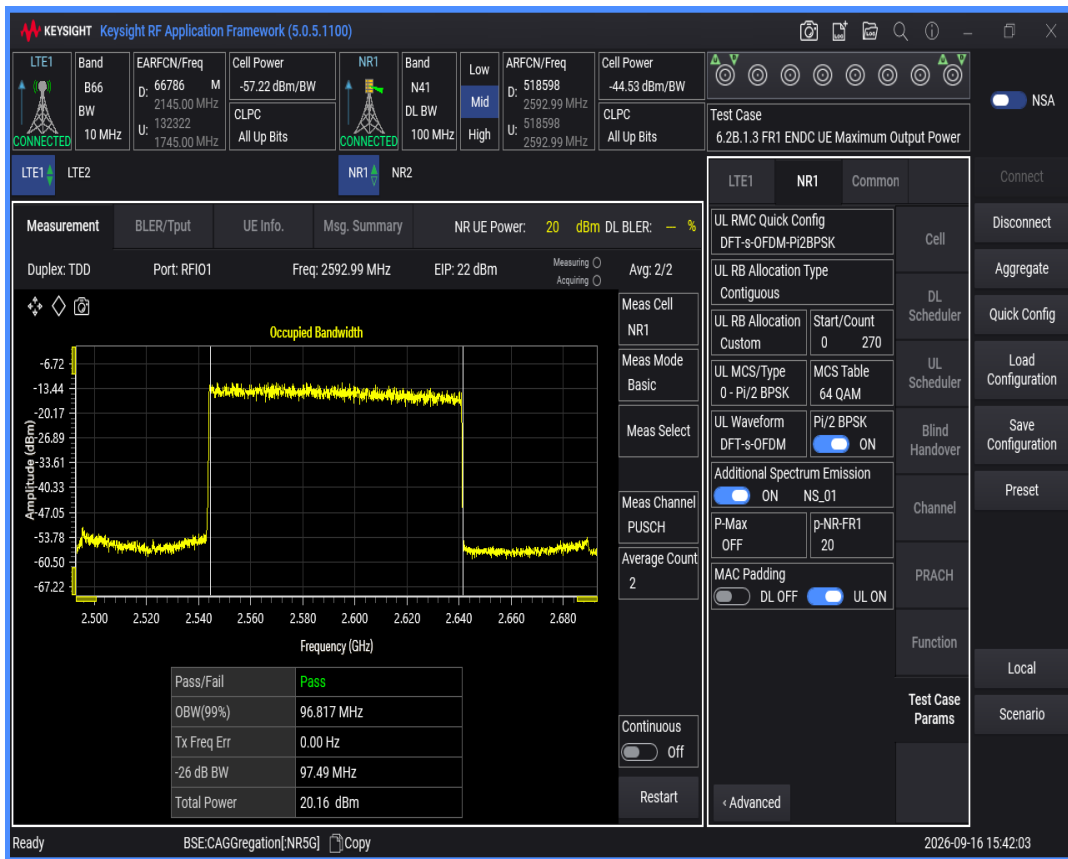


4 Occupied bandwidth for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n41	30	20	518598	50@0	DFT_BPSK	18.000	18.240	PASS
n41	30	20	518598	50@0	DFT_QPSK	17.990	18.190	PASS
n41	30	20	518598	50@0	DFT_QAM16	18.000	18.280	PASS
n41	30	20	518598	50@0	DFT_QAM64	18.060	18.290	PASS
n41	30	20	518598	50@0	DFT_QAM256	18.080	18.240	PASS
n41	30	40	518598	100@0	DFT_BPSK	37.520	36.320	PASS
n41	30	40	518598	100@0	DFT_QPSK	37.520	36.290	PASS
n41	30	40	518598	100@0	DFT_QAM16	37.550	36.320	PASS
n41	30	40	518598	100@0	DFT_QAM64	37.470	36.280	PASS
n41	30	40	518598	100@0	DFT_QAM256	37.460	36.240	PASS
n41	30	50	518598	128@0	DFT_BPSK	47.090	46.440	PASS
n41	30	50	518598	128@0	DFT_QPSK	47.080	46.420	PASS
n41	30	50	518598	128@0	DFT_QAM16	47.140	46.400	PASS
n41	30	50	518598	128@0	DFT_QAM64	46.950	46.440	PASS
n41	30	50	518598	128@0	DFT_QAM256	46.950	46.340	PASS
n41	30	60	518598	162@0	DFT_BPSK	57.780	58.610	PASS
n41	30	60	518598	162@0	DFT_QPSK	57.710	58.660	PASS
n41	30	60	518598	162@0	DFT_QAM16	57.760	58.610	PASS
n41	30	60	518598	162@0	DFT_QAM64	57.770	58.590	PASS
n41	30	60	518598	162@0	DFT_QAM256	57.700	58.670	PASS
n41	30	80	518598	216@0	DFT_BPSK	76.950	78.050	PASS
n41	30	80	518598	216@0	DFT_QPSK	77.050	78.010	PASS
n41	30	80	518598	216@0	DFT_QAM16	77.120	78.010	PASS
n41	30	80	518598	216@0	DFT_QAM64	77.140	78.060	PASS
n41	30	80	518598	216@0	DFT_QAM256	77.060	78.030	PASS
n41	30	90	518598	240@0	DFT_BPSK	86.660	86.660	PASS
n41	30	90	518598	240@0	DFT_QPSK	86.780	86.750	PASS
n41	30	90	518598	240@0	DFT_QAM16	86.540	86.720	PASS
n41	30	90	518598	240@0	DFT_QAM64	86.680	86.720	PASS
n41	30	90	518598	240@0	DFT_QAM256	86.780	86.760	PASS
n41	30	100	518598	270@0	DFT_BPSK	96.820	97.490	PASS
n41	30	100	518598	270@0	DFT_QPSK	96.680	97.460	PASS
n41	30	100	518598	270@0	DFT_QAM16	96.830	97.510	PASS
n41	30	100	518598	270@0	DFT_QAM64	96.700	97.490	PASS
n41	30	100	518598	270@0	DFT_QAM256	96.960	97.430	PASS

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



n41 SCS=30kHz DFT_BPSK BW=20MHz Channel=518598 RB=50@0



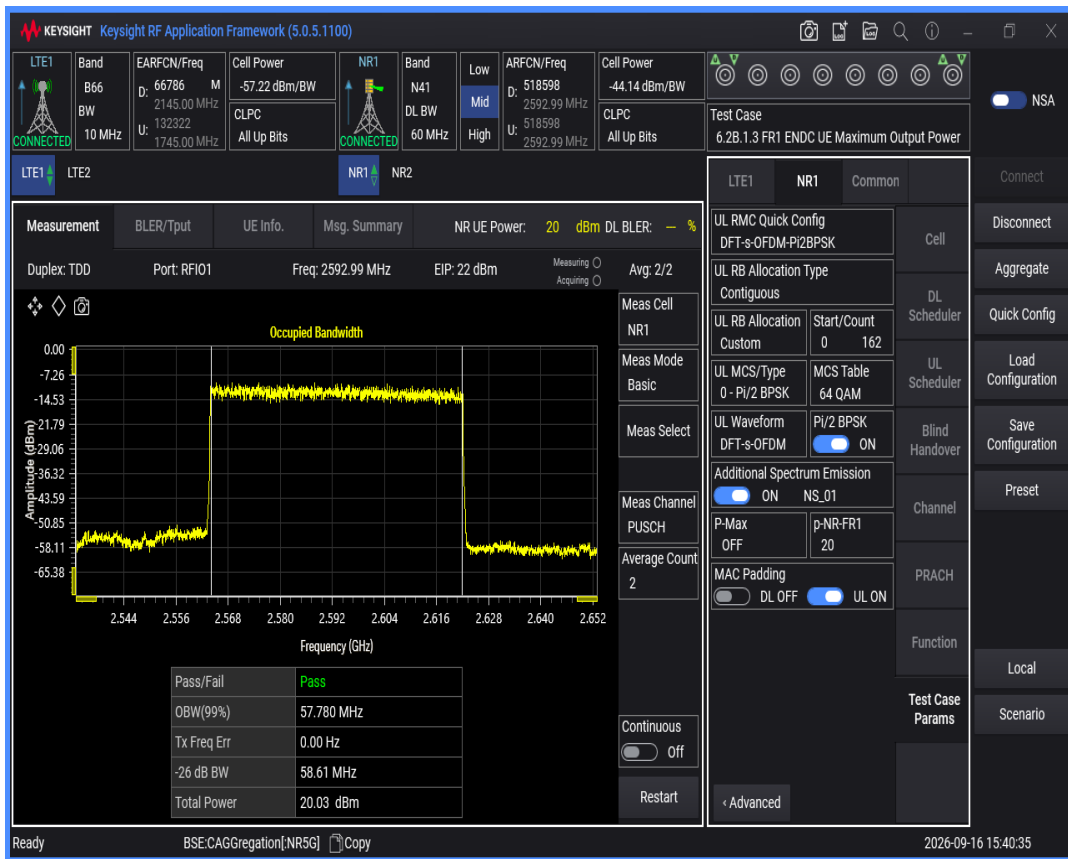
n41 SCS=30kHz DFT_BPSK BW=40MHz Channel=518598 RB=100@0



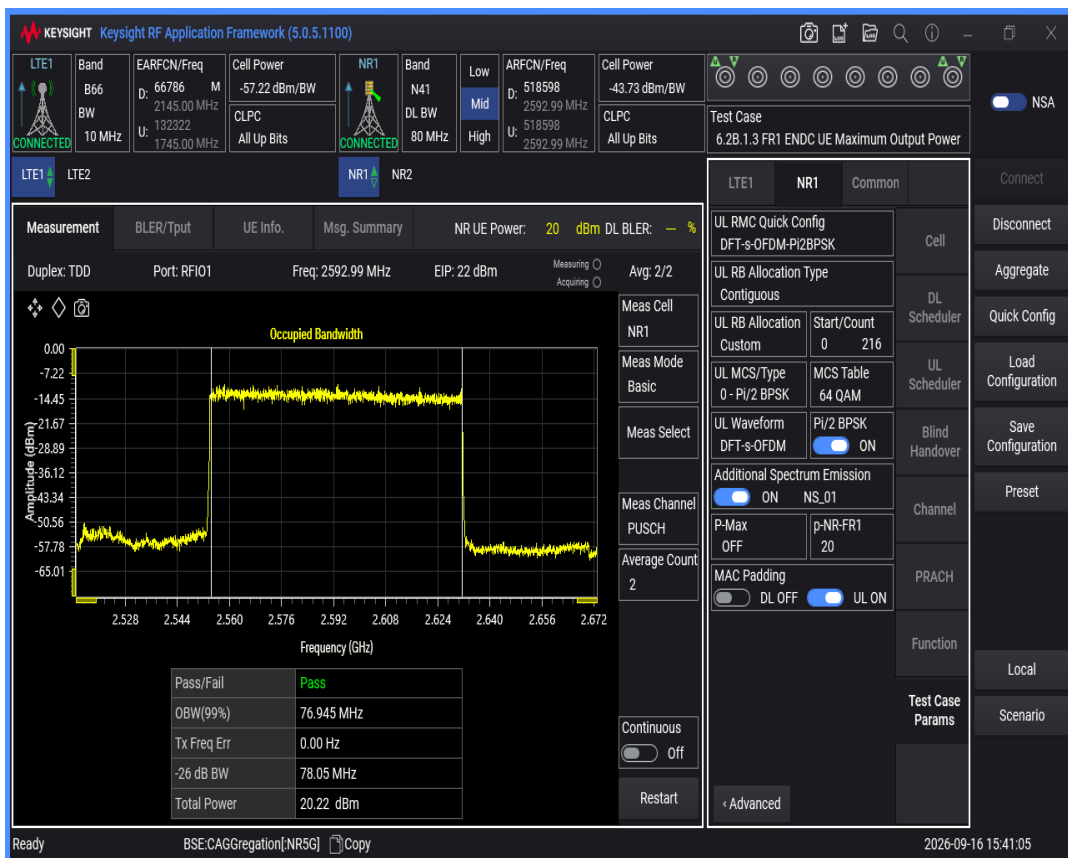
n41 SCS=30kHz DFT_BPSK BW=50MHz Channel=518598 RB=128@0



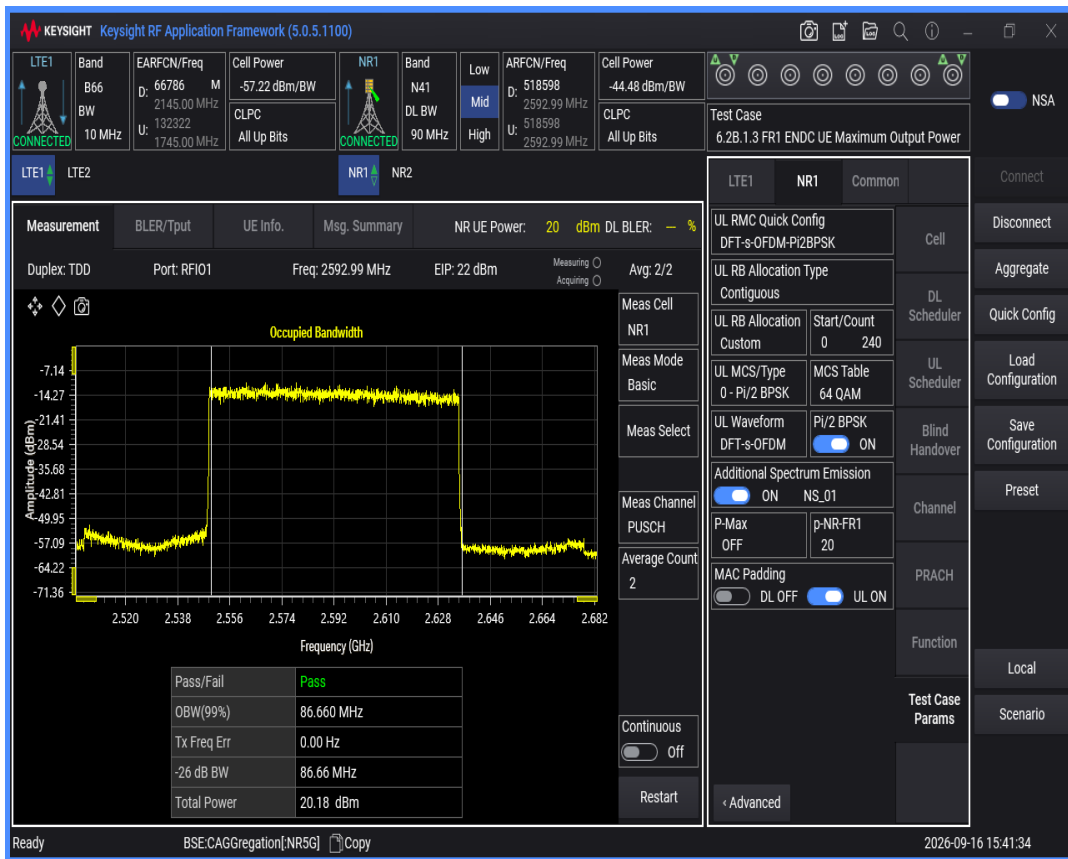
n41 SCS=30kHz DFT_BPSK BW=60MHz Channel=518598 RB=162@0



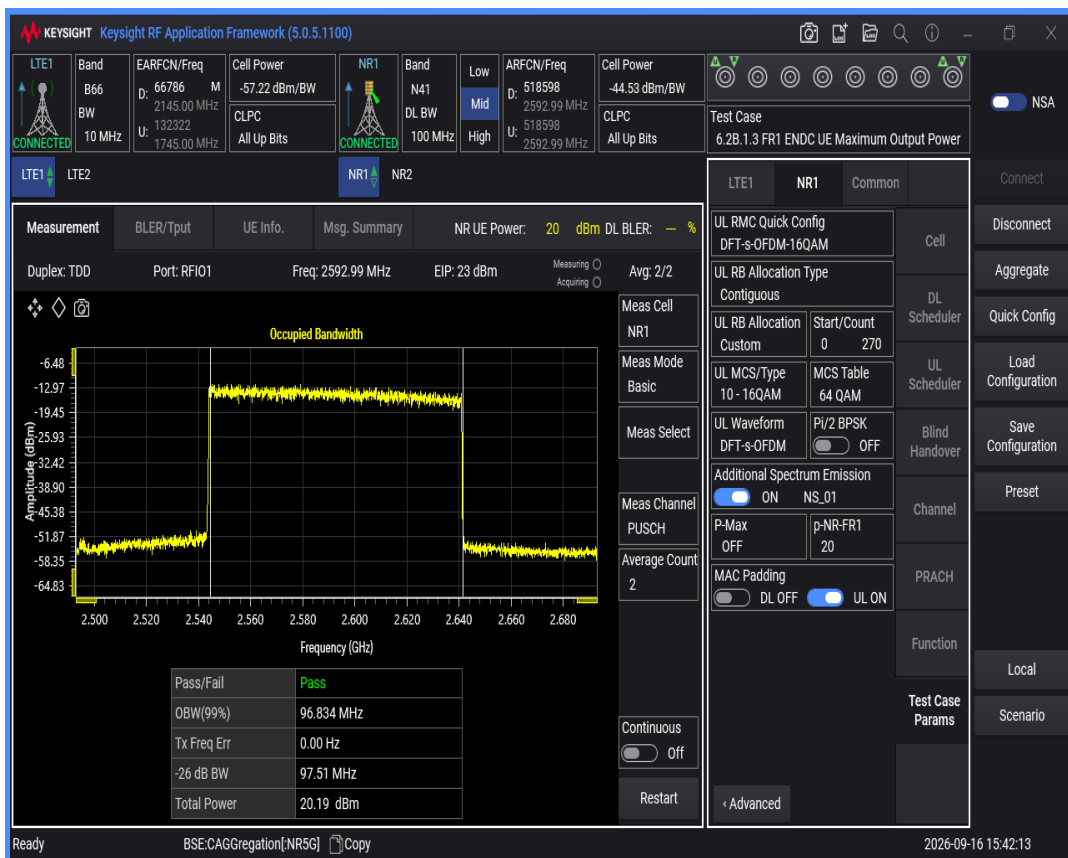
n41 SCS=30kHz DFT_BPSK BW=80MHz Channel=518598 RB=216@0



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



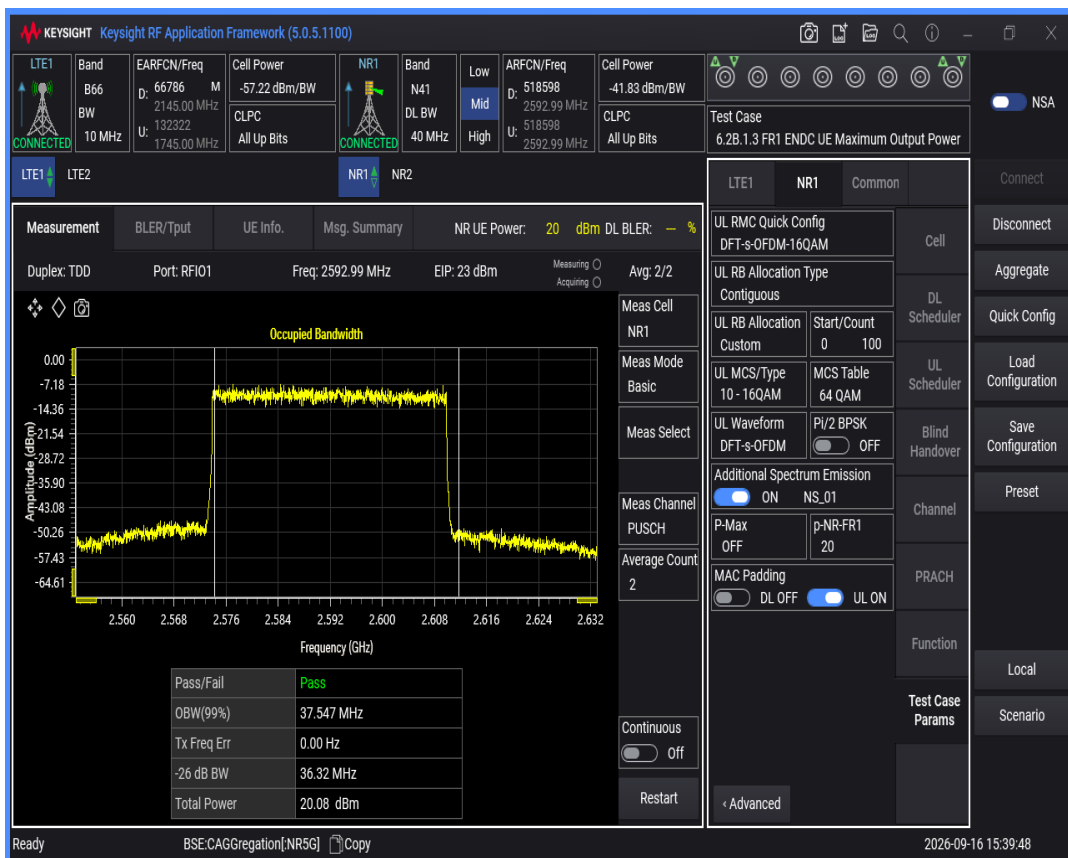
n41 SCS=30kHz DFT_QAM16 BW=100MHz Channel=518598 RB=270@0



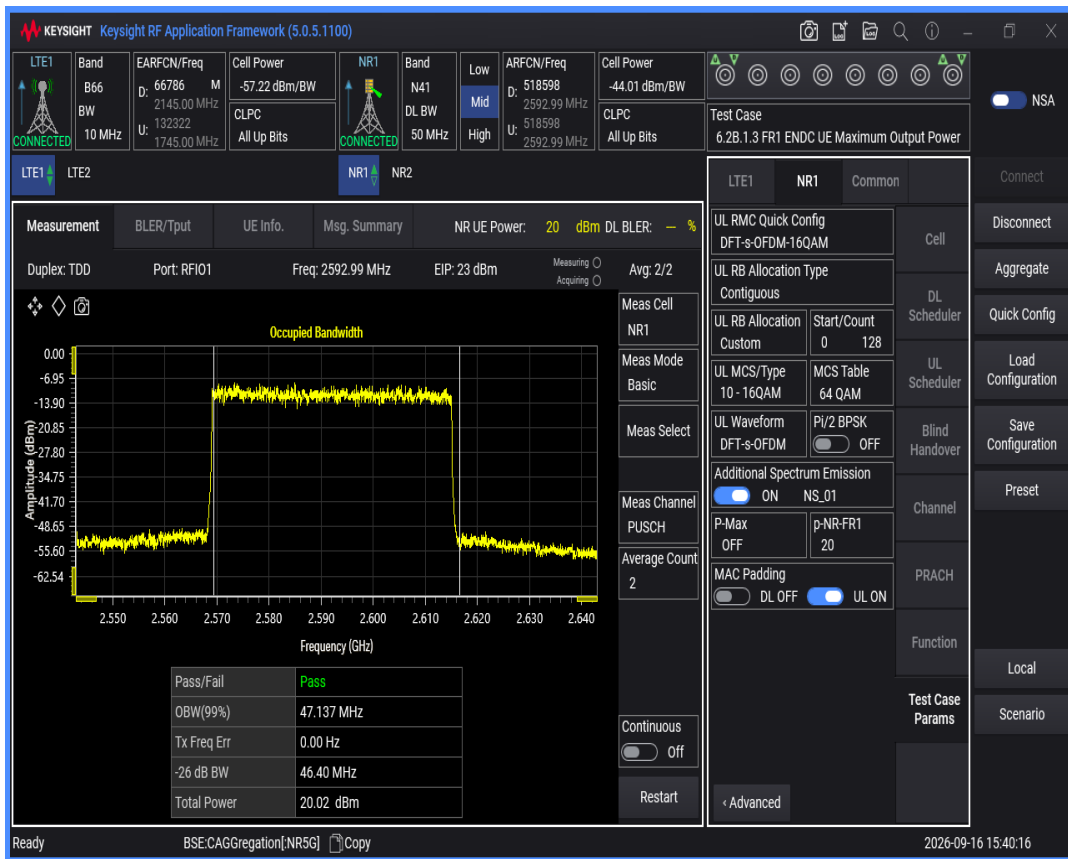
n41 SCS=30kHz DFT_QAM16 BW=20MHz Channel=518598 RB=50@0



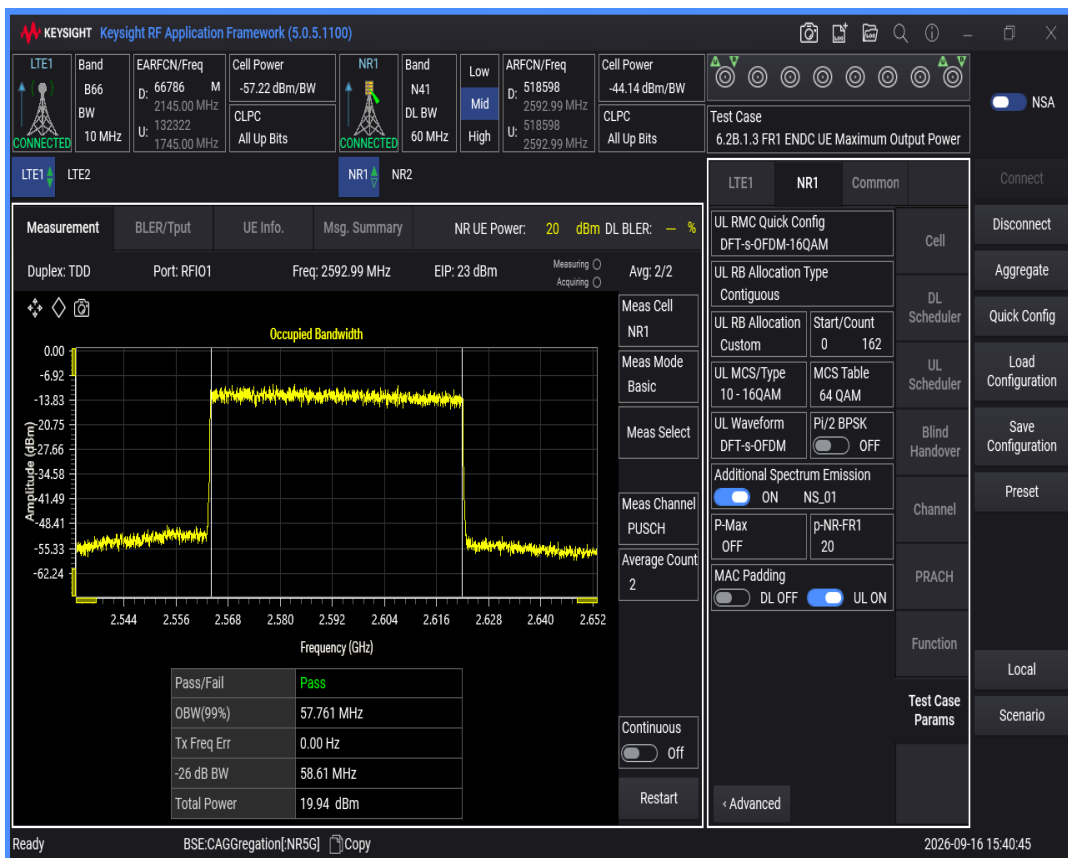
n41 SCS=30kHz DFT_QAM16 BW=40MHz Channel=518598 RB=100@0



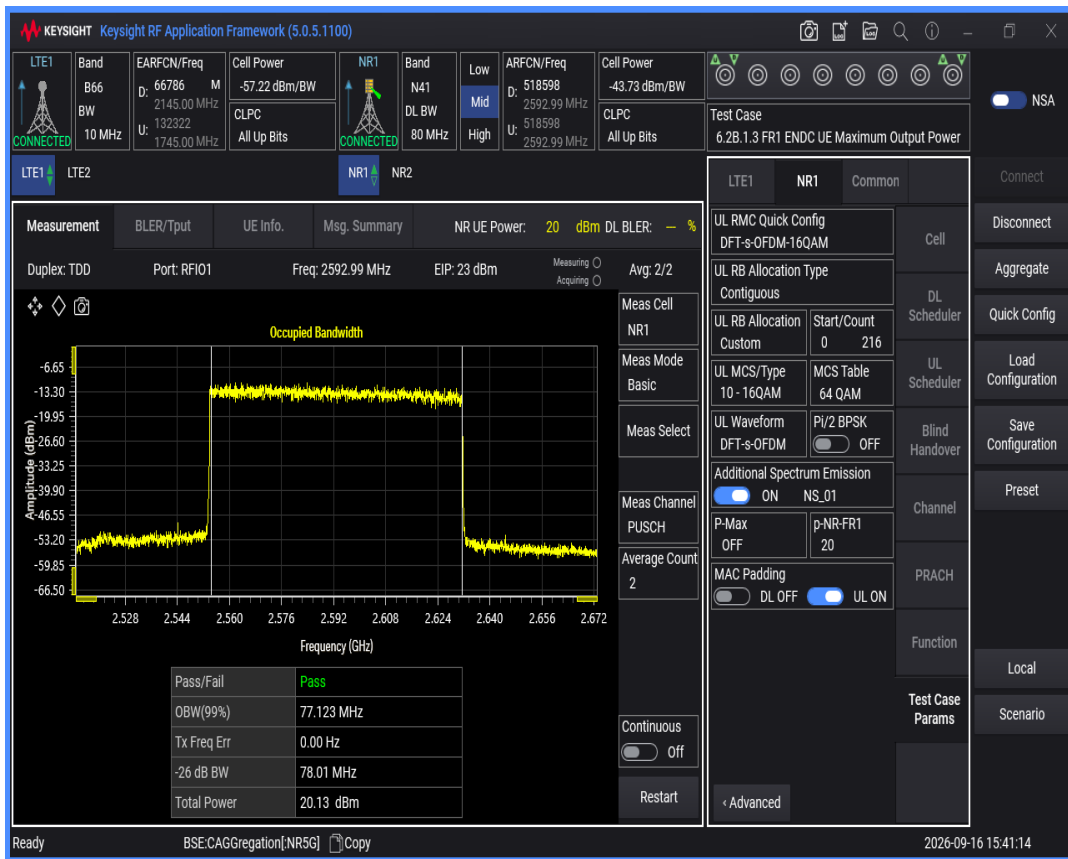
n41 SCS=30kHz DFT_QAM16 BW=50MHz Channel=518598 RB=128@0



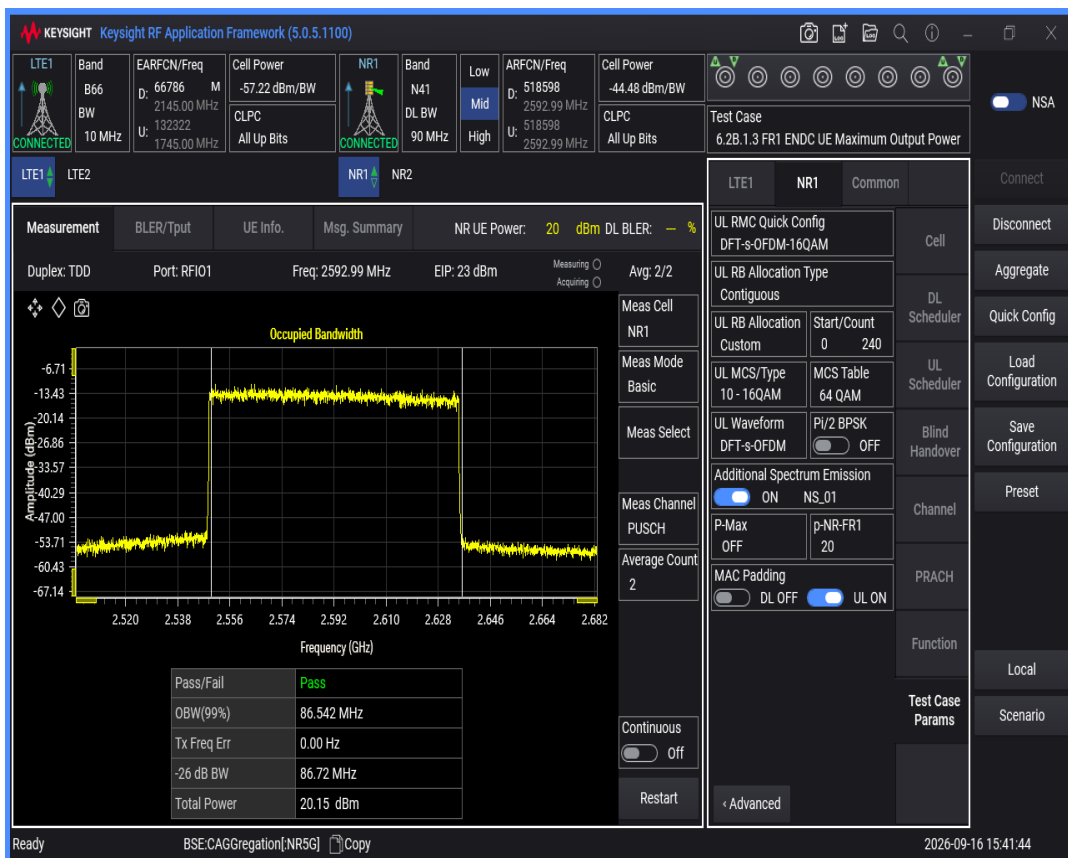
n41 SCS=30kHz DFT_QAM16 BW=60MHz Channel=518598 RB=162@0



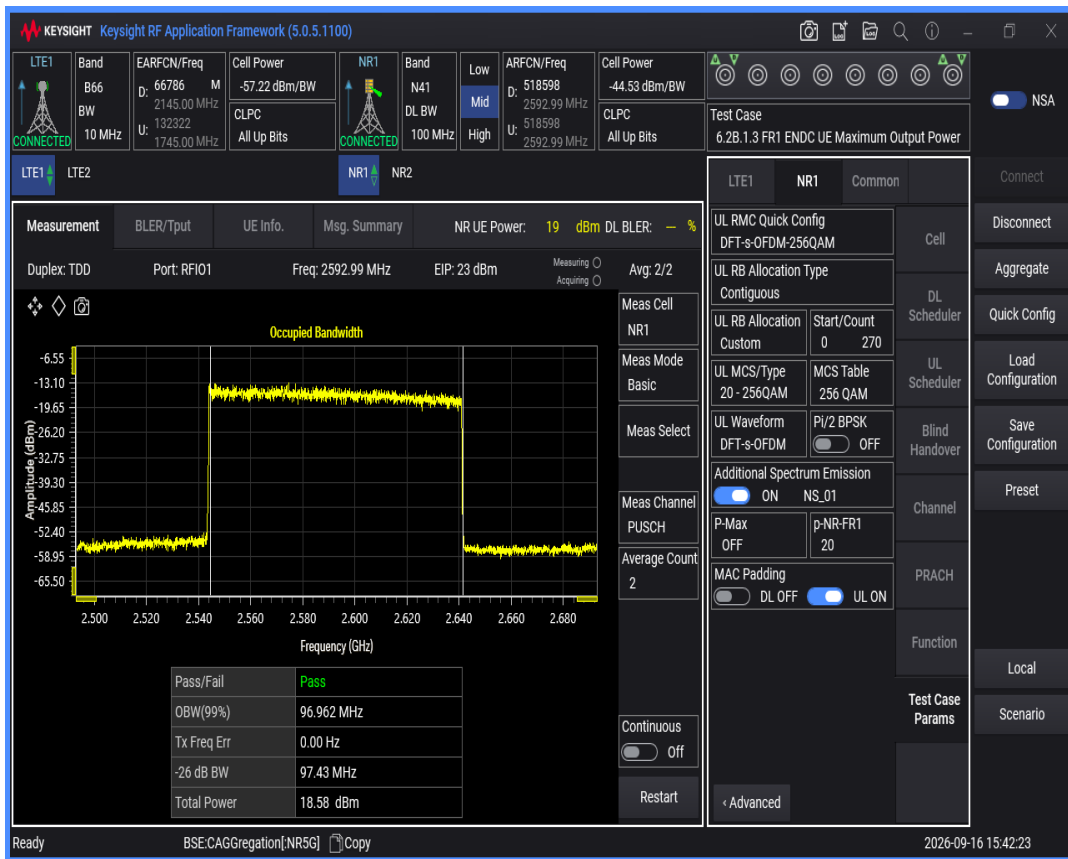
n41 SCS=30kHz DFT_QAM16 BW=80MHz Channel=518598 RB=216@0



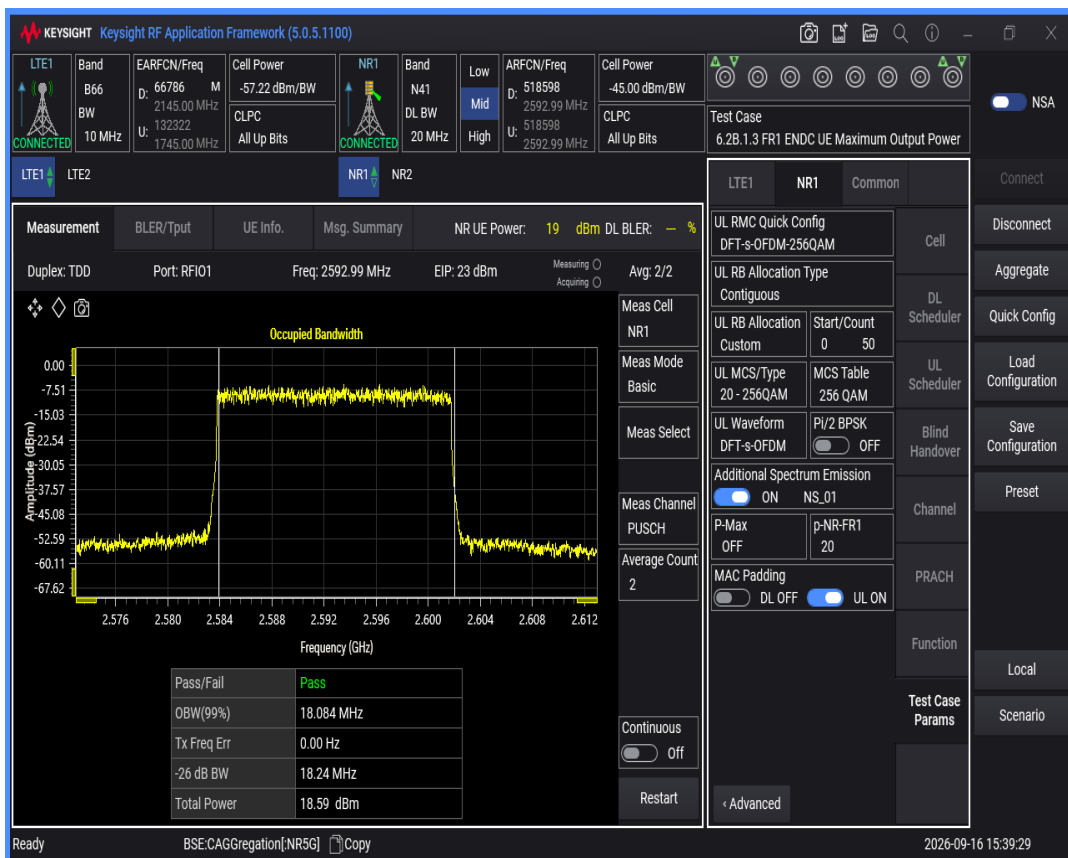
n41 SCS=30kHz DFT_QAM16 BW=90MHz Channel=518598 RB=240@0



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



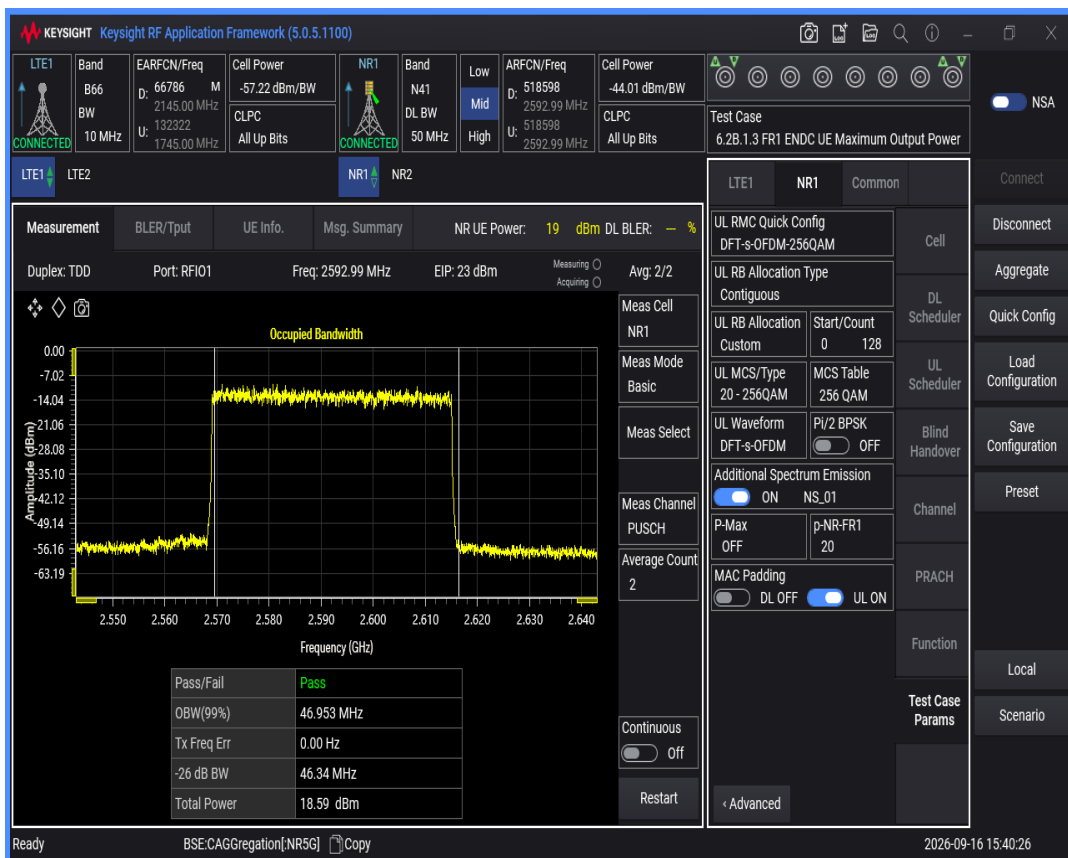
n41 SCS=30kHz DFT_QAM256 BW=20MHz Channel=518598 RB=50@0



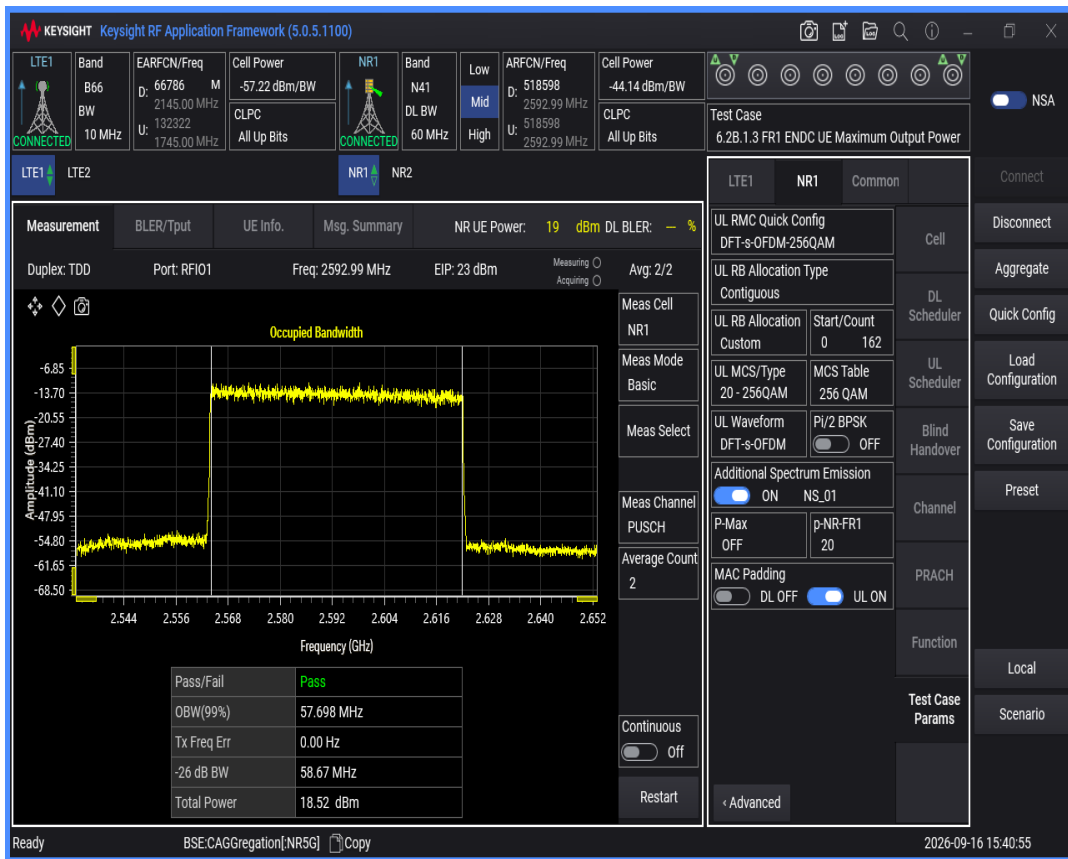
n41 SCS=30kHz DFT_QAM256 BW=40MHz Channel=518598 RB=100@0



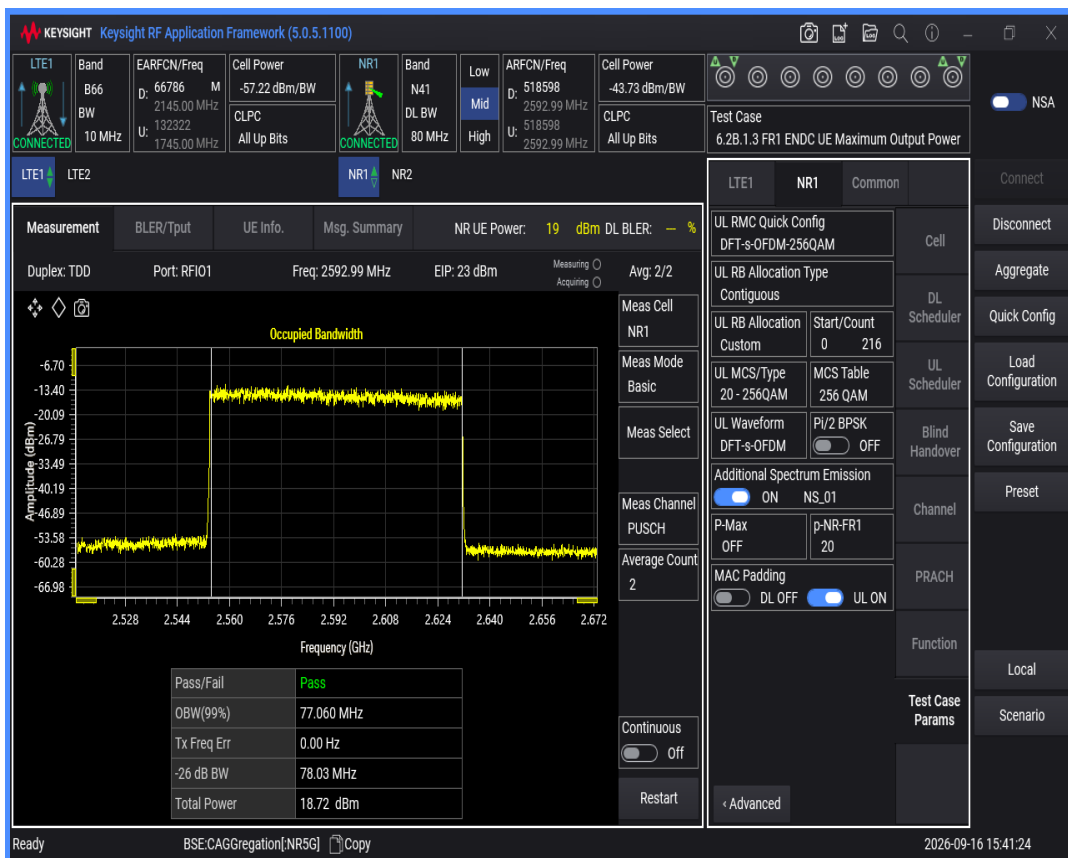
n41 SCS=30kHz DFT_QAM256 BW=50MHz Channel=518598 RB=128@0



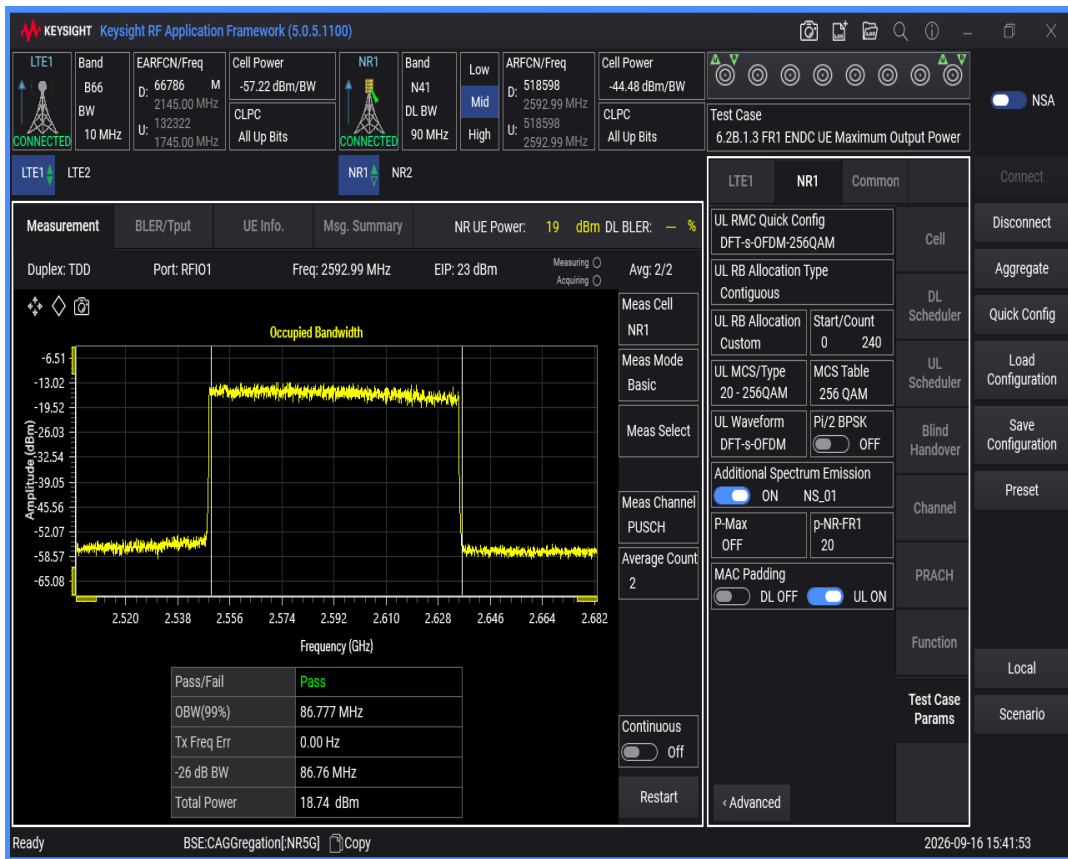
n41 SCS=30kHz DFT_QAM256 BW=60MHz Channel=518598 RB=162@0



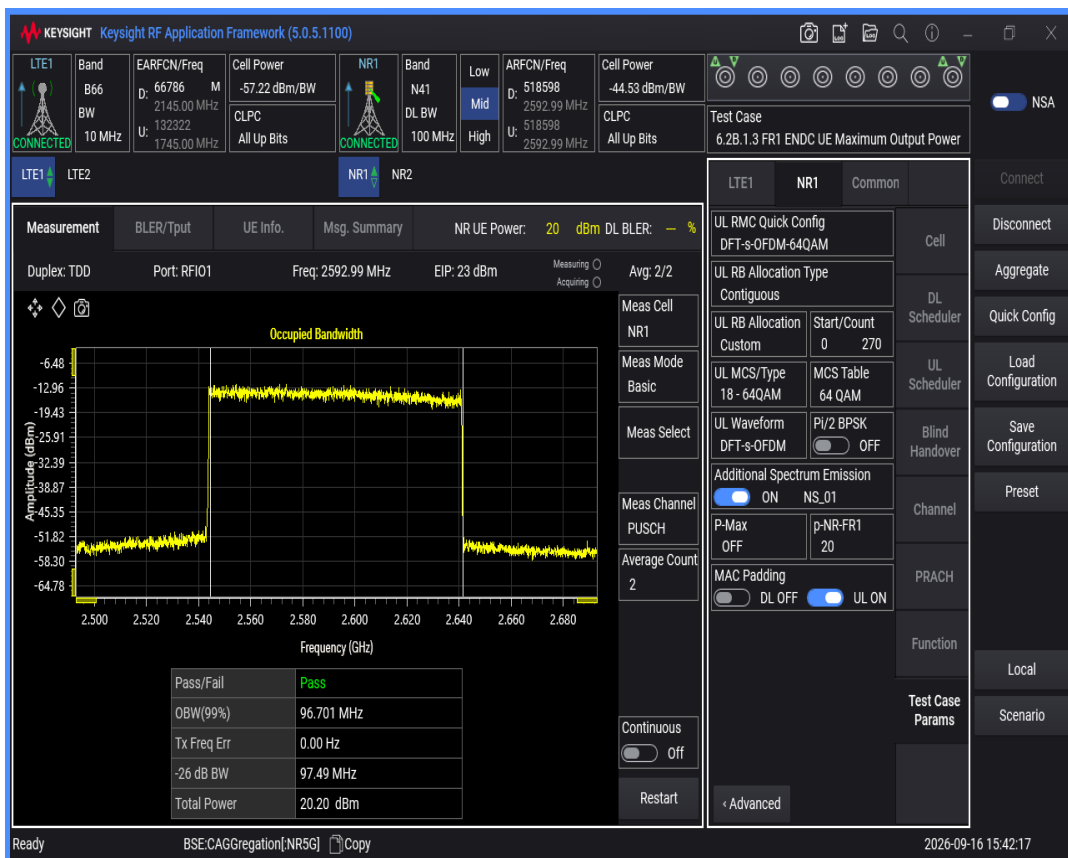
n41 SCS=30kHz DFT_QAM256 BW=80MHz Channel=518598 RB=216@0



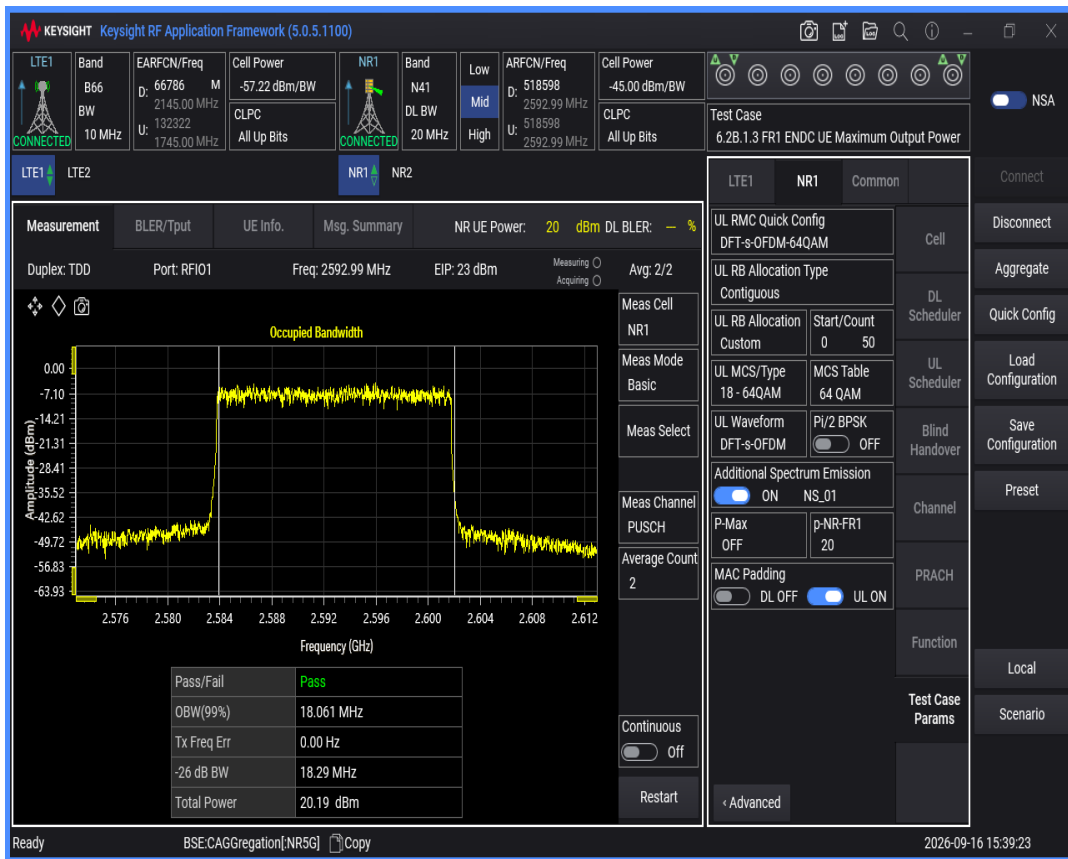
n41 SCS=30kHz DFT_QAM256 BW=90MHz Channel=518598 RB=240@0



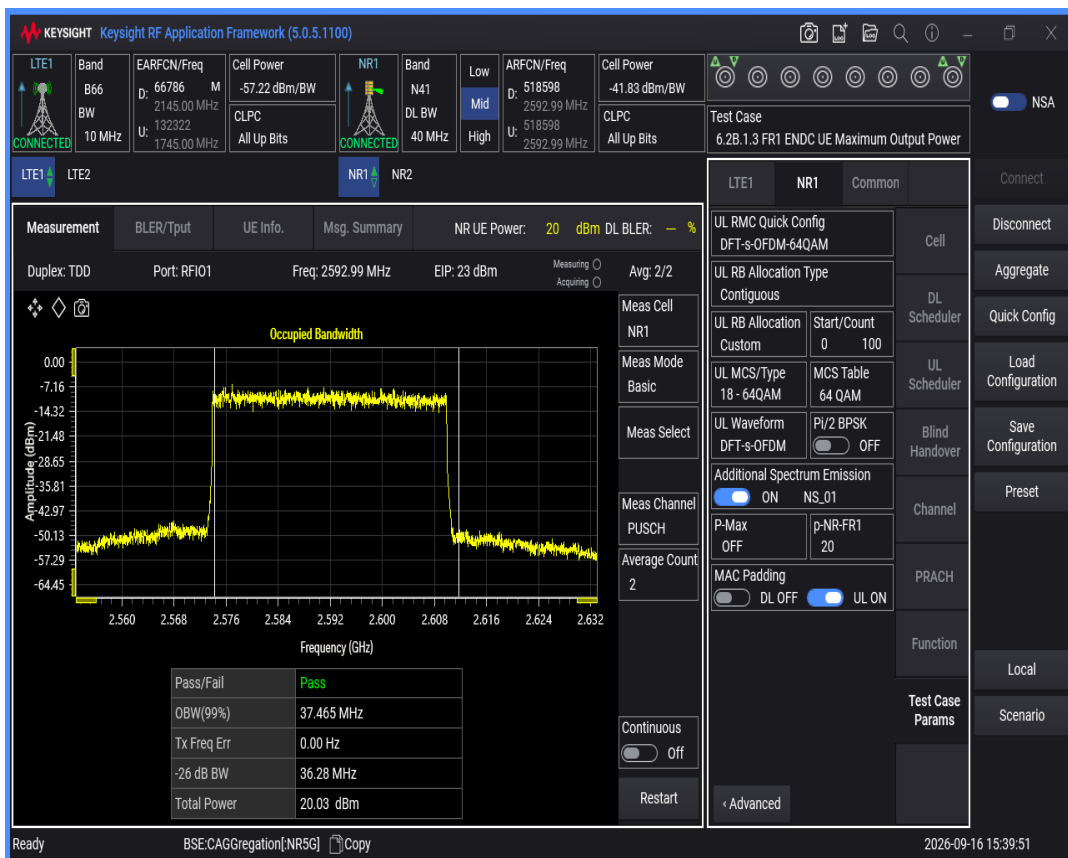
n41 SCS=30kHz DFT_QAM64 BW=100MHz Channel=518598 RB=270@0



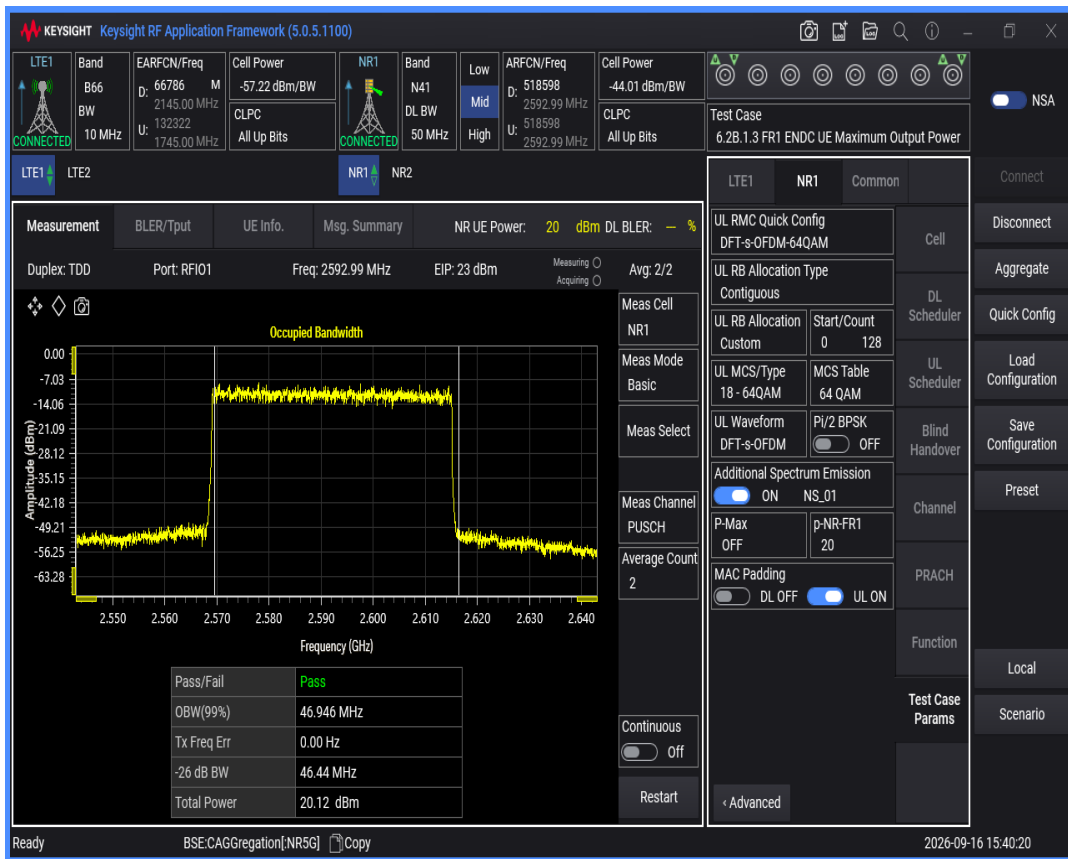
n41 SCS=30kHz DFT_QAM64 BW=20MHz Channel=518598 RB=50@0



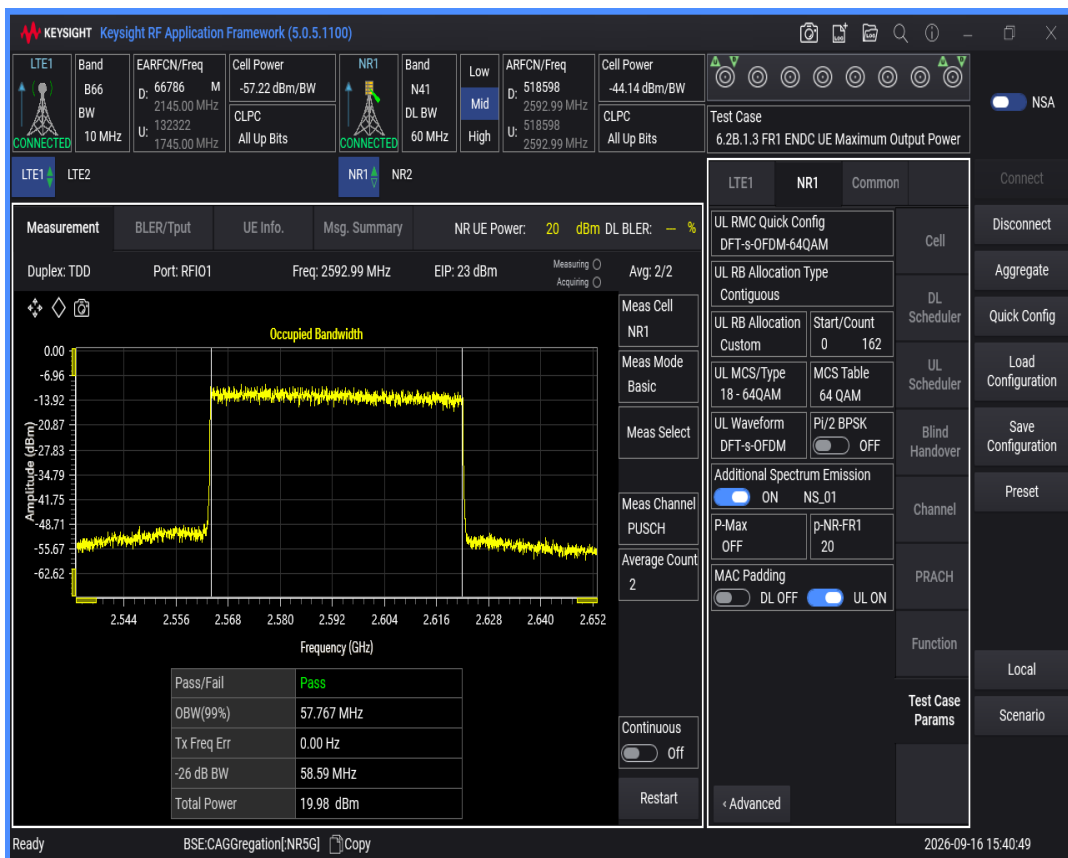
n41 SCS=30kHz DFT_QAM64 BW=40MHz Channel=518598 RB=100@0



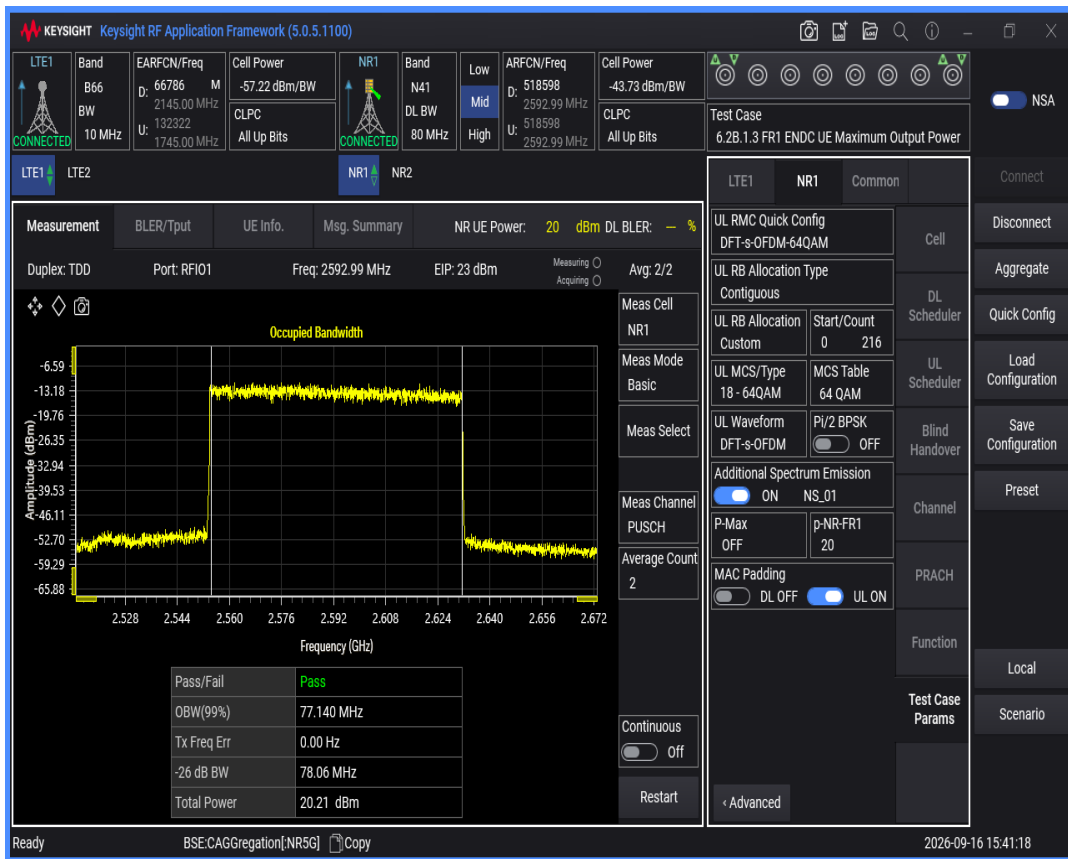
n41 SCS=30kHz DFT_QAM64 BW=50MHz Channel=518598 RB=128@0



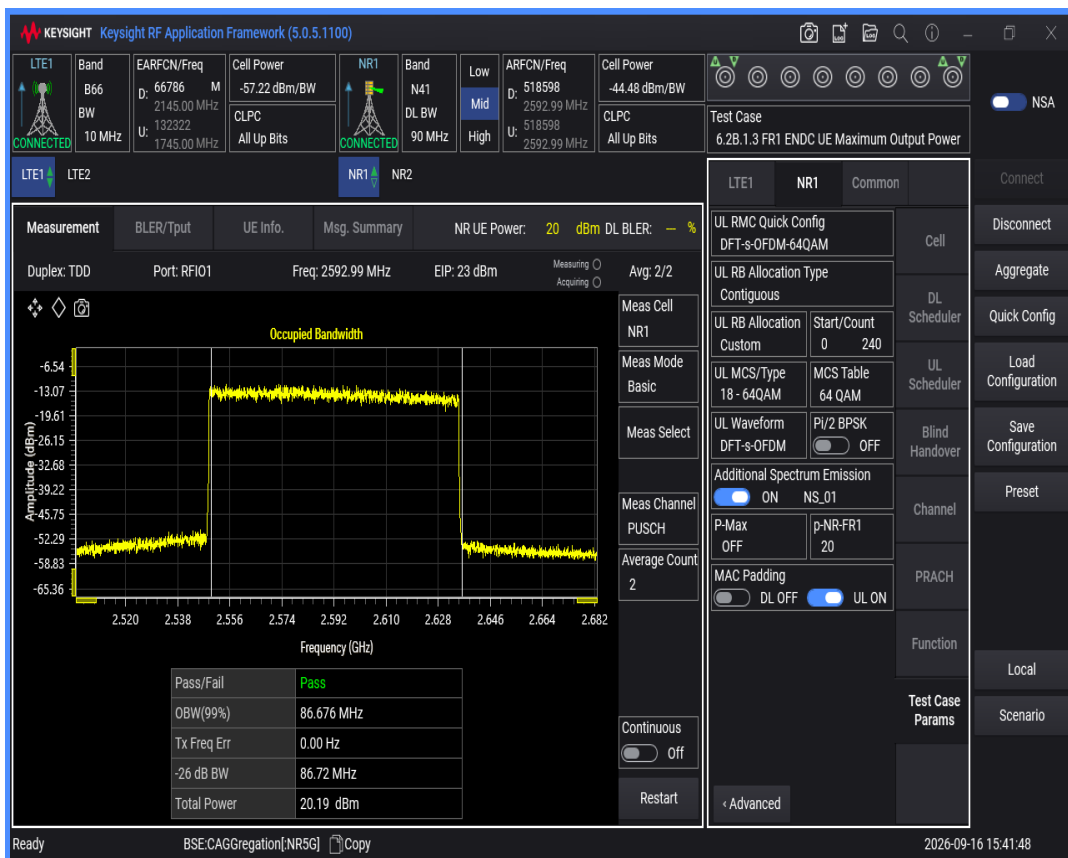
n41 SCS=30kHz DFT_QAM64 BW=60MHz Channel=518598 RB=162@0



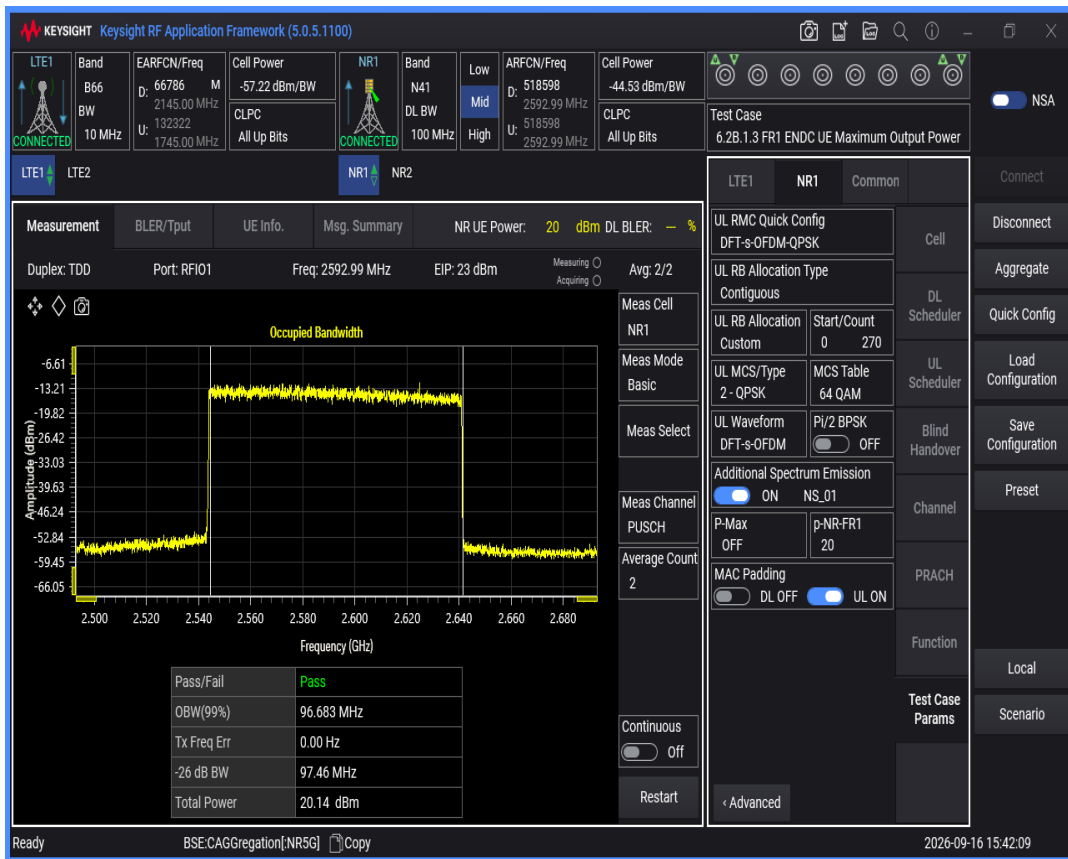
n41 SCS=30kHz DFT_QAM64 BW=80MHz Channel=518598 RB=216@0



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



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



n41 SCS=30kHz DFT_QPSK BW=20MHz Channel=518598 RB=50@0



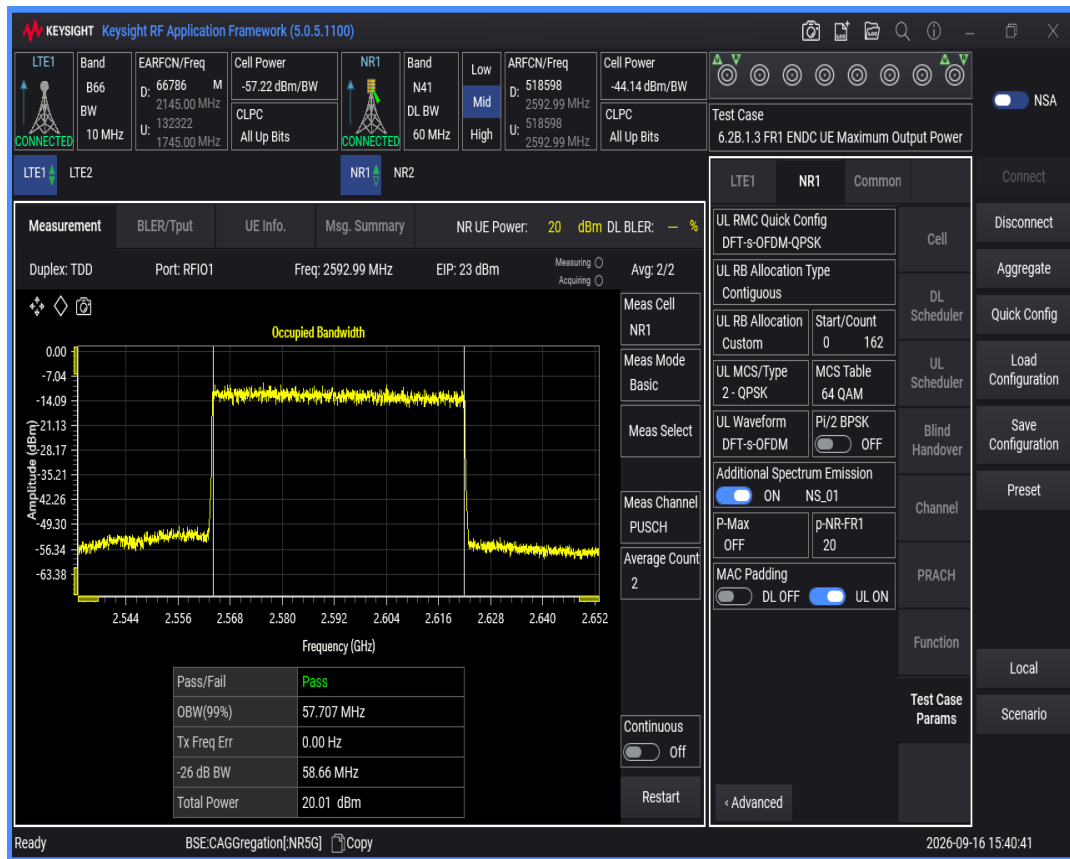
n41 SCS=30kHz DFT_QPSK BW=40MHz Channel=518598 RB=100@0



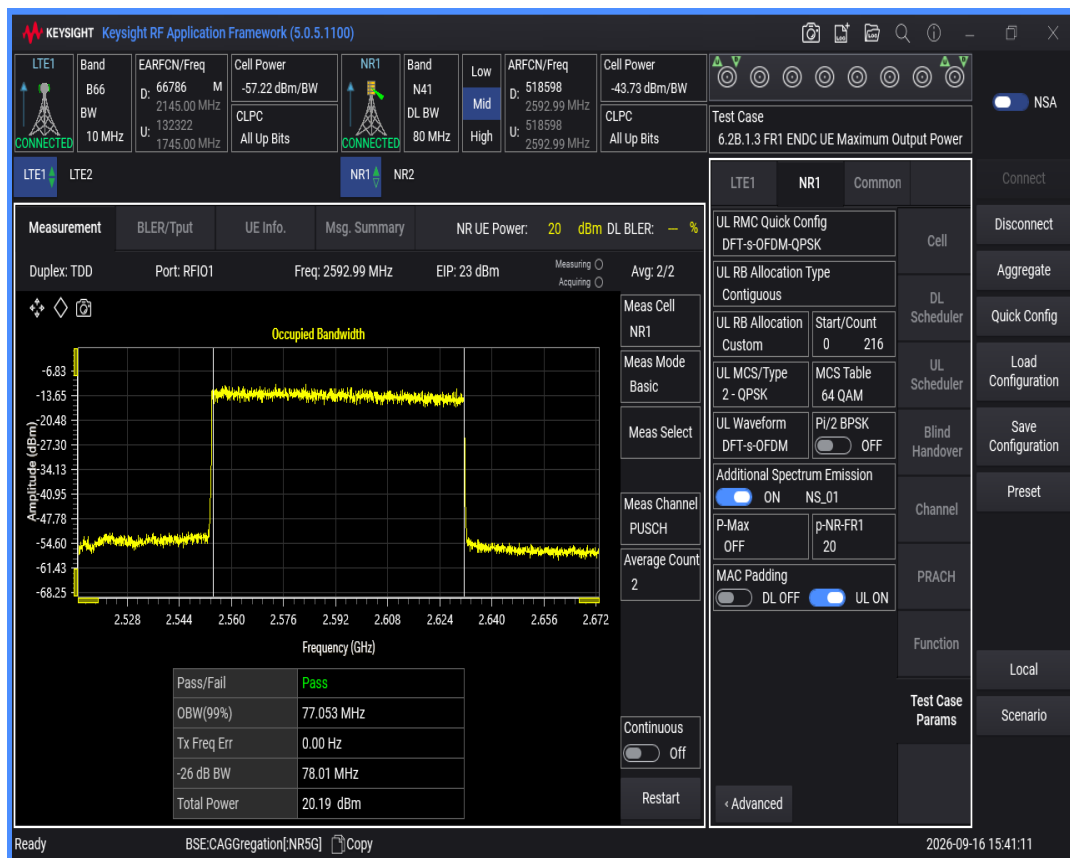
n41 SCS=30kHz DFT_QPSK BW=50MHz Channel=518598 RB=128@0



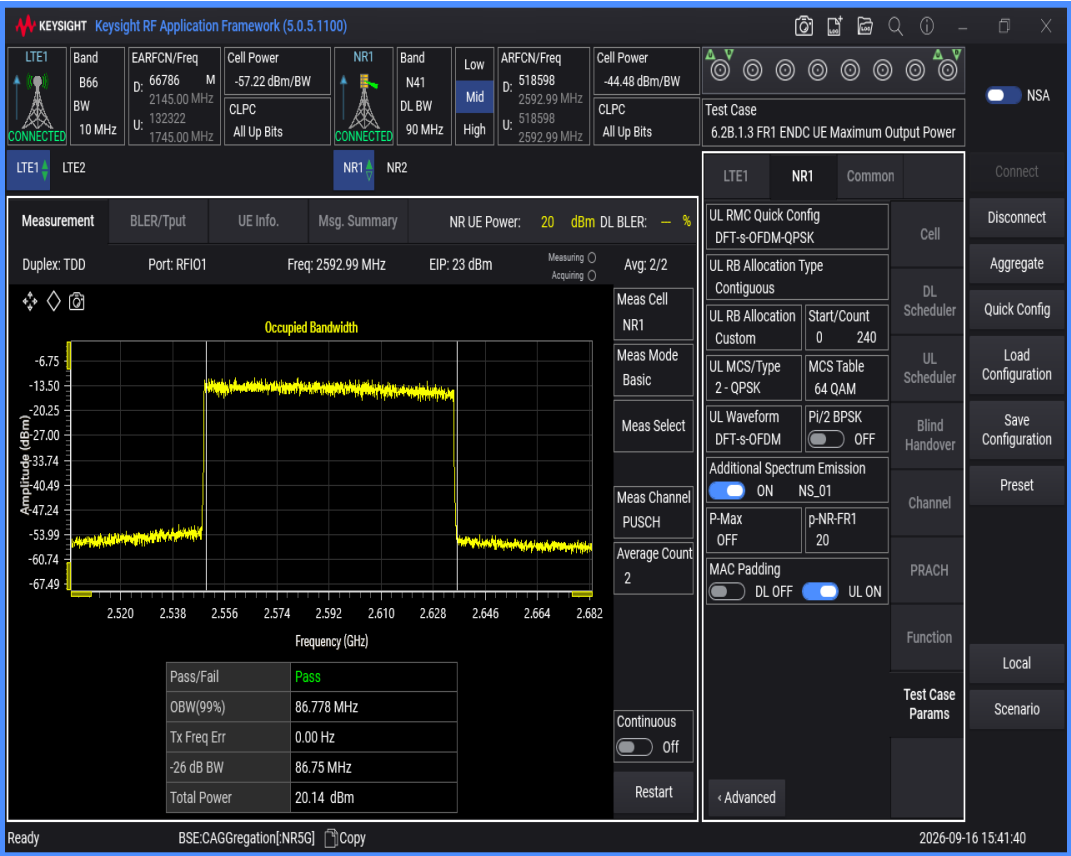
n41 SCS=30kHz DFT_QPSK BW=60MHz Channel=518598 RB=162@0



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



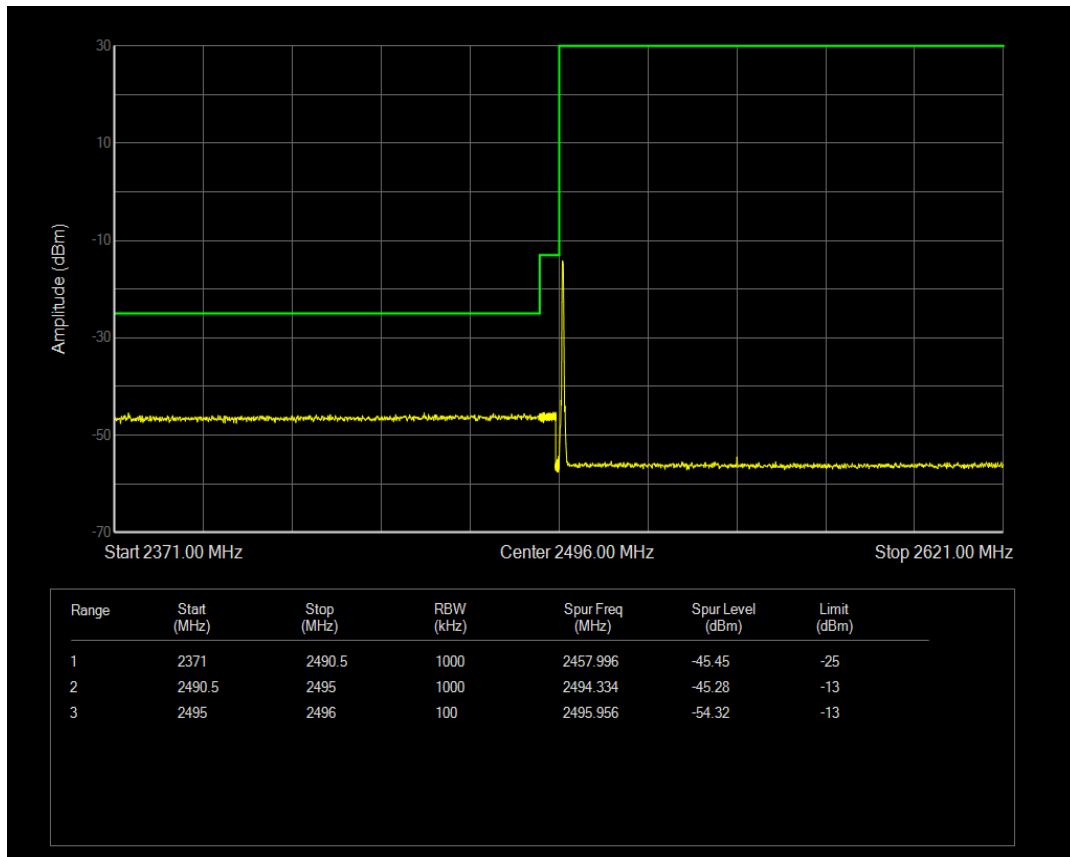
n41 SCS=30kHz DFT_QPSK BW=90MHz Channel=518598 RB=240@0



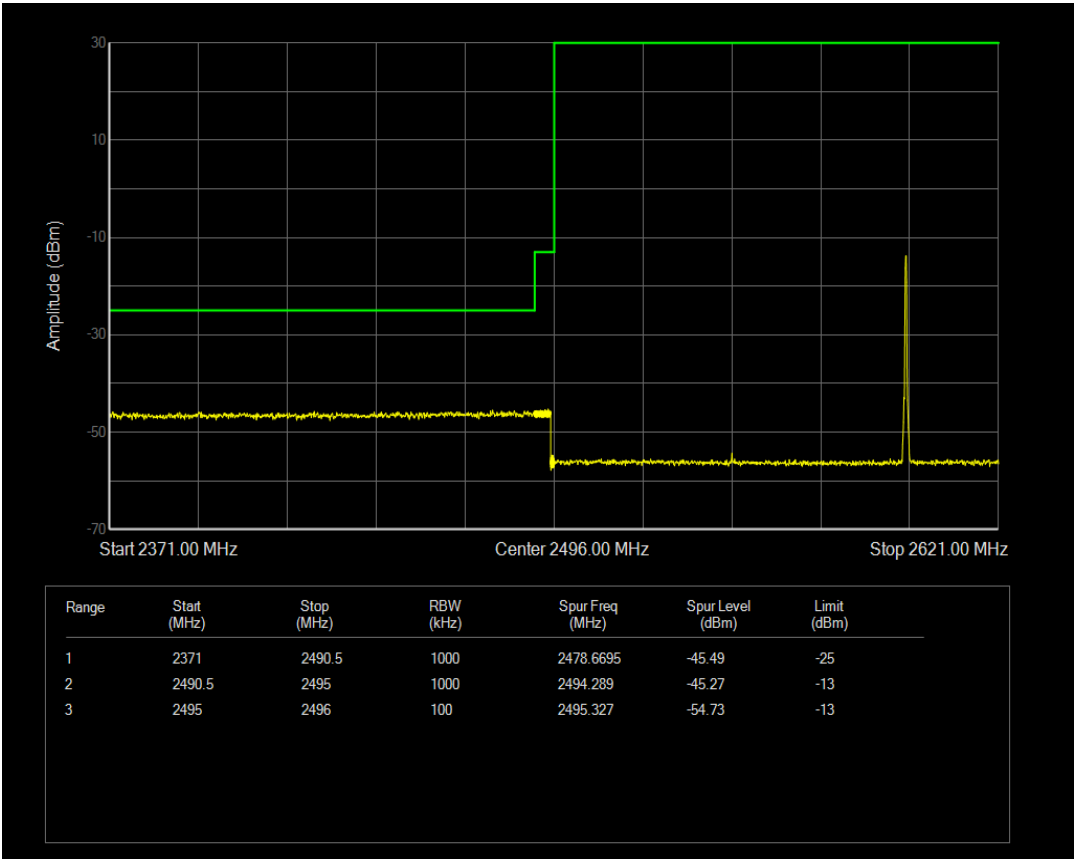
5 Band edge for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n41	30	20	501204	51@0	CP_QPSK	2490.48	-44.82	-25	PASS
n41	30	20	501204	1@0	CP_QPSK	2471.64	-45.51	-25	PASS
n41	30	20	501204	1@50	CP_QPSK	2486.80	-45.45	-25	PASS
n41	30	20	535998	51@0	CP_QPSK	2711.08	-45.37	-25	PASS
n41	30	20	535998	1@0	CP_QPSK	2710.18	-45.32	-25	PASS
n41	30	20	535998	1@50	CP_QPSK	2712.73	-45.44	-25	PASS
n41	30	50	504204	133@0	CP_QPSK	2464.96	-45.38	-25	PASS
n41	30	50	504204	1@0	CP_QPSK	2449.69	-45.67	-25	PASS
n41	30	50	504204	1@132	CP_QPSK	2484.00	-45.54	-25	PASS
n41	30	50	532998	133@0	CP_QPSK	2744.31	-45.41	-25	PASS
n41	30	50	532998	1@0	CP_QPSK	2741.44	-45.33	-25	PASS
n41	30	50	532998	1@132	CP_QPSK	2746.06	-45.50	-25	PASS
n41	30	100	509202	273@0	CP_QPSK	2466.96	-45.67	-25	PASS
n41	30	100	509202	1@0	CP_QPSK	2458.00	-45.45	-25	PASS
n41	30	100	509202	1@272	CP_QPSK	2478.67	-45.49	-25	PASS
n41	30	100	528000	273@0	CP_QPSK	2790.85	-45.60	-25	PASS
n41	30	100	528000	1@0	CP_QPSK	2806.53	-45.37	-25	PASS
n41	30	100	528000	1@272	CP_QPSK	2793.30	-45.54	-25	PASS

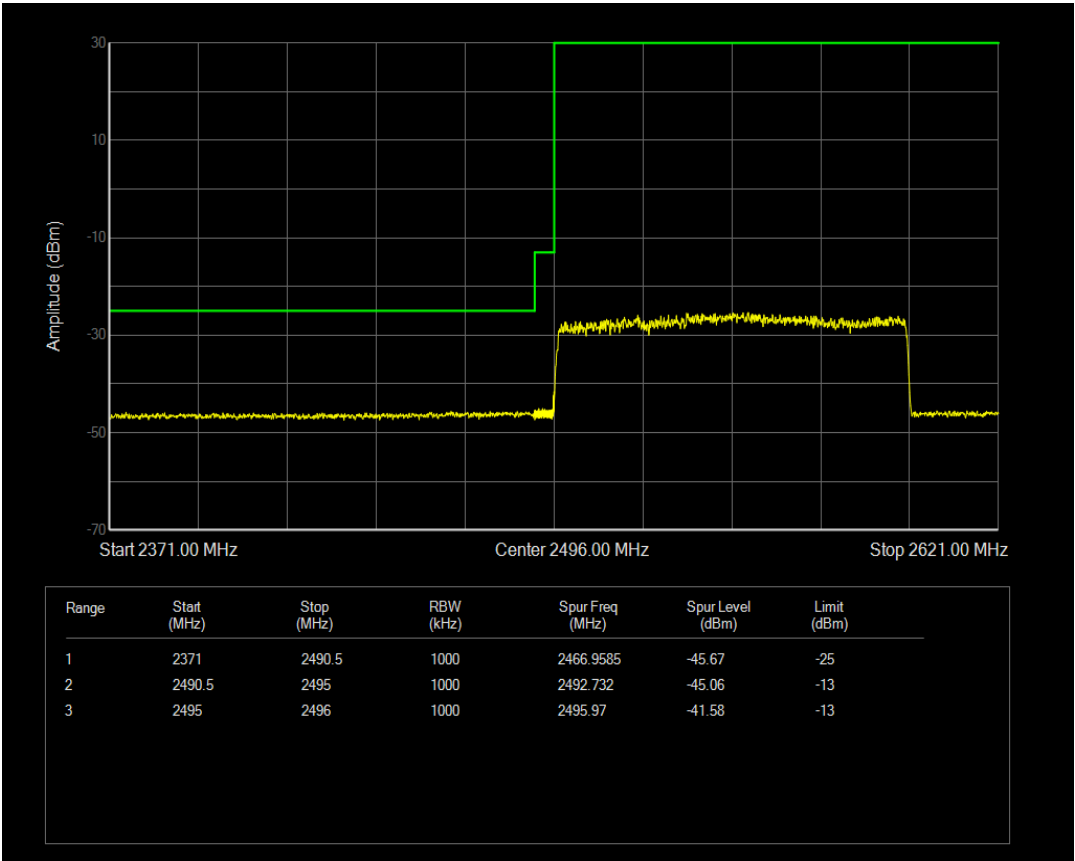
n41 SCS=30kHz CP_QPSK BW=100MHz Channel=509202 RB=1@0



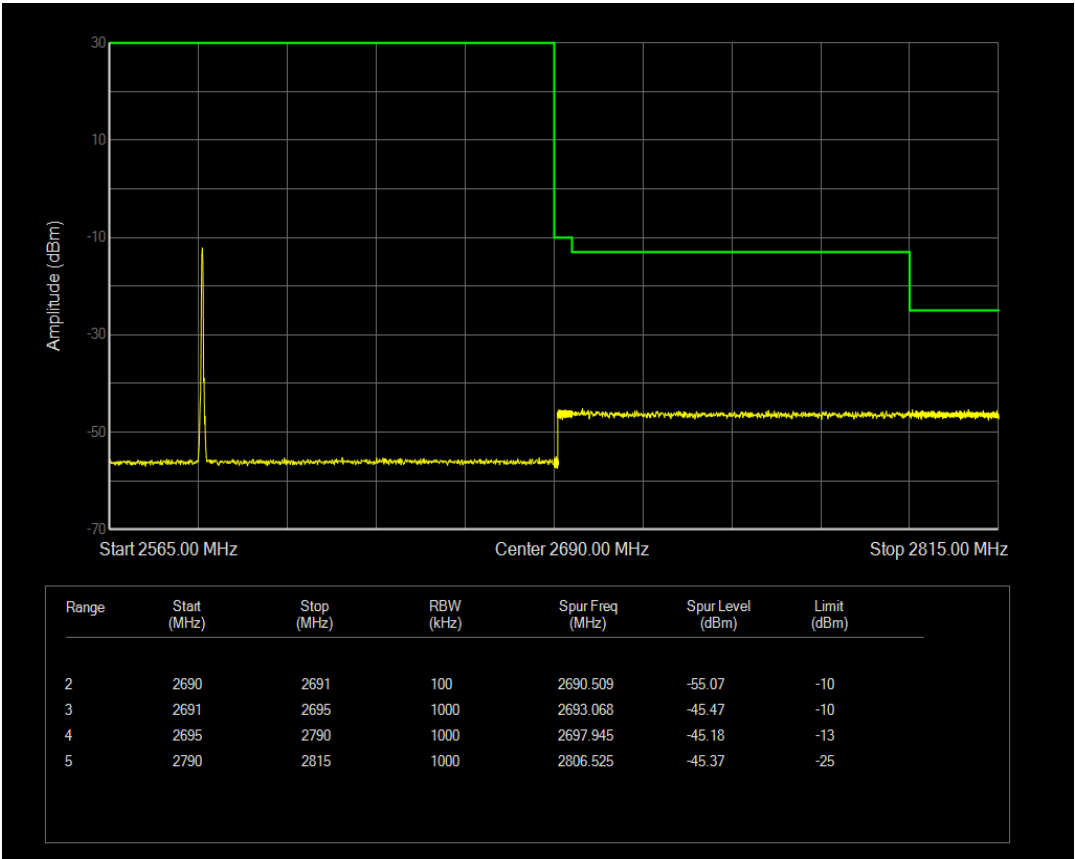
n41 SCS=30kHz CP_QPSK BW=100MHz Channel=509202 RB=1@272



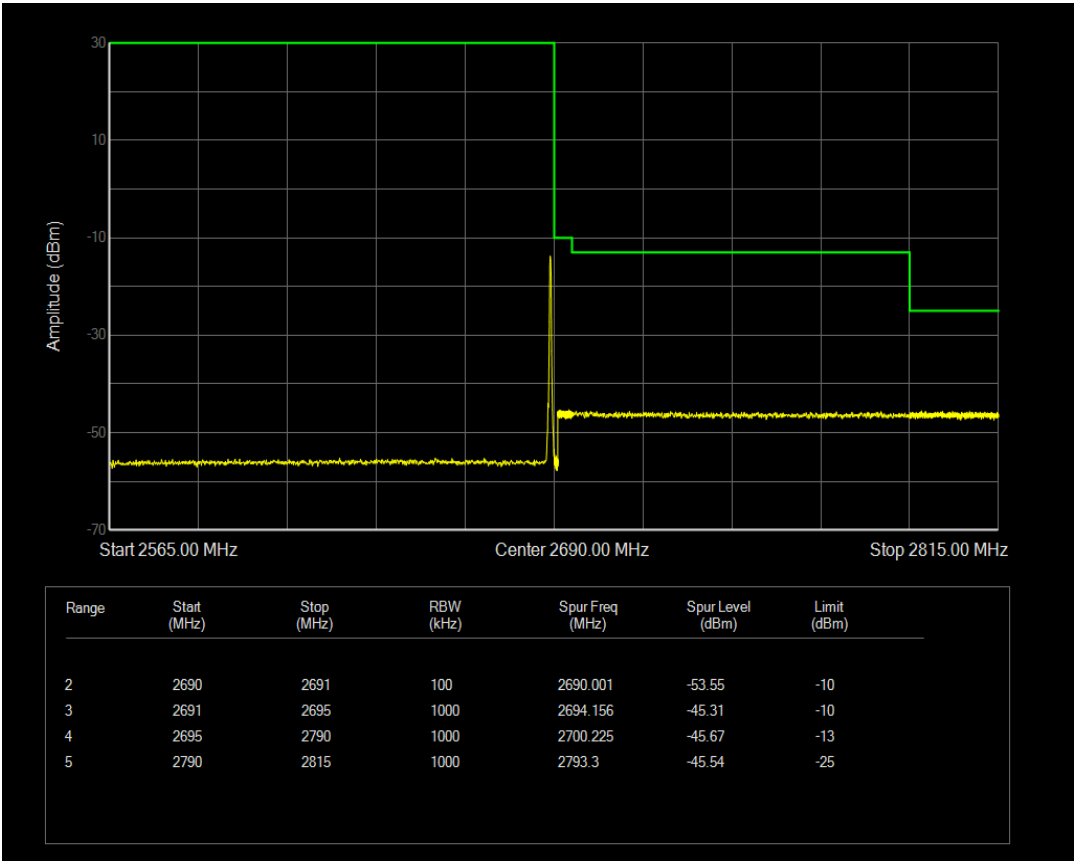
n41 SCS=30kHz CP_QPSK BW=100MHz Channel=509202 RB=273@0



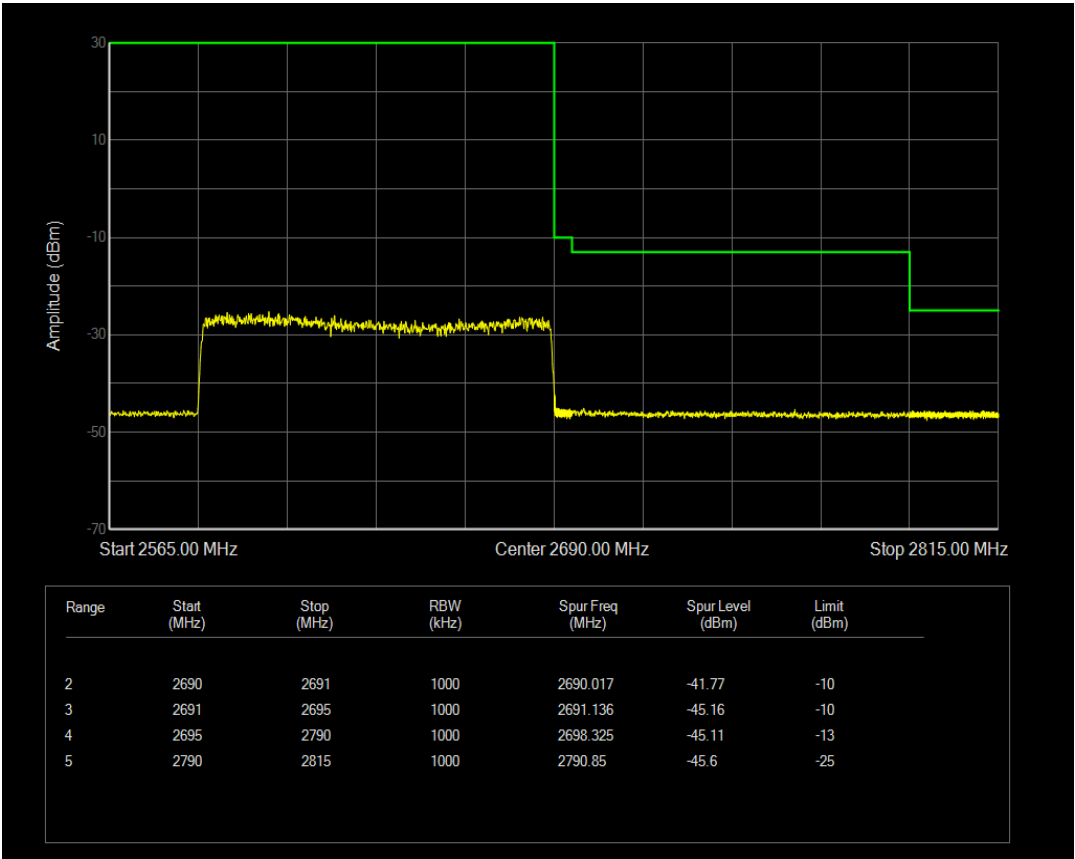
n41 SCS=30kHz CP_QPSK BW=100MHz Channel=528000 RB=1@0



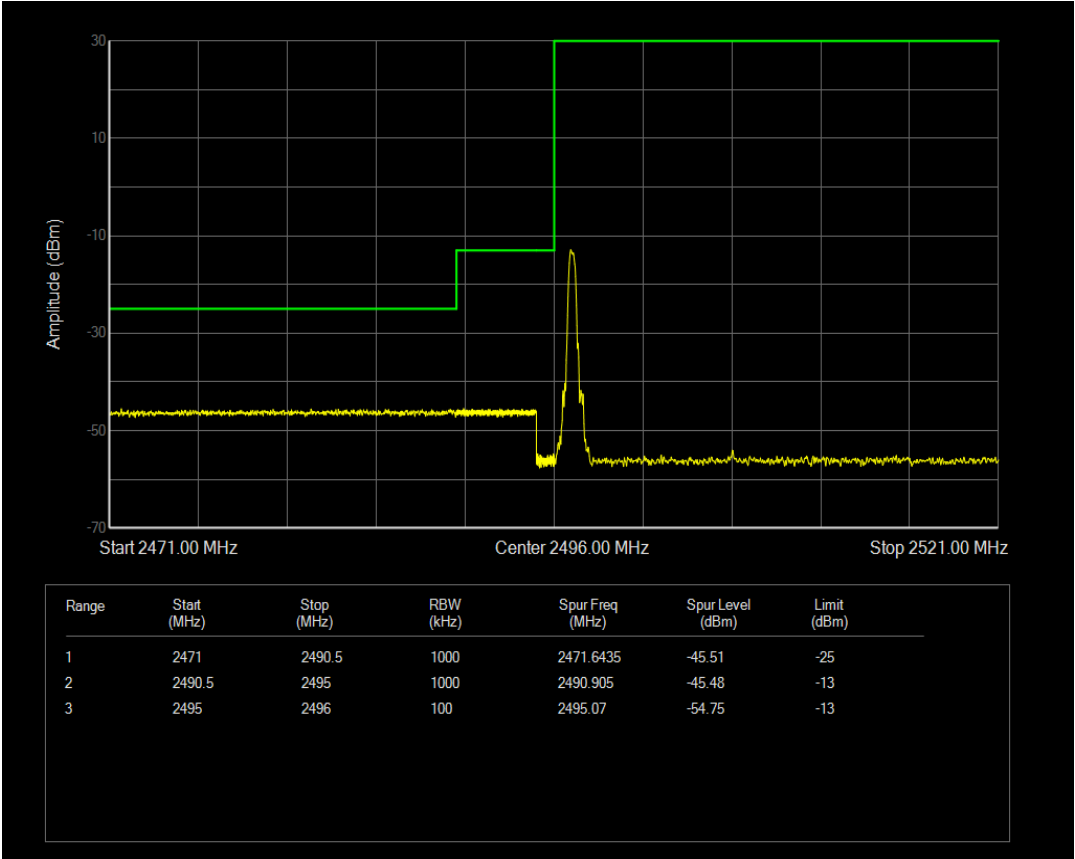
n41 SCS=30kHz CP_QPSK BW=100MHz Channel=528000 RB=1@272



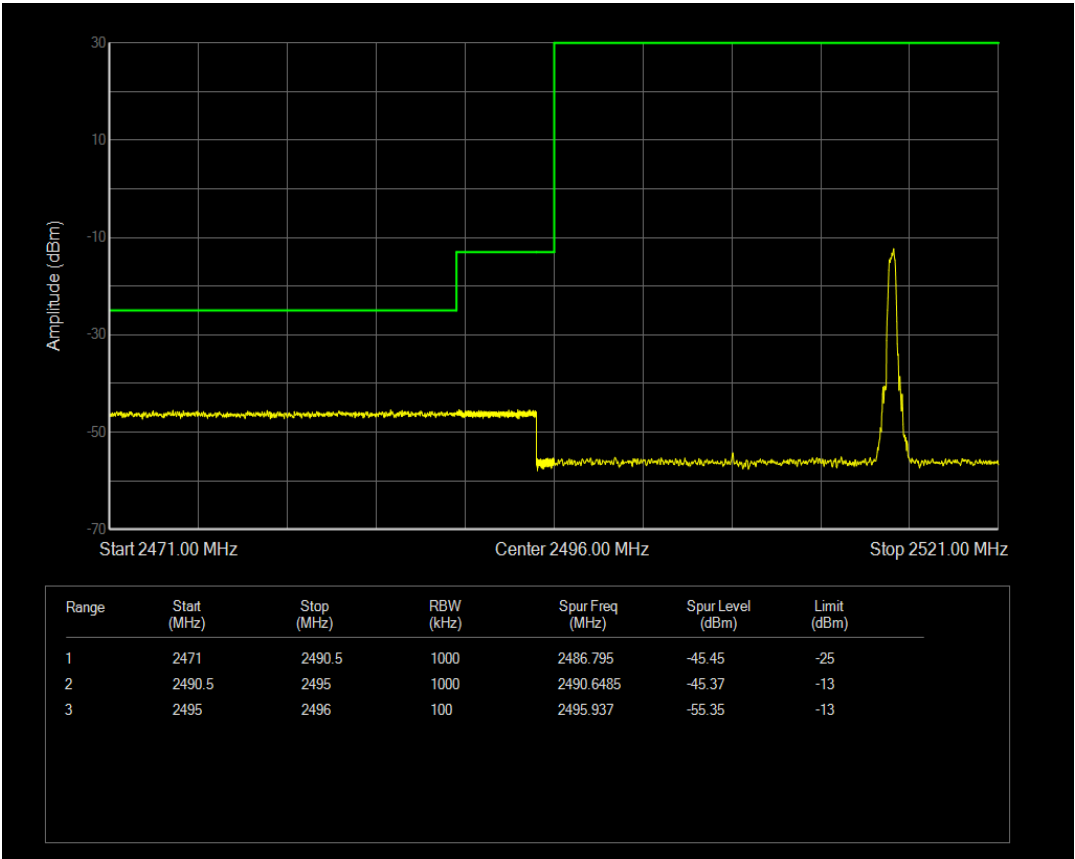
n41 SCS=30kHz CP_QPSK BW=100MHz Channel=528000 RB=273@0



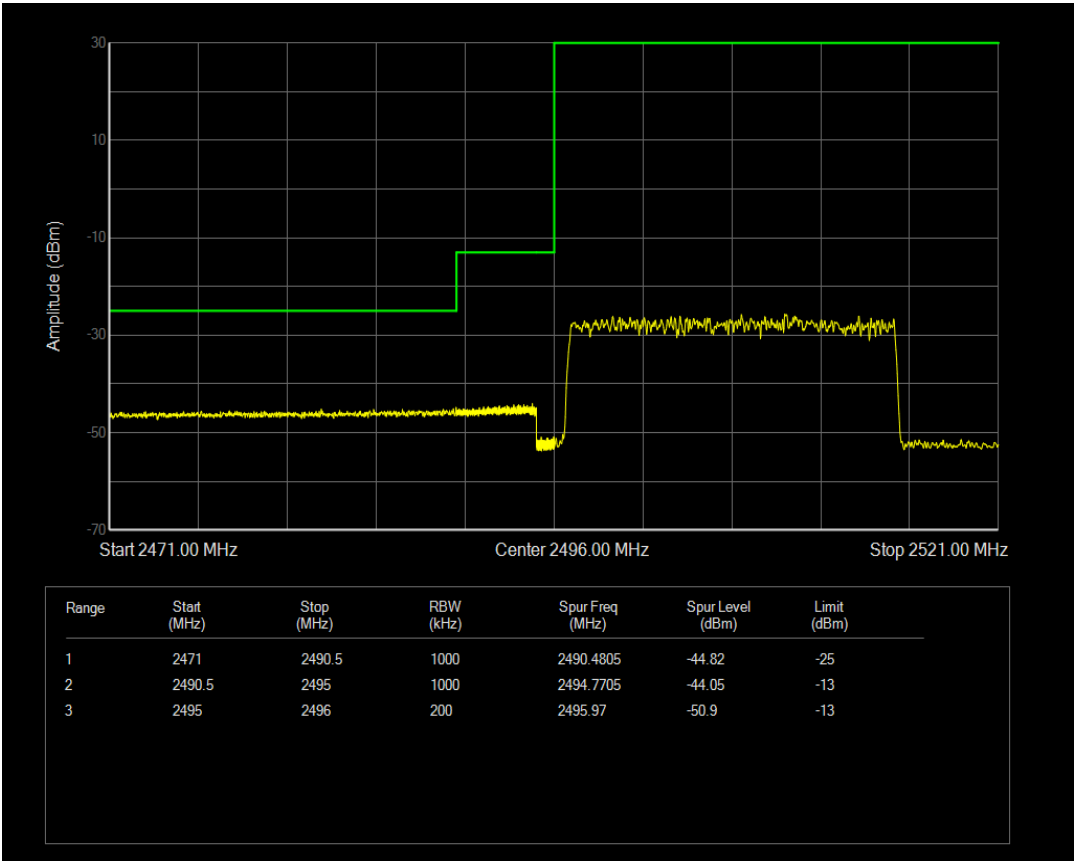
n41 SCS=30kHz CP_QPSK BW=20MHz Channel=501204 RB=1@0



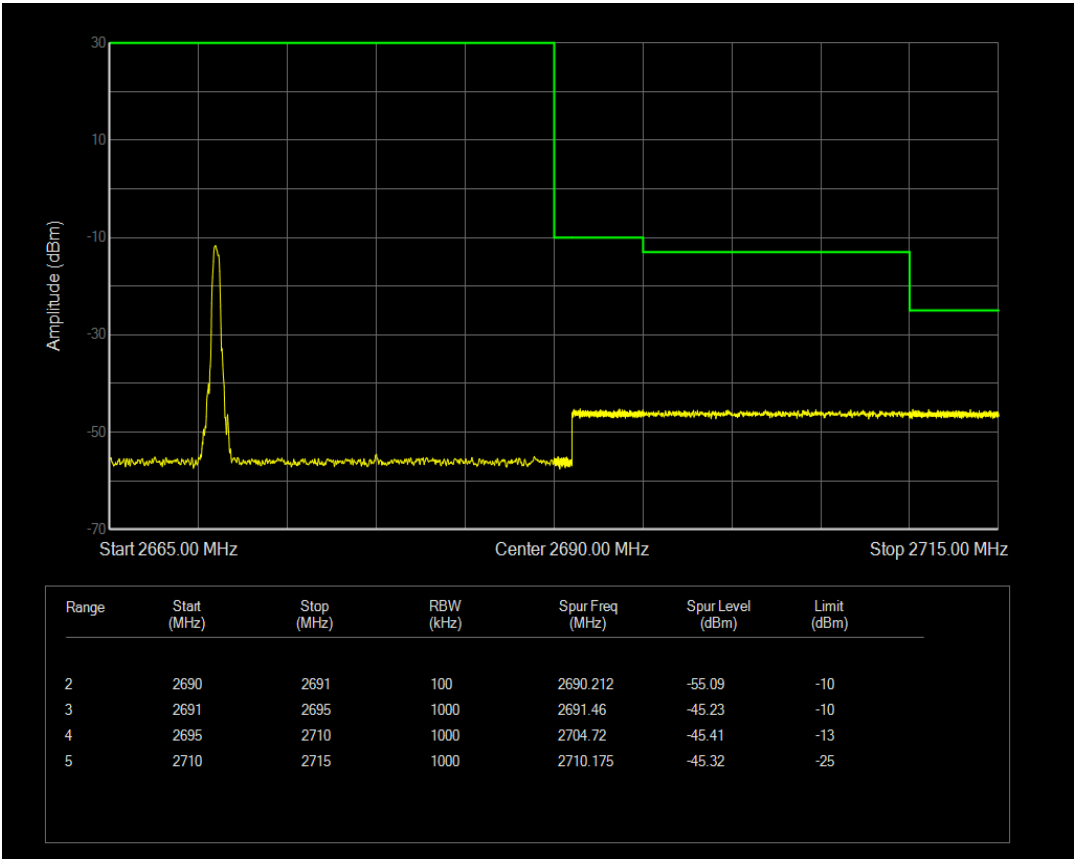
n41 SCS=30kHz CP_QPSK BW=20MHz Channel=501204 RB=1@50



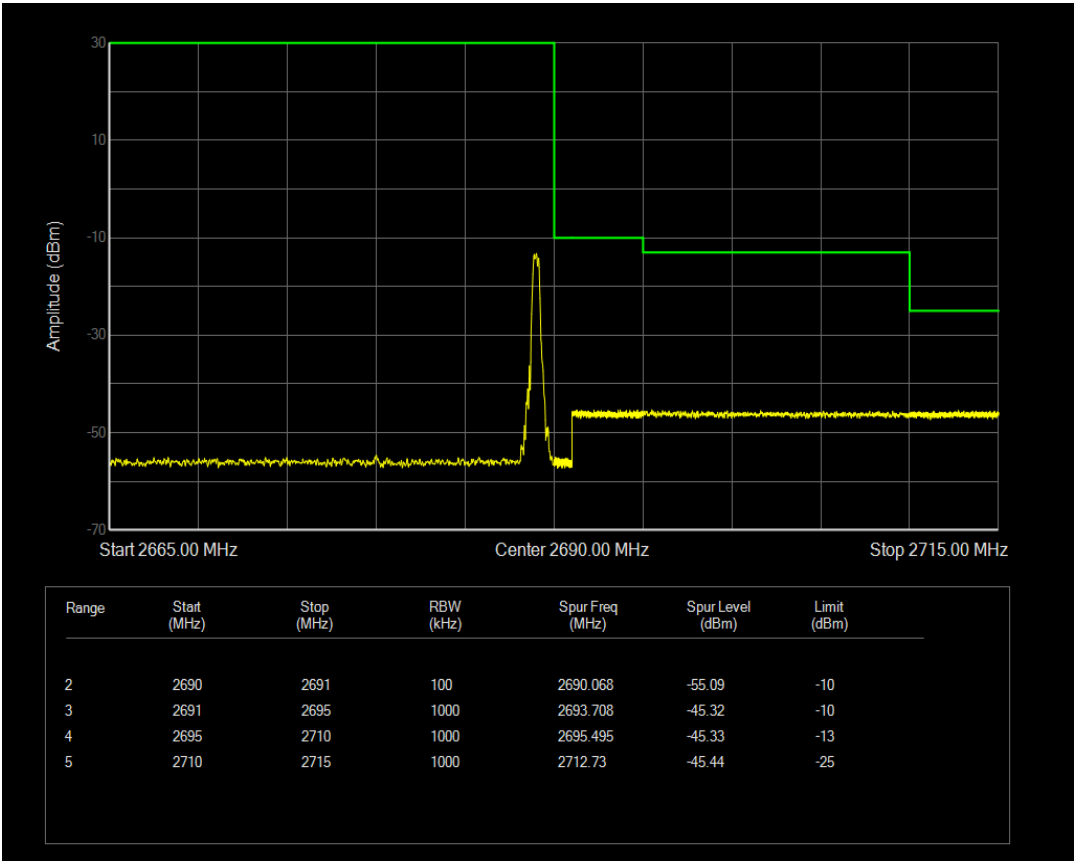
n41 SCS=30kHz CP_QPSK BW=20MHz Channel=501204 RB=51@0



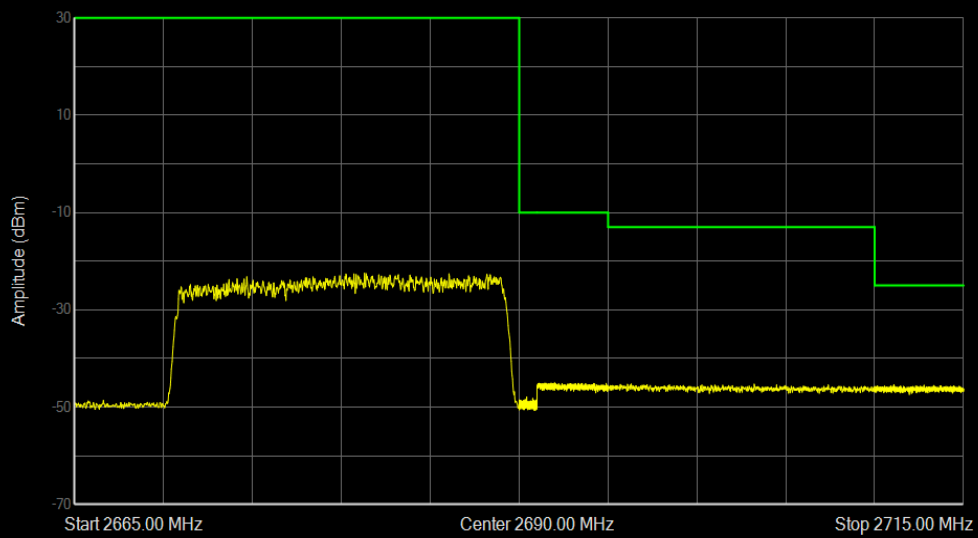
n41 SCS=30kHz CP_QPSK BW=20MHz Channel=535998 RB=1@0



n41 SCS=30kHz CP_QPSK BW=20MHz Channel=535998 RB=1@50

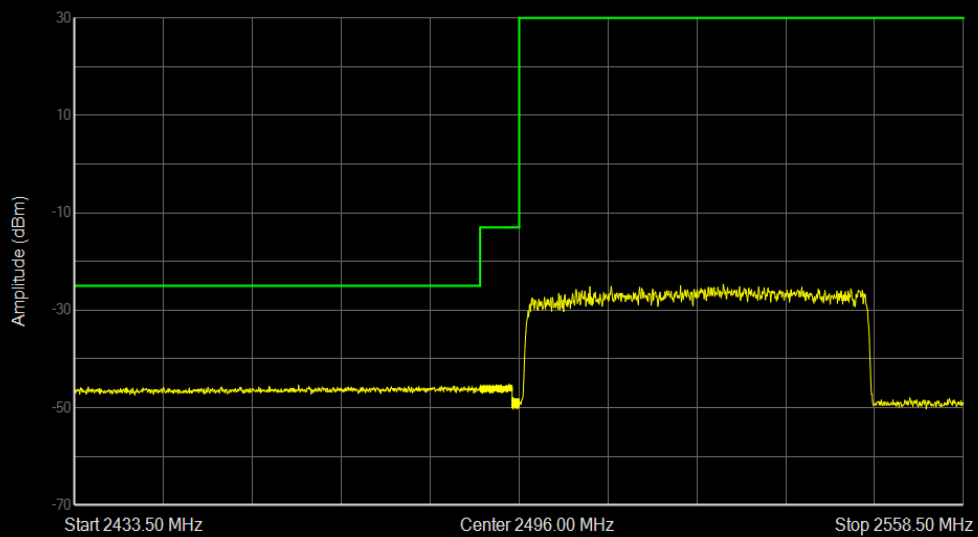


n41 SCS=30kHz CP_QPSK BW=20MHz Channel=535998 RB=51@0



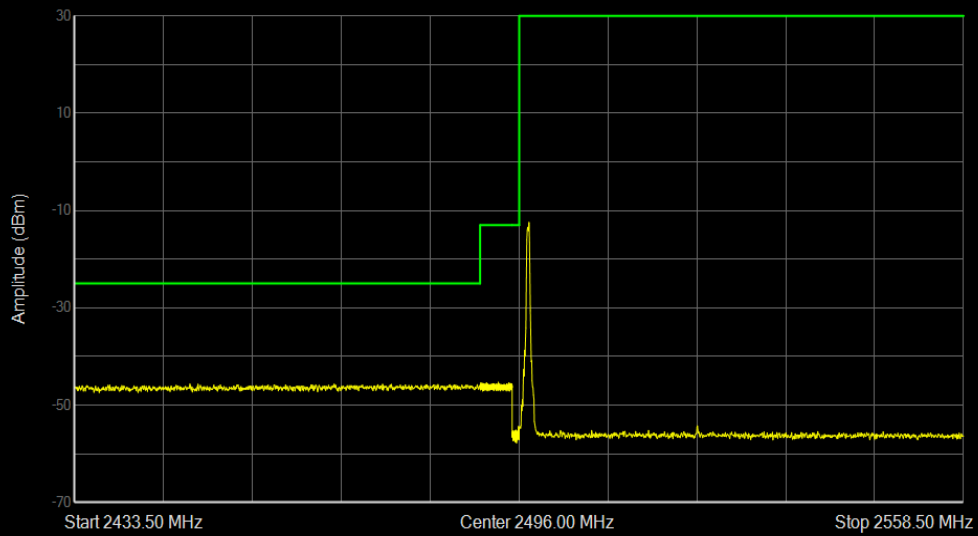
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2690	2691	430	2690.417	-47.89	-10
3	2691	2695	1000	2692	-45.01	-10
4	2695	2710	1000	2696.305	-45.24	-13
5	2710	2715	1000	2711.08	-45.37	-25

n41 SCS=30kHz CP_QPSK BW=50MHz Channel=504204 RB=133@0



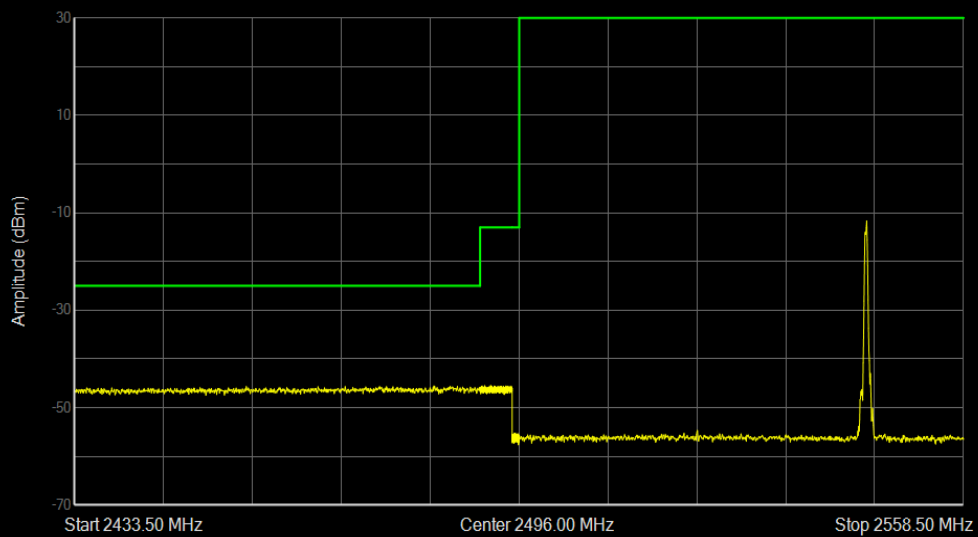
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2433.5	2490.5	1000	2464.964	-45.38	-25
2	2490.5	2495	1000	2494.55	-45.22	-13
3	2495	2496	510	2495.056	-47.93	-13

n41 SCS=30kHz CP_QPSK BW=50MHz Channel=504204 RB=1@0



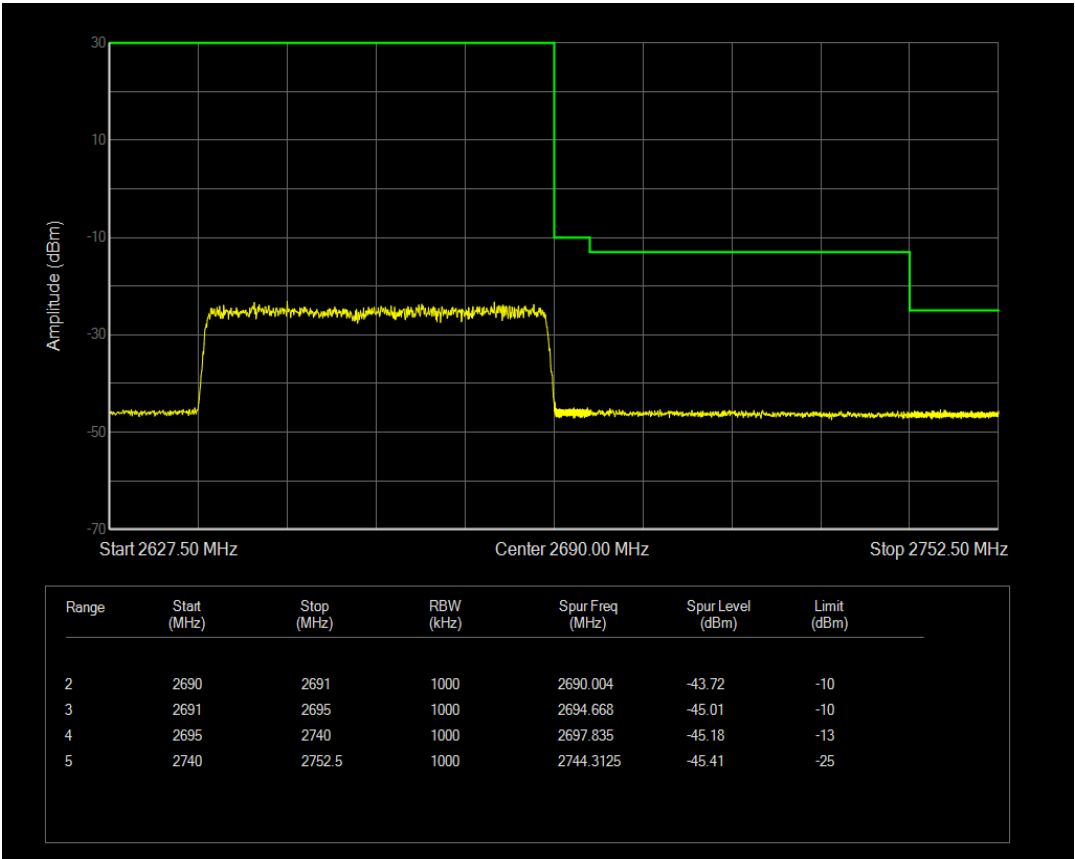
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2433.5	2490.5	1000	2449.688	-45.67	-25
2	2490.5	2495	1000	2493.0605	-45.28	-13
3	2495	2496	100	2495.902	-54.38	-13

n41 SCS=30kHz CP_QPSK BW=50MHz Channel=504204 RB=1@132

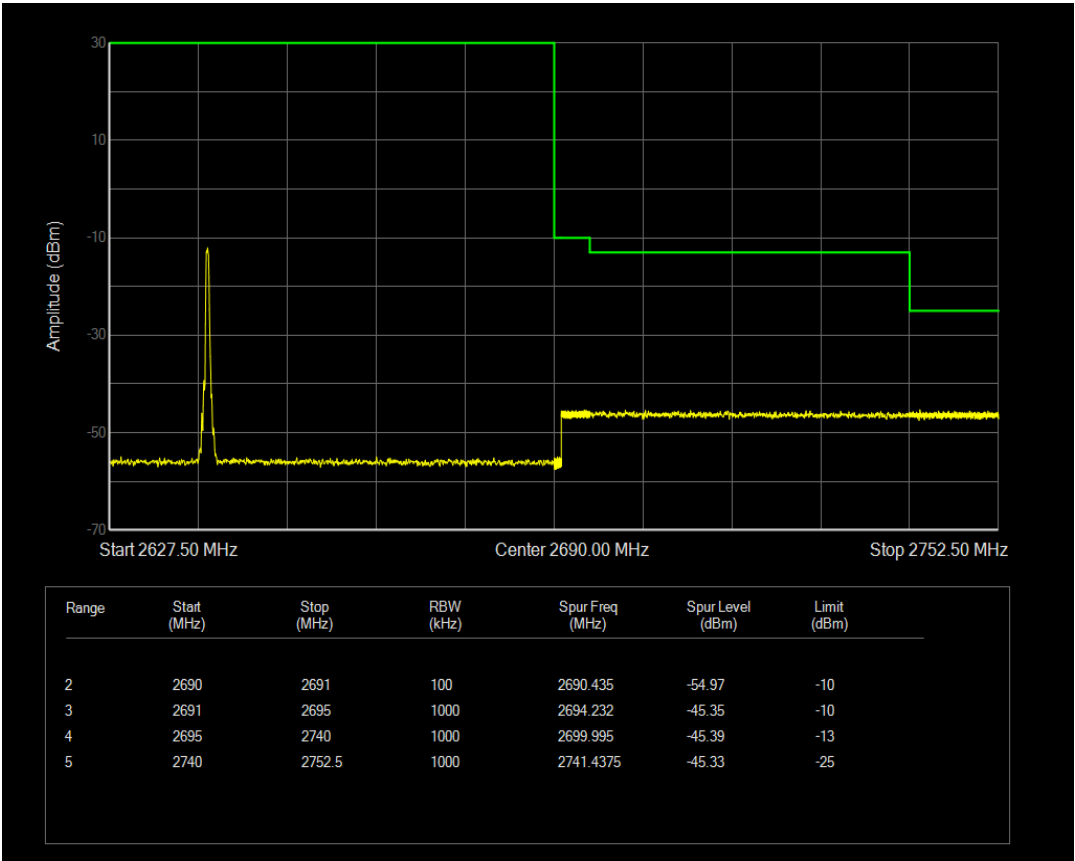


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2433.5	2490.5	1000	2484.002	-45.54	-25
2	2490.5	2495	1000	2491.148	-45.49	-13
3	2495	2496	100	2495.455	-55.24	-13

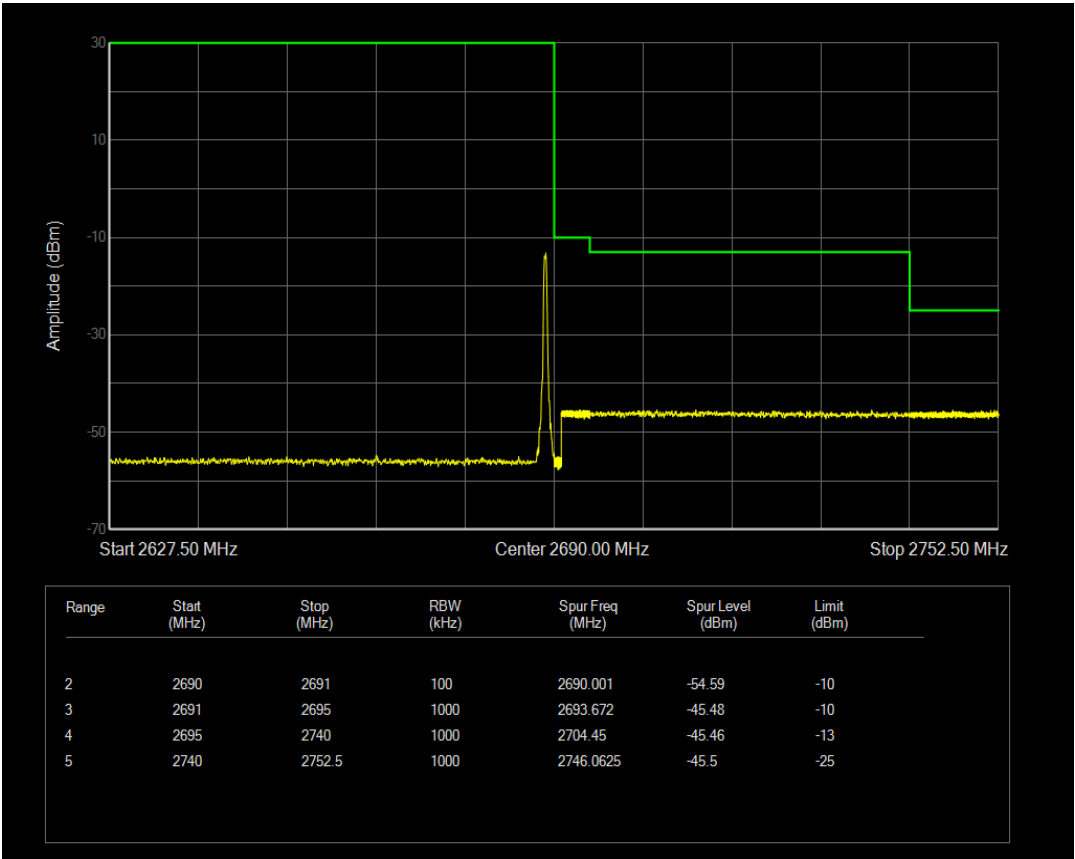
n41 SCS=30kHz CP_QPSK BW=50MHz Channel=532998 RB=133@0



n41 SCS=30kHz CP_QPSK BW=50MHz Channel=532998 RB=1@0



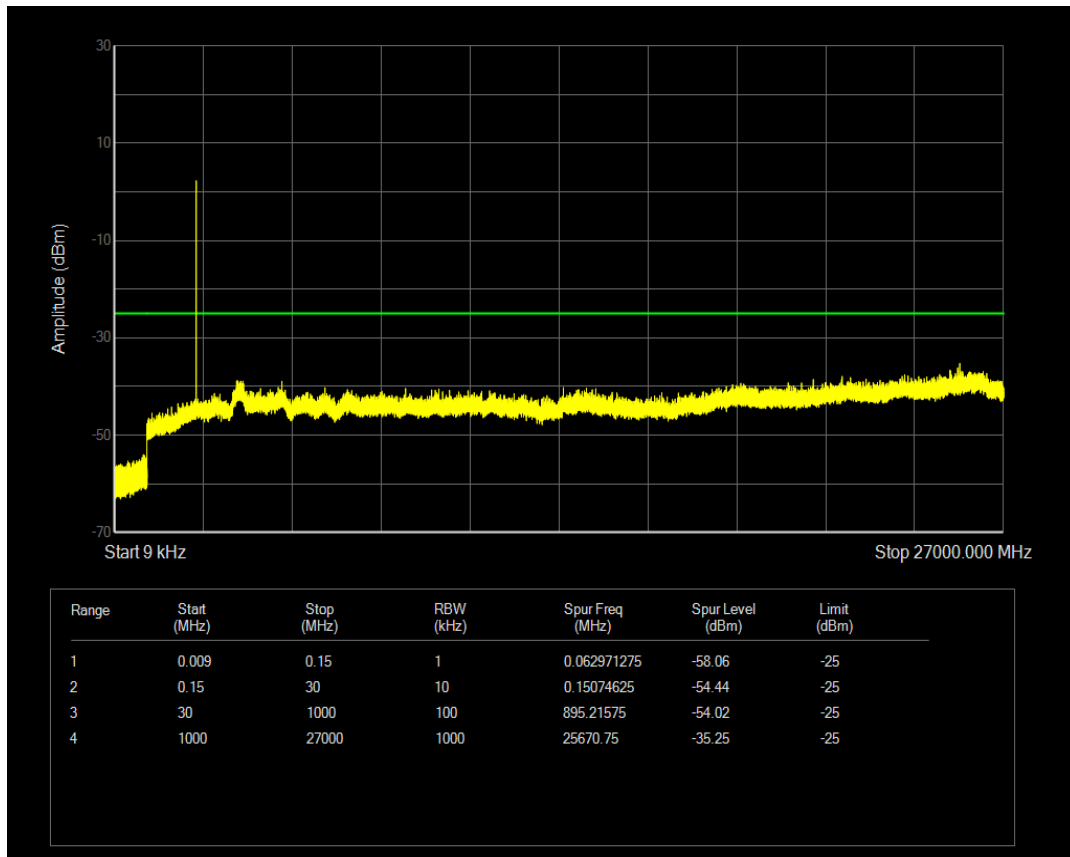
n41 SCS=30kHz CP_QPSK BW=50MHz Channel=532998 RB=1@132



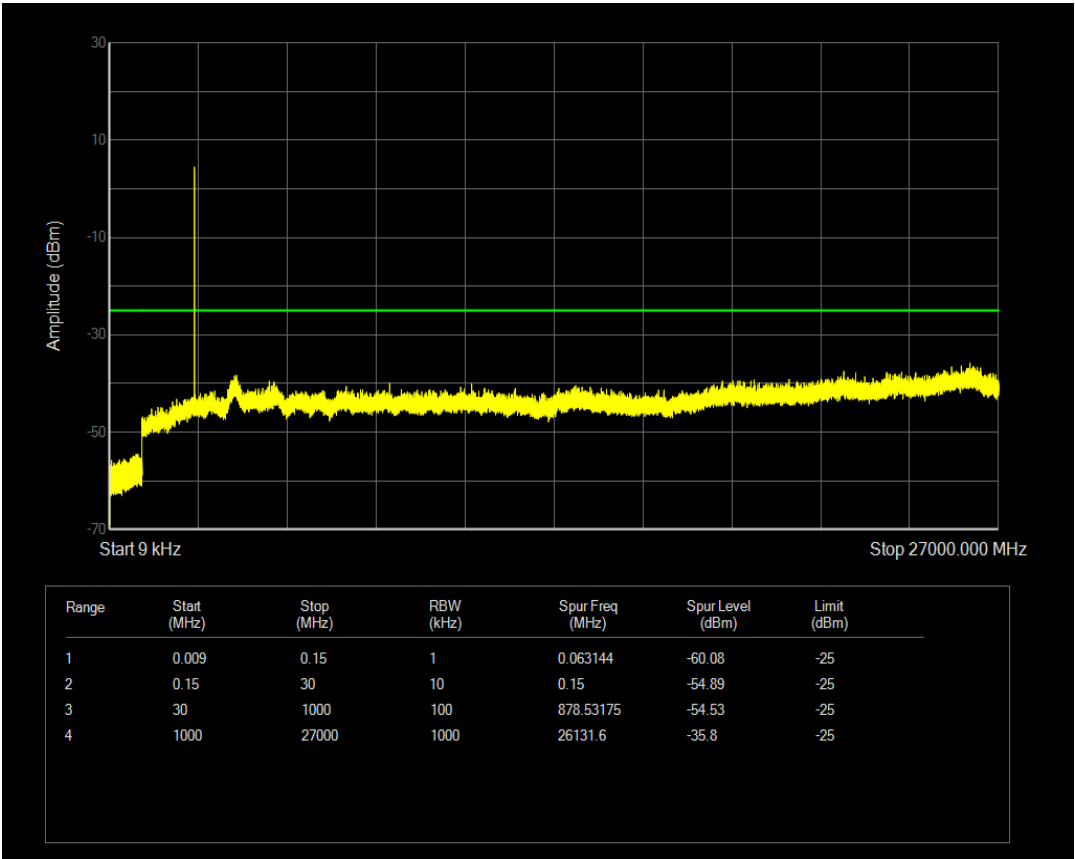
6 Out-of-band emissions for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n41	30	20	501204	51@0	CP_QPSK	23909.90	-36.58	-25	PASS
n41	30	20	501204	1@0	CP_QPSK	26022.40	-36.30	-25	PASS
n41	30	20	501204	1@50	CP_QPSK	25959.35	-36.01	-25	PASS
n41	30	20	535998	51@0	CP_QPSK	26309.70	-36.62	-25	PASS
n41	30	20	535998	1@0	CP_QPSK	26119.25	-36.07	-25	PASS
n41	30	20	535998	1@50	CP_QPSK	25891.75	-36.31	-25	PASS
n41	30	50	504204	133@0	CP_QPSK	26279.80	-35.63	-25	PASS
n41	30	50	504204	1@0	CP_QPSK	26184.25	-36.33	-25	PASS
n41	30	50	504204	1@132	CP_QPSK	26114.05	-36.16	-25	PASS
n41	30	50	532998	133@0	CP_QPSK	25926.85	-36.25	-25	PASS
n41	30	50	532998	1@0	CP_QPSK	25595.35	-36.75	-25	PASS
n41	30	50	532998	1@132	CP_QPSK	25611.60	-36.04	-25	PASS
n41	30	100	509202	273@0	CP_QPSK	26279.15	-36.63	-25	PASS
n41	30	100	509202	1@0	CP_QPSK	25670.75	-35.25	-25	PASS
n41	30	100	509202	1@272	CP_QPSK	26131.60	-35.80	-25	PASS
n41	30	100	528000	273@0	CP_QPSK	26156.95	-35.95	-25	PASS
n41	30	100	528000	1@0	CP_QPSK	26103.65	-36.41	-25	PASS
n41	30	100	528000	1@272	CP_QPSK	26634.70	-36.47	-25	PASS

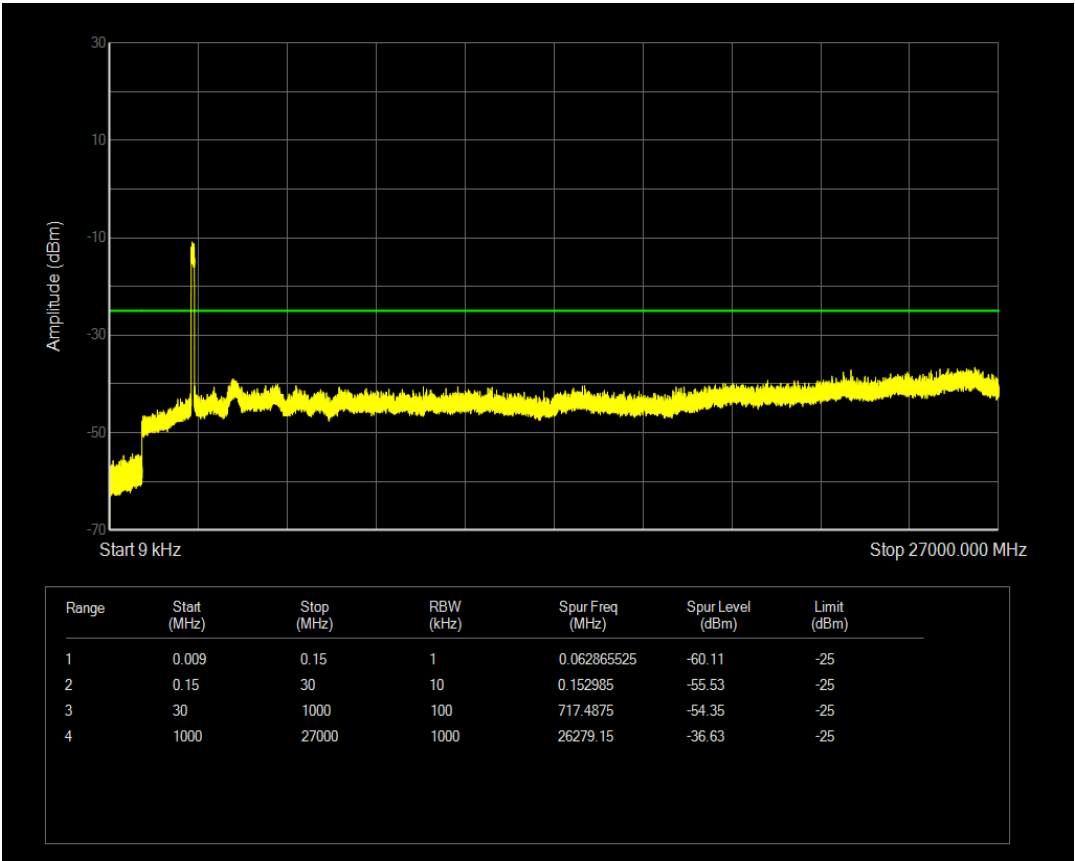
n41 SCS=30kHz CP_QPSK BW=100MHz Channel=509202 RB=1@0



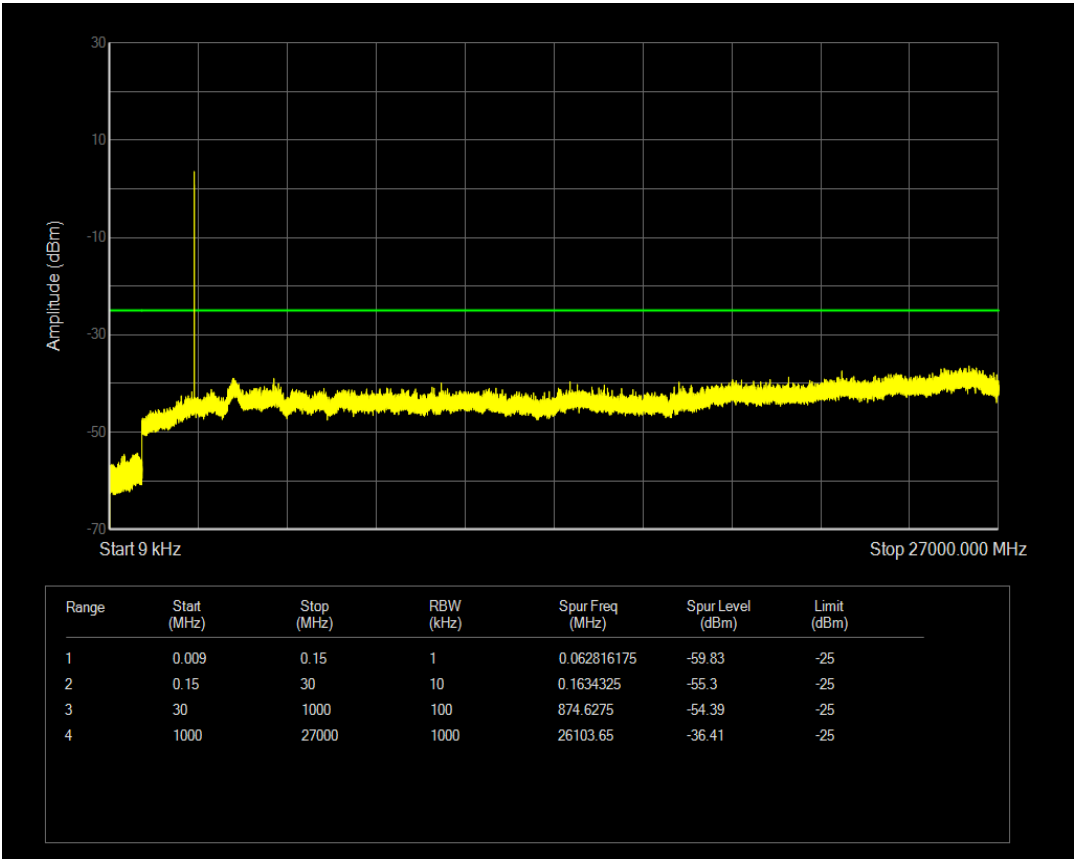
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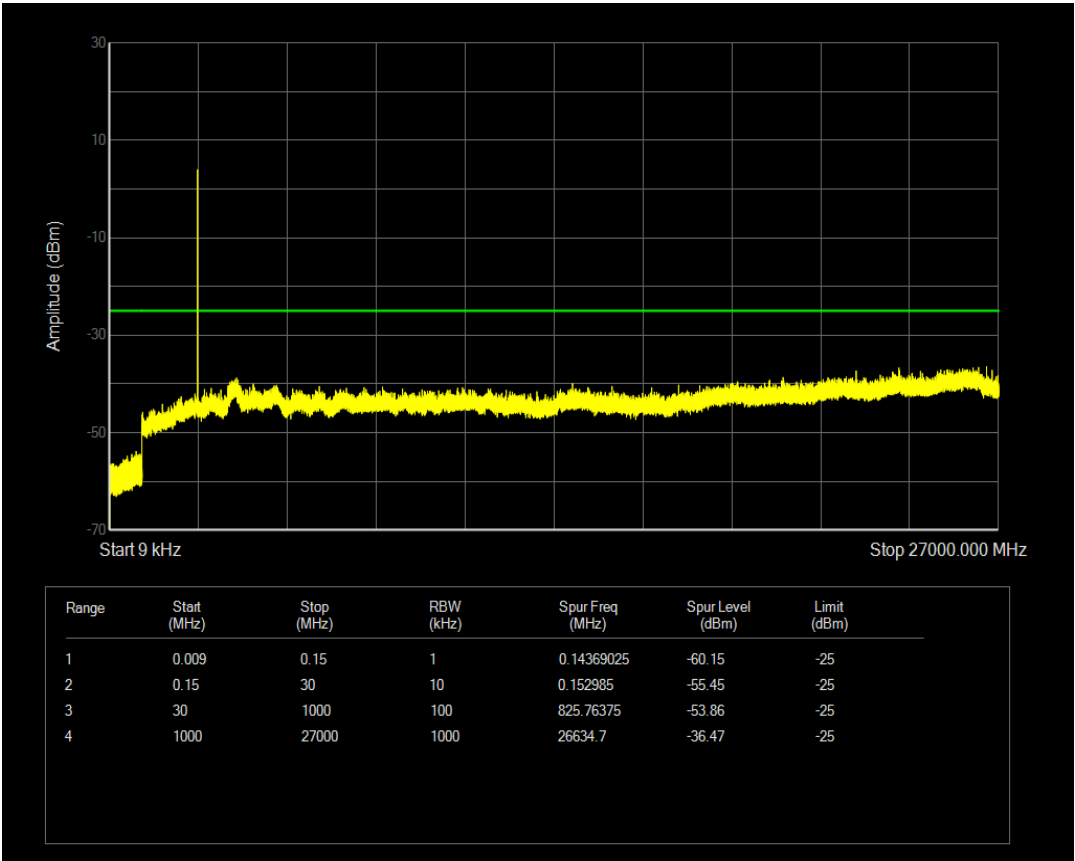
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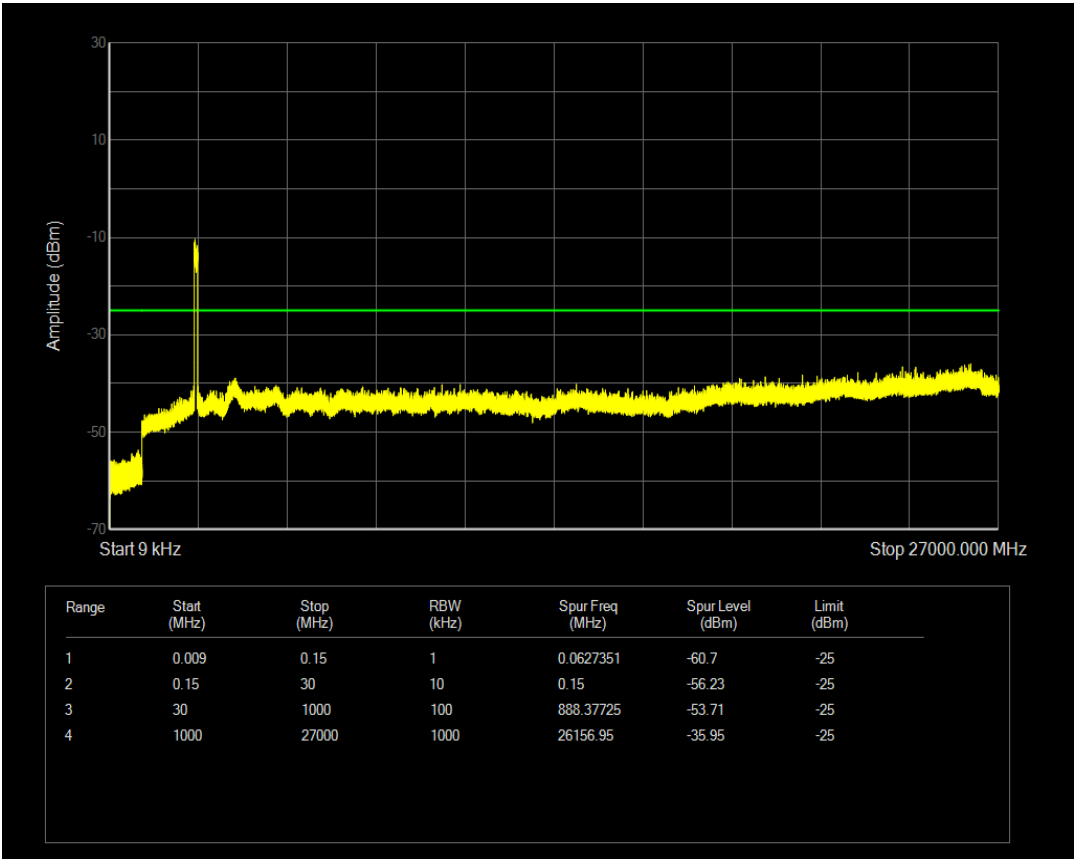
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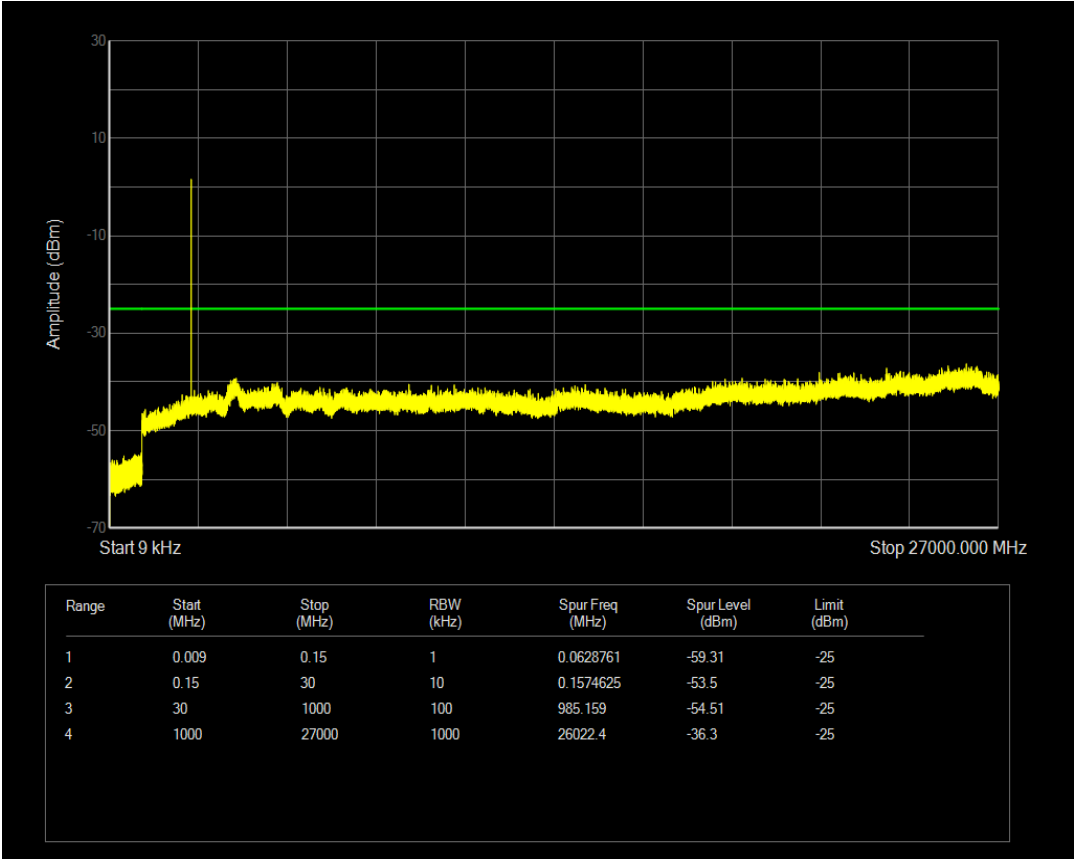
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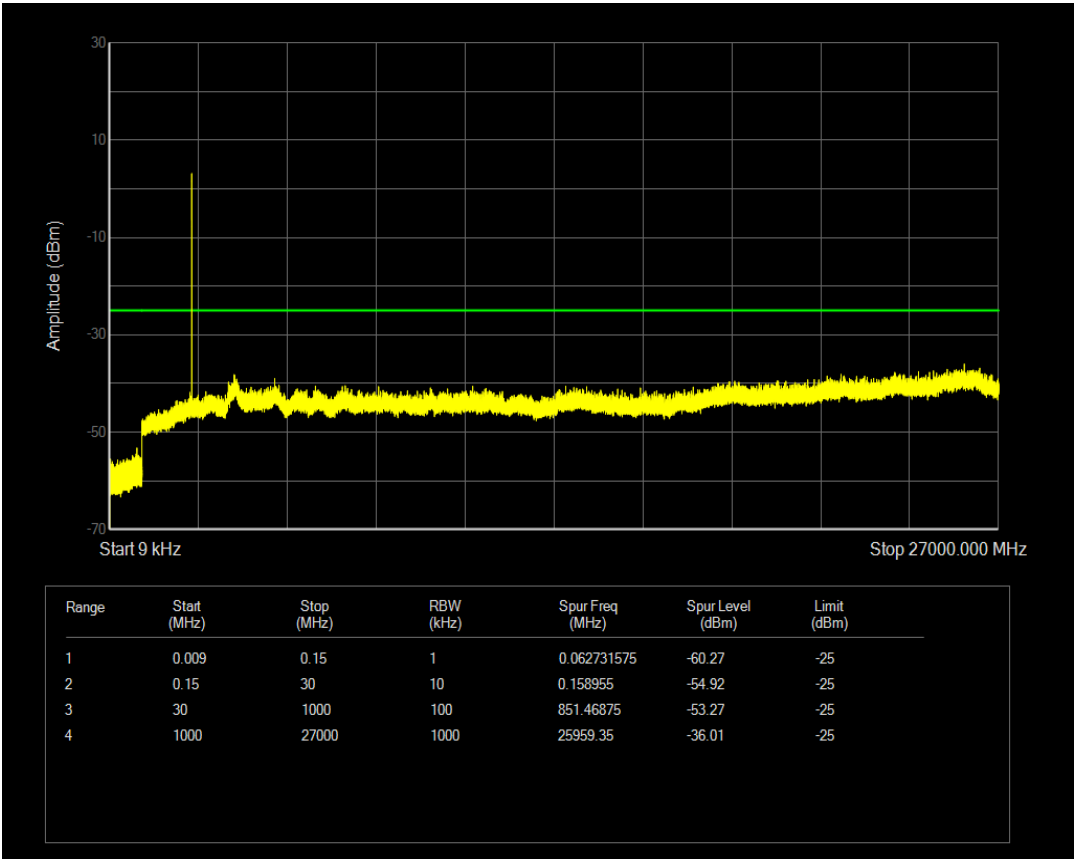
n41 SCS=30kHz CP_QPSK BW=100MHz Channel=528000 RB=273@0



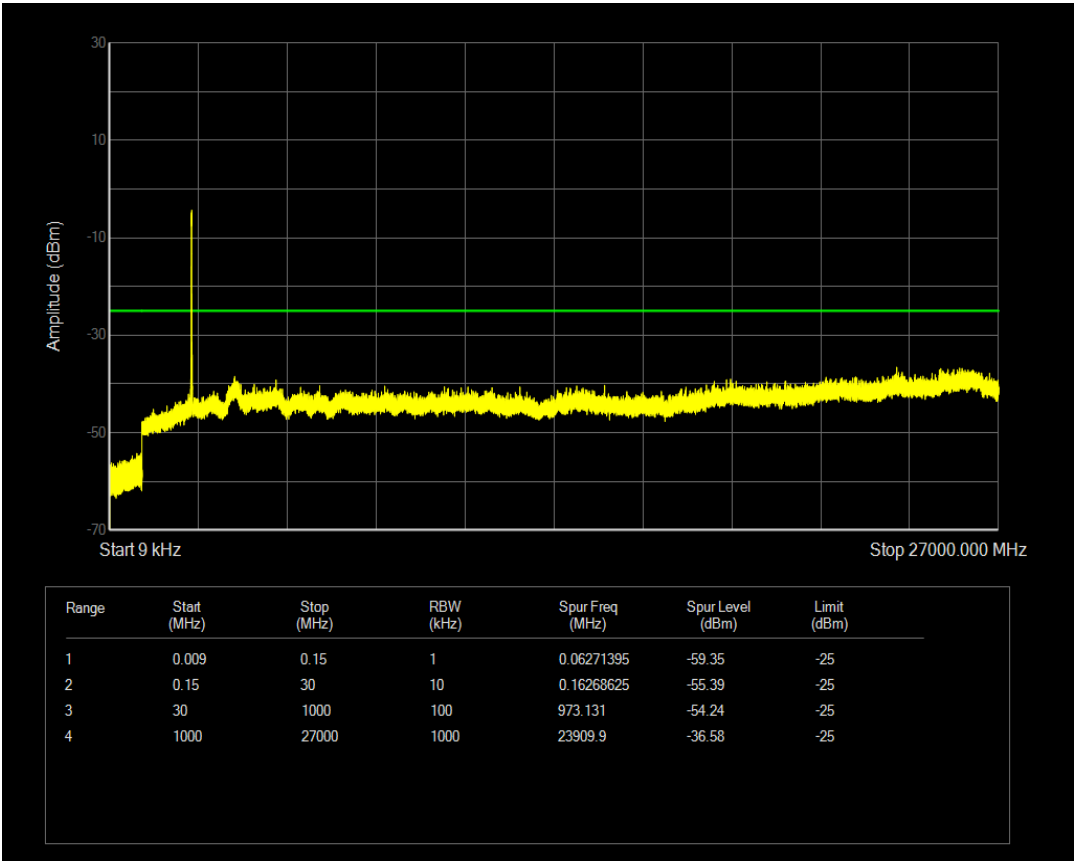
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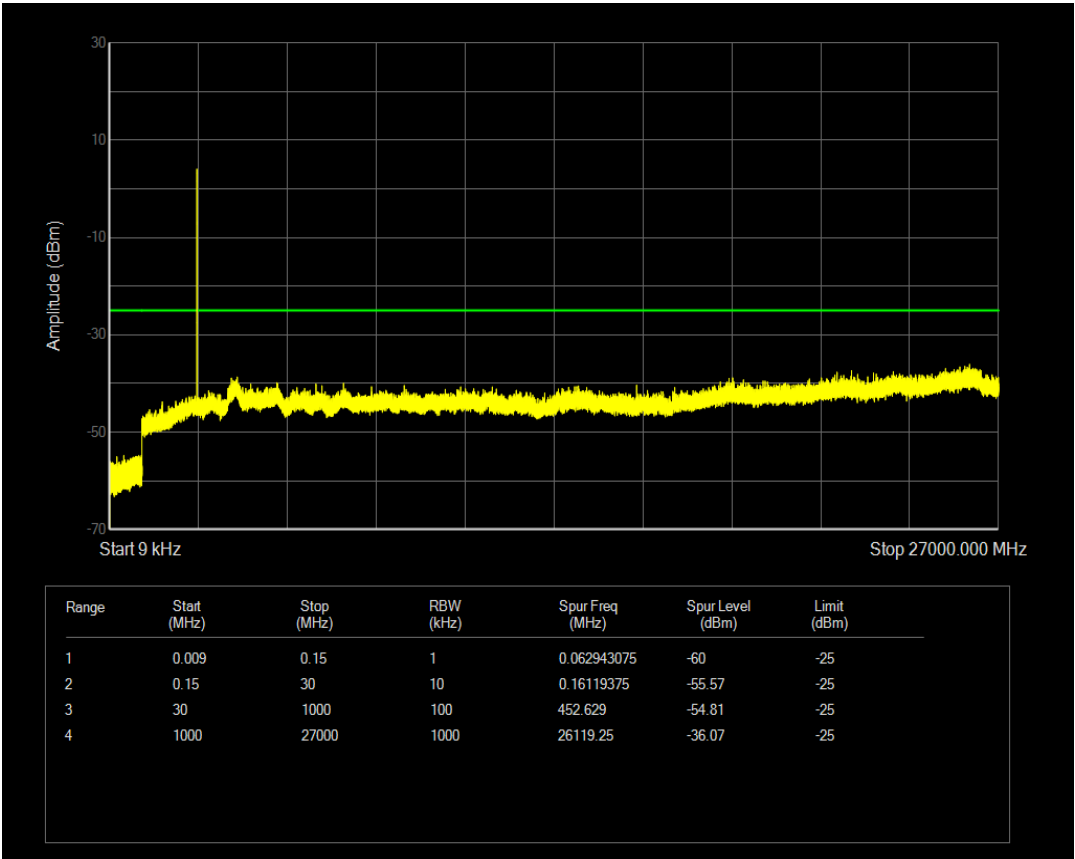
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n41 SCS=30kHz CP_QPSK BW=20MHz Channel=501204 RB=51@0



n41 SCS=30kHz CP_QPSK BW=20MHz Channel=535998 RB=1@0



n41 SCS=30kHz CP_QPSK BW=20MHz Channel=535998 RB=1@50

