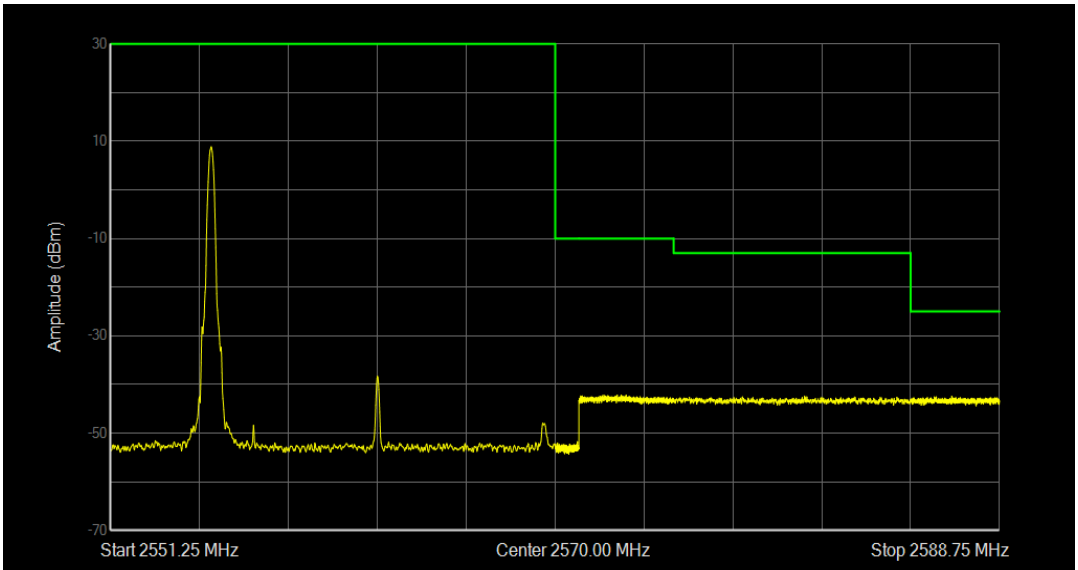
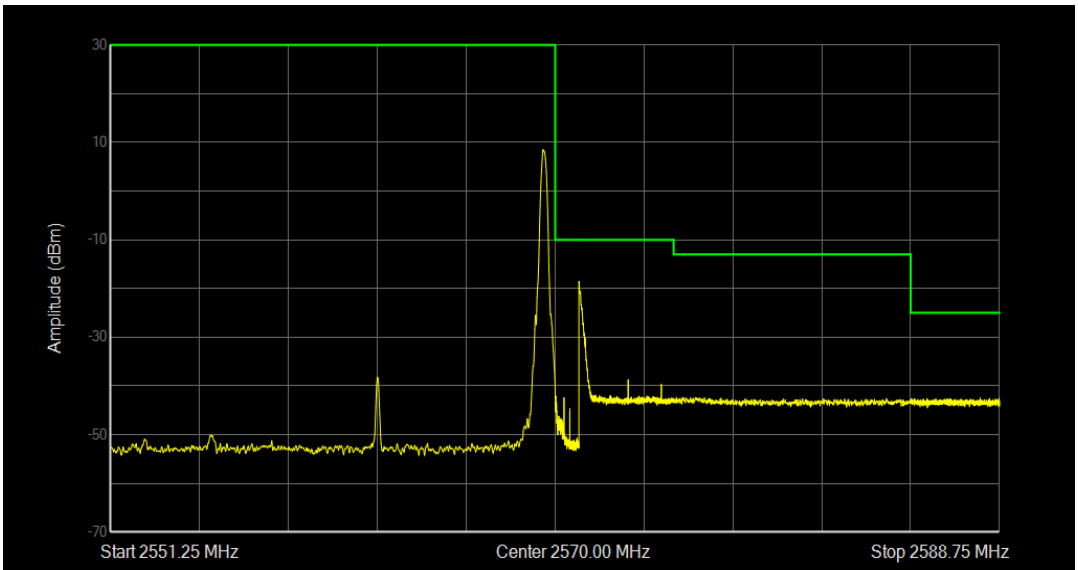
n7 SCS=15kHz CP_QPSK BW=15MHz Channel=512500 RB=1@0



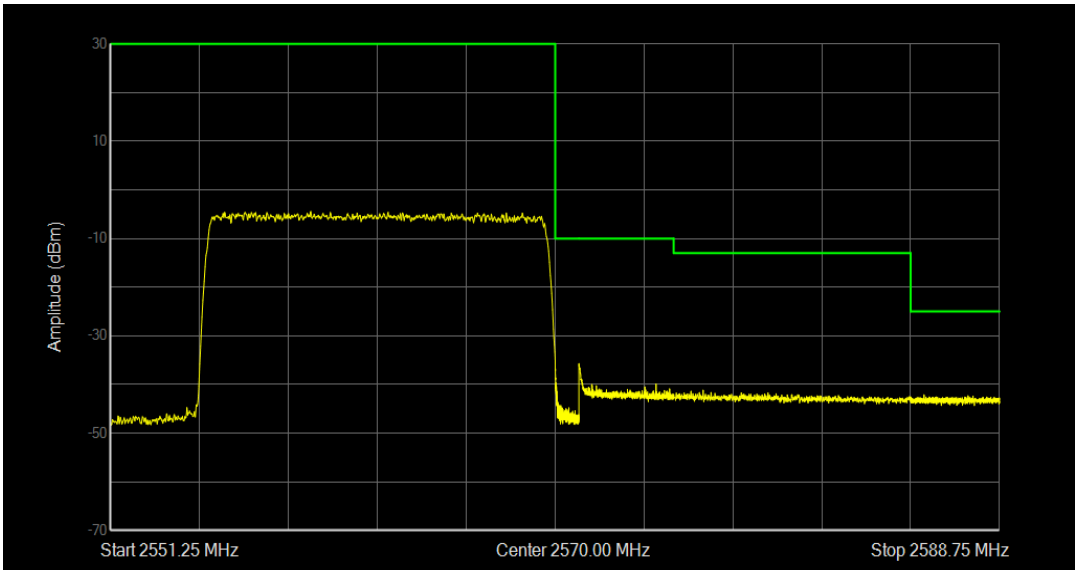
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.941	-51.74	-10
3	2571	2575	1000	2572.992	-42.15	-10
4	2575	2585	1000	2580.52	-42.37	-13
5	2585	2588.75	1000	2586.7325	-42.39	-25

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



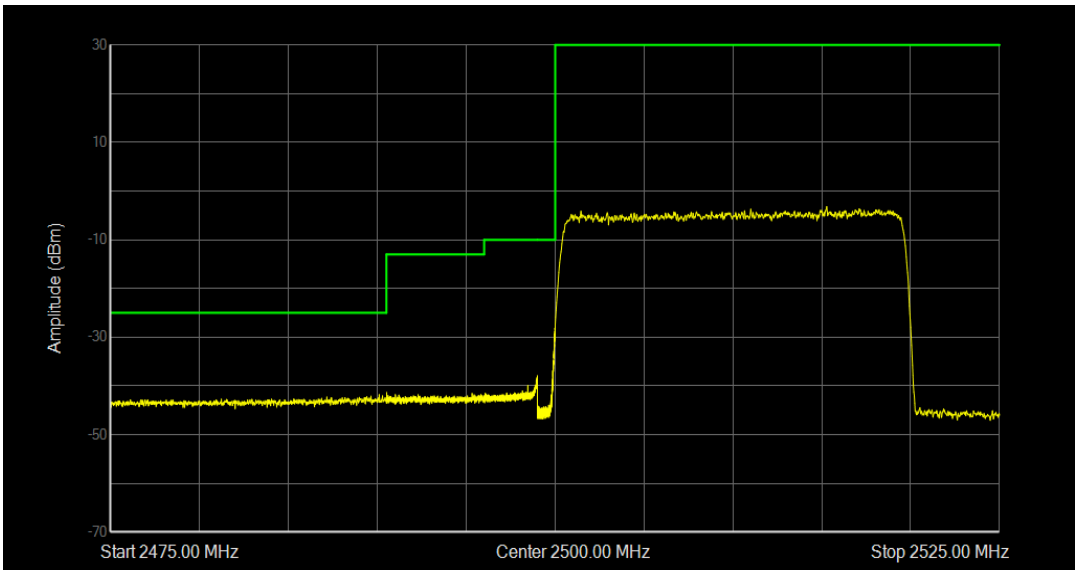
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.014	-42.03	-10
3	2571	2575	1000	2571.004	-18.73	-10
4	2575	2585	1000	2575.12	-42.36	-13
5	2585	2588.75	1000	2587.9325	-42.47	-25

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



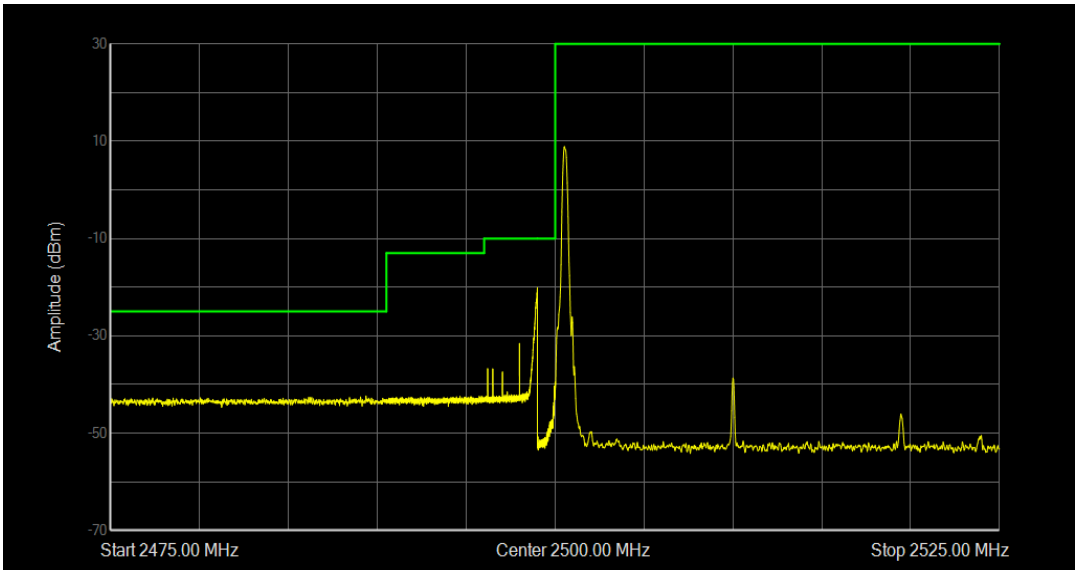
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	300	2570.001	-36.52	-10
3	2571	2575	1000	2571.012	-36.02	-10
4	2575	2585	1000	2576.24	-41.17	-13
5	2585	2588.75	1000	2585.5625	-42.11	-25

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



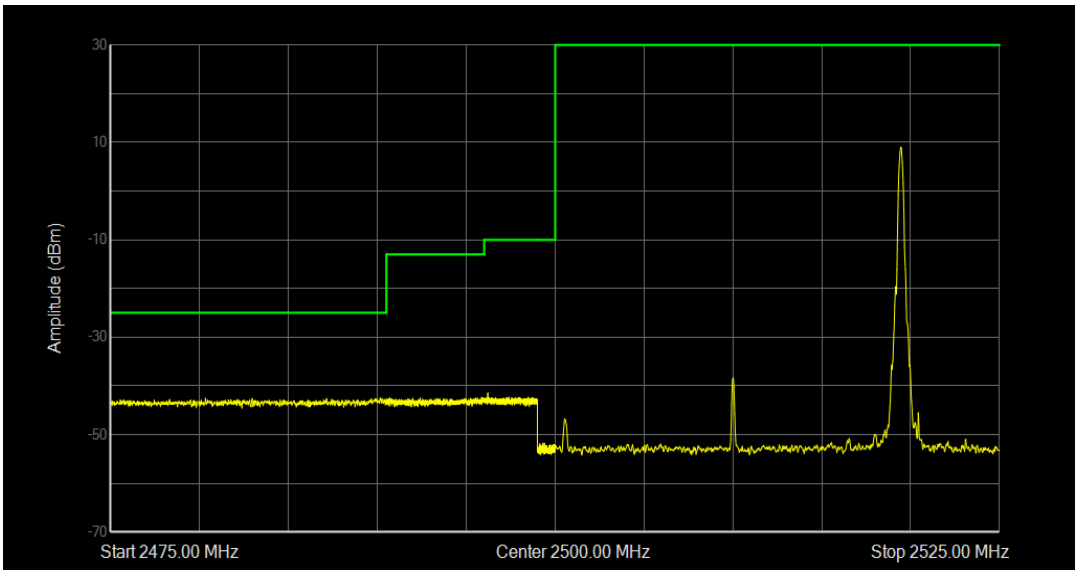
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490.5	1000	2490.097	-41.79	-25
2	2490.5	2496	1000	2490.5165	-41.35	-13
3	2496	2499	1000	2499	-37.92	-10
4	2499	2500	430	2500	-27.49	-10

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



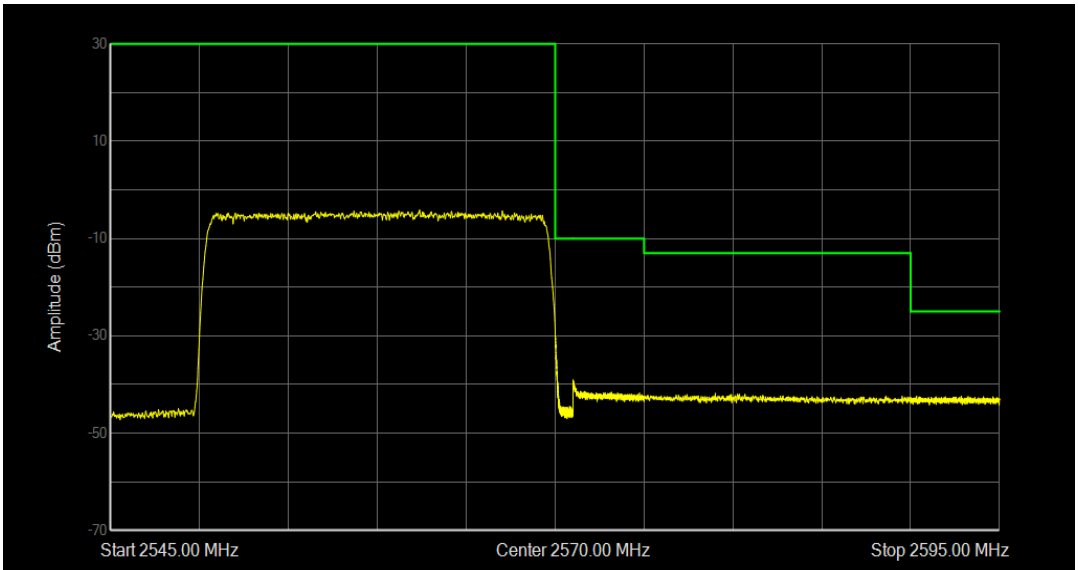
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490.5	1000	2489.353	-42.37	-25
2	2490.5	2496	1000	2495.8515	-42.41	-13
3	2496	2499	1000	2498.997	-20.11	-10
4	2499	2500	100	2499.997	-39.5	-10

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



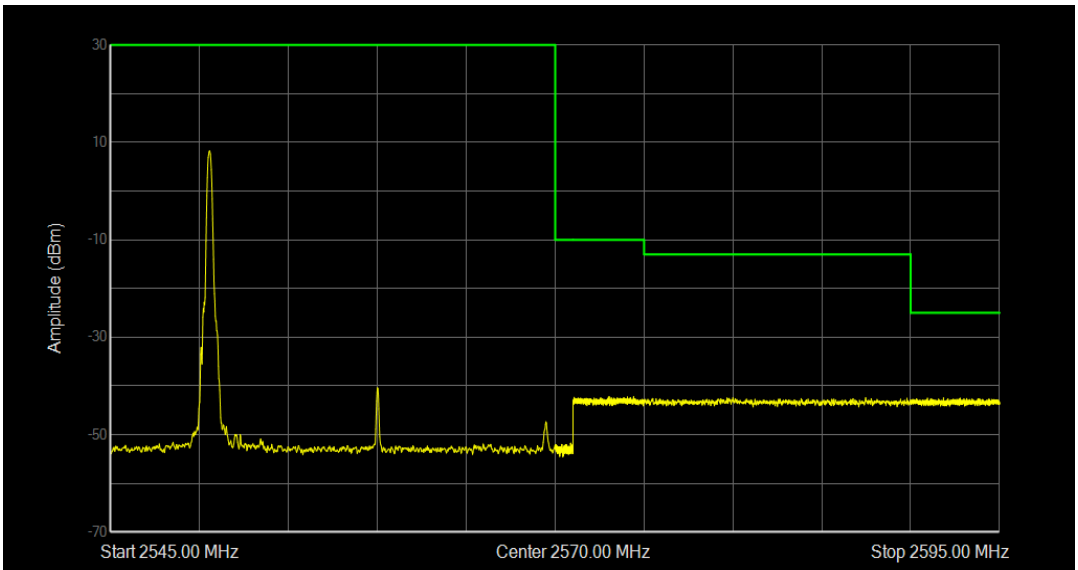
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490.5	1000	2490.159	-42.45	-25
2	2490.5	2496	1000	2495.857	-42.34	-13
3	2496	2499	1000	2496.207	-41.41	-10
4	2499	2500	100	2499.31	-51.77	-10

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



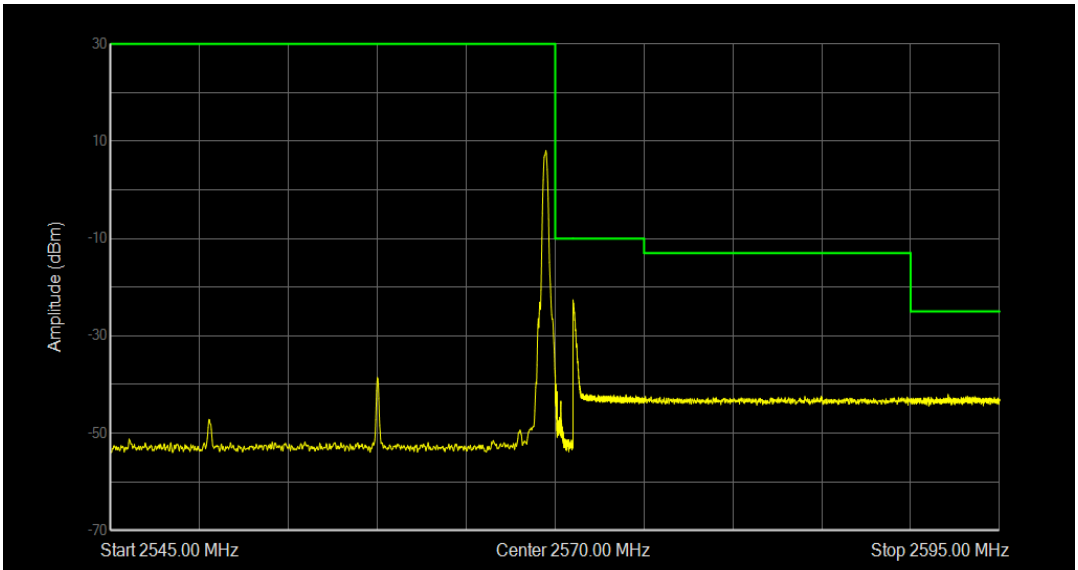
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	430	2570.005	-30.08	-10
3	2571	2575	1000	2571.012	-39.08	-10
4	2575	2590	1000	2579.005	-41.82	-13
5	2590	2595	1000	2590.33	-42.41	-25

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



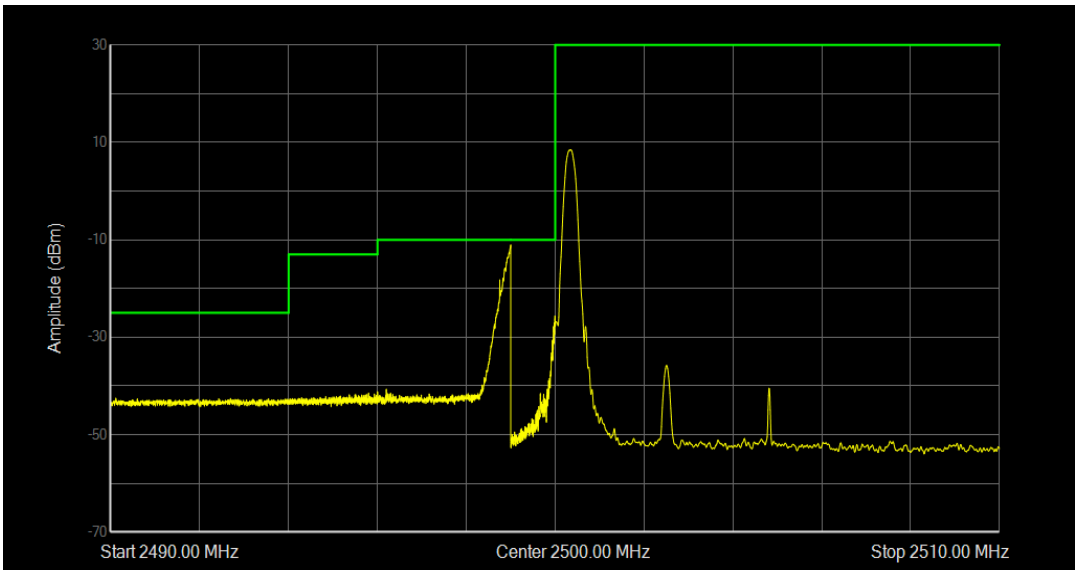
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.869	-51.73	-10
3	2571	2575	1000	2574.408	-42.19	-10
4	2575	2590	1000	2587.465	-42.42	-13
5	2590	2595	1000	2591.845	-42.44	-25

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



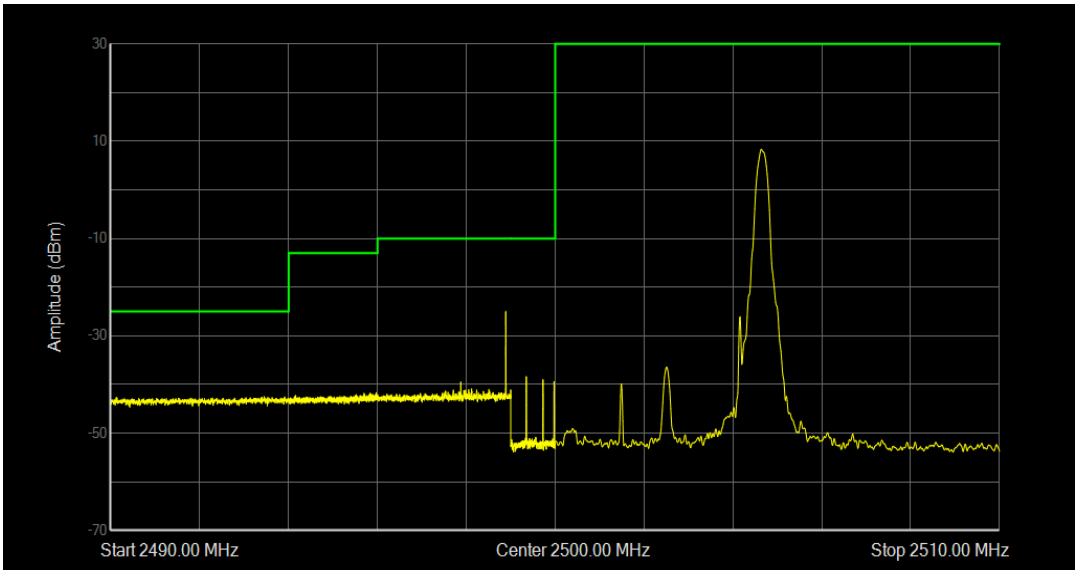
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.001	-37.23	-10
3	2571	2575	1000	2571.004	-22.76	-10
4	2575	2590	1000	2584.96	-42.45	-13
5	2590	2595	1000	2592.105	-42.06	-25

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



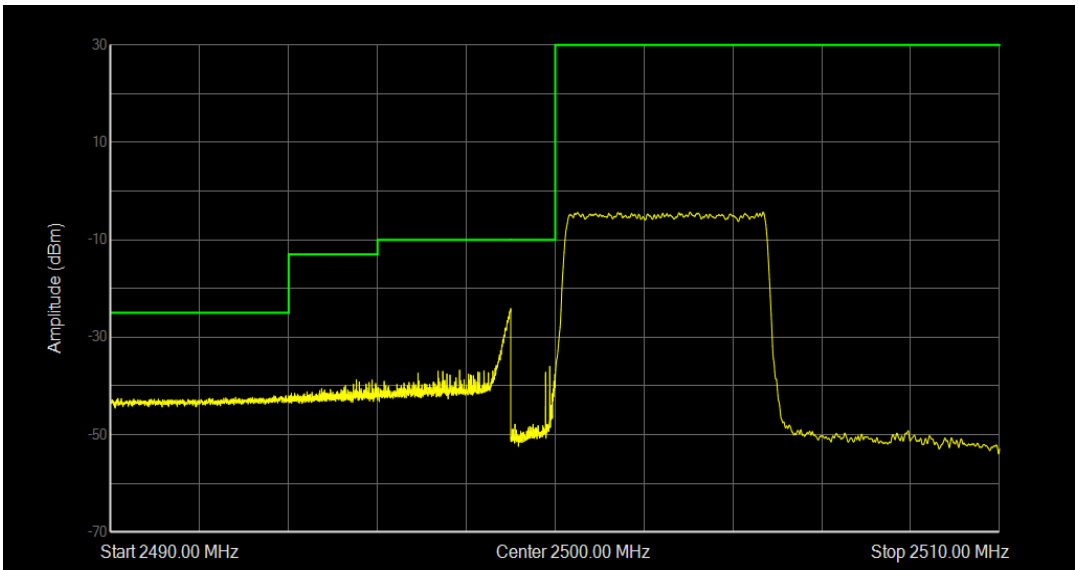
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2490	2494	1000	2490.112	-42.53	-25
2	2494	2496	1000	2495.8	-41.47	-13
3	2496	2499	1000	2499	-11.06	-10
4	2499	2500	100	2499.994	-25.66	-10

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



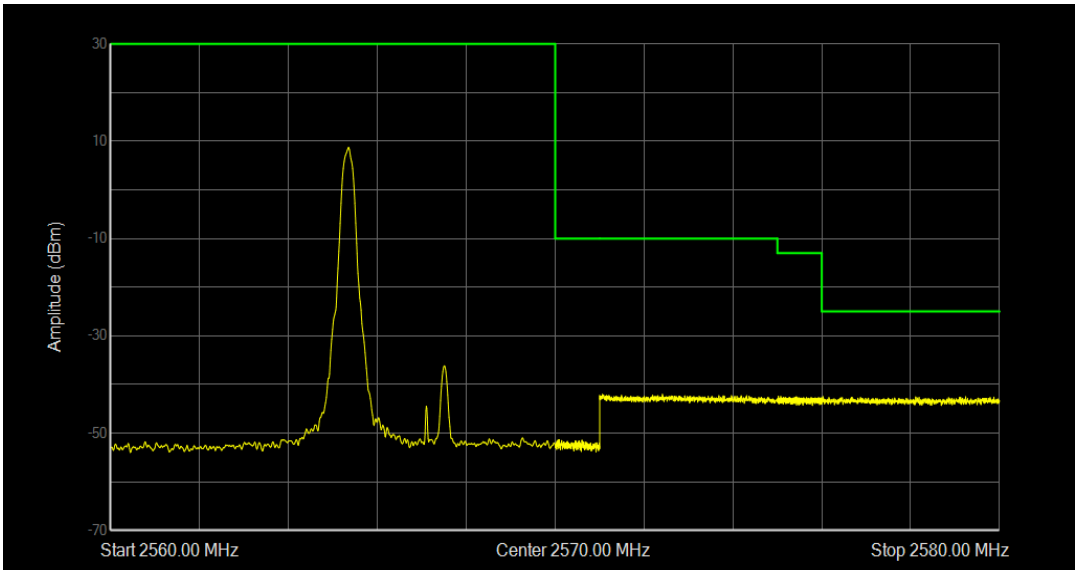
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2490	2494	1000	2493.448	-42.48	-25
2	2494	2496	1000	2495.97	-41.67	-13
3	2496	2499	1000	2498.886	-25.01	-10
4	2499	2500	100	2499.348	-38.4	-10

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



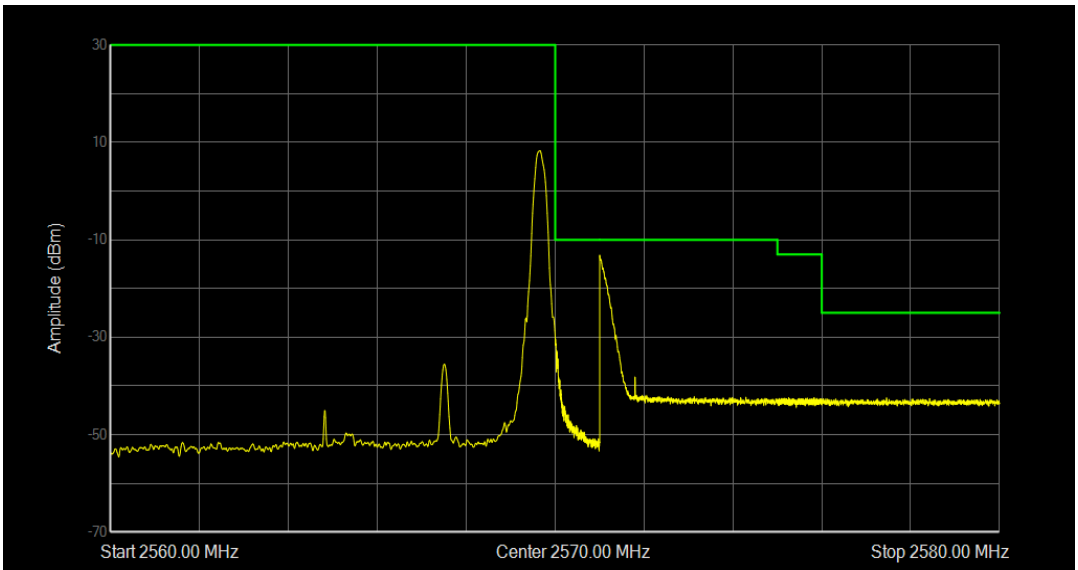
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2490	2494	1000	2493.94	-41.98	-25
2	2494	2496	1000	2495.524	-38.75	-13
3	2496	2499	1000	2499	-24.13	-10
4	2499	2500	100	2499.877	-35.98	-10

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



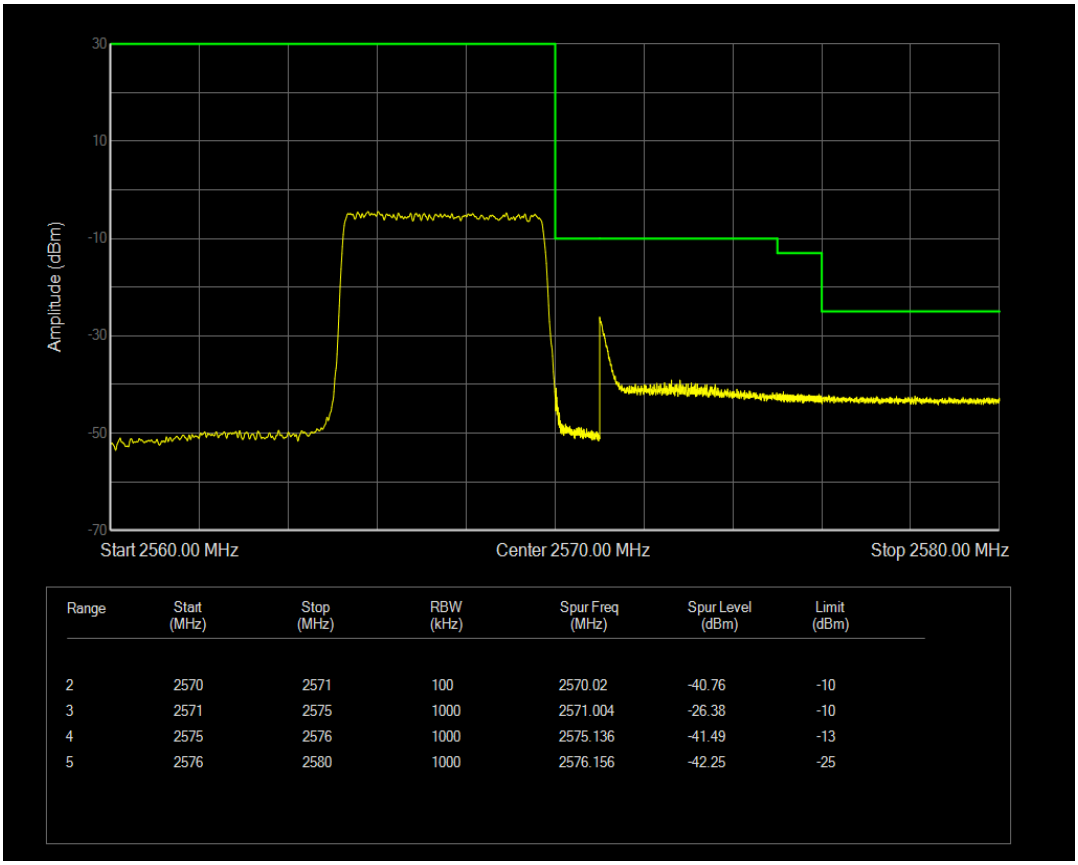
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.092	-51.34	-10
3	2571	2575	1000	2571.064	-42.03	-10
4	2575	2576	1000	2575.022	-42.42	-13
5	2576	2580	1000	2576.028	-42.5	-25

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	2570.005	-30.34	-10
3	2571	2575	1000	2571.004	-13.44	-10
4	2575	2576	1000	2575.253	-42.41	-13
5	2576	2580	1000	2577.456	-42.47	-25

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

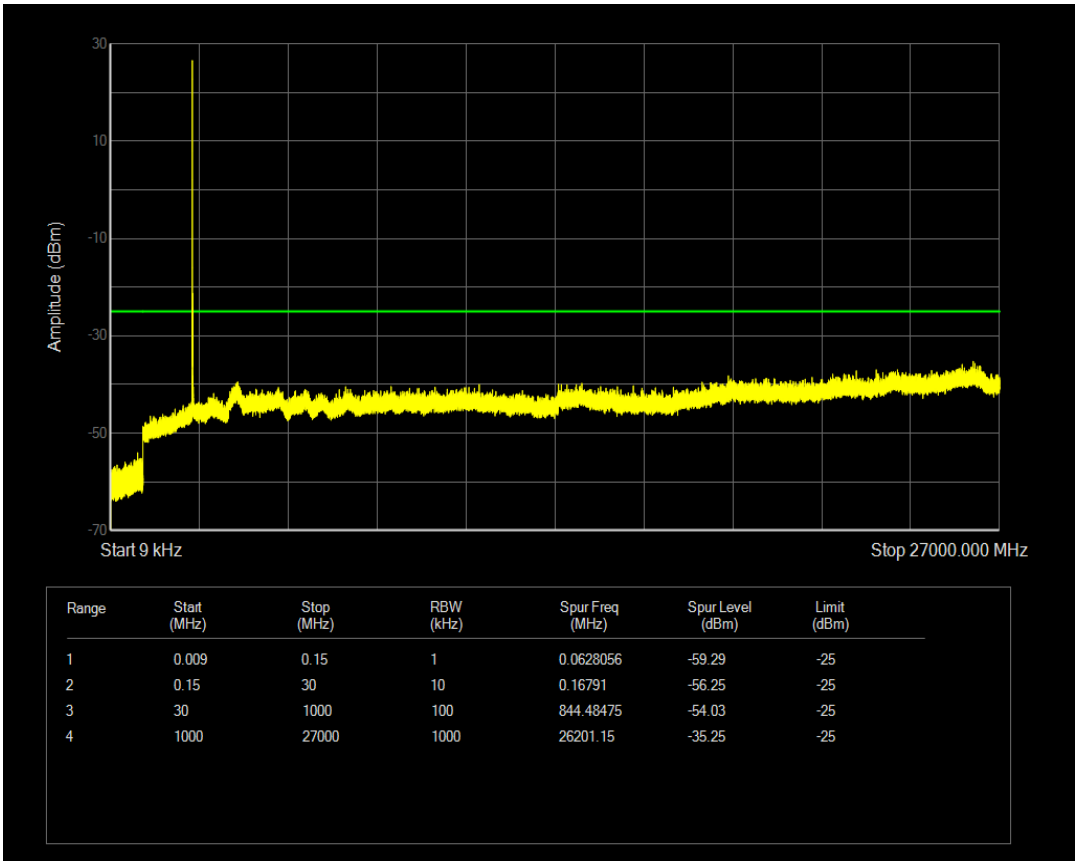


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.02	-40.76	-10
3	2571	2575	1000	2571.004	-26.38	-10
4	2575	2576	1000	2575.136	-41.49	-13
5	2576	2580	1000	2576.156	-42.25	-25

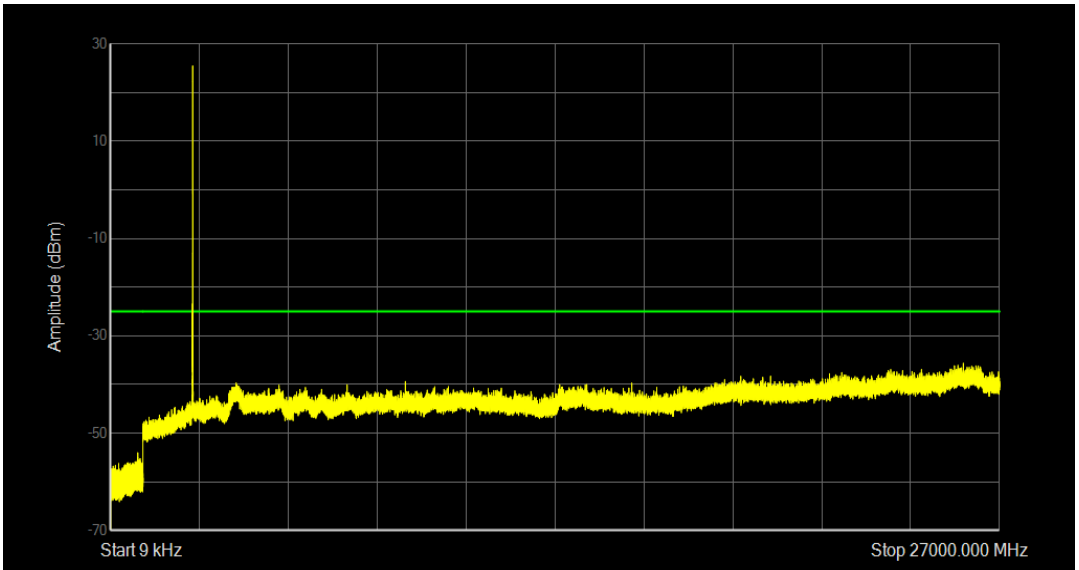
6 Out-of-band emissions for EN-DC

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	25800.10	-35.35	-25	PASS
n7	15	5	500500	1@0	CP_QPSK	25631.10	-35.55	-25	PASS
n7	15	5	500500	1@24	CP_QPSK	26233.65	-35.28	-25	PASS
n7	15	5	513500	25@0	CP_QPSK	23374.30	-35.91	-25	PASS
n7	15	5	513500	1@0	CP_QPSK	26234.30	-35.11	-25	PASS
n7	15	5	513500	1@24	CP_QPSK	25747.45	-35.61	-25	PASS
n7	15	15	501500	79@0	CP_QPSK	25614.20	-36.25	-25	PASS
n7	15	15	501500	1@0	CP_QPSK	26201.15	-35.25	-25	PASS
n7	15	15	501500	1@78	CP_QPSK	25899.55	-35.63	-25	PASS
n7	15	15	512500	79@0	CP_QPSK	26202.45	-35.03	-25	PASS
n7	15	15	512500	1@0	CP_QPSK	24099.70	-35.54	-25	PASS
n7	15	15	512500	1@78	CP_QPSK	26119.90	-35.64	-25	PASS
n7	15	20	502000	106@0	CP_QPSK	25718.85	-35.61	-25	PASS
n7	15	20	502000	1@0	CP_QPSK	25527.75	-36.03	-25	PASS
n7	15	20	502000	1@105	CP_QPSK	25939.85	-35.12	-25	PASS
n7	15	20	512000	106@0	CP_QPSK	25668.15	-35.51	-25	PASS
n7	15	20	512000	1@0	CP_QPSK	25807.90	-35.69	-25	PASS
n7	15	20	512000	1@105	CP_QPSK	26105.60	-35.59	-25	PASS

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

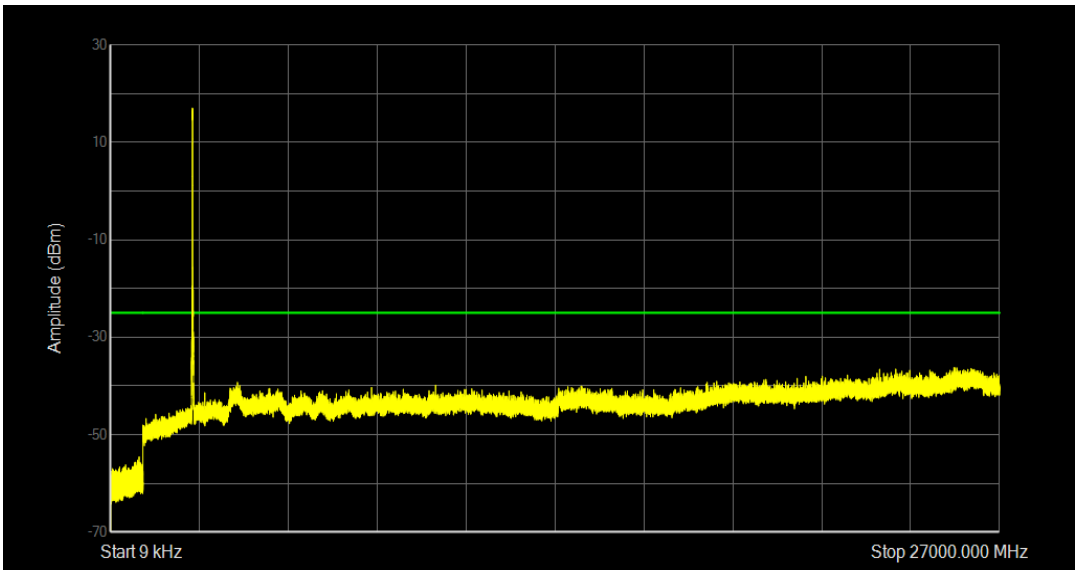


n7 SCS=15kHz CP_QPSK BW=15MHz Channel=501500 RB=1@78



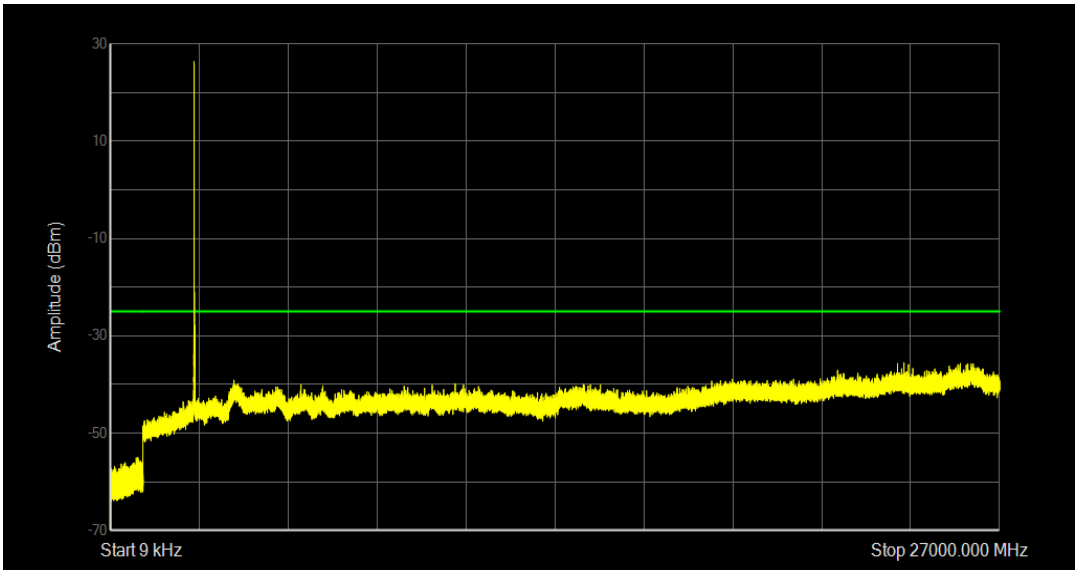
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.063147525	-60.33	-25
2	0.15	30	10	0.18805875	-56.98	-25
3	30	1000	100	845.0425	-54.04	-25
4	1000	27000	1000	25899.55	-35.63	-25

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



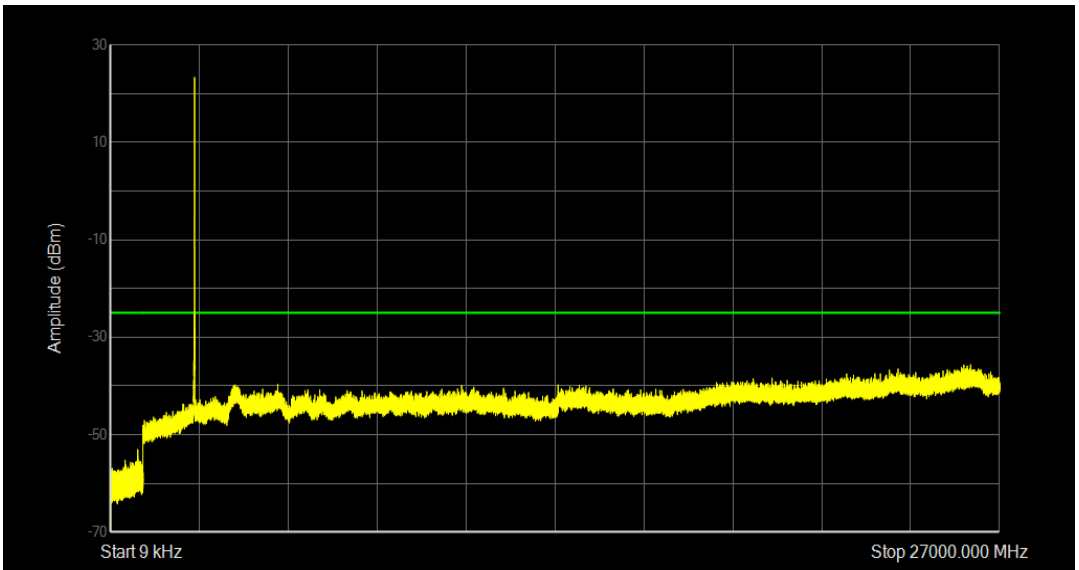
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06296775	-59.06	-25
2	0.15	30	10	0.16567125	-55.65	-25
3	30	1000	100	887.26175	-54.56	-25
4	1000	27000	1000	25614.2	-36.25	-25

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



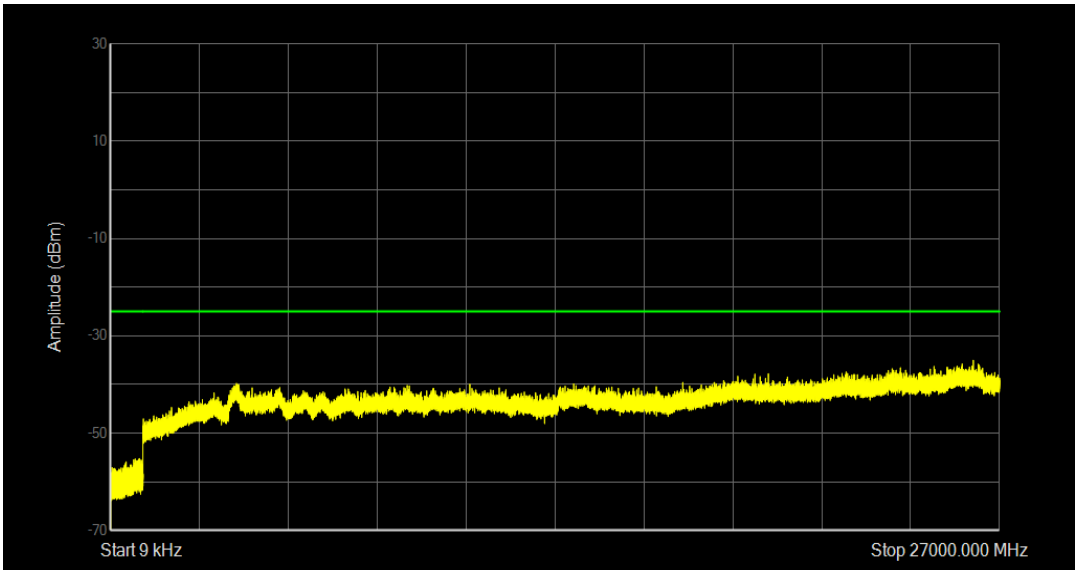
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062661075	-60.06	-25
2	0.15	30	10	0.158955	-56.42	-25
3	30	1000	100	845.479	-54.95	-25
4	1000	27000	1000	24099.7	-35.54	-25

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



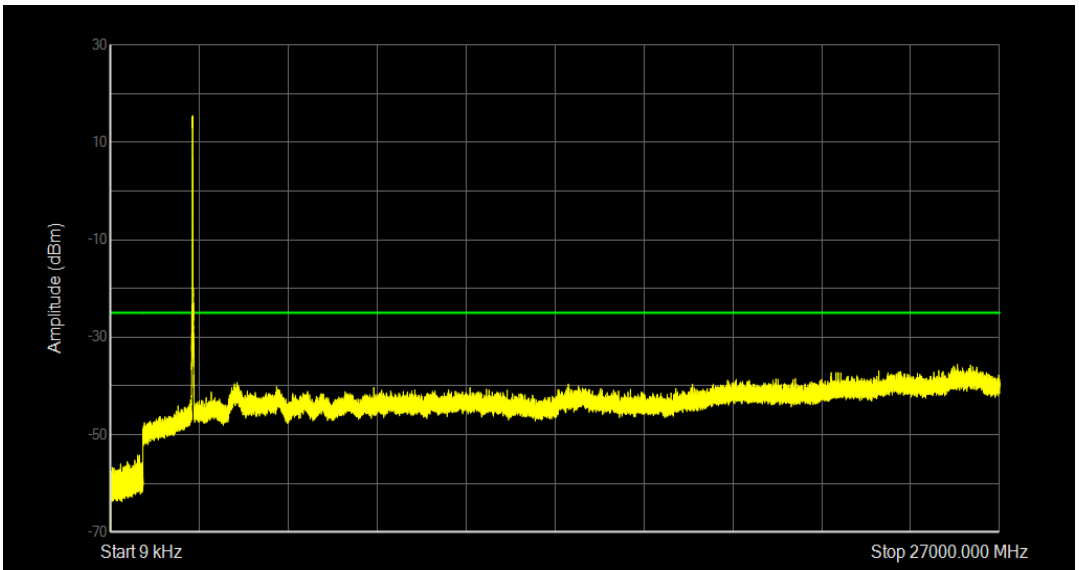
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06282675	-59.4	-25
2	0.15	30	10	0.15373125	-56.13	-25
3	30	1000	100	845.2365	-53.06	-25
4	1000	27000	1000	26119.9	-35.64	-25

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



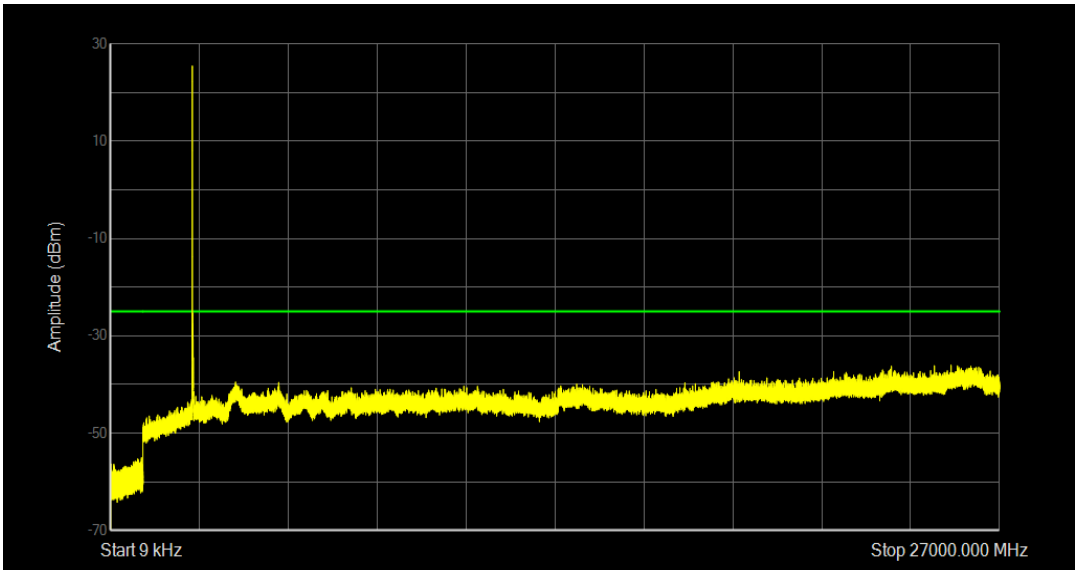
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062632875	-59.09	-25
2	0.15	30	10	0.15074625	-56.07	-25
3	30	1000	100	893.32425	-55.22	-25
4	1000	27000	1000	26202.45	-35.03	-25

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



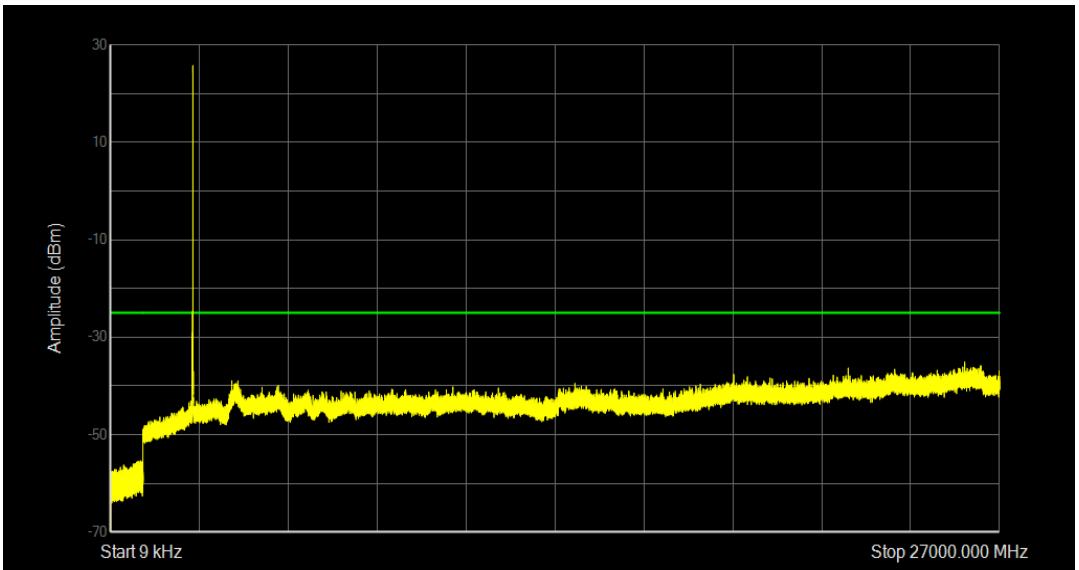
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062724525	-60.95	-25
2	0.15	30	10	0.1753725	-56.08	-25
3	30	1000	100	845.40625	-54.21	-25
4	1000	27000	1000	25718.85	-35.61	-25

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



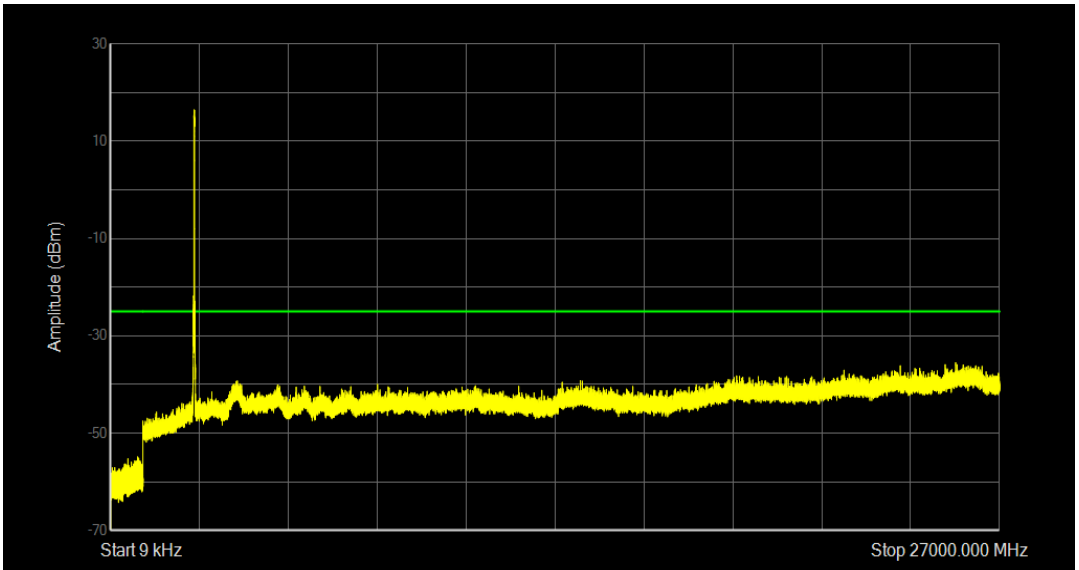
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06286905	-58.46	-25
2	0.15	30	10	0.15074625	-56.44	-25
3	30	1000	100	959.3085	-55.04	-25
4	1000	27000	1000	25527.75	-36.03	-25

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



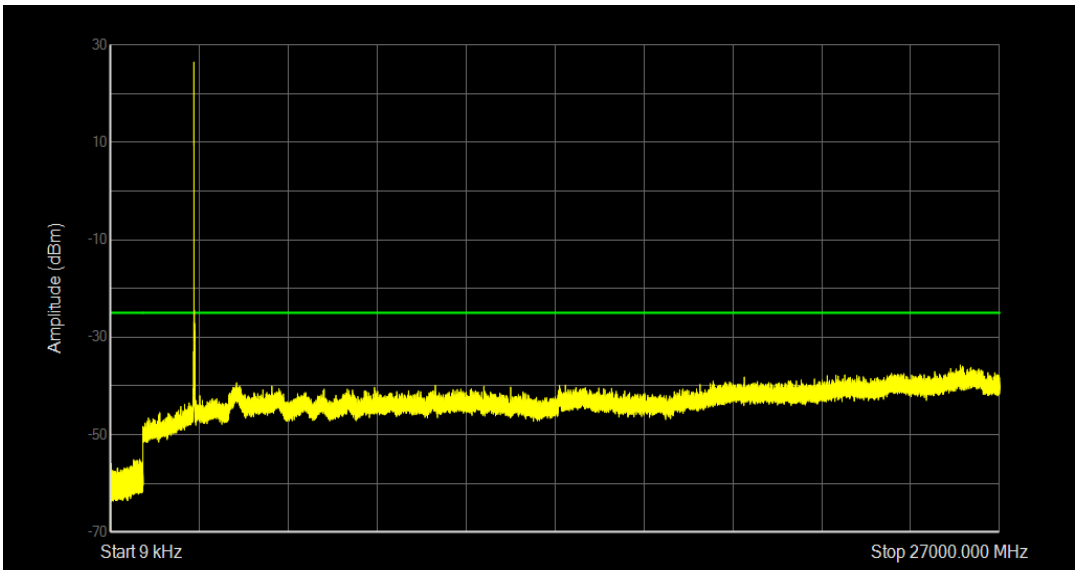
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0630453	-59.26	-25
2	0.15	30	10	0.15820875	-54.77	-25
3	30	1000	100	928.8505	-55.39	-25
4	1000	27000	1000	25939.85	-35.12	-25

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



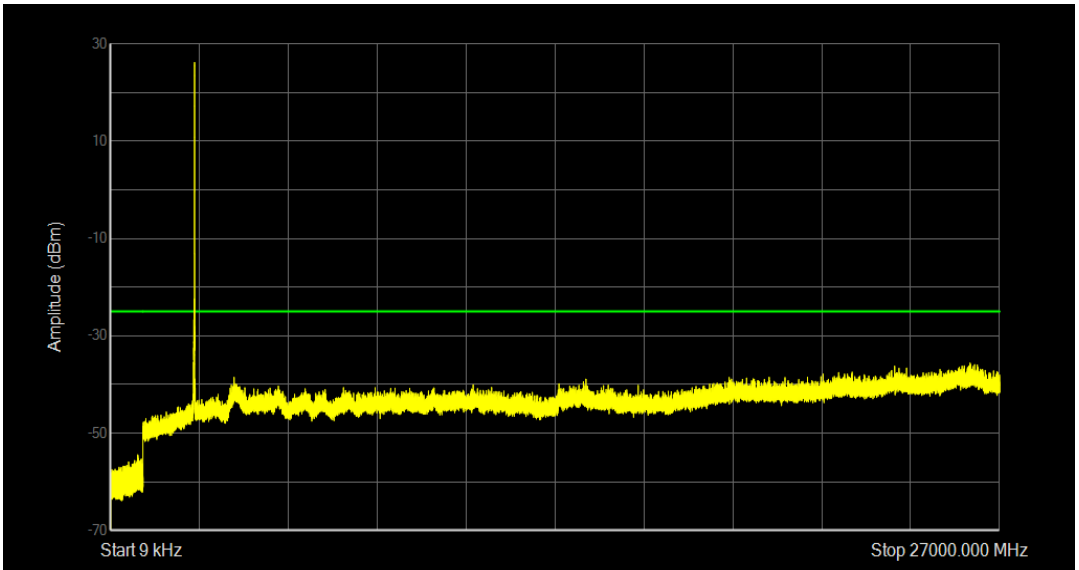
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0627069	-59.32	-25
2	0.15	30	10	0.152985	-54.54	-25
3	30	1000	100	844.53325	-54.87	-25
4	1000	27000	1000	25668.15	-35.51	-25

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



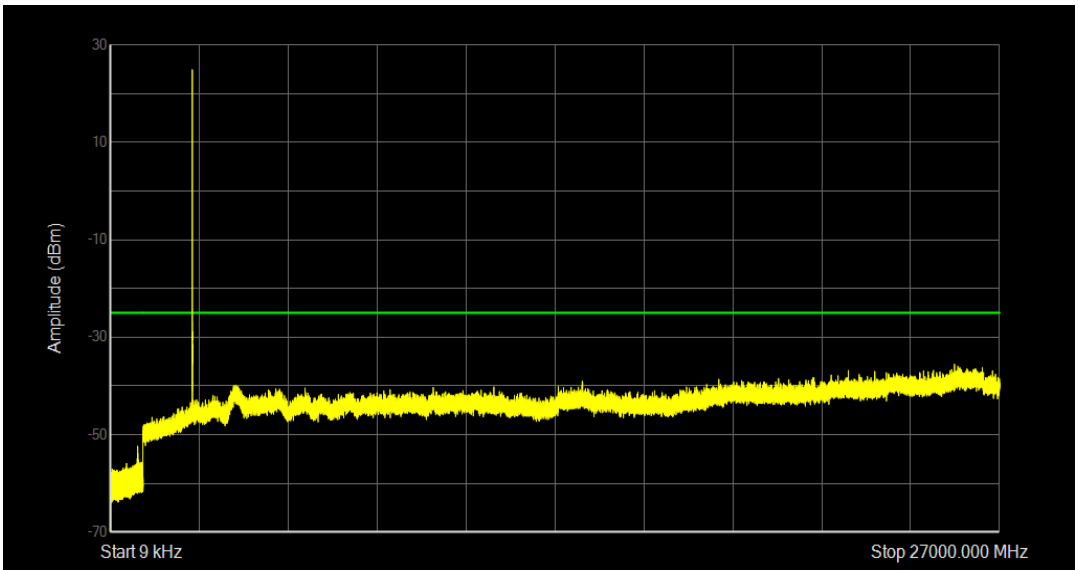
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0627069	-60.07	-25
2	0.15	30	10	0.15	-55.86	-25
3	30	1000	100	904.47925	-55.07	-25
4	1000	27000	1000	25807.9	-35.69	-25

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



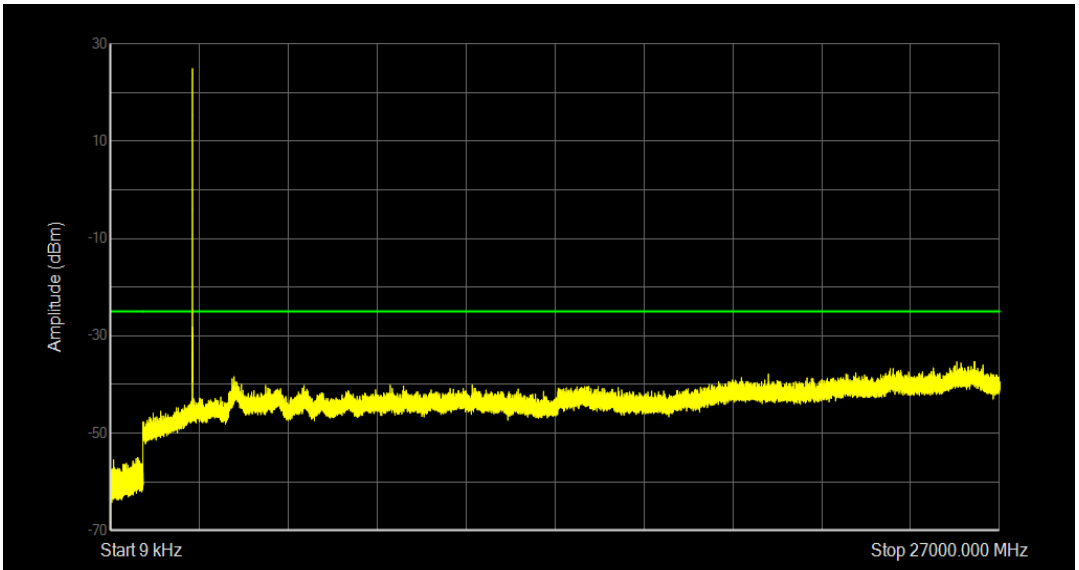
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062287425	-59.11	-25
2	0.15	30	10	0.15074625	-55.63	-25
3	30	1000	100	845.06675	-54.45	-25
4	1000	27000	1000	26105.6	-35.59	-25

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



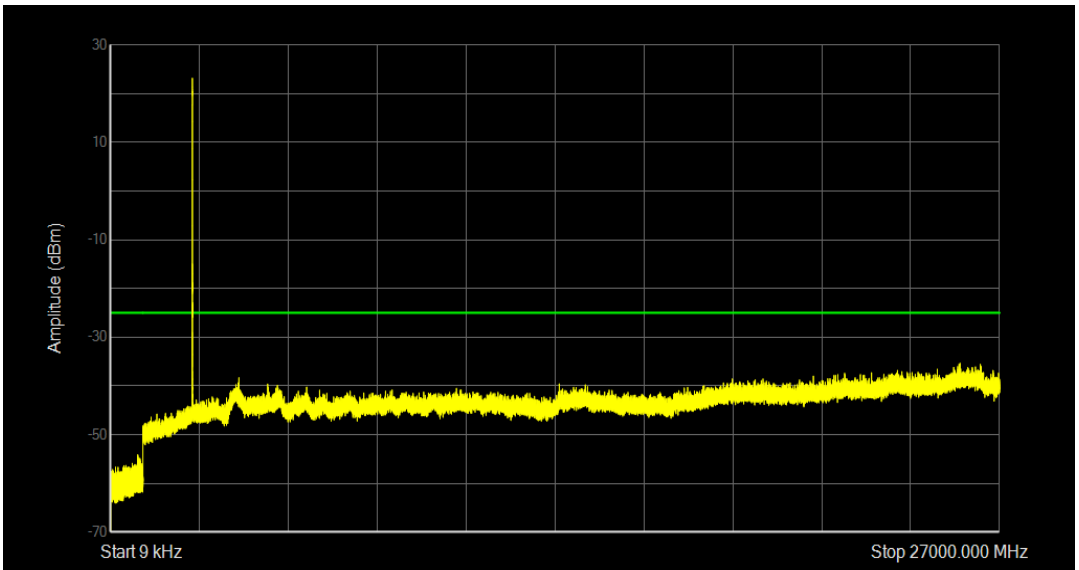
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06250245	-59.75	-25
2	0.15	30	10	0.1544775	-54.95	-25
3	30	1000	100	844.58175	-52.37	-25
4	1000	27000	1000	25631.1	-35.55	-25

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



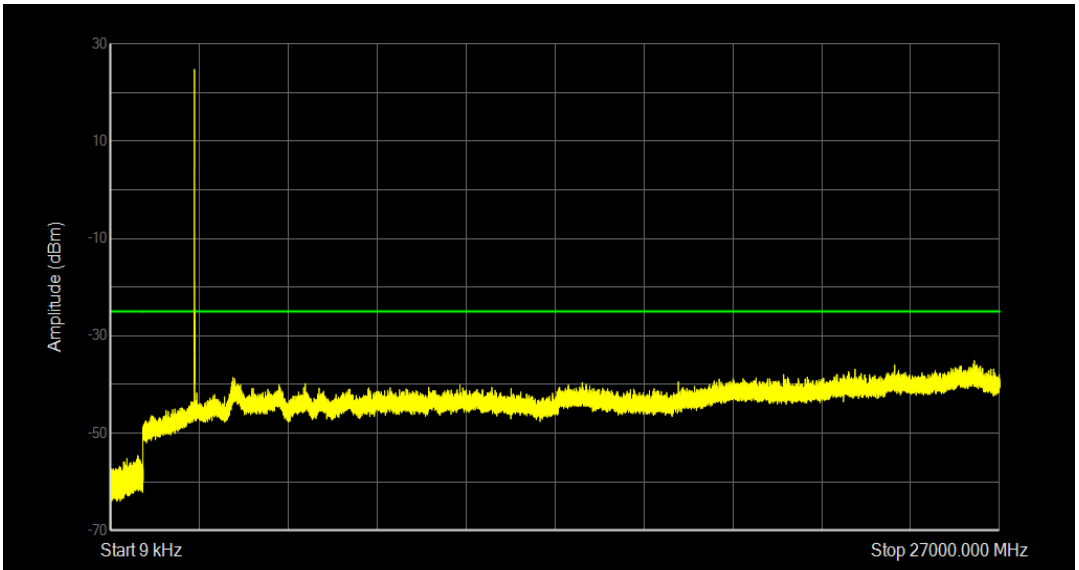
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062654025	-60.41	-25
2	0.15	30	10	0.1694025	-55.74	-25
3	30	1000	100	845.576	-55.05	-25
4	1000	27000	1000	26233.65	-35.28	-25

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



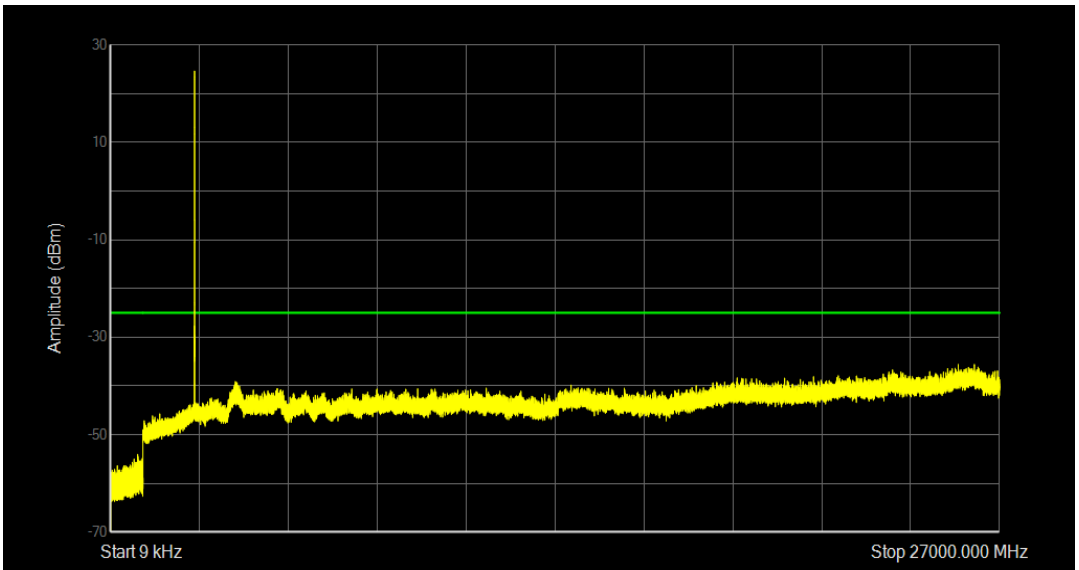
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.062604675	-60.4	-25
2	0.15	30	10	0.15223875	-55.94	-25
3	30	1000	100	845.2365	-54.13	-25
4	1000	27000	1000	25800.1	-35.35	-25

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



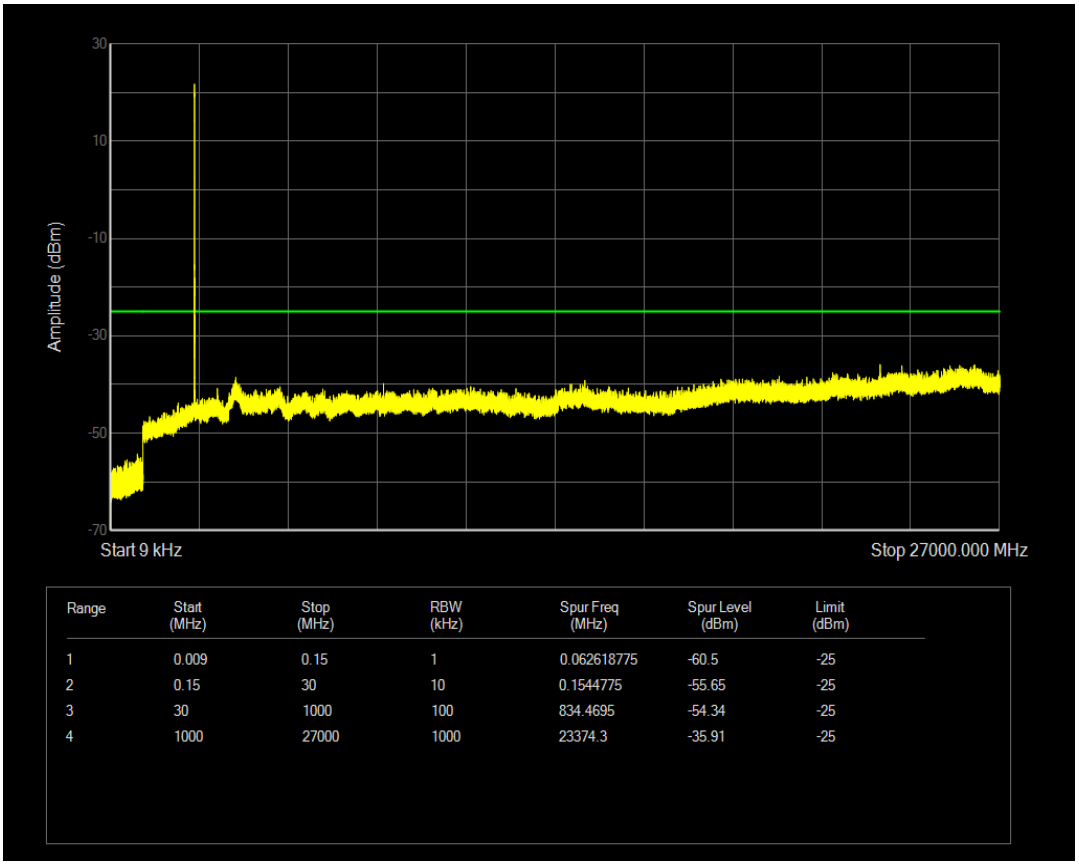
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.06291135	-60.35	-25
2	0.15	30	10	0.1544775	-56.05	-25
3	30	1000	100	845.576	-54.63	-25
4	1000	27000	1000	26234.3	-35.11	-25

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)
1	0.009	0.15	1	0.062745675	-58.69	-25
2	0.15	30	10	0.18208875	-55.79	-25
3	30	1000	100	844.58175	-54.06	-25
4	1000	27000	1000	25747.45	-35.61	-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	0.062618775	-60.5	-25
2	0.15	30	10	0.1544775	-55.65	-25
3	30	1000	100	834.4695	-54.34	-25
4	1000	27000	1000	23374.3	-35.91	-25