



n7 SCS=15kHz DFT_QAM16 BW=5MHz Channel=507000 RB=25@0



n7 SCS=15kHz DFT_QAM256 BW=10MHz Channel=507000 RB=50@0



n7 SCS=15kHz DFT_QAM256 BW=15MHz Channel=507000 RB=75@0



n7 SCS=15kHz DFT_QAM256 BW=20MHz Channel=507000 RB=100@0



n7 SCS=15kHz DFT_QAM256 BW=5MHz Channel=507000 RB=25@0



n7 SCS=15kHz DFT_QAM64 BW=10MHz Channel=507000 RB=50@0



n7 SCS=15kHz DFT_QAM64 BW=15MHz Channel=507000 RB=75@0



n7 SCS=15kHz DFT_QAM64 BW=20MHz Channel=507000 RB=100@0



n7 SCS=15kHz DFT_QAM64 BW=5MHz Channel=507000 RB=25@0



n7 SCS=15kHz DFT_QPSK BW=10MHz Channel=507000 RB=50@0



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



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



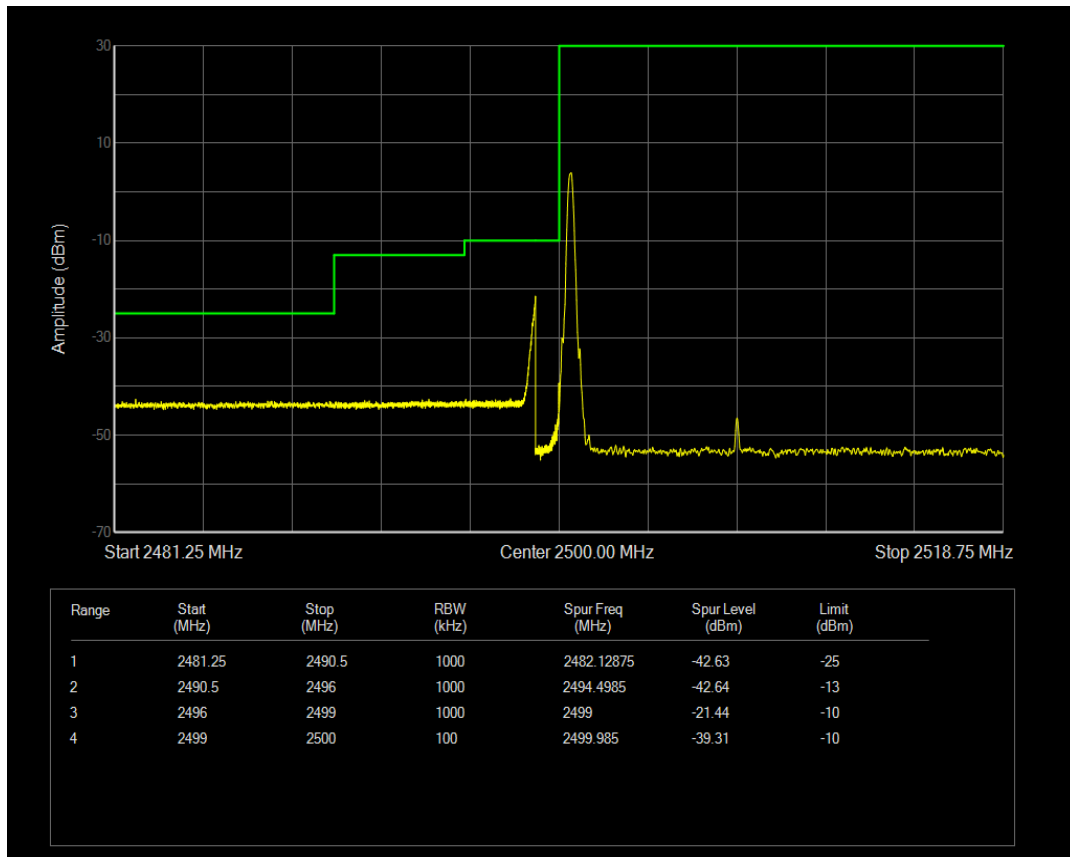
n7 SCS=15kHz DFT_QPSK BW=5MHz Channel=507000 RB=25@0



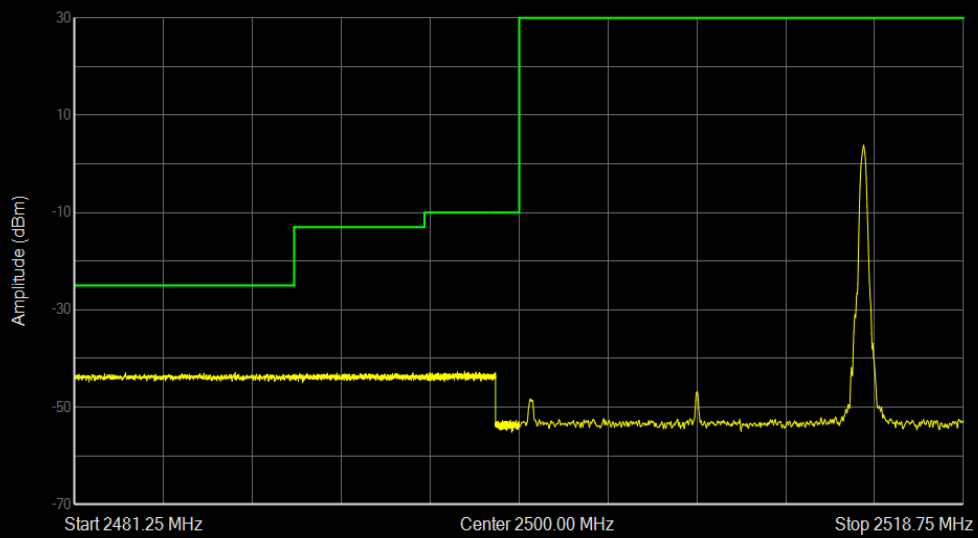
5 Band edge for EN-DC

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	2493.58	-42.55	-25	PASS
n7	15	5	500500	1@0	CP_QPSK	2499.00	-16.67	-10	PASS
n7	15	5	500500	1@24	CP_QPSK	2493.26	-42.85	-25	PASS
n7	15	5	513500	25@0	CP_QPSK	2577.28	-42.65	-25	PASS
n7	15	5	513500	1@0	CP_QPSK	2579.08	-42.81	-25	PASS
n7	15	5	513500	1@24	CP_QPSK	2571.02	-18.98	-10	PASS
n7	15	15	501500	79@0	CP_QPSK	2490.31	-41.10	-25	PASS
n7	15	15	501500	1@0	CP_QPSK	2499.00	-21.44	-10	PASS
n7	15	15	501500	1@78	CP_QPSK	2488.01	-42.93	-25	PASS
n7	15	15	512500	79@0	CP_QPSK	2585.17	-42.41	-25	PASS
n7	15	15	512500	1@0	CP_QPSK	2586.80	-42.71	-25	PASS
n7	15	15	512500	1@78	CP_QPSK	2571.02	-24.22	-10	PASS
n7	15	20	502000	106@0	CP_QPSK	2490.38	-40.75	-25	PASS
n7	15	20	502000	1@0	CP_QPSK	2499.00	-24.62	-10	PASS
n7	15	20	502000	1@105	CP_QPSK	2484.98	-42.67	-25	PASS
n7	15	20	512000	106@0	CP_QPSK	2590.55	-42.77	-25	PASS
n7	15	20	512000	1@0	CP_QPSK	2594.04	-42.92	-25	PASS
n7	15	20	512000	1@105	CP_QPSK	2571.00	-26.63	-10	PASS

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

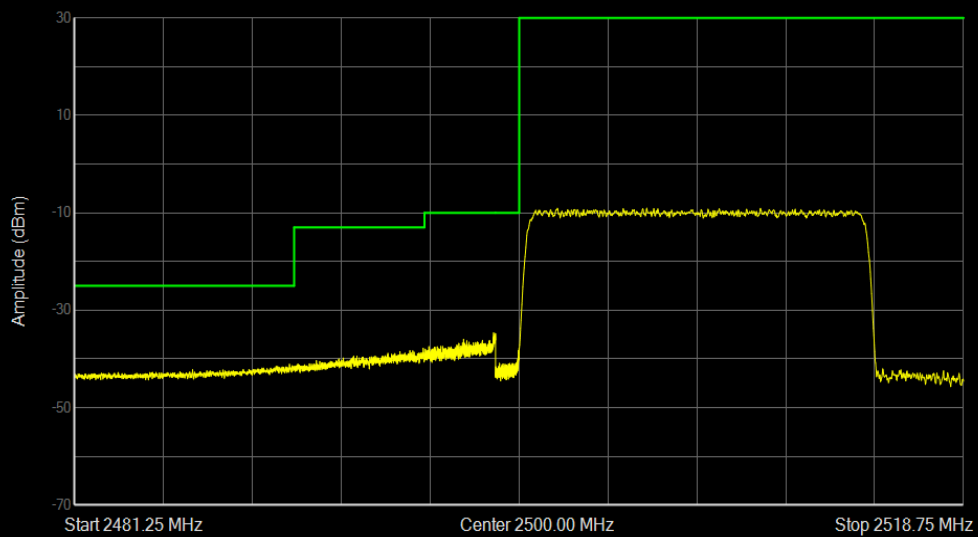


n7 SCS=15kHz CP_QPSK BW=15MHz Channel=501500 RB=1@78



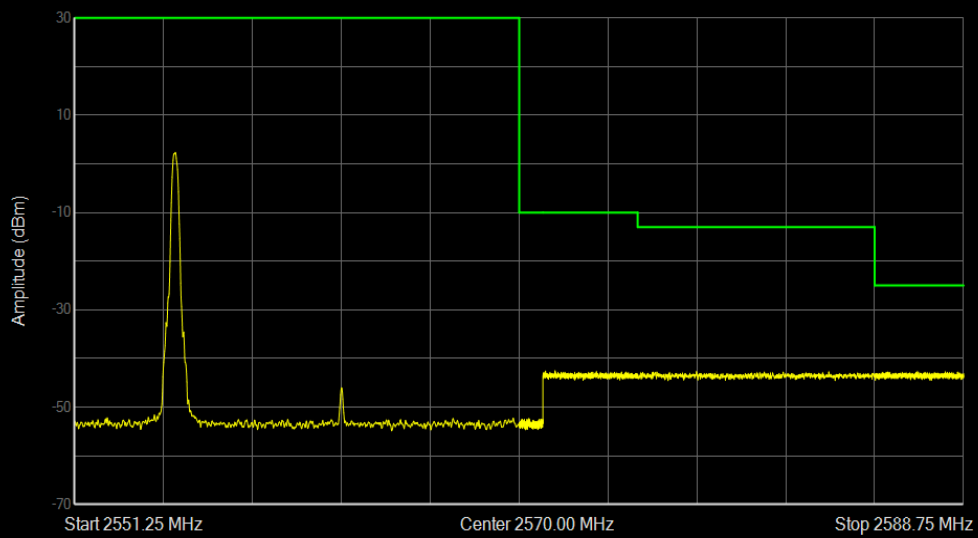
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2481.25	2490.5	1000	2488.01175	-42.93	-25
2	2490.5	2496	1000	2495.516	-42.98	-13
3	2496	2499	1000	2497.692	-42.67	-10
4	2499	2500	100	2499.874	-52.74	-10

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



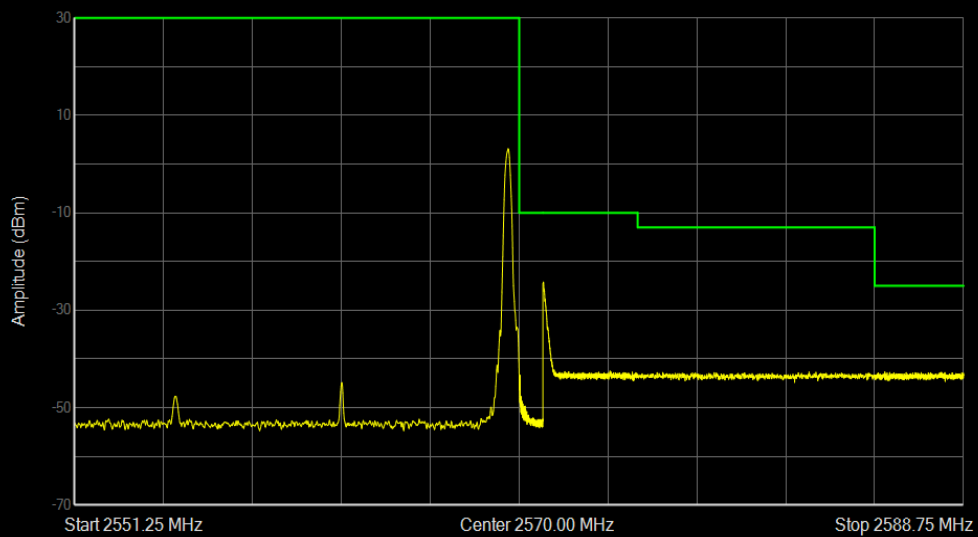
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2481.25	2490.5	1000	2490.30575	-41.1	-25
2	2490.5	2496	1000	2495.945	-37.8	-13
3	2496	2499	1000	2498.919	-34.65	-10
4	2499	2500	300	2499.993	-37.82	-10

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



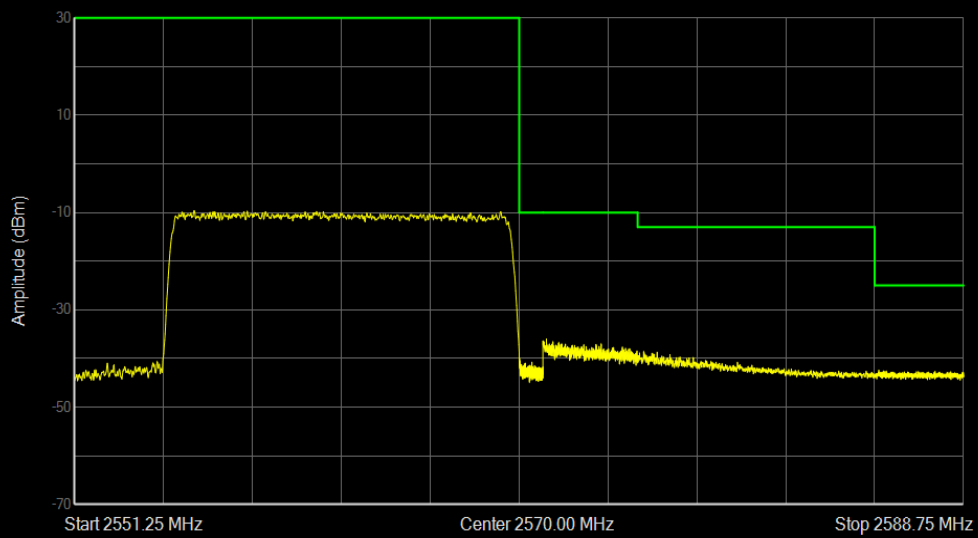
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.412	-52.38	-10
3	2571	2575	1000	2571.512	-42.53	-10
4	2575	2585	1000	2577.48	-42.69	-13
5	2585	2588.75	1000	2586.80375	-42.71	-25

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



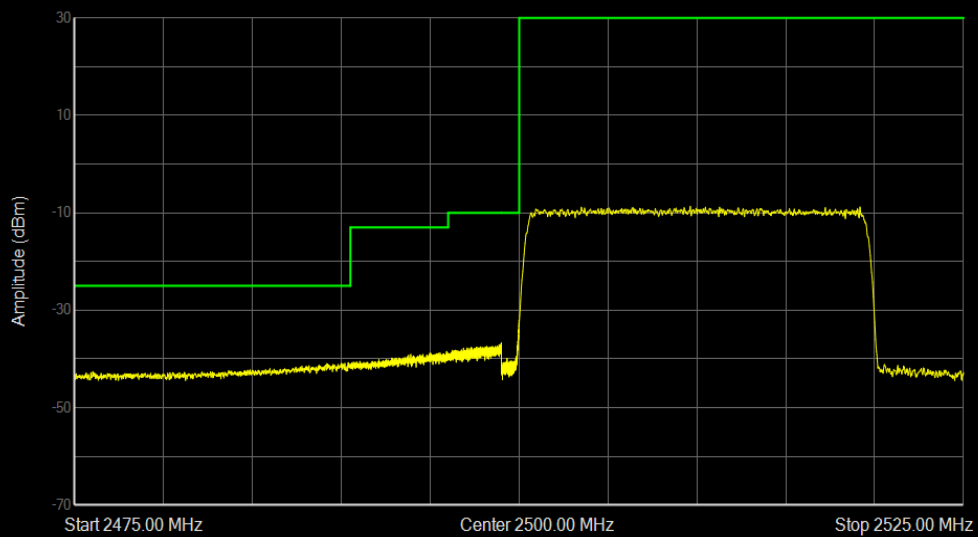
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.036	-43.34	-10
3	2571	2575	1000	2571.02	-24.22	-10
4	2575	2585	1000	2582.23	-42.69	-13
5	2585	2588.75	1000	2585.4275	-42.66	-25

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	2570.008	-39.89	-10
3	2571	2575	1000	2571.148	-36	-10
4	2575	2585	1000	2575.25	-38.57	-13
5	2585	2588.75	1000	2585.1725	-42.41	-25

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



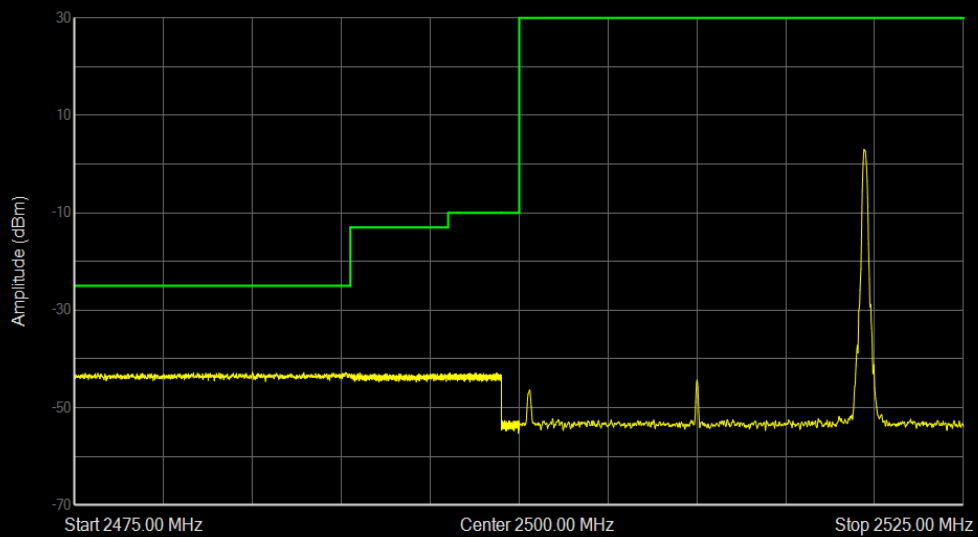
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490.5	1000	2490.376	-40.75	-25
2	2490.5	2496	1000	2495.9175	-38.44	-13
3	2496	2499	1000	2499	-36.7	-10
4	2499	2500	430	2499.999	-32.04	-10

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	2487.6635	-42.72	-25
2	2490.5	2496	1000	2495.0485	-42.96	-13
3	2496	2499	1000	2499	-24.62	-10
4	2499	2500	100	2500	-43.7	-10

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



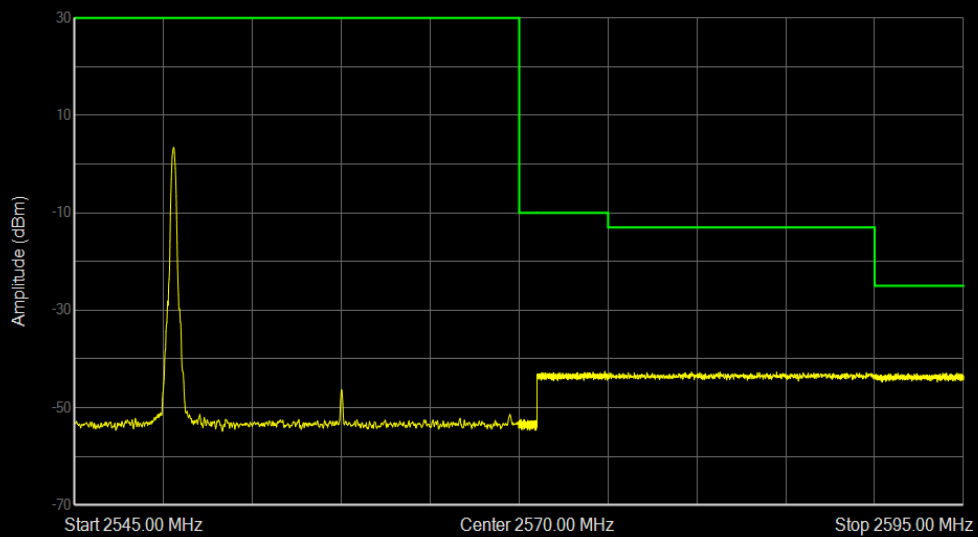
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490.5	1000	2484.982	-42.67	-25
2	2490.5	2496	1000	2491.028	-42.86	-13
3	2496	2499	1000	2496.111	-42.88	-10
4	2499	2500	100	2499.186	-52.65	-10

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



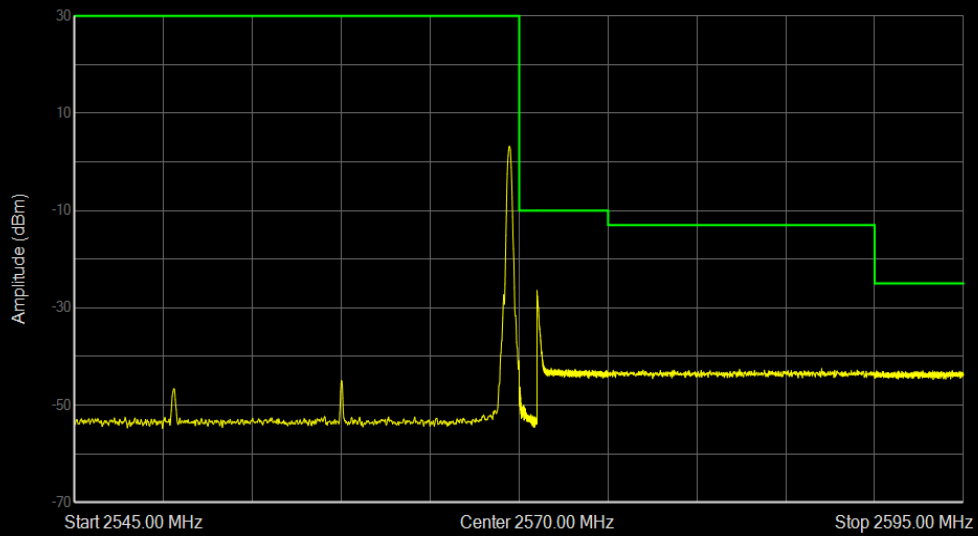
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	430	2570.001	-34.2	-10
3	2571	2575	1000	2571.028	-37.73	-10
4	2575	2590	1000	2575.12	-39.54	-13
5	2590	2595	1000	2590.55	-42.77	-25

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



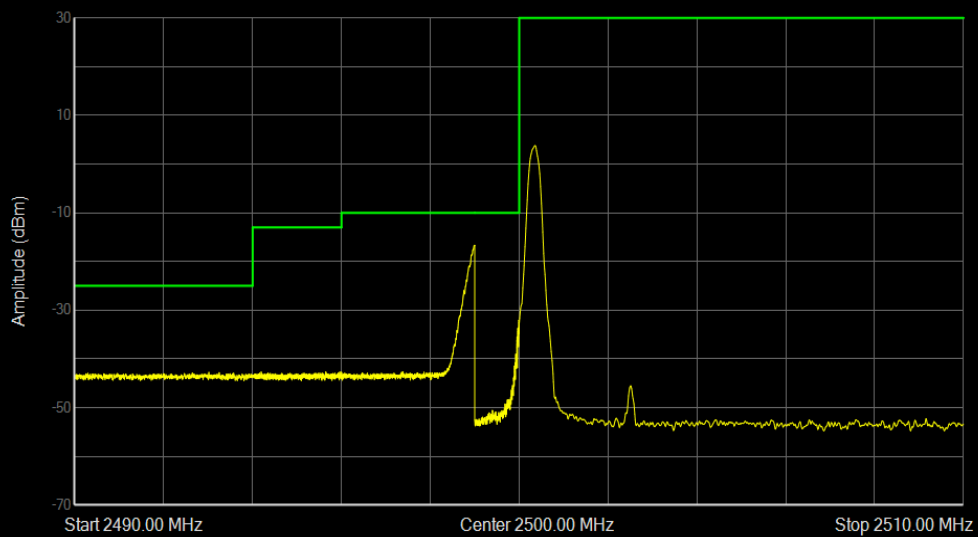
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.09	-52.4	-10
3	2571	2575	1000	2574.812	-42.54	-10
4	2575	2590	1000	2584.48	-42.69	-13
5	2590	2595	1000	2594.04	-42.92	-25

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



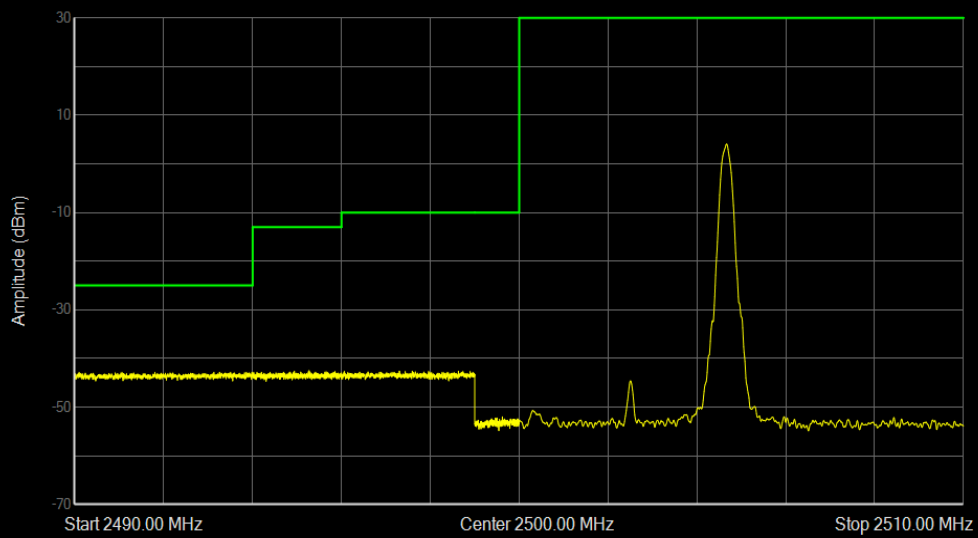
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.034	-46.33	-10
3	2571	2575	1000	2571.004	-26.63	-10
4	2575	2590	1000	2587.015	-42.48	-13
5	2590	2595	1000	2594.365	-42.91	-25

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



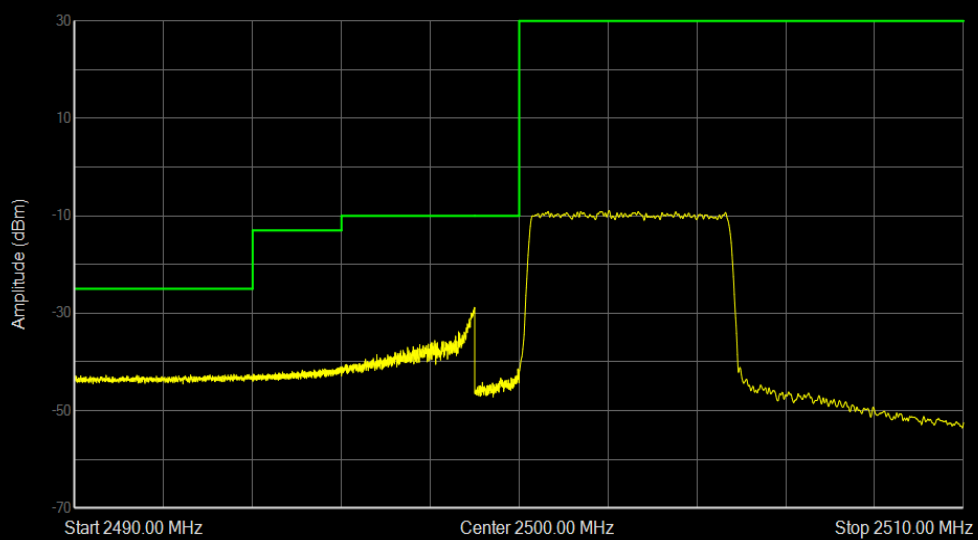
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2490	2494	1000	2493.016	-42.74	-25
2	2494	2496	1000	2495.646	-42.65	-13
3	2496	2499	1000	2499	-16.67	-10
4	2499	2500	100	2499.991	-32.05	-10

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



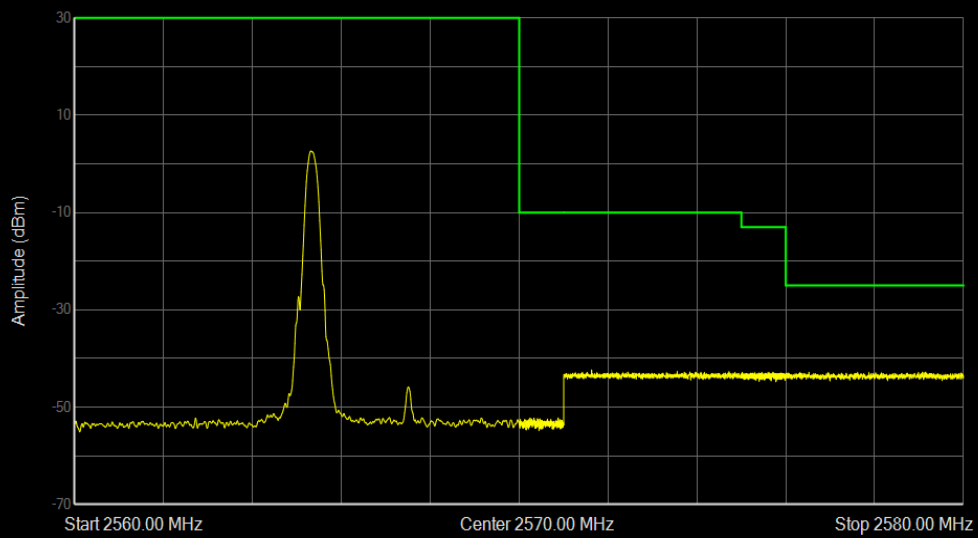
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2490	2494	1000	2493.256	-42.85	-25
2	2494	2496	1000	2495.272	-42.51	-13
3	2496	2499	1000	2497.302	-42.62	-10
4	2499	2500	100	2499.621	-52	-10

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



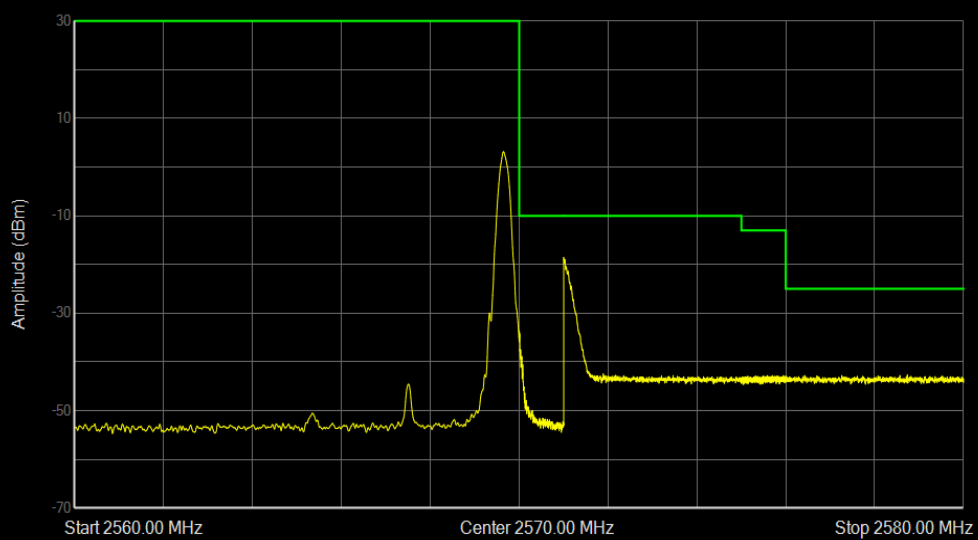
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2490	2494	1000	2493.58	-42.55	-25
2	2494	2496	1000	2495.978	-41.05	-13
3	2496	2499	1000	2498.988	-28.83	-10
4	2499	2500	100	2499.97	-41.42	-10

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



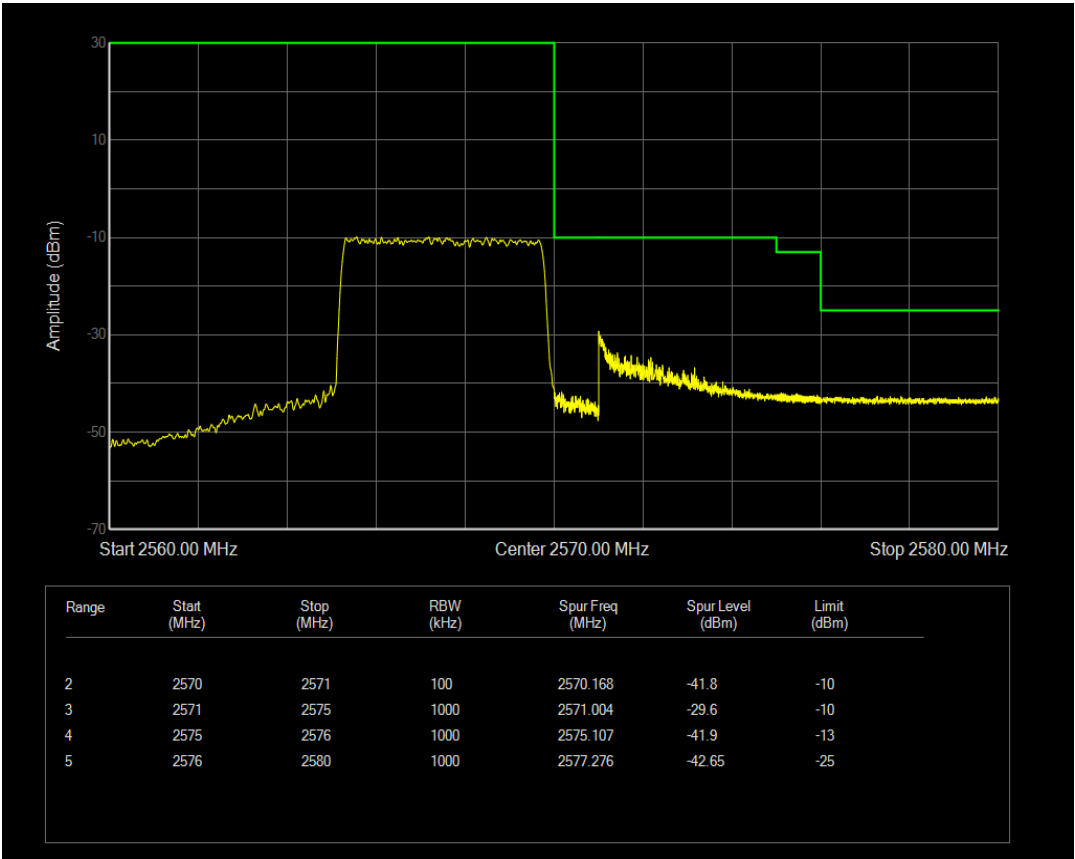
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.874	-52.23	-10
3	2571	2575	1000	2571.628	-42.36	-10
4	2575	2576	1000	2575.714	-42.85	-13
5	2576	2580	1000	2579.076	-42.81	-25

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	2570.001	-33.63	-10
3	2571	2575	1000	2571.024	-18.98	-10
4	2575	2576	1000	2575.587	-42.78	-13
5	2576	2580	1000	2578.736	-42.65	-25

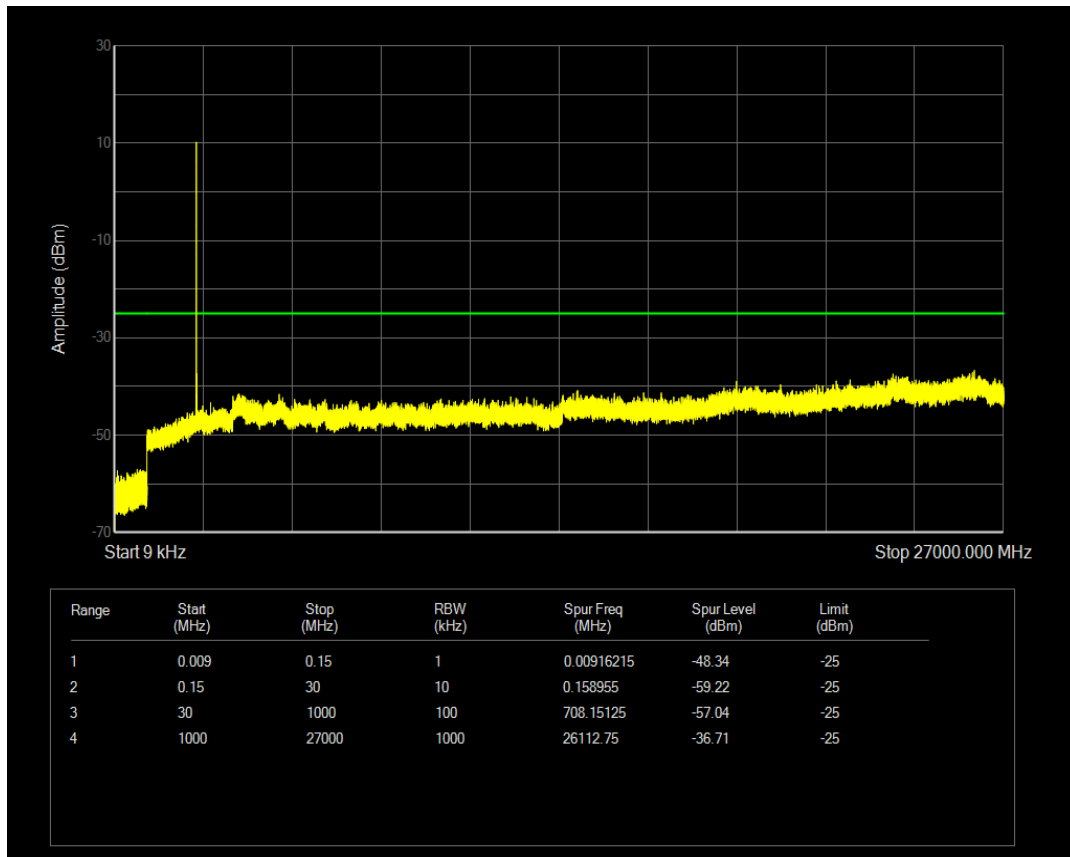
n7 SCS=15kHz CP_QPSK BW=5MHz Channel=513500 RB=25@0



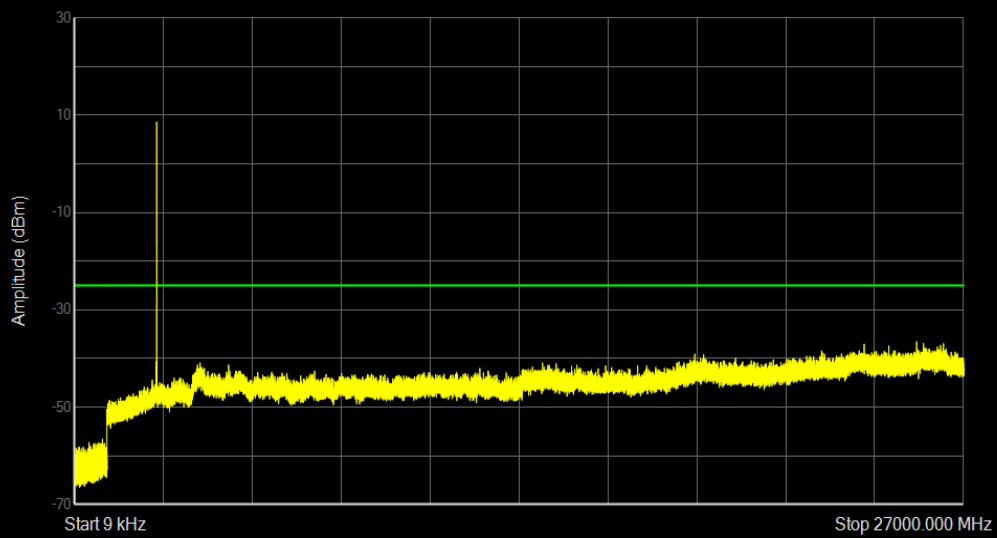
6 Out-of-band emissions for EN-DC

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
n7	15	5	500500	25@0	CP_QPSK	26168.00	-37.14	-25	PASS
n7	15	5	500500	1@0	CP_QPSK	26232.35	-37.19	-25	PASS
n7	15	5	500500	1@24	CP_QPSK	25635.00	-37.03	-25	PASS
n7	15	5	513500	25@0	CP_QPSK	25785.15	-36.94	-25	PASS
n7	15	5	513500	1@0	CP_QPSK	23869.60	-36.77	-25	PASS
n7	15	5	513500	1@24	CP_QPSK	26075.05	-37.15	-25	PASS
n7	15	15	501500	79@0	CP_QPSK	26312.95	-37.68	-25	PASS
n7	15	15	501500	1@0	CP_QPSK	26112.75	-36.71	-25	PASS
n7	15	15	501500	1@78	CP_QPSK	25575.85	-36.55	-25	PASS
n7	15	15	512500	79@0	CP_QPSK	26203.75	-36.66	-25	PASS
n7	15	15	512500	1@0	CP_QPSK	26379.25	-37.04	-25	PASS
n7	15	15	512500	1@78	CP_QPSK	26061.40	-37.14	-25	PASS
n7	15	20	502000	106@0	CP_QPSK	26374.05	-37.27	-25	PASS
n7	15	20	502000	1@0	CP_QPSK	26428.65	-36.53	-25	PASS
n7	15	20	502000	1@105	CP_QPSK	25665.55	-36.84	-25	PASS
n7	15	20	512000	106@0	CP_QPSK	23683.70	-36.81	-25	PASS
n7	15	20	512000	1@0	CP_QPSK	26071.80	-36.10	-25	PASS
n7	15	20	512000	1@105	CP_QPSK	23670.05	-36.57	-25	PASS

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

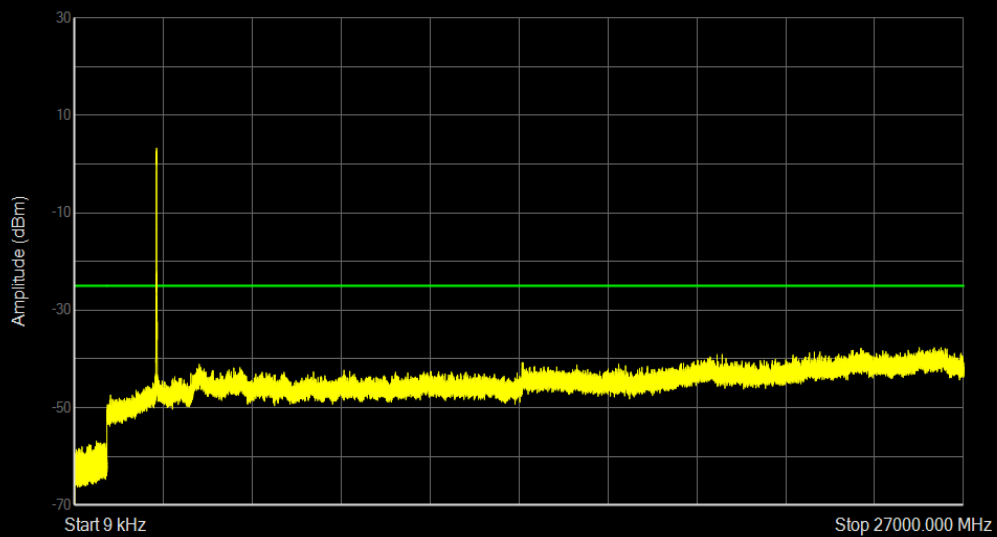


n7 SCS=15kHz CP_QPSK BW=15MHz Channel=501500 RB=1@78

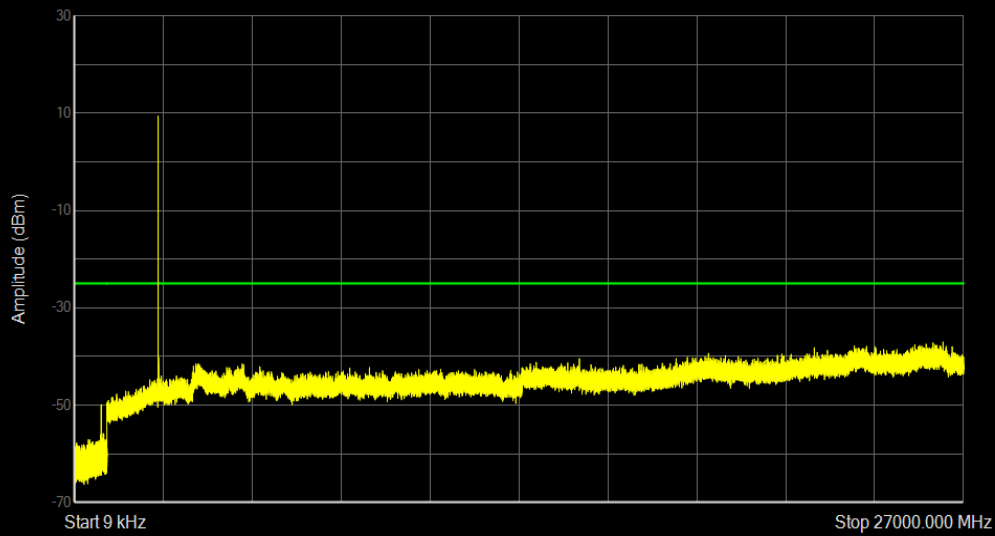


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010039875	-48.15	-25
2	0.15	30	10	0.16865625	-60.32	-25
3	30	1000	100	867.789	-56.56	-25
4	1000	27000	1000	25575.85	-36.55	-25

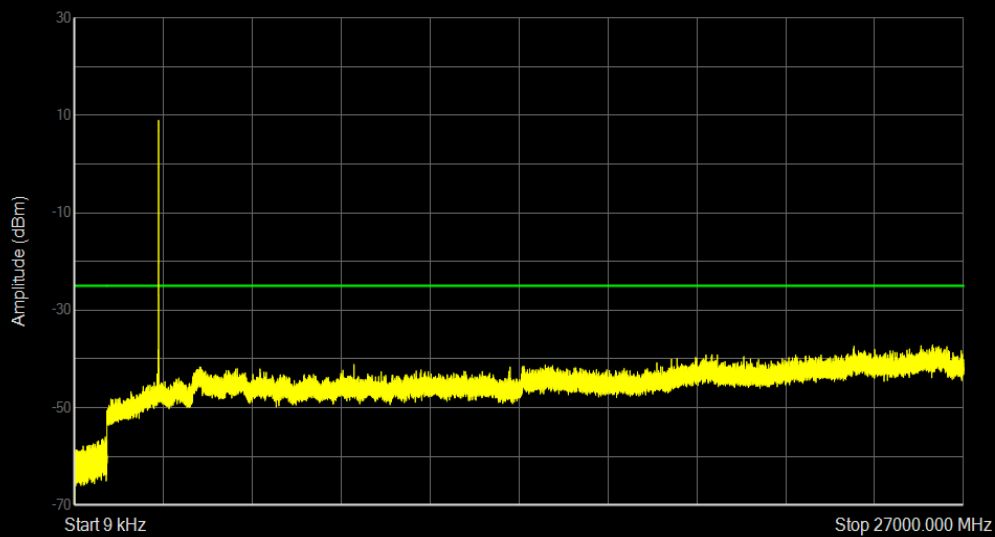
n7 SCS=15kHz CP_QPSK BW=15MHz Channel=501500 RB=79@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010843575	-48.22	-25
2	0.15	30	10	0.15373125	-58.74	-25
3	30	1000	100	684.2165	-56.88	-25
4	1000	27000	1000	26312.95	-37.68	-25

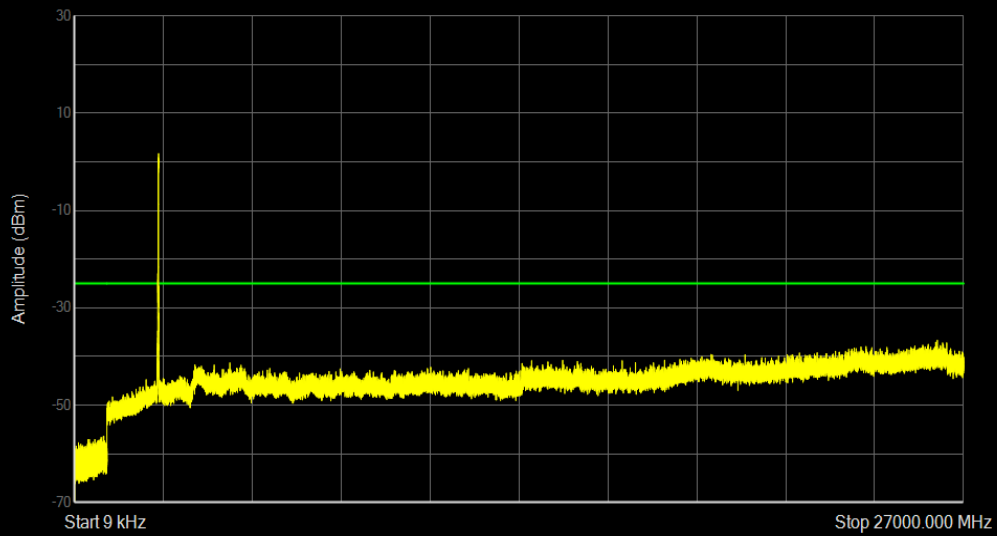
n7 SCS=15kHz CP_QPSK BW=15MHz Channel=512500 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009687375	-48.71	-25
2	0.15	30	10	0.1514925	-59.38	-25
3	30	1000	100	829.20725	-49.92	-25
4	1000	27000	1000	26379.25	-37.04	-25

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

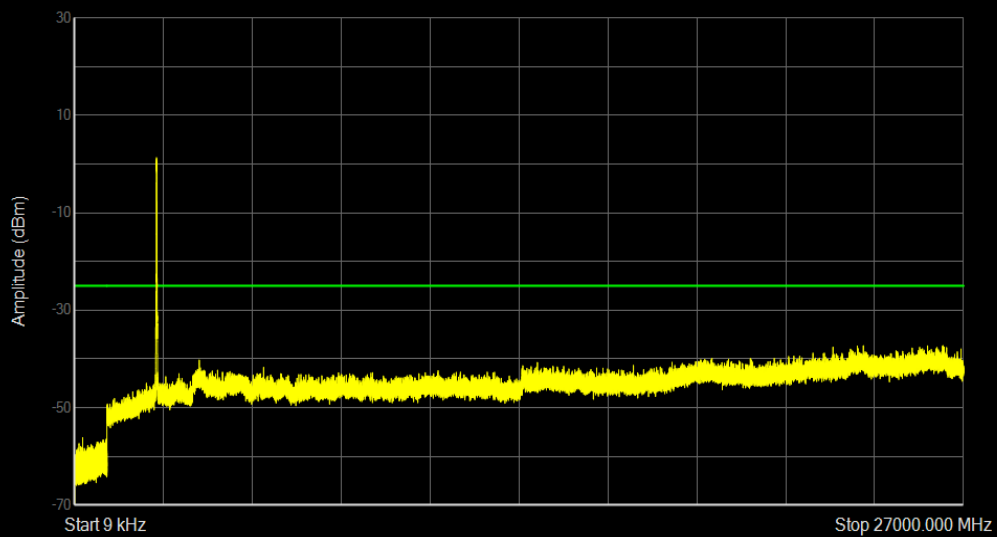
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014016075	-48.43	-25
2	0.15	30	10	0.1544775	-58.58	-25
3	30	1000	100	952.44575	-56.02	-25
4	1000	27000	1000	26061.4	-37.14	-25

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

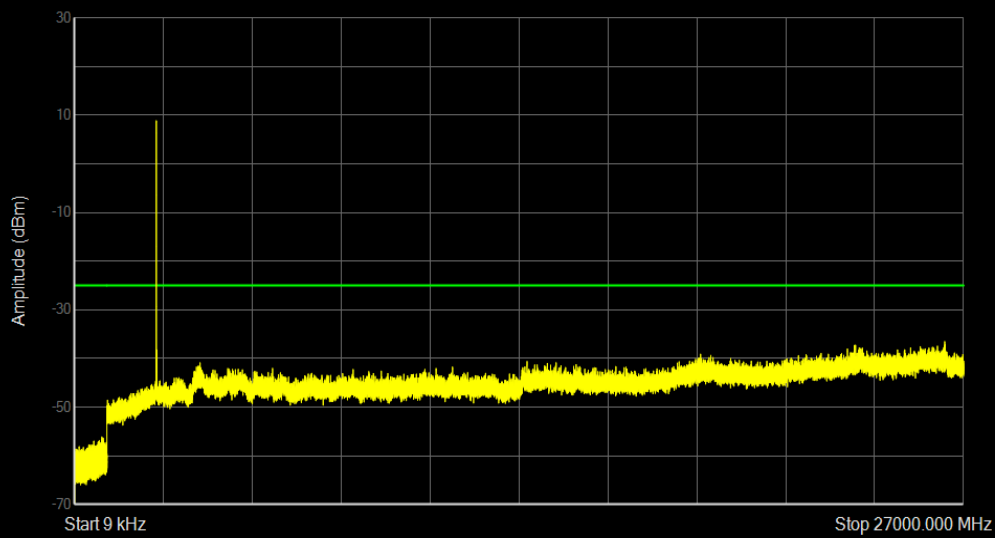


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009158625	-48.32	-25
2	0.15	30	10	0.15820875	-57.01	-25
3	30	1000	100	906.977	-56.39	-25
4	1000	27000	1000	26203.75	-36.66	-25

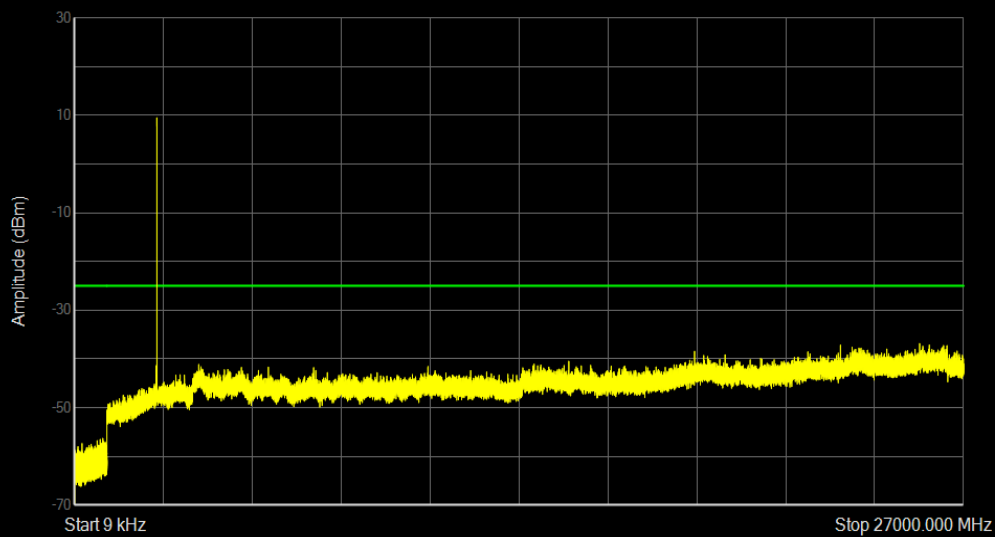
n7 SCS=15kHz CP_QPSK BW=20MHz Channel=502000 RB=106@0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.015059475	-46.92	-25
2	0.15	30	10	0.16119375	-59.46	-25
3	30	1000	100	266.777	-56.14	-25
4	1000	27000	1000	26374.05	-37.27	-25

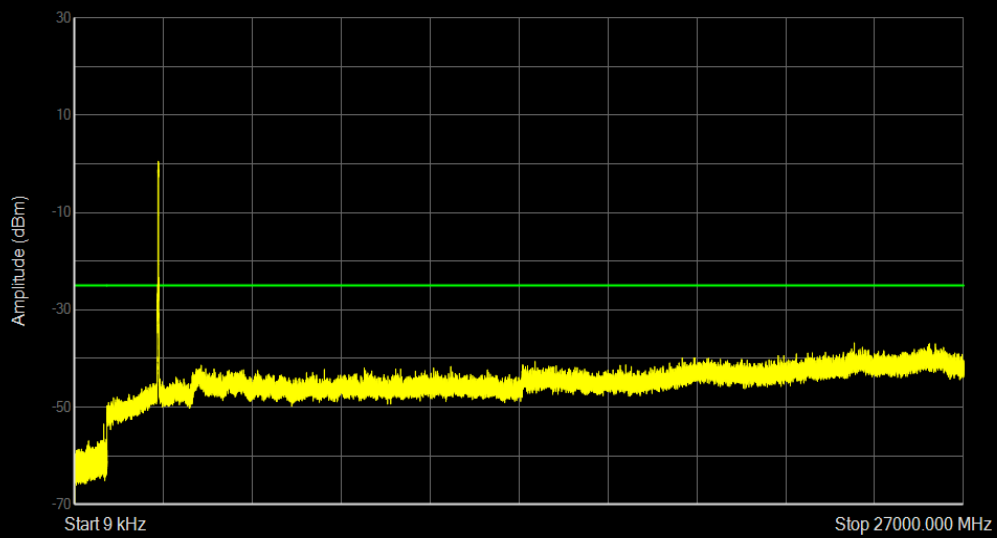
n7 SCS=15kHz CP_QPSK BW=20MHz Channel=502000 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010688475	-48.63	-25
2	0.15	30	10	0.15223875	-58.82	-25
3	30	1000	100	851.56575	-56.12	-25
4	1000	27000	1000	26428.65	-36.53	-25

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

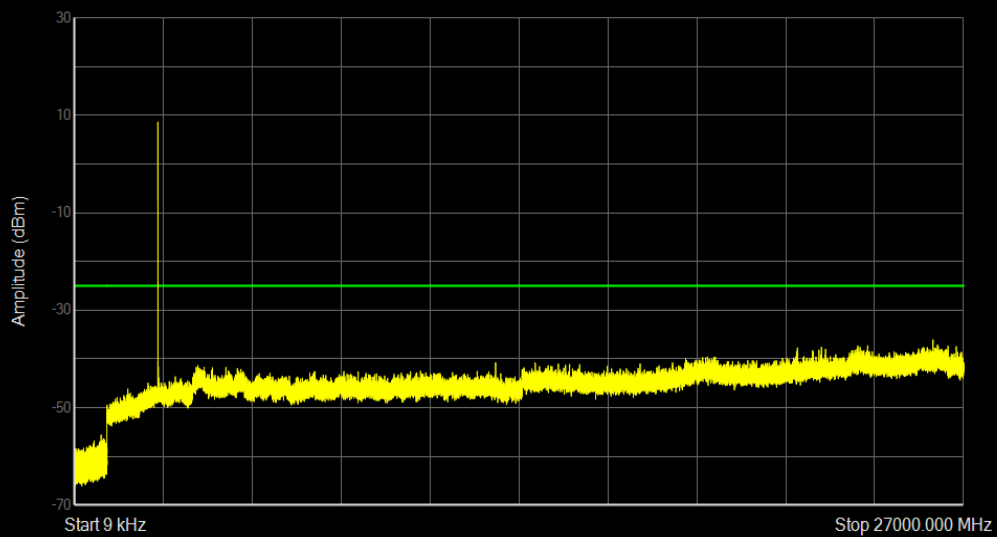
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01047345	-47.5	-25
2	0.15	30	10	0.1753725	-58	-25
3	30	1000	100	876.64025	-56.31	-25
4	1000	27000	1000	25665.55	-36.84	-25

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



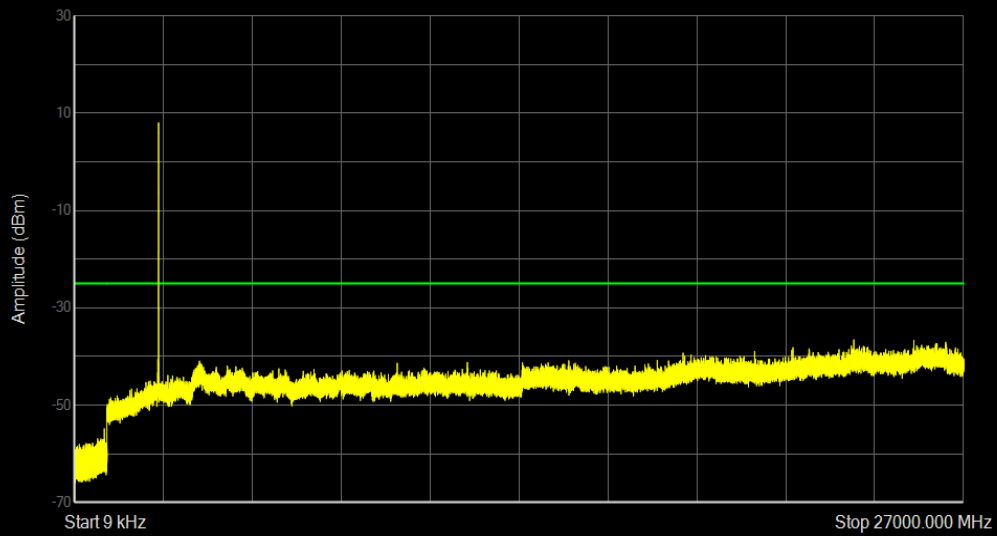
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0118059	-48.14	-25
2	0.15	30	10	0.15597	-59.69	-25
3	30	1000	100	904.52775	-53.49	-25
4	1000	27000	1000	23683.7	-36.81	-25

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



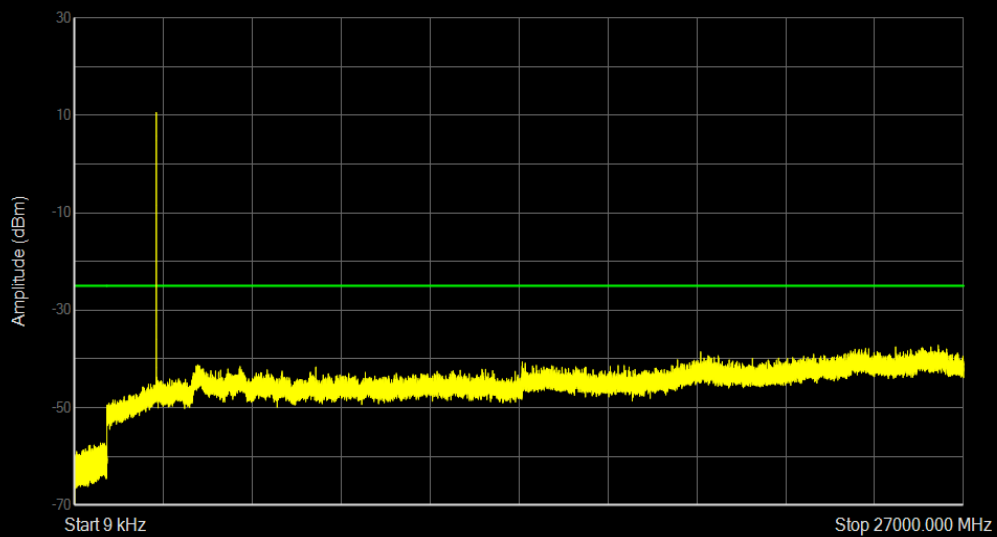
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00966225	-49.77	-25
2	0.15	30	10	0.15	-59.68	-25
3	30	1000	100	827.534	-55.61	-25
4	1000	27000	1000	26071.8	-36.1	-25

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

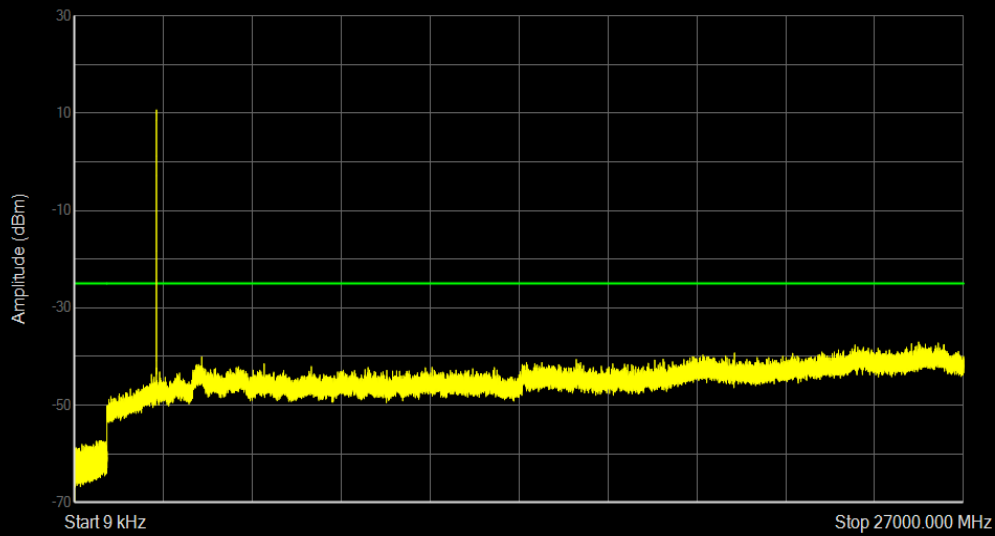


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010032825	-48.41	-25
2	0.15	30	10	0.16417875	-59.11	-25
3	30	1000	100	924.07325	-54.87	-25
4	1000	27000	1000	23670.05	-36.57	-25

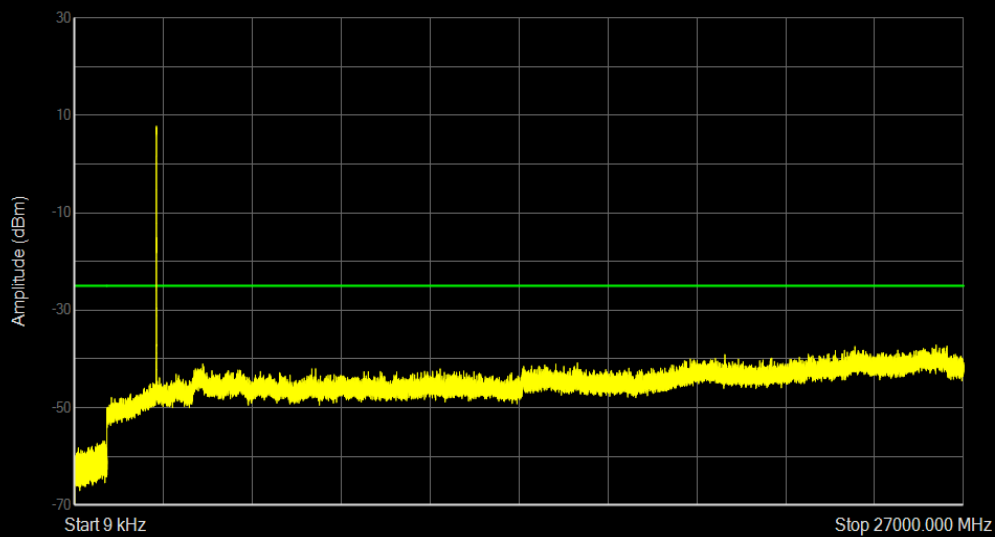
n7 SCS=15kHz CP_QPSK BW=5MHz Channel=500500 RB=1@0



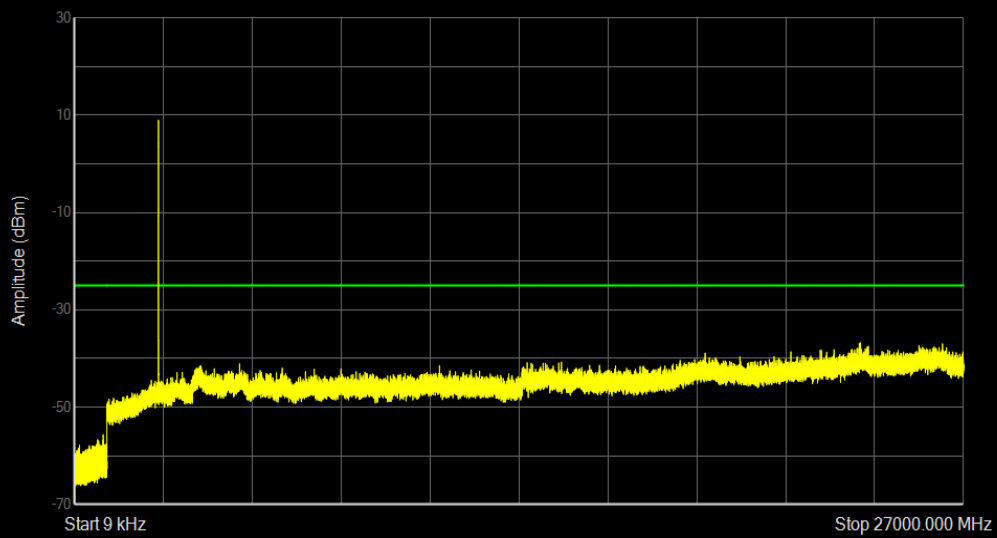
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011019825	-48.24	-25
2	0.15	30	10	0.1544775	-59.97	-25
3	30	1000	100	810.34075	-57.25	-25
4	1000	27000	1000	26232.35	-37.19	-25

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

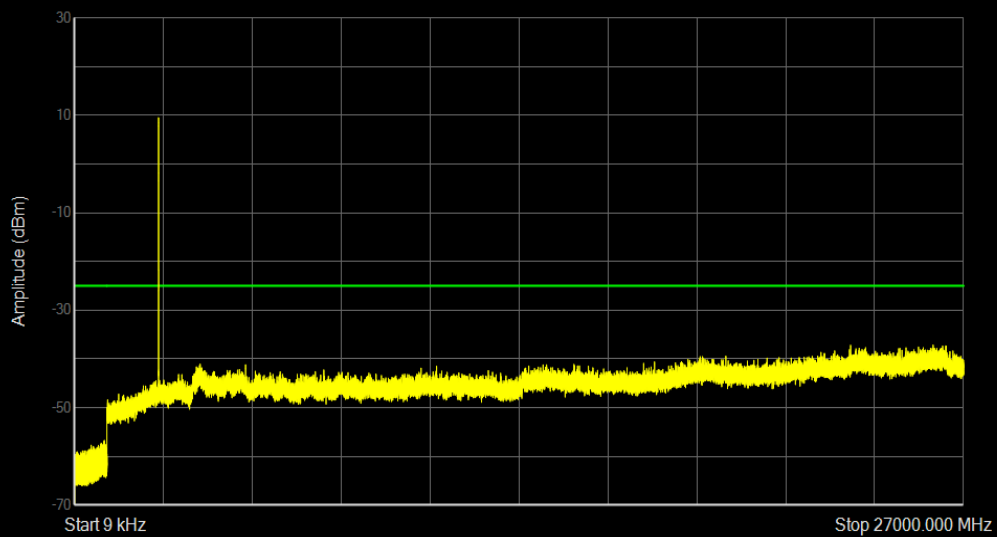
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01381515	-47.67	-25
2	0.15	30	10	0.15223875	-59.79	-25
3	30	1000	100	792.29875	-57.29	-25
4	1000	27000	1000	25635	-37.03	-25

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	0.01635315	-46.36	-25
2	0.15	30	10	0.18805875	-59.58	-25
3	30	1000	100	884.78825	-56.84	-25
4	1000	27000	1000	26168	-37.14	-25

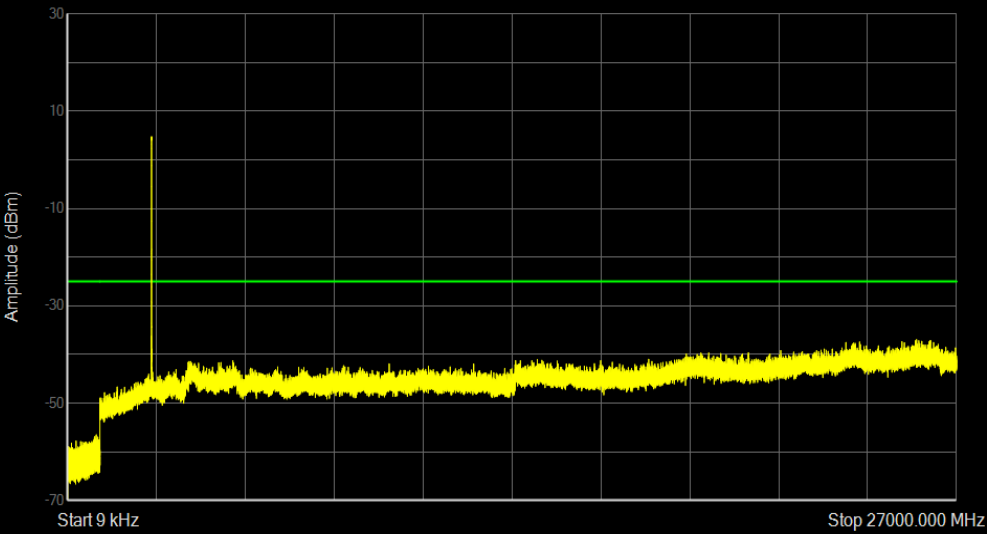
n7 SCS=15kHz CP_QPSK BW=5MHz Channel=513500 RB=1@0

Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0104523	-49.01	-25
2	0.15	30	10	0.15522375	-60.09	-25
3	30	1000	100	888.71675	-55.66	-25
4	1000	27000	1000	23869.6	-36.77	-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	0.01003635	-48.81	-25
2	0.15	30	10	0.15223875	-58.37	-25
3	30	1000	100	924.41275	-56.74	-25
4	1000	27000	1000	26075.05	-37.15	-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)
1	0.009	0.15	1	0.01092465	-48.47	-25
2	0.15	30	10	0.1574625	-59.43	-25
3	30	1000	100	892.06325	-56.51	-25
4	1000	27000	1000	25785.15	-36.94	-25