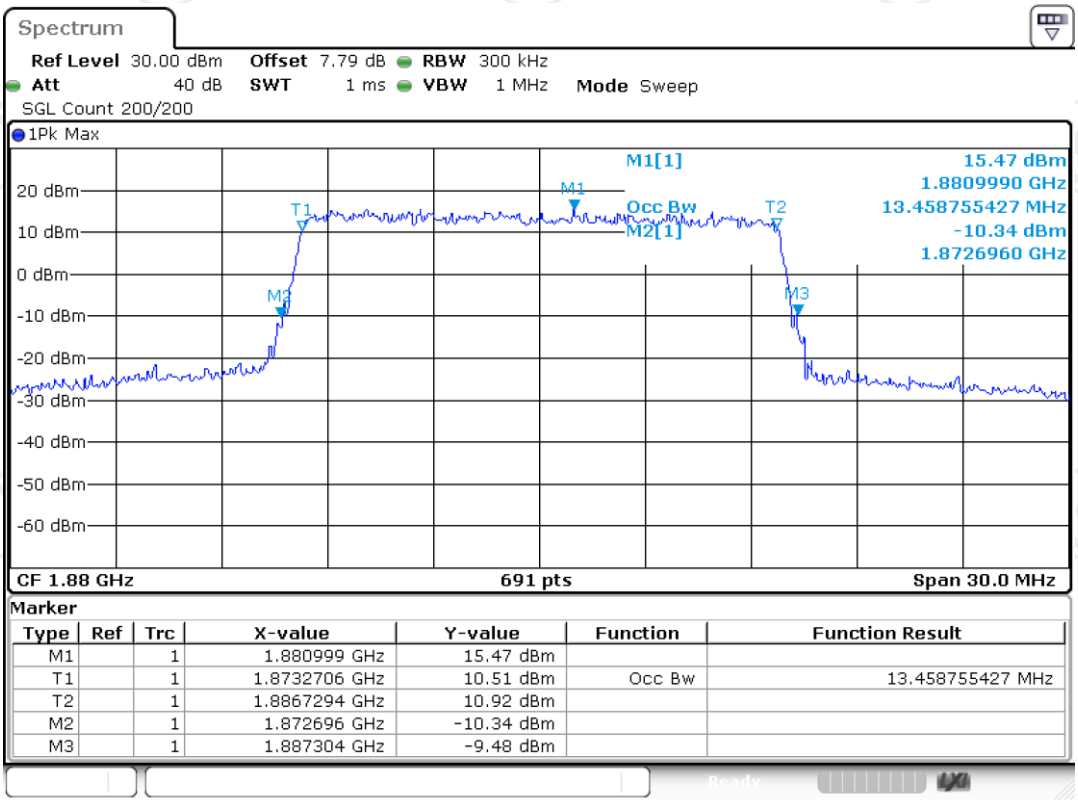
Band2 QPSK BW=15MHz Channel=18900 RB Size=75 Position=#0

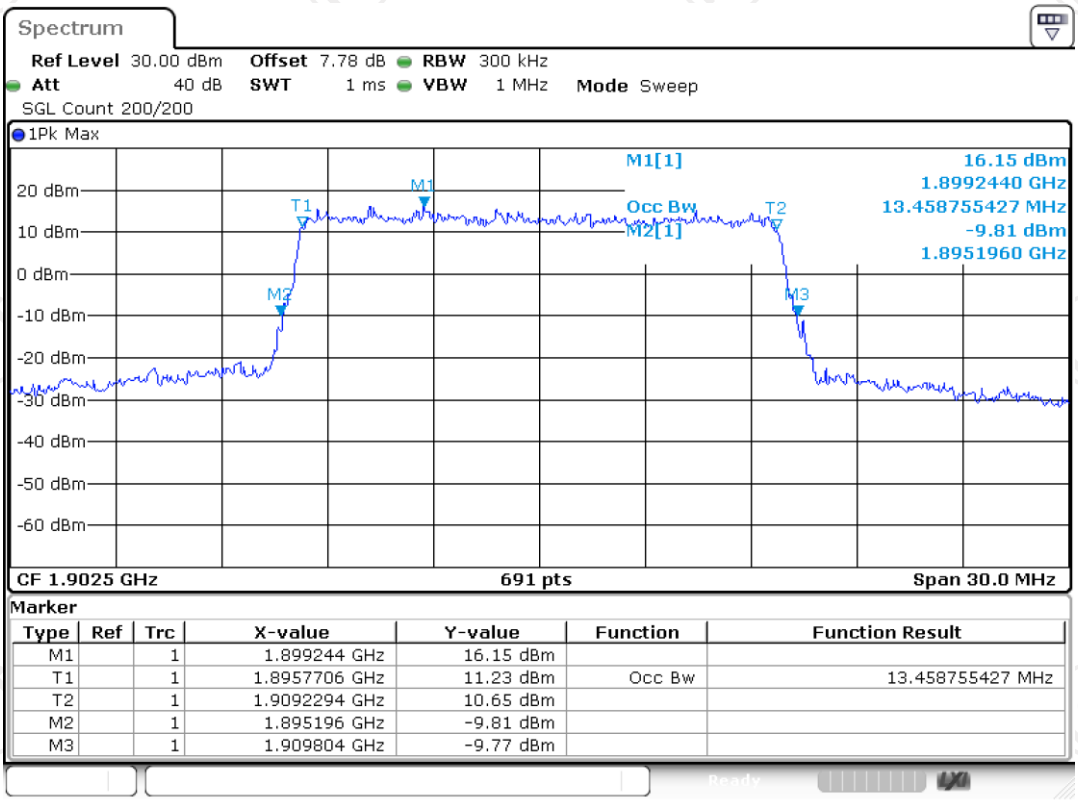


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.880999 GHz	15.47 dBm		
T1		1	1.8732706 GHz	10.51 dBm	Occ Bw	13.458755427 MHz
T2		1	1.8867294 GHz	10.92 dBm		
M2		1	1.872696 GHz	-10.34 dBm		
M3		1	1.887304 GHz	-9.48 dBm		

Date: 5.JUN.2023 12:24:29

Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0

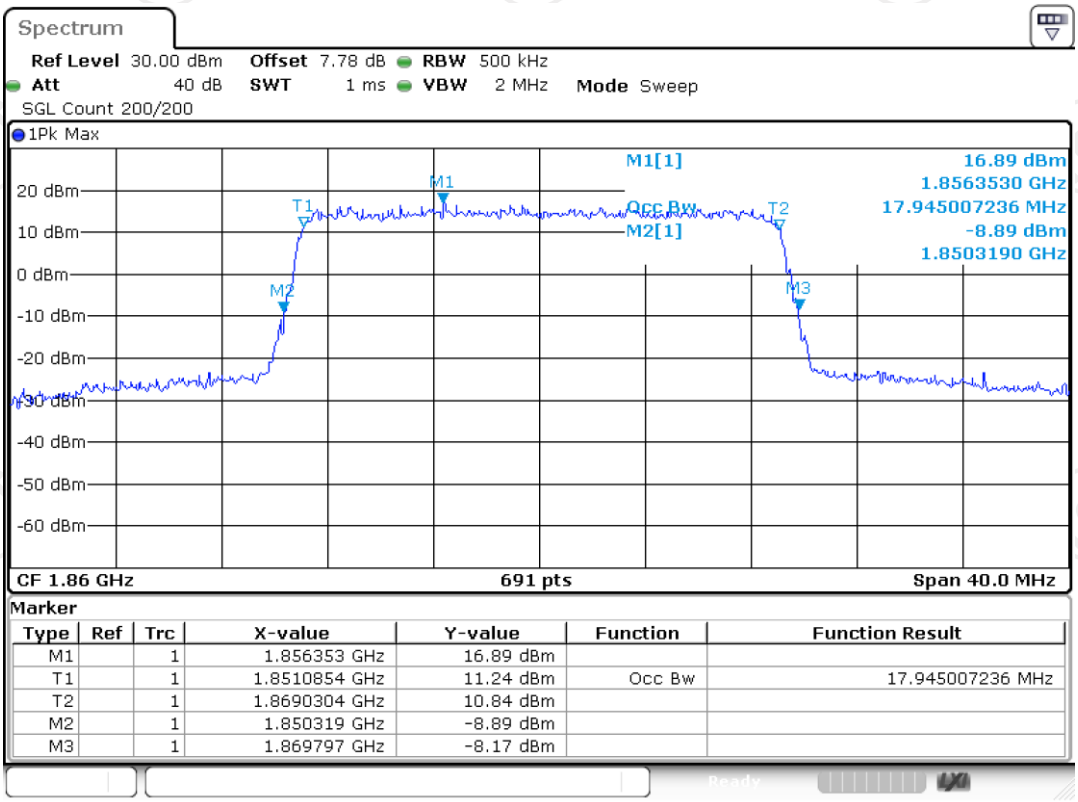


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.899244 GHz	16.15 dBm		
T1		1	1.8957706 GHz	11.23 dBm	Occ Bw	13.458755427 MHz
T2		1	1.9092294 GHz	10.65 dBm		
M2		1	1.895196 GHz	-9.81 dBm		
M3		1	1.909804 GHz	-9.77 dBm		

Date: 5.JUN.2023 12:24:39

Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0

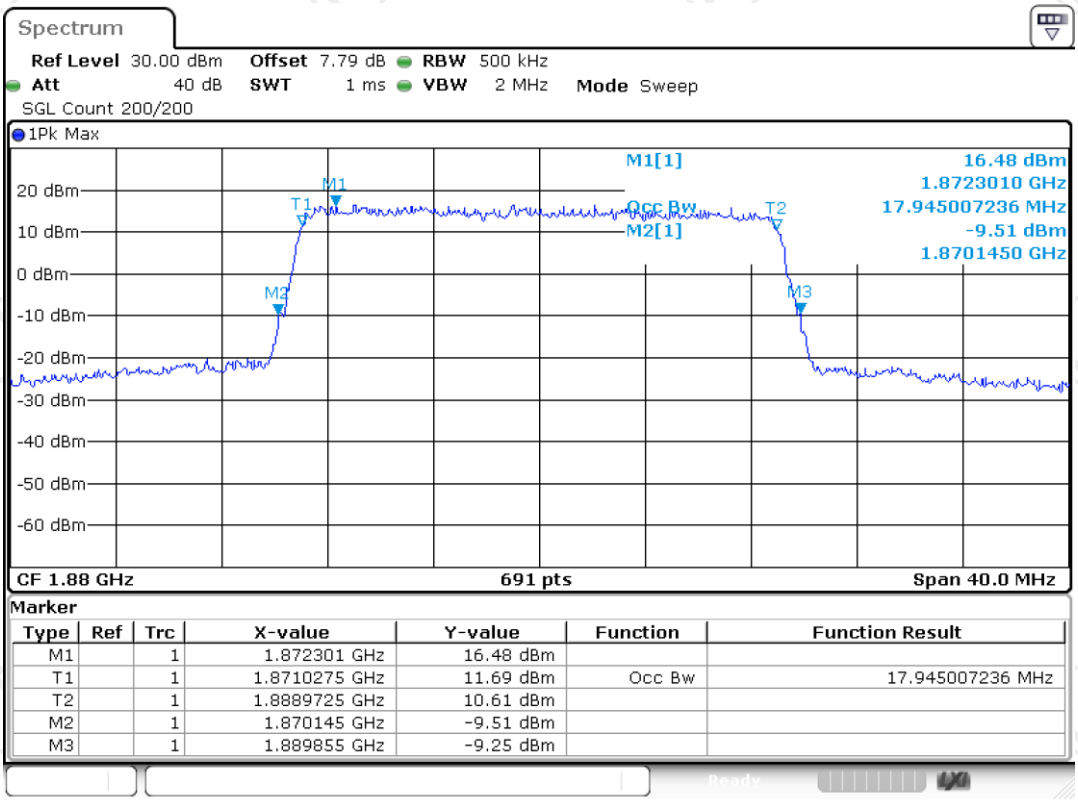


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.856353 GHz	16.89 dBm		
T1		1	1.8510854 GHz	11.24 dBm	Occ Bw	17.945007236 MHz
T2		1	1.8690304 GHz	10.84 dBm		
M2		1	1.850319 GHz	-8.89 dBm		
M3		1	1.869797 GHz	-8.17 dBm		

Date: 5.JUN.2023 12:24:50

Band2 QPSK BW=20MHz Channel=18900 RB Size=100 Position=#0

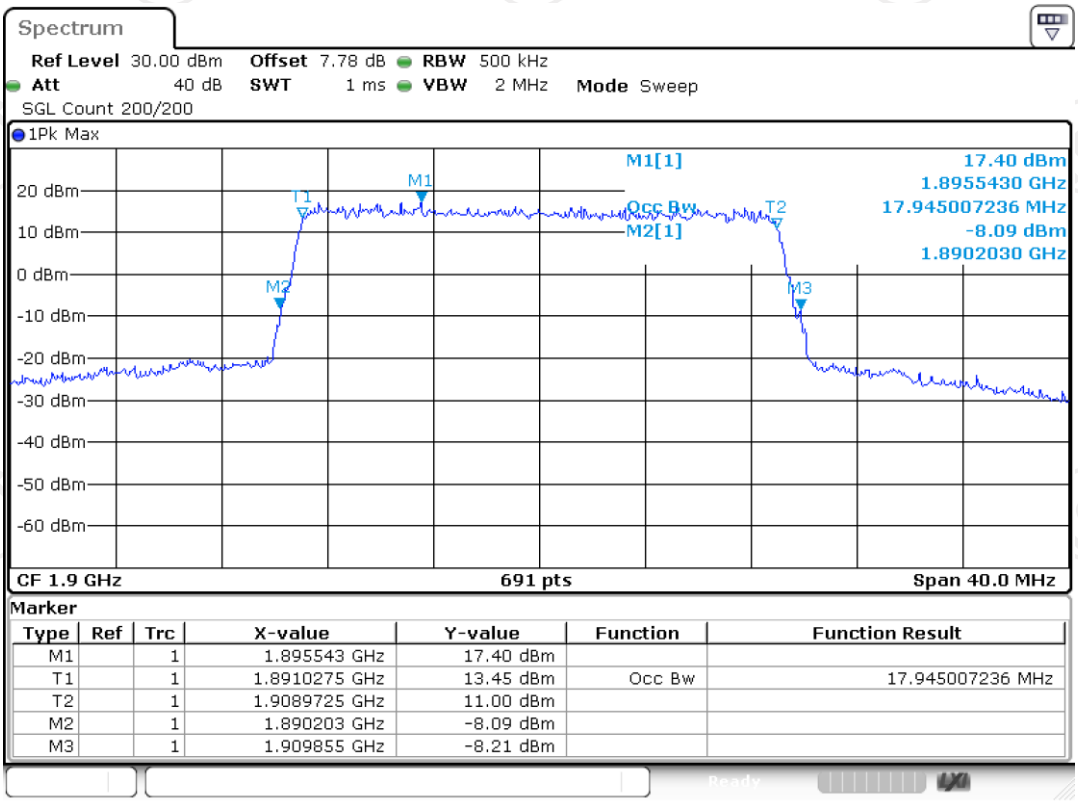


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.872301 GHz	16.48 dBm		
T1		1	1.8710275 GHz	11.69 dBm	Occ Bw	17.945007236 MHz
T2		1	1.8889725 GHz	10.61 dBm		
M2		1	1.870145 GHz	-9.51 dBm		
M3		1	1.889855 GHz	-9.25 dBm		

Date: 5.JUN.2023 12:25:01

Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0



Marker

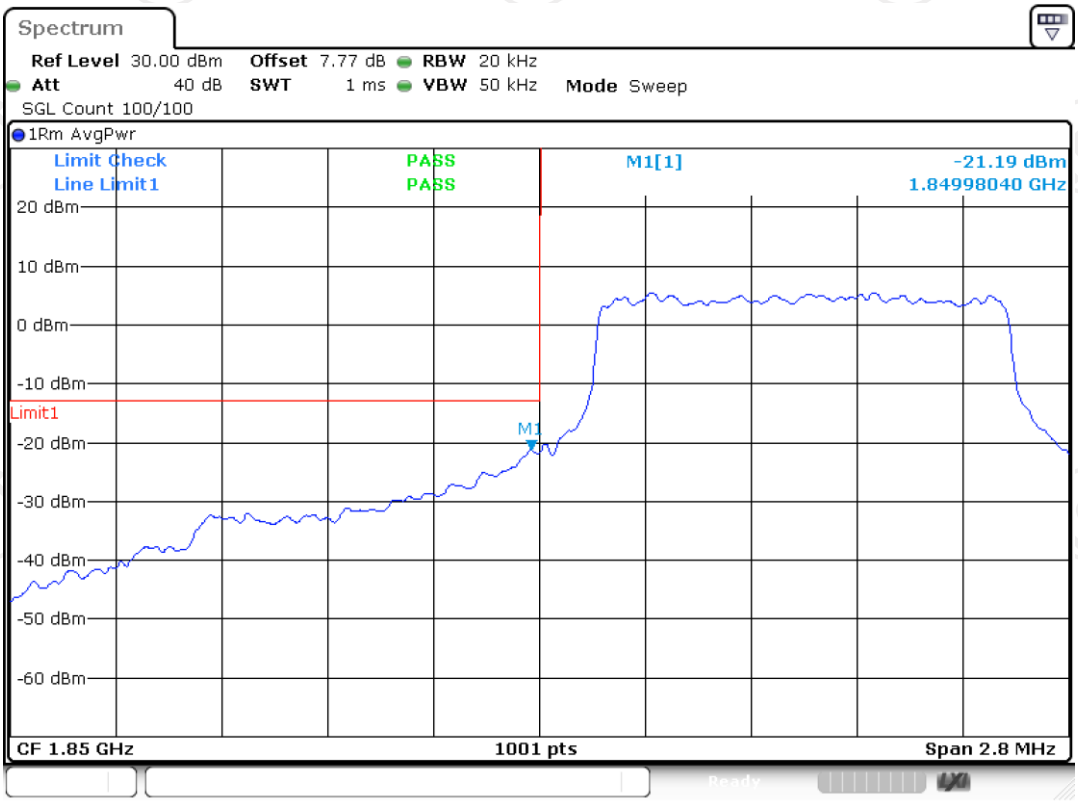
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.895543 GHz	17.40 dBm		
T1		1	1.8910275 GHz	13.45 dBm	Occ Bw	17.945007236 MHz
T2		1	1.9089725 GHz	11.00 dBm		
M2		1	1.890203 GHz	-8.09 dBm		
M3		1	1.909855 GHz	-8.21 dBm		

Date: 5.JUN.2023 12:25:11

5 Band edge

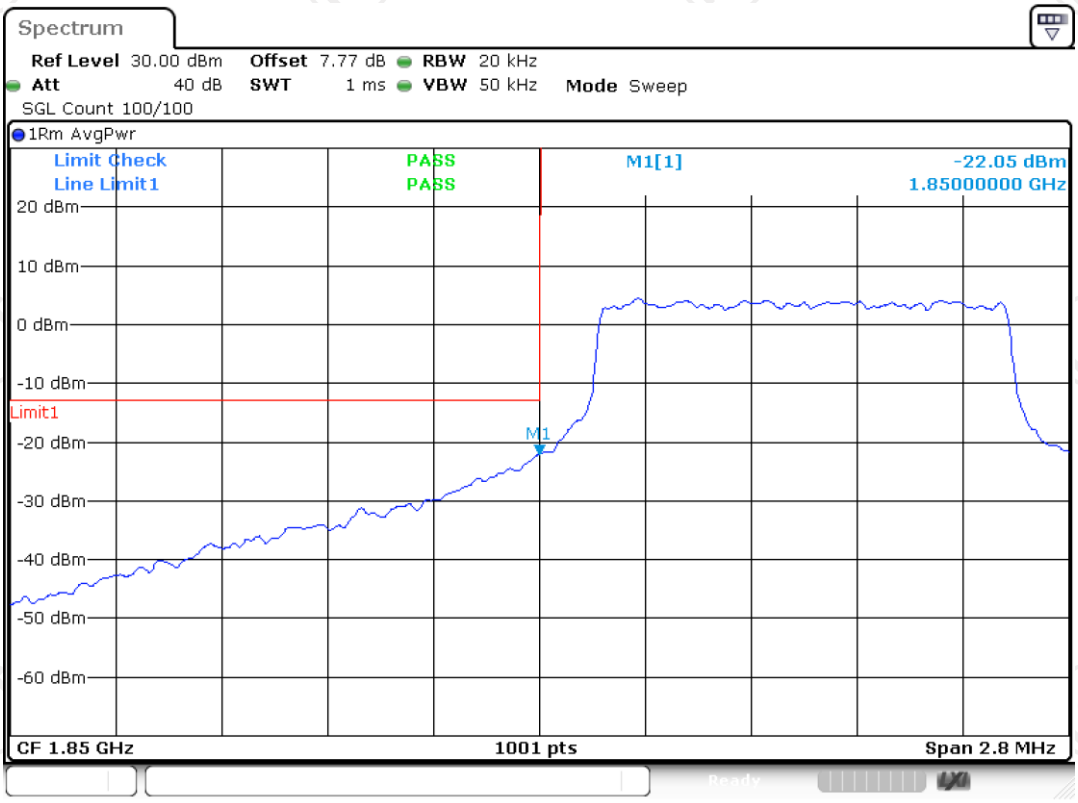
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band2	1.4	18607	6	#0	QPSK	1849.98	-21.19	-13	PASS
Band2	1.4	18607	6	#0	16QAM	1850.00	-22.05	-13	PASS
Band2	1.4	19193	6	#0	QPSK	1910.00	-20.04	-13	PASS
Band2	1.4	19193	6	#0	16QAM	1910.00	-20.12	-13	PASS
Band2	3	18615	15	#0	QPSK	1850.00	-27.67	-13	PASS
Band2	3	18615	15	#0	16QAM	1850.00	-27.41	-13	PASS
Band2	3	19185	15	#0	QPSK	1910.02	-23.19	-13	PASS
Band2	3	19185	15	#0	16QAM	1910.00	-26.16	-13	PASS
Band2	5	18625	25	#0	QPSK	1850.00	-29.77	-13	PASS
Band2	5	18625	25	#0	16QAM	1850.00	-31.63	-13	PASS
Band2	5	19175	25	#0	QPSK	1910.00	-26.06	-13	PASS
Band2	5	19175	25	#0	16QAM	1910.00	-29.05	-13	PASS
Band2	10	18650	50	#0	QPSK	1850.00	-37.13	-13	PASS
Band2	10	19150	50	#0	QPSK	1910.22	-29.35	-13	PASS
Band2	15	18675	75	#0	QPSK	1849.79	-36.95	-13	PASS
Band2	15	19125	75	#0	QPSK	1910.12	-29.57	-13	PASS
Band2	20	18700	100	#0	QPSK	1849.32	-36.63	-13	PASS
Band2	20	19100	100	#0	QPSK	1910.28	-34.40	-13	PASS

Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



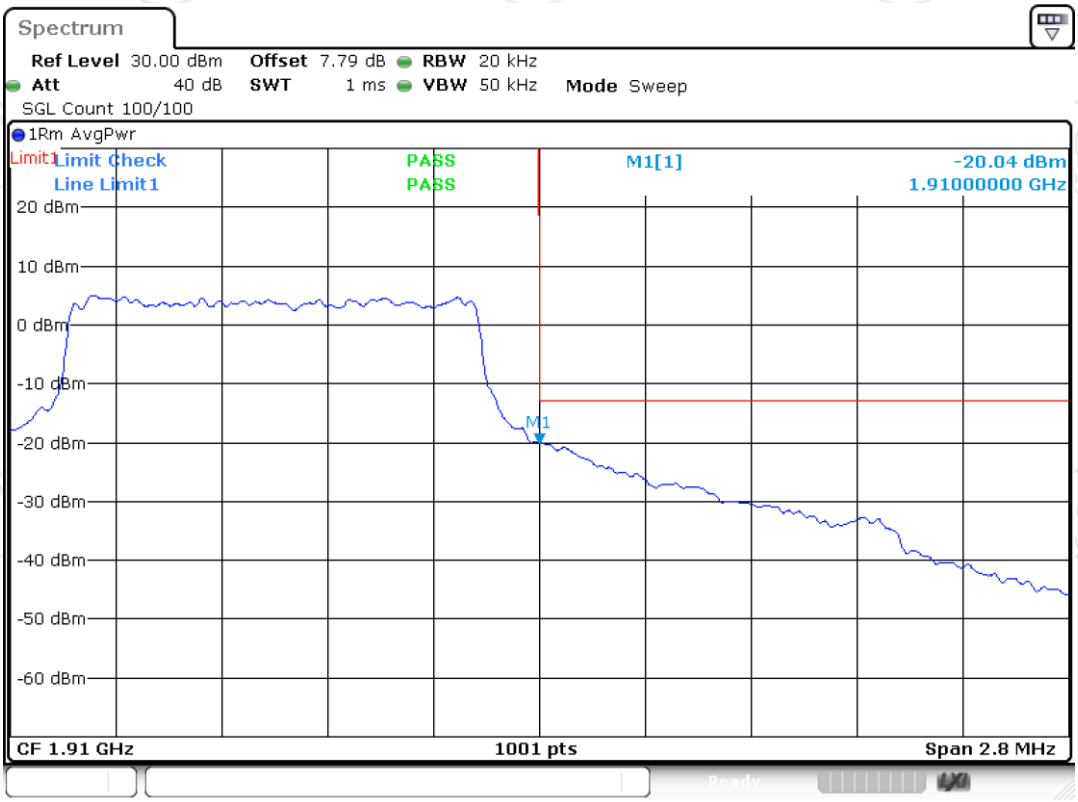
Date: 12.APR.2023 10:45:09

Band2 16QAM BW=1.4MHz Channel=18607 RB Size=6 Position=#0



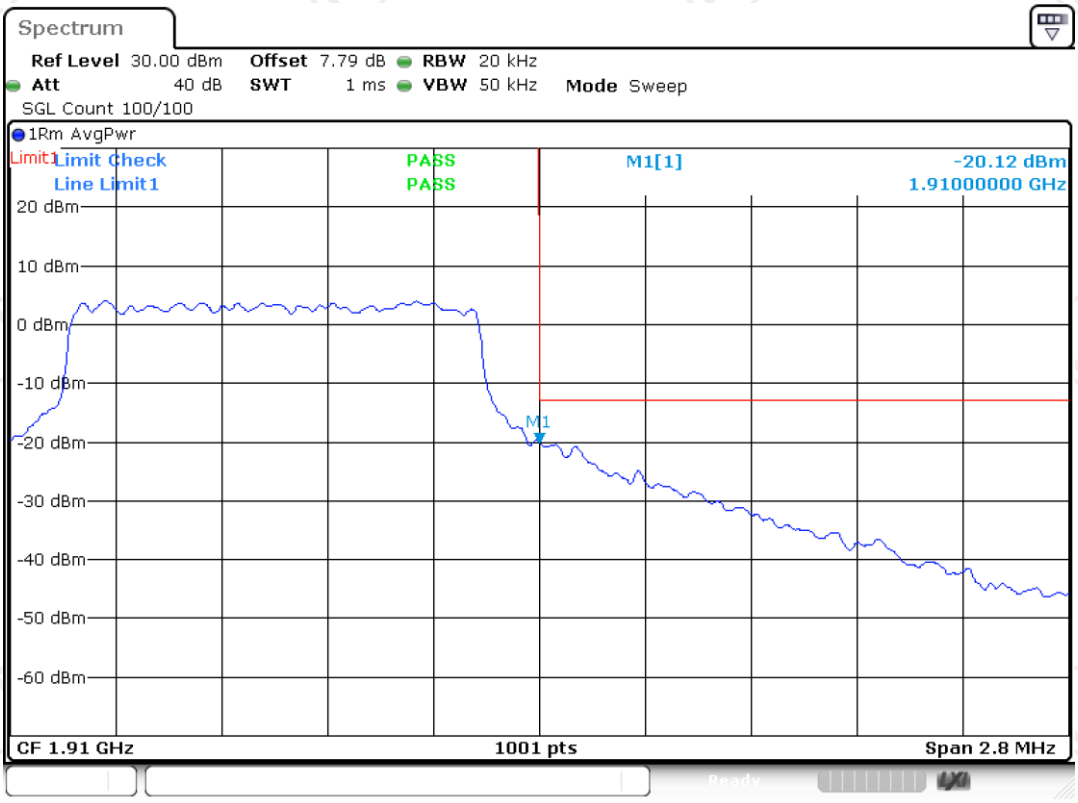
Date: 12.APR.2023 10:45:14

Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



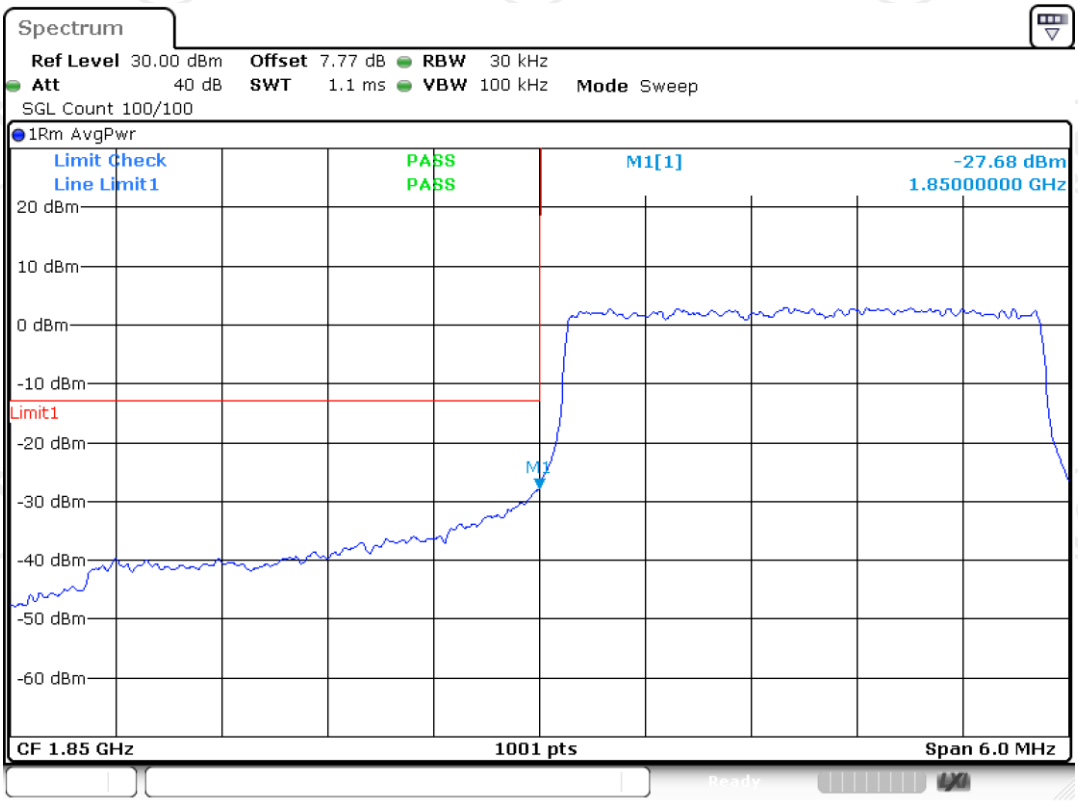
Date: 12.APR.2023 10:45:19

Band2 16QAM BW=1.4MHz Channel=19193 RB Size=6 Position=#0



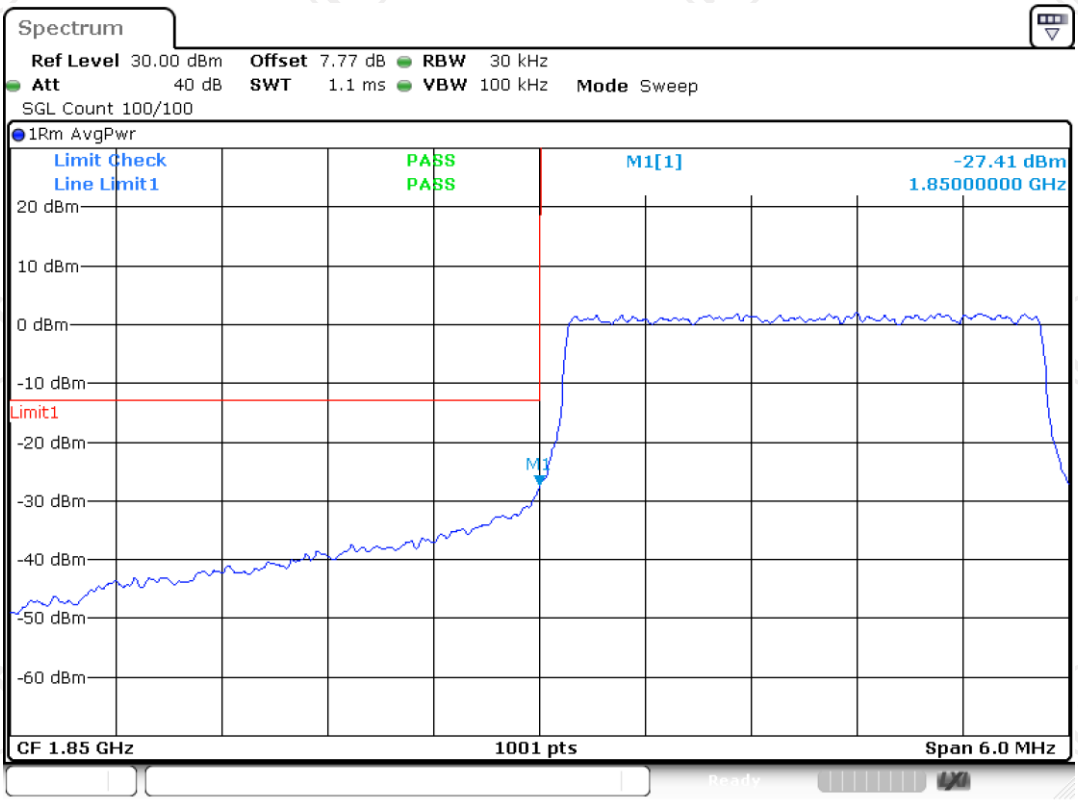
Date: 12.APR.2023 10:45:24

Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



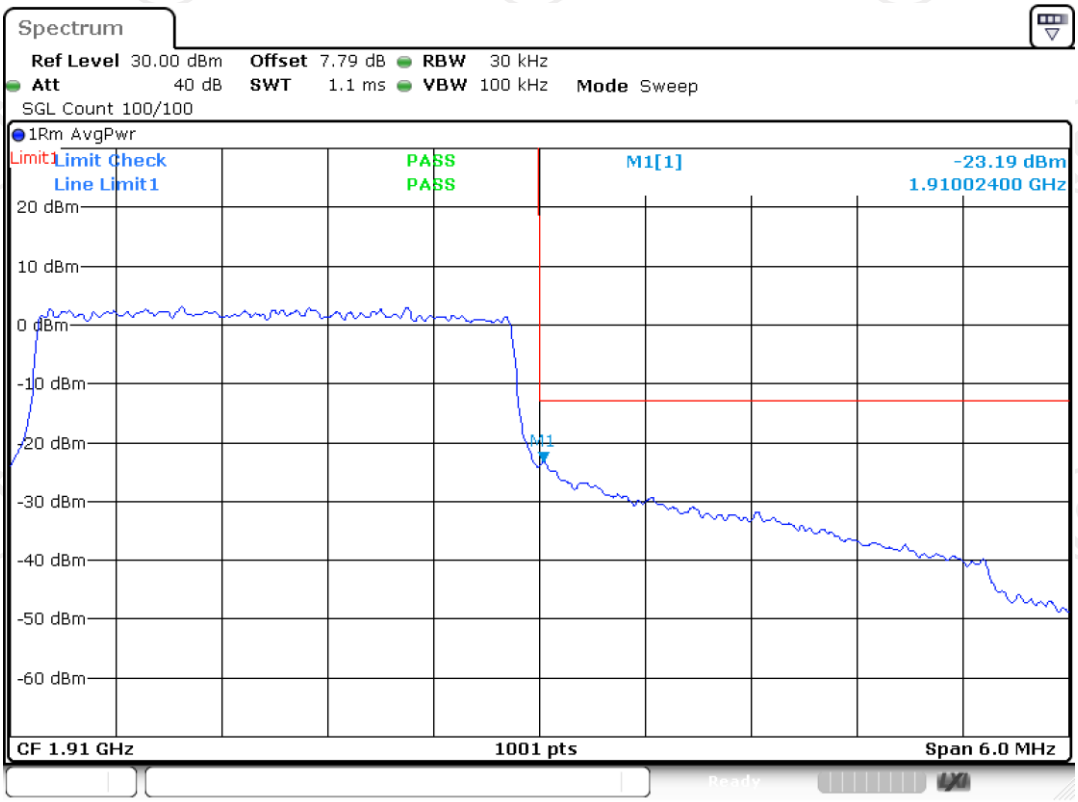
Date: 12.APR.2023 10:45:29

Band2 16QAM BW=3MHz Channel=18615 RB Size=15 Position=#0



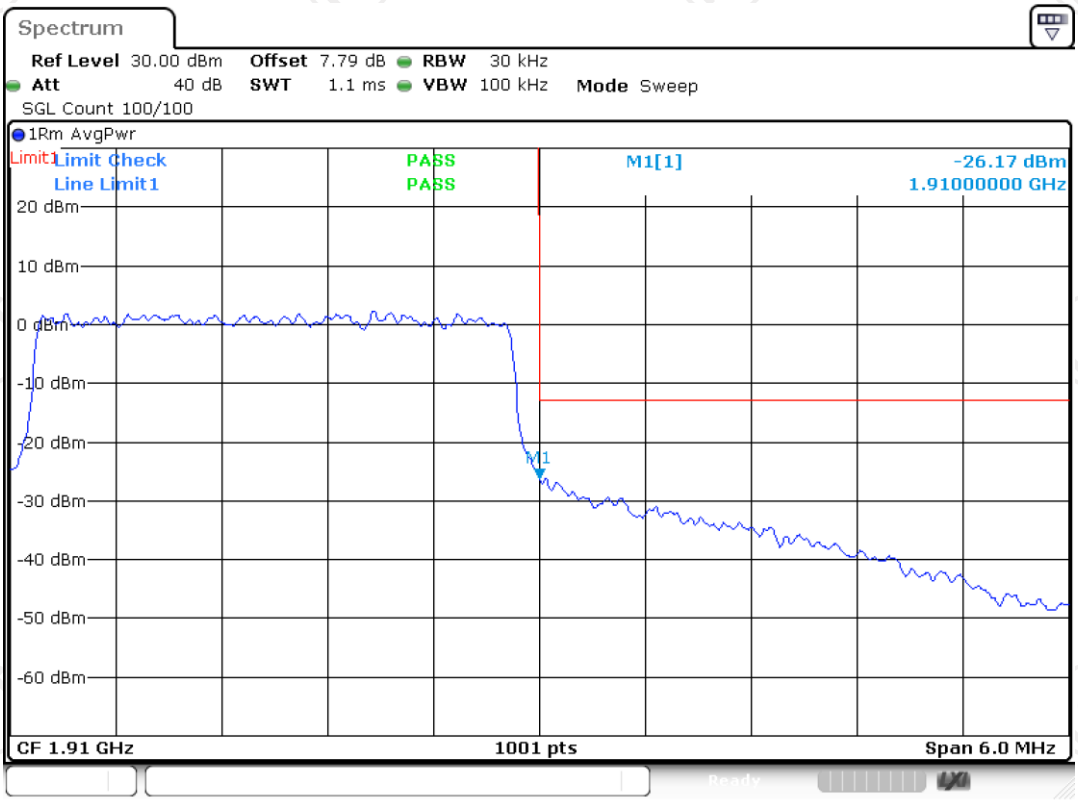
Date: 12.APR.2023 10:45:34

Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



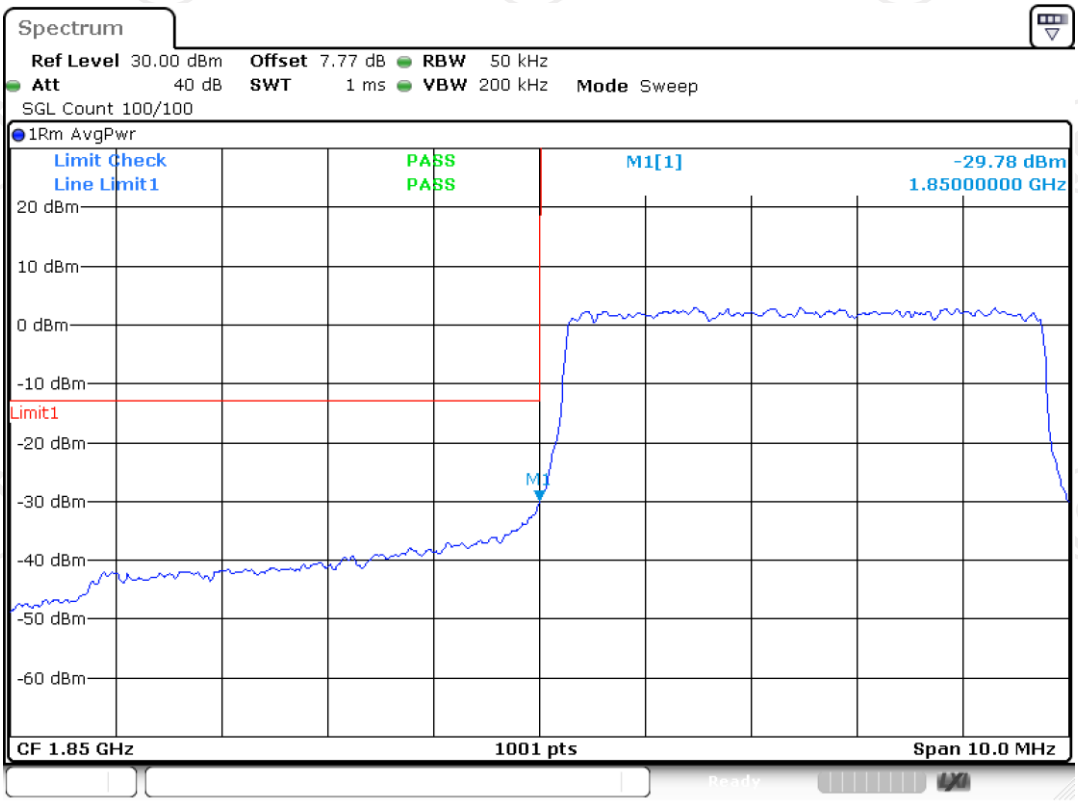
Date: 12.APR.2023 10:45:39

Band2 16QAM BW=3MHz Channel=19185 RB Size=15 Position=#0



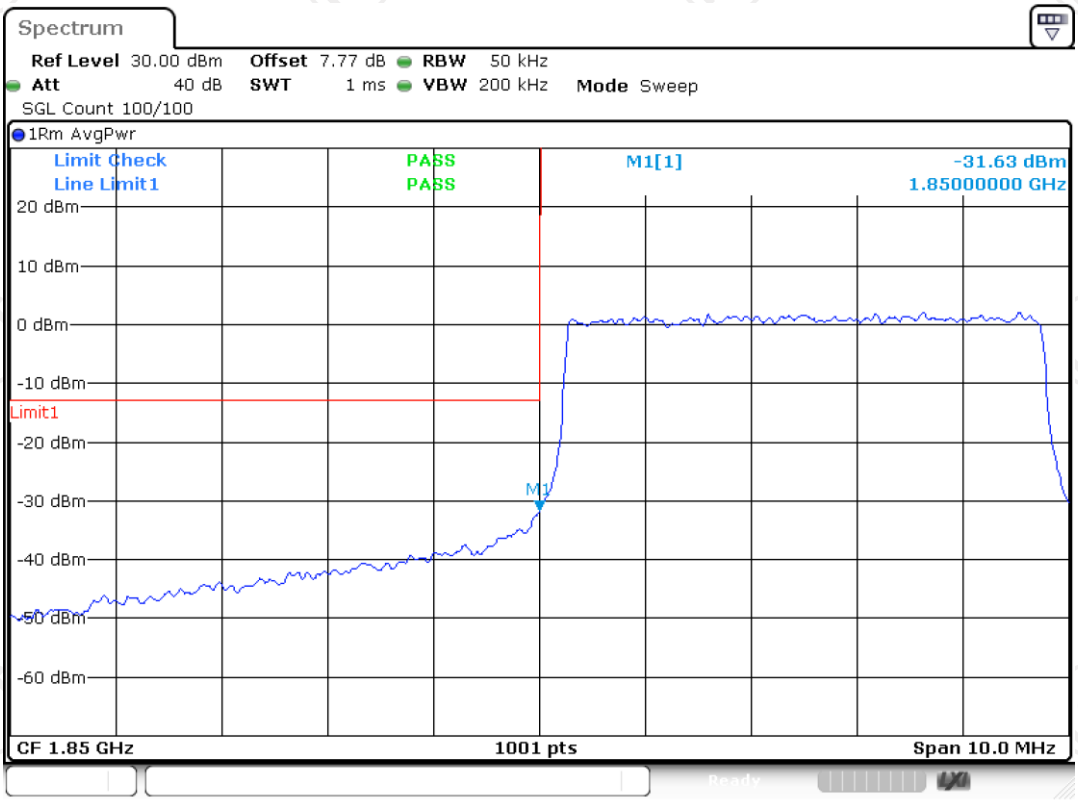
Date: 12.APR.2023 10:45:43

Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



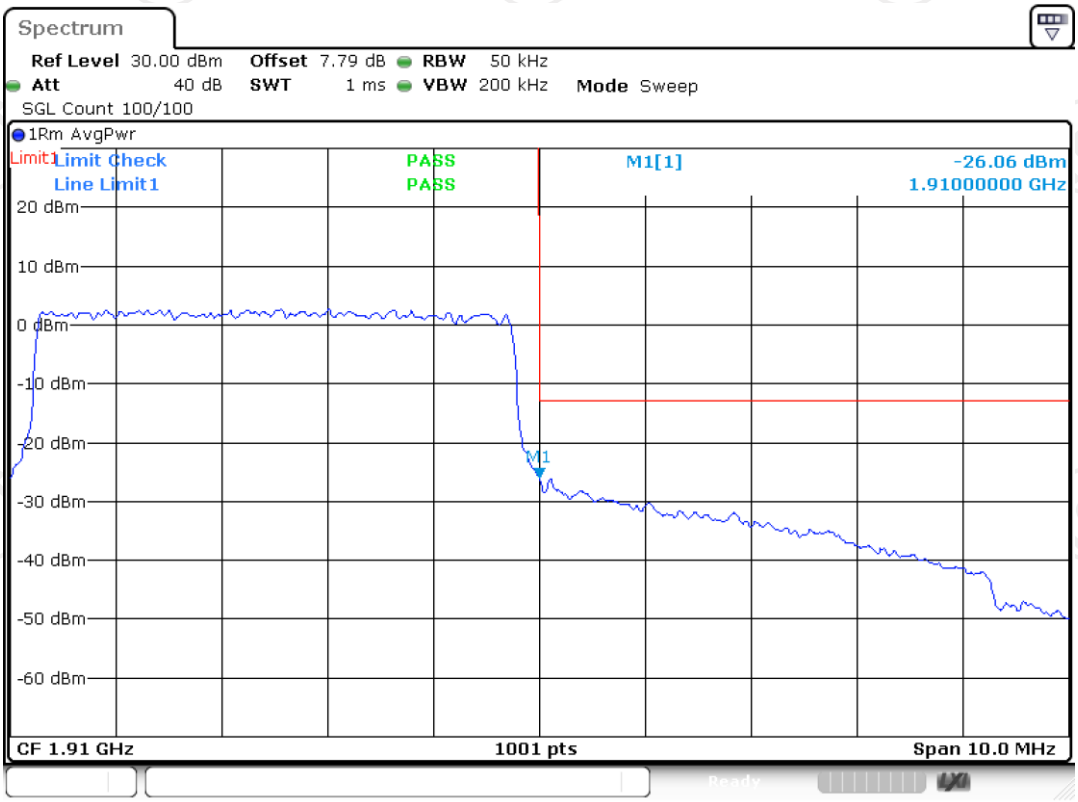
Date: 12.APR.2023 10:45:48

Band2 16QAM BW=5MHz Channel=18625 RB Size=25 Position=#0



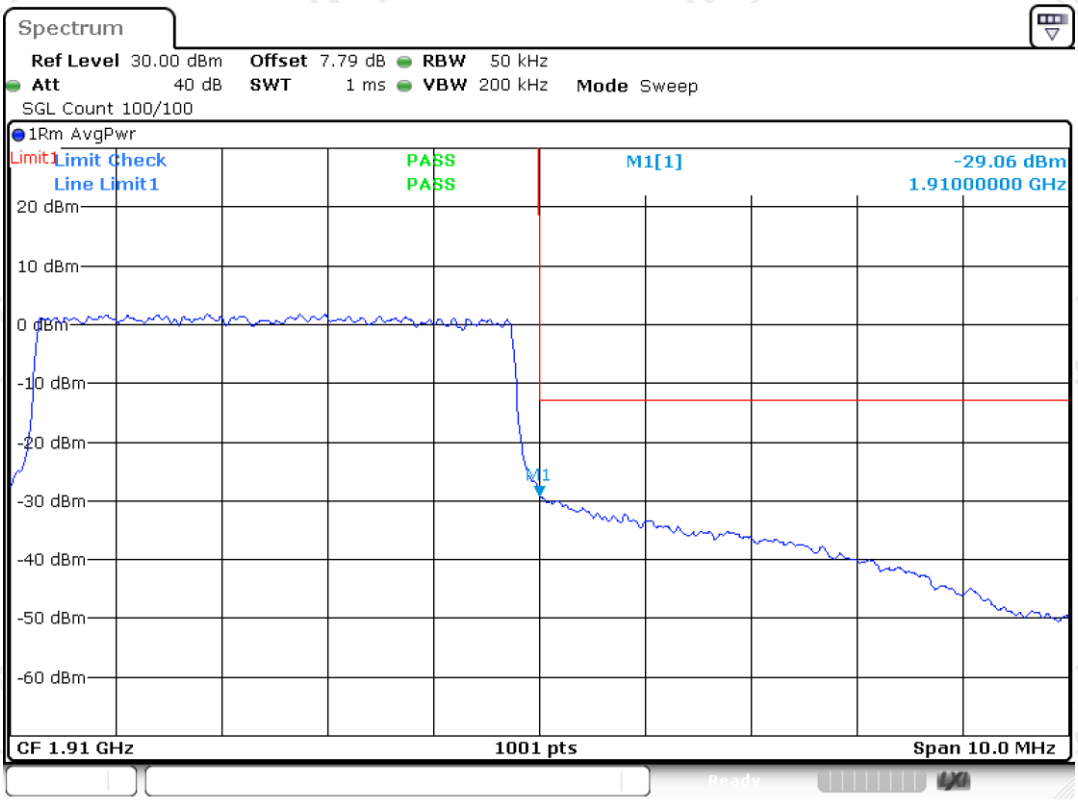
Date: 12.APR.2023 10:45:53

Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0



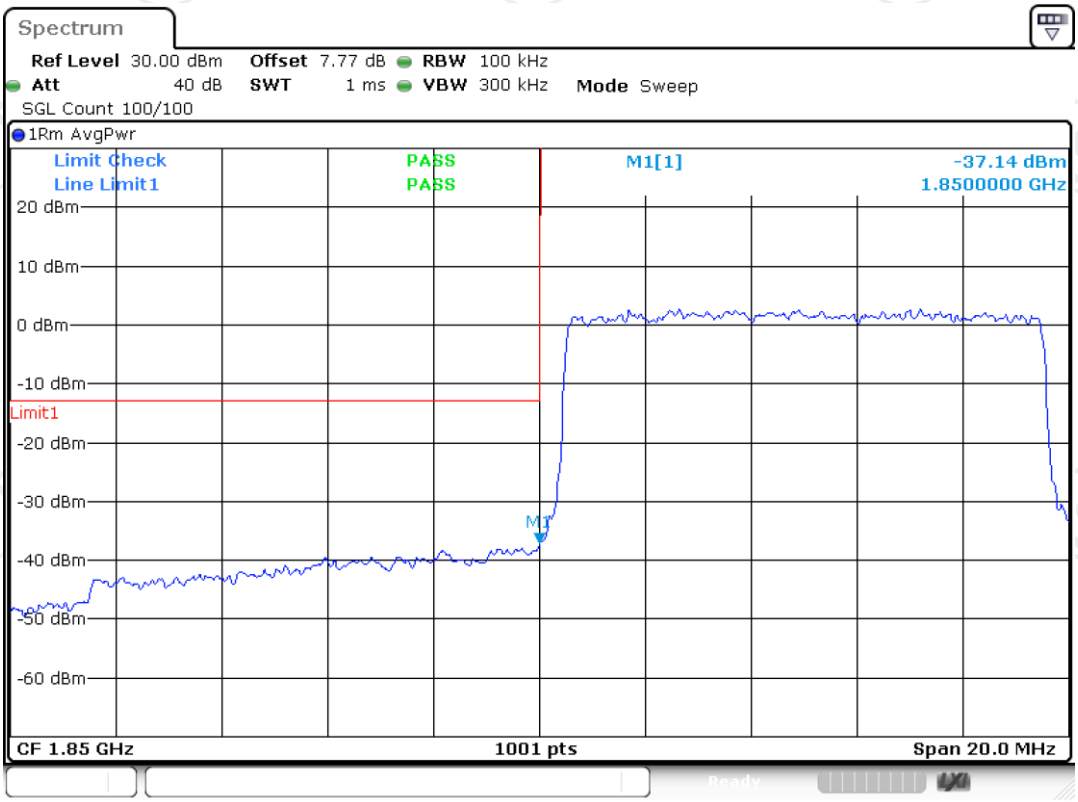
Date: 12.APR.2023 10:45:58

Band2 16QAM BW=5MHz Channel=19175 RB Size=25 Position=#0



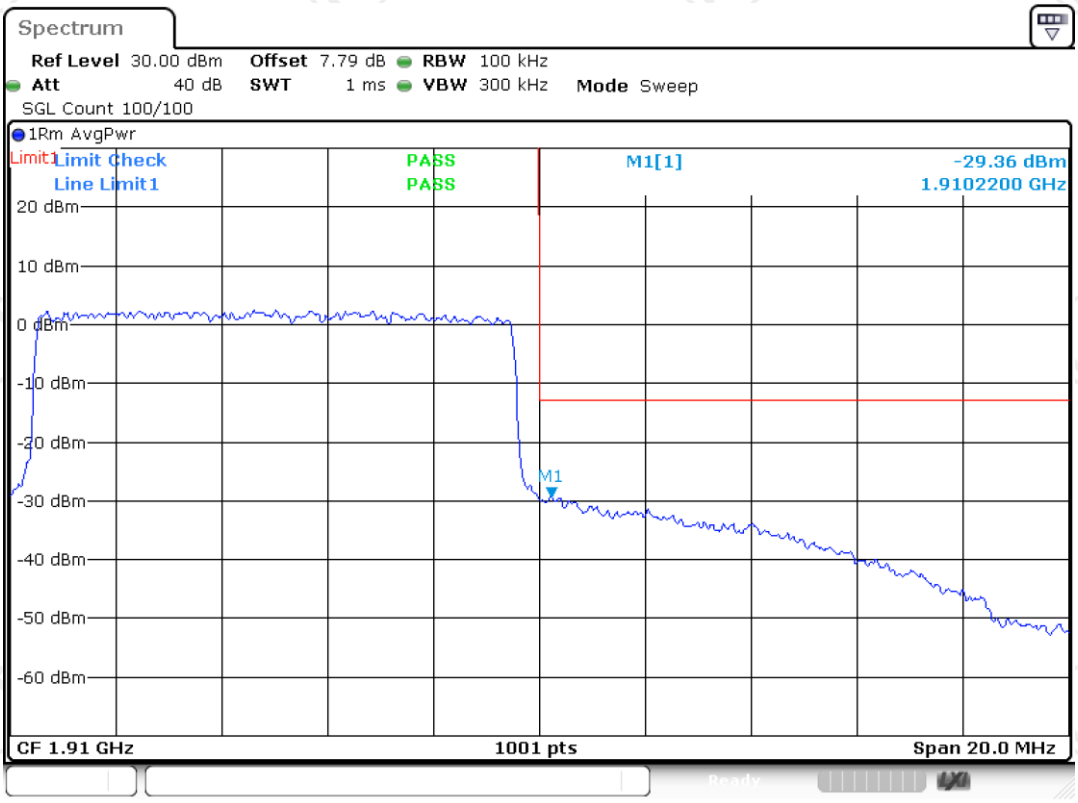
Date: 12.APR.2023 10:46:03

Band2 QPSK BW=10MHz Channel=18650 RB Size=50 Position=#0



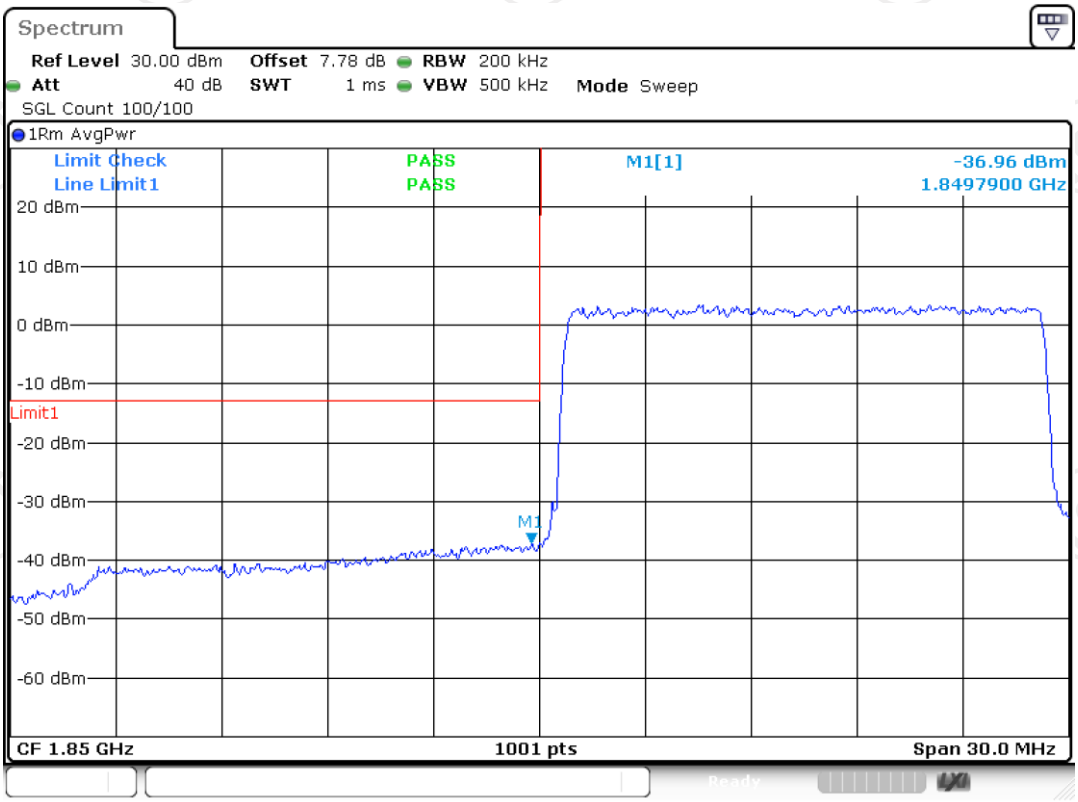
Date: 12.APR.2023 10:46:08

Band2 QPSK BW=10MHz Channel=19150 RB Size=50 Position=#0



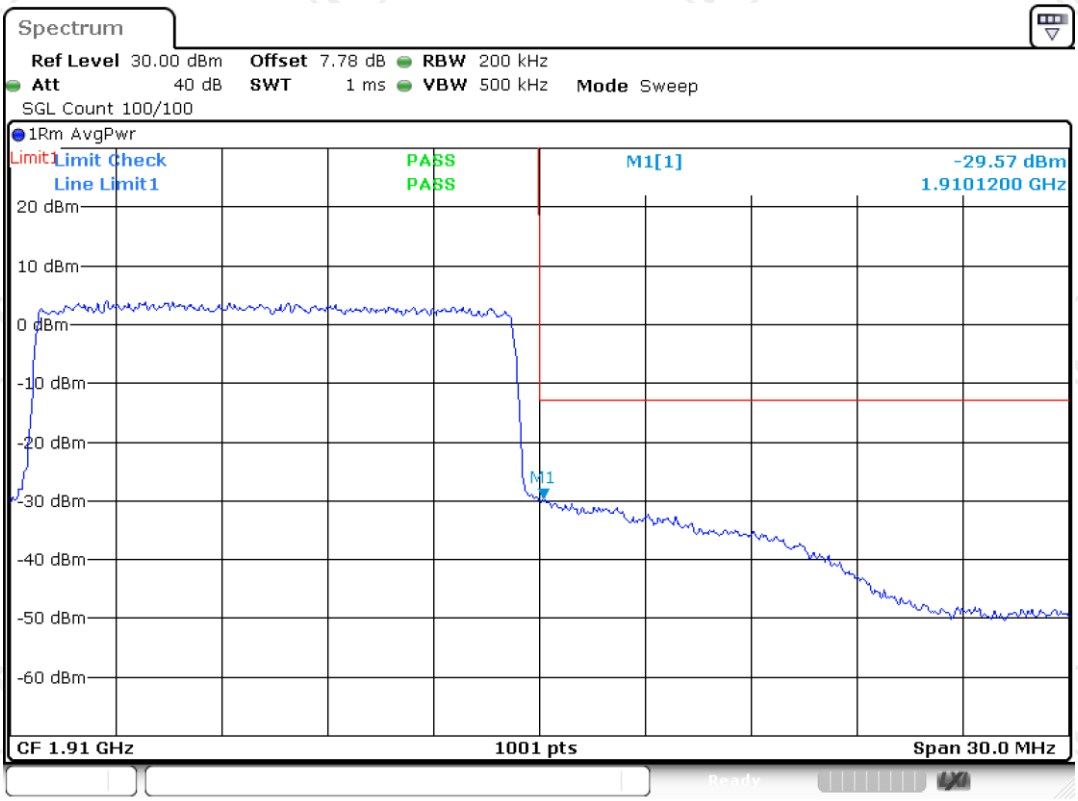
Date: 12.APR.2023 10:46:18

Band2 QPSK BW=15MHz Channel=18675 RB Size=75 Position=#0



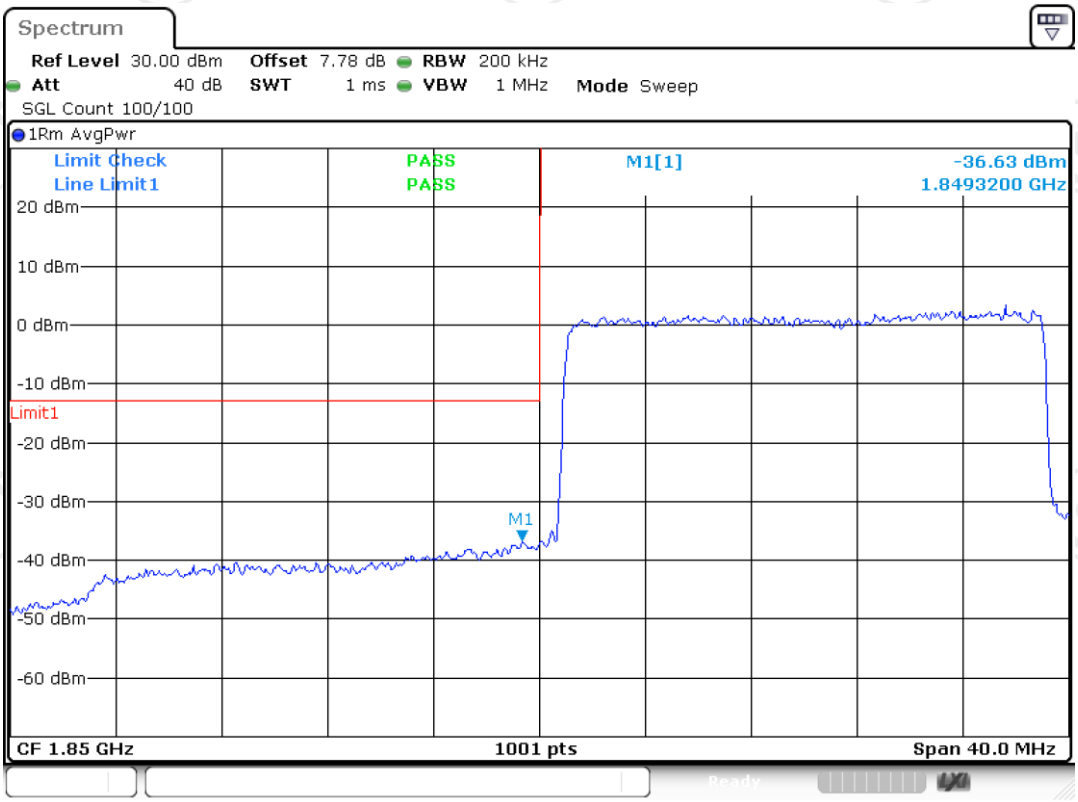
Date: 12.APR.2023 10:46:29

Band2 QPSK BW=15MHz Channel=19125 RB Size=75 Position=#0



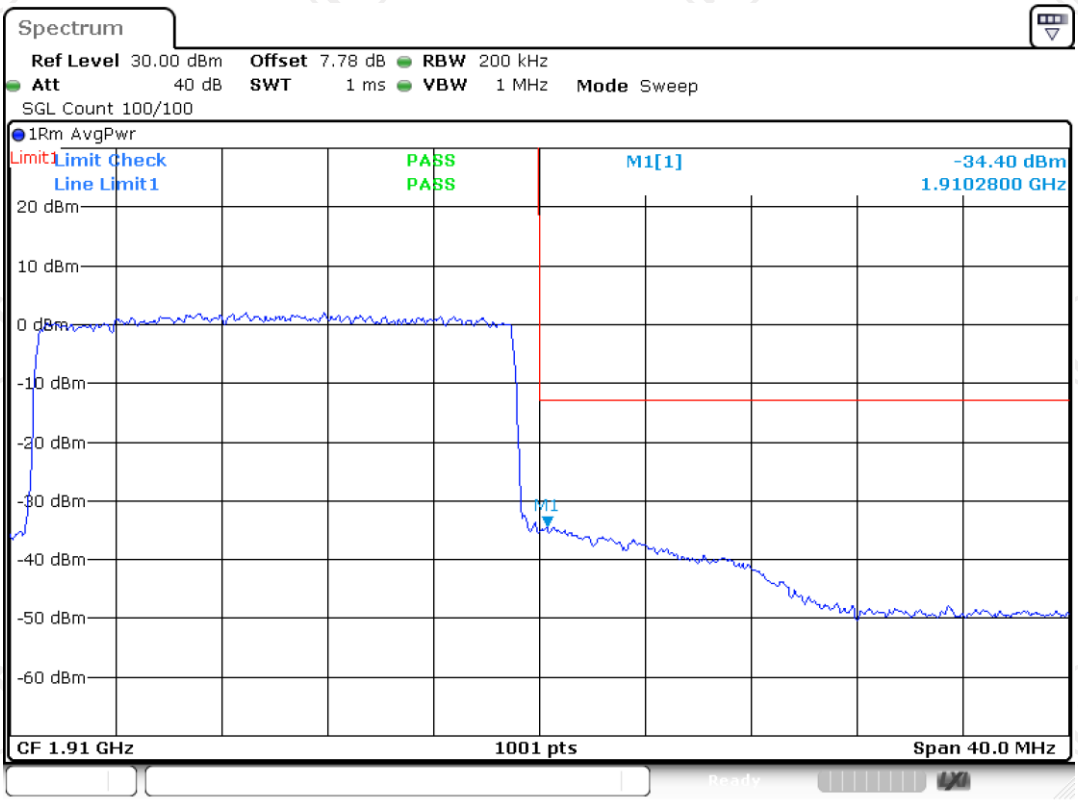
Date: 12.APR.2023 10:46:47

Band2 QPSK BW=20MHz Channel=18700 RB Size=100 Position=#0



Date: 12.APR.2023 10:46:59

Band2 QPSK BW=20MHz Channel=19100 RB Size=100 Position=#0

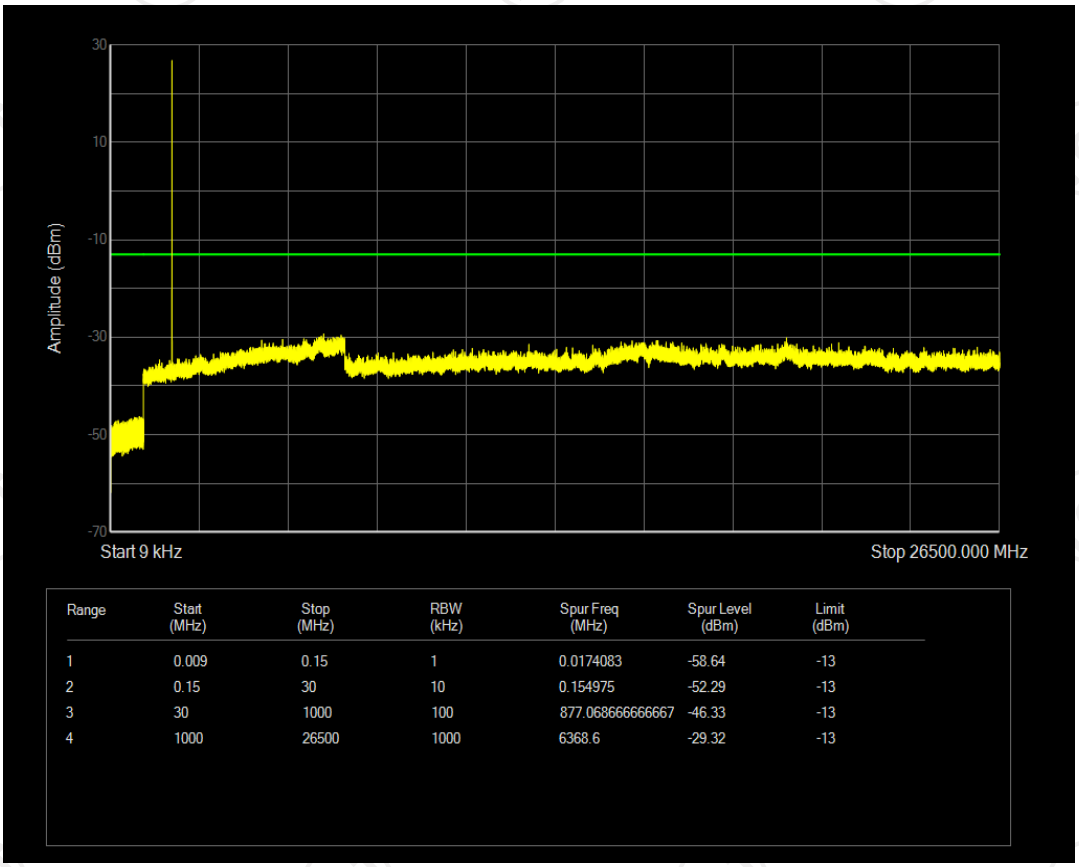


Date: 12.APR.2023 10:47:19

6 Out-of-band emissions

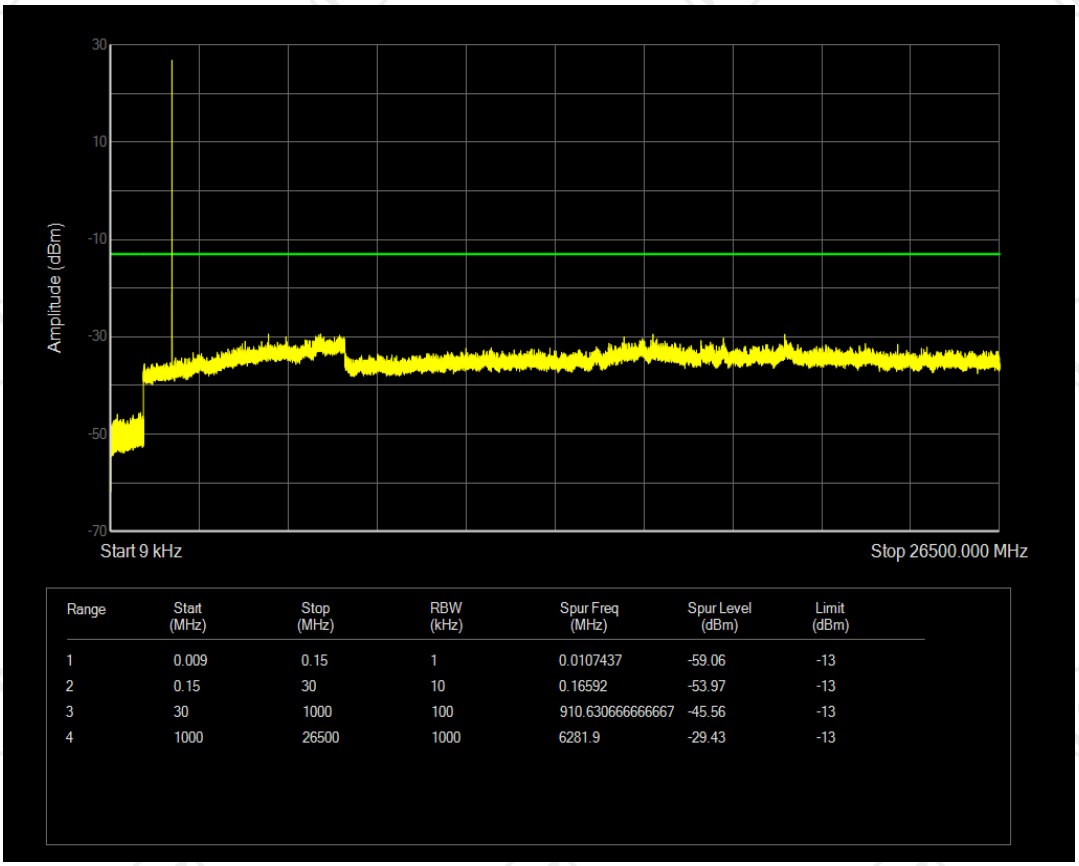
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band2	1.4	18607	1	#0	QPSK	6368.60	-29.32	-13	PASS
Band2	1.4	18607	1	#0	16QAM	6281.90	-29.43	-13	PASS
Band2	1.4	18900	1	#0	QPSK	6929.60	-28.11	-13	PASS
Band2	1.4	18900	1	#0	16QAM	6908.35	-29.40	-13	PASS
Band2	1.4	19193	1	#0	QPSK	6347.35	-29.36	-13	PASS
Band2	1.4	19193	1	#0	16QAM	6209.65	-29.44	-13	PASS
Band2	3	18615	1	#0	QPSK	6858.20	-28.41	-13	PASS
Band2	3	18615	1	#0	16QAM	6247.05	-28.37	-13	PASS
Band2	3	18900	1	#0	QPSK	6234.30	-28.30	-13	PASS
Band2	3	18900	1	#0	16QAM	6743.45	-29.07	-13	PASS
Band2	3	19185	1	#0	QPSK	6208.80	-28.92	-13	PASS
Band2	3	19185	1	#0	16QAM	6292.10	-29.47	-13	PASS
Band2	5	18625	1	#0	QPSK	6288.70	-28.64	-13	PASS
Band2	5	18625	1	#0	16QAM	5855.20	-29.20	-13	PASS
Band2	5	18900	1	#0	QPSK	5773.60	-29.86	-13	PASS
Band2	5	18900	1	#0	16QAM	6502.05	-29.89	-13	PASS
Band2	5	19175	1	#0	QPSK	15802.75	-29.32	-13	PASS
Band2	5	19175	1	#0	16QAM	6154.40	-29.21	-13	PASS
Band2	10	18650	1	#0	QPSK	6217.30	-28.97	-13	PASS
Band2	10	18900	1	#0	QPSK	6937.25	-29.69	-13	PASS
Band2	10	19150	1	#0	QPSK	6491.00	-29.16	-13	PASS
Band2	15	18675	1	#0	QPSK	6281.05	-28.49	-13	PASS
Band2	15	18900	1	#0	QPSK	6285.30	-29.36	-13	PASS
Band2	15	19125	1	#0	QPSK	5860.30	-28.98	-13	PASS
Band2	20	18700	1	#0	QPSK	6433.20	-29.00	-13	PASS
Band2	20	18900	1	#0	QPSK	6252.15	-29.48	-13	PASS
Band2	20	19100	1	#0	QPSK	6906.65	-28.90	-13	PASS

Band2 QPSK BW=1.4MHz Channel=18607 RB Size=1 Position=#0



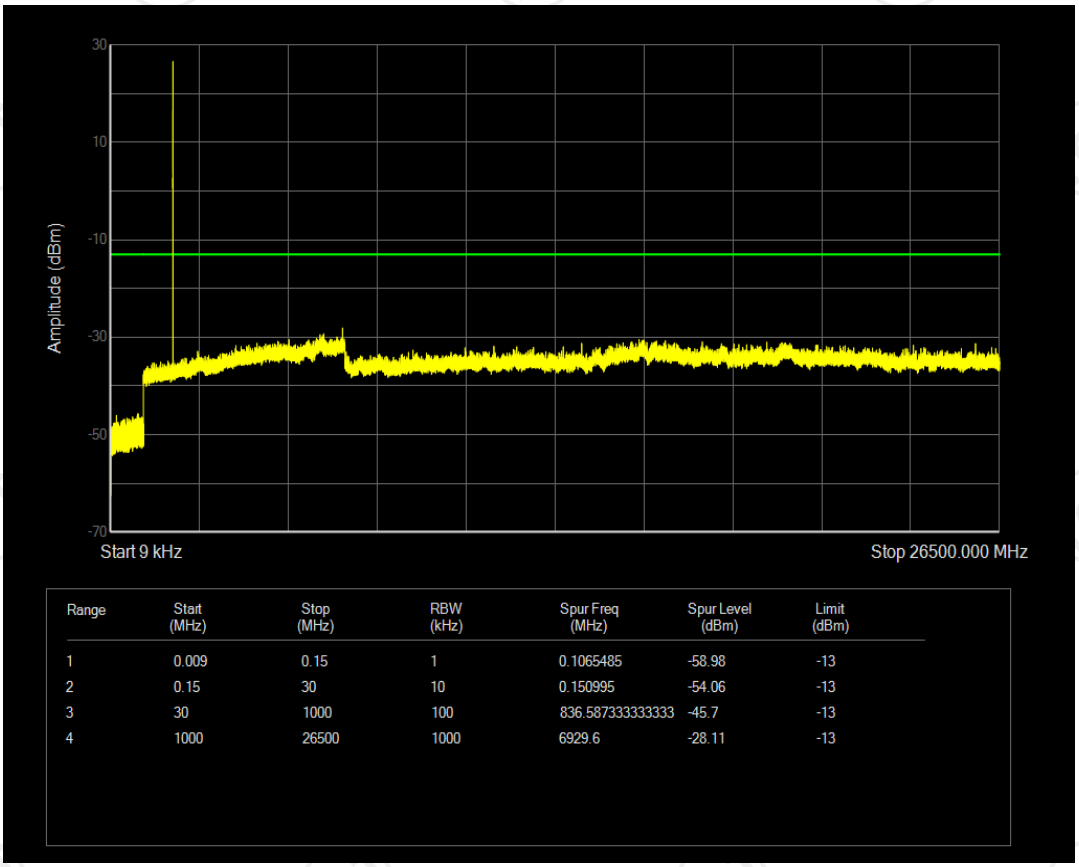
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0174083	-58.64	-13
2	0.15	30	10	0.154975	-52.29	-13
3	30	1000	100	877.068666666667	-46.33	-13
4	1000	26500	1000	6368.6	-29.32	-13

Band2 16QAM BW=1.4MHz Channel=18607 RB Size=1 Position=#0



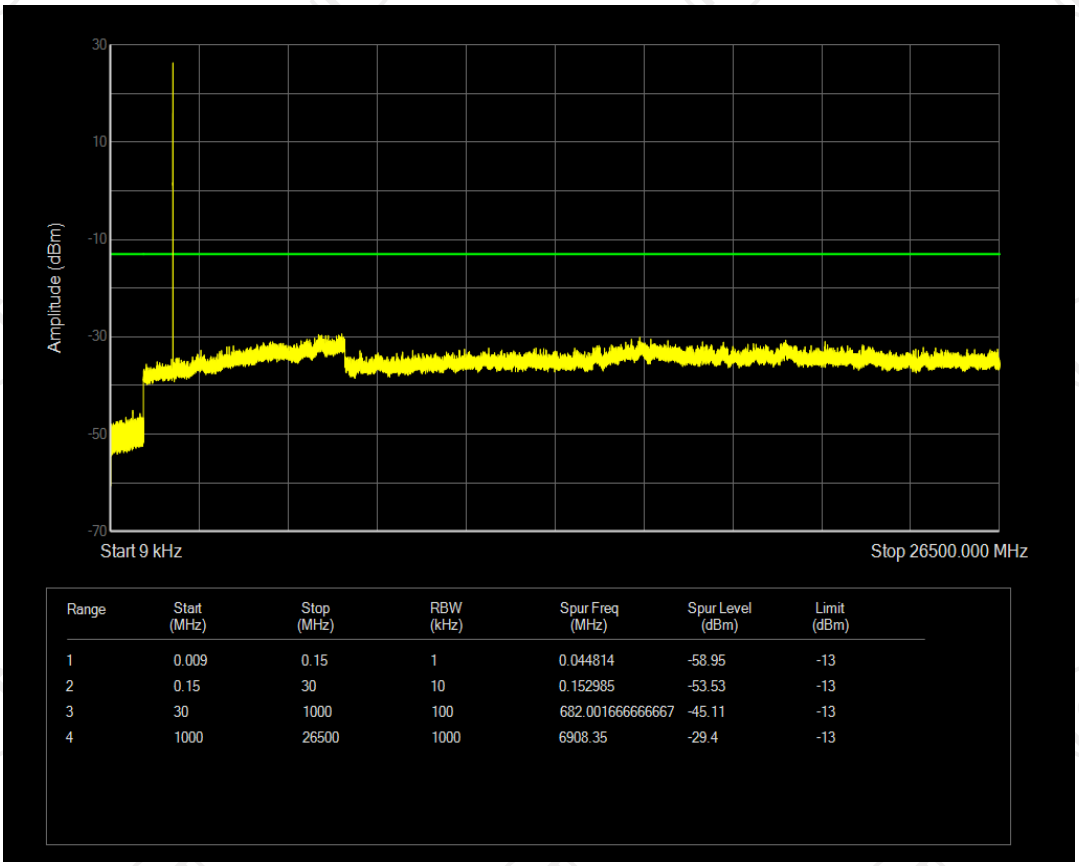
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0107437	-59.06	-13
2	0.15	30	10	0.16592	-53.97	-13
3	30	1000	100	910.630666666667	-45.56	-13
4	1000	26500	1000	6281.9	-29.43	-13

Band2 QPSK BW=1.4MHz Channel=18900 RB Size=1 Position=#0



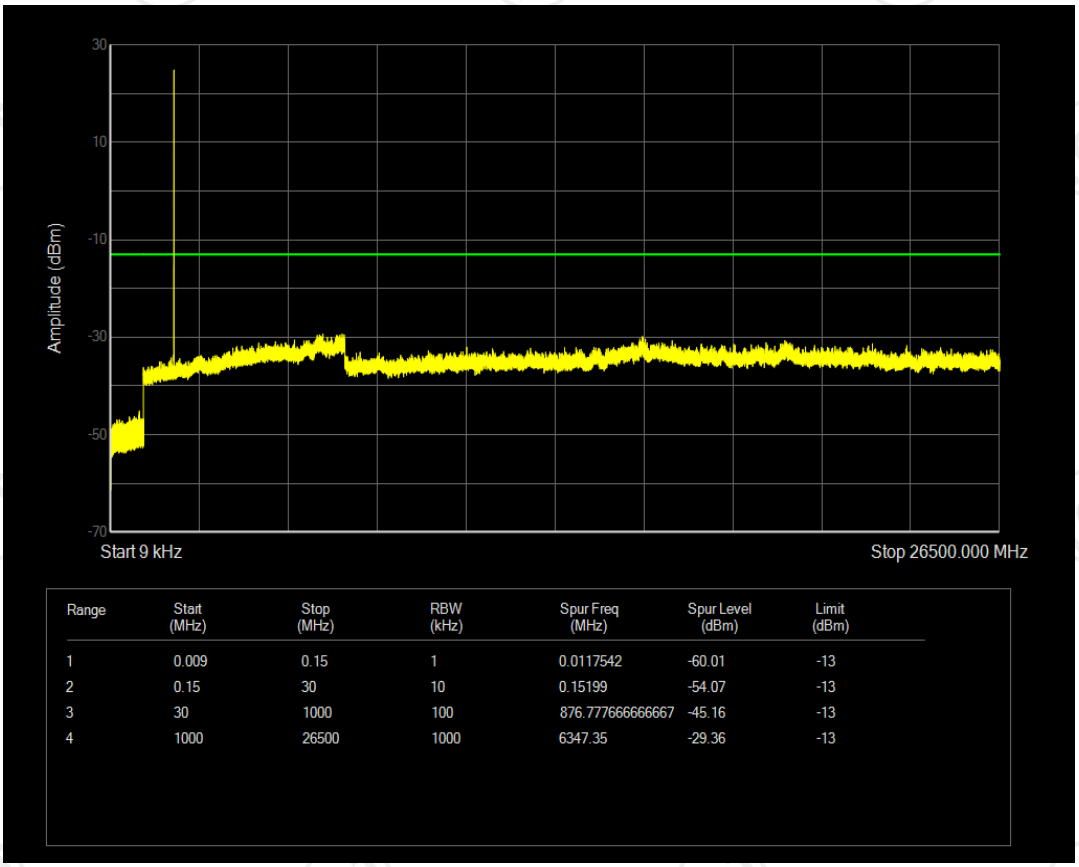
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1065485	-58.98	-13
2	0.15	30	10	0.150995	-54.06	-13
3	30	1000	100	836.587333333333	-45.7	-13
4	1000	26500	1000	6929.6	-28.11	-13

Band2 16QAM BW=1.4MHz Channel=18900 RB Size=1 Position=#0



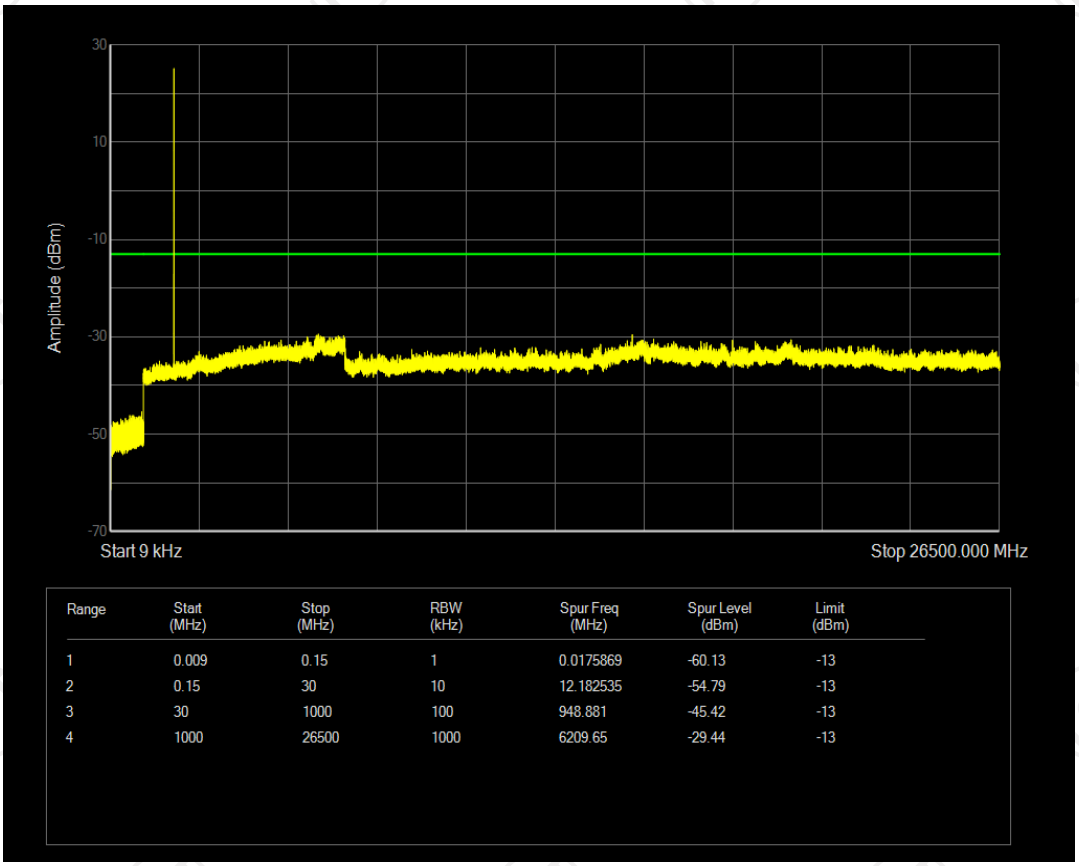
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.044814	-58.95	-13
2	0.15	30	10	0.152985	-53.53	-13
3	30	1000	100	682.001666666667	-45.11	-13
4	1000	26500	1000	6908.35	-29.4	-13

Band2 QPSK BW=1.4MHz Channel=19193 RB Size=1 Position=#0



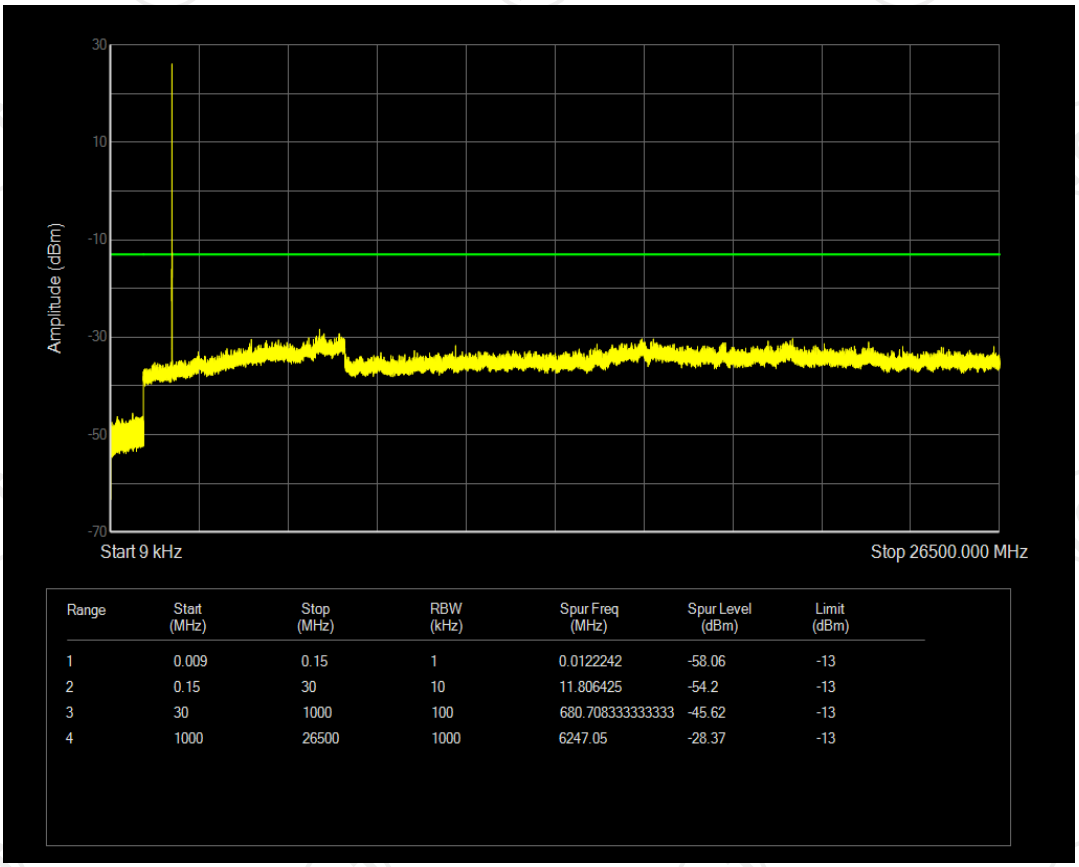
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0117542	-60.01	-13
2	0.15	30	10	0.15199	-54.07	-13
3	30	1000	100	876.777666666667	-45.16	-13
4	1000	26500	1000	6347.35	-29.36	-13

Band2 16QAM BW=1.4MHz Channel=19193 RB Size=1 Position=#0



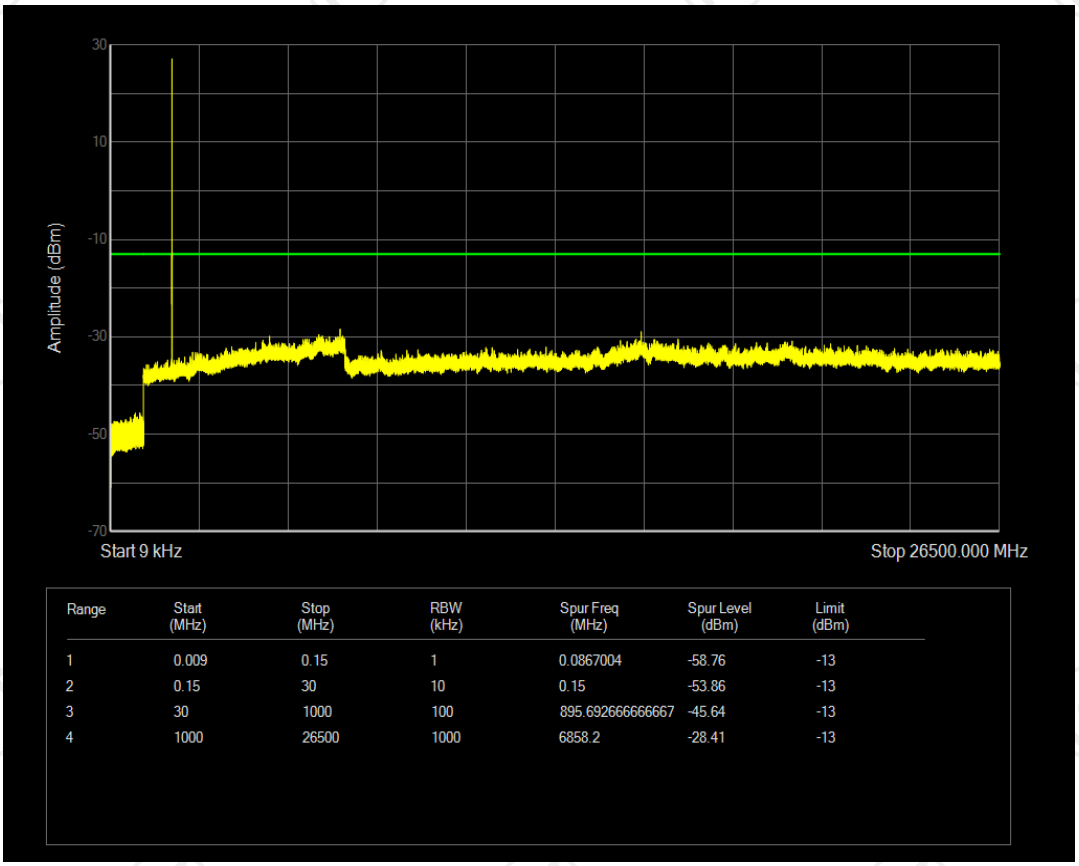
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0175869	-60.13	-13
2	0.15	30	10	12.182535	-54.79	-13
3	30	1000	100	948.881	-45.42	-13
4	1000	26500	1000	6209.65	-29.44	-13

Band2 16QAM BW=3MHz Channel=18615 RB Size=1 Position=#0



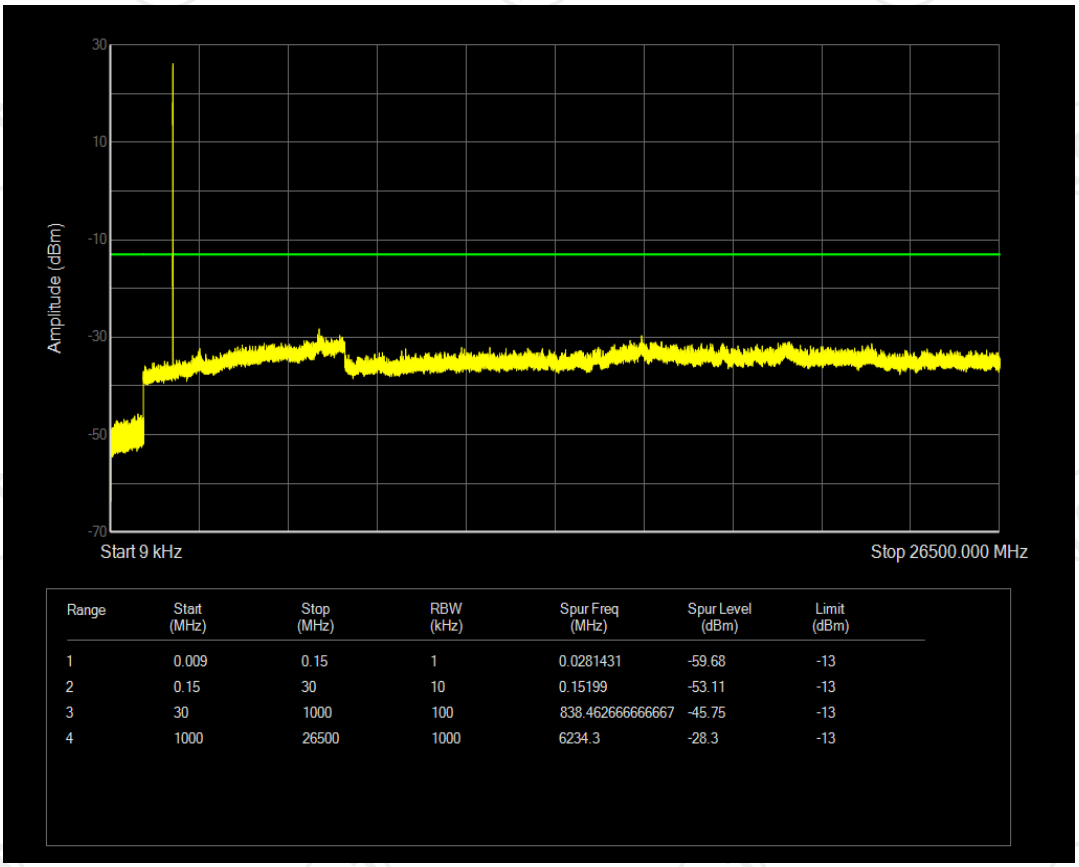
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0122242	-58.06	-13
2	0.15	30	10	11.806425	-54.2	-13
3	30	1000	100	680.708333333333	-45.62	-13
4	1000	26500	1000	6247.05	-28.37	-13

Band2 QPSK BW=3MHz Channel=18615 RB Size=1 Position=#0



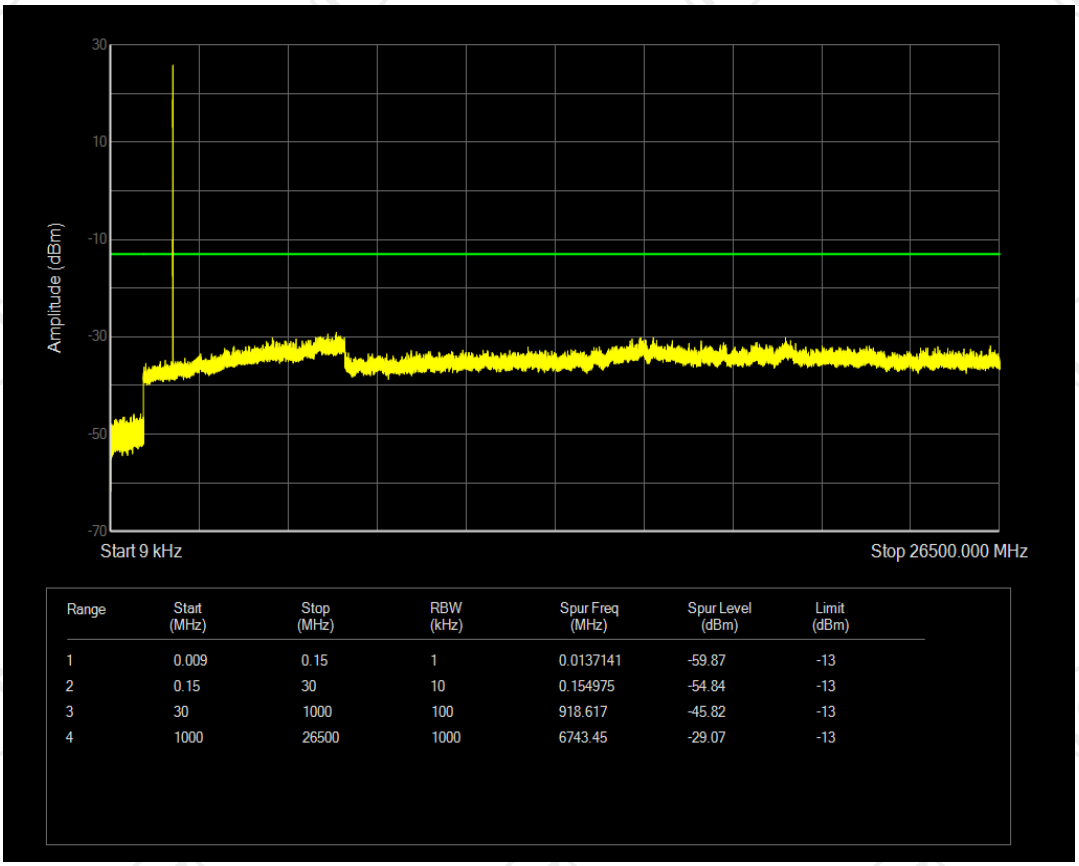
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0867004	-58.76	-13
2	0.15	30	10	0.15	-53.86	-13
3	30	1000	100	895.692666666667	-45.64	-13
4	1000	26500	1000	6858.2	-28.41	-13

Band2 QPSK BW=3MHz Channel=18900 RB Size=1 Position=#0



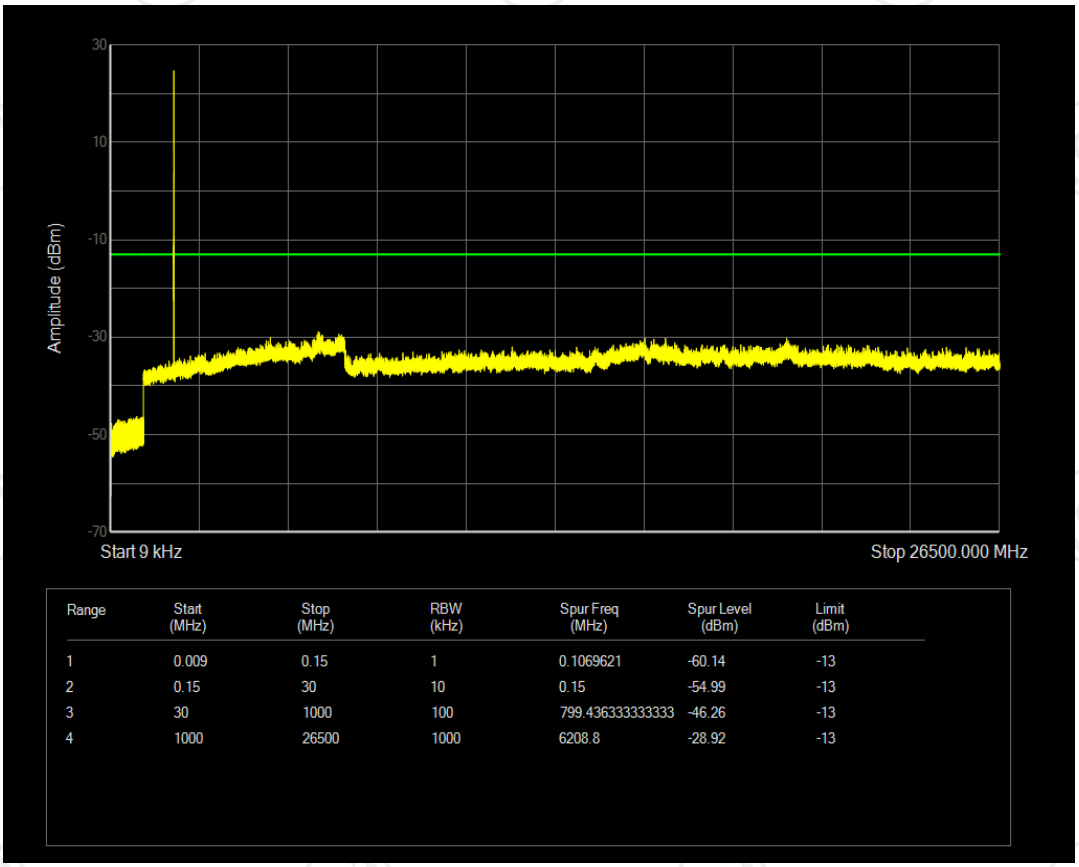
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0281431	-59.68	-13
2	0.15	30	10	0.15199	-53.11	-13
3	30	1000	100	838.462666666667	-45.75	-13
4	1000	26500	1000	6234.3	-28.3	-13

Band2 16QAM BW=3MHz Channel=18900 RB Size=1 Position=#0



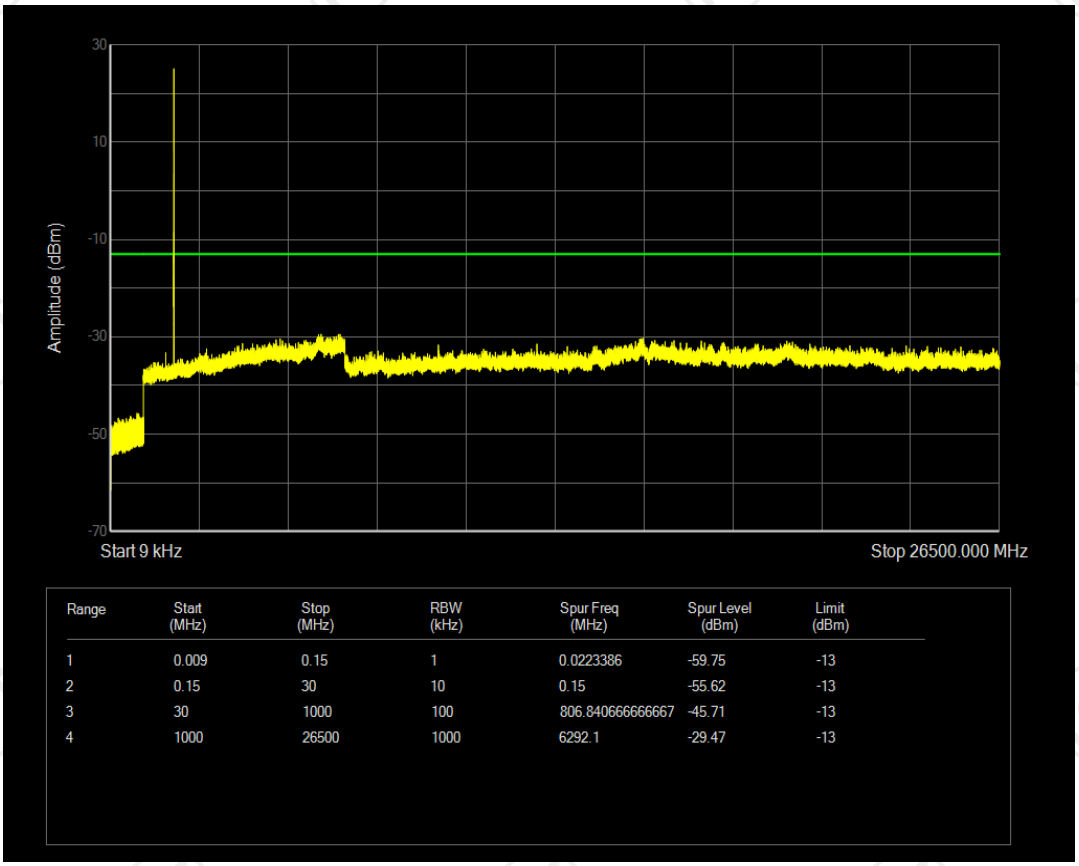
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0137141	-59.87	-13
2	0.15	30	10	0.154975	-54.84	-13
3	30	1000	100	918.617	-45.82	-13
4	1000	26500	1000	6743.45	-29.07	-13

Band2 QPSK BW=3MHz Channel=19185 RB Size=1 Position=#0



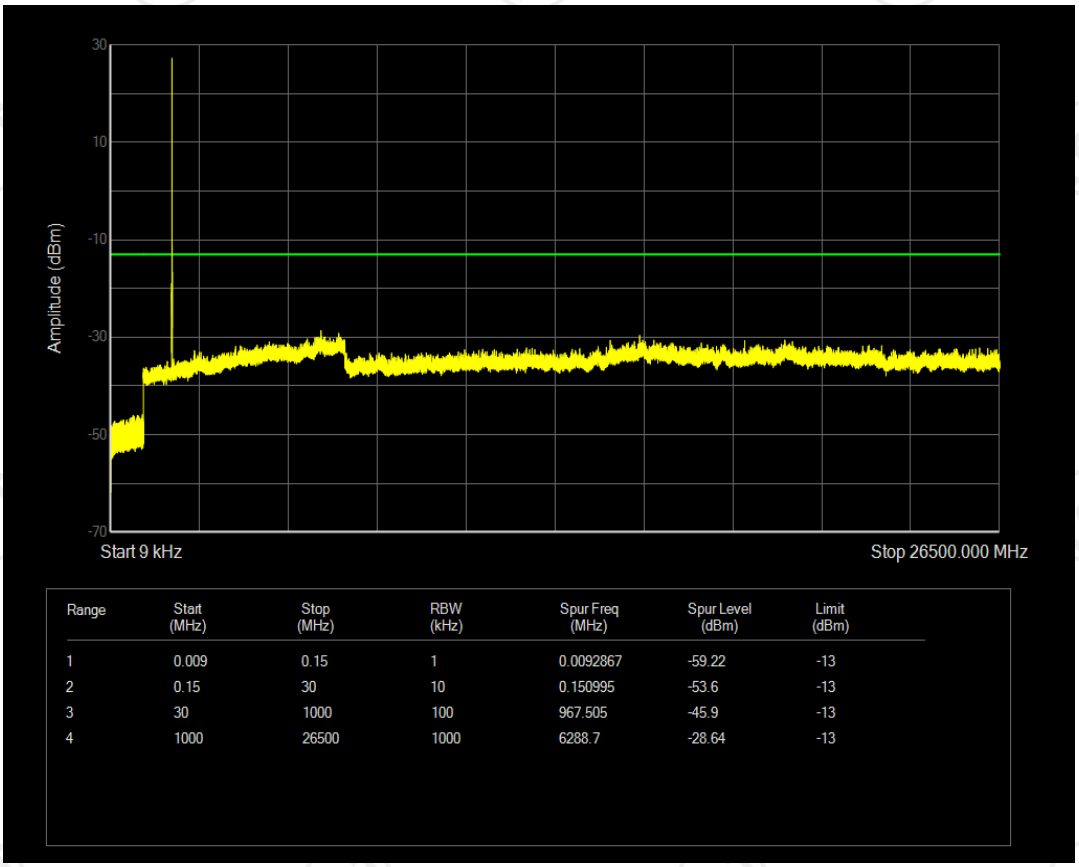
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1069621	-60.14	-13
2	0.15	30	10	0.15	-54.99	-13
3	30	1000	100	799.436333333333	-46.26	-13
4	1000	26500	1000	6208.8	-28.92	-13

Band2 16QAM BW=3MHz Channel=19185 RB Size=1 Position=#0



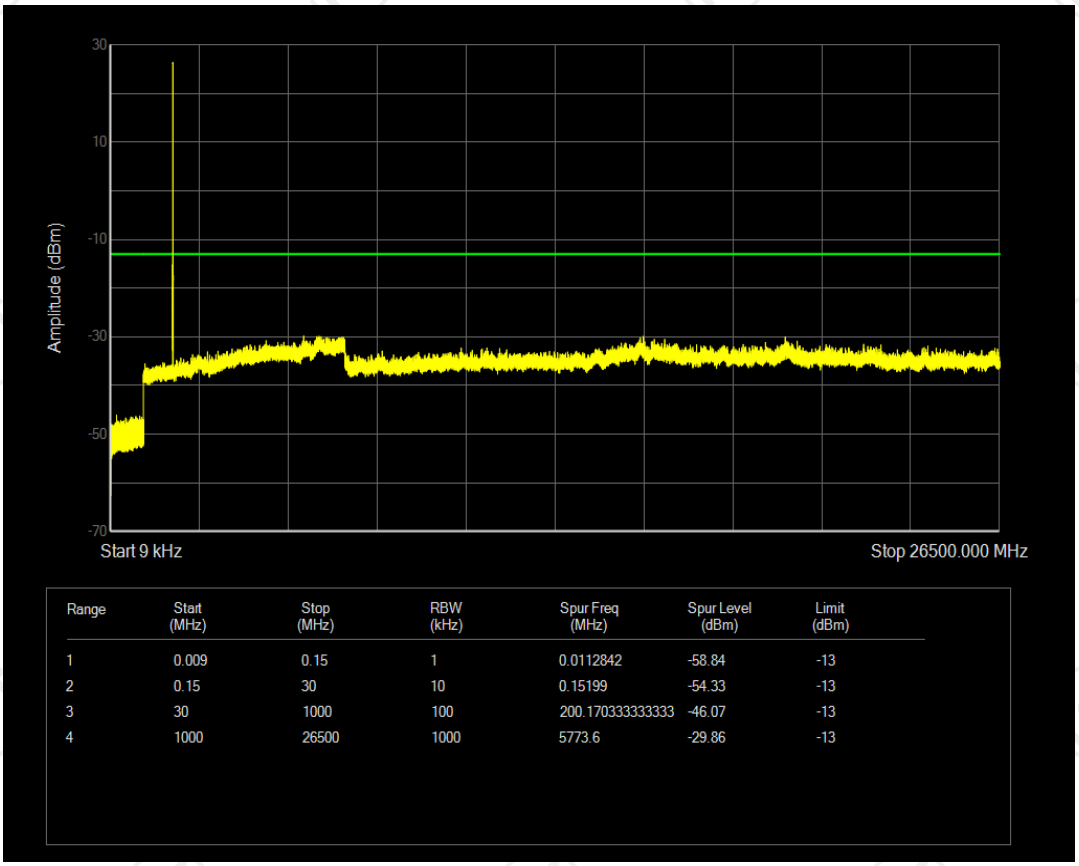
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0223386	-59.75	-13
2	0.15	30	10	0.15	-55.62	-13
3	30	1000	100	806.840666666667	-45.71	-13
4	1000	26500	1000	6292.1	-29.47	-13

Band2 QPSK BW=5MHz Channel=18625 RB Size=1 Position=#0



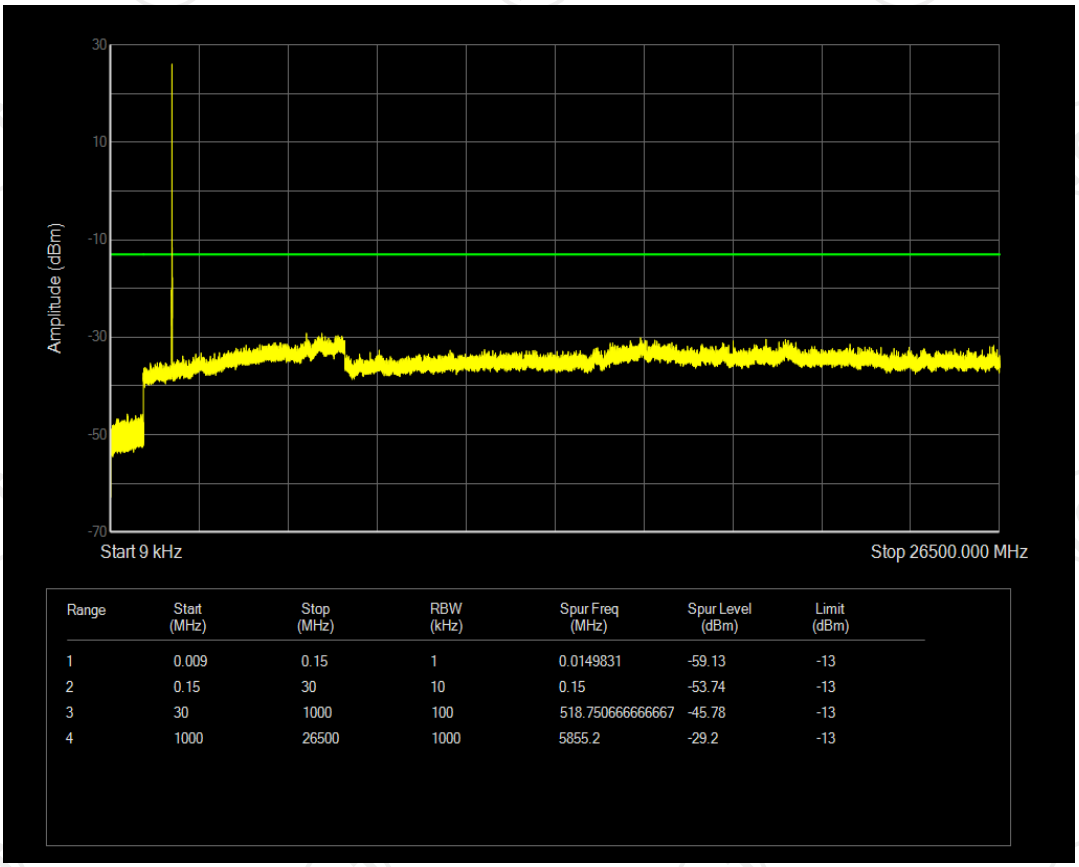
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0092867	-59.22	-13
2	0.15	30	10	0.150995	-53.6	-13
3	30	1000	100	967.505	-45.9	-13
4	1000	26500	1000	6288.7	-28.64	-13

Band2 QPSK BW=5MHz Channel=18900 RB Size=1 Position=#0



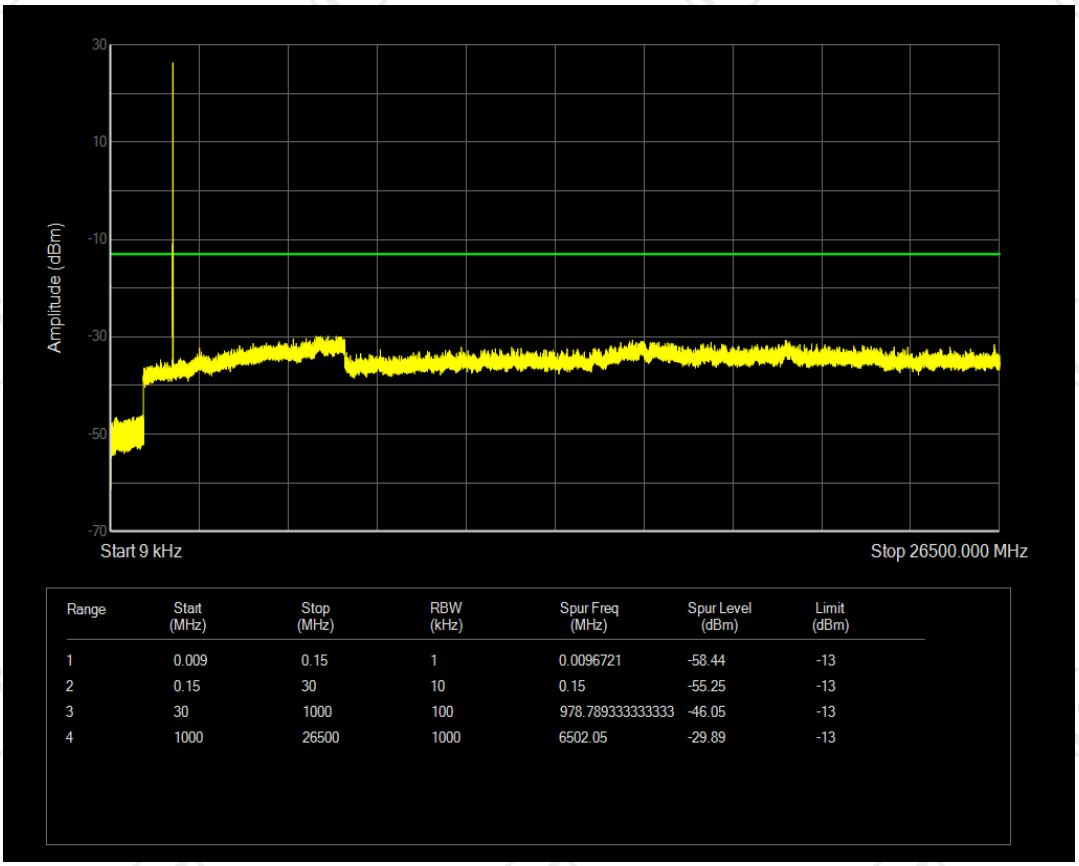
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0112842	-58.84	-13
2	0.15	30	10	0.15199	-54.33	-13
3	30	1000	100	200.170333333333	-46.07	-13
4	1000	26500	1000	5773.6	-29.86	-13

Band2 16QAM BW=5MHz Channel=18625 RB Size=1 Position=#0



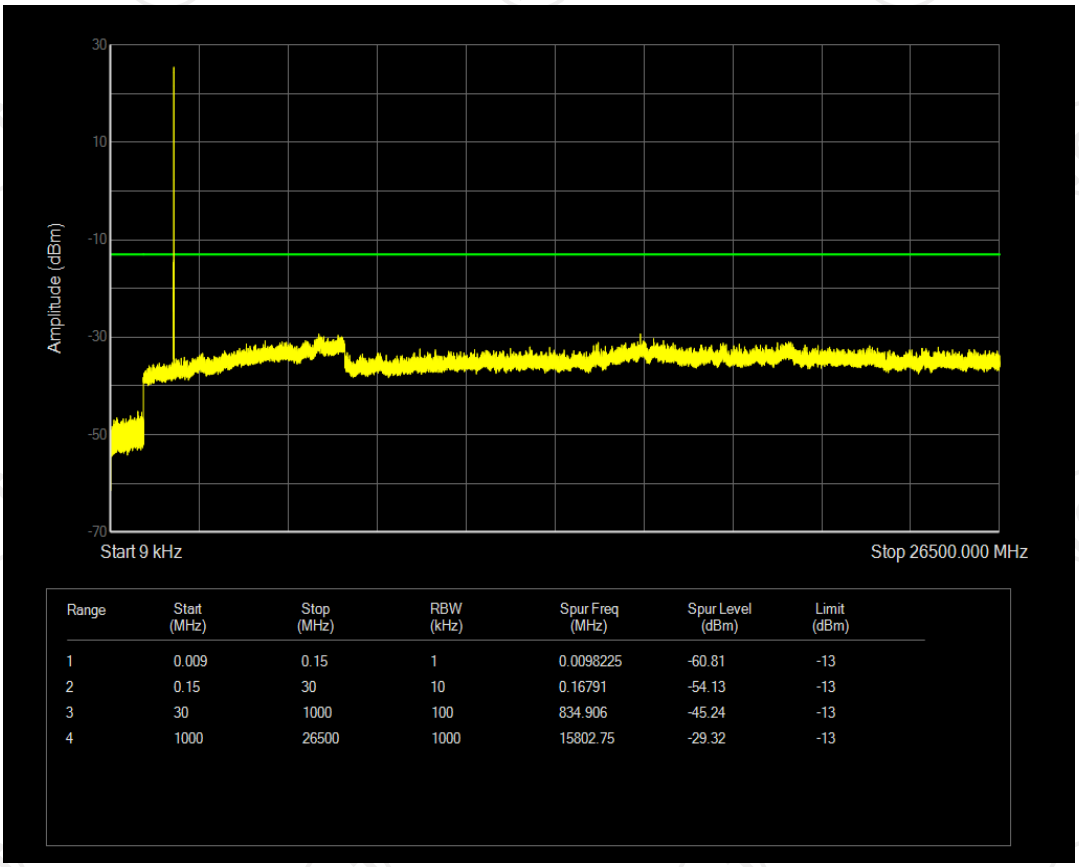
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0149831	-59.13	-13
2	0.15	30	10	0.15	-53.74	-13
3	30	1000	100	518.750666666667	-45.78	-13
4	1000	26500	1000	5855.2	-29.2	-13

Band2 16QAM BW=5MHz Channel=18900 RB Size=1 Position=#0



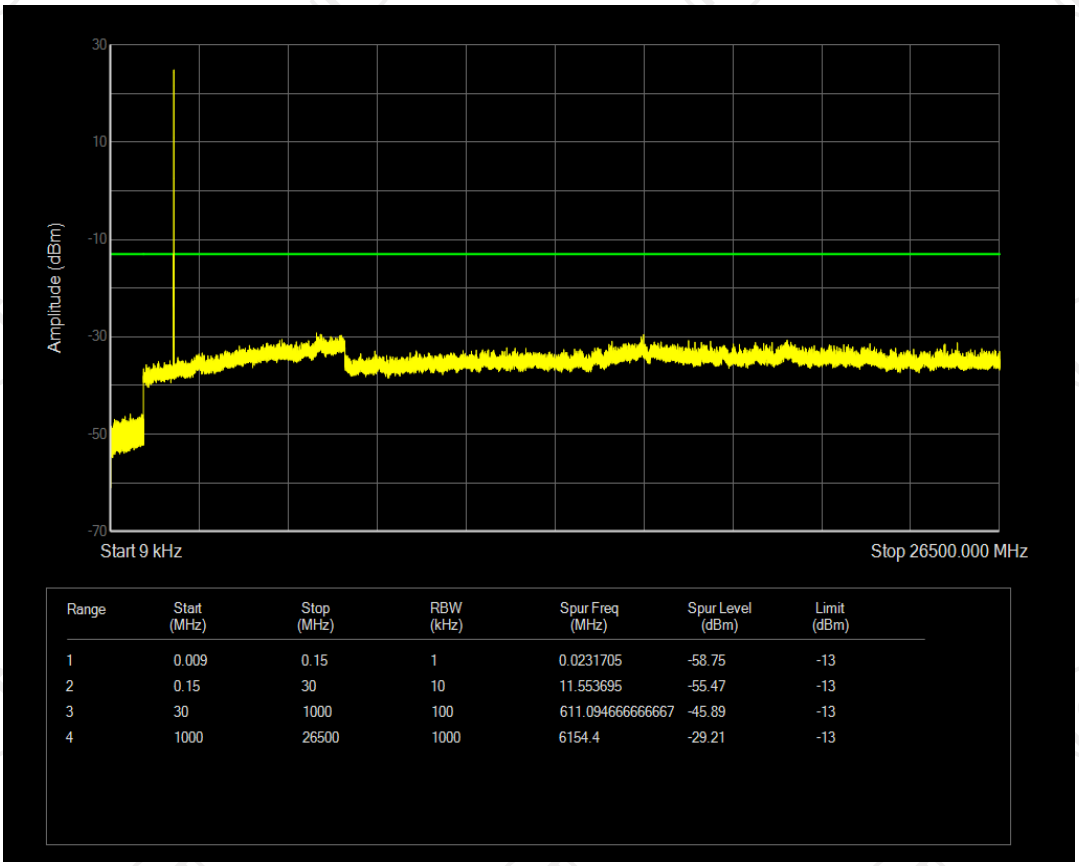
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0096721	-58.44	-13
2	0.15	30	10	0.15	-55.25	-13
3	30	1000	100	978.789333333333	-46.05	-13
4	1000	26500	1000	6502.05	-29.89	-13

Band2 QPSK BW=5MHz Channel=19175 RB Size=1 Position=#0



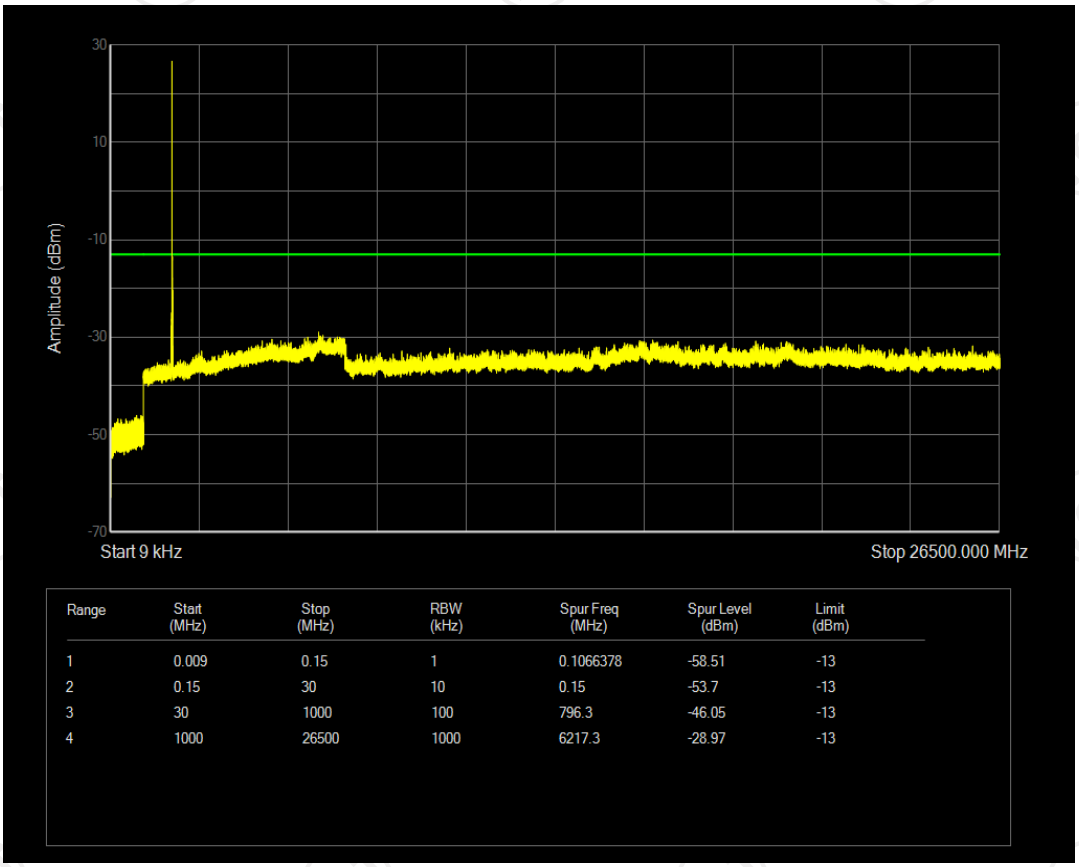
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0098225	-60.81	-13
2	0.15	30	10	0.16791	-54.13	-13
3	30	1000	100	834.906	-45.24	-13
4	1000	26500	1000	15802.75	-29.32	-13

Band2 16QAM BW=5MHz Channel=19175 RB Size=1 Position=#0



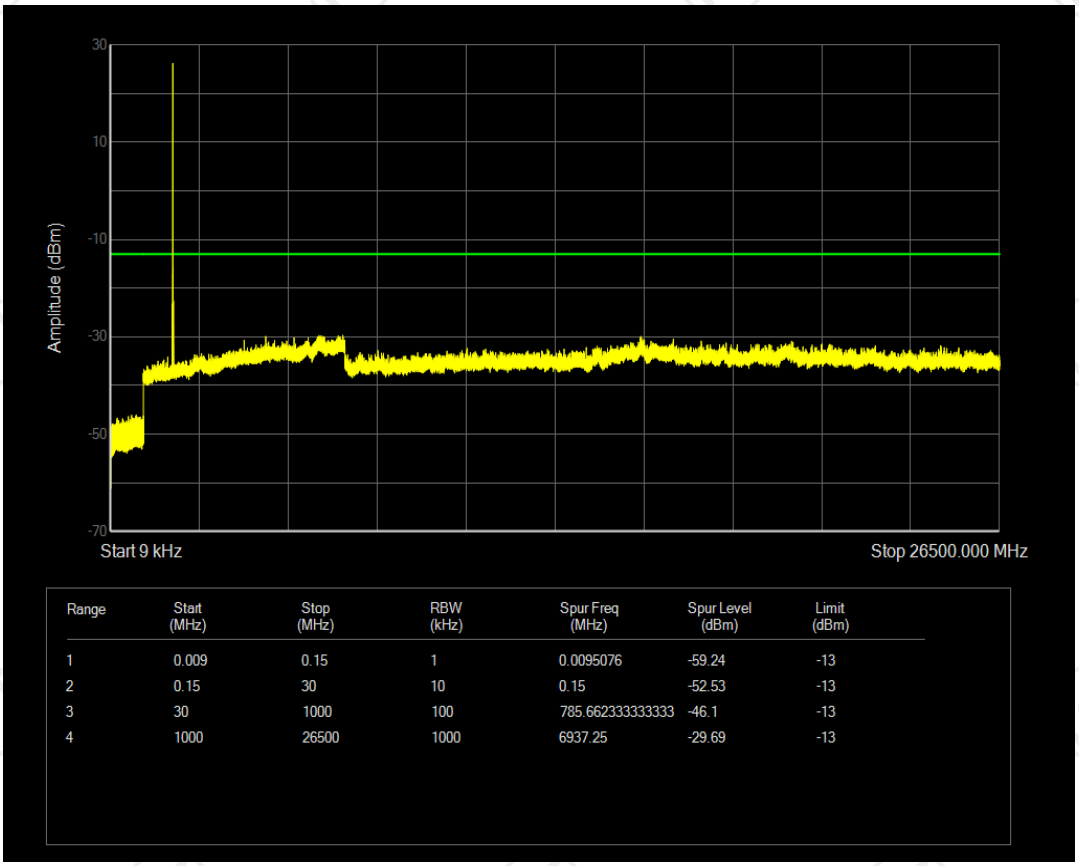
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0231705	-58.75	-13
2	0.15	30	10	11.553695	-55.47	-13
3	30	1000	100	611.094666666667	-45.89	-13
4	1000	26500	1000	6154.4	-29.21	-13

Band2 QPSK BW=10MHz Channel=18650 RB Size=1 Position=#0



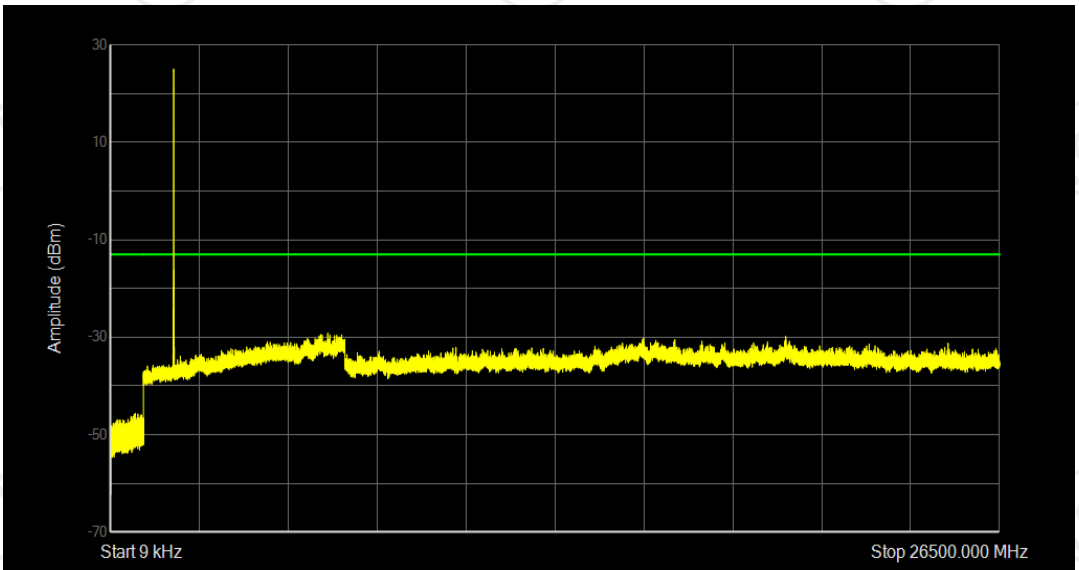
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1066378	-58.51	-13
2	0.15	30	10	0.15	-53.7	-13
3	30	1000	100	796.3	-46.05	-13
4	1000	26500	1000	6217.3	-28.97	-13

Band2 QPSK BW=10MHz Channel=18900 RB Size=1 Position=#0



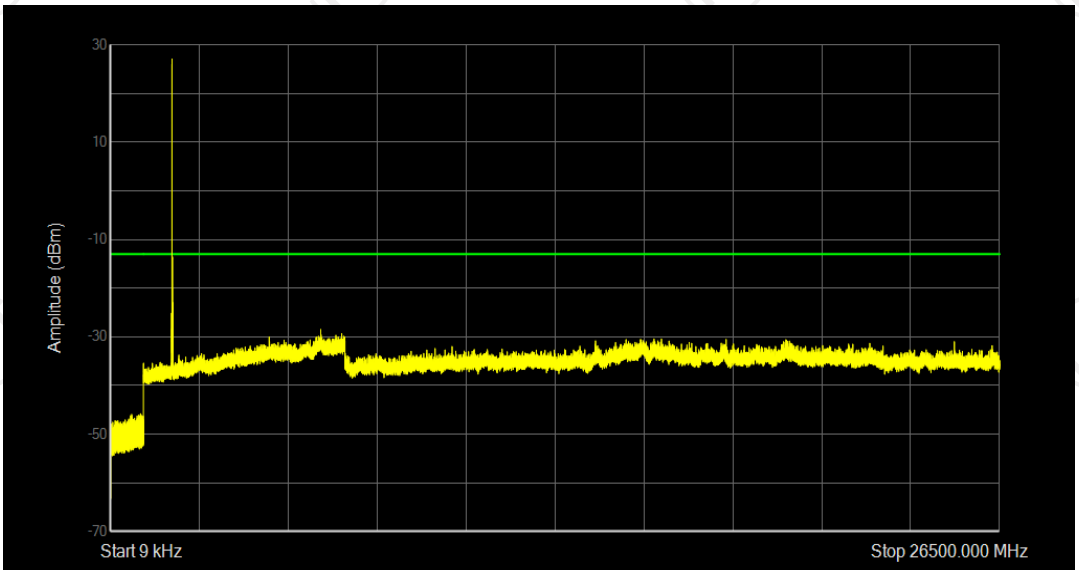
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0095076	-59.24	-13
2	0.15	30	10	0.15	-52.53	-13
3	30	1000	100	785.662333333333	-46.1	-13
4	1000	26500	1000	6937.25	-29.69	-13

Band2 QPSK BW=10MHz Channel=19150 RB Size=1 Position=#0



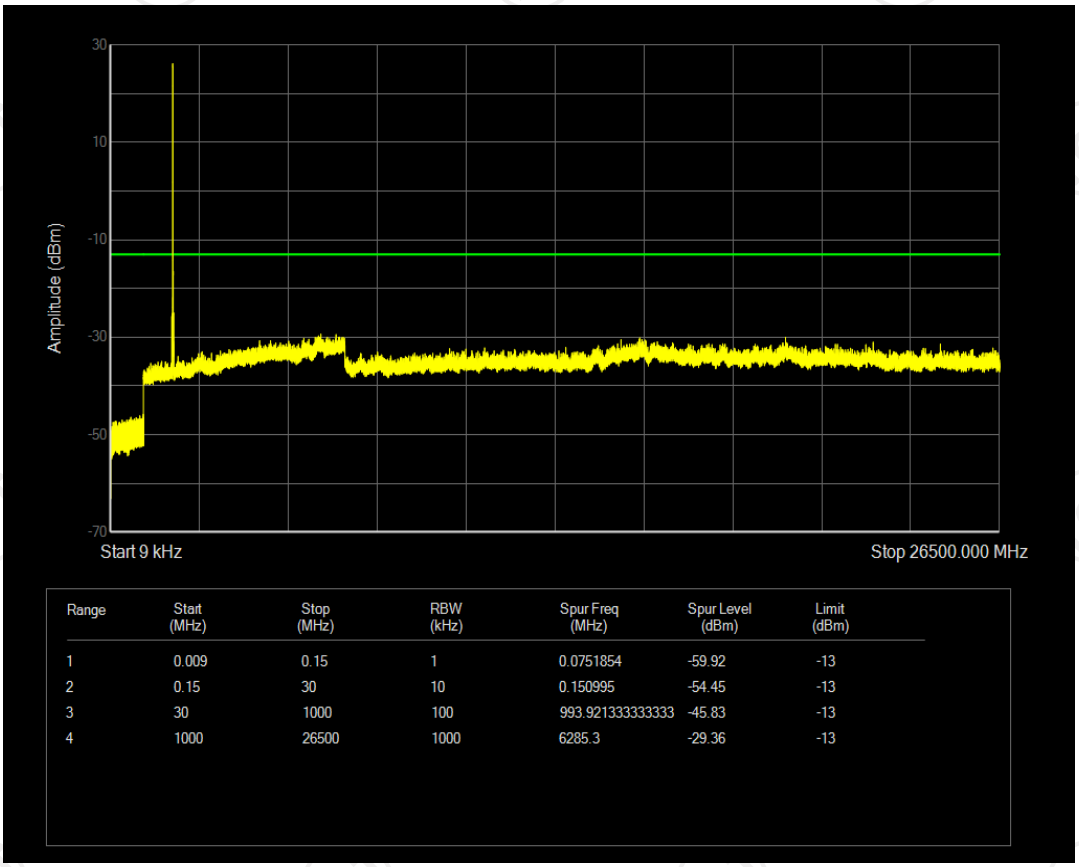
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-60.2	-13
2	0.15	30	10	0.15995	-54.16	-13
3	30	1000	100	763.126	-45.62	-13
4	1000	26500	1000	6491	-29.16	-13

Band2 QPSK BW=15MHz Channel=18675 RB Size=1 Position=#0



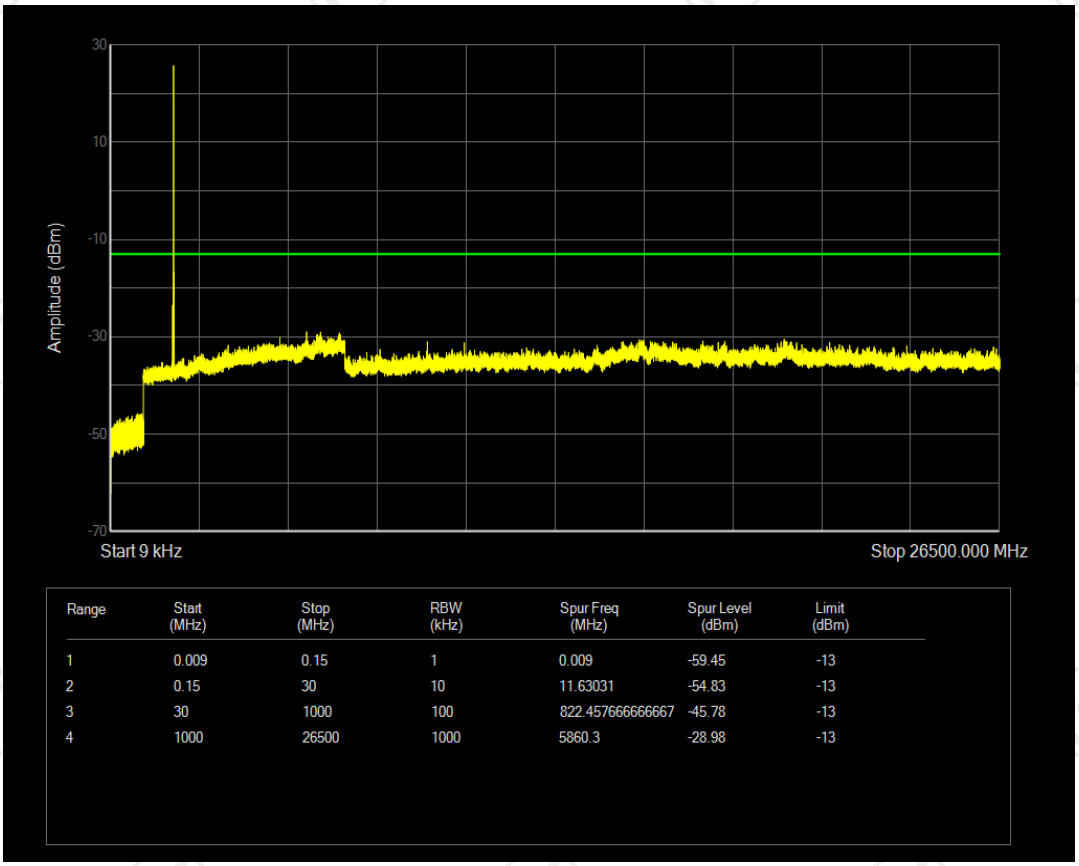
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1074556	-58.68	-13
2	0.15	30	10	0.15	-54.75	-13
3	30	1000	100	915.125	-45.79	-13
4	1000	26500	1000	6281.05	-28.49	-13

Band2 QPSK BW=15MHz Channel=18900 RB Size=1 Position=#0



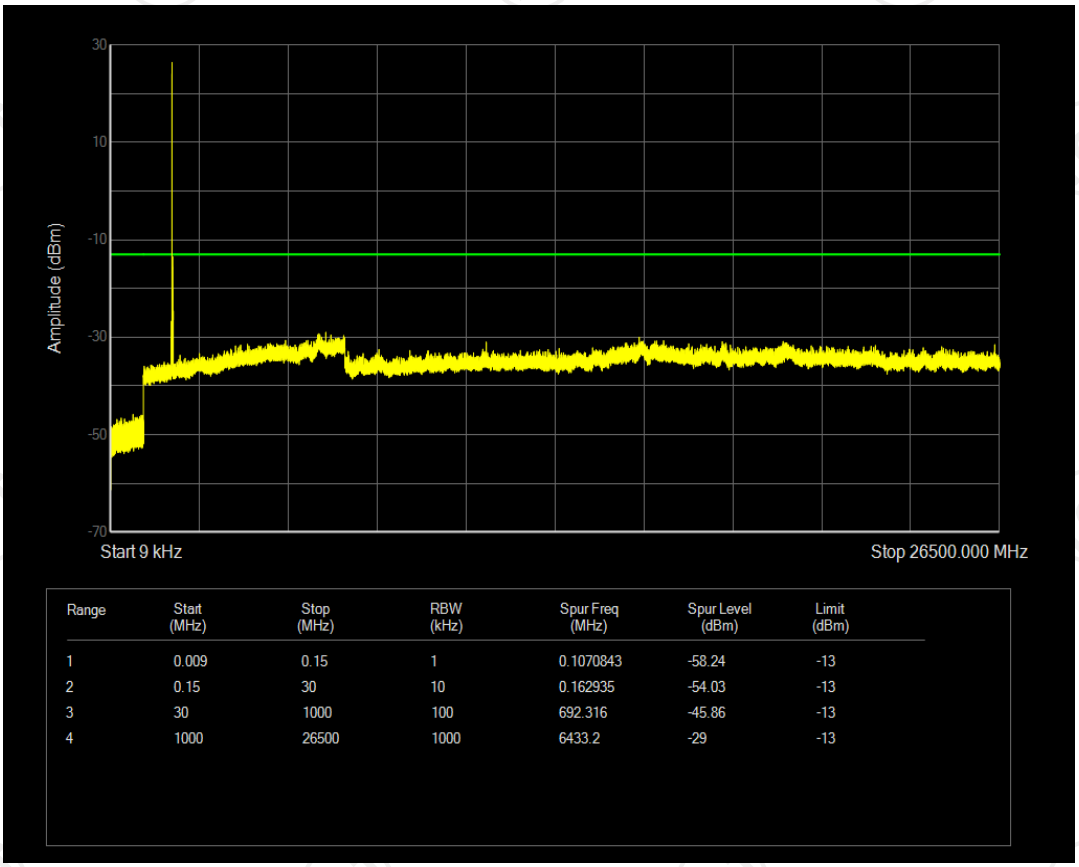
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0751854	-59.92	-13
2	0.15	30	10	0.150995	-54.45	-13
3	30	1000	100	993.921333333333	-45.83	-13
4	1000	26500	1000	6285.3	-29.36	-13

Band2 QPSK BW=15MHz Channel=19125 RB Size=1 Position=#0



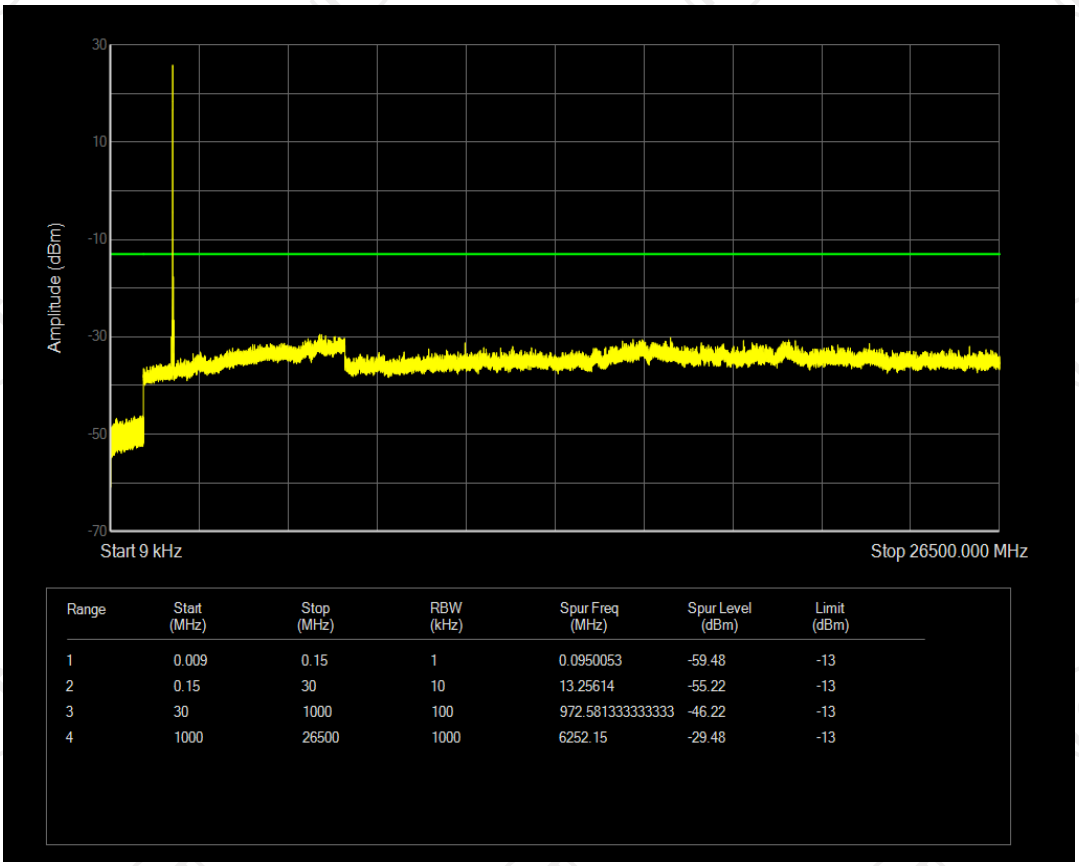
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-59.45	-13
2	0.15	30	10	11.63031	-54.83	-13
3	30	1000	100	822.457666666667	-45.78	-13
4	1000	26500	1000	5860.3	-28.98	-13

Band2 QPSK BW=20MHz Channel=18700 RB Size=1 Position=#0



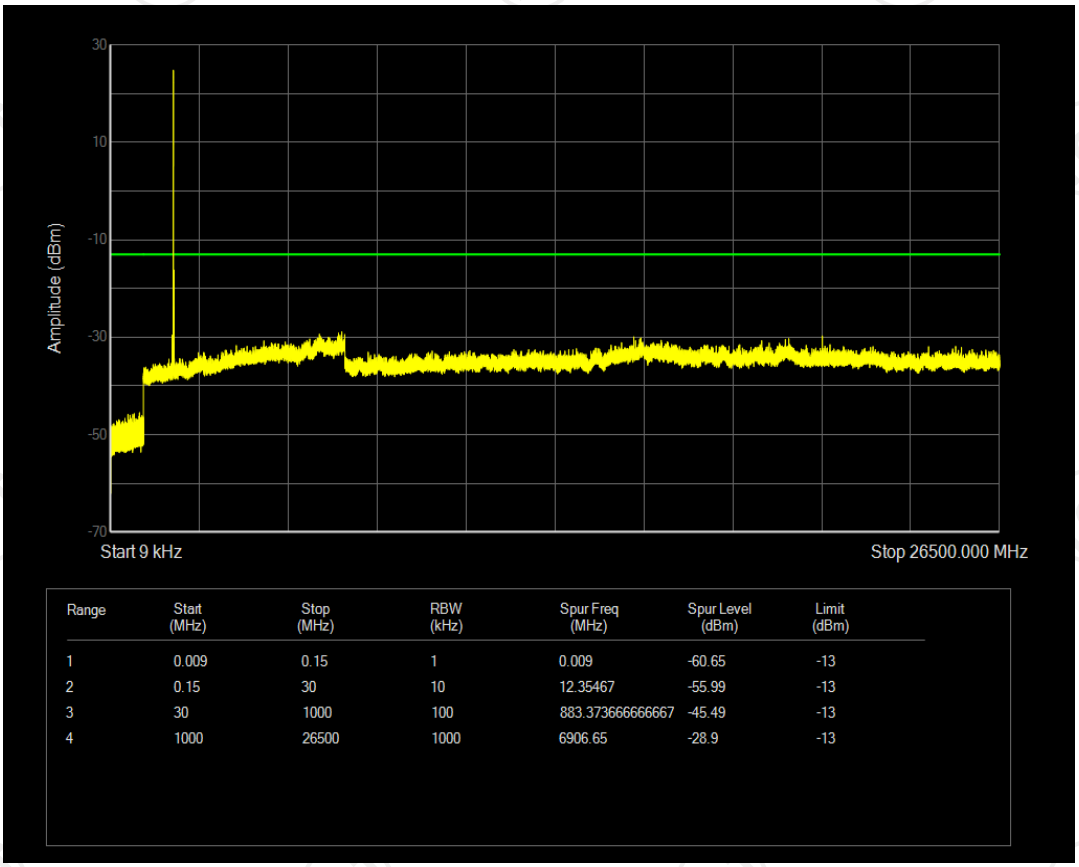
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.1070843	-58.24	-13
2	0.15	30	10	0.162935	-54.03	-13
3	30	1000	100	692.316	-45.86	-13
4	1000	26500	1000	6433.2	-29	-13

Band2 QPSK BW=20MHz Channel=18900 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	0.0950053	-59.48	-13
2	0.15	30	10	13.25614	-55.22	-13
3	30	1000	100	972.581333333333	-46.22	-13
4	1000	26500	1000	6252.15	-29.48	-13

Band2 QPSK BW=20MHz Channel=19100 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	-60.65	-13
2	0.15	30	10	12.35467	-55.99	-13
3	30	1000	100	883.373666666667	-45.49	-13
4	1000	26500	1000	6906.65	-28.9	-13