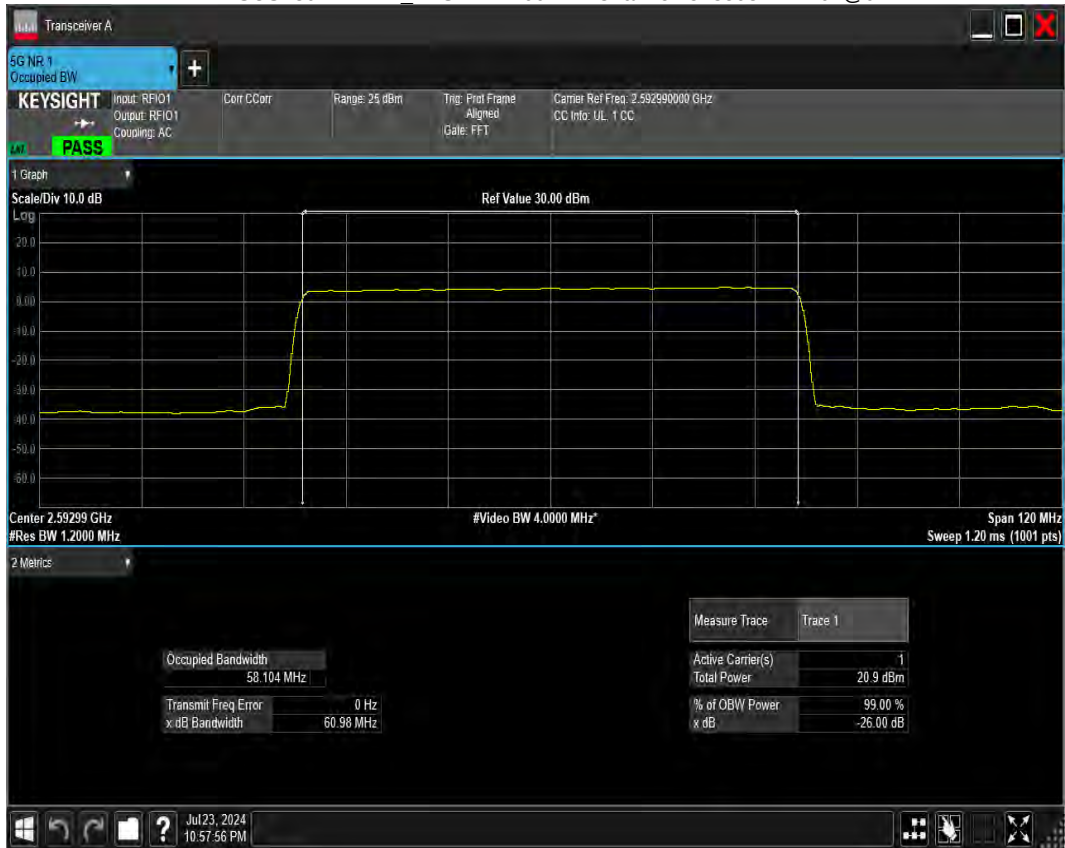


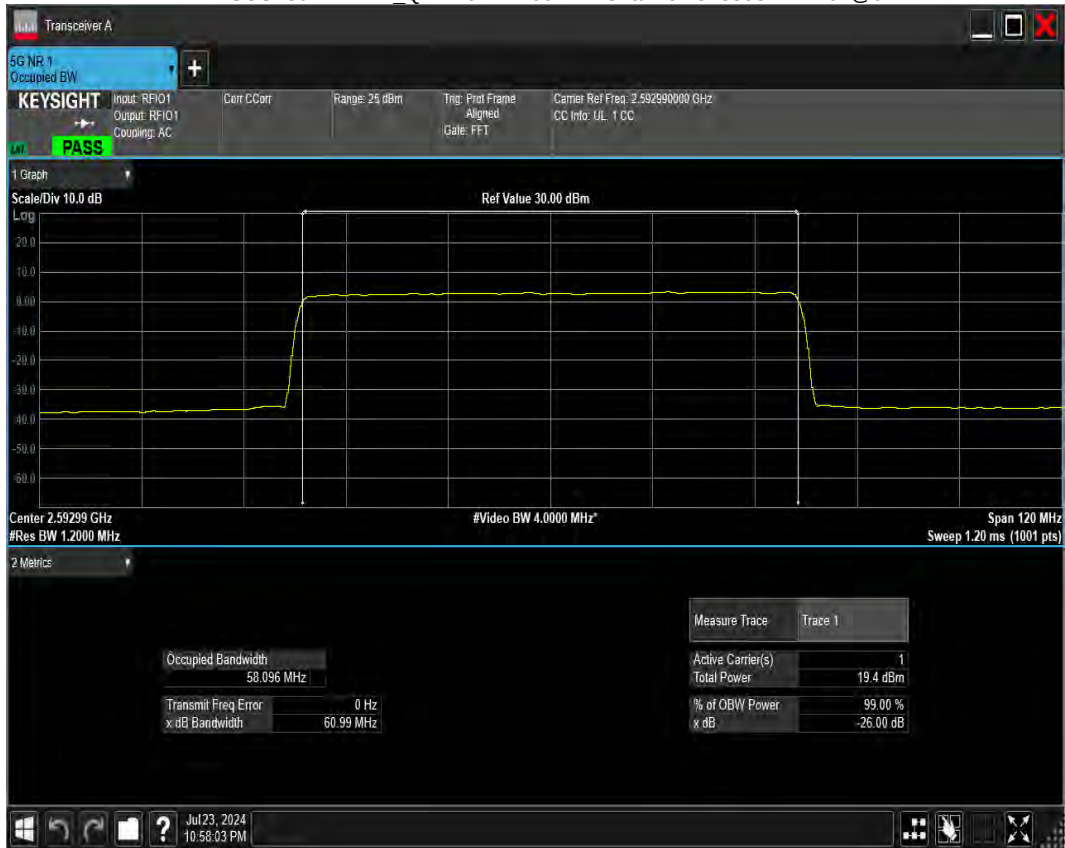
n41 SCS=30kHz DFT BPSK BW=60MHz Channel=518598 RB=162@0



n41 SCS=30kHz DFT_QPSK BW=60MHz Channel=518598 RB=162@0



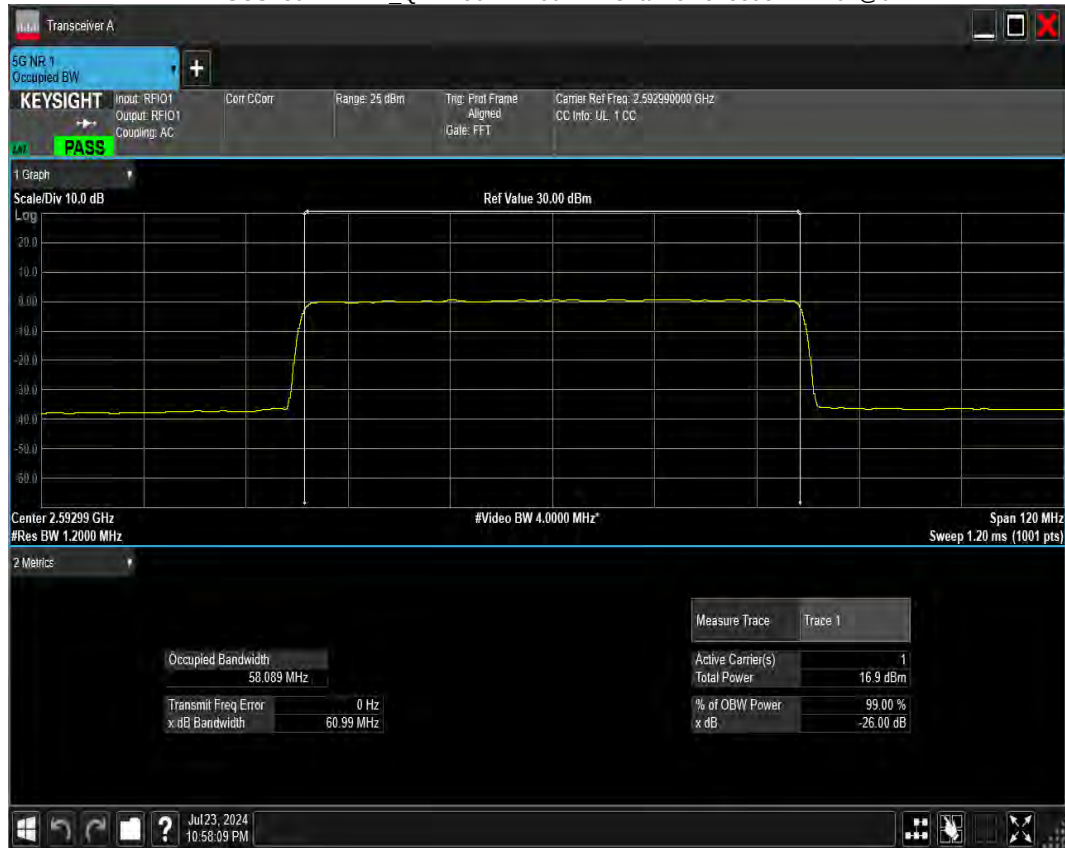
n41 SCS=30kHz DFT_QAM16 BW=60MHz Channel=518598 RB=162@0



n41 SCS=30kHz DFT_QAM64 BW=60MHz Channel=518598 RB=162@0



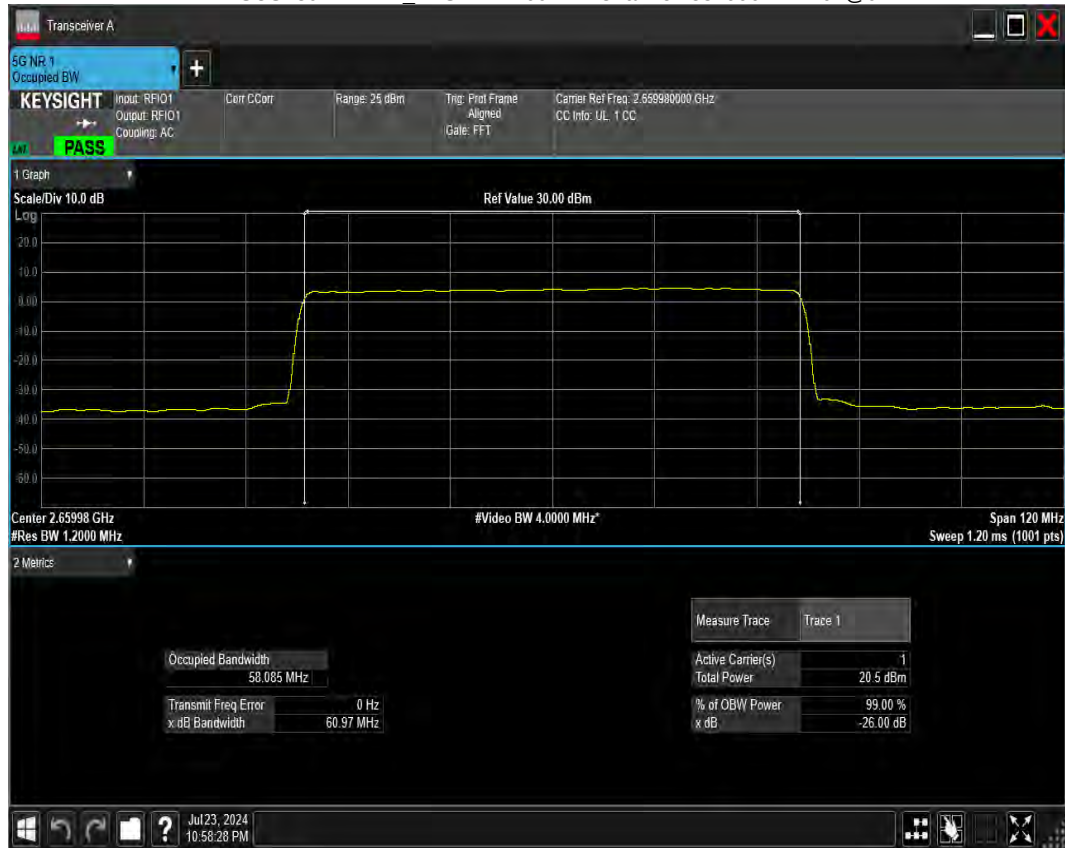
n41 SCS=30kHz DFT_QAM256 BW=60MHz Channel=518598 RB=162@0



n41 SCS=30kHz CP_QPSK BW=60MHz Channel=518598 RB=162@0



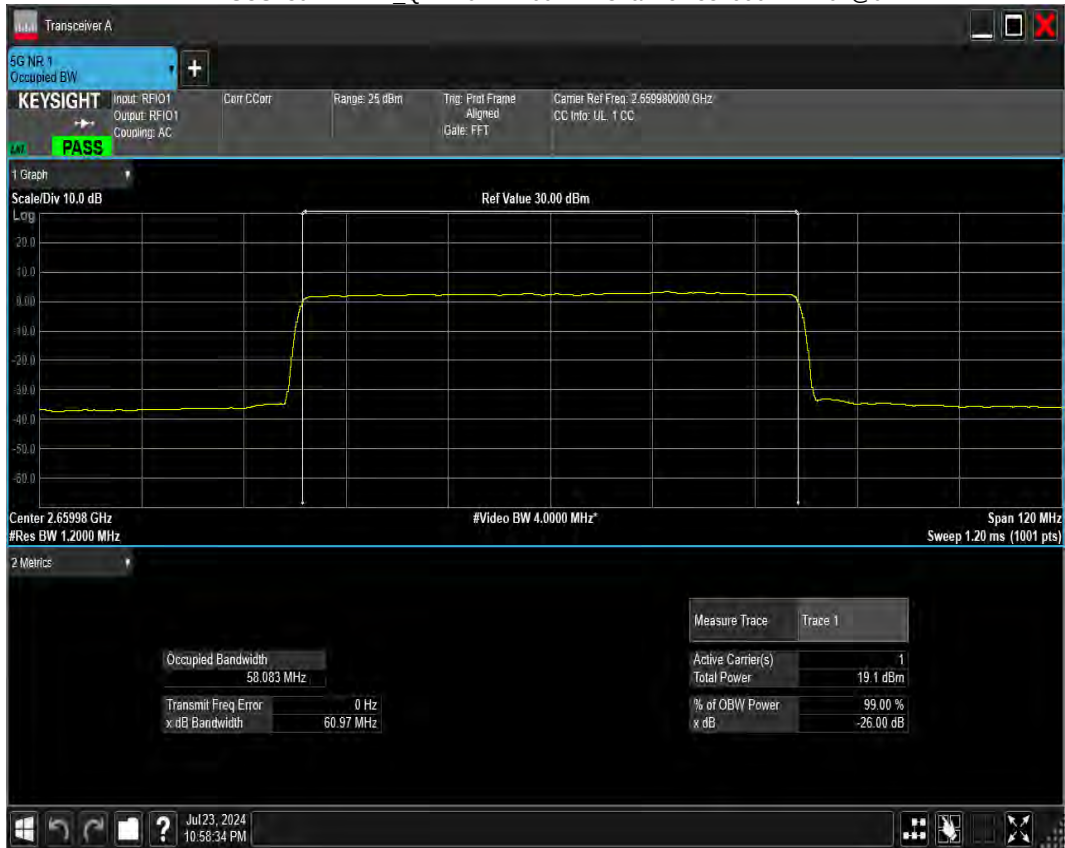
n41 SCS=30kHz DFT BPSK BW=60MHz Channel=531996 RB=162@0



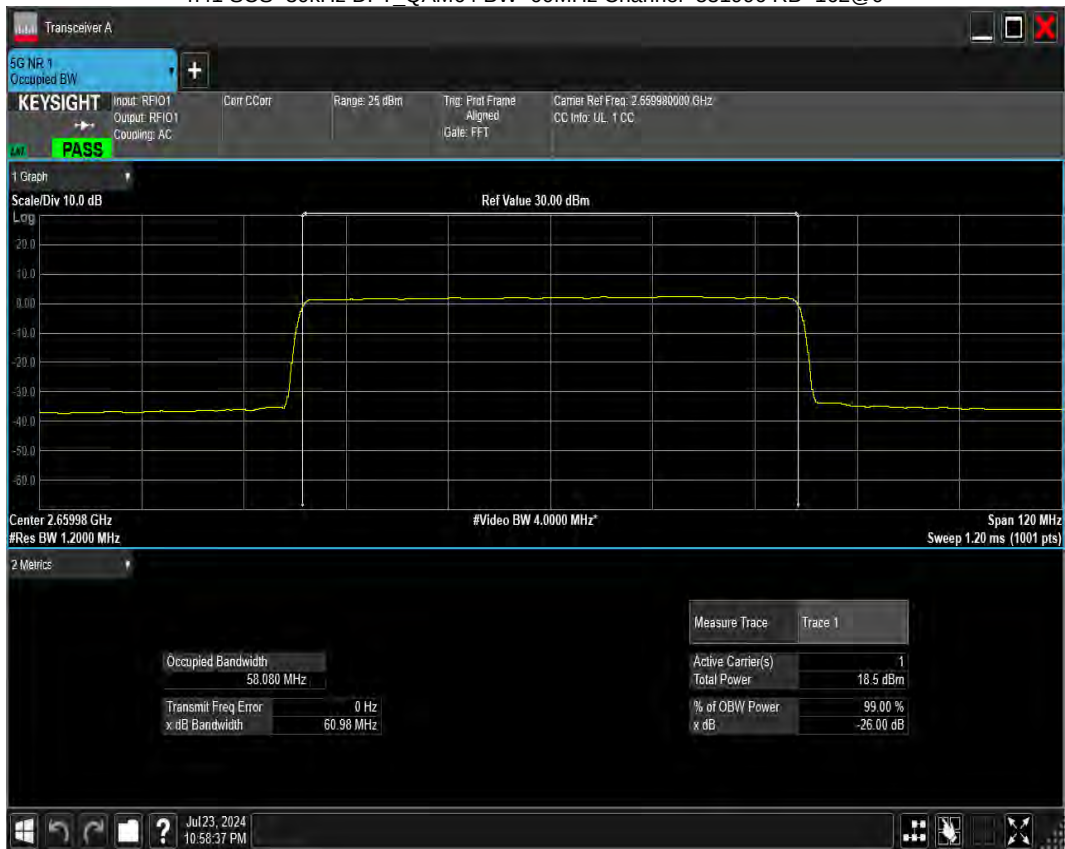
n41 SCS=30kHz DFT_QPSK BW=60MHz Channel=531996 RB=162@0



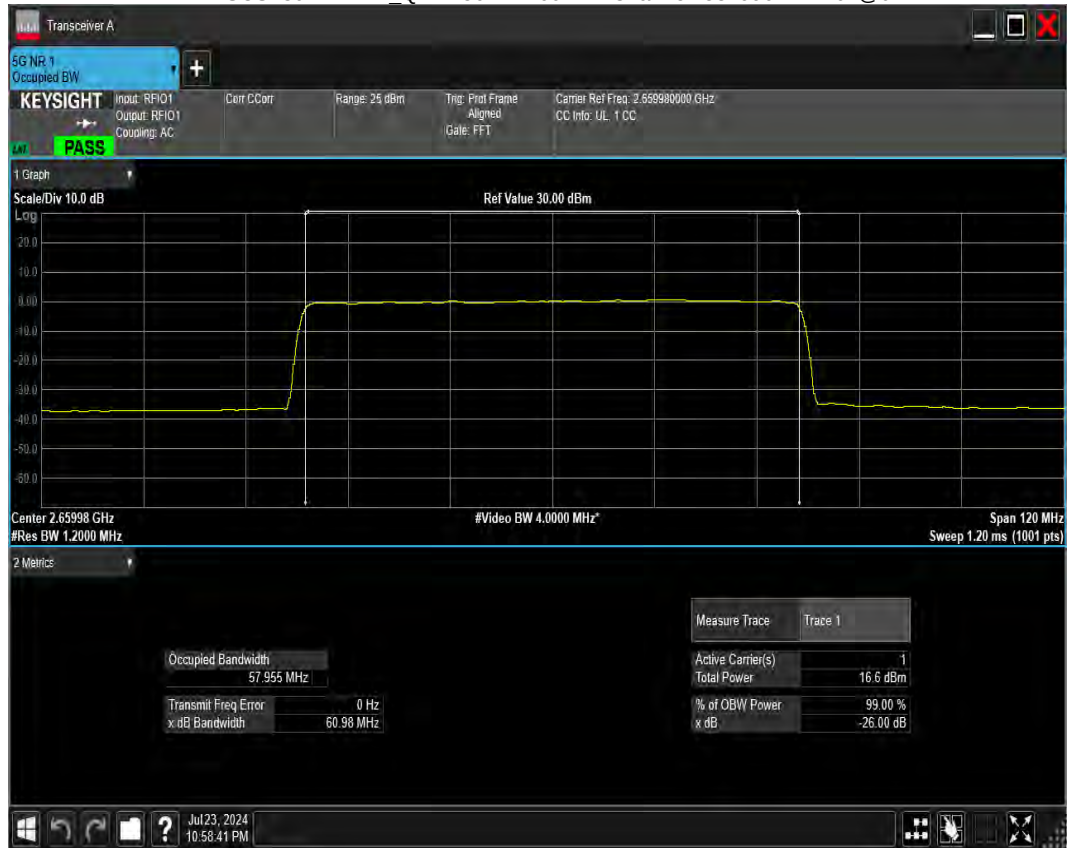
n41 SCS=30kHz DFT_QAM16 BW=60MHz Channel=531996 RB=162@0



n41 SCS=30kHz DFT_QAM64 BW=60MHz Channel=531996 RB=162@0



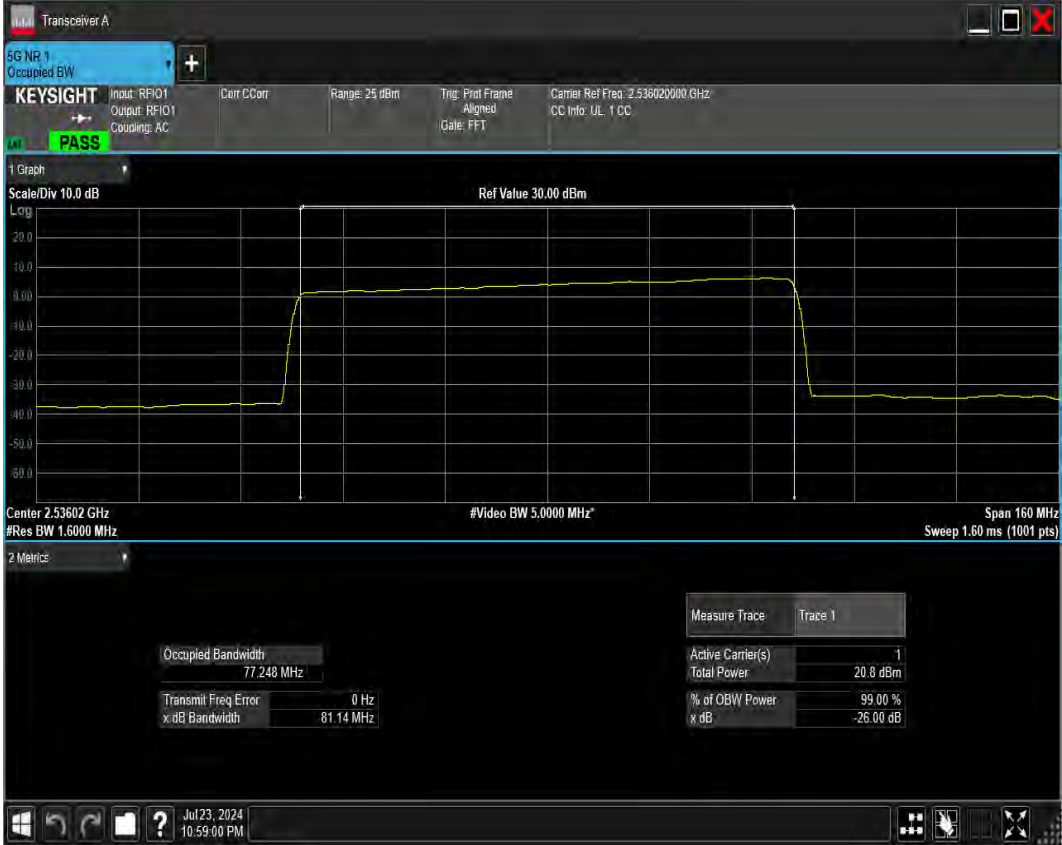
n41 SCS=30kHz DFT_QAM256 BW=60MHz Channel=531996 RB=162@0



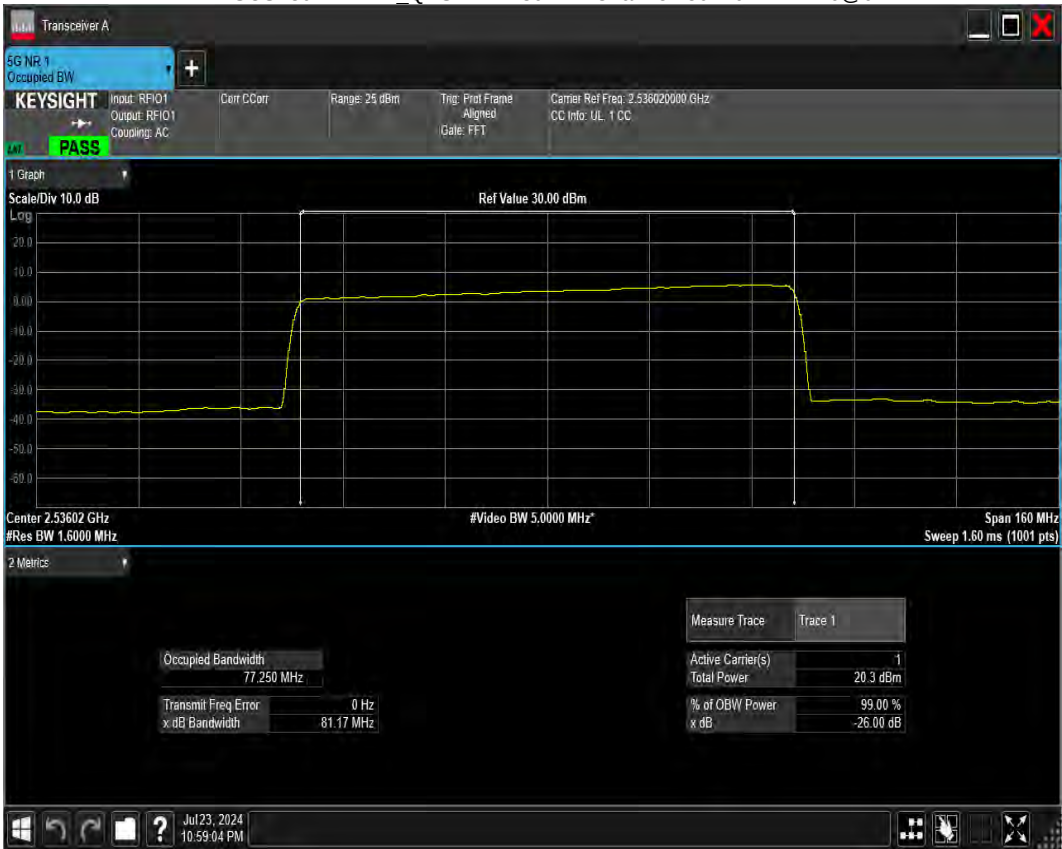
n41 SCS=30kHz CP_QPSK BW=60MHz Channel=531996 RB=162@0



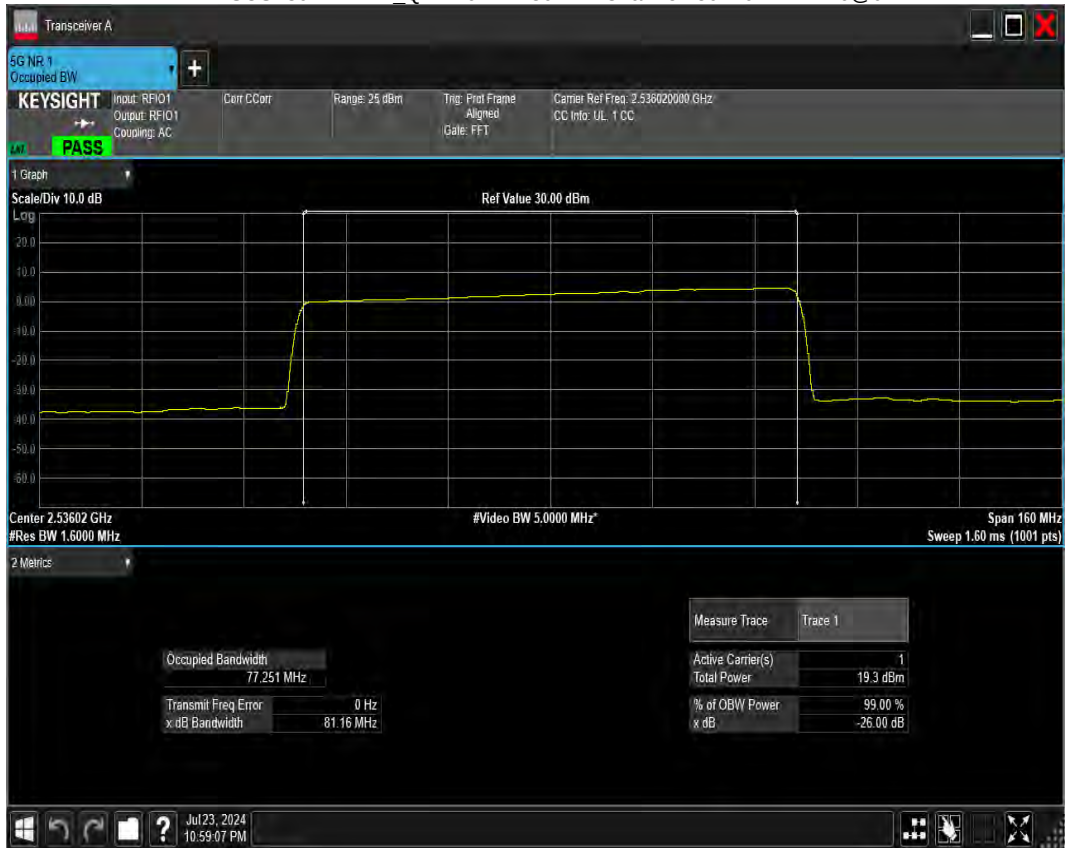
n41 SCS=30kHz DFT BPSK BW=80MHz Channel=507204 RB=216@0



n41 SCS=30kHz DFT_QPSK BW=80MHz Channel=507204 RB=216@0



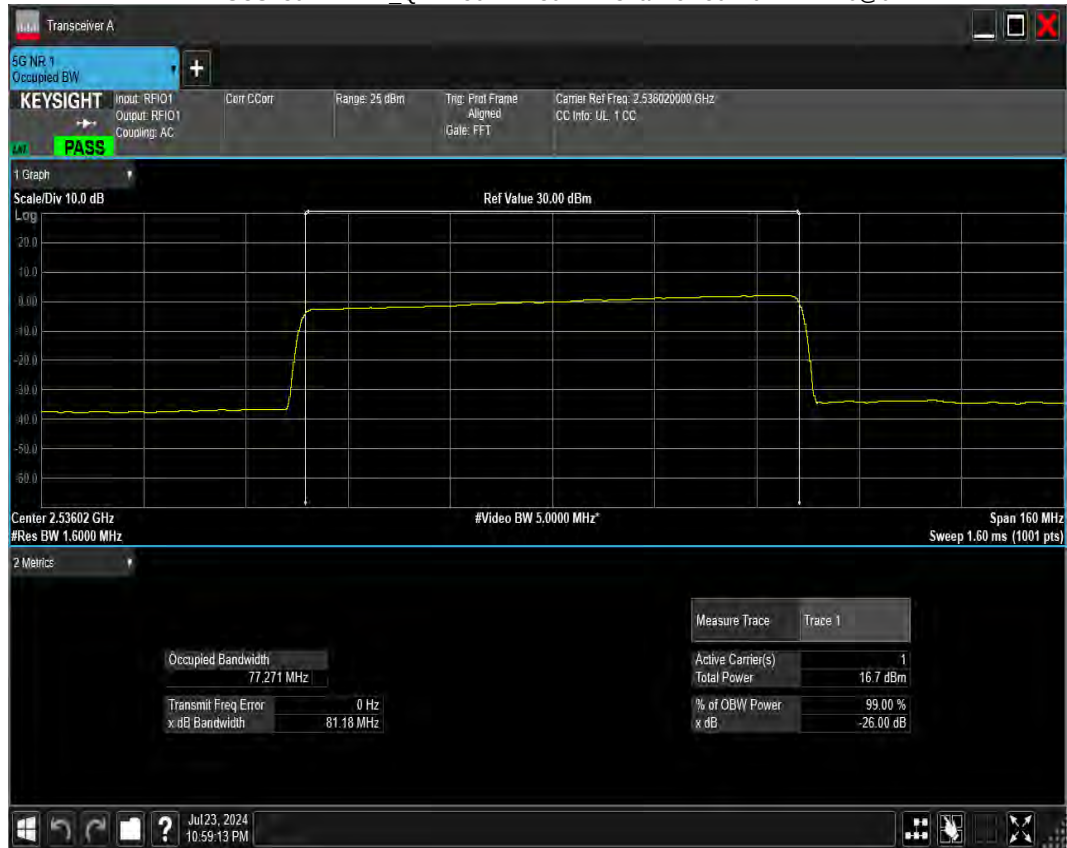
n41 SCS=30kHz DFT_QAM16 BW=80MHz Channel=507204 RB=216@0



n41 SCS=30kHz DFT_QAM64 BW=80MHz Channel=507204 RB=216@0



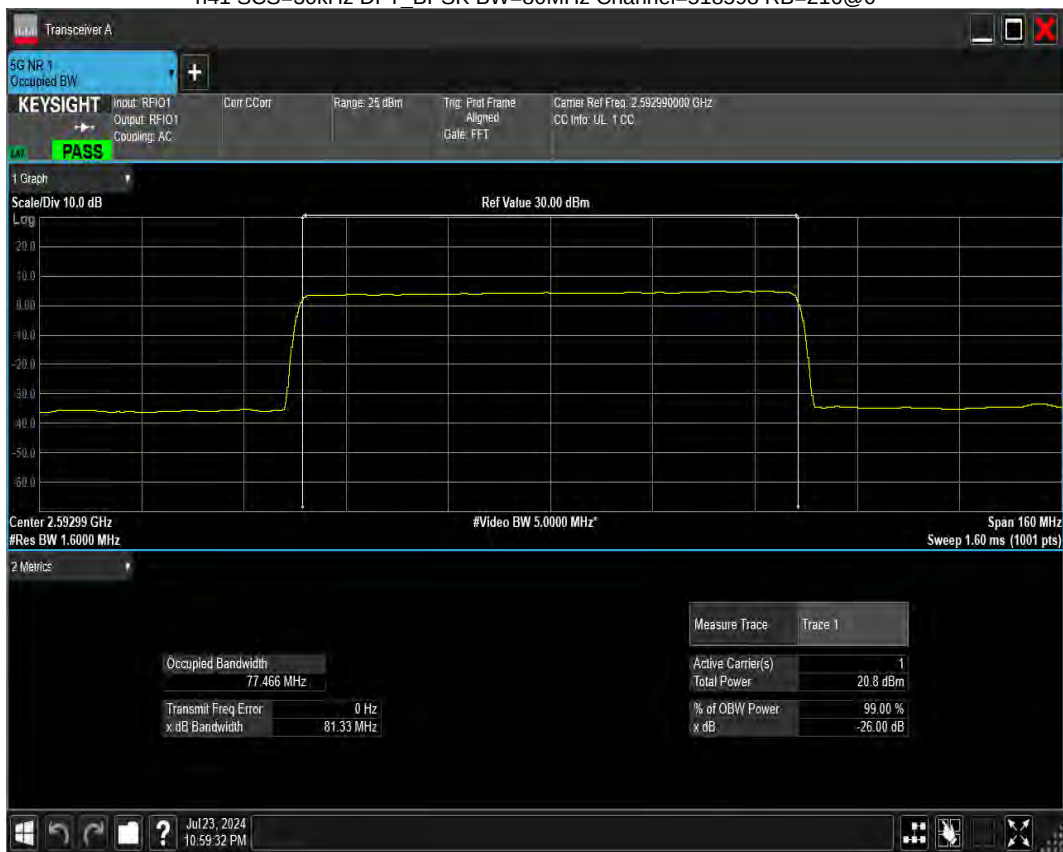
n41 SCS=30kHz DFT_QAM256 BW=80MHz Channel=507204 RB=216@0



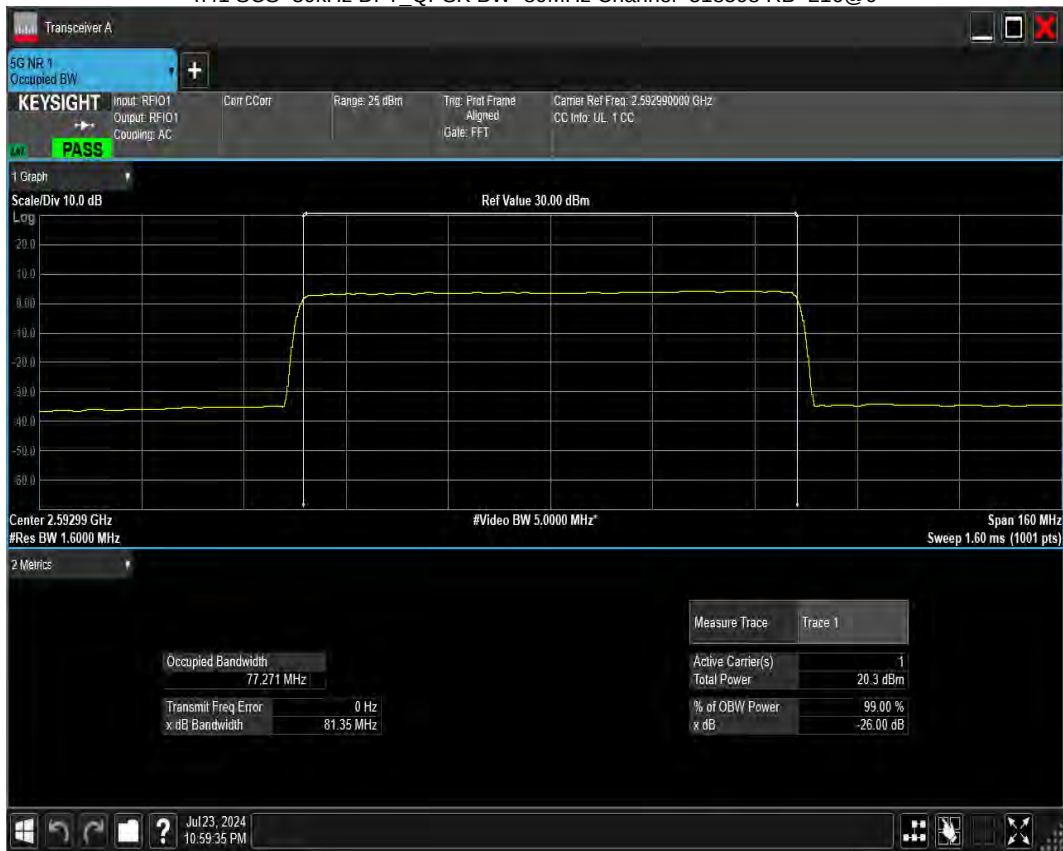
n41 SCS=30kHz CP_QPSK BW=80MHz Channel=507204 RB=217@0



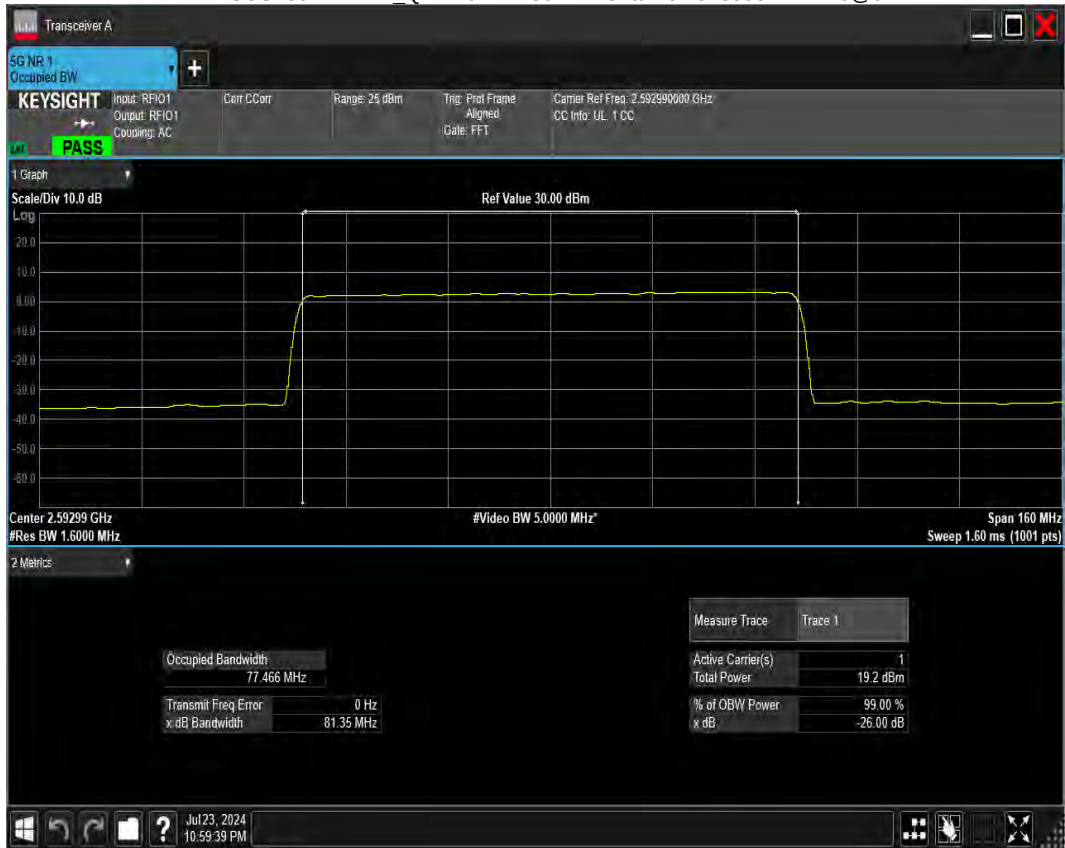
n41 SCS=30kHz DFT BPSK BW=80MHz Channel=518598 RB=216@0



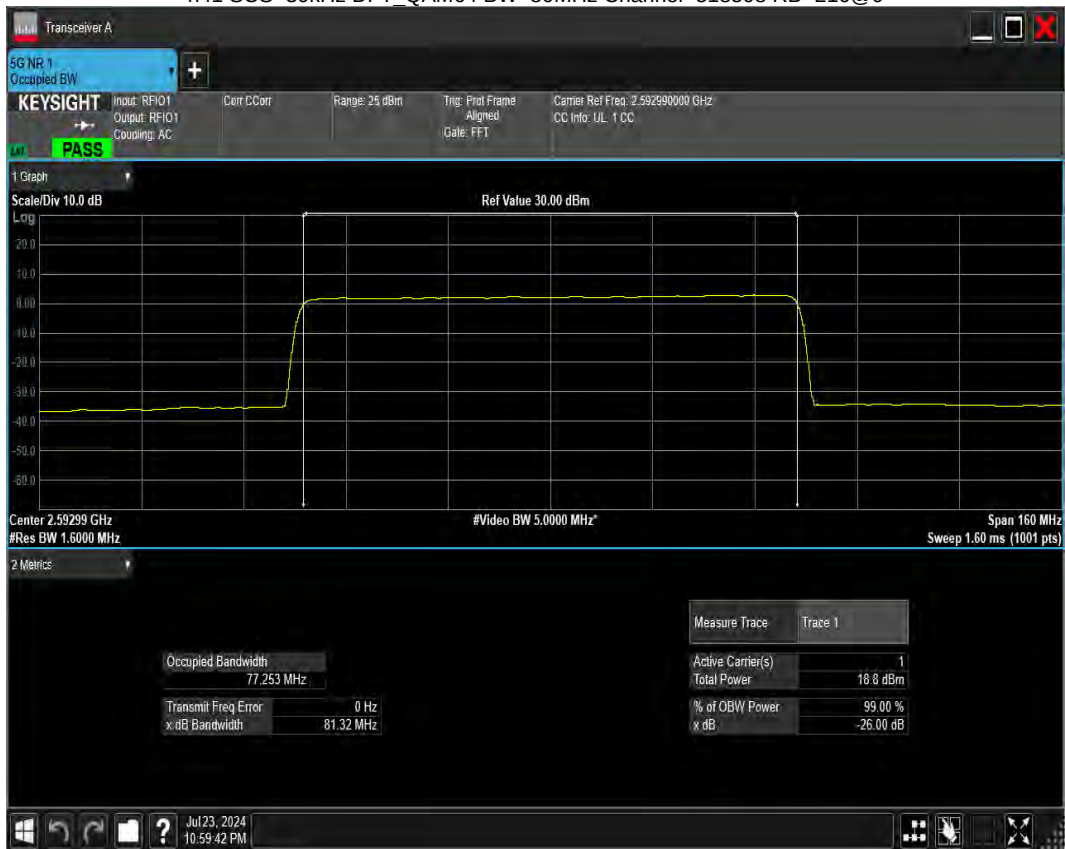
n41 SCS=30kHz DFT_QPSK BW=80MHz Channel=518598 RB=216@0



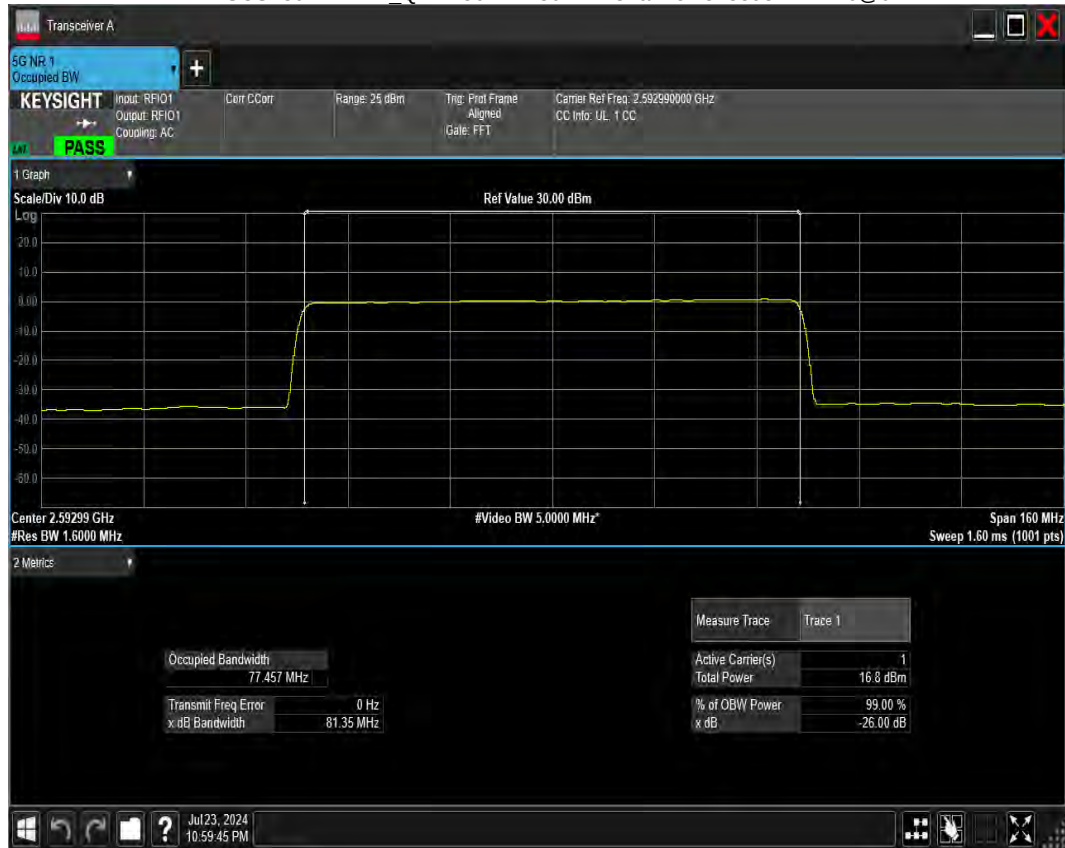
n41 SCS=30kHz DFT_QAM16 BW=80MHz Channel=518598 RB=216@0



n41 SCS=30kHz DFT_QAM64 BW=80MHz Channel=518598 RB=216@0



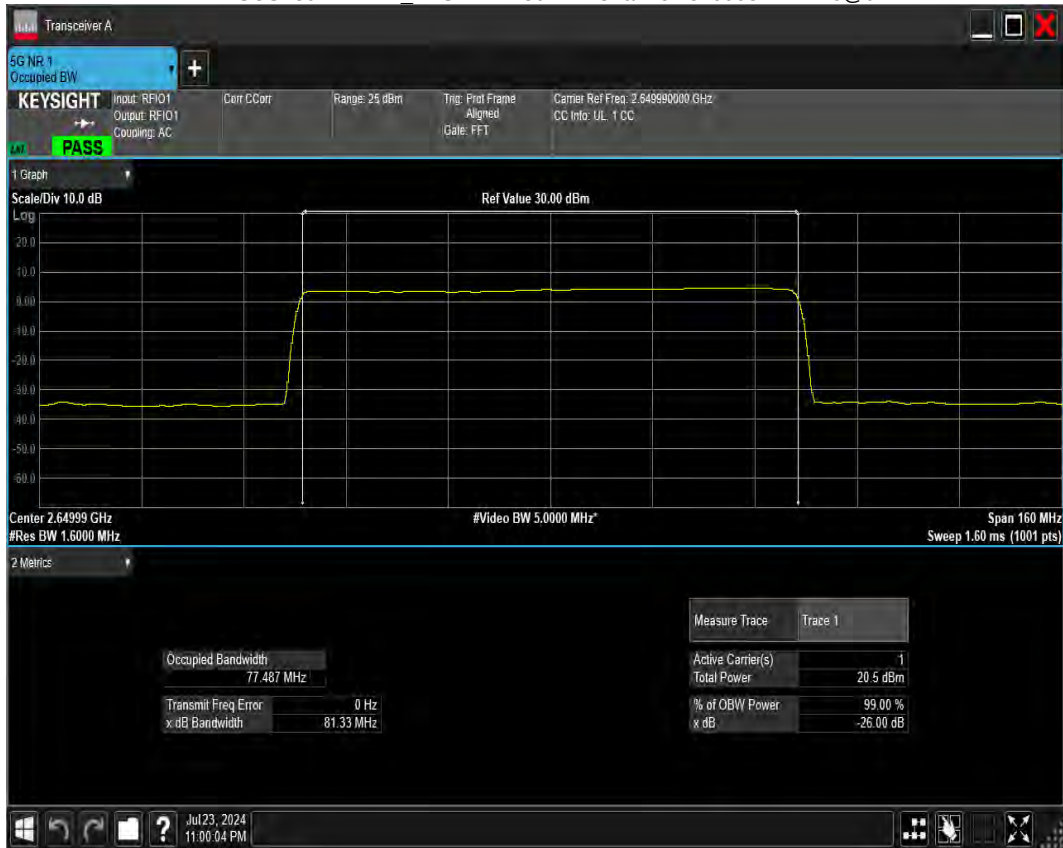
n41 SCS=30kHz DFT_QAM256 BW=80MHz Channel=518598 RB=216@0



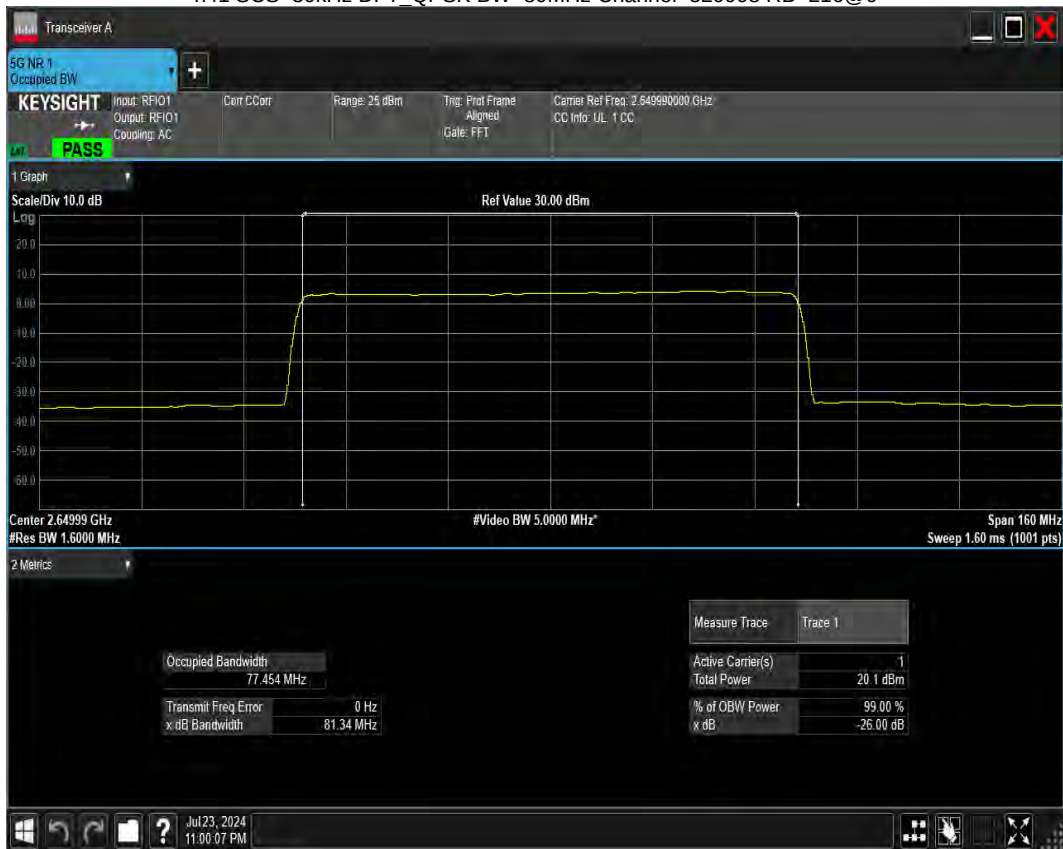
n41 SCS=30kHz CP_QPSK BW=80MHz Channel=518598 RB=217@0



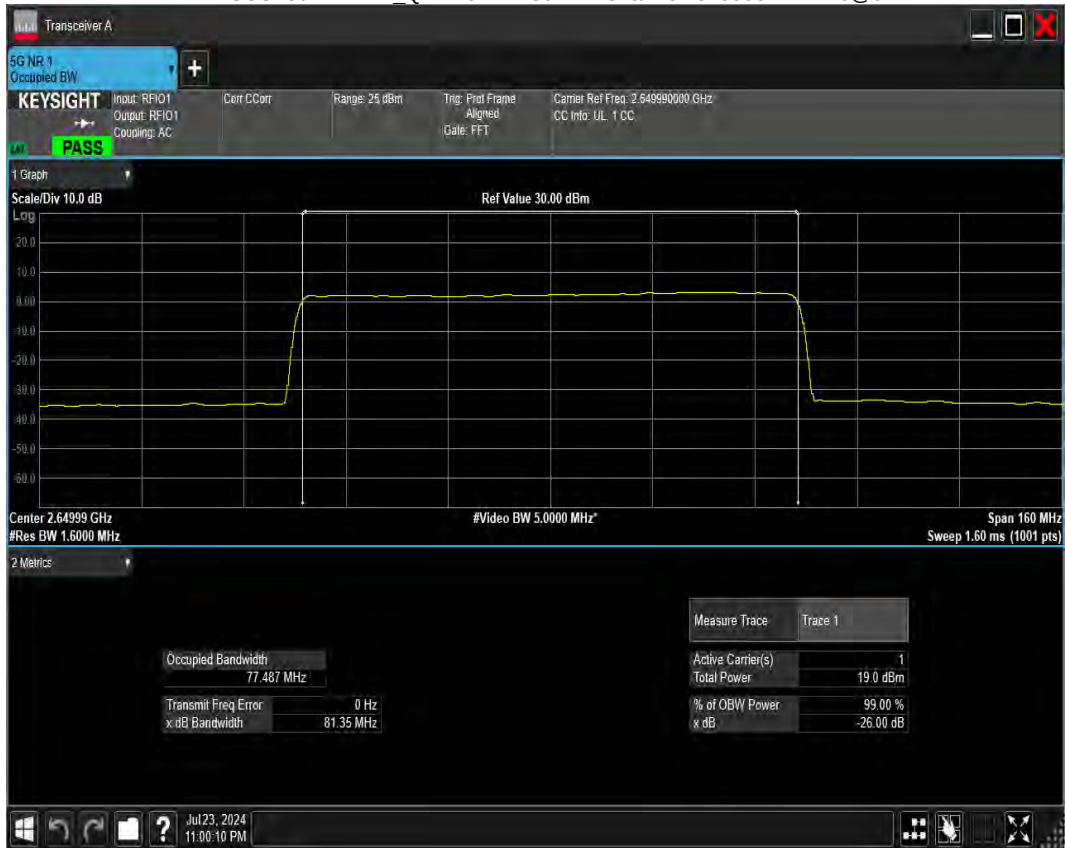
n41 SCS=30kHz DFT BPSK BW=80MHz Channel=529998 RB=216@0



n41 SCS=30kHz DFT_QPSK BW=80MHz Channel=529998 RB=216@0



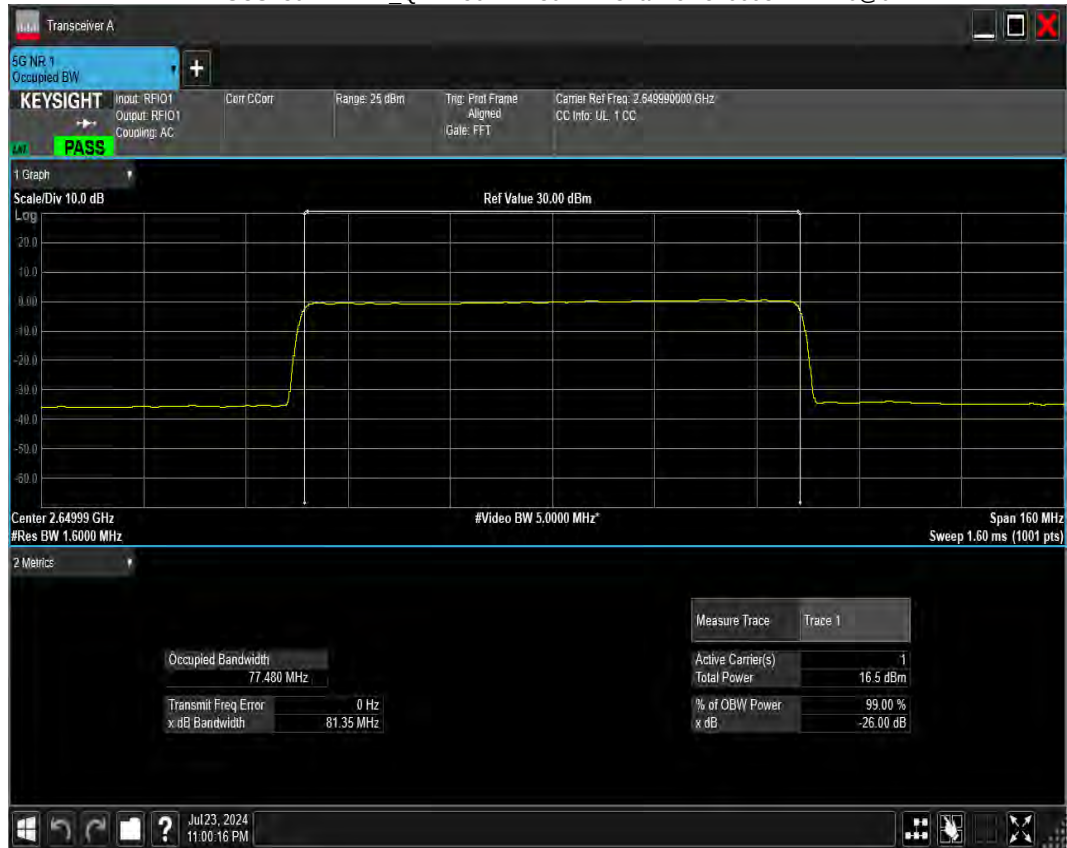
n41 SCS=30kHz DFT_QAM16 BW=80MHz Channel=529998 RB=216@0



n41 SCS=30kHz DFT_QAM64 BW=80MHz Channel=529998 RB=216@0



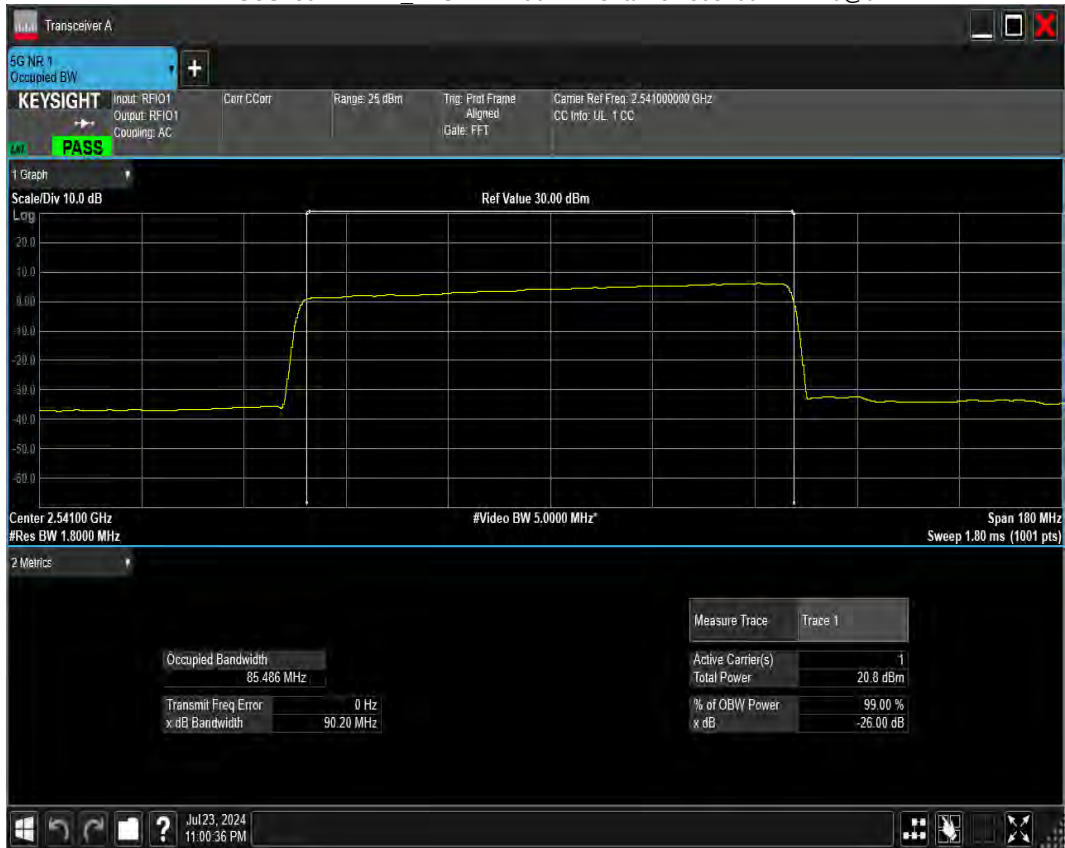
n41 SCS=30kHz DFT_QAM256 BW=80MHz Channel=529998 RB=216@0



n41 SCS=30kHz CP_QPSK BW=80MHz Channel=529998 RB=217@0



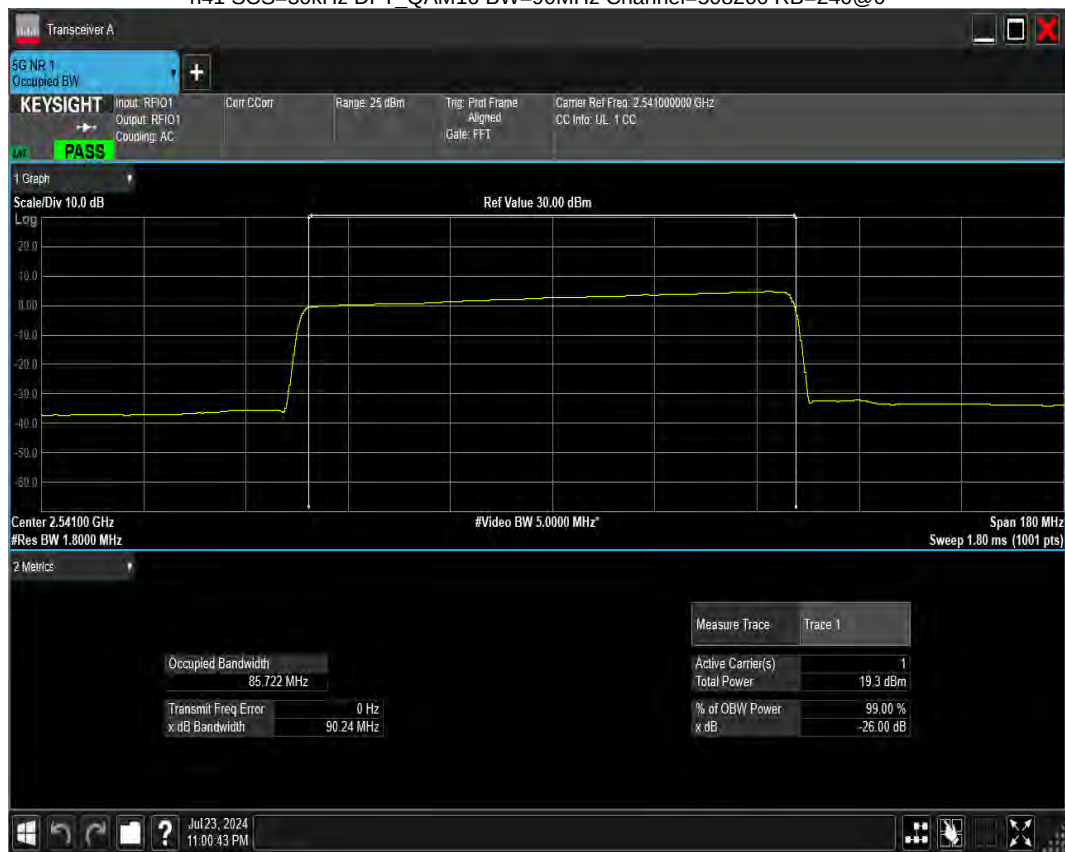
n41 SCS=30kHz DFT BPSK BW=90MHz Channel=508200 RB=240@0



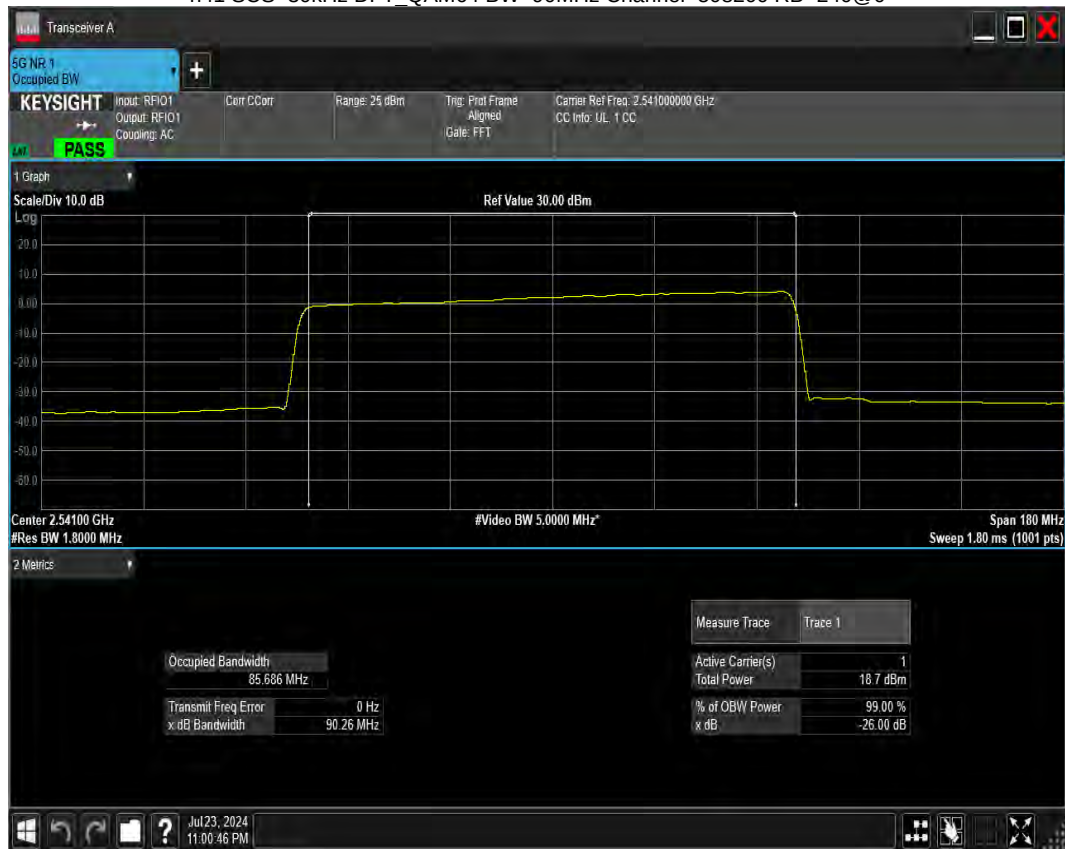
n41 SCS=30kHz DFT_QPSK BW=90MHz Channel=508200 RB=240@0



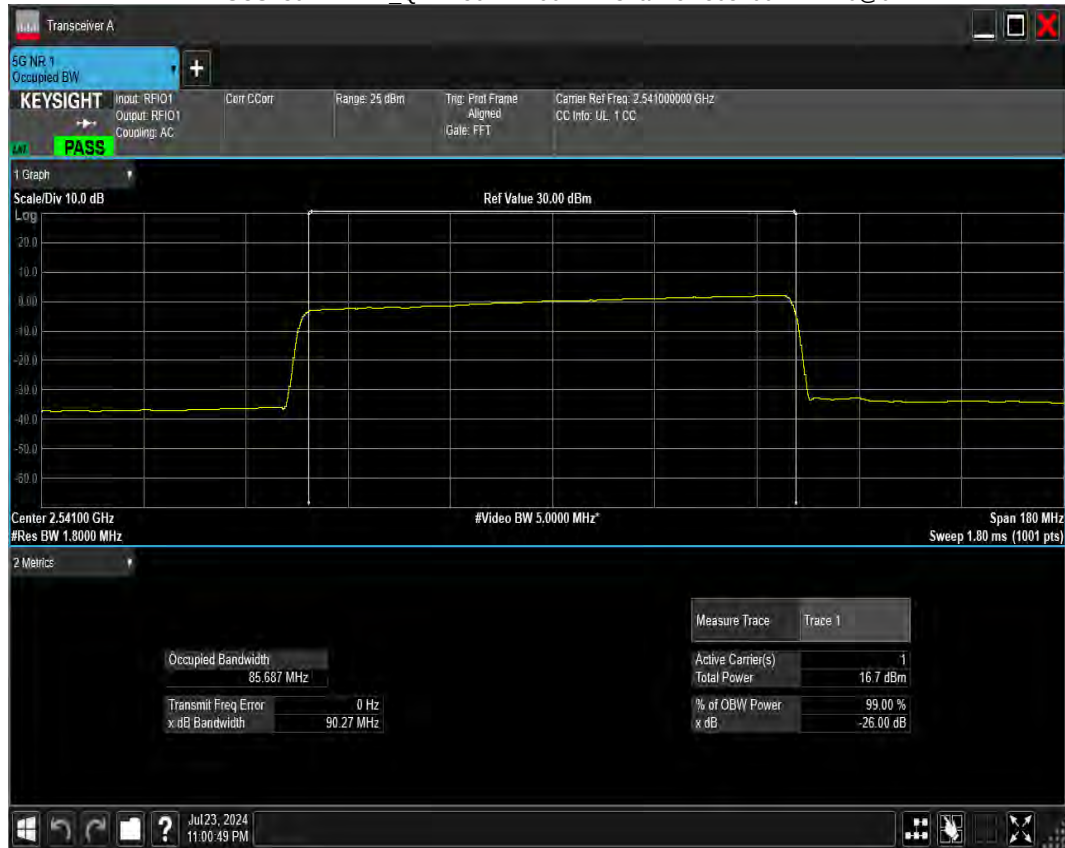
n41 SCS=30kHz DFT_QAM16 BW=90MHz Channel=508200 RB=240@0



n41 SCS=30kHz DFT_QAM64 BW=90MHz Channel=508200 RB=240@0



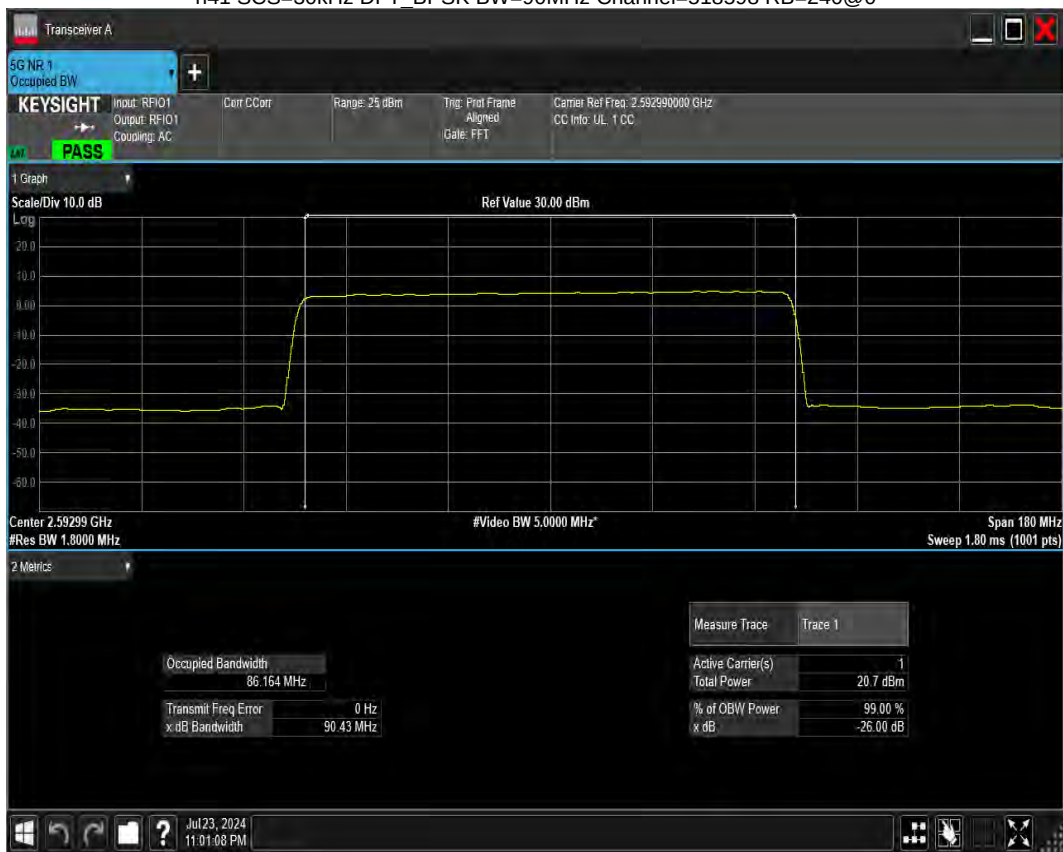
n41 SCS=30kHz DFT_QAM256 BW=90MHz Channel=508200 RB=240@0



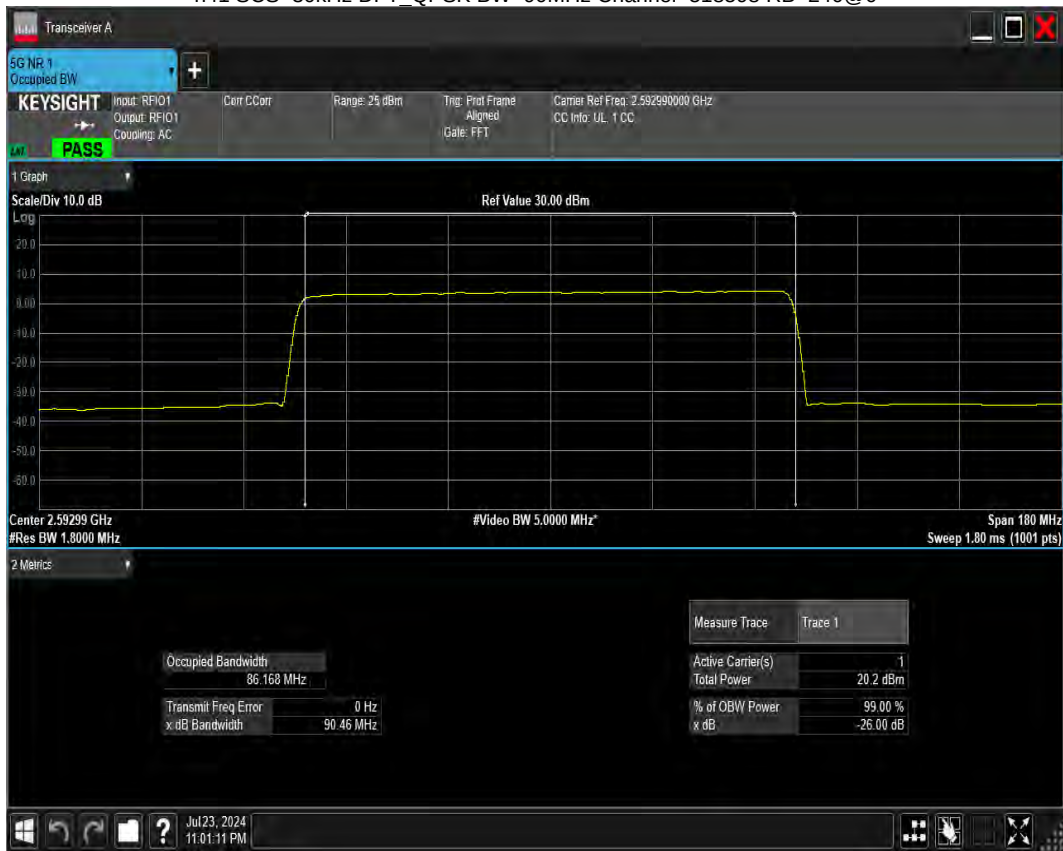
n41 SCS=30kHz CP_QPSK BW=90MHz Channel=508200 RB=245@0



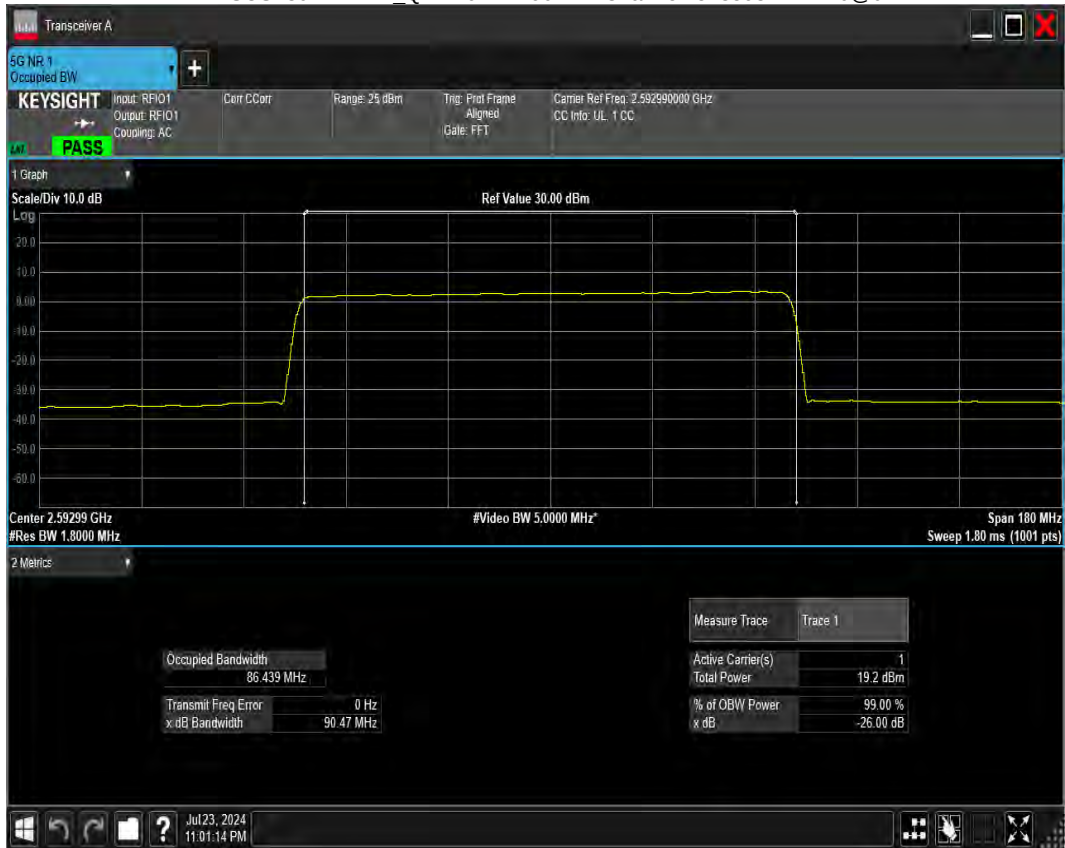
n41 SCS=30kHz DFT BPSK BW=90MHz Channel=518598 RB=240@0



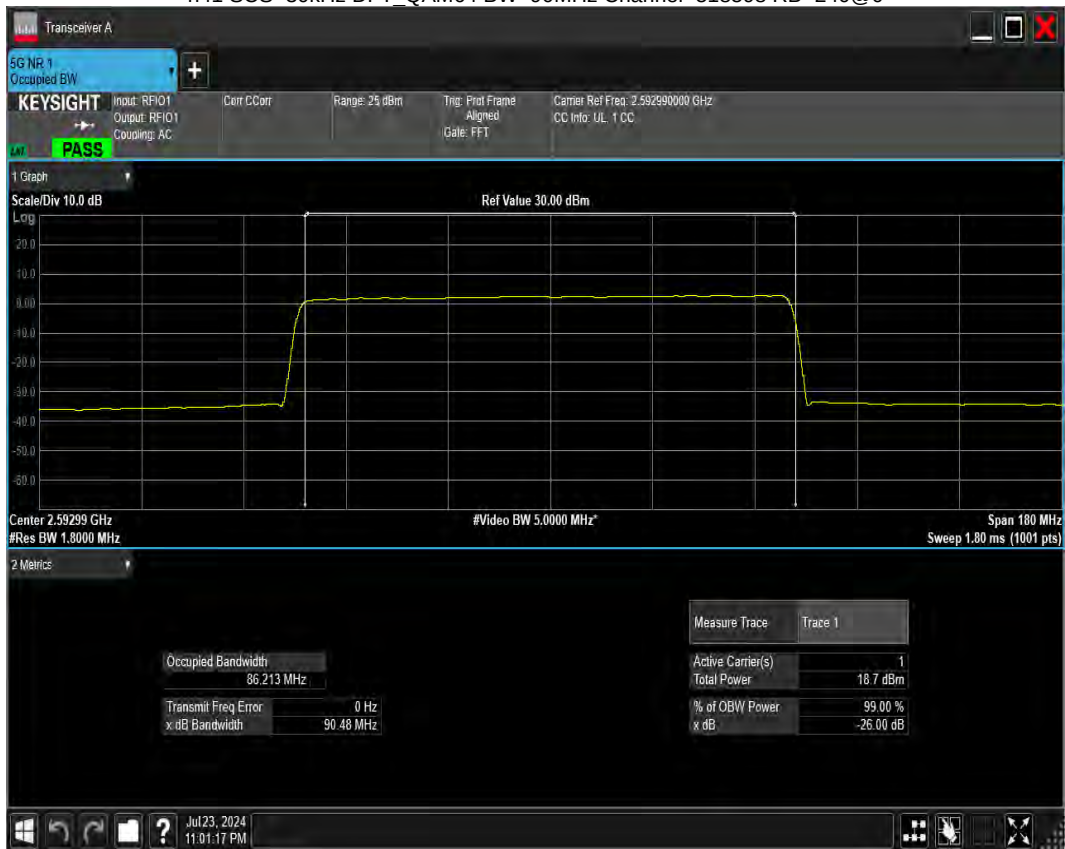
n41 SCS=30kHz DFT_QPSK BW=90MHz Channel=518598 RB=240@0



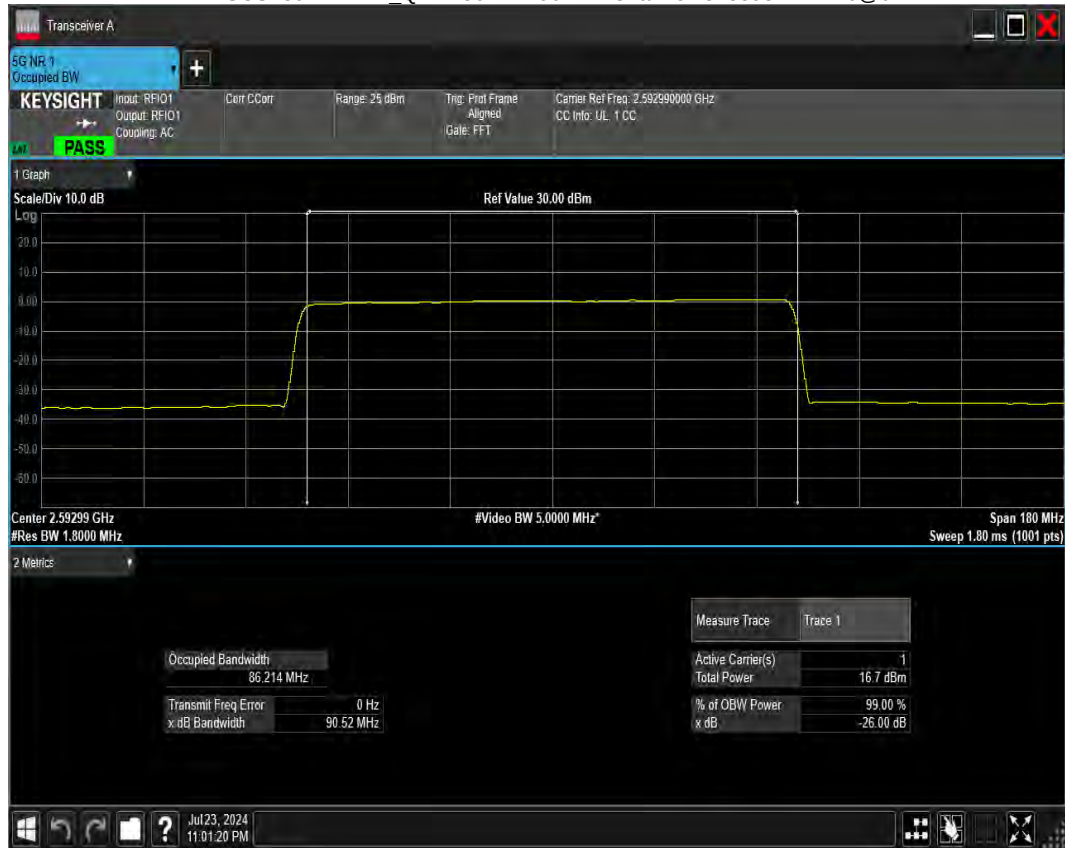
n41 SCS=30kHz DFT_QAM16 BW=90MHz Channel=518598 RB=240@0



n41 SCS=30kHz DFT_QAM64 BW=90MHz Channel=518598 RB=240@0



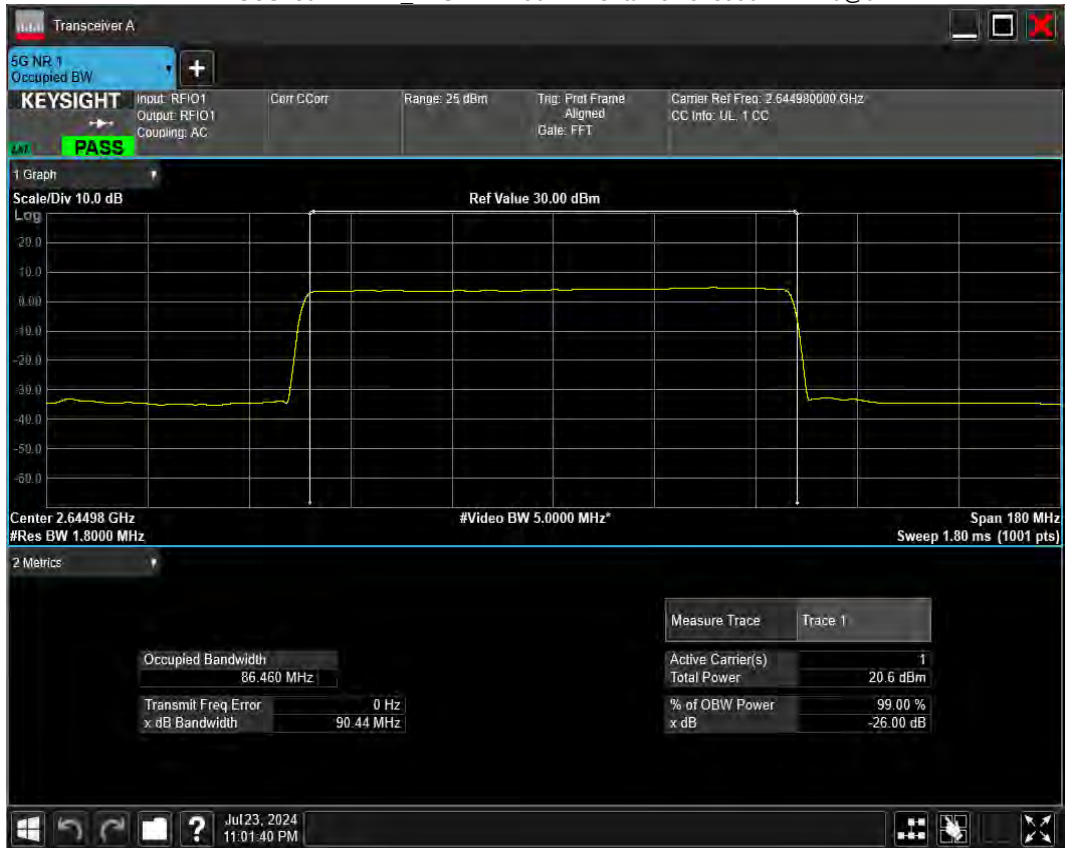
n41 SCS=30kHz DFT_QAM256 BW=90MHz Channel=518598 RB=240@0



n41 SCS=30kHz CP_QPSK BW=90MHz Channel=518598 RB=245@0



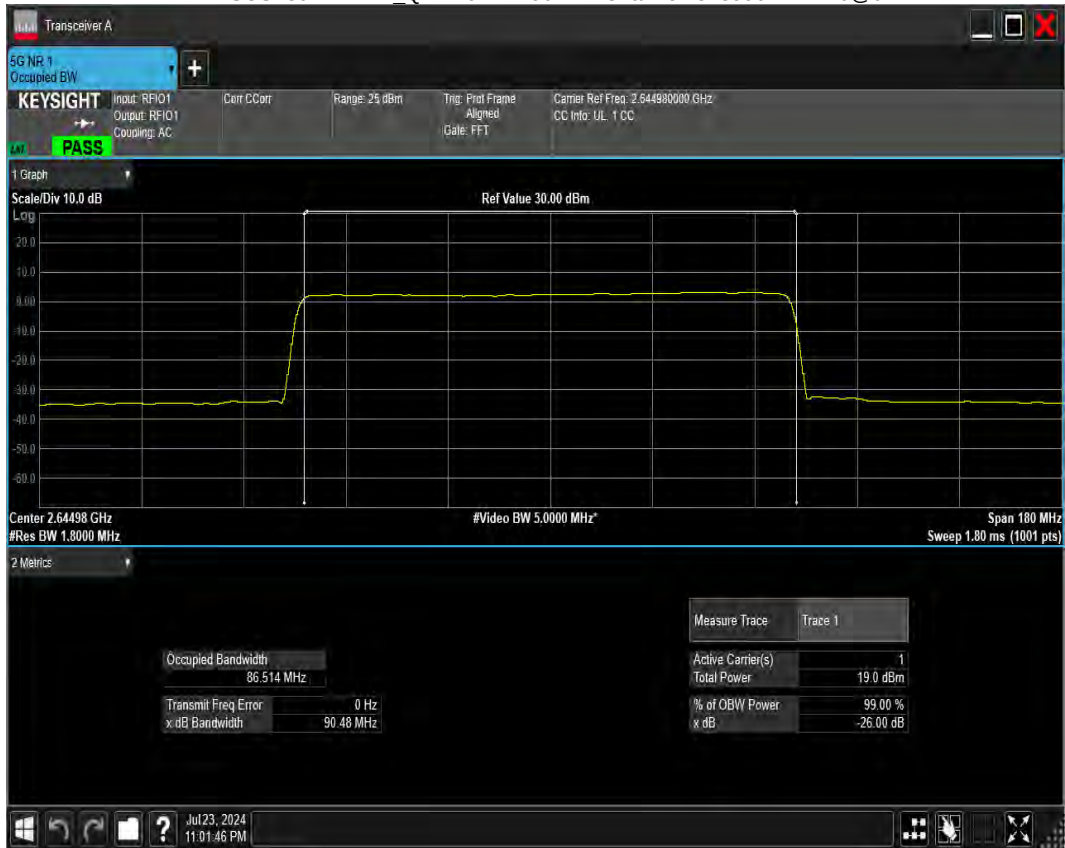
n41 SCS=30kHz DFT BPSK BW=90MHz Channel=528996 RB=240@0



n41 SCS=30kHz DFT_QPSK BW=90MHz Channel=528996 RB=240@0



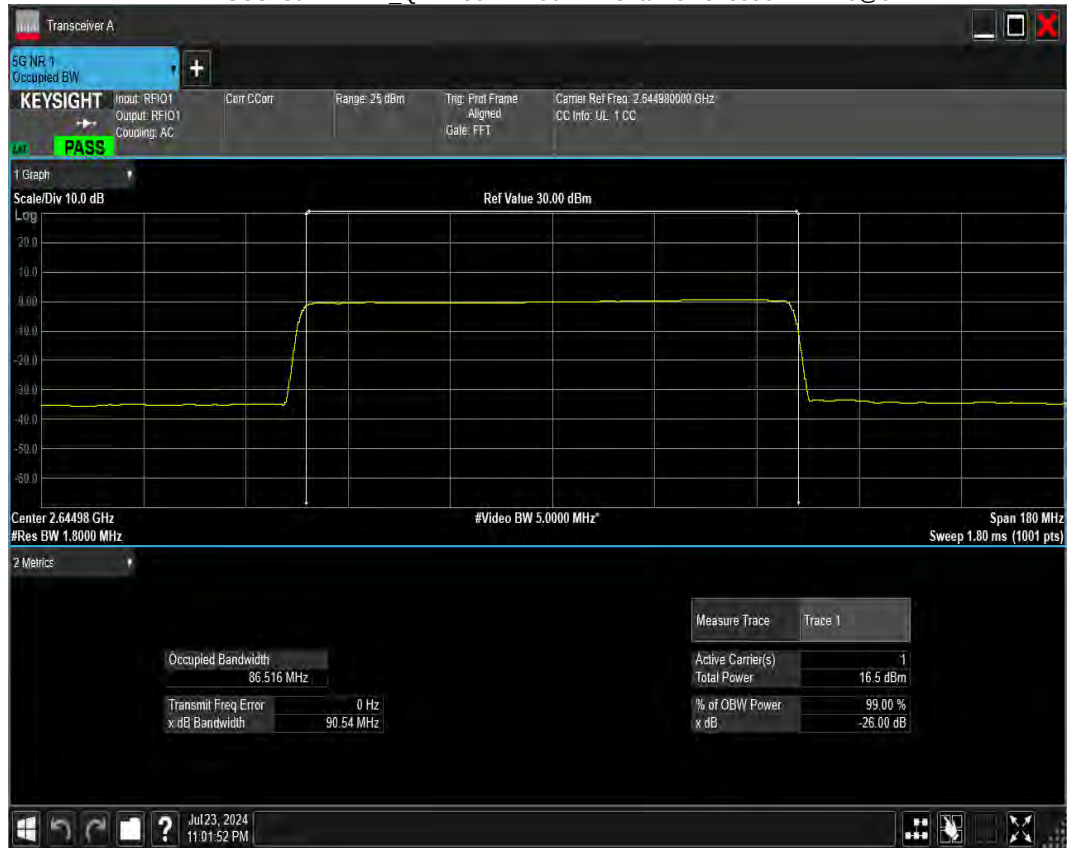
n41 SCS=30kHz DFT_QAM16 BW=90MHz Channel=528996 RB=240@0



n41 SCS=30kHz DFT_QAM64 BW=90MHz Channel=528996 RB=240@0



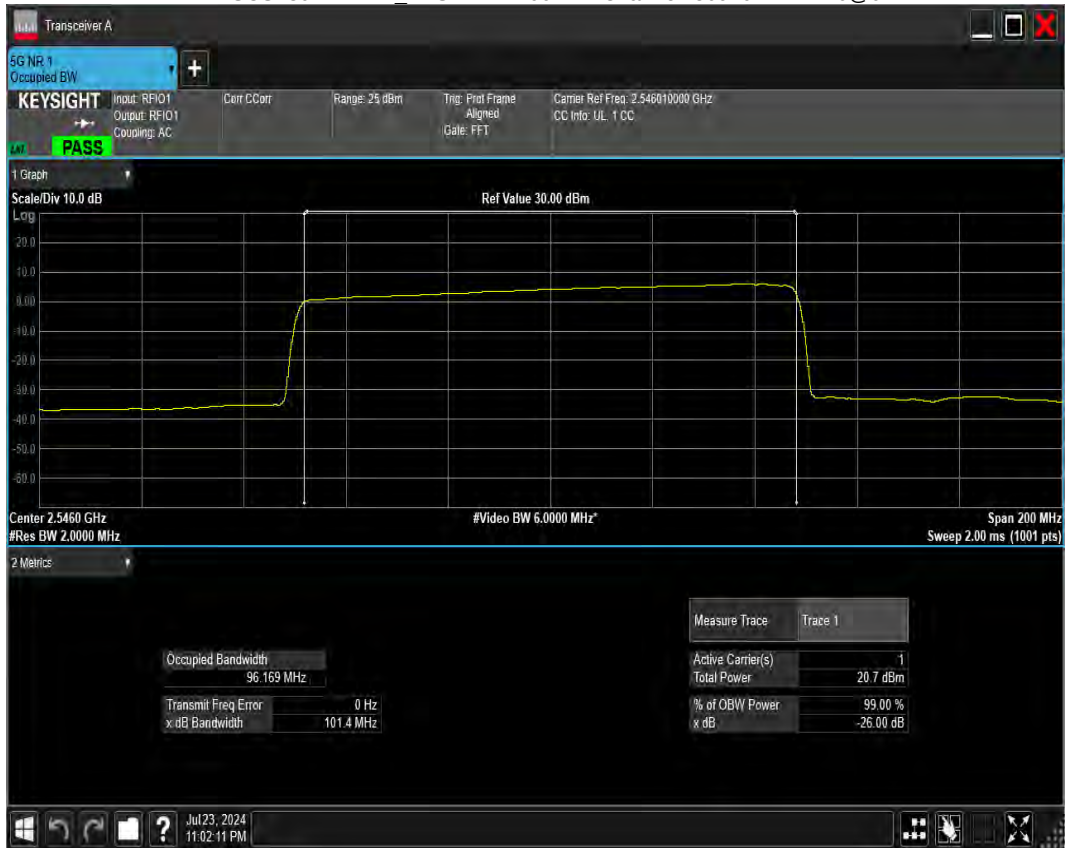
n41 SCS=30kHz DFT_QAM256 BW=90MHz Channel=528996 RB=240@0



n41 SCS=30kHz CP_QPSK BW=90MHz Channel=528996 RB=245@0



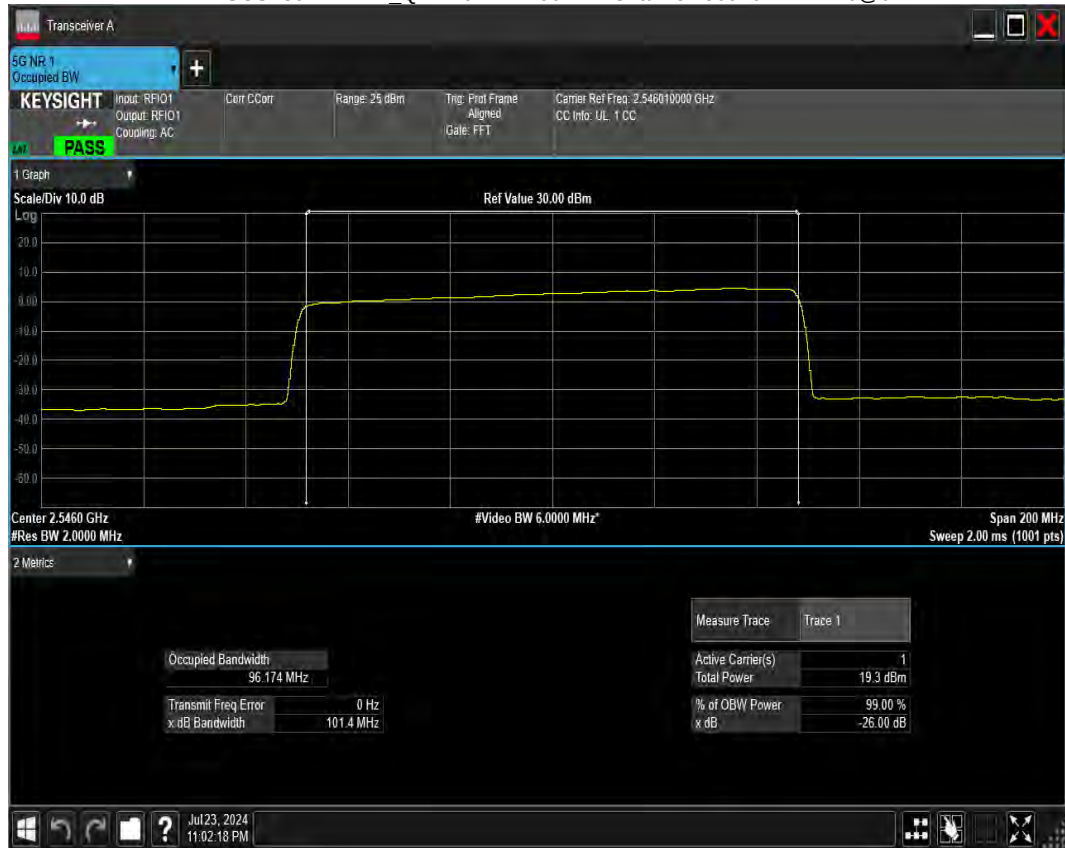
n41 SCS=30kHz DFT_BPSK BW=100MHz Channel=509202 RB=270@0



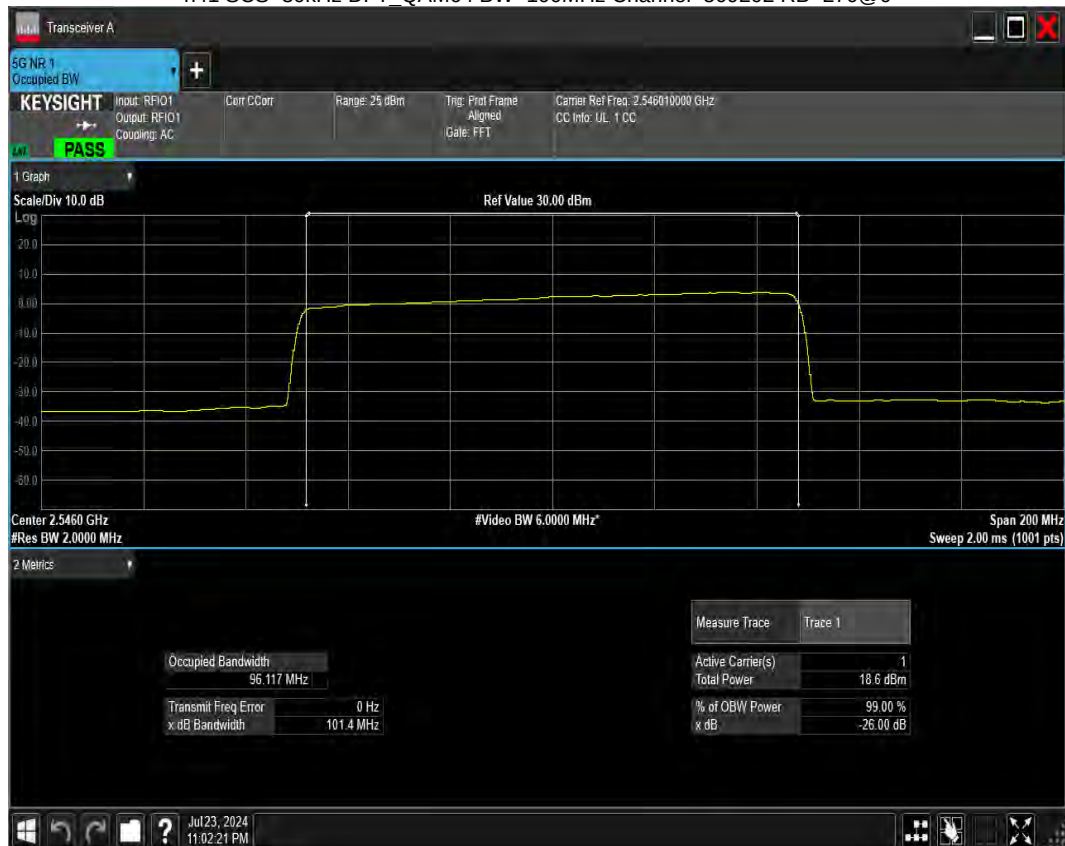
n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=509202 RB=270@0



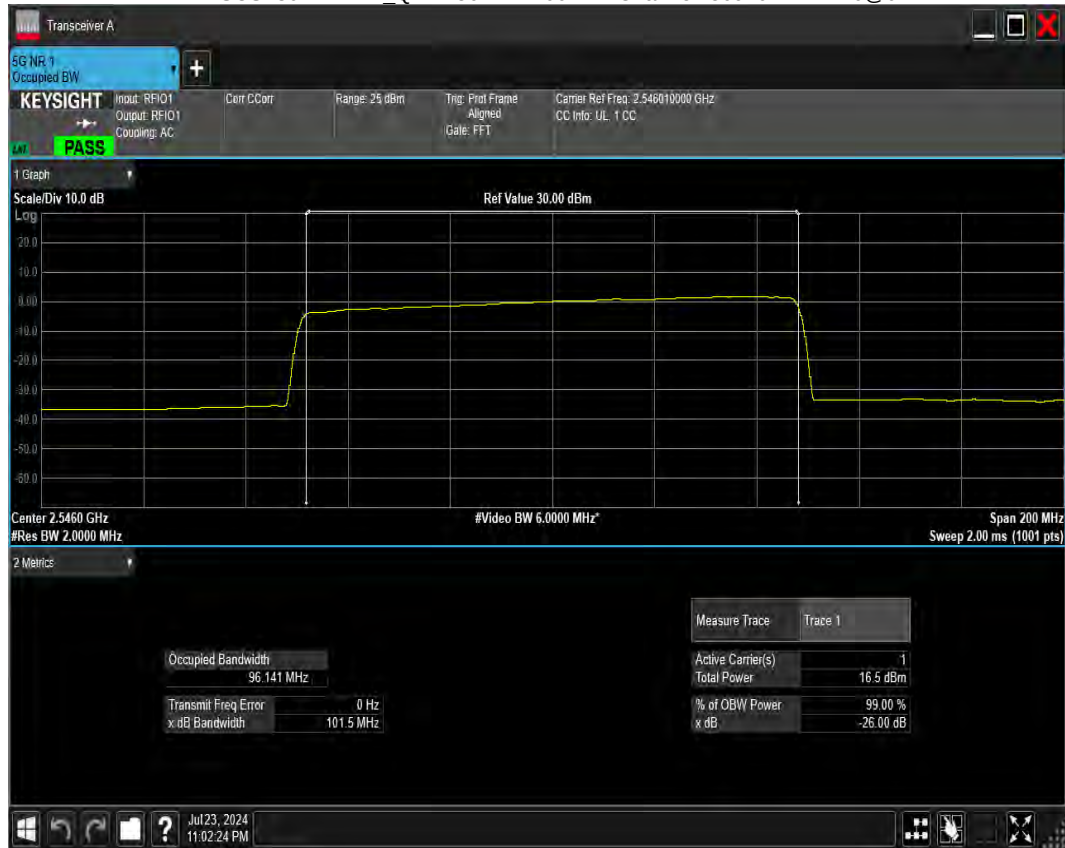
n41 SCS=30kHz DFT_QAM16 BW=100MHz Channel=509202 RB=270@0



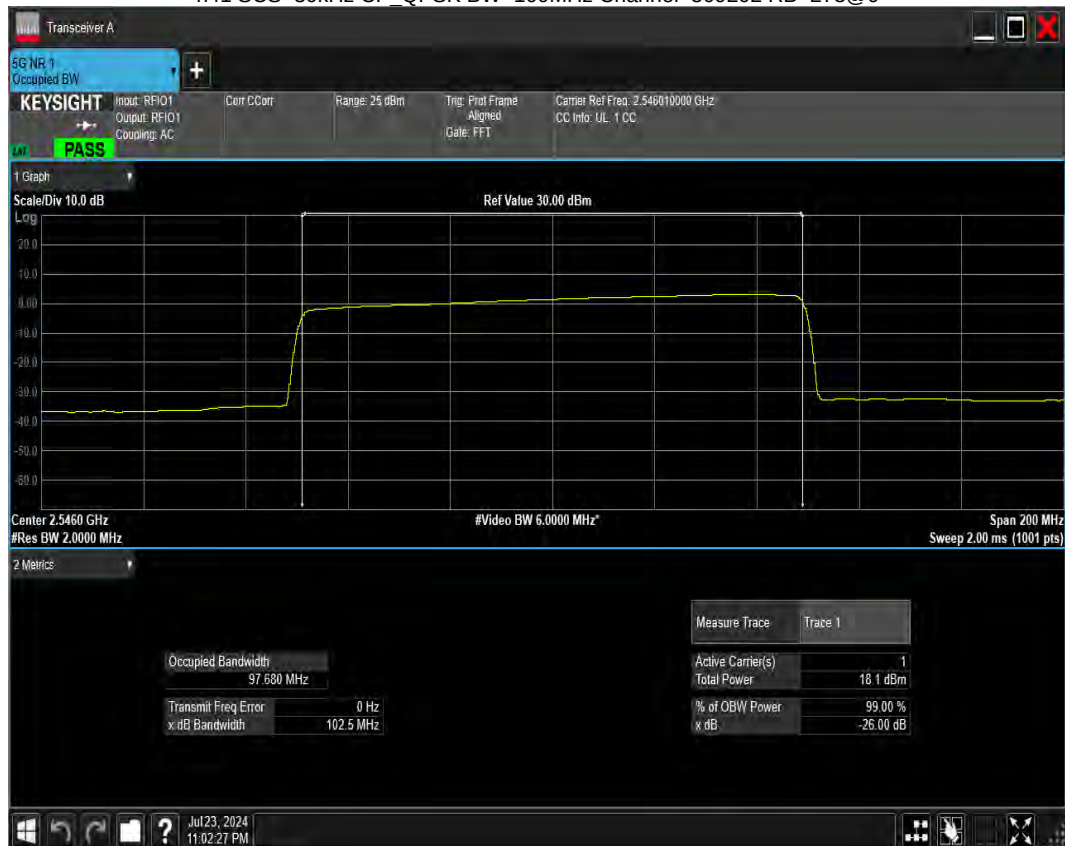
n41 SCS=30kHz DFT_QAM64 BW=100MHz Channel=509202 RB=270@0



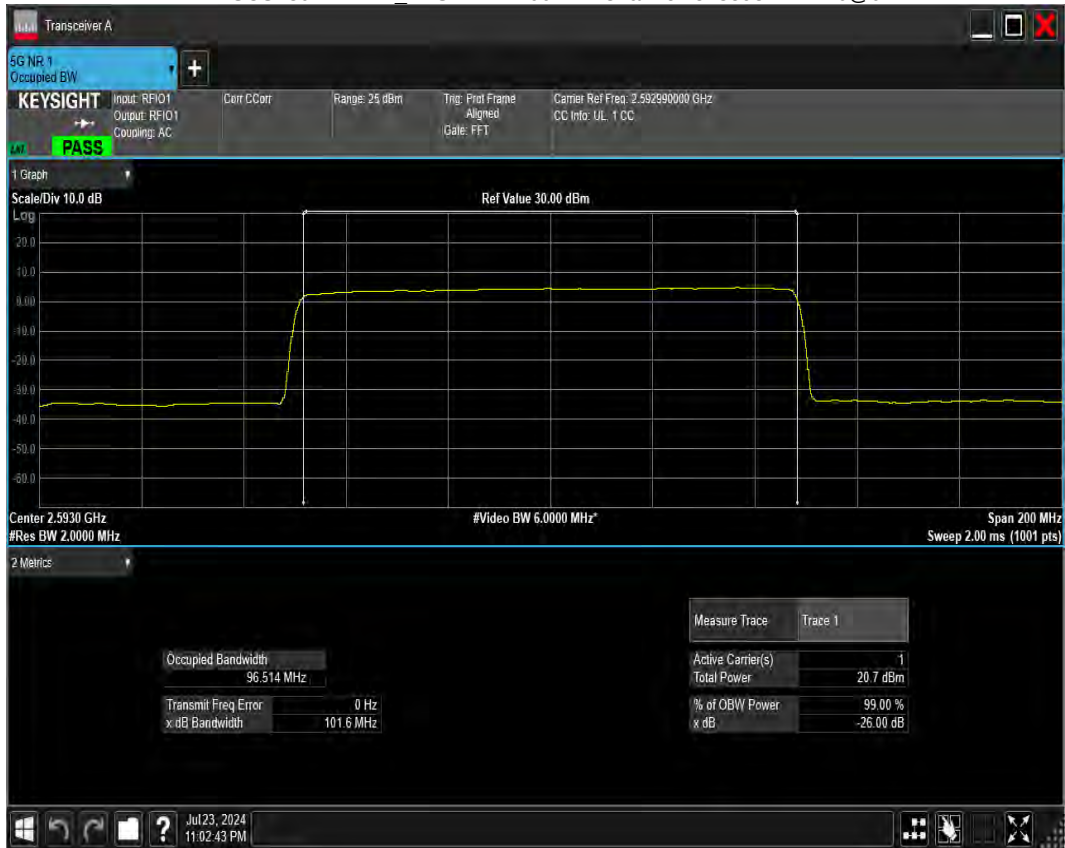
n41 SCS=30kHz DFT_QAM256 BW=100MHz Channel=509202 RB=270@0



n41 SCS=30kHz CP_QPSK BW=100MHz Channel=509202 RB=273@0



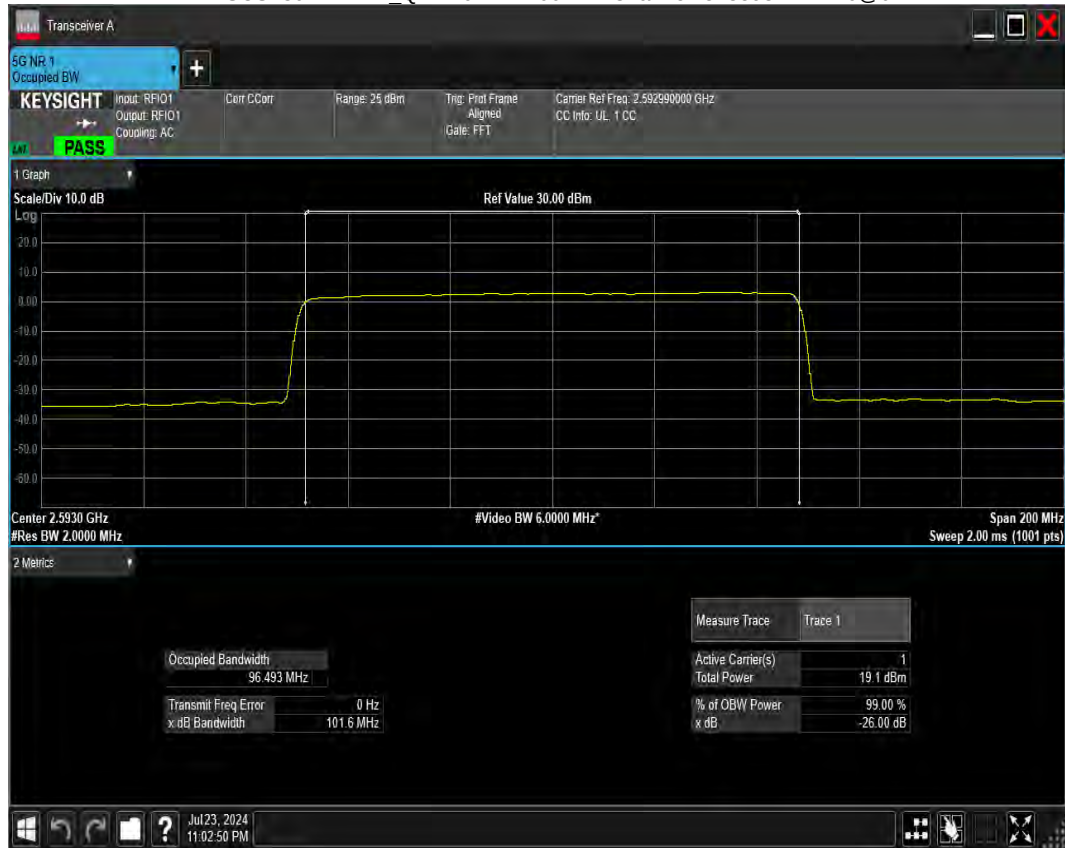
n41 SCS=30kHz DFT_BPSK BW=100MHz Channel=518598 RB=270@0



n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=518598 RB=270@0



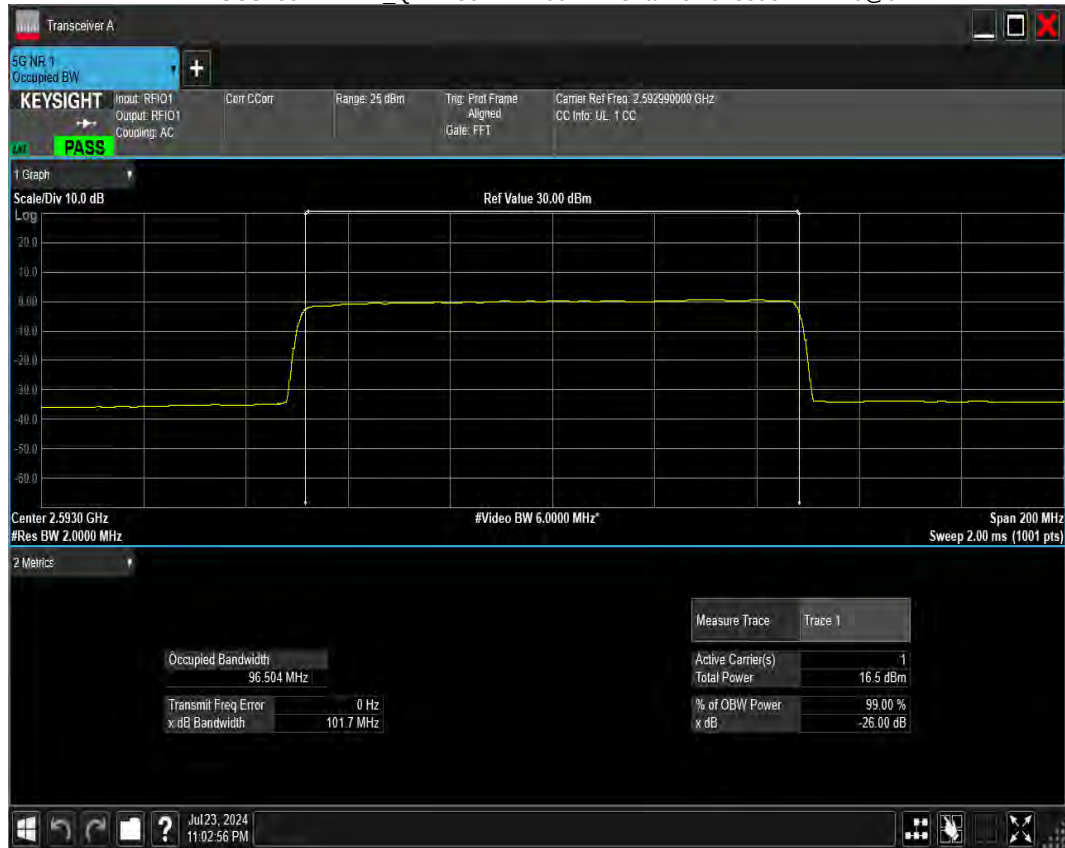
n41 SCS=30kHz DFT_QAM16 BW=100MHz Channel=518598 RB=270@0



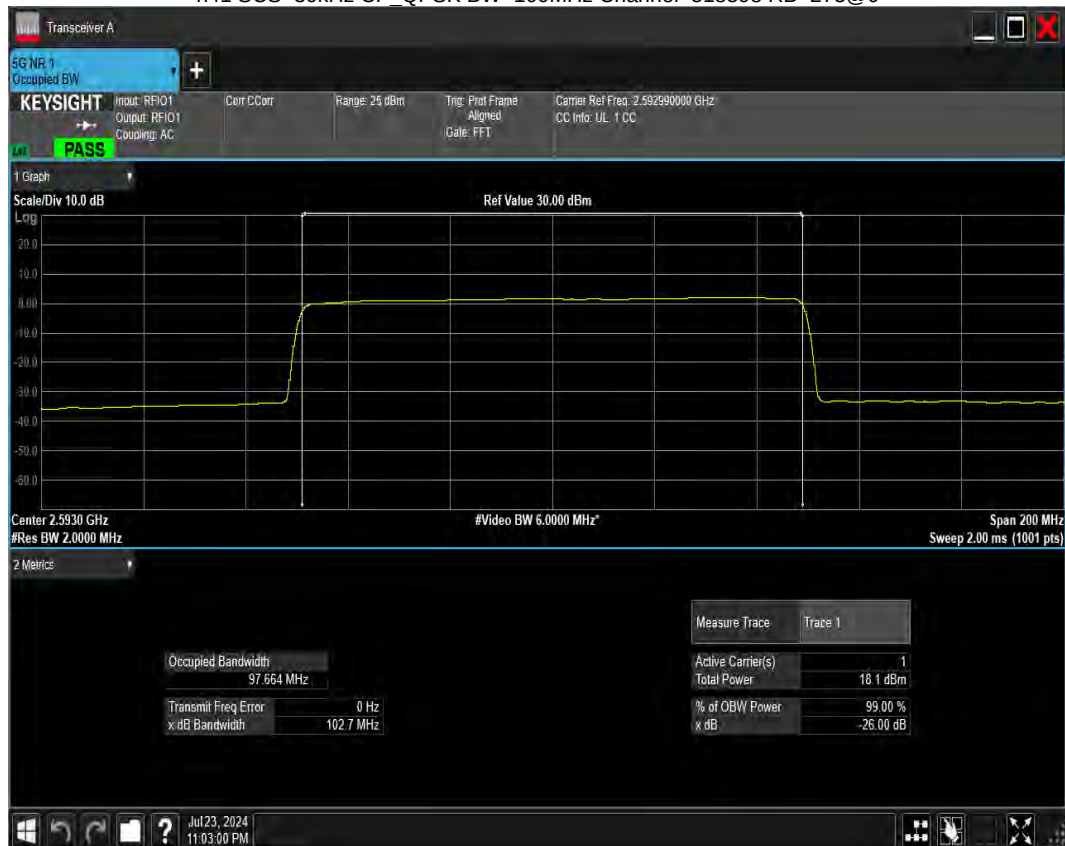
n41 SCS=30kHz DFT_QAM64 BW=100MHz Channel=518598 RB=270@0



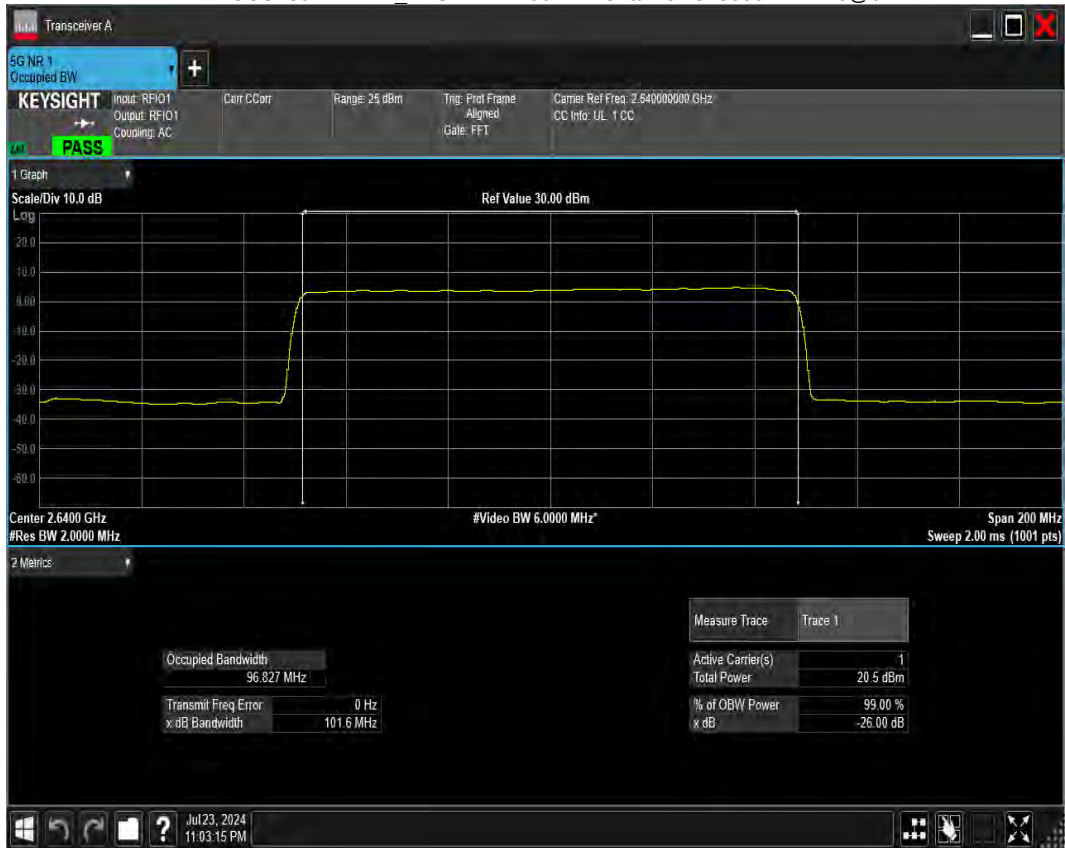
n41 SCS=30kHz DFT_QAM256 BW=100MHz Channel=518598 RB=270@0



n41 SCS=30kHz CP_QPSK BW=100MHz Channel=518598 RB=273@0



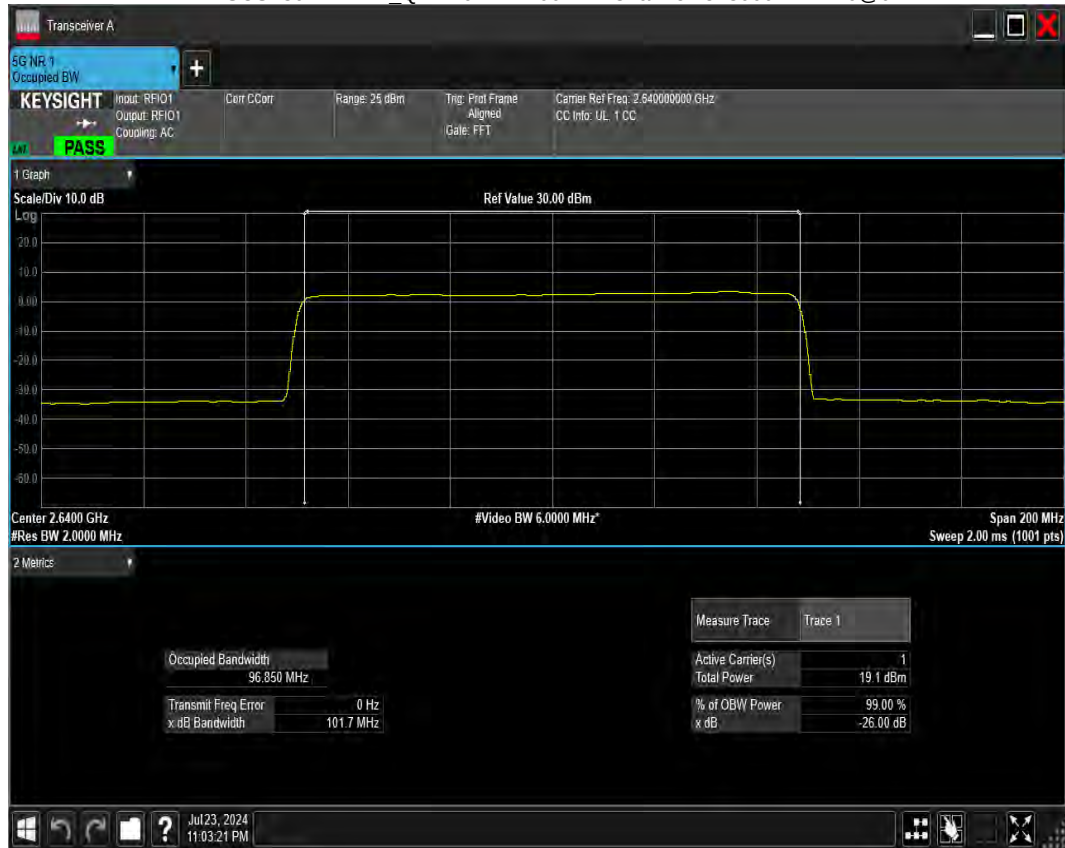
n41 SCS=30kHz DFT_BPSK BW=100MHz Channel=528000 RB=270@0



n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=528000 RB=270@0



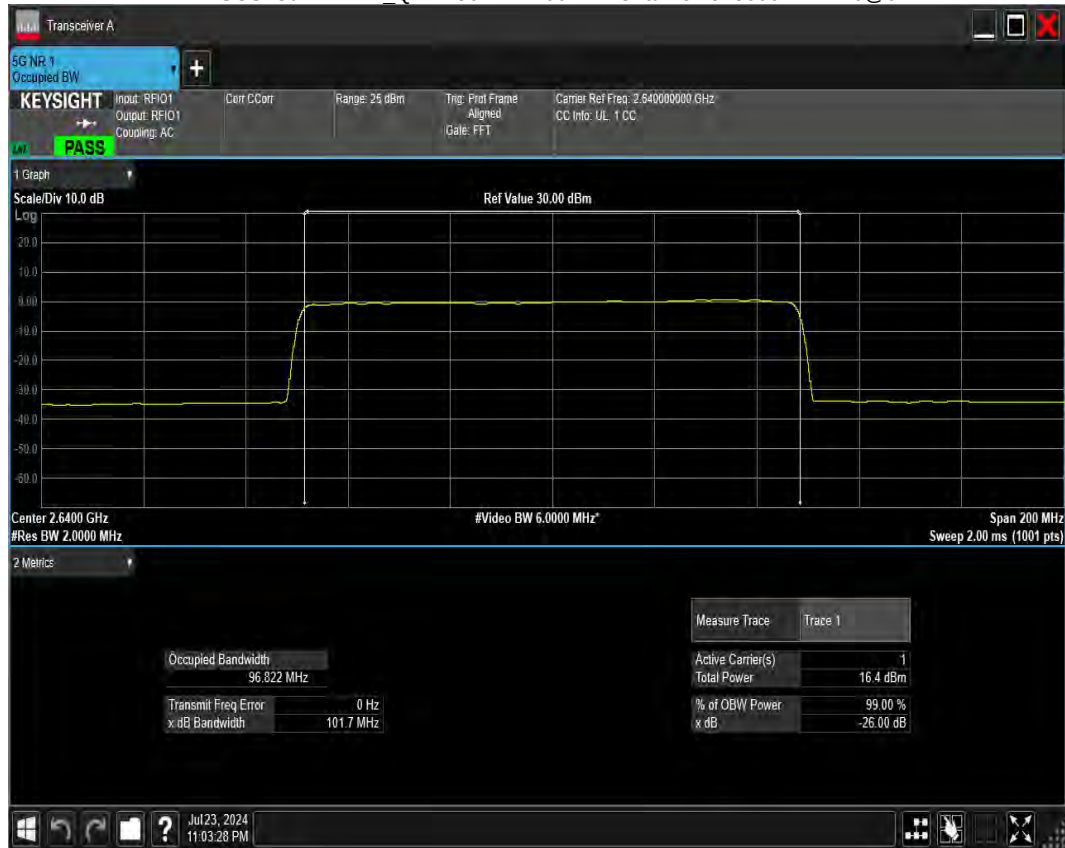
n41 SCS=30kHz DFT_QAM16 BW=100MHz Channel=528000 RB=270@0



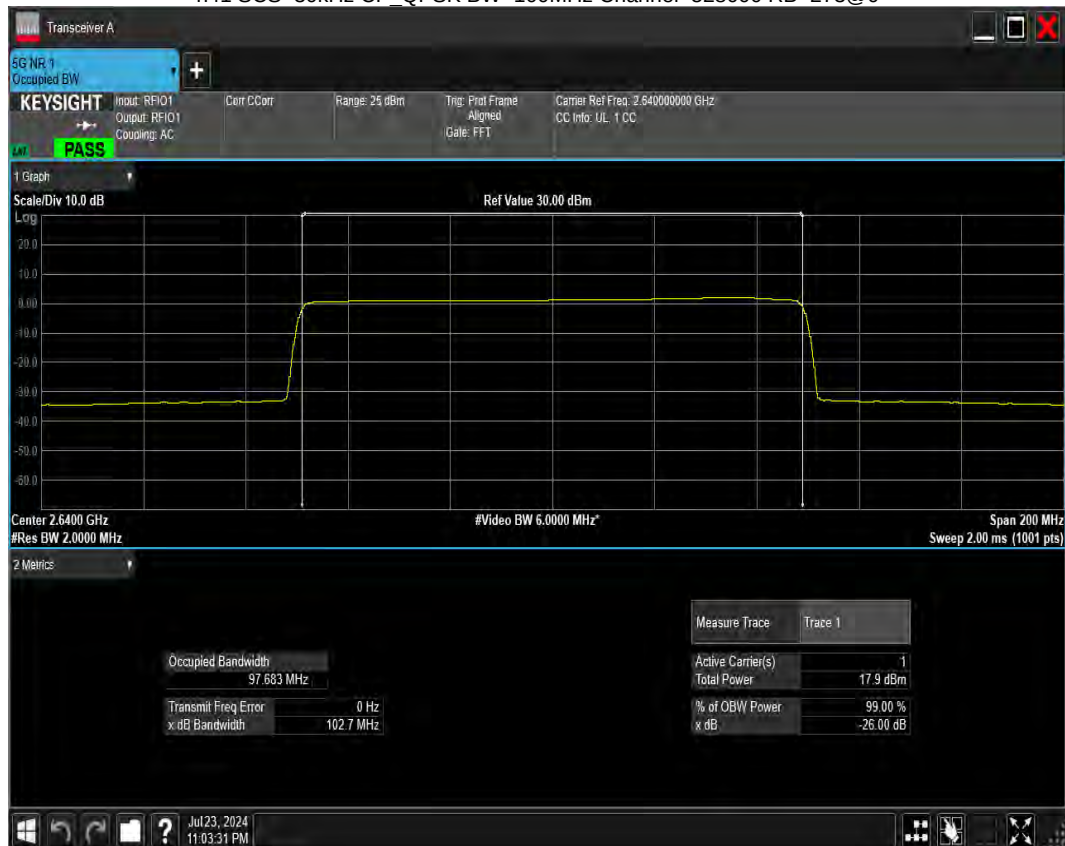
n41 SCS=30kHz DFT_QAM64 BW=100MHz Channel=528000 RB=270@0



n41 SCS=30kHz DFT_QAM256 BW=100MHz Channel=528000 RB=270@0



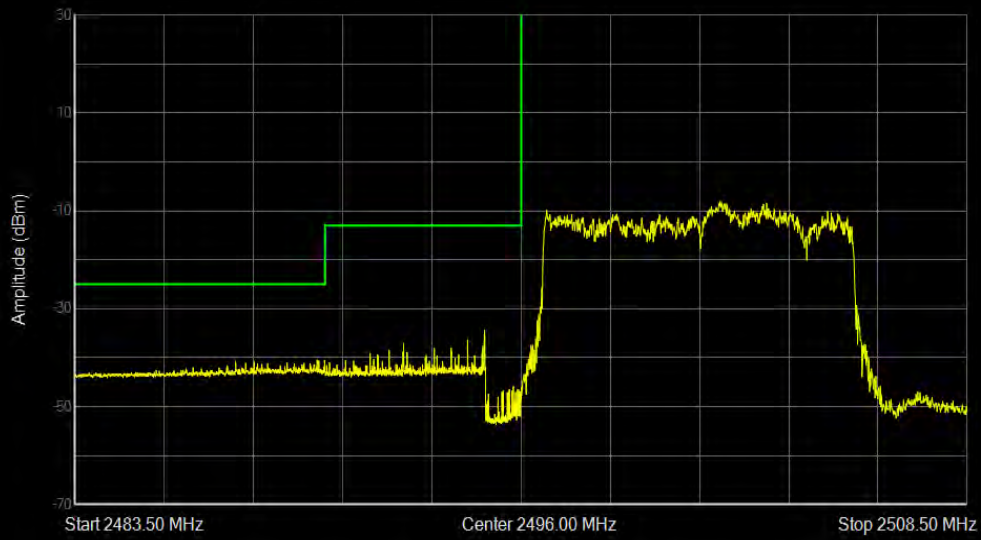
n41 SCS=30kHz CP_QPSK BW=100MHz Channel=528000 RB=273@0



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
n41	30	10	500202	24@0	DFT_QPSK	2490.28	-40.47	-25	PASS
n41	30	10	500202	1@0	DFT_QPSK	2489.95	-33.91	-25	PASS
n41	30	10	537000	24@0	DFT_QPSK	2700.42	-42.37	-25	PASS
n41	30	10	537000	1@23	DFT_QPSK	2700.23	-42.68	-25	PASS
n41	30	100	509202	270@0	DFT_QPSK	2485.96	-42.88	-25	PASS
n41	30	100	509202	1@0	DFT_QPSK	2485.36	-42.88	-25	PASS
n41	30	100	528000	270@0	DFT_QPSK	2796.80	-43.08	-25	PASS
n41	30	100	528000	1@272	DFT_QPSK	2795.25	-43.14	-25	PASS

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=500202 RB=24@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2483.5	2490.5	1000	2490.276	-40.47	-25
2	2490.5	2495	1000	2494.973	-34.39	-13
3	2495	2496	100	2495.778	-45.89	-13

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=500202 RB=1@0



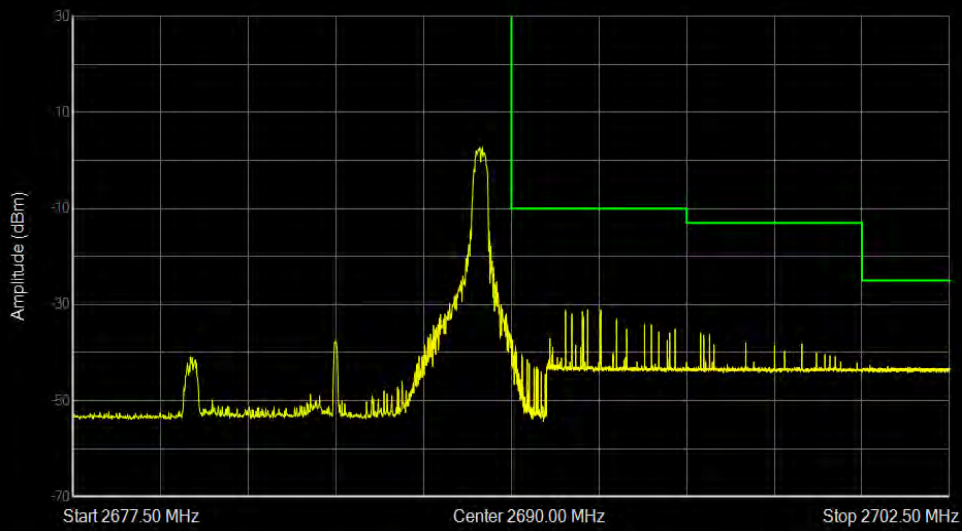
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2483.5	2490.5	1000	2489.947	-33.91	-25
2	2490.5	2495	1000	2494.6445	-26.87	-13
3	2495	2496	100	2495.876	-37.75	-13

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=537000 RB=24@0



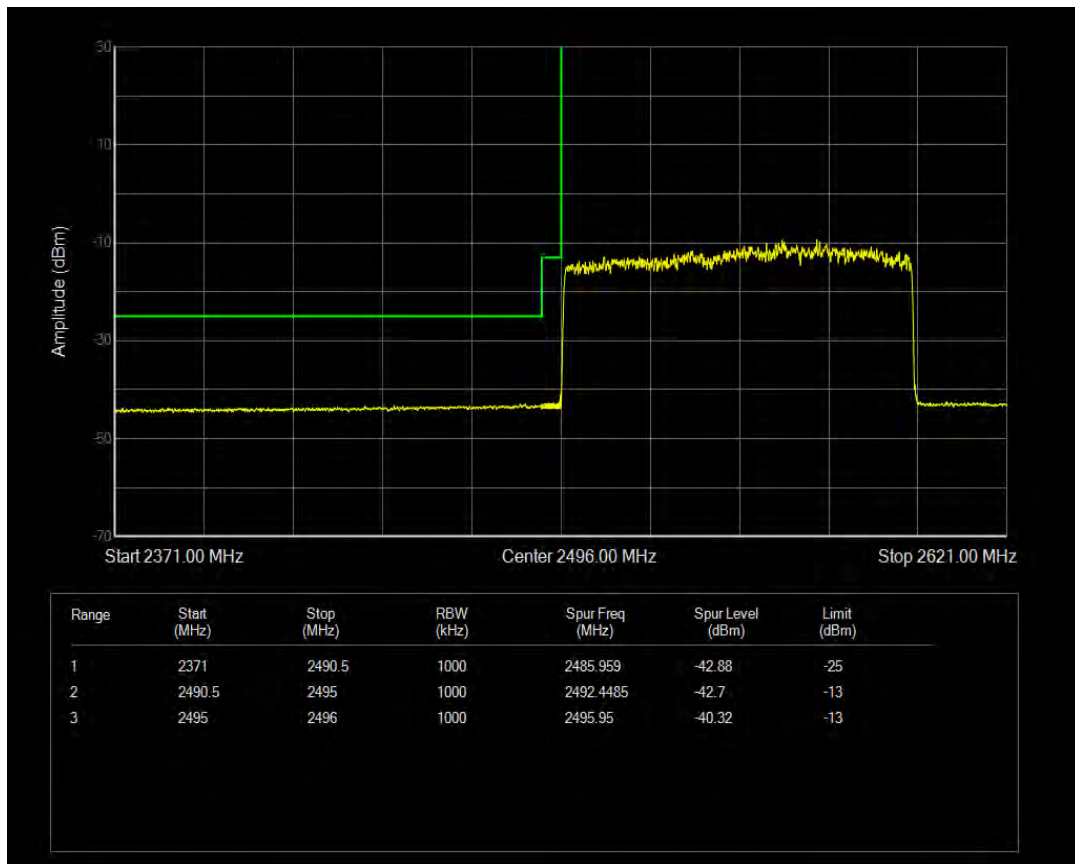
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	200	2690.001	-38.56	-10
2	2691	2695	1000	2691.952	-37.83	-10
3	2695	2700	1000	2696.455	-39.85	-13
4	2700	2702.5	1000	2700.4225	-42.37	-25

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=537000 RB=1@23

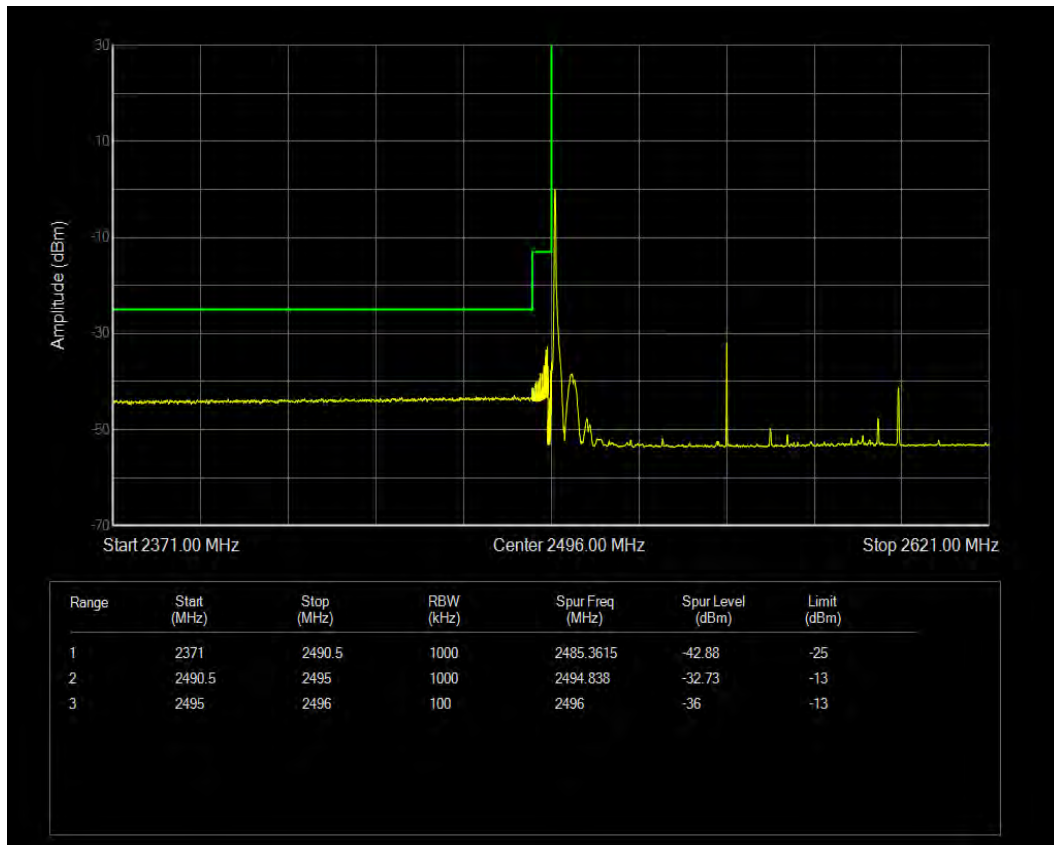


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2690	2691	100	2690.033	-37.41	-10
2	2691	2695	1000	2692.172	-31.13	-10
3	2695	2700	1000	2695.395	-35.89	-13
4	2700	2702.5	1000	2700.2275	-42.68	-25

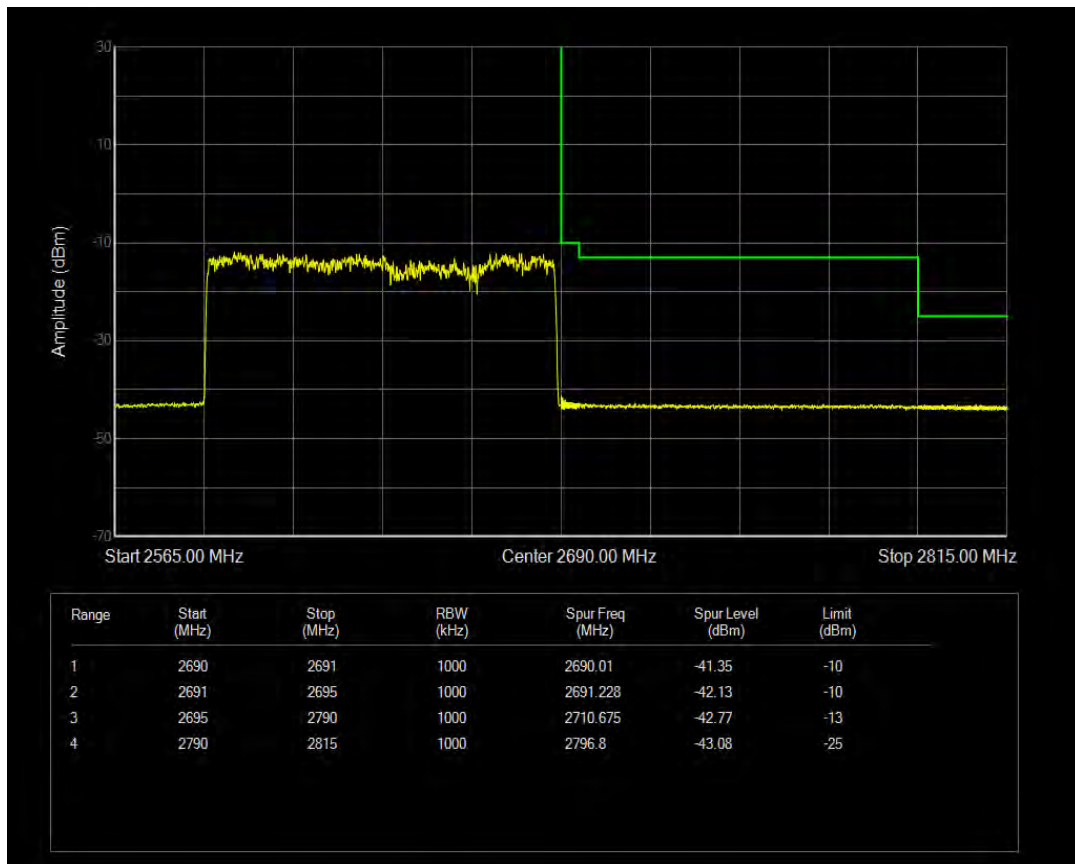
n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=509202 RB=270@0



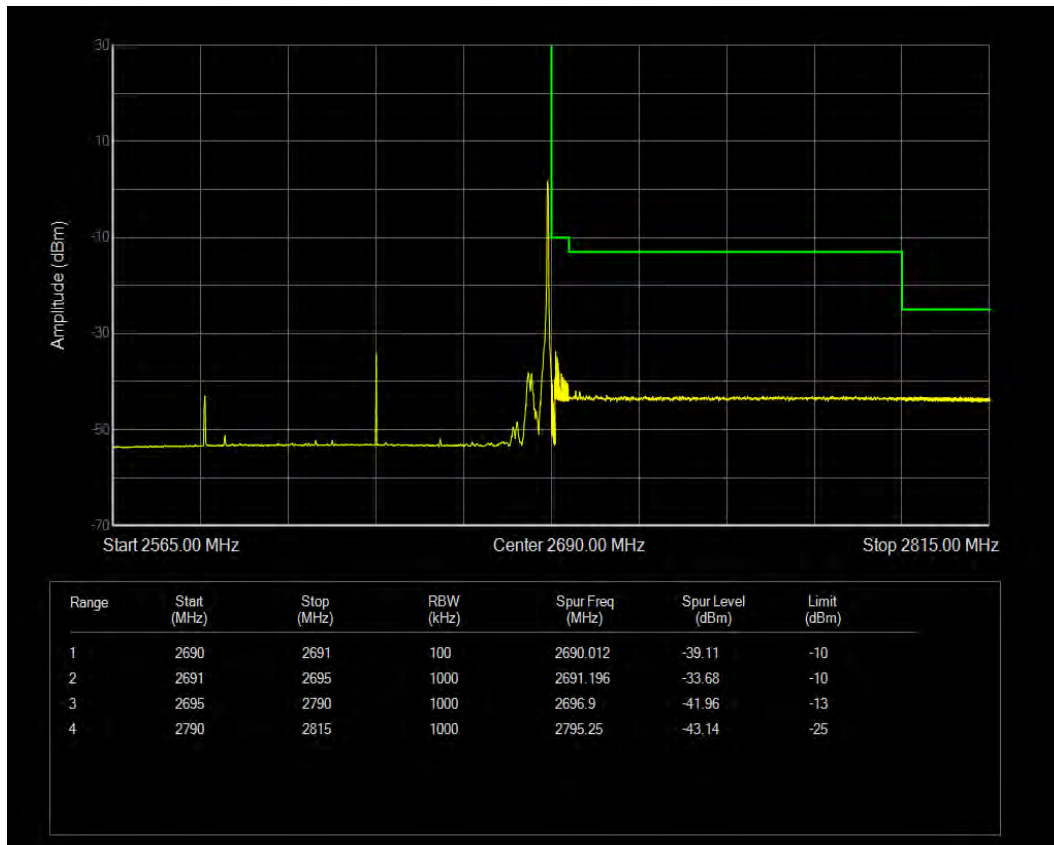
n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=509202 RB=1@0



n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=528000 RB=270@0



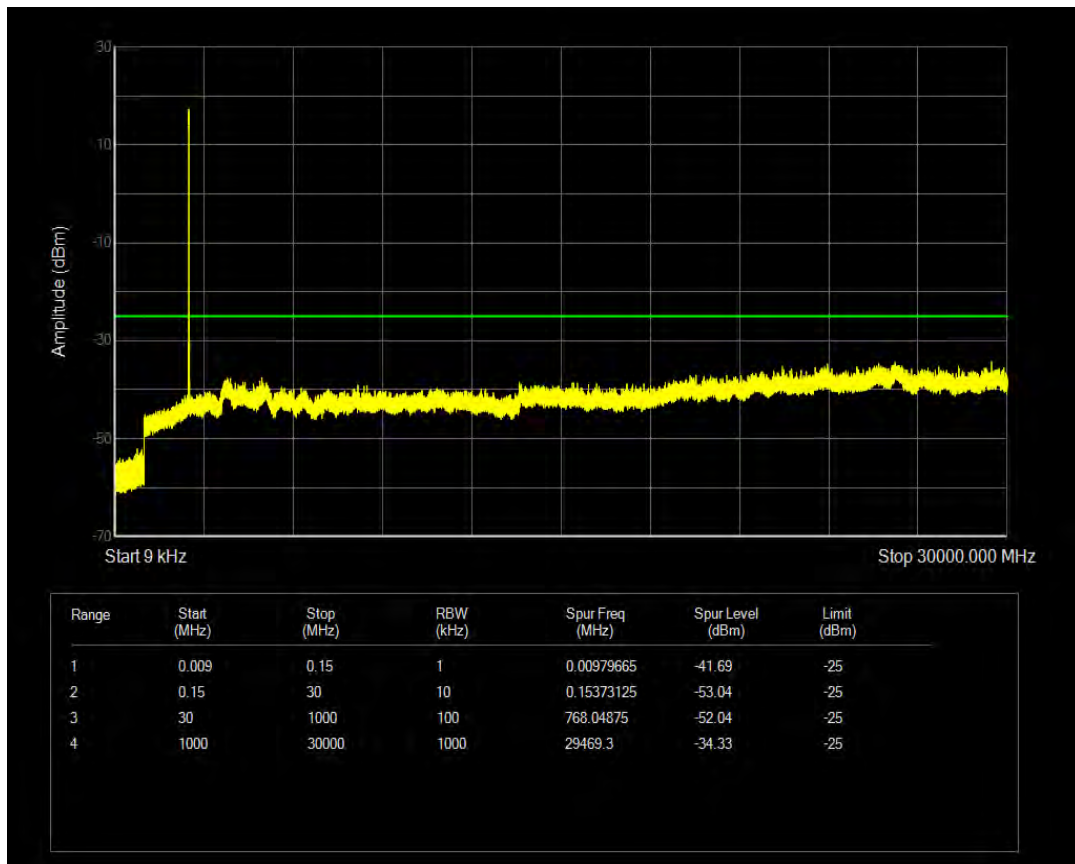
n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=528000 RB=1@272



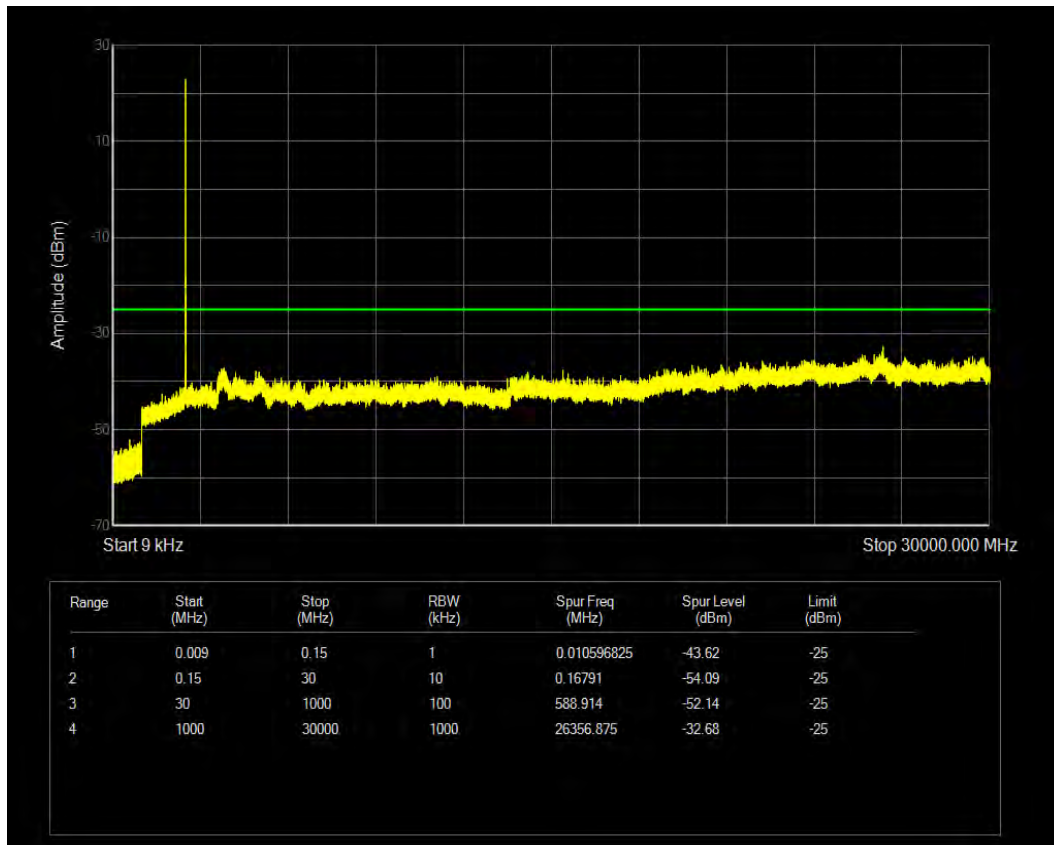
6 Out-of-band emissions for NR FR1

Band	SCS (kHz)	Band width (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n41	30	10	500202	24@0	DFT_QPSK	29469.30	-34.33	-25	PASS
n41	30	10	500202	1@0	DFT_QPSK	26356.88	-32.68	-25	PASS
n41	30	10	500202	1@23	DFT_QPSK	26438.08	-34.00	-25	PASS
n41	30	10	518598	24@0	DFT_QPSK	25605.05	-33.67	-25	PASS
n41	30	10	518598	1@0	DFT_QPSK	26627.30	-34.19	-25	PASS
n41	30	10	518598	1@23	DFT_QPSK	26336.58	-34.13	-25	PASS
n41	30	10	537000	24@0	DFT_QPSK	26269.88	-33.95	-25	PASS
n41	30	10	537000	1@0	DFT_QPSK	26112.55	-33.72	-25	PASS
n41	30	10	537000	1@23	DFT_QPSK	26205.35	-33.24	-25	PASS
n41	30	100	509202	270@0	DFT_QPSK	26377.90	-33.47	-25	PASS
n41	30	100	509202	1@0	DFT_QPSK	27061.58	-33.85	-25	PASS
n41	30	100	509202	1@272	DFT_QPSK	25691.33	-34.09	-25	PASS
n41	30	100	518598	270@0	DFT_QPSK	26253.20	-33.47	-25	PASS
n41	30	100	518598	1@0	DFT_QPSK	26251.75	-32.94	-25	PASS
n41	30	100	518598	1@272	DFT_QPSK	26264.80	-33.34	-25	PASS
n41	30	100	528000	270@0	DFT_QPSK	26409.08	-33.84	-25	PASS
n41	30	100	528000	1@0	DFT_QPSK	25747.15	-33.65	-25	PASS
n41	30	100	528000	1@272	DFT_QPSK	26266.25	-33.21	-25	PASS

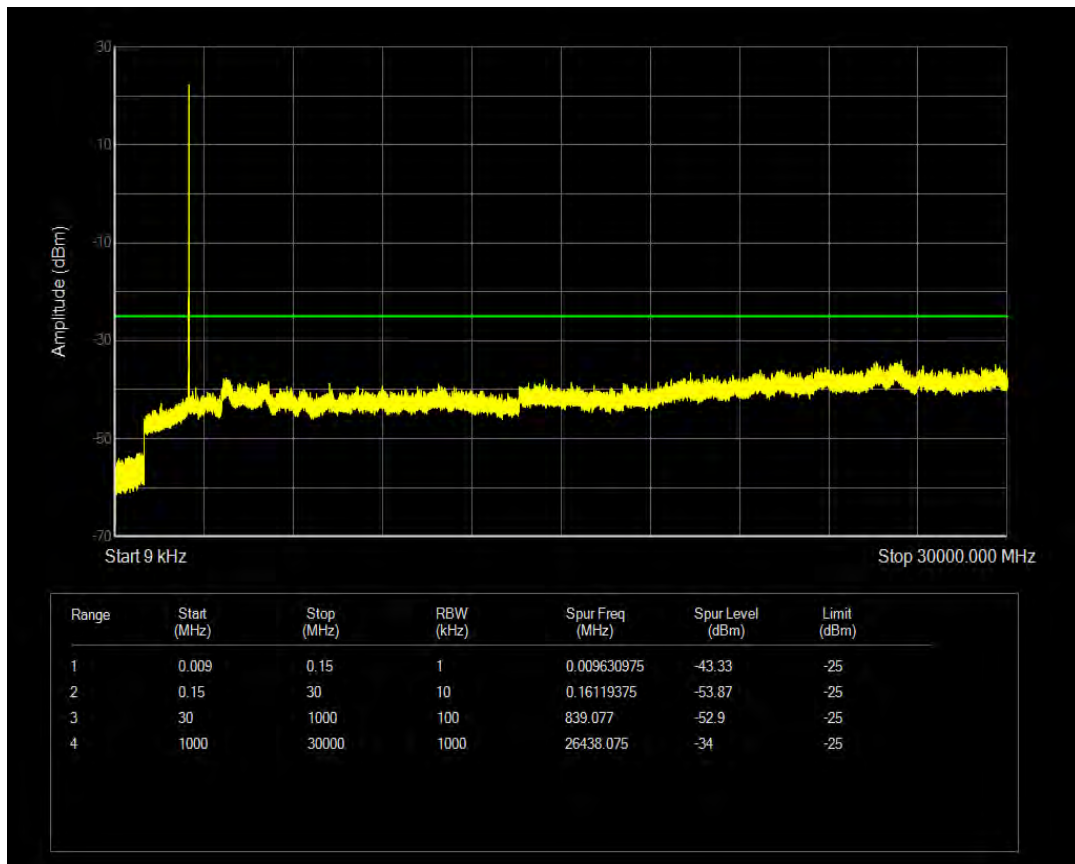
n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=500202 RB=24@0



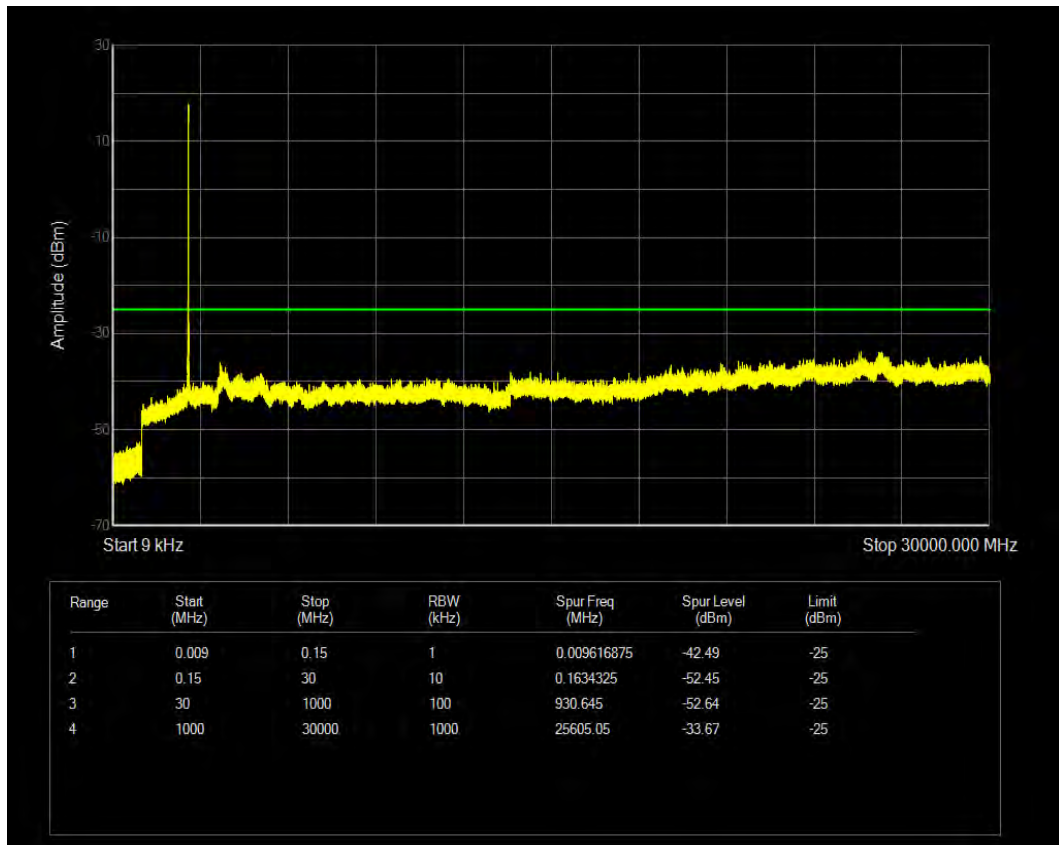
n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=500202 RB=1@0



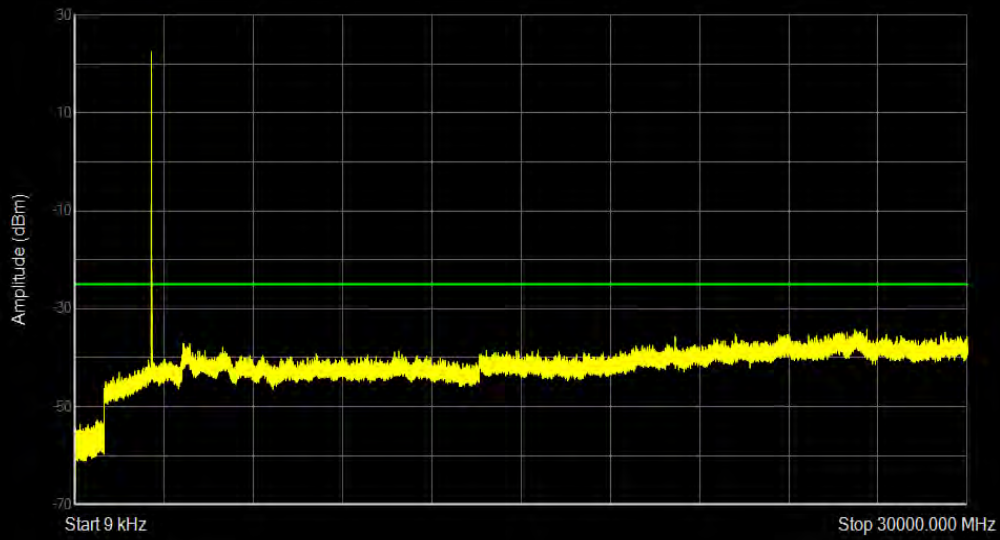
n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=500202 RB=1@23



n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=518598 RB=24@0

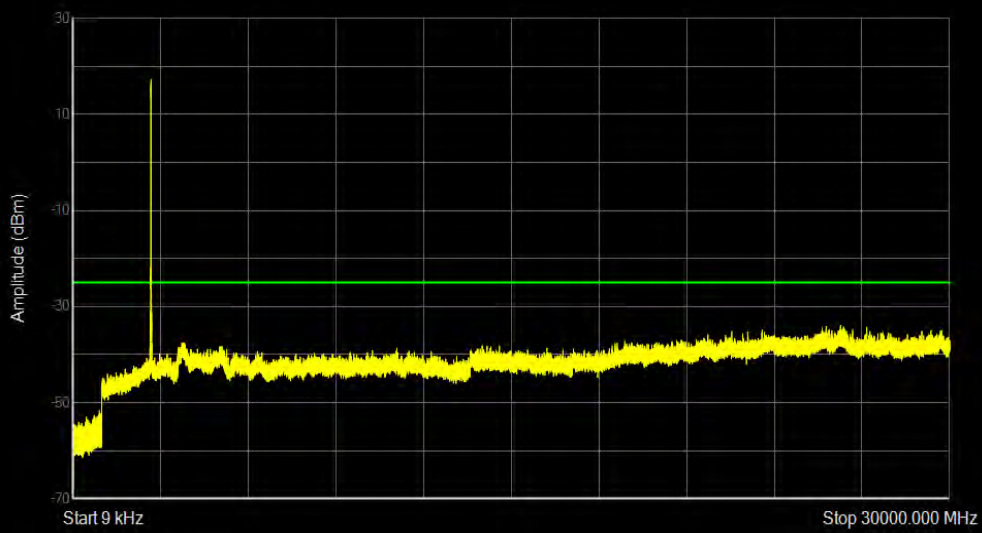


n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=518598 RB=1@0



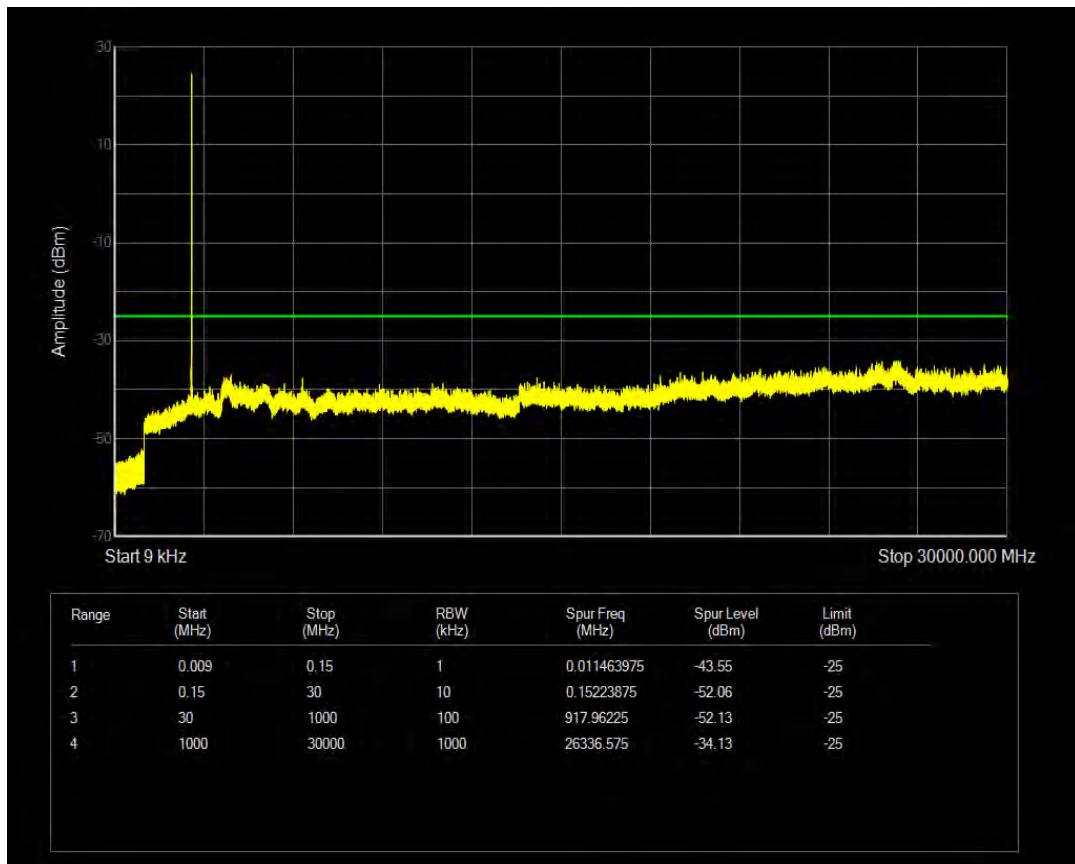
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0092397	-42.93	-25
2	0.15	30	10	0.17611875	-53.37	-25
3	30	1000	100	772.07425	-52.8	-25
4	1000	30000	1000	26627.3	-34.19	-25

n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=537000 RB=24@0

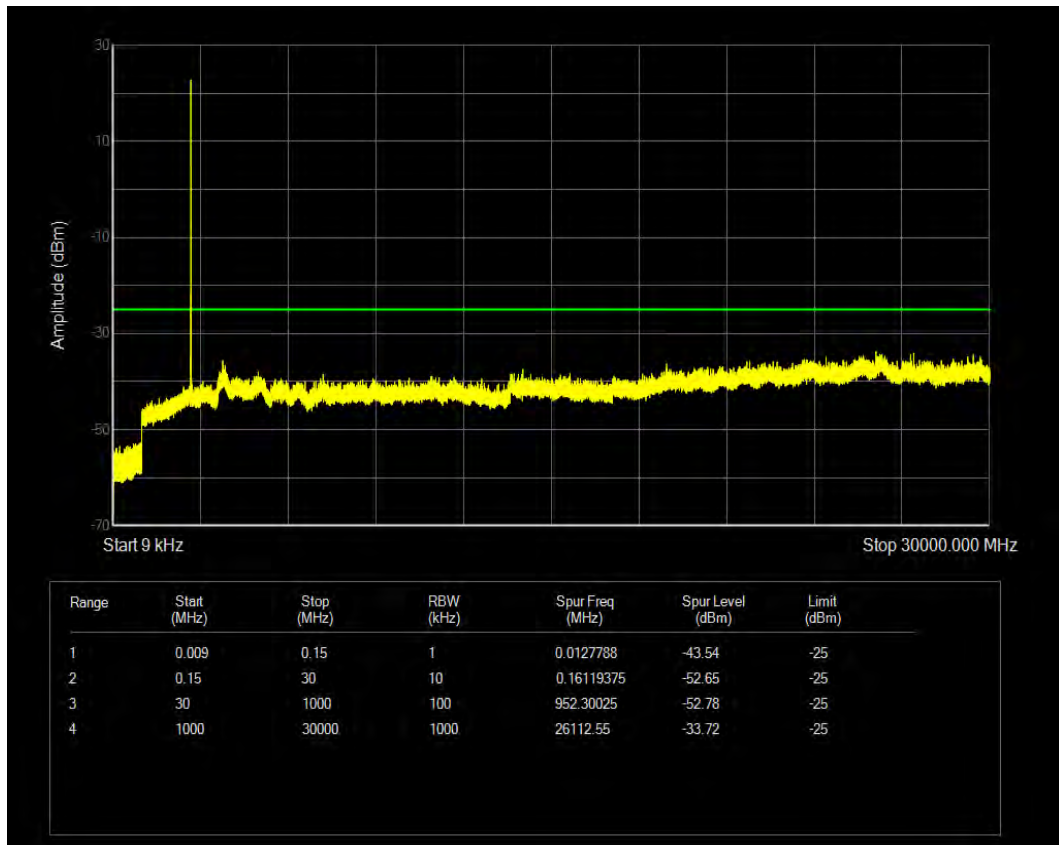


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-43.68	-25
2	0.15	30	10	0.15597	-54.25	-25
3	30	1000	100	920.04775	-51.7	-25
4	1000	30000	1000	26269.875	-33.95	-25

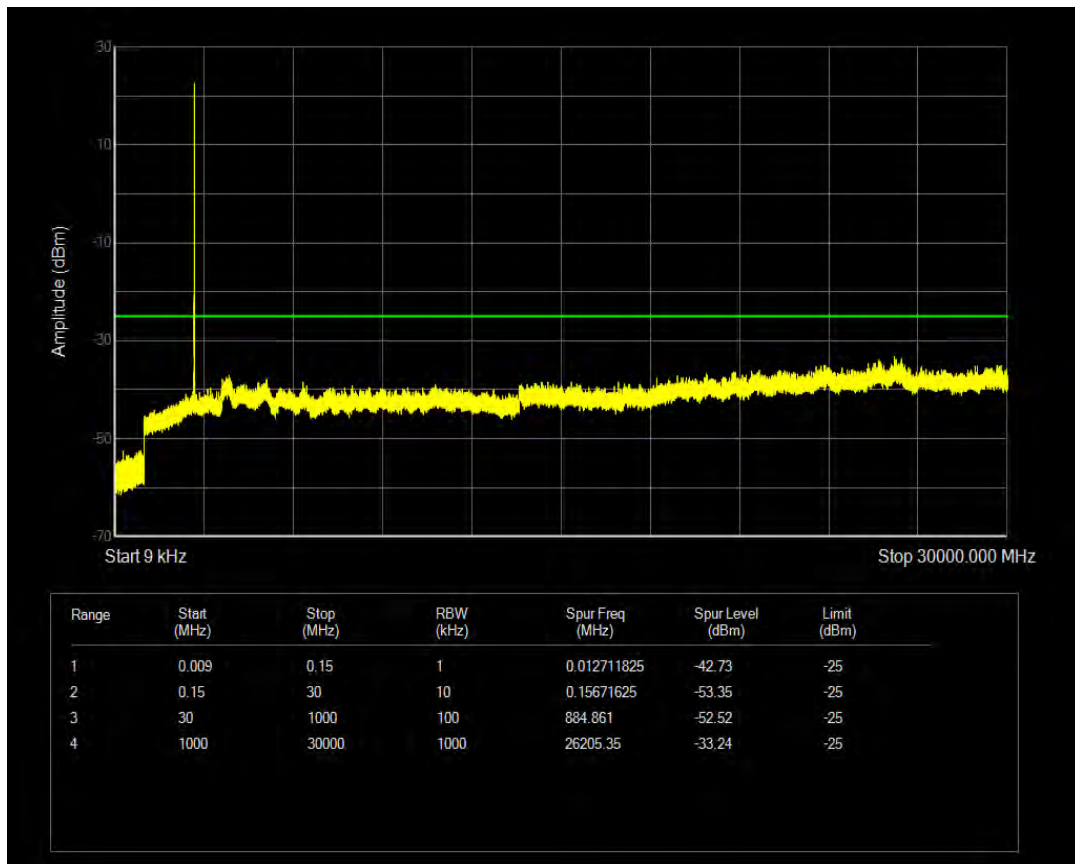
n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=518598 RB=1@23



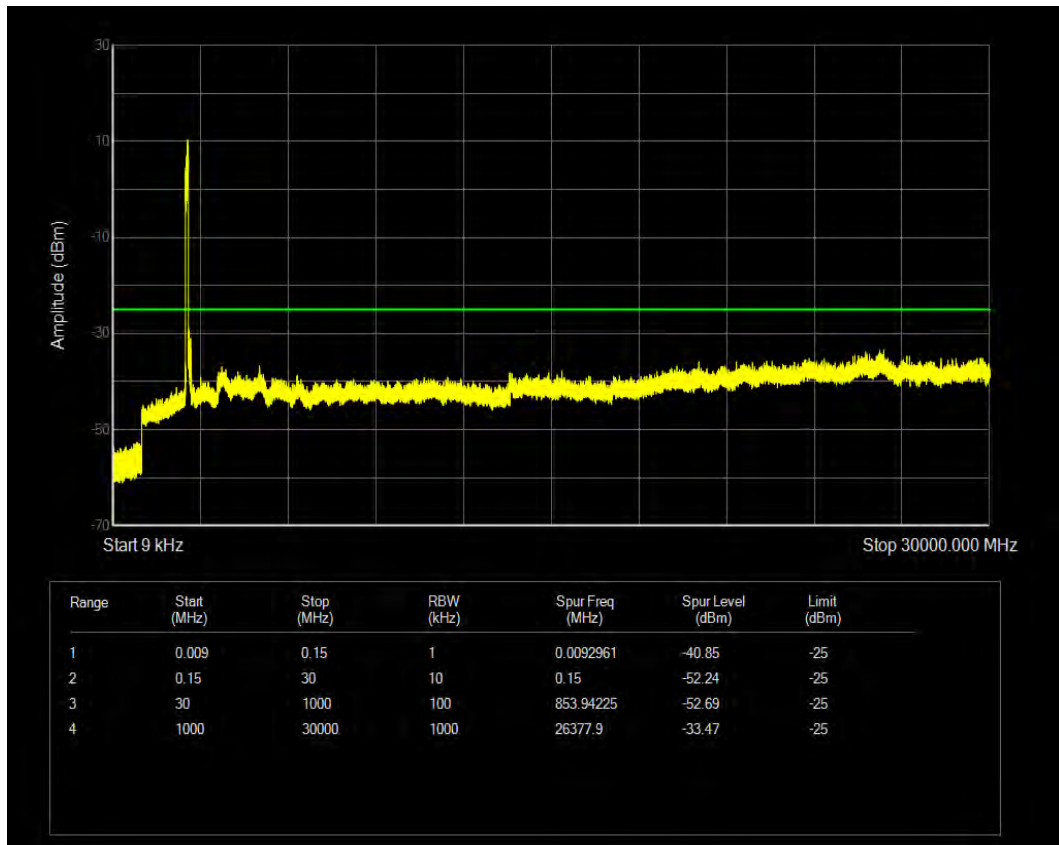
n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=537000 RB=1@0



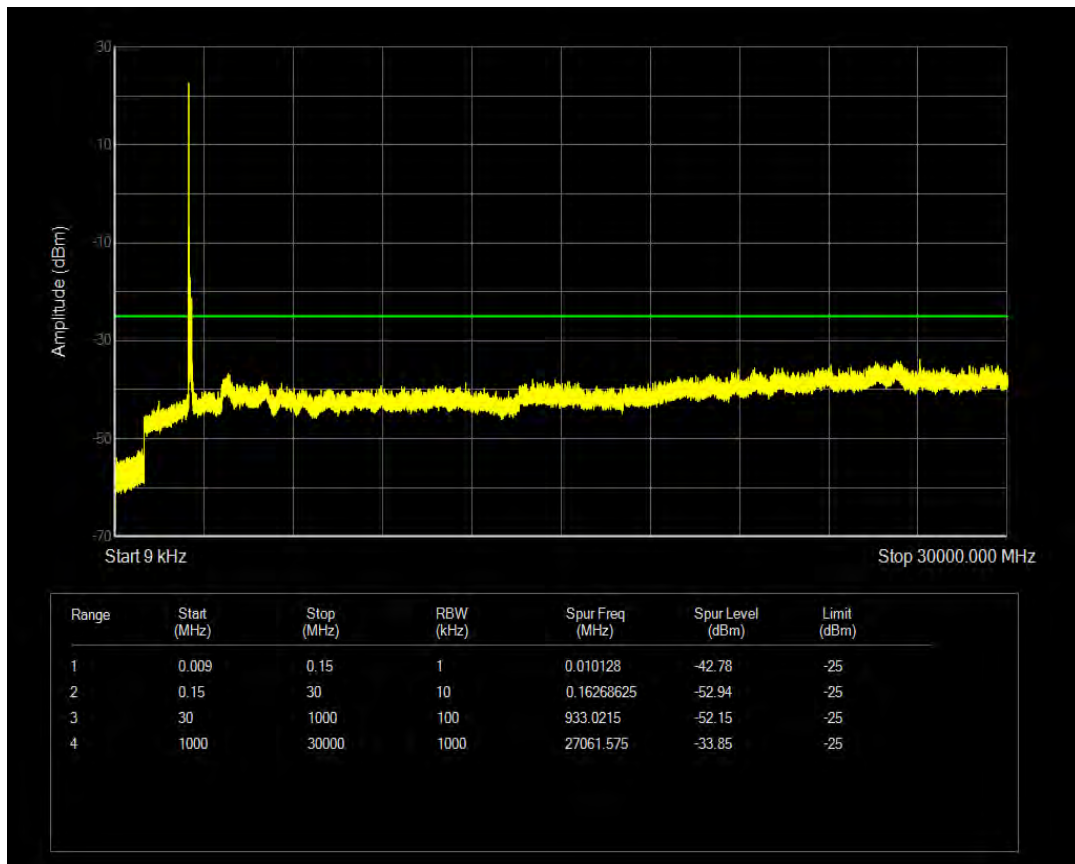
n41 SCS=30kHz DFT_QPSK BW=10MHz Channel=537000 RB=1@23



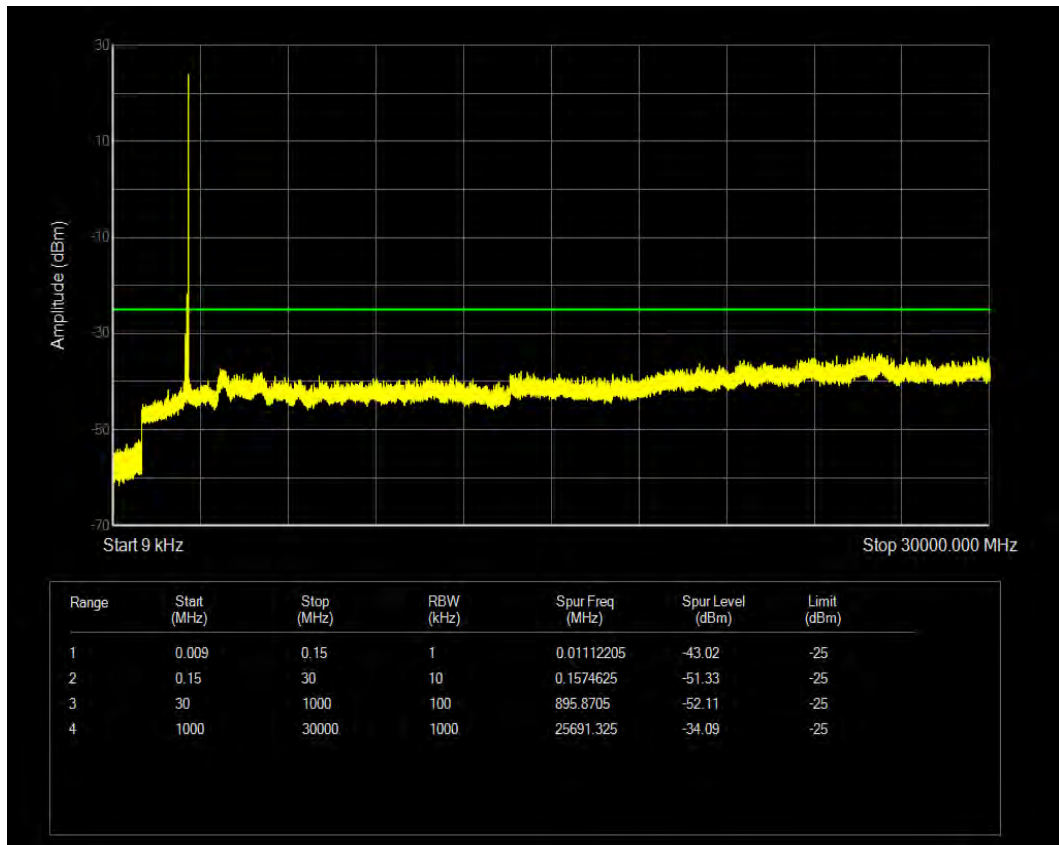
n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=509202 RB=270@0



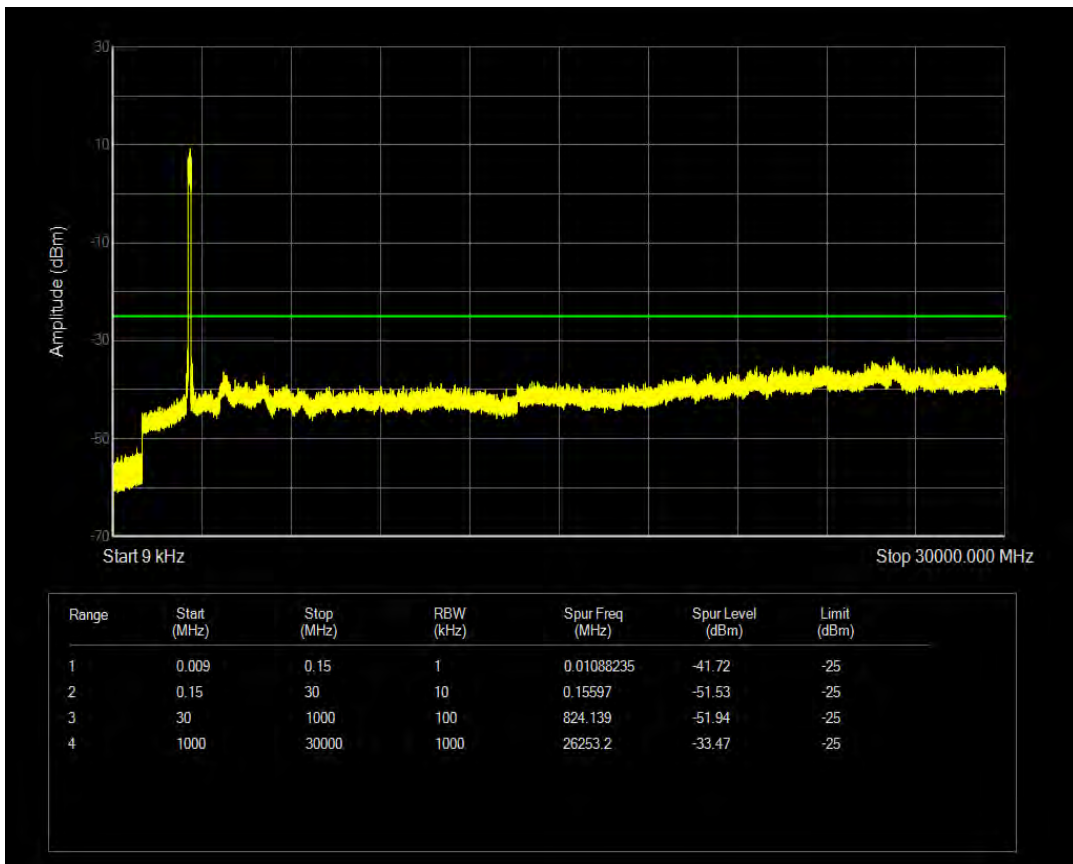
n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=509202 RB=1@0



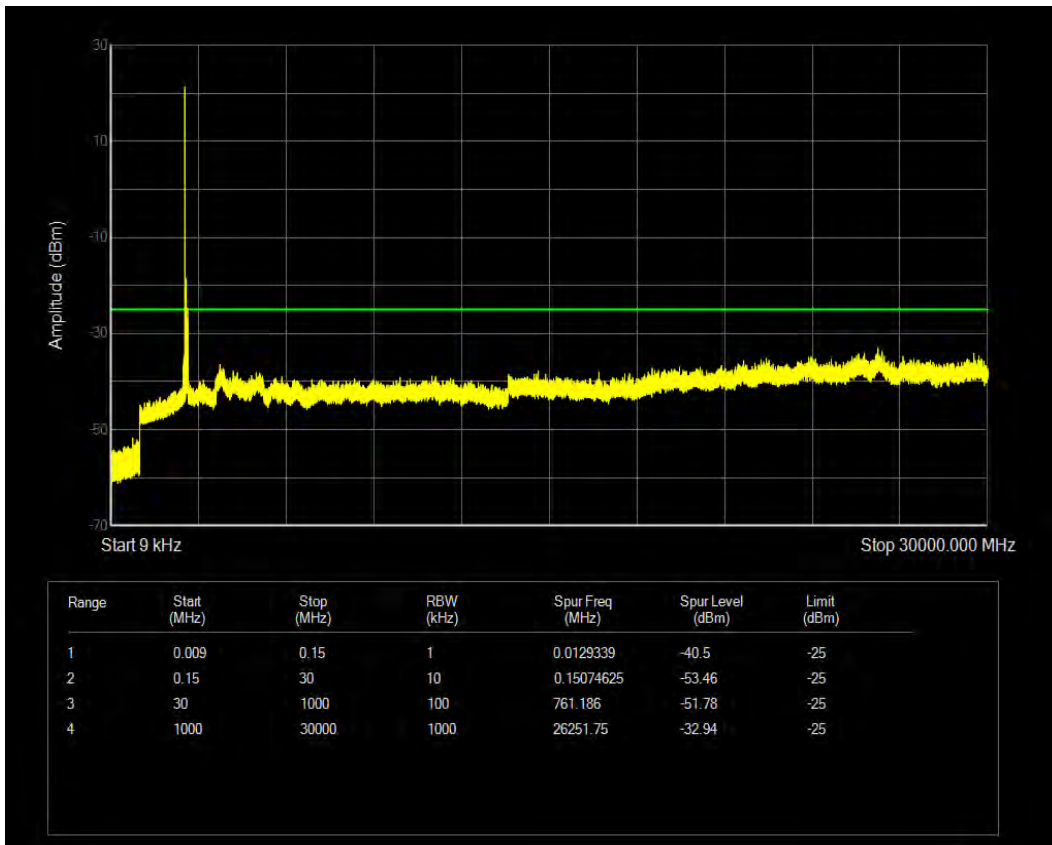
n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=509202 RB=1@272



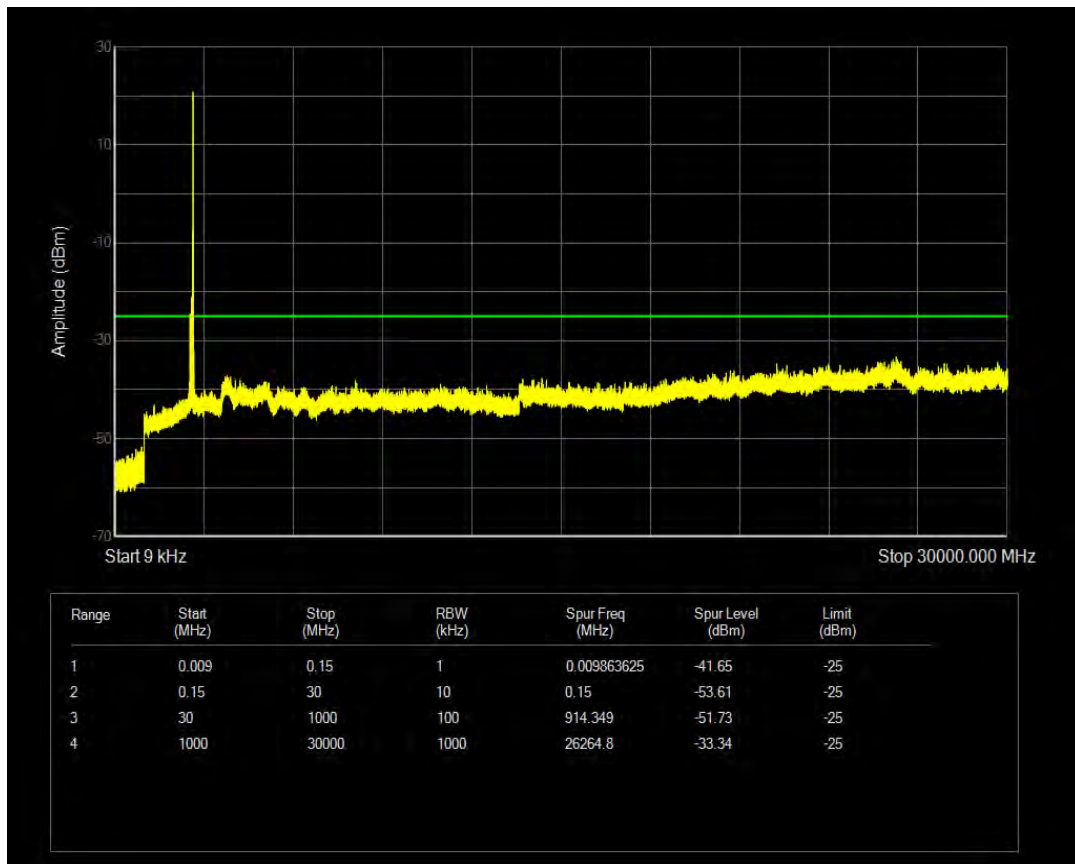
n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=518598 RB=270@0



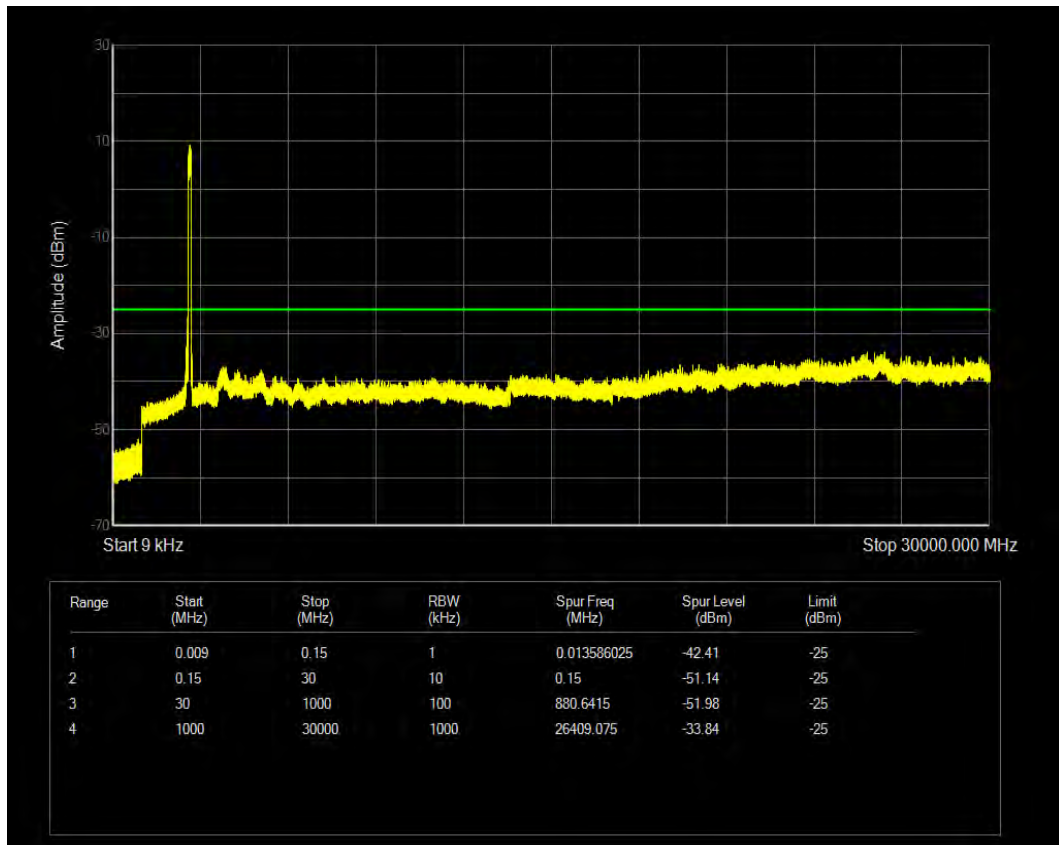
n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=518598 RB=1@0



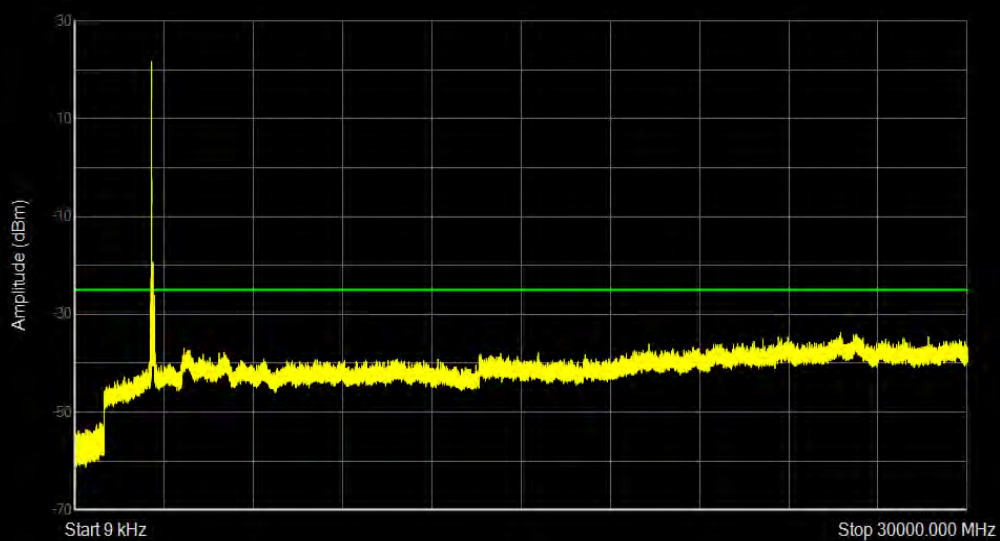
n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=518598 RB=1@272



n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=528000 RB=270@0

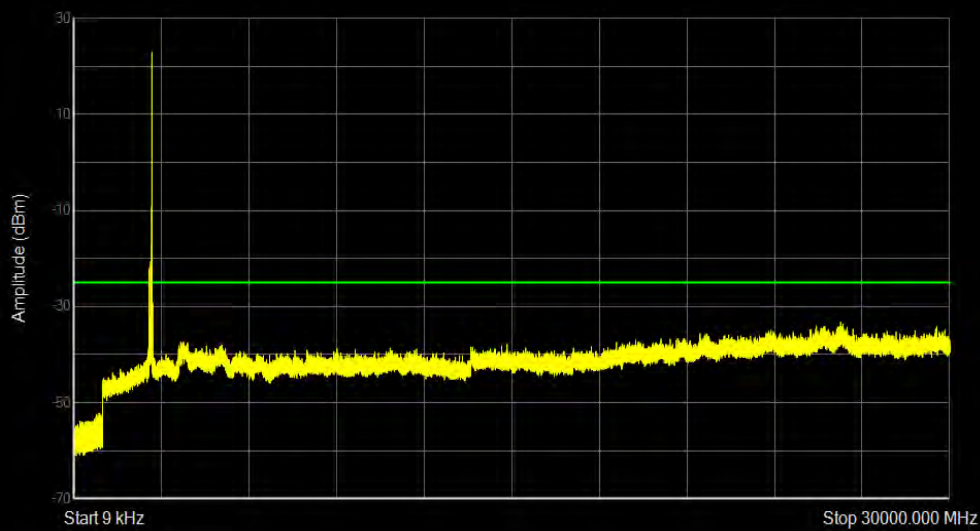


n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=528000 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009172725	-42.09	-25
2	0.15	30	10	0.1634325	-52.17	-25
3	30	1000	100	862.09025	-52.2	-25
4	1000	30000	1000	25747.15	-33.65	-25

n41 SCS=30kHz DFT_QPSK BW=100MHz Channel=528000 RB=1@272



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011626125	-42.85	-25
2	0.15	30	10	0.158955	-52.15	-25
3	30	1000	100	875.0155	-52.24	-25
4	1000	30000	1000	26266.25	-33.21	-25