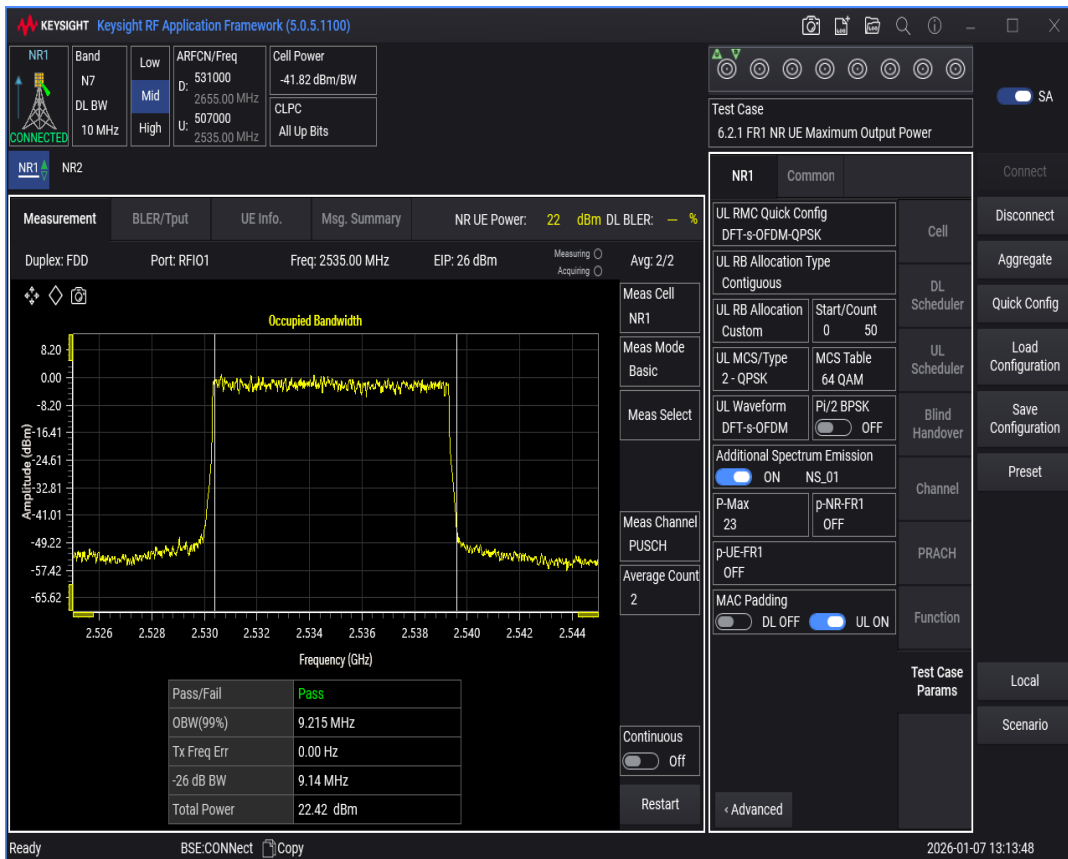




n7 SCS=15kHz DFT_QPSK BW=15MHz Channel=507000 RB=75@0



n7 SCS=15kHz DFT_QPSK BW=20MHz Channel=507000 RB=100@0



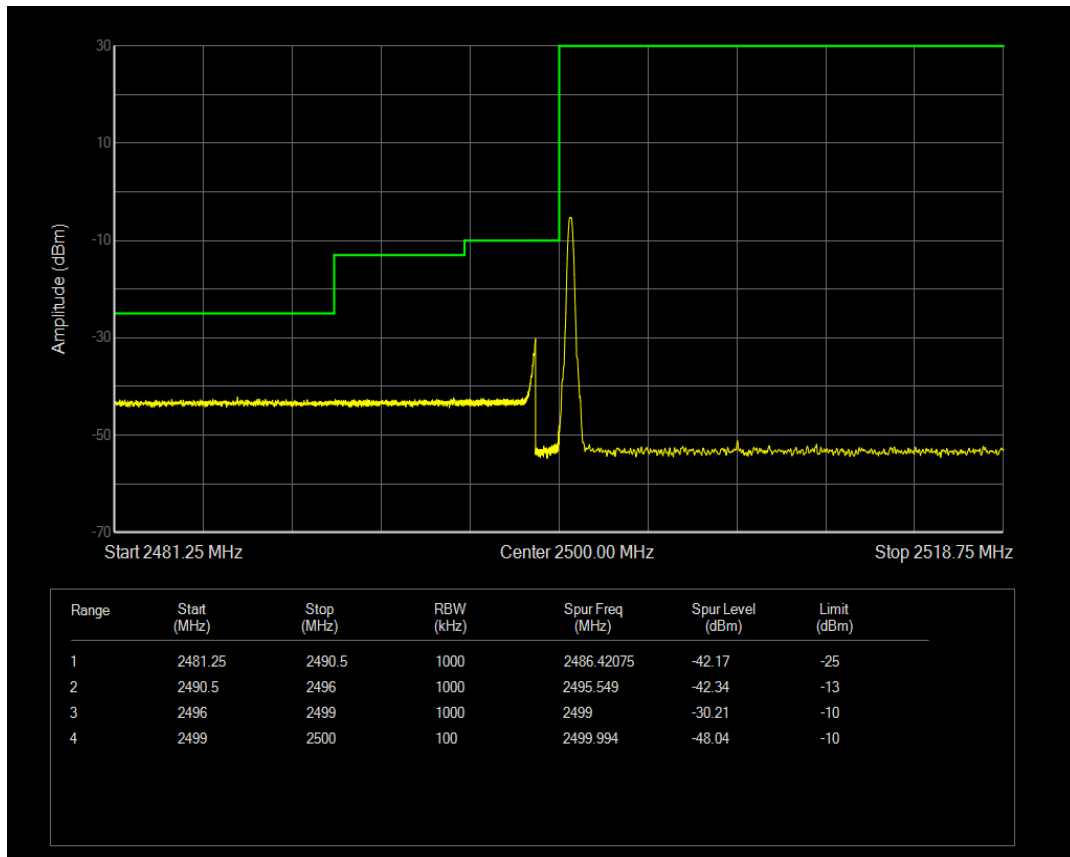
n7 SCS=15kHz DFT_QPSK BW=5MHz Channel=507000 RB=25@0



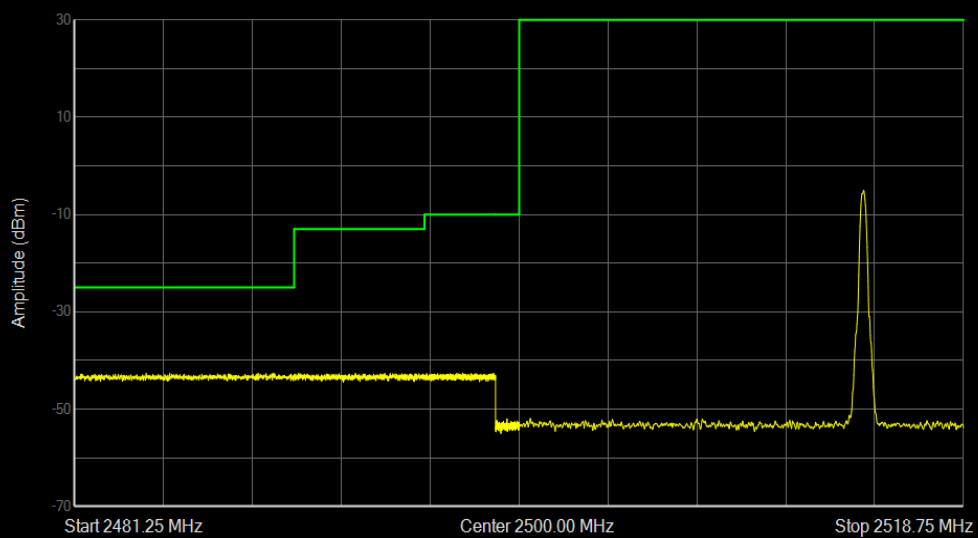
5 Band edge for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n7	15	5	500500	25@0	CP_QPSK	2490.64	-42.54	-25	PASS
n7	15	5	500500	1@0	CP_QPSK	2493.22	-42.56	-25	PASS
n7	15	5	500500	1@24	CP_QPSK	2493.57	-42.54	-25	PASS
n7	15	5	513500	25@0	CP_QPSK	2578.94	-42.45	-25	PASS
n7	15	5	513500	1@0	CP_QPSK	2576.14	-42.40	-25	PASS
n7	15	5	513500	1@24	CP_QPSK	2571.00	-26.93	-10	PASS
n7	15	15	501500	79@0	CP_QPSK	2487.26	-42.57	-25	PASS
n7	15	15	501500	1@0	CP_QPSK	2486.42	-42.17	-25	PASS
n7	15	15	501500	1@78	CP_QPSK	2488.98	-42.64	-25	PASS
n7	15	15	512500	79@0	CP_QPSK	2585.41	-42.47	-25	PASS
n7	15	15	512500	1@0	CP_QPSK	2587.69	-42.42	-25	PASS
n7	15	15	512500	1@78	CP_QPSK	2586.46	-42.06	-25	PASS
n7	15	20	502000	106@0	CP_QPSK	2489.94	-42.49	-25	PASS
n7	15	20	502000	1@0	CP_QPSK	2481.08	-42.54	-25	PASS
n7	15	20	502000	1@105	CP_QPSK	2480.33	-42.62	-25	PASS
n7	15	20	512000	106@0	CP_QPSK	2594.60	-42.26	-25	PASS
n7	15	20	512000	1@0	CP_QPSK	2593.75	-42.48	-25	PASS
n7	15	20	512000	1@105	CP_QPSK	2592.83	-42.33	-25	PASS

n7 SCS=15kHz CP_QPSK BW=15MHz Channel=501500 RB=1@0

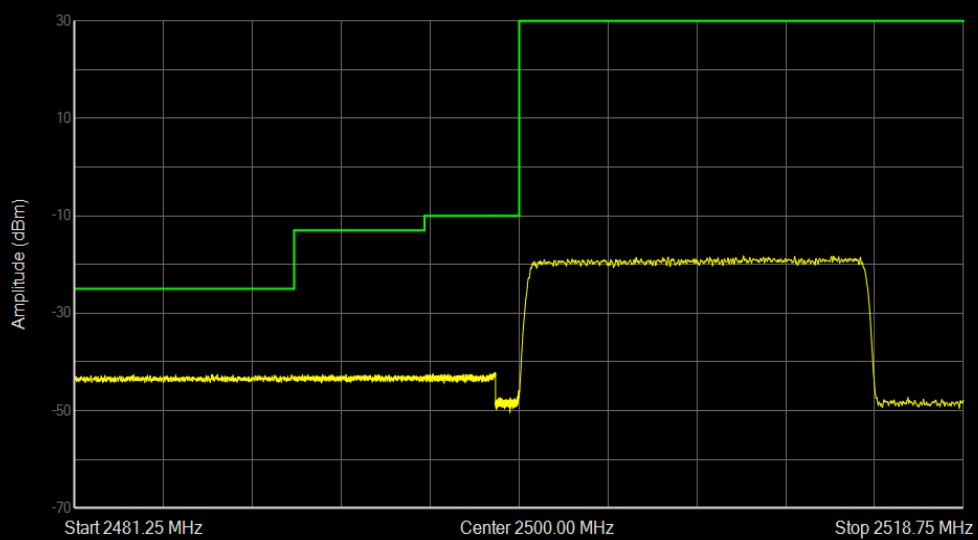


n7 SCS=15kHz CP_QPSK BW=15MHz Channel=501500 RB=1@78



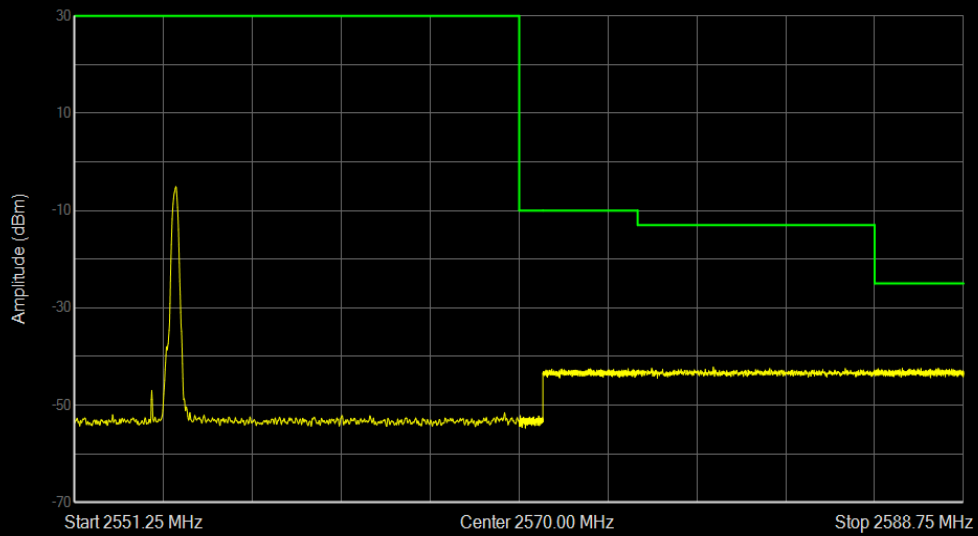
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2481.25	2490.5	1000	2488.983	-42.64	-25
2	2490.5	2496	1000	2493.085	-42.64	-13
3	2496	2499	1000	2497.611	-42.57	-10
4	2499	2500	100	2499.486	-51.99	-10

n7 SCS=15kHz CP_QPSK BW=15MHz Channel=501500 RB=79@0



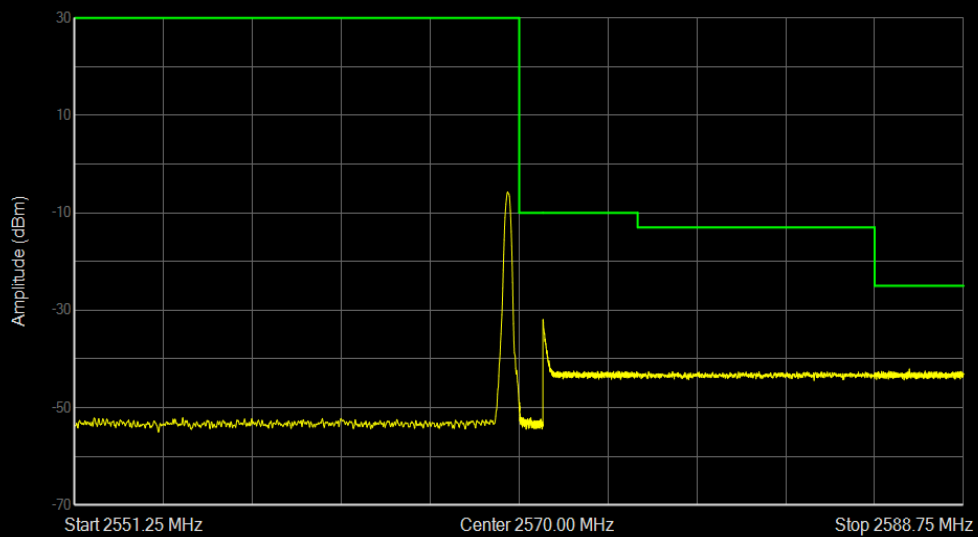
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2481.25	2490.5	1000	2487.2625	-42.57	-25
2	2490.5	2496	1000	2491.71	-42.61	-13
3	2496	2499	1000	2498.985	-42.2	-10
4	2499	2500	300	2499.984	-45.89	-10

n7 SCS=15kHz CP_QPSK BW=15MHz Channel=512500 RB=1@0



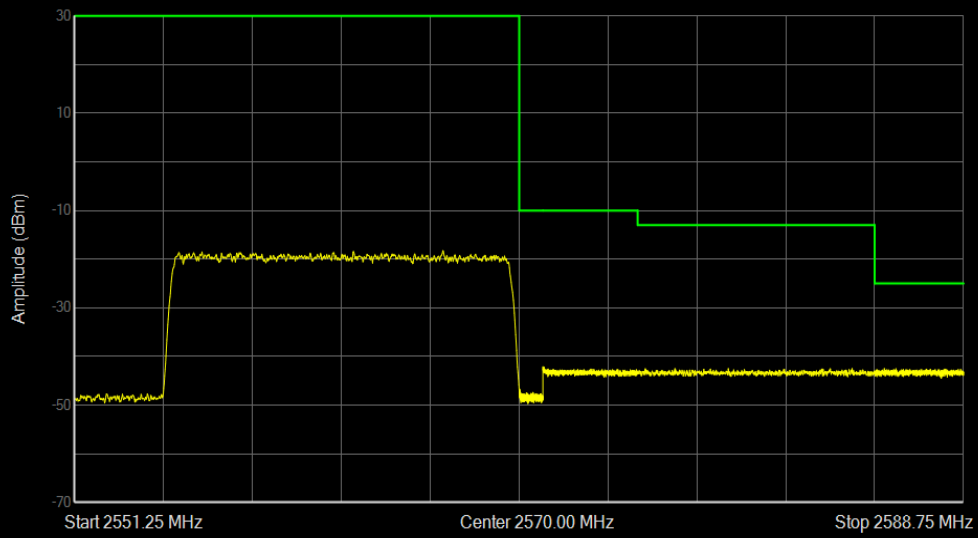
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.046	-52.17	-10
3	2571	2575	1000	2574.596	-42.52	-10
4	2575	2585	1000	2578.19	-42.19	-13
5	2585	2588.75	1000	2587.685	-42.42	-25

n7 SCS=15kHz CP_QPSK BW=15MHz Channel=512500 RB=1@78



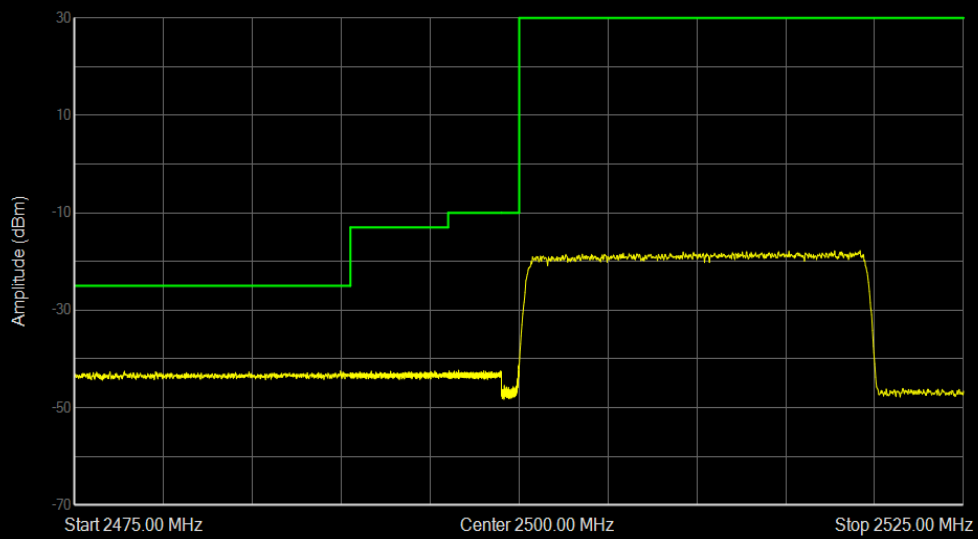
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.011	-48.94	-10
3	2571	2575	1000	2571.004	-31.97	-10
4	2575	2585	1000	2576.47	-42.62	-13
5	2585	2588.75	1000	2586.4625	-42.06	-25

n7 SCS=15kHz CP_QPSK BW=15MHz Channel=512500 RB=79@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	300	2570.006	-46.64	-10
3	2571	2575	1000	2571.052	-42.2	-10
4	2575	2585	1000	2584.05	-42.47	-13
5	2585	2588.75	1000	2585.405	-42.47	-25

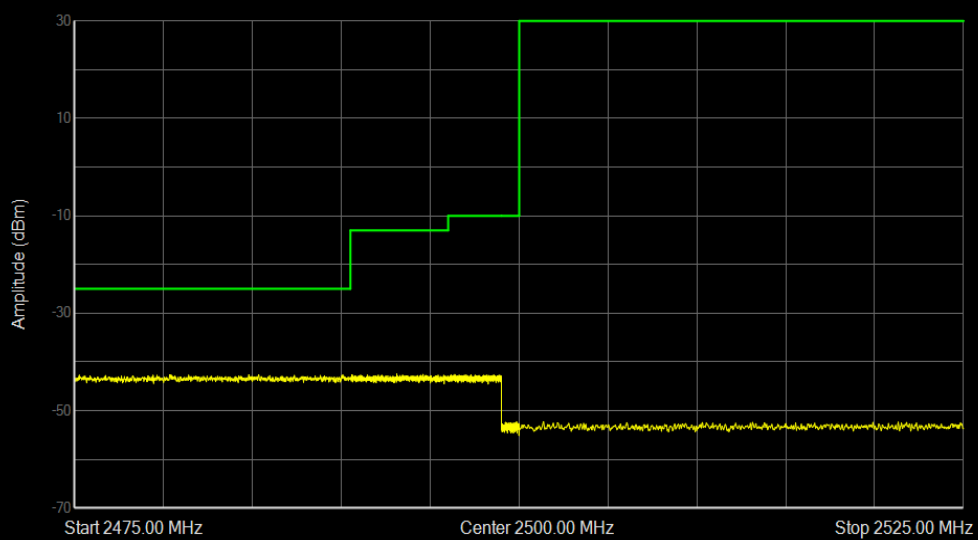
n7 SCS=15kHz CP_QPSK BW=20MHz Channel=502000 RB=106@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490.5	1000	2489.942	-42.49	-25
2	2490.5	2496	1000	2491.677	-42.51	-13
3	2496	2499	1000	2496.588	-42.31	-10
4	2499	2500	430	2499.993	-41.02	-10

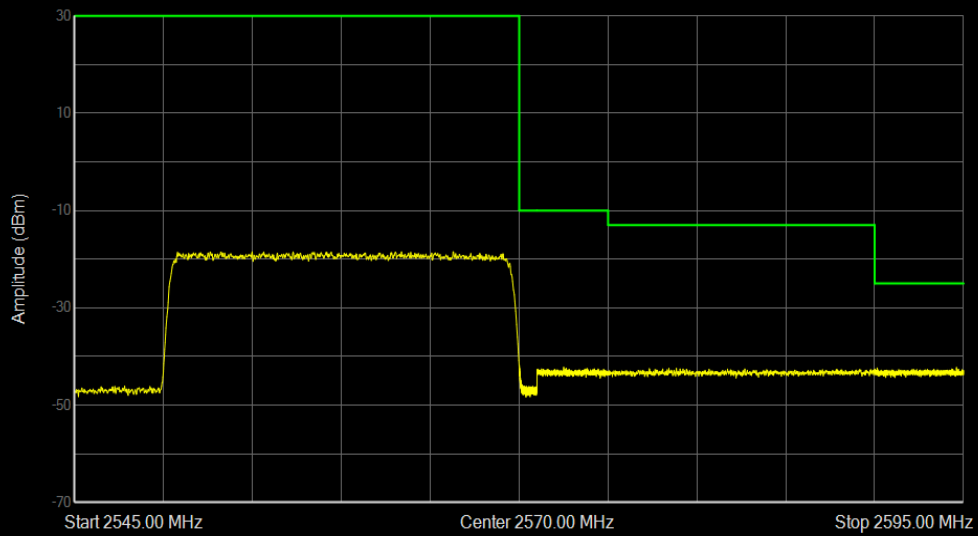
n7 SCS=15kHz CP_QPSK BW=20MHz Channel=502000 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490.5	1000	2481.076	-42.54	-25
2	2490.5	2496	1000	2494.1575	-42.49	-13
3	2496	2499	1000	2499	-33.4	-10
4	2499	2500	100	2499.988	-49.81	-10

n7 SCS=15kHz CP_QPSK BW=20MHz Channel=502000 RB=1@105

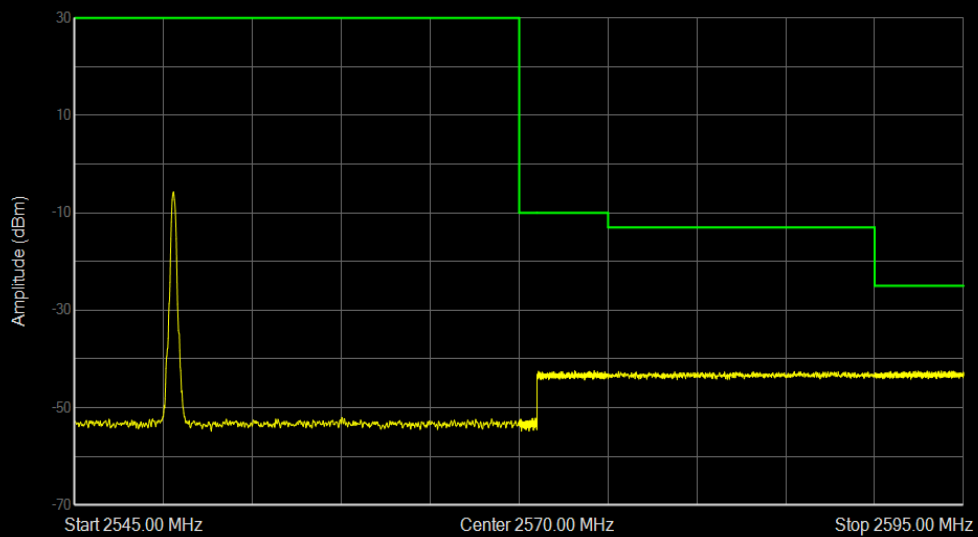
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490.5	1000	2480.332	-42.62	-25
2	2490.5	2496	1000	2493.1125	-42.46	-13
3	2496	2499	1000	2496.375	-42.57	-10
4	2499	2500	100	2499.853	-52.33	-10

n7 SCS=15kHz CP_QPSK BW=20MHz Channel=512000 RB=106@0



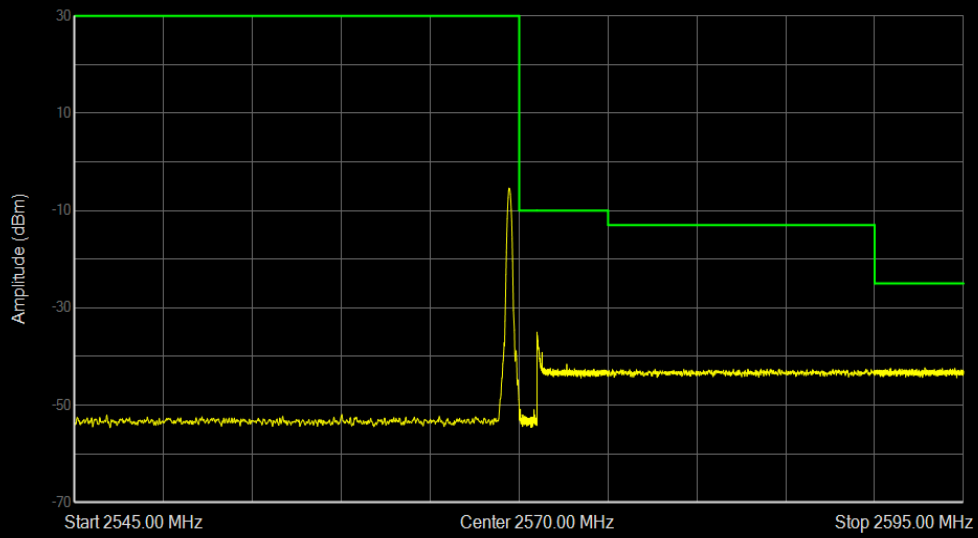
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	430	2570.005	-41.8	-10
3	2571	2575	1000	2572.5	-42.22	-10
4	2575	2590	1000	2578.42	-42.44	-13
5	2590	2595	1000	2594.6	-42.26	-25

n7 SCS=15kHz CP_QPSK BW=20MHz Channel=512000 RB=1@0



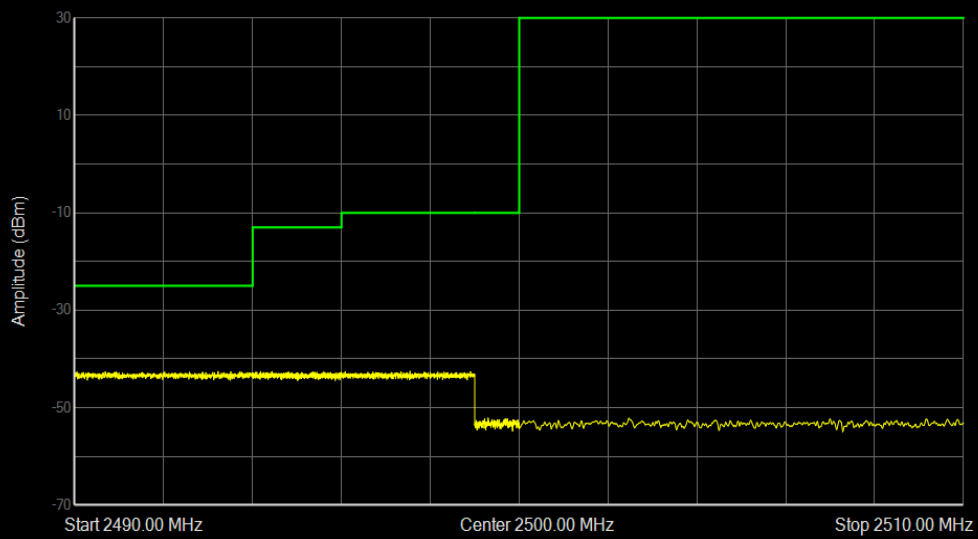
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.914	-52.17	-10
3	2571	2575	1000	2574.216	-42.42	-10
4	2575	2590	1000	2575.585	-42.58	-13
5	2590	2595	1000	2593.75	-42.48	-25

n7 SCS=15kHz CP_QPSK BW=20MHz Channel=512000 RB=1@105



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.005	-50.68	-10
3	2571	2575	1000	2571.004	-35.41	-10
4	2575	2590	1000	2583.595	-42.59	-13
5	2590	2595	1000	2592.825	-42.33	-25

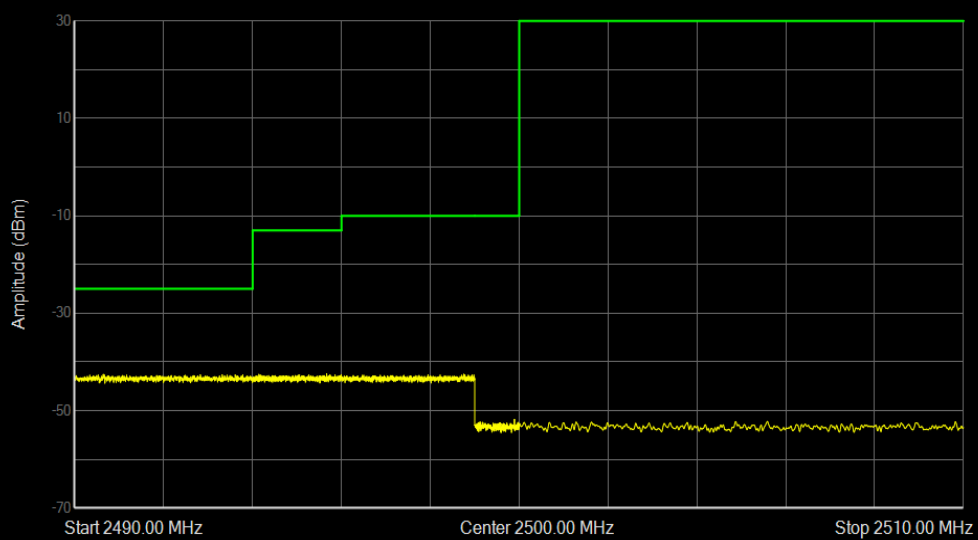
n7 SCS=15kHz CP_QPSK BW=5MHz Channel=500500 RB=1@0



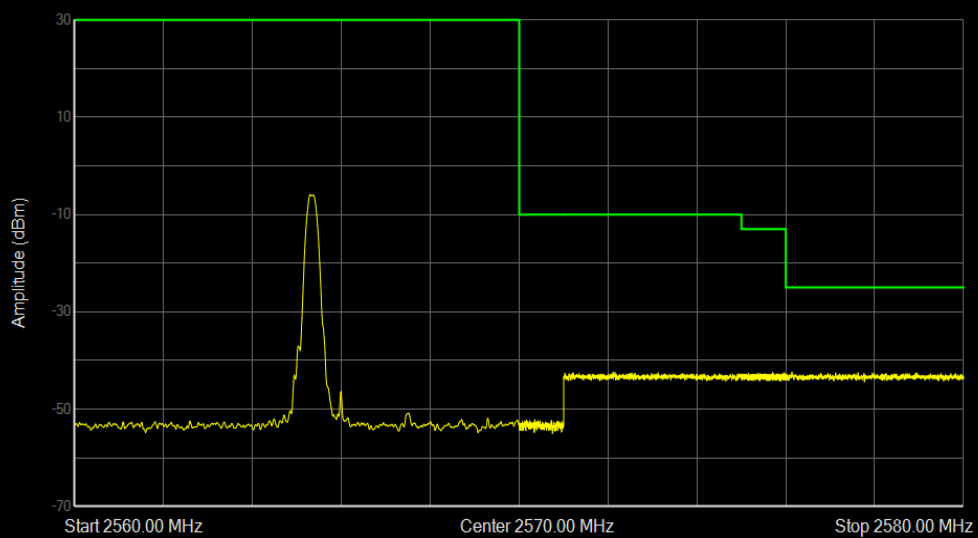
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2490	2494	1000	2493.224	-42.56	-25
2	2494	2496	1000	2494.43	-42.58	-13
3	2496	2499	1000	2497.542	-42.53	-10
4	2499	2500	100	2499.299	-52.15	-10

n7 SCS=15kHz CP_QPSK BW=5MHz Channel=500500 RB=1@24

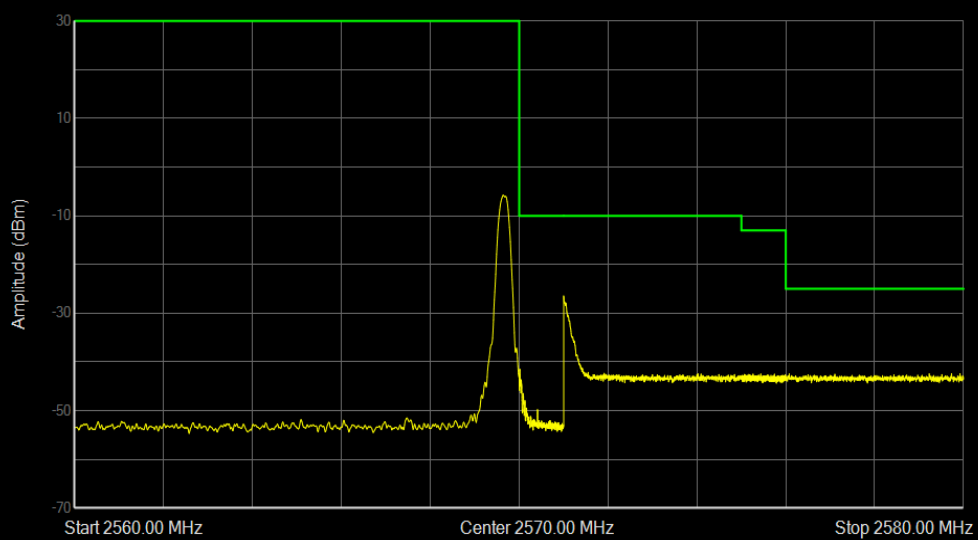
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2490	2494	1000	2493.572	-42.54	-25
2	2494	2496	1000	2494.004	-42.38	-13
3	2496	2499	1000	2498.523	-42.38	-10
4	2499	2500	100	2499.74	-51.77	-10

n7 SCS=15kHz CP_QPSK BW=5MHz Channel=500500 RB=25@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2490	2494	1000	2490.64	-42.54	-25
2	2494	2496	1000	2495.666	-42.41	-13
3	2496	2499	1000	2498.751	-42.51	-10
4	2499	2500	100	2499.892	-51.81	-10

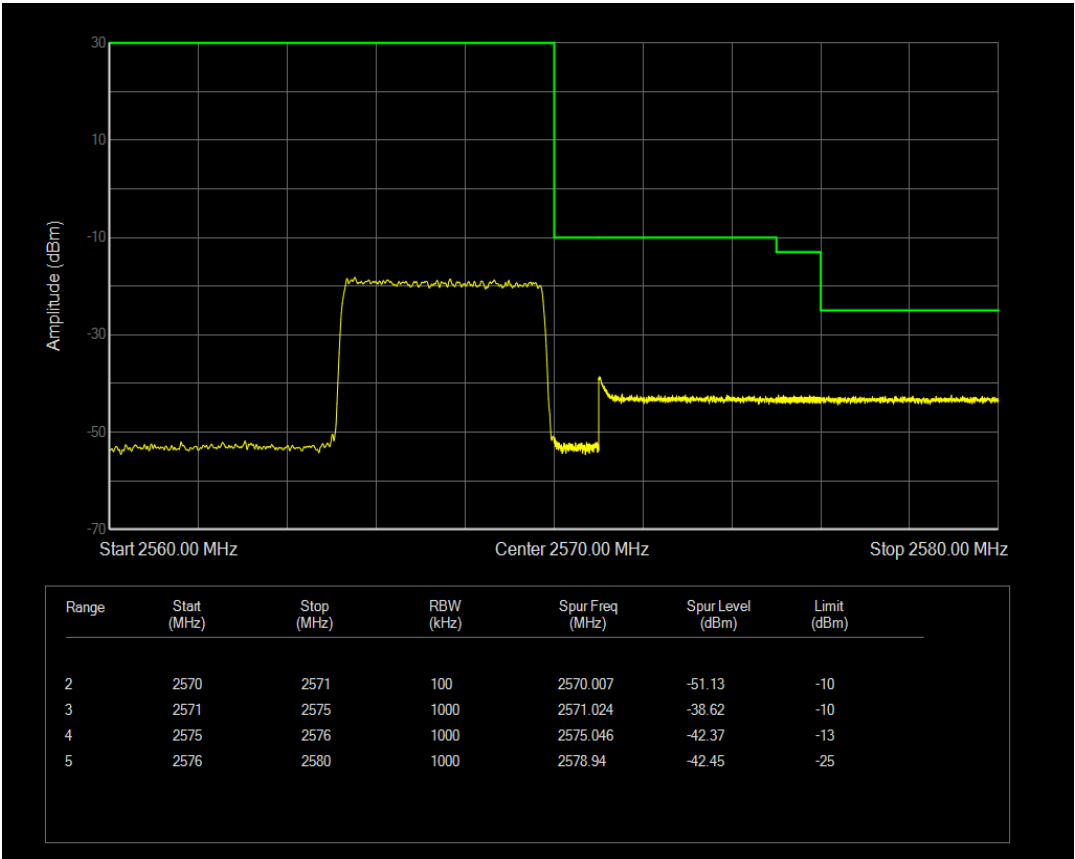
n7 SCS=15kHz CP_QPSK BW=5MHz Channel=513500 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.35	-52.19	-10
3	2571	2575	1000	2572.112	-42.4	-10
4	2575	2576	1000	2575.7	-42.48	-13
5	2576	2580	1000	2576.136	-42.4	-25

n7 SCS=15kHz CP_QPSK BW=5MHz Channel=513500 RB=1@24

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.012	-41.51	-10
3	2571	2575	1000	2571.004	-26.93	-10
4	2575	2576	1000	2575.436	-42.47	-13
5	2576	2580	1000	2579.92	-42.41	-25

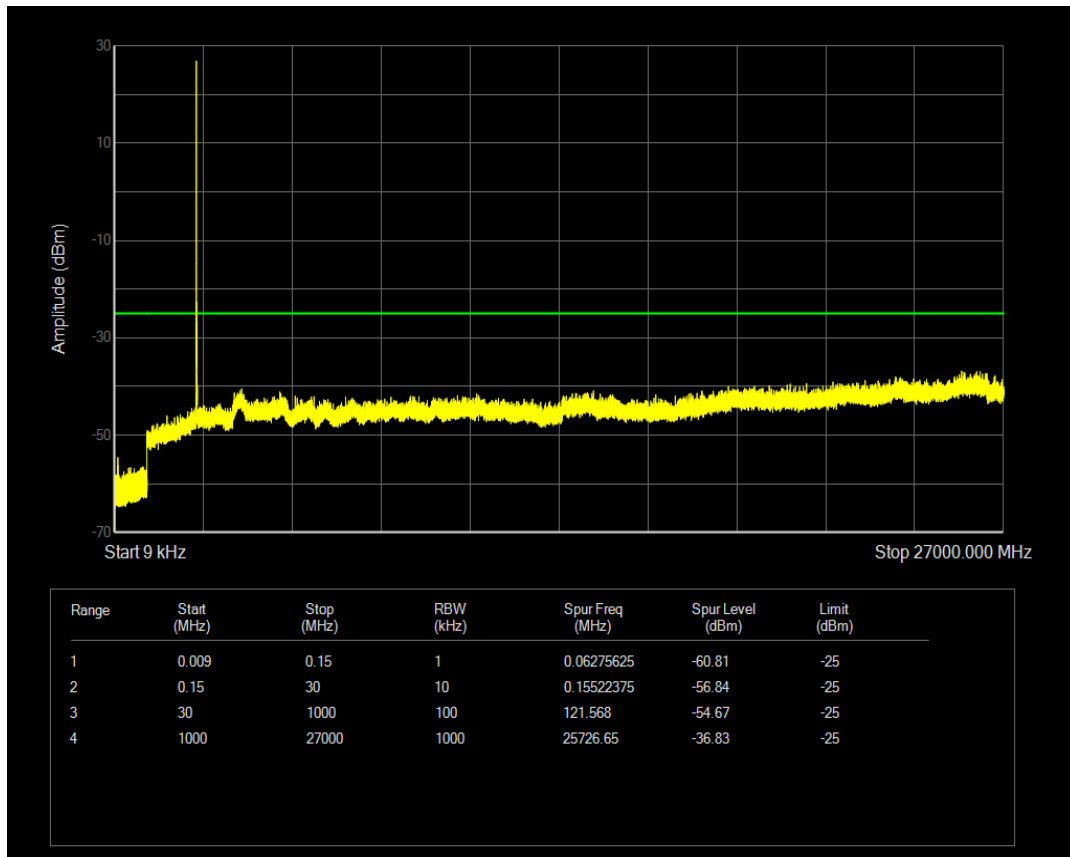
n7 SCS=15kHz CP_QPSK BW=5MHz Channel=513500 RB=25@0



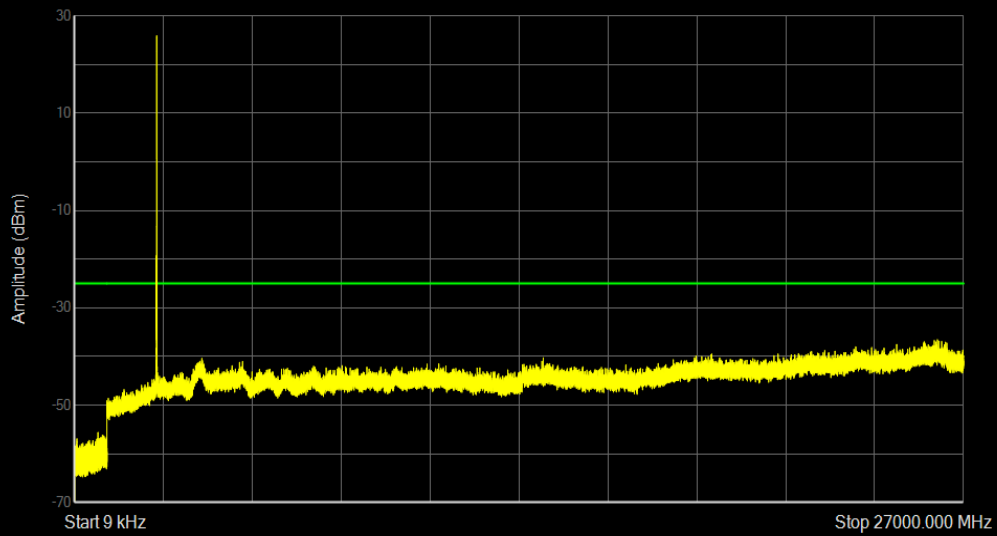
6 Out-of-band emissions for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n7	15	5	500500	25@0	CP_QPSK	26257.70	-36.51	-25	PASS
n7	15	5	500500	1@0	CP_QPSK	25734.45	-36.52	-25	PASS
n7	15	5	500500	1@24	CP_QPSK	25744.85	-36.75	-25	PASS
n7	15	5	513500	25@0	CP_QPSK	26127.70	-36.43	-25	PASS
n7	15	5	513500	1@0	CP_QPSK	26045.80	-36.91	-25	PASS
n7	15	5	513500	1@24	CP_QPSK	26141.35	-36.63	-25	PASS
n7	15	15	501500	79@0	CP_QPSK	26460.50	-36.98	-25	PASS
n7	15	15	501500	1@0	CP_QPSK	25726.65	-36.83	-25	PASS
n7	15	15	501500	1@78	CP_QPSK	26207.00	-36.55	-25	PASS
n7	15	15	512500	79@0	CP_QPSK	26182.95	-36.57	-25	PASS
n7	15	15	512500	1@0	CP_QPSK	26187.50	-36.79	-25	PASS
n7	15	15	512500	1@78	CP_QPSK	24282.35	-36.63	-25	PASS
n7	15	20	502000	106@0	CP_QPSK	25004.50	-36.83	-25	PASS
n7	15	20	502000	1@0	CP_QPSK	25954.80	-36.76	-25	PASS
n7	15	20	502000	1@105	CP_QPSK	25801.40	-36.80	-25	PASS
n7	15	20	512000	106@0	CP_QPSK	25876.15	-36.87	-25	PASS
n7	15	20	512000	1@0	CP_QPSK	26429.30	-36.16	-25	PASS
n7	15	20	512000	1@105	CP_QPSK	26033.45	-36.82	-25	PASS

n7 SCS=15kHz CP_QPSK BW=15MHz Channel=501500 RB=1@0

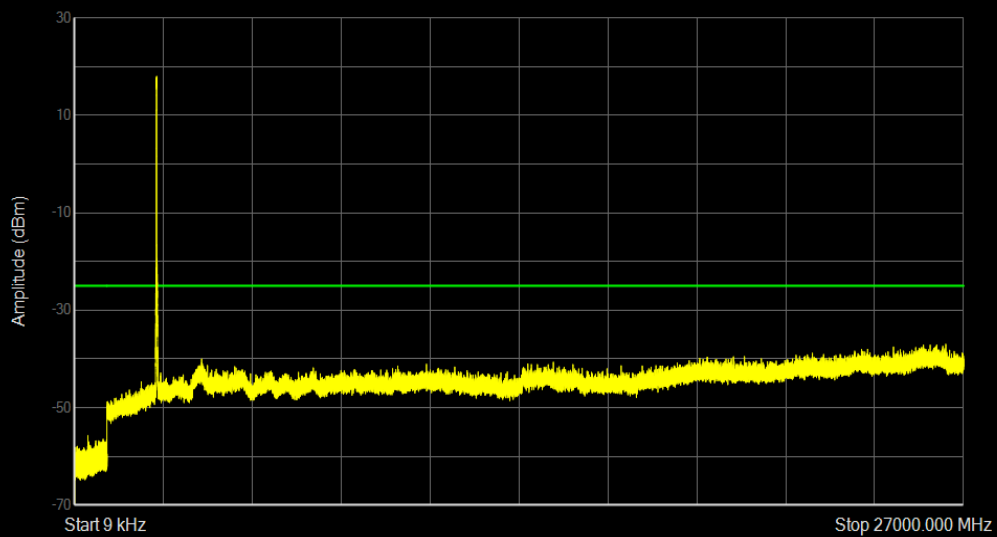


n7 SCS=15kHz CP_QPSK BW=15MHz Channel=501500 RB=1@78

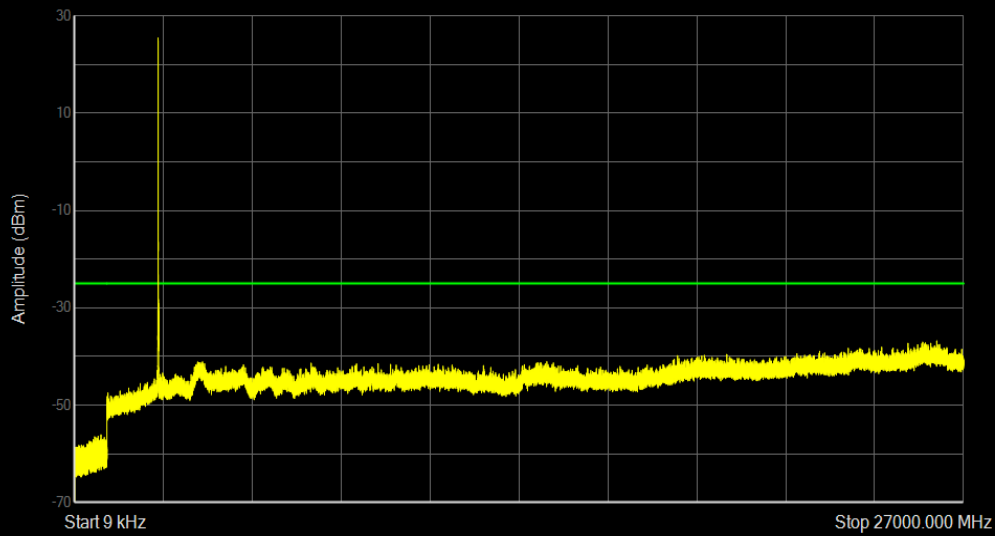


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06238965	-60.6	-25
2	0.15	30	10	0.15373125	-56.71	-25
3	30	1000	100	731.77075	-55.62	-25
4	1000	27000	1000	26207	-36.55	-25

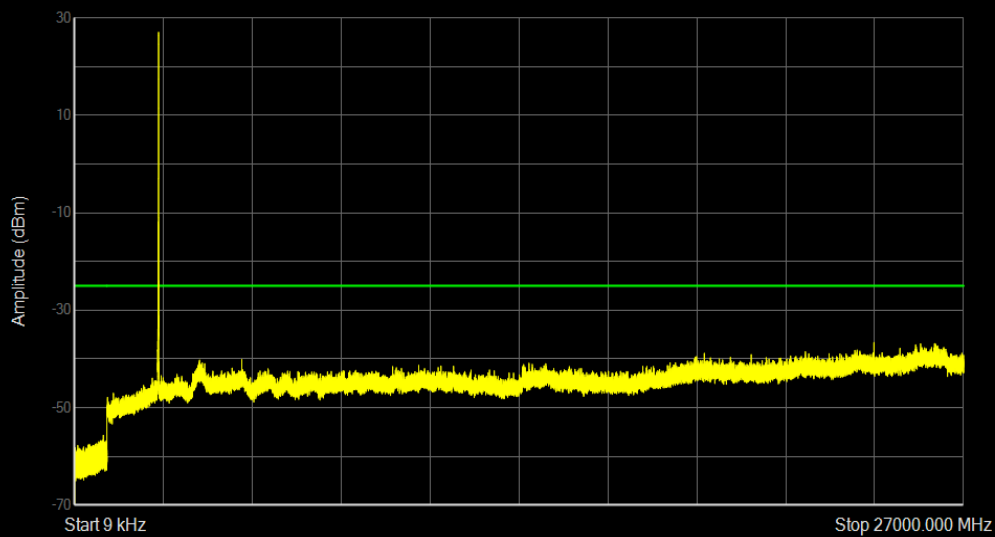
n7 SCS=15kHz CP_QPSK BW=15MHz Channel=501500 RB=79@0



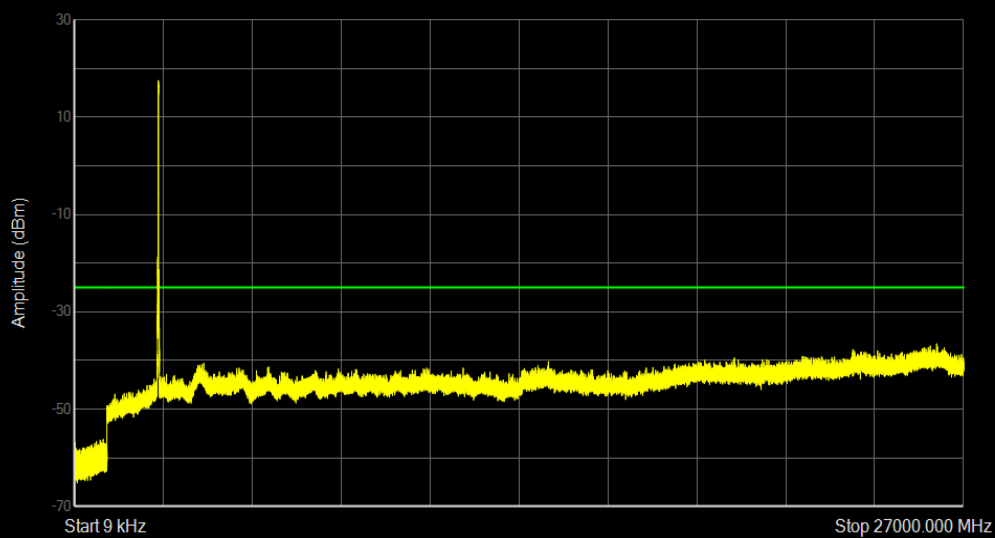
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062759775	-60.63	-25
2	0.15	30	10	0.18582	-56.93	-25
3	30	1000	100	427.04525	-55.77	-25
4	1000	27000	1000	26460.5	-36.98	-25

n7 SCS=15kHz CP_QPSK BW=15MHz Channel=512500 RB=1@0

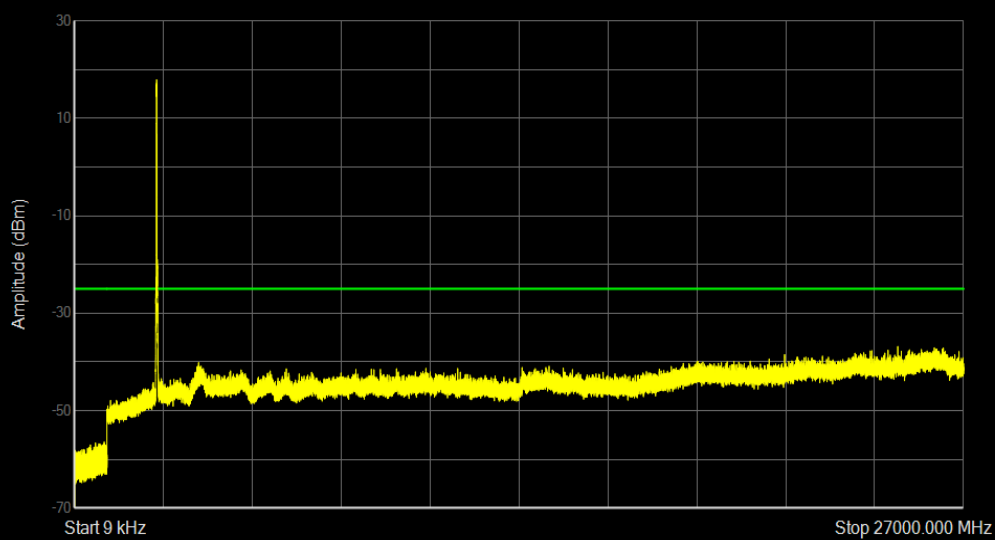
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062795025	-60.72	-25
2	0.15	30	10	0.16716375	-57.58	-25
3	30	1000	100	822.9265	-56.09	-25
4	1000	27000	1000	26187.5	-36.79	-25

n7 SCS=15kHz CP_QPSK BW=15MHz Channel=512500 RB=1@78

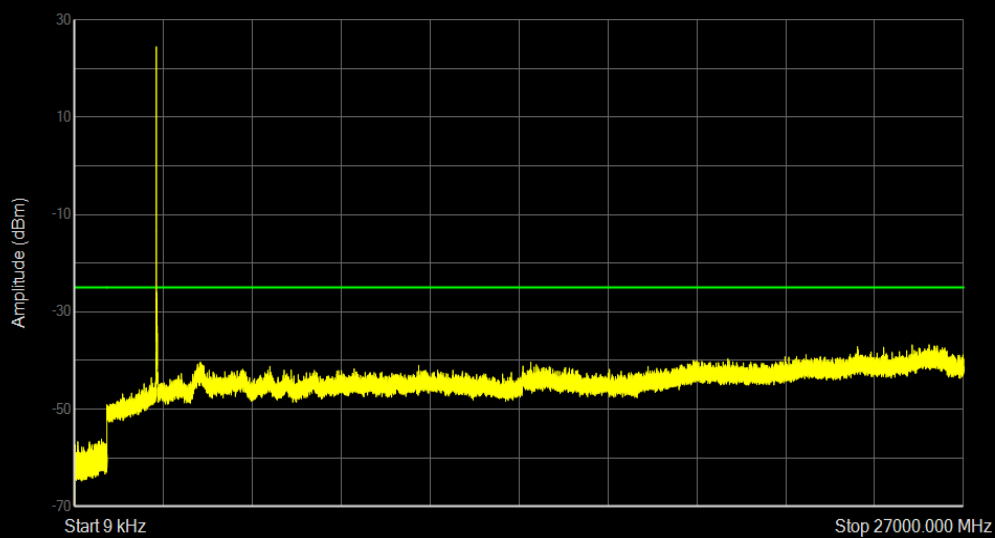
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0627915	-60.66	-25
2	0.15	30	10	8.260245	-56.13	-25
3	30	1000	100	893.56675	-55.69	-25
4	1000	27000	1000	24282.35	-36.63	-25

n7 SCS=15kHz CP_QPSK BW=15MHz Channel=512500 RB=79@0

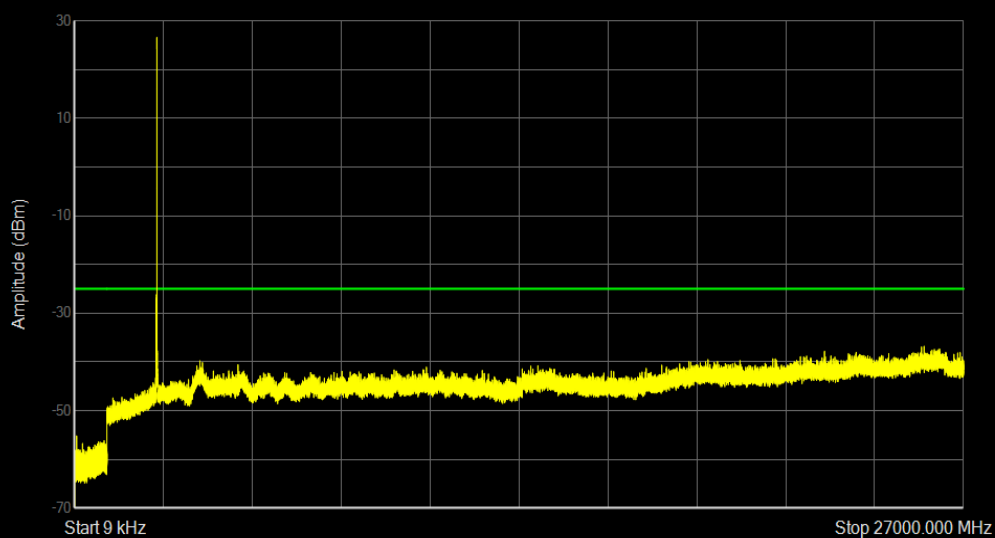
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0627492	-60.23	-25
2	0.15	30	10	0.16119375	-57.61	-25
3	30	1000	100	891.57825	-56.22	-25
4	1000	27000	1000	26182.95	-36.57	-25

n7 SCS=15kHz CP_QPSK BW=20MHz Channel=502000 RB=106@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062646975	-60.58	-25
2	0.15	30	10	0.15	-57.07	-25
3	30	1000	100	918.59275	-56.47	-25
4	1000	27000	1000	25004.5	-36.83	-25

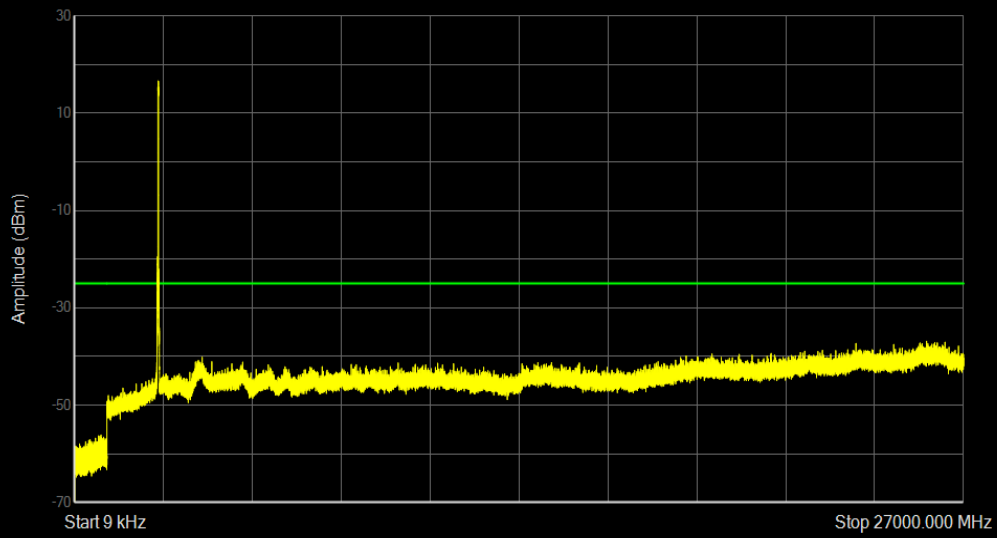
n7 SCS=15kHz CP_QPSK BW=20MHz Channel=502000 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062491875	-60.05	-25
2	0.15	30	10	0.1574625	-55.33	-25
3	30	1000	100	838.5435	-56.19	-25
4	1000	27000	1000	25954.8	-36.76	-25

n7 SCS=15kHz CP_QPSK BW=20MHz Channel=502000 RB=1@105

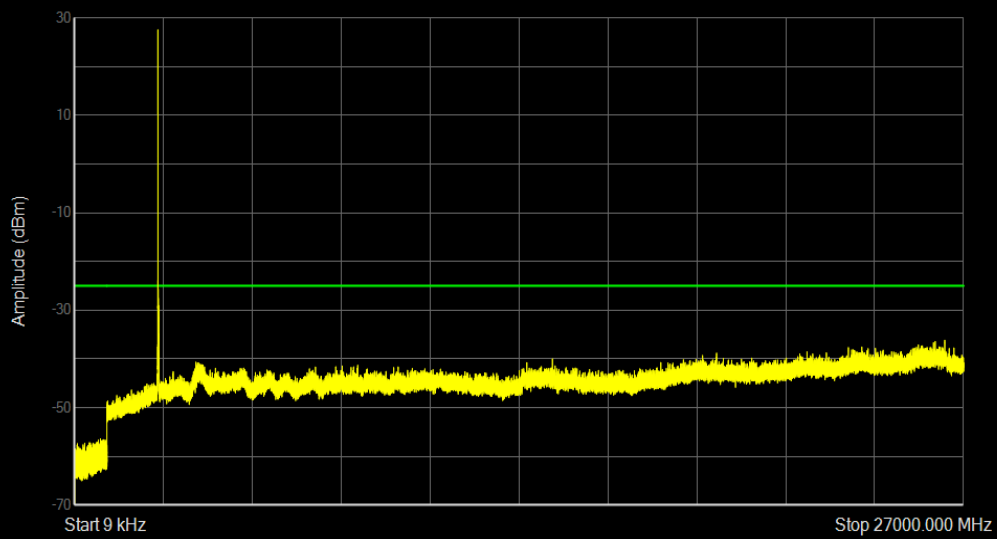
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06260115	-60.04	-25
2	0.15	30	10	0.15	-55.89	-25
3	30	1000	100	83.61675	-55.18	-25
4	1000	27000	1000	25801.4	-36.8	-25

n7 SCS=15kHz CP_QPSK BW=20MHz Channel=512000 RB=106@0



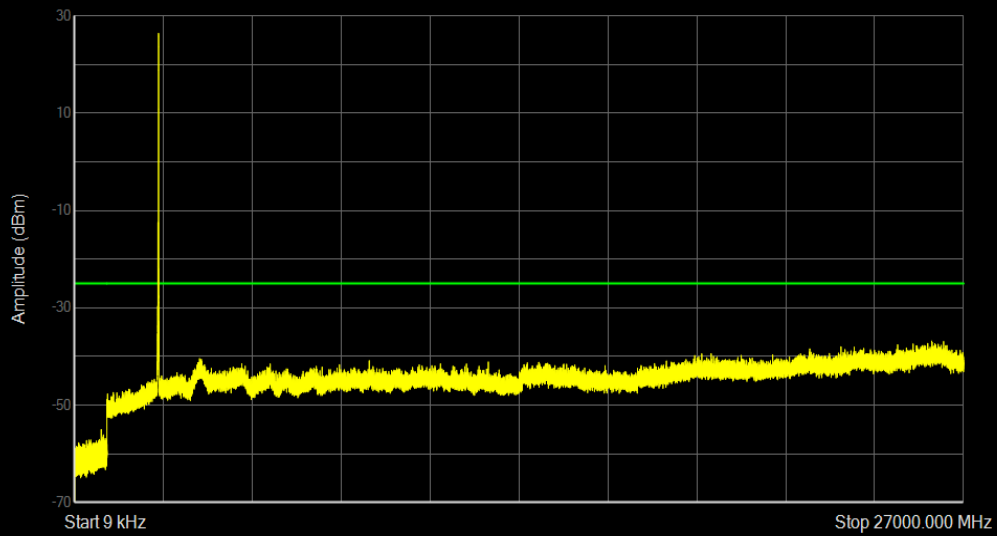
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0626787	-60.91	-25
2	0.15	30	10	0.1604475	-56.42	-25
3	30	1000	100	824.74525	-56.13	-25
4	1000	27000	1000	25876.15	-36.87	-25

n7 SCS=15kHz CP_QPSK BW=20MHz Channel=512000 RB=1@0



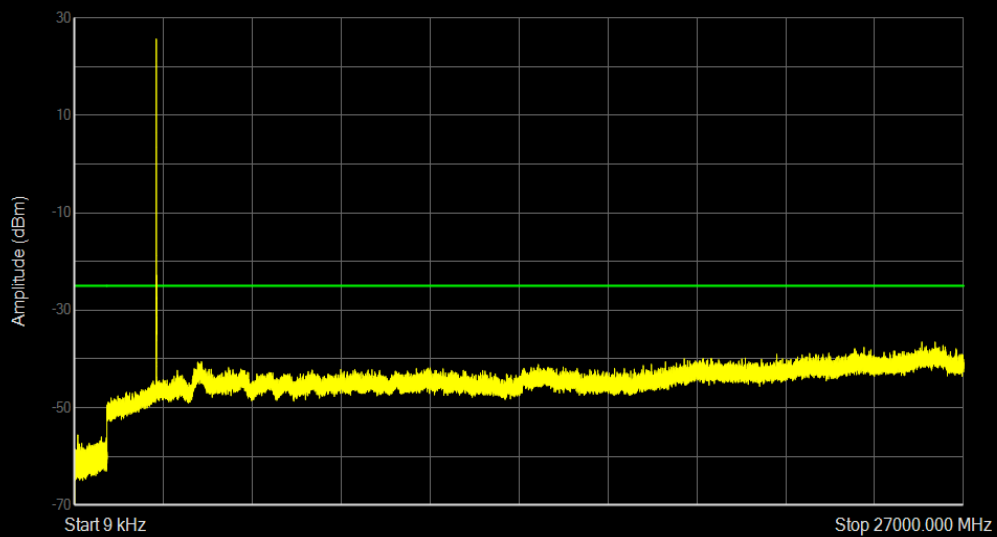
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062992425	-60.95	-25
2	0.15	30	10	0.15074625	-55.75	-25
3	30	1000	100	806.097	-56.39	-25
4	1000	27000	1000	26429.3	-36.16	-25

n7 SCS=15kHz CP_QPSK BW=20MHz Channel=512000 RB=1@105

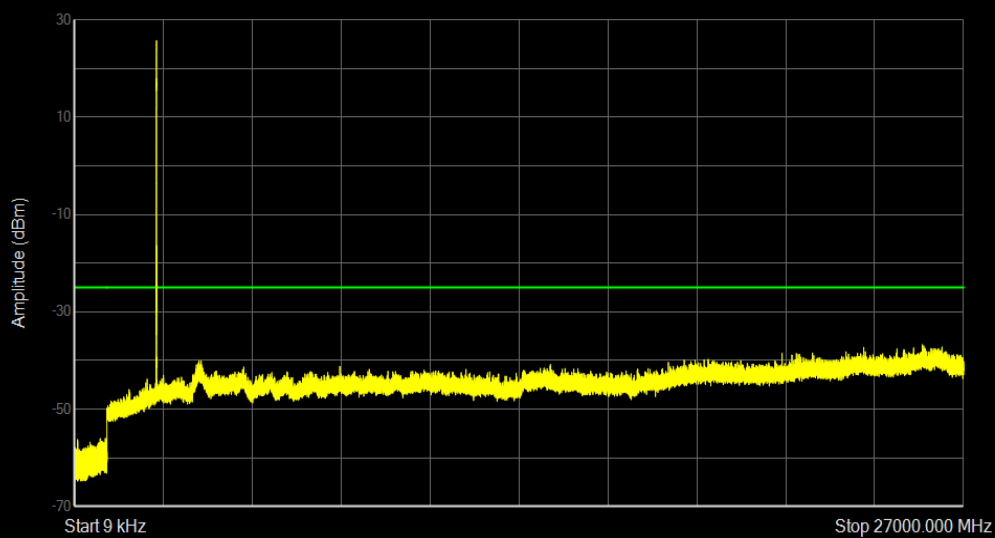


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06282675	-59.45	-25
2	0.15	30	10	0.1634325	-55.23	-25
3	30	1000	100	829.30425	-55.01	-25
4	1000	27000	1000	26033.45	-36.82	-25

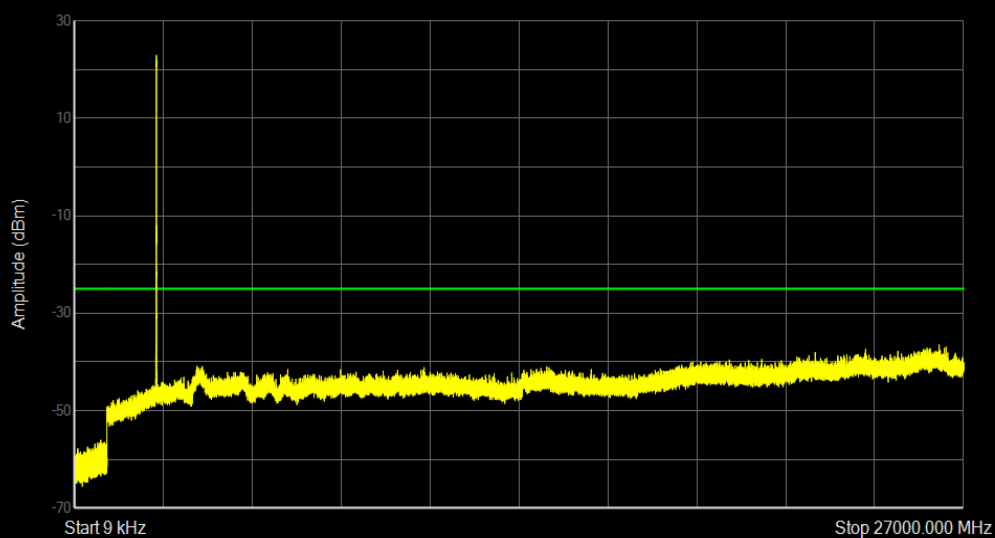
n7 SCS=15kHz CP_QPSK BW=5MHz Channel=500500 RB=1@0



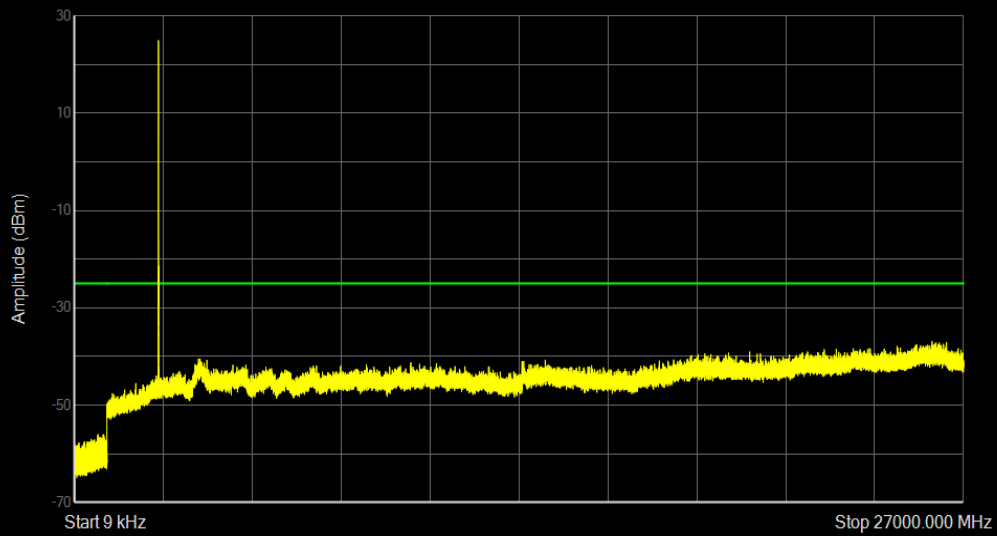
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062837325	-60.9	-25
2	0.15	30	10	0.17164125	-56.4	-25
3	30	1000	100	121.762	-55.61	-25
4	1000	27000	1000	25734.45	-36.52	-25

n7 SCS=15kHz CP_QPSK BW=5MHz Channel=500500 RB=1@24

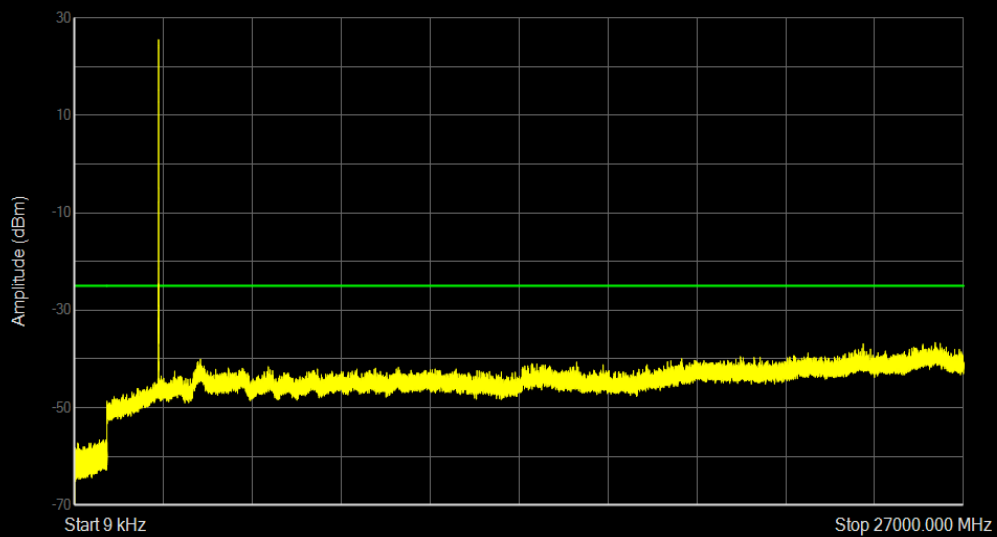
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062802075	-60.12	-25
2	0.15	30	10	0.16119375	-56.55	-25
3	30	1000	100	954.57975	-56	-25
4	1000	27000	1000	25744.85	-36.75	-25

n7 SCS=15kHz CP_QPSK BW=5MHz Channel=500500 RB=25@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0627774	-60.03	-25
2	0.15	30	10	0.15074625	-55.93	-25
3	30	1000	100	818.73125	-56.04	-25
4	1000	27000	1000	26257.7	-36.51	-25

n7 SCS=15kHz CP_QPSK BW=5MHz Channel=513500 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062721	-61.2	-25
2	0.15	30	10	0.15671625	-56.31	-25
3	30	1000	100	731.795	-56.03	-25
4	1000	27000	1000	26045.8	-36.91	-25

n7 SCS=15kHz CP_QPSK BW=5MHz Channel=513500 RB=1@24

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062893725	-61.08	-25
2	0.15	30	10	0.152985	-57.49	-25
3	30	1000	100	776.87575	-56.61	-25
4	1000	27000	1000	26141.35	-36.63	-25

n7 SCS=15kHz CP_QPSK BW=5MHz Channel=513500 RB=25@0

