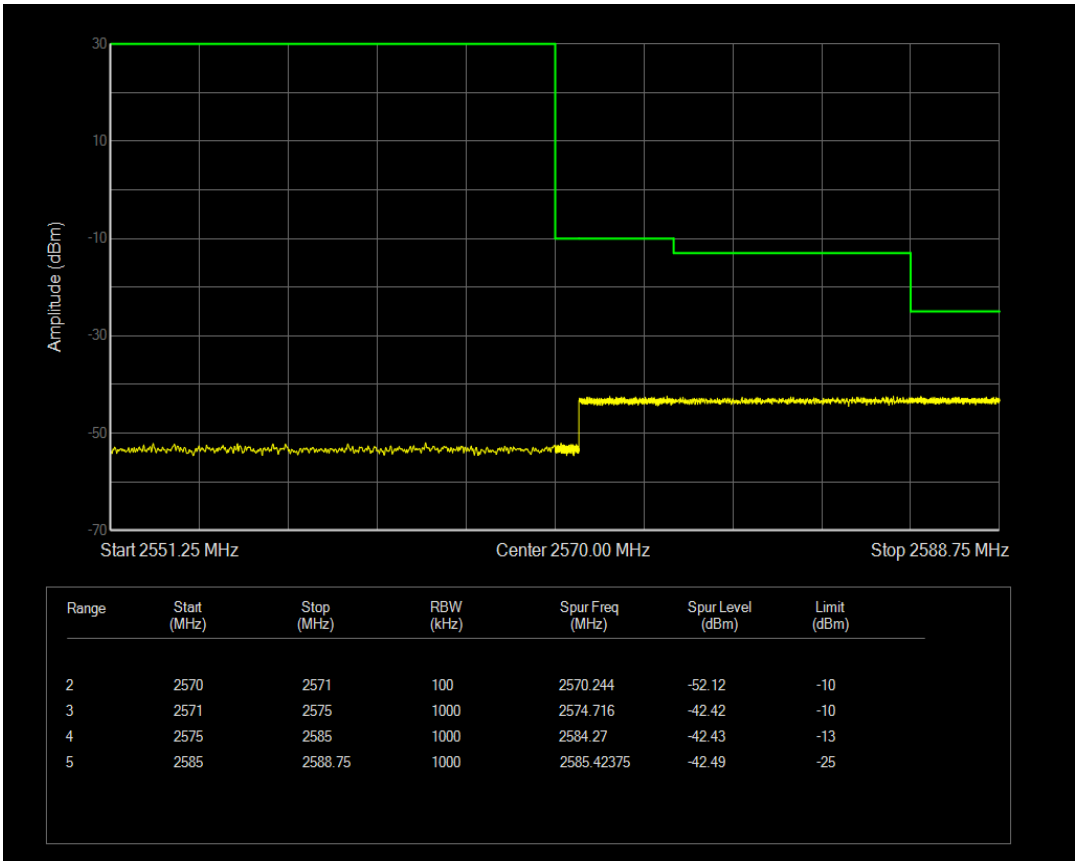
n7 SCS=15kHz DFT_QPSK BW=15MHz Channel=507000 RB=75@0

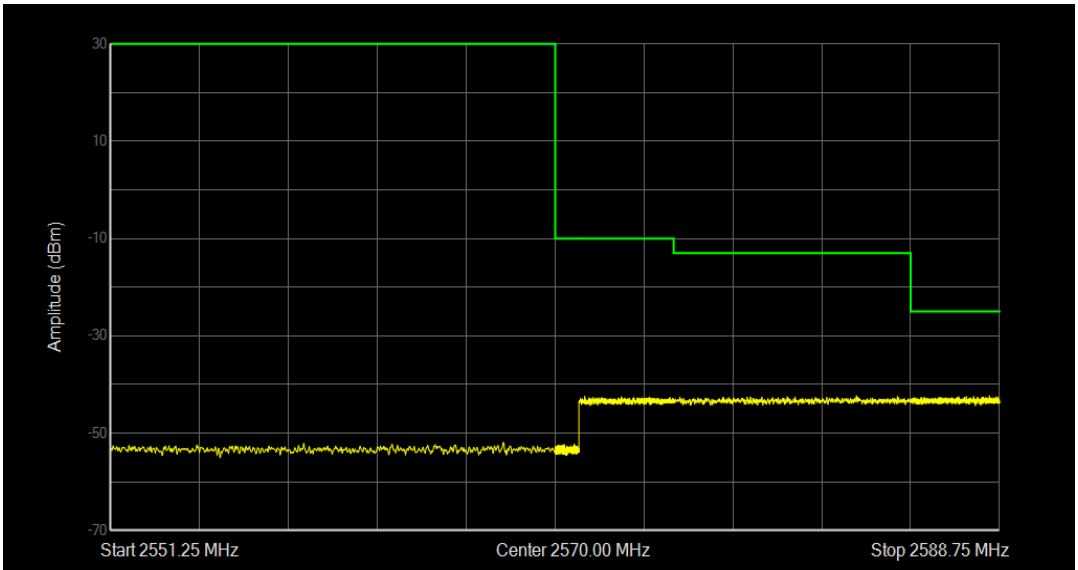
5 Band edge for EN-DC

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	2492.82	-42.61	-25	PASS
n7	15	5	500500	1@0	CP_QPSK	2492.09	-42.38	-25	PASS
n7	15	5	500500	1@24	CP_QPSK	2491.15	-42.52	-25	PASS
n7	15	5	513500	25@0	CP_QPSK	2577.18	-42.40	-25	PASS
n7	15	5	513500	1@0	CP_QPSK	2576.24	-42.48	-25	PASS
n7	15	5	513500	1@24	CP_QPSK	2577.49	-42.62	-25	PASS
n7	15	15	501500	79@0	CP_QPSK	2487.46	-42.56	-25	PASS
n7	15	15	501500	1@0	CP_QPSK	2481.41	-42.29	-25	PASS
n7	15	15	501500	1@78	CP_QPSK	2490.27	-42.46	-25	PASS
n7	15	15	512500	79@0	CP_QPSK	2586.42	-42.45	-25	PASS
n7	15	15	512500	1@0	CP_QPSK	2585.42	-42.49	-25	PASS
n7	15	15	512500	1@78	CP_QPSK	2588.32	-42.35	-25	PASS
n7	15	20	502000	106@0	CP_QPSK	2482.47	-42.56	-25	PASS
n7	15	20	502000	1@0	CP_QPSK	2489.43	-42.39	-25	PASS
n7	15	20	502000	1@105	CP_QPSK	2476.88	-42.59	-25	PASS
n7	15	20	512000	106@0	CP_QPSK	2594.31	-42.43	-25	PASS
n7	15	20	512000	1@0	CP_QPSK	2593.16	-42.53	-25	PASS
n7	15	20	512000	1@105	CP_QPSK	2594.17	-42.47	-25	PASS

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

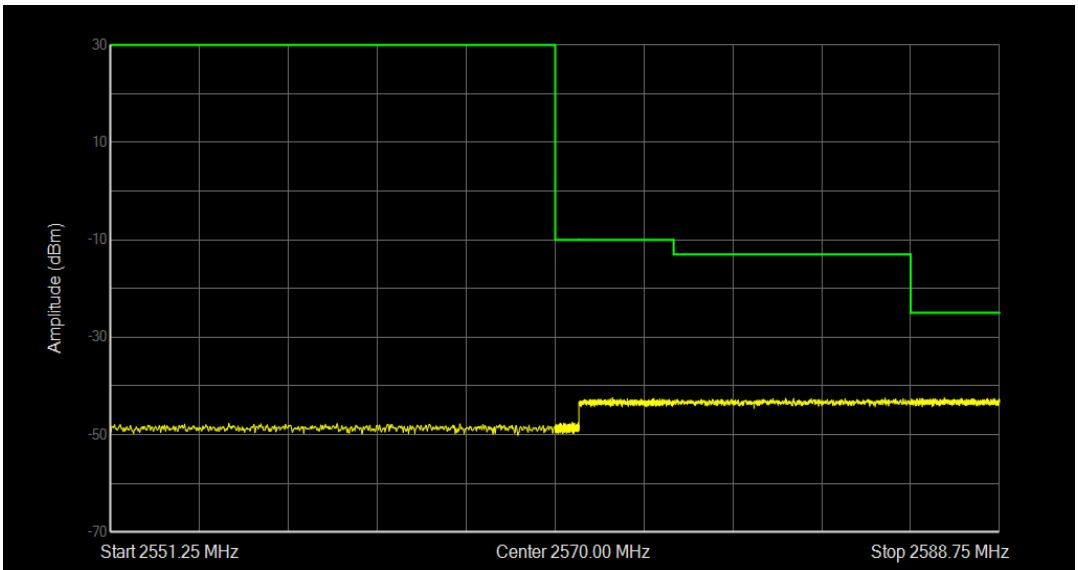


n7 SCS=15kHz CP_QPSK BW=15MHz Channel=512500 RB=1@78



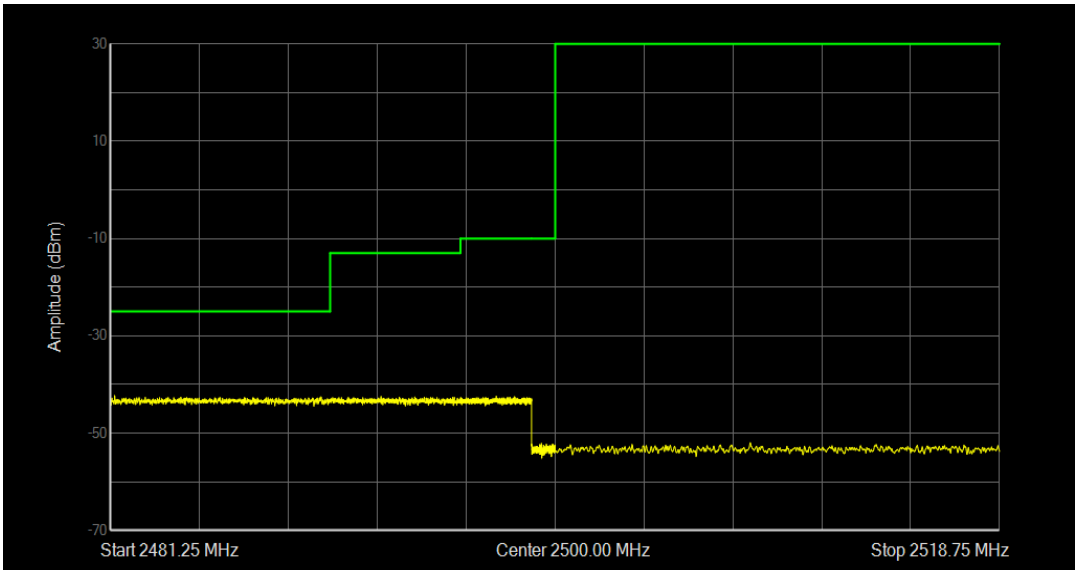
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.802	-52.29	-10
3	2571	2575	1000	2571.244	-42.44	-10
4	2575	2585	1000	2582.71	-42.33	-13
5	2585	2588.75	1000	2588.31875	-42.35	-25

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



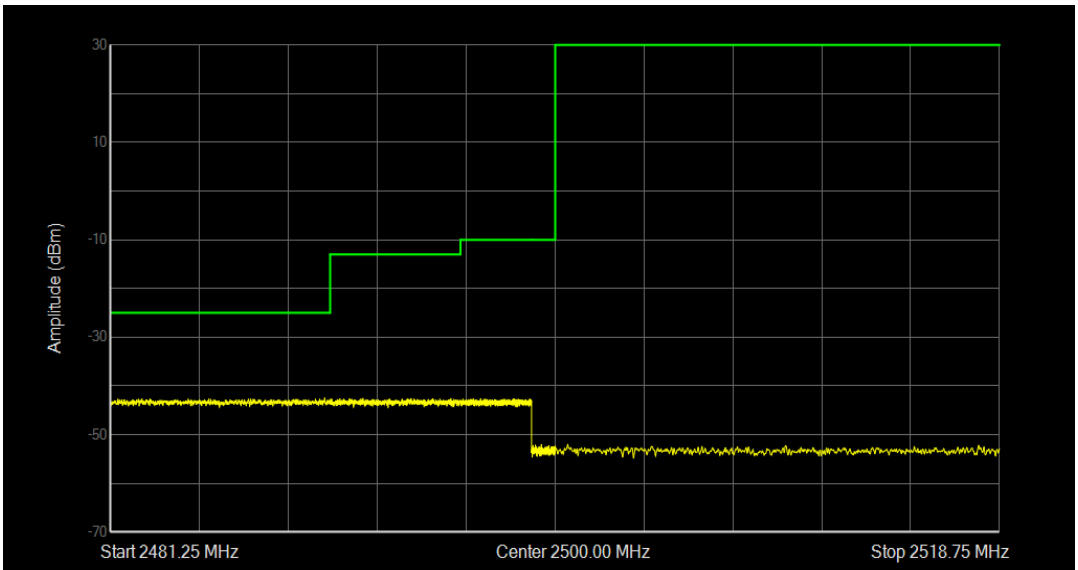
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	300	2570.711	-47.48	-10
3	2571	2575	1000	2572.412	-42.42	-10
4	2575	2585	1000	2583.92	-42.48	-13
5	2585	2588.75	1000	2586.42125	-42.45	-25

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



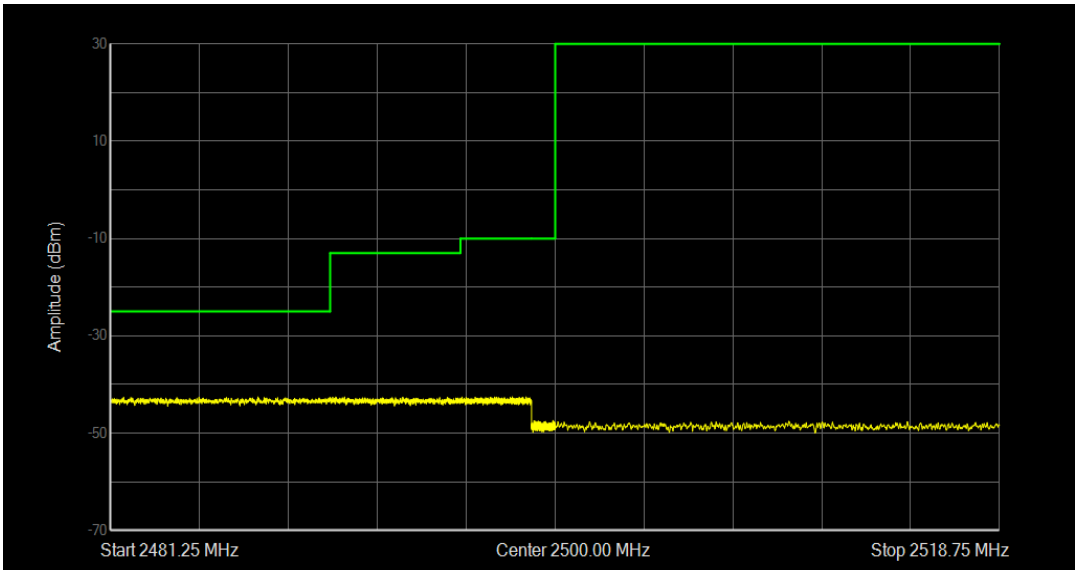
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2481.25	2490.5	1000	2481.40725	-42.29	-25
2	2490.5	2496	1000	2492.6505	-42.47	-13
3	2496	2499	1000	2497.512	-42.42	-10
4	2499	2500	100	2499.414	-52.13	-10

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



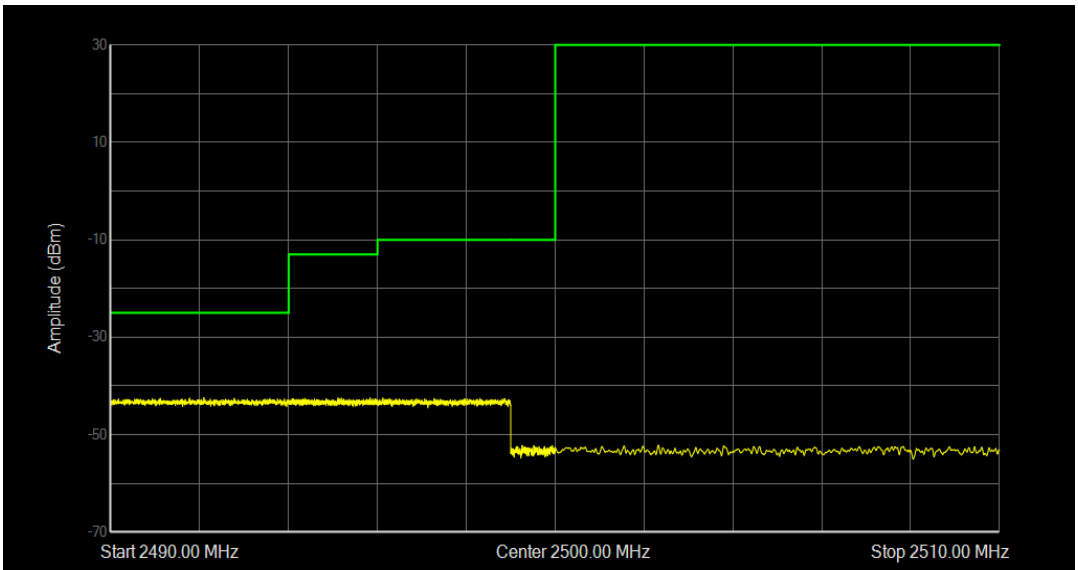
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2481.25	2490.5	1000	2490.26875	-42.46	-25
2	2490.5	2496	1000	2491.886	-42.55	-13
3	2496	2499	1000	2496.852	-42.6	-10
4	2499	2500	100	2499.415	-52.07	-10

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



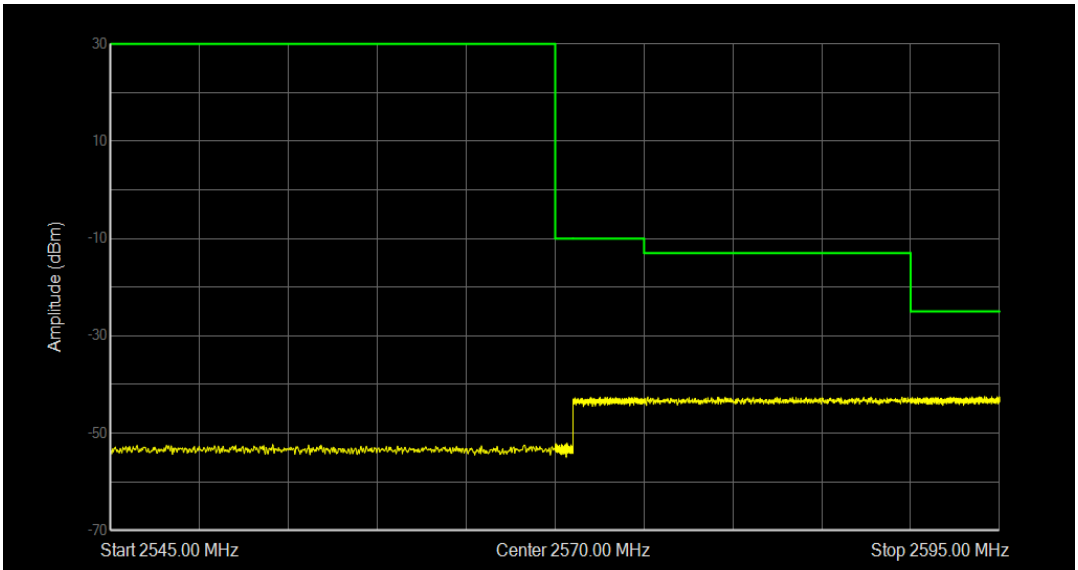
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2481.25	2490.5	1000	2487.45675	-42.56	-25
2	2490.5	2496	1000	2491.1105	-42.57	-13
3	2496	2499	1000	2498.19	-42.55	-10
4	2499	2500	300	2499.907	-47.4	-10

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



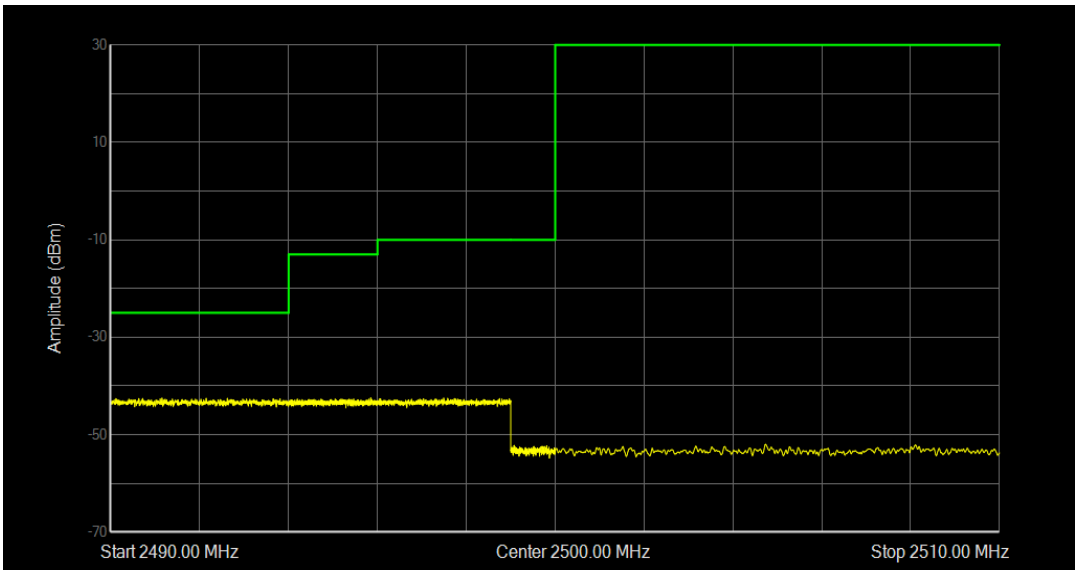
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2490	2494	1000	2492.092	-42.38	-25
2	2494	2496	1000	2495.834	-42.44	-13
3	2496	2499	1000	2496.123	-42.47	-10
4	2499	2500	100	2499.257	-52.22	-10

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



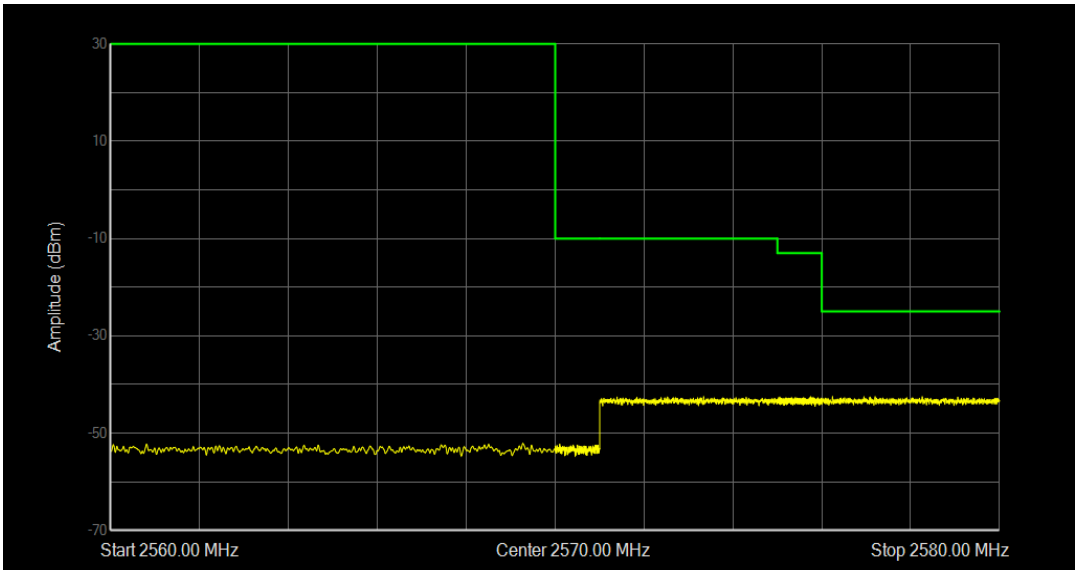
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.665	-52.09	-10
3	2571	2575	1000	2572.524	-42.6	-10
4	2575	2590	1000	2575.21	-42.56	-13
5	2590	2595	1000	2594.165	-42.47	-25

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



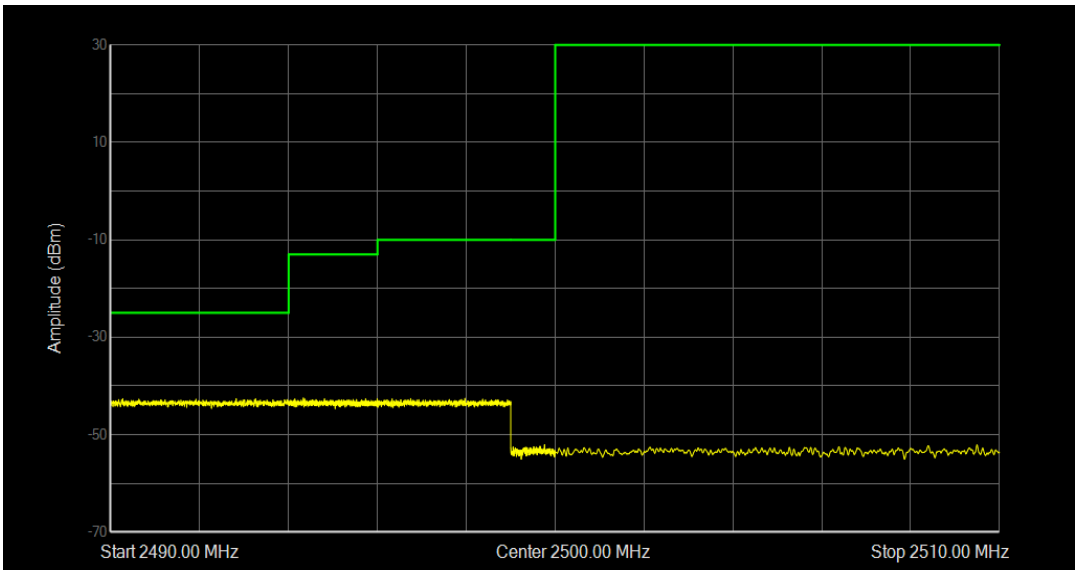
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2490	2494	1000	2491.152	-42.52	-25
2	2494	2496	1000	2495.848	-42.45	-13
3	2496	2499	1000	2497.491	-42.5	-10
4	2499	2500	100	2499.074	-52.21	-10

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



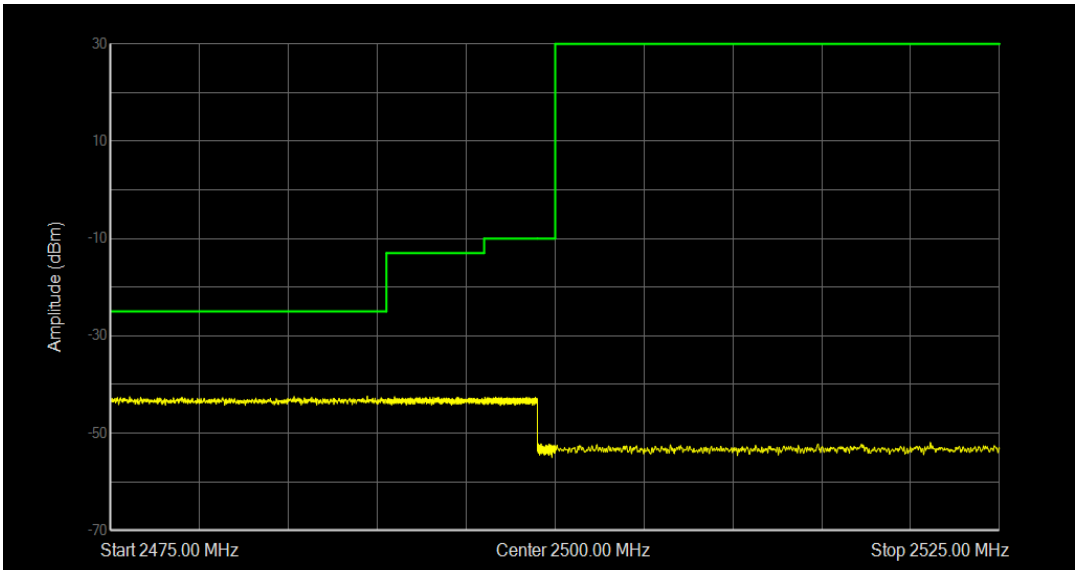
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.102	-52.29	-10
3	2571	2575	1000	2573.34	-42.5	-10
4	2575	2576	1000	2575.751	-42.51	-13
5	2576	2580	1000	2576.24	-42.48	-25

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



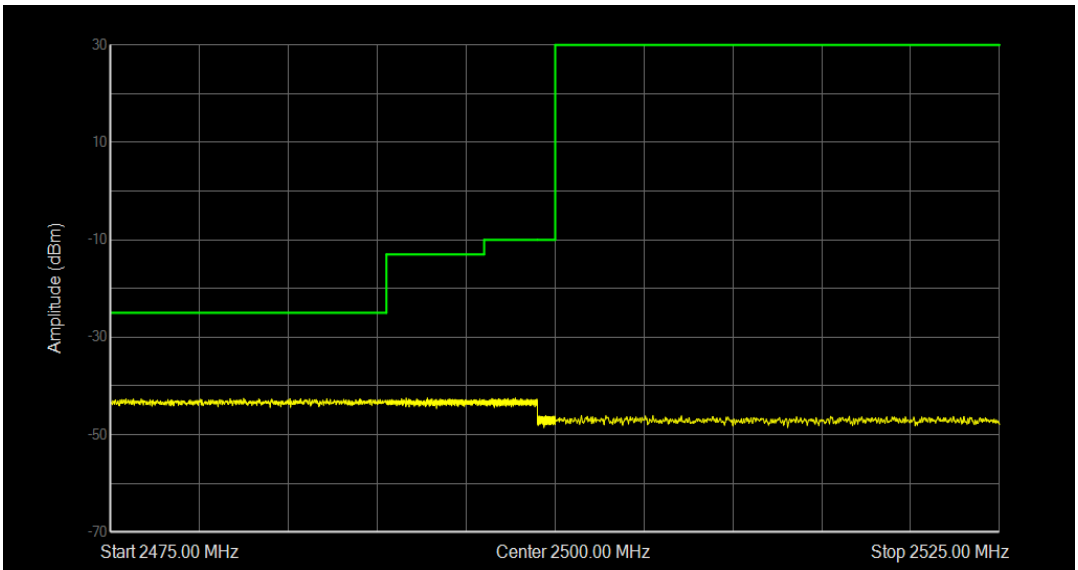
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2490	2494	1000	2492.82	-42.61	-25
2	2494	2496	1000	2494.332	-42.49	-13
3	2496	2499	1000	2497.968	-42.56	-10
4	2499	2500	100	2499.76	-52.09	-10

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



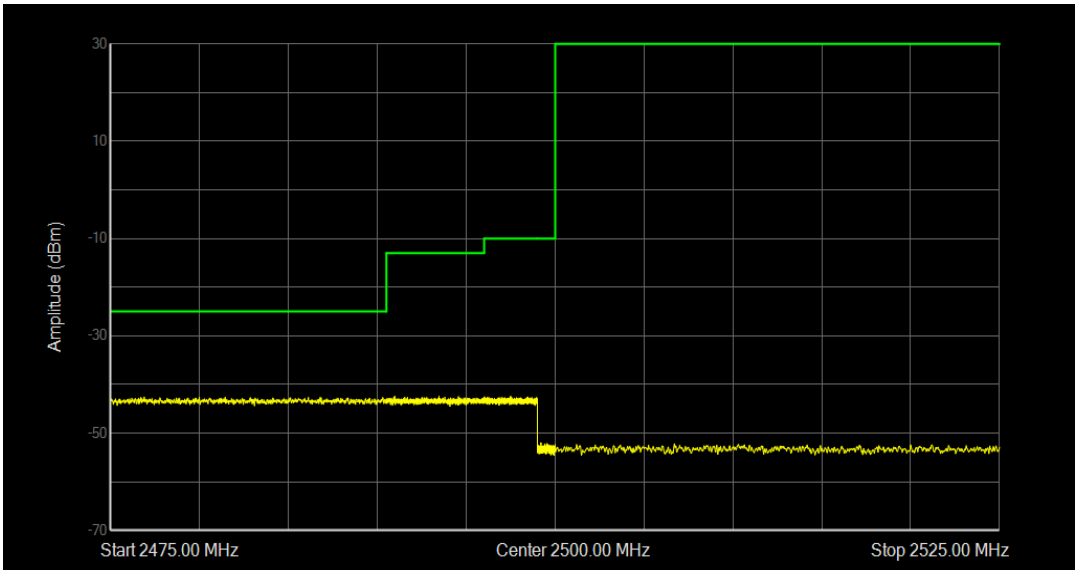
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490.5	1000	2489.4305	-42.39	-25
2	2490.5	2496	1000	2490.962	-42.52	-13
3	2496	2499	1000	2496.639	-42.58	-10
4	2499	2500	100	2499.039	-52.19	-10

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



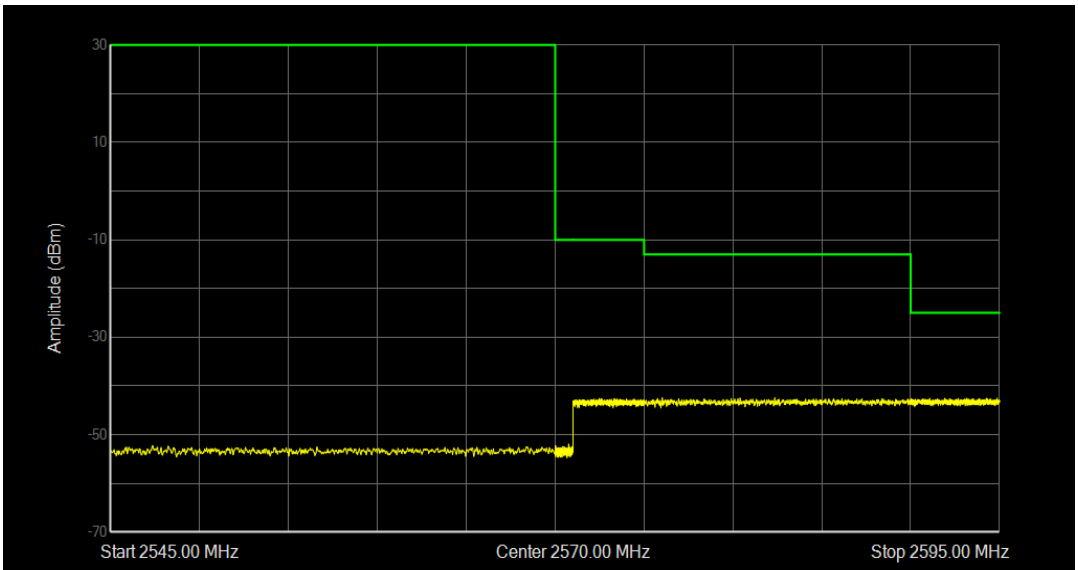
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490.5	1000	2482.471	-42.56	-25
2	2490.5	2496	1000	2492.8045	-42.48	-13
3	2496	2499	1000	2497.761	-42.49	-10
4	2499	2500	430	2499.466	-46.07	-10

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



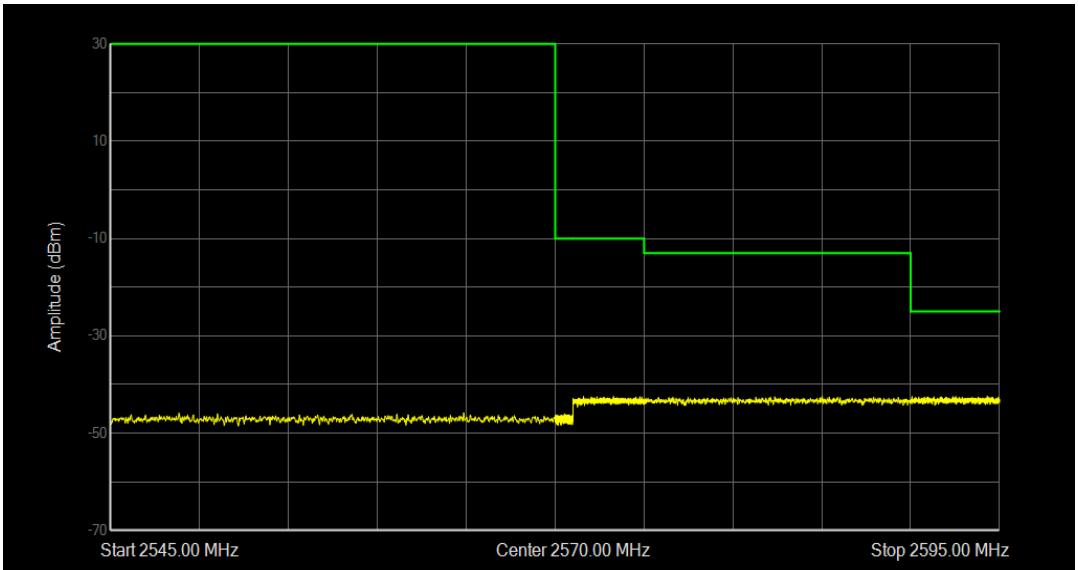
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2475	2490.5	1000	2476.8755	-42.59	-25
2	2490.5	2496	1000	2490.9675	-42.42	-13
3	2496	2499	1000	2497.491	-42.41	-10
4	2499	2500	100	2499.198	-52	-10

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



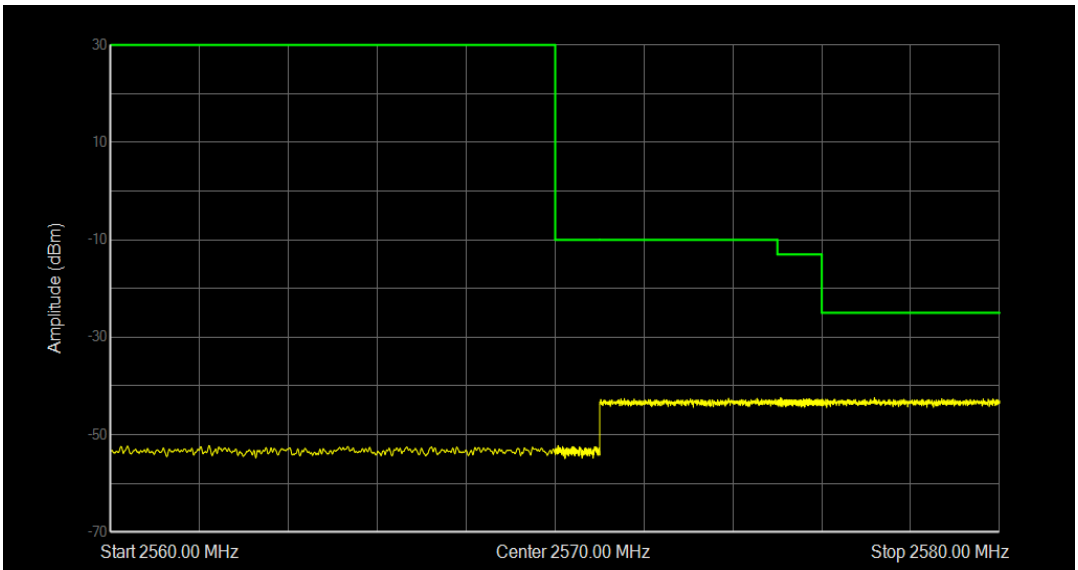
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.756	-51.94	-10
3	2571	2575	1000	2572.472	-42.56	-10
4	2575	2590	1000	2576.02	-42.43	-13
5	2590	2595	1000	2593.16	-42.53	-25

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



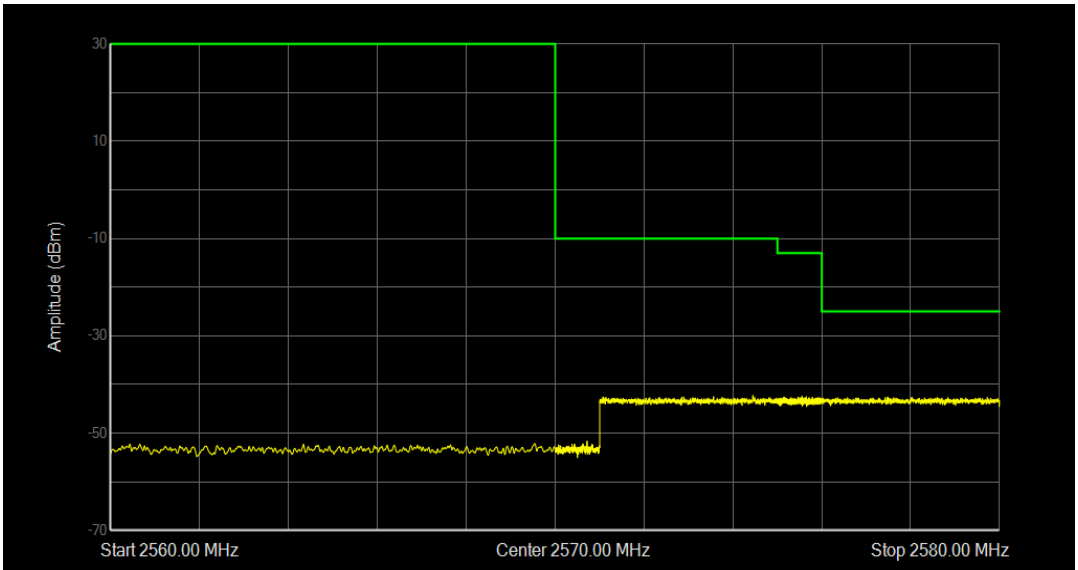
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	430	2570.52	-46.09	-10
3	2571	2575	1000	2573.28	-42.48	-10
4	2575	2590	1000	2585.02	-42.49	-13
5	2590	2595	1000	2594.305	-42.43	-25

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	2570.065	-52.24	-10
3	2571	2575	1000	2573.9	-42.55	-10
4	2575	2576	1000	2575.072	-42.43	-13
5	2576	2580	1000	2577.184	-42.4	-25

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

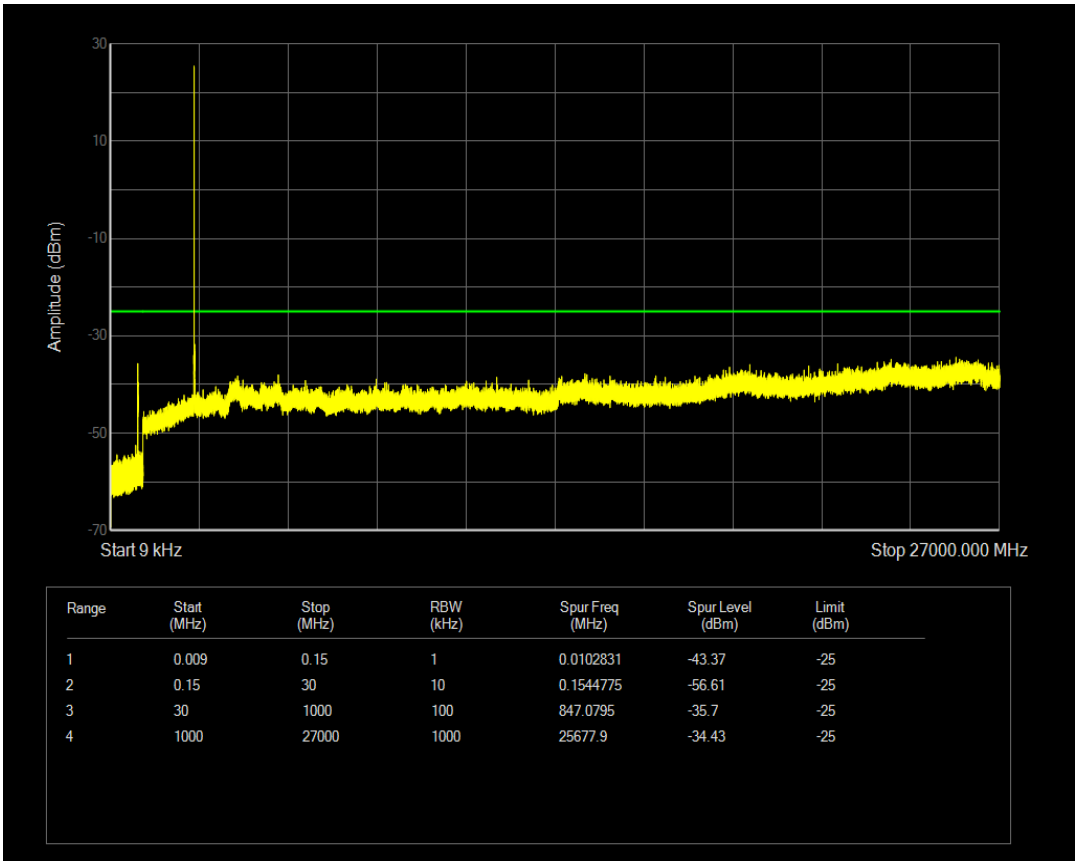


Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
2	2570	2571	100	2570.716	-51.67	-10
3	2571	2575	1000	2574.448	-42.26	-10
4	2575	2576	1000	2575.552	-42.46	-13
5	2576	2580	1000	2577.488	-42.62	-25

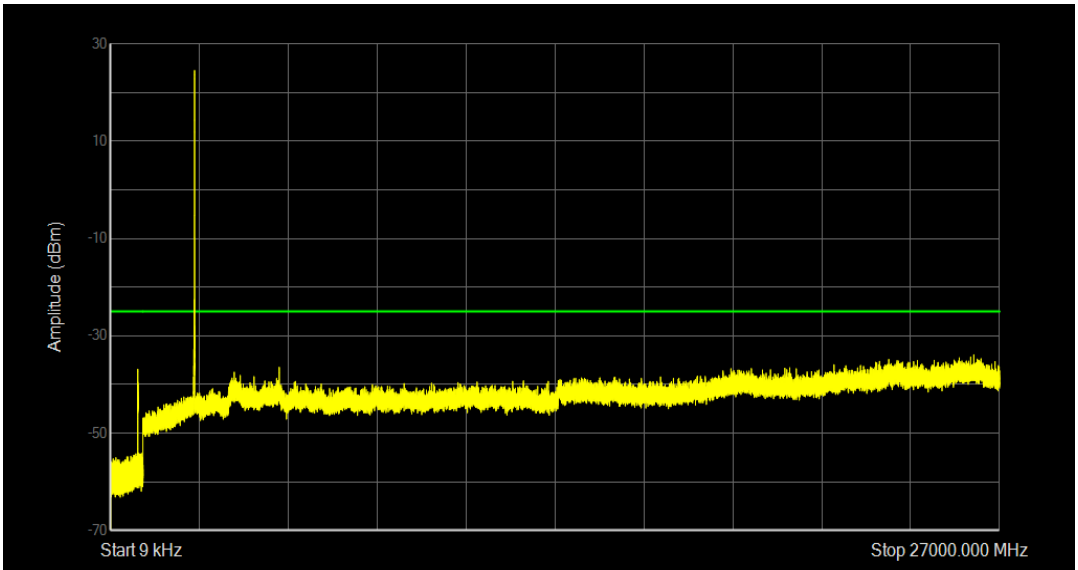
6 Out-of-band emissions for EN-DC

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	26323.35	-34.38	-25	PASS
n7	15	5	500500	1@0	CP_QPSK	26494.95	-33.32	-25	PASS
n7	15	5	500500	1@24	CP_QPSK	26426.70	-33.91	-25	PASS
n7	15	5	513500	25@0	CP_QPSK	26173.20	-33.27	-25	PASS
n7	15	5	513500	1@0	CP_QPSK	24938.20	-34.46	-25	PASS
n7	15	5	513500	1@24	CP_QPSK	25303.50	-33.78	-25	PASS
n7	15	15	501500	79@0	CP_QPSK	26354.55	-34.16	-25	PASS
n7	15	15	501500	1@0	CP_QPSK	25228.10	-34.45	-25	PASS
n7	15	15	501500	1@78	CP_QPSK	23976.85	-33.61	-25	PASS
n7	15	15	512500	79@0	CP_QPSK	23862.45	-33.76	-25	PASS
n7	15	15	512500	1@0	CP_QPSK	25677.90	-34.43	-25	PASS
n7	15	15	512500	1@78	CP_QPSK	26217.40	-33.88	-25	PASS
n7	15	20	502000	106@0	CP_QPSK	25794.90	-32.87	-25	PASS
n7	15	20	502000	1@0	CP_QPSK	24069.80	-33.02	-25	PASS
n7	15	20	502000	1@105	CP_QPSK	26141.35	-34.40	-25	PASS
n7	15	20	512000	106@0	CP_QPSK	26145.25	-34.10	-25	PASS
n7	15	20	512000	1@0	CP_QPSK	26312.30	-33.91	-25	PASS
n7	15	20	512000	1@105	CP_QPSK	26494.95	-33.84	-25	PASS

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

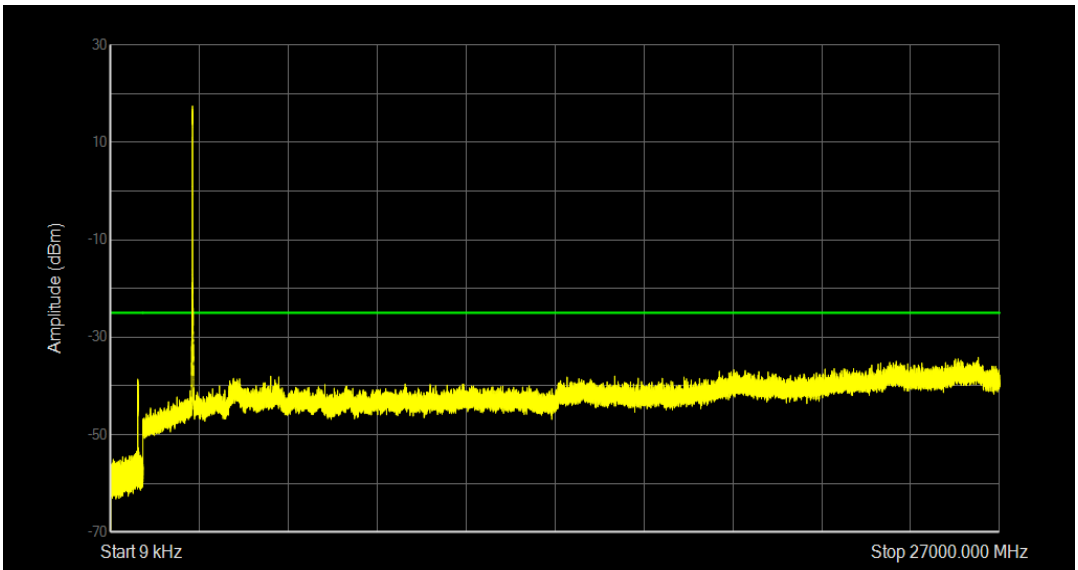


n7 SCS=15kHz CP_QPSK BW=15MHz Channel=512500 RB=1@78



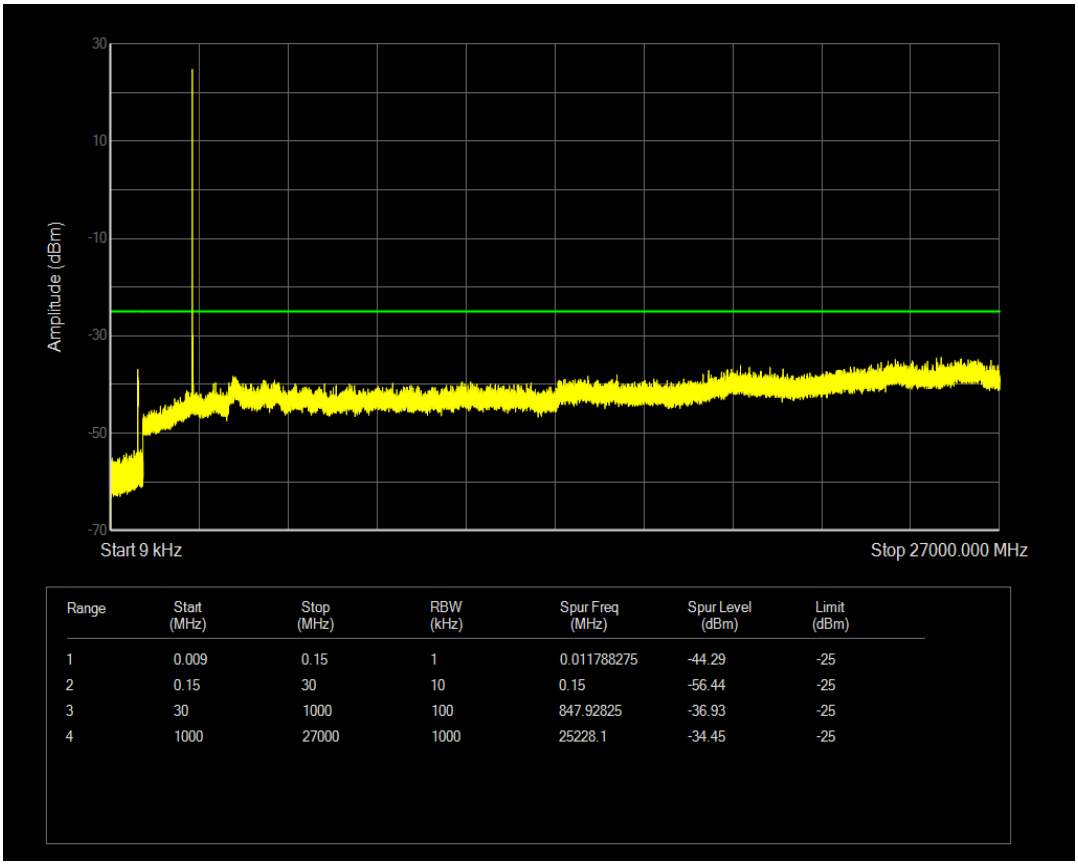
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0125814	-43.57	-25
2	0.15	30	10	0.1753725	-55.22	-25
3	30	1000	100	847.92825	-36.87	-25
4	1000	27000	1000	26217.4	-33.88	-25

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



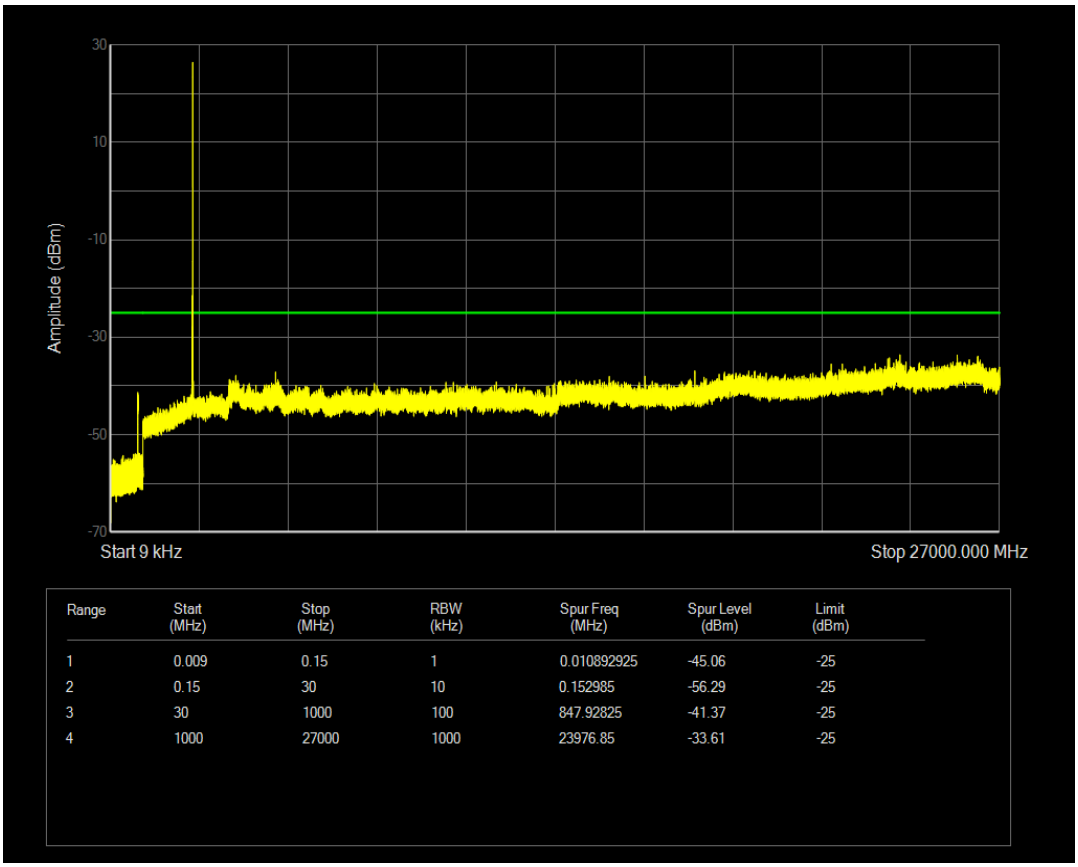
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-45.01	-25
2	0.15	30	10	0.15373125	-55.22	-25
3	30	1000	100	848.21925	-38.65	-25
4	1000	27000	1000	26354.55	-34.16	-25

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



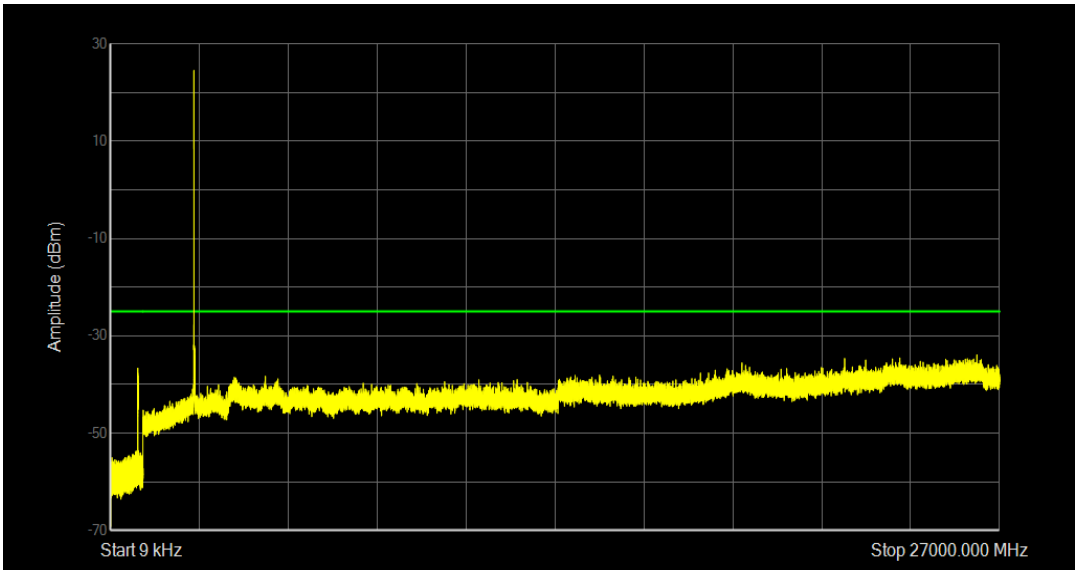
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011788275	-44.29	-25
2	0.15	30	10	0.15	-56.44	-25
3	30	1000	100	847.92825	-36.93	-25
4	1000	27000	1000	25228.1	-34.45	-25

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



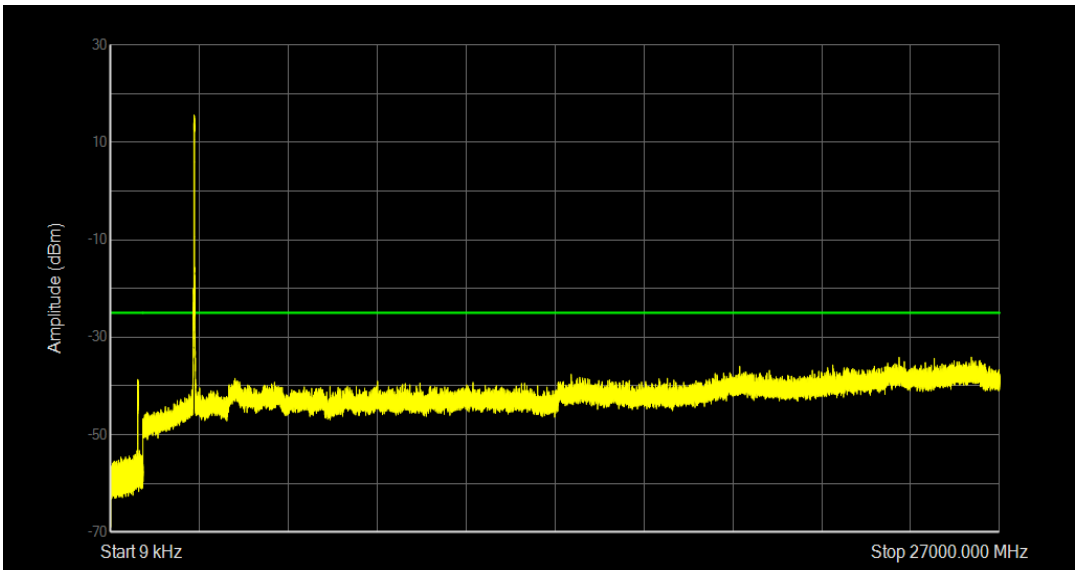
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010892925	-45.06	-25
2	0.15	30	10	0.152985	-56.29	-25
3	30	1000	100	847.92825	-41.37	-25
4	1000	27000	1000	23976.85	-33.61	-25

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



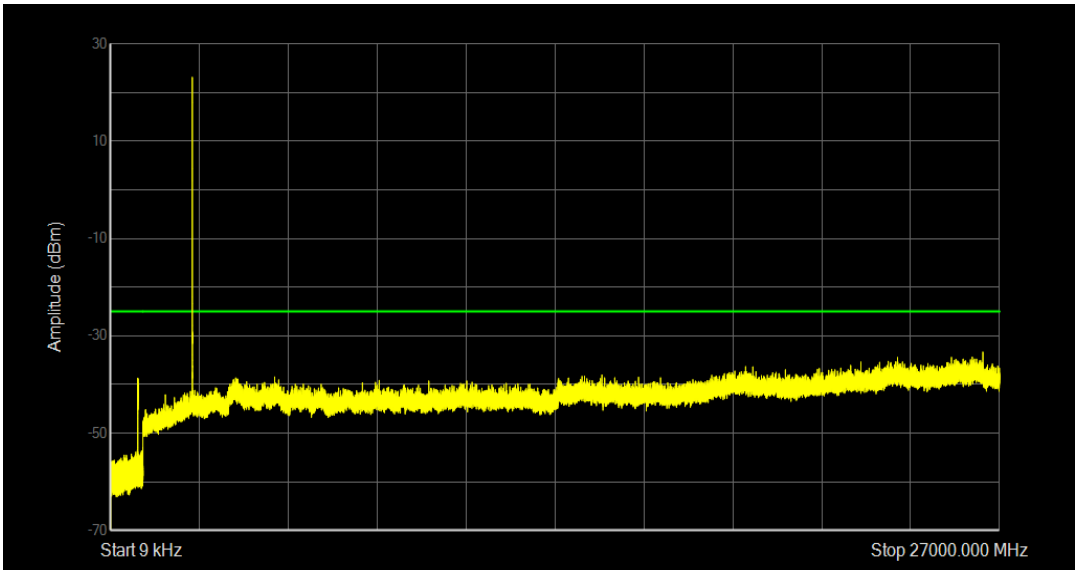
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01140405	-43.91	-25
2	0.15	30	10	0.1574625	-56.37	-25
3	30	1000	100	847.9525	-36.66	-25
4	1000	27000	1000	26312.3	-33.91	-25

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



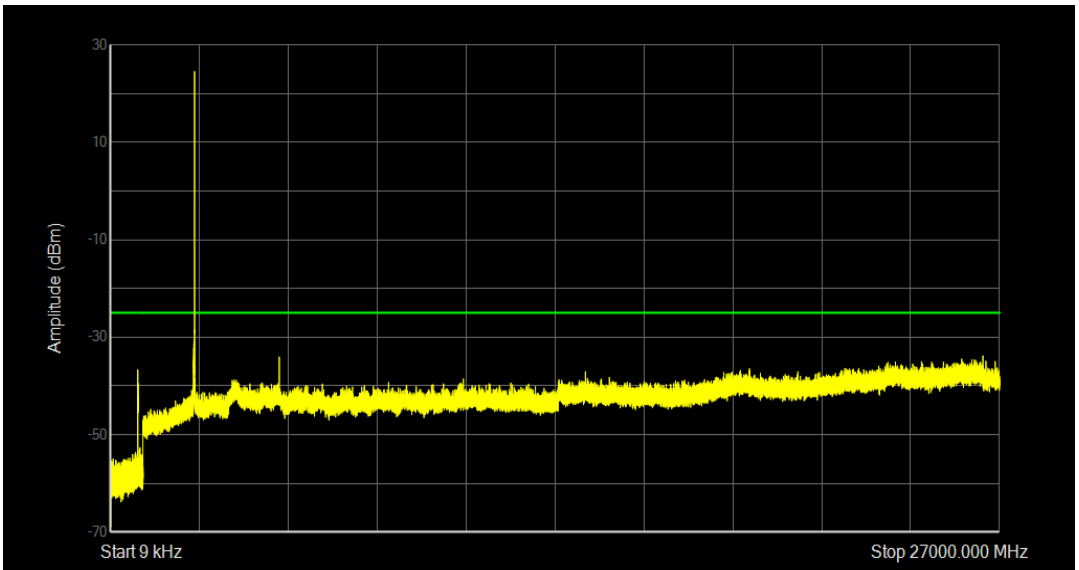
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009229125	-44.22	-25
2	0.15	30	10	0.1574625	-56.25	-25
3	30	1000	100	848.07375	-38.69	-25
4	1000	27000	1000	26145.25	-34.1	-25

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



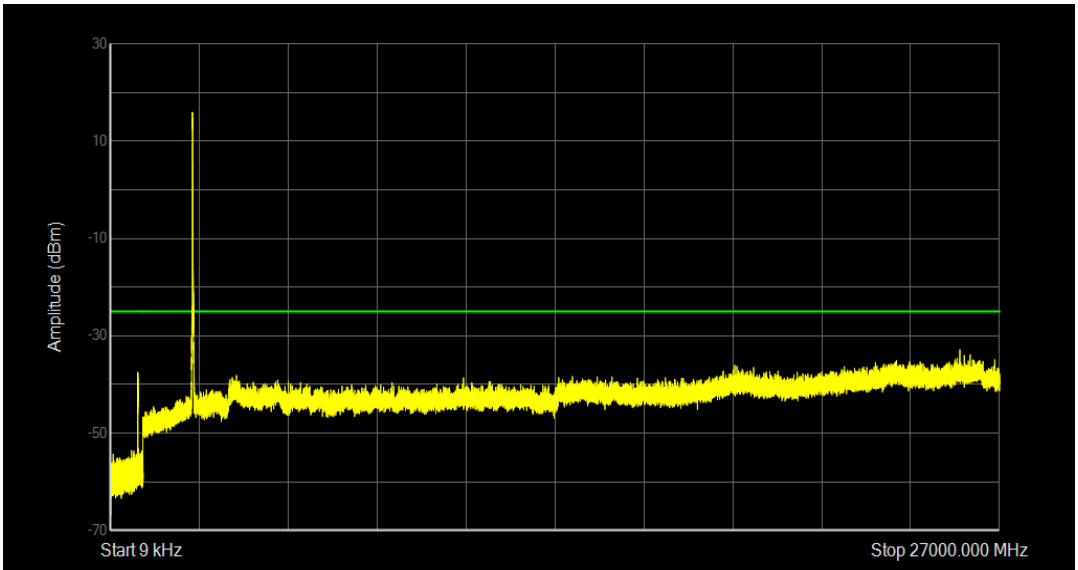
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00968385	-45.49	-25
2	0.15	30	10	0.16865625	-55.68	-25
3	30	1000	100	847.6615	-38.7	-25
4	1000	27000	1000	26494.95	-33.32	-25

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



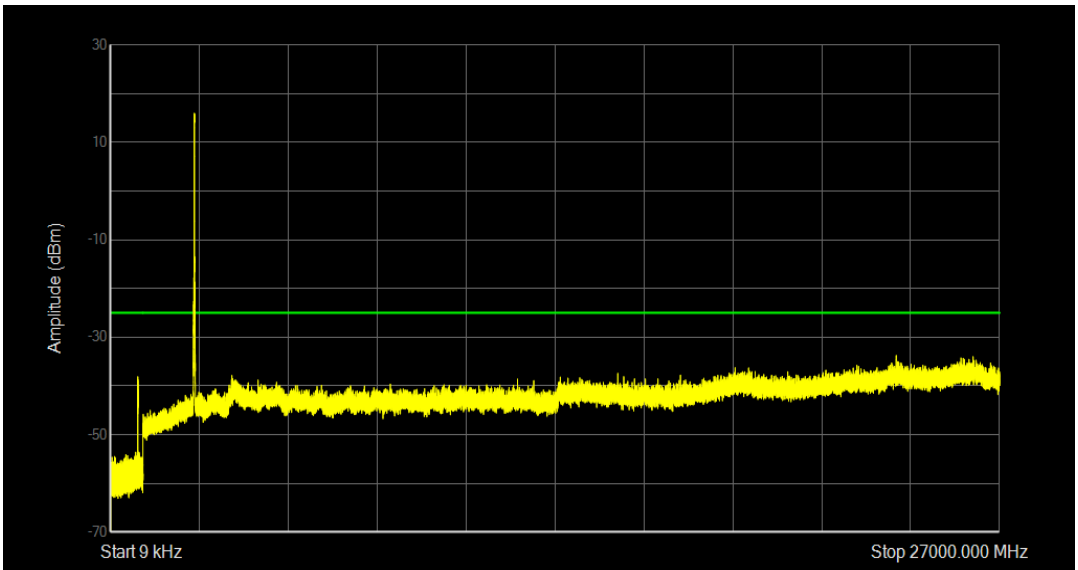
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0102267	-43.44	-25
2	0.15	30	10	0.15	-55.66	-25
3	30	1000	100	848.001	-36.71	-25
4	1000	27000	1000	26494.95	-33.84	-25

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



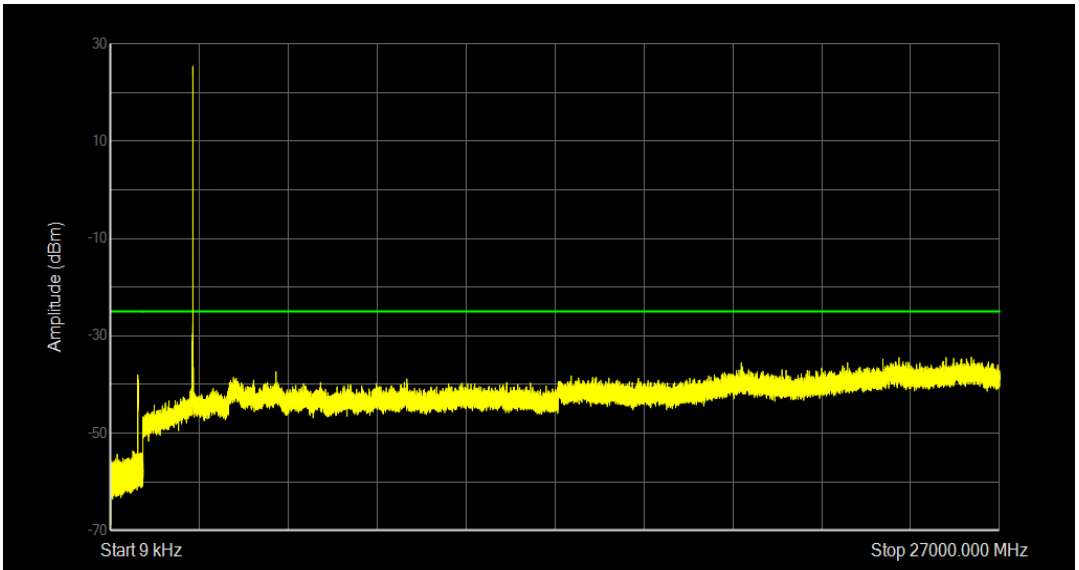
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0093102	-44.74	-25
2	0.15	30	10	0.15820875	-55.52	-25
3	30	1000	100	847.2735	-37.5	-25
4	1000	27000	1000	25794.9	-32.87	-25

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



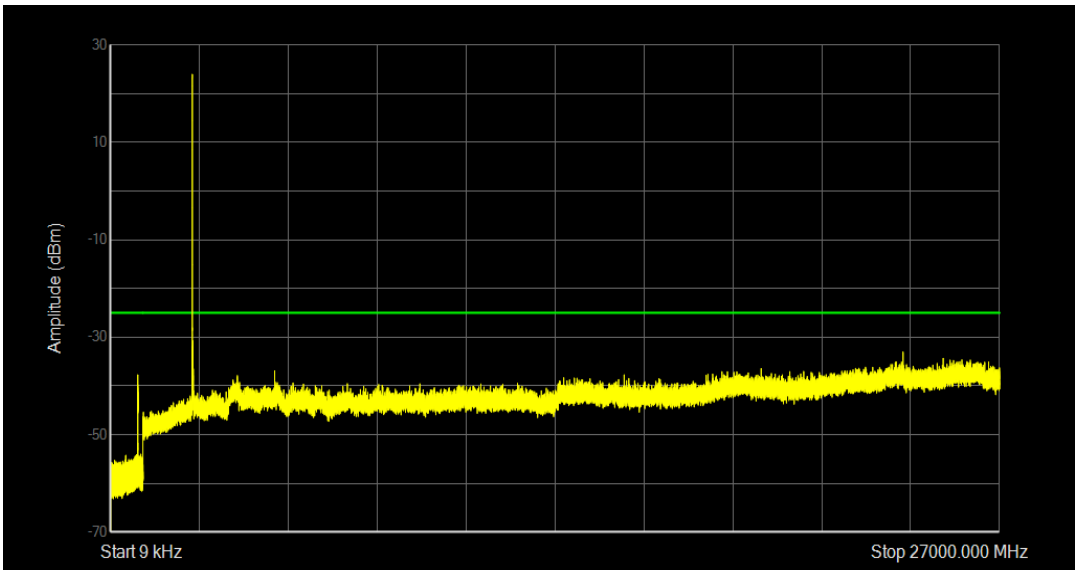
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011654325	-45.08	-25
2	0.15	30	10	0.15522375	-55.4	-25
3	30	1000	100	847.58875	-38.13	-25
4	1000	27000	1000	23862.45	-33.76	-25

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



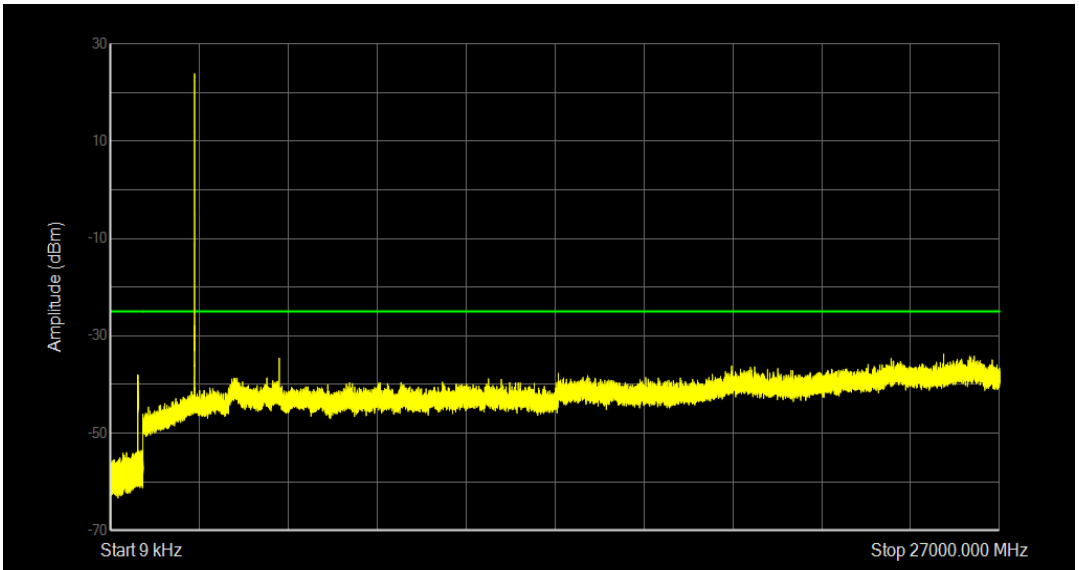
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01234875	-45.64	-25
2	0.15	30	10	0.15	-54.57	-25
3	30	1000	100	846.546	-38.06	-25
4	1000	27000	1000	26141.35	-34.4	-25

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



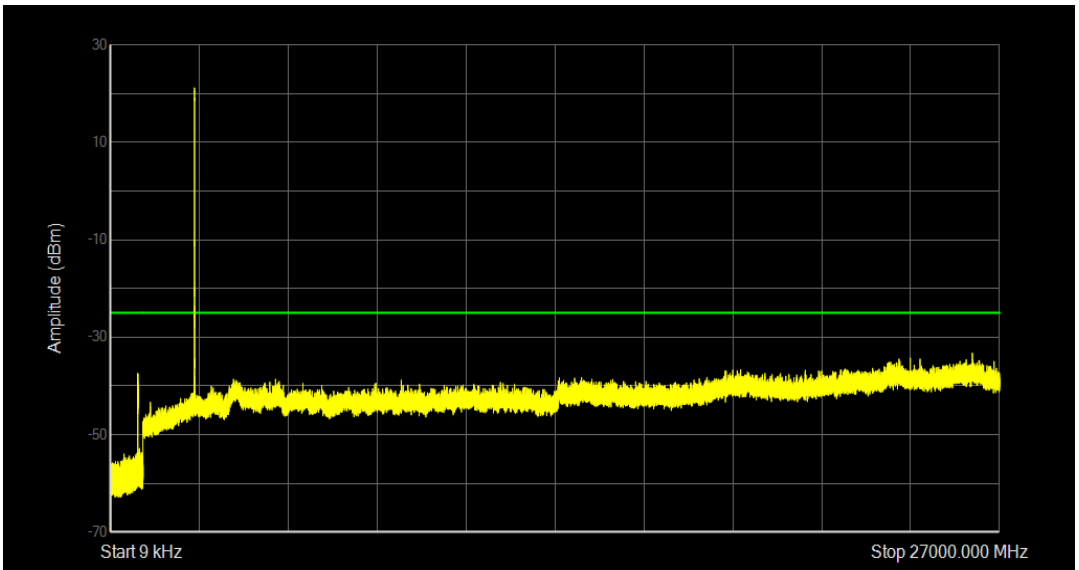
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00920445	-45.4	-25
2	0.15	30	10	0.15	-56.73	-25
3	30	1000	100	847.92825	-37.74	-25
4	1000	27000	1000	24069.8	-33.02	-25

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



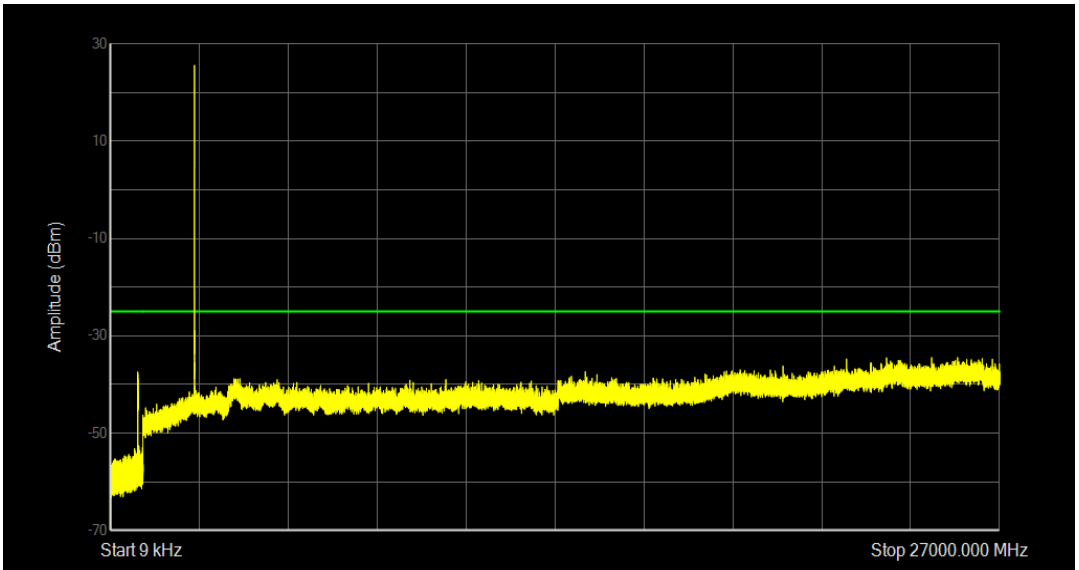
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.014777475	-44.32	-25
2	0.15	30	10	0.1544775	-56.04	-25
3	30	1000	100	846.7885	-38.03	-25
4	1000	27000	1000	25303.5	-33.78	-25

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



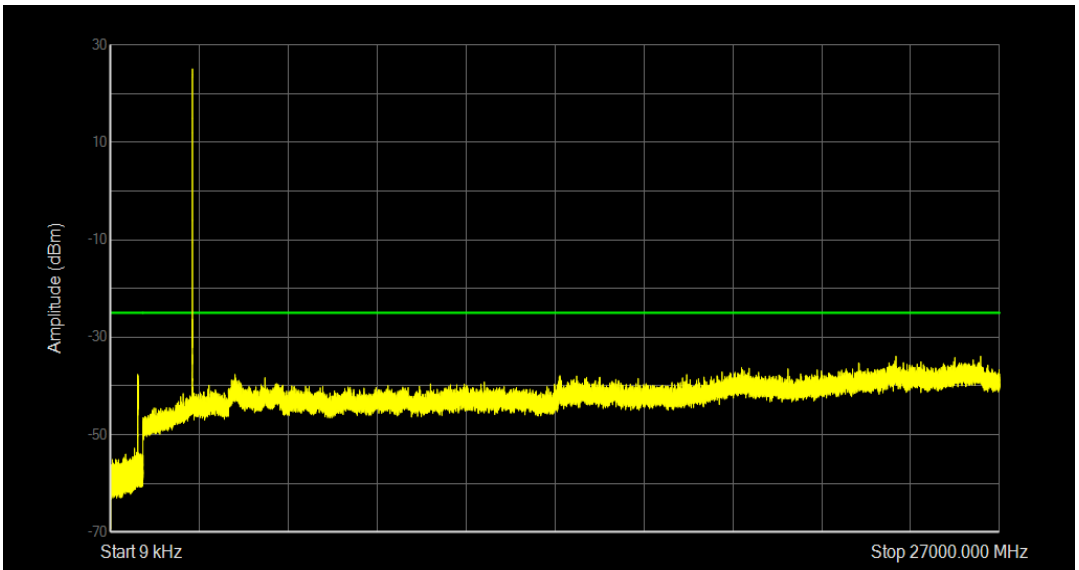
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009059925	-43.29	-25
2	0.15	30	10	0.15074625	-55.08	-25
3	30	1000	100	846.4005	-37.46	-25
4	1000	27000	1000	26173.2	-33.27	-25

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



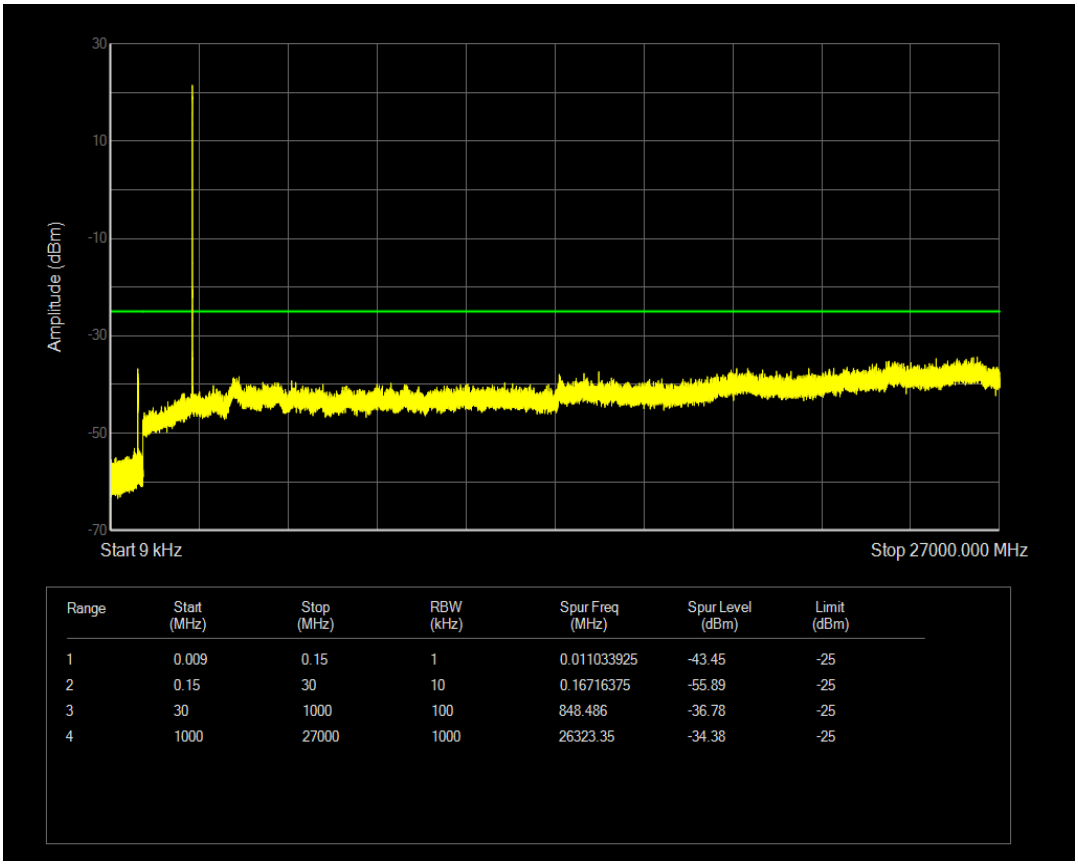
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010385325	-44.53	-25
2	0.15	30	10	0.17761125	-56.26	-25
3	30	1000	100	846.81275	-37.46	-25
4	1000	27000	1000	24938.2	-34.46	-25

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	0.009497025	-45.32	-25
2	0.15	30	10	0.16119375	-54.48	-25
3	30	1000	100	846.449	-37.67	-25
4	1000	27000	1000	26426.7	-33.91	-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	0.011033925	-43.45	-25
2	0.15	30	10	0.16716375	-55.89	-25
3	30	1000	100	848.486	-36.78	-25
4	1000	27000	1000	26323.35	-34.38	-25