



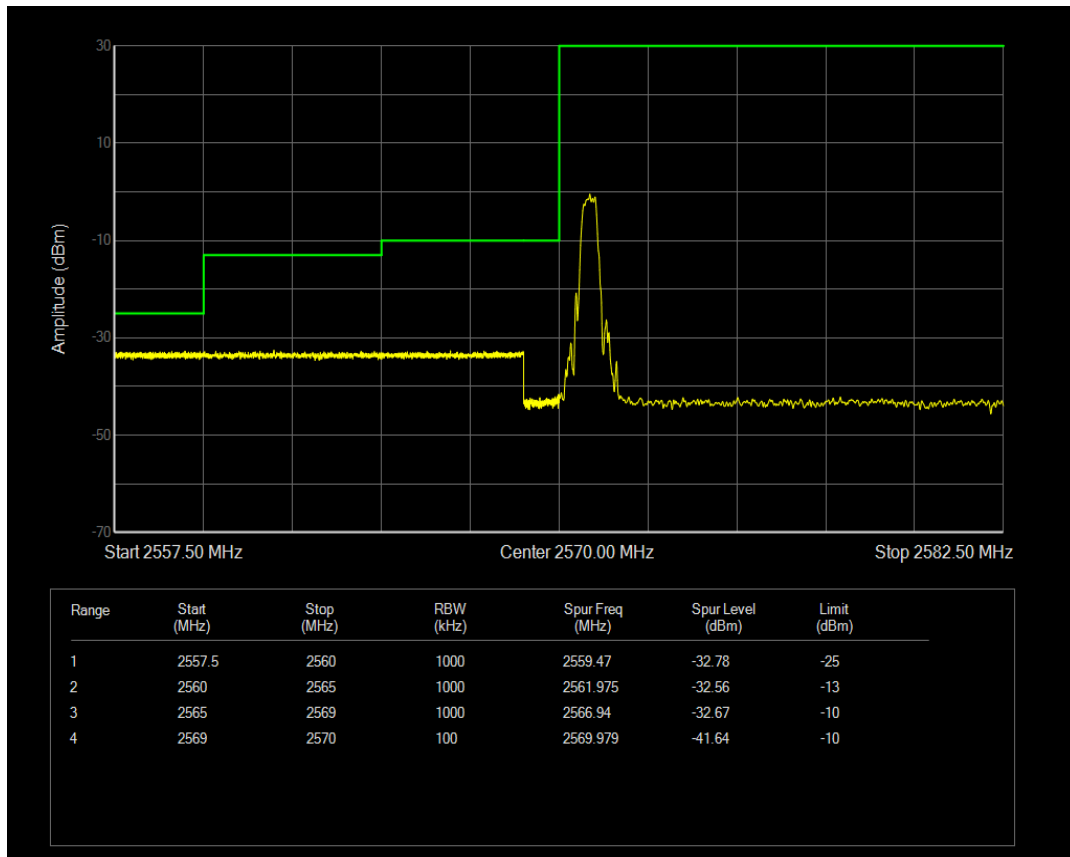
n38 SCS=30kHz DFT_QPSK BW=20MHz Channel=519000 RB=50@0



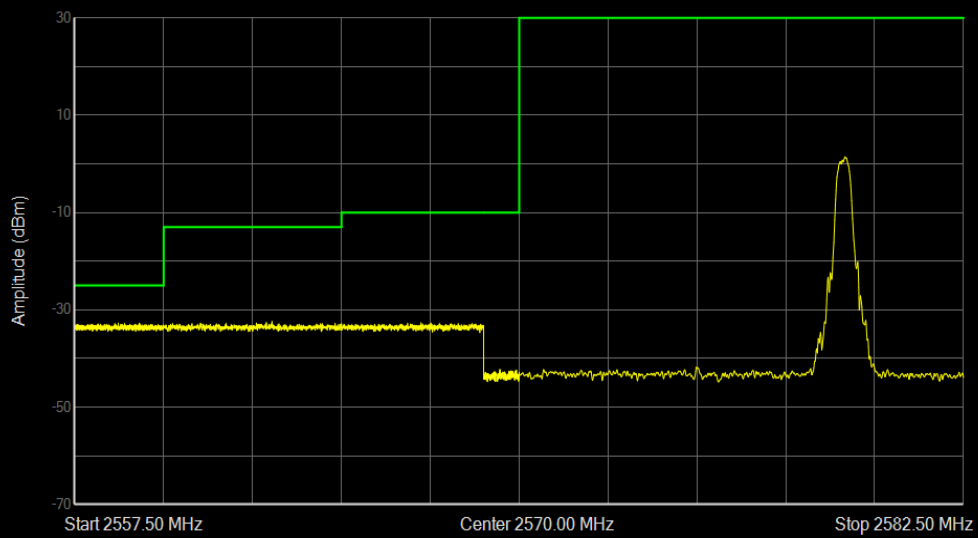
5 Band edge for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n38	30	10	515000	24@0	CP_QPSK	2559.21	-32.73	-25	PASS
n38	30	10	515000	1@0	CP_QPSK	2559.47	-32.78	-25	PASS
n38	30	10	515000	1@23	CP_QPSK	2558.72	-32.71	-25	PASS
n38	30	10	523000	24@0	CP_QPSK	2630.29	-32.67	-25	PASS
n38	30	10	523000	1@0	CP_QPSK	2631.20	-32.44	-25	PASS
n38	30	10	523000	1@23	CP_QPSK	2632.24	-32.76	-25	PASS
n38	30	15	515500	38@0	CP_QPSK	2552.81	-32.67	-25	PASS
n38	30	15	515500	1@0	CP_QPSK	2552.95	-32.59	-25	PASS
n38	30	15	515500	1@37	CP_QPSK	2554.10	-32.56	-25	PASS
n38	30	15	522500	38@0	CP_QPSK	2636.86	-32.65	-25	PASS
n38	30	15	522500	1@0	CP_QPSK	2636.13	-32.67	-25	PASS
n38	30	15	522500	1@37	CP_QPSK	2638.39	-32.69	-25	PASS
n38	30	20	516000	51@0	CP_QPSK	2547.89	-32.61	-25	PASS
n38	30	20	516000	1@0	CP_QPSK	2549.63	-32.63	-25	PASS
n38	30	20	516000	1@50	CP_QPSK	2547.64	-32.67	-25	PASS
n38	30	20	522000	51@0	CP_QPSK	2644.30	-32.63	-25	PASS
n38	30	20	522000	1@0	CP_QPSK	2640.19	-32.59	-25	PASS
n38	30	20	522000	1@50	CP_QPSK	2643.40	-32.68	-25	PASS

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=1@0



n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=1@23



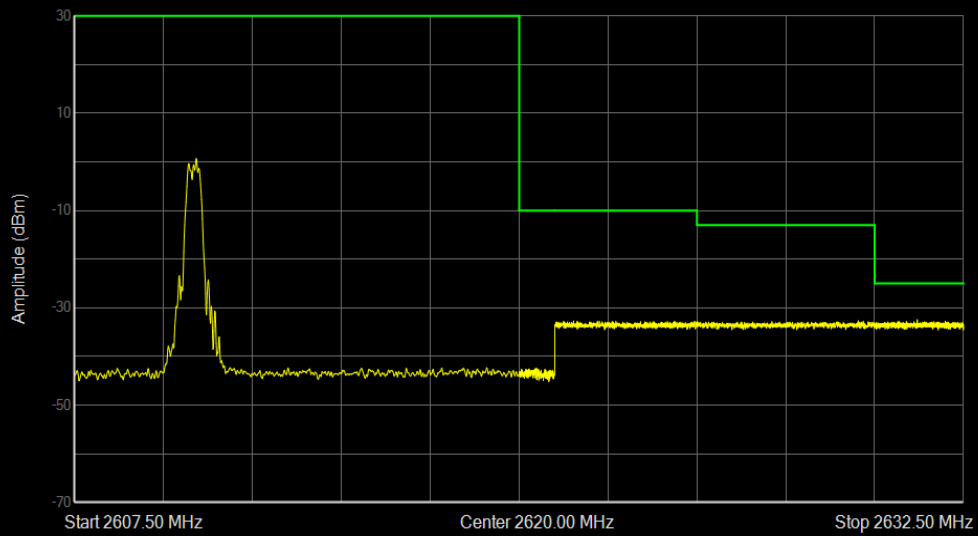
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2557.5	2560	1000	2558.72	-32.71	-25
2	2560	2565	1000	2563.045	-32.39	-13
3	2565	2569	1000	2567.236	-32.67	-10
4	2569	2570	100	2569.457	-42.28	-10

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=24@0



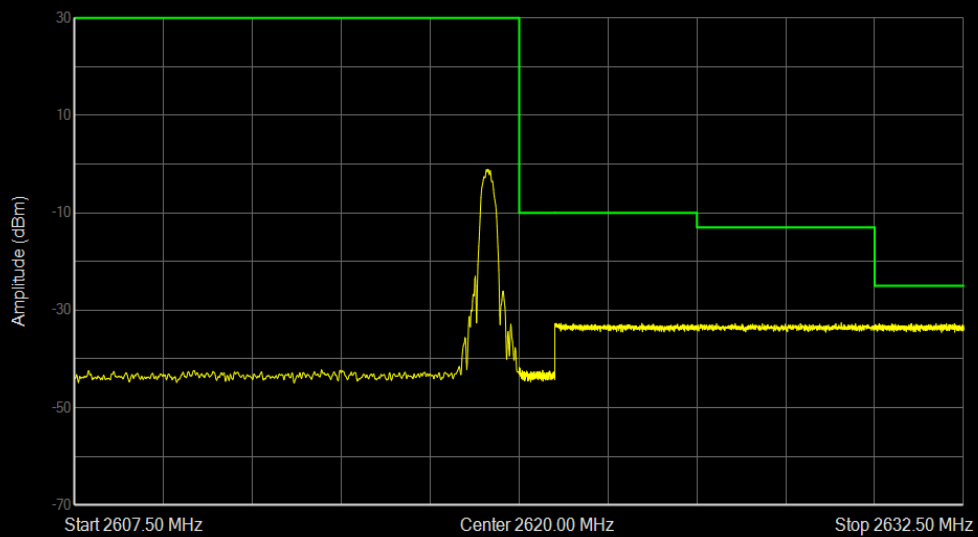
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2557.5	2560	1000	2559.2125	-32.73	-25
2	2560	2565	1000	2563.76	-32.2	-13
3	2565	2569	1000	2568.268	-30.91	-10
4	2569	2570	200	2569.024	-37.14	-10

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=1@0



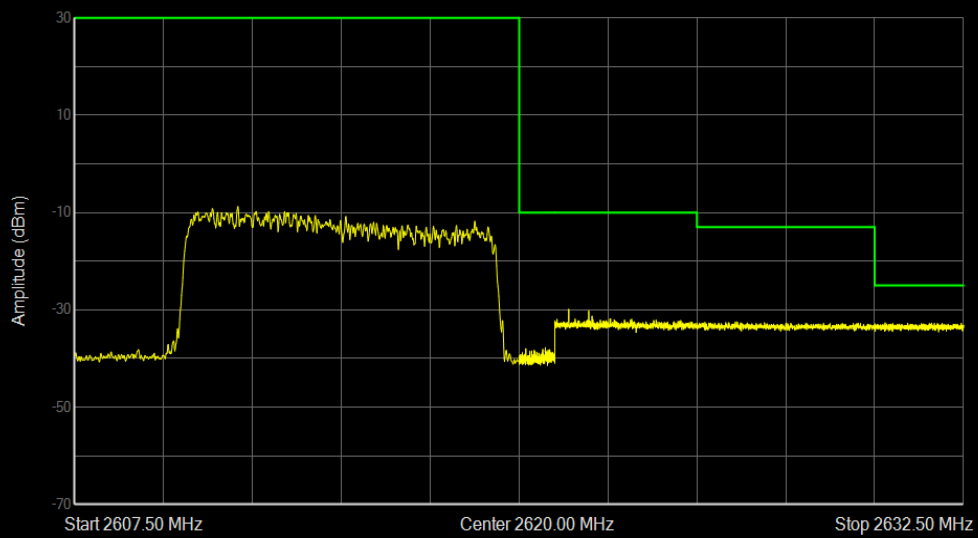
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.489	-42.48	-10
3	2621	2625	1000	2621.528	-32.7	-10
4	2625	2630	1000	2629.535	-32.68	-13
5	2630	2632.5	1000	2631.1975	-32.44	-25

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=1@23



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.002	-41.76	-10
3	2621	2625	1000	2621.044	-32.7	-10
4	2625	2630	1000	2629.06	-32.58	-13
5	2630	2632.5	1000	2632.2425	-32.76	-25

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=24@0

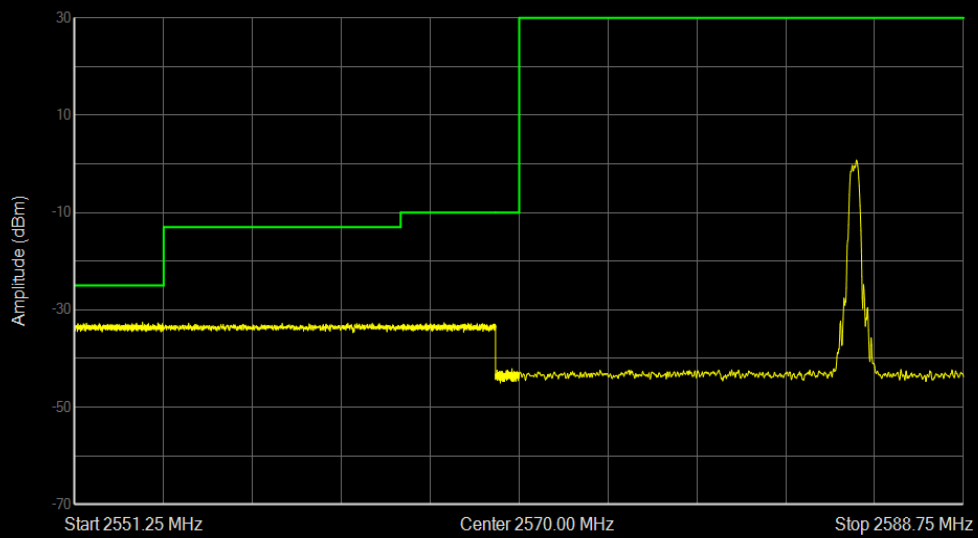


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	200	2620.735	-37.76	-10
3	2621	2625	1000	2621.392	-29.89	-10
4	2625	2630	1000	2626.135	-32.48	-13
5	2630	2632.5	1000	2630.2925	-32.67	-25

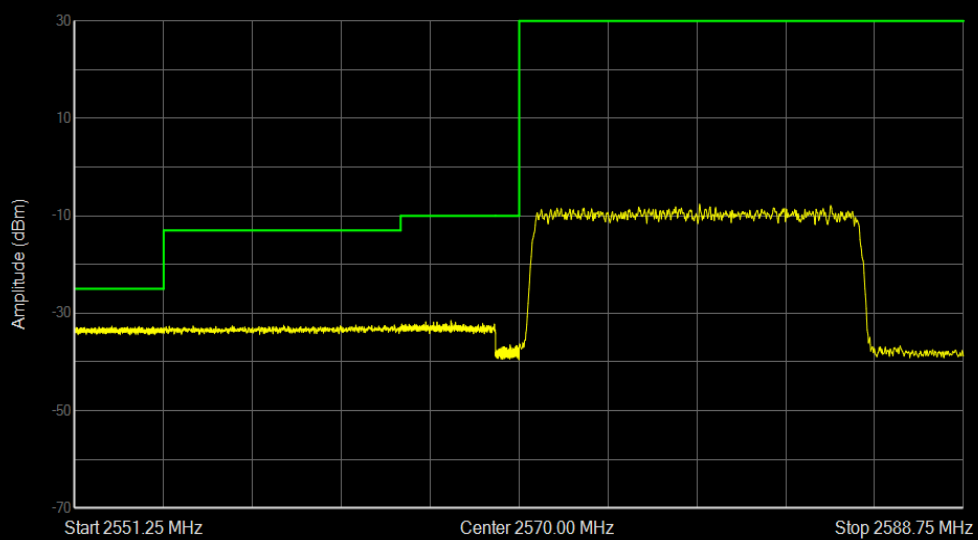
n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2551.25	2555	1000	2552.9525	-32.59	-25
2	2555	2565	1000	2559.83	-32.68	-13
3	2565	2569	1000	2569	-31.92	-10
4	2569	2570	100	2569.98	-41.84	-10

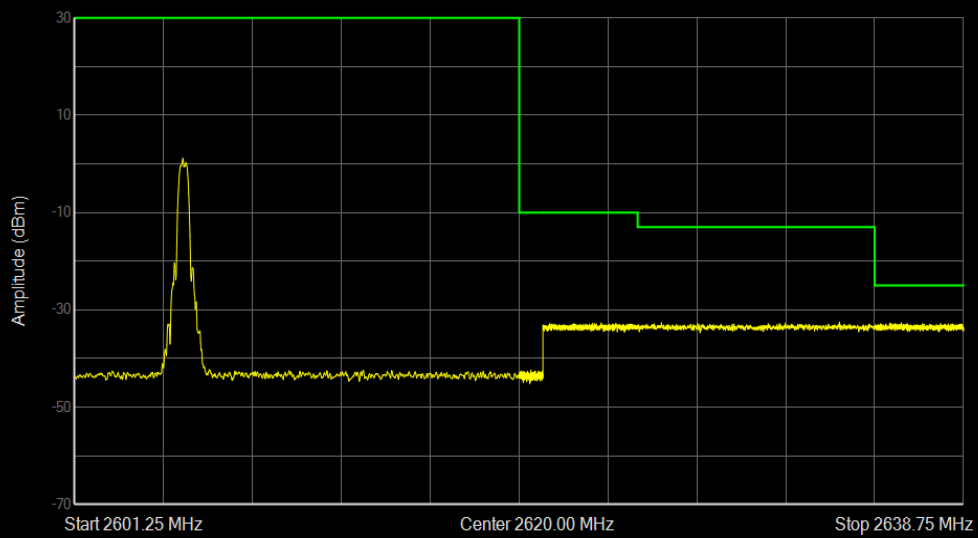
n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=1@37

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2551.25	2555	1000	2554.10375	-32.56	-25
2	2555	2565	1000	2556.05	-32.77	-13
3	2565	2569	1000	2566.832	-32.67	-10
4	2569	2570	100	2569.694	-42.1	-10

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=38@0

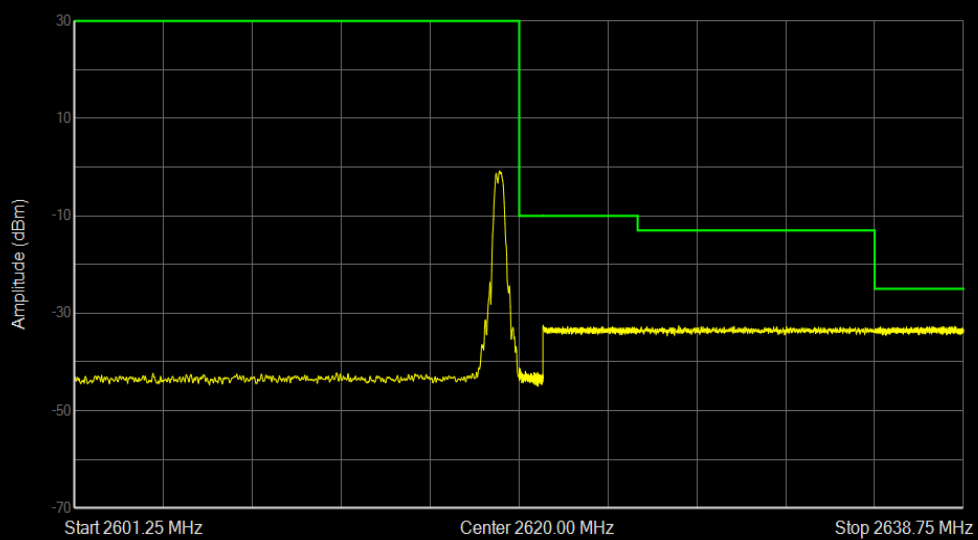
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2551.25	2555	1000	2552.81	-32.67	-25
2	2555	2565	1000	2564.73	-32.42	-13
3	2565	2569	1000	2567.12	-31.52	-10
4	2569	2570	300	2569.616	-36.51	-10

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=1@0



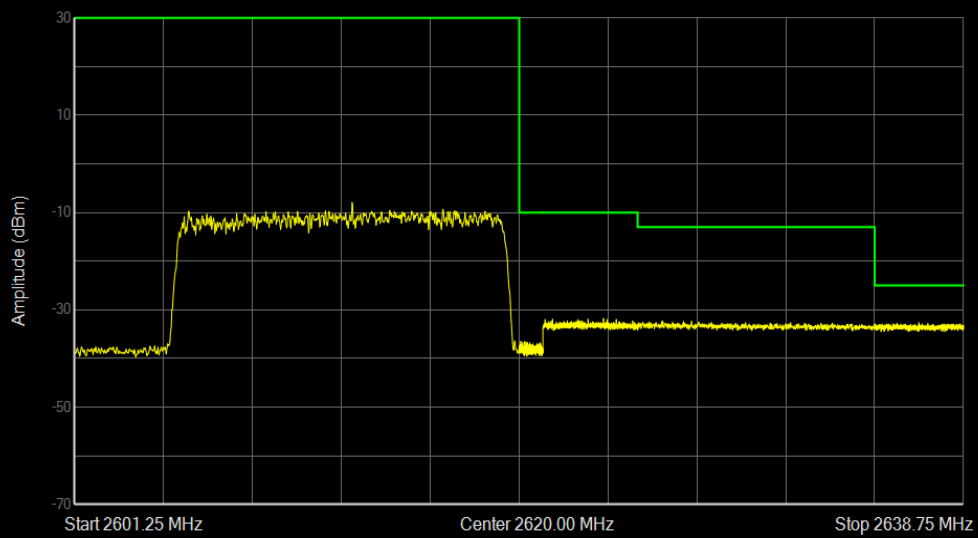
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.492	-42.39	-10
3	2621	2625	1000	2623.456	-32.7	-10
4	2625	2635	1000	2633.51	-32.51	-13
5	2635	2638.75	1000	2636.12875	-32.67	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=1@37



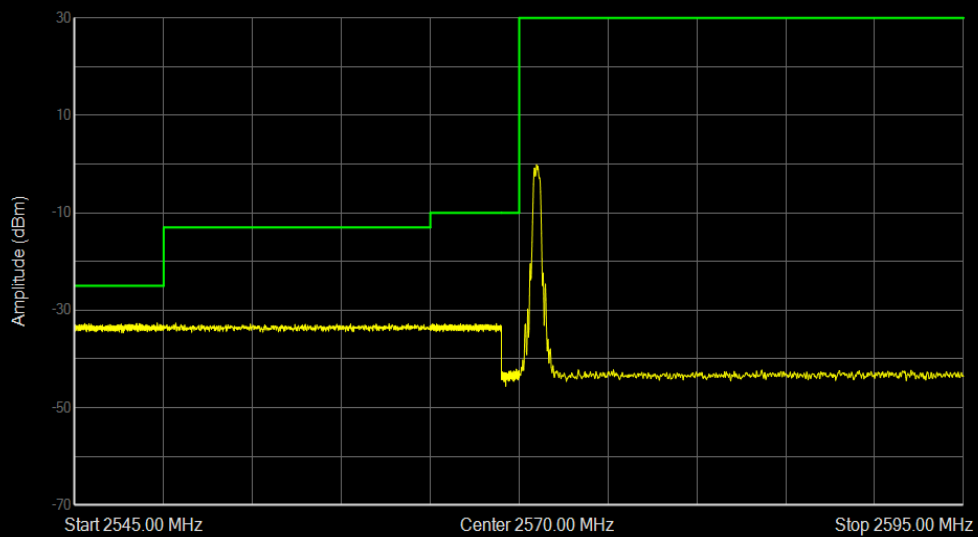
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.007	-41.23	-10
3	2621	2625	1000	2621.012	-32.47	-10
4	2625	2635	1000	2626.73	-32.59	-13
5	2635	2638.75	1000	2638.39	-32.69	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=38@0



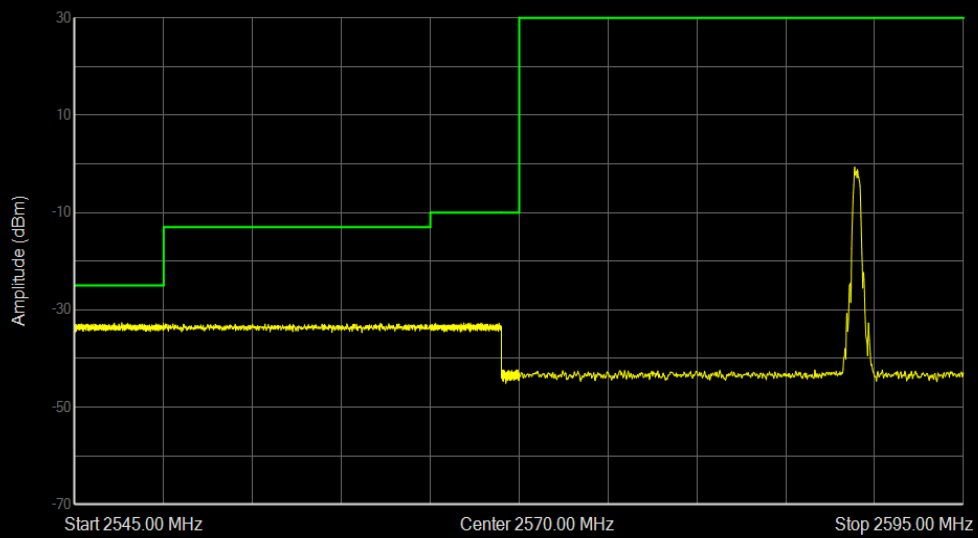
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	300	2620.063	-36.49	-10
3	2621	2625	1000	2623.556	-31.77	-10
4	2625	2635	1000	2626.06	-32.35	-13
5	2635	2638.75	1000	2636.86375	-32.65	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=1@0



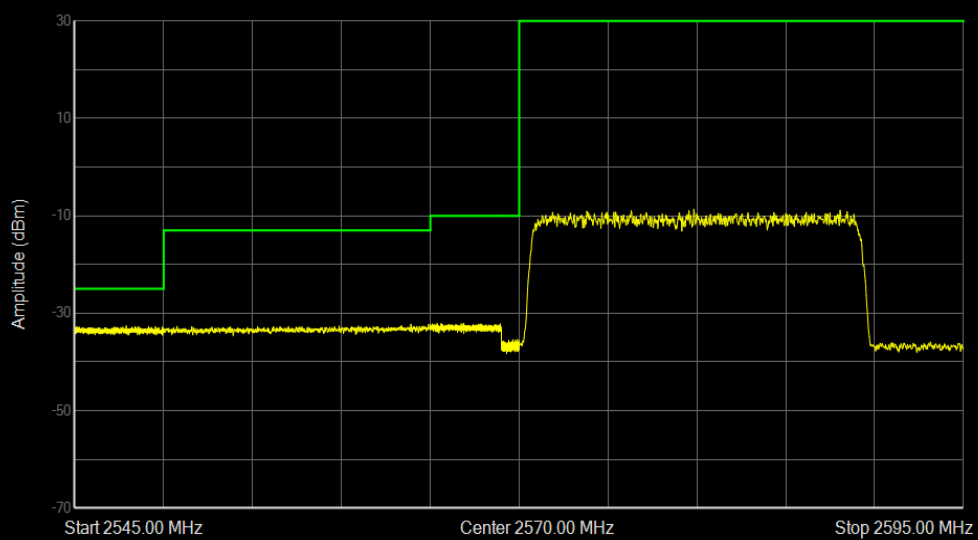
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2549.63	-32.63	-25
2	2550	2565	1000	2550.675	-32.66	-13
3	2565	2569	1000	2568.712	-32.74	-10
4	2569	2570	100	2569.837	-42.1	-10

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=1@50

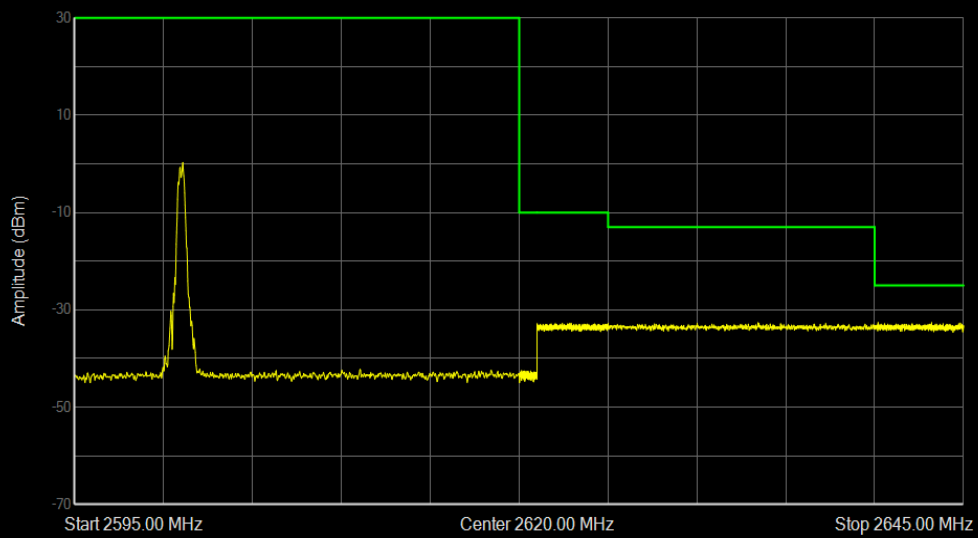


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2547.64	-32.67	-25
2	2550	2565	1000	2562.195	-32.77	-13
3	2565	2569	1000	2566.884	-32.7	-10
4	2569	2570	100	2569.827	-42.35	-10

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=51@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2550	1000	2547.89	-32.61	-25
2	2550	2565	1000	2563.905	-32.26	-13
3	2565	2569	1000	2566.38	-32.1	-10
4	2569	2570	430	2569.895	-35.4	-10

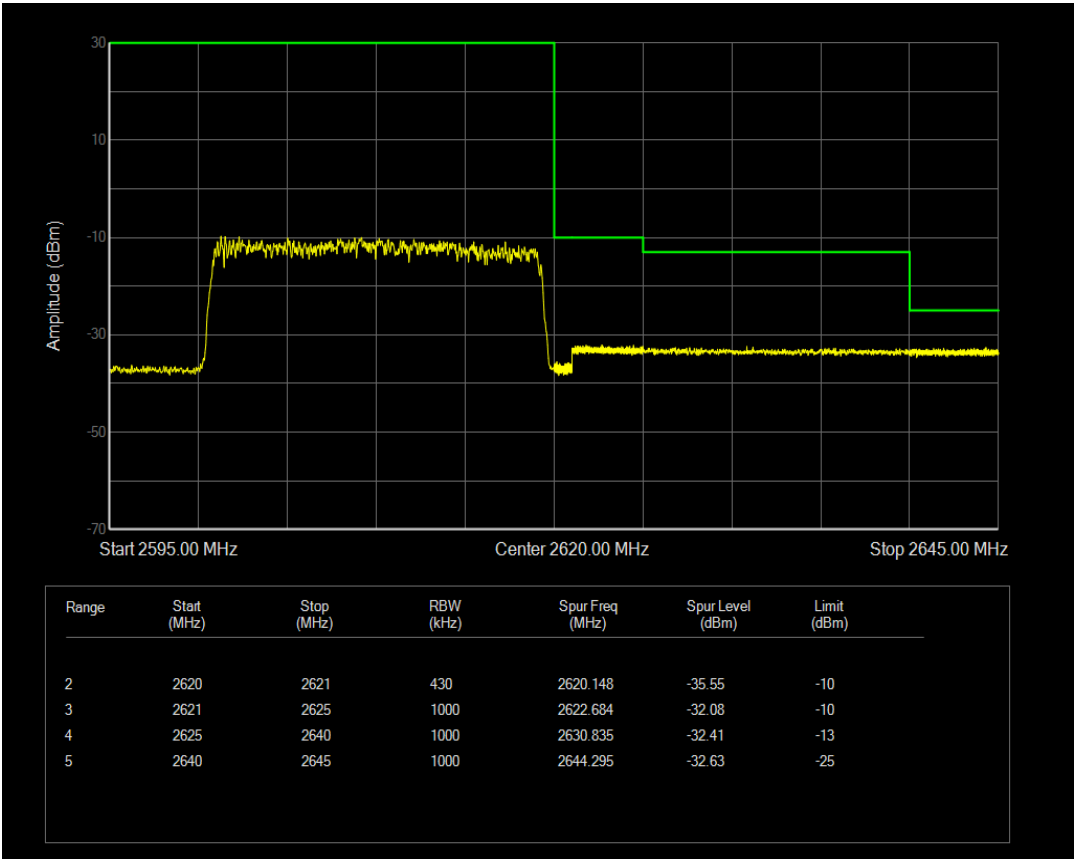
n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.137	-42.52	-10
3	2621	2625	1000	2622.848	-32.76	-10
4	2625	2640	1000	2633.43	-32.66	-13
5	2640	2645	1000	2640.19	-32.59	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=1@50

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2620	2621	100	2620.204	-41.88	-10
3	2621	2625	1000	2623.464	-32.77	-10
4	2625	2640	1000	2637.255	-32.46	-13
5	2640	2645	1000	2643.395	-32.68	-25

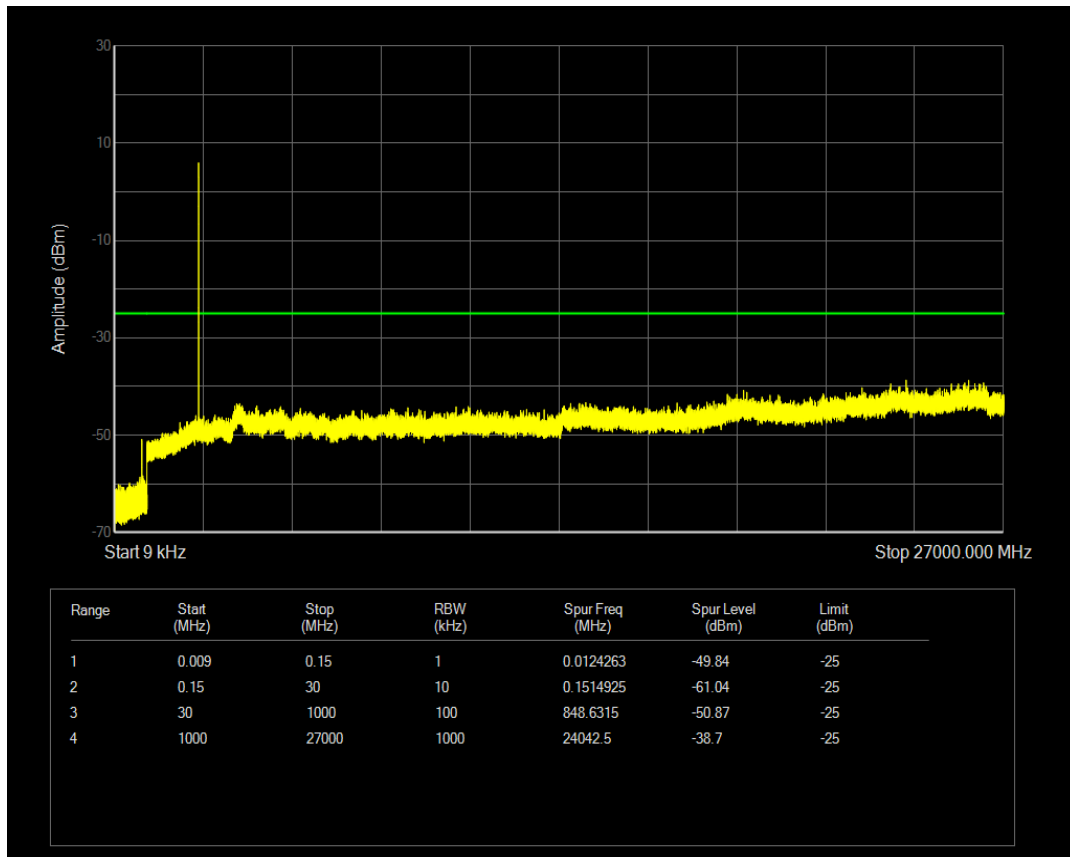
n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=51@0

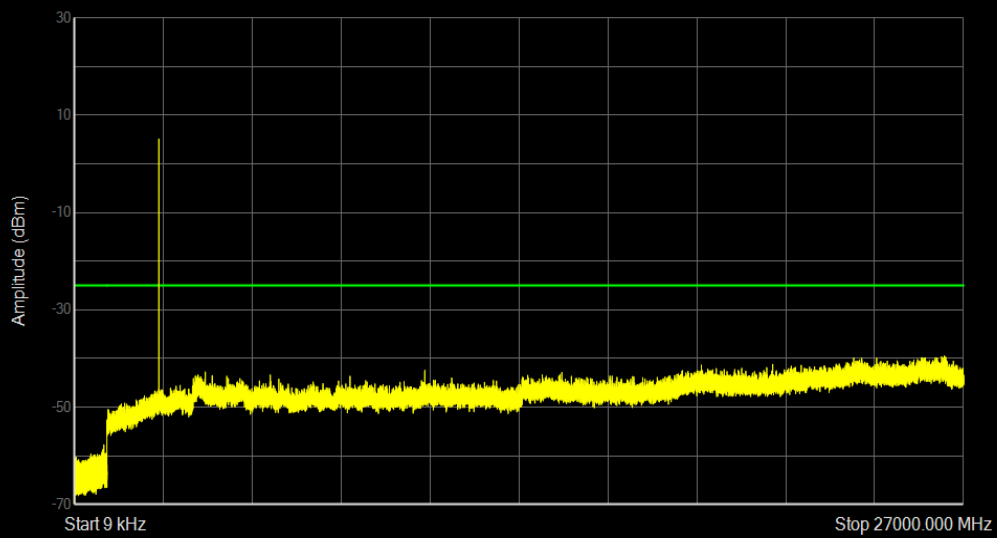


6 Out-of-band emissions for EN-DC

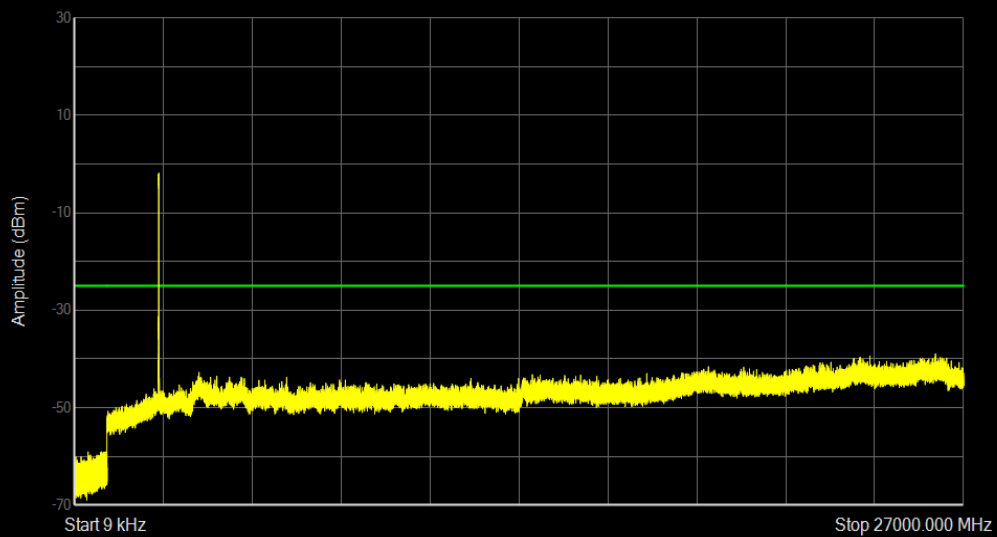
Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n38	30	10	515000	24@0	CP_QPSK	26145.90	-38.94	-25	PASS
n38	30	10	515000	1@0	CP_QPSK	24042.50	-38.70	-25	PASS
n38	30	10	515000	1@23	CP_QPSK	26413.05	-39.47	-25	PASS
n38	30	10	523000	24@0	CP_QPSK	26095.20	-39.17	-25	PASS
n38	30	10	523000	1@0	CP_QPSK	23956.70	-39.06	-25	PASS
n38	30	10	523000	1@23	CP_QPSK	23854.65	-39.15	-25	PASS
n38	30	15	515500	38@0	CP_QPSK	23736.35	-39.18	-25	PASS
n38	30	15	515500	1@0	CP_QPSK	26084.80	-38.90	-25	PASS
n38	30	15	515500	1@37	CP_QPSK	25690.90	-39.47	-25	PASS
n38	30	15	522500	38@0	CP_QPSK	26237.55	-38.93	-25	PASS
n38	30	15	522500	1@0	CP_QPSK	25817.65	-38.84	-25	PASS
n38	30	15	522500	1@37	CP_QPSK	25735.10	-38.89	-25	PASS
n38	30	20	516000	51@0	CP_QPSK	26372.75	-39.20	-25	PASS
n38	30	20	516000	1@0	CP_QPSK	25542.05	-39.02	-25	PASS
n38	30	20	516000	1@50	CP_QPSK	25921.65	-38.31	-25	PASS
n38	30	20	522000	51@0	CP_QPSK	836.46	-37.08	-25	PASS
n38	30	20	522000	1@0	CP_QPSK	25594.05	-38.98	-25	PASS
n38	30	20	522000	1@50	CP_QPSK	25422.45	-39.23	-25	PASS

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=1@0

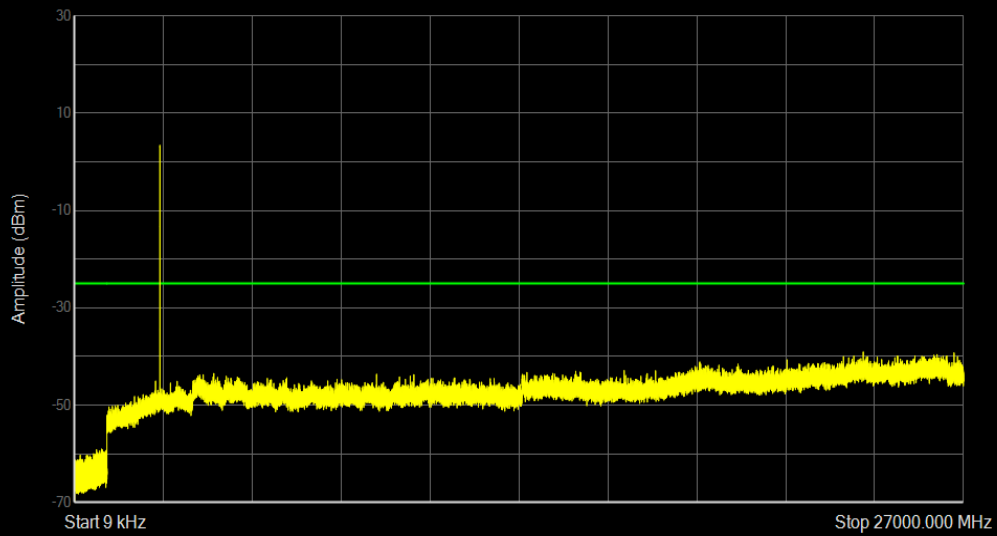


n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=1@23

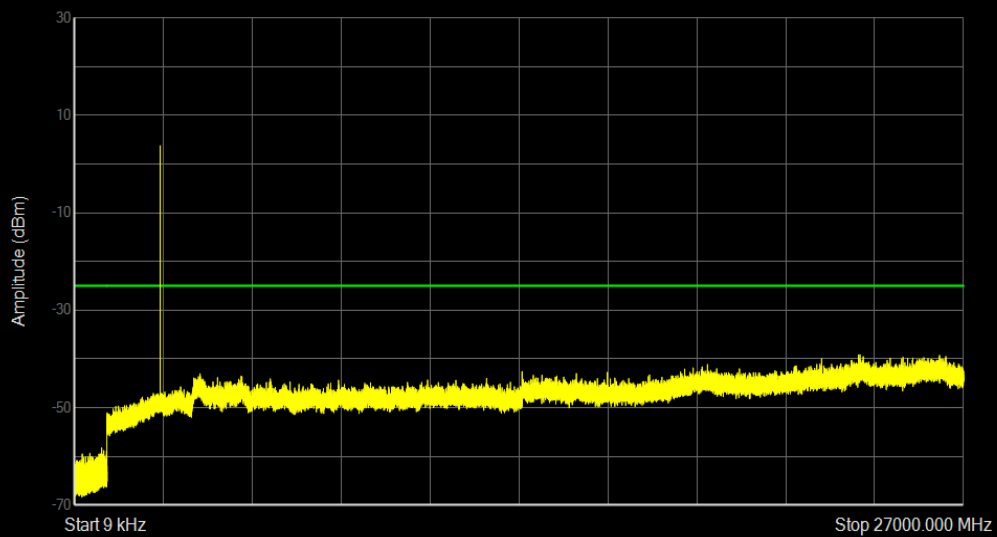
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01533795	-50.65	-25
2	0.15	30	10	0.15	-60.58	-25
3	30	1000	100	909.887	-57.77	-25
4	1000	27000	1000	26413.05	-39.47	-25

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=515000 RB=24@0

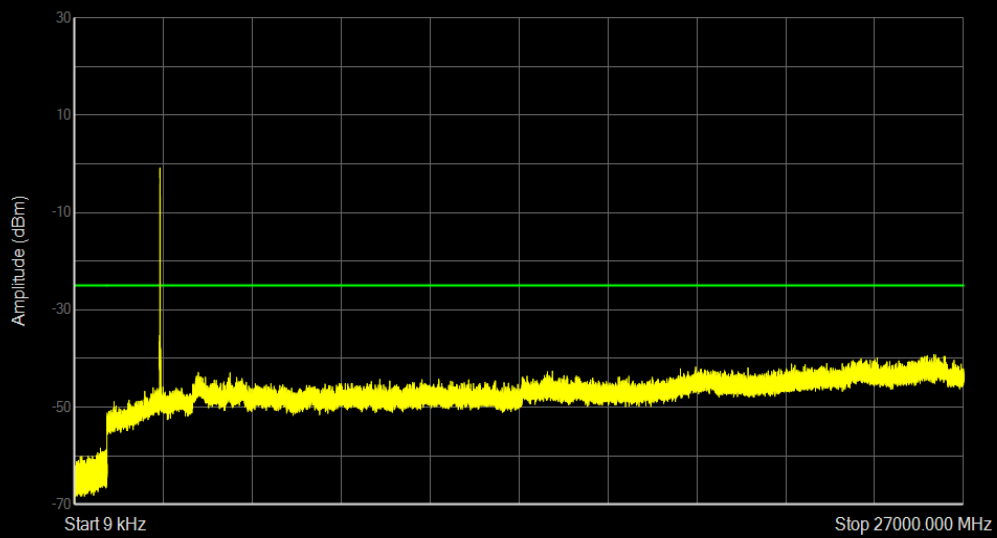
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013007925	-50.71	-25
2	0.15	30	10	0.17014875	-60.91	-25
3	30	1000	100	839.853	-59.05	-25
4	1000	27000	1000	26145.9	-38.94	-25

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=1@0

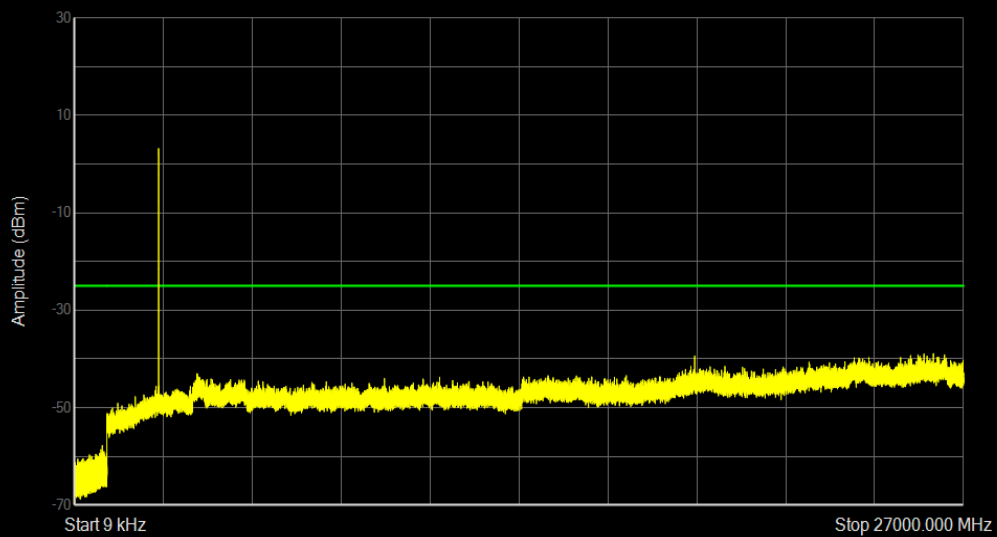
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-49.32	-25
2	0.15	30	10	0.15	-60.83	-25
3	30	1000	100	837.3795	-59.02	-25
4	1000	27000	1000	23956.7	-39.06	-25

n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=1@23

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-50.39	-25
2	0.15	30	10	0.1783575	-62.83	-25
3	30	1000	100	842.957	-58.3	-25
4	1000	27000	1000	23854.65	-39.15	-25

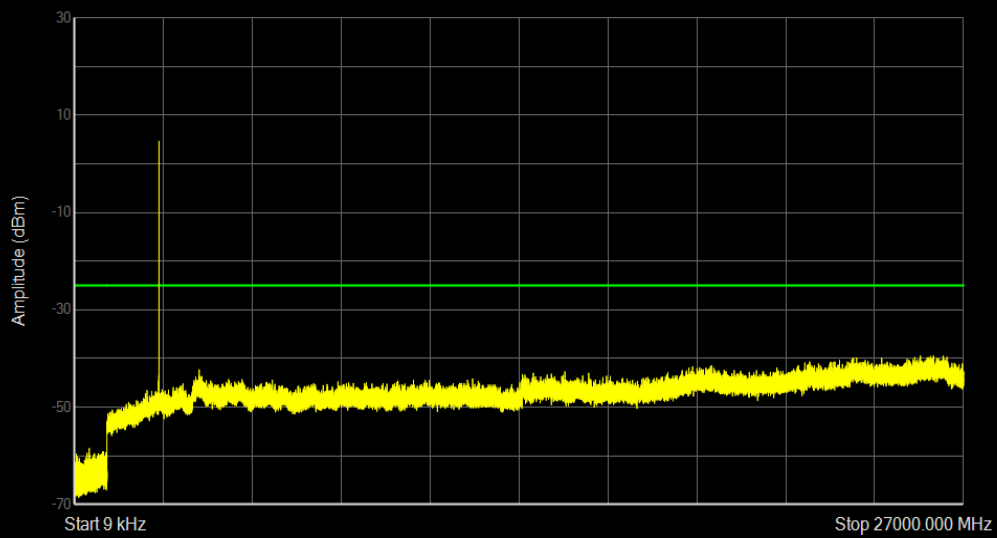
n38 SCS=30kHz CP_QPSK BW=10MHz Channel=523000 RB=24@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01248975	-49.56	-25
2	0.15	30	10	0.15	-60.69	-25
3	30	1000	100	808.01275	-58.43	-25
4	1000	27000	1000	26095.2	-39.17	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=1@0

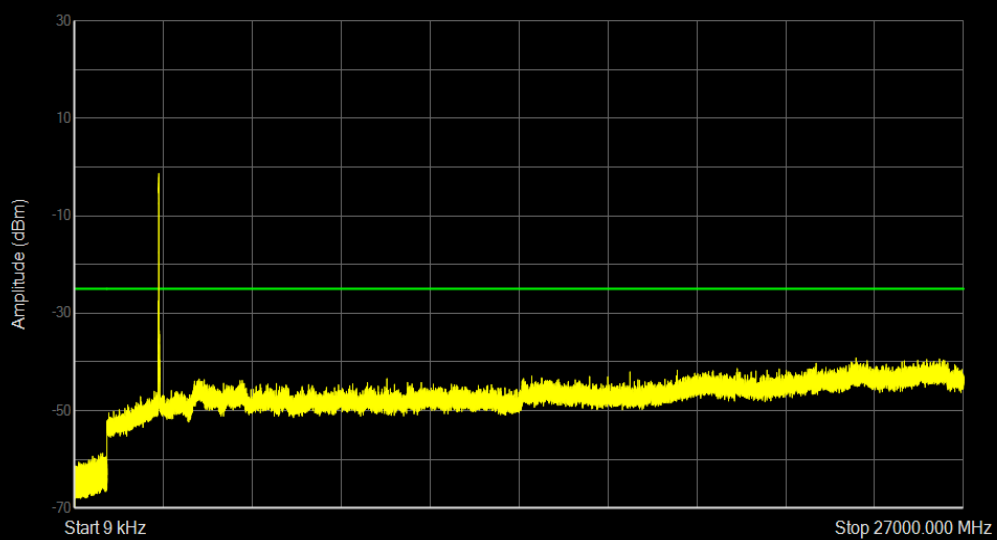
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012140775	-49.54	-25
2	0.15	30	10	0.15820875	-60.51	-25
3	30	1000	100	864.12725	-57.76	-25
4	1000	27000	1000	26084.8	-38.9	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=1@37

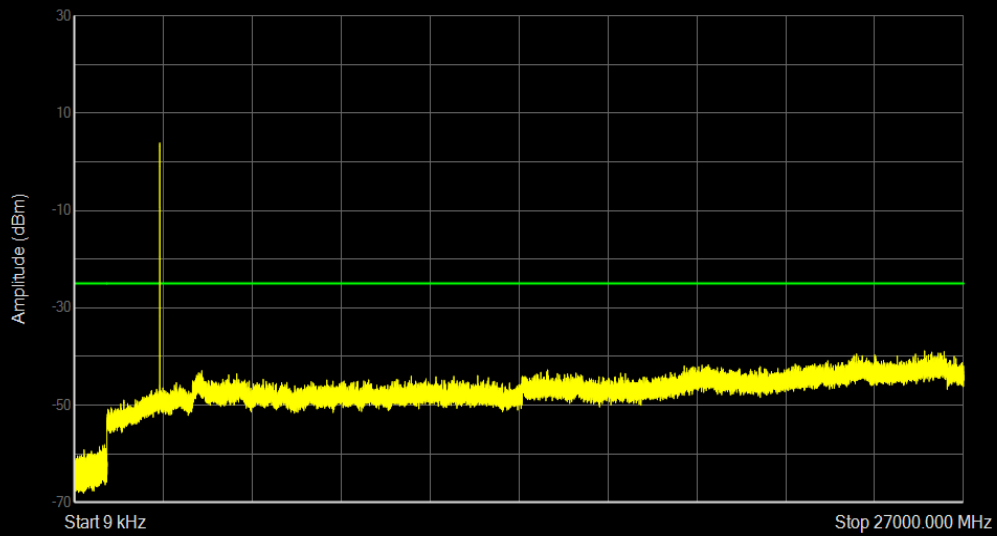


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.015997125	-49.52	-25
2	0.15	30	10	0.1694025	-61.08	-25
3	30	1000	100	465.142	-58.51	-25
4	1000	27000	1000	25690.9	-39.47	-25

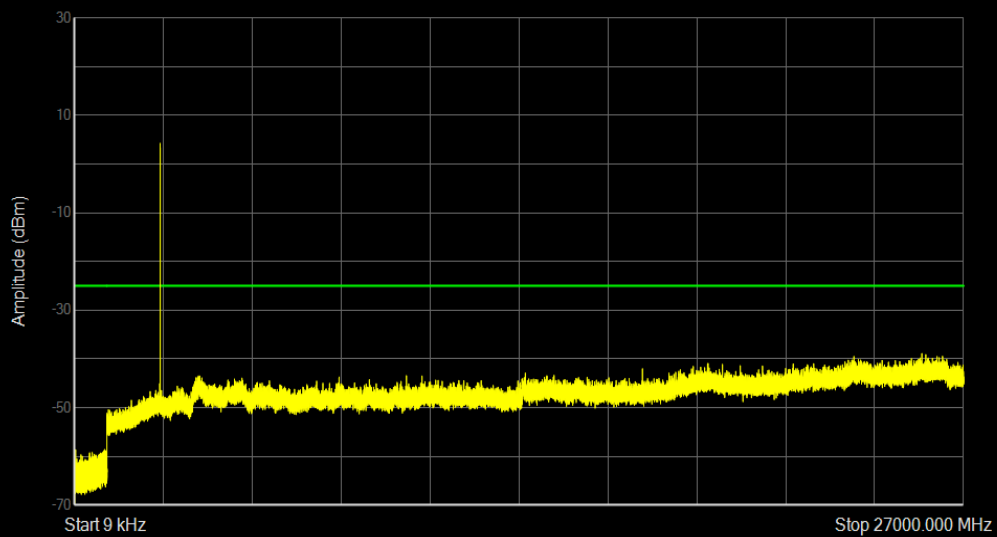
n38 SCS=30kHz CP_QPSK BW=15MHz Channel=515500 RB=38@0



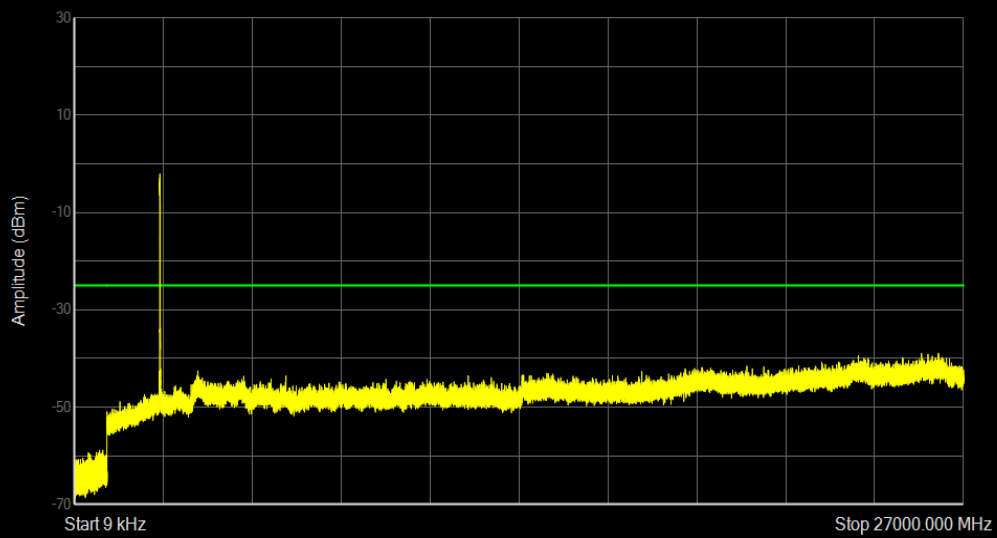
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-50.94	-25
2	0.15	30	10	0.1723875	-60.82	-25
3	30	1000	100	876.34925	-58.79	-25
4	1000	27000	1000	23736.35	-39.18	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=1@0

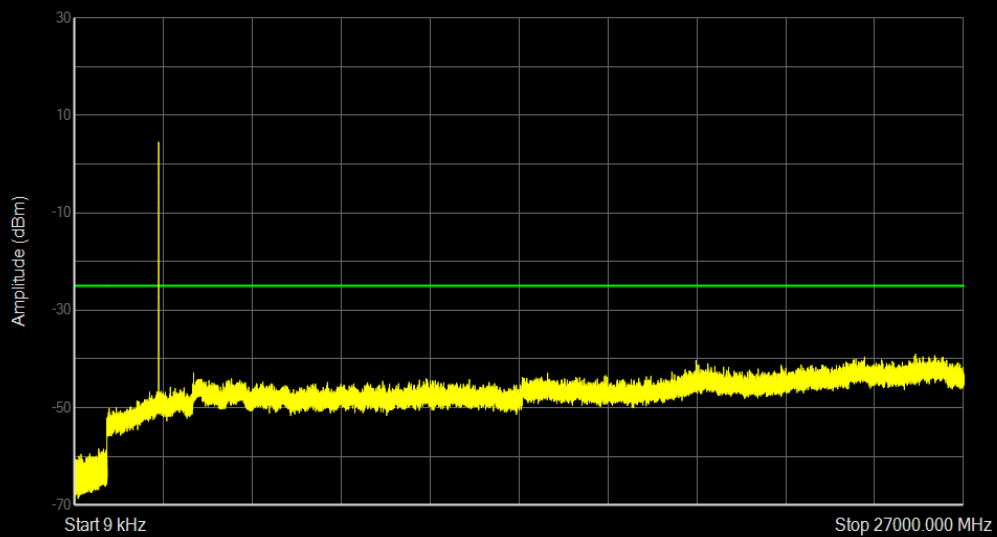
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00957105	-48.72	-25
2	0.15	30	10	0.15074625	-57.84	-25
3	30	1000	100	928.4625	-58.12	-25
4	1000	27000	1000	25817.65	-38.84	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=1@37

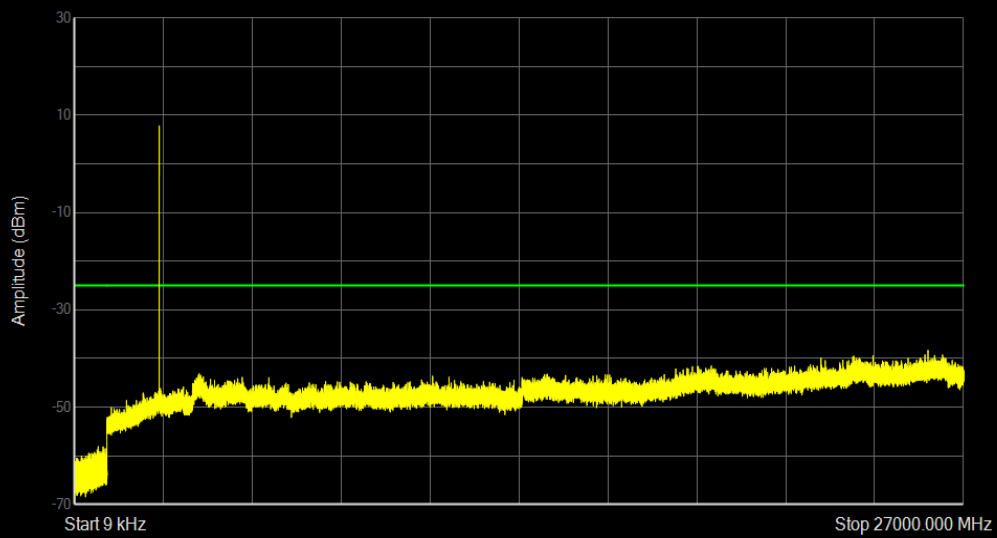
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010131525	-50.17	-25
2	0.15	30	10	0.17164125	-62.58	-25
3	30	1000	100	932.02725	-58.6	-25
4	1000	27000	1000	25735.1	-38.89	-25

n38 SCS=30kHz CP_QPSK BW=15MHz Channel=522500 RB=38@0

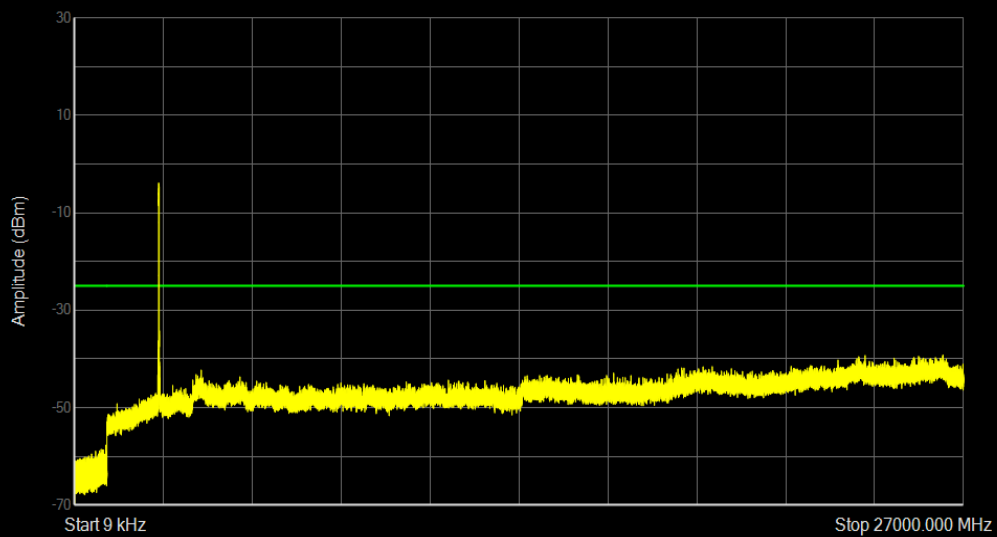
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01258845	-50.22	-25
2	0.15	30	10	0.1604475	-59.38	-25
3	30	1000	100	876.8585	-58.89	-25
4	1000	27000	1000	26237.55	-38.93	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=1@0

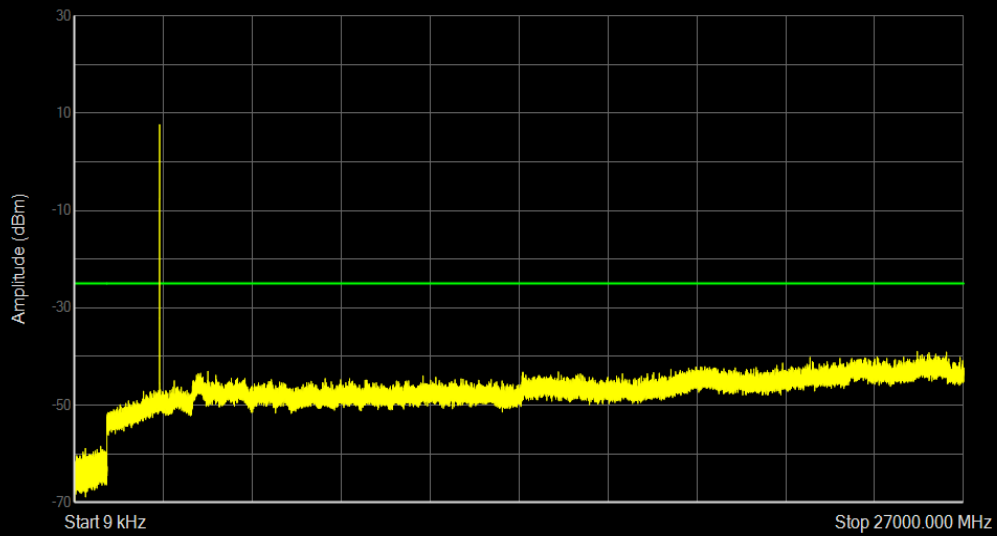
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01147455	-49.6	-25
2	0.15	30	10	0.15	-60.62	-25
3	30	1000	100	755.4145	-58.47	-25
4	1000	27000	1000	25542.05	-39.02	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=1@50

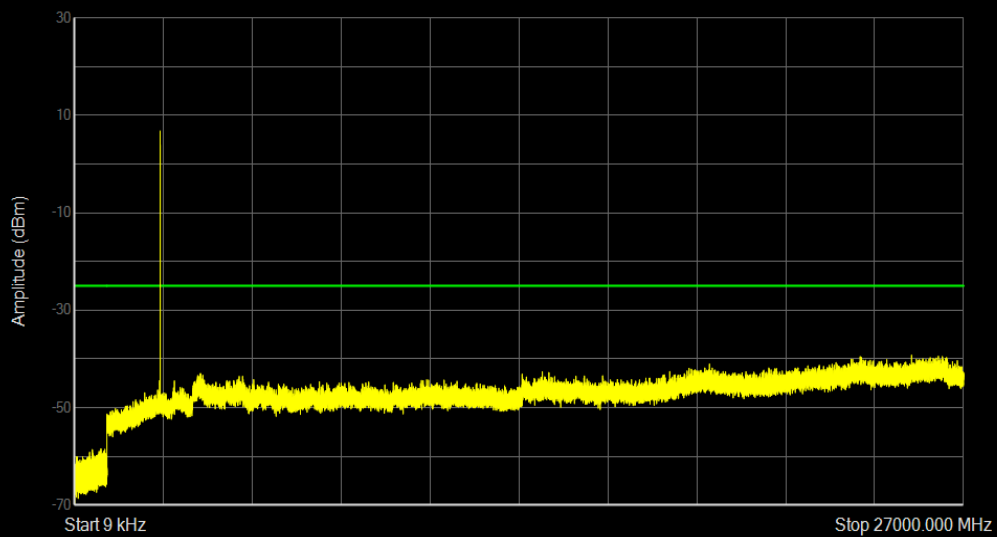
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00907755	-49.01	-25
2	0.15	30	10	0.1544775	-61.57	-25
3	30	1000	100	738.003	-58.1	-25
4	1000	27000	1000	25921.65	-38.31	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=516000 RB=51@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011781225	-50.2	-25
2	0.15	30	10	0.15074625	-59.8	-25
3	30	1000	100	964.3525	-57.69	-25
4	1000	27000	1000	26372.75	-39.2	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.017294325	-50.72	-25
2	0.15	30	10	0.16716375	-58.58	-25
3	30	1000	100	814.75425	-58.47	-25
4	1000	27000	1000	25594.05	-38.98	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=1@50

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0121443	-50.16	-25
2	0.15	30	10	0.17164125	-61.41	-25
3	30	1000	100	822.5385	-58.46	-25
4	1000	27000	1000	25422.45	-39.23	-25

n38 SCS=30kHz CP_QPSK BW=20MHz Channel=522000 RB=51@0

