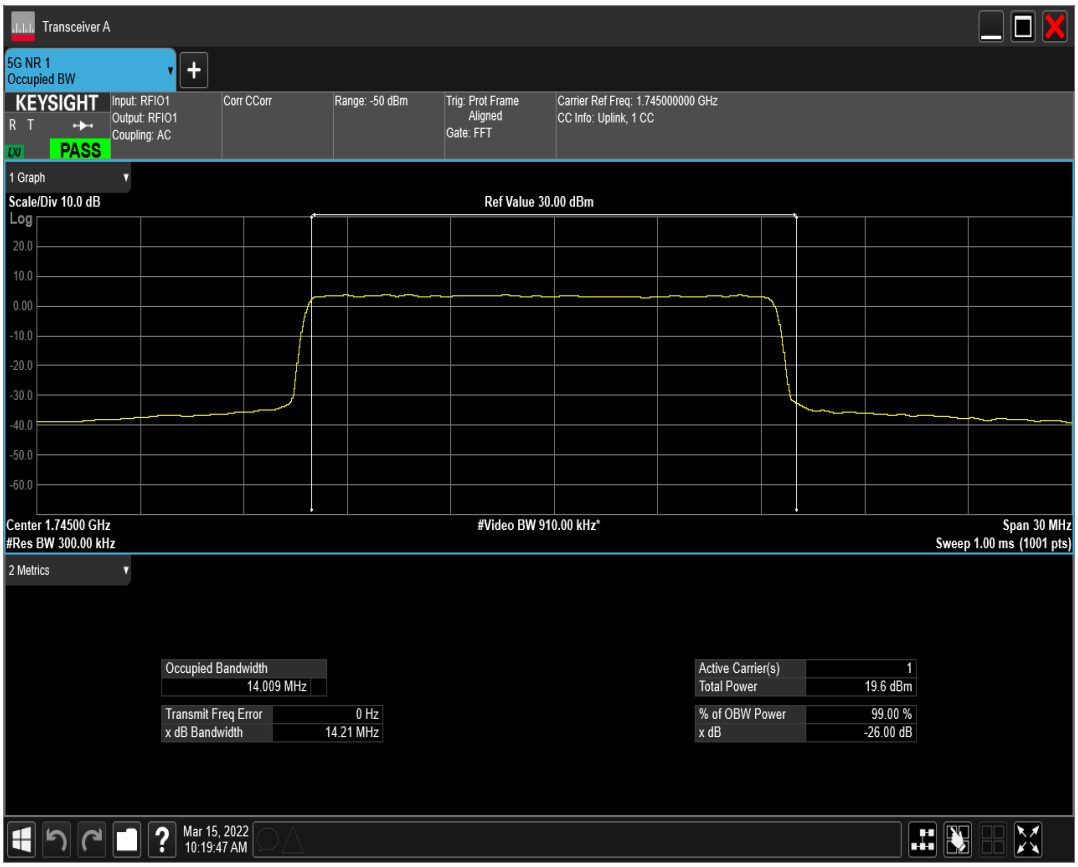

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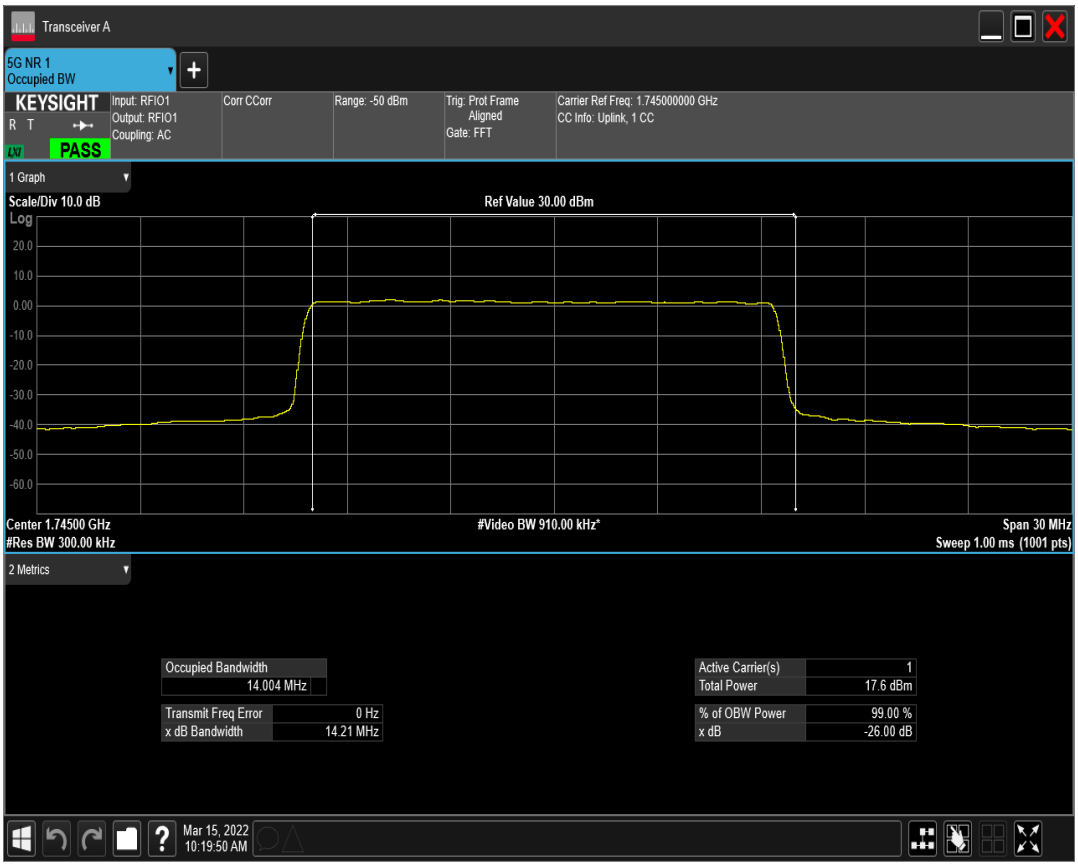

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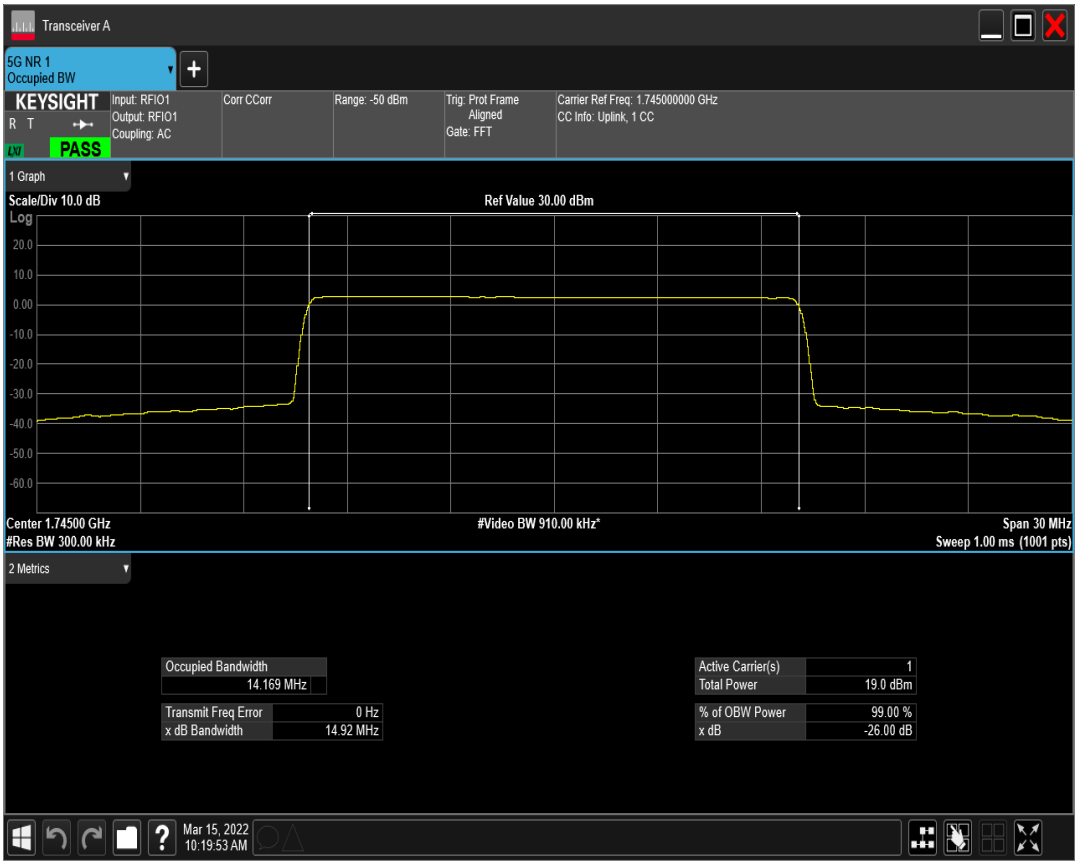

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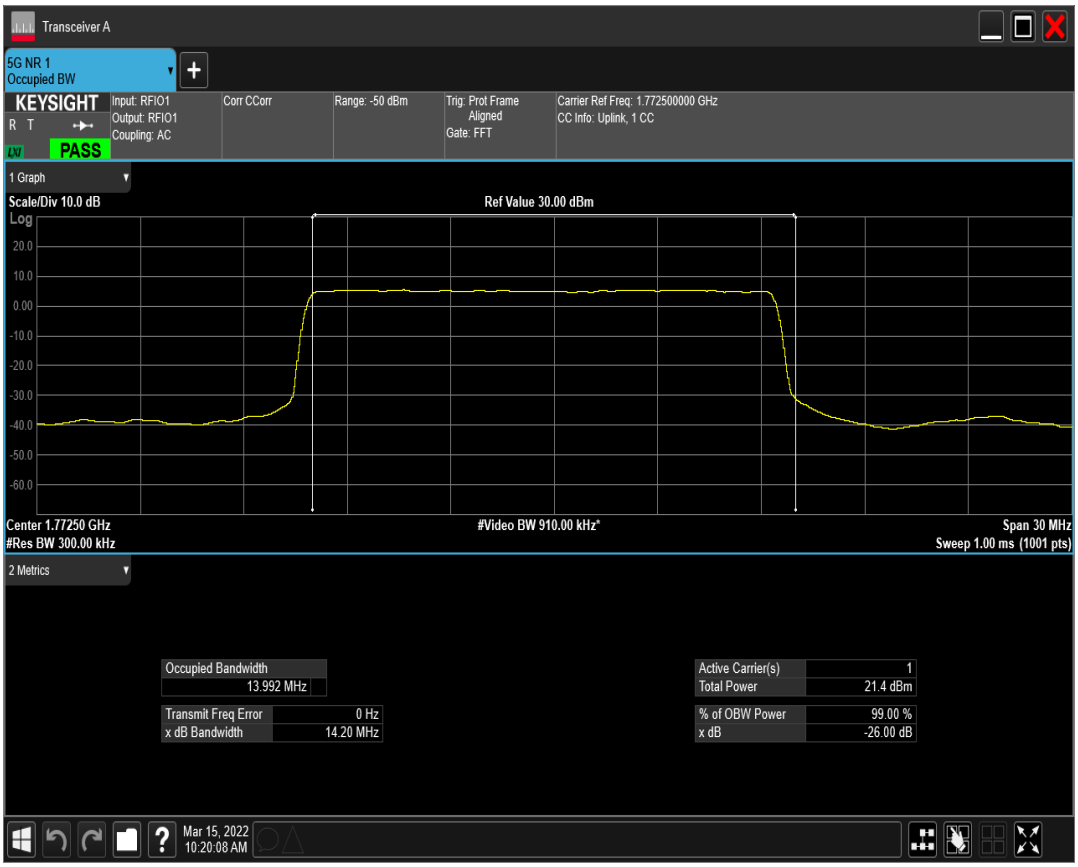

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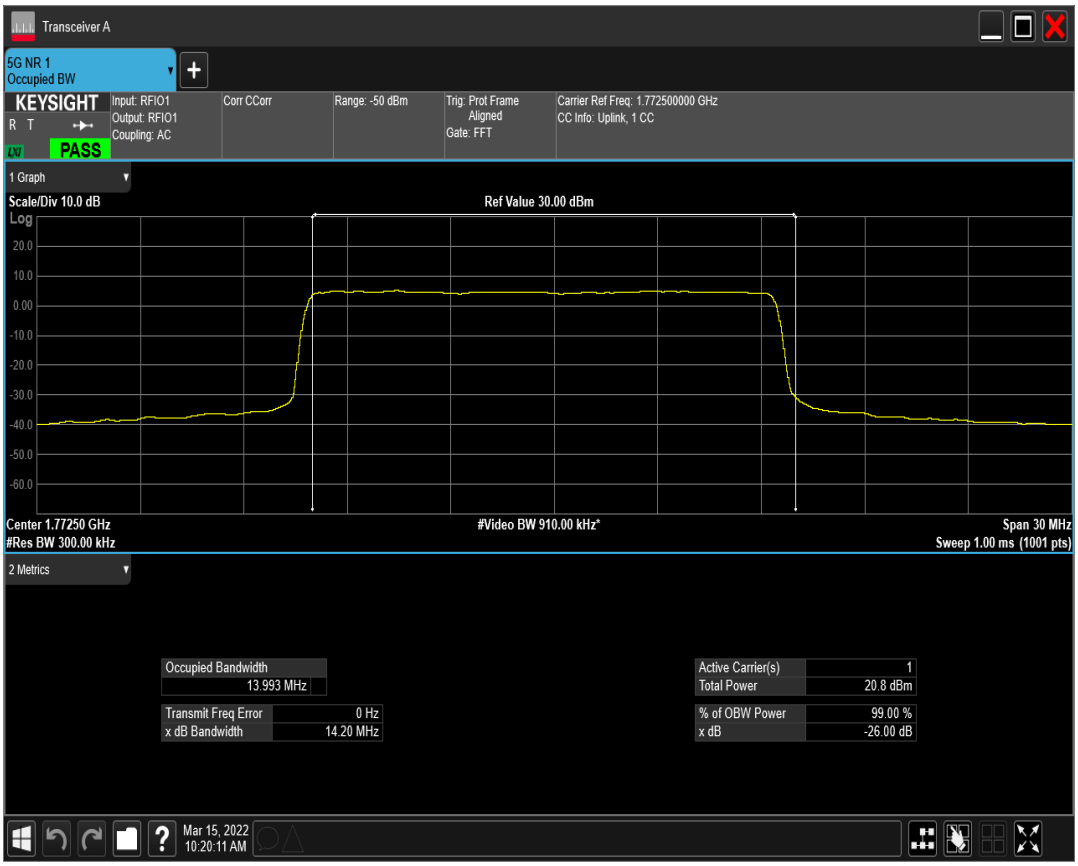

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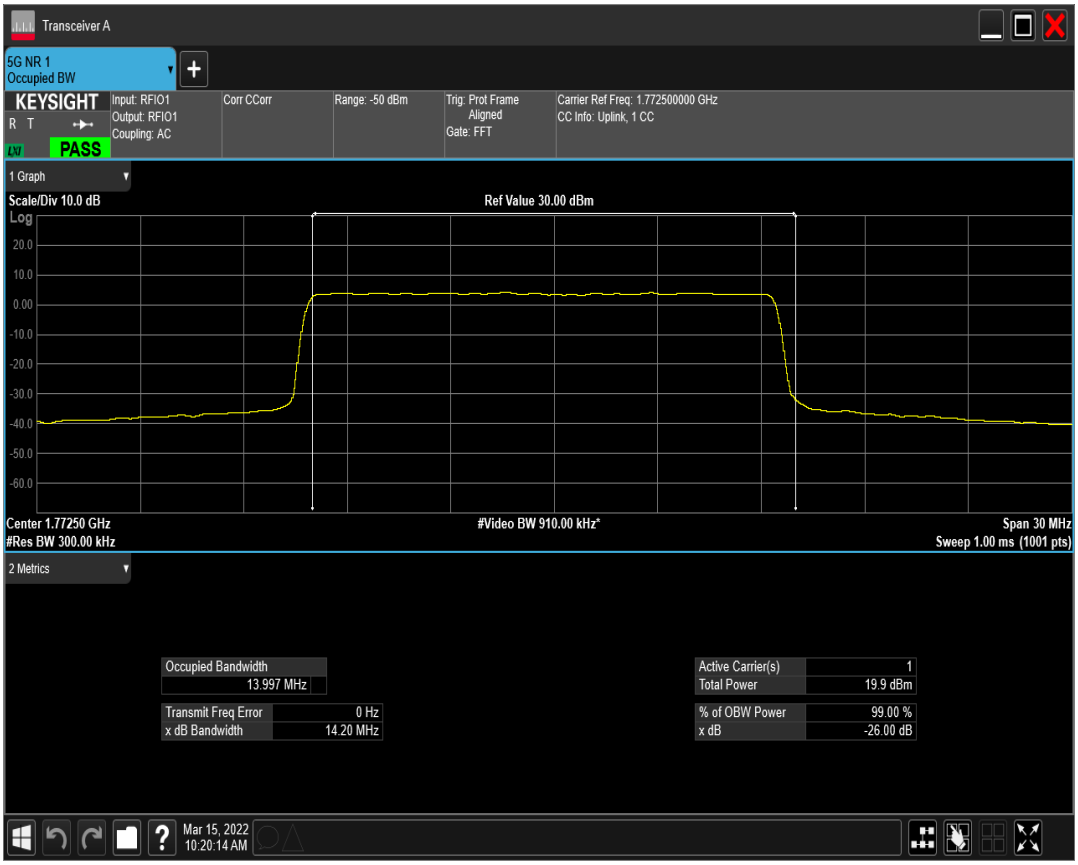

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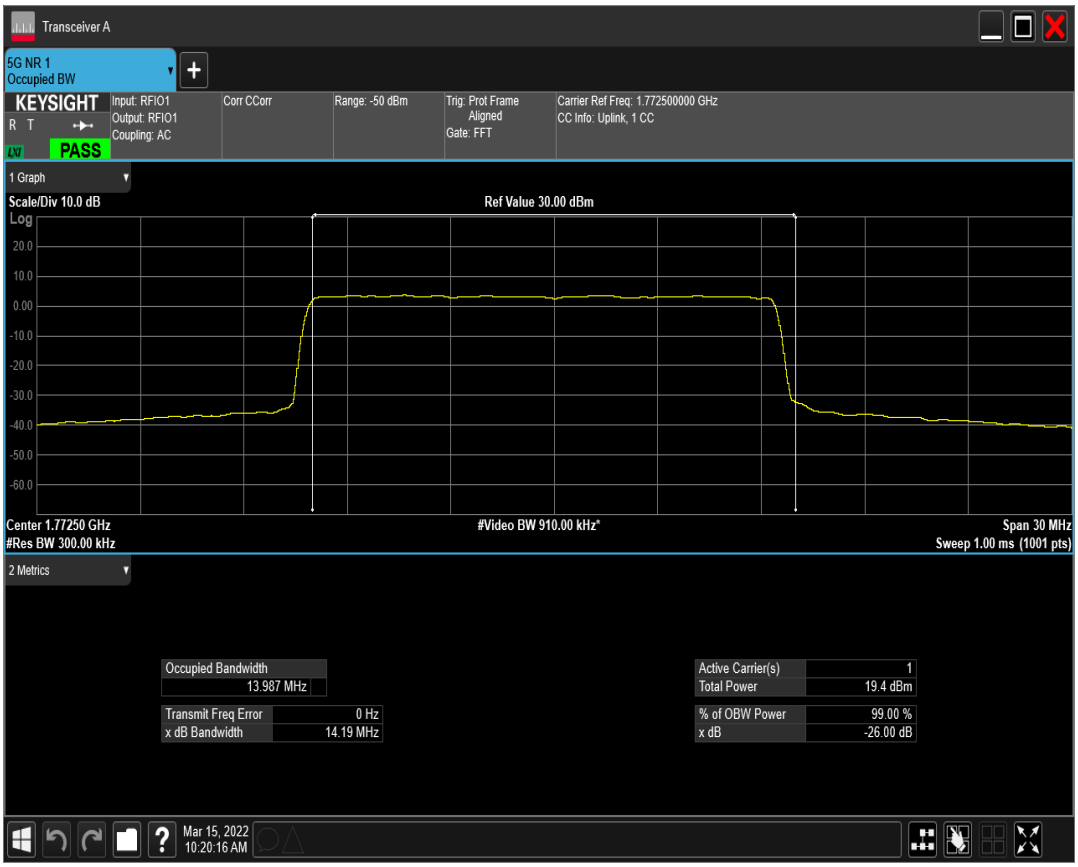

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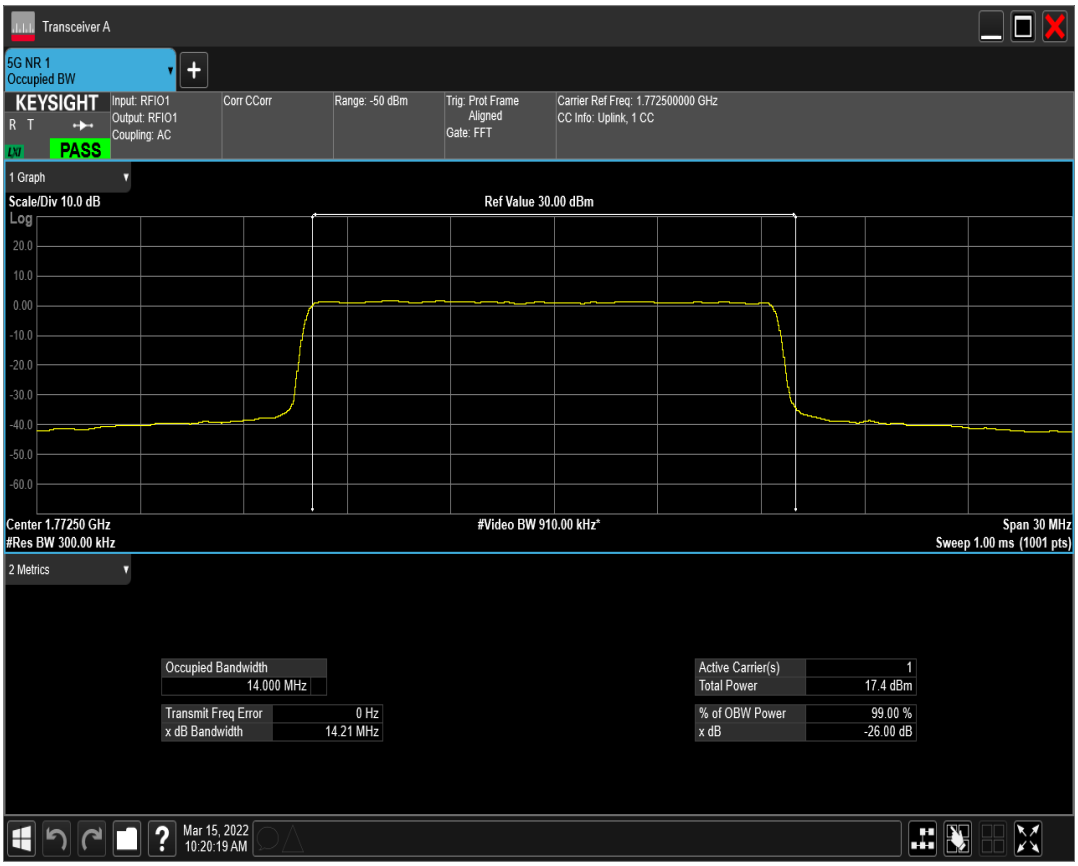
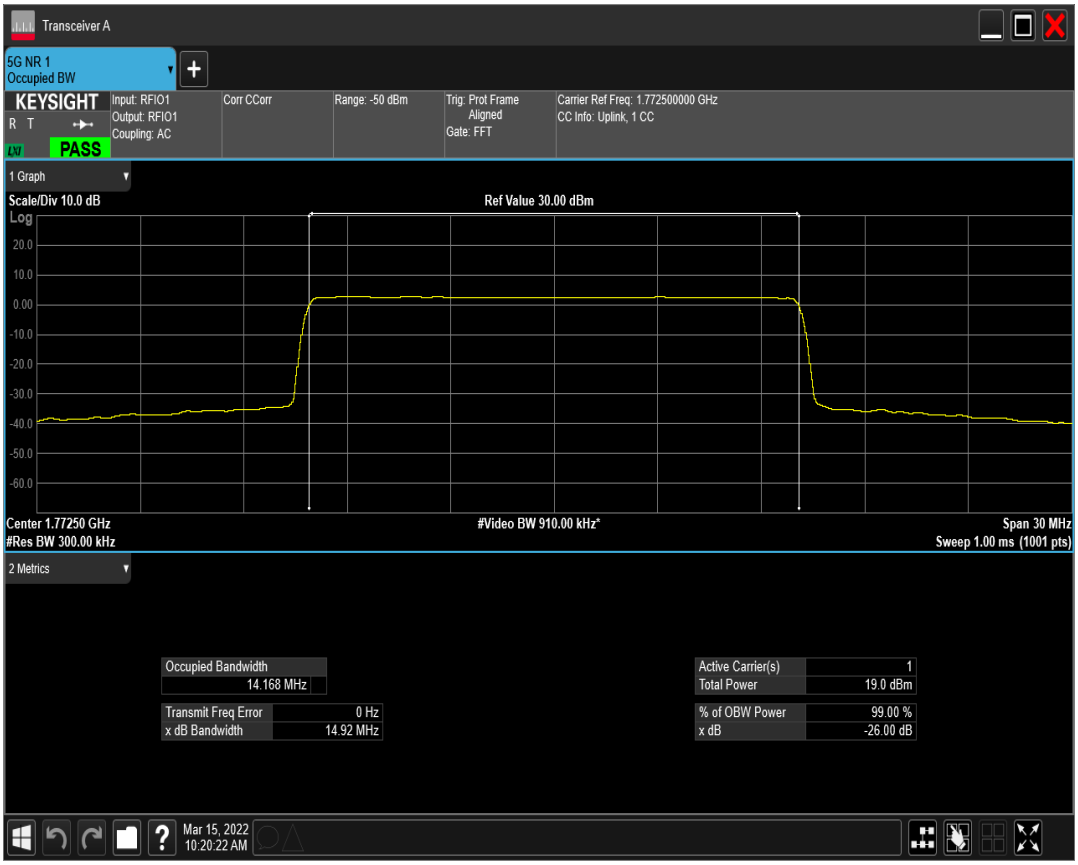


n66 SCS=15kHz CP_QPSK BW=15MHz Channel=354500 RB=79@0



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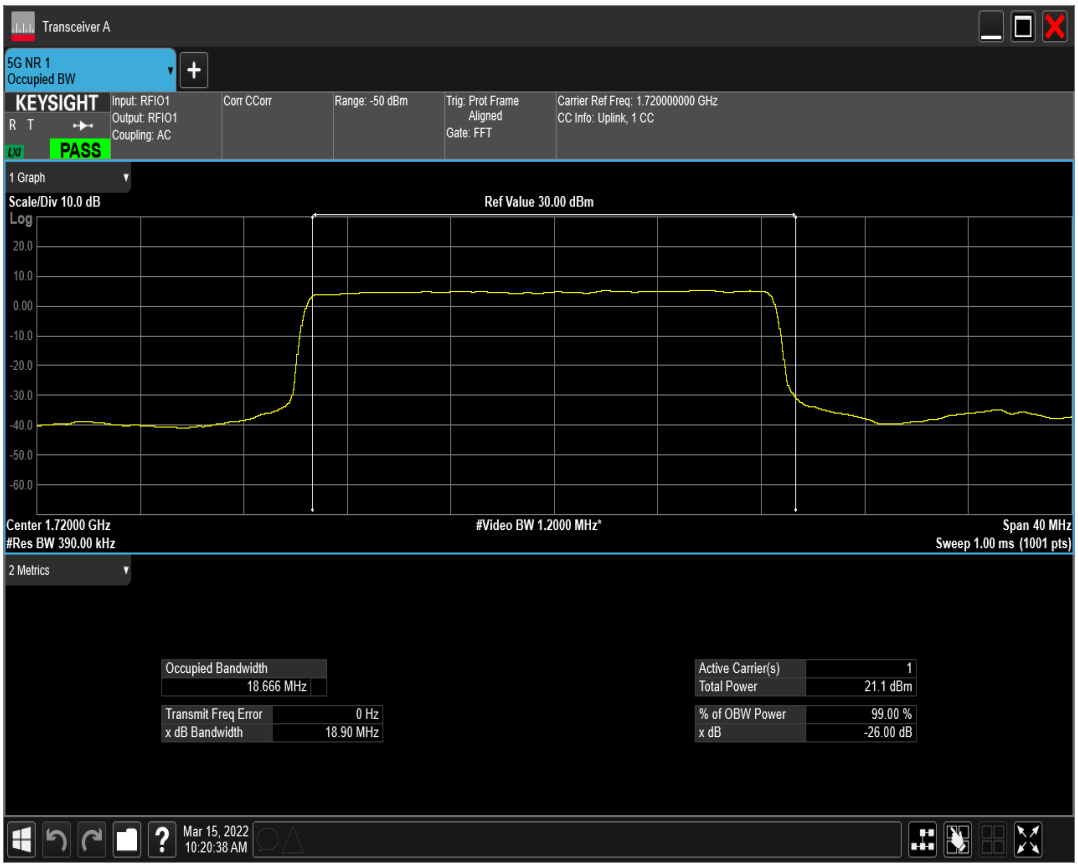

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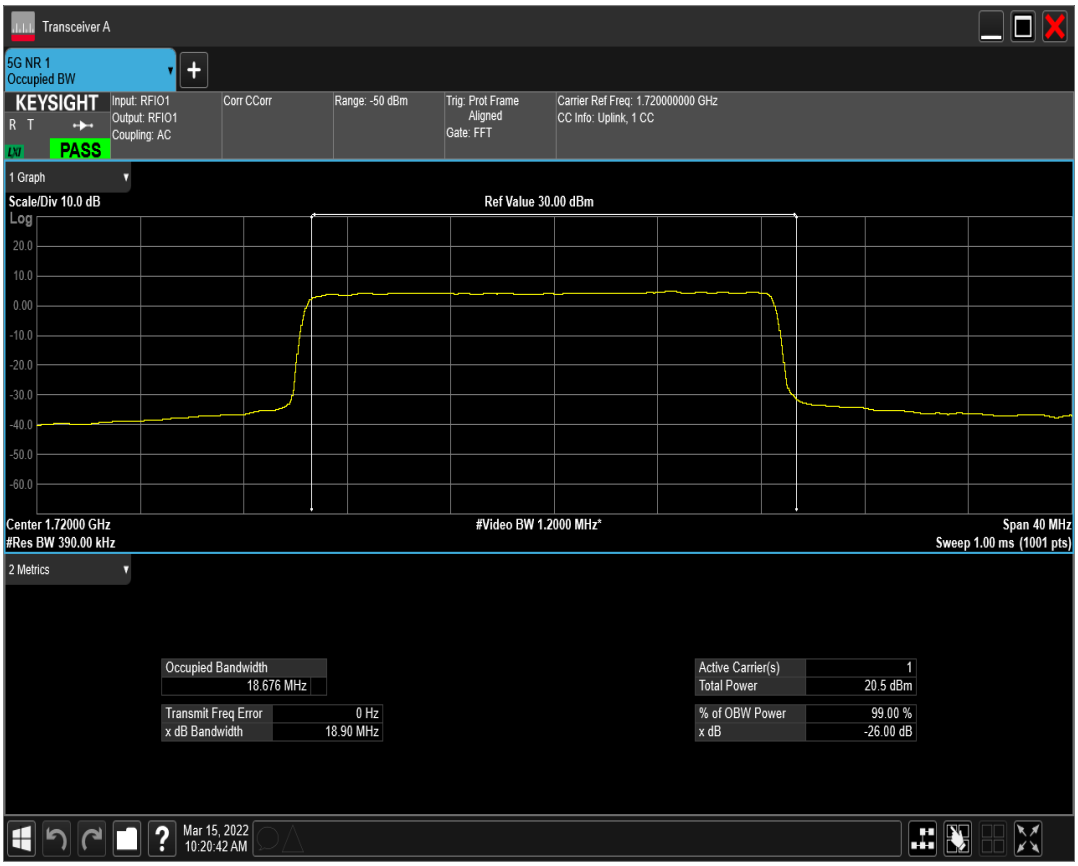

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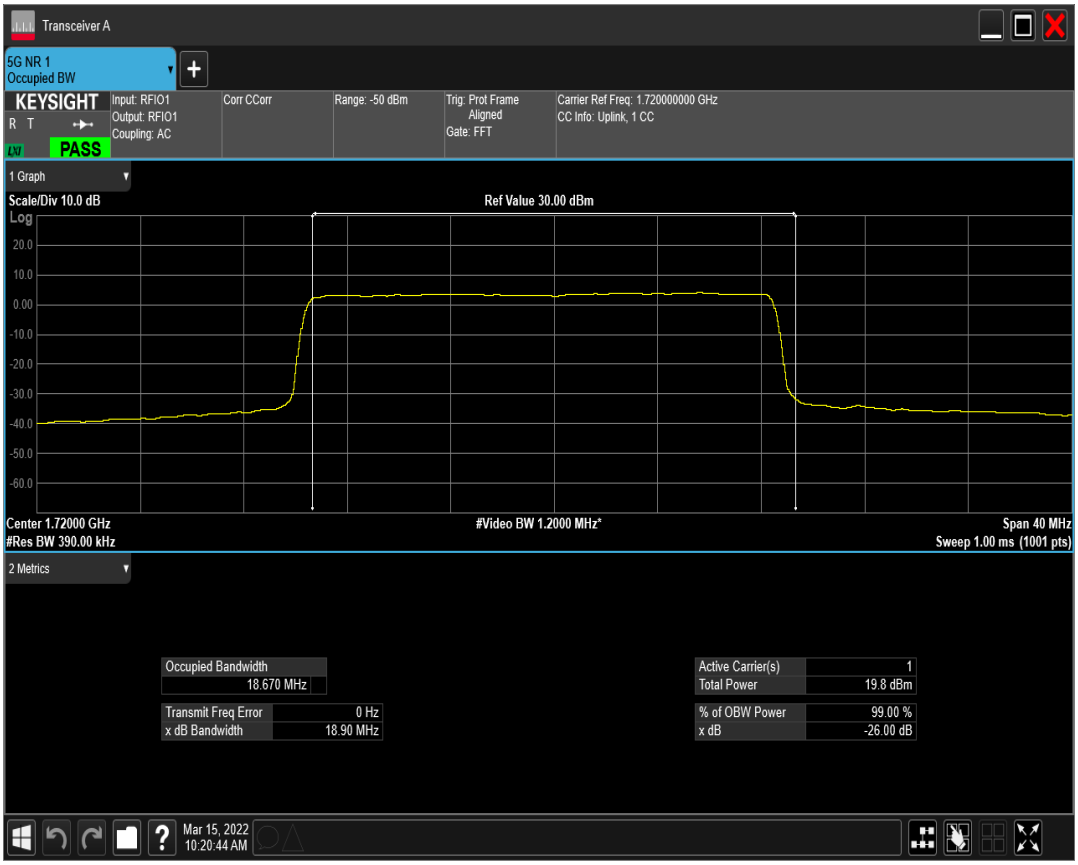

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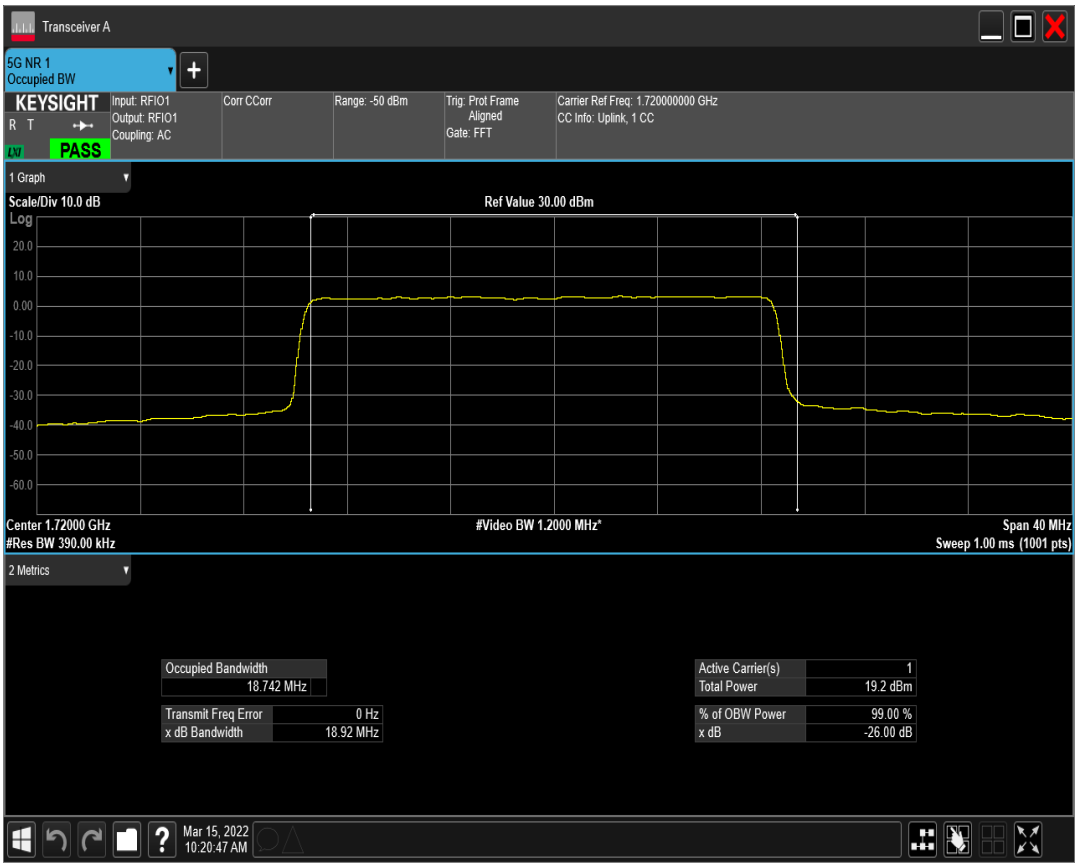

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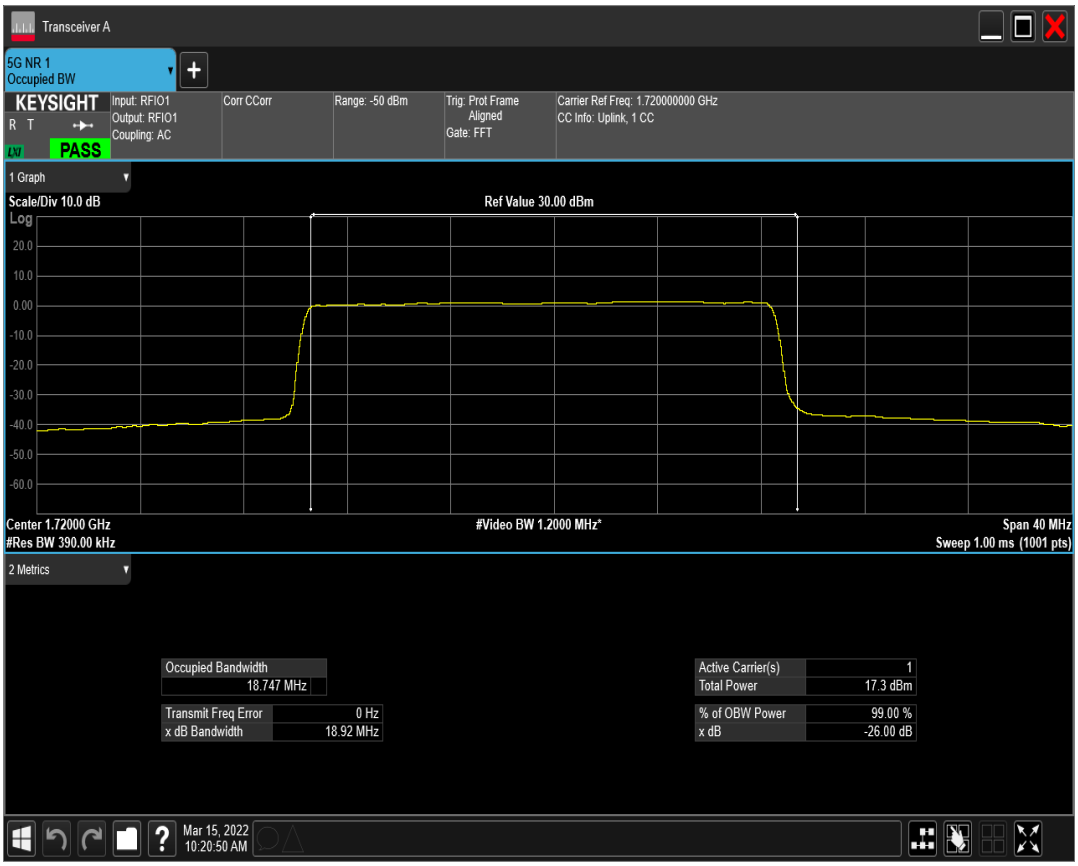

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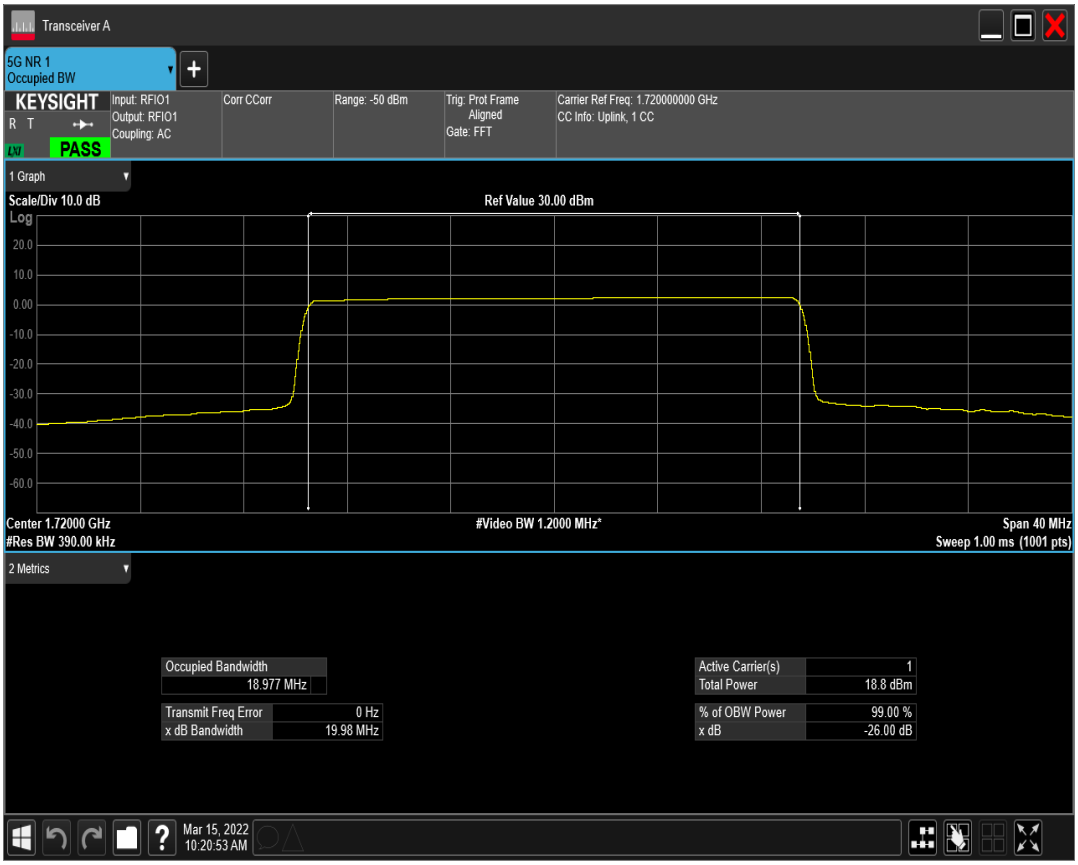

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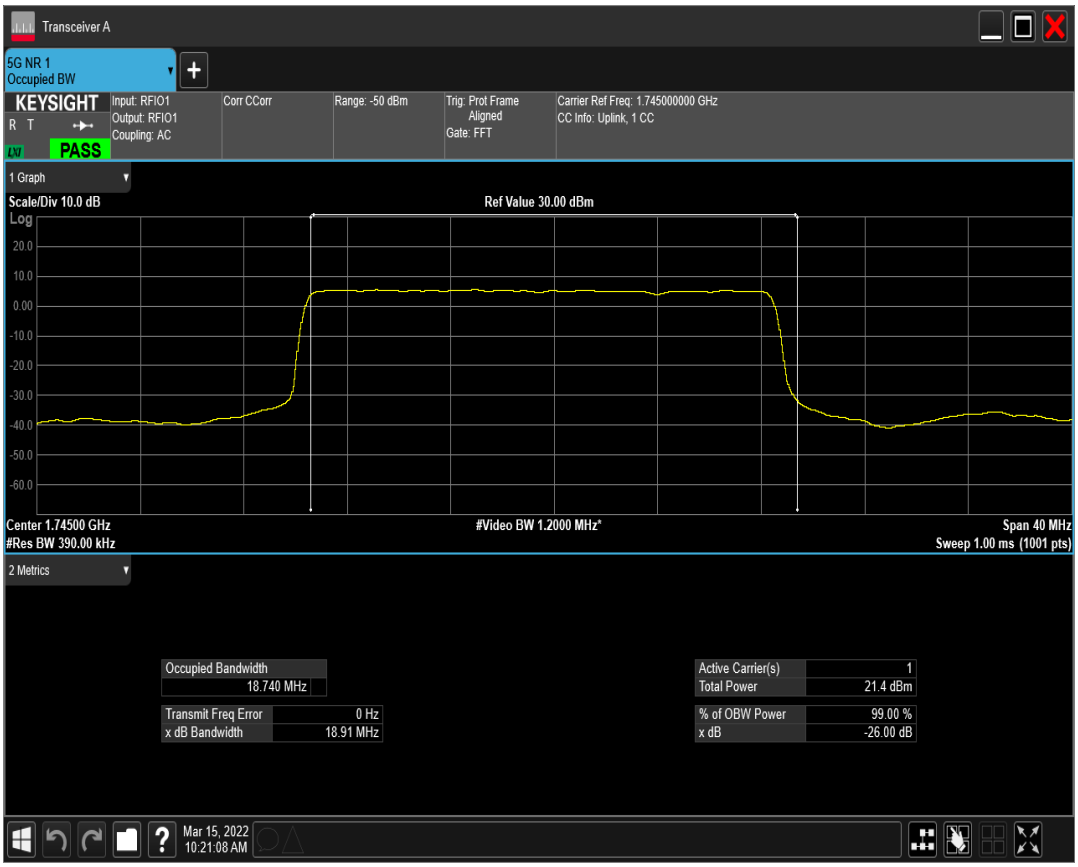

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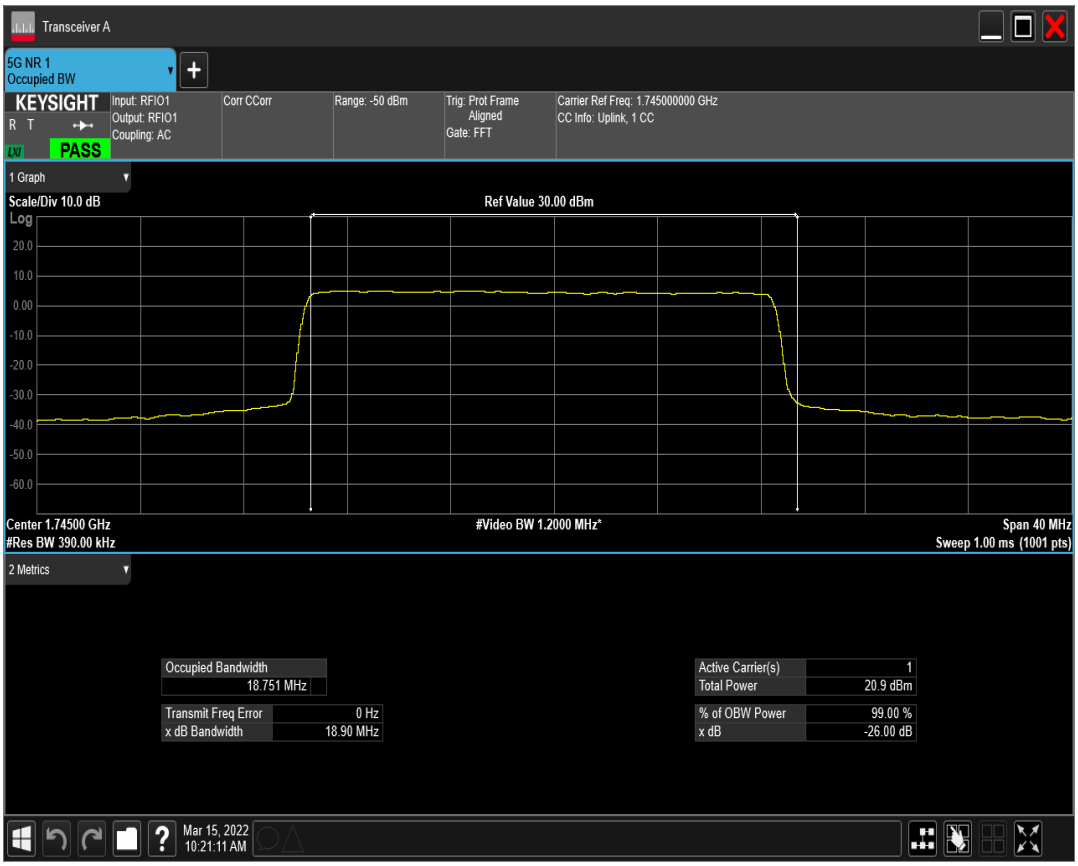

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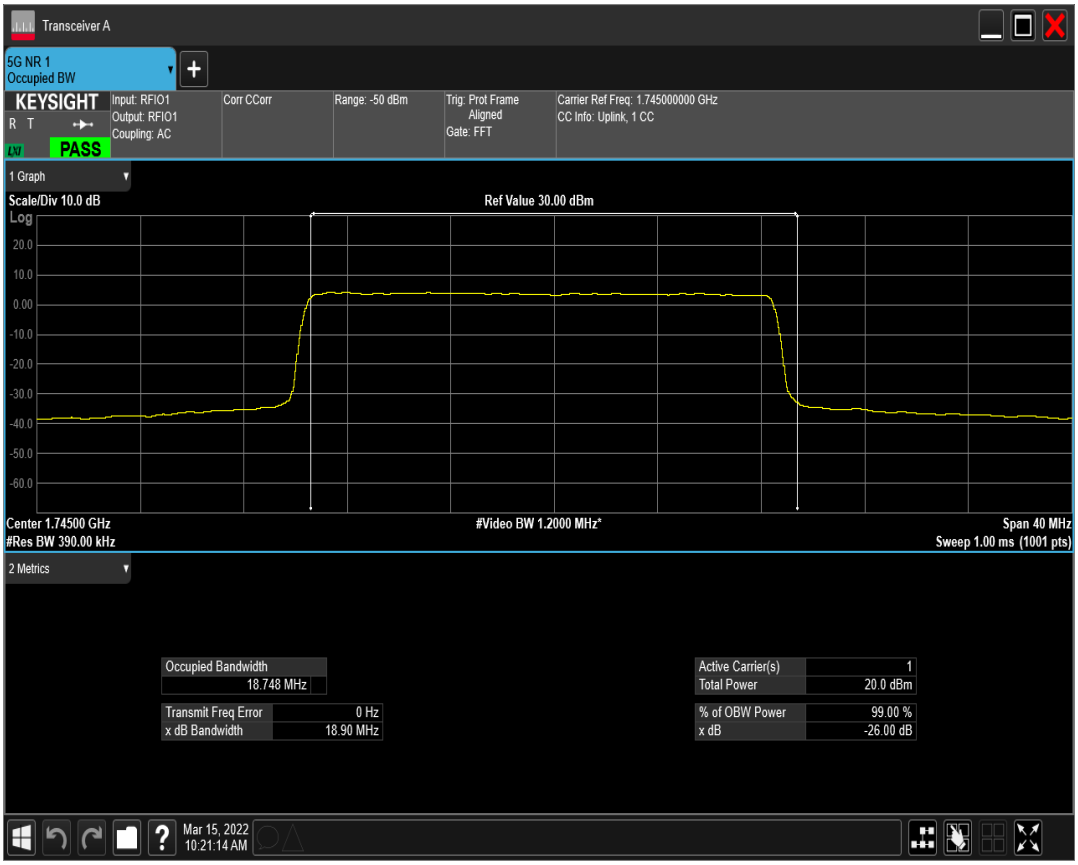

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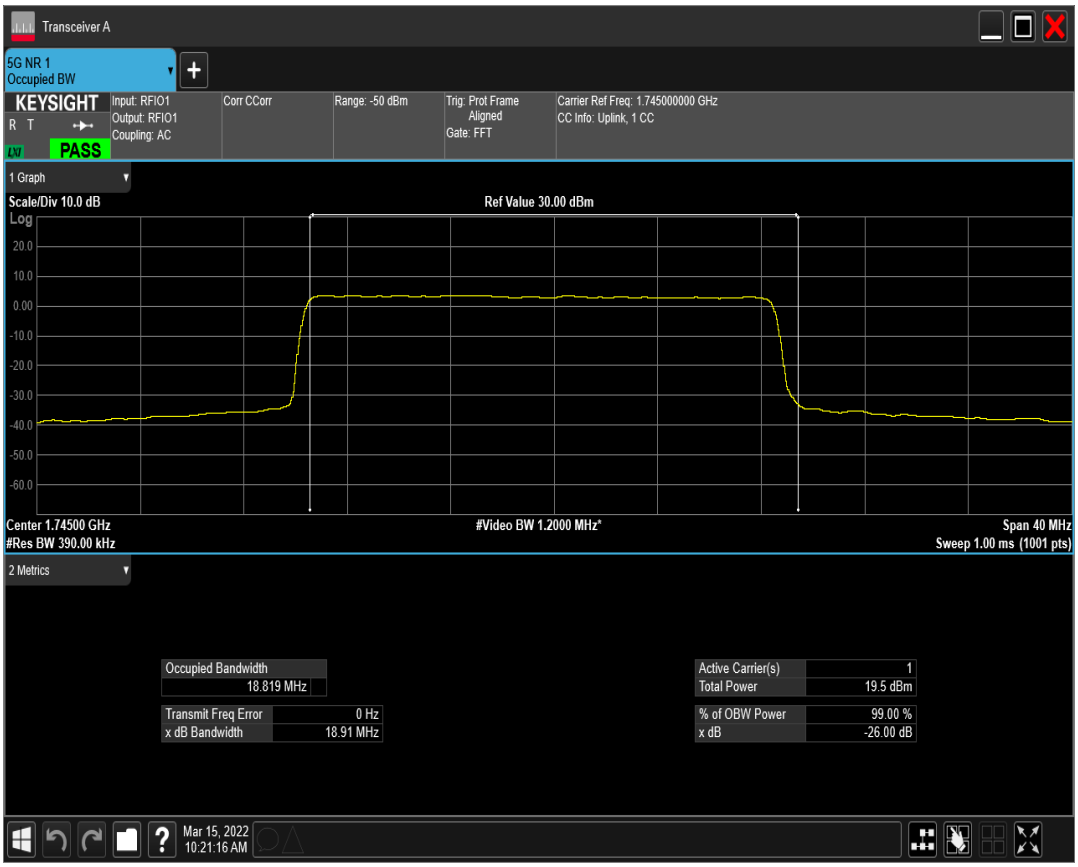

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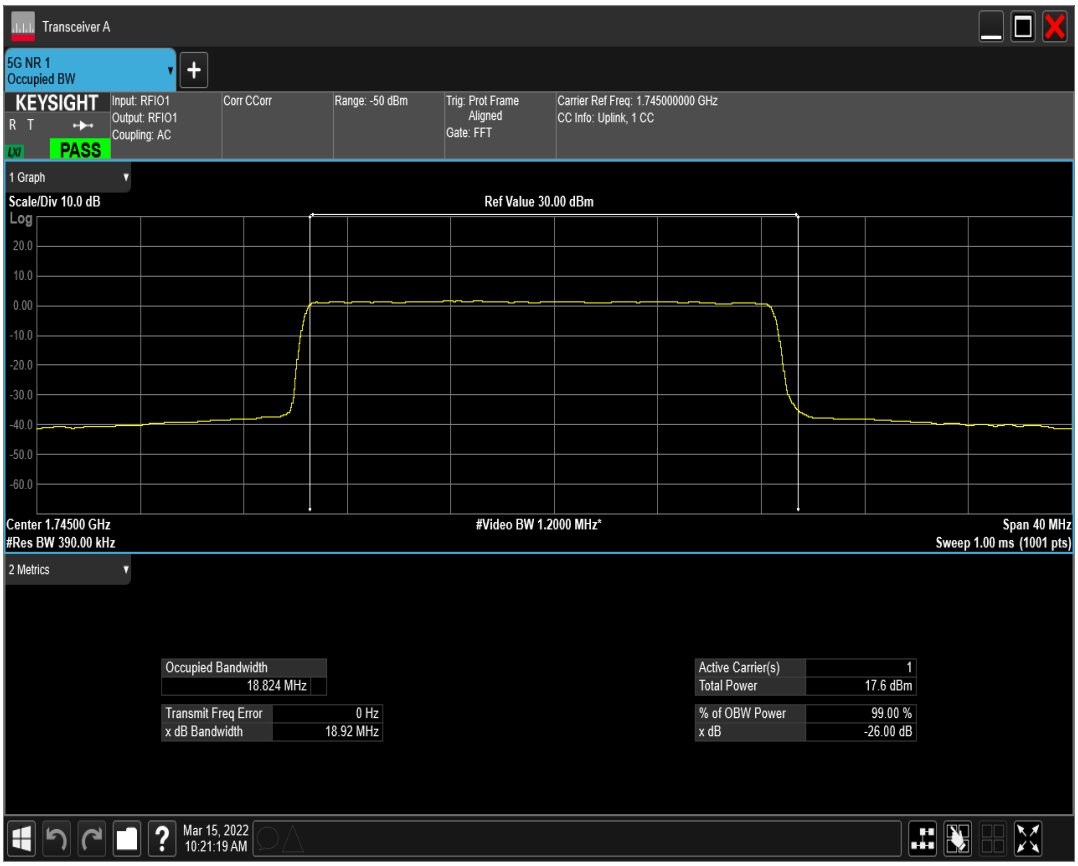

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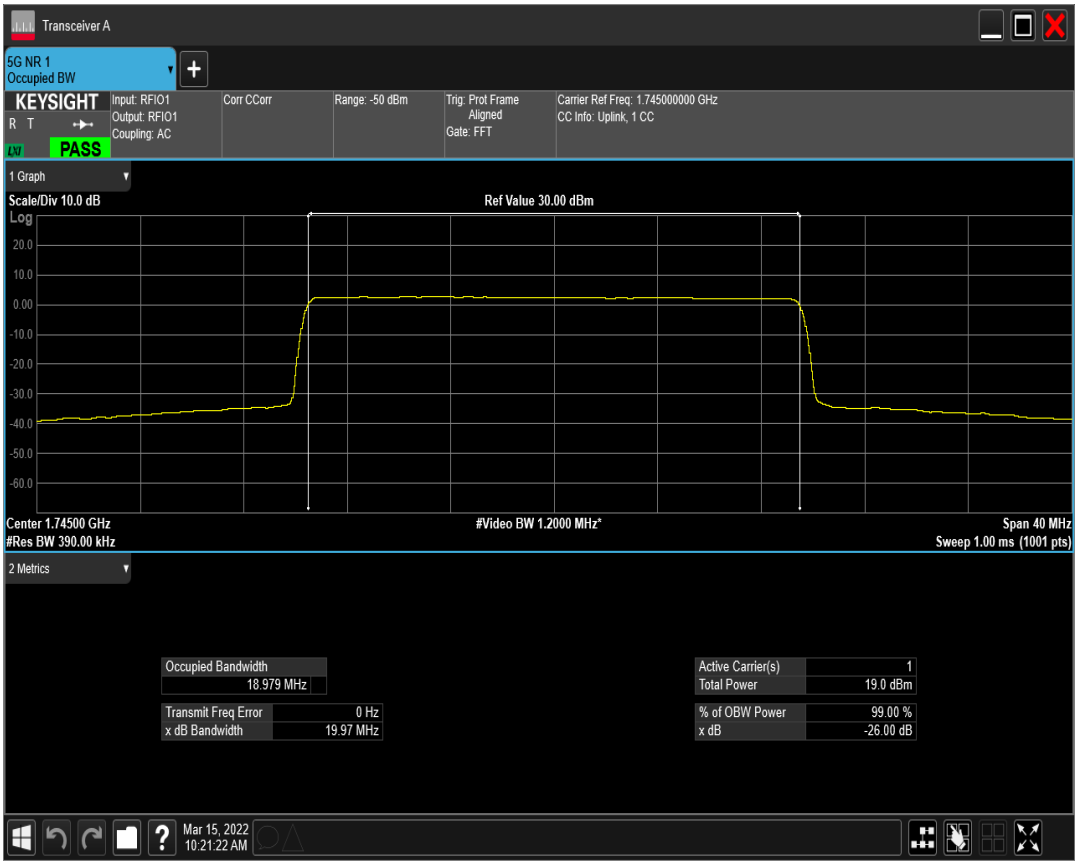

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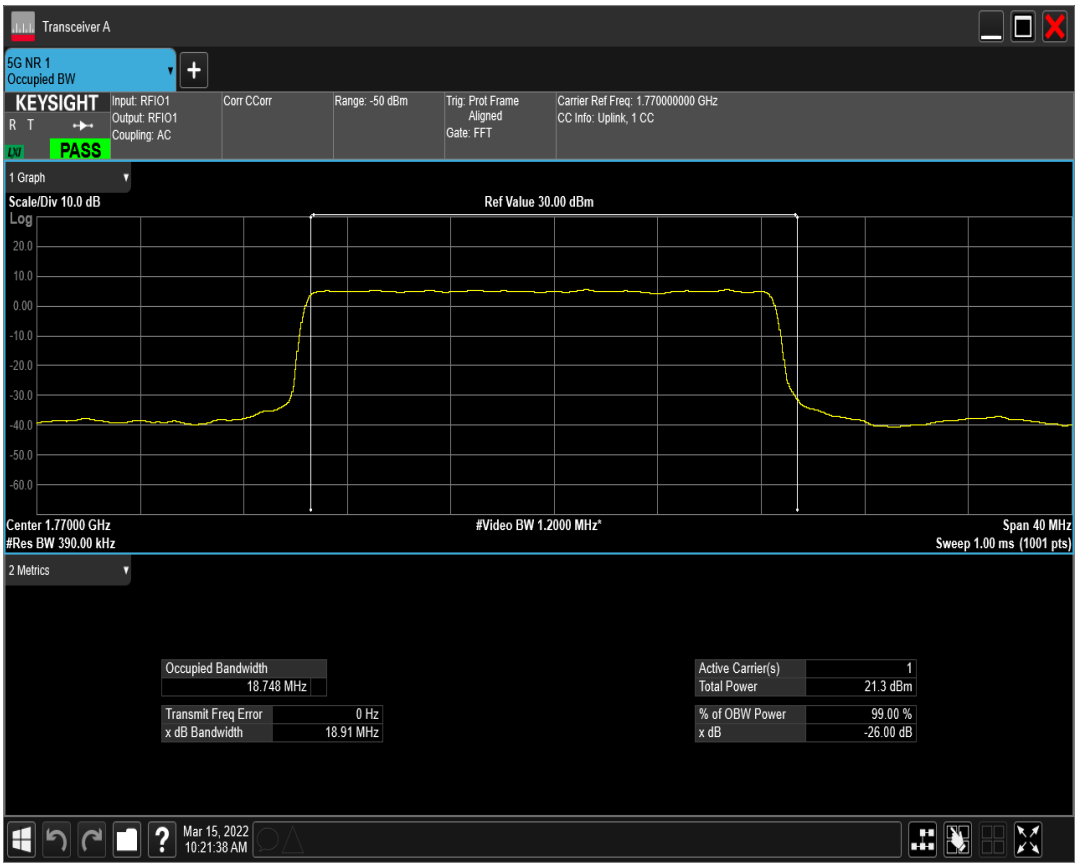

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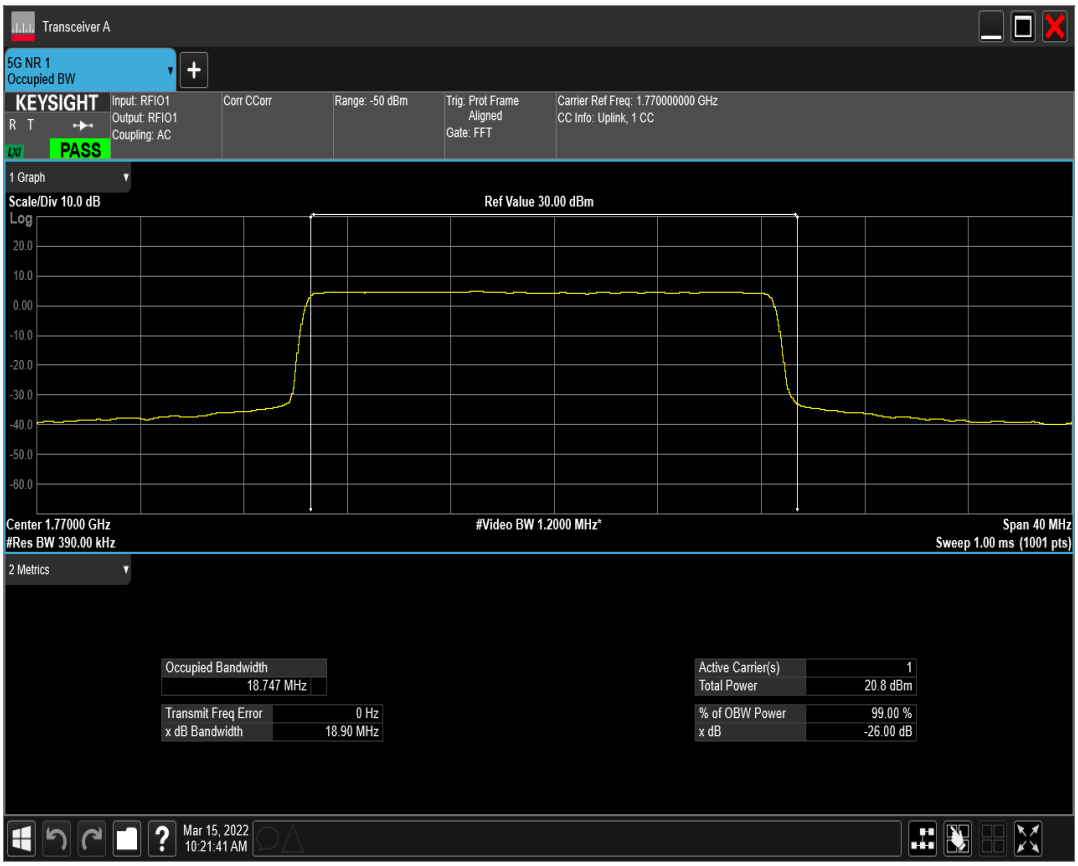

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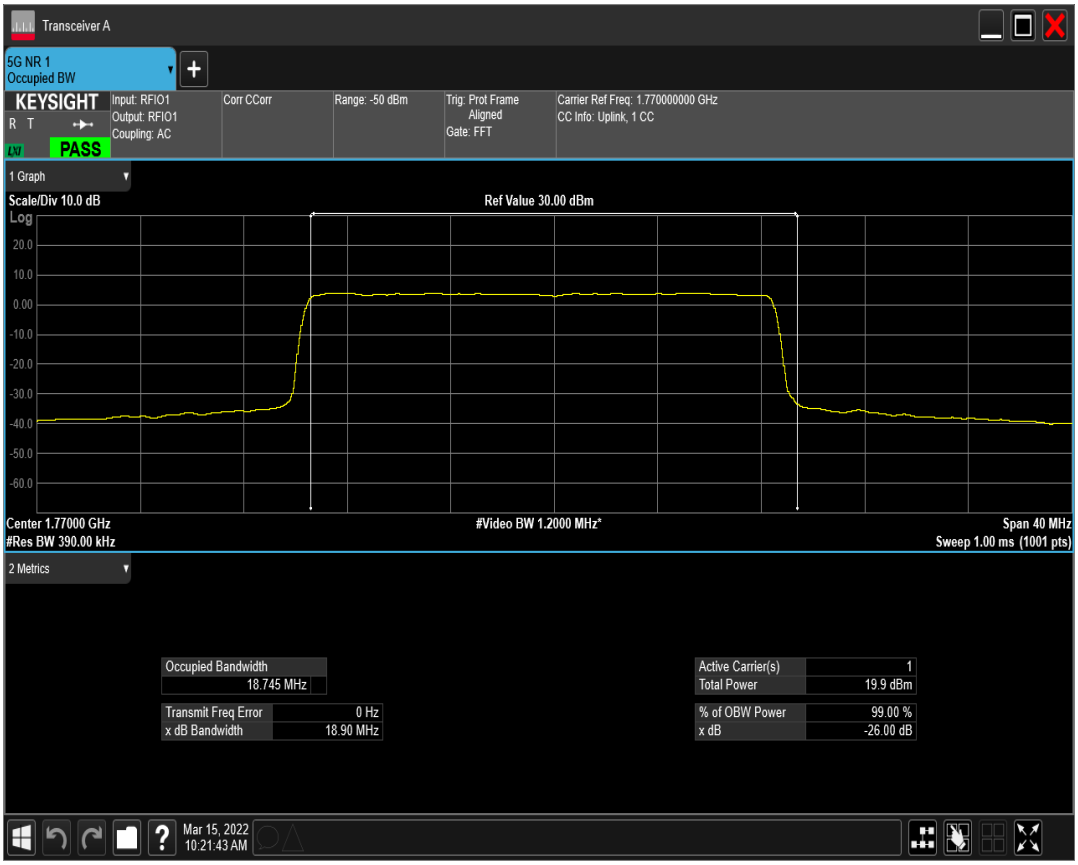

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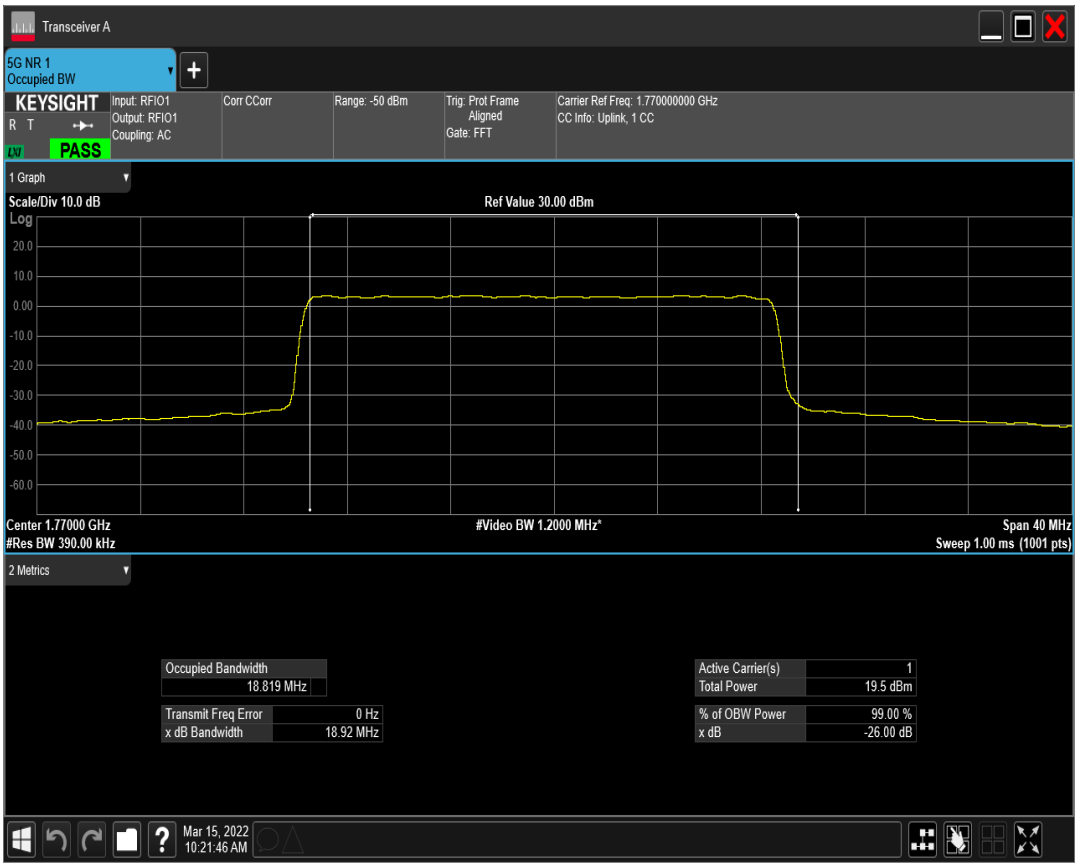

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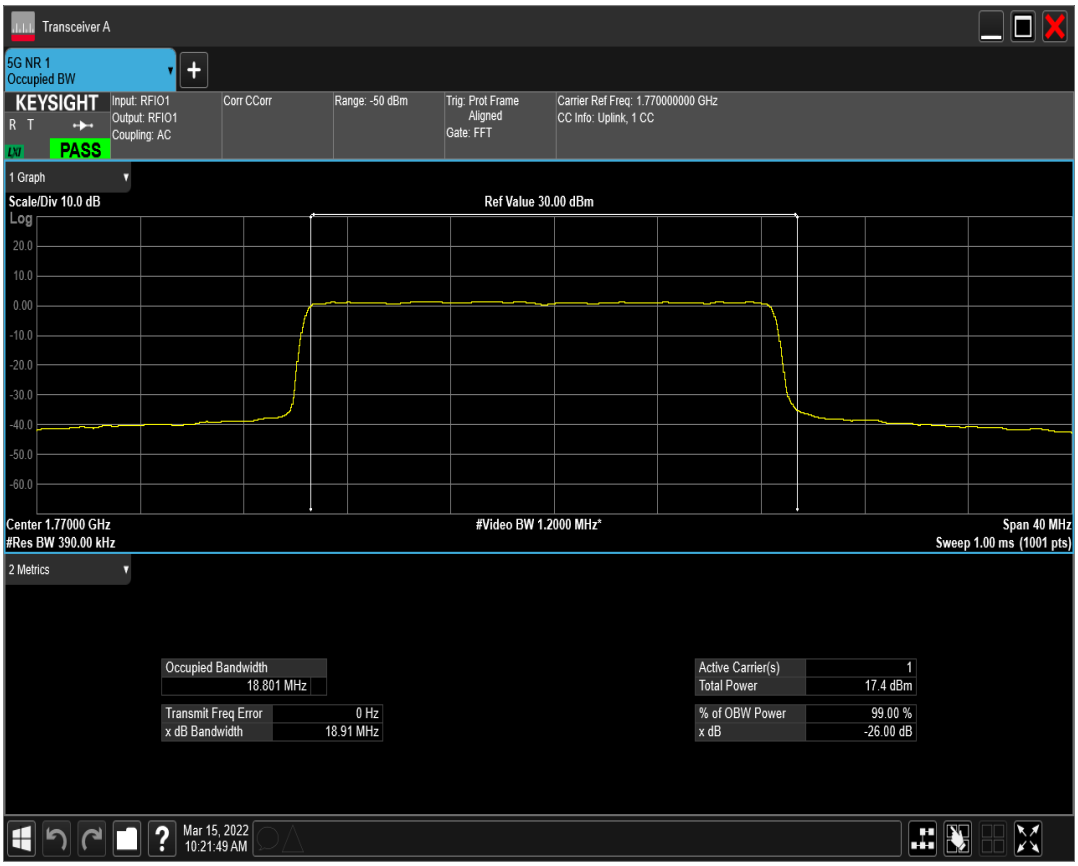

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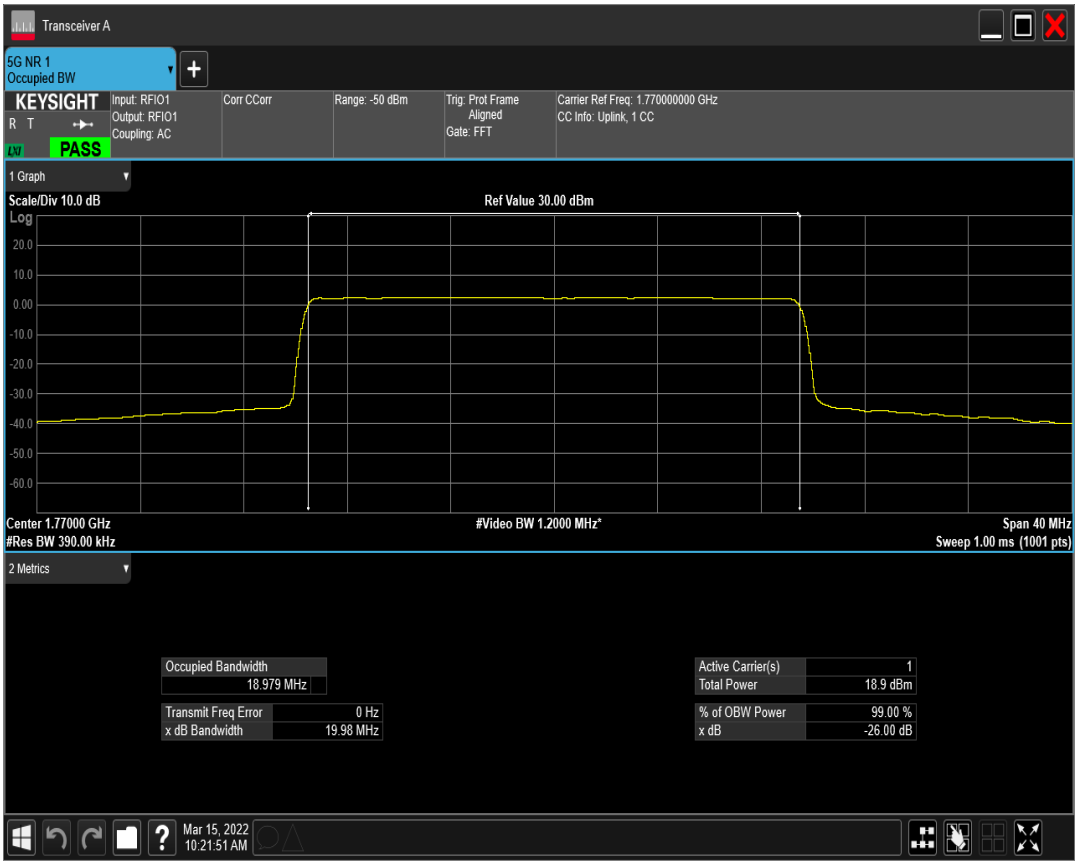

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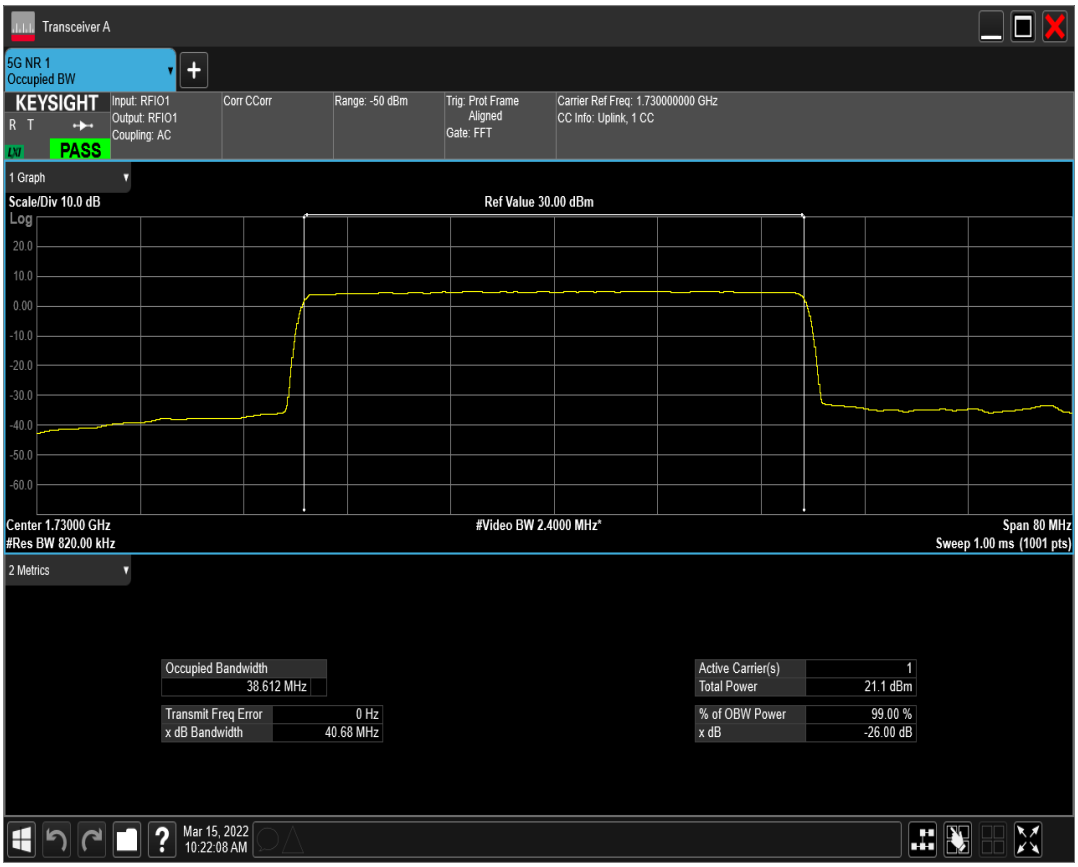

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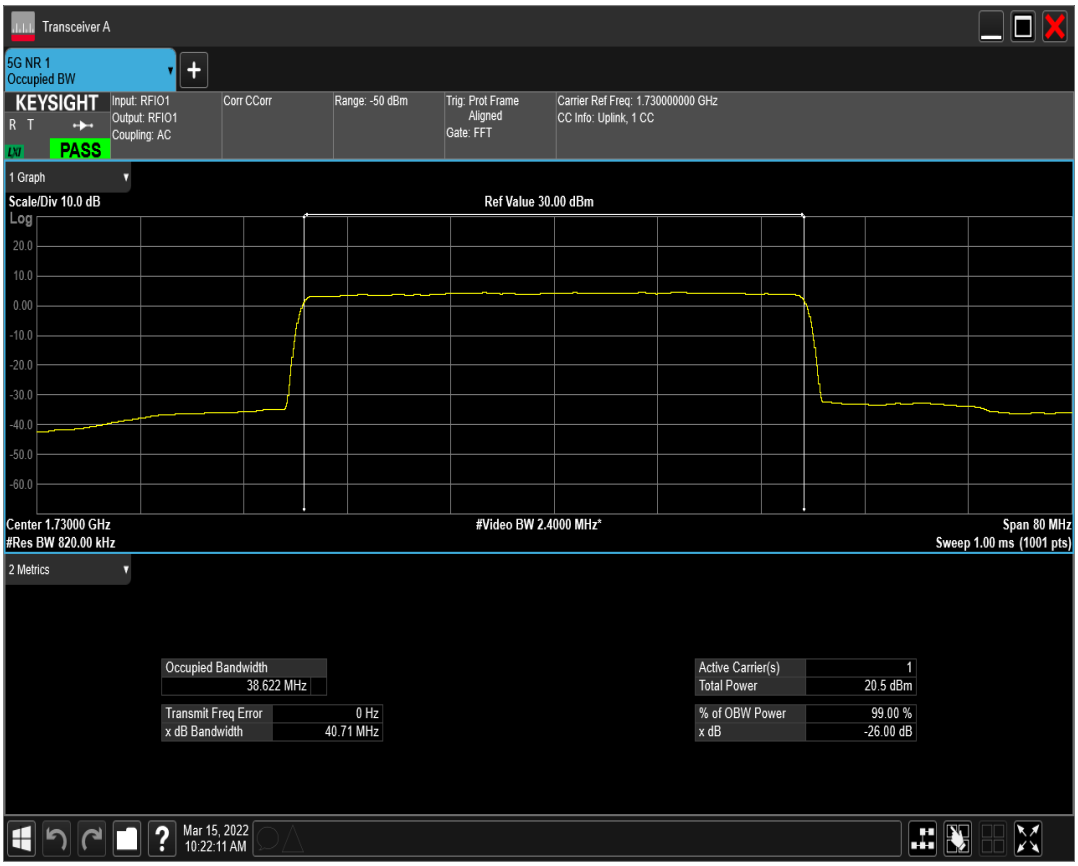

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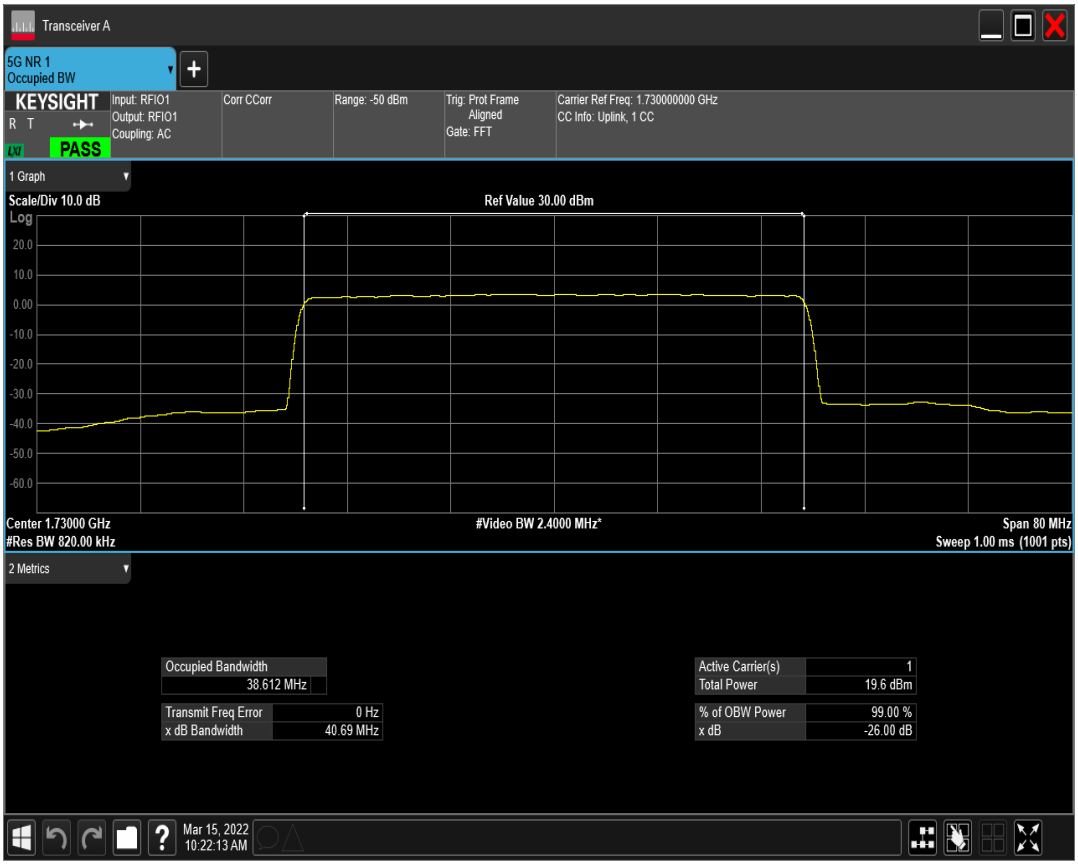

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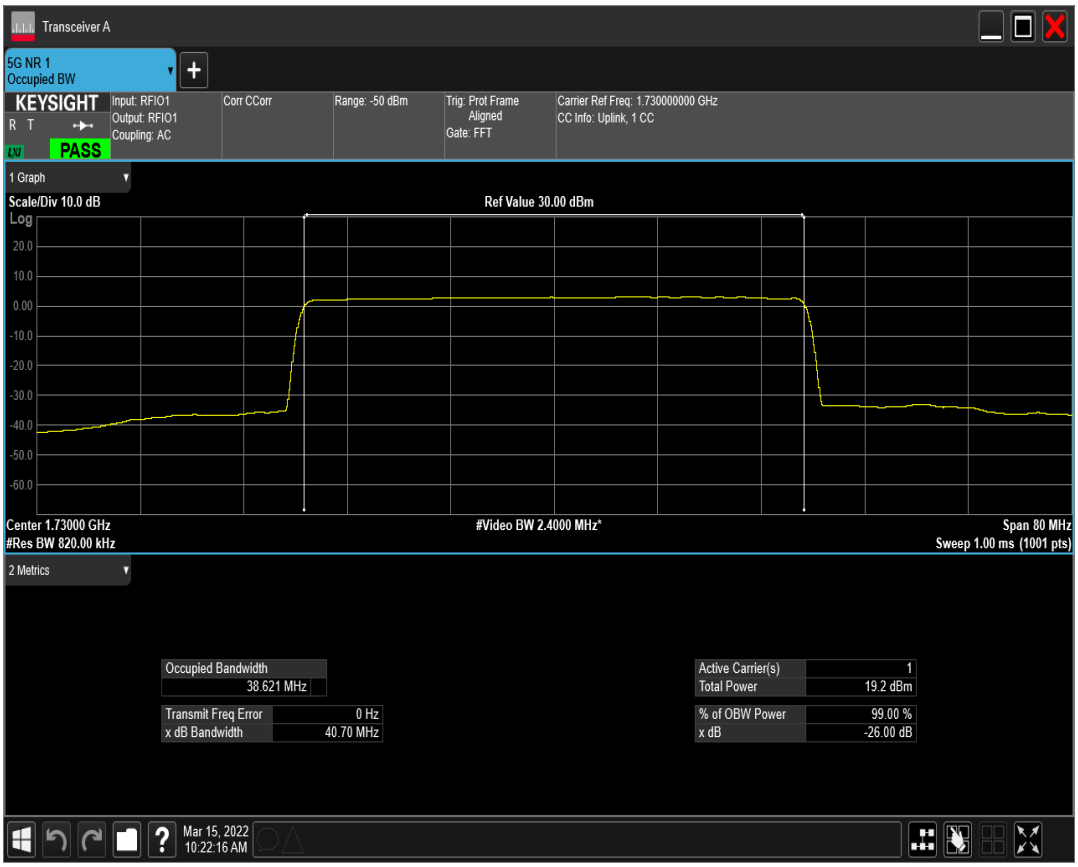

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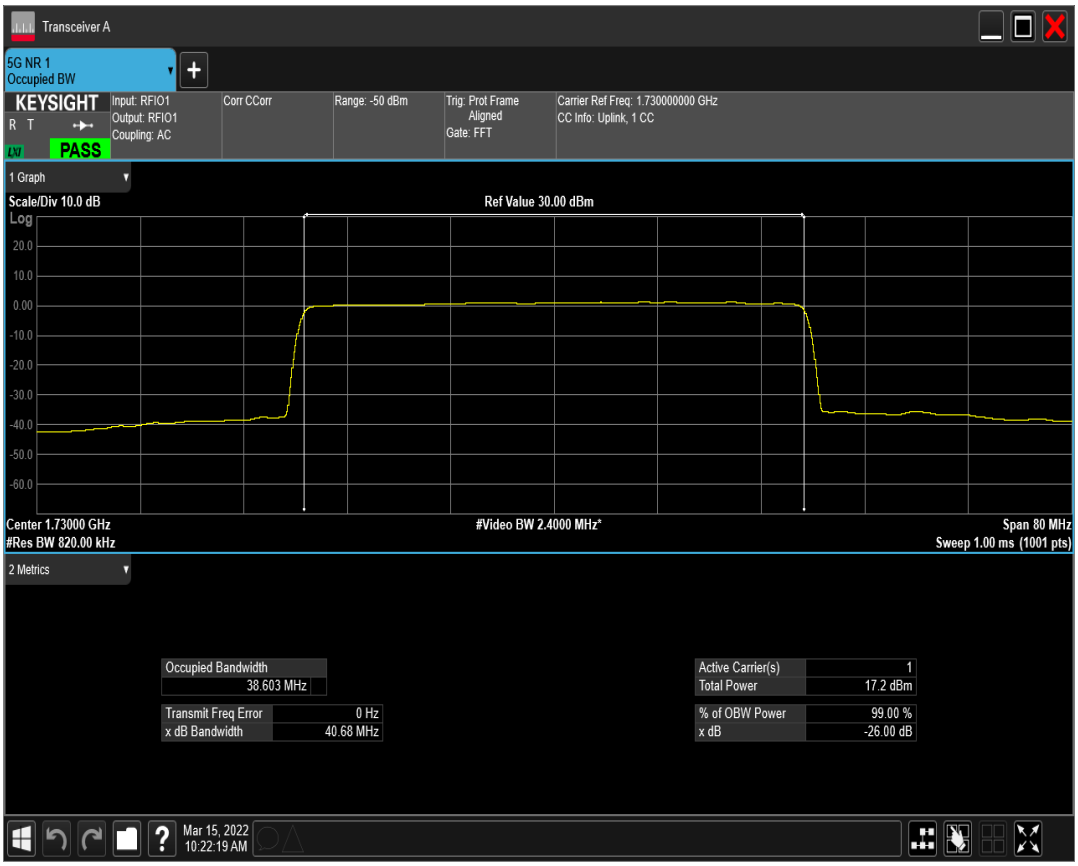

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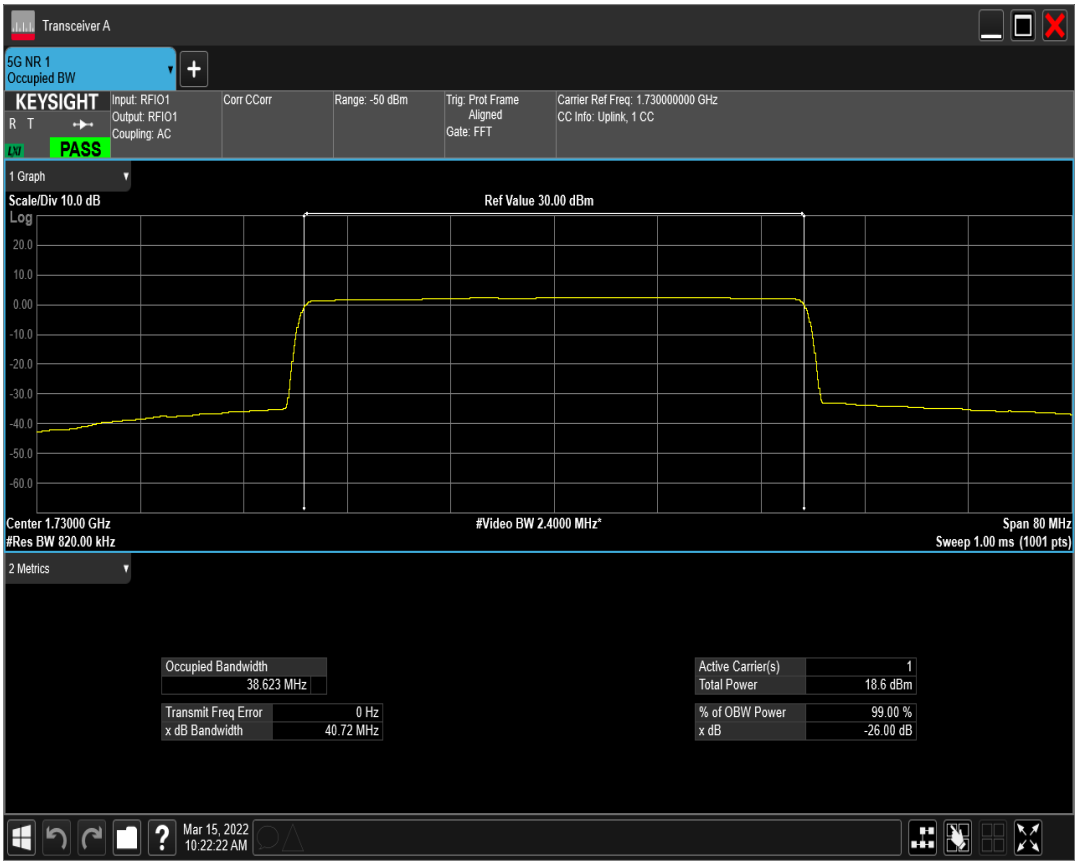

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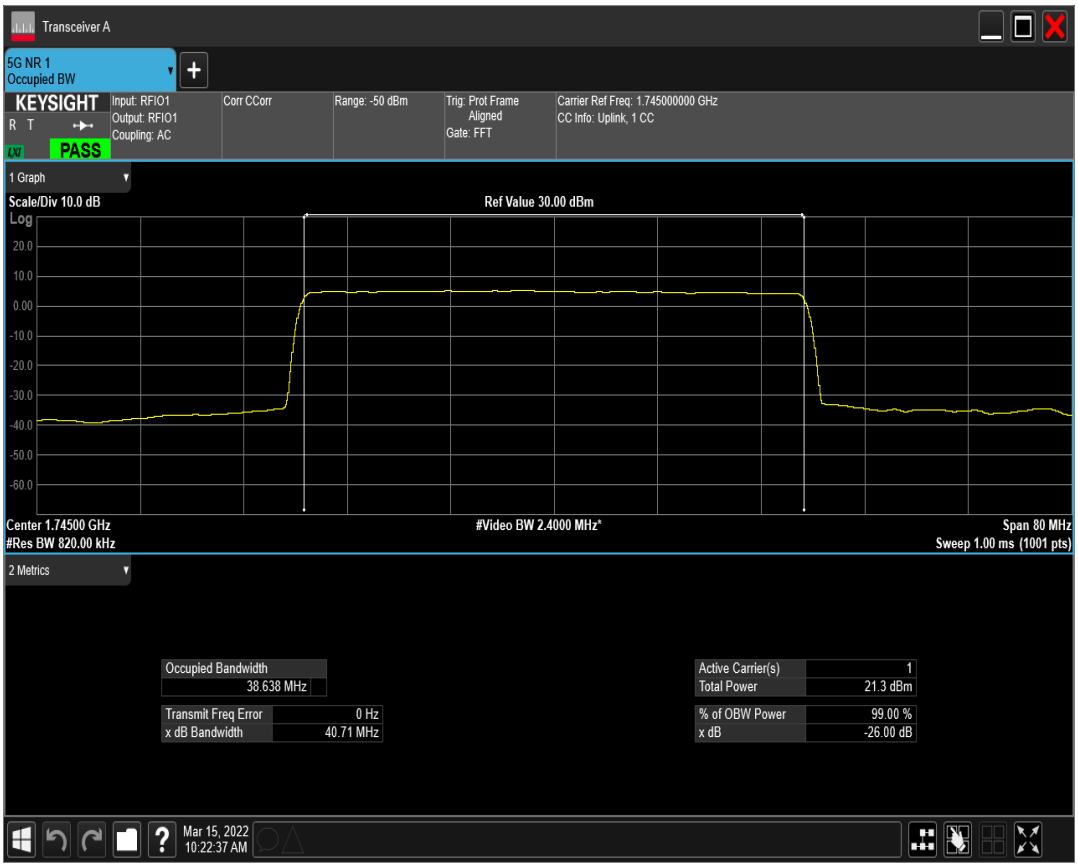

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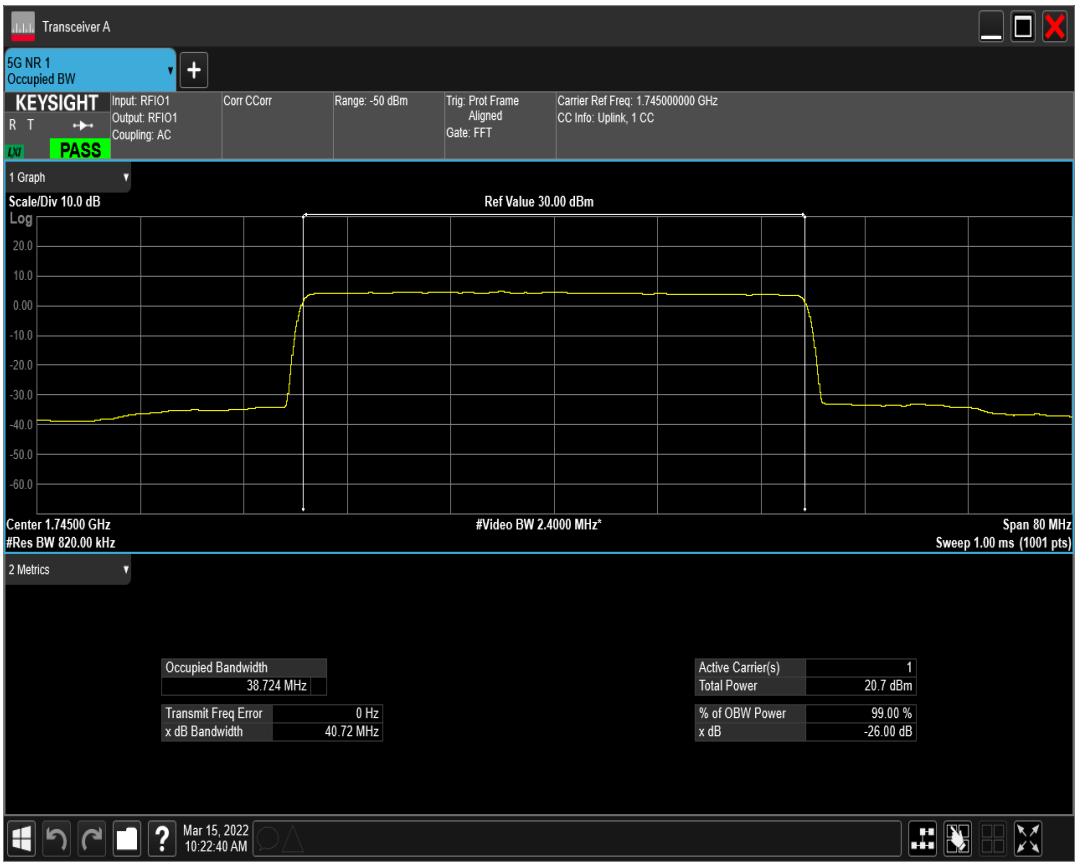

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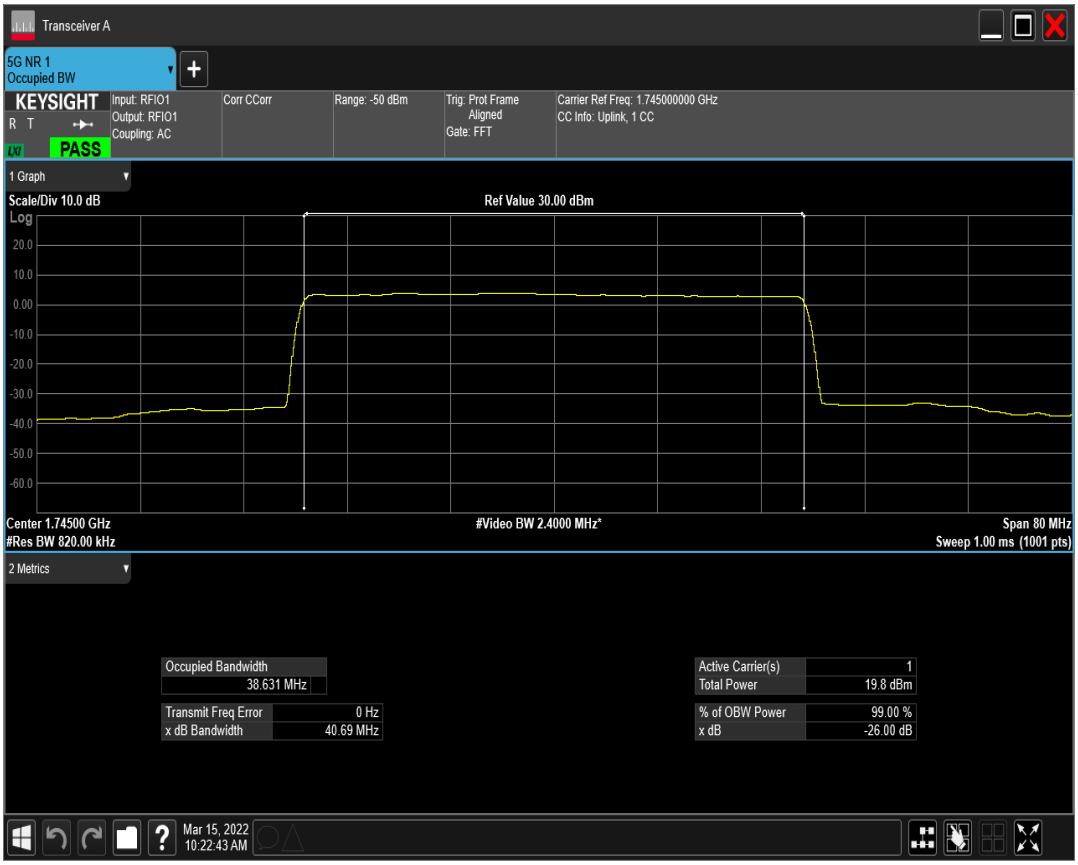

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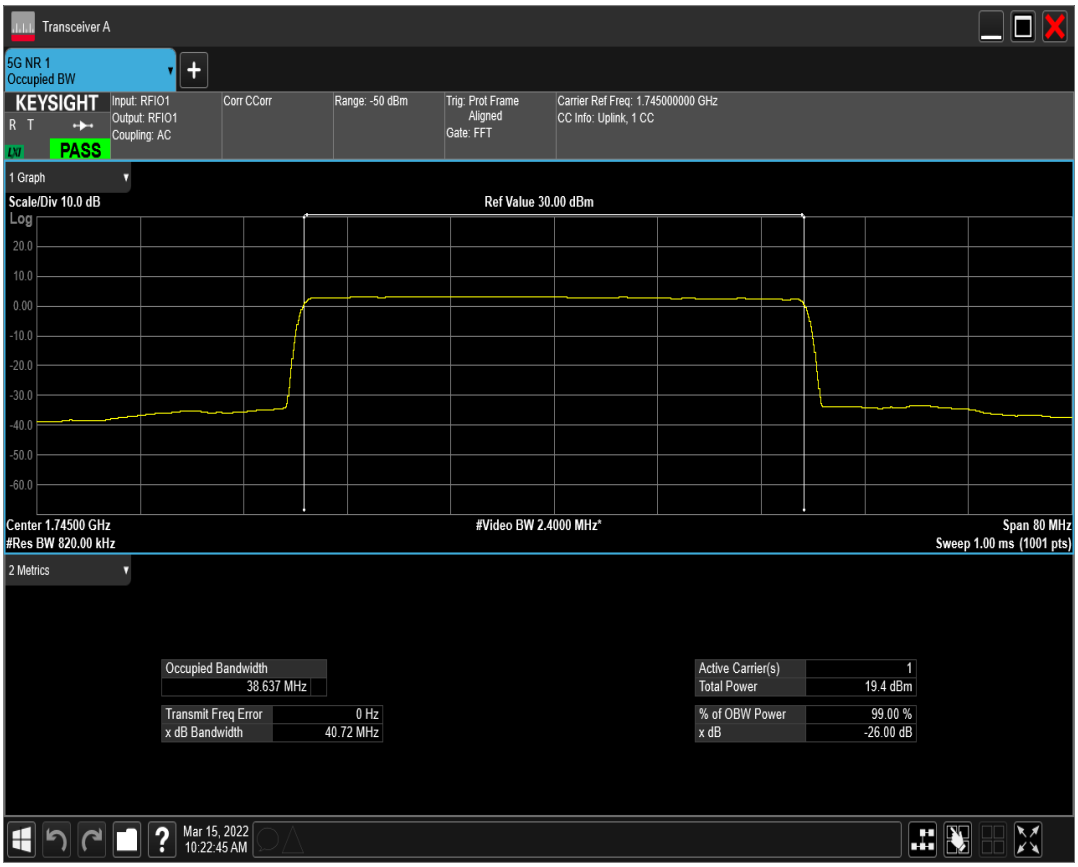

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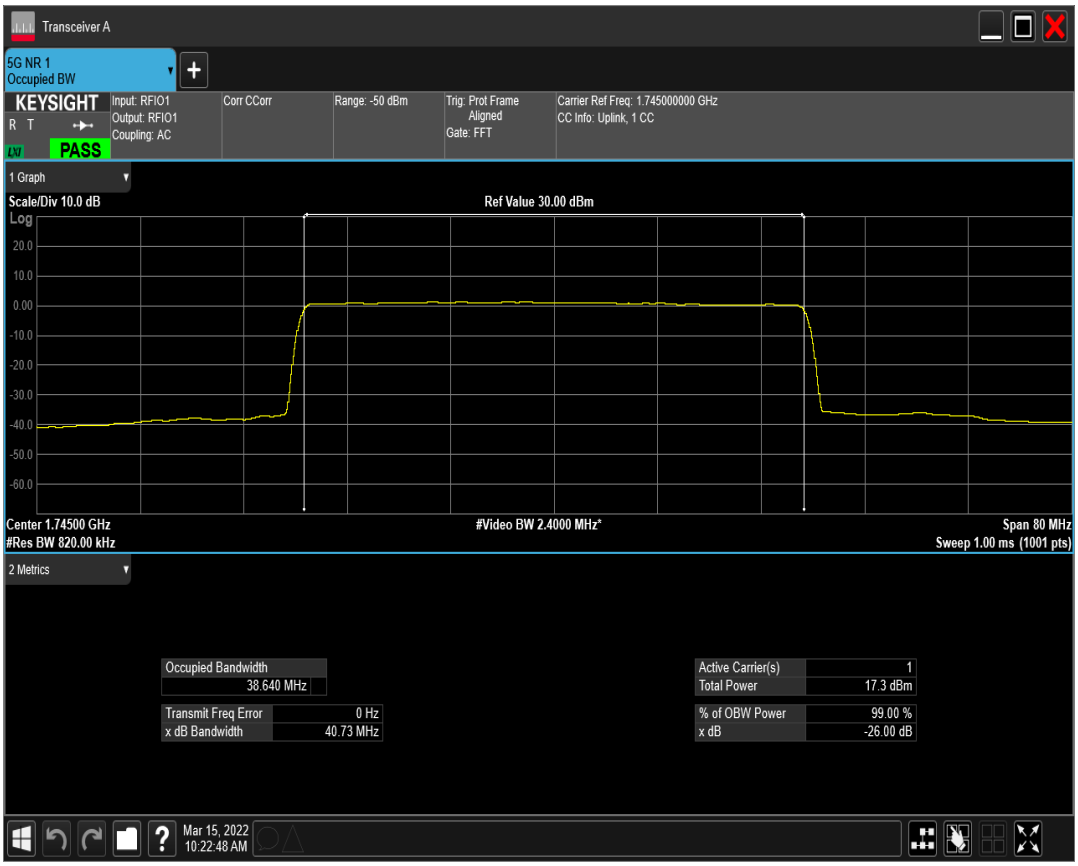
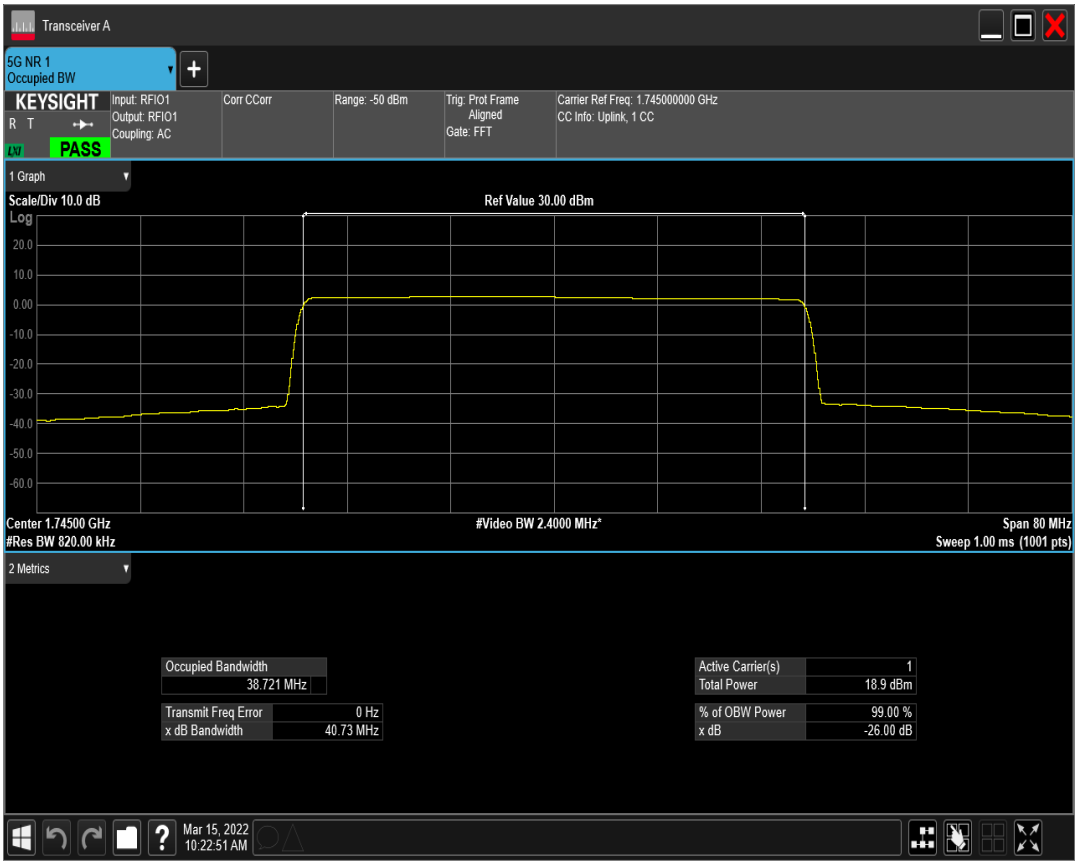
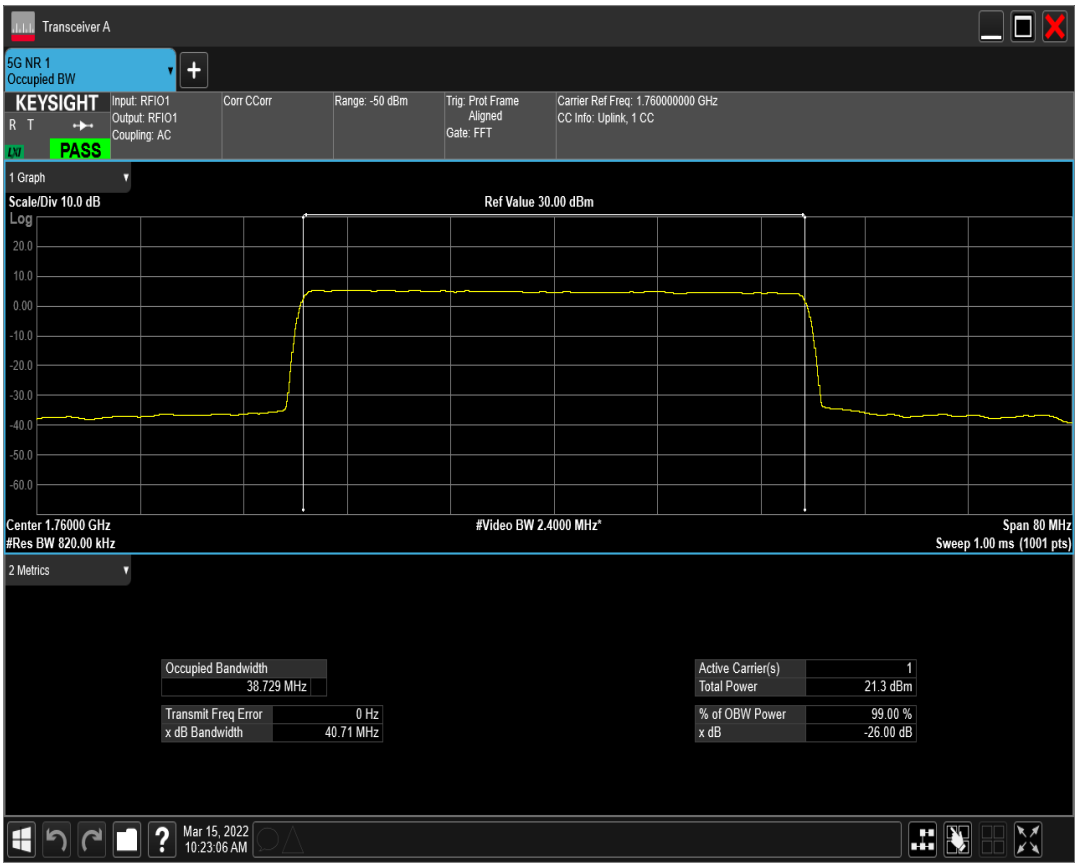


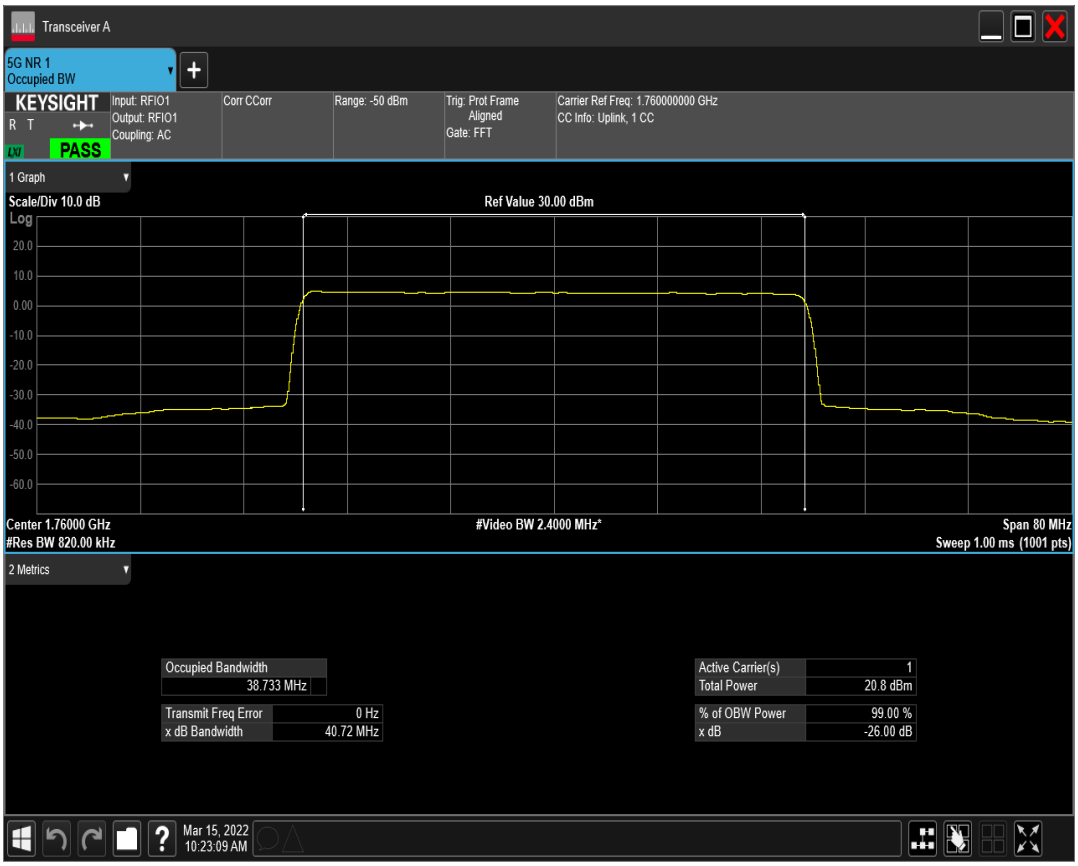
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=349000 RB=216@0



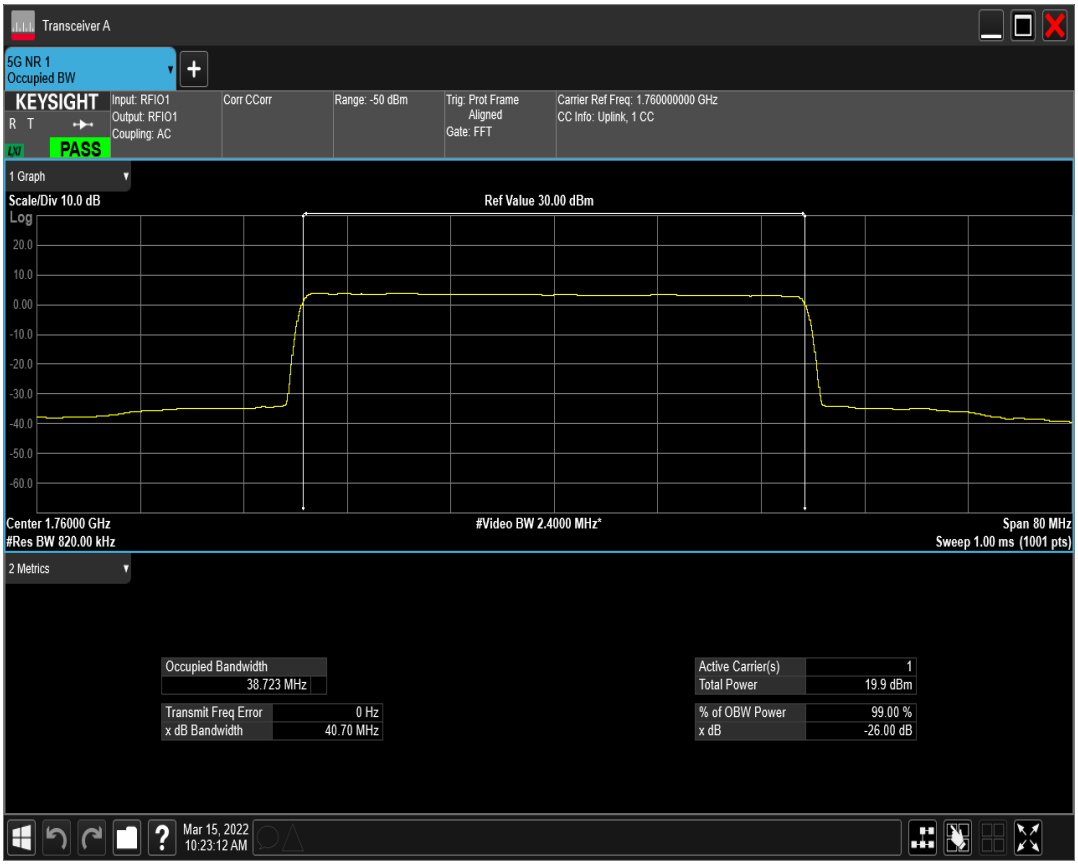
n66 SCS=15kHz DFT_BPSK BW=40MHz Channel=352000 RB=216@0



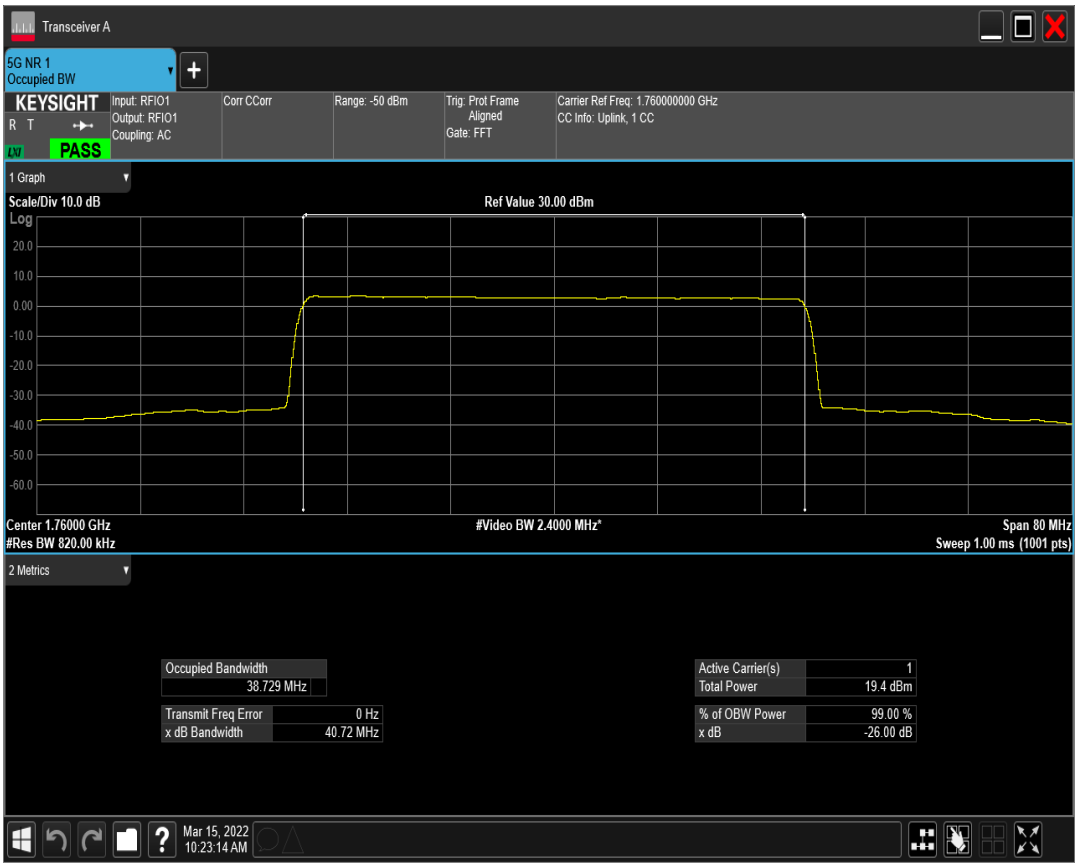
n66 SCS=15kHz DFT_QPSK BW=40MHz Channel=352000 RB=216@0



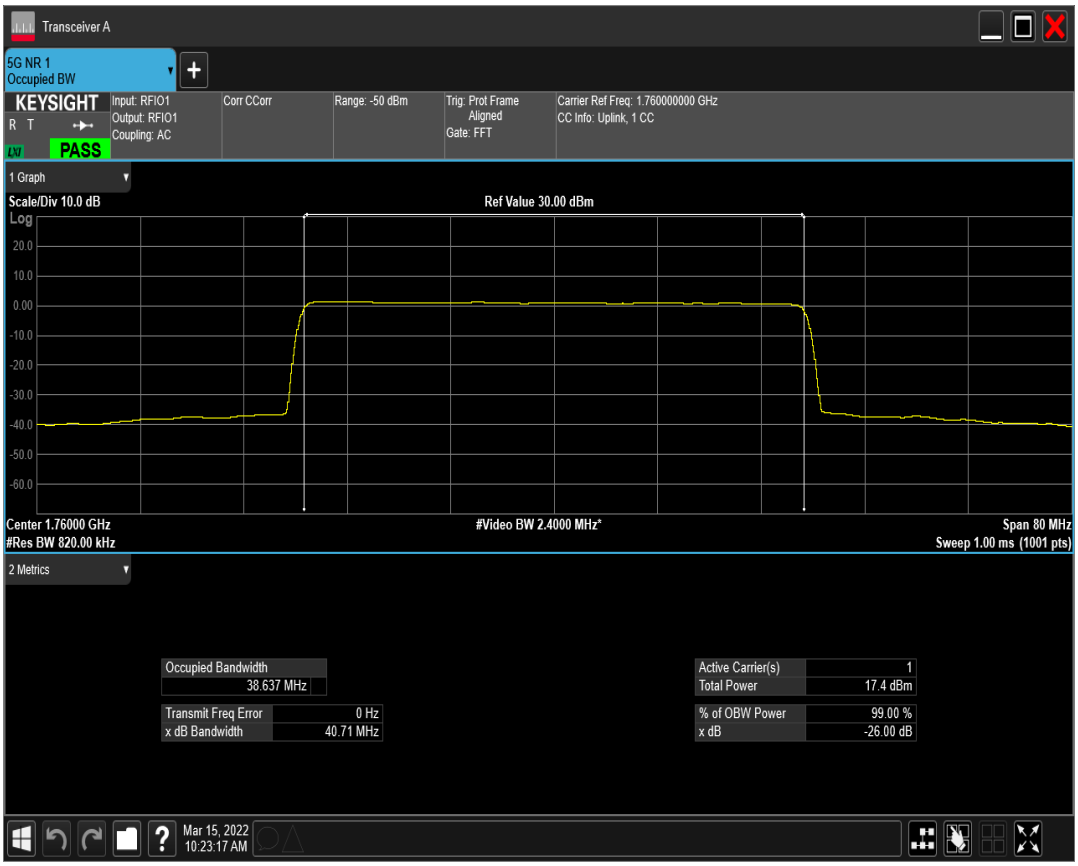
n66 SCS=15kHz DFT_QAM16 BW=40MHz Channel=352000 RB=216@0



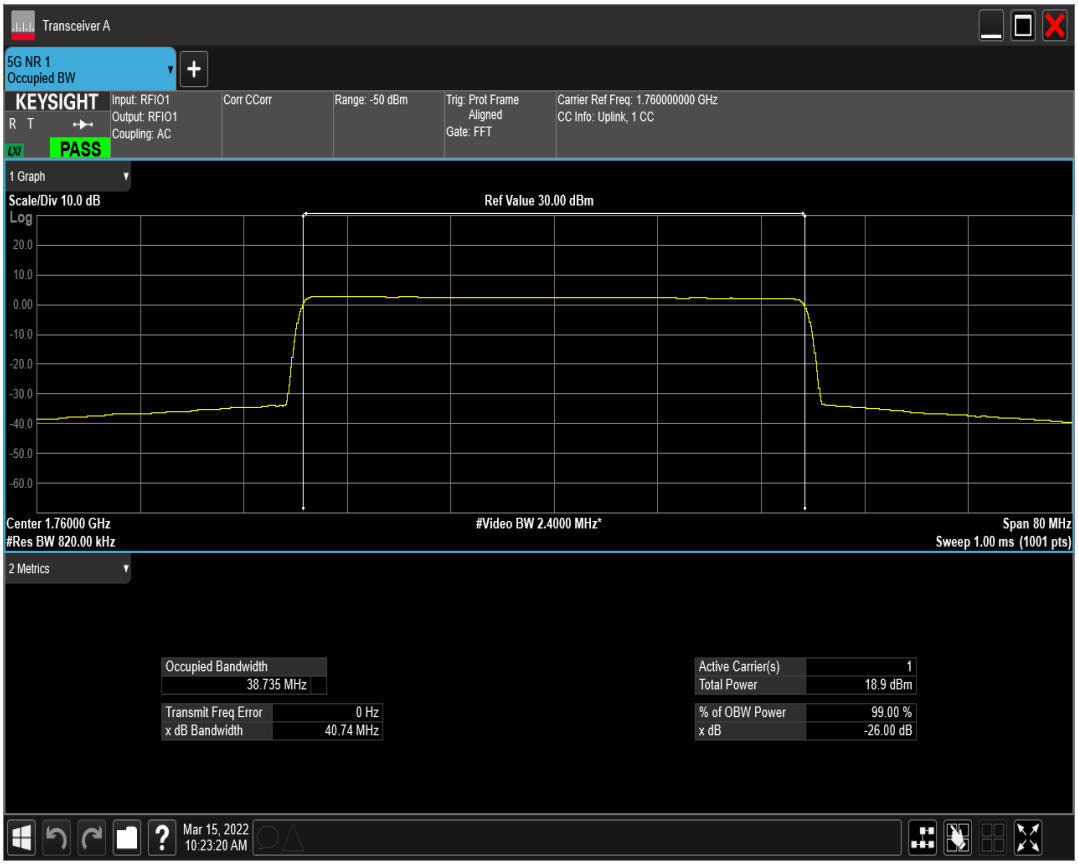
n66 SCS=15kHz DFT_QAM64 BW=40MHz Channel=352000 RB=216@0



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



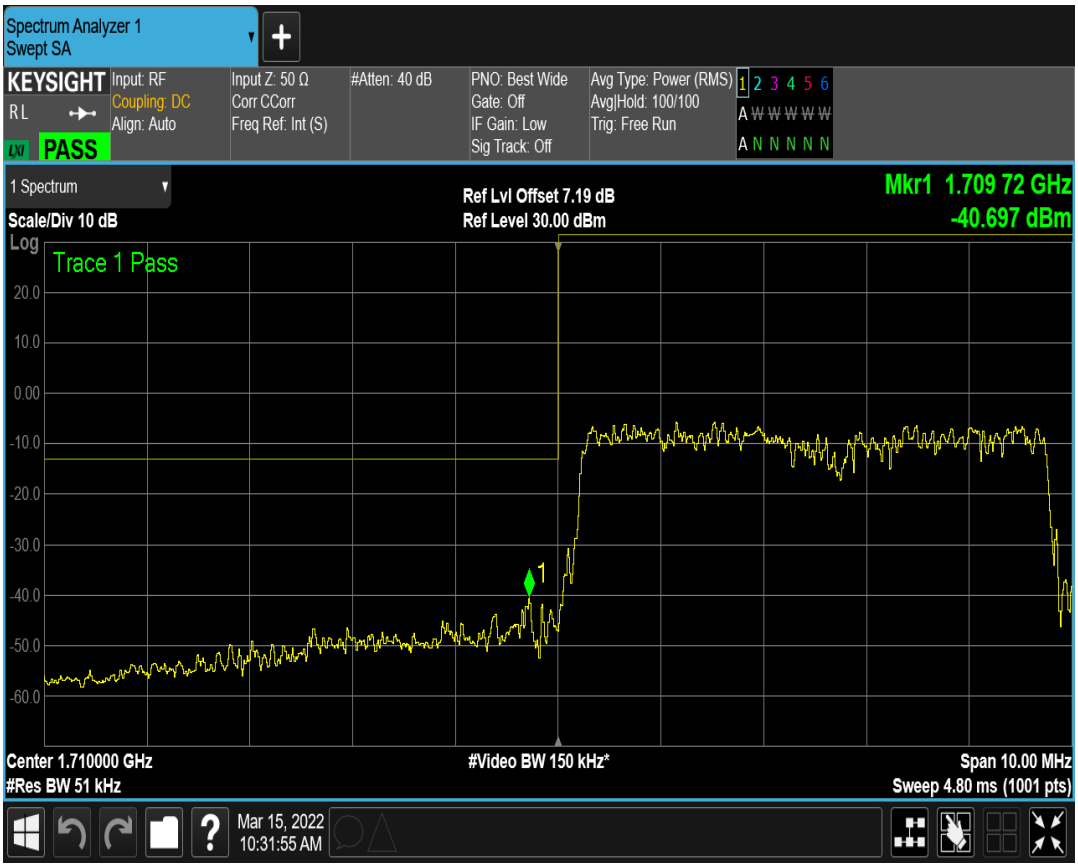
n66 SCS=15kHz CP_QPSK BW=40MHz Channel=352000 RB=216@0



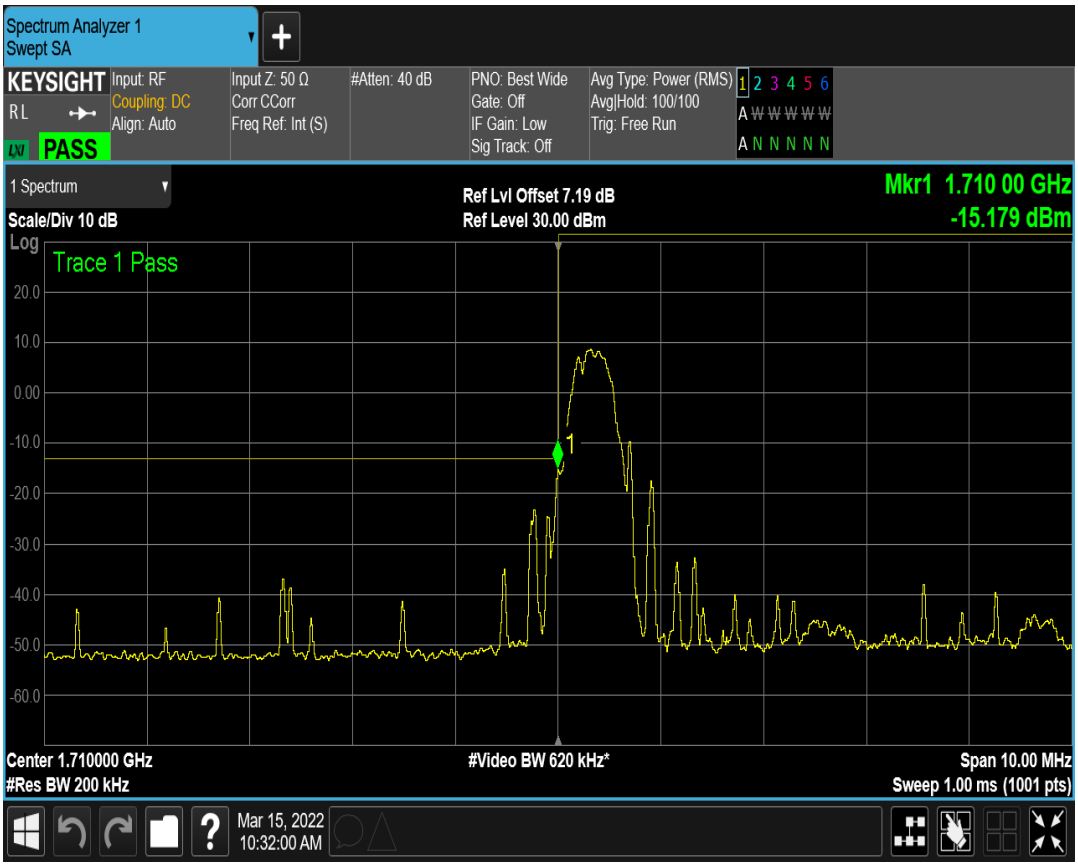
5 Band edge for NR FR1

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	1709.72	-40.69	-13	PASS
n66	15	5	342500	1@0	DFT_QPSK	1710.00	-15.17	-13	PASS
n66	15	5	355500	25@0	DFT_QPSK	1780.03	-40.01	-13	PASS
n66	15	5	355500	1@24	DFT_QPSK	1780.02	-18.25	-13	PASS
n66	15	40	346000	216@0	DFT_QPSK	1710.00	-39.04	-13	PASS
n66	15	40	346000	1@0	DFT_QPSK	1710.00	-27.90	-13	PASS
n66	15	40	352000	216@0	DFT_QPSK	1780.32	-35.02	-13	PASS
n66	15	40	352000	1@215	DFT_QPSK	1780.32	-33.40	-13	PASS

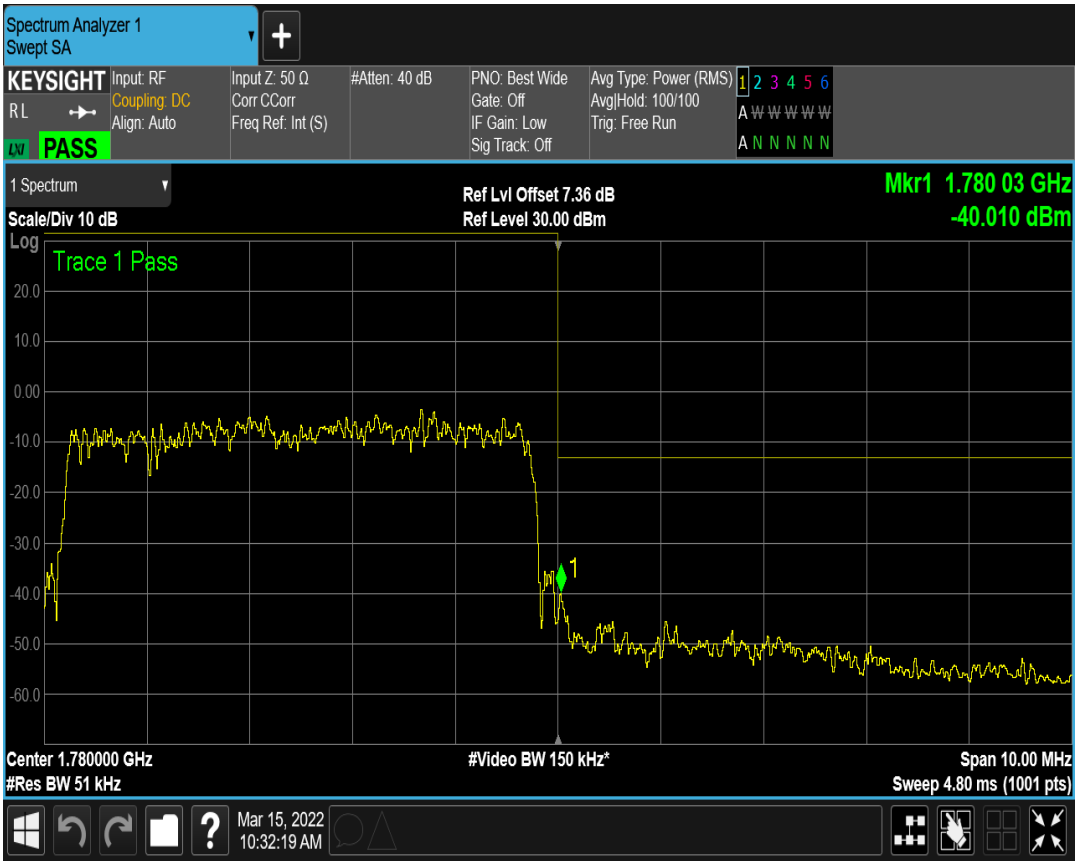
n66 SCS=15kHz DFT_QPSK BW=5MHz Channel=342500 RB=25@0



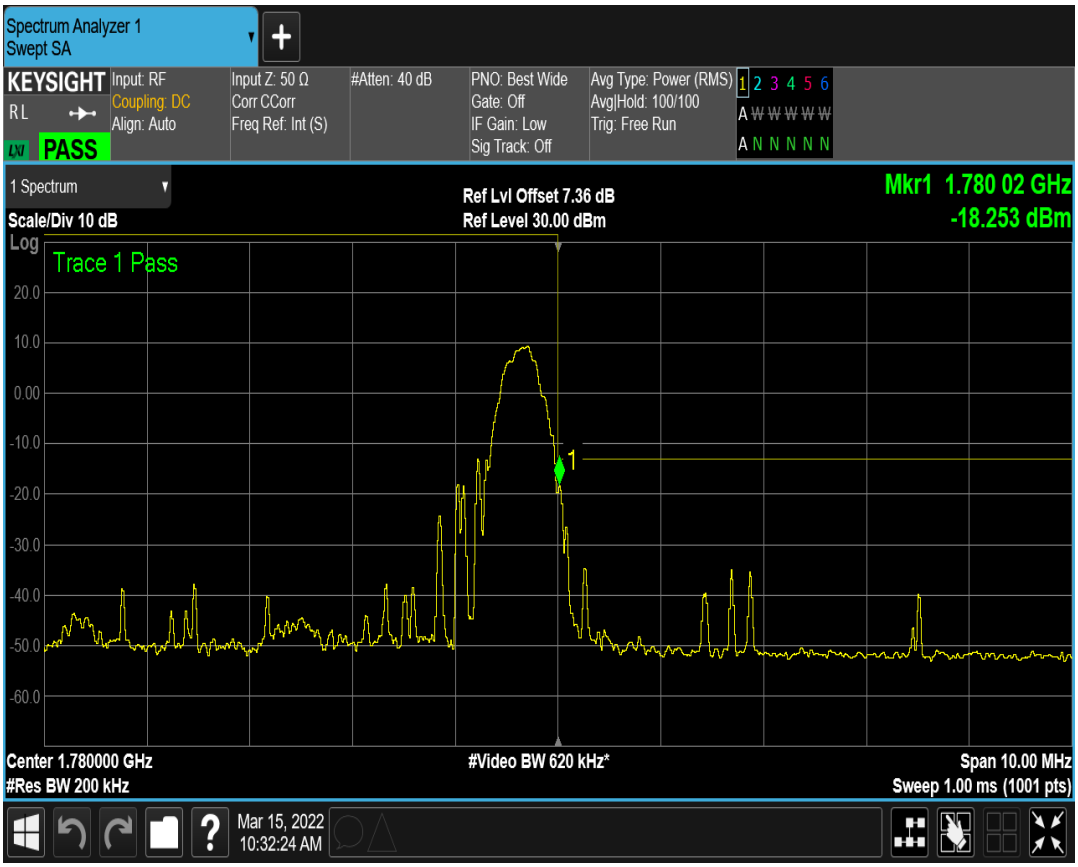
n66 SCS=15kHz DFT_QPSK BW=5MHz Channel=342500 RB=1@0



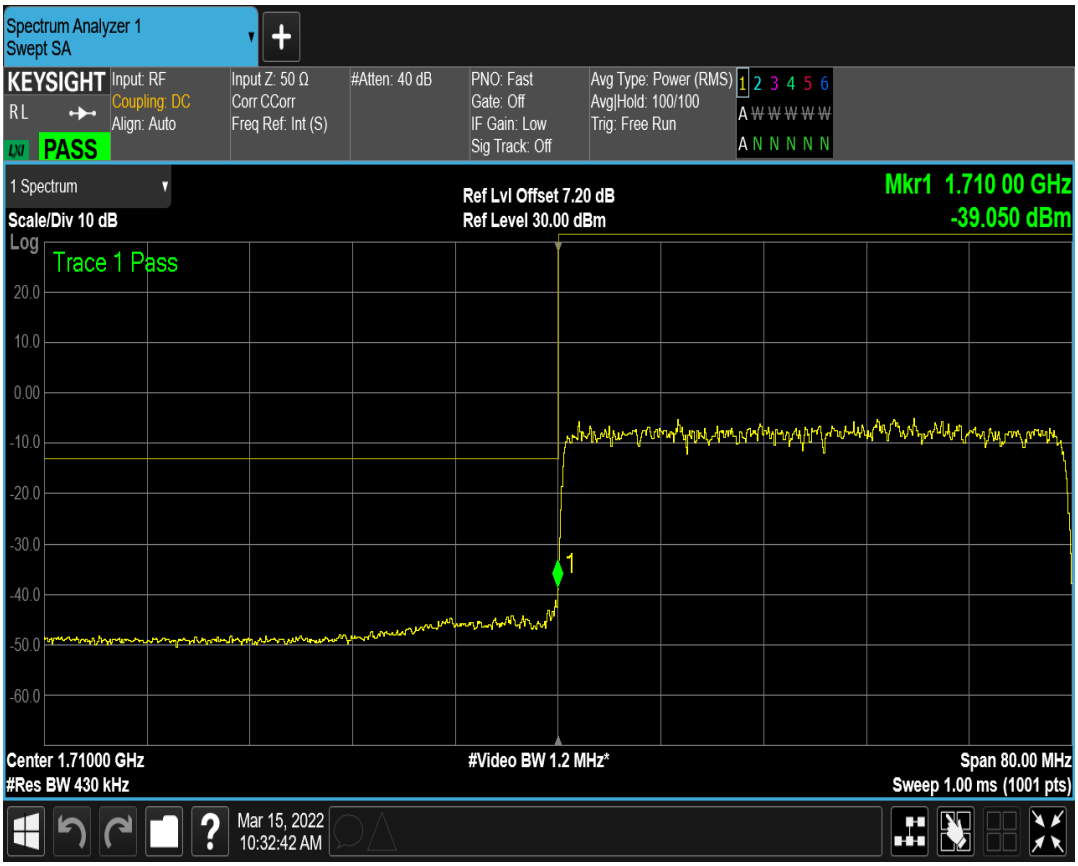
n66 SCS=15kHz DFT_QPSK BW=5MHz Channel=355500 RB=25@0



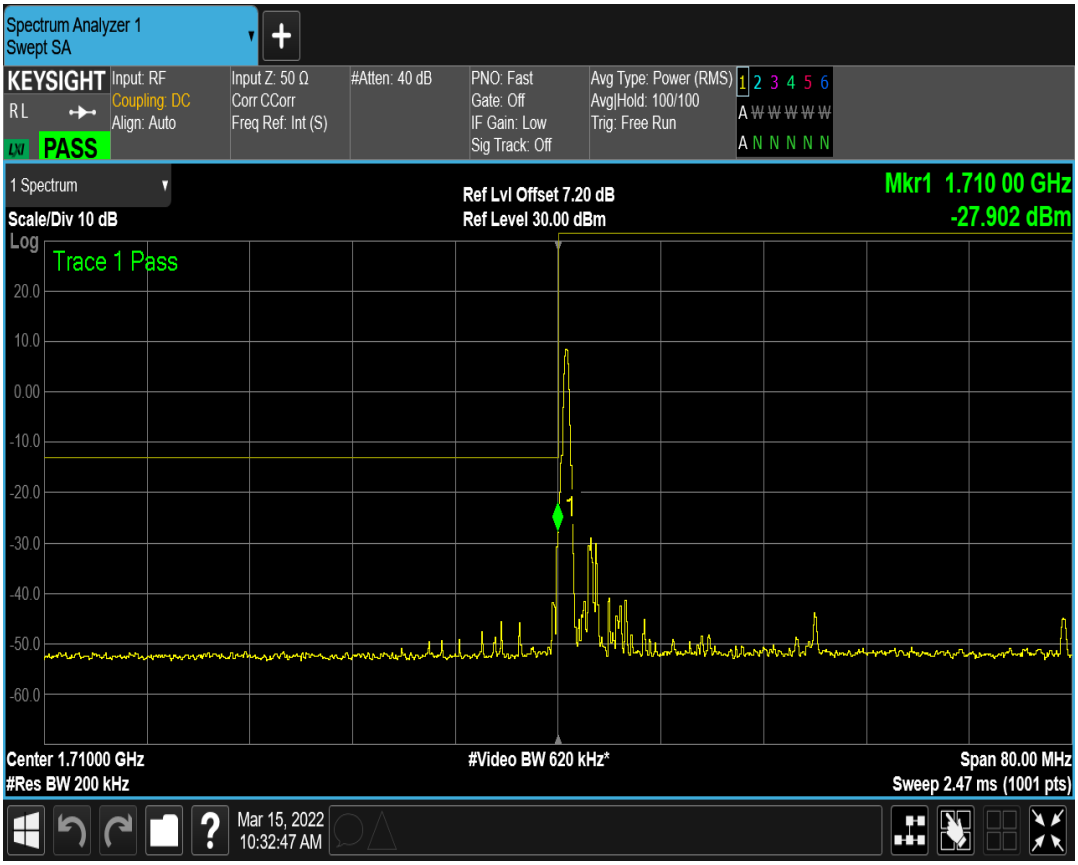
n66 SCS=15kHz DFT_QPSK BW=5MHz Channel=355500 RB=1@24



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

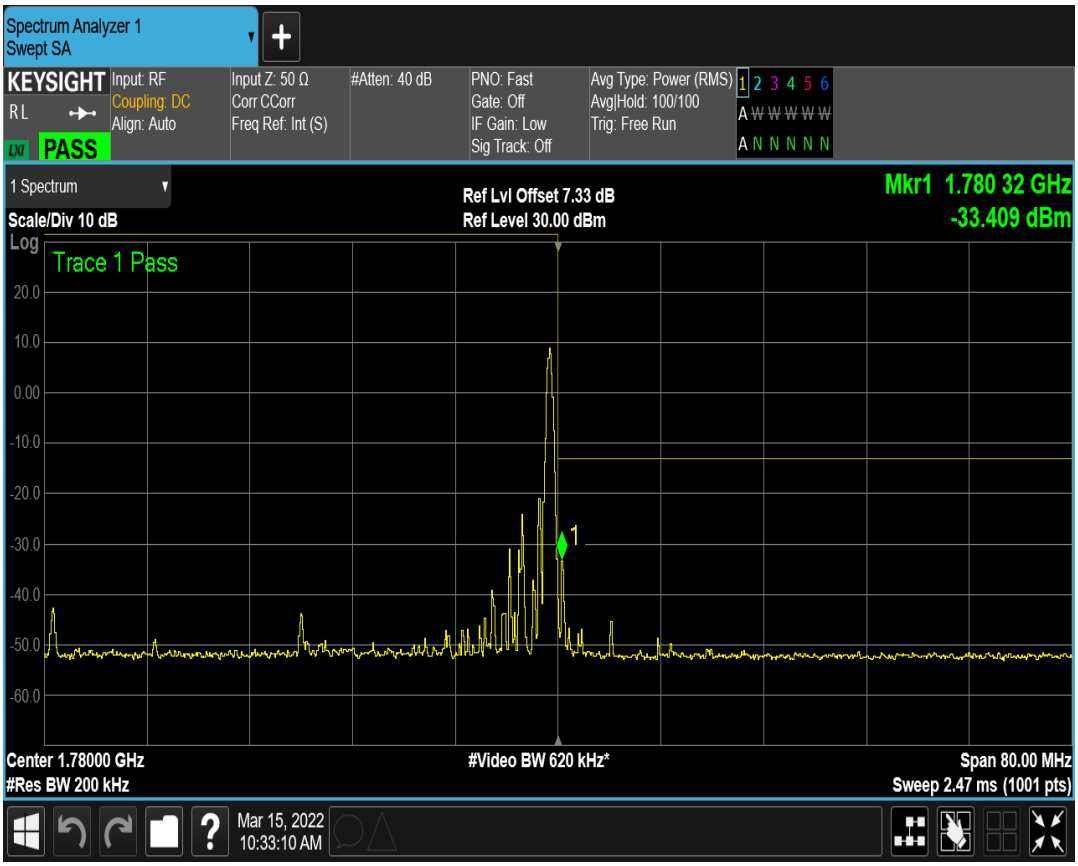


n66 SCS=15kHz DFT_QPSK BW=40MHz Channel=346000 RB=1@0



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

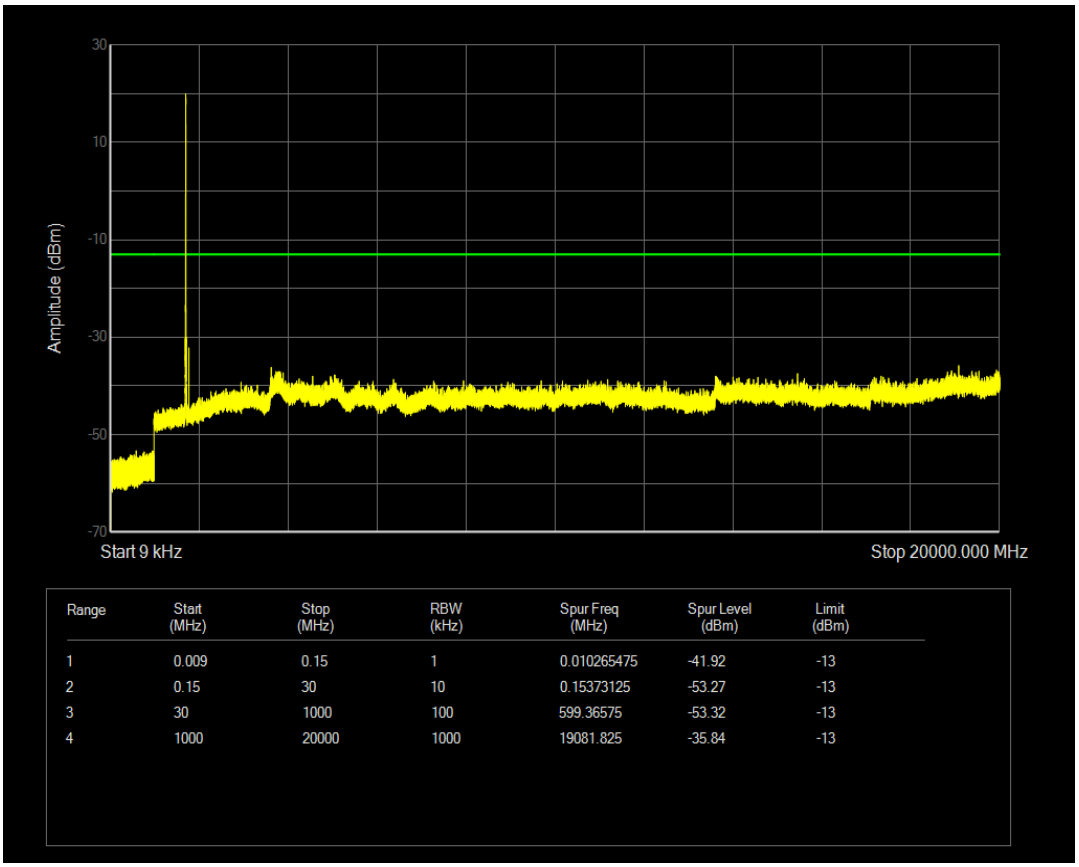
n66 SCS=15kHz DFT_QPSK BW=40MHz Channel=352000 RB=1@215



6 Out-of-band emissions for NR FR1

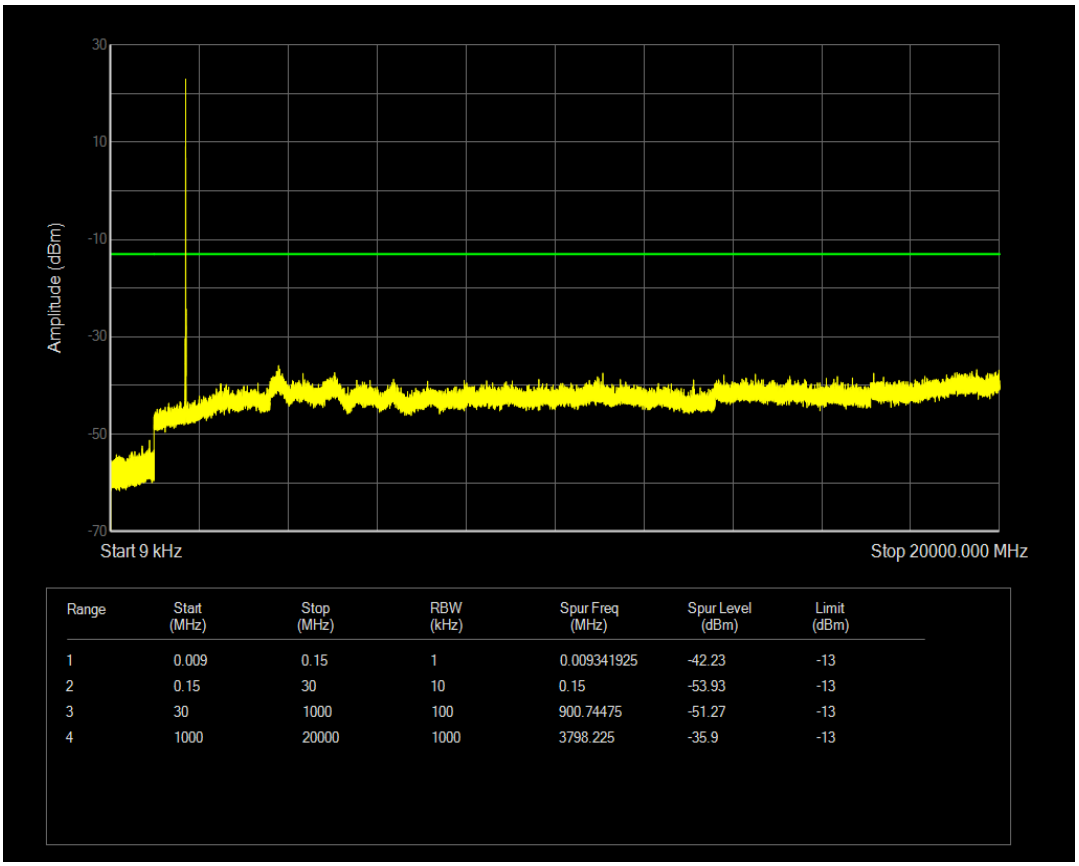
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n66	15	5	342500	25@0	DFT_QPSK	19081.83	-35.84	-13	PASS
n66	15	5	342500	1@0	DFT_QPSK	3798.23	-35.90	-13	PASS
n66	15	5	342500	1@24	DFT_QPSK	18972.58	-36.50	-13	PASS
n66	15	5	349000	25@0	DFT_QPSK	19248.55	-36.59	-13	PASS
n66	15	5	349000	1@0	DFT_QPSK	3773.53	-36.52	-13	PASS
n66	15	5	349000	1@24	DFT_QPSK	18934.58	-36.48	-13	PASS
n66	15	5	355500	25@0	DFT_QPSK	19336.43	-35.92	-13	PASS
n66	15	5	355500	1@0	DFT_QPSK	19991.45	-36.20	-13	PASS
n66	15	5	355500	1@24	DFT_QPSK	19408.63	-35.97	-13	PASS
n66	15	40	346000	216@0	DFT_QPSK	19889.80	-36.53	-13	PASS
n66	15	40	346000	1@0	DFT_QPSK	3812.95	-36.73	-13	PASS
n66	15	40	346000	1@215	DFT_QPSK	3706.55	-36.55	-13	PASS
n66	15	40	349000	216@0	DFT_QPSK	4184.88	-36.68	-13	PASS
n66	15	40	349000	1@0	DFT_QPSK	18572.15	-36.59	-13	PASS
n66	15	40	349000	1@215	DFT_QPSK	18845.75	-36.64	-13	PASS
n66	15	40	352000	216@0	DFT_QPSK	3821.03	-35.77	-13	PASS
n66	15	40	352000	1@0	DFT_QPSK	3701.80	-35.82	-13	PASS
n66	15	40	352000	1@215	DFT_QPSK	19136.93	-35.86	-13	PASS

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



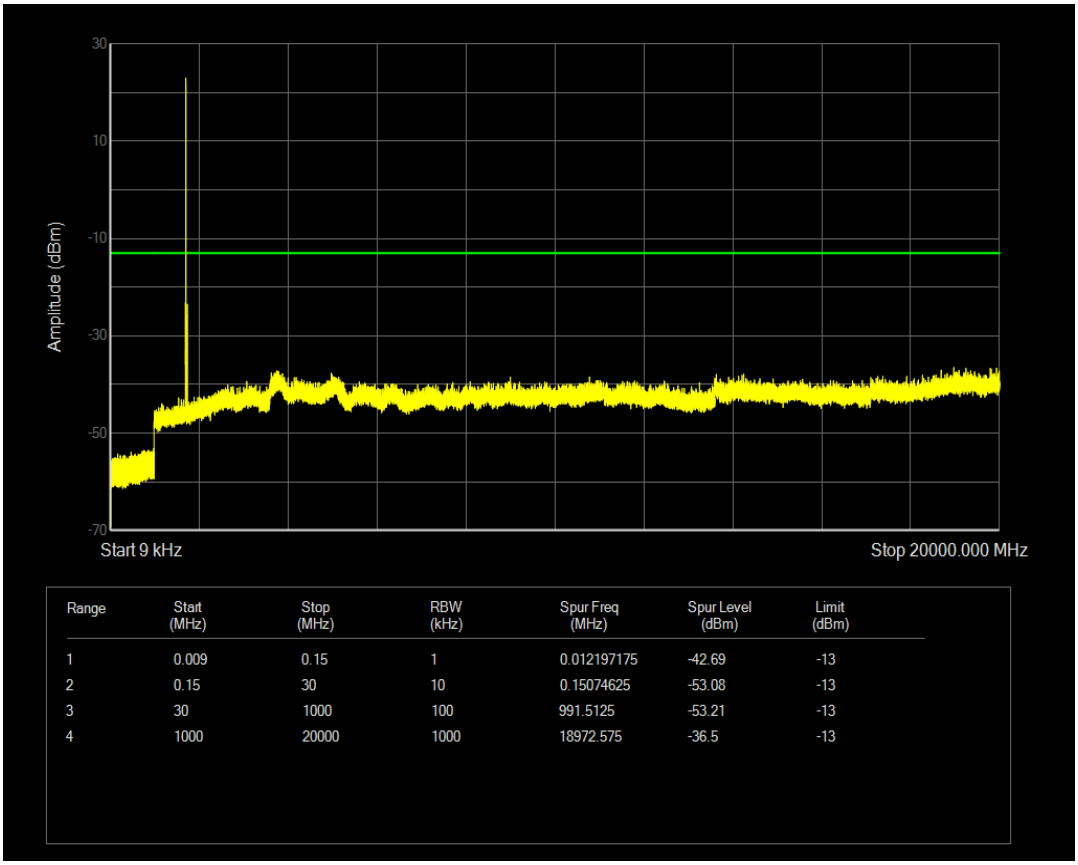
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010265475	-41.92	-13
2	0.15	30	10	0.15373125	-53.27	-13
3	30	1000	100	599.36575	-53.32	-13
4	1000	20000	1000	19081.825	-35.84	-13

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



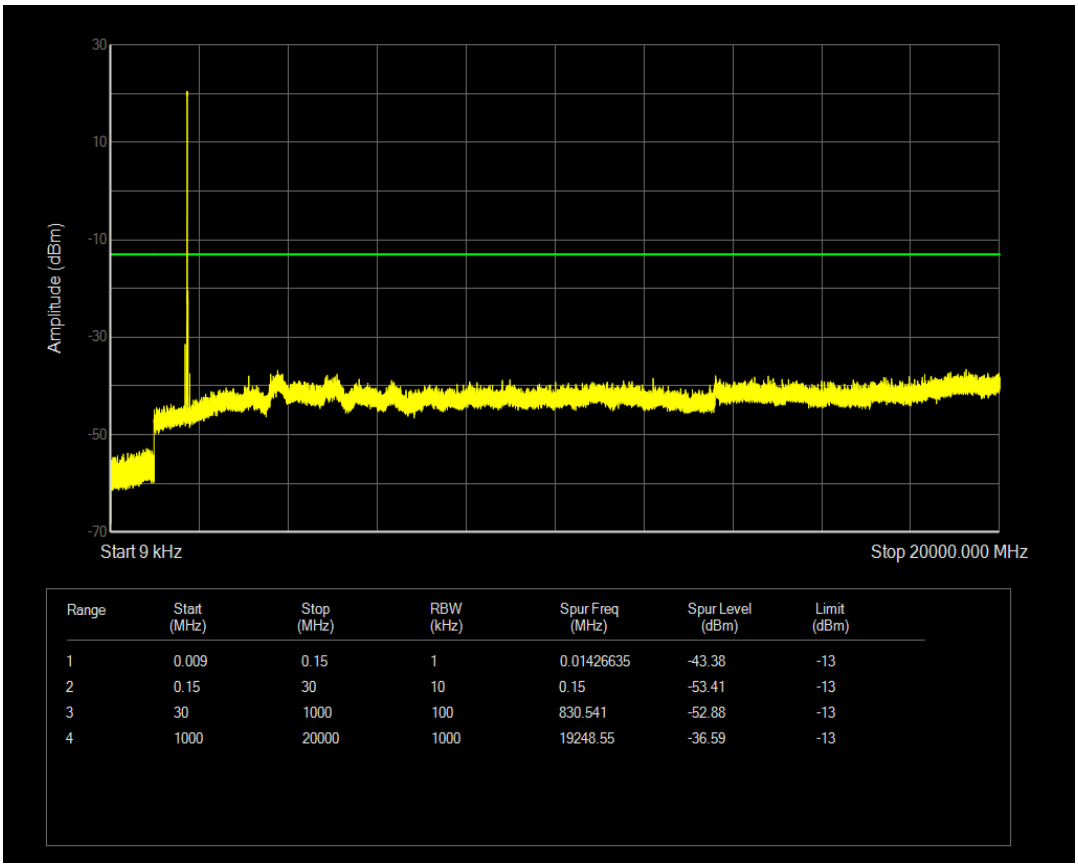
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009341925	-42.23	-13
2	0.15	30	10	0.15	-53.93	-13
3	30	1000	100	900.74475	-51.27	-13
4	1000	20000	1000	3798.225	-35.9	-13

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



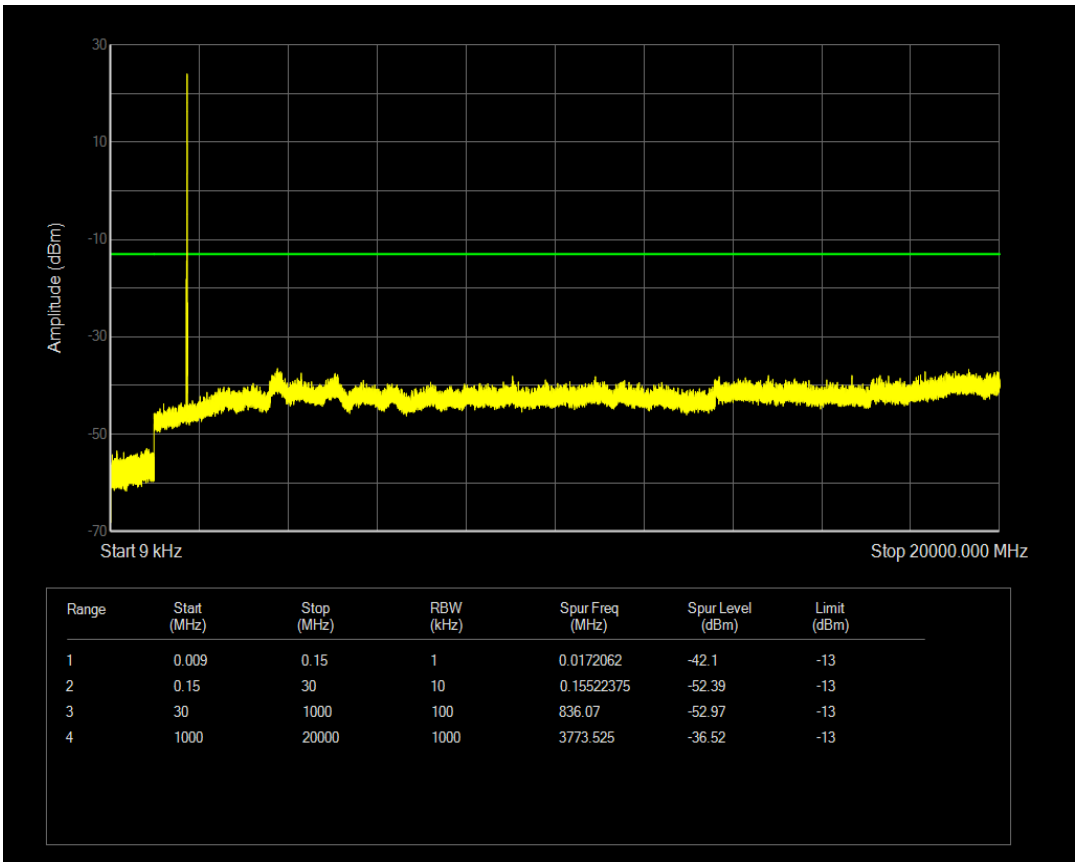
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012197175	-42.69	-13
2	0.15	30	10	0.15074625	-53.08	-13
3	30	1000	100	991.5125	-53.21	-13
4	1000	20000	1000	18972.575	-36.5	-13

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



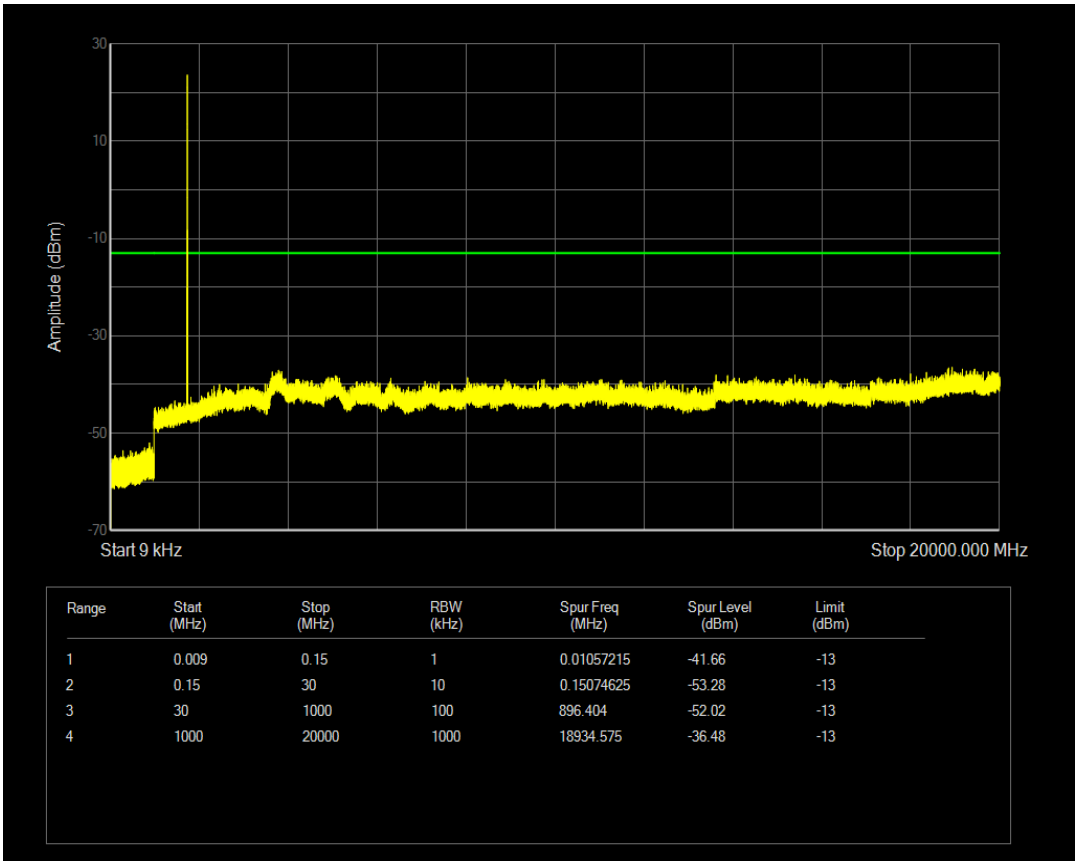
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01426635	-43.38	-13
2	0.15	30	10	0.15	-53.41	-13
3	30	1000	100	830.541	-52.88	-13
4	1000	20000	1000	19248.55	-36.59	-13

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



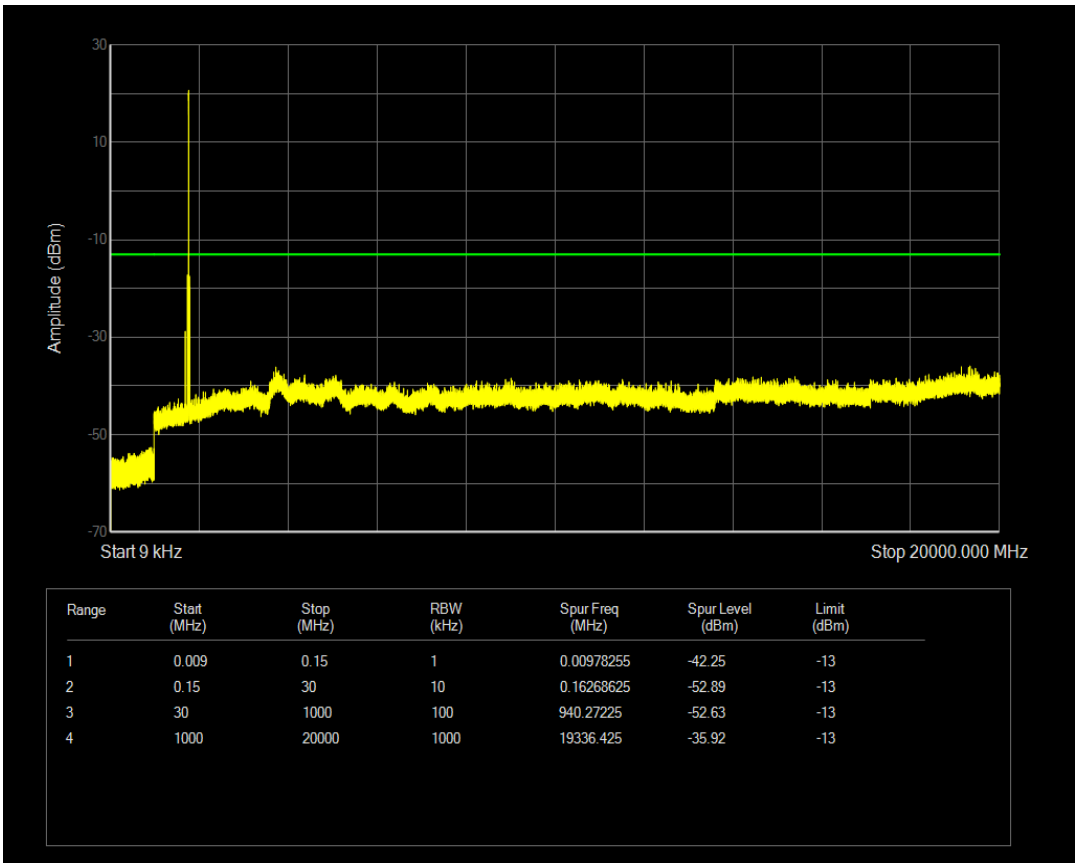
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0172062	-42.1	-13
2	0.15	30	10	0.15522375	-52.39	-13
3	30	1000	100	836.07	-52.97	-13
4	1000	20000	1000	3773.525	-36.52	-13

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



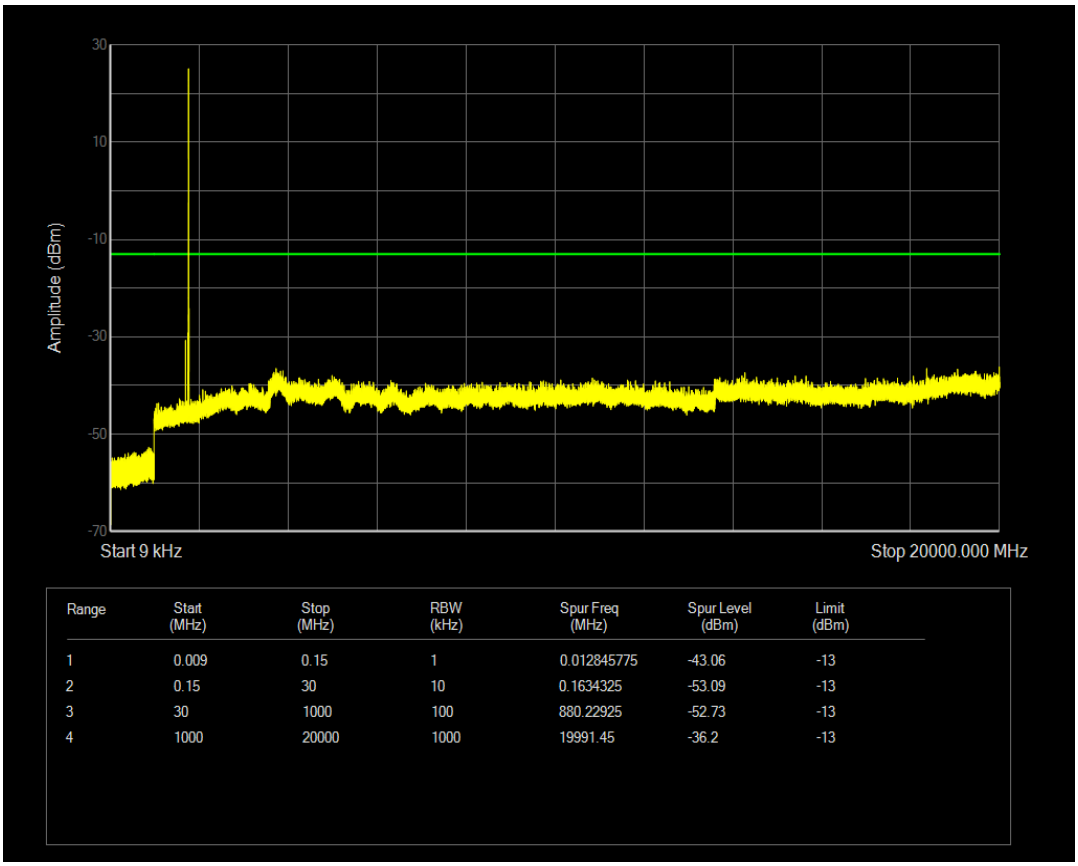
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01057215	-41.66	-13
2	0.15	30	10	0.15074625	-53.28	-13
3	30	1000	100	896.404	-52.02	-13
4	1000	20000	1000	18934.575	-36.48	-13

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



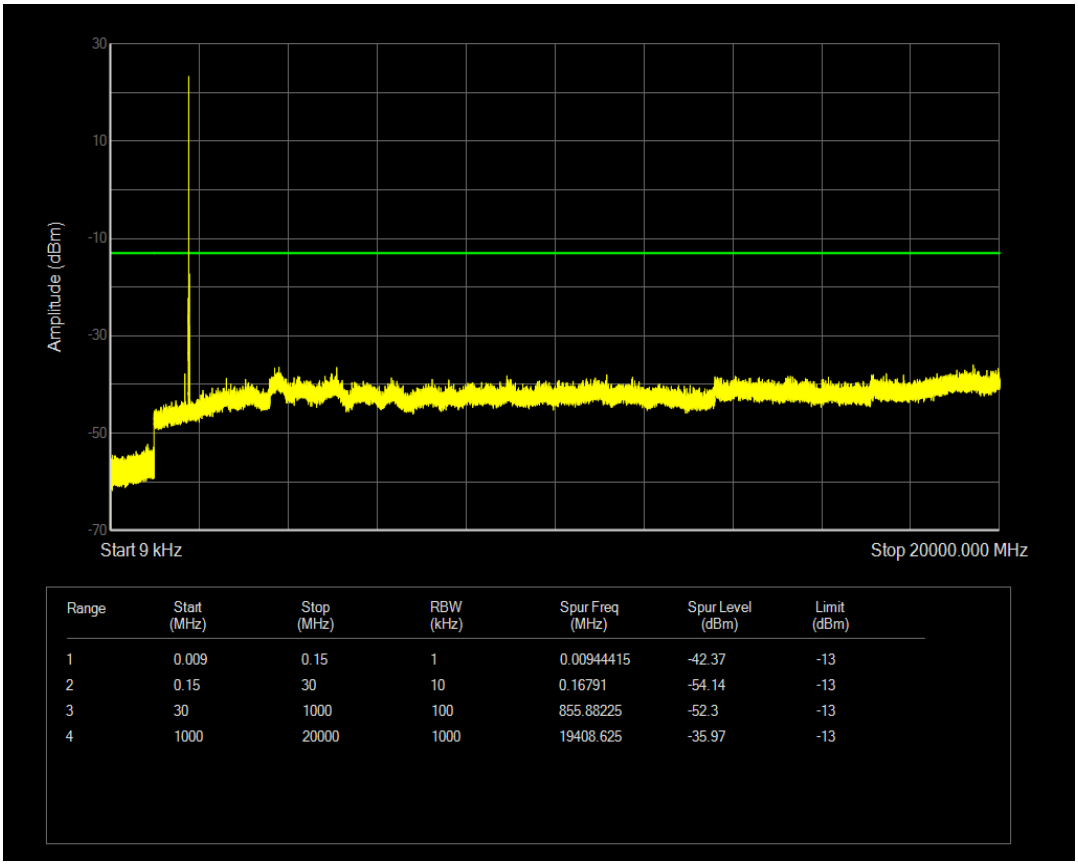
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00978255	-42.25	-13
2	0.15	30	10	0.16268625	-52.89	-13
3	30	1000	100	940.27225	-52.63	-13
4	1000	20000	1000	19336.425	-35.92	-13

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



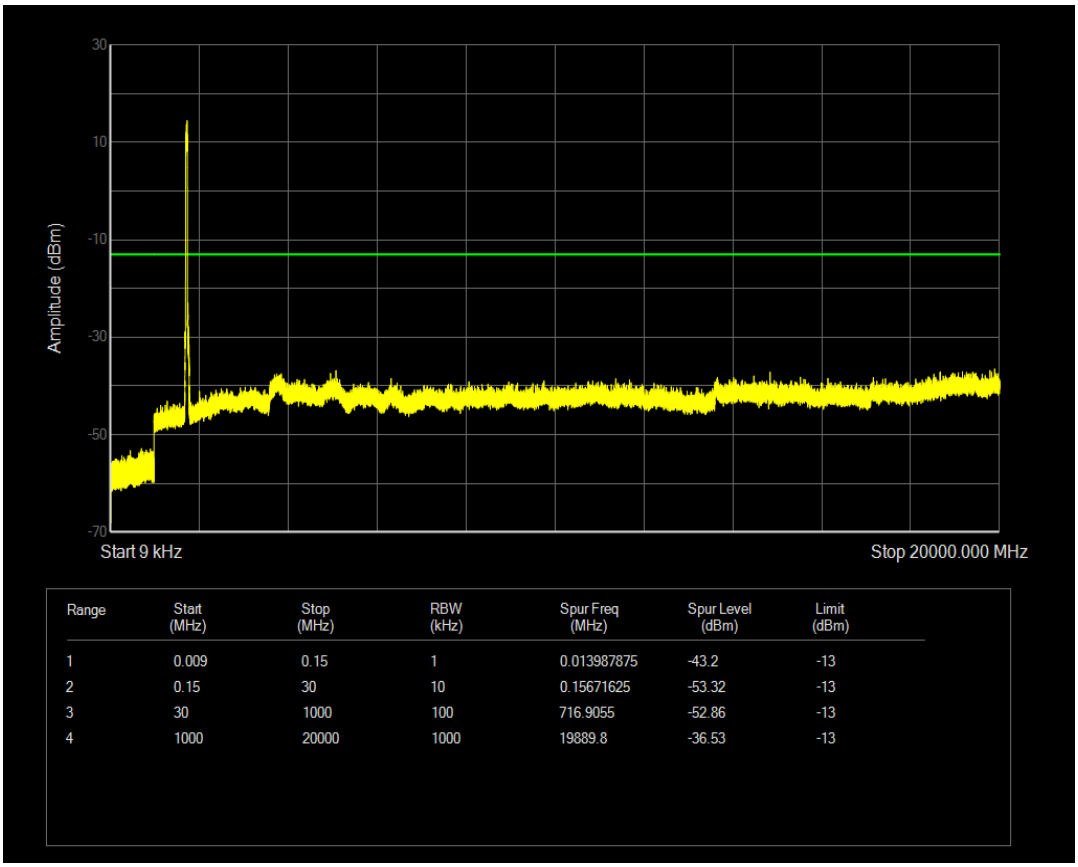
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012845775	-43.06	-13
2	0.15	30	10	0.1634325	-53.09	-13
3	30	1000	100	880.22925	-52.73	-13
4	1000	20000	1000	19991.45	-36.2	-13

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



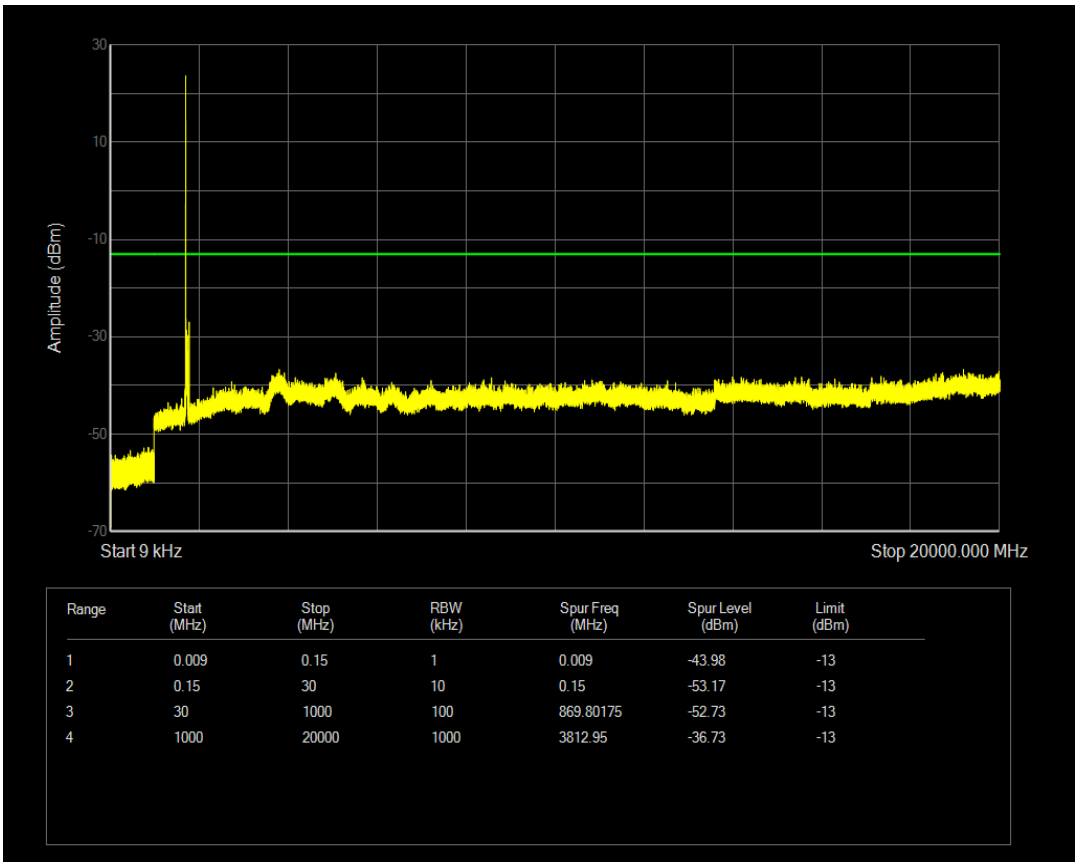
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00944415	-42.37	-13
2	0.15	30	10	0.16791	-54.14	-13
3	30	1000	100	855.88225	-52.3	-13
4	1000	20000	1000	19408.625	-35.97	-13

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



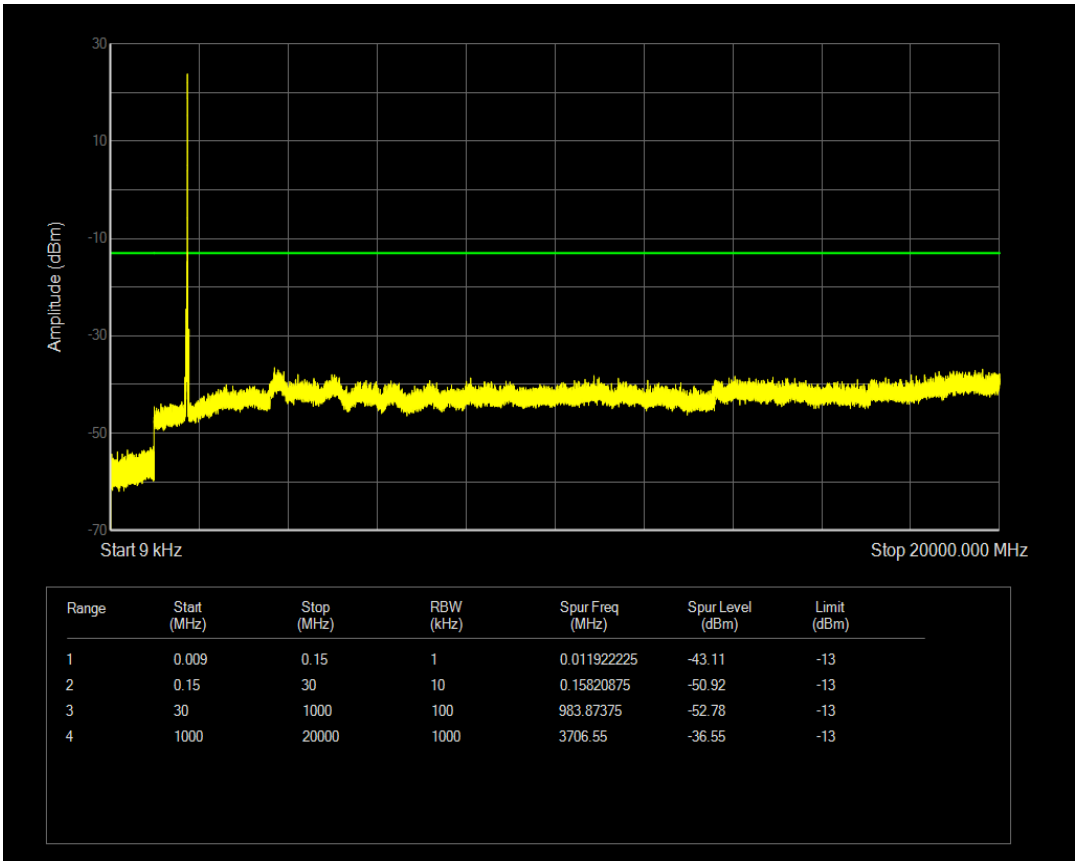
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013987875	-43.2	-13
2	0.15	30	10	0.15671625	-53.32	-13
3	30	1000	100	716.9055	-52.86	-13
4	1000	20000	1000	19889.8	-36.53	-13

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



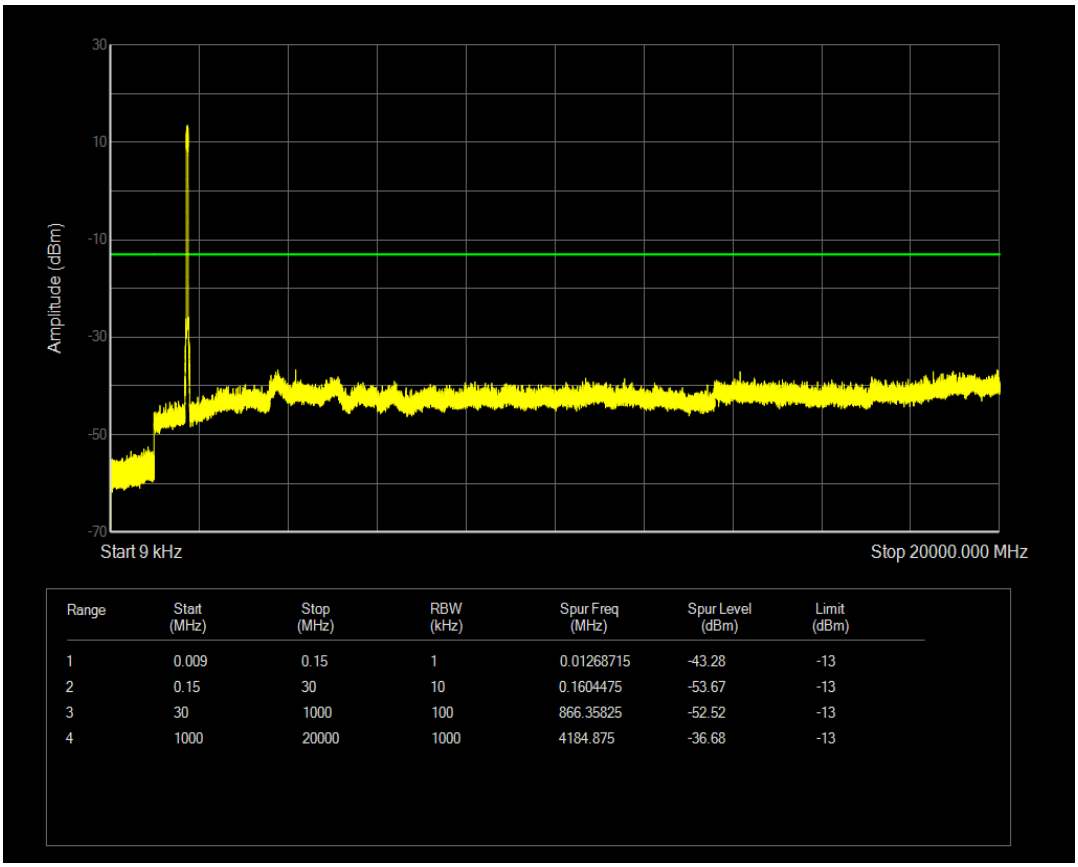
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-43.98	-13
2	0.15	30	10	0.15	-53.17	-13
3	30	1000	100	869.80175	-52.73	-13
4	1000	20000	1000	3812.95	-36.73	-13

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



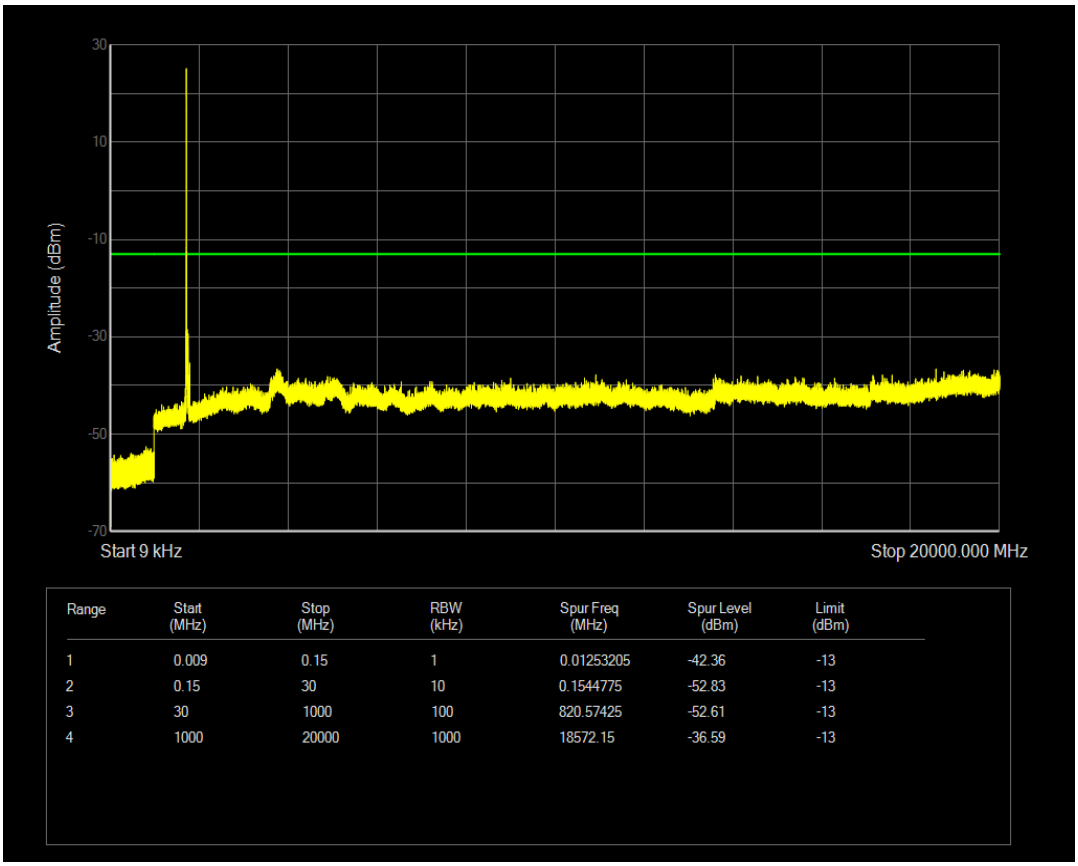
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011922225	-43.11	-13
2	0.15	30	10	0.15820875	-50.92	-13
3	30	1000	100	983.87375	-52.78	-13
4	1000	20000	1000	3706.55	-36.55	-13

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



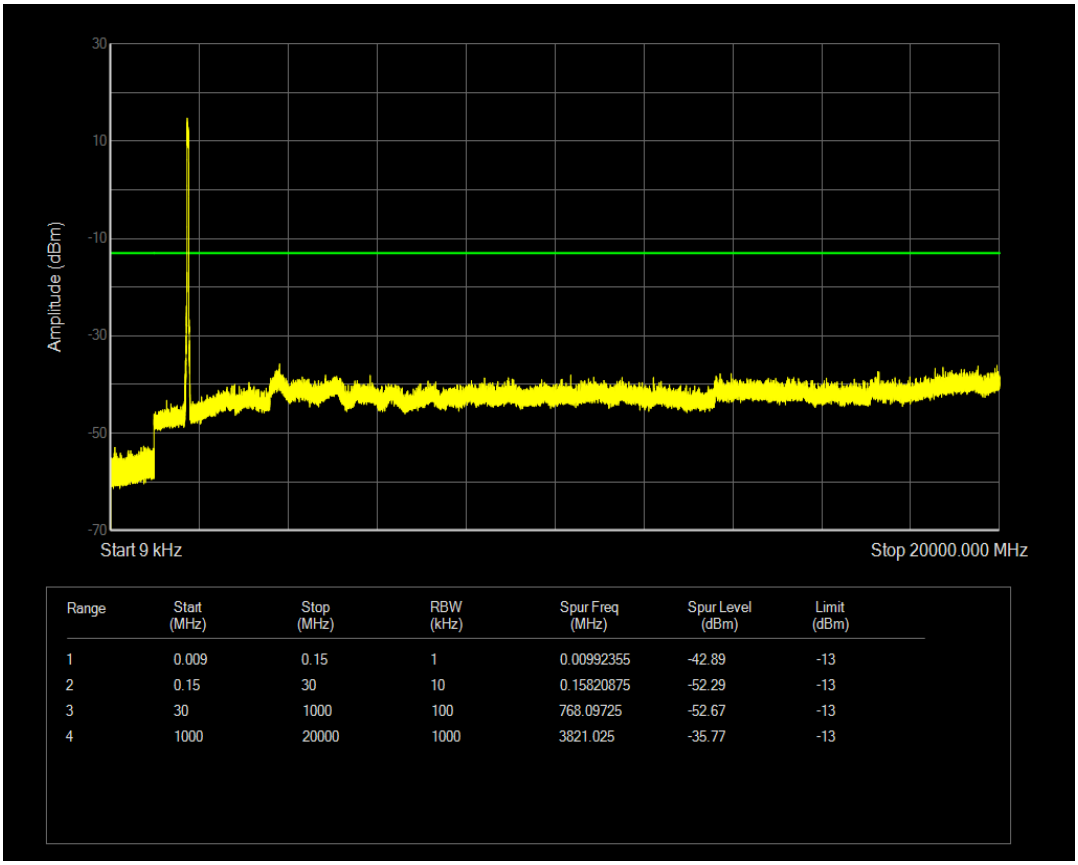
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01268715	-43.28	-13
2	0.15	30	10	0.1604475	-53.67	-13
3	30	1000	100	866.35825	-52.52	-13
4	1000	20000	1000	4184.875	-36.68	-13

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



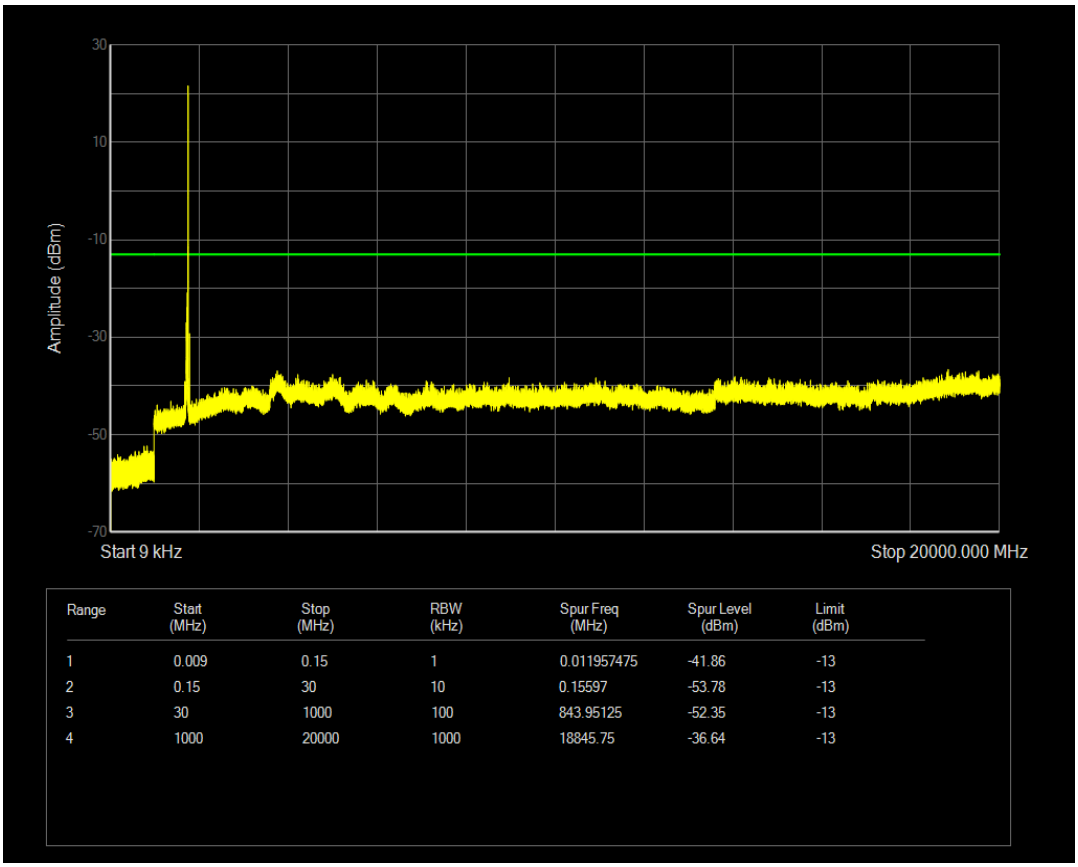
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01253205	-42.36	-13
2	0.15	30	10	0.1544775	-52.83	-13
3	30	1000	100	820.57425	-52.61	-13
4	1000	20000	1000	18572.15	-36.59	-13

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



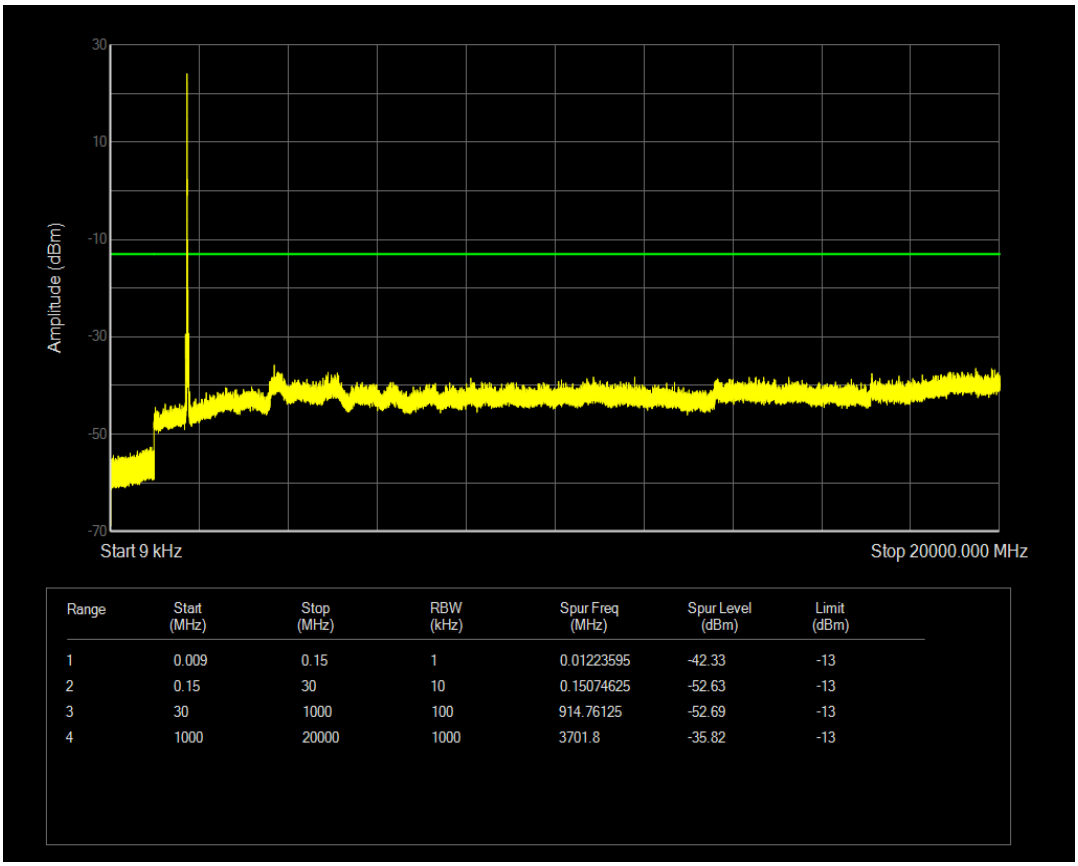
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00992355	-42.89	-13
2	0.15	30	10	0.15820875	-52.29	-13
3	30	1000	100	768.09725	-52.67	-13
4	1000	20000	1000	3821.025	-35.77	-13

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



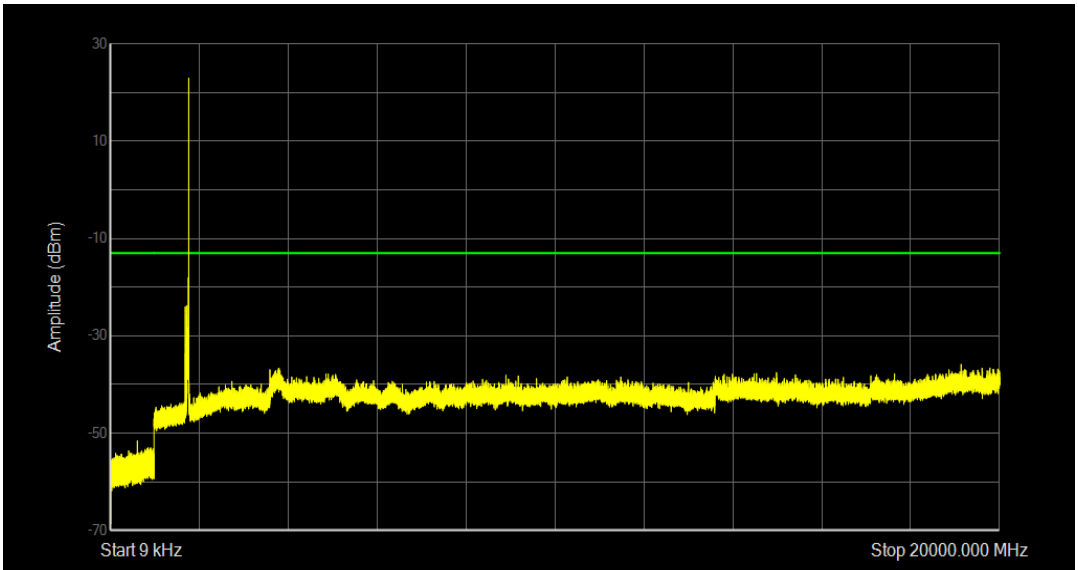
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011957475	-41.86	-13
2	0.15	30	10	0.15597	-53.78	-13
3	30	1000	100	843.95125	-52.35	-13
4	1000	20000	1000	18845.75	-36.64	-13

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	0.01223595	-42.33	-13
2	0.15	30	10	0.15074625	-52.63	-13
3	30	1000	100	914.76125	-52.69	-13
4	1000	20000	1000	3701.8	-35.82	-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	0.0137799	-43.16	-13
2	0.15	30	10	0.15223875	-51.58	-13
3	30	1000	100	625.4345	-51.59	-13
4	1000	20000	1000	19136.925	-35.86	-13