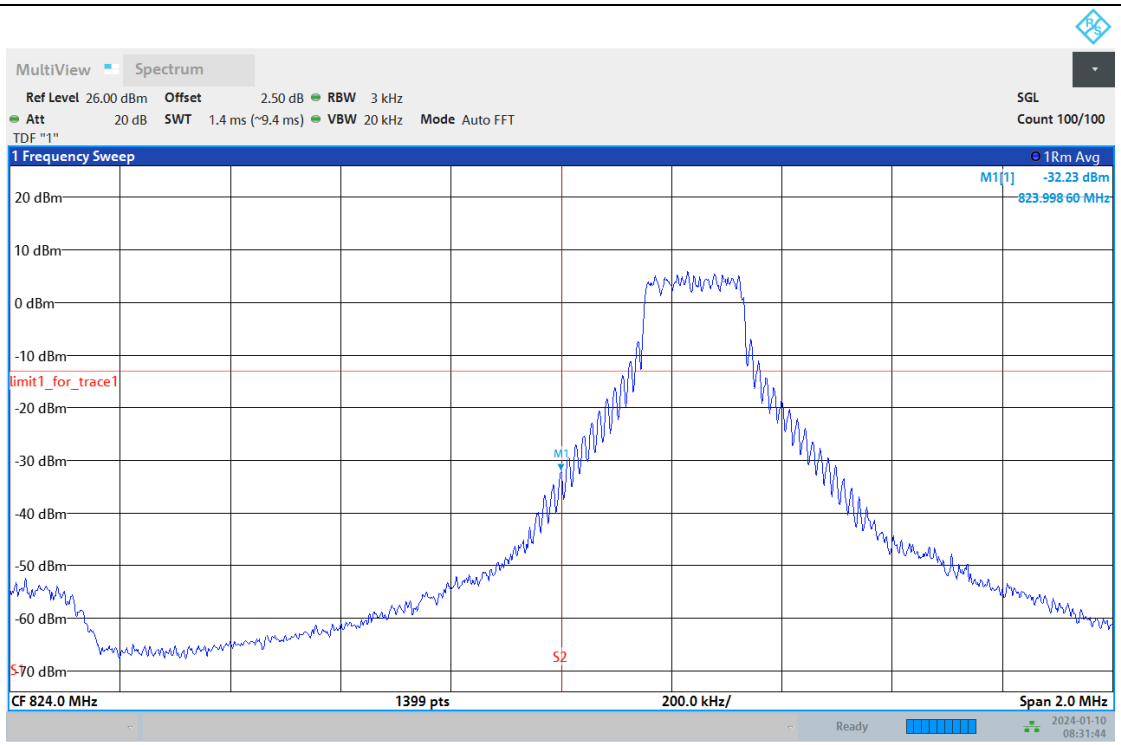
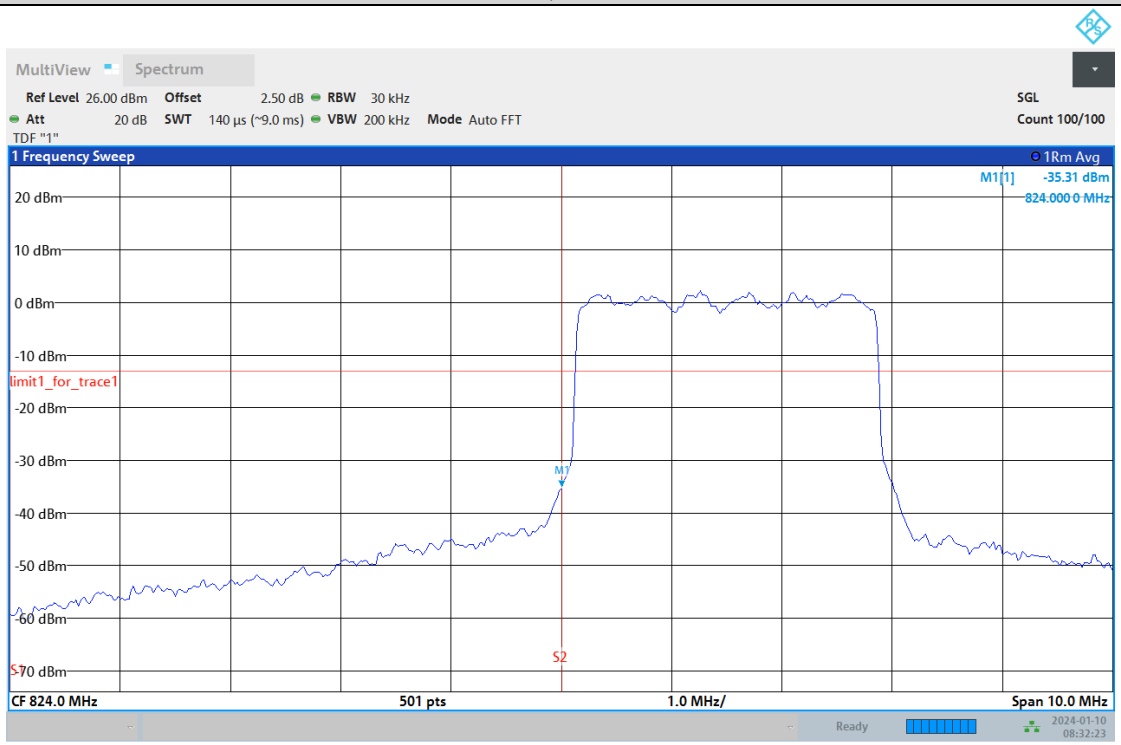


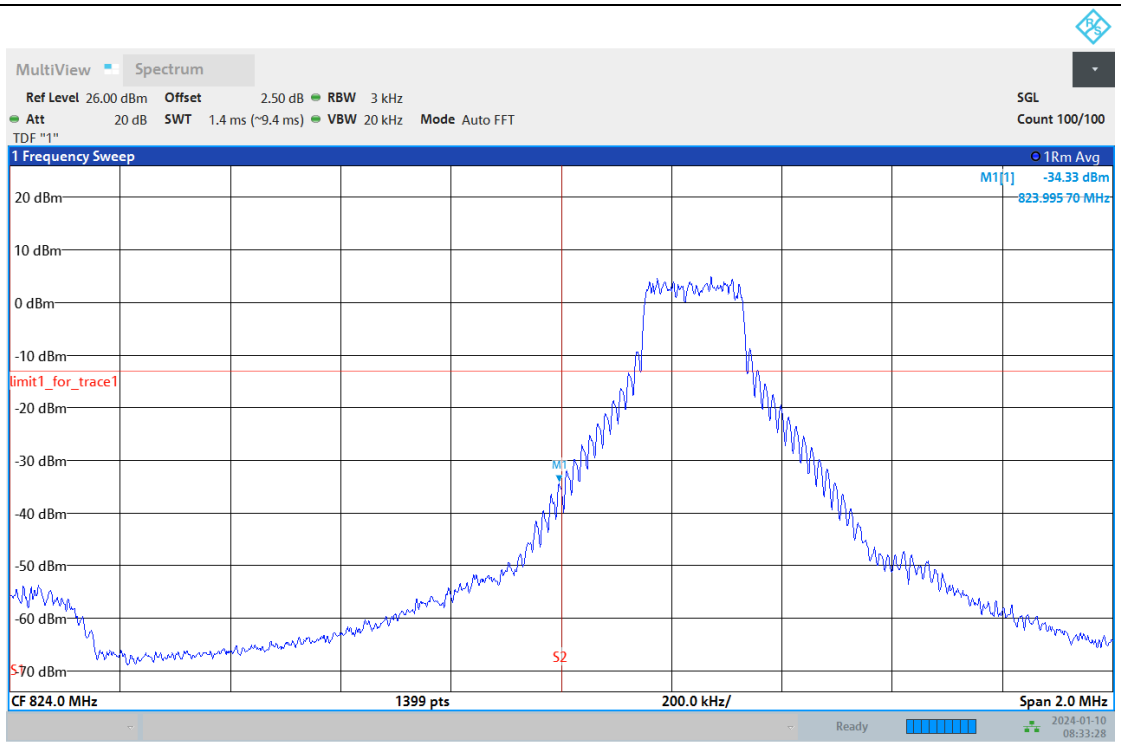
08:31:44 AM 01/10/2024

Band5-3MHz-16QAM-20415-15RB#0



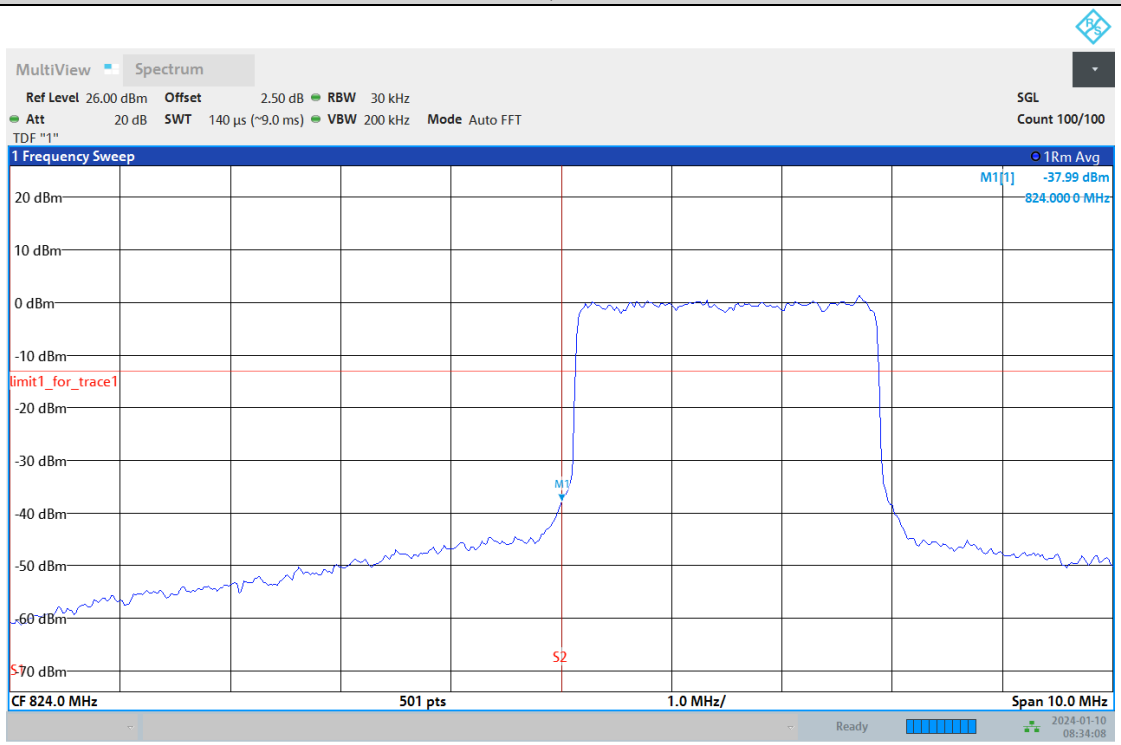
08:32:24 AM 01/10/2024

Band5-3MHz-64QAM-20415-1RB#0



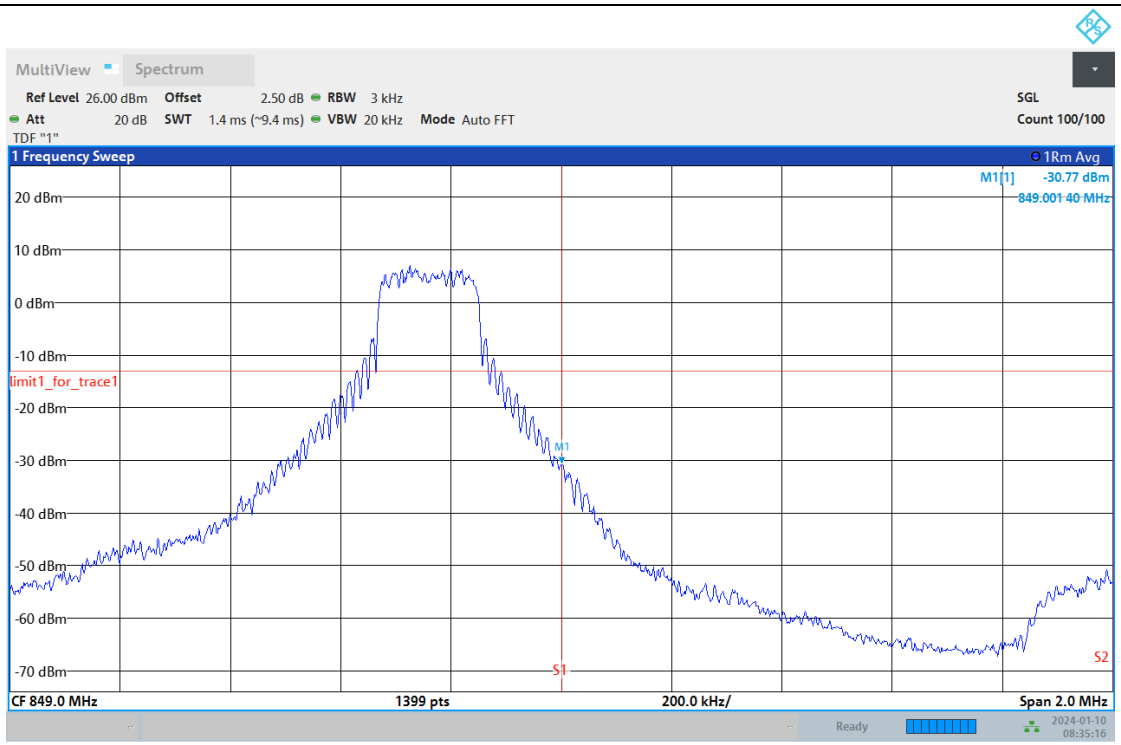
08:33:28 AM 01/10/2024

Band5-3MHz-64QAM-20415-15RB#0



08:34:09 AM 01/10/2024

Band5-3MHz-QPSK-20635-1RB#14



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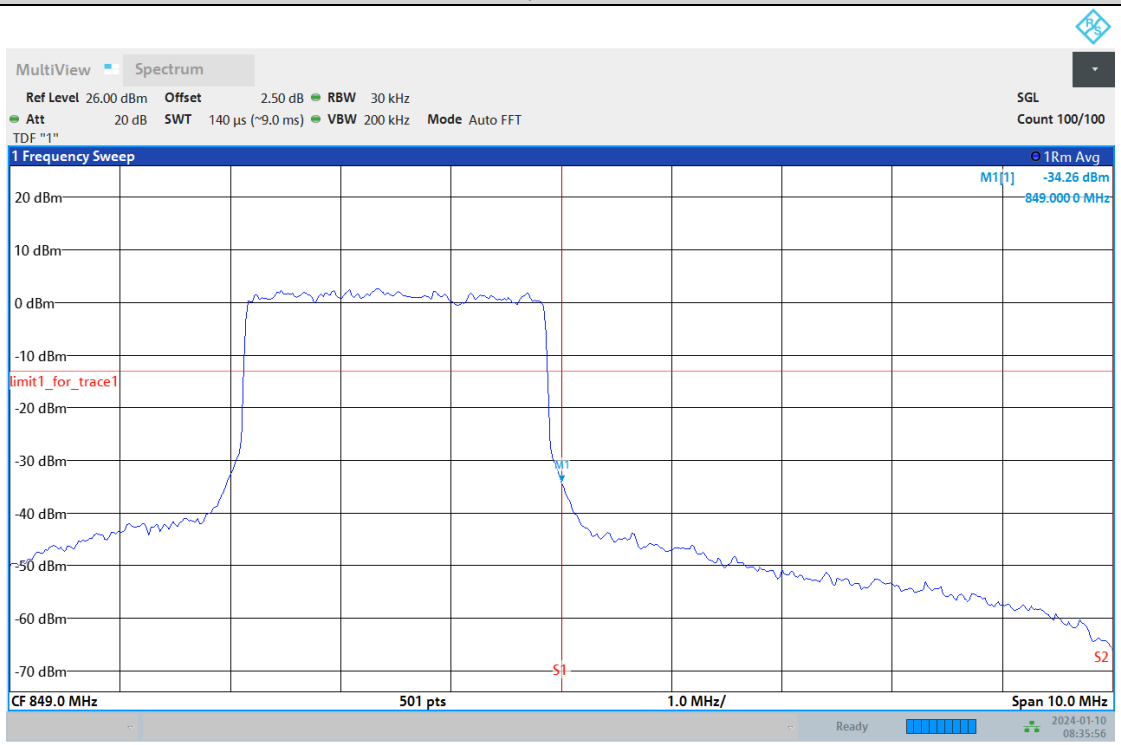
Band5-3MHz-QPSK-20635-15RB#0



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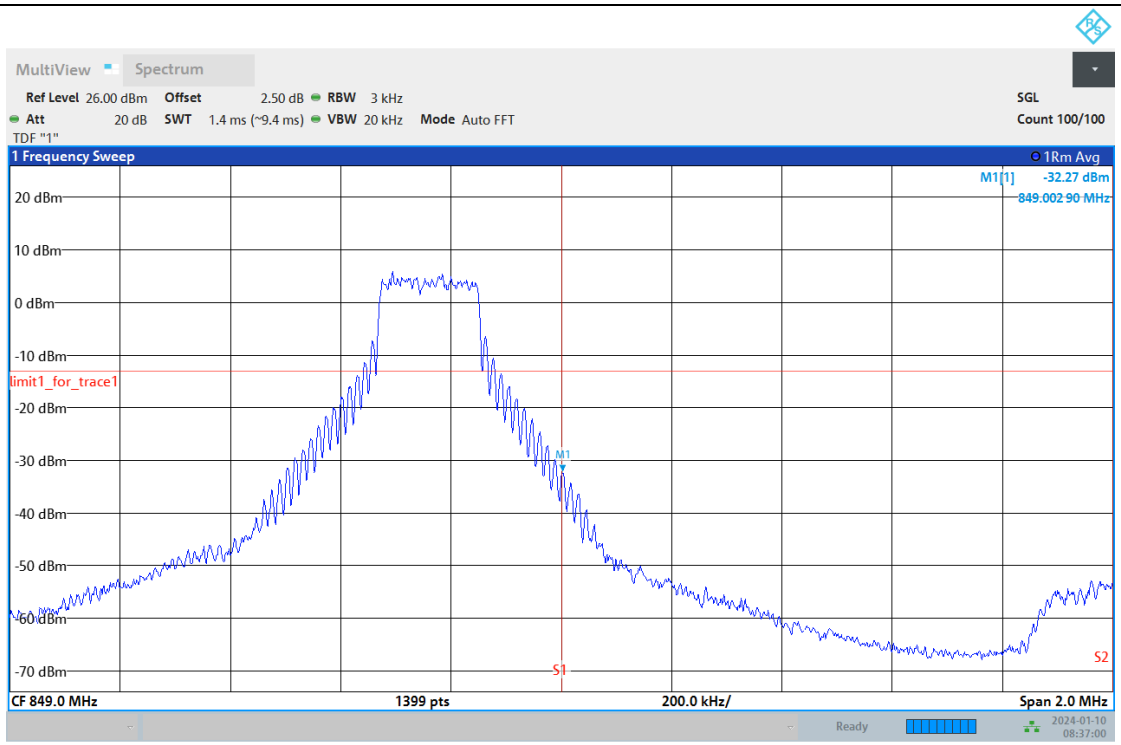
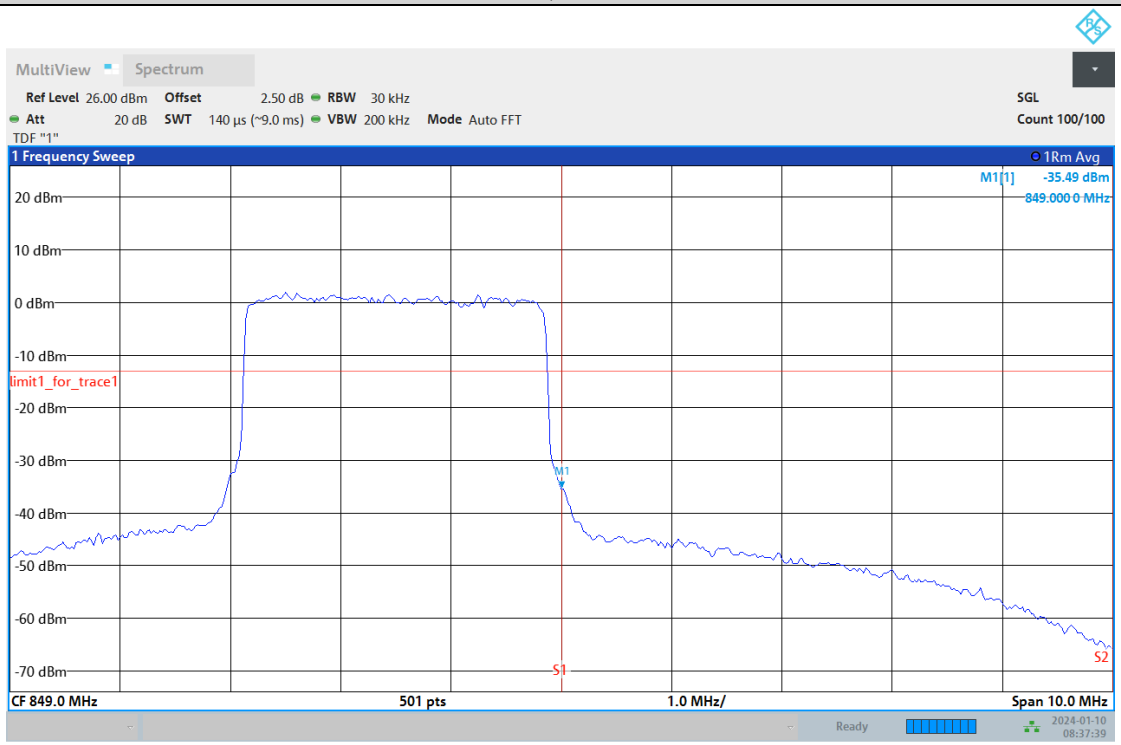
Band5-3MHz-16QAM-20635-1RB#14



08:37:00 AM 01/10/2024

Band5-3MHz-16QAM-20635-15RB#0



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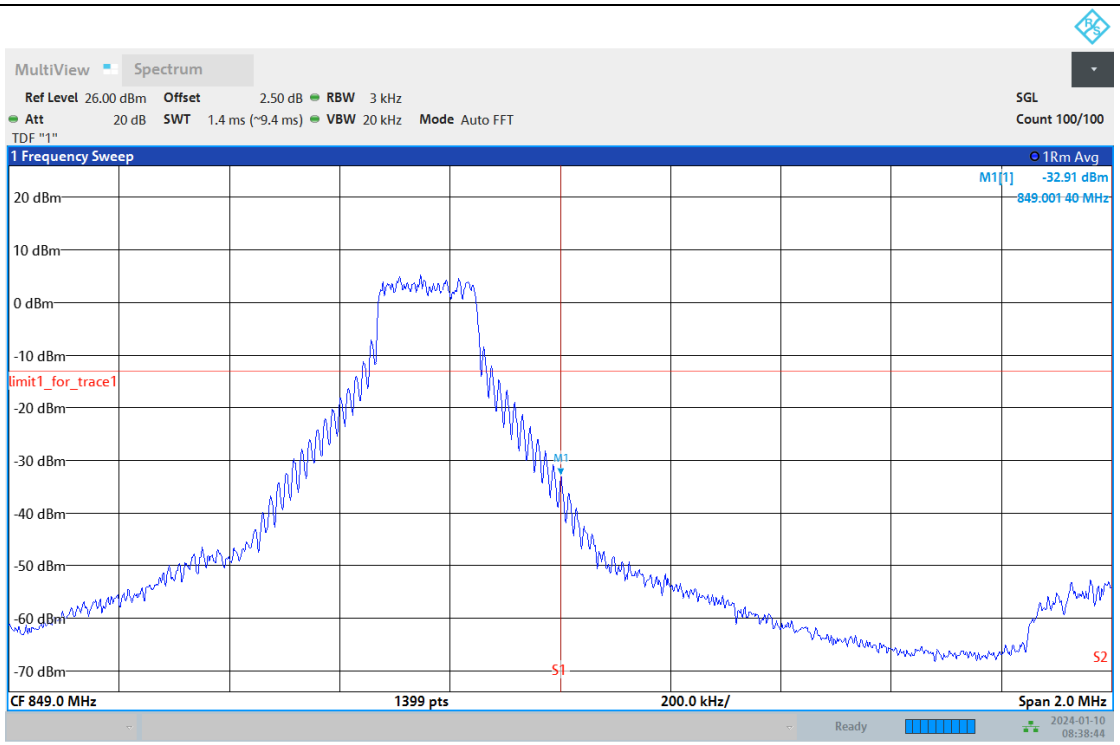
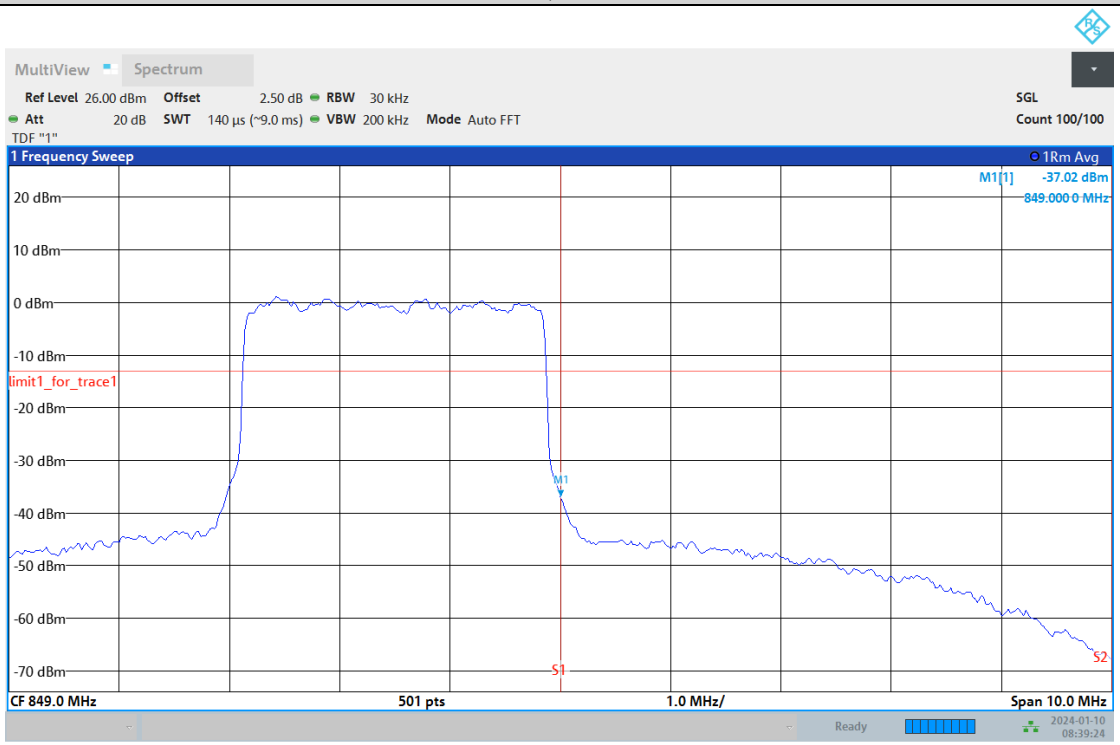
Band5-3MHz-64QAM-20635-1RB#14



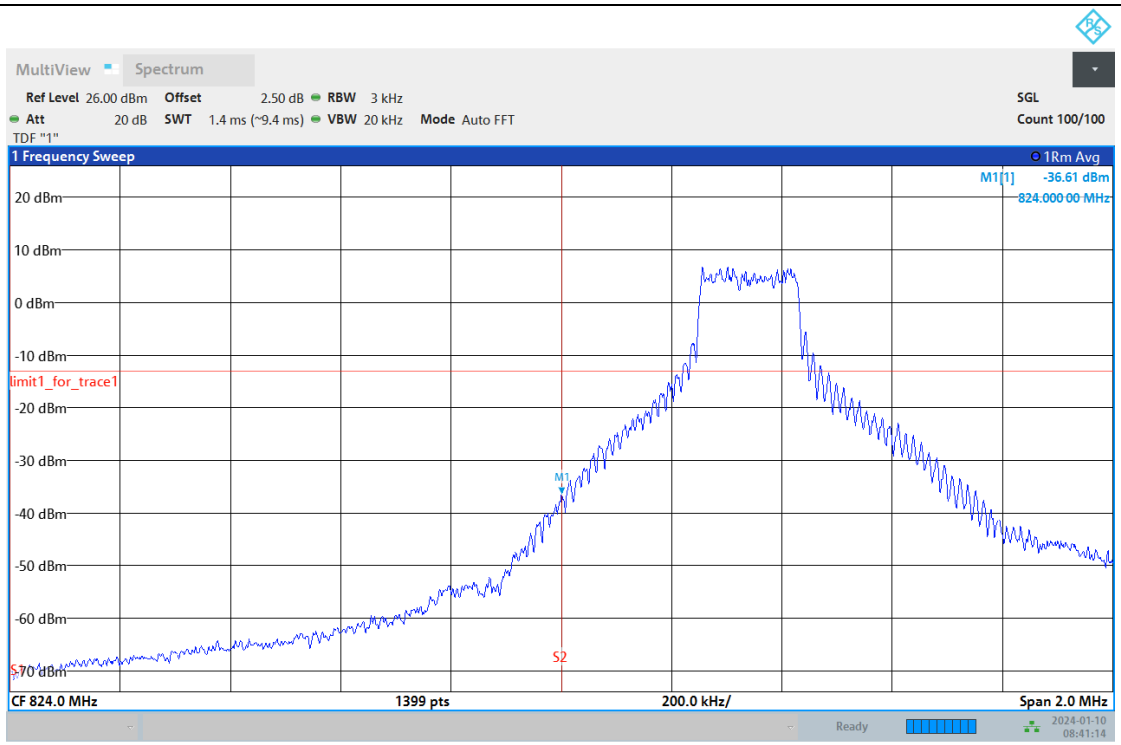
08:38:44 AM 01/10/2024

Band5-3MHz-64QAM-20635-15RB#0



08:39:25 AM 01/10/2024

Band5-5MHz-QPSK-20425-1RB#0



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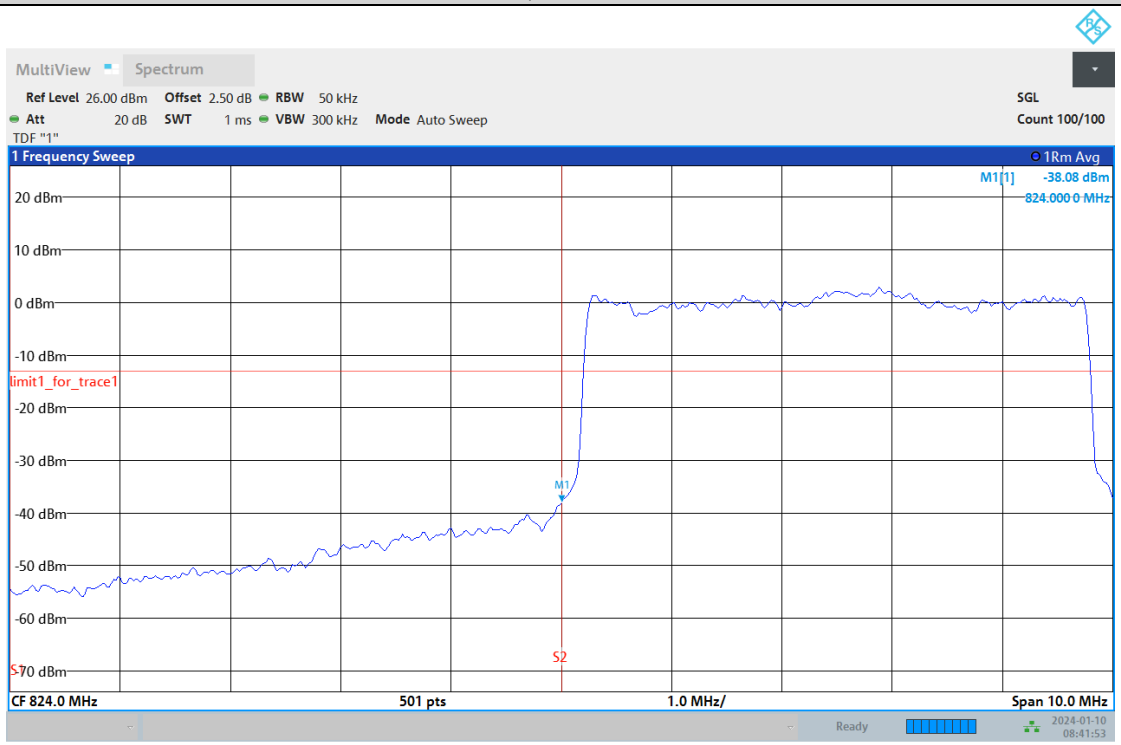
Band5-5MHz-QPSK-20425-25RB#0



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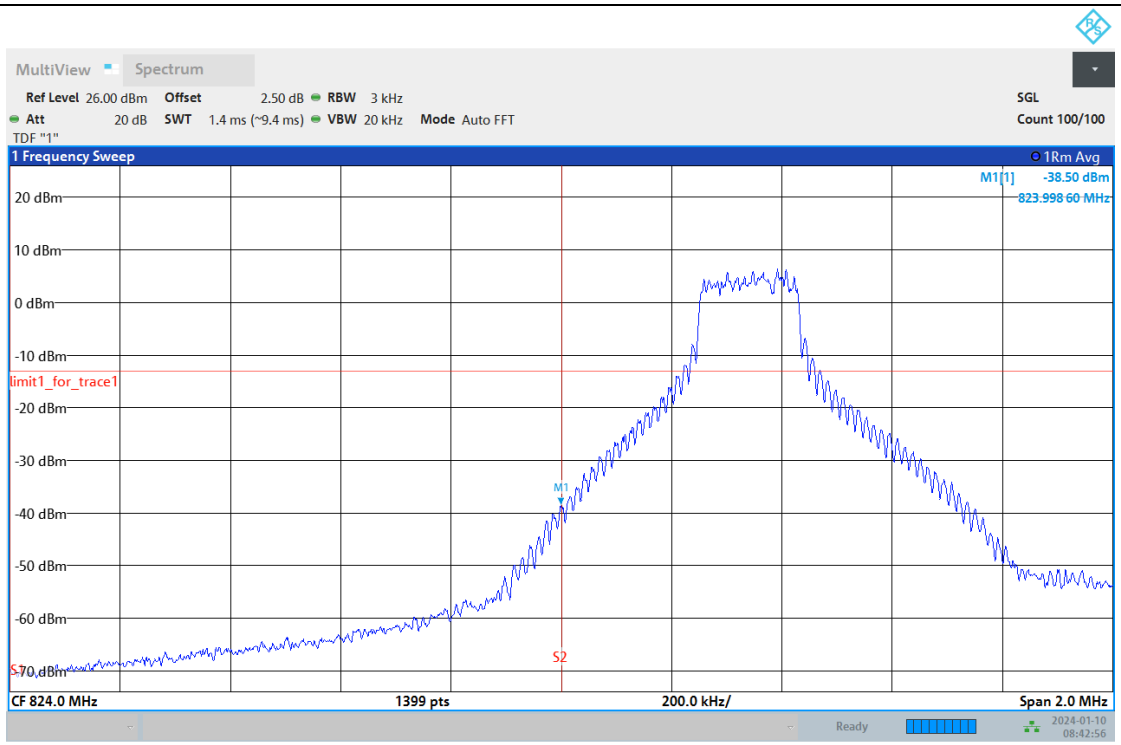
Band5-5MHz-16QAM-20425-1RB#0



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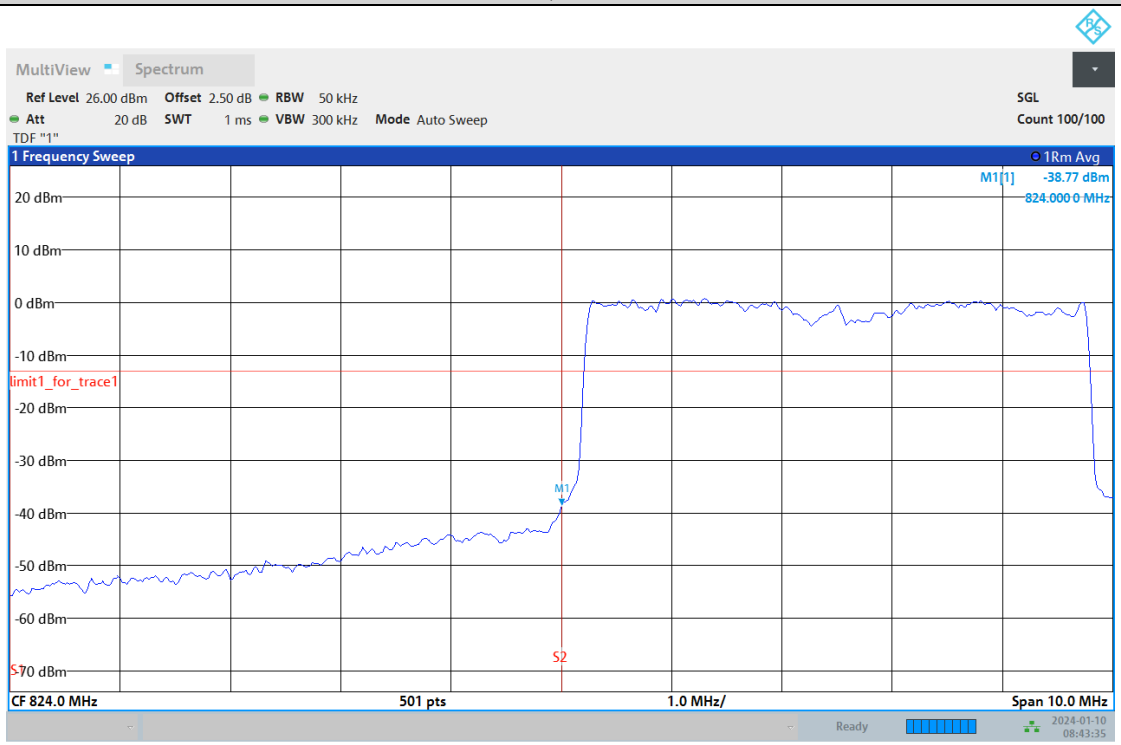
Band5-5MHz-16QAM-20425-25RB#0



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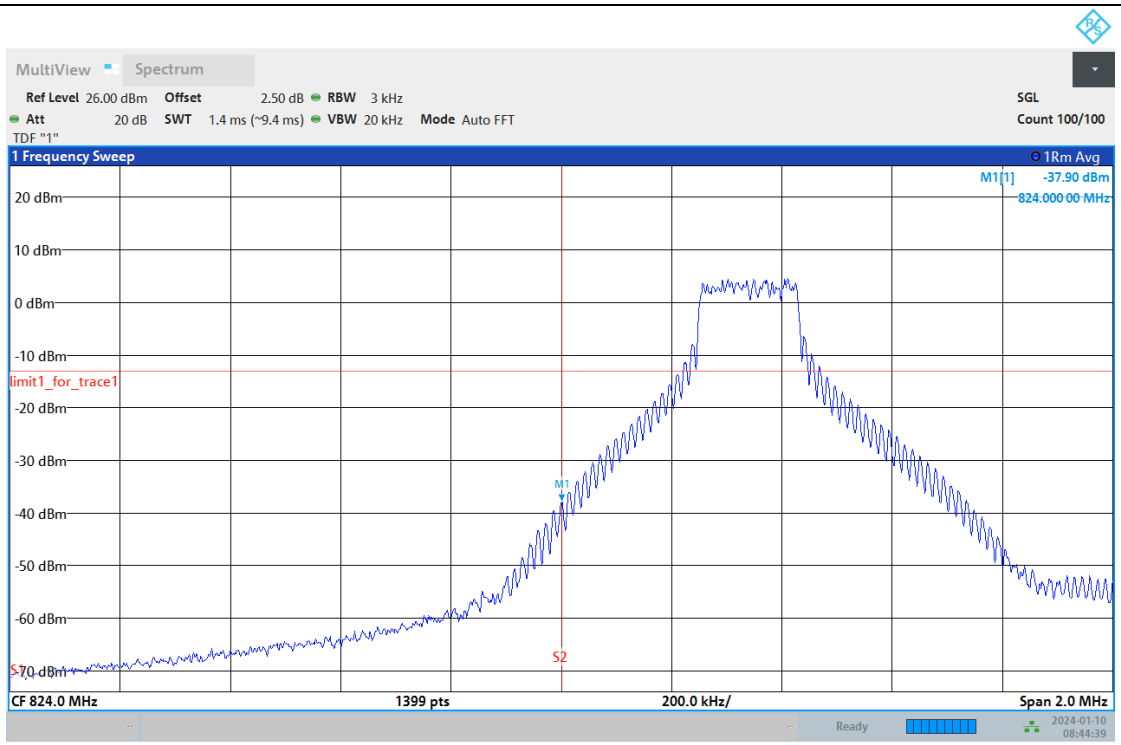
Band5-5MHz-64QAM-20425-1RB#0



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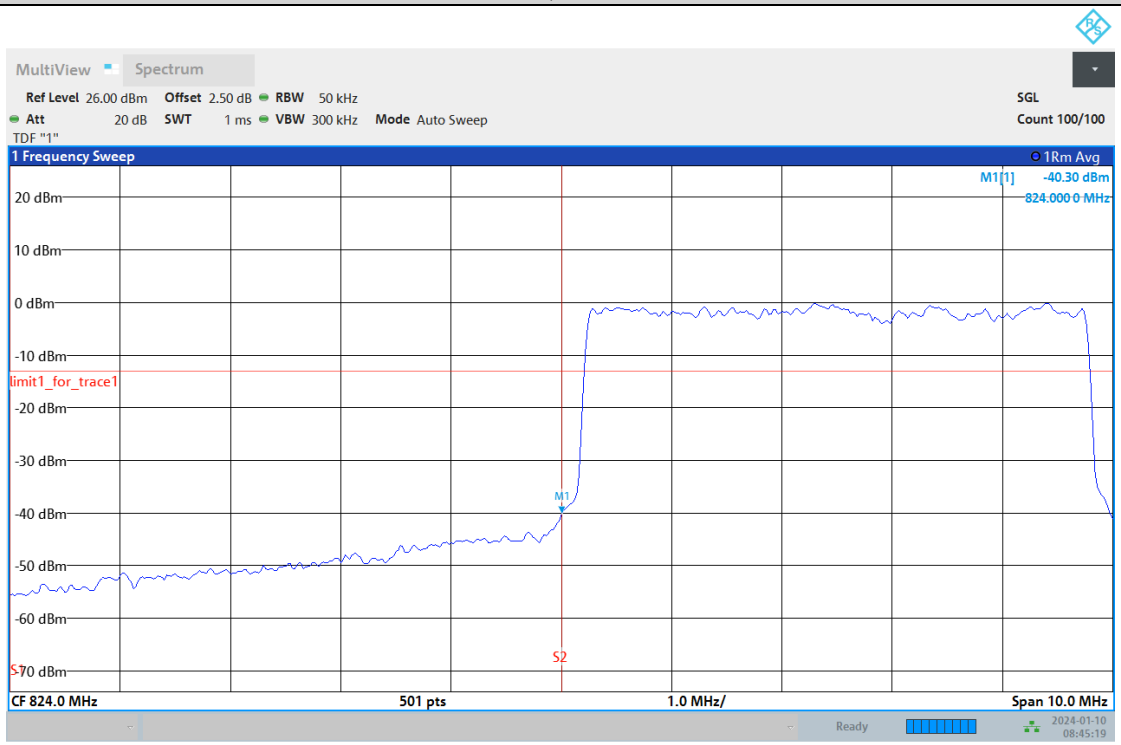
Band5-5MHz-64QAM-20425-25RB#0



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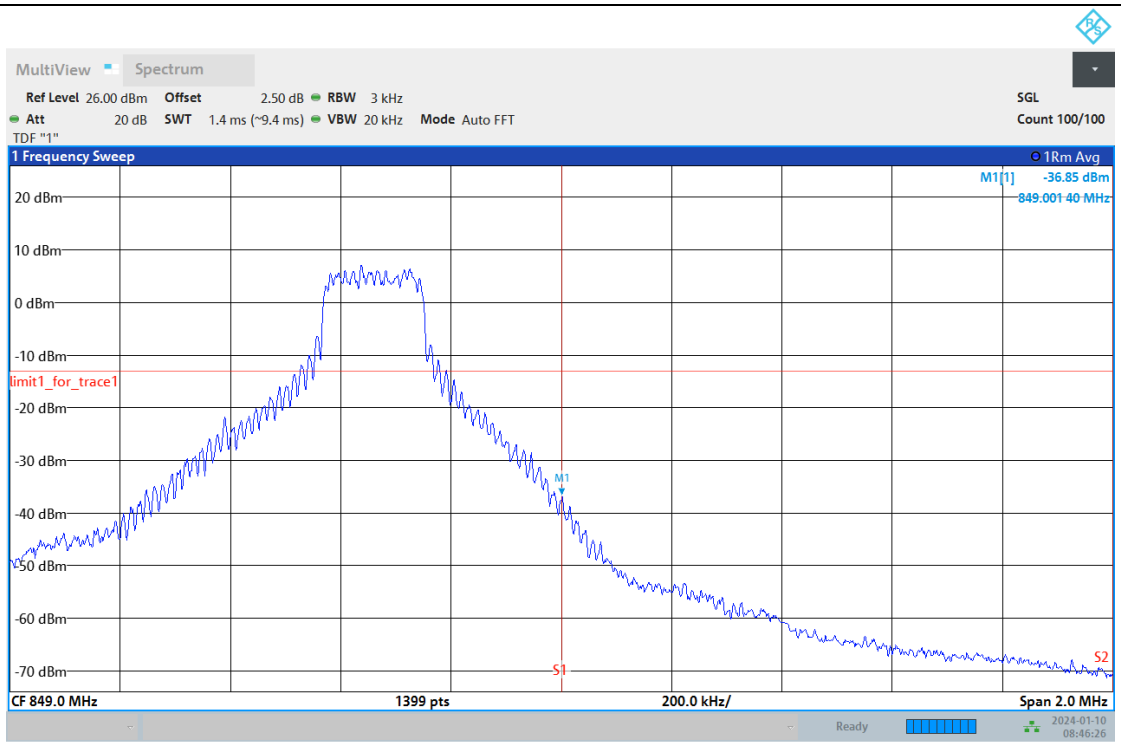
Band5-5MHz-QPSK-20625-1RB#24



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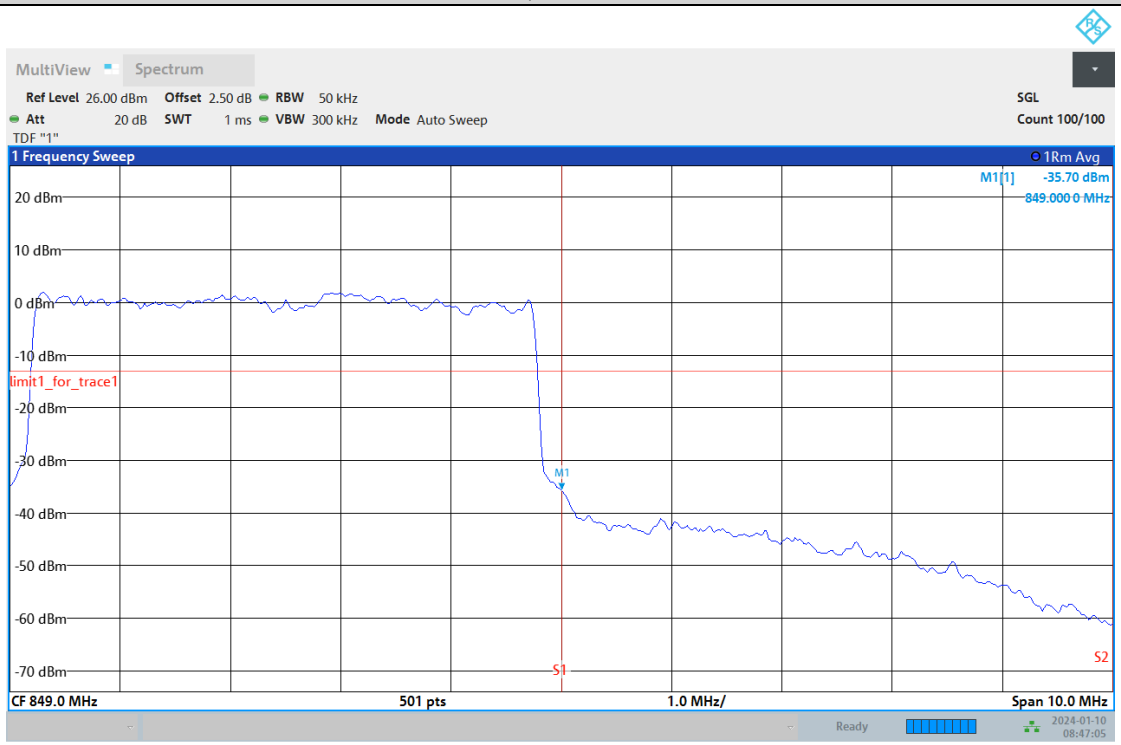
Band5-5MHz-QPSK-20625-25RB#0



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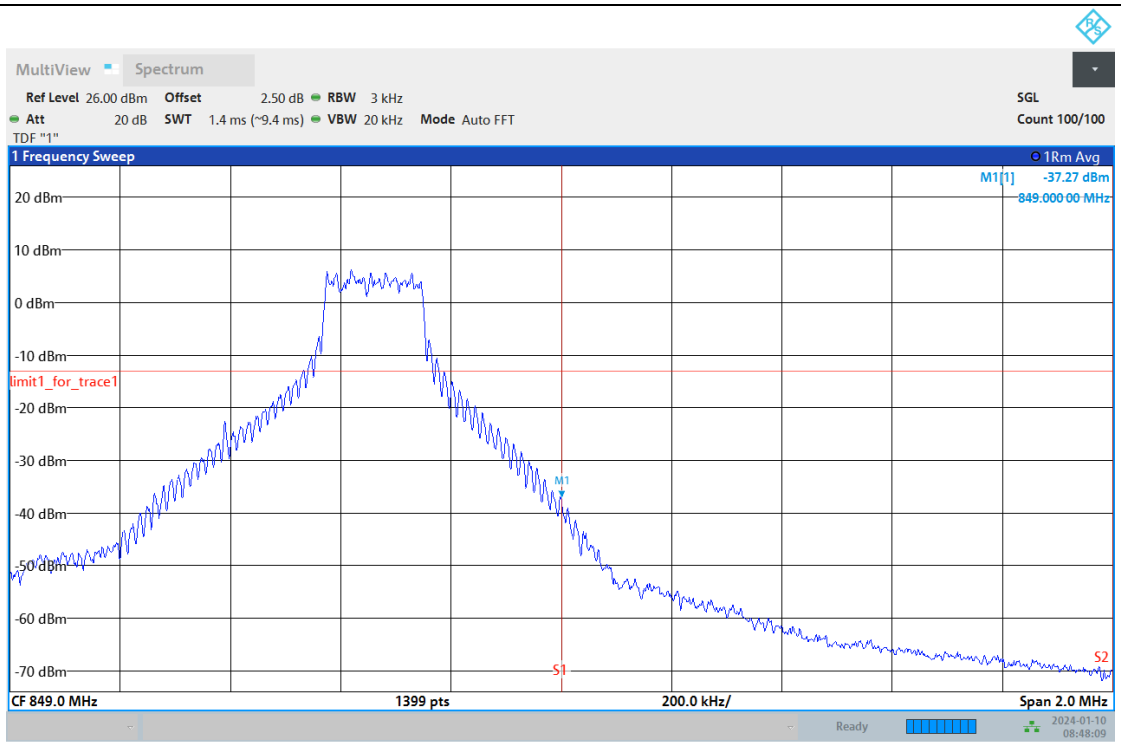
Band5-5MHz-16QAM-20625-1RB#24



08:48:10 AM 01/10/2024

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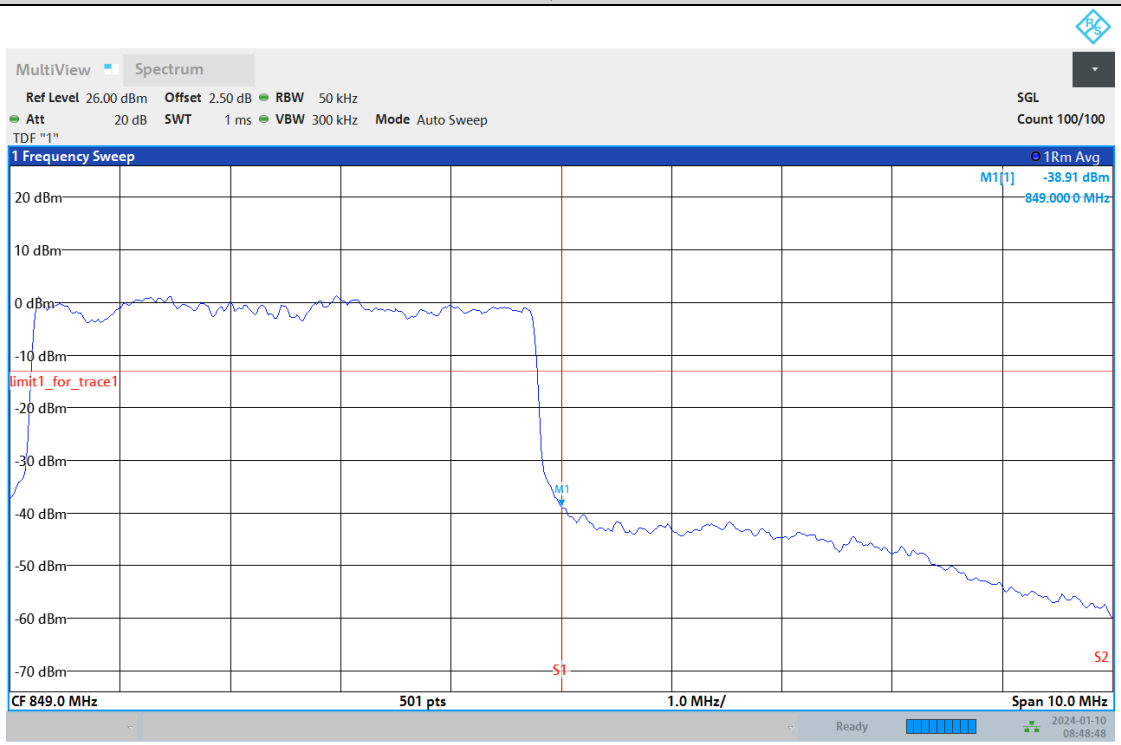

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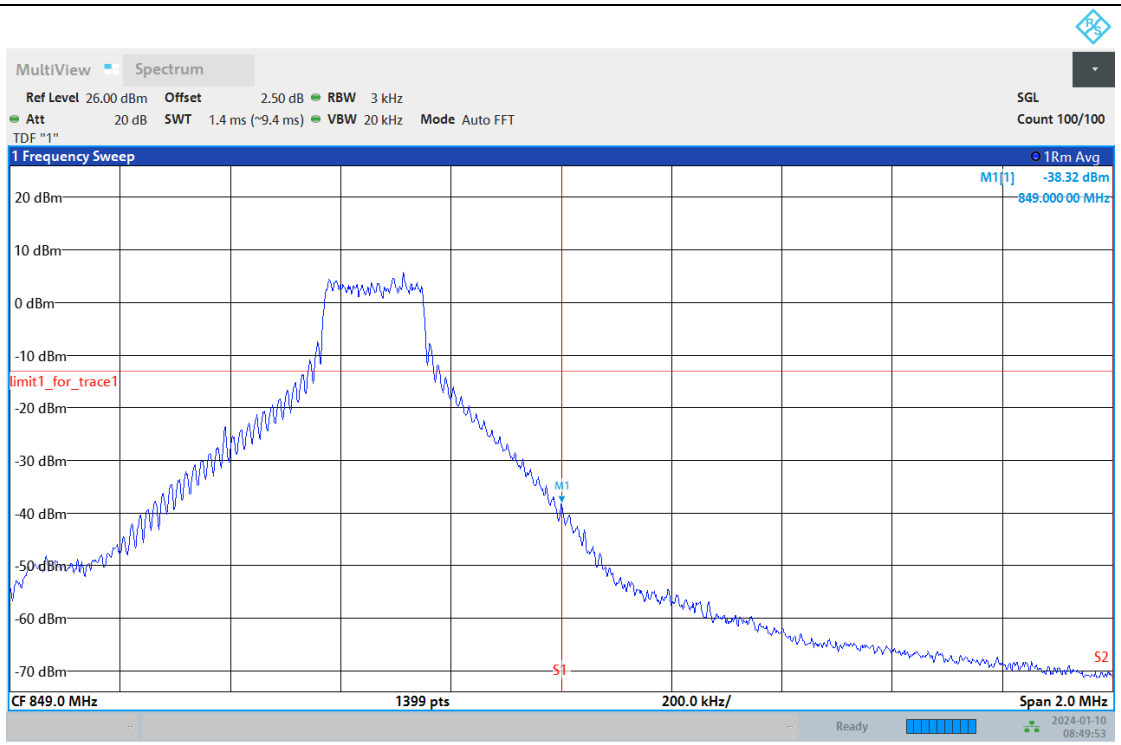
Band5-5MHz-64QAM-20625-1RB#24



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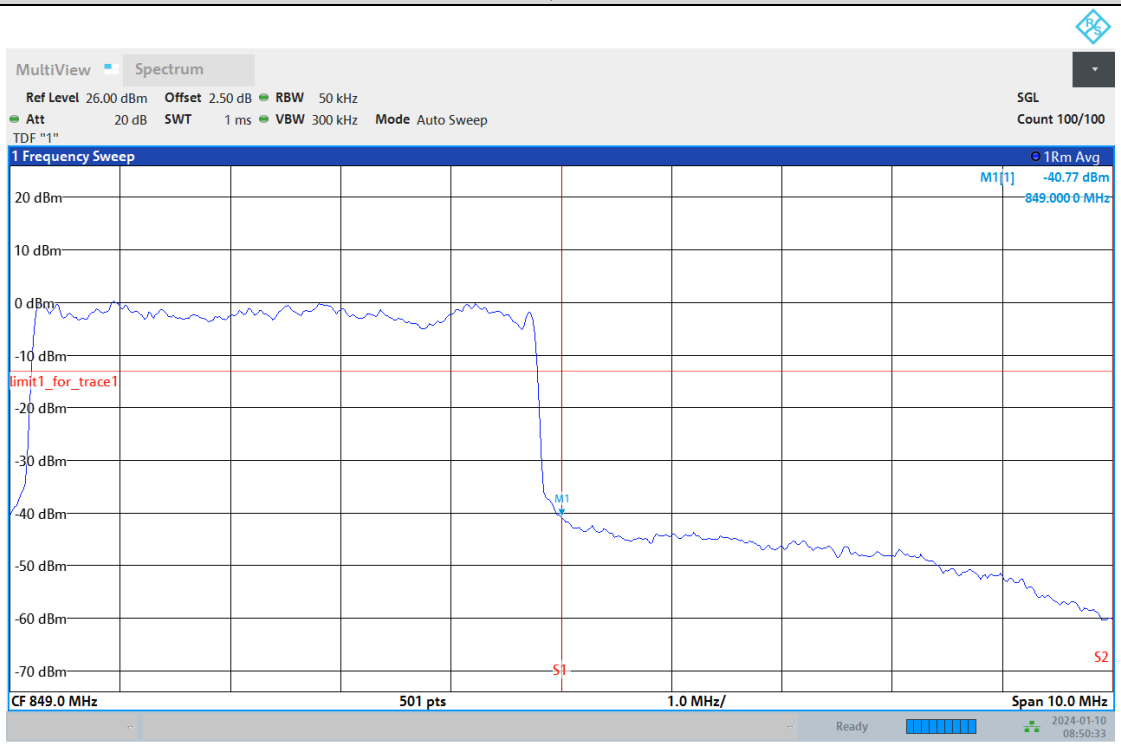
Band5-5MHz-64QAM-20625-25RB#0



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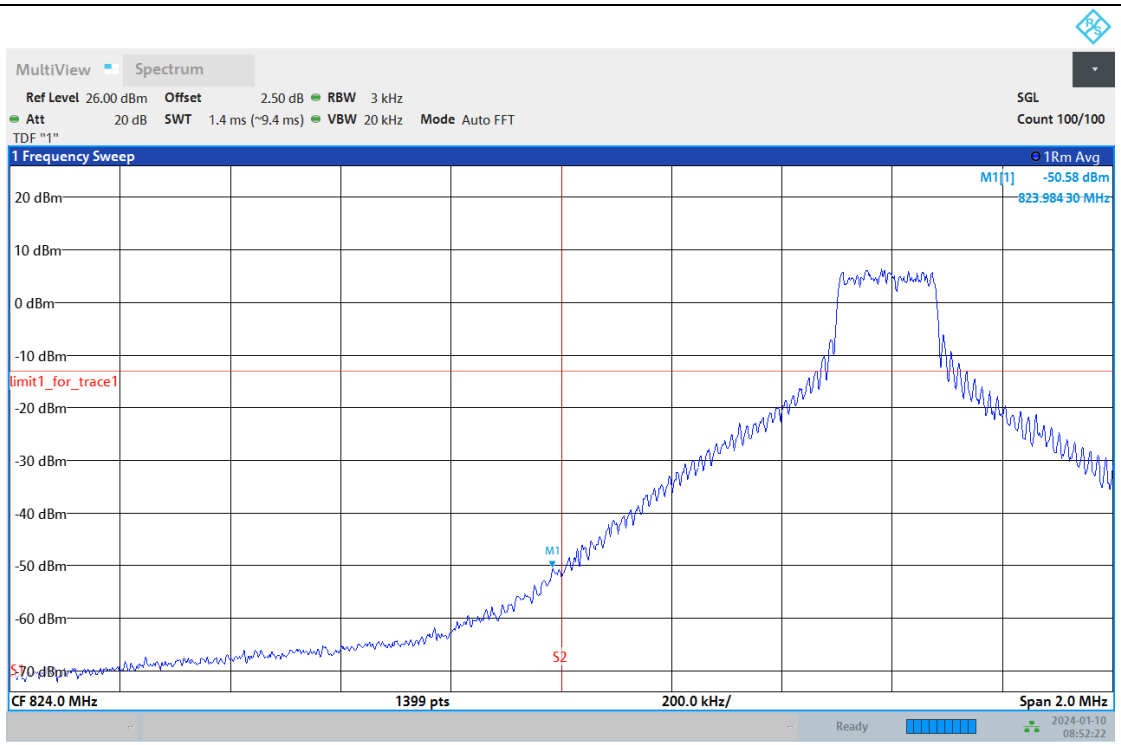
Band5-10MHz-QPSK-20450-1RB#0



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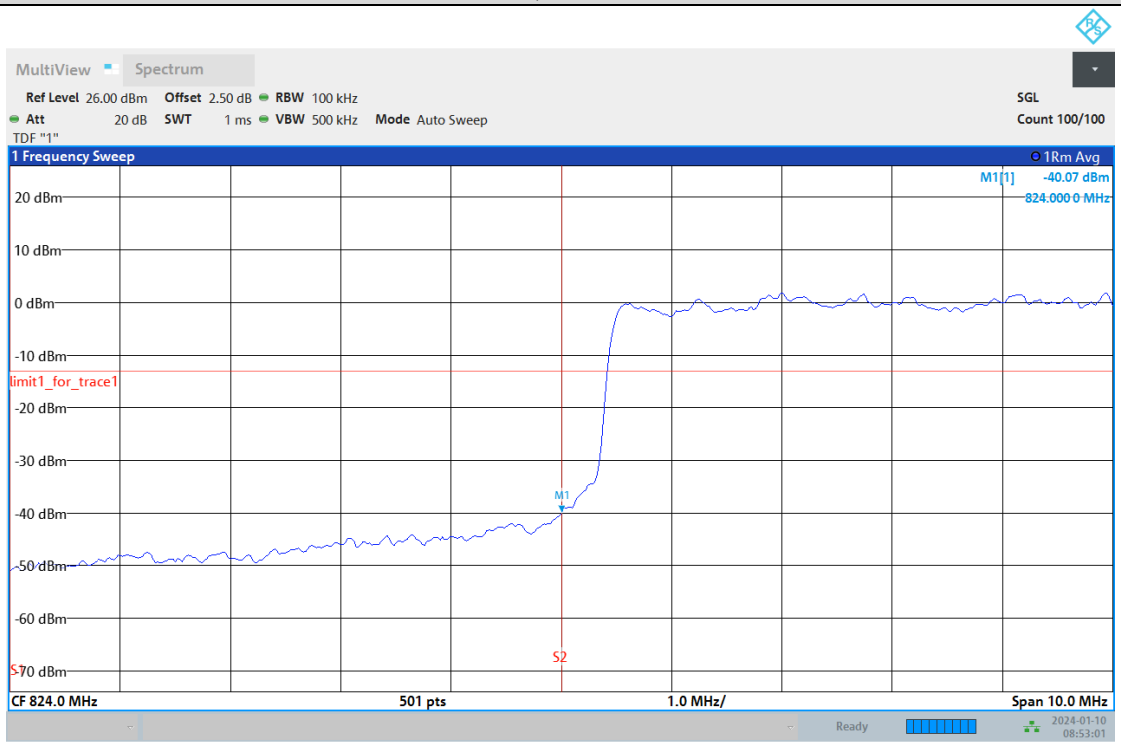
Band5-10MHz-QPSK-20450-50RB#0



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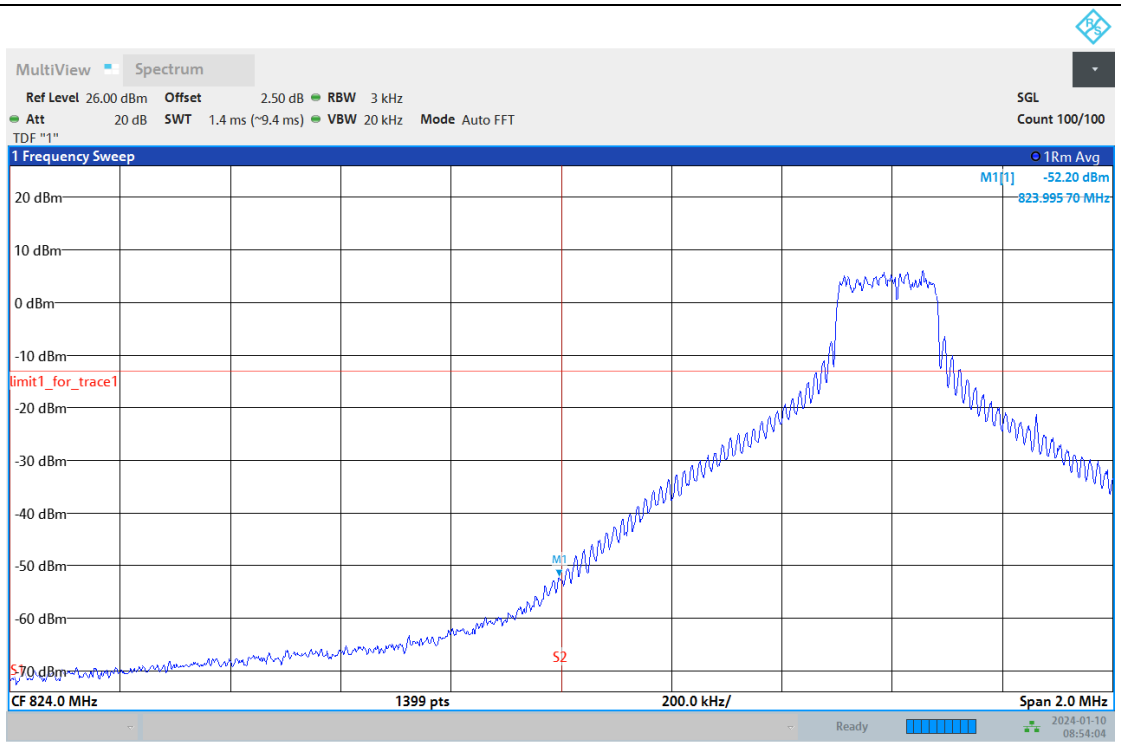
Band5-10MHz-16QAM-20450-1RB#0



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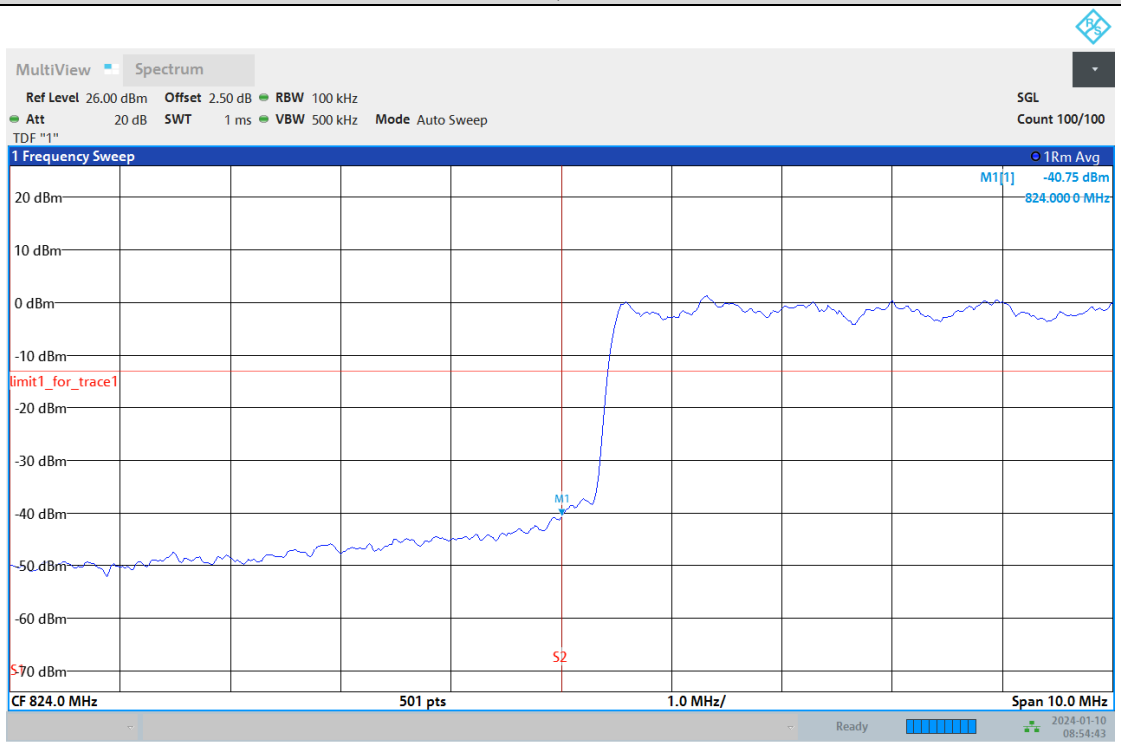

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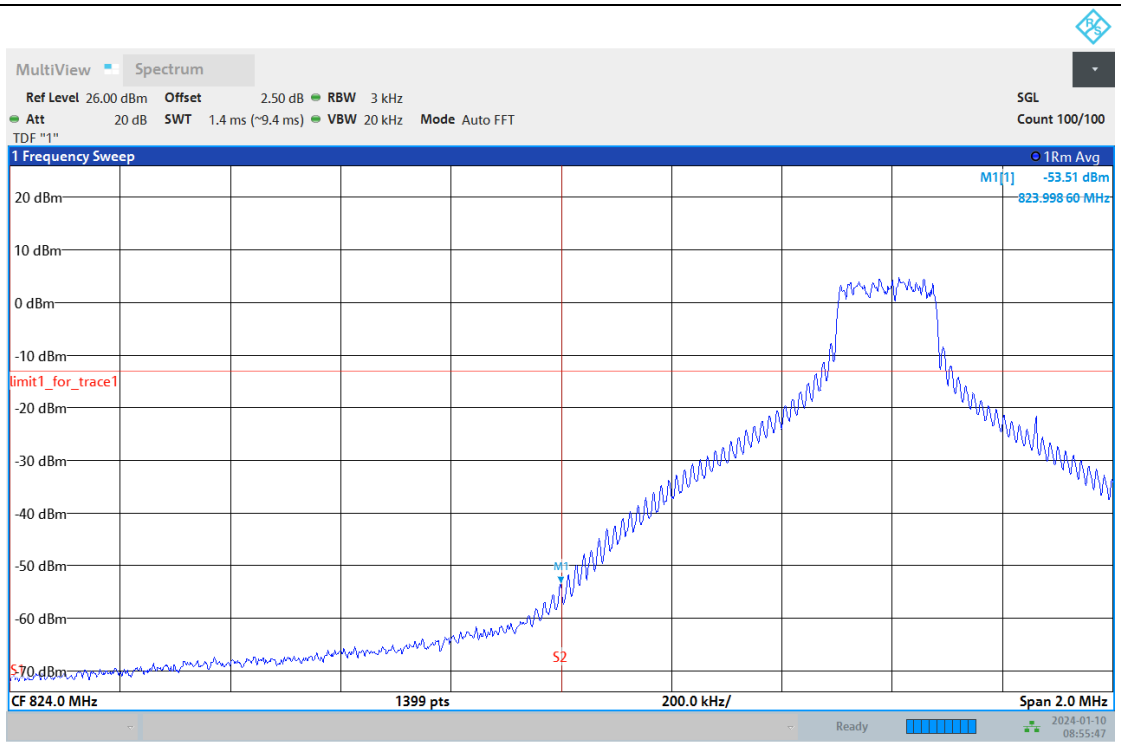
Band5-10MHz-64QAM-20450-1RB#0



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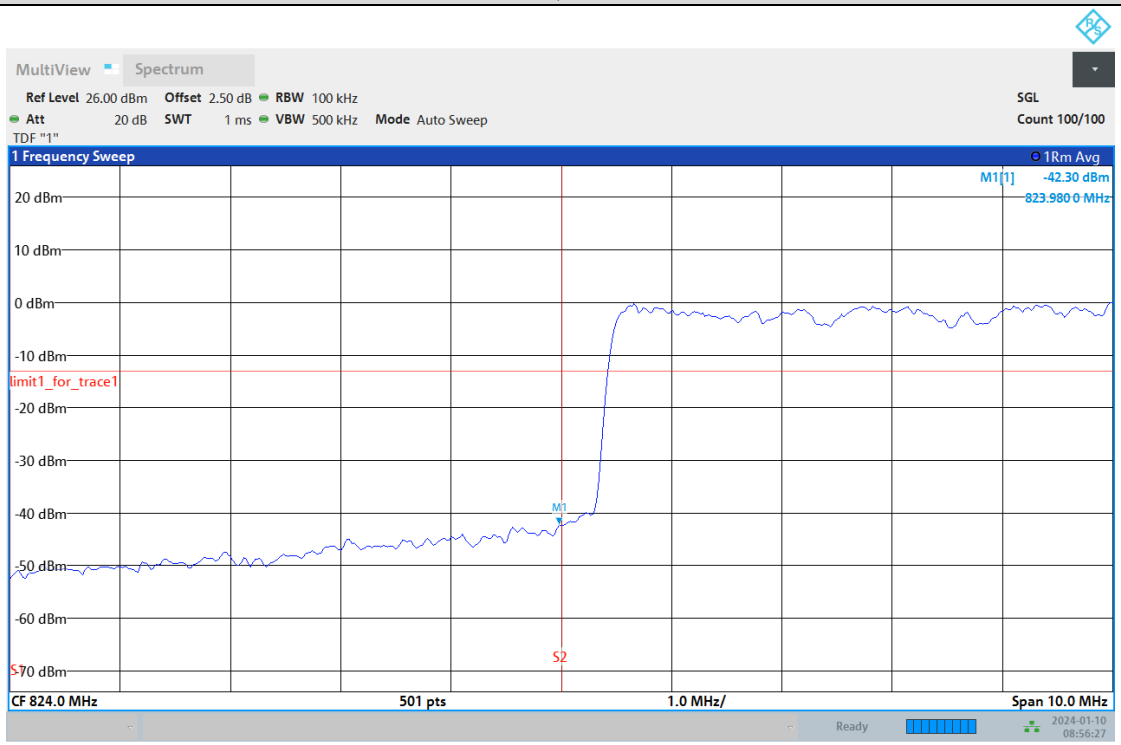
Band5-10MHz-64QAM-20450-50RB#0



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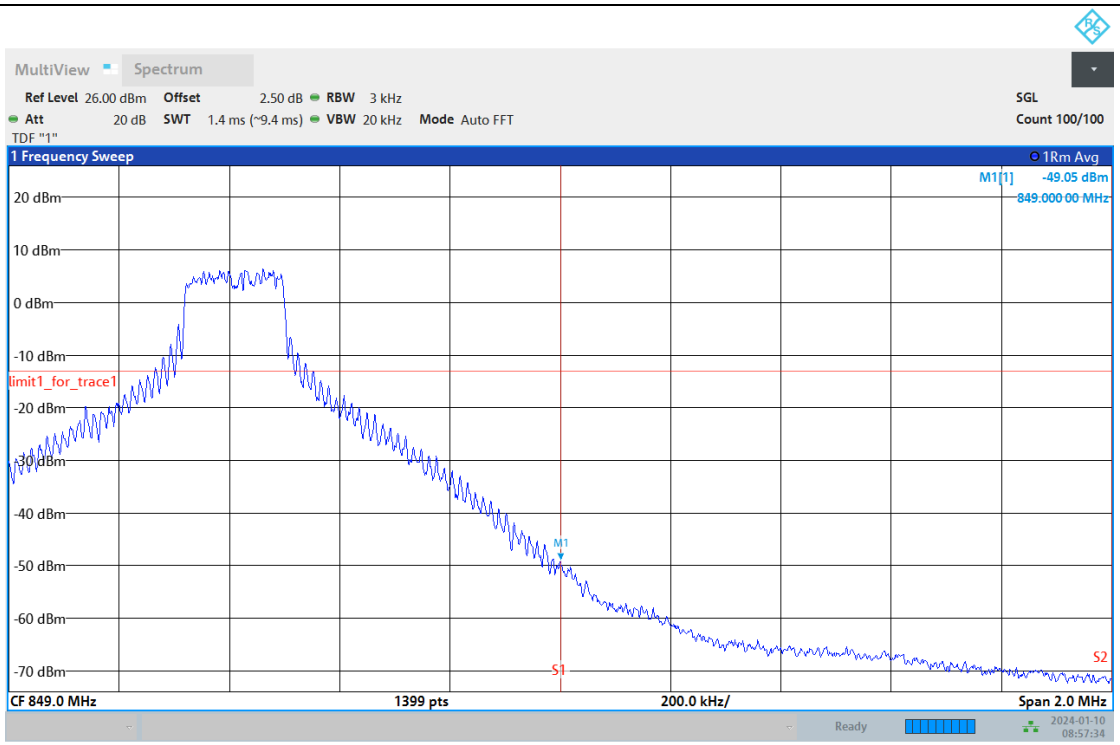

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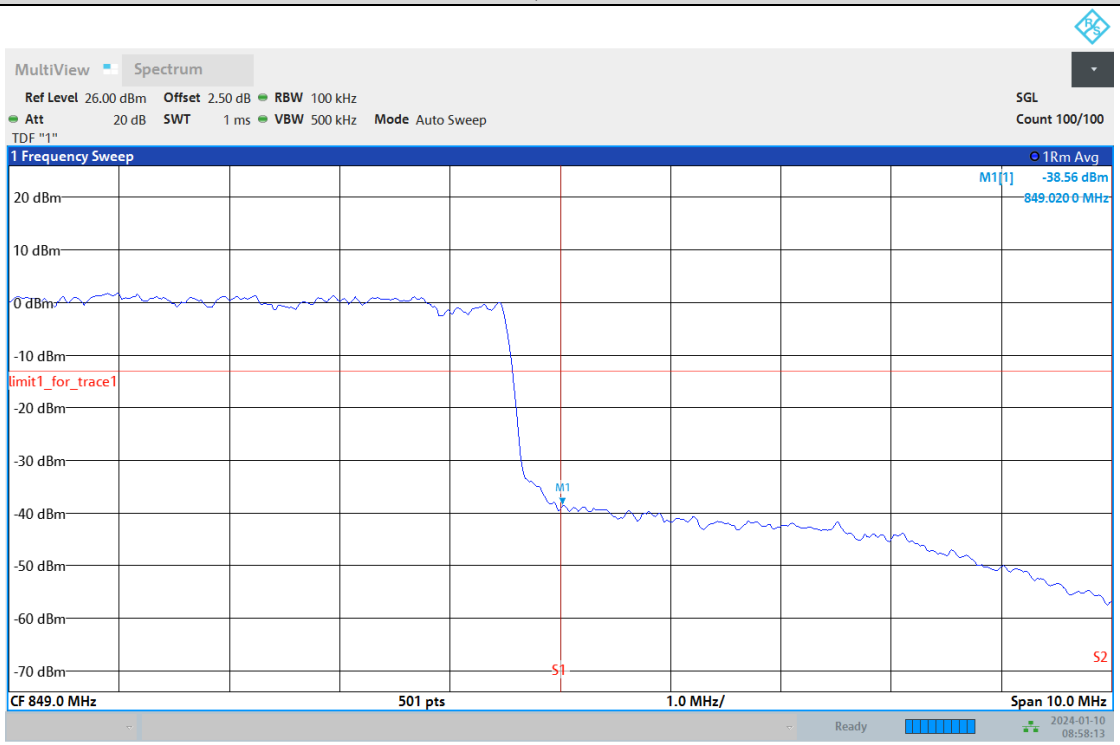
Band5-10MHz-QPSK-20600-50RB#0



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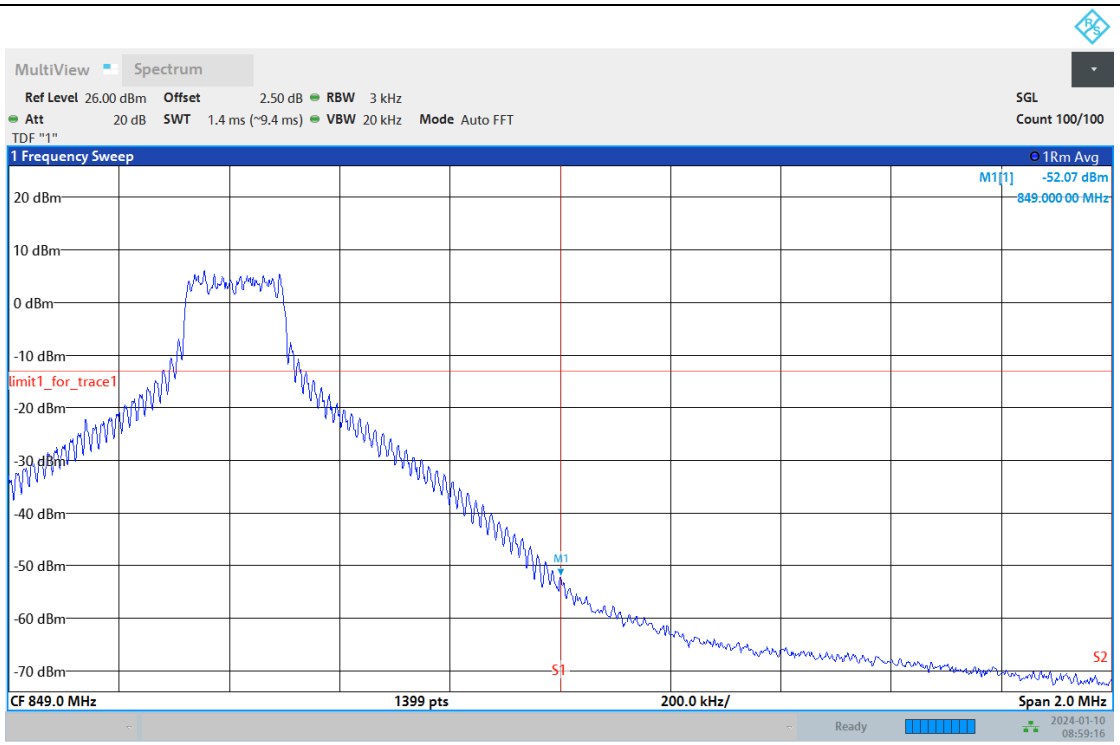
Band5-10MHz-16QAM-20600-1RB#49



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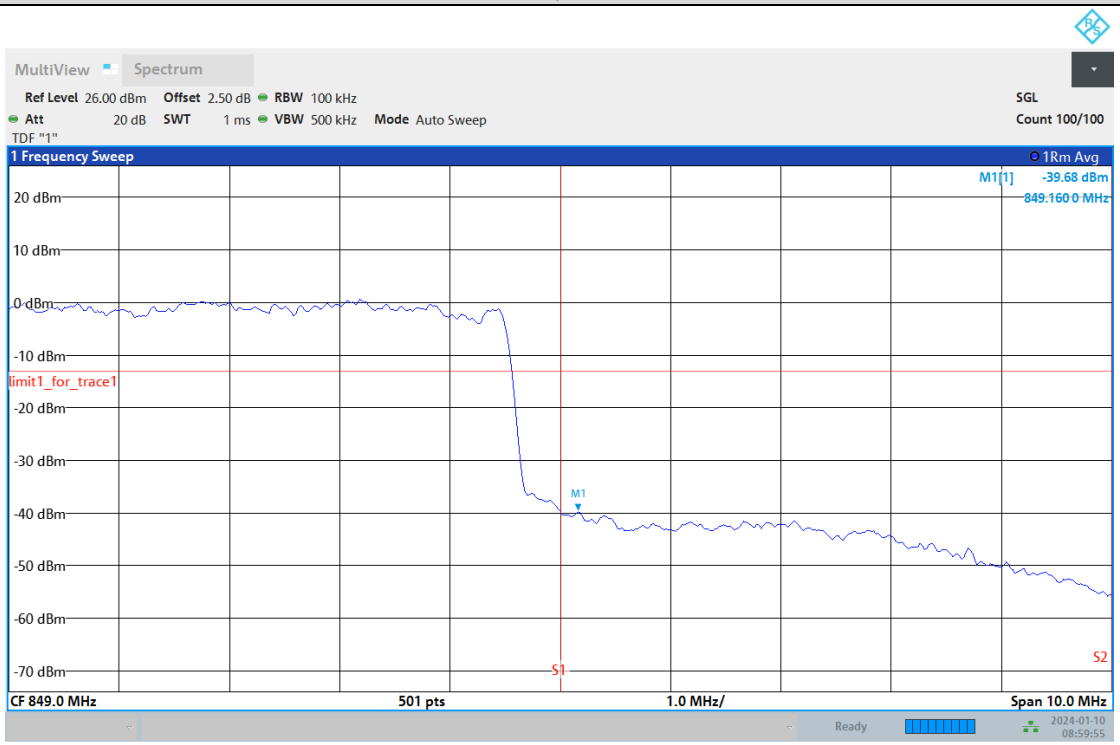
Band5-10MHz-16QAM-20600-50RB#0



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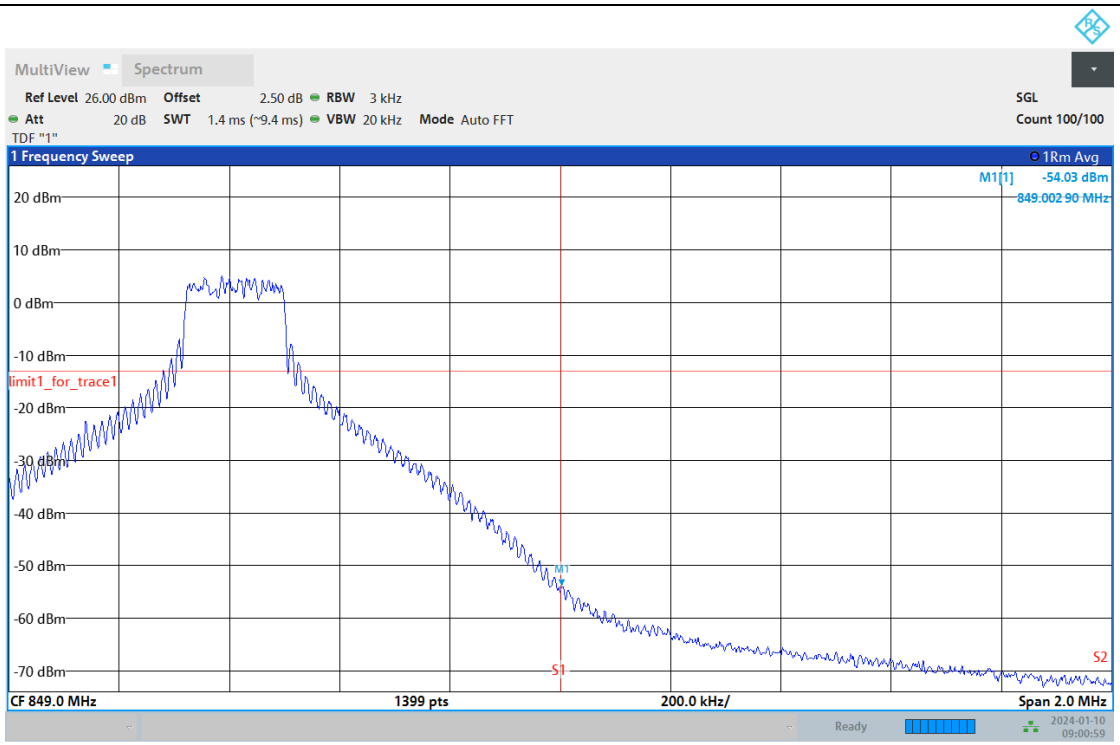
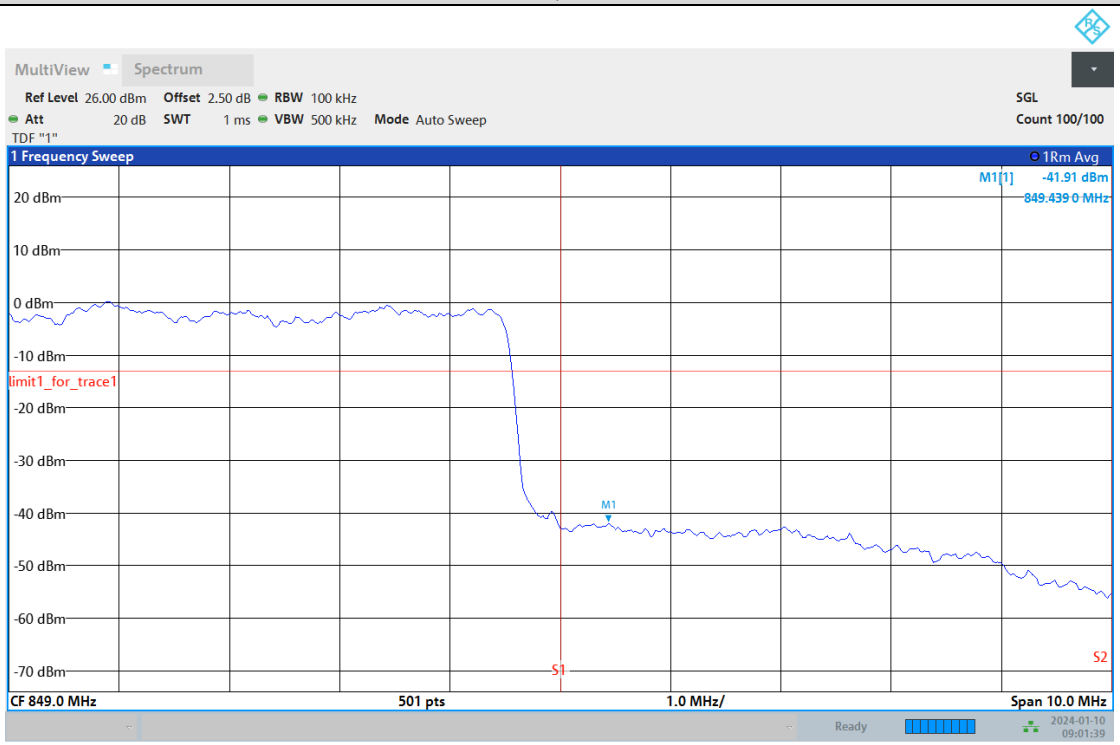
Band5-10MHz-64QAM-20600-1RB#49



09:01:00 AM 01/10/2024

Band5-10MHz-64QAM-20600-50RB#0



09:01:40 AM 01/10/2024

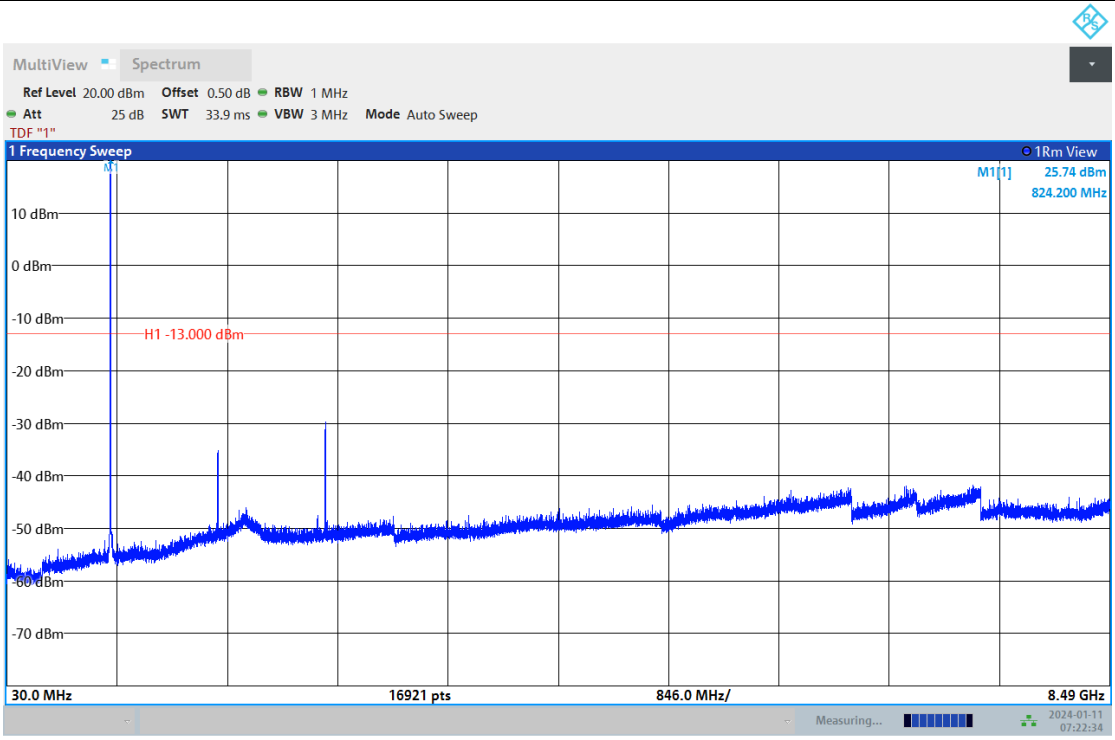
CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	Range:30~8490MHz	-63.57	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range:30~8490MHz	-63.65	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	Range:30~8490MHz	-63.65	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range:30~8490MHz	-63.65	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range:30~8490MHz	-63.65	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	Range:30~8490MHz	-63.65	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range:30~8490MHz	-63.41	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range:30~8490MHz	-63.41	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	Range:30~8490MHz	-63.41	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range:30~8490MHz	-63.24	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range:30~8490MHz	-63.24	PASS
Band5	3MHz	64QAM	20415	1RB#0	Range:30~8490MHz	-63.44	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range:30~8490MHz	-63.44	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range:30~8490MHz	-63.44	PASS
Band5	3MHz	64QAM	20525	1RB#0	Range:30~8490MHz	-63.44	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range:30~8490MHz	-63.44	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range:30~8490MHz	-63.44	PASS
Band5	3MHz	64QAM	20635	1RB#0	Range:30~8490MHz	-63.44	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range:30~8490MHz	-63.60	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range:30~8490MHz	-63.60	PASS
Band5	5MHz	64QAM	20425	1RB#0	Range:30~8490MHz	-63.68	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range:30~8490MHz	-63.68	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range:30~8490MHz	-63.68	PASS
Band5	5MHz	64QAM	20525	1RB#0	Range:30~8490MHz	-63.59	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range:30~8490MHz	-63.40	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range:30~8490MHz	-63.40	PASS
Band5	5MHz	64QAM	20625	1RB#0	Range:30~8490MHz	-63.40	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range:30~8490MHz	-63.35	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range:30~8490MHz	-63.35	PASS
Band5	10MHz	64QAM	20450	1RB#0	Range:30~8490MHz	-63.35	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range:30~8490MHz	-57.21	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range:30~8490MHz	-57.21	PASS
Band5	10MHz	64QAM	20525	1RB#0	Range:30~8490MHz	-63.36	PASS
Band5	10MHz	QPSK	20643	1RB#0	Range:30~8490MHz	-46.81	PASS
Band5	10MHz	16QAM	20643	1RB#0	Range:30~8490MHz	-63.49	PASS
Band5	10MHz	64QAM	20643	1RB#0	Range:30~8490MHz	-62.47	PASS

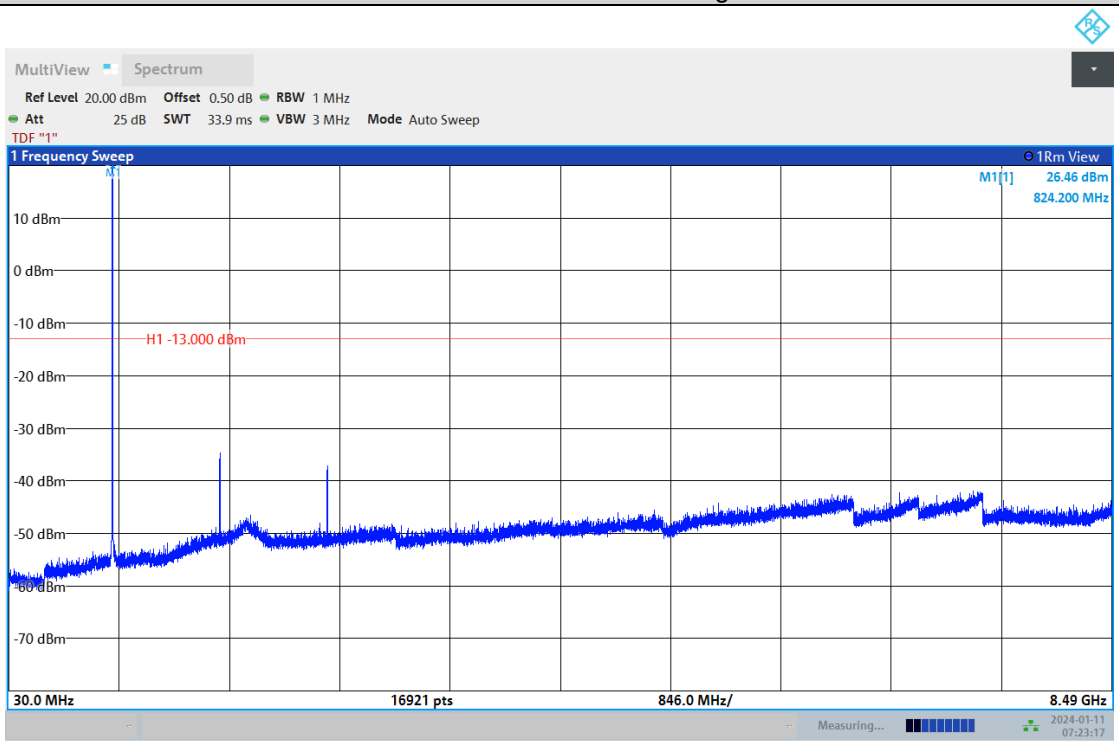
Test Graphs

Band5-1.4MHz-QPSK-20407-1RB#0-Range:30~8490MHz



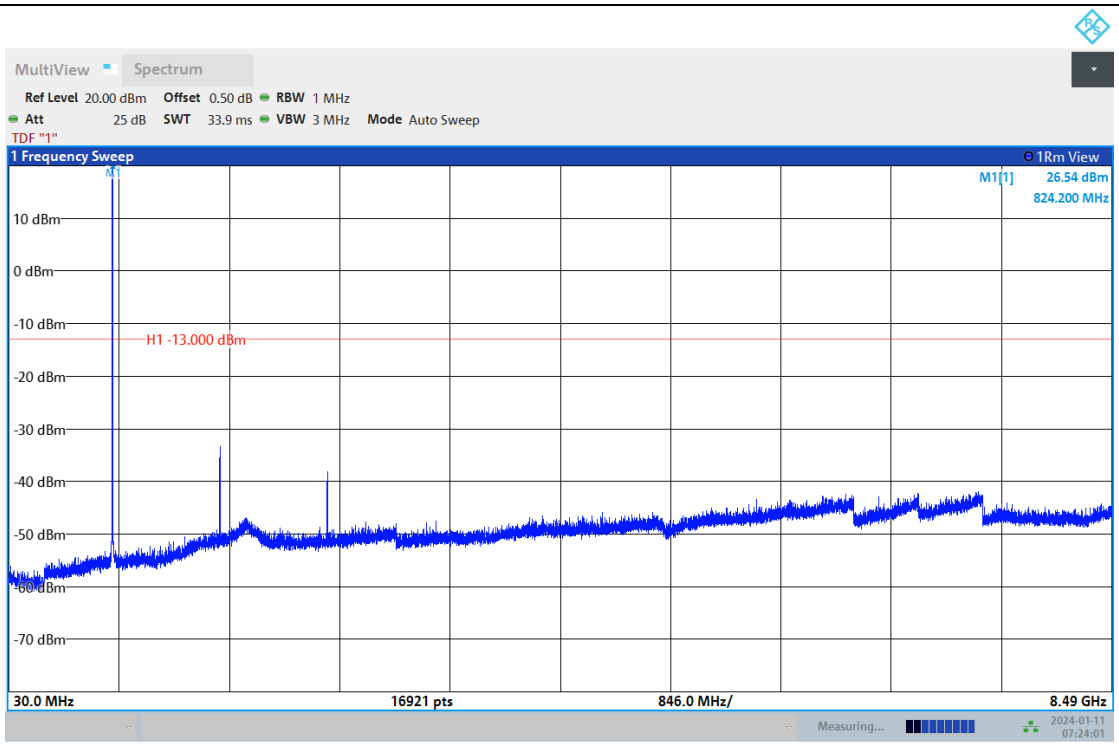
07:22:34 AM 01/11/2024

Band5-1.4MHz-16QAM-20407-1RB#0-Range:30~8490MHz



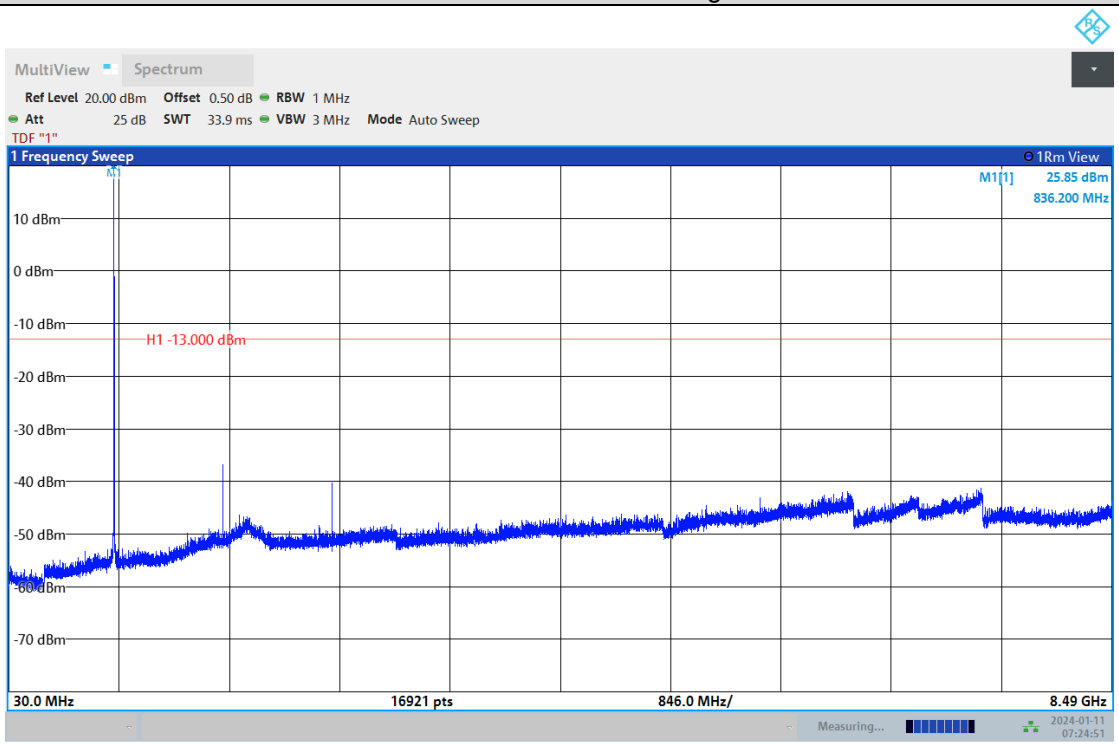
07:23:17 AM 01/11/2024

Band5-1.4MHz-64QAM-20407-1RB#0-Range:30~8490MHz



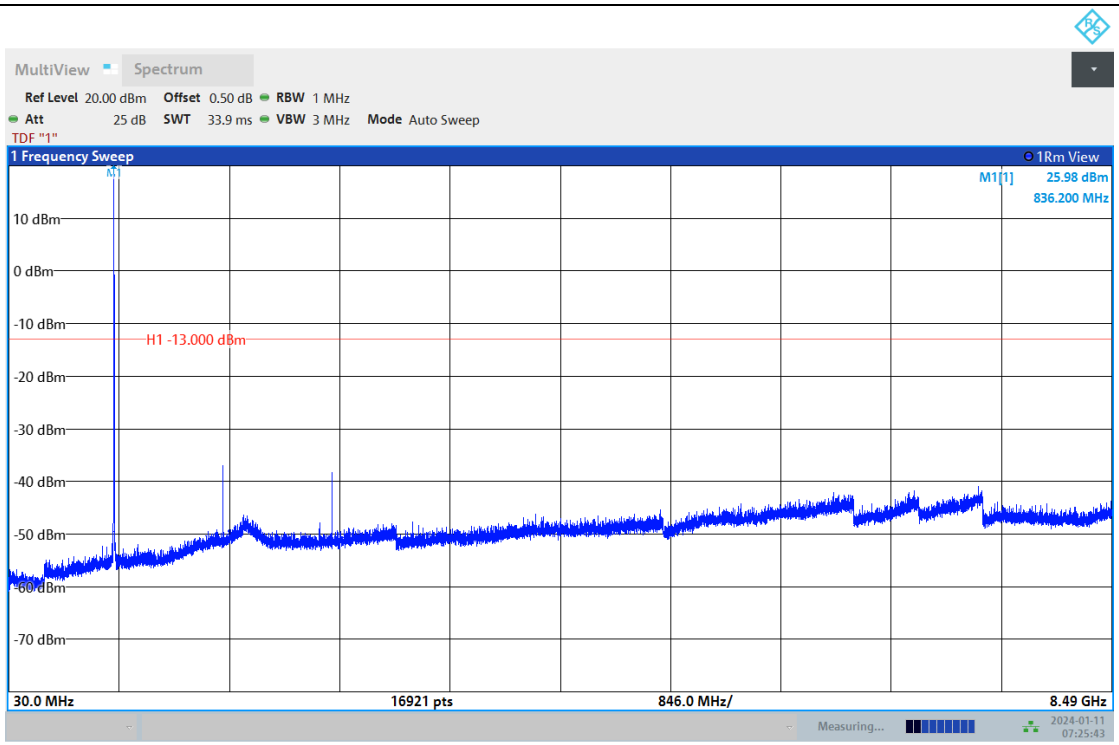
07:24:02 AM 01/11/2024

Band5-1.4MHz-QPSK-20525-1RB#0-Range:30~8490MHz



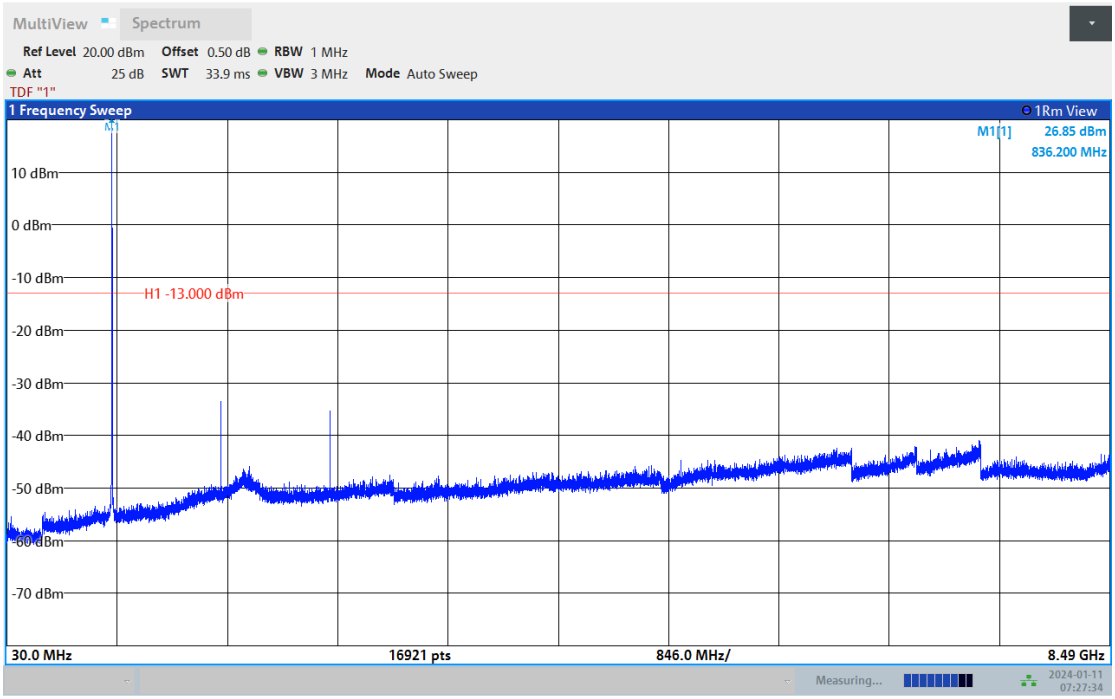
07:24:51 AM 01/11/2024

Band5-1.4MHz-16QAM-20525-1RB#0-Range:30~8490MHz



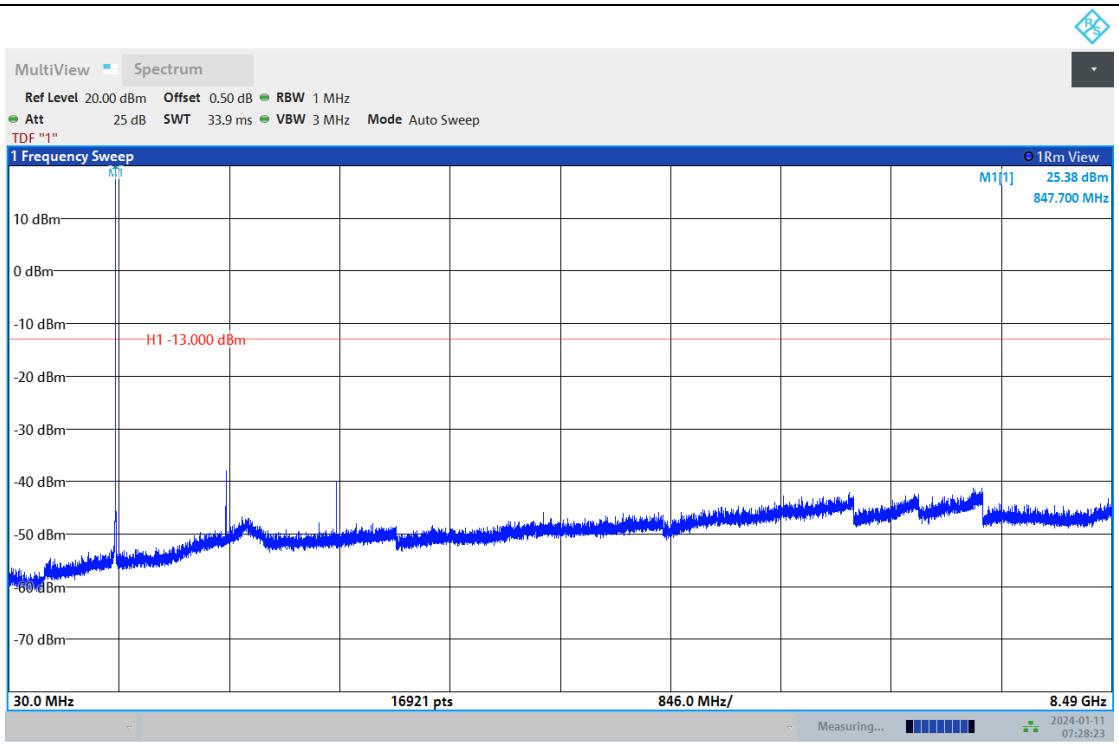
07:25:44 AM 01/11/2024

Band5-1.4MHz-64QAM-20525-1RB#0-Range:30~8490MHz



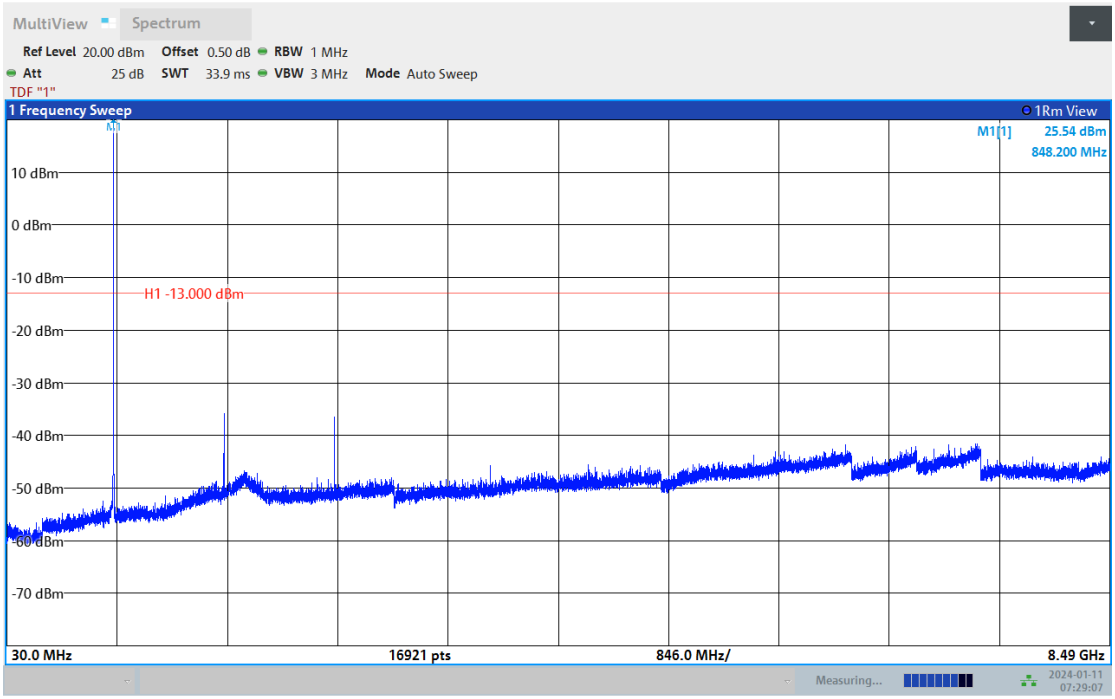
07:27:35 AM 01/11/2024

Band5-1.4MHz-QPSK-20643-1RB#0-Range:30~8490MHz



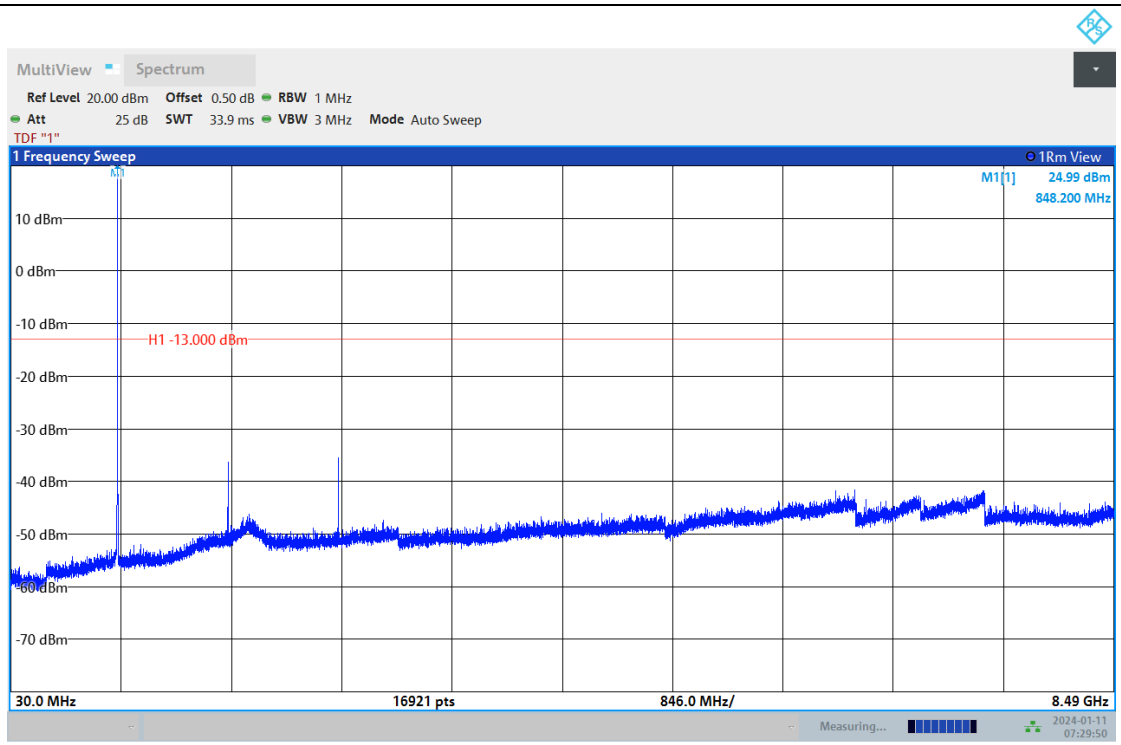
07:28:23 AM 01/11/2024

Band5-1.4MHz-16QAM-20643-1RB#0-Range:30~8490MHz



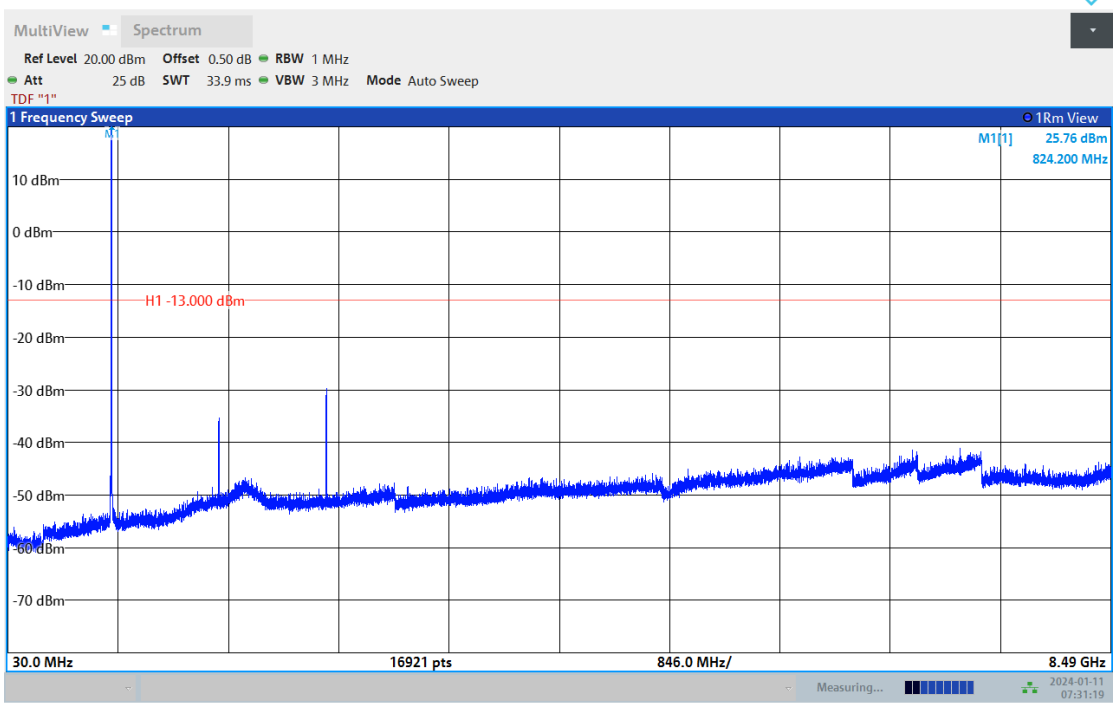
07:29:07 AM 01/11/2024

Band5-1.4MHz-64QAM-20643-1RB#0-Range:30~8490MHz



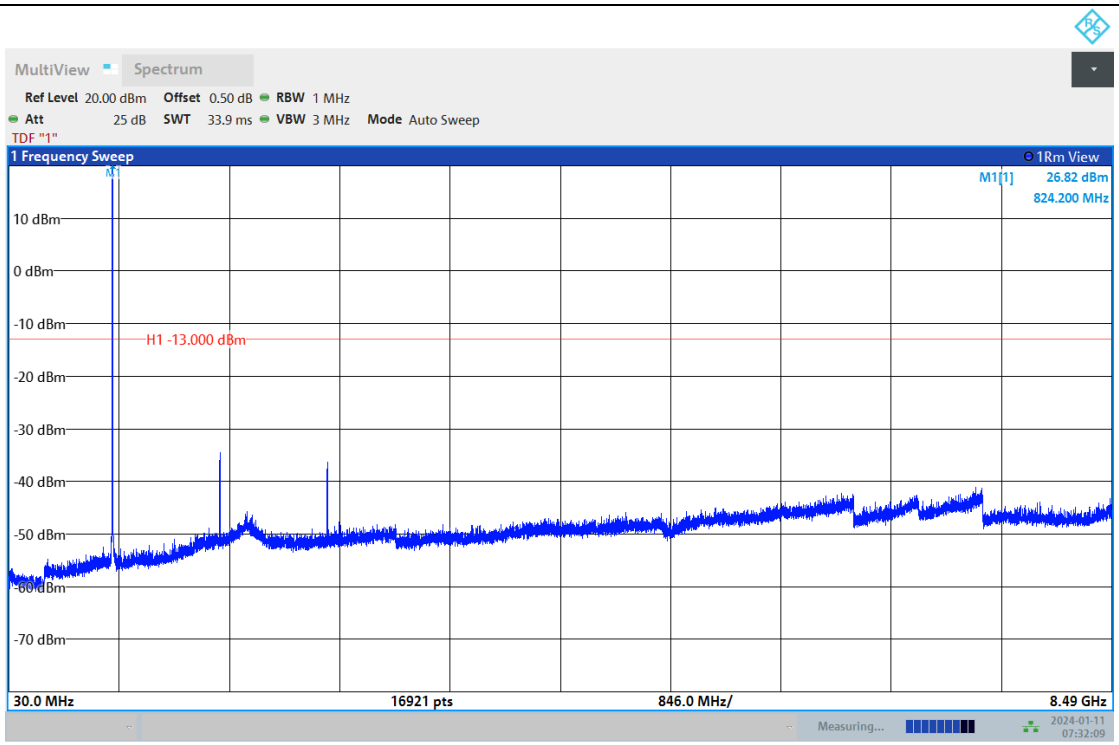
07:29:51 AM 01/11/2024

Band5-3MHz-QPSK-20415-1RB#0-Range:30~8490MHz



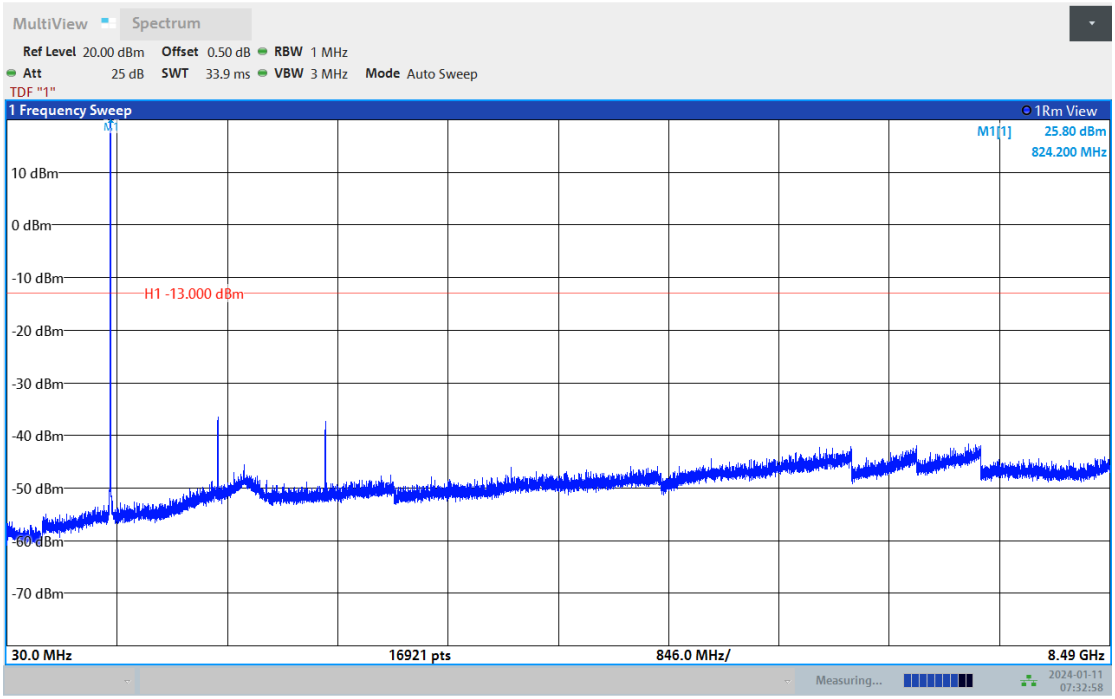
07:31:20 AM 01/11/2024

Band5-3MHz-16QAM-20415-1RB#0-Range:30~8490MHz



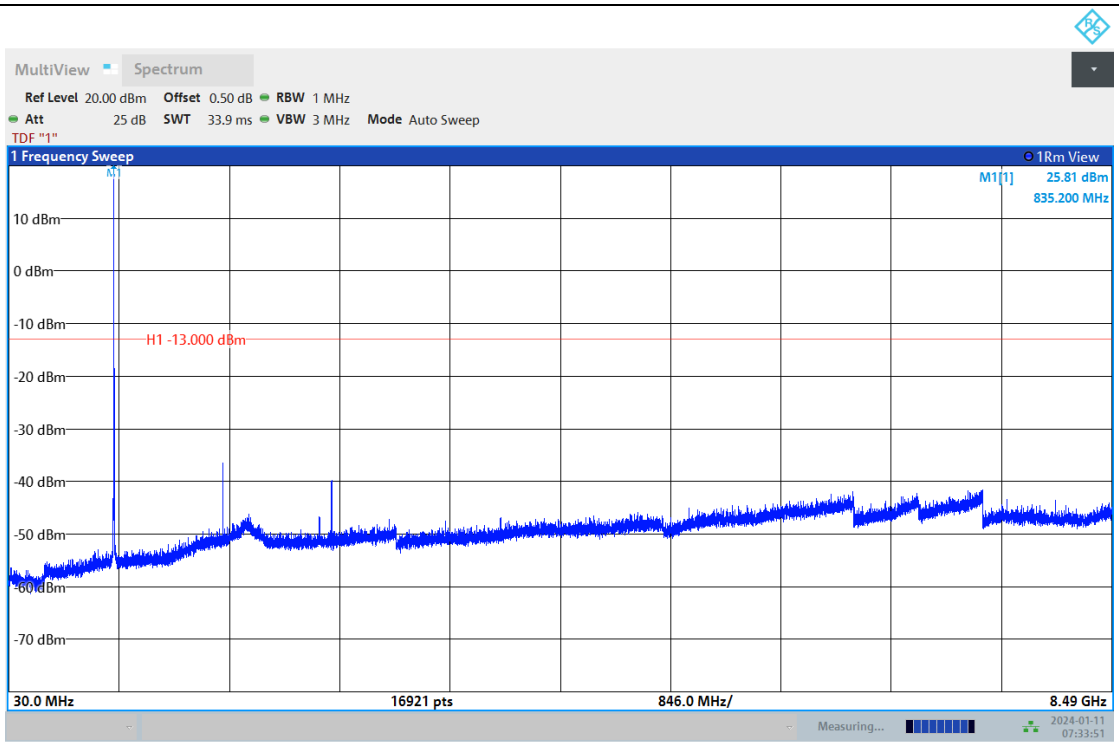
07:32:10 AM 01/11/2024

Band5-3MHz-64QAM-20415-1RB#0-Range:30~8490MHz



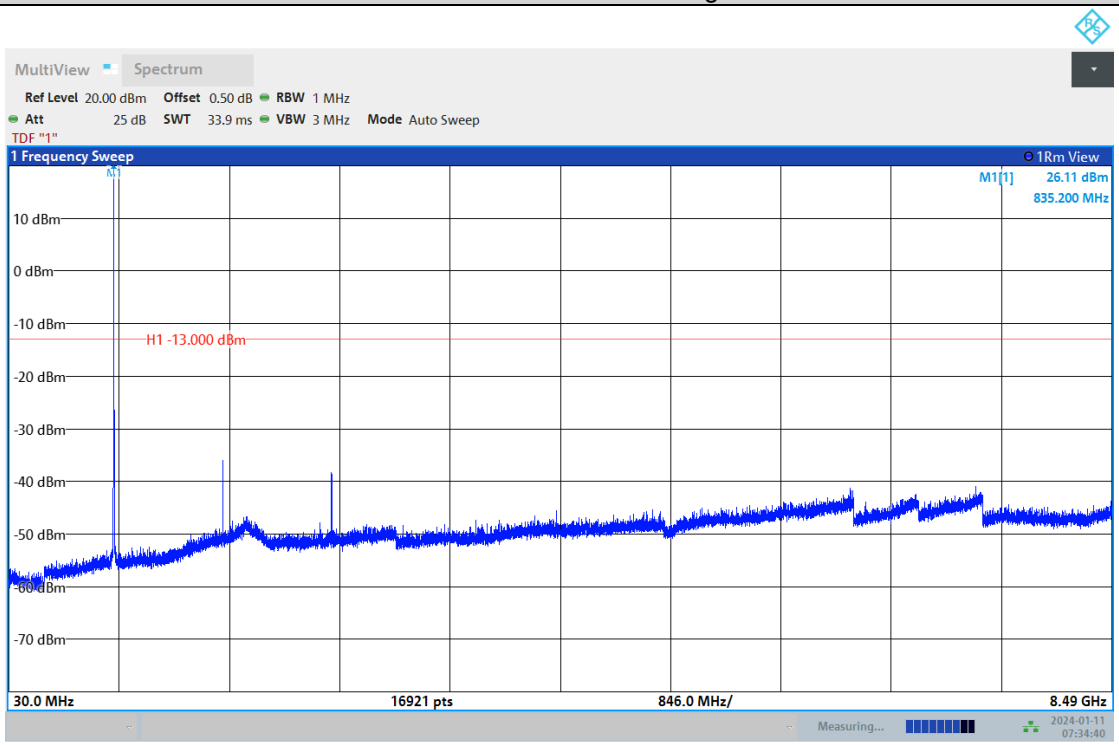
07:32:59 AM 01/11/2024

Band5-3MHz-QPSK-20525-1RB#0-Range:30~8490MHz



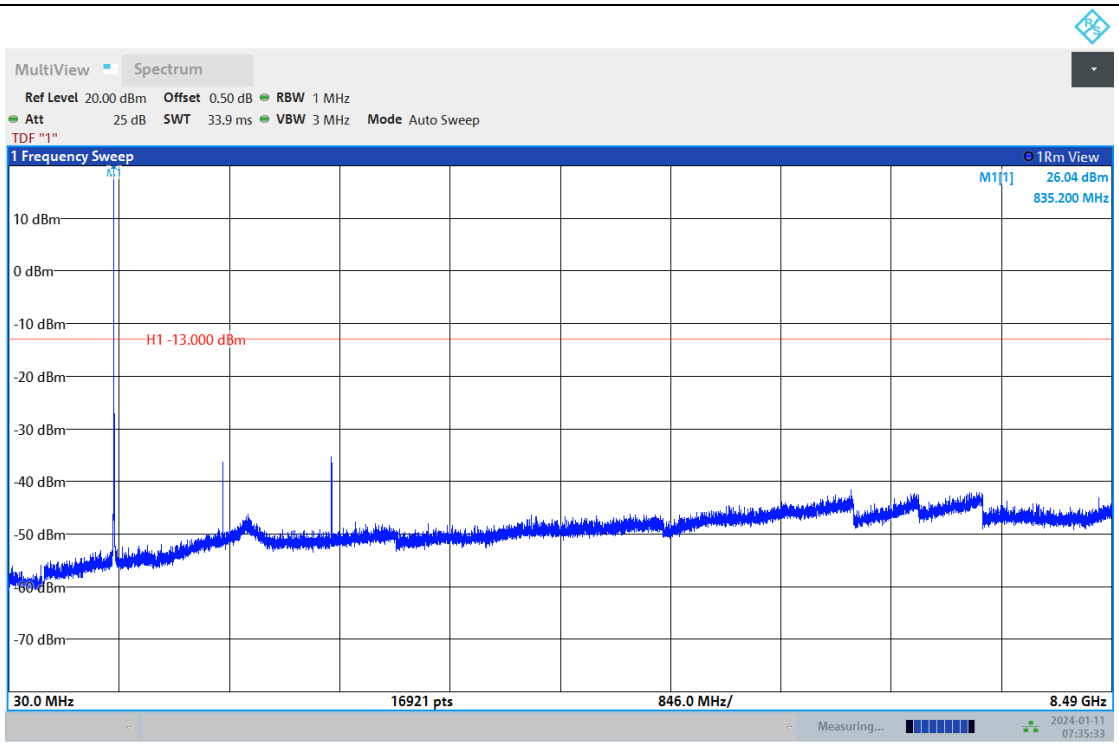
07:33:52 AM 01/11/2024

Band5-3MHz-16QAM-20525-1RB#0-Range:30~8490MHz



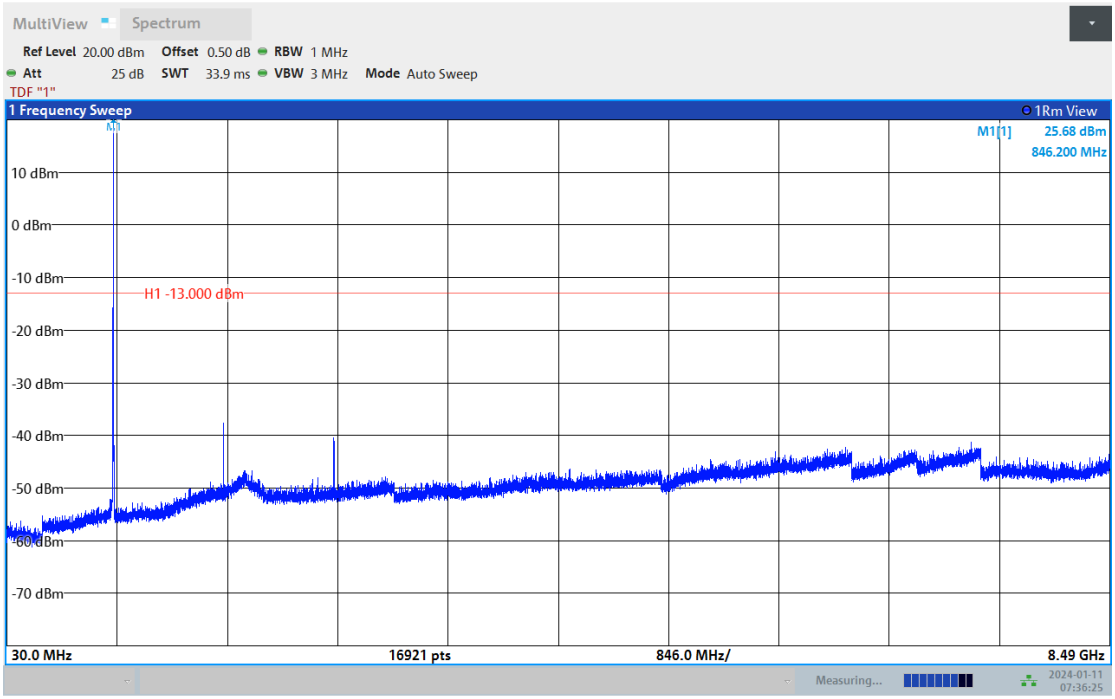
07:34:40 AM 01/11/2024

Band5-3MHz-64QAM-20525-1RB#0-Range:30~8490MHz



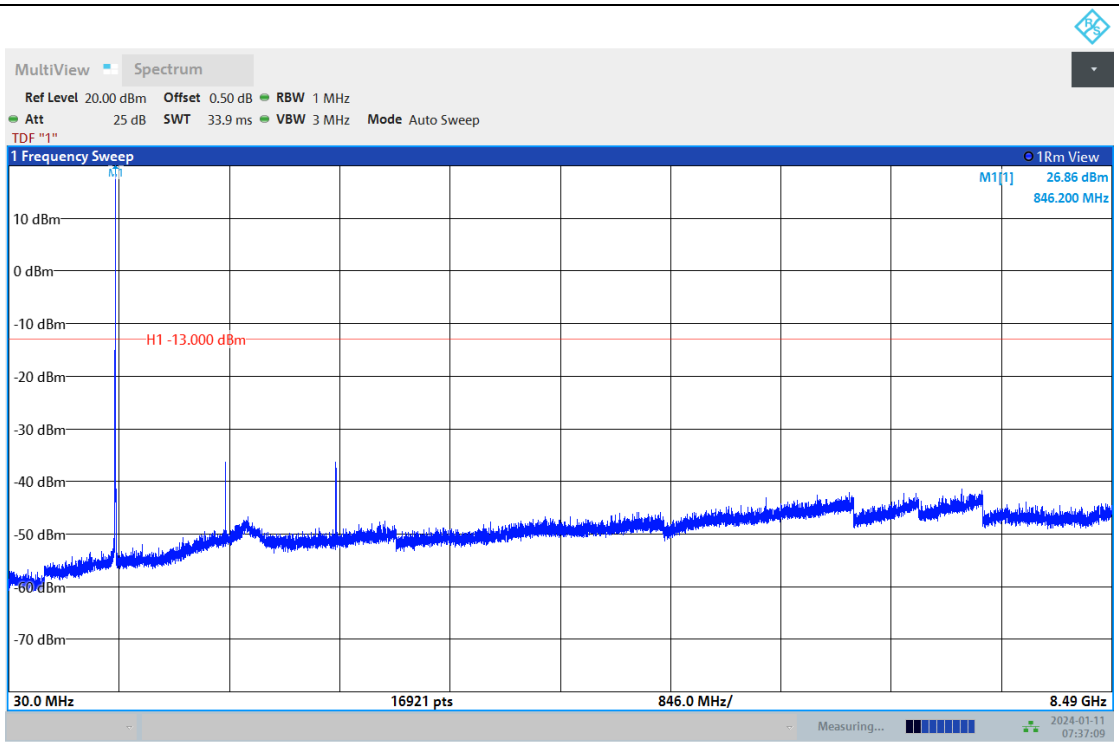
07:35:34 AM 01/11/2024

Band5-3MHz-QPSK-20635-1RB#0-Range:30~8490MHz



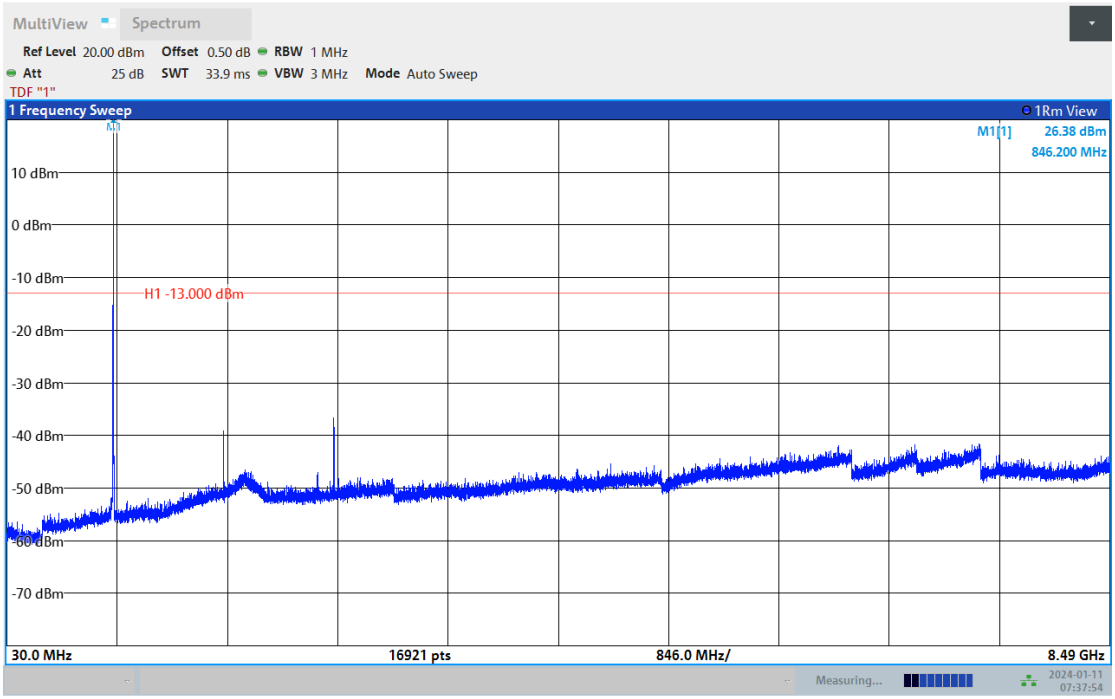
07:36:26 AM 01/11/2024

Band5-3MHz-16QAM-20635-1RB#0-Range:30~8490MHz



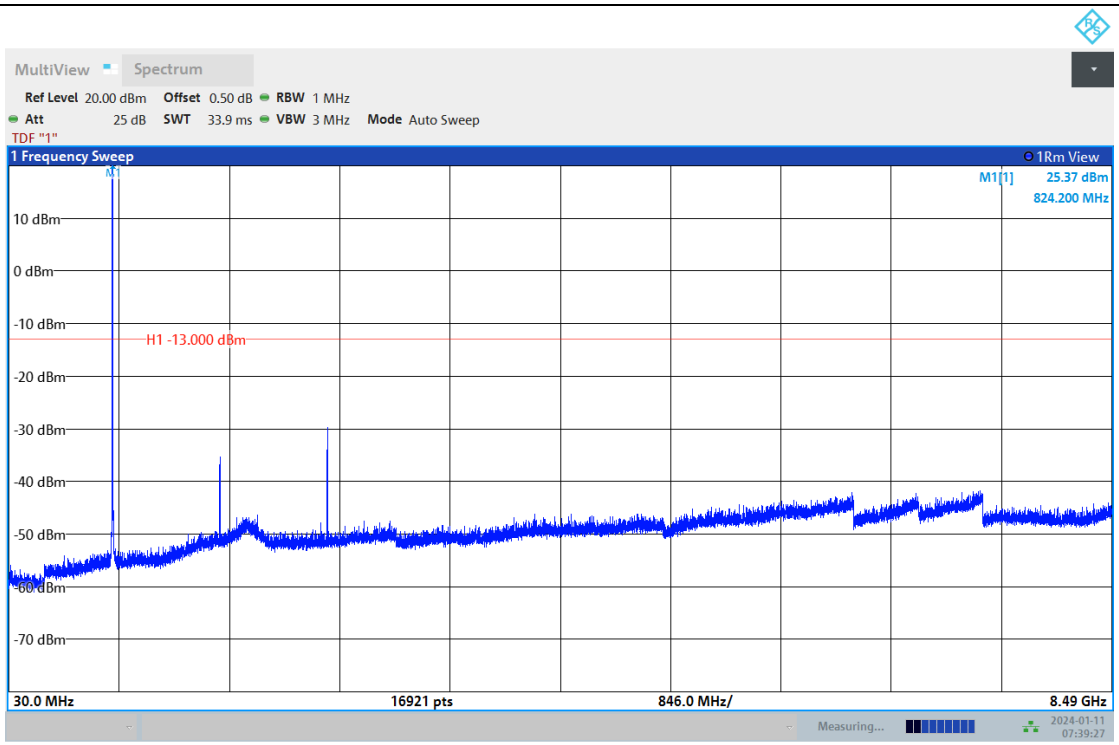
07:37:10 AM 01/11/2024

Band5-3MHz-64QAM-20635-1RB#0-Range:30~8490MHz



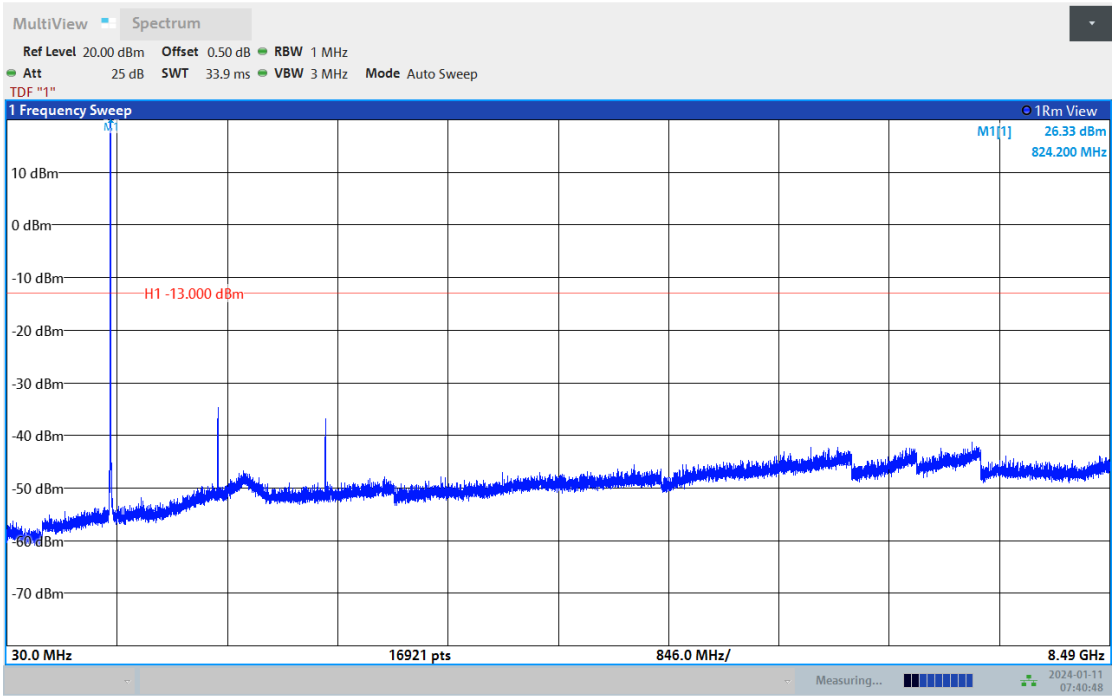
07:37:54 AM 01/11/2024

Band5-5MHz-QPSK-20425-1RB#0-Range:30~8490MHz



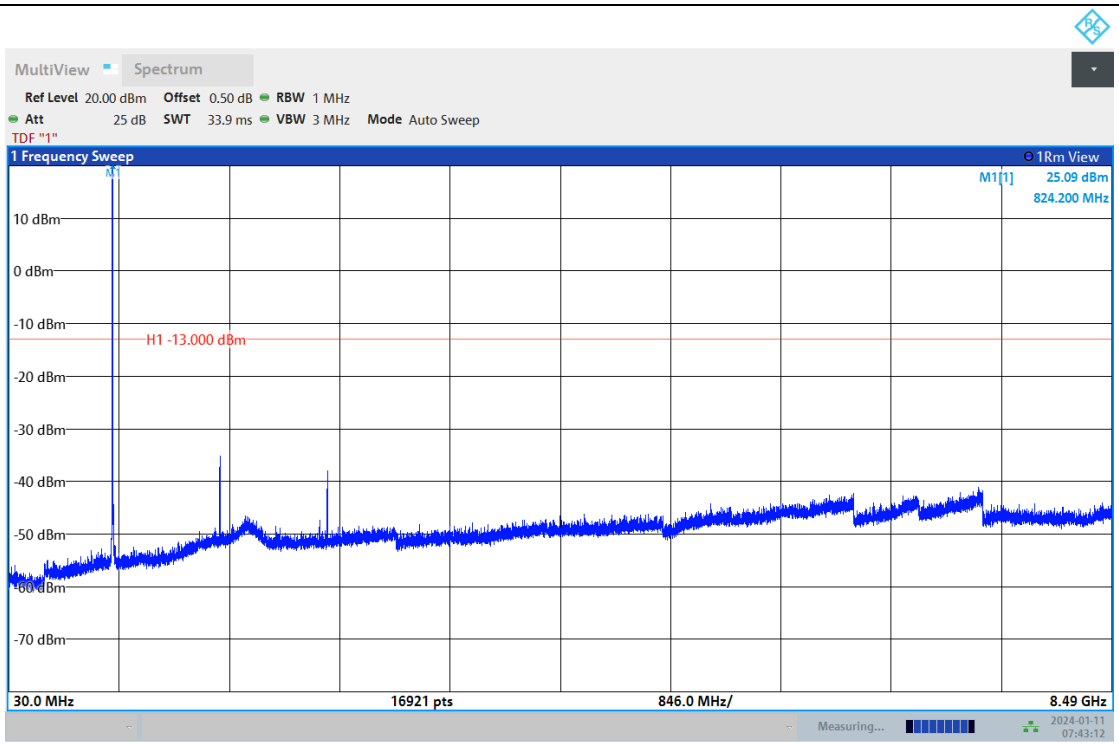
07:39:28 AM 01/11/2024

Band5-5MHz-16QAM-20425-1RB#0-Range:30~8490MHz



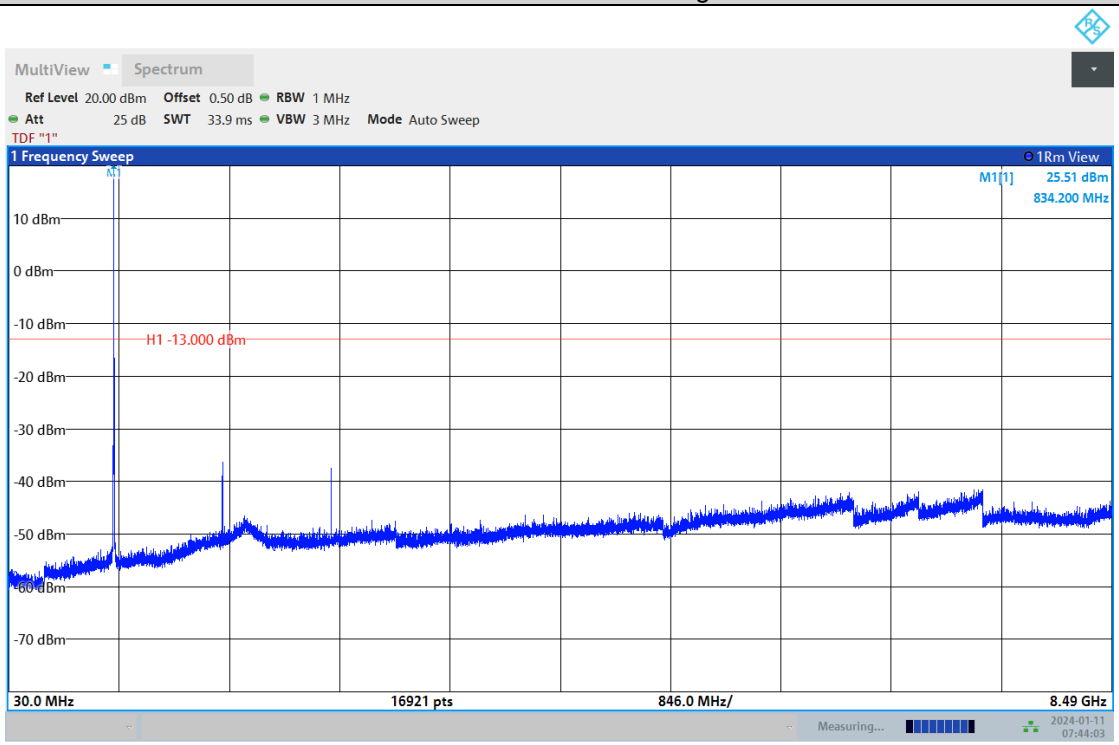
07:40:49 AM 01/11/2024

Band5-5MHz-64QAM-20425-1RB#0-Range:30~8490MHz



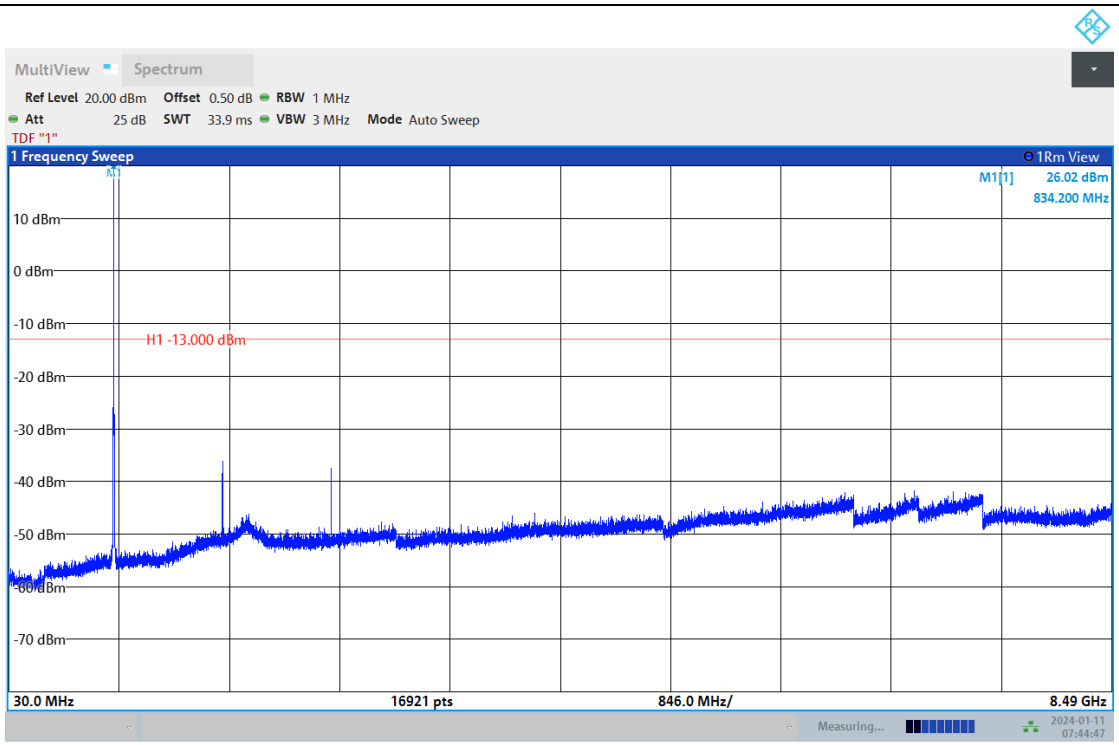
07:43:13 AM 01/11/2024

Band5-5MHz-QPSK-20525-1RB#0-Range:30~8490MHz



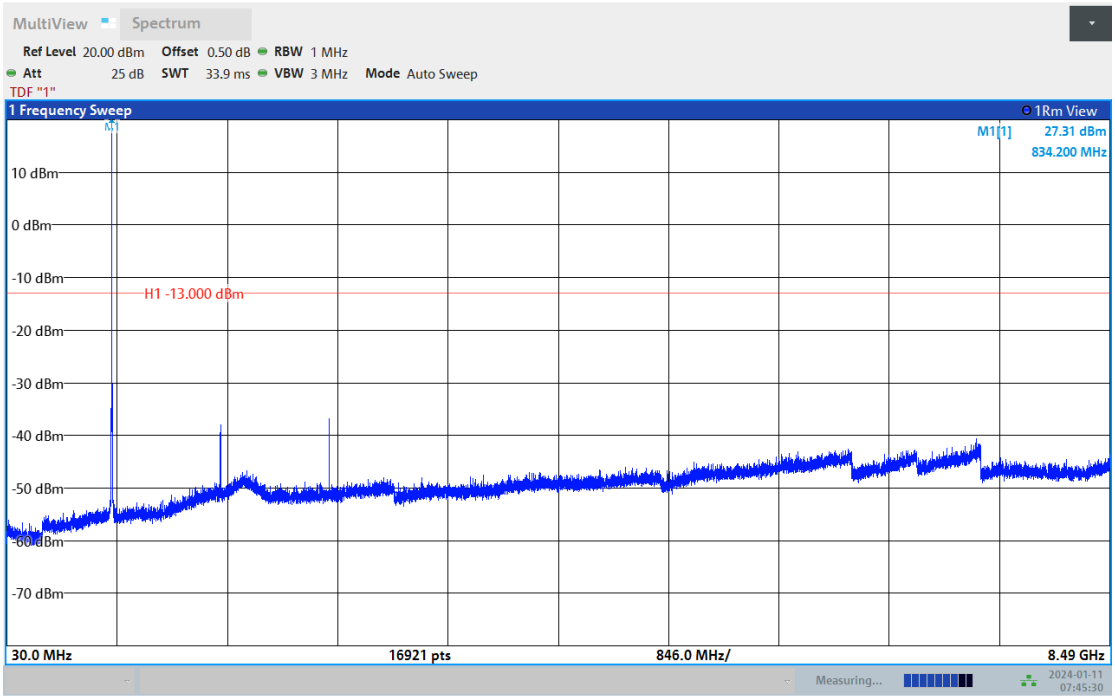
07:44:04 AM 01/11/2024

Band5-5MHz-16QAM-20525-1RB#0-Range:30~8490MHz



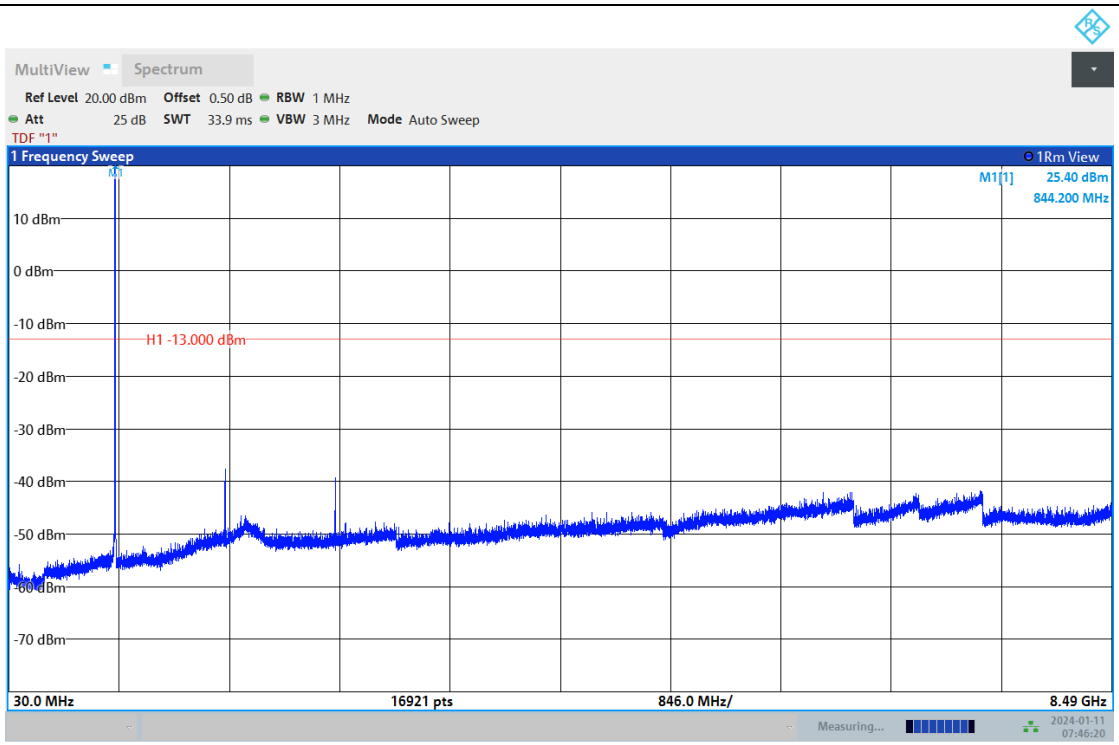
07:44:47 AM 01/11/2024

Band5-5MHz-64QAM-20525-1RB#0-Range:30~8490MHz



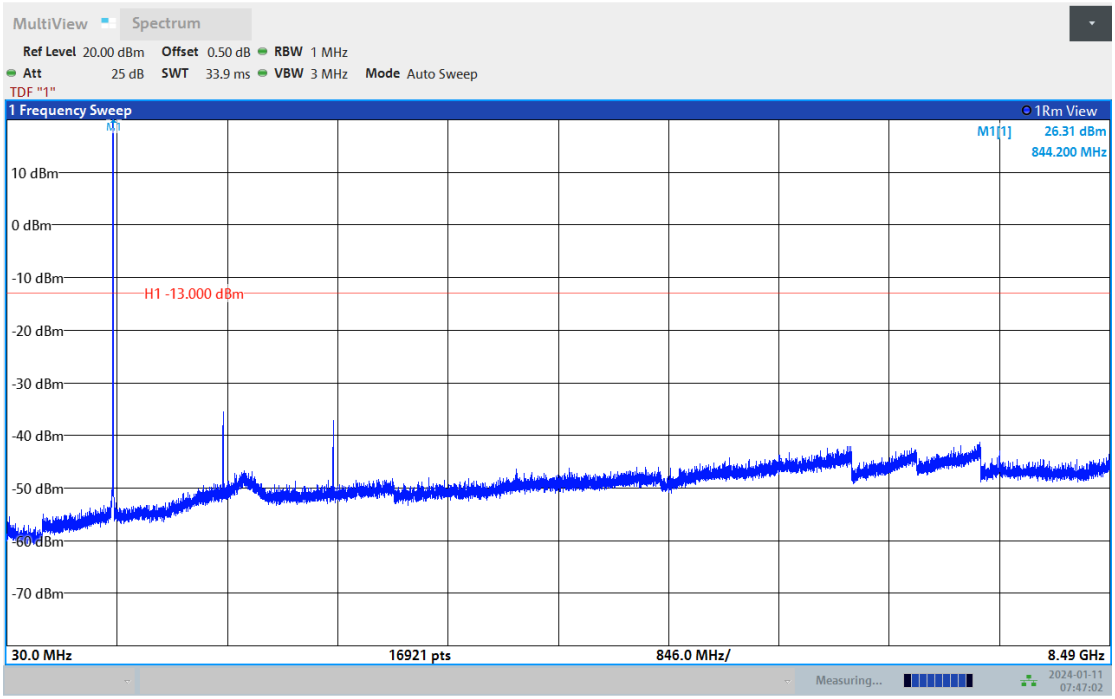
07:45:31 AM 01/11/2024

Band5-5MHz-QPSK-20625-1RB#0-Range:30~8490MHz



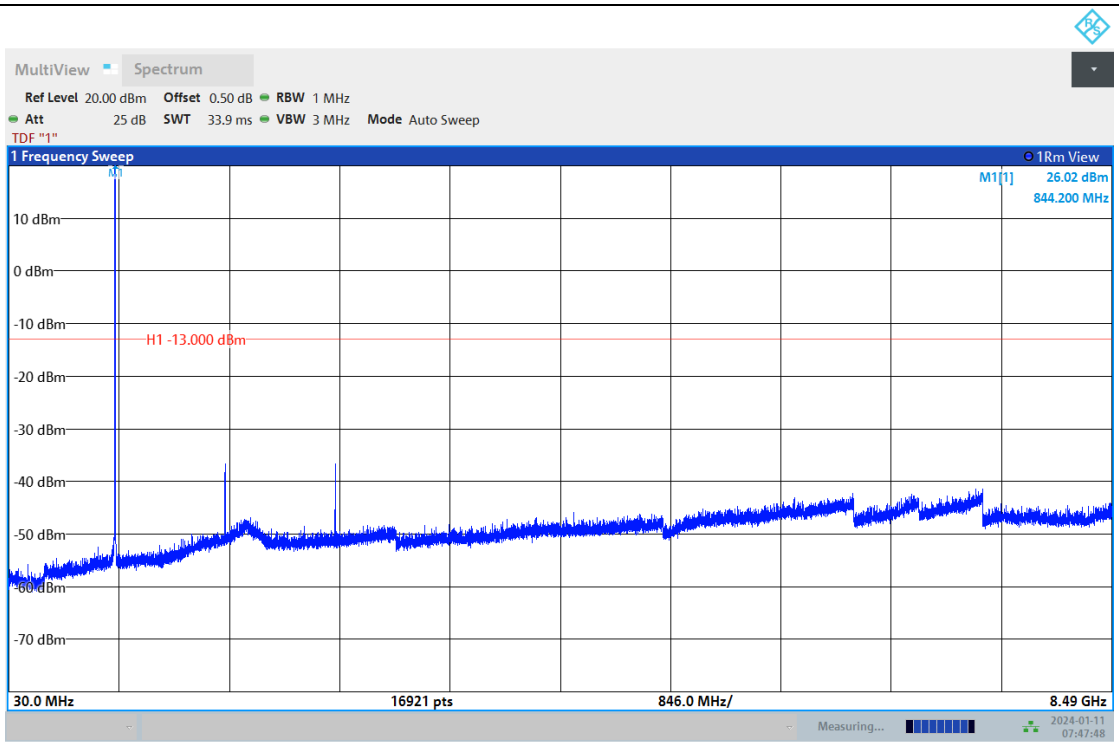
07:46:20 AM 01/11/2024

Band5-5MHz-16QAM-20625-1RB#0-Range:30~8490MHz



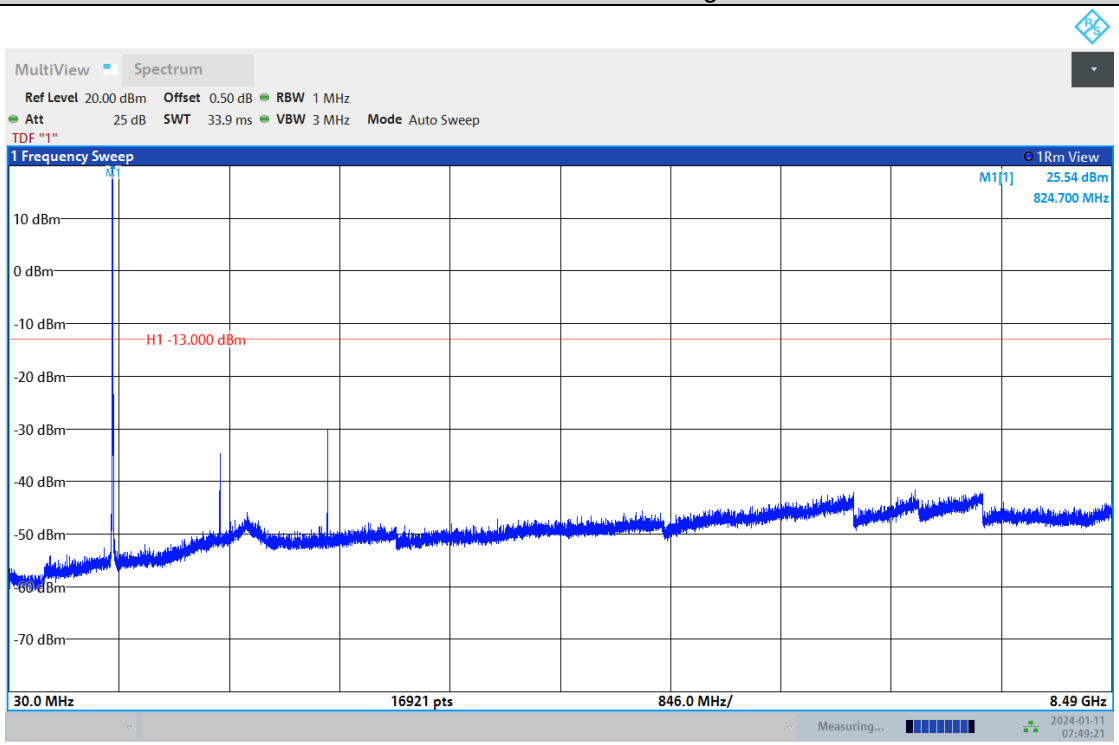
07:47:03 AM 01/11/2024

Band5-5MHz-64QAM-20625-1RB#0-Range:30~8490MHz



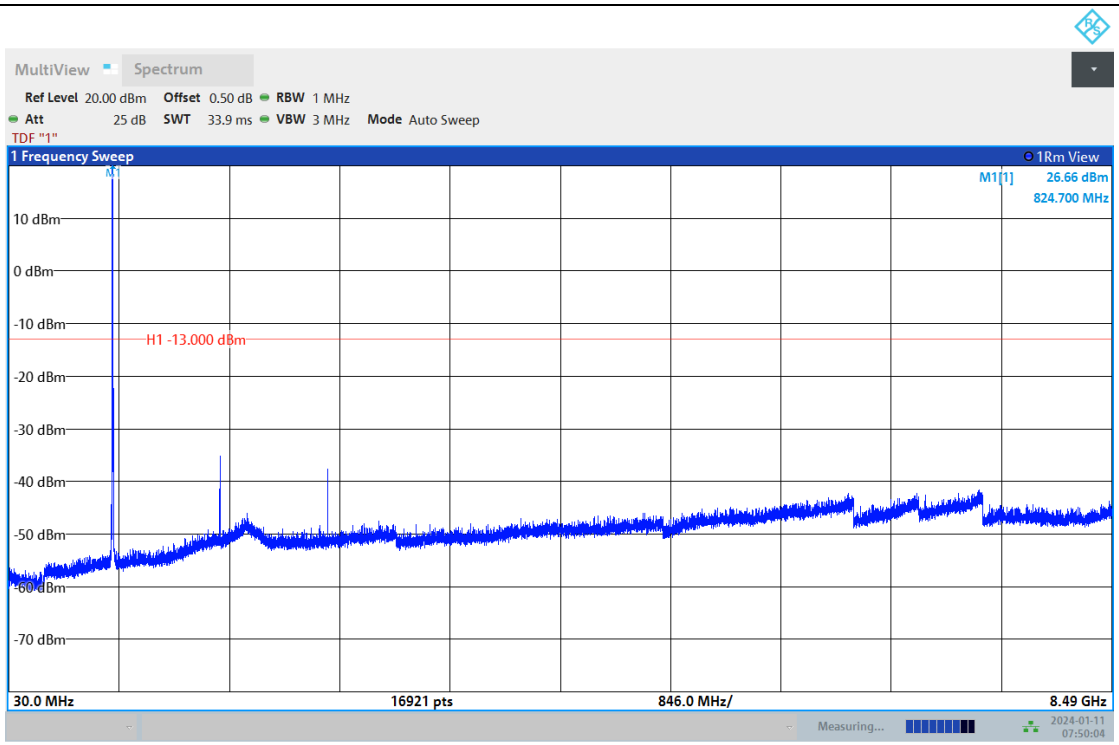
07:47:48 AM 01/11/2024

Band5-10MHz-QPSK-20450-1RB#0-Range:30~8490MHz



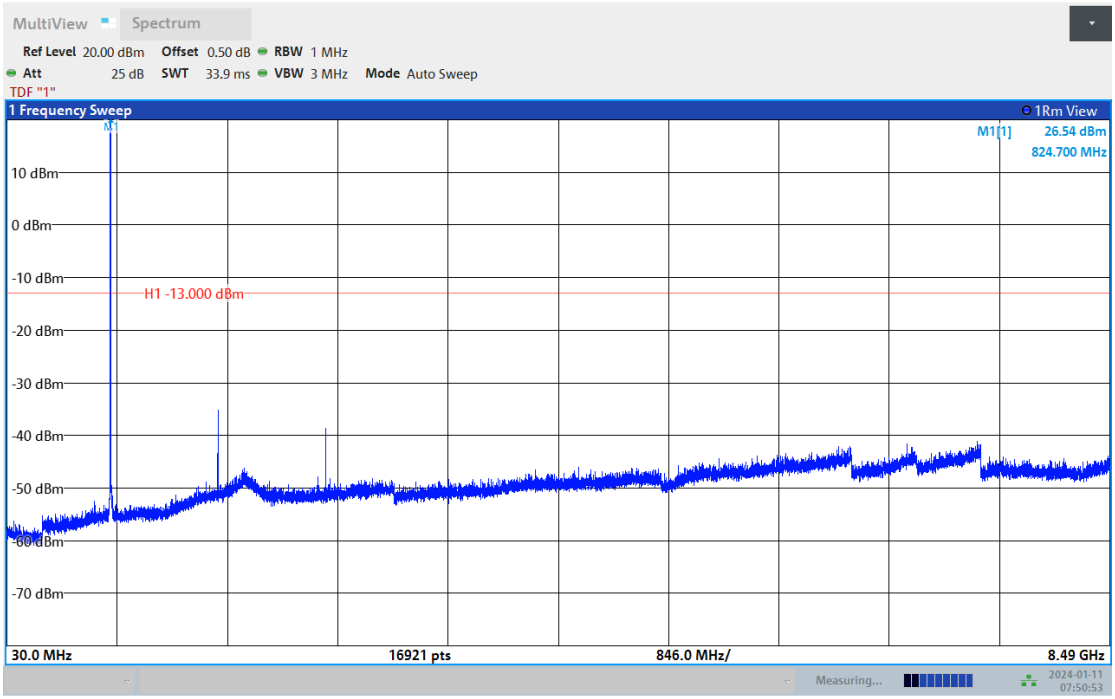
07:49:21 AM 01/11/2024

Band5-10MHz-16QAM-20450-1RB#0-Range:30~8490MHz



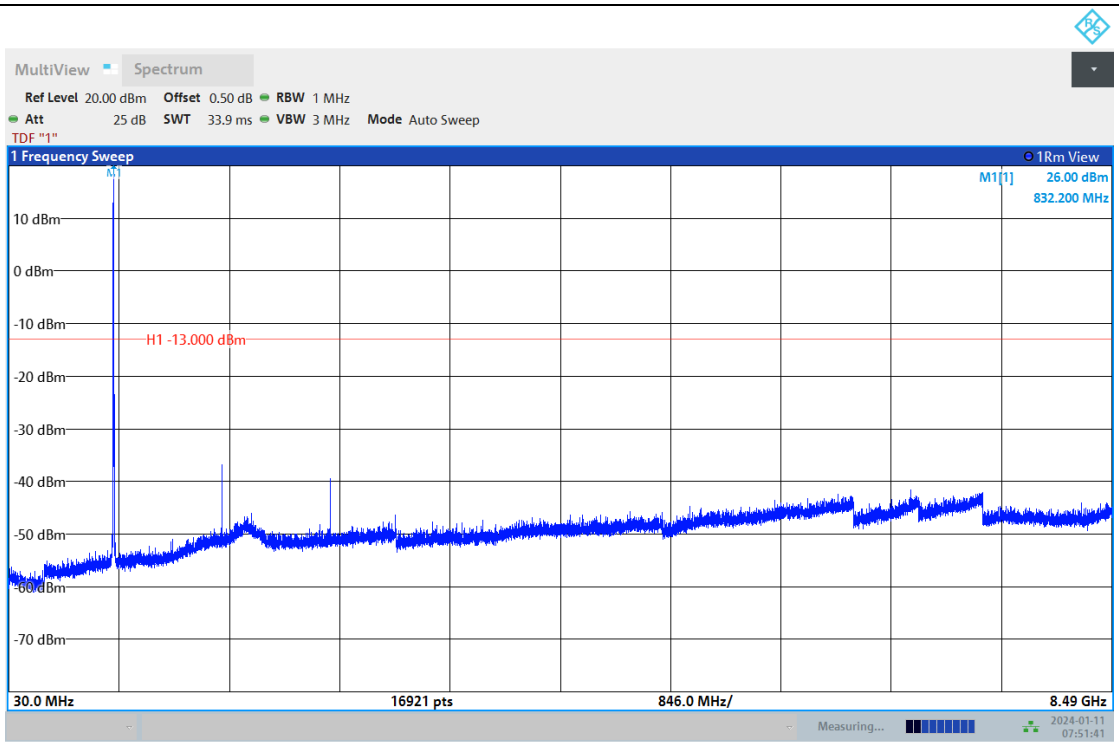
07:50:05 AM 01/11/2024

Band5-10MHz-64QAM-20450-1RB#0-Range:30~8490MHz



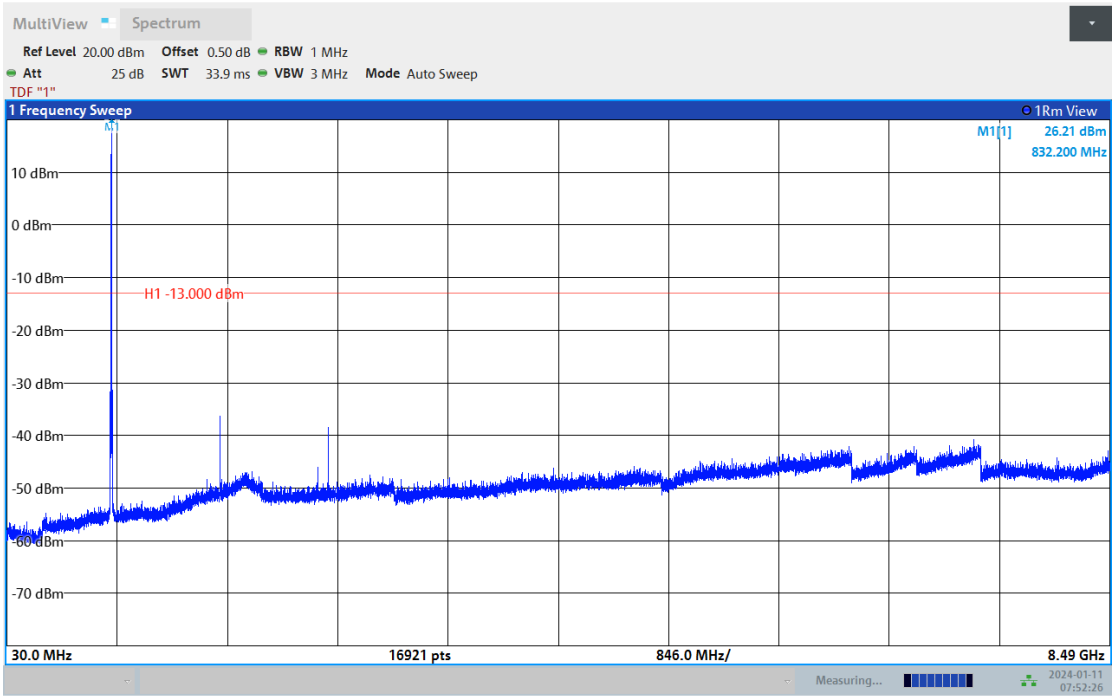
07:50:54 AM 01/11/2024

Band5-10MHz-QPSK-20525-1RB#0-Range:30~8490MHz



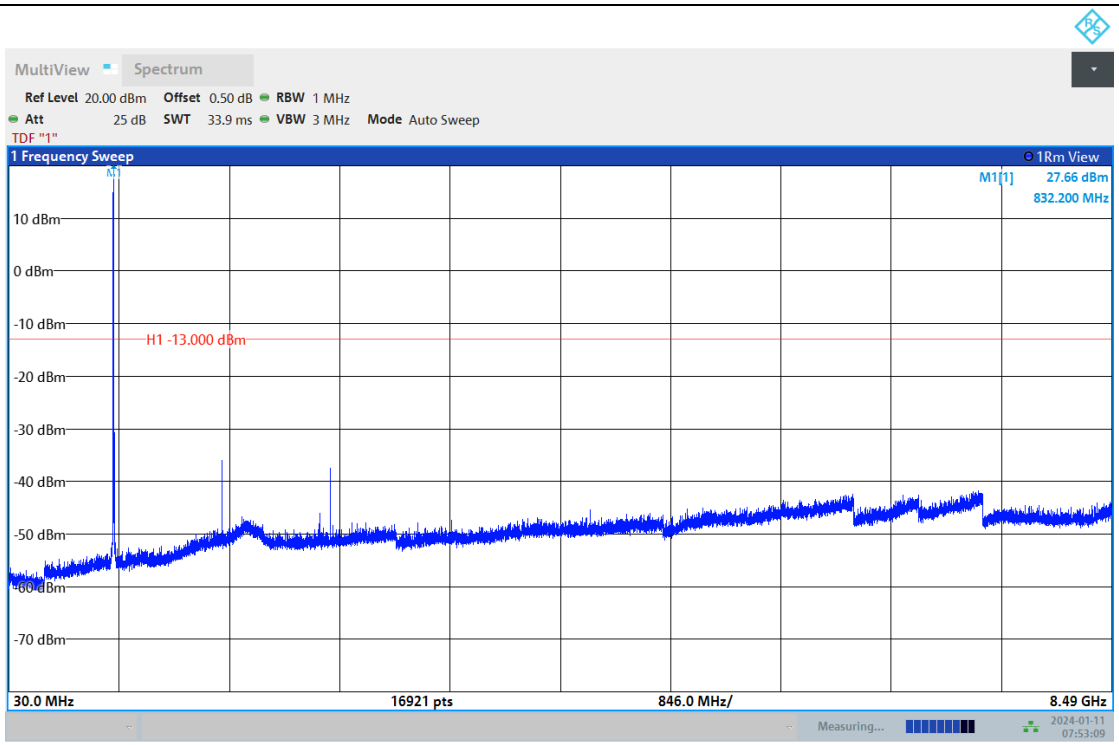
07:51:41 AM 01/11/2024

Band5-10MHz-16QAM-20525-1RB#0-Range:30~8490MHz



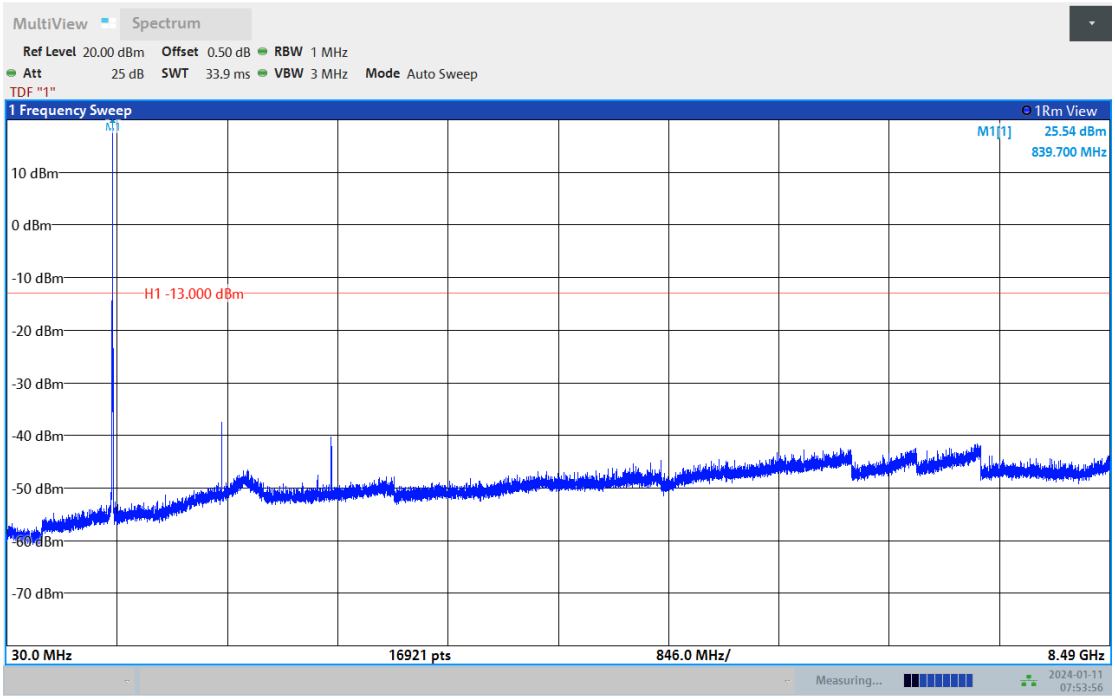
07:52:26 AM 01/11/2024

Band5-10MHz-64QAM-20525-1RB#0-Range:30~8490MHz



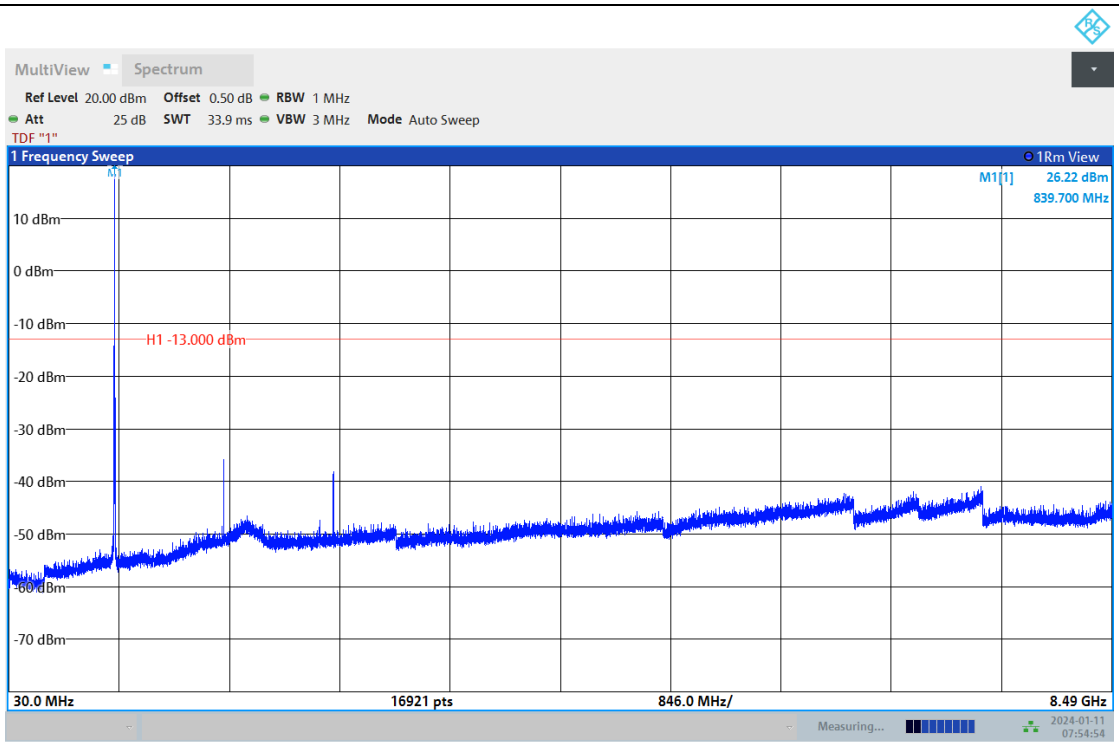
07:53:09 AM 01/11/2024

Band5-10MHz-QPSK-20600-1RB#0-Range:30~8490MHz



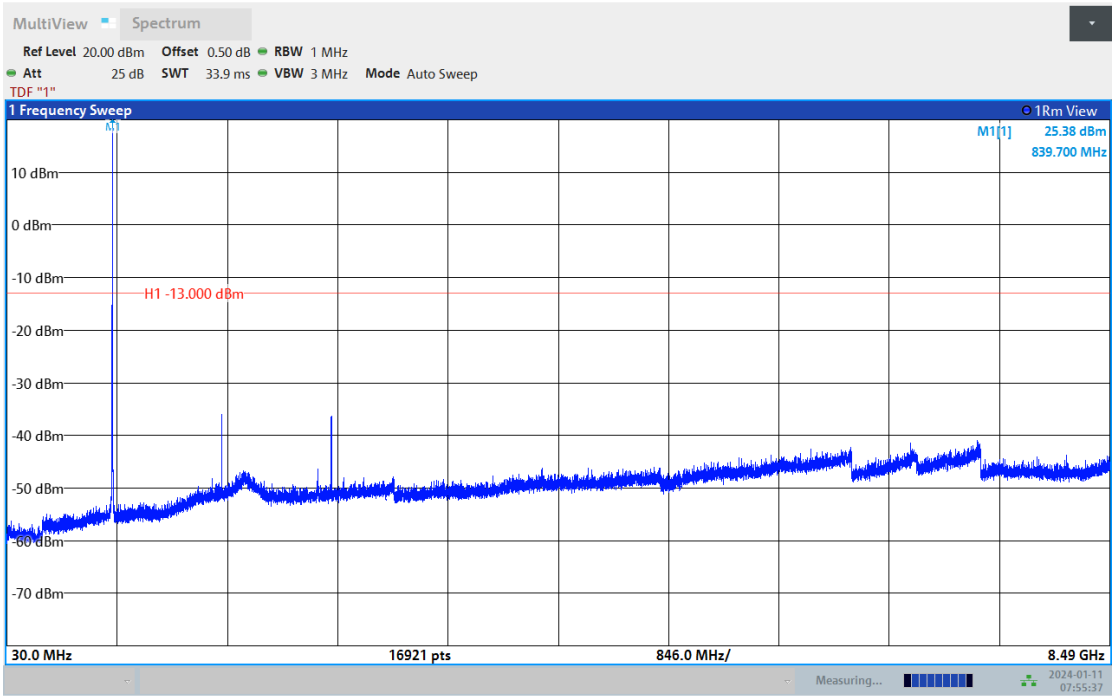
07:53:57 AM 01/11/2024

Band5-10MHz-16QAM-20600-1RB#0-Range:30~8490MHz



07:54:55 AM 01/11/2024

Band5-10MHz-64QAM-20600-1RB#0-Range:30~8490MHz



07:55:38 AM 01/11/2024

FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	LV	NT	2.6	0.003136	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	NT	1.24	0.001496	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	HV	NT	-10.52	-0.012690	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	LV	NT	-6.45	-0.007711	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	NT	14.04	0.016784	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	HV	NT	9.82	0.011739	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	LV	NT	12.38	0.014668	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	NT	8.05	0.009538	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	HV	NT	-9.29	-0.011007	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	LV	NT	-9.26	-0.011170	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	NT	3.35	0.004041	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	HV	NT	14	0.016888	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	LV	NT	12.69	0.015170	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	NT	-13.62	-0.016282	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	HV	NT	3.08	0.003682	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	LV	NT	11.08	0.013128	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	NT	10.05	0.011908	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	HV	NT	-3.59	-0.004254	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	LV	NT	-10.24	-0.012352	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	NT	12.49	0.015066	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	HV	NT	13.32	0.016068	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	LV	NT	3.89	0.004650	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	NT	-0.93	-0.001112	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	HV	NT	3.39	0.004053	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	LV	NT	0.82	0.000972	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	NT	-2.73	-0.003235	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	HV	NT	2.09	0.002476	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	3.54	0.004270	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	13.68	0.016502	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	-13.9	-0.016767	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	11.31	0.013643	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	-6.29	-0.007587	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	10.67	0.012871	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	-2.83	-0.003414	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	-1.23	-0.001484	±2.5	PASS

Band5	10MHz	QPSK	20450	50RB#0	NV	50	10.7	0.012907	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-7.09	-0.008476	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	7.74	0.009253	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	11.11	0.013282	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-1.18	-0.001411	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-4.79	-0.005726	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-13.35	-0.015959	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-11.95	-0.014286	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-12.36	-0.014776	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	2.66	0.003180	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	10.27	0.012168	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-5.19	-0.006149	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	-4	-0.004739	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	13.04	0.015450	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	-12.96	-0.015355	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	-14.02	-0.016611	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	7.24	0.008578	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	-7.17	-0.008495	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	-7.5	-0.008886	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-30	12.66	0.015271	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-20	-10.86	-0.013100	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	-10	-11.71	-0.014125	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	0	-1.6	-0.001930	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	10	11.97	0.014439	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	20	0.05	0.000060	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	30	13.8	0.016647	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	40	7.02	0.008468	±2.5	PASS
Band5	10MHz	16QAM	20450	50RB#0	NV	50	0.3	0.000362	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-30	11.78	0.014082	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-20	0.96	0.001148	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	-10	-0.54	-0.000646	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	0	-7.73	-0.009241	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	10	-14.46	-0.017286	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	20	6.44	0.007699	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	30	-2.57	-0.003072	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	40	0.84	0.001004	±2.5	PASS
Band5	10MHz	16QAM	20525	50RB#0	NV	50	-10.47	-0.012516	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-30	-8.63	-0.010225	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-20	-11.54	-0.013673	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	-10	-6.88	-0.008152	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	0	-4.23	-0.005012	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	10	6.1	0.007227	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	20	-11.19	-0.013258	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	30	-7.64	-0.009052	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	40	-6.2	-0.007346	±2.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	NV	50	1.07	0.001268	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-30	14.9	0.017973	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-20	10.84	0.013076	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	-10	13.51	0.016297	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	0	-2.55	-0.003076	±2.5	PASS

Band5	10MHz	64QAM	20450	50RB#0	NV	10	-7.18	-0.008661	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	20	6.37	0.007684	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	30	2.42	0.002919	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	40	-12.03	-0.014511	±2.5	PASS
Band5	10MHz	64QAM	20450	50RB#0	NV	50	-8.17	-0.009855	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-30	-6.85	-0.008189	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-20	-1.37	-0.001638	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	-10	-12.68	-0.015158	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	0	-14.99	-0.017920	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	10	-11.6	-0.013867	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	20	4.76	0.005690	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	30	-2	-0.002391	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	40	-10.25	-0.012253	±2.5	PASS
Band5	10MHz	64QAM	20525	50RB#0	NV	50	13.38	0.015995	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-30	-7.06	-0.008365	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-20	12.87	0.015249	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	-10	-14.25	-0.016884	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	0	-9.45	-0.011197	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	10	10.63	0.012595	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	20	-11.03	-0.013069	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	30	0.52	0.000616	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	40	0.9	0.001066	±2.5	PASS
Band5	10MHz	64QAM	20600	50RB#0	NV	50	-9.84	-0.011659	±2.5	PASS

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