



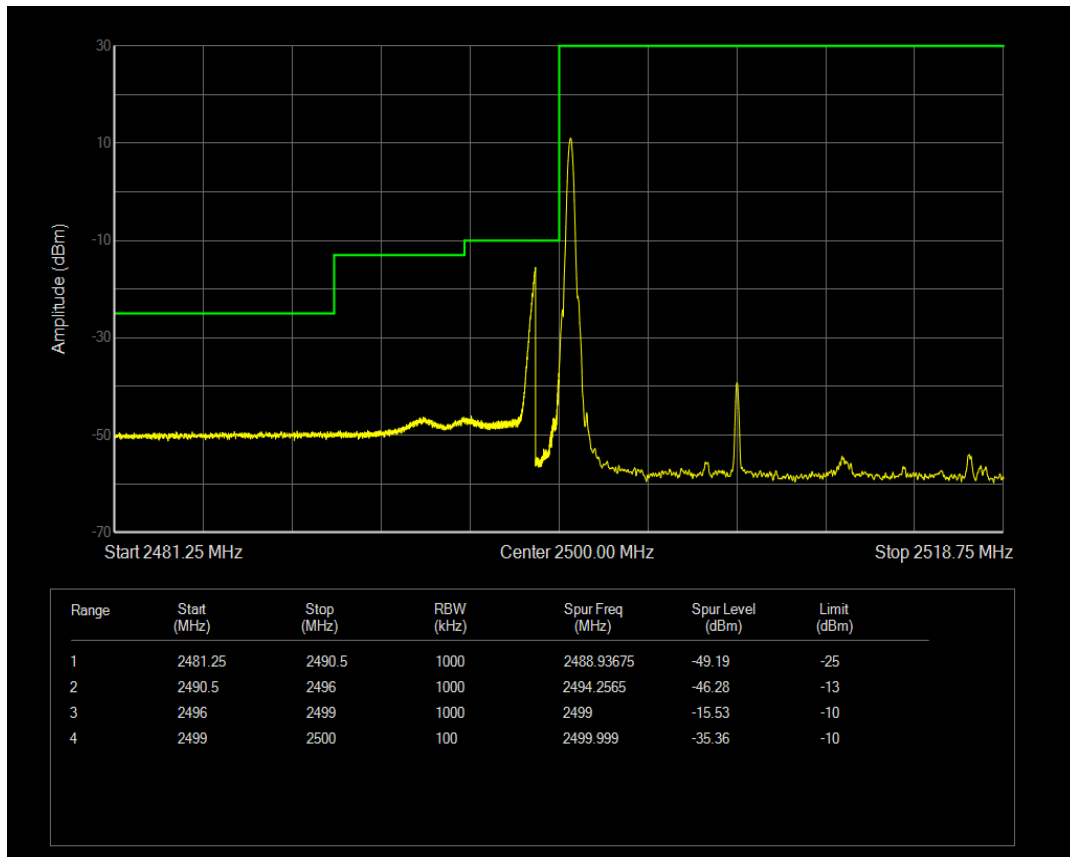
n7 SCS=15kHz DFT_QPSK BW=5MHz Channel=507000 RB=25@0



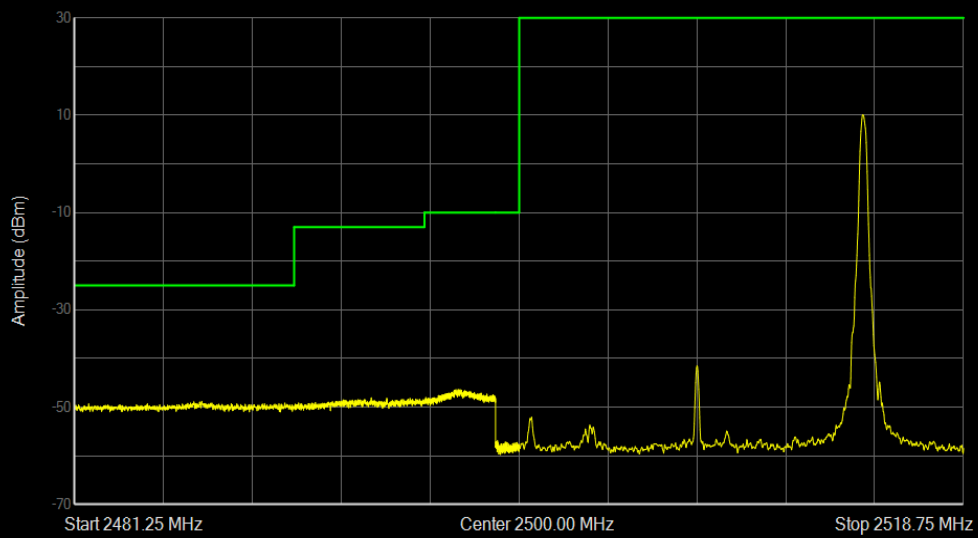
5 Band edge for NR FR1

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	2498.99	-22.14	-10	PASS
n7	15	5	500500	1@0	CP_QPSK	2499.00	-10.41	-10	PASS
n7	15	5	500500	1@24	CP_QPSK	2504.66	9.49	30	PASS
n7	15	5	513500	25@0	CP_QPSK	2571.00	-24.47	-10	PASS
n7	15	5	513500	1@0	CP_QPSK	2565.32	10.17	30	PASS
n7	15	5	513500	1@24	CP_QPSK	2571.02	-12.46	-10	PASS
n7	15	15	501500	79@0	CP_QPSK	2490.39	-41.38	-25	PASS
n7	15	15	501500	1@0	CP_QPSK	2499.00	-15.53	-10	PASS
n7	15	15	501500	1@78	CP_QPSK	2514.49	10.08	30	PASS
n7	15	15	512500	79@0	CP_QPSK	2586.88	-48.04	-25	PASS
n7	15	15	512500	1@0	CP_QPSK	2555.43	10.23	30	PASS
n7	15	15	512500	1@78	CP_QPSK	2571.02	-16.88	-10	PASS
n7	15	20	502000	106@0	CP_QPSK	2500.00	-25.50	-10	PASS
n7	15	20	502000	1@0	CP_QPSK	2499.00	-18.07	-10	PASS
n7	15	20	502000	1@105	CP_QPSK	2519.43	10.70	30	PASS
n7	15	20	512000	106@0	CP_QPSK	2570.00	-28.53	-10	PASS
n7	15	20	512000	1@0	CP_QPSK	2550.58	10.20	30	PASS
n7	15	20	512000	1@105	CP_QPSK	2571.00	-21.00	-10	PASS

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

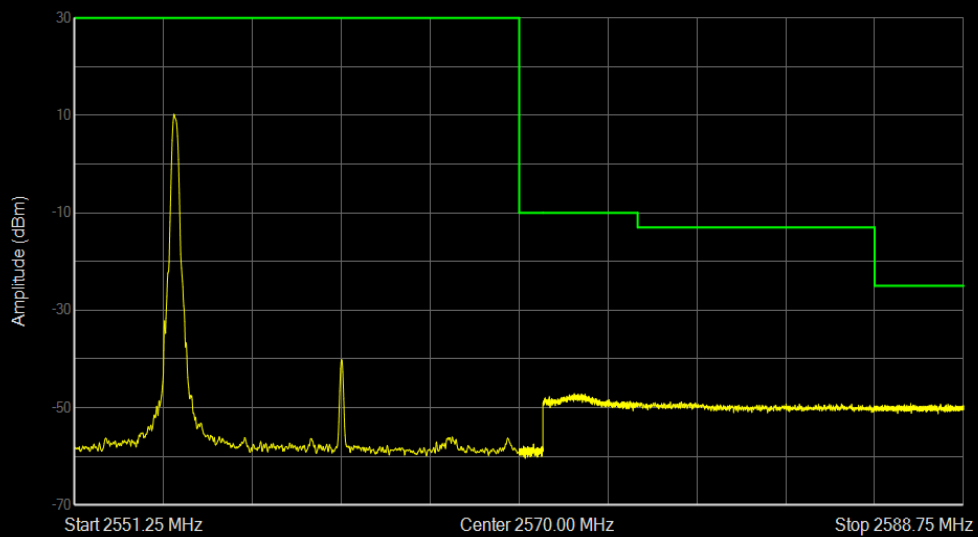


n7 SCS=15kHz CP_QPSK BW=15MHz Channel=501500 RB=1@78



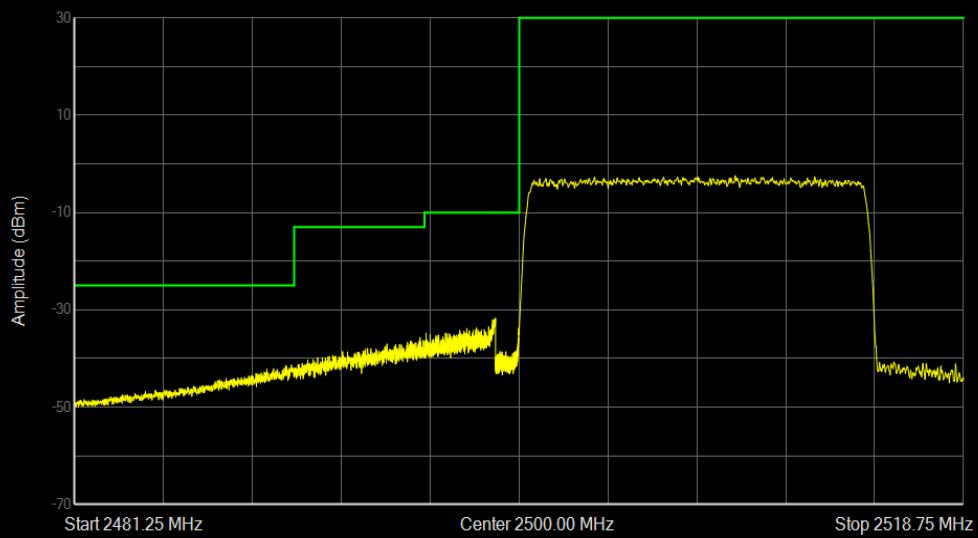
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2481.25	2490.5	1000	2486.60575	-48.81	-25
2	2490.5	2496	1000	2493.756	-48.07	-13
3	2496	2499	1000	2497.446	-46.39	-10
4	2499	2500	100	2499.084	-56.9	-10

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



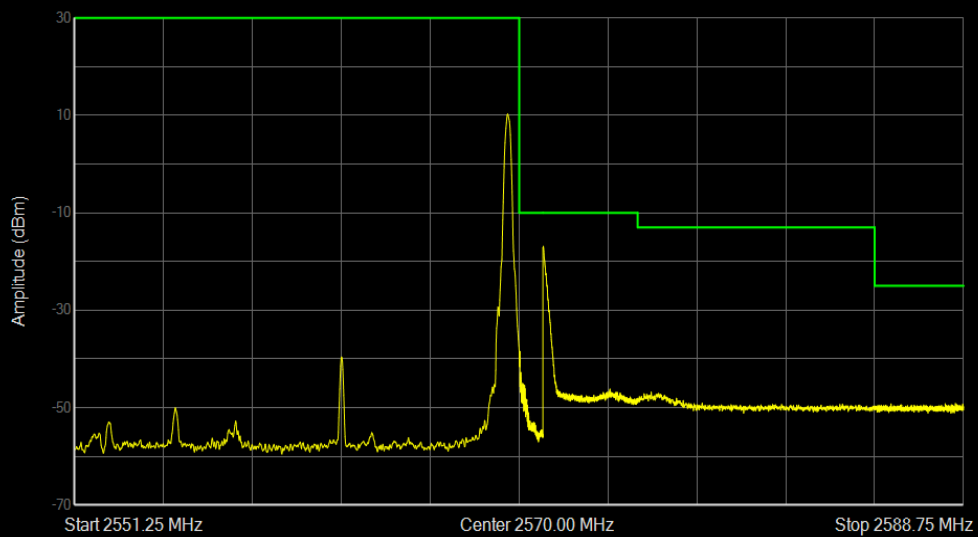
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.606	-57.48	-10
3	2571	2575	1000	2572.32	-47.13	-10
4	2575	2585	1000	2576.85	-48.83	-13
5	2585	2588.75	1000	2586.51875	-49.16	-25

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	2481.25	2490.5	1000	2490.389	-41.38	-25
2	2490.5	2496	1000	2495.813	-35.71	-13
3	2496	2499	1000	2499	-31.74	-10
4	2499	2500	300	2500	-33.19	-10

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



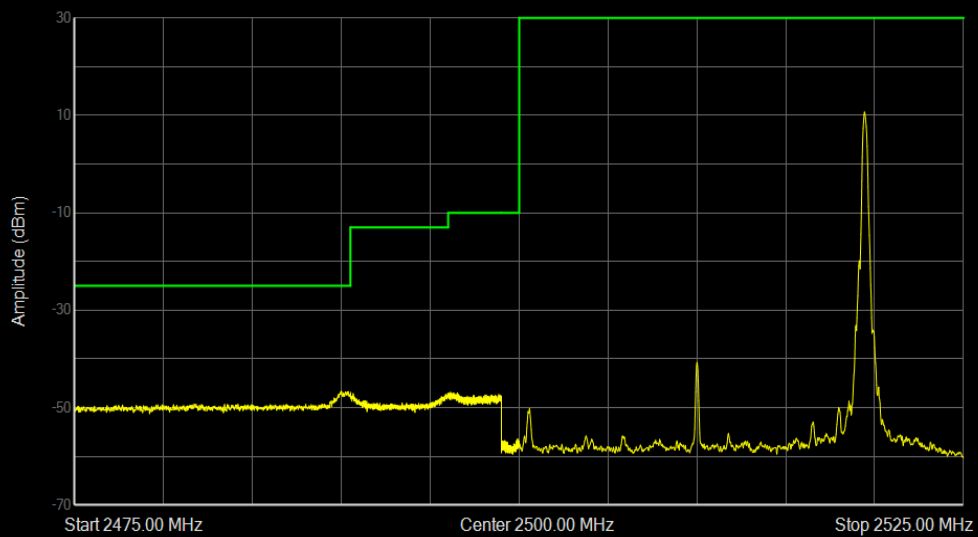
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.003	-38.4	-10
3	2571	2575	1000	2571.02	-16.88	-10
4	2575	2585	1000	2575.57	-46.81	-13
5	2585	2588.75	1000	2588.405	-49.15	-25

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



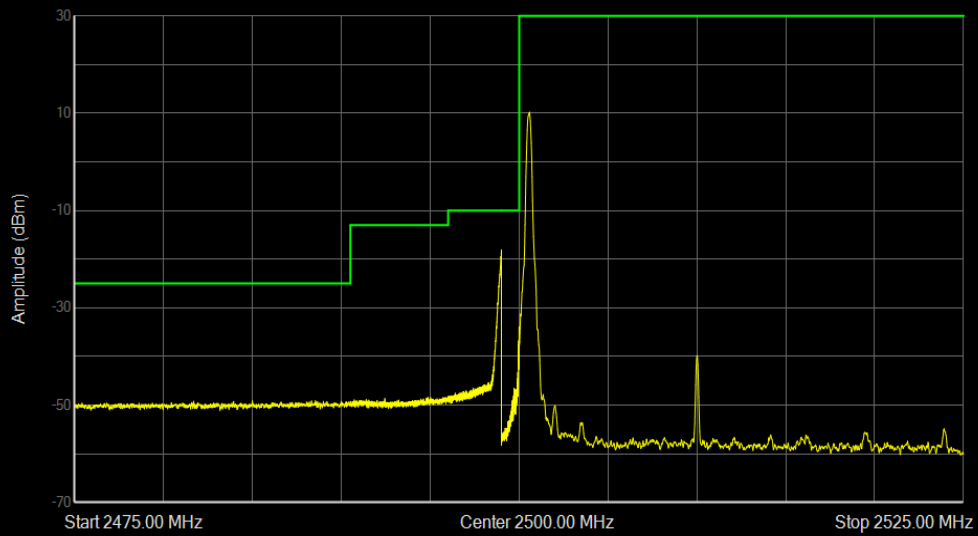
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	300	2570.011	-34.93	-10
3	2571	2575	1000	2571.008	-34.37	-10
4	2575	2585	1000	2575.05	-38.87	-13
5	2585	2588.75	1000	2586.8825	-48.04	-25

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	2475	2490.5	1000	2490.004	-46.65	-25
2	2490.5	2496	1000	2490.511	-46.87	-13
3	2496	2499	1000	2496.138	-46.85	-10
4	2499	2500	100	2499.91	-56.46	-10

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



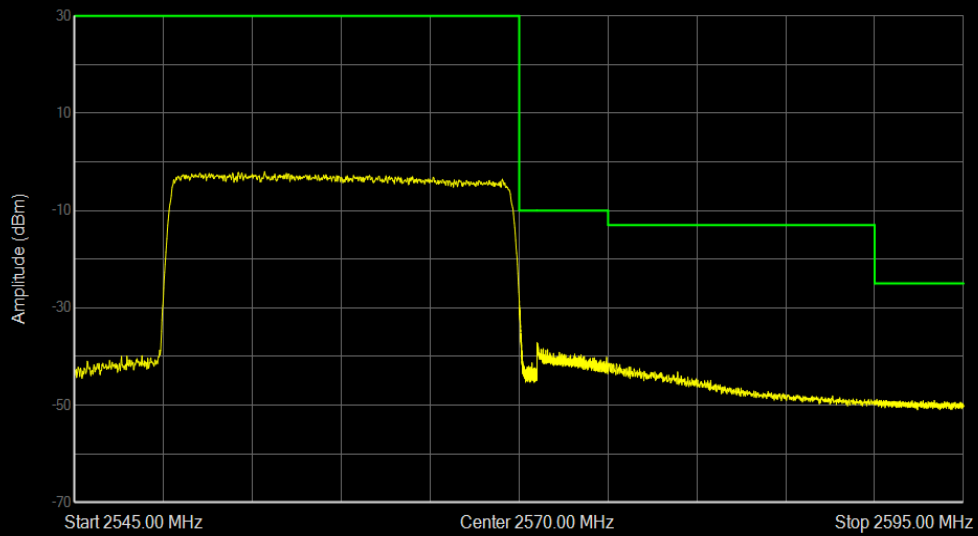
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490.5	1000	2484.982	-49.11	-25
2	2490.5	2496	1000	2495.9835	-48.28	-13
3	2496	2499	1000	2499	-18.07	-10
4	2499	2500	100	2499.997	-33.9	-10

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



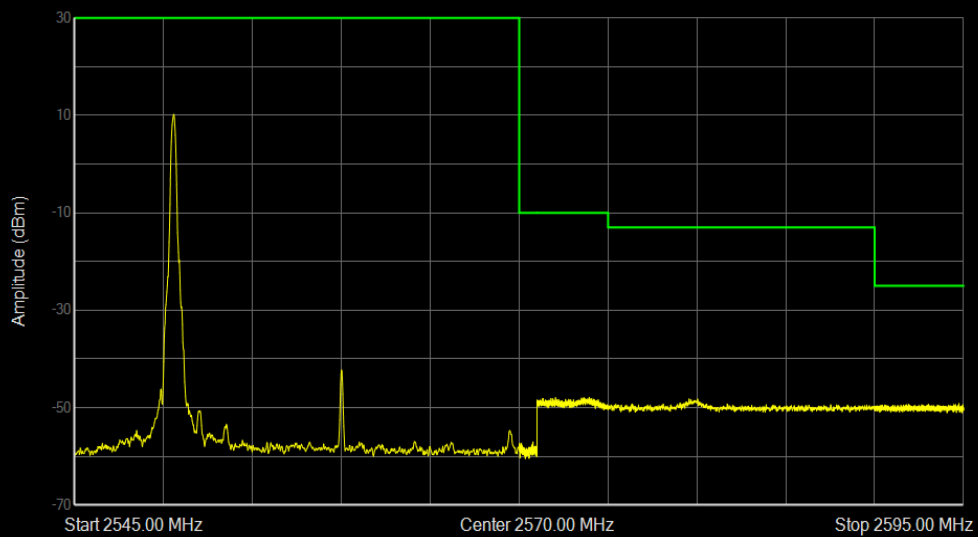
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490.5	1000	2488.733	-41.63	-25
2	2490.5	2496	1000	2495.978	-37.78	-13
3	2496	2499	1000	2498.991	-34.71	-10
4	2499	2500	430	2500	-25.5	-10

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



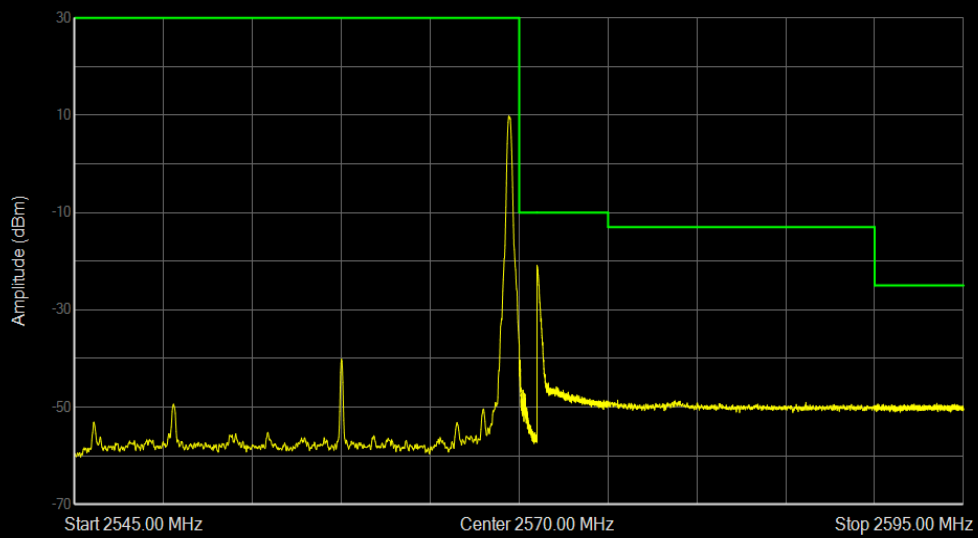
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	430	2570.001	-28.53	-10
3	2571	2575	1000	2571.032	-37.29	-10
4	2575	2590	1000	2575.09	-41.39	-13
5	2590	2595	1000	2590.115	-48.85	-25

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



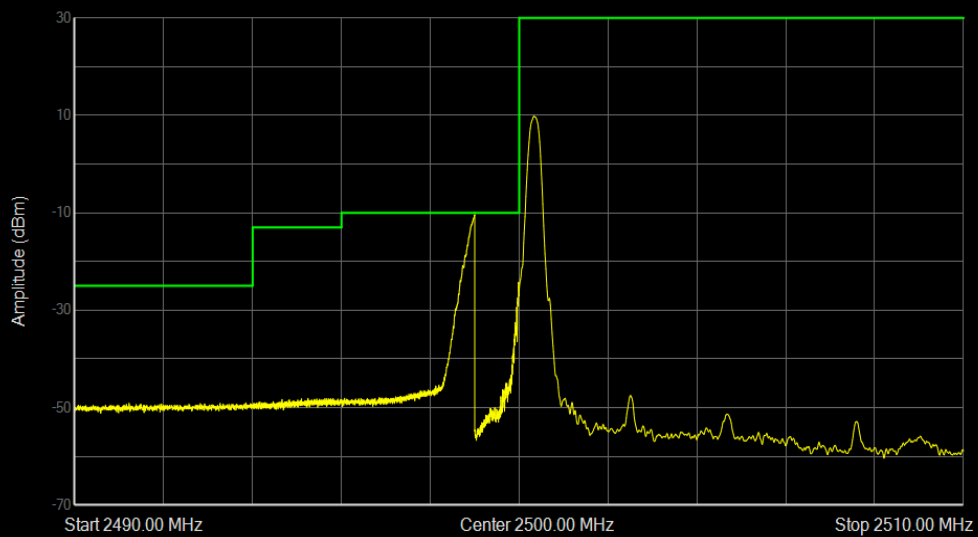
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.772	-57.04	-10
3	2571	2575	1000	2573.936	-47.9	-10
4	2575	2590	1000	2579.56	-48.22	-13
5	2590	2595	1000	2594.74	-49.15	-25

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



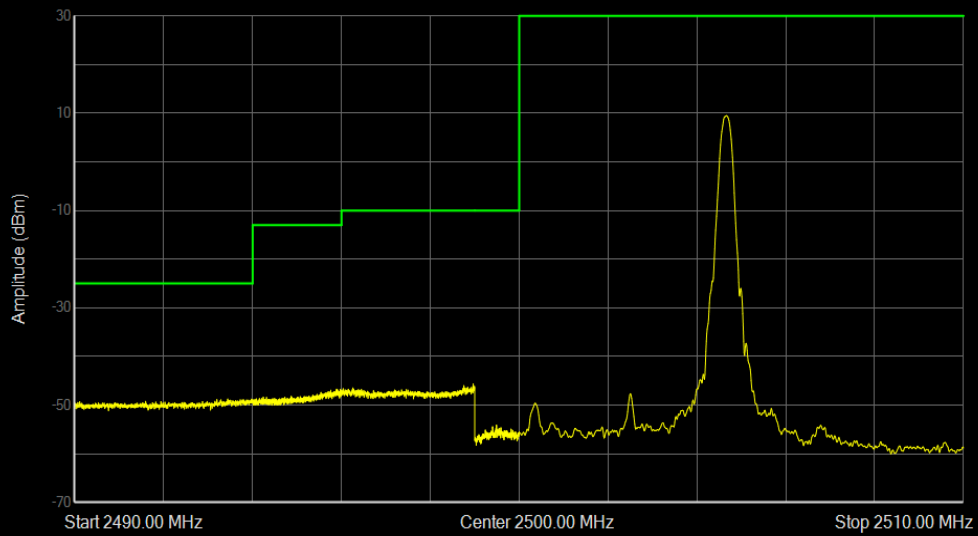
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.001	-36.54	-10
3	2571	2575	1000	2571.004	-21	-10
4	2575	2590	1000	2575.54	-48.56	-13
5	2590	2595	1000	2593.495	-49.22	-25

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



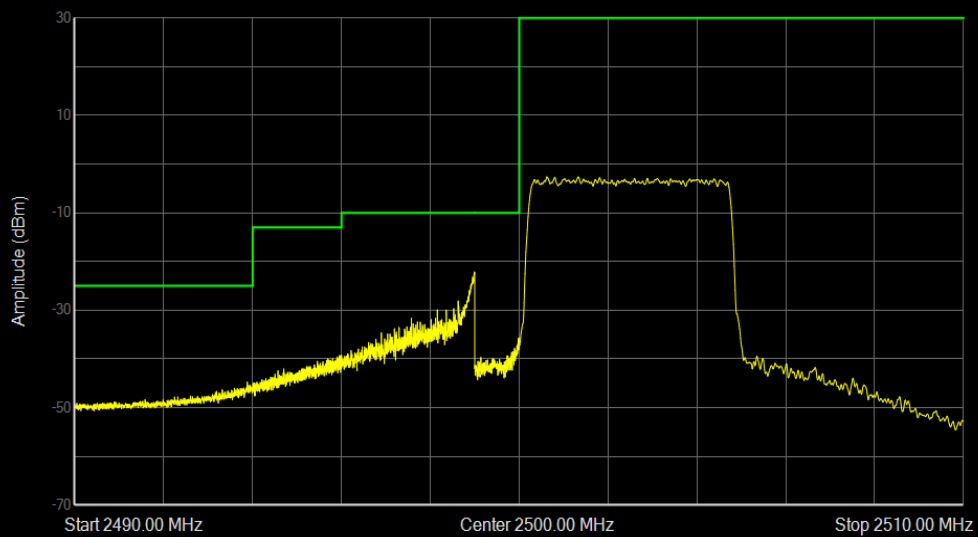
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2490	2494	1000	2493.848	-49.01	-25
2	2494	2496	1000	2495.246	-48.1	-13
3	2496	2499	1000	2499	-10.41	-10
4	2499	2500	100	2499.985	-24.29	-10

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



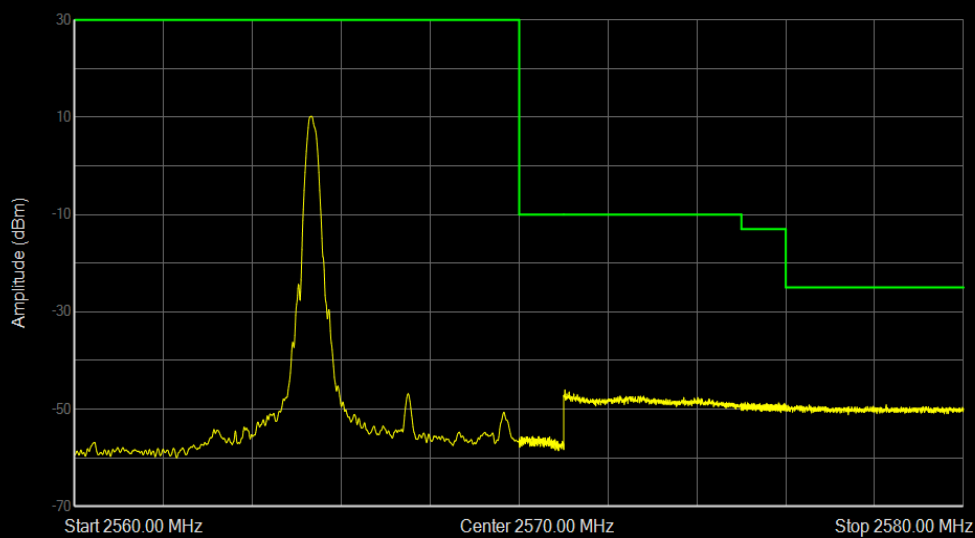
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2490	2494	1000	2493.44	-48.74	-25
2	2494	2496	1000	2495.888	-46.71	-13
3	2496	2499	1000	2498.964	-45.64	-10
4	2499	2500	100	2499.488	-54.1	-10

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



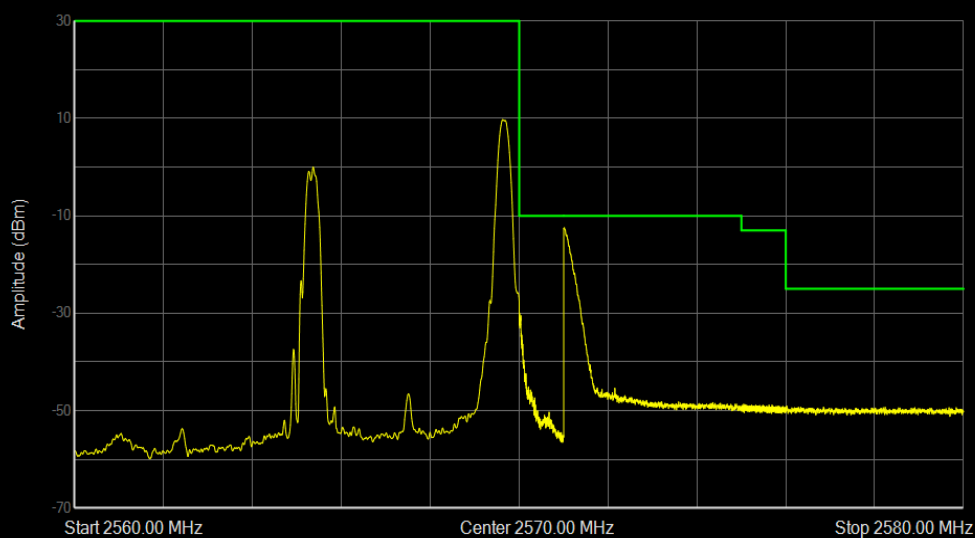
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2490	2494	1000	2493.88	-44.75	-25
2	2494	2496	1000	2496	-39.23	-13
3	2496	2499	1000	2498.994	-22.14	-10
4	2499	2500	100	2499.991	-35.68	-10

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



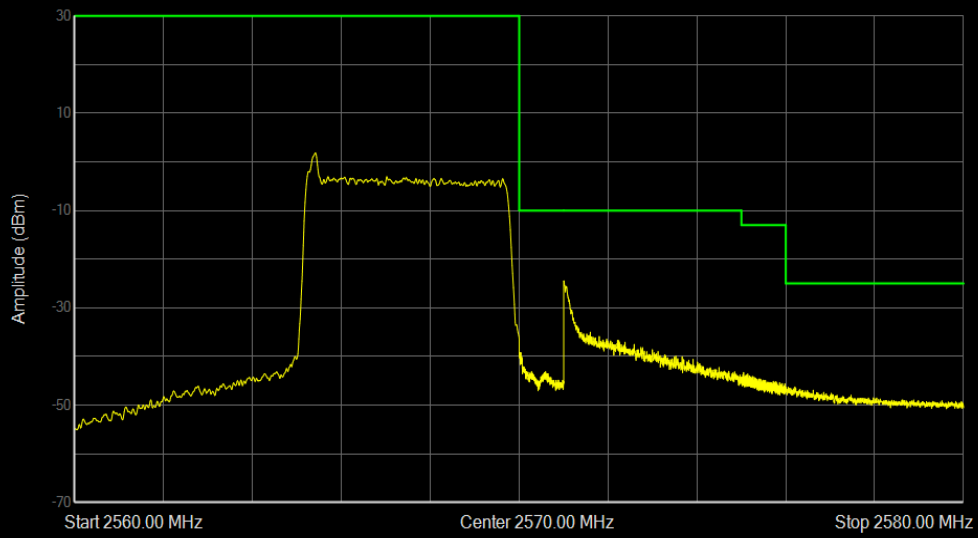
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.302	-55.62	-10
3	2571	2575	1000	2571.028	-46.04	-10
4	2575	2576	1000	2575.081	-48.65	-13
5	2576	2580	1000	2578.26	-49.11	-25

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	2570.007	-29.99	-10
3	2571	2575	1000	2571.016	-12.46	-10
4	2575	2576	1000	2575.053	-48.68	-13
5	2576	2580	1000	2576.02	-49.04	-25

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

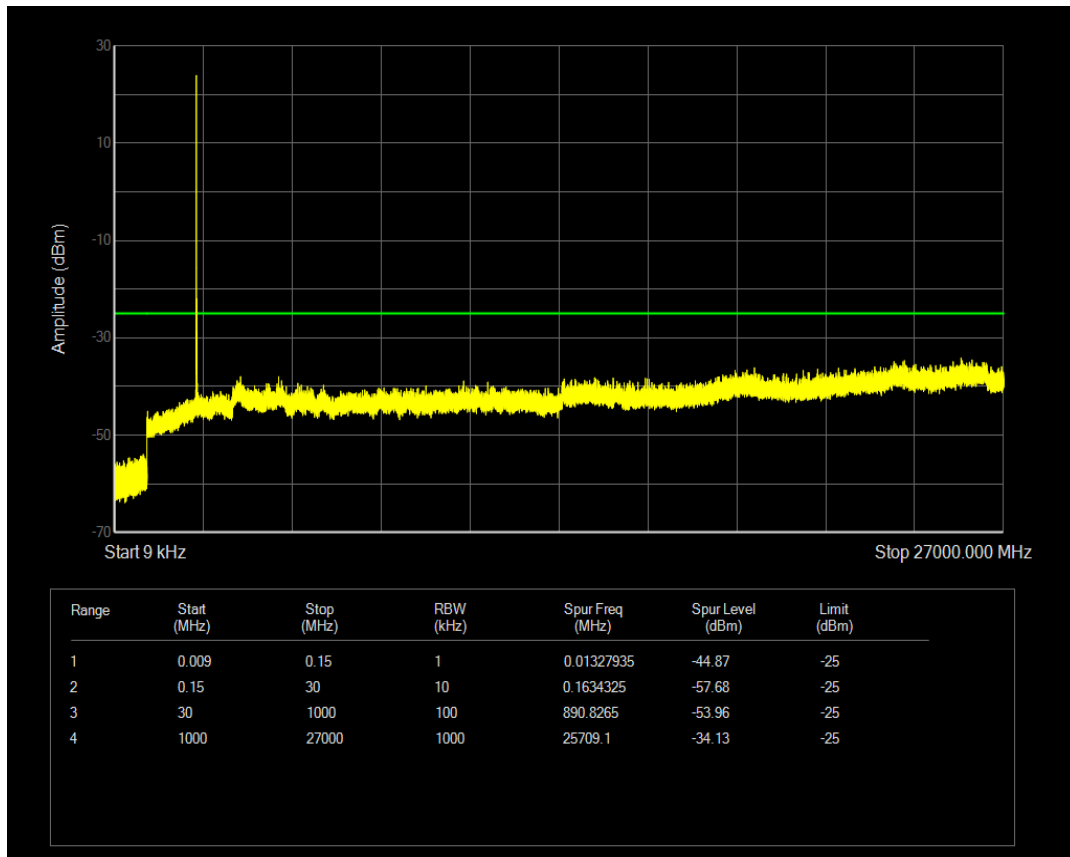


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.02	-39.23	-10
3	2571	2575	1000	2571.004	-24.47	-10
4	2575	2576	1000	2575.049	-43.29	-13
5	2576	2580	1000	2576.204	-46.27	-25

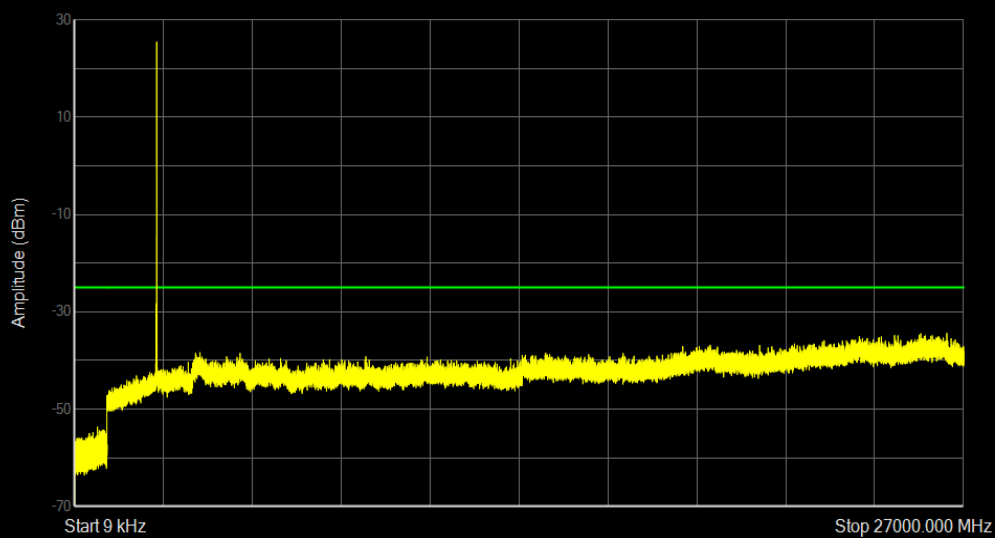
6 Out-of-band emissions for NR FR1

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	23972.30	-33.92	-25	PASS
n7	15	5	500500	1@0	CP_QPSK	25700.00	-34.58	-25	PASS
n7	15	5	500500	1@24	CP_QPSK	26039.30	-34.34	-25	PASS
n7	15	5	513500	25@0	CP_QPSK	26290.85	-34.15	-25	PASS
n7	15	5	513500	1@0	CP_QPSK	23703.85	-34.23	-25	PASS
n7	15	5	513500	1@24	CP_QPSK	26049.05	-33.83	-25	PASS
n7	15	15	501500	79@0	CP_QPSK	26125.75	-34.21	-25	PASS
n7	15	15	501500	1@0	CP_QPSK	25709.10	-34.13	-25	PASS
n7	15	15	501500	1@78	CP_QPSK	26493.00	-34.41	-25	PASS
n7	15	15	512500	79@0	CP_QPSK	23720.75	-34.51	-25	PASS
n7	15	15	512500	1@0	CP_QPSK	26290.85	-34.04	-25	PASS
n7	15	15	512500	1@78	CP_QPSK	26113.40	-32.90	-25	PASS
n7	15	20	502000	106@0	CP_QPSK	23677.20	-34.66	-25	PASS
n7	15	20	502000	1@0	CP_QPSK	26000.30	-34.08	-25	PASS
n7	15	20	502000	1@105	CP_QPSK	25619.40	-33.91	-25	PASS
n7	15	20	512000	106@0	CP_QPSK	26376.65	-33.84	-25	PASS
n7	15	20	512000	1@0	CP_QPSK	25620.70	-34.28	-25	PASS
n7	15	20	512000	1@105	CP_QPSK	5138.55	-31.35	-25	PASS

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

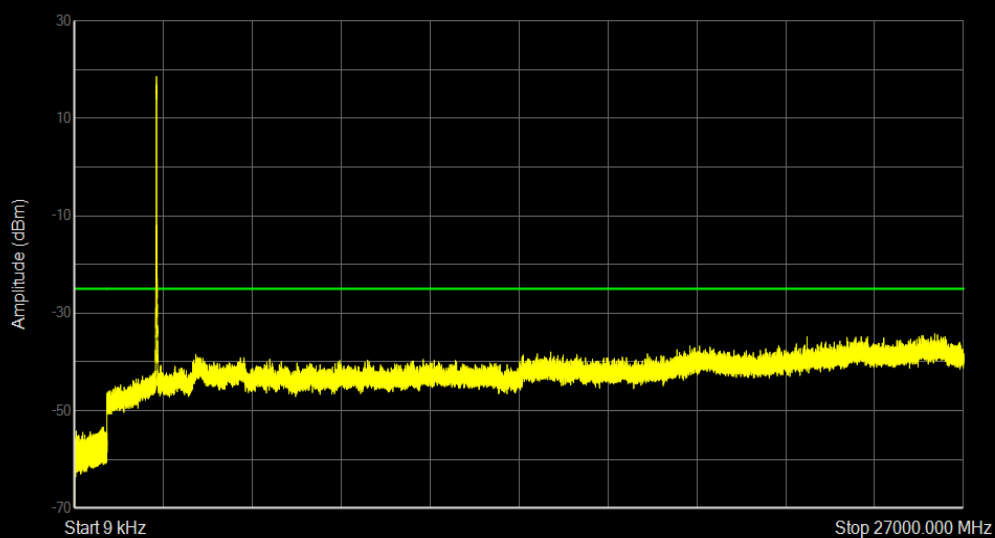


n7 SCS=15kHz CP_QPSK BW=15MHz Channel=501500 RB=1@78

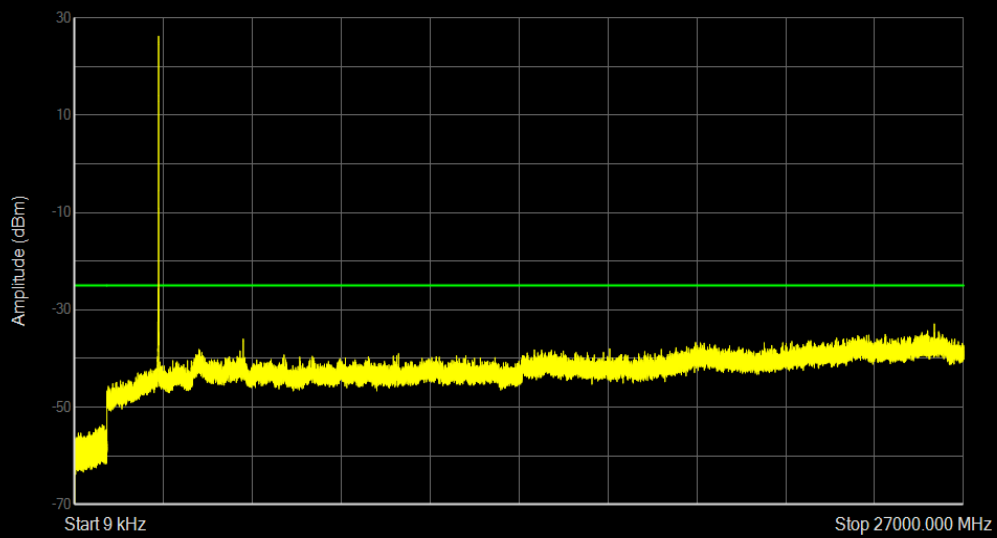


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01089645	-45.86	-25
2	0.15	30	10	0.15671625	-54.86	-25
3	30	1000	100	716.63875	-53.68	-25
4	1000	27000	1000	26493	-34.41	-25

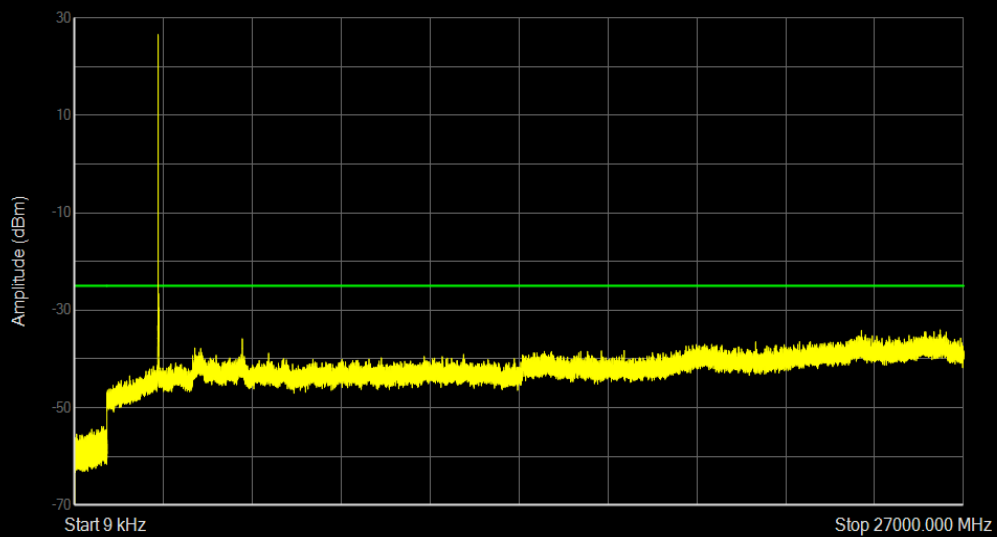
n7 SCS=15kHz CP_QPSK BW=15MHz Channel=501500 RB=79@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014213475	-45.32	-25
2	0.15	30	10	0.17910375	-54.97	-25
3	30	1000	100	893.85775	-53.41	-25
4	1000	27000	1000	26125.75	-34.21	-25

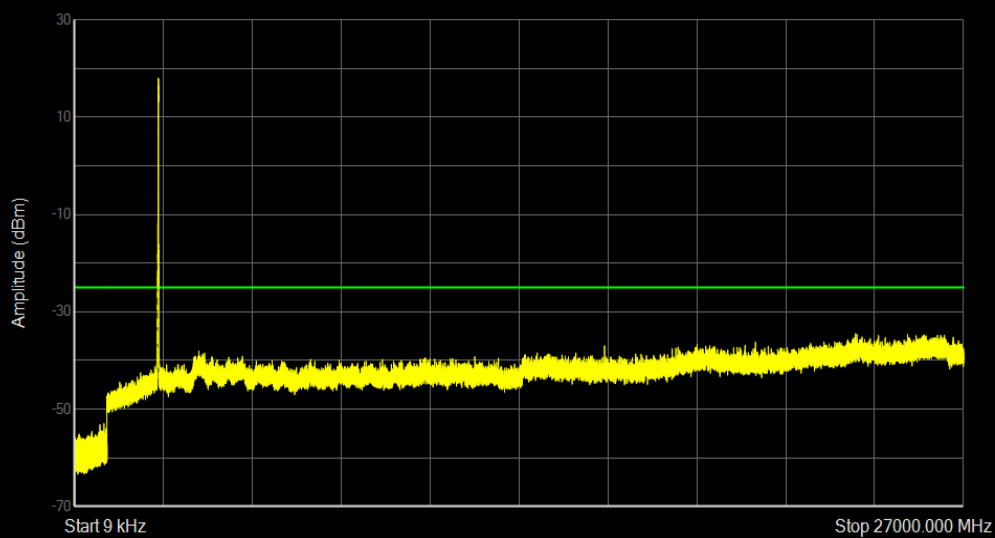
n7 SCS=15kHz CP_QPSK BW=15MHz Channel=512500 RB=1@78

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01406895	-44.65	-25
2	0.15	30	10	0.15	-55.05	-25
3	30	1000	100	864.07875	-53.62	-25
4	1000	27000	1000	26113.4	-32.9	-25

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

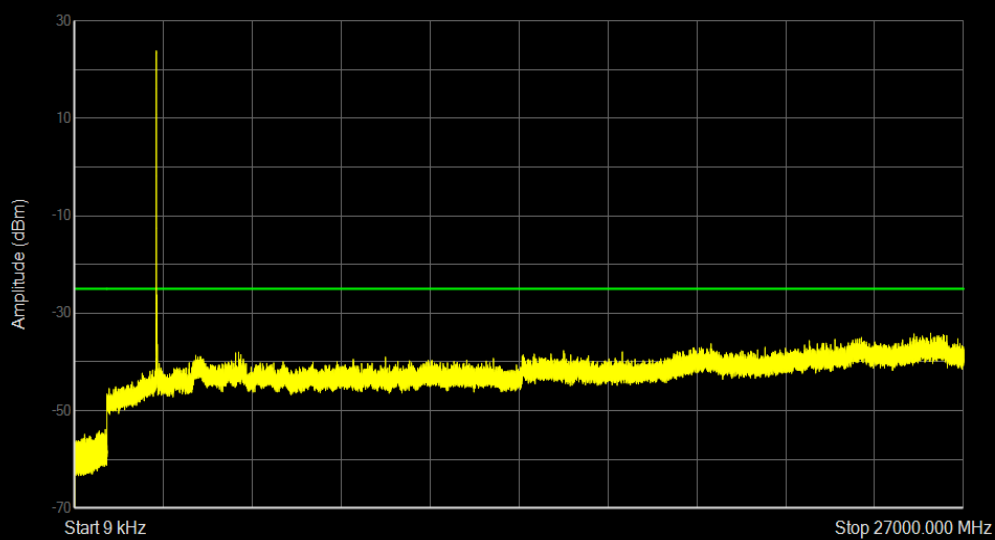
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011478075	-43.72	-25
2	0.15	30	10	0.15	-54.84	-25
3	30	1000	100	848.12225	-53.91	-25
4	1000	27000	1000	26290.85	-34.04	-25

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



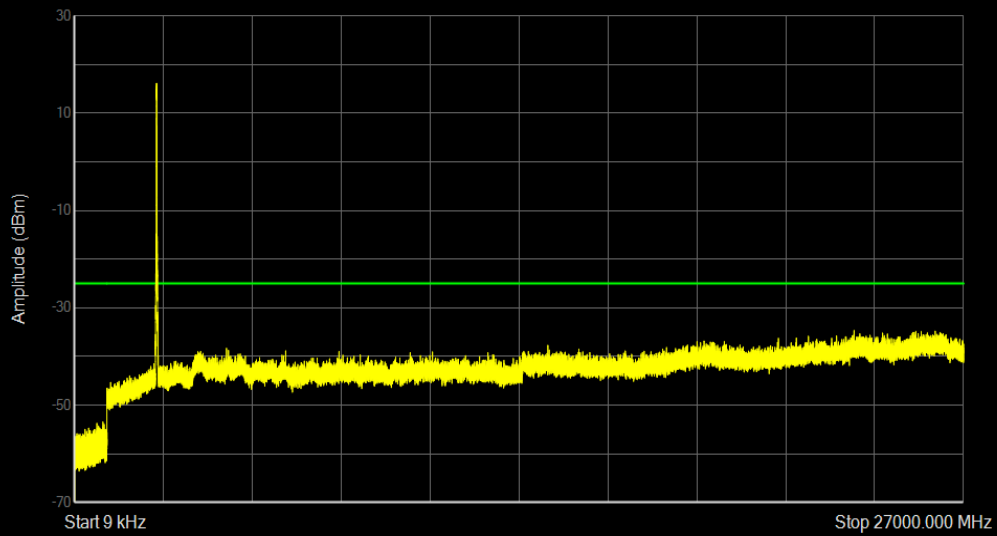
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01076955	-44.24	-25
2	0.15	30	10	0.15373125	-56.05	-25
3	30	1000	100	912.894	-53	-25
4	1000	27000	1000	23720.75	-34.51	-25

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



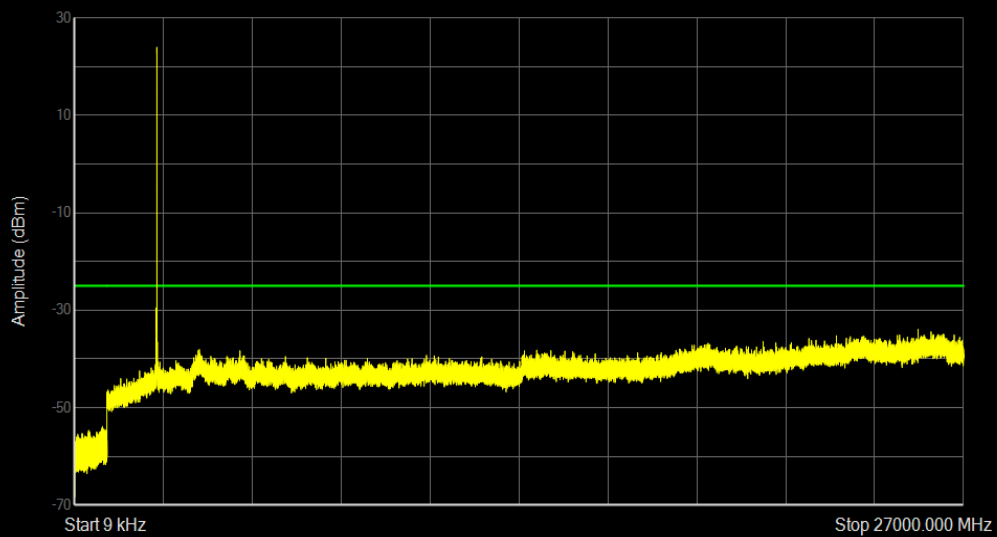
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009186825	-45.43	-25
2	0.15	30	10	0.17164125	-56.25	-25
3	30	1000	100	953.246	-53.87	-25
4	1000	27000	1000	26000.3	-34.08	-25

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



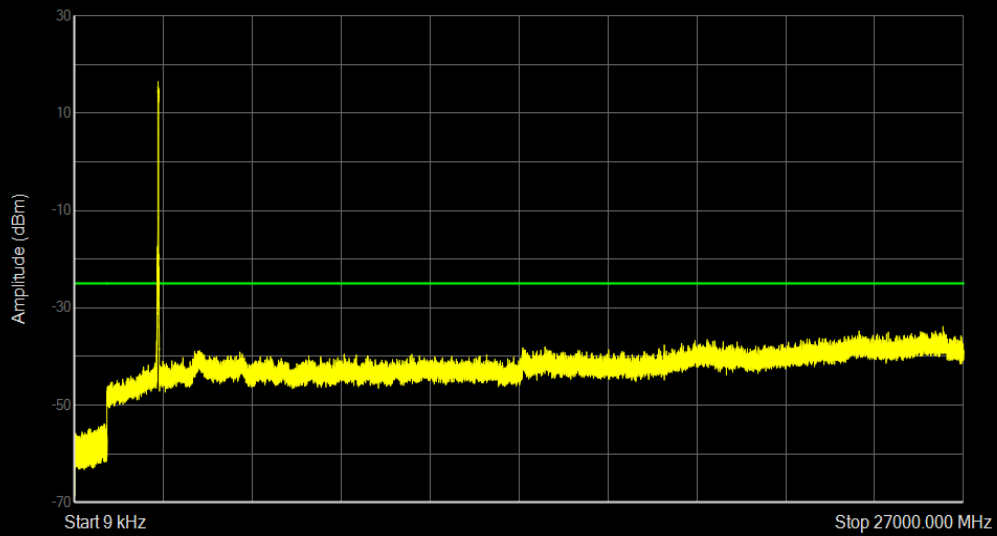
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013071375	-45.65	-25
2	0.15	30	10	0.1783575	-54.61	-25
3	30	1000	100	881.078	-53.49	-25
4	1000	27000	1000	23677.2	-34.66	-25

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



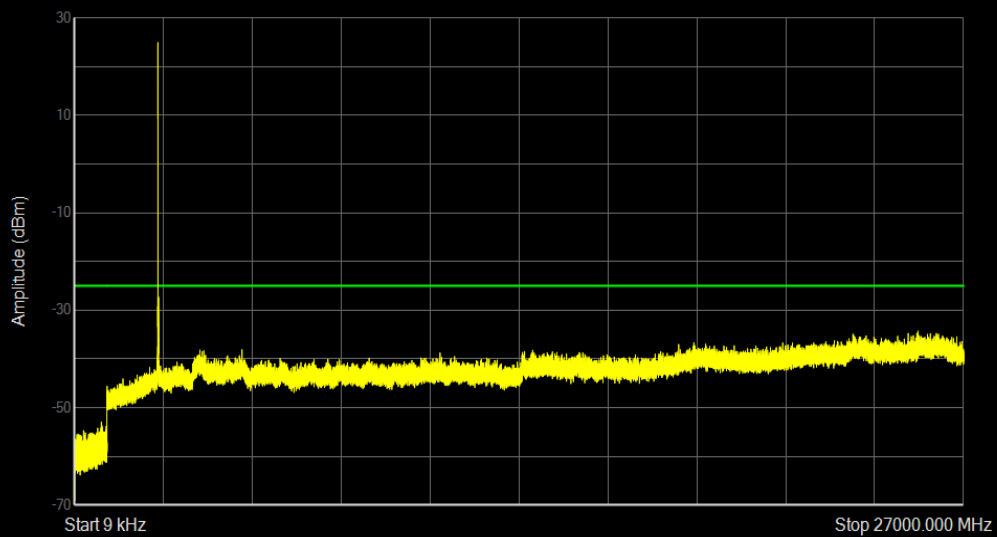
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011379375	-45.77	-25
2	0.15	30	10	0.15	-53.84	-25
3	30	1000	100	868.15275	-53.95	-25
4	1000	27000	1000	25619.4	-33.91	-25

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



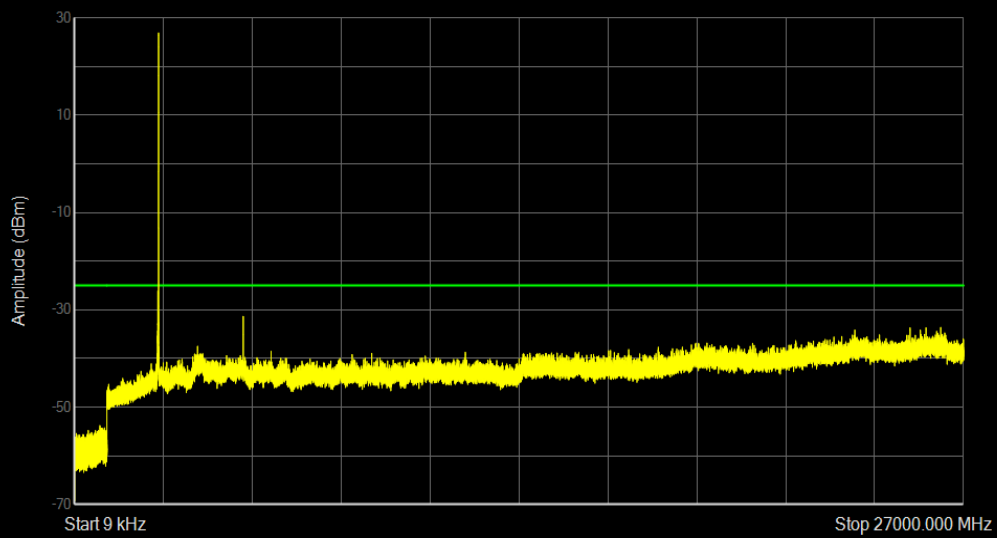
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0118905	-44.57	-25
2	0.15	30	10	0.15522375	-56.21	-25
3	30	1000	100	930.71775	-53.91	-25
4	1000	27000	1000	26376.65	-33.84	-25

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



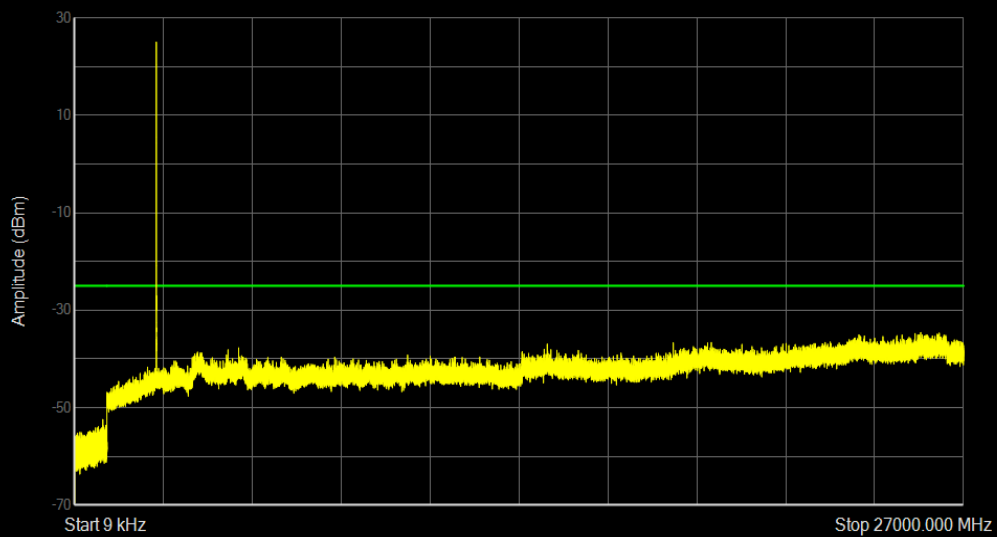
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01481625	-45.82	-25
2	0.15	30	10	0.15597	-55.44	-25
3	30	1000	100	836.5065	-52.99	-25
4	1000	27000	1000	25620.7	-34.28	-25

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

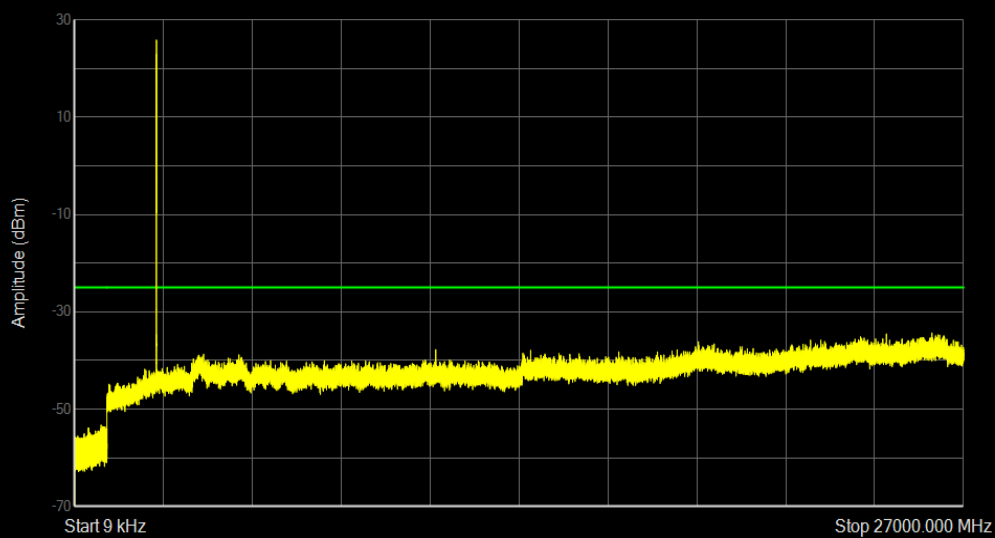


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0097332	-45.08	-25
2	0.15	30	10	0.1723875	-53.21	-25
3	30	1000	100	789.09775	-53.78	-25
4	1000	27000	1000	5138.55	-31.35	-25

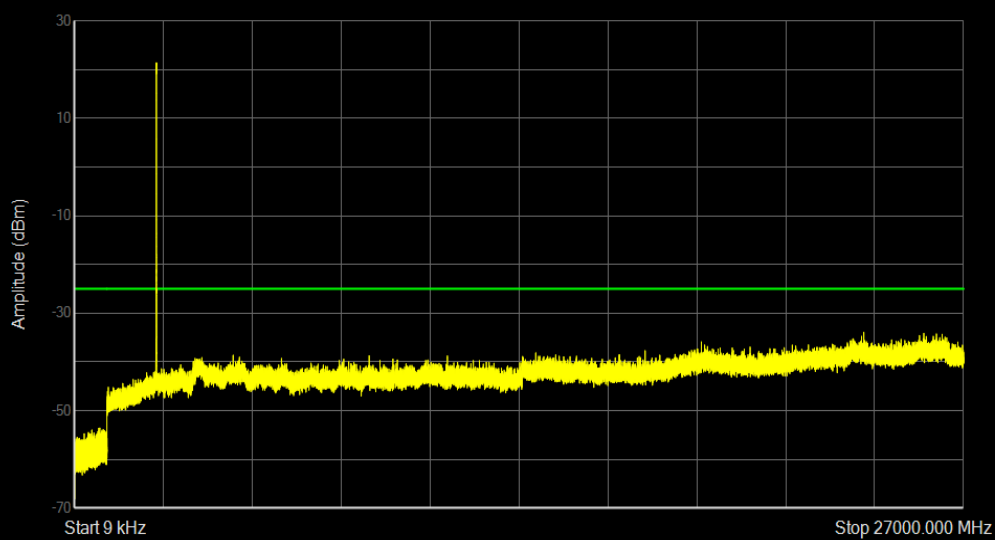
n7 SCS=15kHz CP_QPSK BW=5MHz Channel=500500 RB=1@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.012641325	-45	-25
2	0.15	30	10	0.1514925	-54.79	-25
3	30	1000	100	879.6715	-52.45	-25
4	1000	27000	1000	25700	-34.58	-25

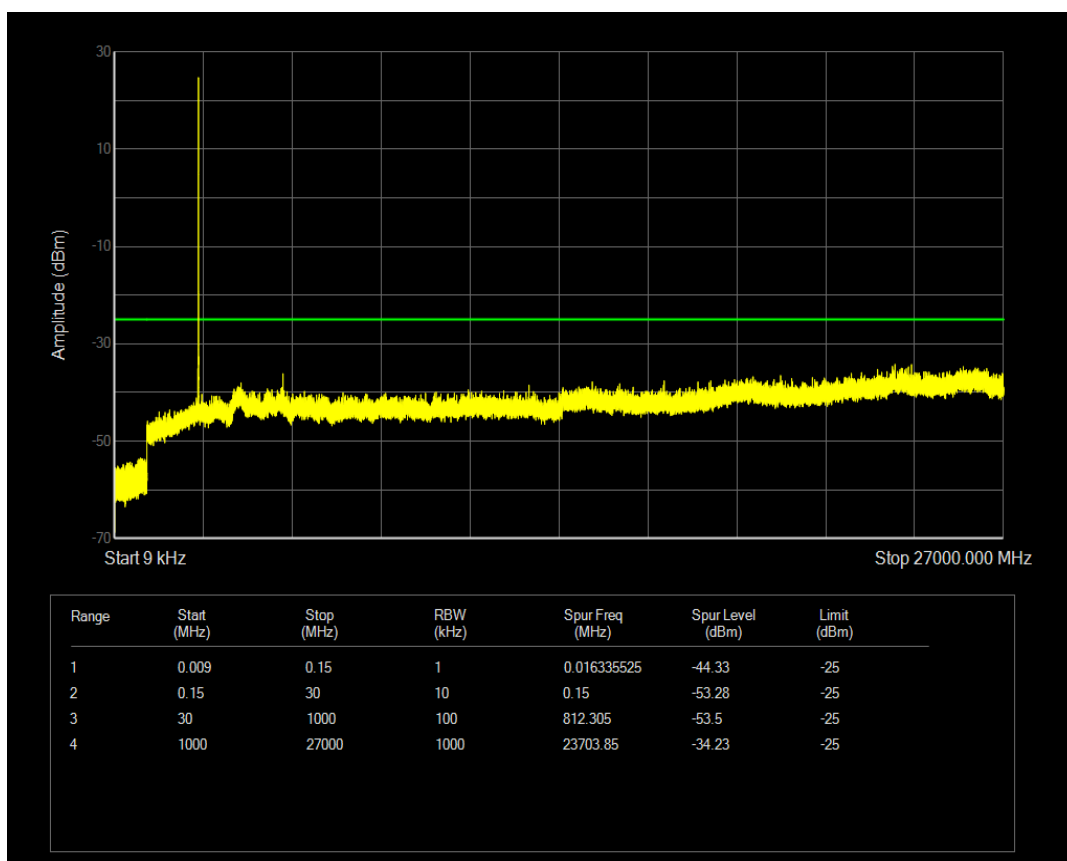
n7 SCS=15kHz CP_QPSK BW=5MHz Channel=500500 RB=1@24

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01212315	-45.61	-25
2	0.15	30	10	0.15522375	-55.72	-25
3	30	1000	100	826.37	-53.29	-25
4	1000	27000	1000	26039.3	-34.34	-25

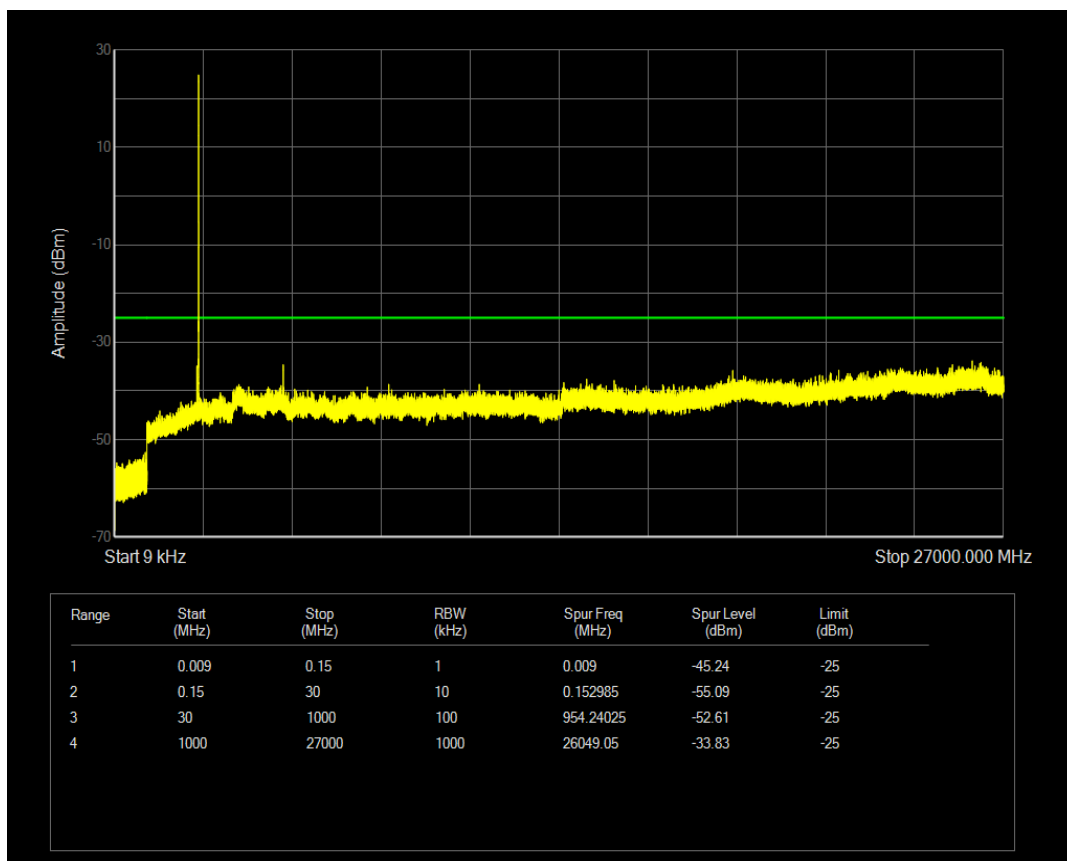
n7 SCS=15kHz CP_QPSK BW=5MHz Channel=500500 RB=25@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01339215	-44.86	-25
2	0.15	30	10	0.1604475	-55.05	-25
3	30	1000	100	787.93375	-53.58	-25
4	1000	27000	1000	23972.3	-33.92	-25

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



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



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

