

## 4 Occupied bandwidth for NR FR1

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	18.090	18.290	PASS
n41	30	20	518598	50@0	DFT_QPSK	18.060	18.280	PASS
n41	30	20	518598	50@0	DFT_QAM16	18.030	18.230	PASS
n41	30	20	518598	50@0	DFT_QAM64	18.030	18.320	PASS
n41	30	20	518598	50@0	DFT_QAM256	18.010	18.220	PASS
n41	30	40	518598	100@0	DFT_BPSK	37.400	36.420	PASS
n41	30	40	518598	100@0	DFT_QPSK	37.440	36.330	PASS
n41	30	40	518598	100@0	DFT_QAM16	37.410	36.360	PASS
n41	30	40	518598	100@0	DFT_QAM64	37.440	36.330	PASS
n41	30	40	518598	100@0	DFT_QAM256	37.390	36.380	PASS
n41	30	50	518598	128@0	DFT_BPSK	47.010	46.450	PASS
n41	30	50	518598	128@0	DFT_QPSK	47.020	46.360	PASS
n41	30	50	518598	128@0	DFT_QAM16	47.070	46.350	PASS
n41	30	50	518598	128@0	DFT_QAM64	46.960	46.310	PASS
n41	30	50	518598	128@0	DFT_QAM256	46.890	46.370	PASS
n41	30	60	518598	162@0	DFT_BPSK	57.630	58.640	PASS
n41	30	60	518598	162@0	DFT_QPSK	57.630	58.600	PASS
n41	30	60	518598	162@0	DFT_QAM16	57.680	58.610	PASS
n41	30	60	518598	162@0	DFT_QAM64	57.630	58.540	PASS
n41	30	60	518598	162@0	DFT_QAM256	57.780	58.580	PASS
n41	30	80	518598	216@0	DFT_BPSK	76.940	78.020	PASS
n41	30	80	518598	216@0	DFT_QPSK	76.930	78.040	PASS
n41	30	80	518598	216@0	DFT_QAM16	76.910	78.170	PASS
n41	30	80	518598	216@0	DFT_QAM64	77.040	78.090	PASS
n41	30	80	518598	216@0	DFT_QAM256	77.020	78.190	PASS
n41	30	90	518598	240@0	DFT_BPSK	86.440	86.640	PASS
n41	30	90	518598	240@0	DFT_QPSK	86.280	86.750	PASS
n41	30	90	518598	240@0	DFT_QAM16	86.320	86.660	PASS
n41	30	90	518598	240@0	DFT_QAM64	86.330	86.690	PASS
n41	30	90	518598	240@0	DFT_QAM256	86.660	86.670	PASS
n41	30	100	518598	270@0	DFT_BPSK	96.150	97.530	PASS
n41	30	100	518598	270@0	DFT_QPSK	96.050	97.590	PASS
n41	30	100	518598	270@0	DFT_QAM16	96.290	97.660	PASS
n41	30	100	518598	270@0	DFT_QAM64	96.290	97.530	PASS
n41	30	100	518598	270@0	DFT_QAM256	96.030	97.570	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=60MHz Channel=518598 RB=162 @0**



**n41 SCS=30kHz DFT\_BPSK BW=50MHz Channel=518598 RB=128 @0**



**n41 SCS=30kHz DFT\_BPSK BW=80MHz Channel=518598 RB=216@0**



**n41 SCS=30kHz DFT\_QAM16 BW=20MHz Channel=518598 RB=50@0**



**n41 SCS=30kHz DFT\_QAM16 BW=100MHz Channel=518598 RB=270@0**



**n41 SCS=30kHz DFT\_BPSK BW=90MHz Channel=518598 RB=240@0**



**n41 SCS=30kHz DFT\_QAM16 BW=50MHz Channel=518598 RB=128@0**



**n41 SCS=30kHz DFT\_QAM16 BW=40MHz Channel=518598 RB=100@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\_QAM16 BW=60MHz Channel=518598 RB=162 @0**



**n41 SCS=30kHz DFT\_QAM16 BW=80MHz Channel=518598 RB=216 @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=20MHz Channel=518598 RB=50@0**



**n41 SCS=30kHz DFT\_QAM256 BW=40MHz Channel=518598 RB=100@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\_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=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\_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\_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**



**n41 SCS=30kHz DFT\_QPSK BW=20MHz Channel=518598 RB=50@0**



**n41 SCS=30kHz DFT\_QPSK BW=40MHz Channel=518598 RB=100@0**



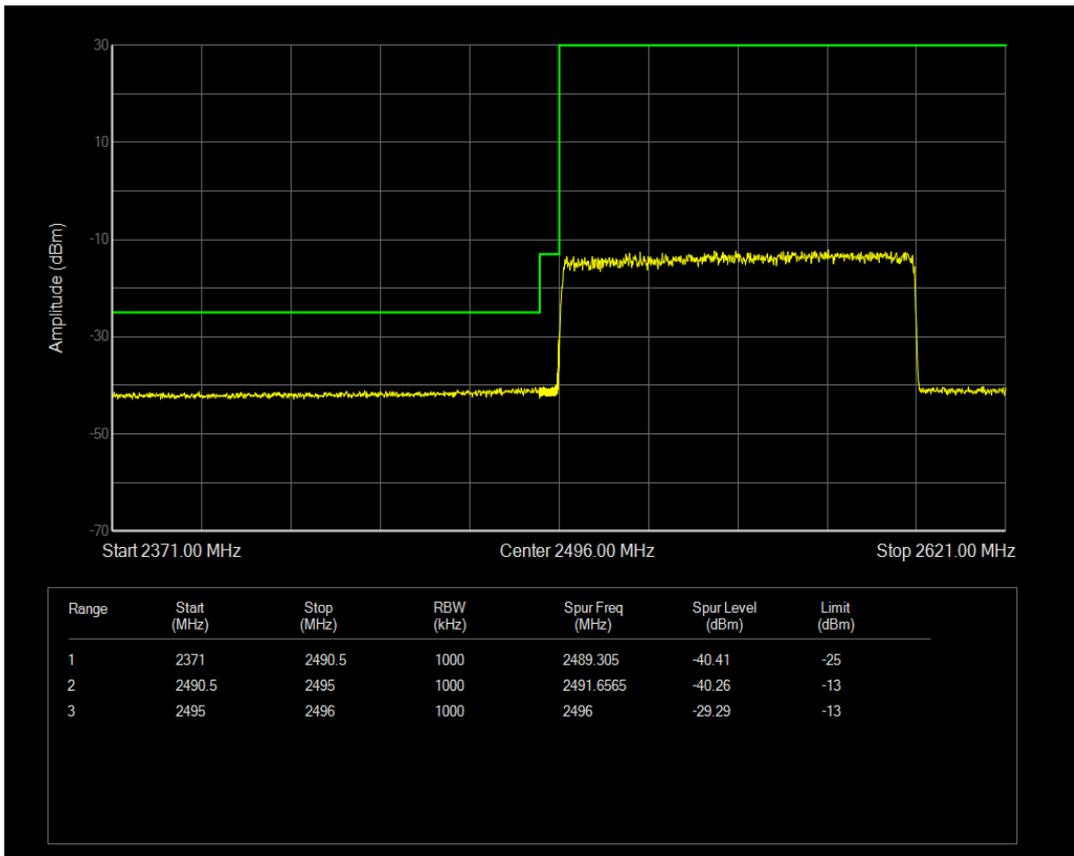
**n41 SCS=30kHz DFT\_QPSK BW=50MHz Channel=518598 RB=128@0**



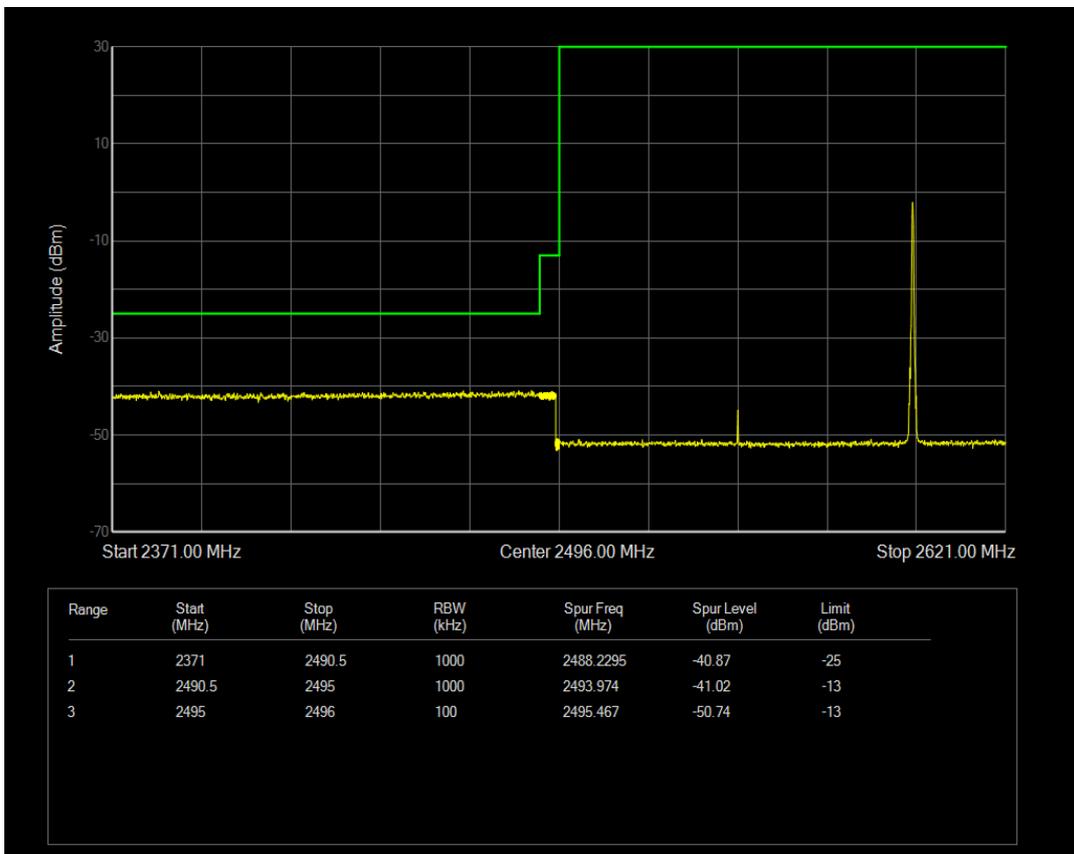
## 5 Band edge for NR FR1

<b>Band</b>	<b>SCS (kHz)</b>	<b>Bandwidth (MHz)</b>	<b>UL Channel</b>	<b>RB Allocation</b>	<b>Modulation</b>	<b>Spur Freq (MHz)</b>	<b>Spur Level (dBm)</b>	<b>Limit (dBm)</b>	<b>Verdict</b>
n41	30	20	501204	51@0	CP_QPSK	2490.32	-40.73	-25	PASS
n41	30	20	501204	1@0	CP_QPSK	2486.25	-41.00	-25	PASS
n41	30	20	501204	1@50	CP_QPSK	2484.61	-41.08	-25	PASS
n41	30	20	535998	51@0	CP_QPSK	2710.06	-40.67	-25	PASS
n41	30	20	535998	1@0	CP_QPSK	2712.47	-41.20	-25	PASS
n41	30	20	535998	1@50	CP_QPSK	2710.56	-40.95	-25	PASS
n41	30	50	504204	133@0	CP_QPSK	2489.30	-40.73	-25	PASS
n41	30	50	504204	1@0	CP_QPSK	2482.63	-40.82	-25	PASS
n41	30	50	504204	1@132	CP_QPSK	2464.91	-40.87	-25	PASS
n41	30	50	532998	133@0	CP_QPSK	2747.80	-41.14	-25	PASS
n41	30	50	532998	1@0	CP_QPSK	2748.98	-41.15	-25	PASS
n41	30	50	532998	1@132	CP_QPSK	2742.99	-41.09	-25	PASS
n41	30	100	509202	273@0	CP_QPSK	2489.31	-40.41	-25	PASS
n41	30	100	509202	1@0	CP_QPSK	2476.40	-40.84	-25	PASS
n41	30	100	509202	1@272	CP_QPSK	2488.23	-40.87	-25	PASS
n41	30	100	528000	273@0	CP_QPSK	2801.80	-40.85	-25	PASS
n41	30	100	528000	1@0	CP_QPSK	2795.98	-41.01	-25	PASS
n41	30	100	528000	1@272	CP_QPSK	2792.10	-41.05	-25	PASS

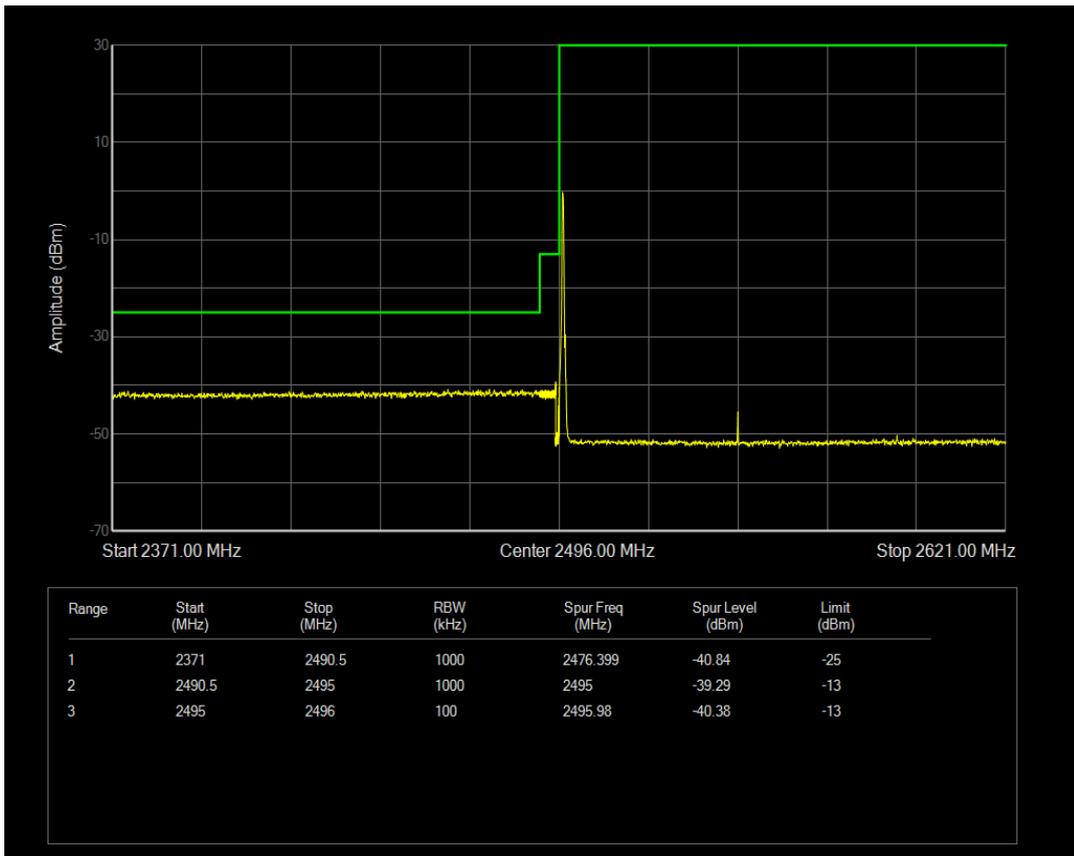
**n41 SCS=30kHz CP\_QPSK BW=100MHz Channel=509202 RB=273@0**



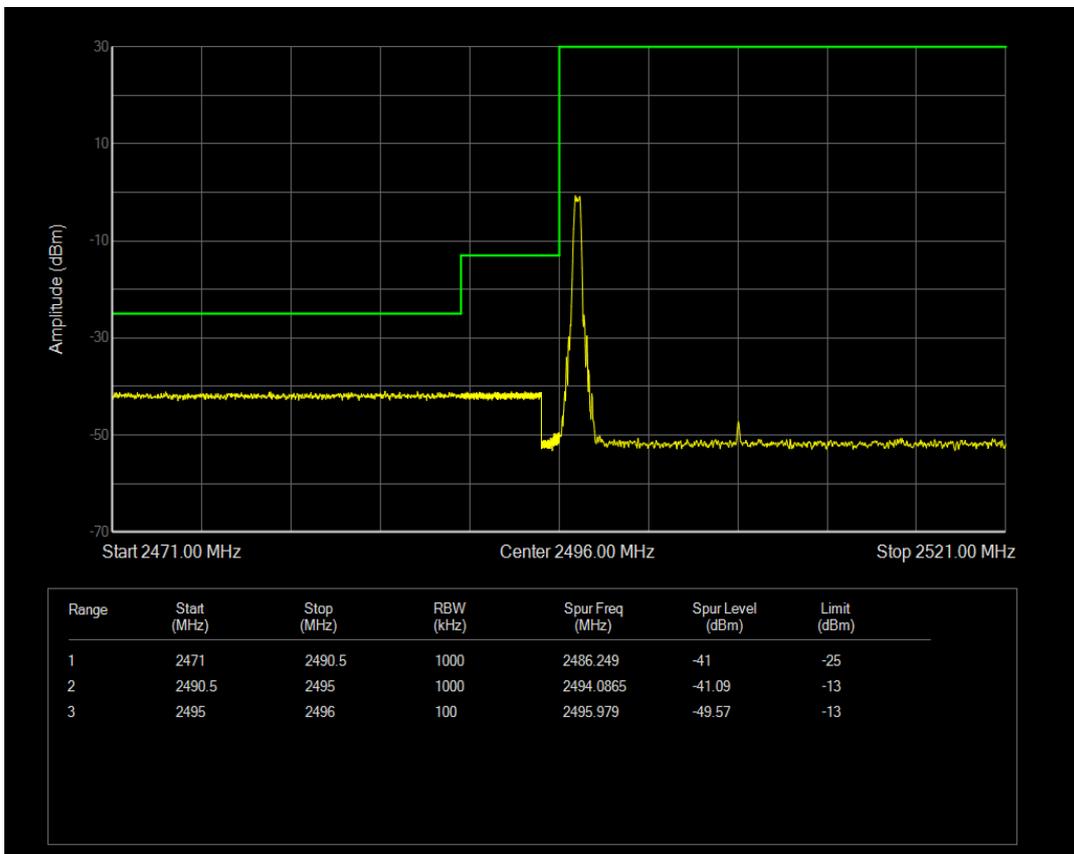
*n41 SCS=30kHz CP\_QPSK BW=100MHz Channel=509202 RB=1@272*



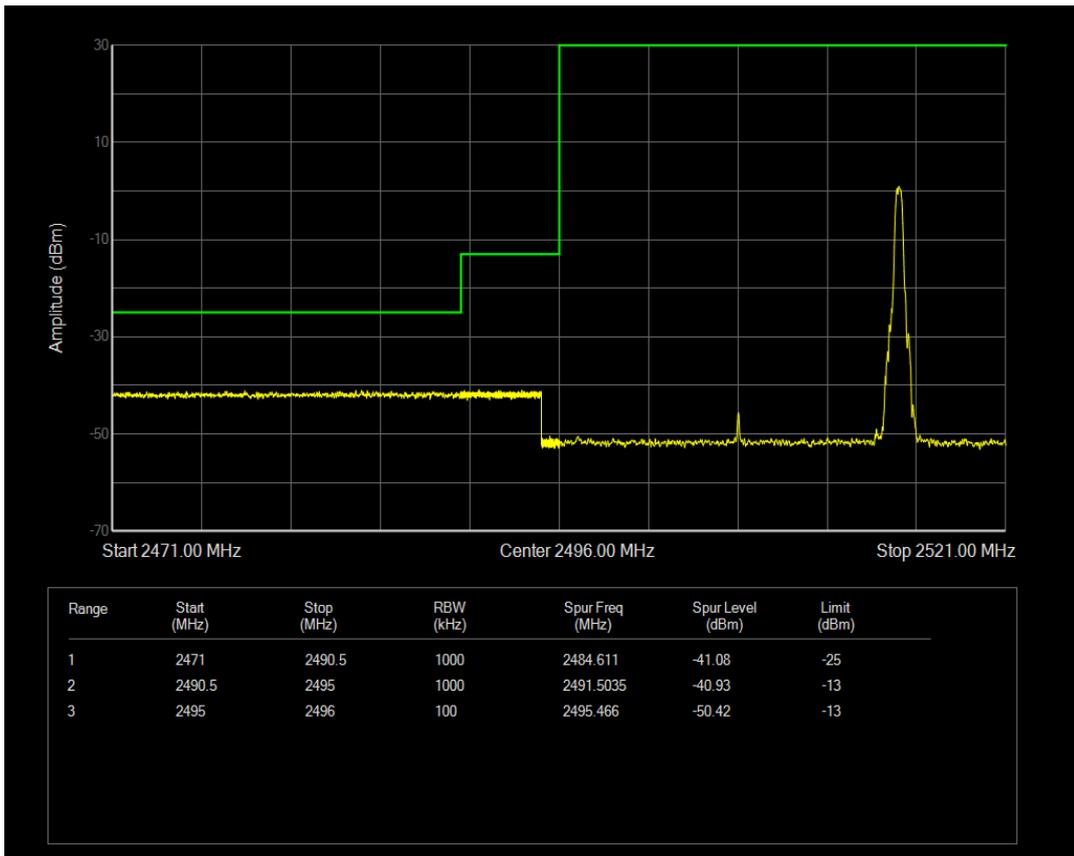
*n41 SCS=30kHz CP\_QPSK BW=100MHz Channel=509202 RB=1@0*



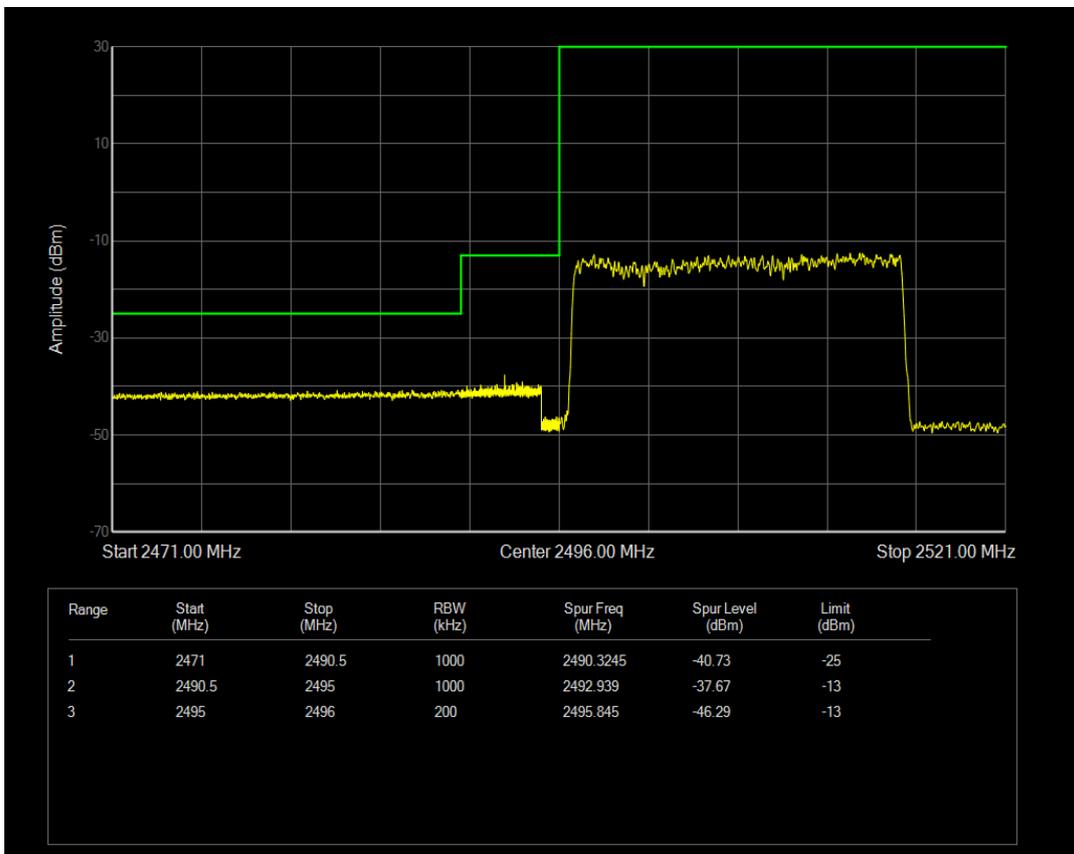
**n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=501204 RB=1@0**



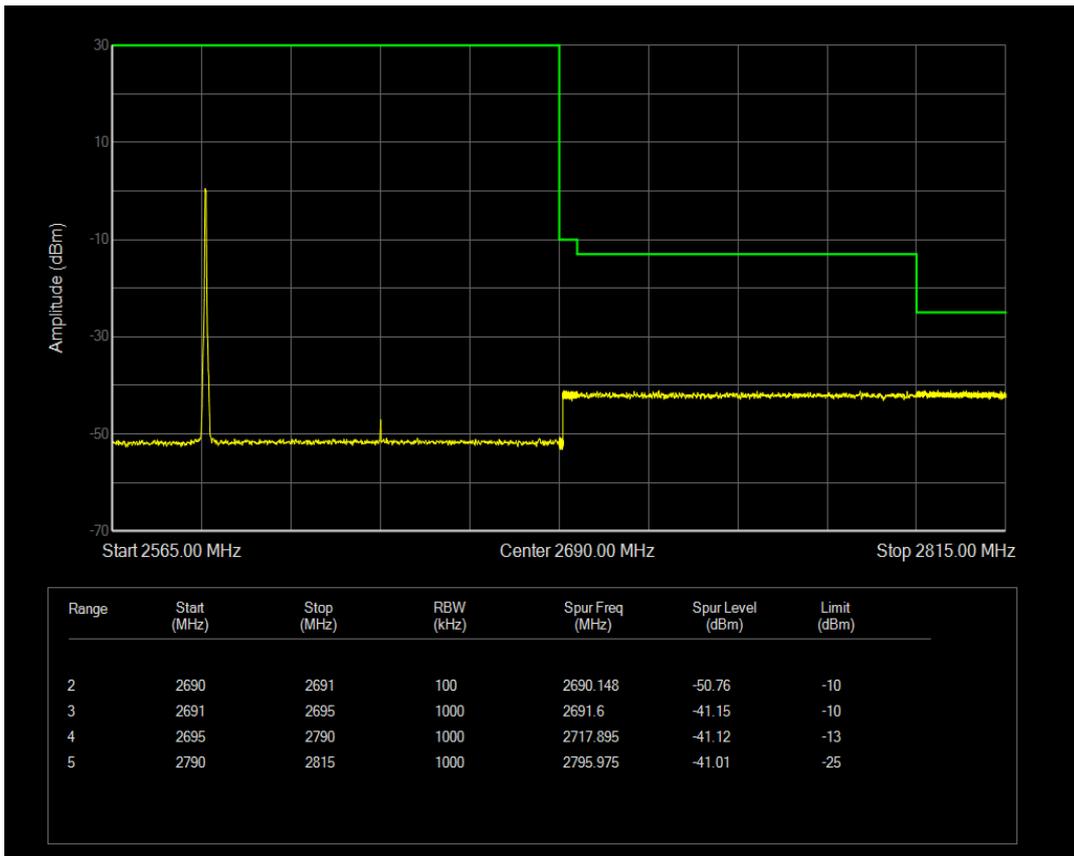
**n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=501204 RB=1@50**



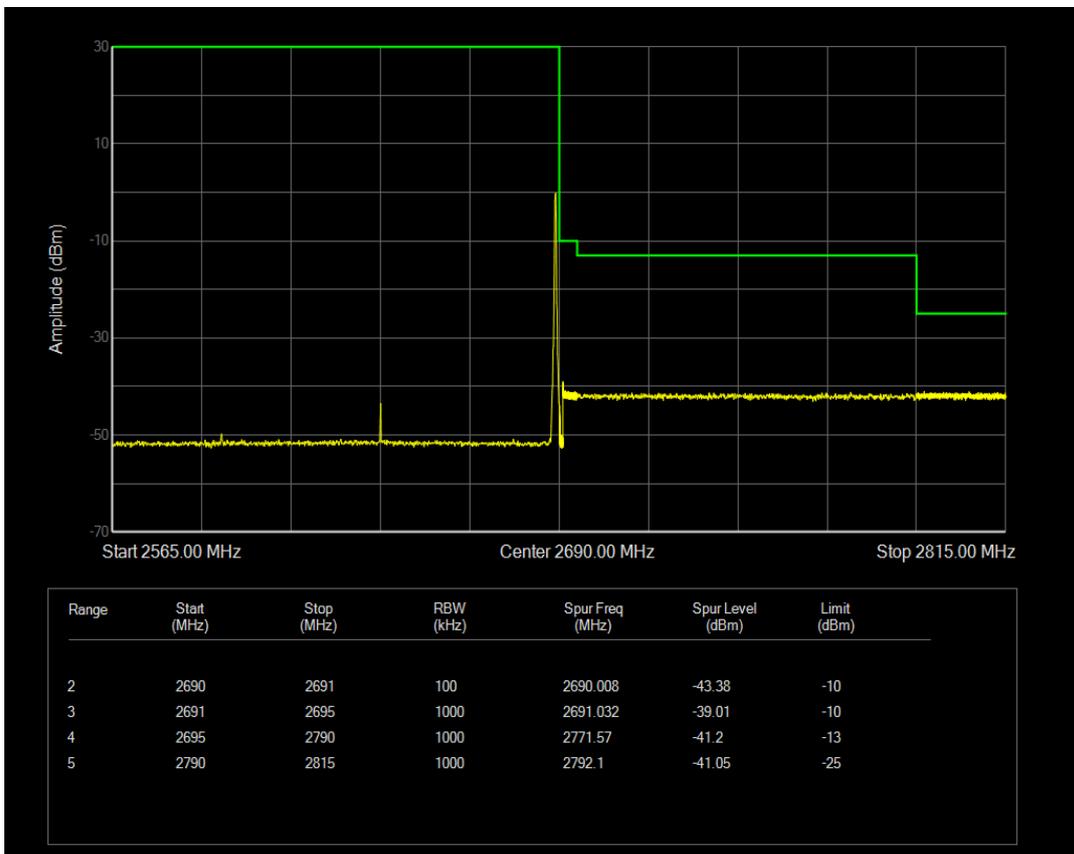
**n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=501204 RB=51 @0**



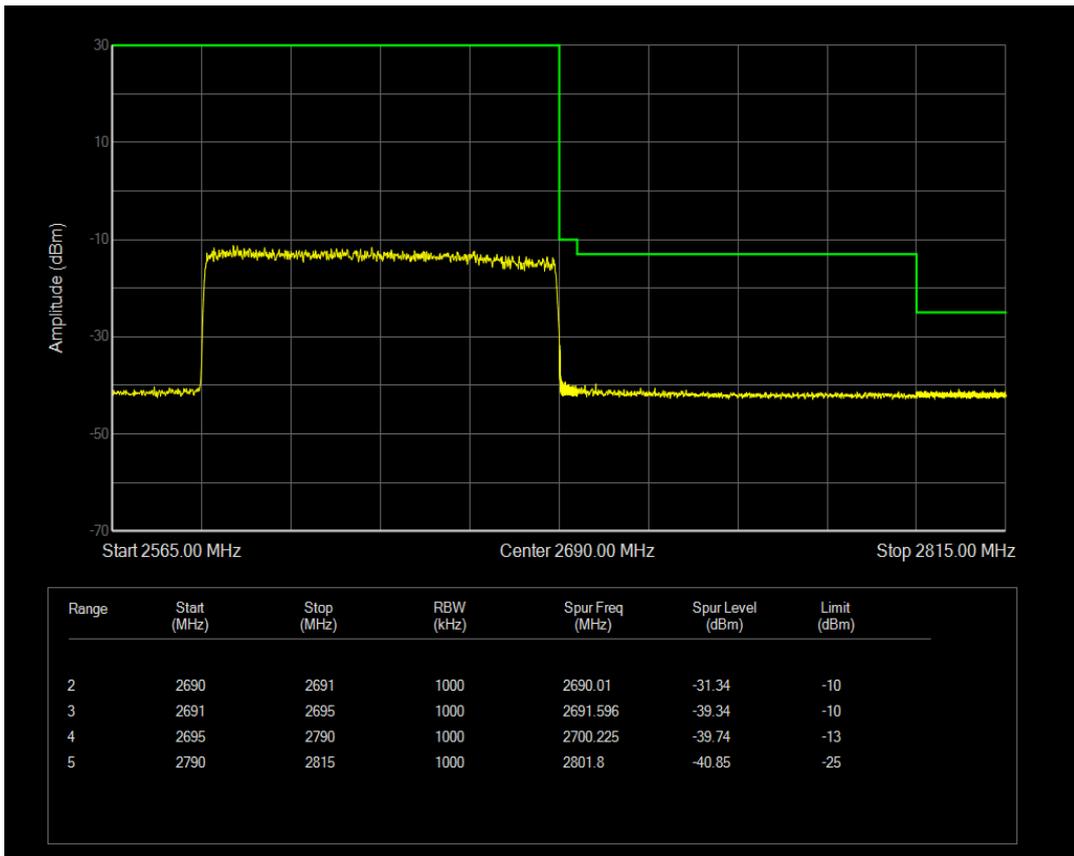
**n41 SCS=30kHz CP\_QPSK BW=100MHz Channel=528000 RB=1 @0**



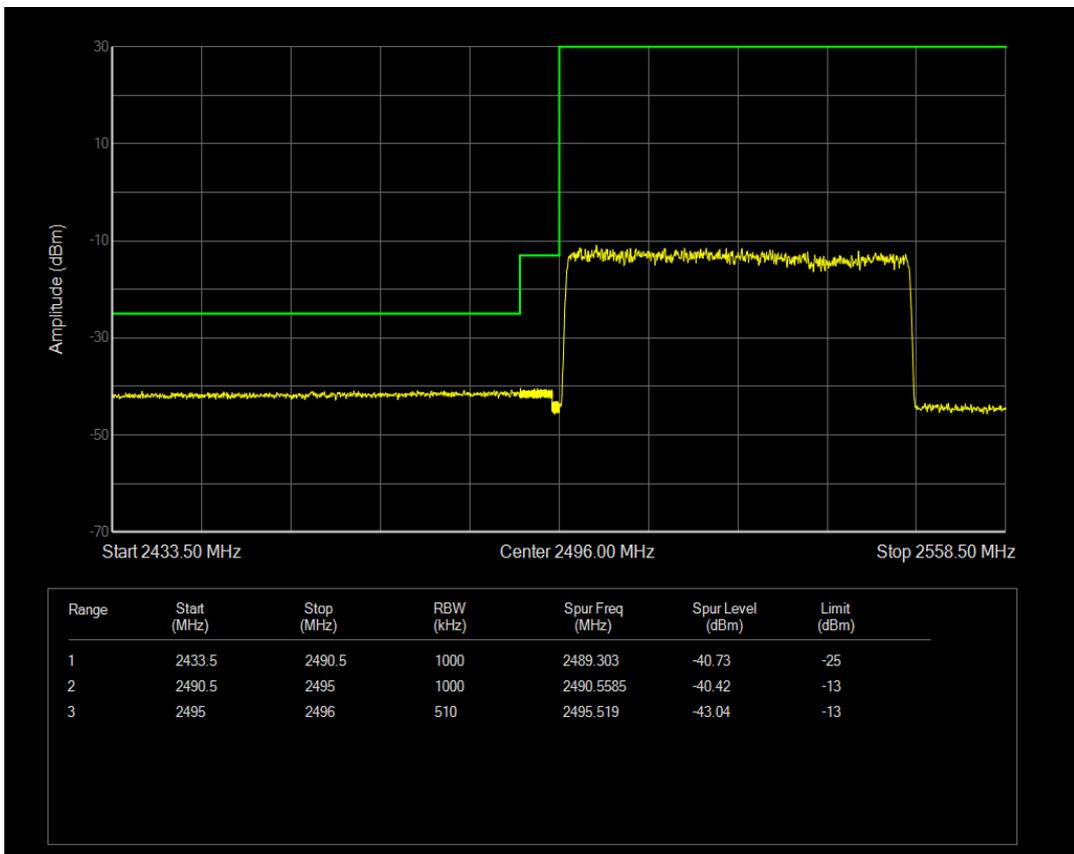
**n41 SCS=30kHz CP\_QPSK BW=100MHz Channel=528000 RB=1@272**



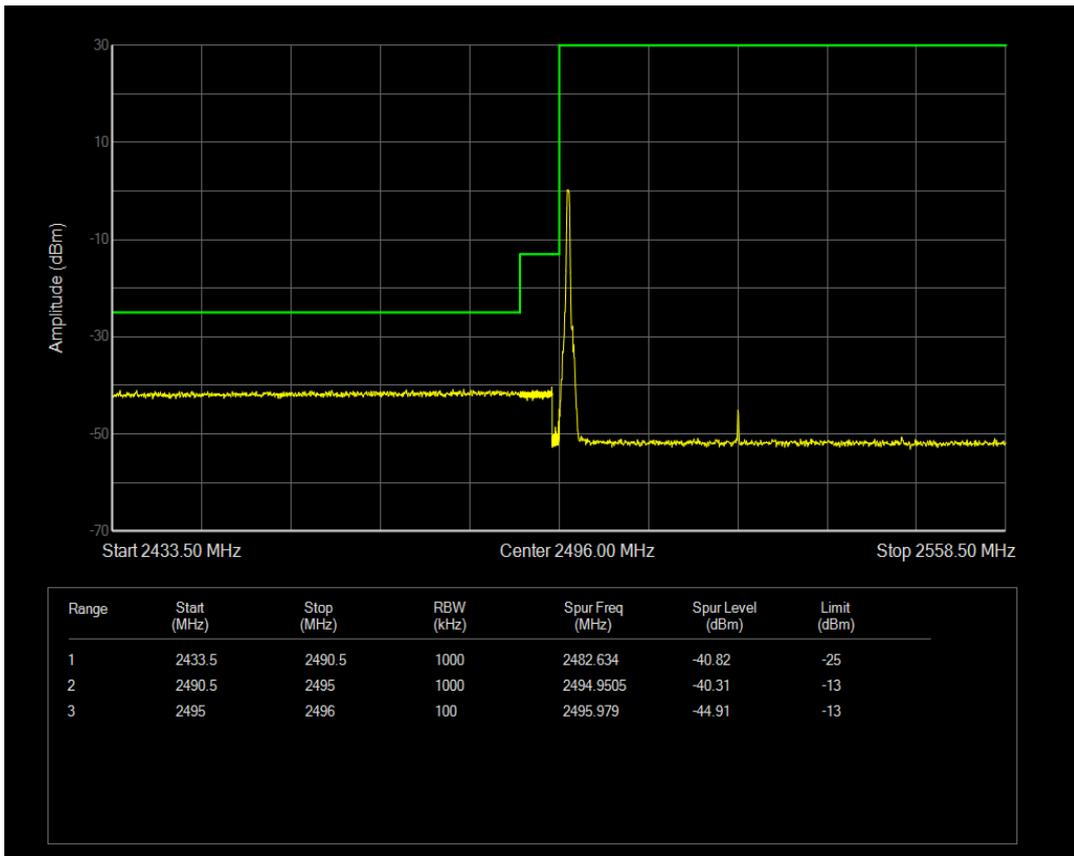
**n41 SCS=30kHz CP\_QPSK BW=100MHz Channel=528000 RB=273@0**



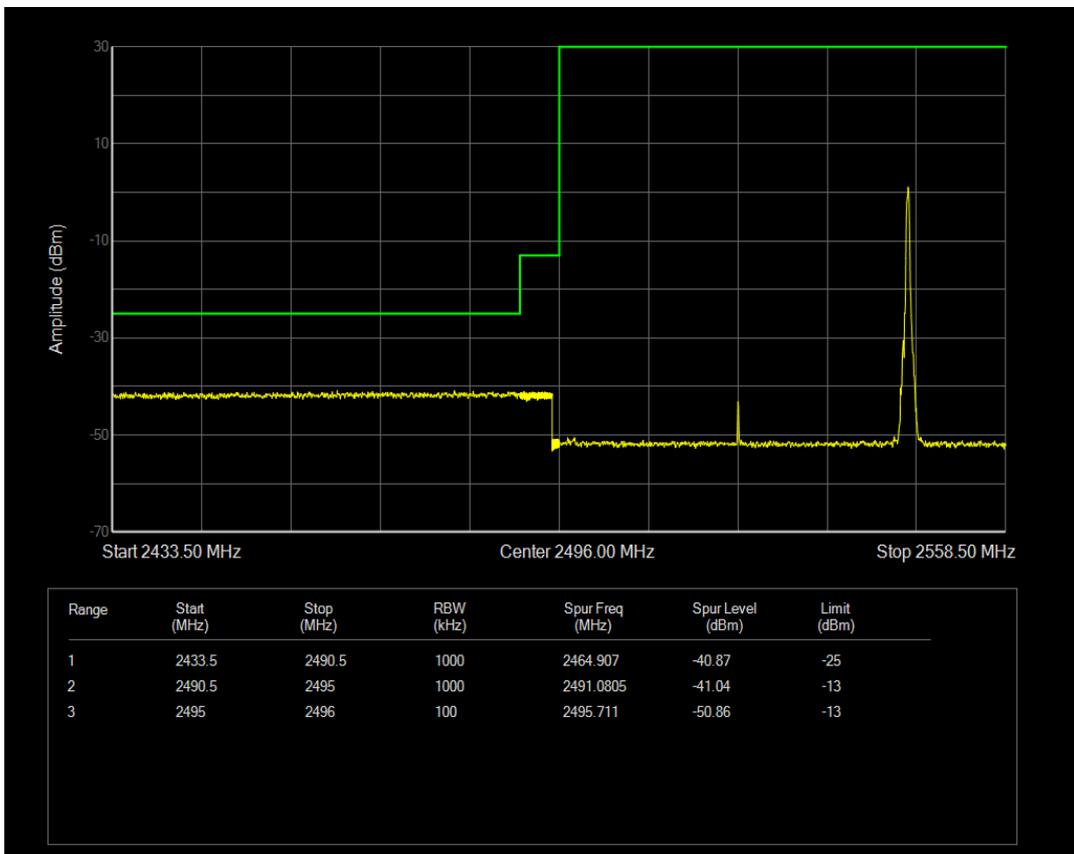
**n41 SCS=30kHz CP\_QPSK BW=50MHz Channel=504204 RB=133@0**



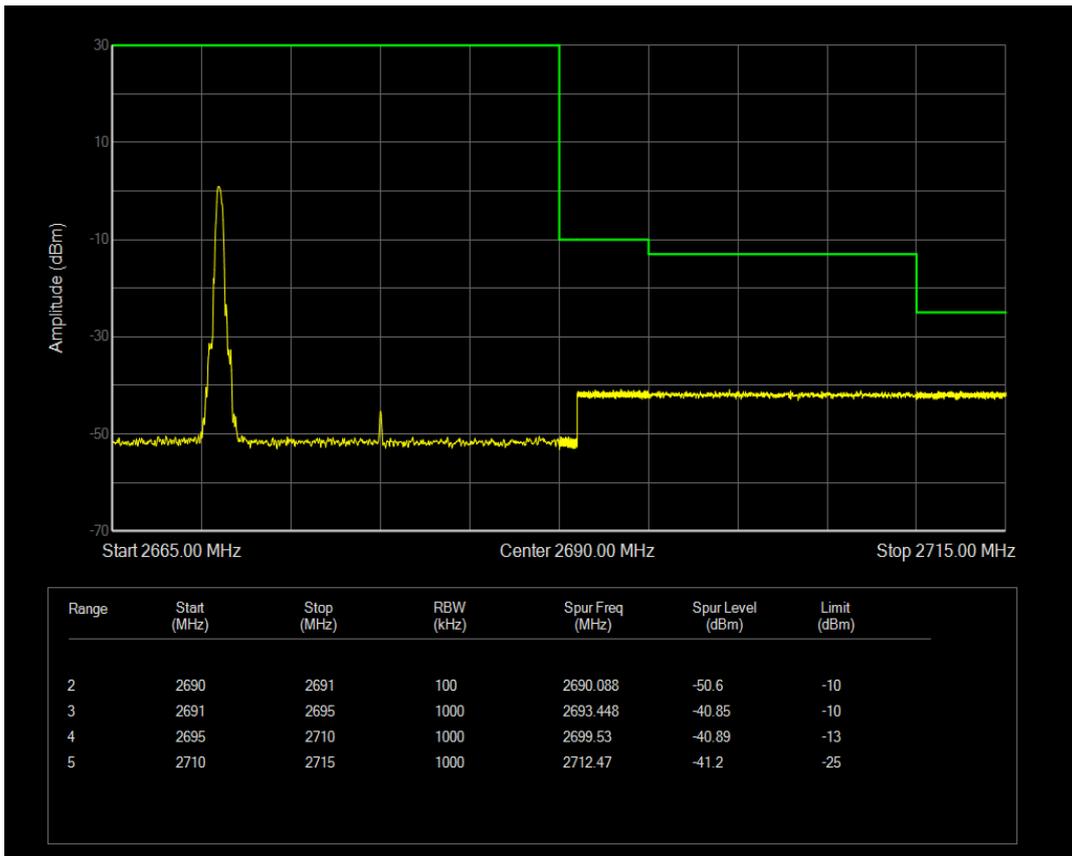
**n41 SCS=30kHz CP\_QPSK BW=50MHz Channel=504204 RB=1@0**



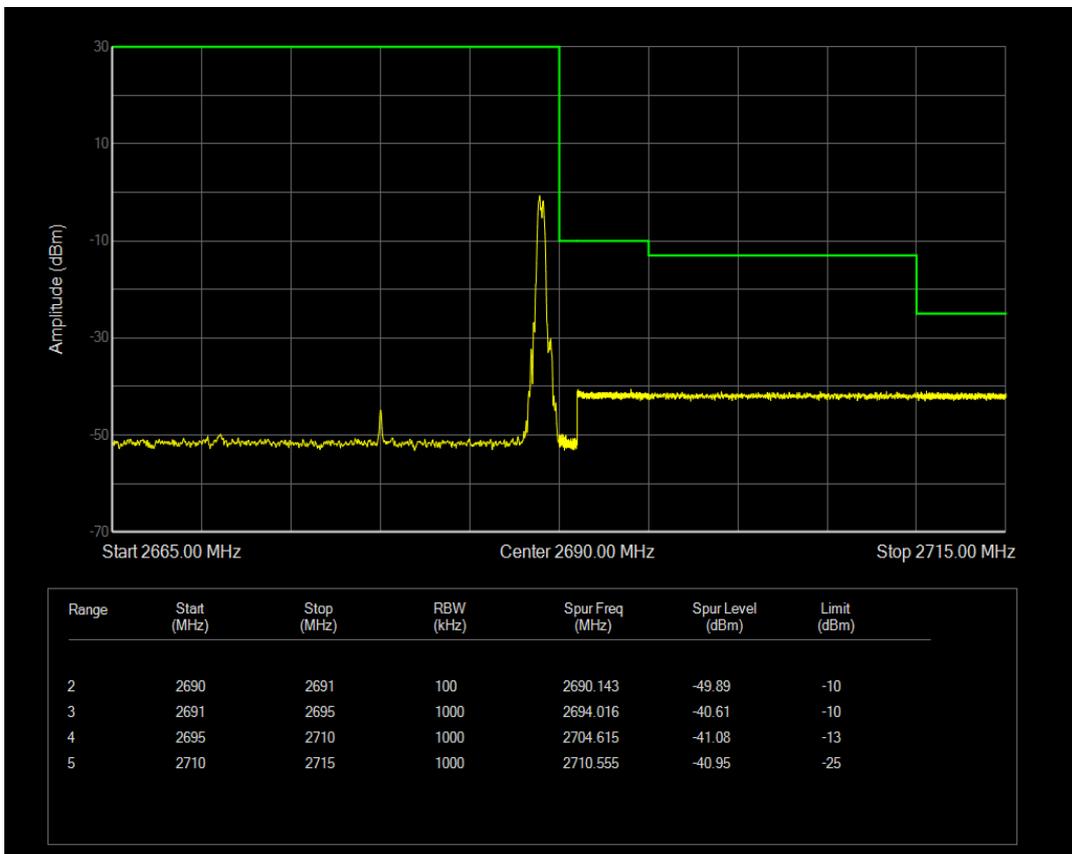
**n41 SCS=30kHz CP\_QPSK BW=50MHz Channel=504204 RB=1@132**



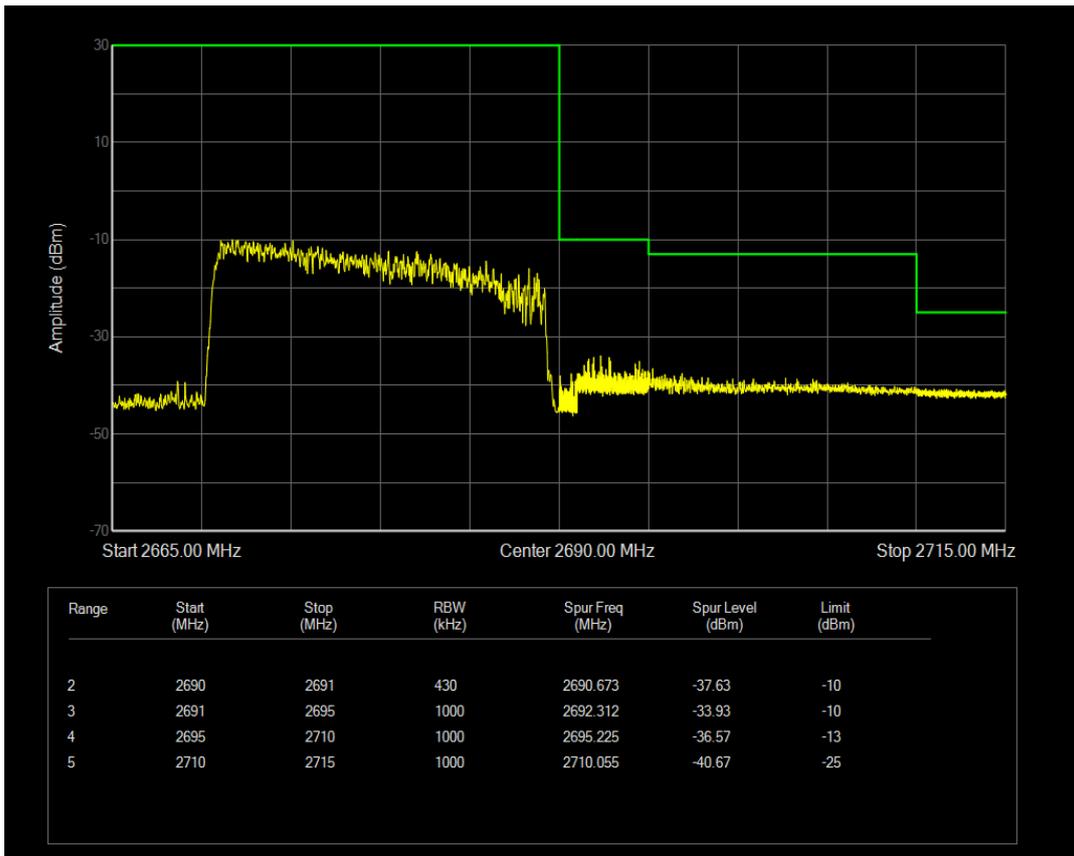
**n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=535998 RB=1@0**



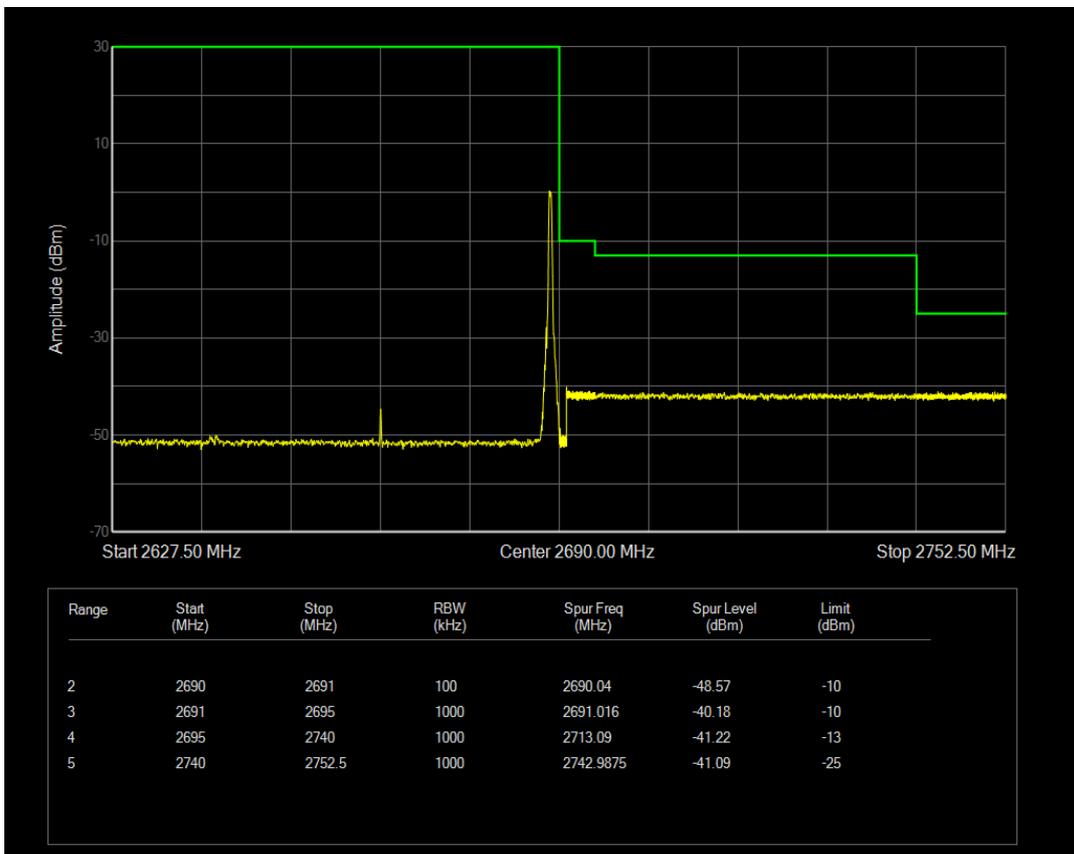
**n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=535998 RB=1@50**



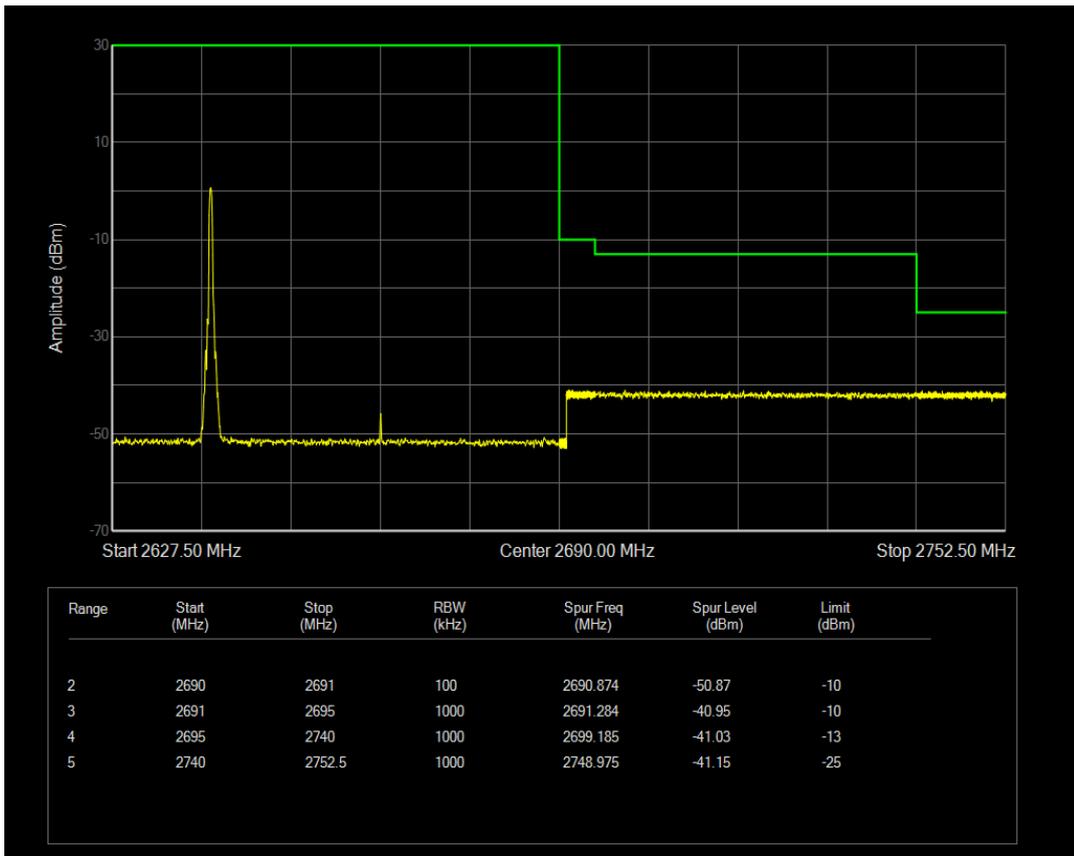
**n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=535998 RB=51@0**



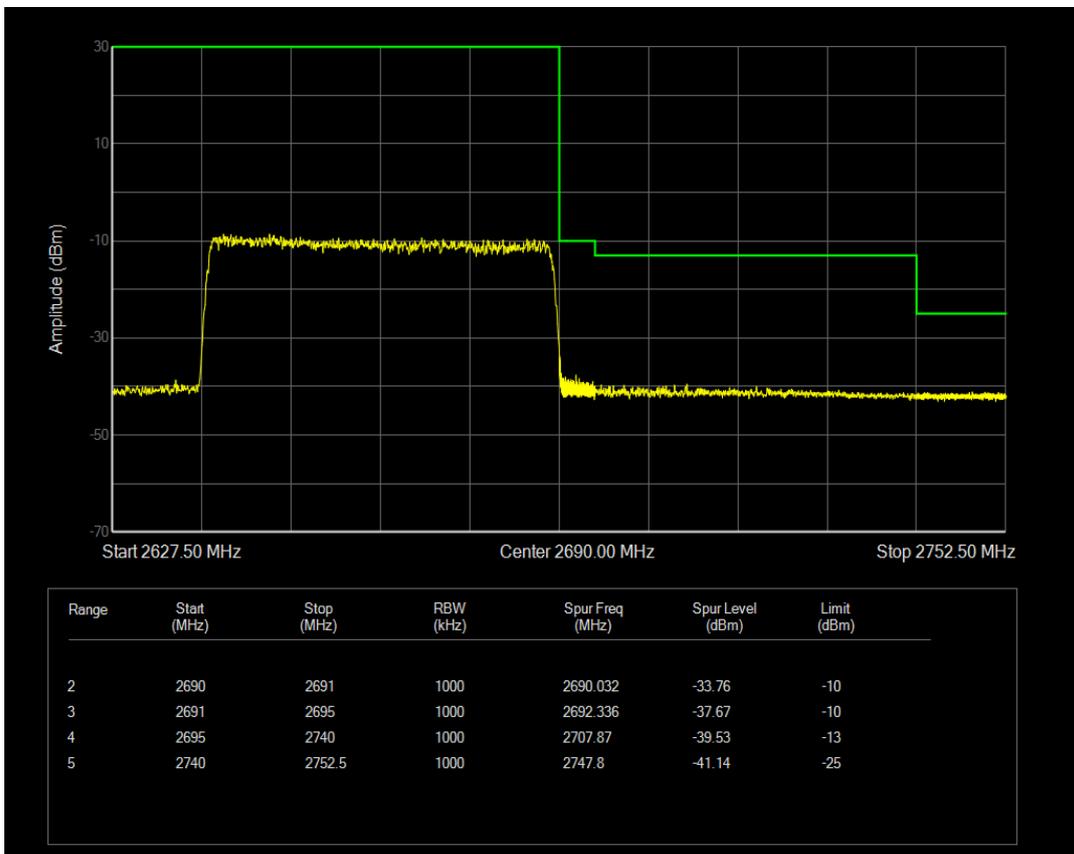
**n41 SCS=30kHz CP\_QPSK BW=50MHz Channel=532998 RB=1@132**



**n41 SCS=30kHz CP\_QPSK BW=50MHz Channel=532998 RB=1@0**



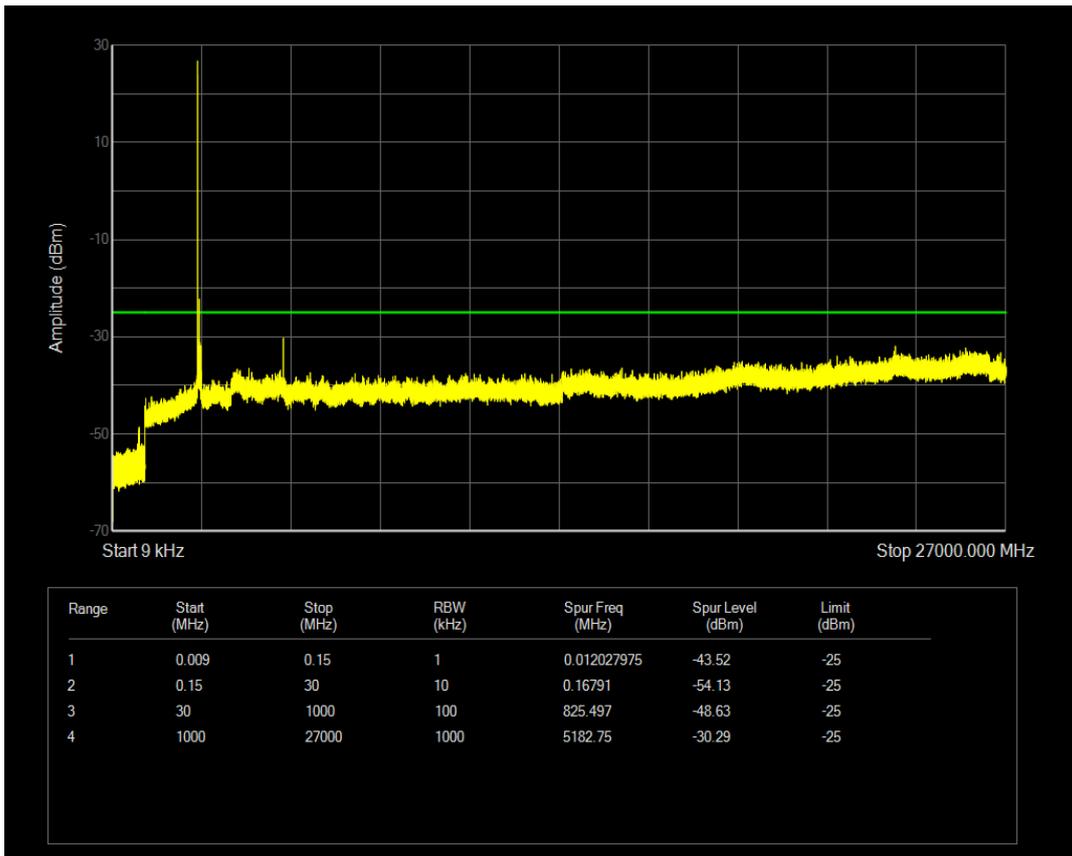
**n41 SCS=30kHz CP\_QPSK BW=50MHz Channel=532998 RB=133@0**



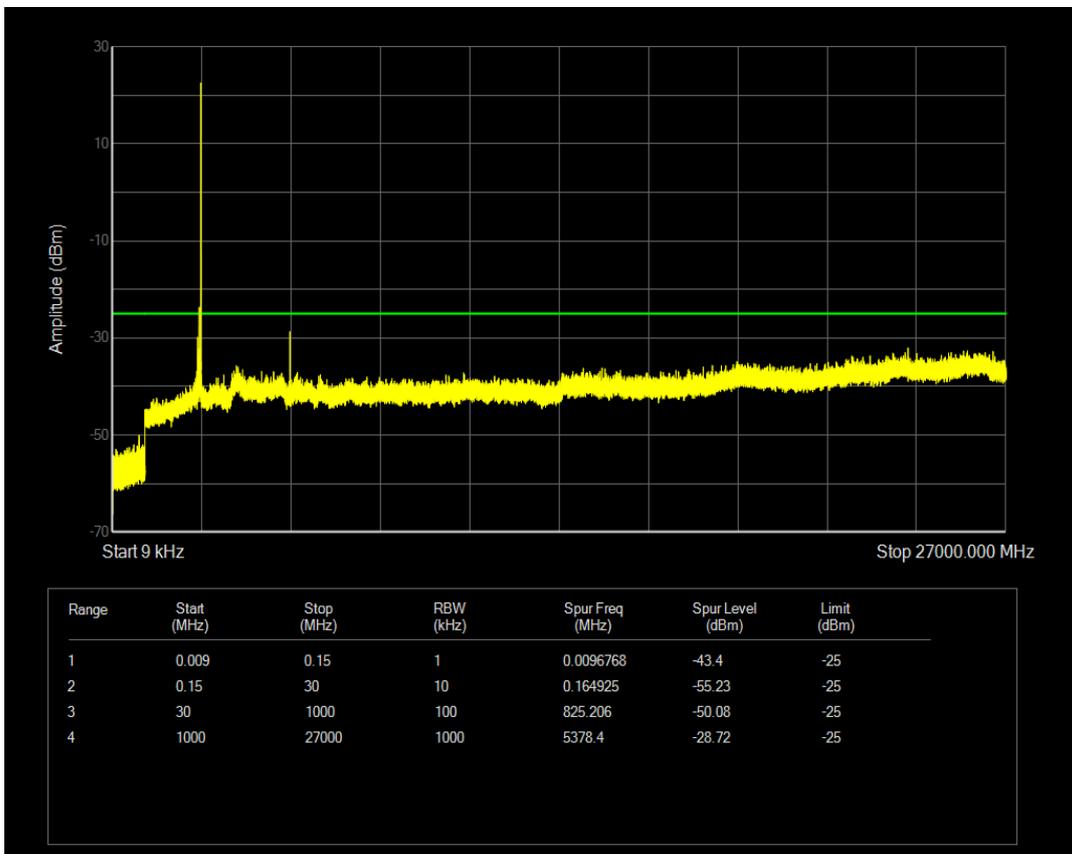
## 6 Out-of-band emissions for NR FR1

<b>Band</b>	<b>SCS (kHz)</b>	<b>Bandwidth (MHz)</b>	<b>UL Channel</b>	<b>RB Allocation</b>	<b>Modulation</b>	<b>Spur Freq (MHz)</b>	<b>Spur Level (dBm)</b>	<b>Limit (dBm)</b>	<b>Verdict</b>
n41	30	20	501204	51@0	CP_QPSK	25720.80	-32.77	-25	PASS
n41	30	20	501204	1@0	CP_QPSK	26439.05	-31.32	-25	PASS
n41	30	20	501204	1@50	CP_QPSK	26159.55	-32.44	-25	PASS
n41	30	20	535998	51@0	CP_QPSK	23927.45	-31.70	-25	PASS
n41	30	20	535998	1@0	CP_QPSK	5342.00	-26.87	-25	PASS
n41	30	20	535998	1@50	CP_QPSK	5378.40	-27.20	-25	PASS
n41	30	50	504204	133@0	CP_QPSK	26156.30	-32.84	-25	PASS
n41	30	50	504204	1@0	CP_QPSK	25761.75	-32.05	-25	PASS
n41	30	50	504204	1@132	CP_QPSK	23876.75	-32.35	-25	PASS
n41	30	50	532998	133@0	CP_QPSK	25733.15	-32.12	-25	PASS
n41	30	50	532998	1@0	CP_QPSK	5282.85	-26.11	-25	PASS
n41	30	50	532998	1@132	CP_QPSK	5378.40	-29.82	-25	PASS
n41	30	100	509202	273@0	CP_QPSK	25449.10	-32.21	-25	PASS
n41	30	100	509202	1@0	CP_QPSK	25784.50	-30.06	-25	PASS
n41	30	100	509202	1@272	CP_QPSK	5190.55	-31.81	-25	PASS
n41	30	100	528000	273@0	CP_QPSK	23809.15	-32.48	-25	PASS
n41	30	100	528000	1@0	CP_QPSK	5182.75	-30.29	-25	PASS
n41	30	100	528000	1@272	CP_QPSK	5378.40	-28.72	-25	PASS

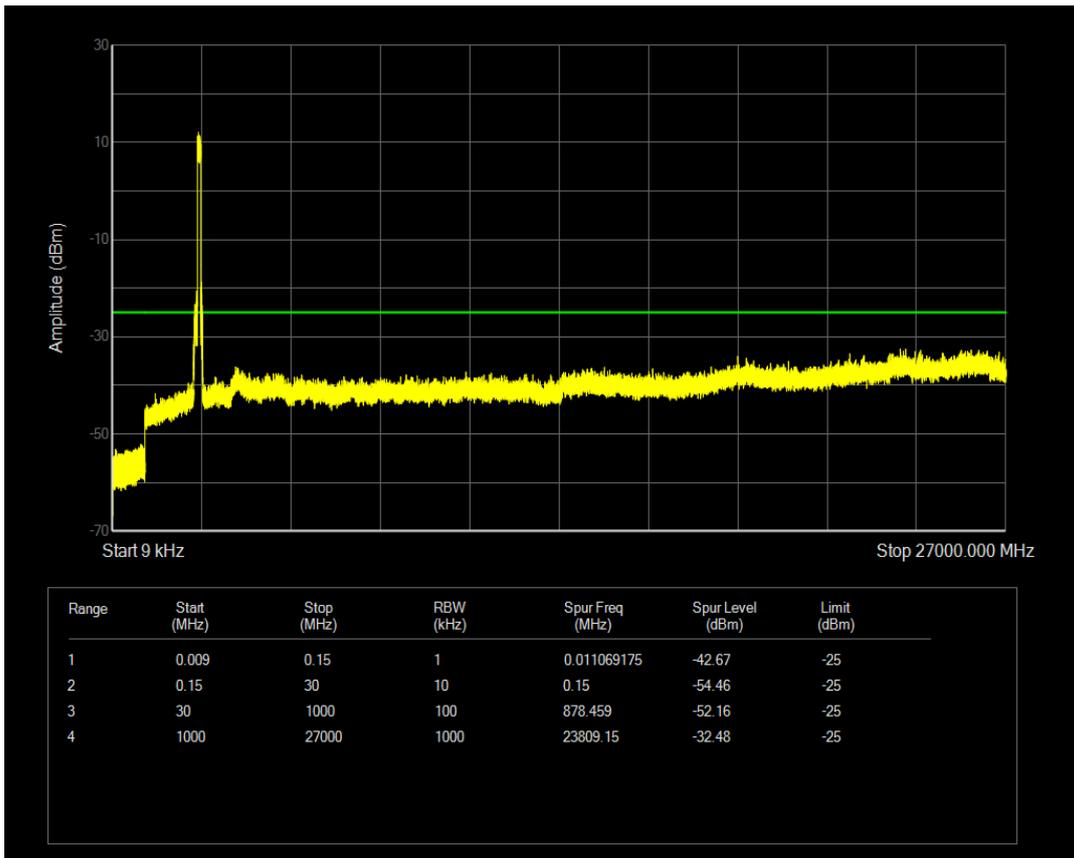
***n41 SCS=30kHz CP\_QPSK BW=100MHz Channel=528000 RB=1@0***



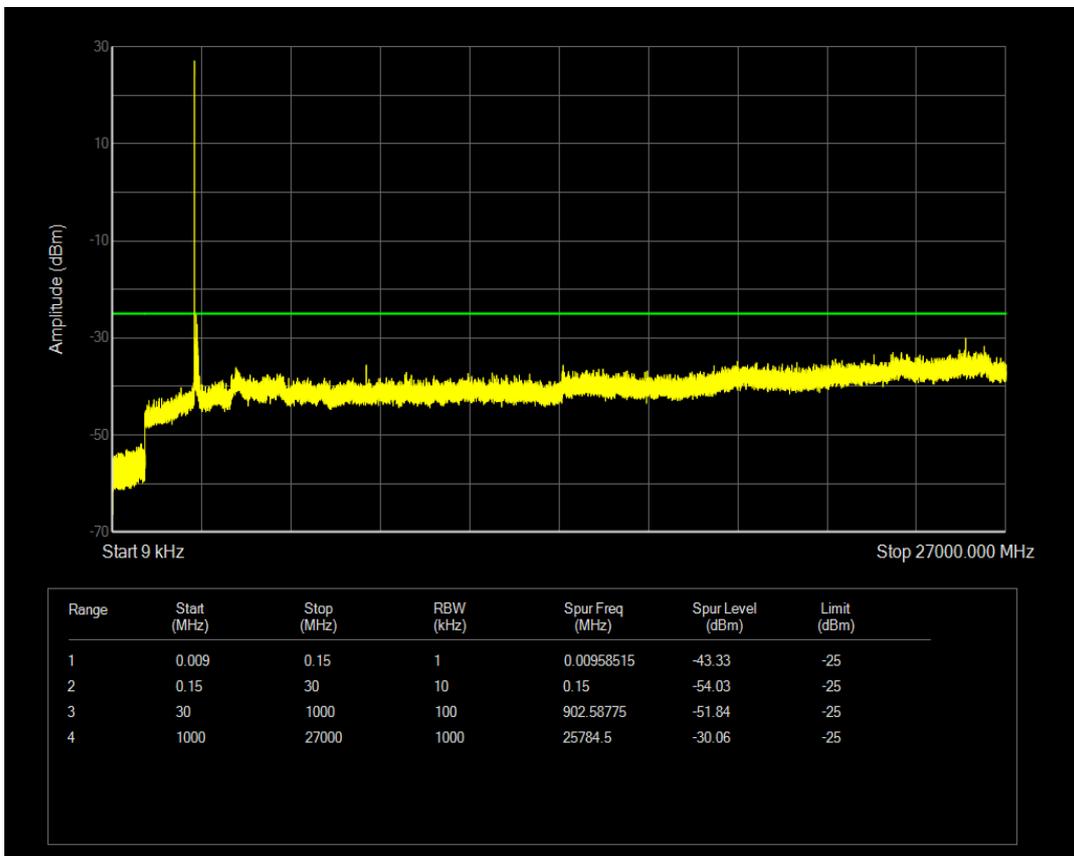
*n41 SCS=30kHz CP\_QPSK BW=100MHz Channel=528000 RB=1@272*



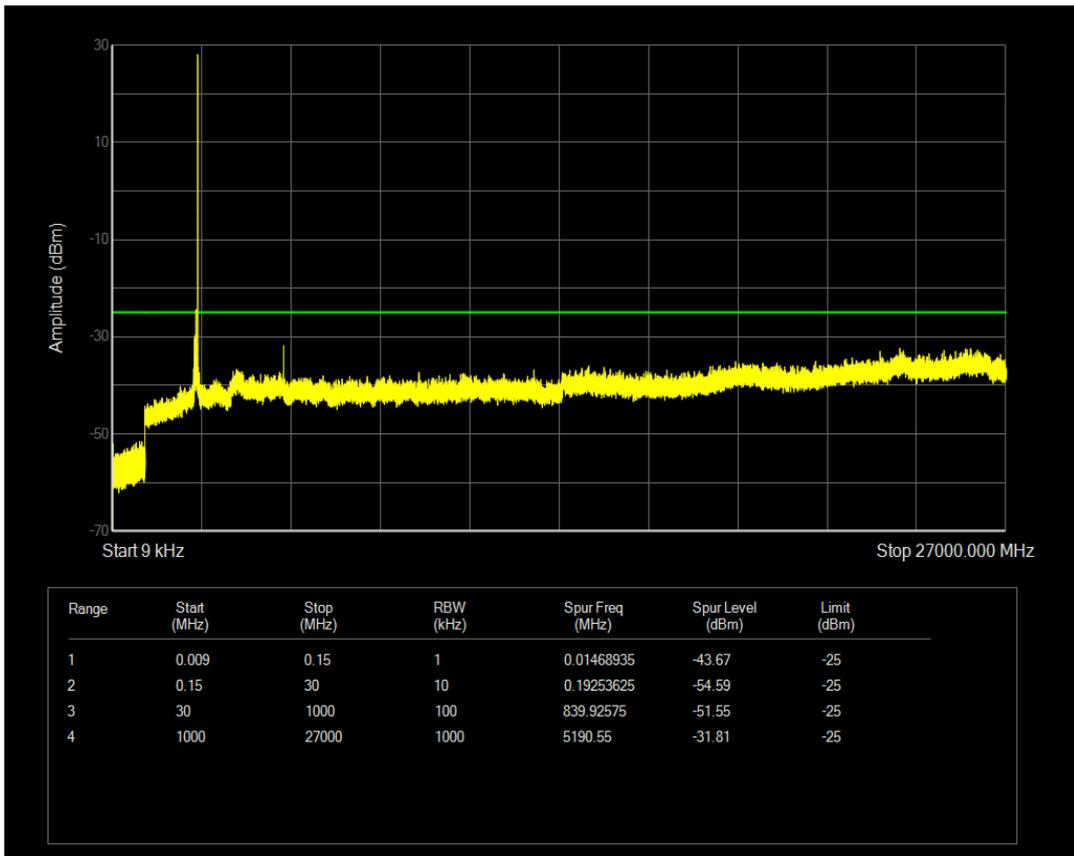
*n41 SCS=30kHz CP\_QPSK BW=100MHz Channel=528000 RB=273@0*



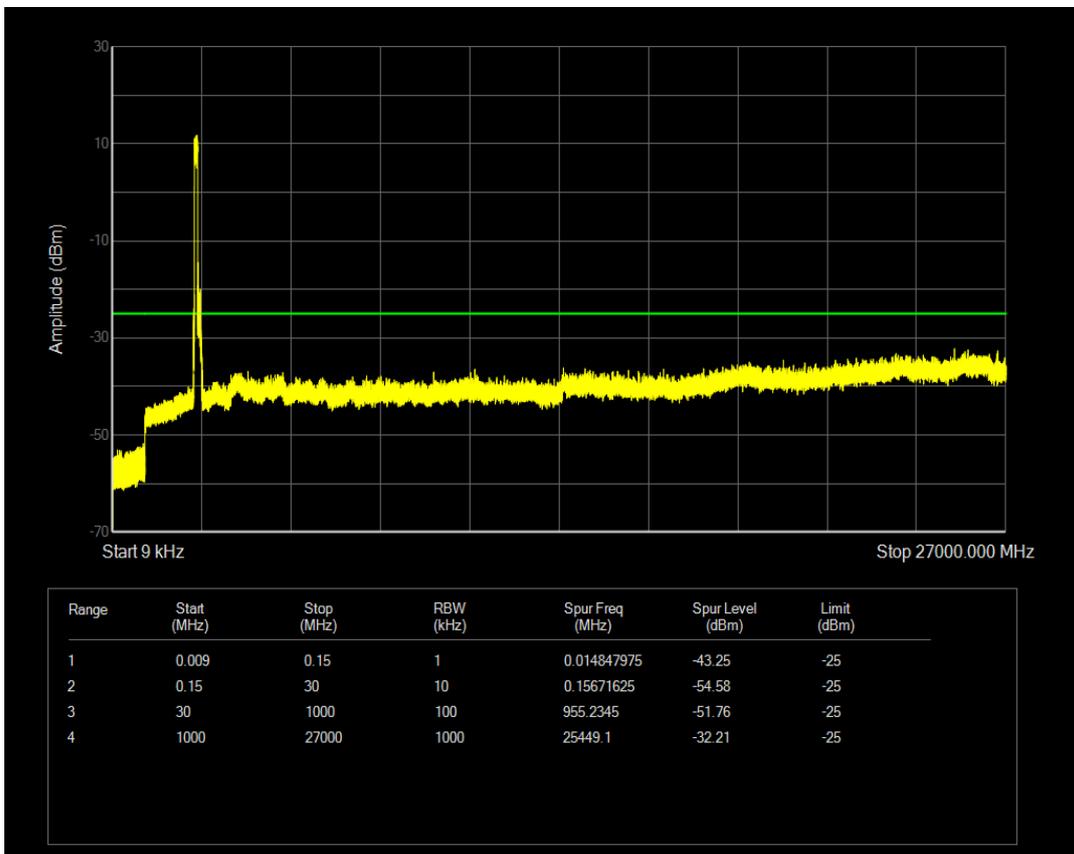
**n41 SCS=30kHz CP\_QPSK BW=100MHz Channel=509202 RB=1@0**



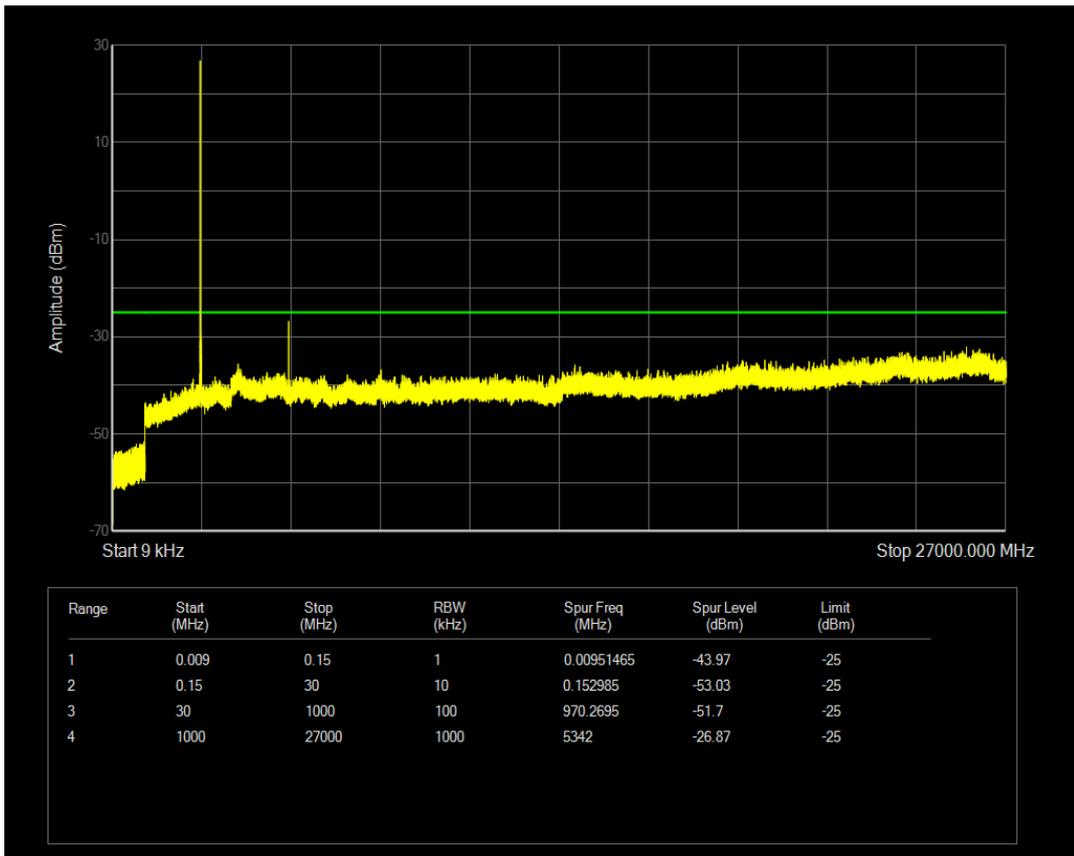
**n41 SCS=30kHz CP\_QPSK BW=100MHz Channel=509202 RB=1@272**



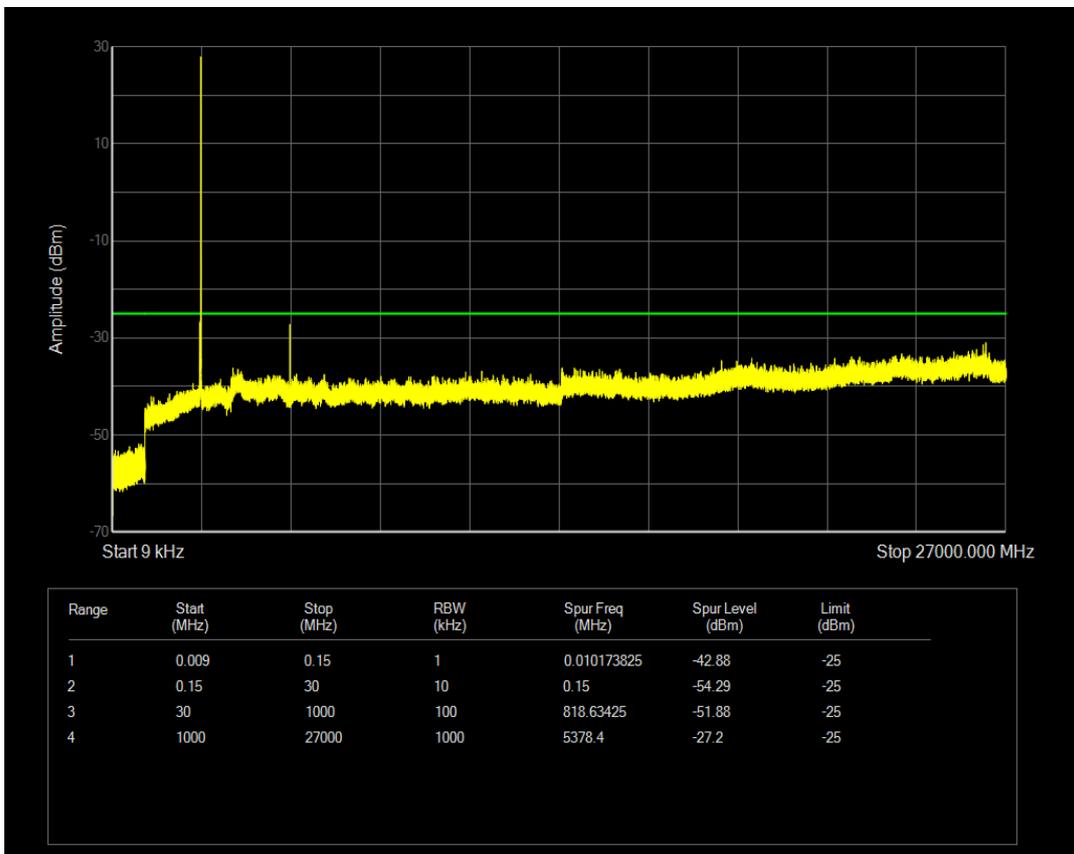
*n41 SCS=30kHz CP\_QPSK BW=100MHz Channel=509202 RB=273@0*



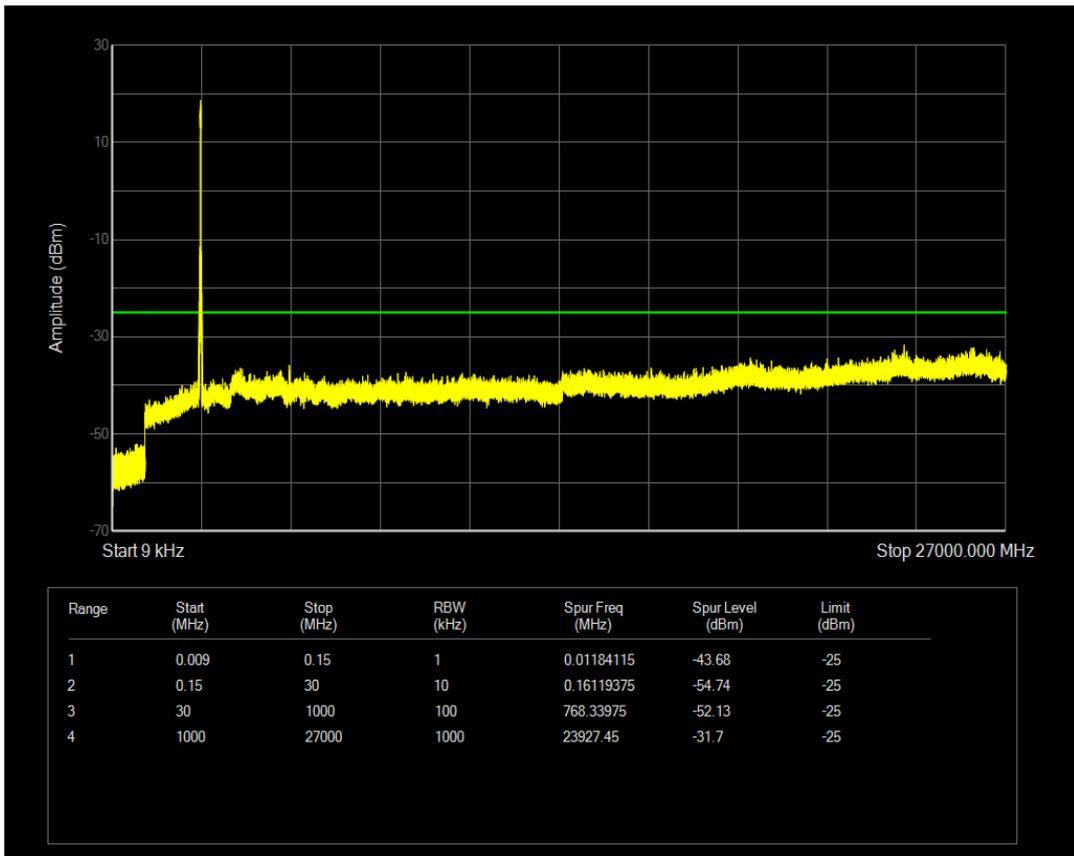
*n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=535998 RB=1@0*



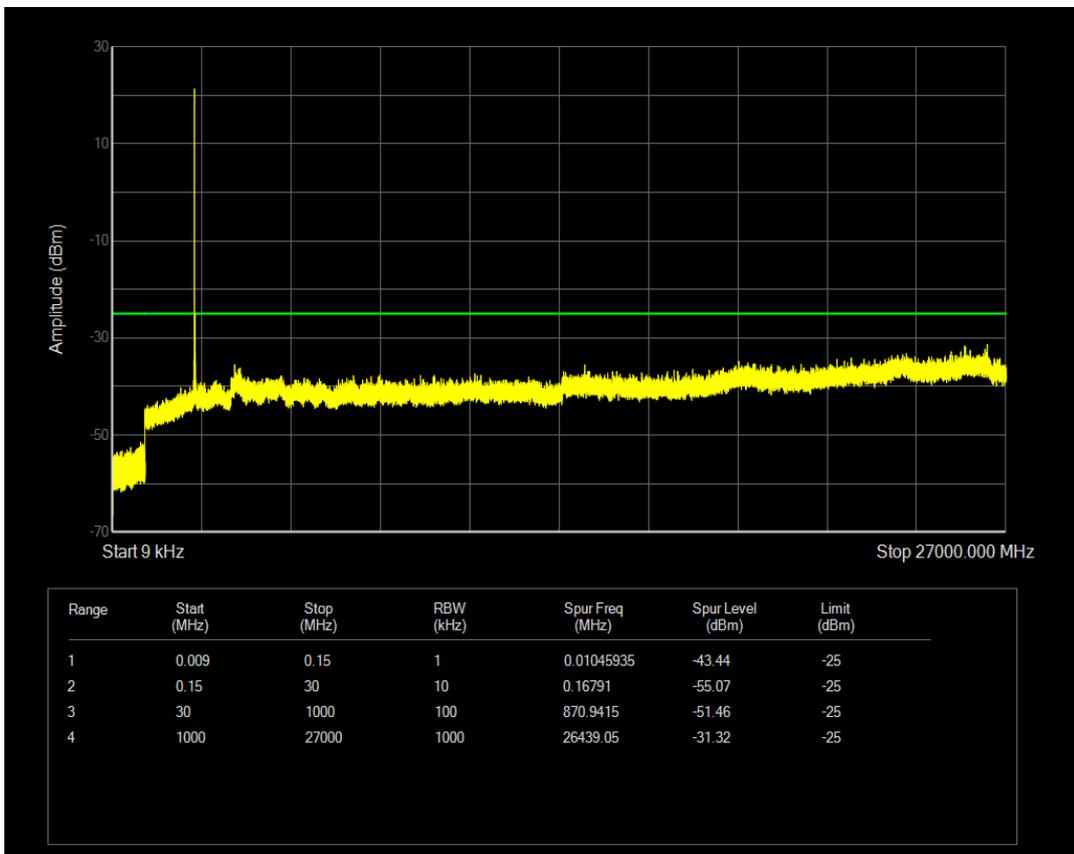
**n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=535998 RB=1@50**



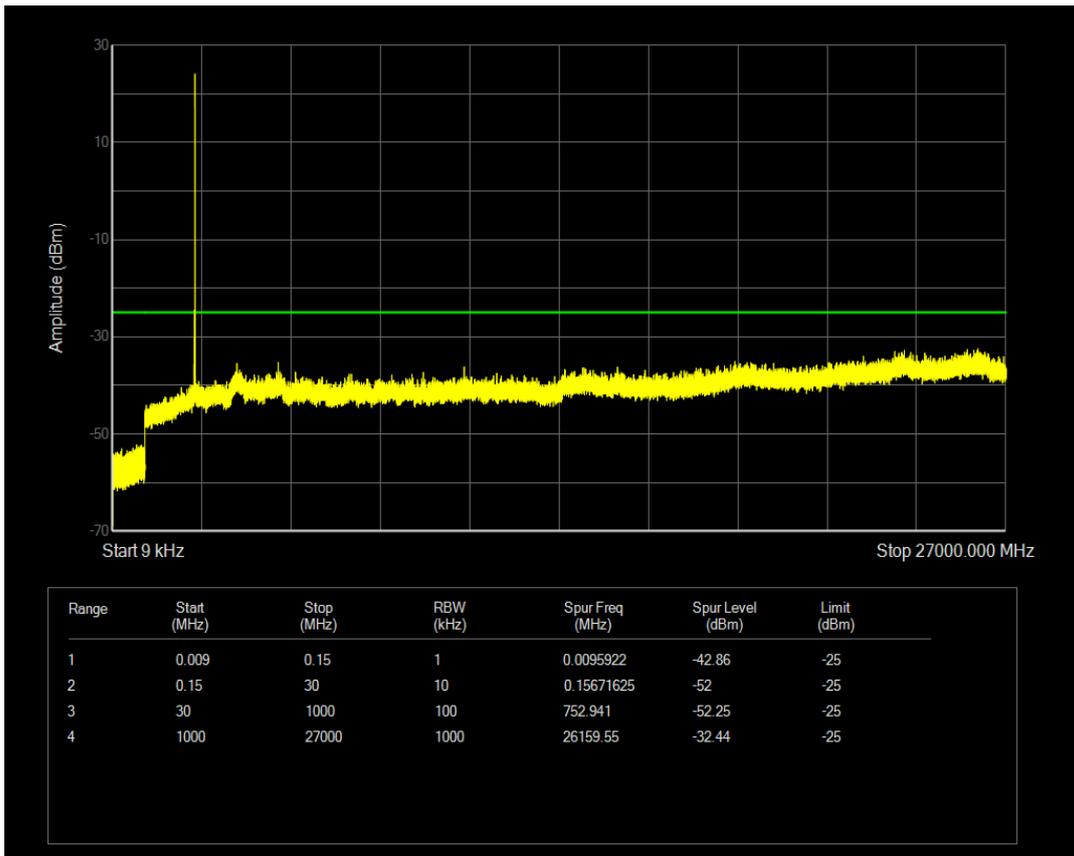
**n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=535998 RB=51@0**



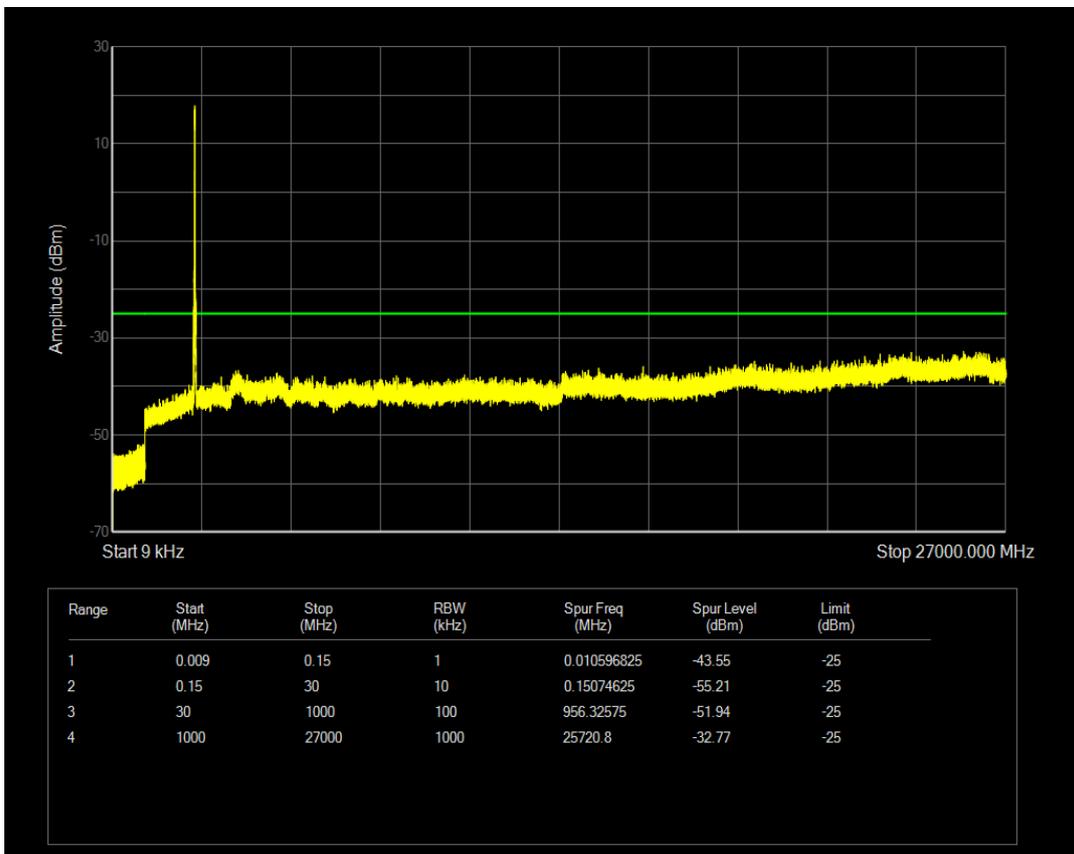
**n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=501204 RB=1@0**



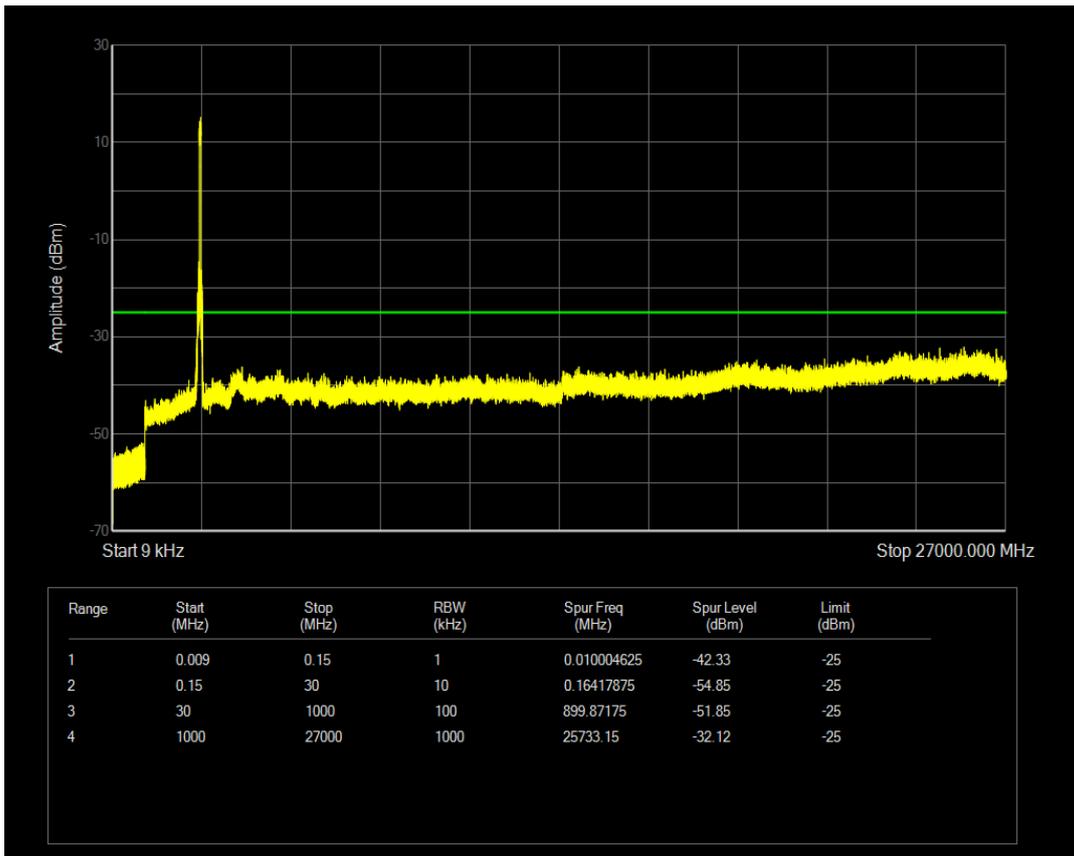
**n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=501204 RB=1@50**



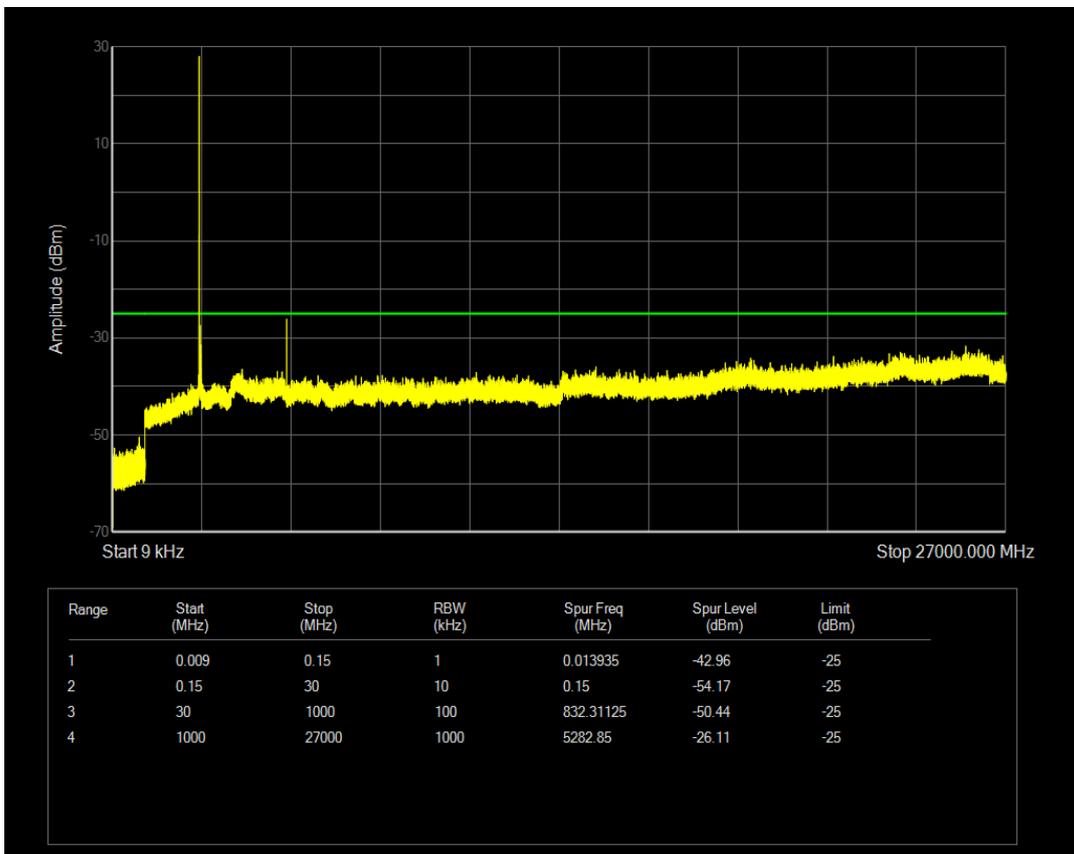
**n41 SCS=30kHz CP\_QPSK BW=20MHz Channel=501204 RB=51@0**



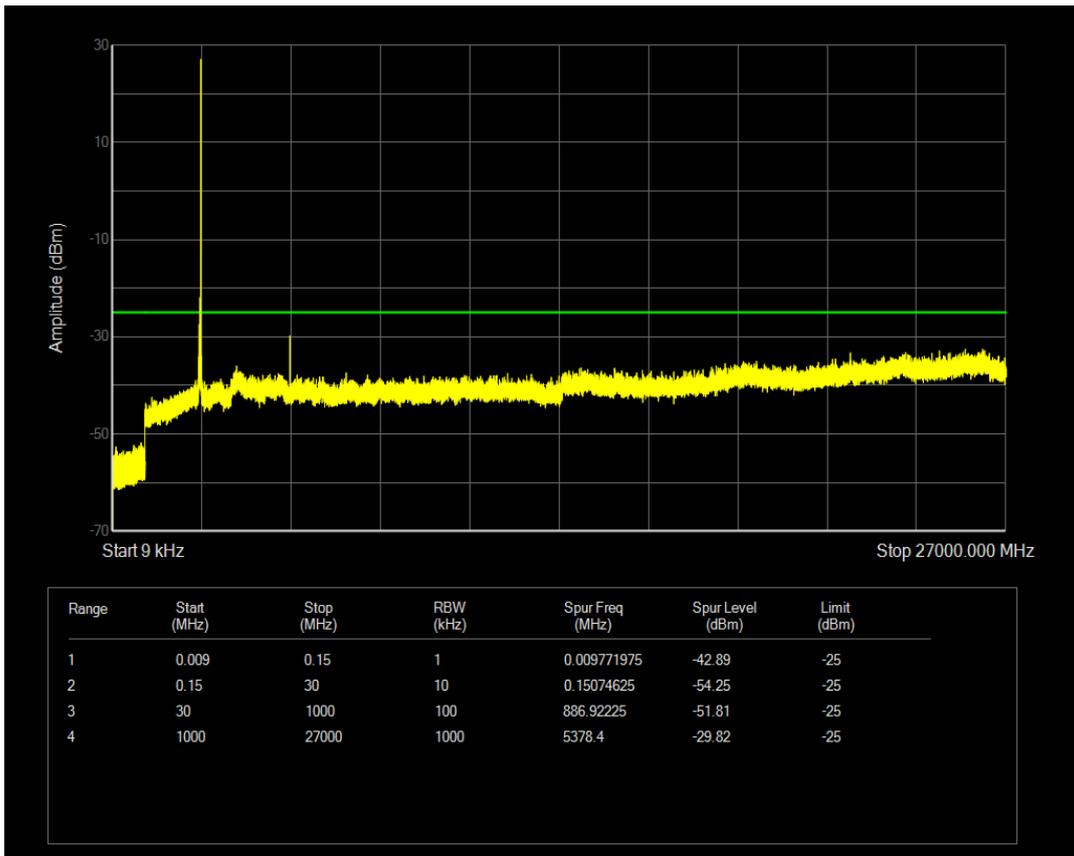
**n41 SCS=30kHz CP\_QPSK BW=50MHz Channel=532998 RB=133@0**



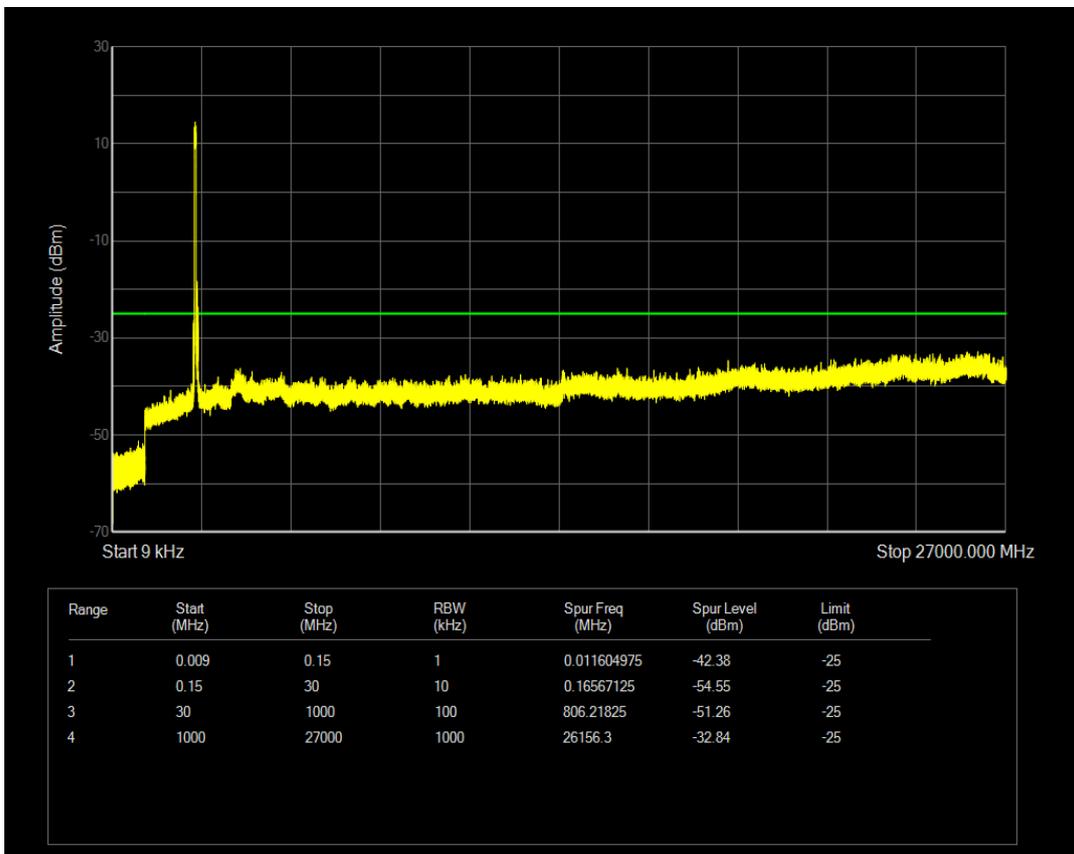
**n41 SCS=30kHz CP\_QPSK BW=50MHz Channel=532998 RB=1@0**



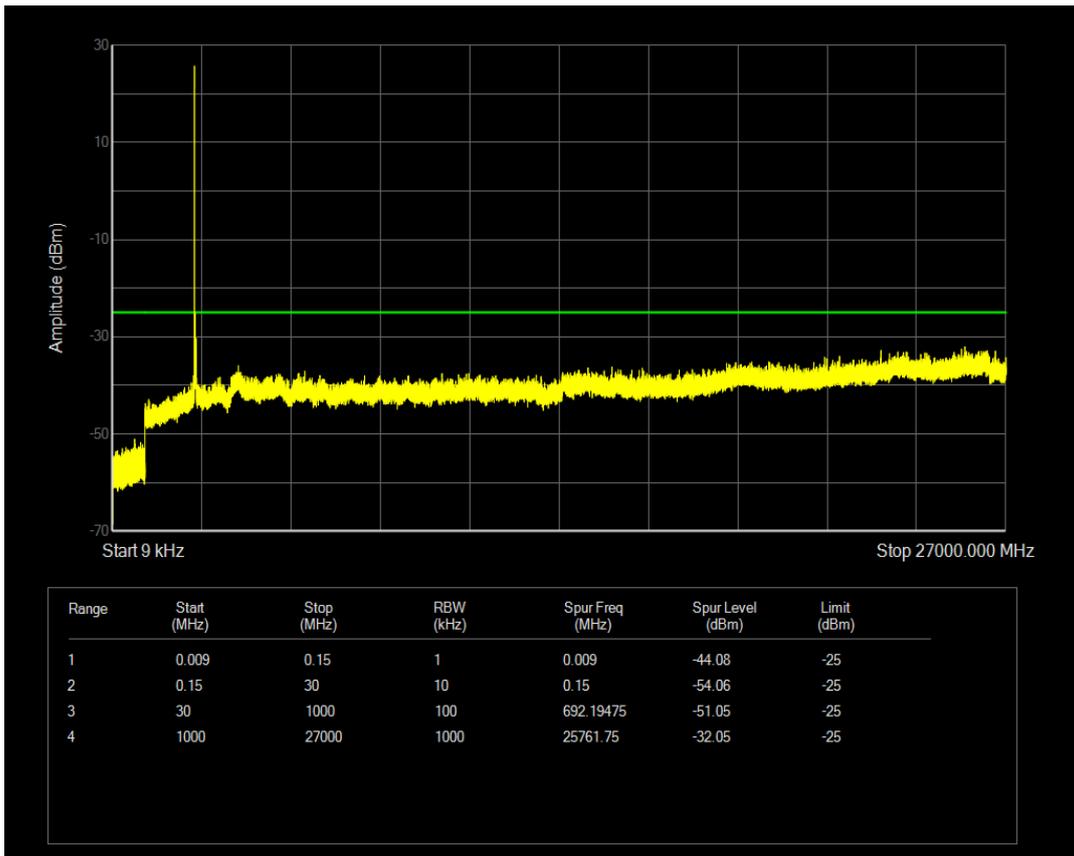
**n41 SCS=30kHz CP\_QPSK BW=50MHz Channel=532998 RB=1@132**



**n41 SCS=30kHz CP\_QPSK BW=50MHz Channel=504204 RB=133@0**



**n41 SCS=30kHz CP\_QPSK BW=50MHz Channel=504204 RB=1@0**



*n41 SCS=30kHz CP\_QPSK BW=50MHz Channel=504204 RB=1@132*

