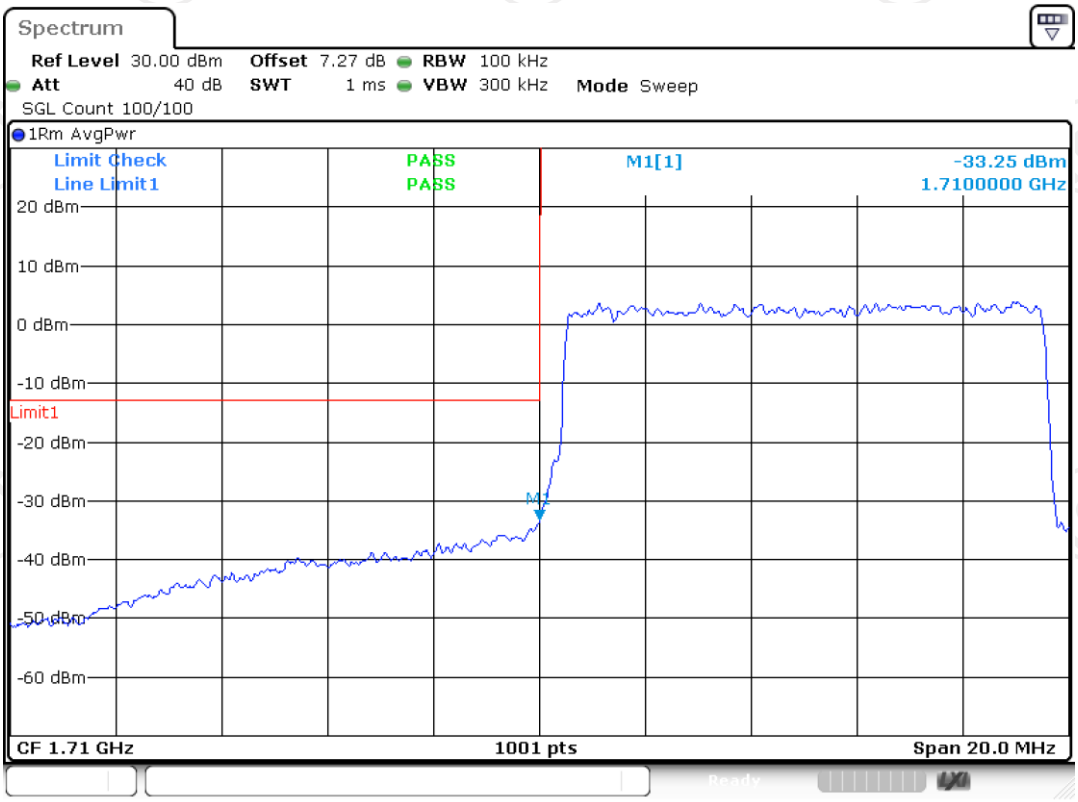
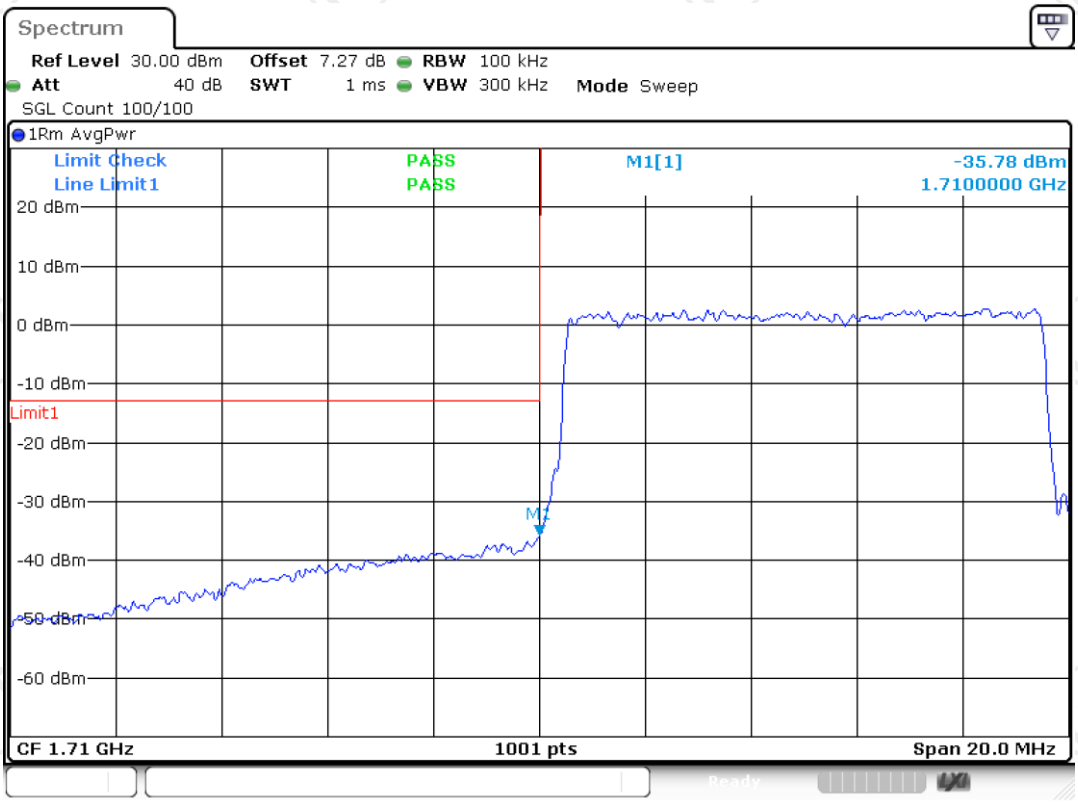
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



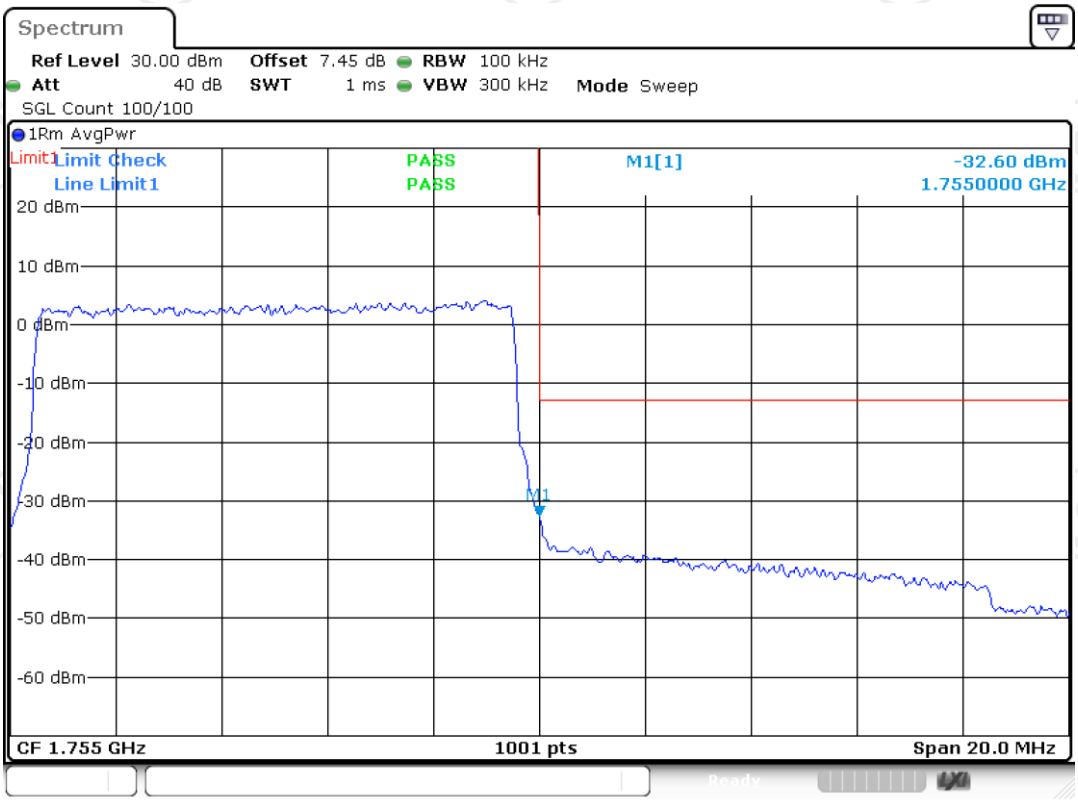
Date: 6.JUN.2023 10:44:53

Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



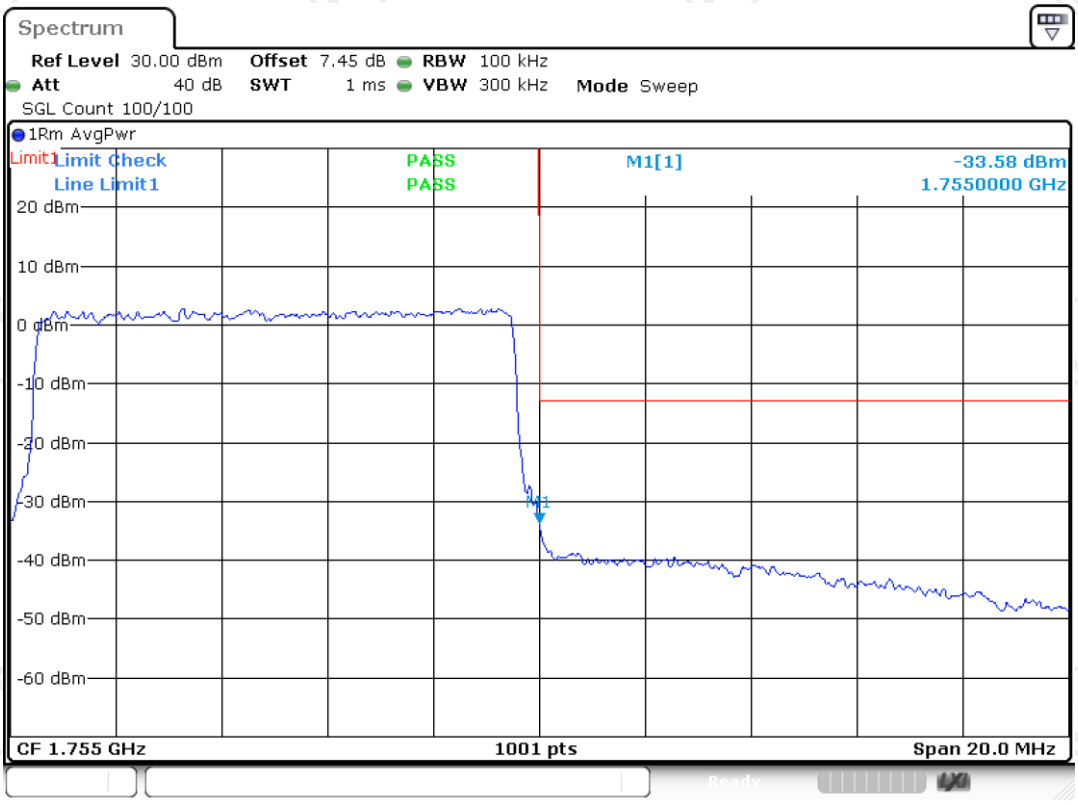
Date: 6.JUN.2023 10:44:58

Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



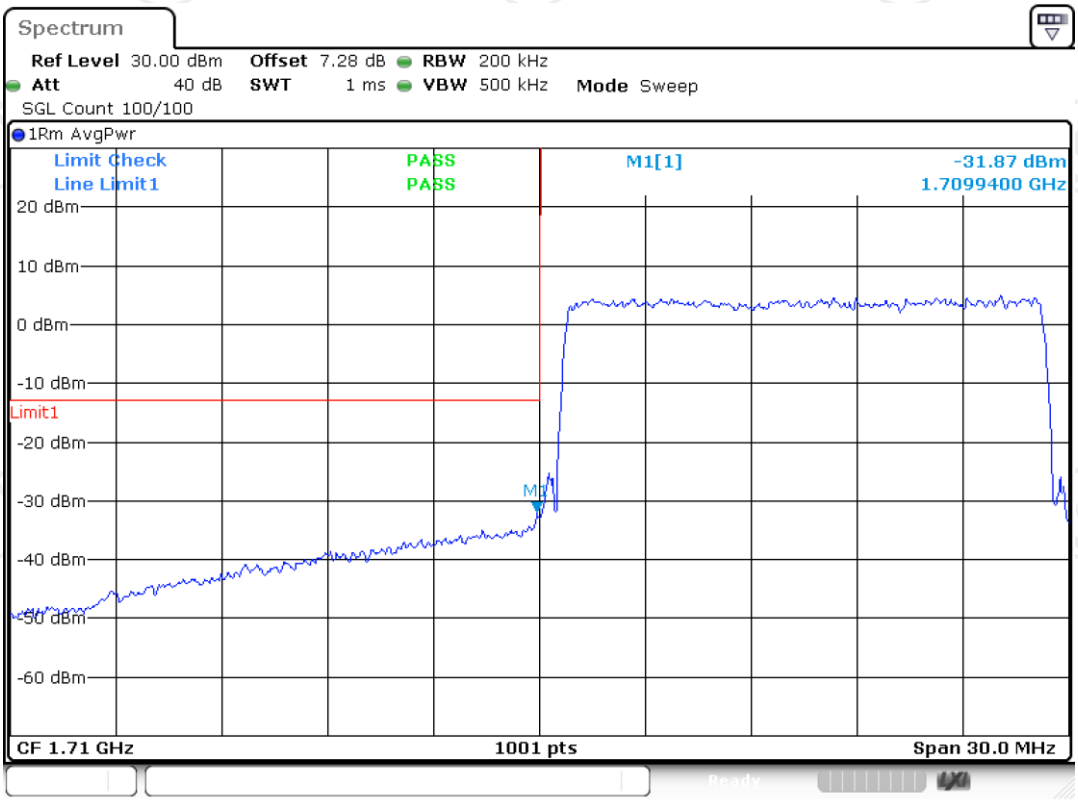
Date: 6.JUN.2023 10:45:03

Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



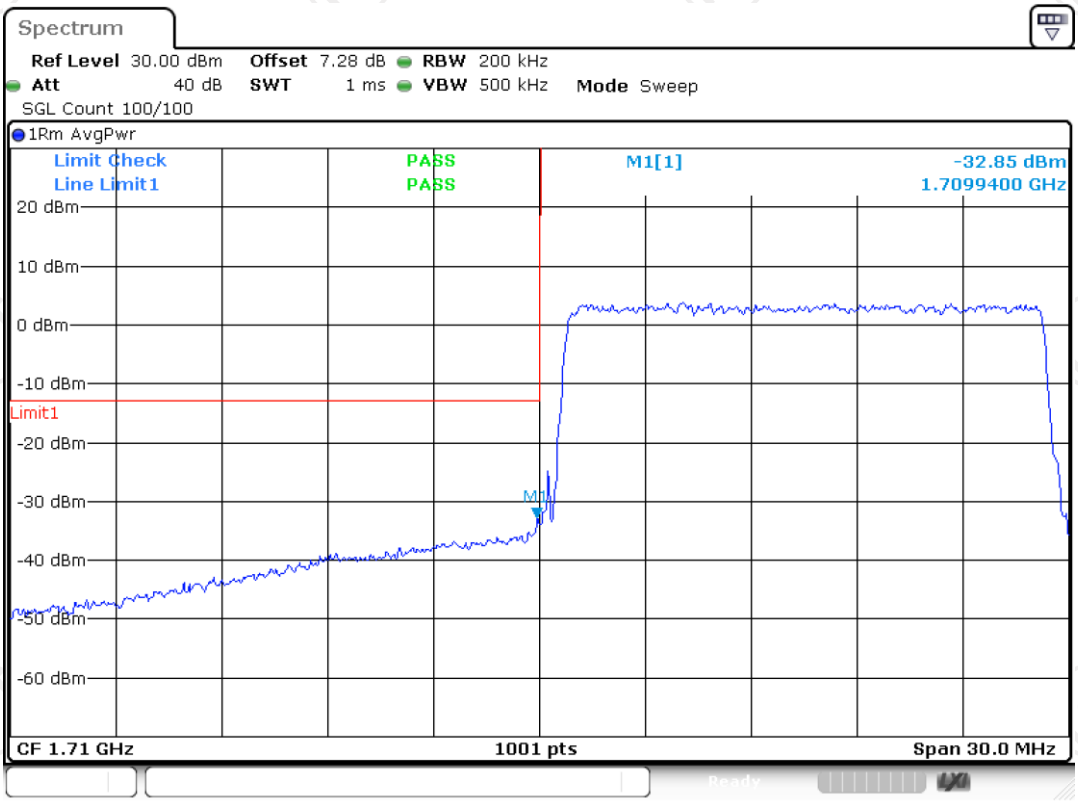
Date: 6.JUN.2023 10:45:07

Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



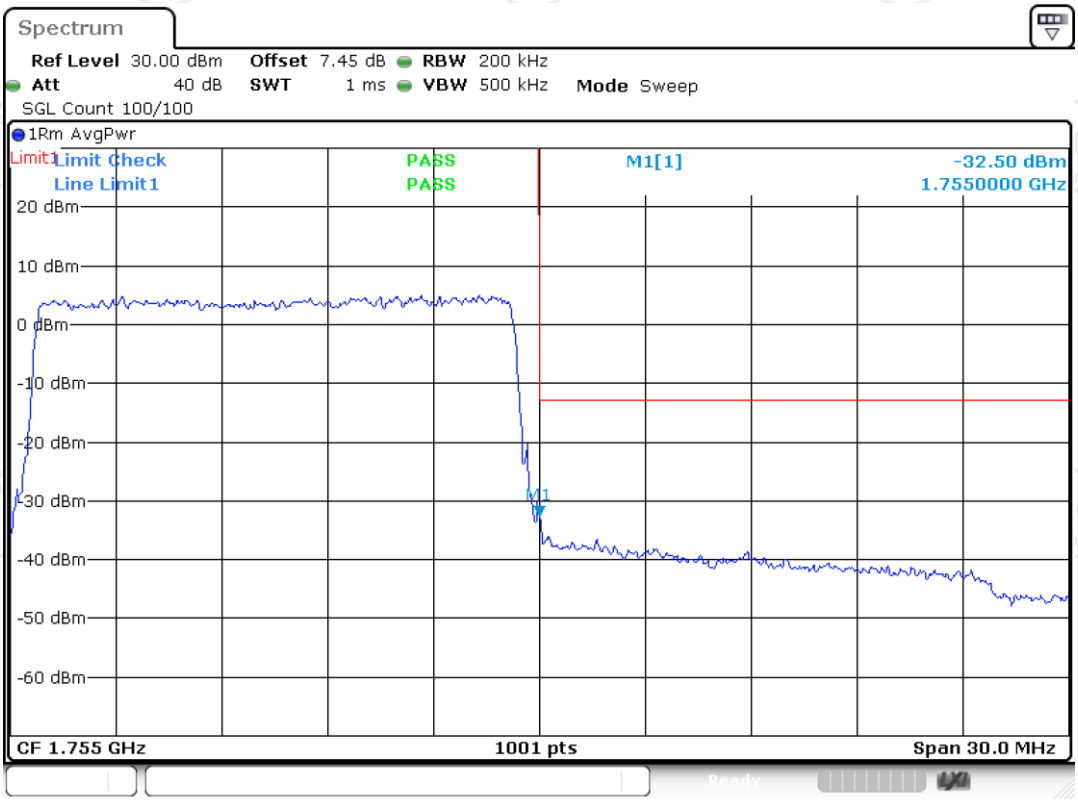
Date: 6.JUN.2023 10:45:13

Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



Date: 6.JUN.2023 10:45:18

Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



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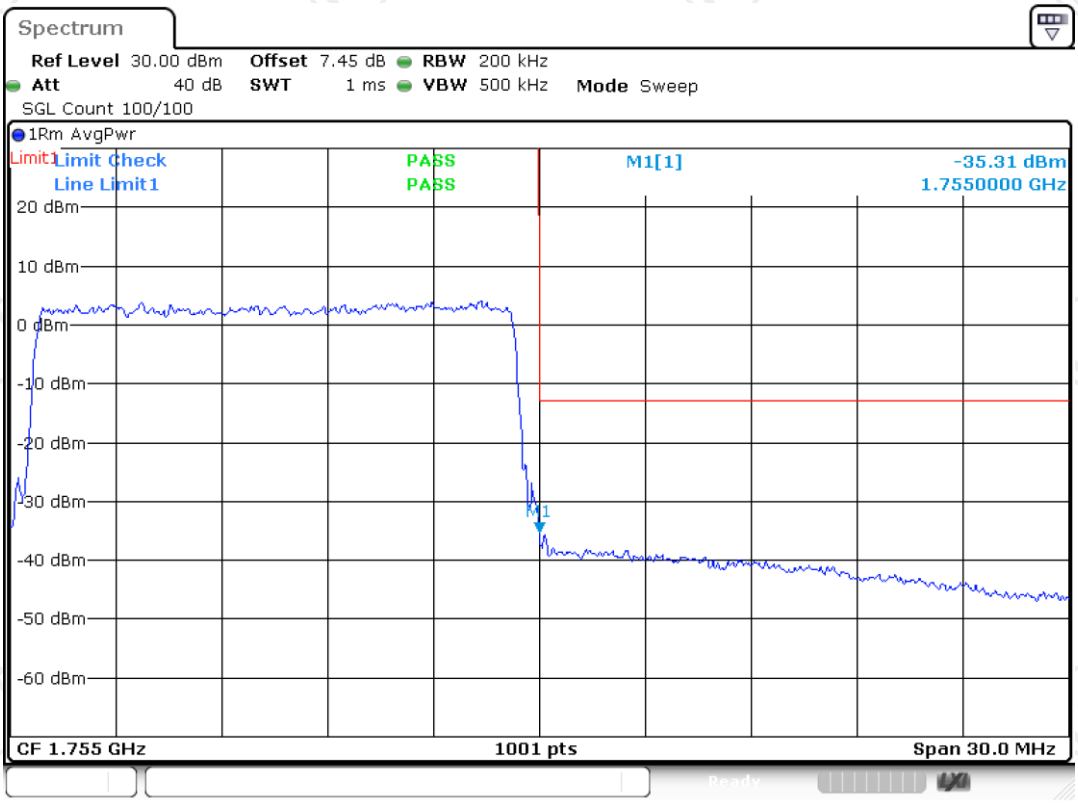
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



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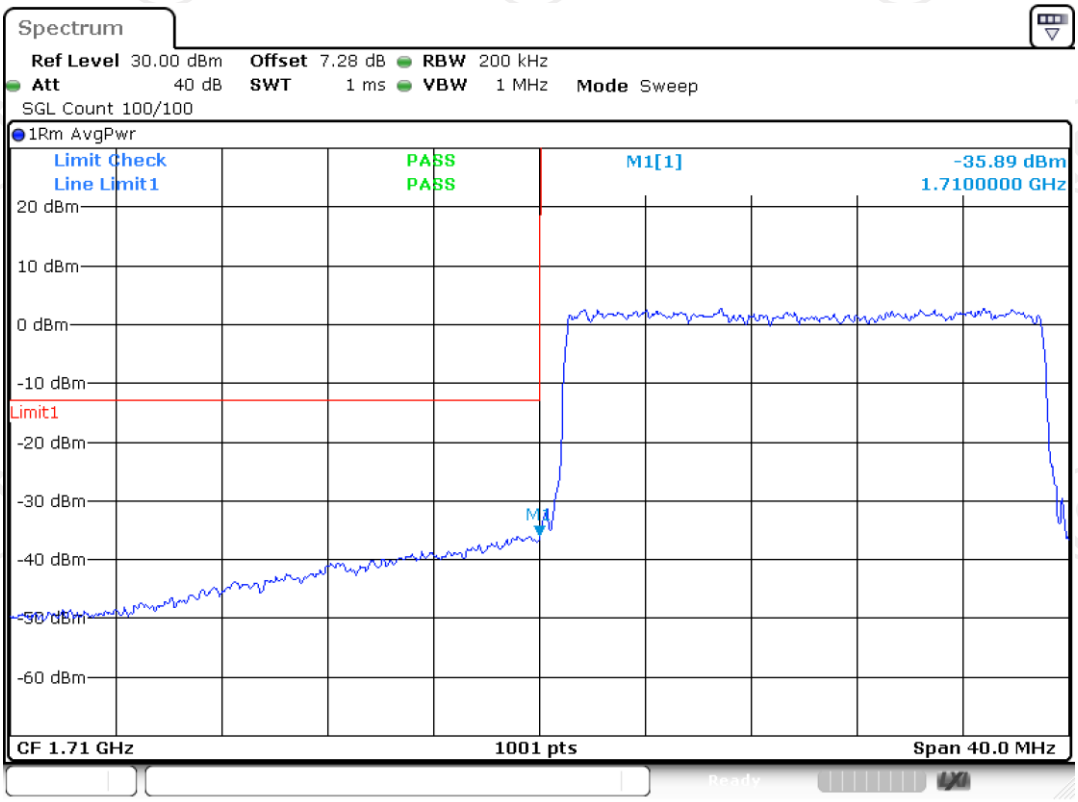
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



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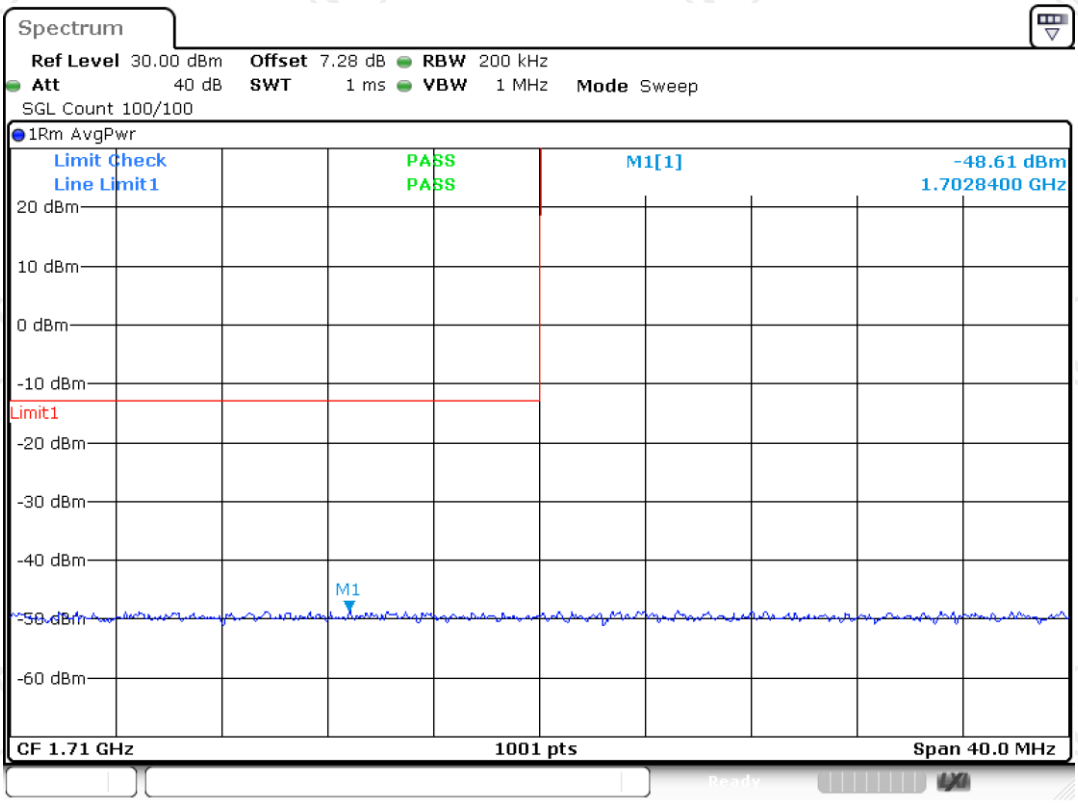
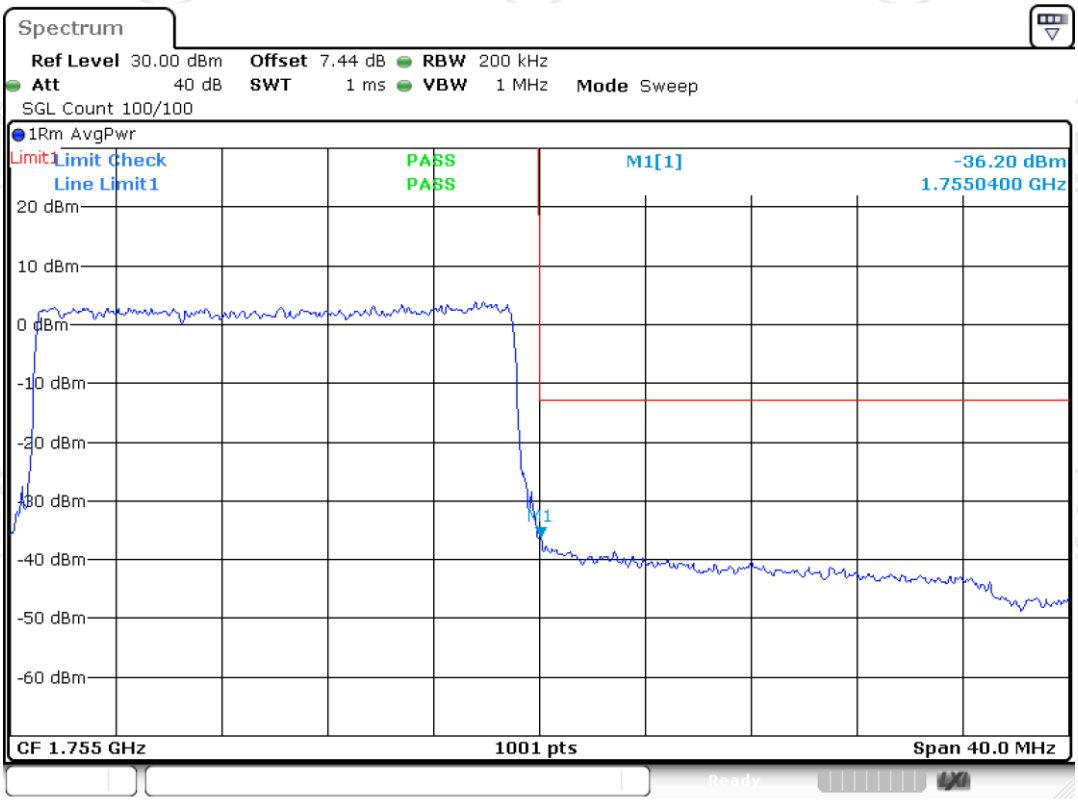
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



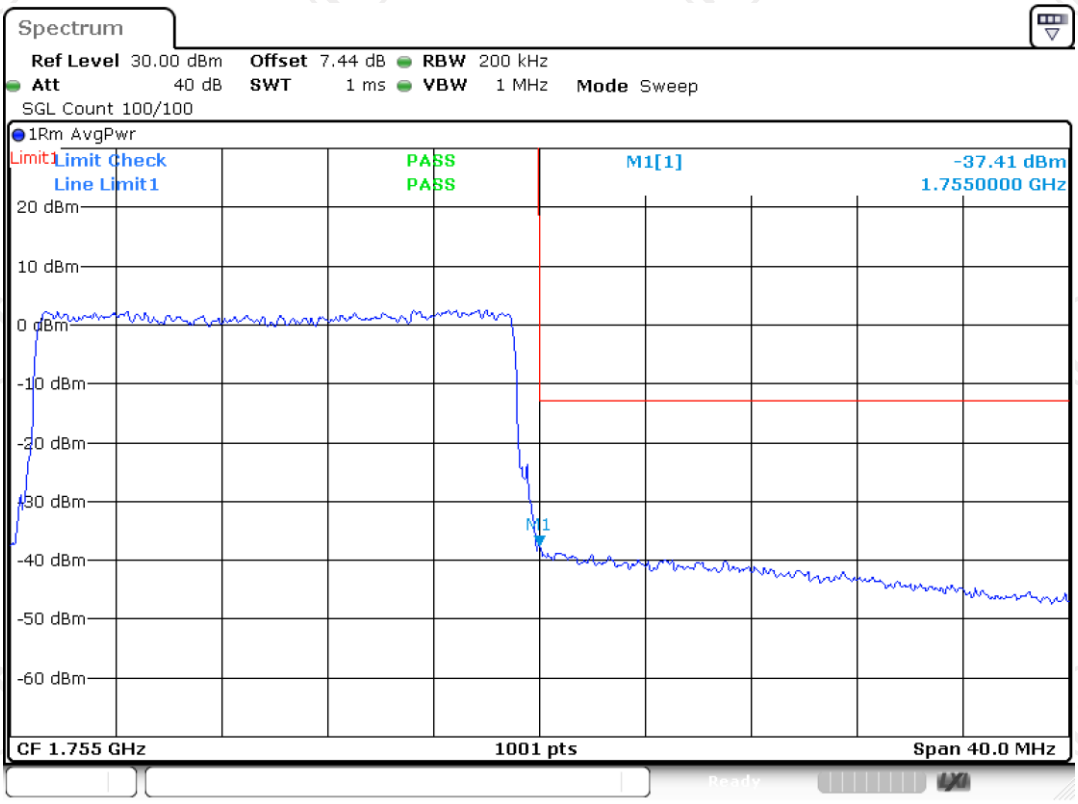
Date: 6.JUN.2023 10:45:40

Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



Date: 6.JUN.2023 10:45:58

Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0

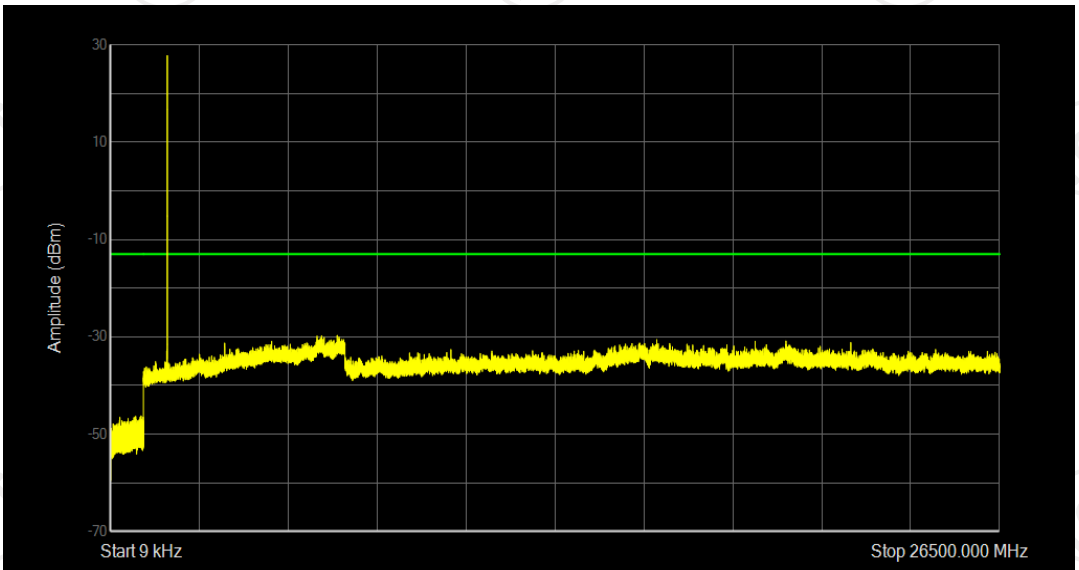


Date: 6.JUN.2023 10:46:03

6 Out-of-band emissions

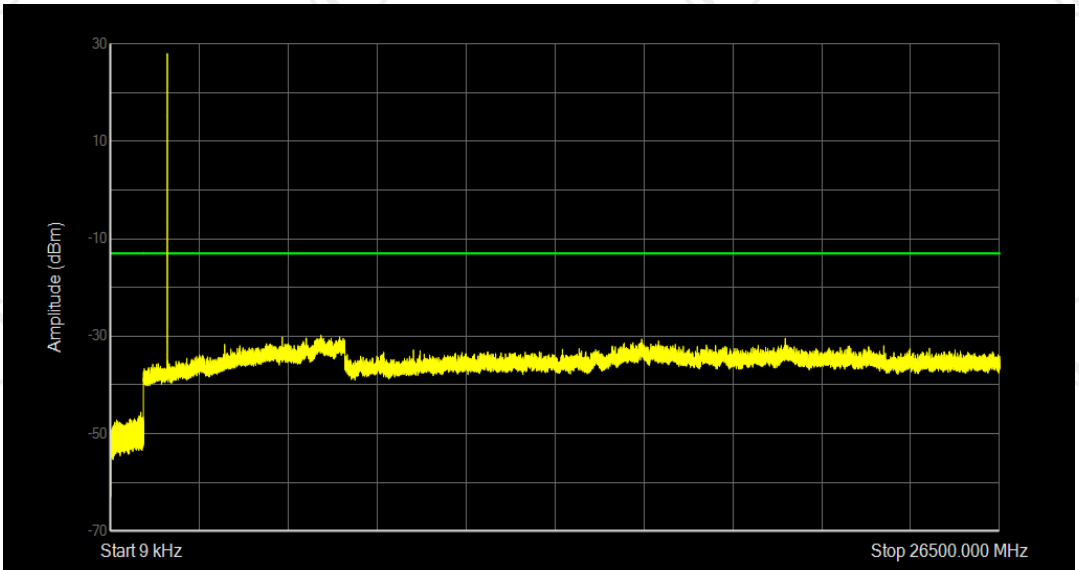
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	6772.35	-29.72	-13	PASS
Band4	1.4	19957	1	#0	16QAM	6287.00	-29.82	-13	PASS
Band4	1.4	20175	1	#0	QPSK	6911.75	-29.83	-13	PASS
Band4	1.4	20175	1	#0	16QAM	6524.15	-29.94	-13	PASS
Band4	1.4	20393	1	#0	QPSK	6277.65	-28.86	-13	PASS
Band4	1.4	20393	1	#0	16QAM	6242.80	-28.09	-13	PASS
Band4	3	19965	1	#0	QPSK	6876.05	-28.65	-13	PASS
Band4	3	19965	1	#0	16QAM	6287.85	-29.72	-13	PASS
Band4	3	20175	1	#0	QPSK	6285.30	-29.81	-13	PASS
Band4	3	20175	1	#0	16QAM	6883.70	-29.08	-13	PASS
Band4	3	20385	1	#0	QPSK	6282.75	-29.39	-13	PASS
Band4	3	20385	1	#0	16QAM	6304.85	-29.02	-13	PASS
Band4	5	19975	1	#0	QPSK	6333.75	-29.37	-13	PASS
Band4	5	19975	1	#0	16QAM	6843.75	-29.62	-13	PASS
Band4	5	20175	1	#0	QPSK	6282.75	-29.37	-13	PASS
Band4	5	20175	1	#0	16QAM	6902.40	-28.90	-13	PASS
Band4	5	20375	1	#0	QPSK	5054.50	-29.67	-13	PASS
Band4	5	20375	1	#0	16QAM	6202.00	-29.82	-13	PASS
Band4	10	20000	1	#0	QPSK	6207.95	-30.05	-13	PASS
Band4	10	20000	1	#0	16QAM	6785.95	-30.01	-13	PASS
Band4	10	20175	1	#0	QPSK	6311.65	-28.72	-13	PASS
Band4	10	20175	1	#0	16QAM	6478.25	-29.31	-13	PASS
Band4	10	20350	1	#0	QPSK	6267.45	-29.52	-13	PASS
Band4	10	20350	1	#0	16QAM	6279.35	-29.50	-13	PASS
Band4	15	20025	1	#0	QPSK	6869.25	-29.26	-13	PASS
Band4	15	20025	1	#0	16QAM	6731.55	-29.33	-13	PASS
Band4	15	20175	1	#0	QPSK	6897.30	-29.33	-13	PASS
Band4	15	20175	1	#0	16QAM	6866.70	-29.41	-13	PASS
Band4	15	20325	1	#0	QPSK	6169.70	-29.69	-13	PASS
Band4	15	20325	1	#0	16QAM	6881.15	-29.71	-13	PASS
Band4	20	20050	1	#0	QPSK	6841.20	-28.28	-13	PASS
Band4	20	20050	1	#0	16QAM	6310.80	-29.84	-13	PASS
Band4	20	20175	1	#0	QPSK	6831.85	-29.04	-13	PASS
Band4	20	20175	1	#0	16QAM	5898.55	-29.78	-13	PASS
Band4	20	20300	1	#0	QPSK	6265.75	-29.50	-13	PASS
Band4	20	20300	1	#0	16QAM	6516.50	-28.99	-13	PASS

Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



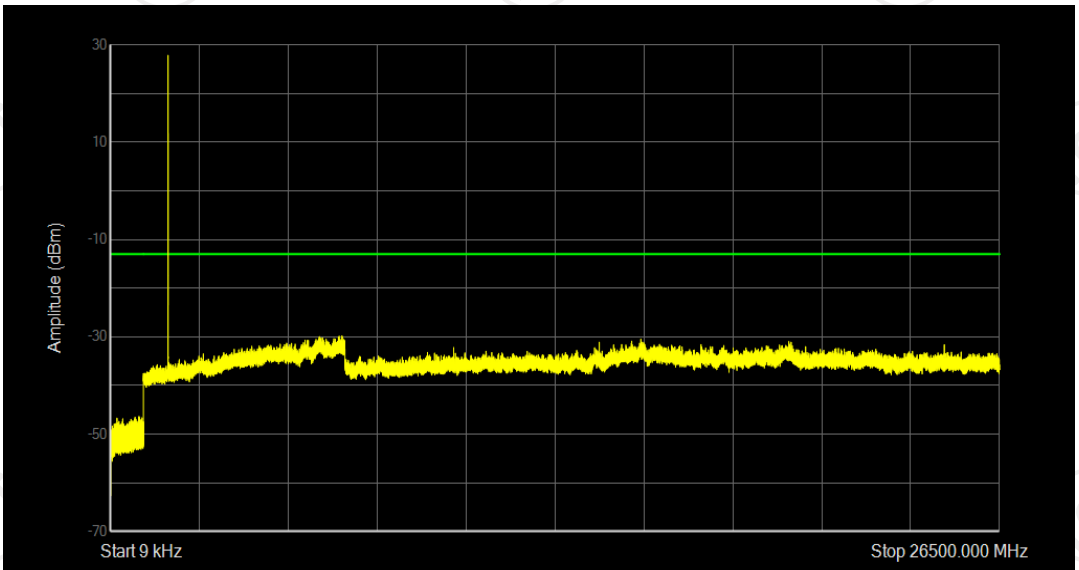
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0103348	-59.86	-13
2	0.15	30	10	0.15	-55.33	-13
3	30	1000	100	930.645	-46.25	-13
4	1000	26500	1000	6772.35	-29.72	-13

Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



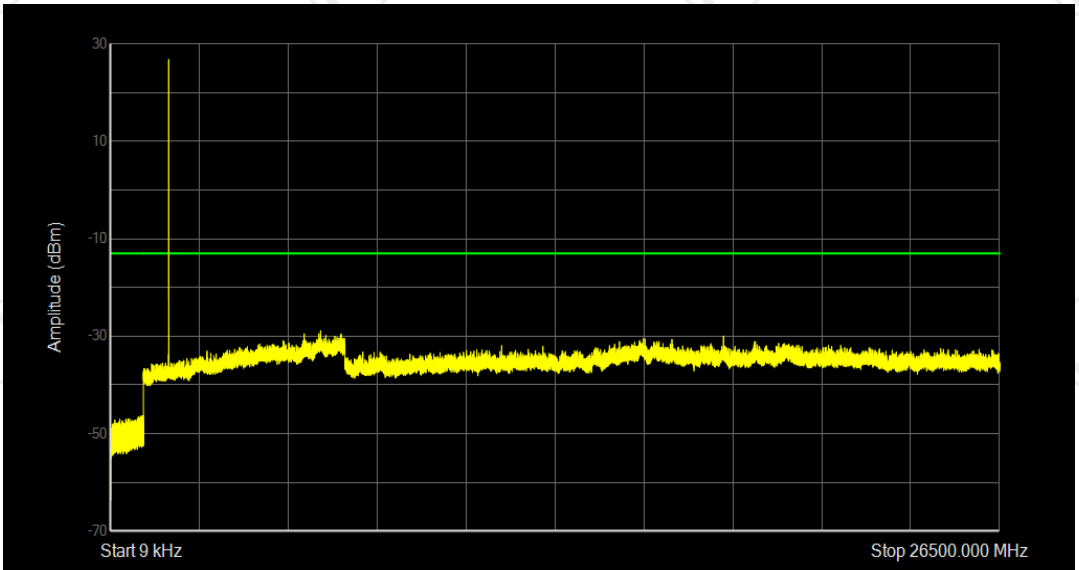
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010316	-58.3	-13
2	0.15	30	10	0.16393	-55.49	-13
3	30	1000	100	922.141333333333	-45.59	-13
4	1000	26500	1000	6287	-29.82	-13

Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0



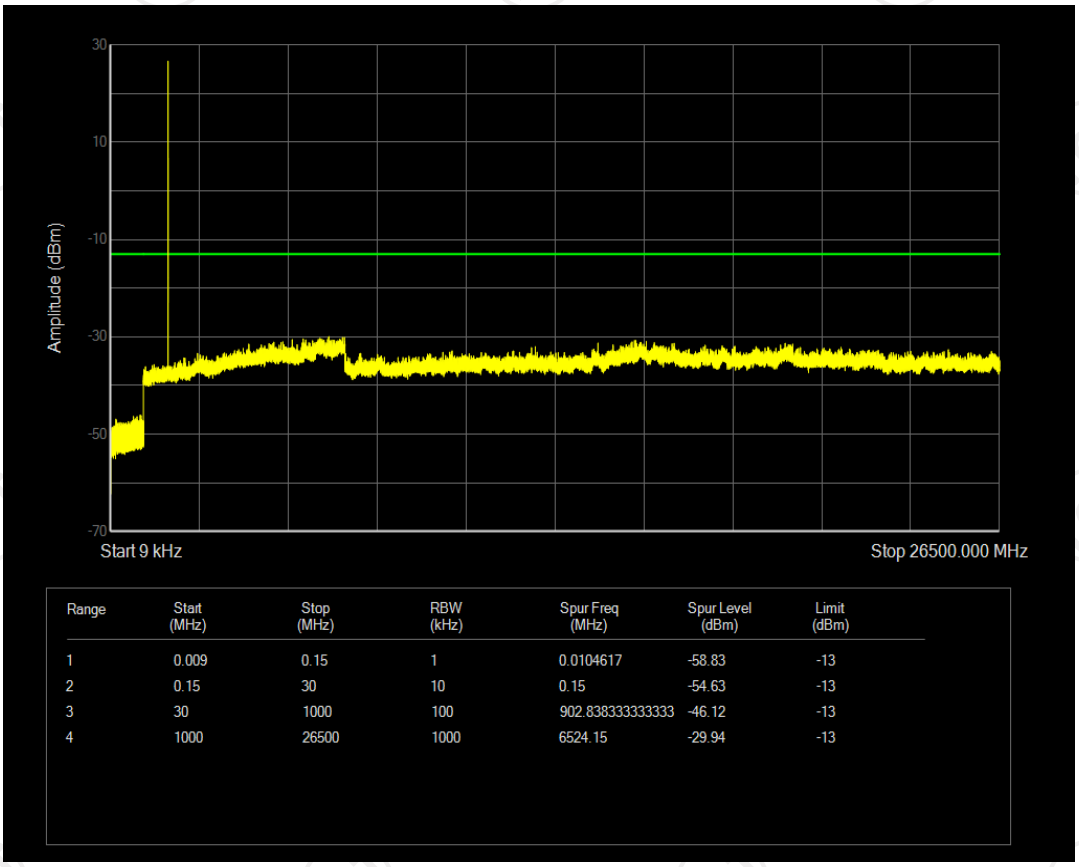
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0110257	-59.76	-13
2	0.15	30	10	0.15398	-53.69	-13
3	30	1000	100	869.599666666667	-46.39	-13
4	1000	26500	1000	6911.75	-29.83	-13

Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



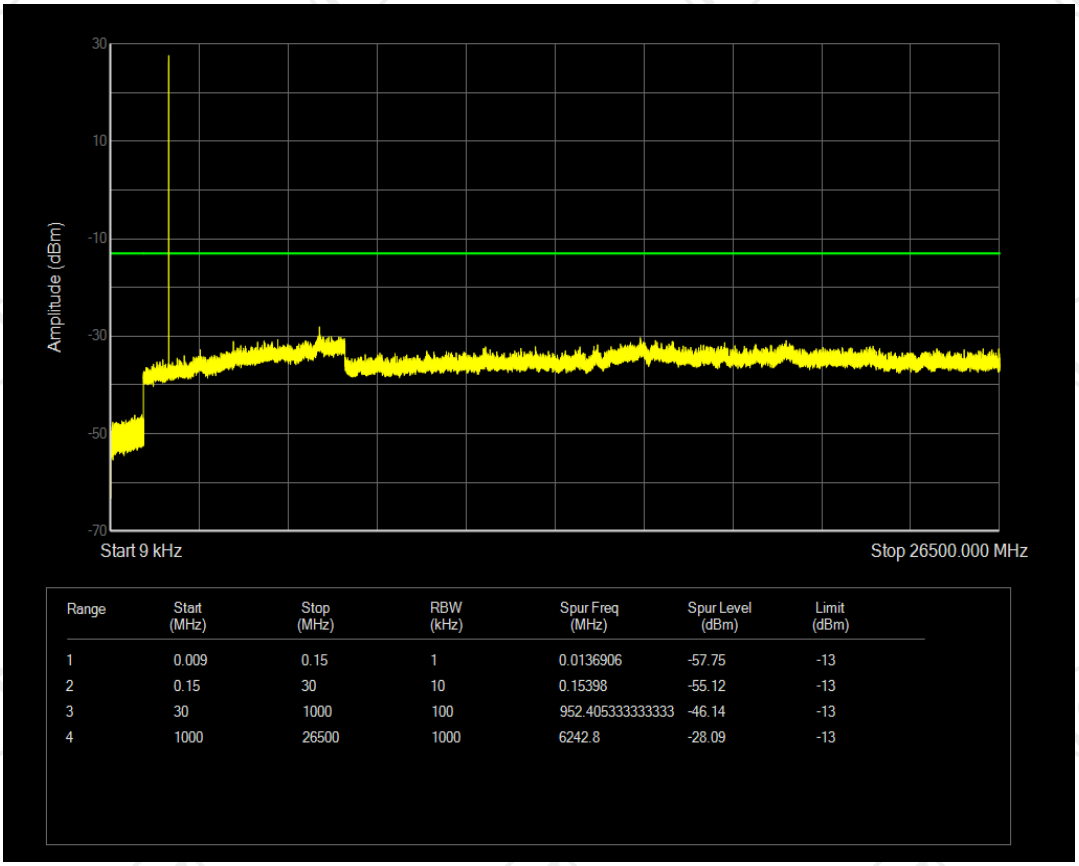
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0094888	-59.22	-13
2	0.15	30	10	0.15	-54.7	-13
3	30	1000	100	999.773666666667	-46.23	-13
4	1000	26500	1000	6277.65	-28.86	-13

Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



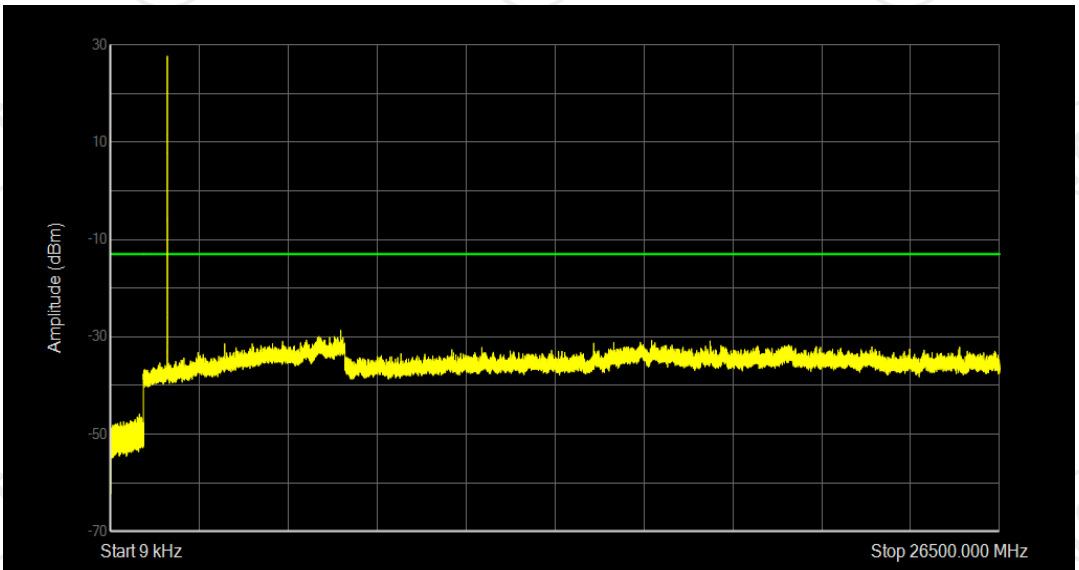
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0104617	-58.83	-13
2	0.15	30	10	0.15	-54.63	-13
3	30	1000	100	902.838333333333	-46.12	-13
4	1000	26500	1000	6524.15	-29.94	-13

Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



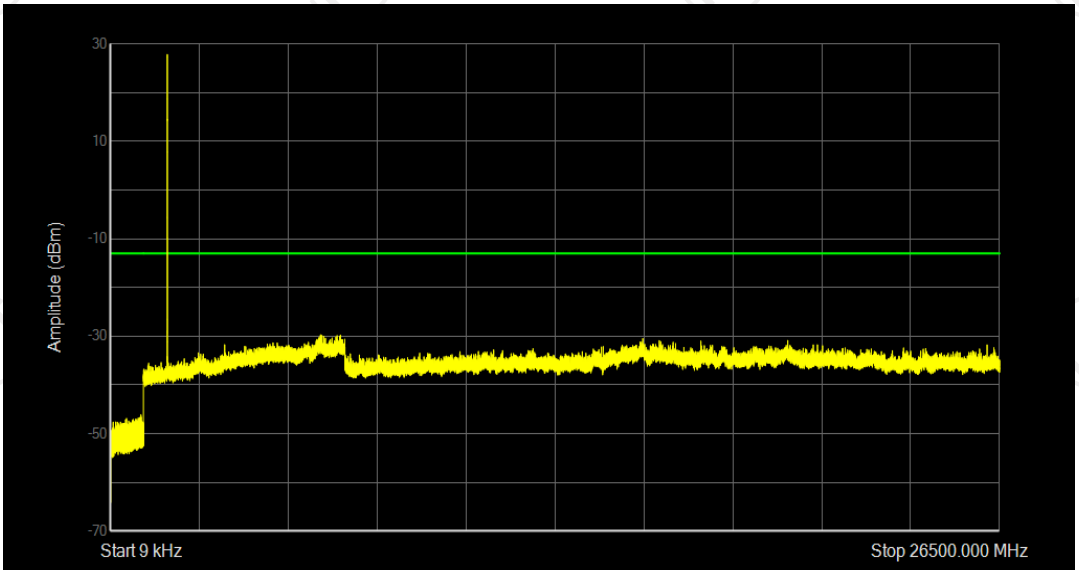
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0136906	-57.75	-13
2	0.15	30	10	0.15398	-55.12	-13
3	30	1000	100	952.405333333333	-46.14	-13
4	1000	26500	1000	6242.8	-28.09	-13

Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



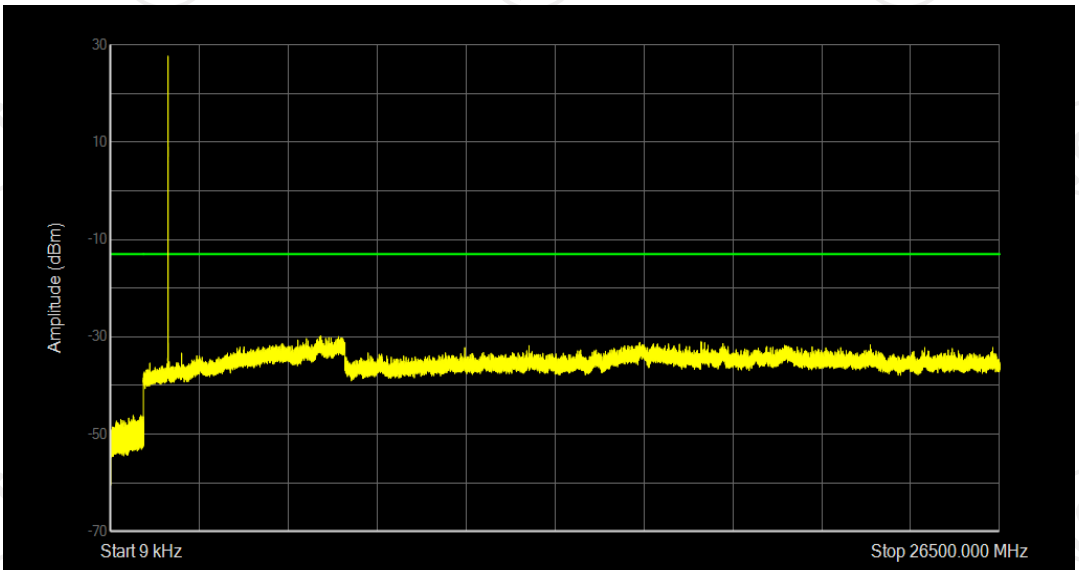
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0189687	-59.85	-13
2	0.15	30	10	20.94749	-55.33	-13
3	30	1000	100	882.953333333333	-45.9	-13
4	1000	26500	1000	6876.05	-28.65	-13

Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0



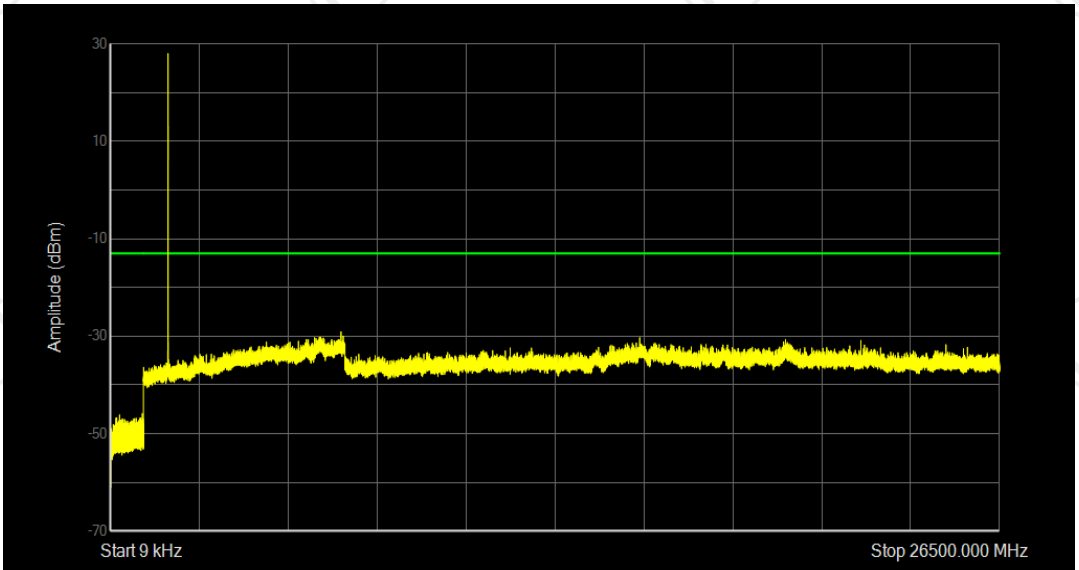
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0313156	-59.98	-13
2	0.15	30	10	20.906695	-57.14	-13
3	30	1000	100	924.437	-46.17	-13
4	1000	26500	1000	6287.85	-29.72	-13

Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



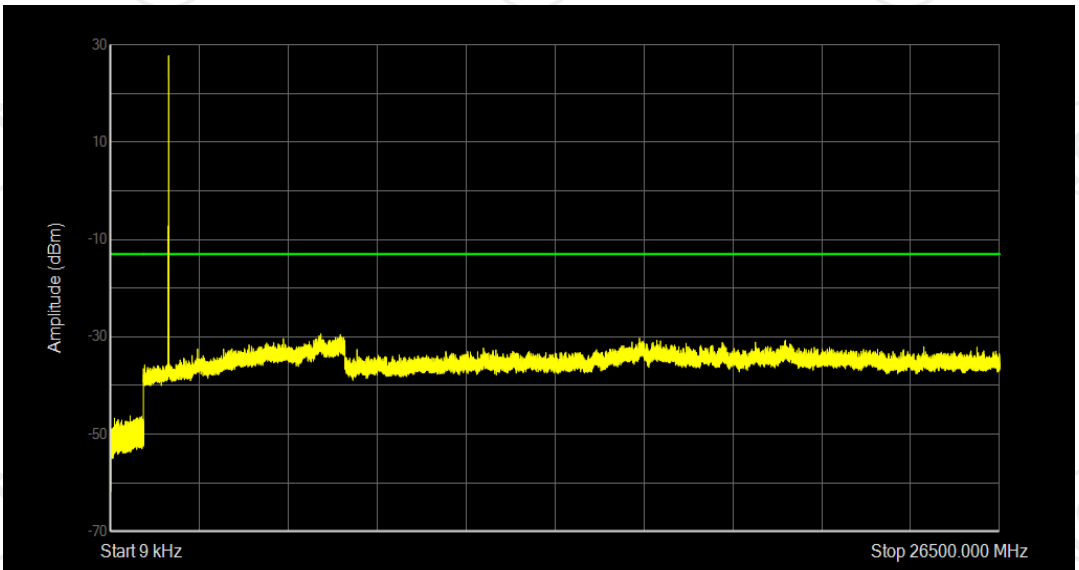
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0169336	-60.56	-13
2	0.15	30	10	0.17985	-56.09	-13
3	30	1000	100	694.676333333333	-46.15	-13
4	1000	26500	1000	6285.3	-29.81	-13

Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0



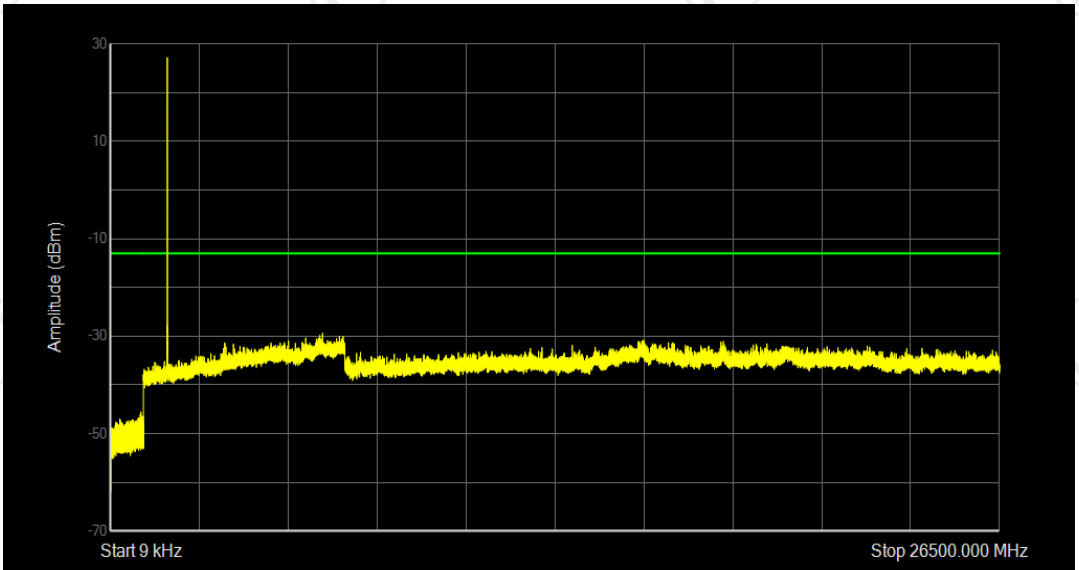
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0150254	-58.97	-13
2	0.15	30	10	0.174875	-55.6	-13
3	30	1000	100	968.442666666667	-45.89	-13
4	1000	26500	1000	6883.7	-29.08	-13

Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



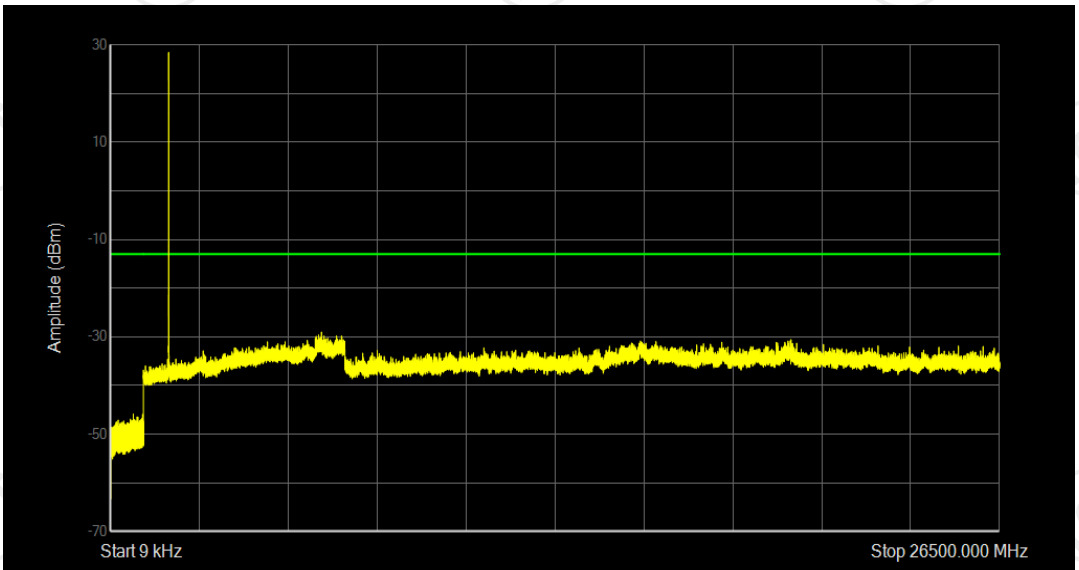
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.015157	-59.25	-13
2	0.15	30	10	18.97341	-56	-13
3	30	1000	100	606.535666666667	-46.22	-13
4	1000	26500	1000	6282.75	-29.39	-13

Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



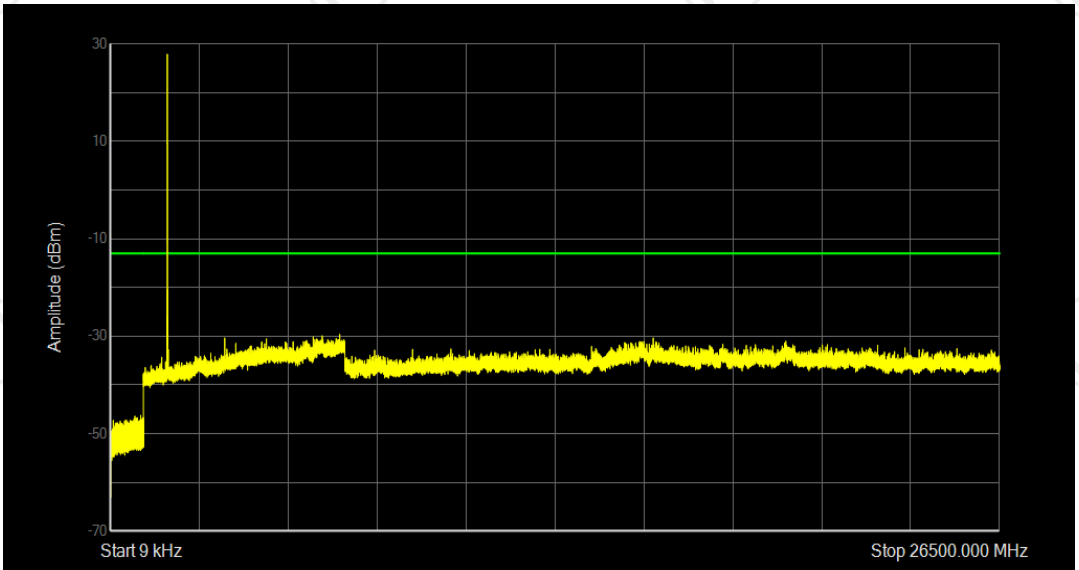
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.013136	-59.29	-13
2	0.15	30	10	12.168605	-56.1	-13
3	30	1000	100	924.825	-45.54	-13
4	1000	26500	1000	6333.75	-29.37	-13

Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0



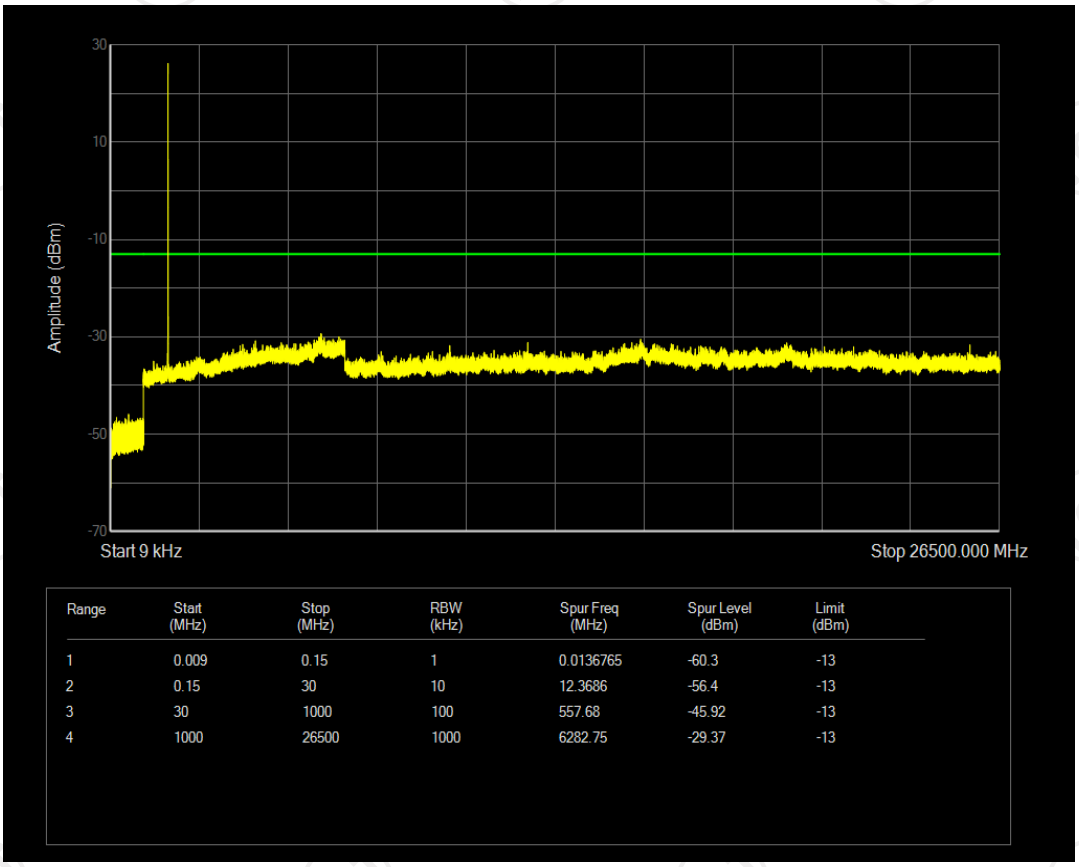
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0103771	-59.09	-13
2	0.15	30	10	12.22731	-54.75	-13
3	30	1000	100	700.561	-45.89	-13
4	1000	26500	1000	6304.85	-29.02	-13

Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0



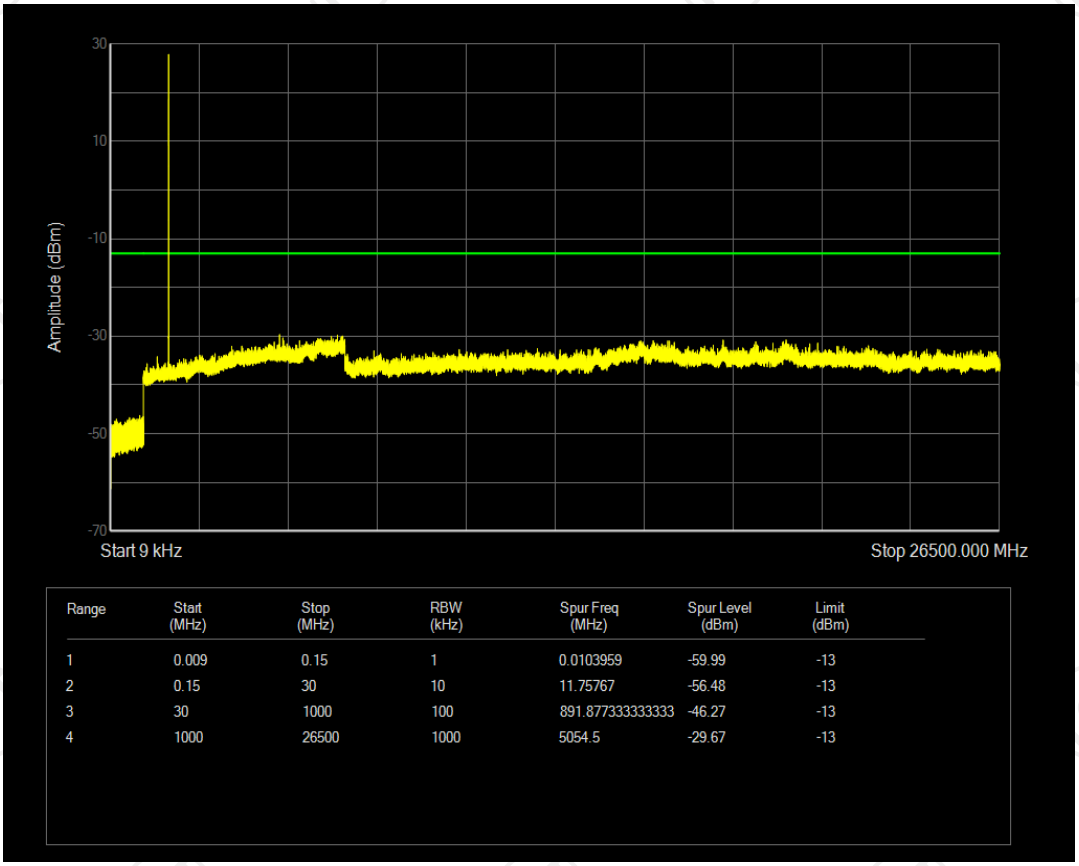
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0130326	-59.69	-13
2	0.15	30	10	0.158955	-55.66	-13
3	30	1000	100	918.746333333333	-46.22	-13
4	1000	26500	1000	6843.75	-29.62	-13

Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0



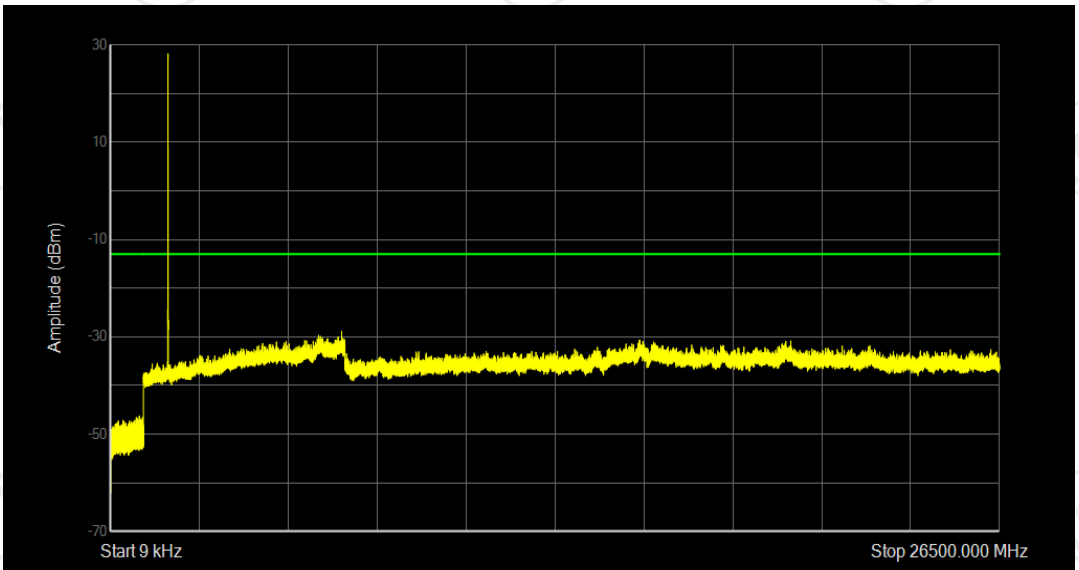
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0136765	-60.3	-13
2	0.15	30	10	12.3686	-56.4	-13
3	30	1000	100	557.68	-45.92	-13
4	1000	26500	1000	6282.75	-29.37	-13

Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0



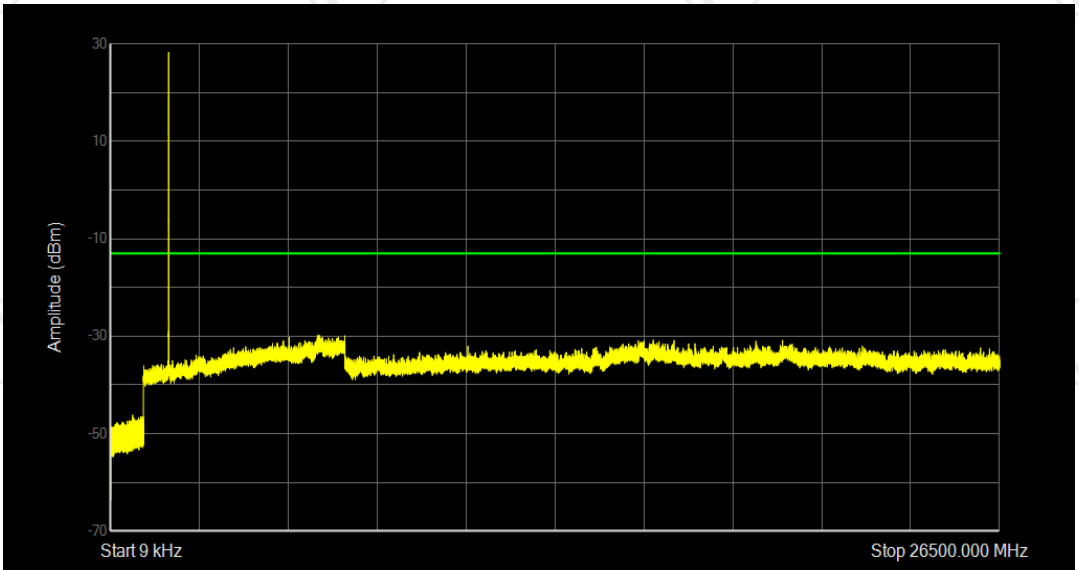
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0103959	-59.99	-13
2	0.15	30	10	11.75767	-56.48	-13
3	30	1000	100	891.877333333333	-46.27	-13
4	1000	26500	1000	5054.5	-29.67	-13

Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0



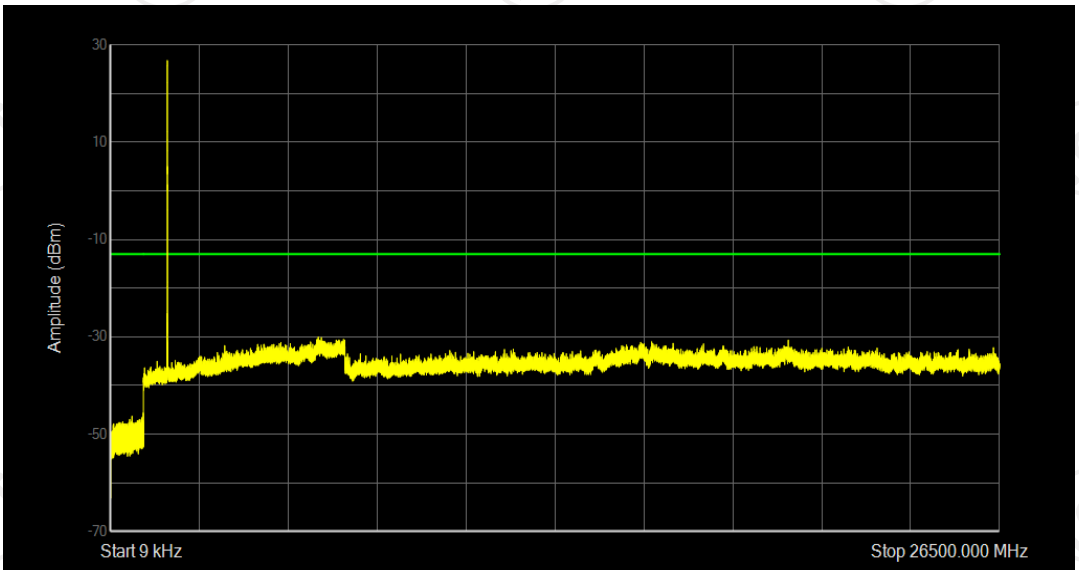
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0140666	-59.01	-13
2	0.15	30	10	0.15	-54.54	-13
3	30	1000	100	880.722333333333	-46.24	-13
4	1000	26500	1000	6902.4	-28.9	-13

Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



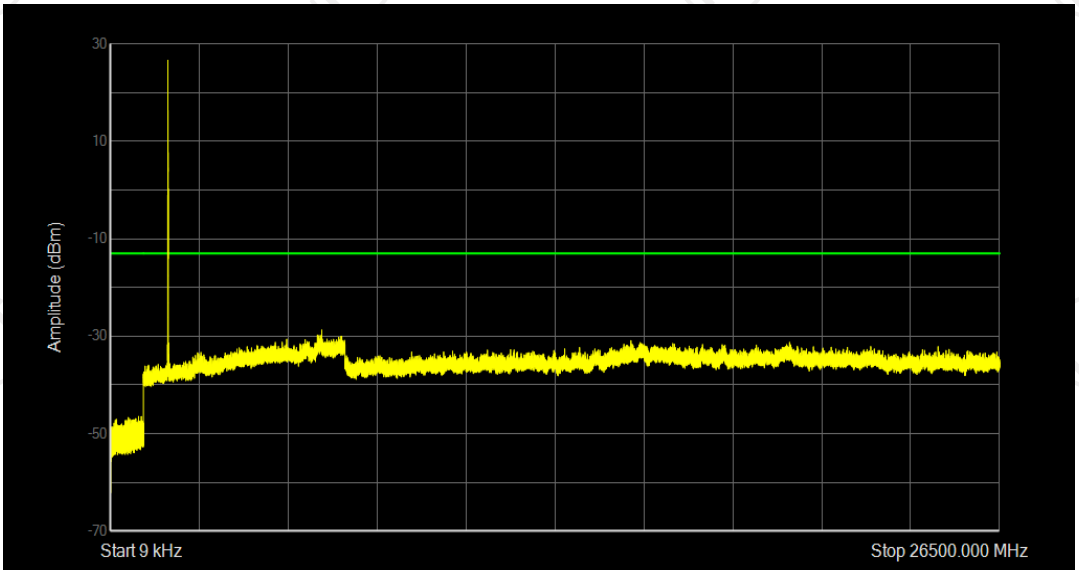
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0124169	-59.99	-13
2	0.15	30	10	0.15398	-55.91	-13
3	30	1000	100	675.890666666667	-46.2	-13
4	1000	26500	1000	6202	-29.82	-13

Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



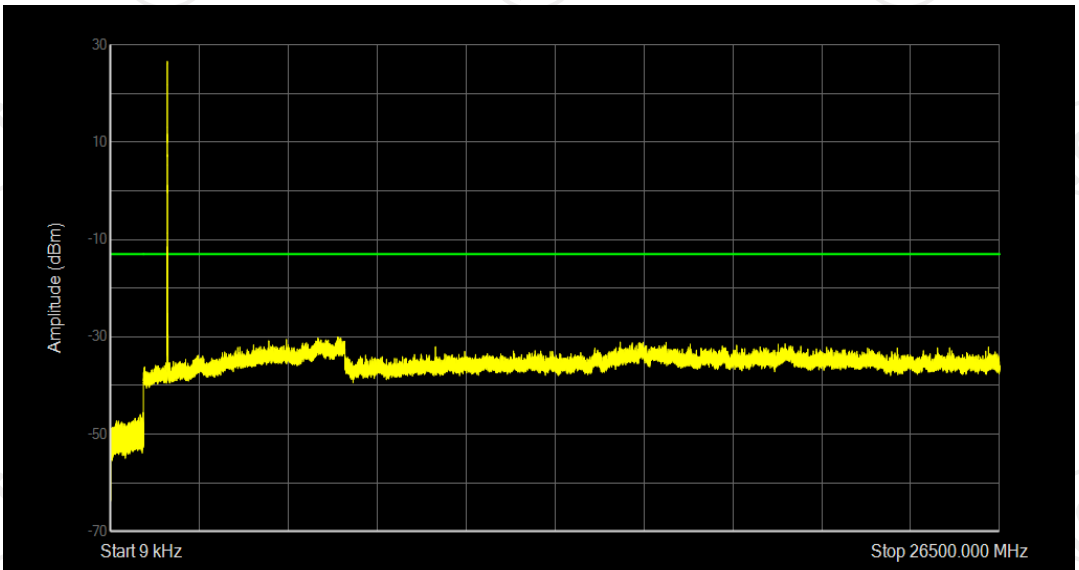
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0209004	-60.06	-13
2	0.15	30	10	0.15796	-55.93	-13
3	30	1000	100	994.309333333333	-45.67	-13
4	1000	26500	1000	6207.95	-30.05	-13

Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0



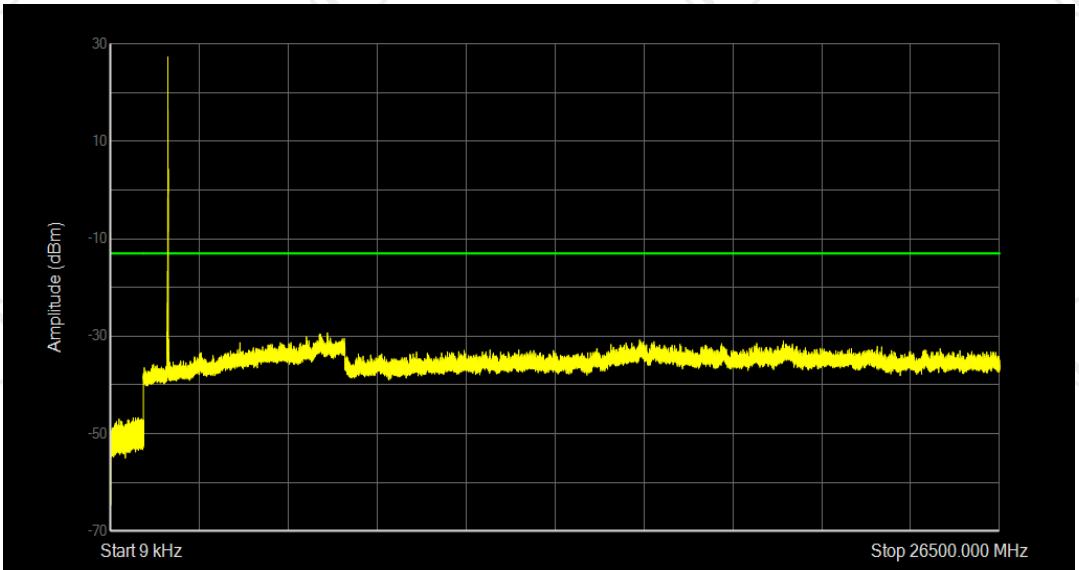
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0111291	-60.88	-13
2	0.15	30	10	12.580535	-55.95	-13
3	30	1000	100	856.407666666667	-46.45	-13
4	1000	26500	1000	6311.65	-28.72	-13

Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0



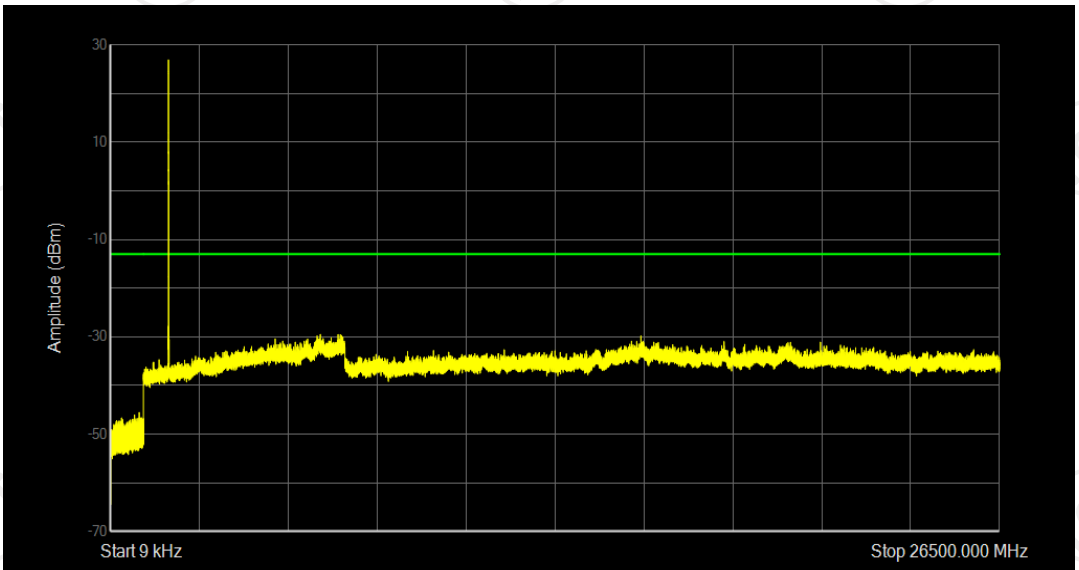
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0099776	-59.5	-13
2	0.15	30	10	0.15796	-56.08	-13
3	30	1000	100	992.822	-45.57	-13
4	1000	26500	1000	6785.95	-30.01	-13

Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0



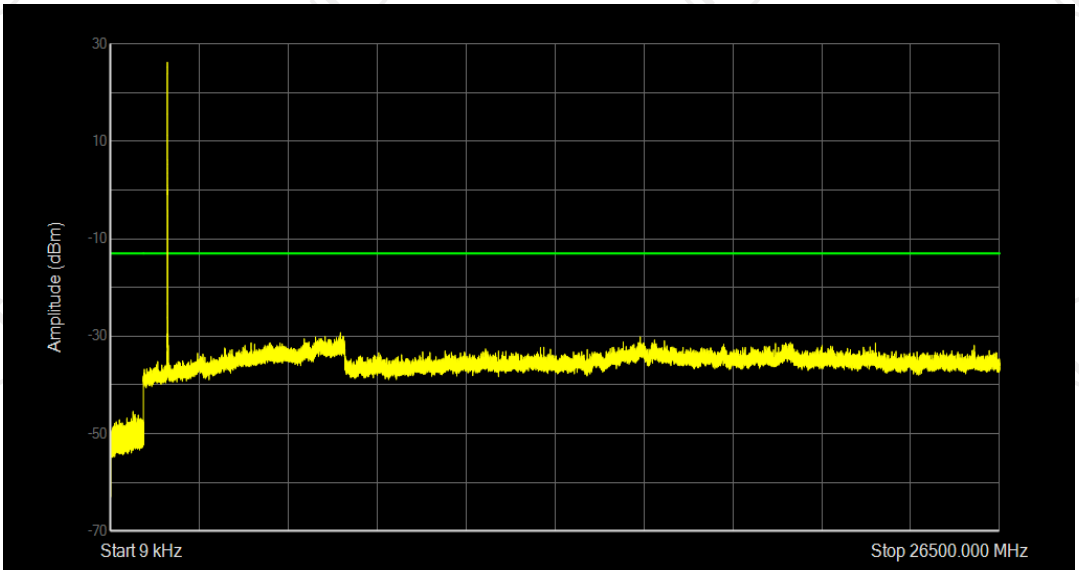
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0214127	-59.38	-13
2	0.15	30	10	0.15995	-55.01	-13
3	30	1000	100	841.308	-46.73	-13
4	1000	26500	1000	6478.25	-29.31	-13

Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0



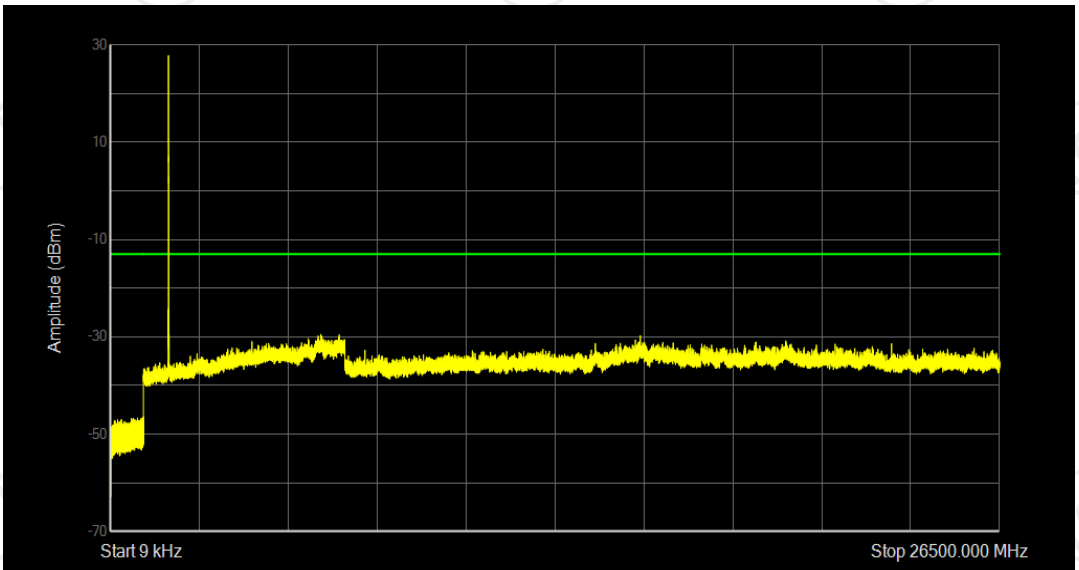
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0170558	-60.76	-13
2	0.15	30	10	12.3487	-55.66	-13
3	30	1000	100	873.285666666667	-45.56	-13
4	1000	26500	1000	6267.45	-29.52	-13

Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



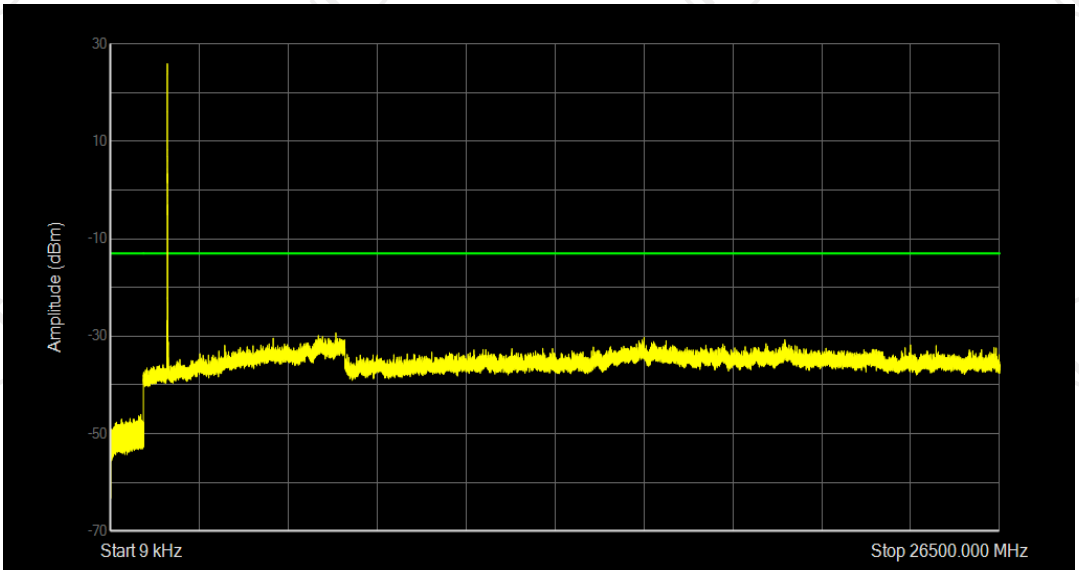
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0127647	-60.25	-13
2	0.15	30	10	11.71588	-55.84	-13
3	30	1000	100	689.955666666667	-45.46	-13
4	1000	26500	1000	6869.25	-29.26	-13

Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0



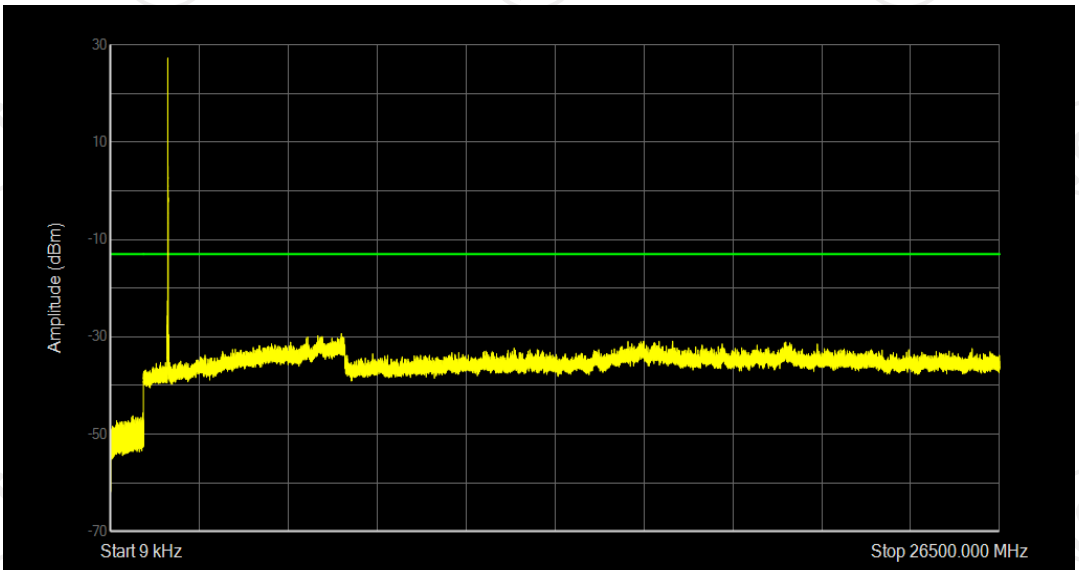
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0149596	-59.83	-13
2	0.15	30	10	0.15	-55.41	-13
3	30	1000	100	993.533333333333	-46.43	-13
4	1000	26500	1000	6279.35	-29.5	-13

Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0



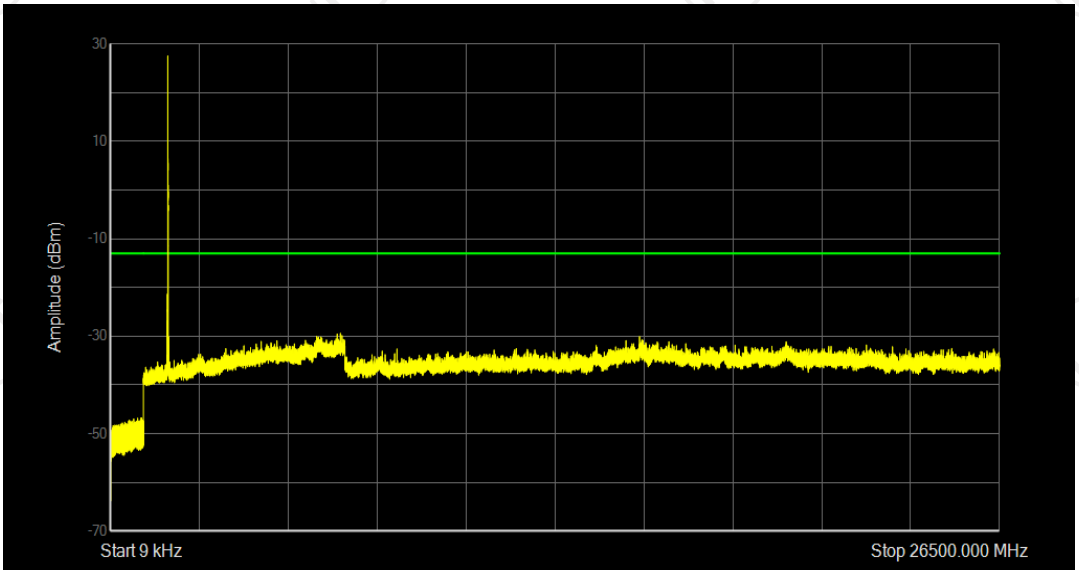
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0097379	-59.55	-13
2	0.15	30	10	12.373575	-56.34	-13
3	30	1000	100	919.716333333333	-46.09	-13
4	1000	26500	1000	6731.55	-29.33	-13

Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



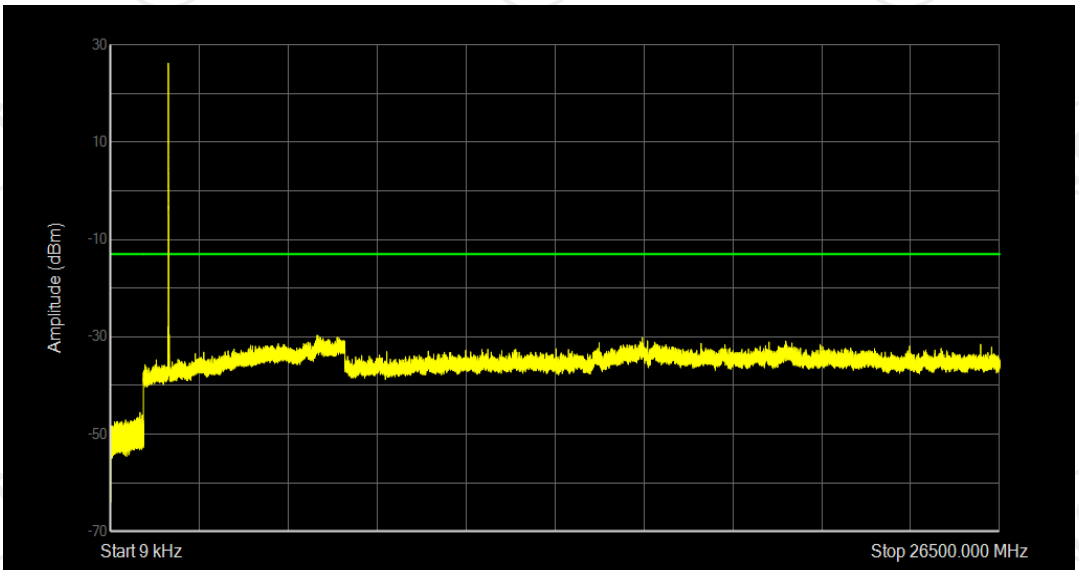
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0107437	-60.7	-13
2	0.15	30	10	12.18154	-55.3	-13
3	30	1000	100	979.500666666667	-45.69	-13
4	1000	26500	1000	6897.3	-29.33	-13

Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0



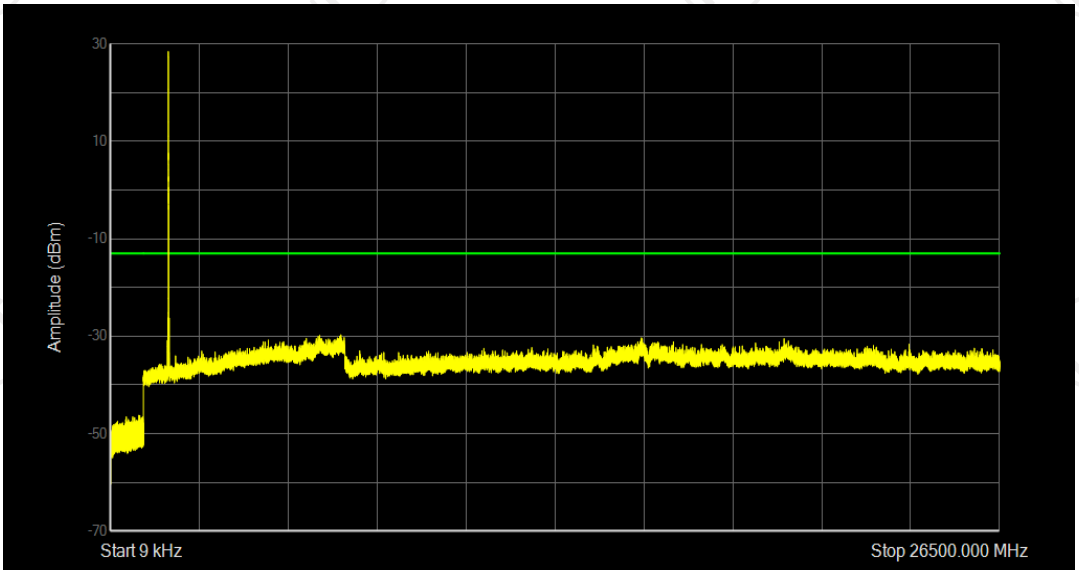
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0116555	-58.58	-13
2	0.15	30	10	0.158955	-55.94	-13
3	30	1000	100	934.460333333333	-46.75	-13
4	1000	26500	1000	6866.7	-29.41	-13

Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



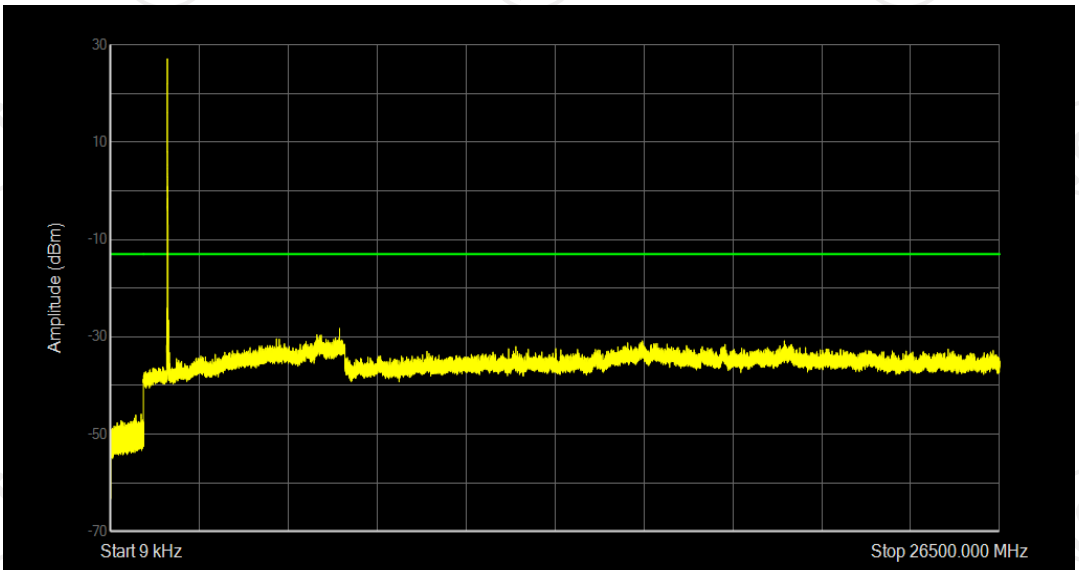
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0156035	-60.97	-13
2	0.15	30	10	12.293975	-55.07	-13
3	30	1000	100	898.764333333333	-45.55	-13
4	1000	26500	1000	6169.7	-29.69	-13

Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0



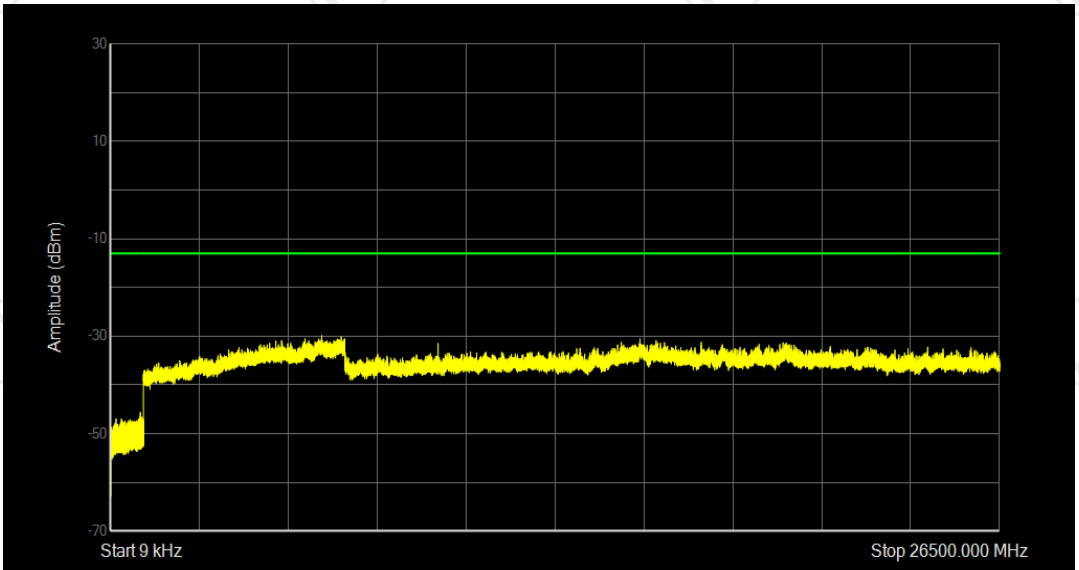
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0114346	-59.78	-13
2	0.15	30	10	0.15398	-55.15	-13
3	30	1000	100	865.364	-46.24	-13
4	1000	26500	1000	6881.15	-29.71	-13

Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0



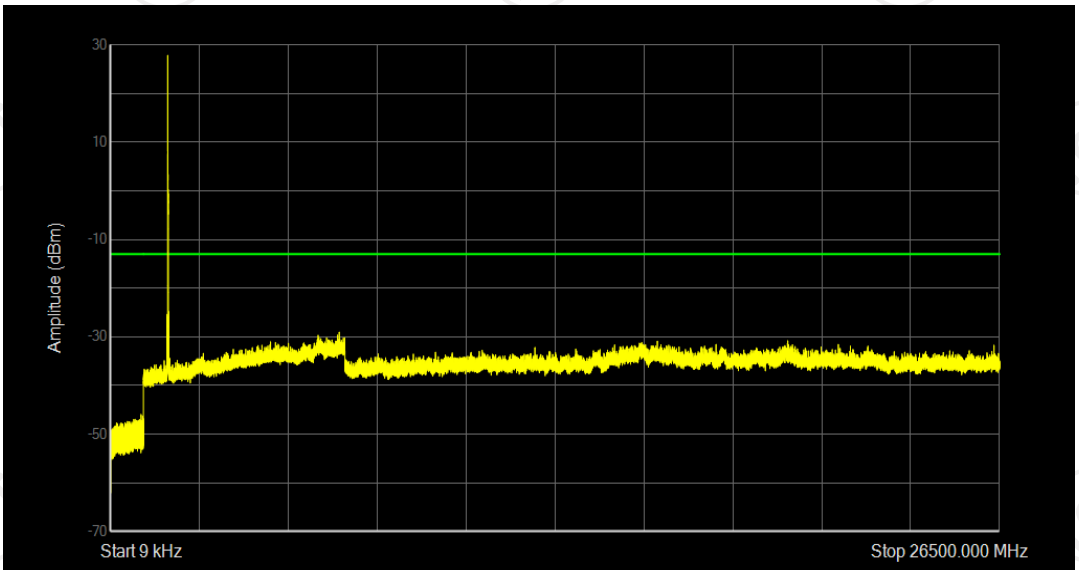
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0321945	-61.45	-13
2	0.15	30	10	12.853165	-56.71	-13
3	30	1000	100	932.358666666667	-45.89	-13
4	1000	26500	1000	6841.2	-28.28	-13

Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0



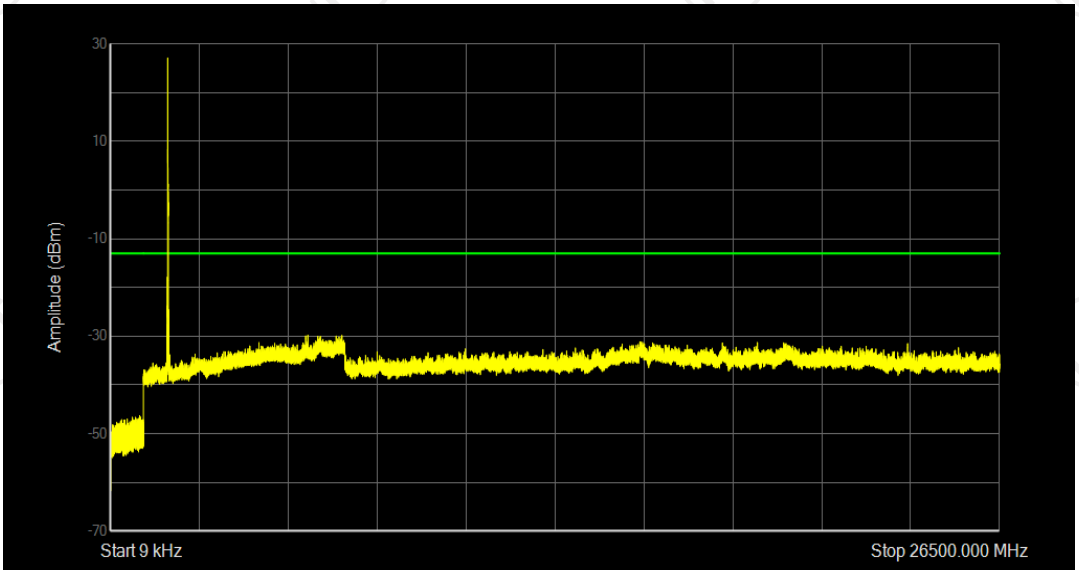
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0131313	-62.18	-13
2	0.15	30	10	12.636255	-56.68	-13
3	30	1000	100	906.233333333333	-45.65	-13
4	1000	26500	1000	6310.8	-29.84	-13

Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



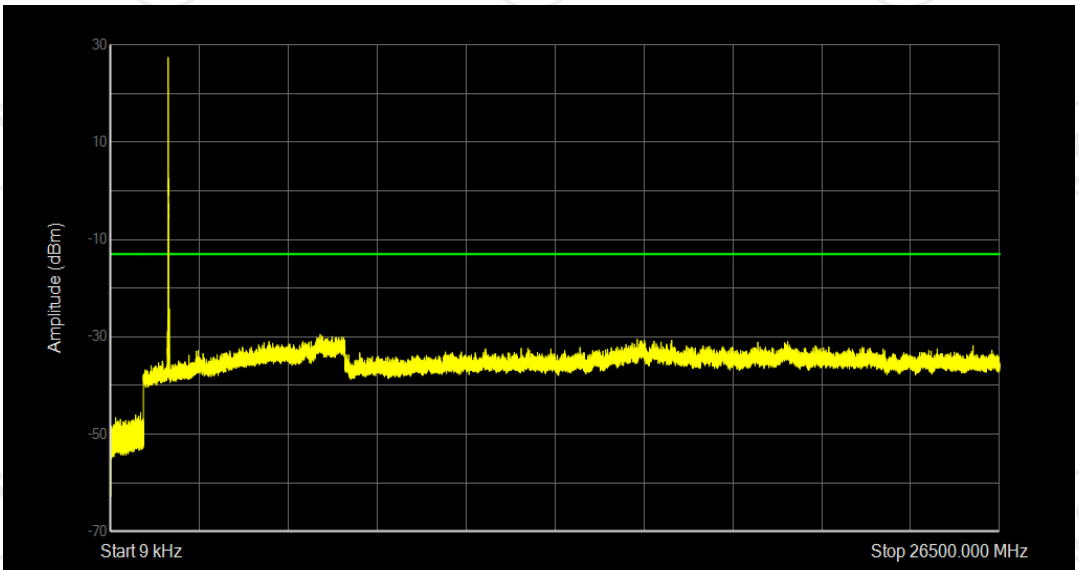
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0104617	-59.05	-13
2	0.15	30	10	0.15	-54.56	-13
3	30	1000	100	927.573333333333	-45.95	-13
4	1000	26500	1000	6831.85	-29.04	-13

Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0



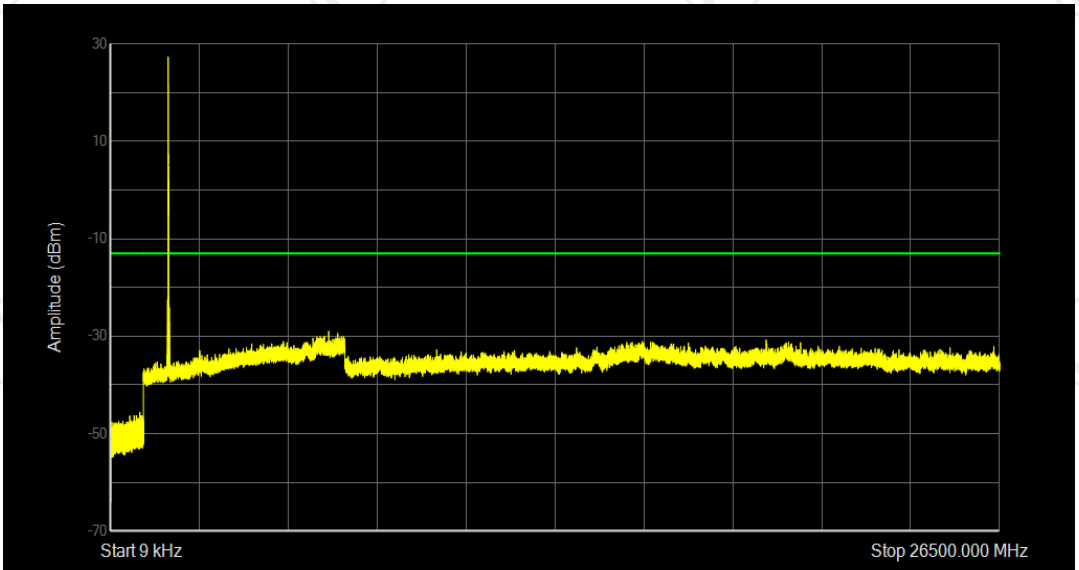
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0140948	-58.69	-13
2	0.15	30	10	0.164925	-56.02	-13
3	30	1000	100	887.221333333333	-46.3	-13
4	1000	26500	1000	5898.55	-29.78	-13

Band4 QPSK BW=20MHz Channel=20300 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	0.0214644	-59.54	-13
2	0.15	30	10	12.763615	-56.33	-13
3	30	1000	100	919.102	-45.55	-13
4	1000	26500	1000	6265.75	-29.5	-13

Band4 16QAM BW=20MHz Channel=20300 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	0.0138269	-58.56	-13
2	0.15	30	10	21.21415	-56.44	-13
3	30	1000	100	892.006666666667	-45.6	-13
4	1000	26500	1000	6516.5	-28.99	-13