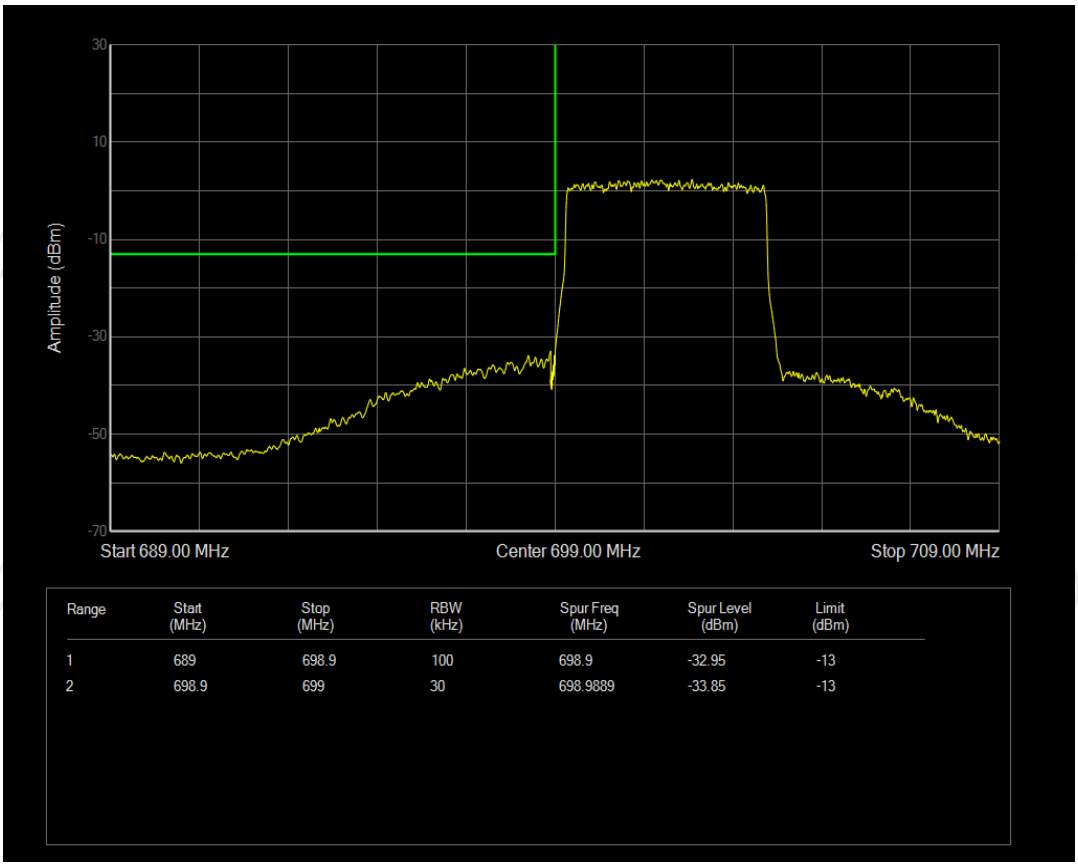
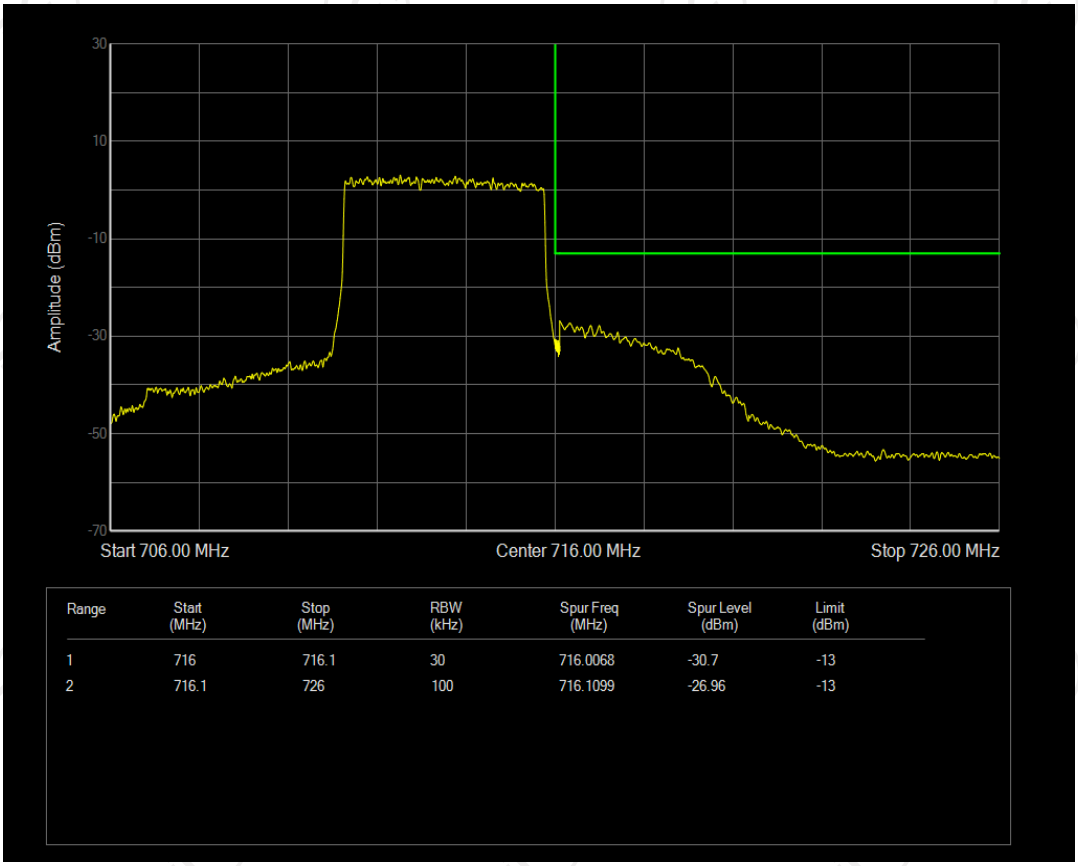


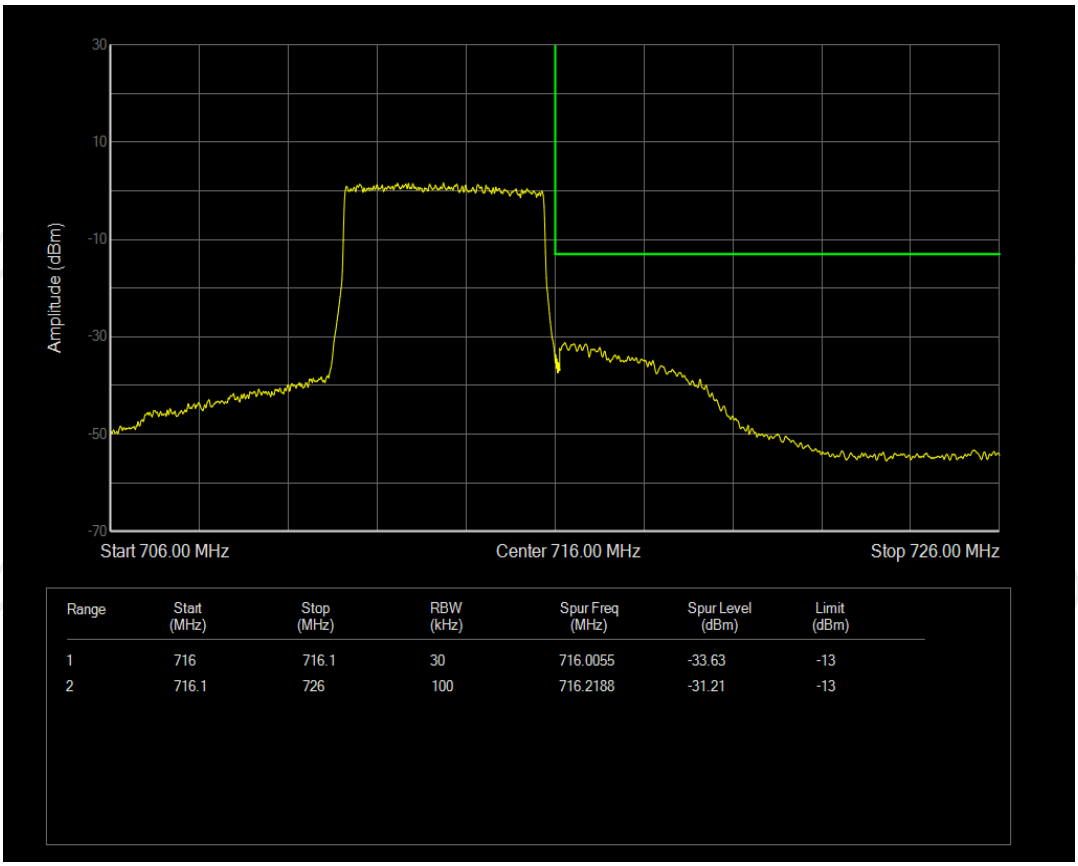
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	689	698.9	100	698.9	-32.95	-13
2	698.9	699	30	698.9889	-33.85	-13

Band12 QPSK BW=5MHz Channel=23155 RB Size=25 Position=#0



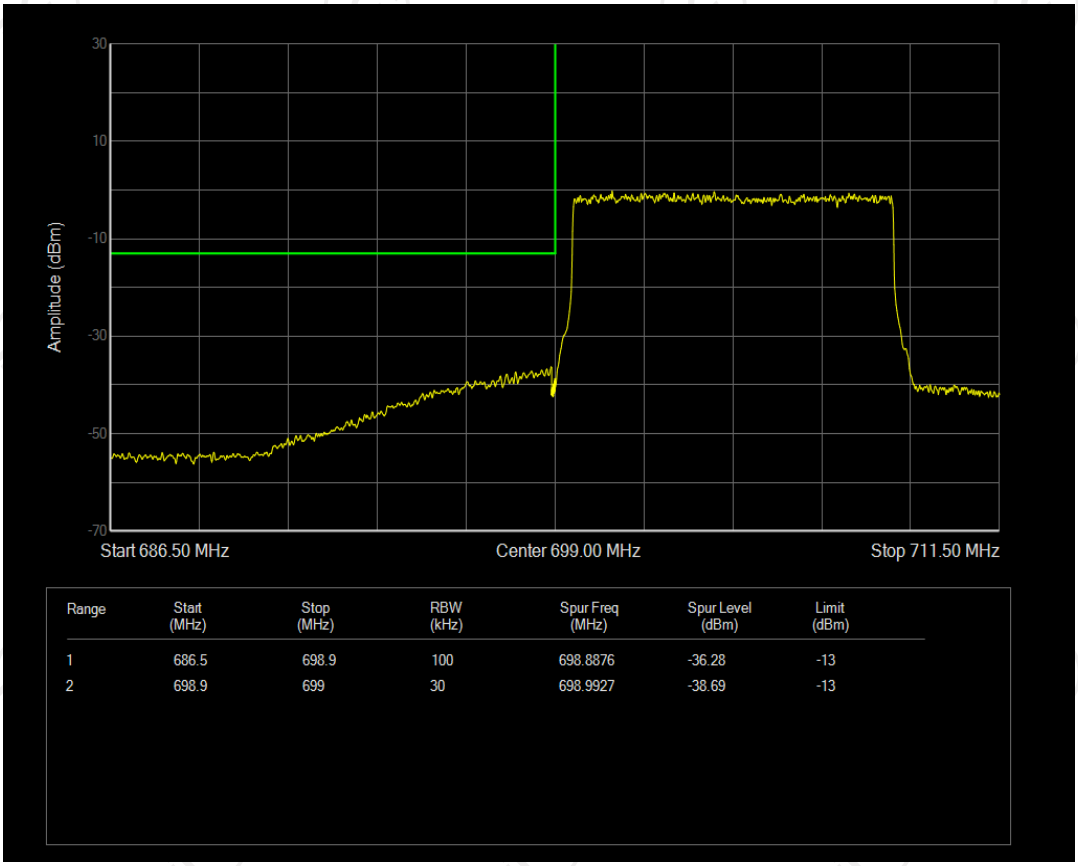
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0068	-30.7	-13
2	716.1	726	100	716.1099	-26.96	-13

Band12 16QAM BW=5MHz Channel=23155 RB Size=25 Position=#0



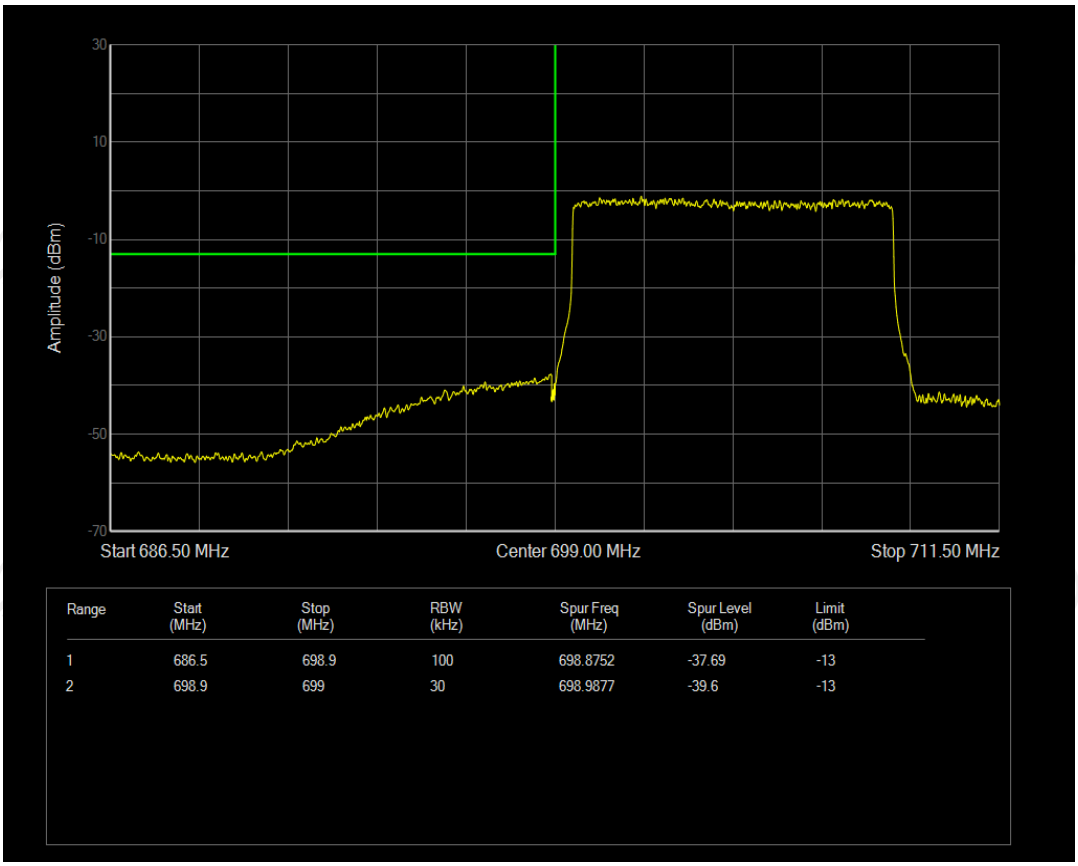
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0055	-33.63	-13
2	716.1	726	100	716.2188	-31.21	-13

Band12 QPSK BW=10MHz Channel=23060 RB Size=50 Position=#0



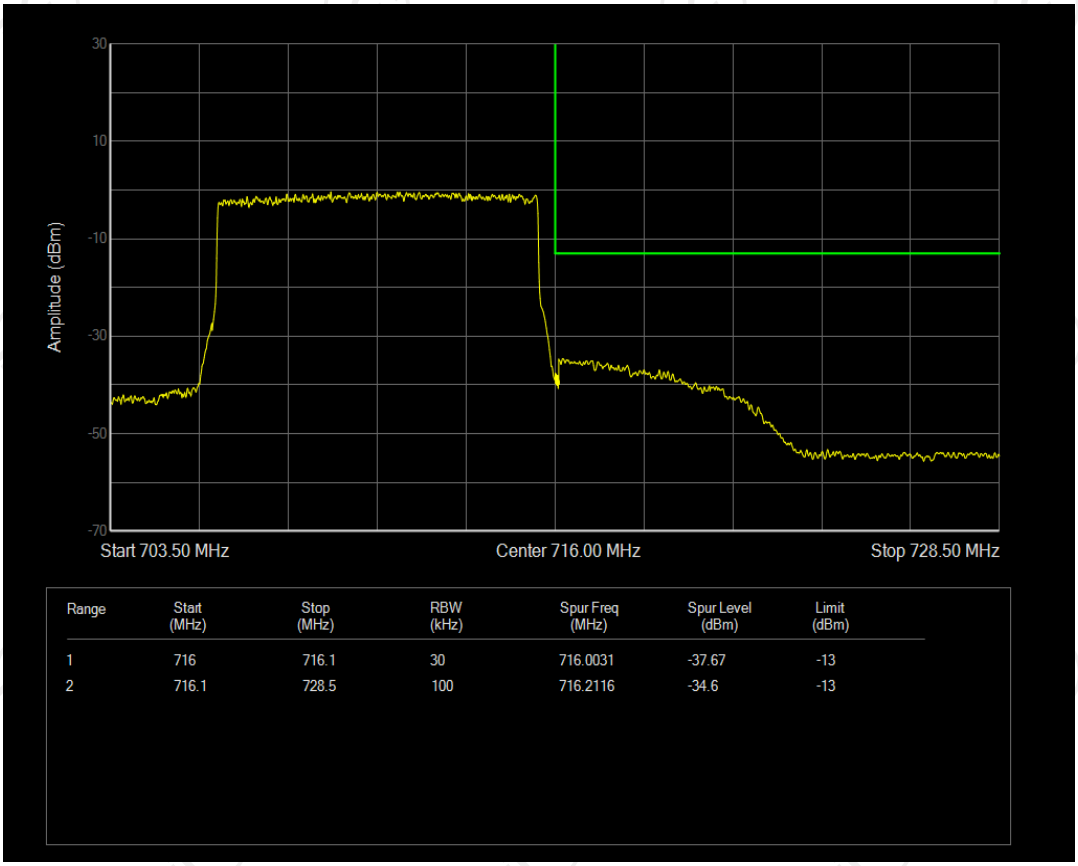
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	686.5	698.9	100	698.8876	-36.28	-13
2	698.9	699	30	698.9927	-38.69	-13

Band12 16QAM BW=10MHz Channel=23060 RB Size=50 Position=#0



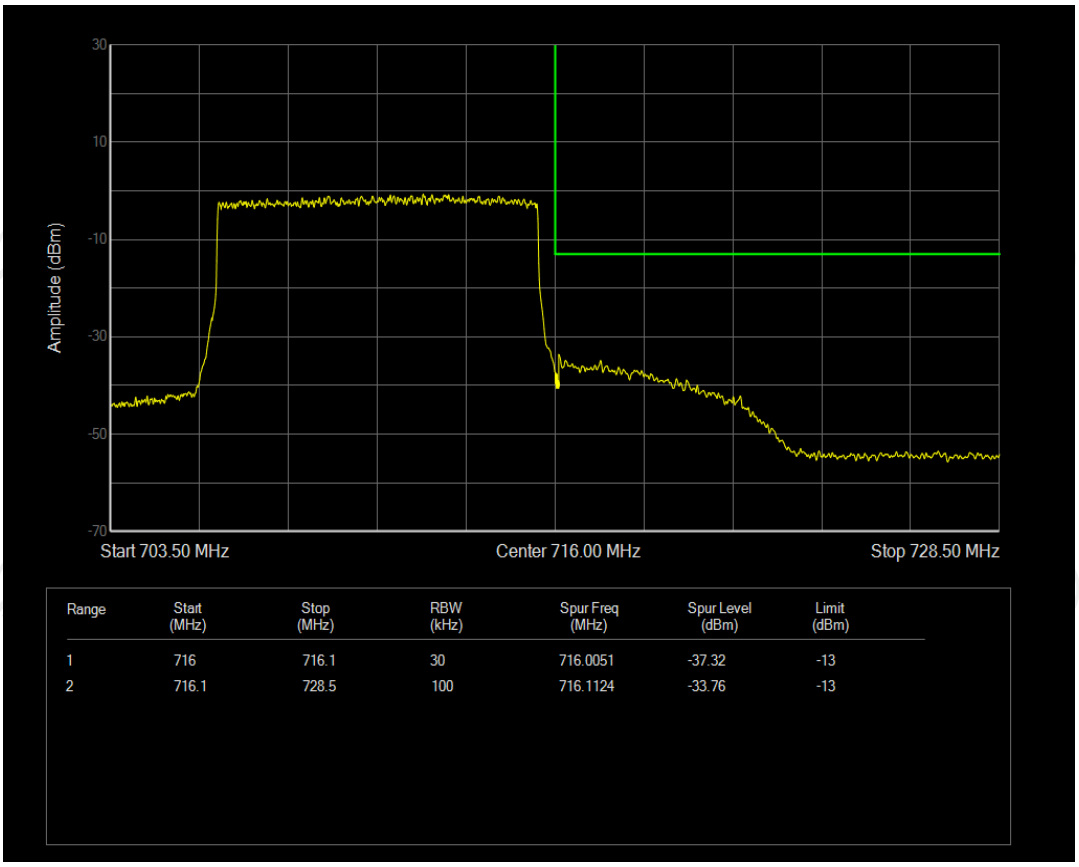
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	686.5	698.9	100	698.8752	-37.69	-13
2	698.9	699	30	698.9877	-39.6	-13

Band12 QPSK BW=10MHz Channel=23130 RB Size=50 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	716	716.1	30	716.0031	-37.67	-13
2	716.1	728.5	100	716.2116	-34.6	-13

Band12 16QAM BW=10MHz Channel=23130 RB Size=50 Position=#0

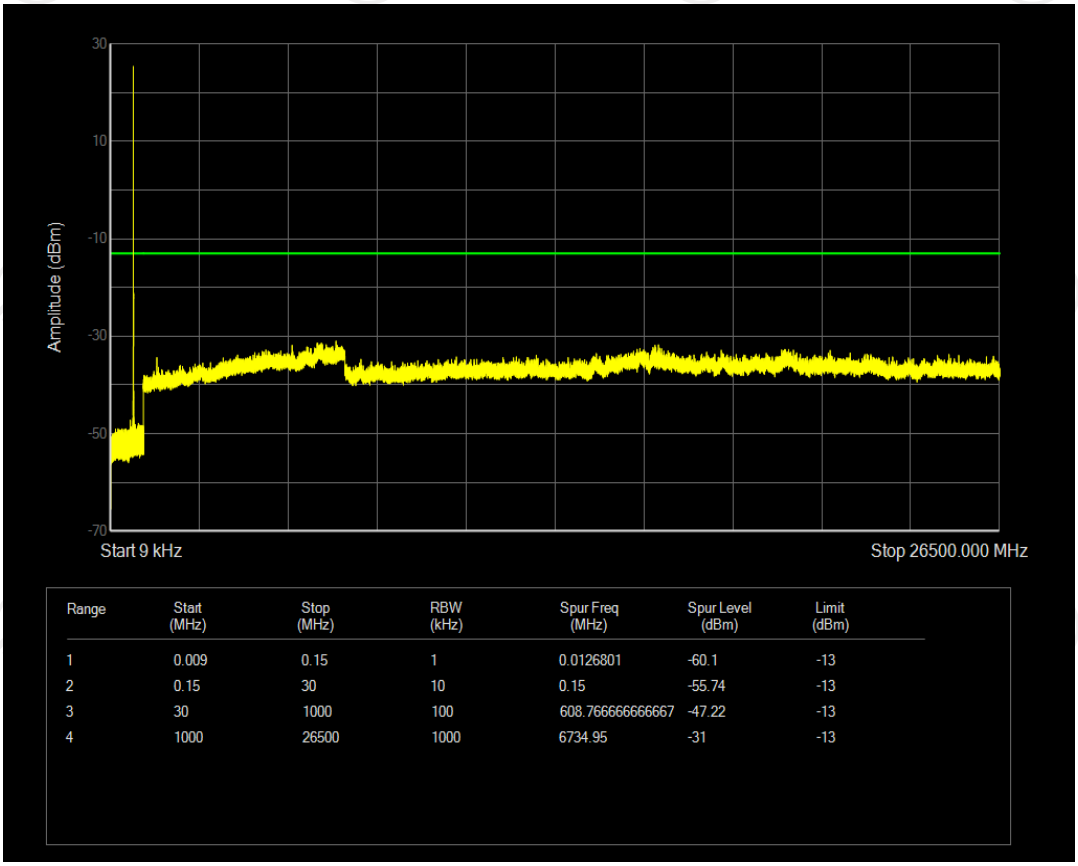


6 Out-of-band emissions

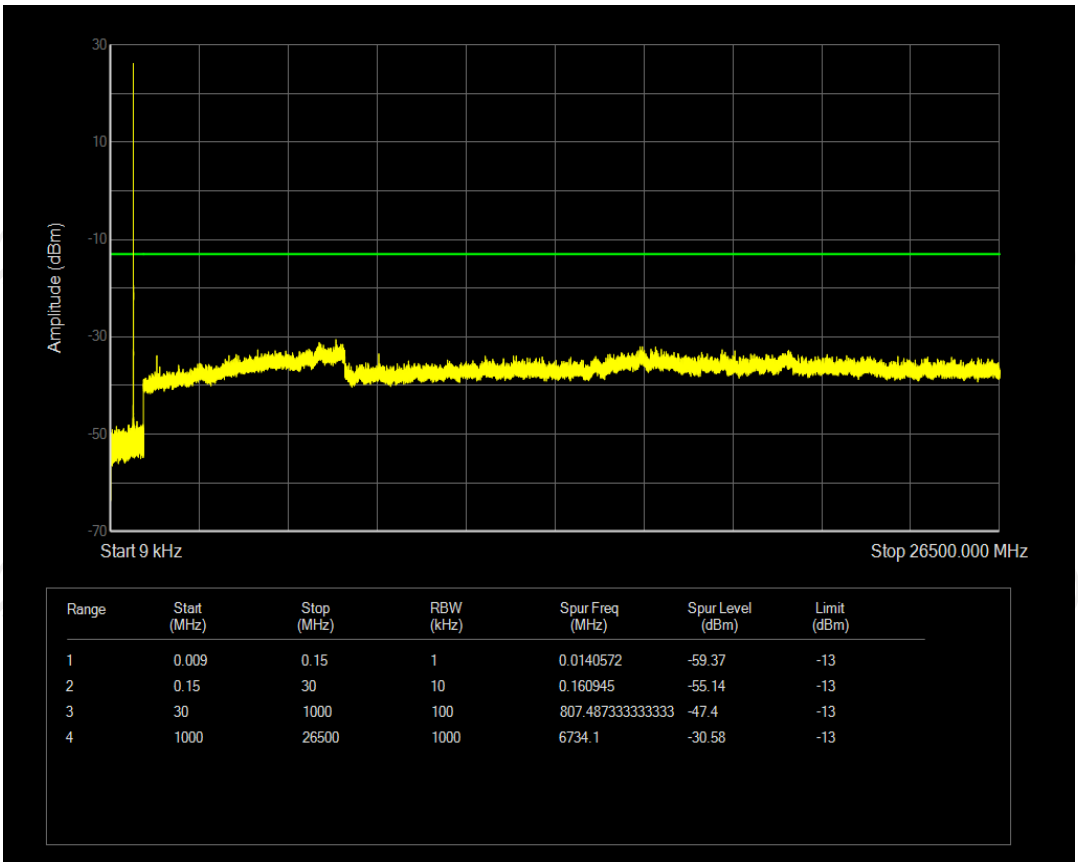
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band12	1.4	23017	1	#0	QPSK	6734.95	-31.00	-13	PASS
Band12	1.4	23017	1	#0	16QAM	6734.10	-30.58	-13	PASS
Band12	1.4	23095	1	#0	QPSK	6258.10	-31.07	-13	PASS
Band12	1.4	23095	1	#0	16QAM	6276.80	-31.25	-13	PASS
Band12	1.4	23173	1	#0	QPSK	6967.85	-30.95	-13	PASS
Band12	1.4	23173	1	#0	16QAM	5890.90	-31.43	-13	PASS
Band12	3	23025	1	#0	QPSK	6967.00	-30.32	-13	PASS
Band12	3	23025	1	#0	16QAM	6852.25	-31.02	-13	PASS
Band12	3	23095	1	#0	QPSK	6827.60	-31.05	-13	PASS
Band12	3	23095	1	#0	16QAM	6183.30	-31.07	-13	PASS
Band12	3	23165	1	#0	QPSK	6891.35	-30.84	-13	PASS
Band12	3	23165	1	#0	16QAM	6211.35	-31.10	-13	PASS
Band12	5	23035	1	#0	QPSK	6812.30	-30.65	-13	PASS
Band12	5	23035	1	#0	16QAM	6320.15	-30.63	-13	PASS
Band12	5	23095	1	#0	QPSK	6783.40	-31.20	-13	PASS
Band12	5	23095	1	#0	16QAM	6948.30	-30.99	-13	PASS
Band12	5	23155	1	#0	QPSK	6715.40	-31.04	-13	PASS
Band12	5	23155	1	#0	16QAM	5850.95	-31.02	-13	PASS
Band12	10	23060	1	#0	QPSK	6228.35	-31.18	-13	PASS

Band12	10	23060	1	#0	16QAM	6908.35	-30.99	-13	PASS
Band12	10	23095	1	#0	QPSK	6230.90	-29.53	-13	PASS
Band12	10	23095	1	#0	16QAM	6237.70	-30.68	-13	PASS
Band12	10	23130	1	#0	QPSK	6951.70	-30.55	-13	PASS
Band12	10	23130	1	#0	16QAM	6261.50	-30.91	-13	PASS

Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0

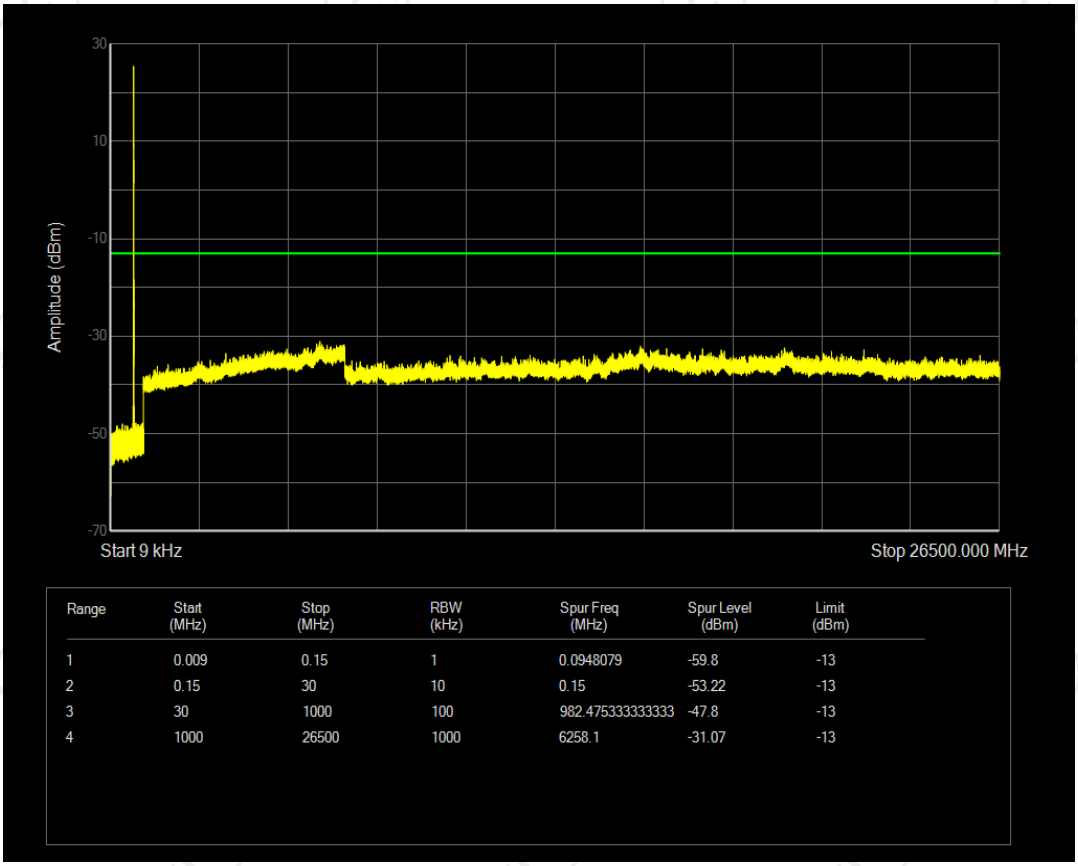


Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0



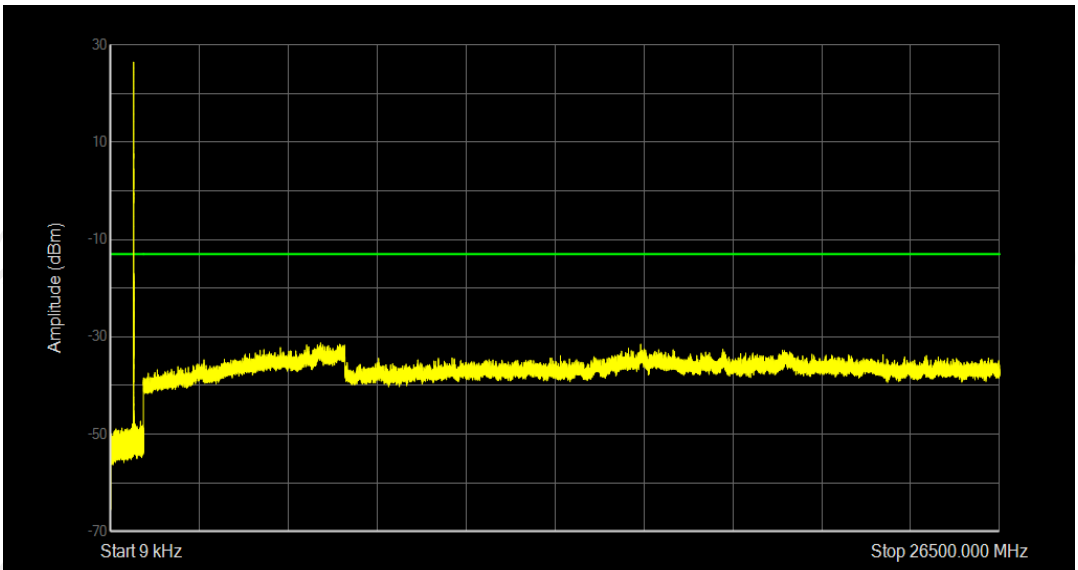
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0140572	-59.37	-13
2	0.15	30	10	0.160945	-55.14	-13
3	30	1000	100	807.487333333333	-47.4	-13
4	1000	26500	1000	6734.1	-30.58	-13

Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



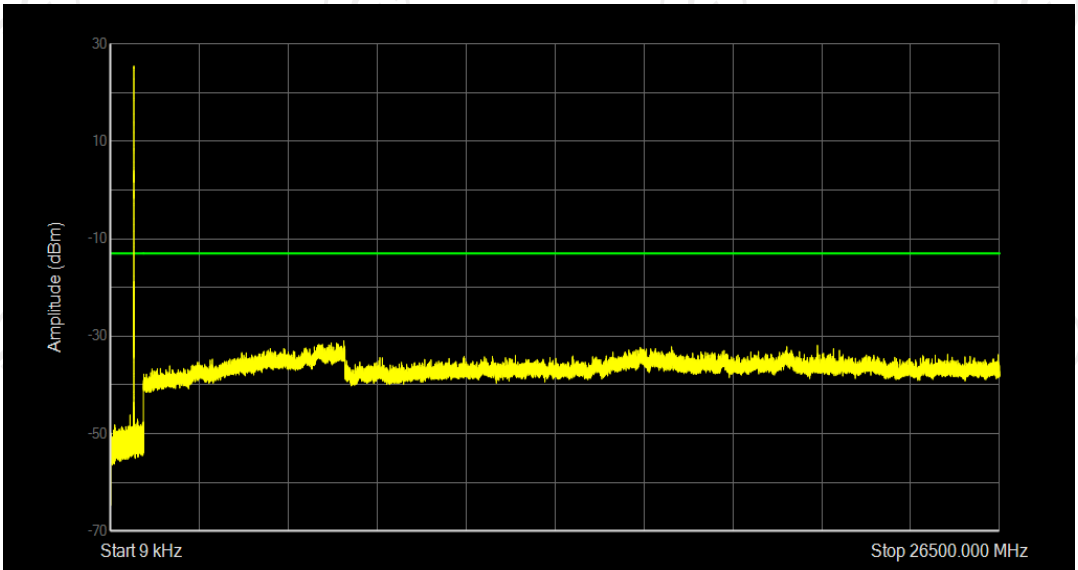
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0948079	-59.8	-13
2	0.15	30	10	0.15	-53.22	-13
3	30	1000	100	982.475333333333	-47.8	-13
4	1000	26500	1000	6258.1	-31.07	-13

Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0



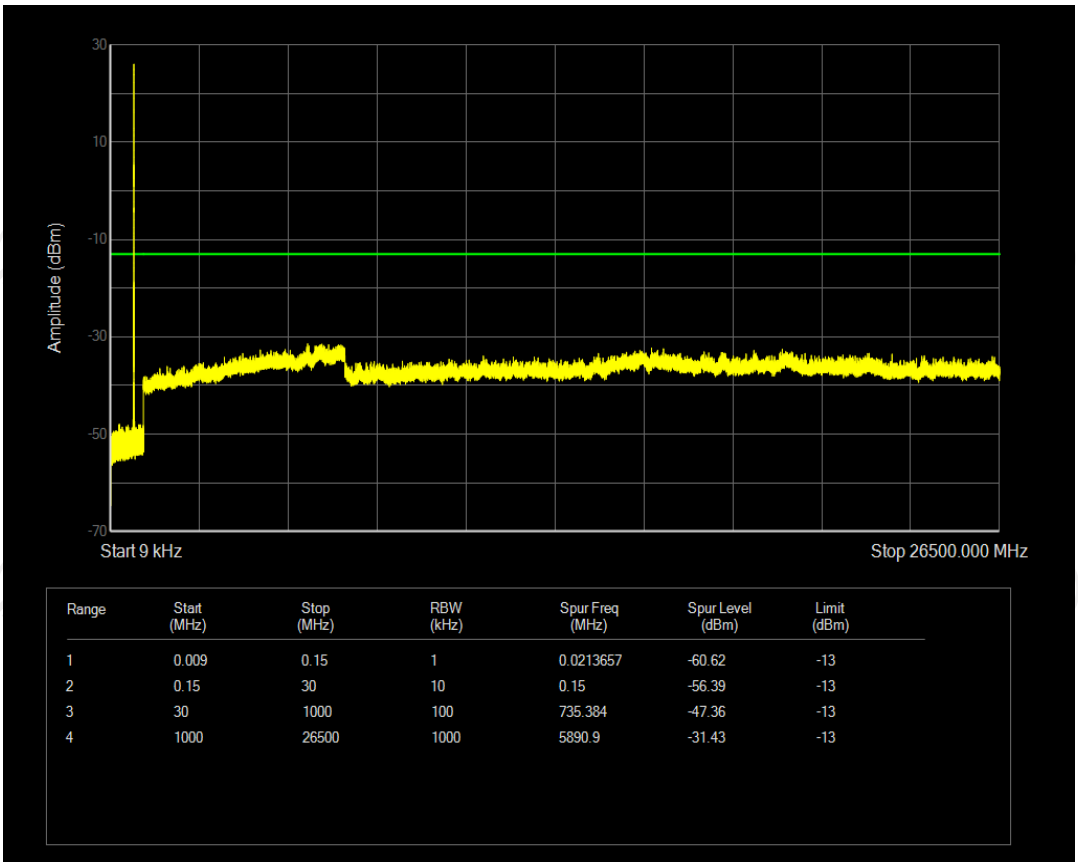
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0219767	-59.6	-13
2	0.15	30	10	0.15	-55.4	-13
3	30	1000	100	915.222	-47.35	-13
4	1000	26500	1000	6276.8	-31.25	-13

Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0



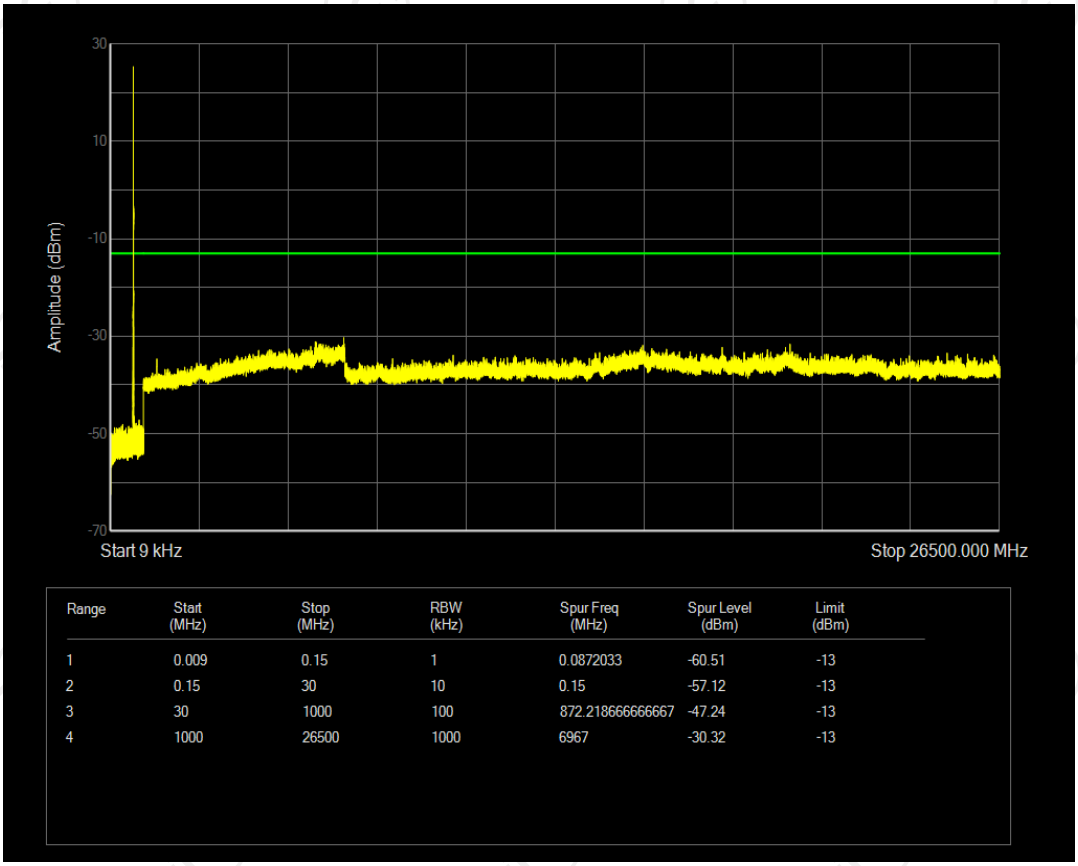
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0869354	-60.88	-13
2	0.15	30	10	0.15	-55.88	-13
3	30	1000	100	601.265333333333	-46.17	-13
4	1000	26500	1000	6967.85	-30.95	-13

Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0



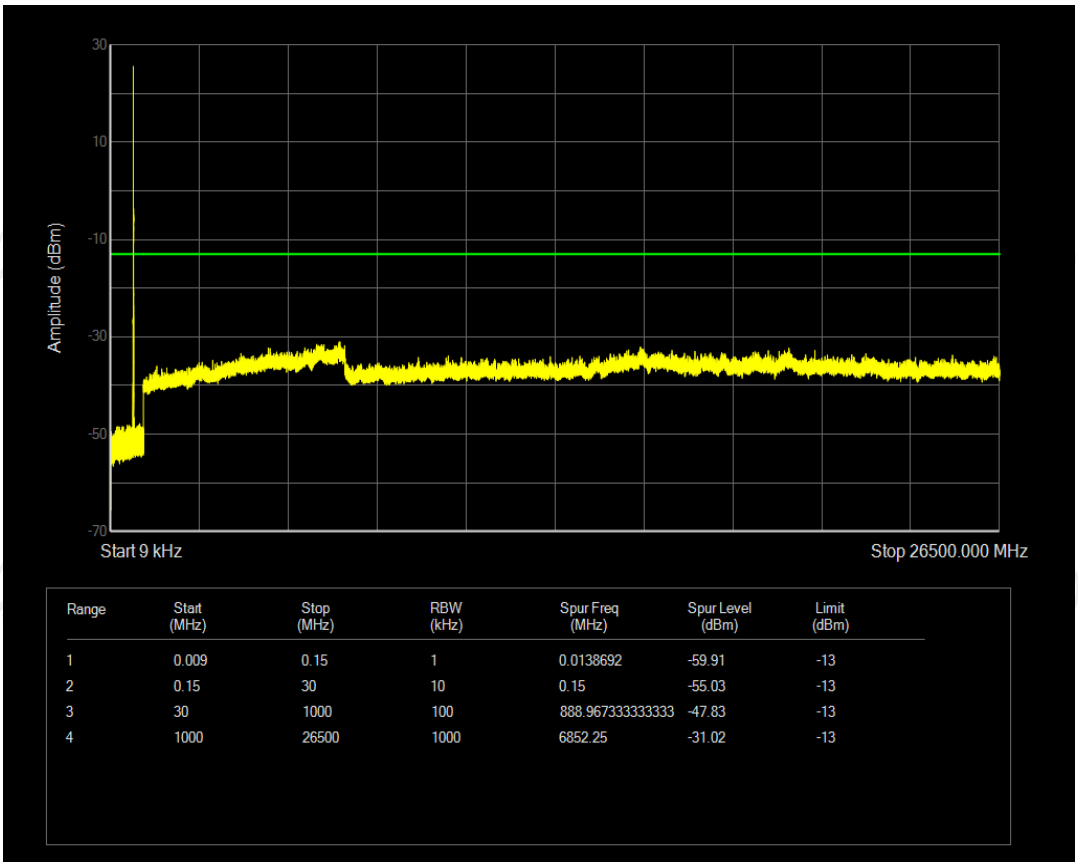
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0213657	-60.62	-13
2	0.15	30	10	0.15	-56.39	-13
3	30	1000	100	735.384	-47.36	-13
4	1000	26500	1000	5890.9	-31.43	-13

Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0



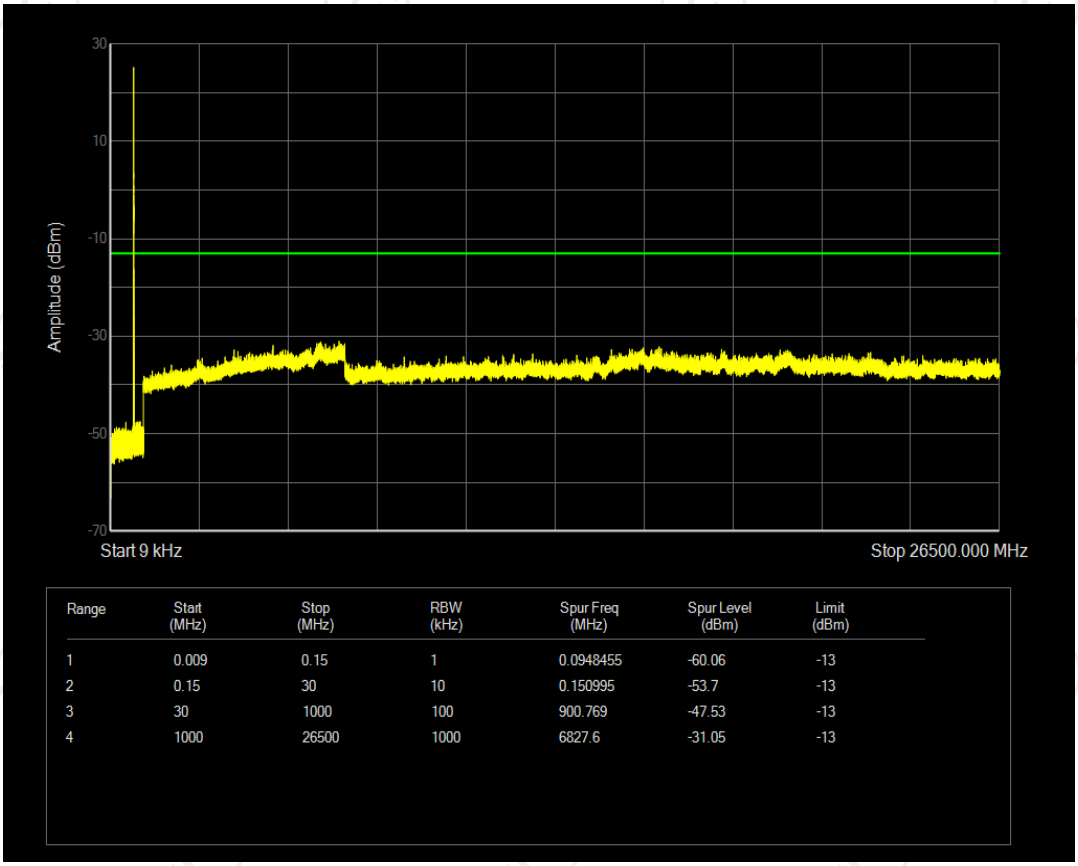
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0872033	-60.51	-13
2	0.15	30	10	0.15	-57.12	-13
3	30	1000	100	872.218666666667	-47.24	-13
4	1000	26500	1000	6967	-30.32	-13

Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0



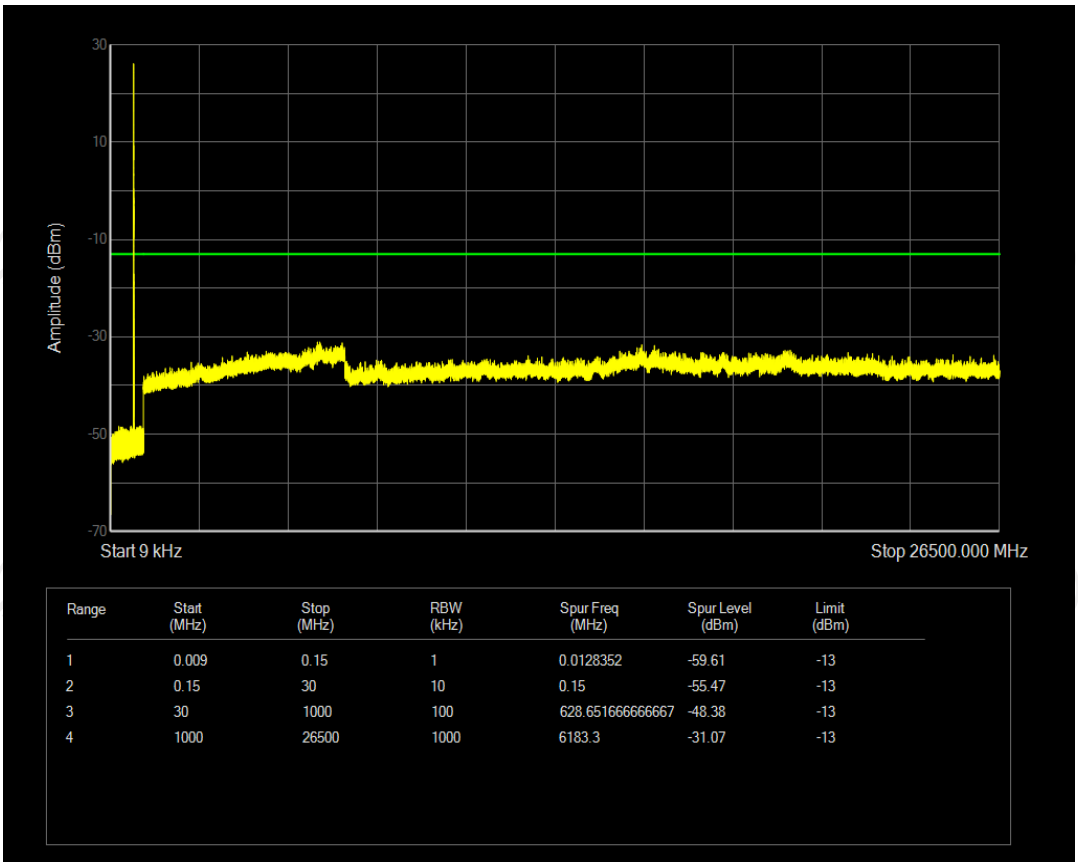
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0138692	-59.91	-13
2	0.15	30	10	0.15	-55.03	-13
3	30	1000	100	888.967333333333	-47.83	-13
4	1000	26500	1000	6852.25	-31.02	-13

Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0



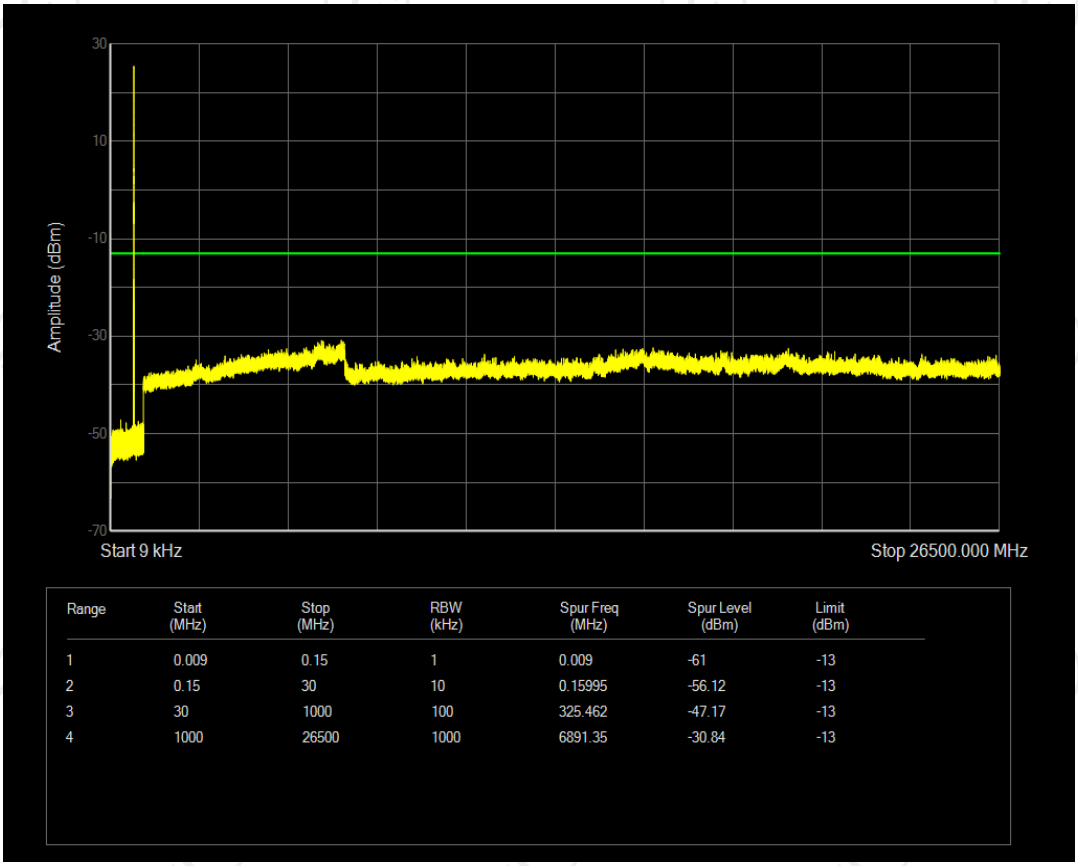
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0948455	-60.06	-13
2	0.15	30	10	0.150995	-53.7	-13
3	30	1000	100	900.769	-47.53	-13
4	1000	26500	1000	6827.6	-31.05	-13

Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0128352	-59.61	-13
2	0.15	30	10	0.15	-55.47	-13
3	30	1000	100	628.651666666667	-48.38	-13
4	1000	26500	1000	6183.3	-31.07	-13

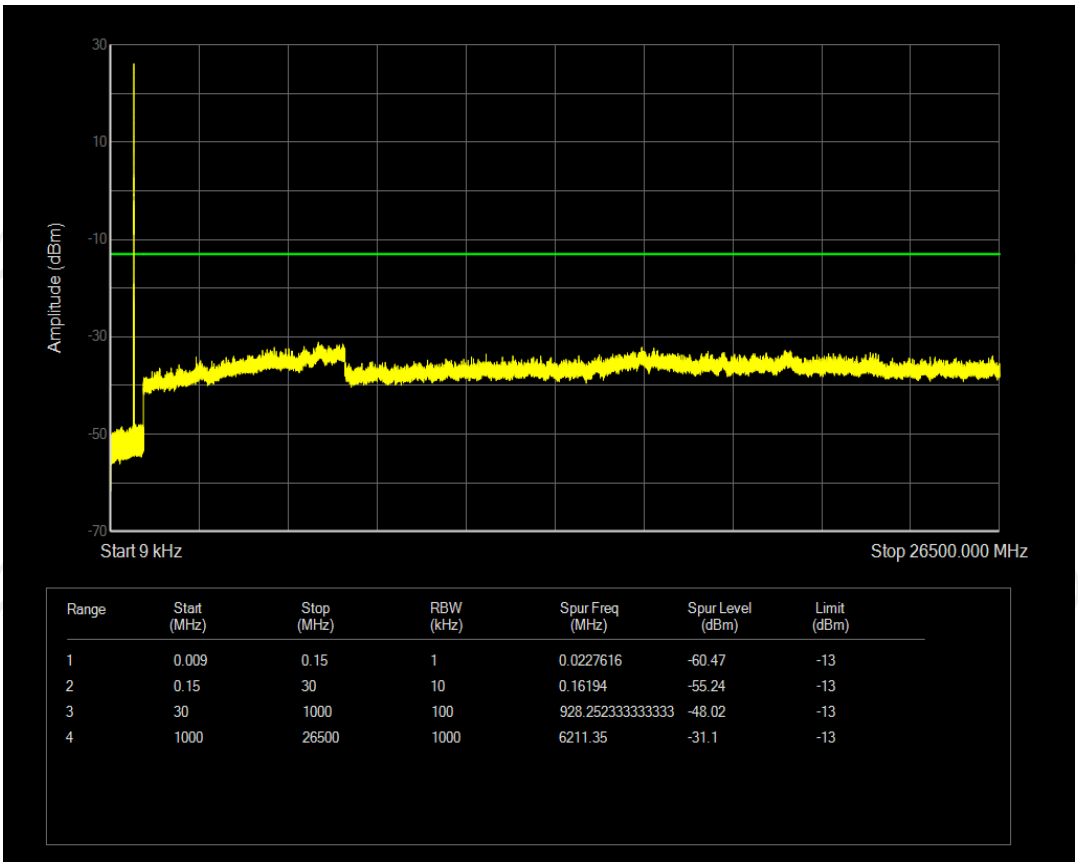
Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-61	-13
2	0.15	30	10	0.15995	-56.12	-13
3	30	1000	100	325.462	-47.17	-13
4	1000	26500	1000	6891.35	-30.84	-13

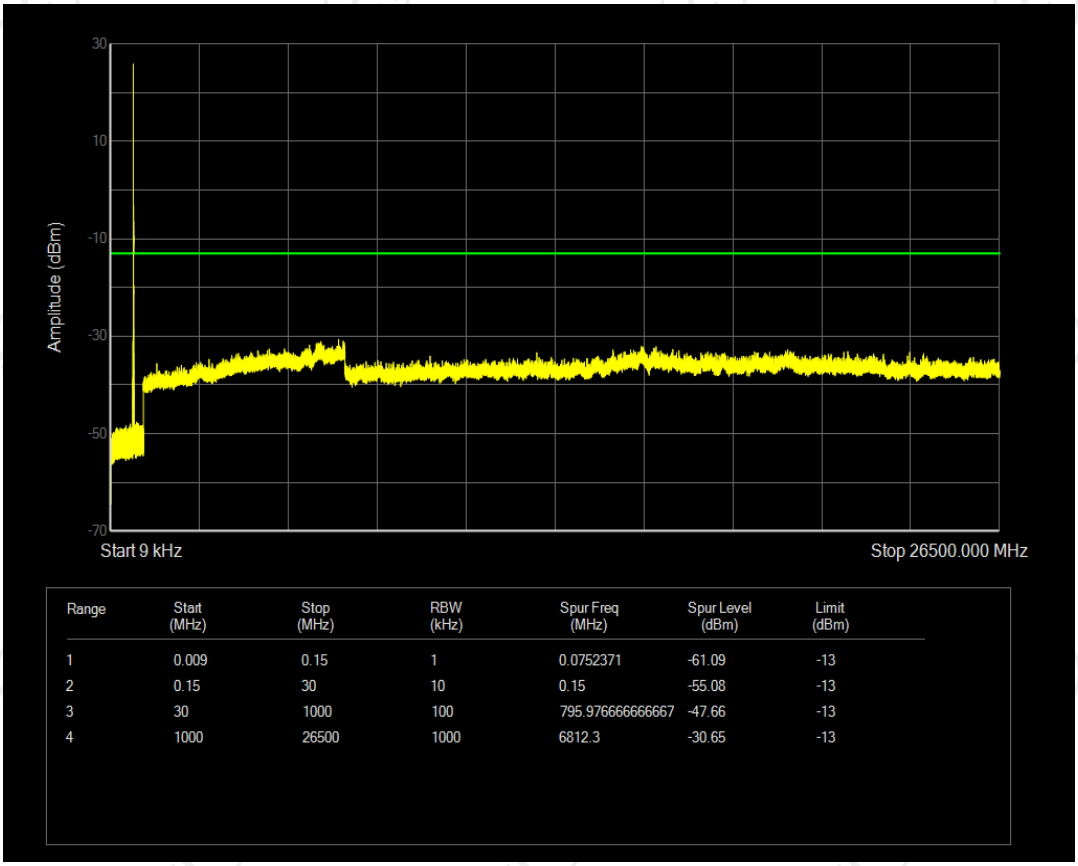
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



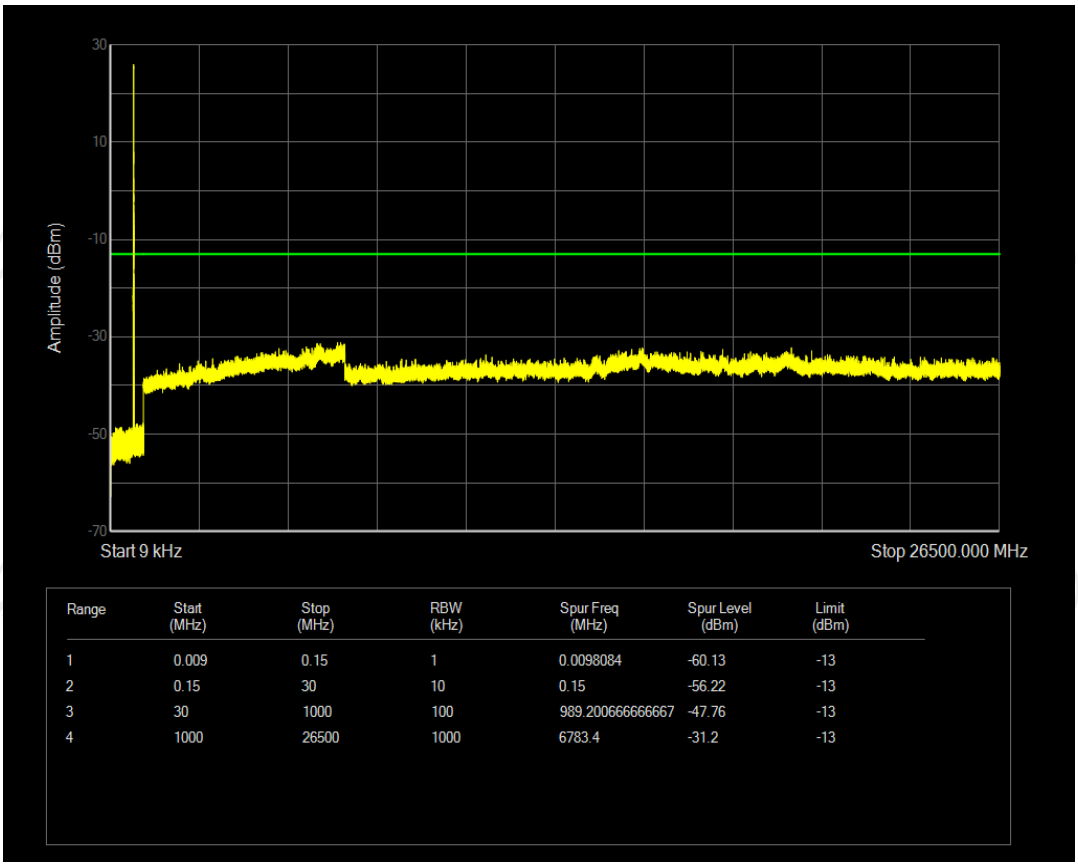
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0227616	-60.47	-13
2	0.15	30	10	0.16194	-55.24	-13
3	30	1000	100	928.252333333333	-48.02	-13
4	1000	26500	1000	6211.35	-31.1	-13

Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0



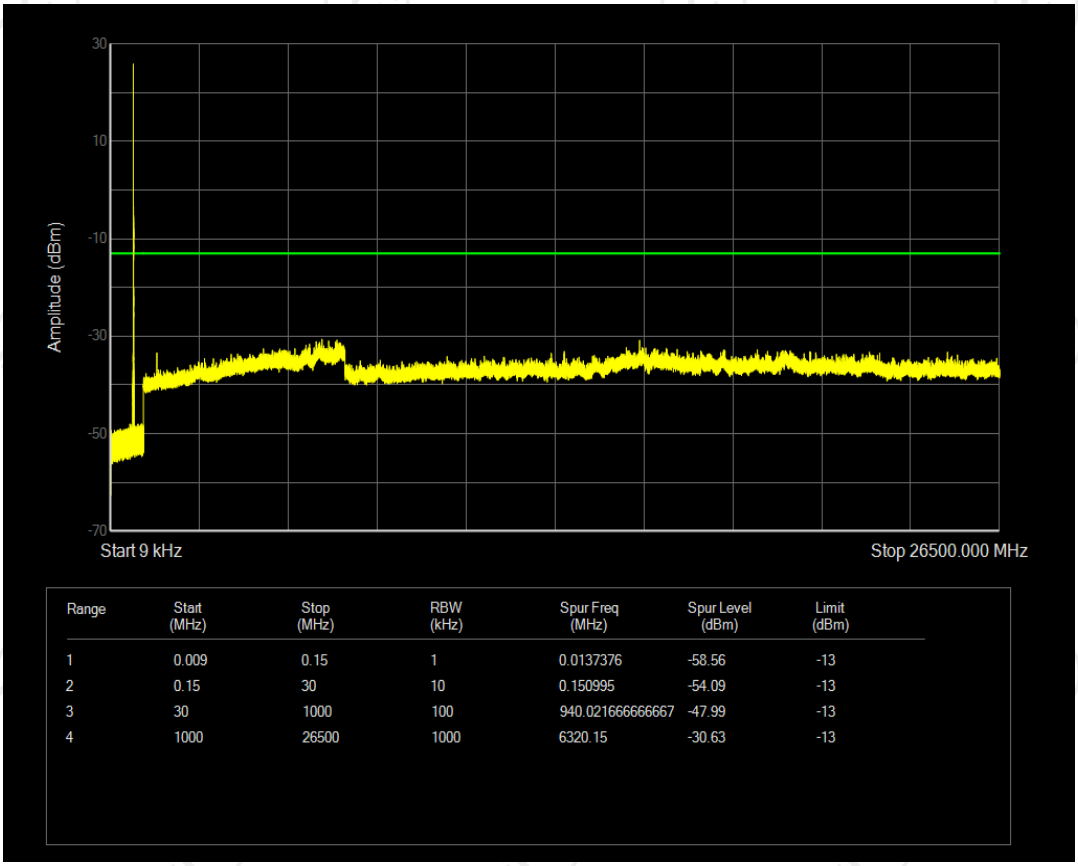
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0752371	-61.09	-13
2	0.15	30	10	0.15	-55.08	-13
3	30	1000	100	795.976666666667	-47.66	-13
4	1000	26500	1000	6812.3	-30.65	-13

Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



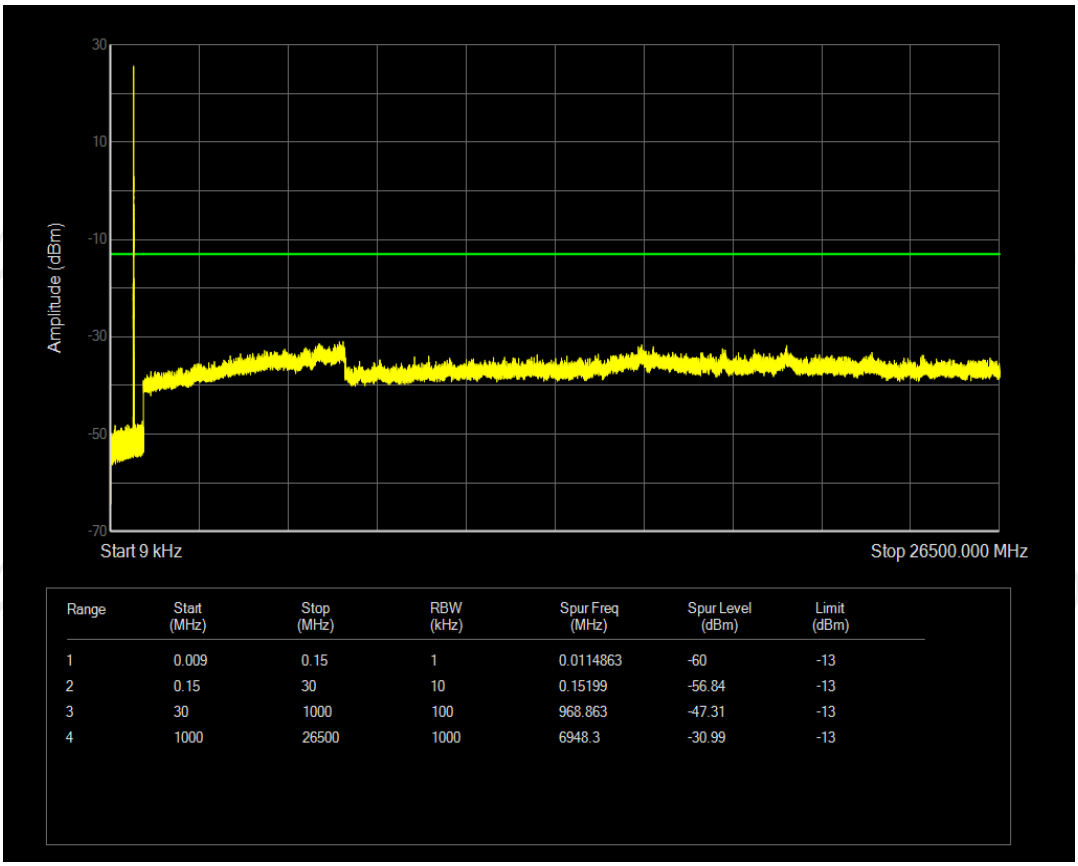
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0098084	-60.13	-13
2	0.15	30	10	0.15	-56.22	-13
3	30	1000	100	989.200666666667	-47.76	-13
4	1000	26500	1000	6783.4	-31.2	-13

Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0



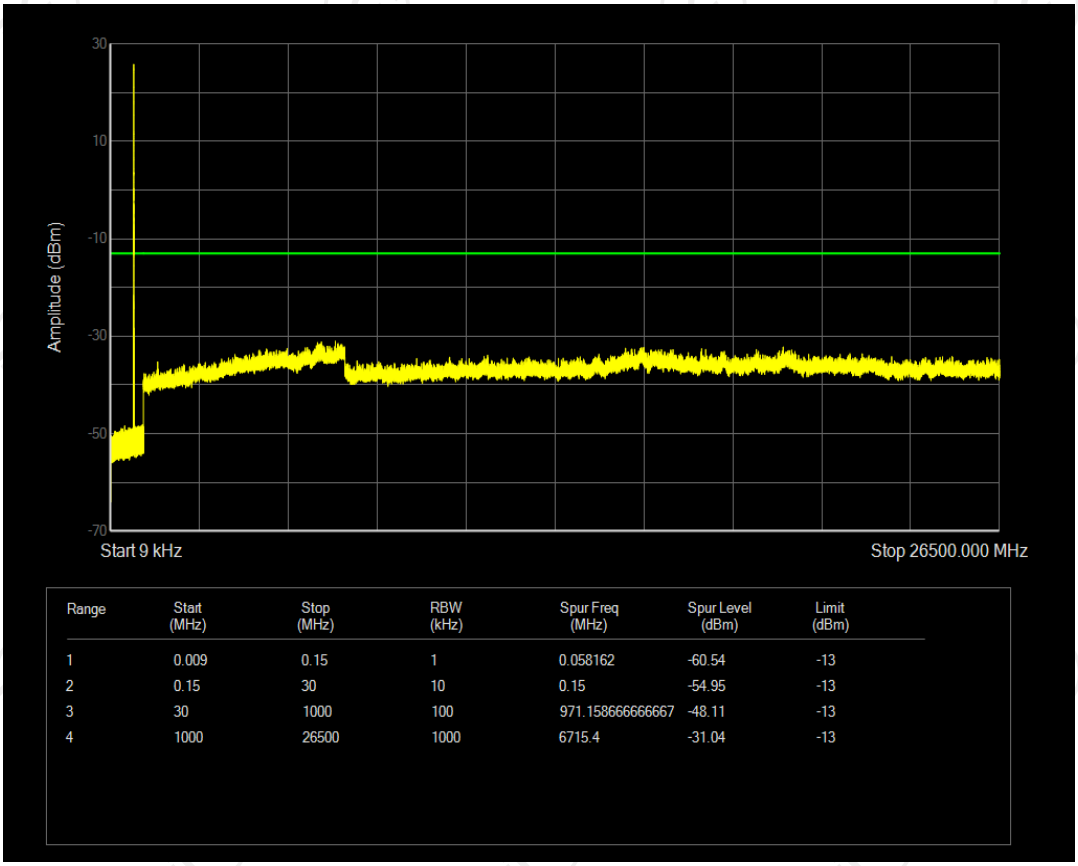
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0137376	-58.56	-13
2	0.15	30	10	0.150995	-54.09	-13
3	30	1000	100	940.021666666667	-47.99	-13
4	1000	26500	1000	6320.15	-30.63	-13

Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0



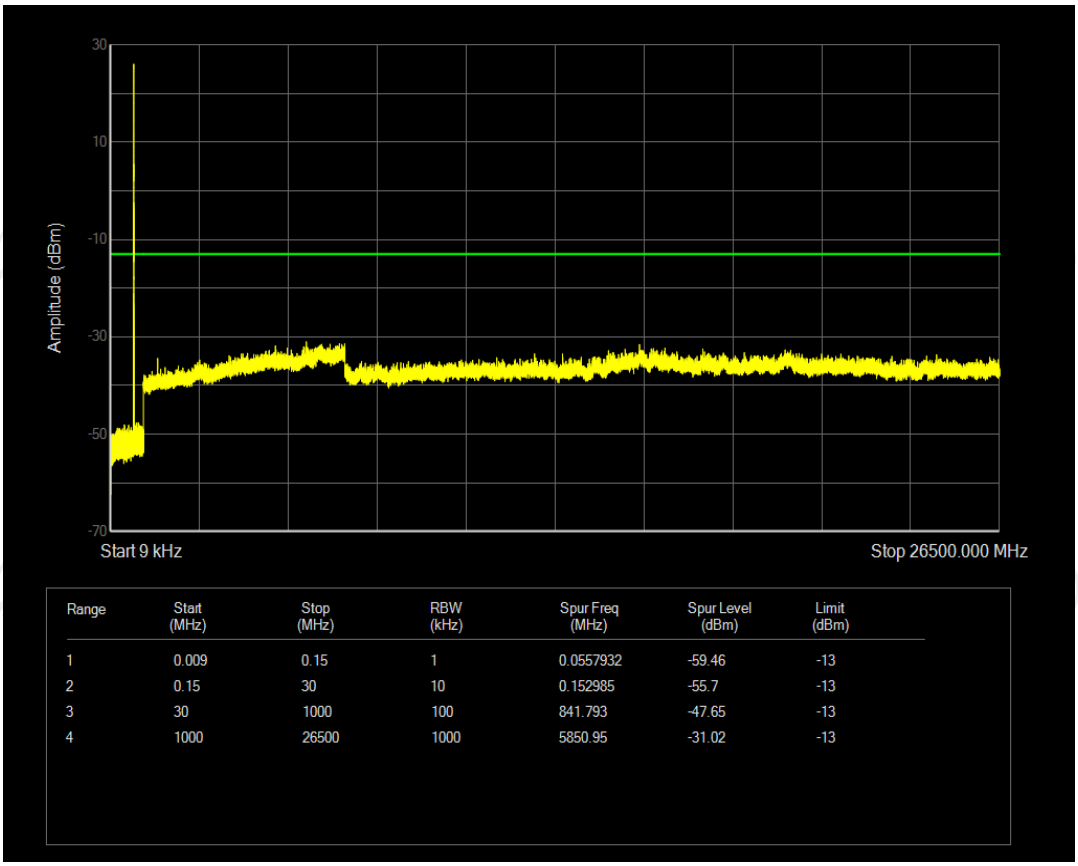
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0114863	-60	-13
2	0.15	30	10	0.15199	-56.84	-13
3	30	1000	100	968.863	-47.31	-13
4	1000	26500	1000	6948.3	-30.99	-13

Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0



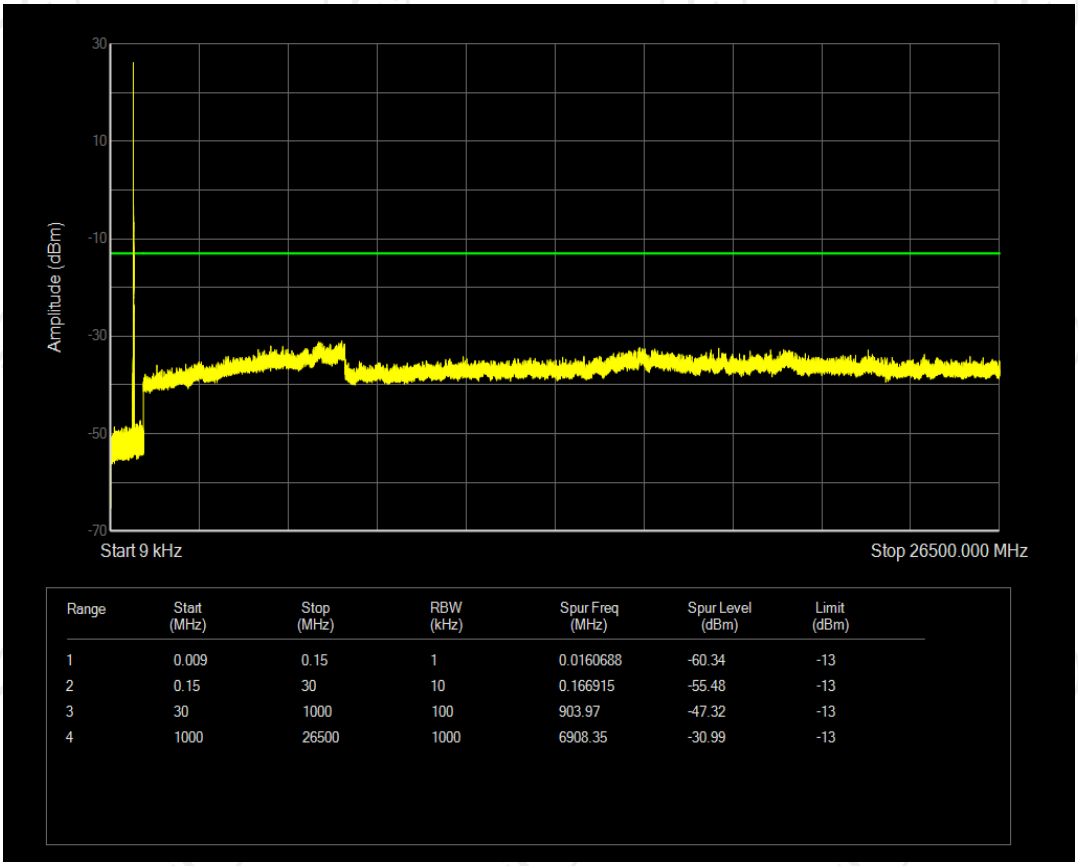
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.058162	-60.54	-13
2	0.15	30	10	0.15	-54.95	-13
3	30	1000	100	971.158666666667	-48.11	-13
4	1000	26500	1000	6715.4	-31.04	-13

Band12 16QAM BW=5MHz Channel=23155 RB Size=1 Position=#0



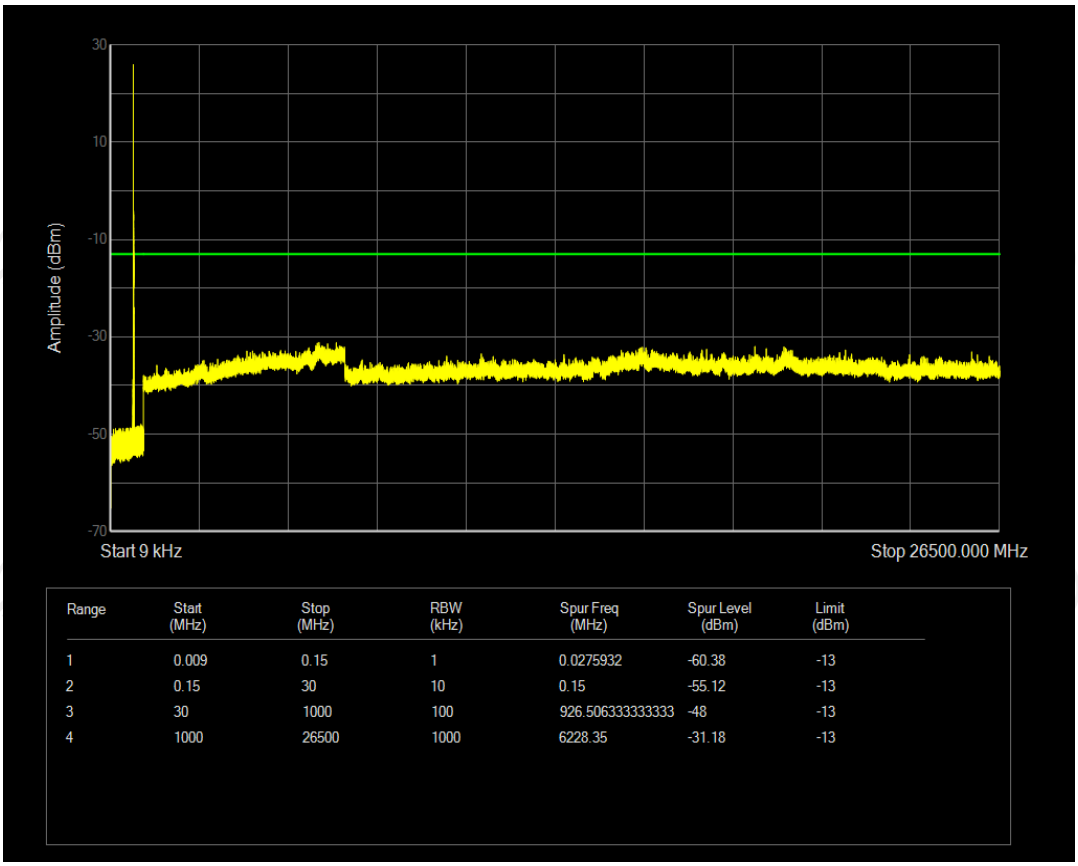
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0557932	-59.46	-13
2	0.15	30	10	0.152985	-55.7	-13
3	30	1000	100	841.793	-47.65	-13
4	1000	26500	1000	5850.95	-31.02	-13

Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0



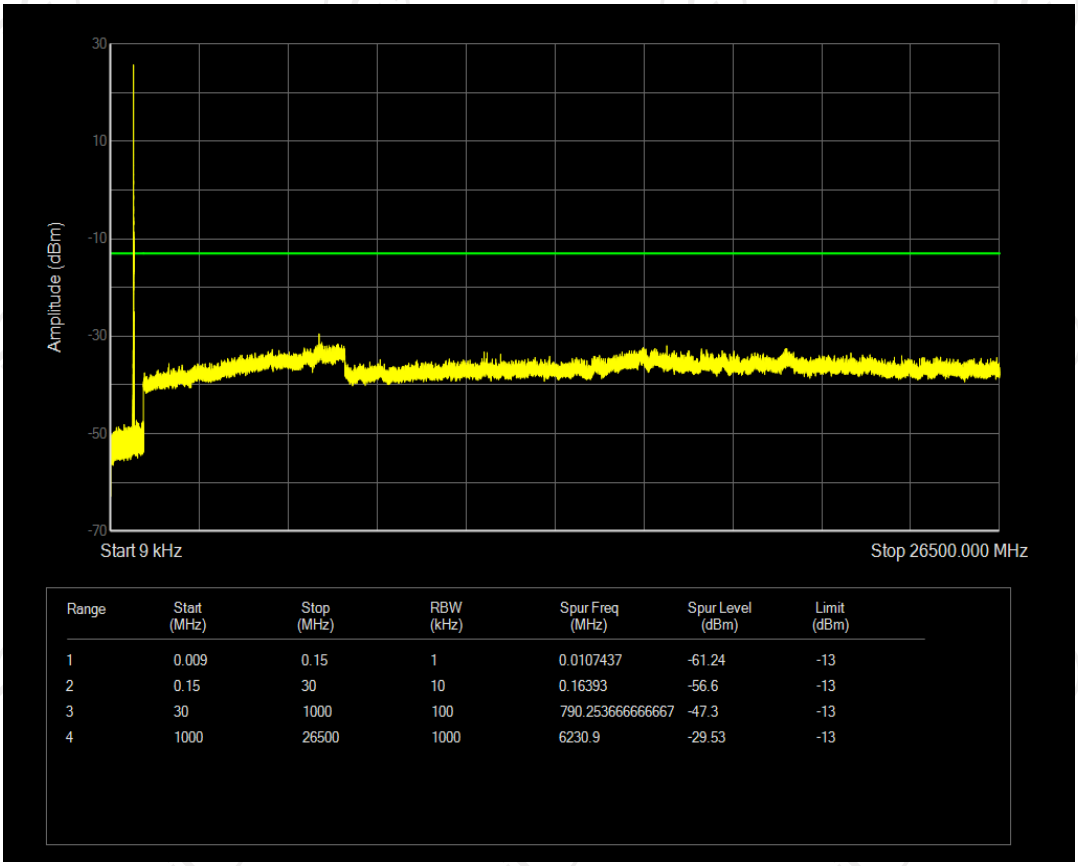
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0160688	-60.34	-13
2	0.15	30	10	0.166915	-55.48	-13
3	30	1000	100	903.97	-47.32	-13
4	1000	26500	1000	6908.35	-30.99	-13

Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0



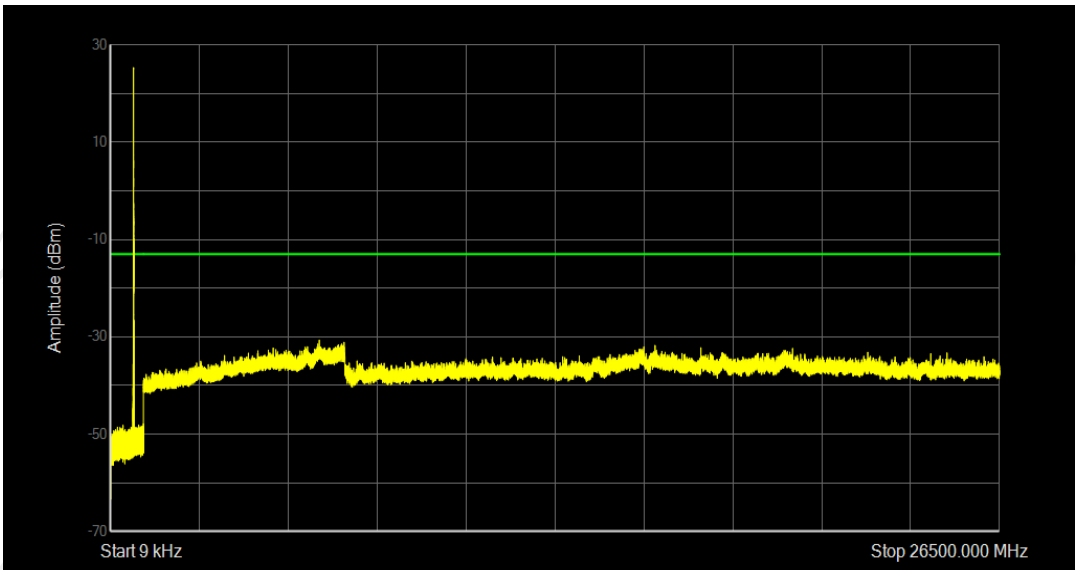
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0275932	-60.38	-13
2	0.15	30	10	0.15	-55.12	-13
3	30	1000	100	926.506333333333	-48	-13
4	1000	26500	1000	6228.35	-31.18	-13

Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0



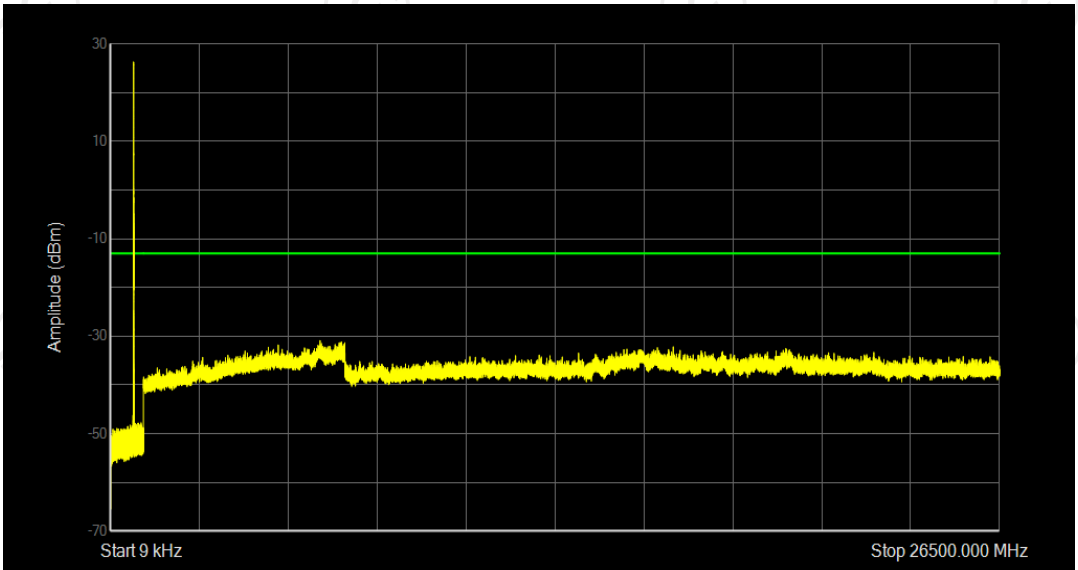
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0107437	-61.24	-13
2	0.15	30	10	0.16393	-56.6	-13
3	30	1000	100	790.253666666667	-47.3	-13
4	1000	26500	1000	6230.9	-29.53	-13

Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0



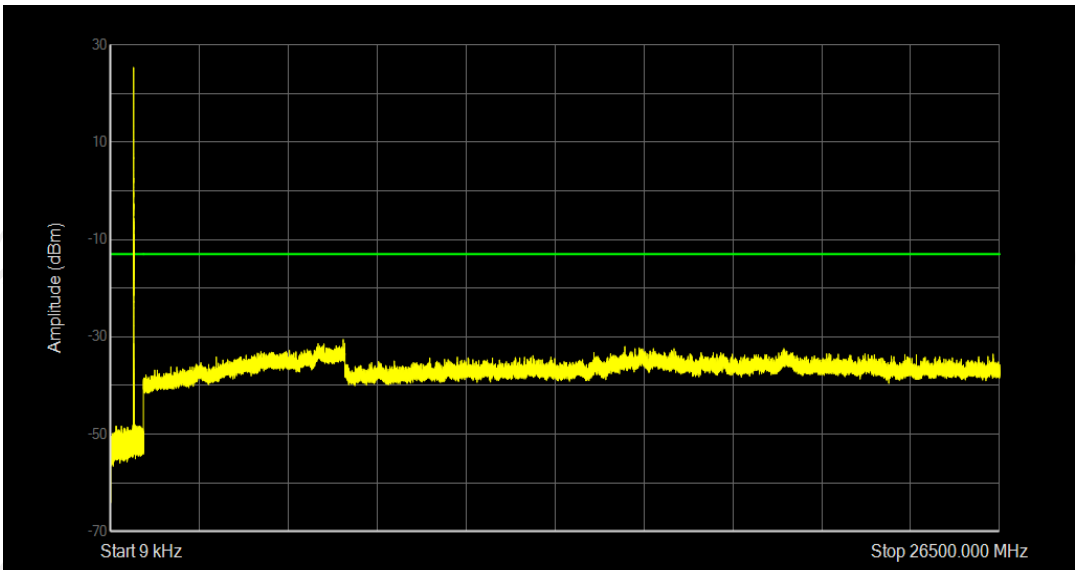
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0139867	-58.95	-13
2	0.15	30	10	0.162935	-56.14	-13
3	30	1000	100	999.515	-47.88	-13
4	1000	26500	1000	6237.7	-30.68	-13

Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0171451	-59.29	-13
2	0.15	30	10	0.164925	-56.33	-13
3	30	1000	100	930.127666666667	-47.77	-13
4	1000	26500	1000	6261.5	-30.91	-13

Band12 QPSK BW=10MHz Channel=23130 RB Size=1 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.087255	-60.27	-13
2	0.15	30	10	0.15199	-55.03	-13
3	30	1000	100	889.226	-48.34	-13
4	1000	26500	1000	6951.7	-30.55	-13