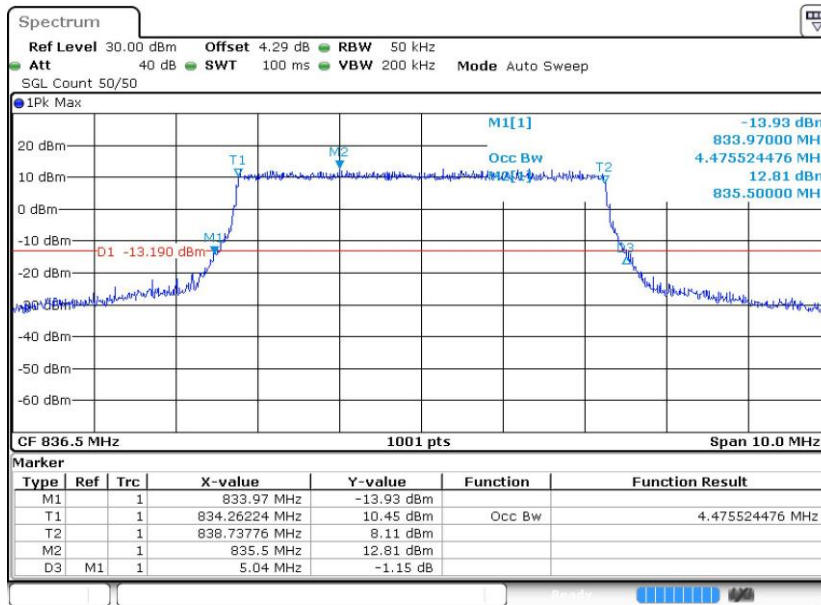




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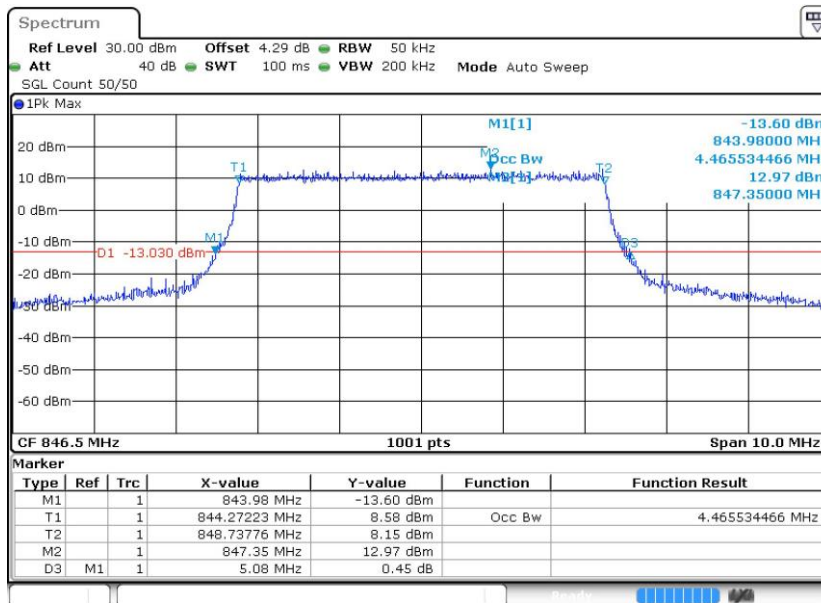
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Date: 18.DEC.2023 23:11:18

Band5-5MHz-16QAM-20625-25RB#0



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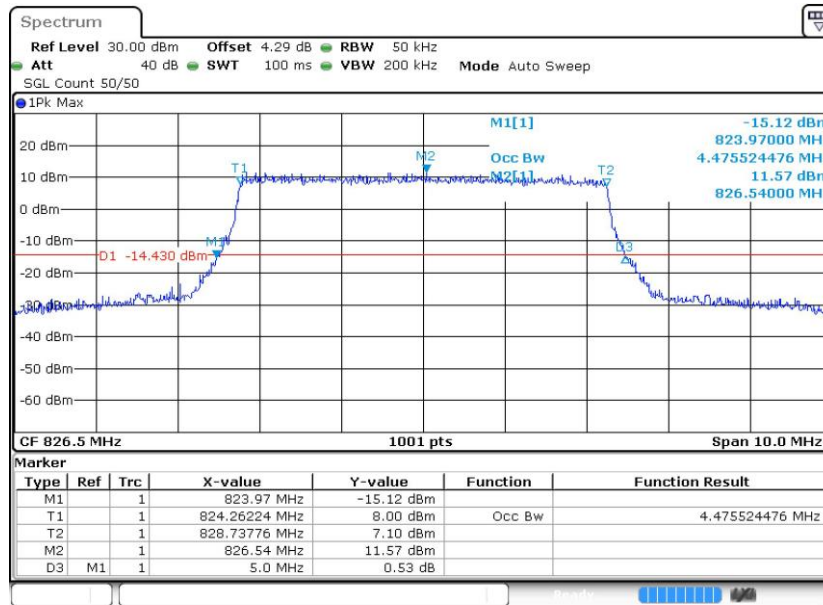
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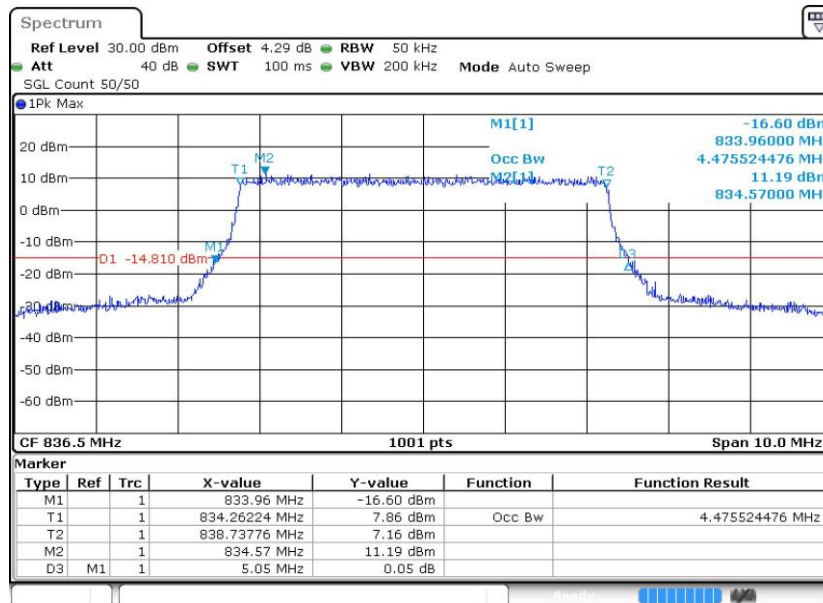
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Band5-5MHz-64QAM-20525-25RB#0



Date: 19.DEC.2023 15:04:11



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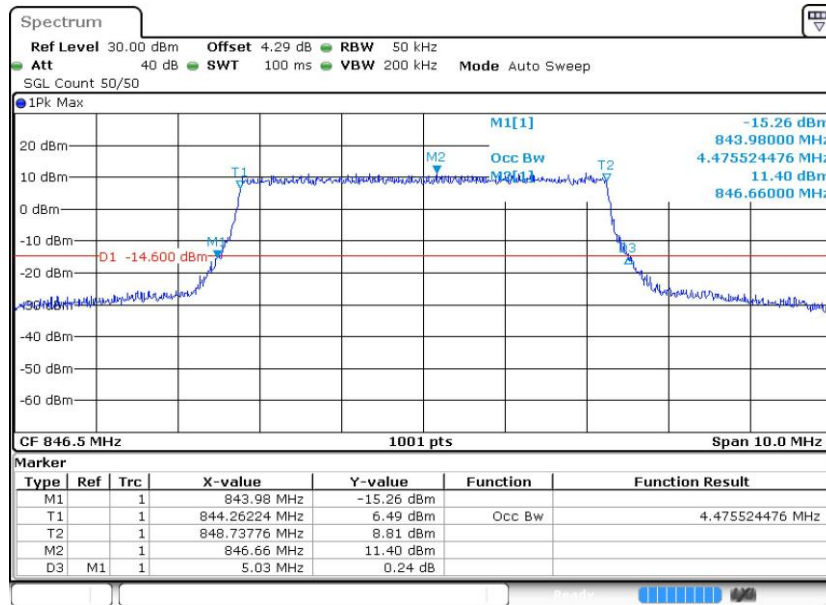
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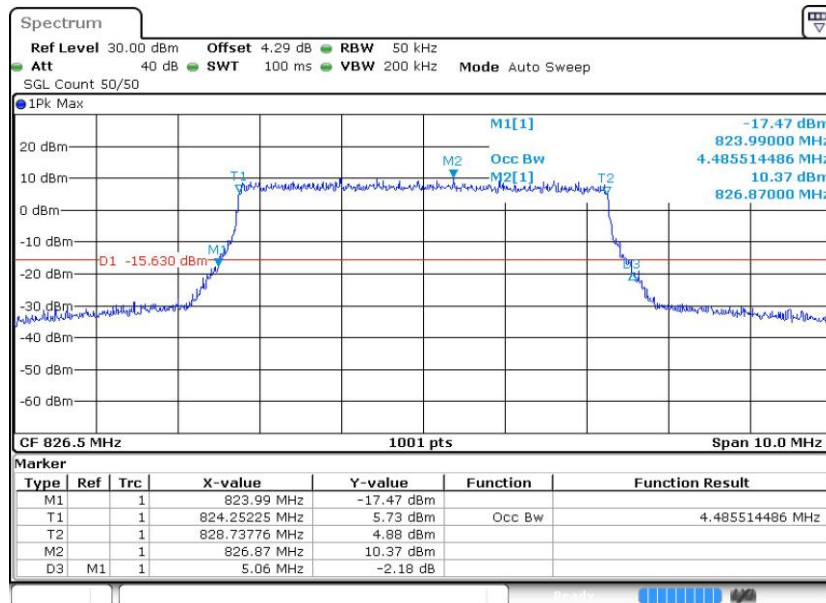
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Date: 19.DEC.2023 15:04:30

Band5-5MHz-256QAM-20425-25RB#0



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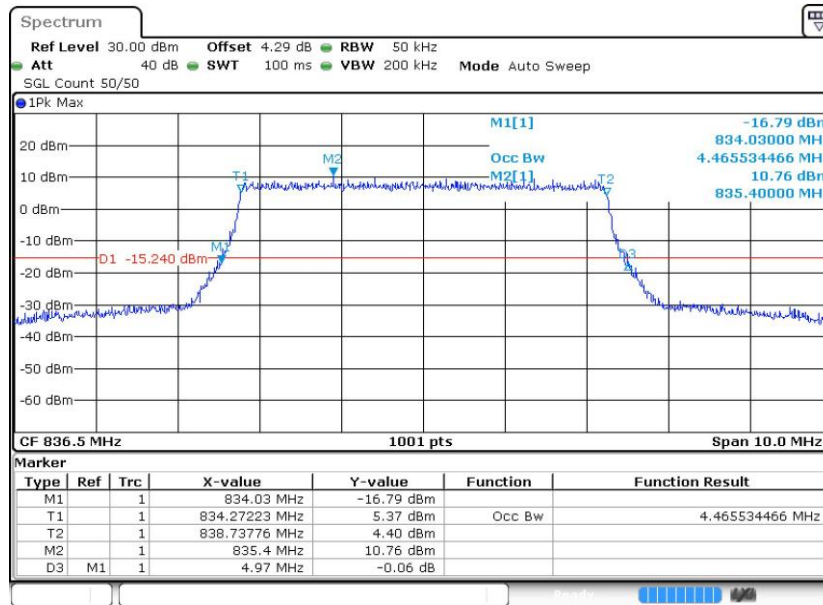
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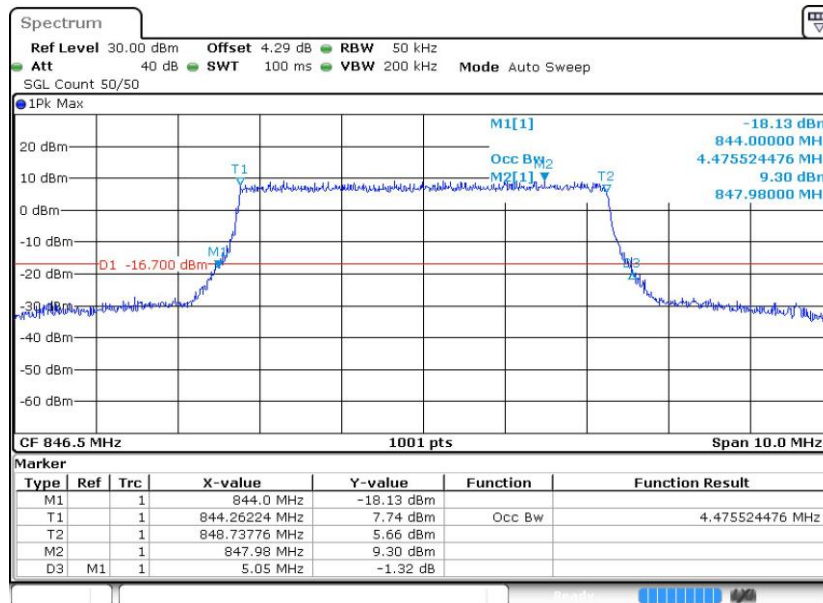
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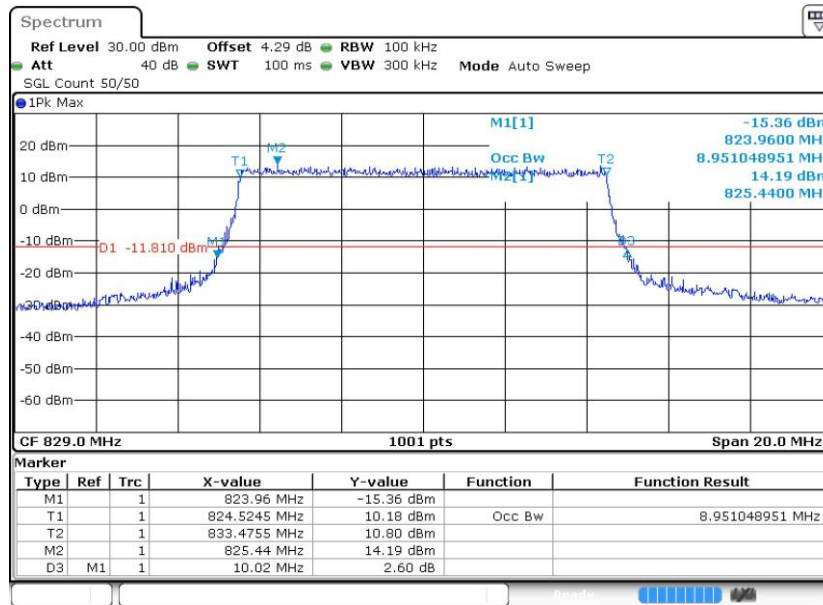
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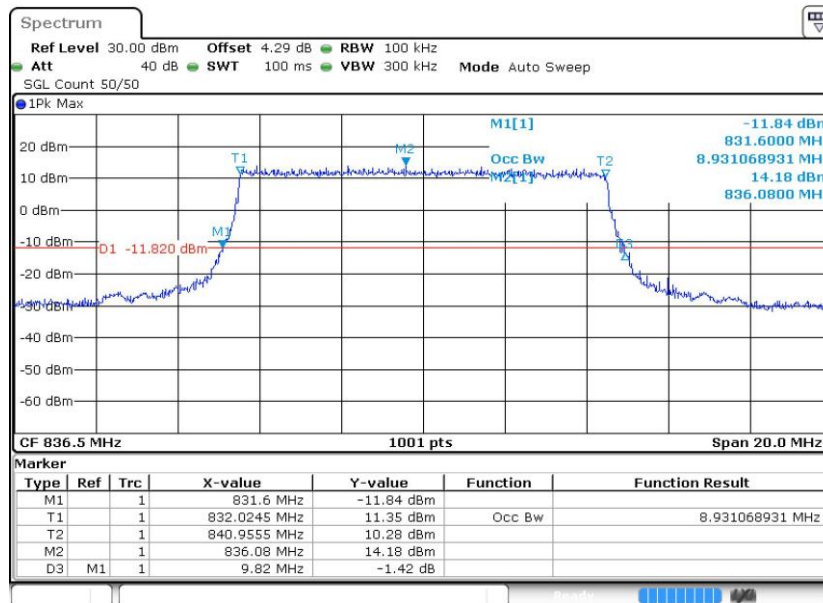
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Band5-10MHz-QPSK-20525-50RB#0



Date: 18 DEC. 2023 23:13:10



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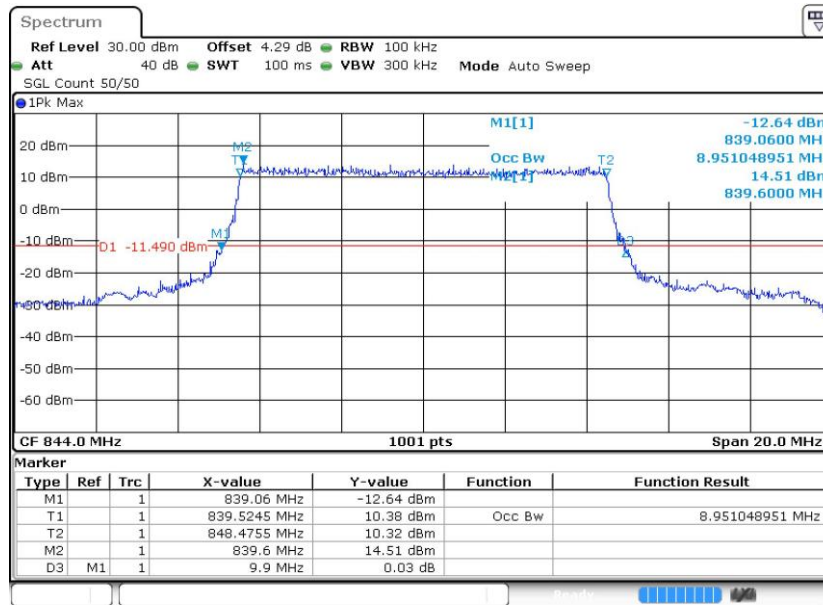
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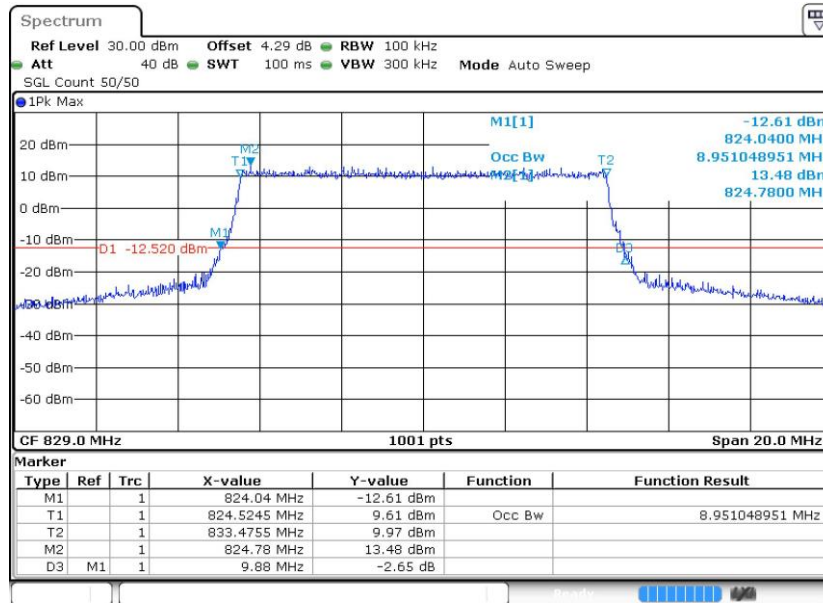
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Band5-10MHz-16QAM-20450-50RB#0



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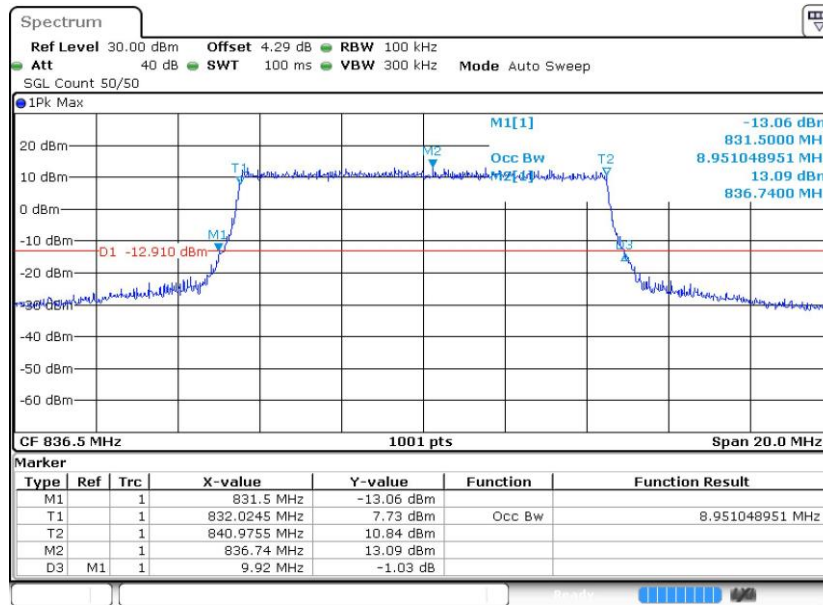
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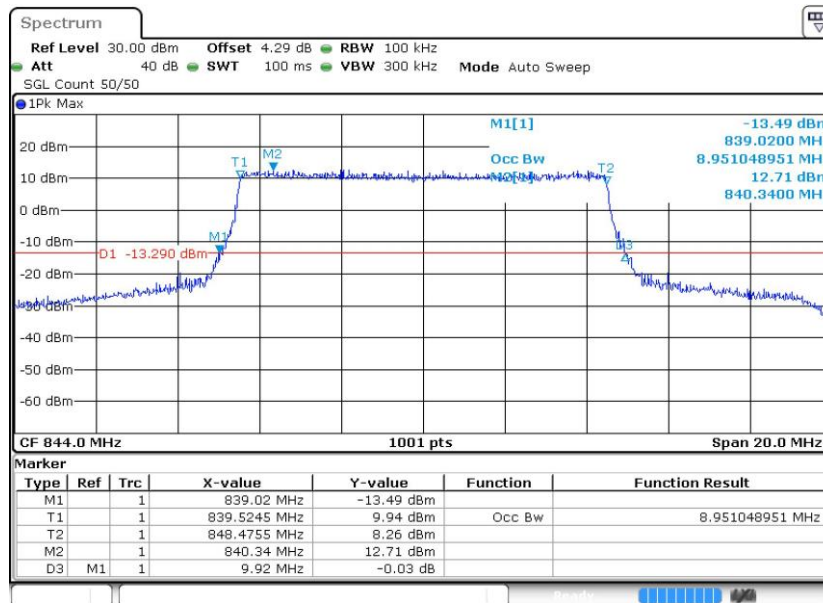
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Band5-10MHz-16QAM-20600-50RB#0



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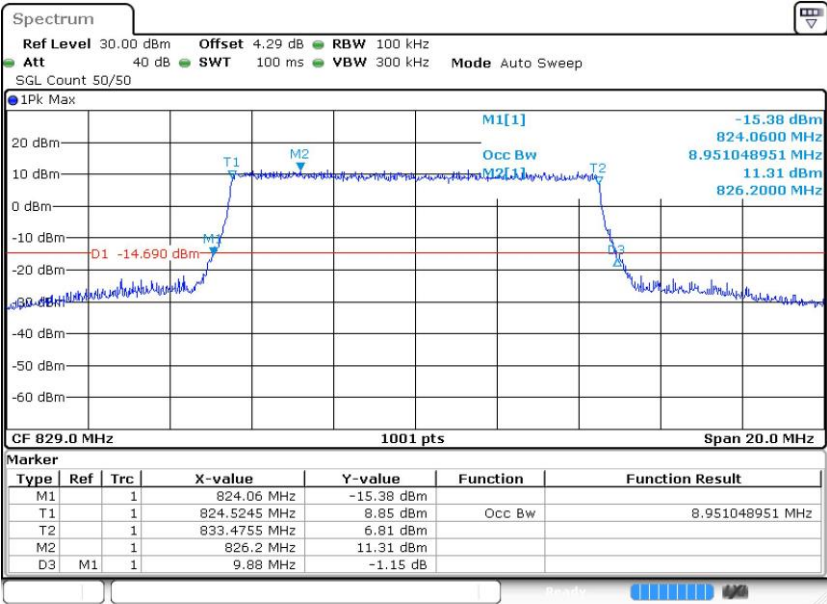
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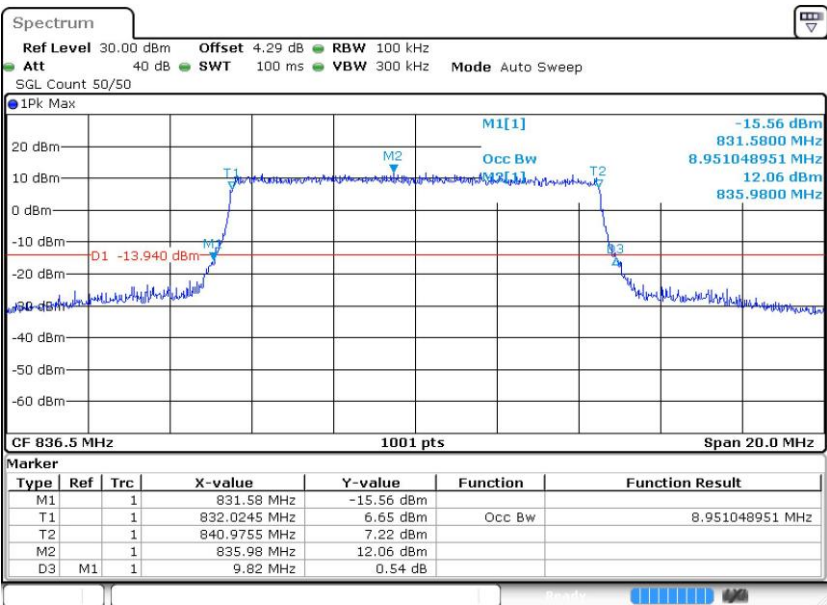
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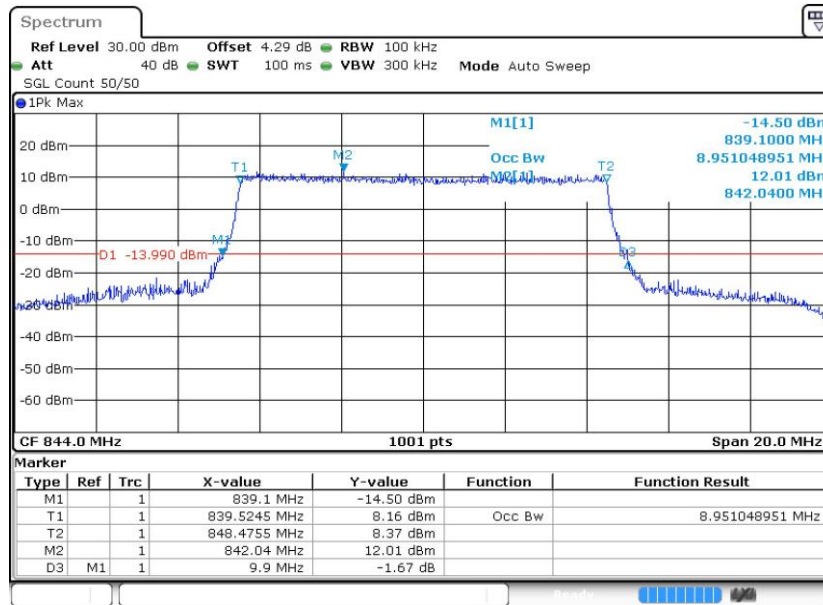
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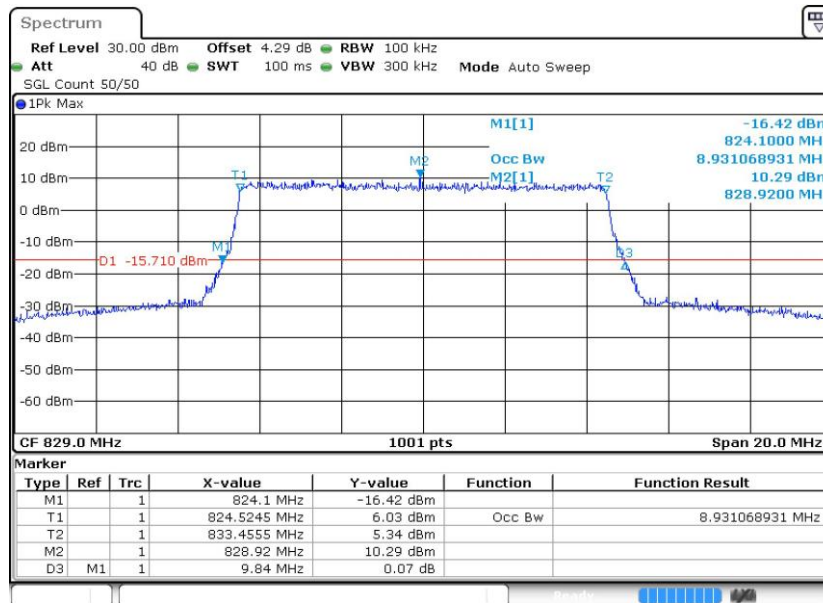
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Band5-10MHz-256QAM-20450-50RB#0



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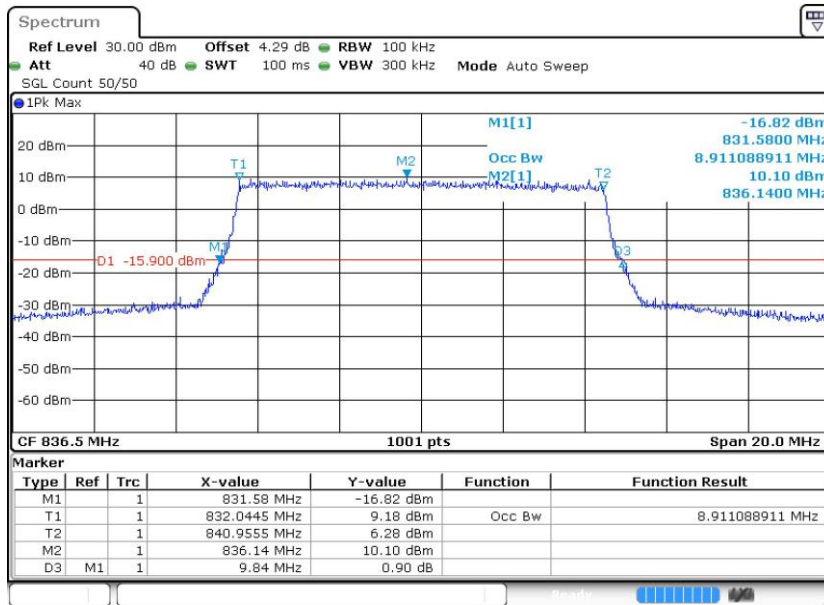
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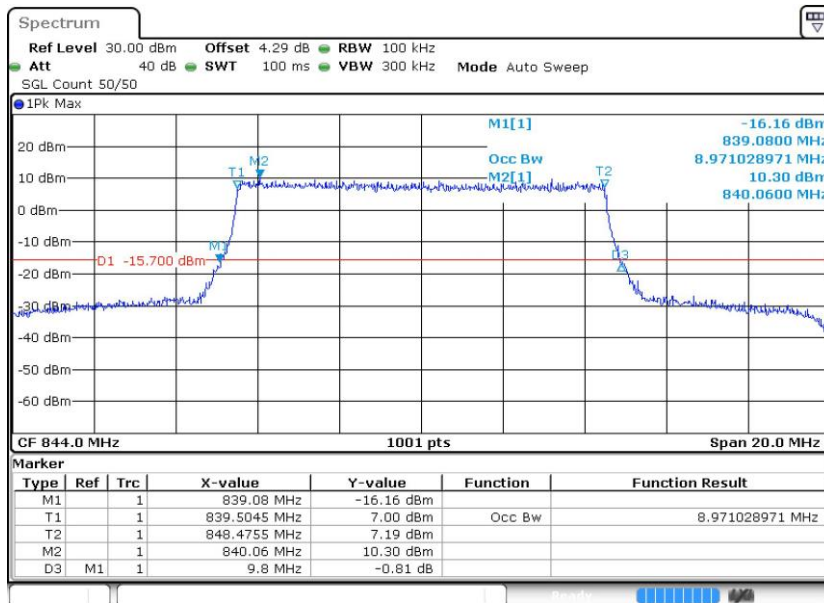
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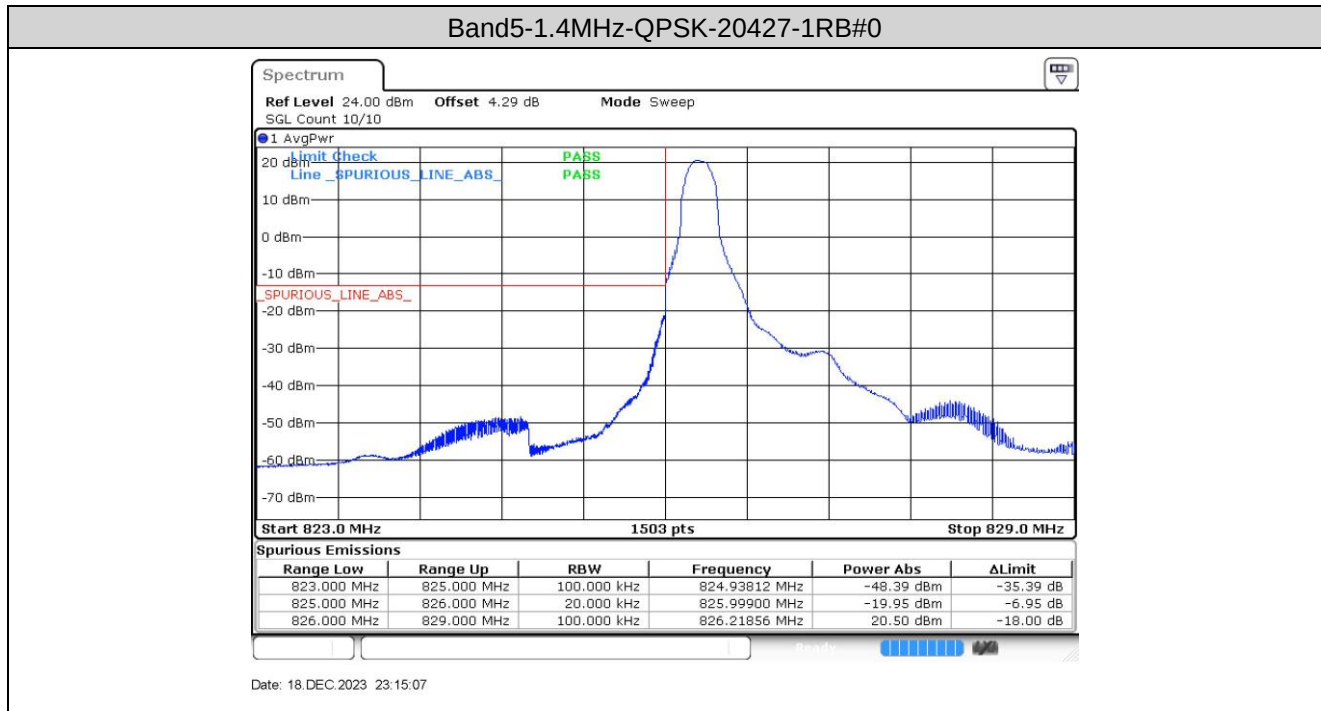


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Test Graphs



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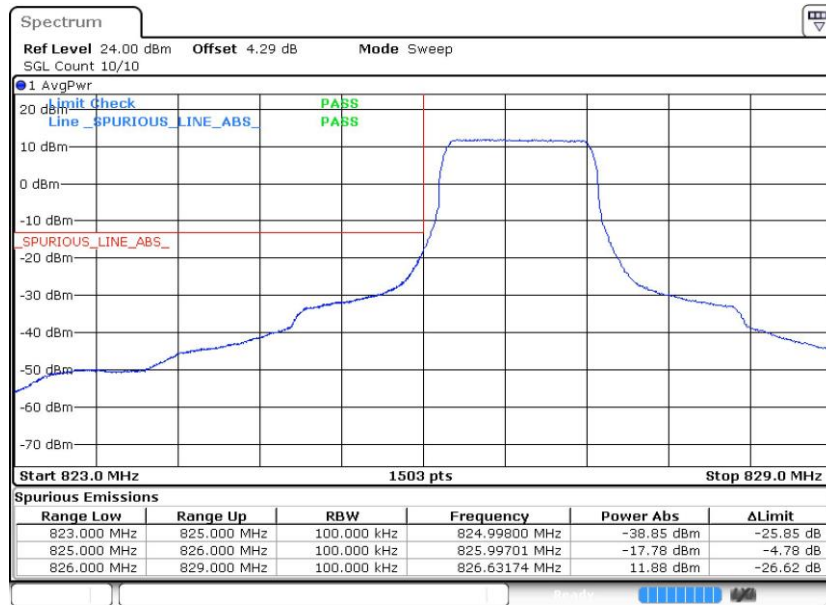
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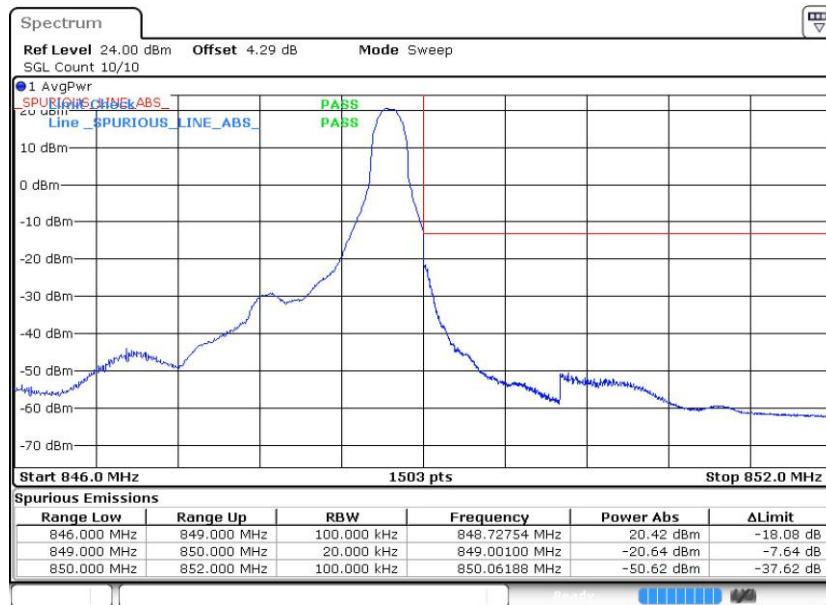
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Band5-1.4MHz-QPSK-20427-6RB#0



Band5-1.4MHz-QPSK-20643-1RB#5



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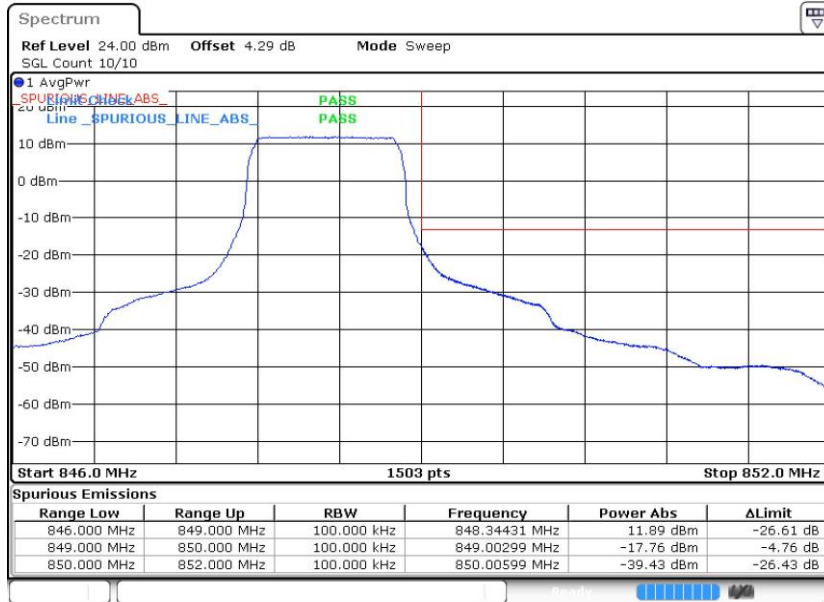
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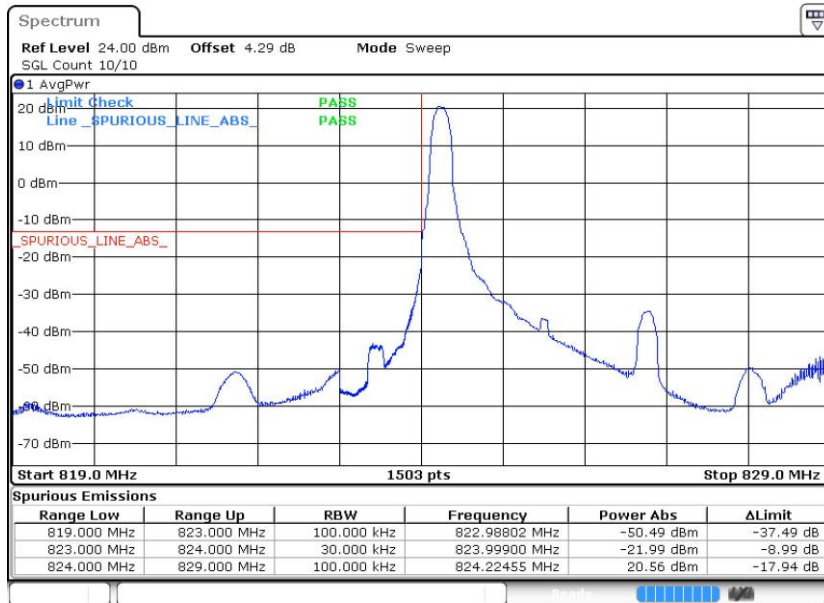
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Band5-1.4MHz-QPSK-20643-6RB#0



Band5-3MHz-QPSK-20415-1RB#0



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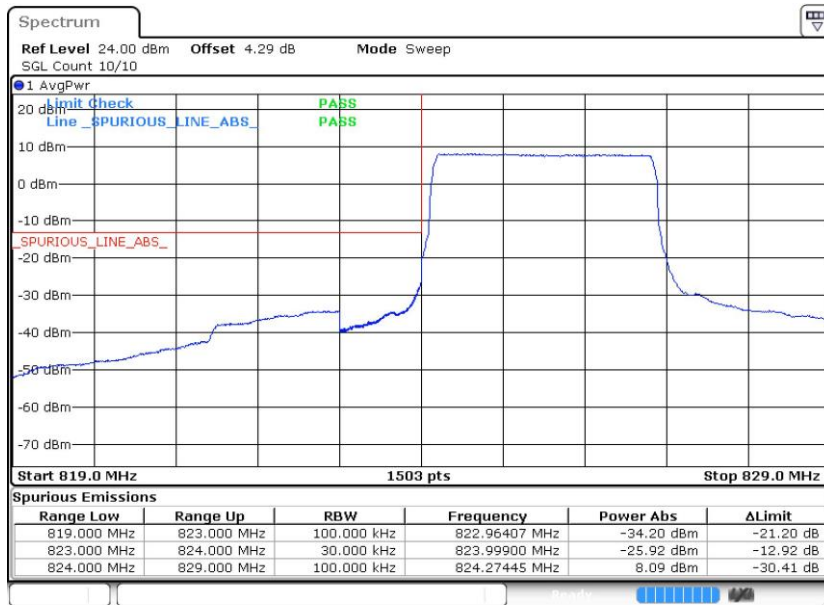
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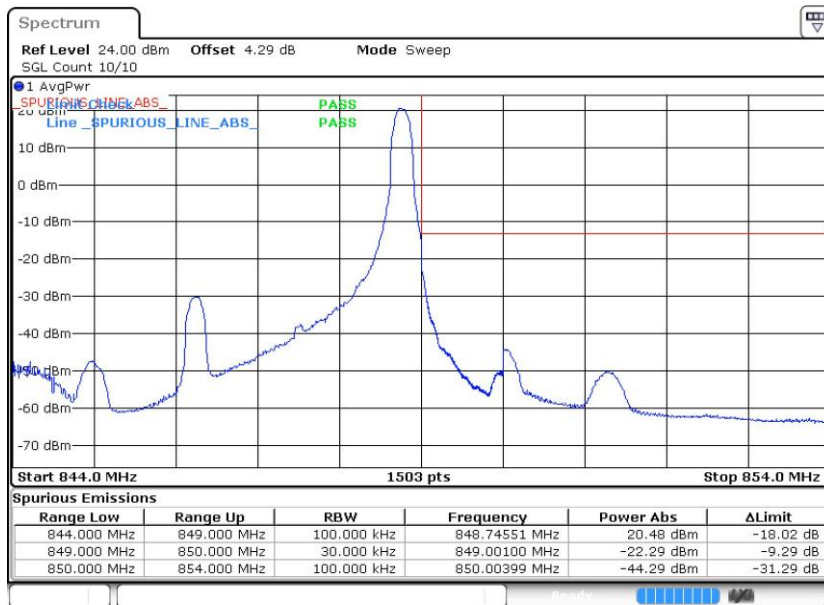
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Band5-3MHz-QPSK-20415-15RB#0



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



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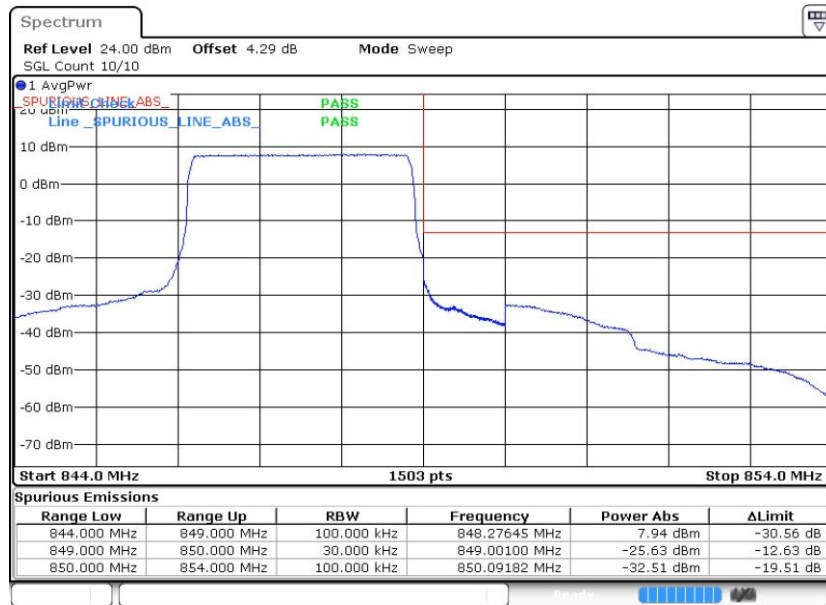
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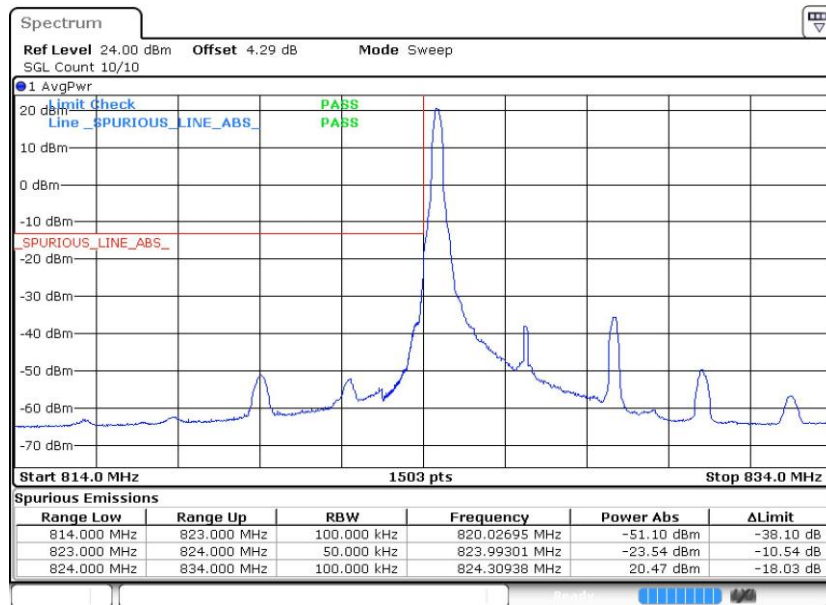
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Band5-3MHz-QPSK-20635-15RB#0



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



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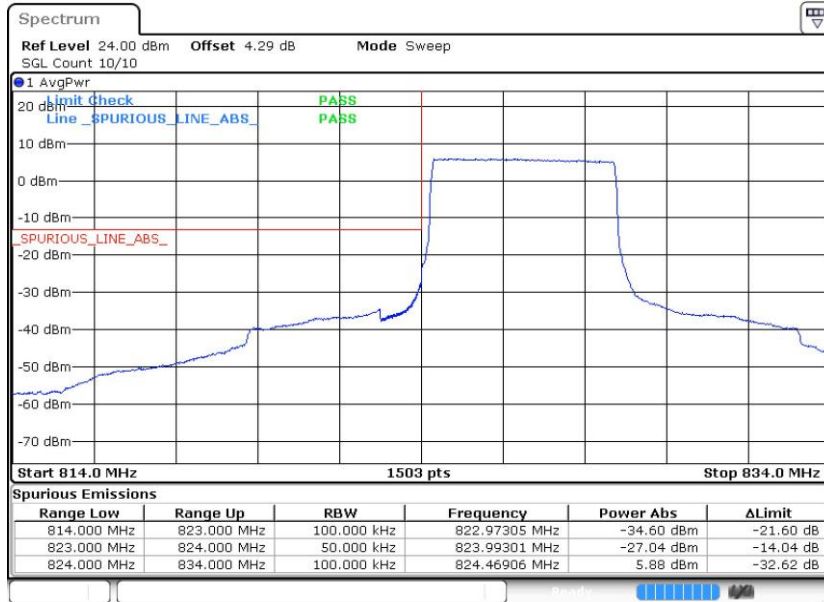
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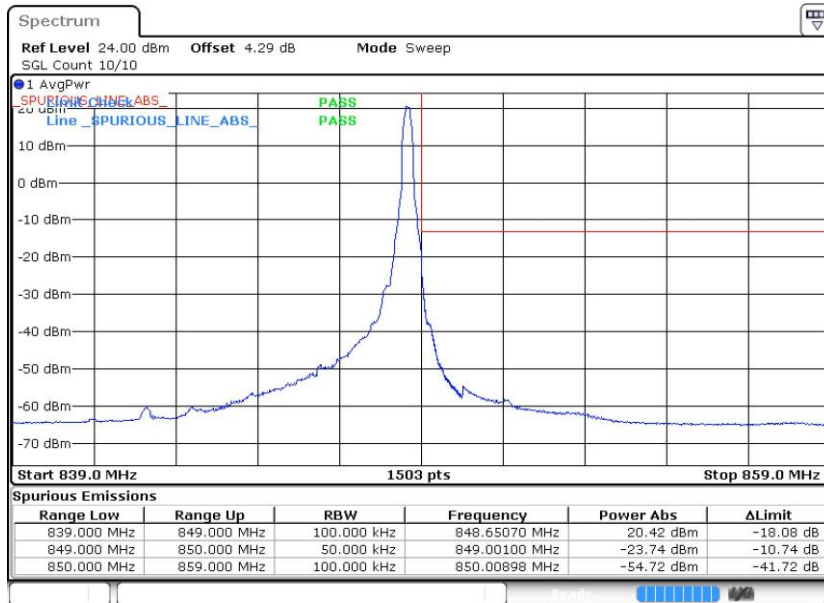
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Band5-5MHz-QPSK-20425-25RB#0



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



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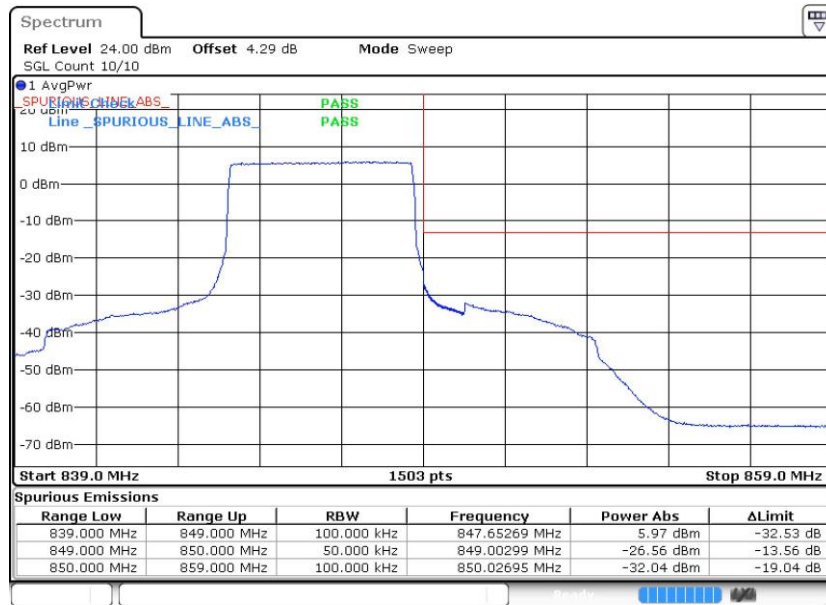
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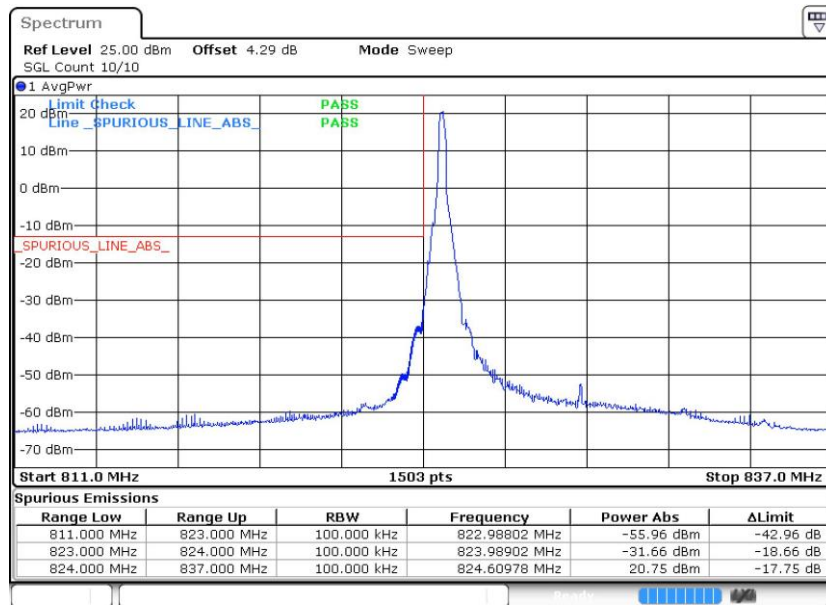
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Band5-5MHz-QPSK-20625-25RB#0



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



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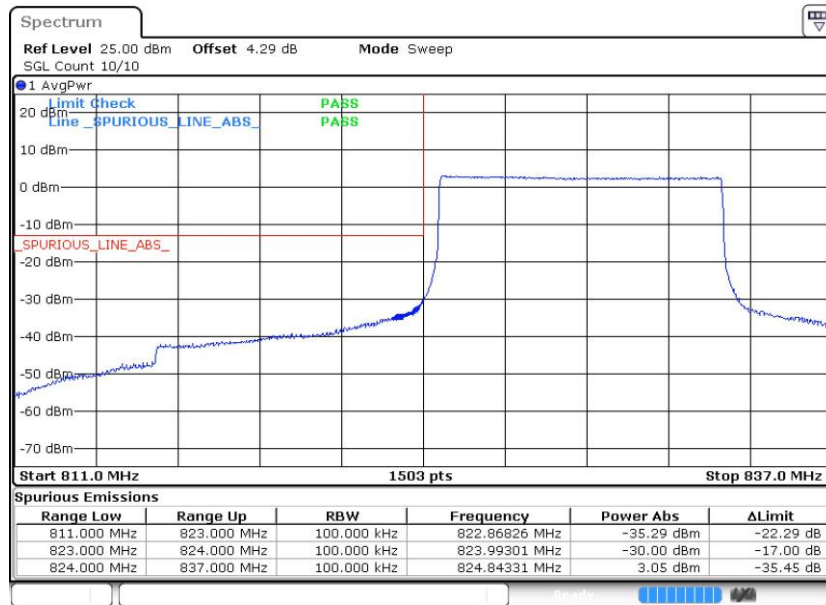
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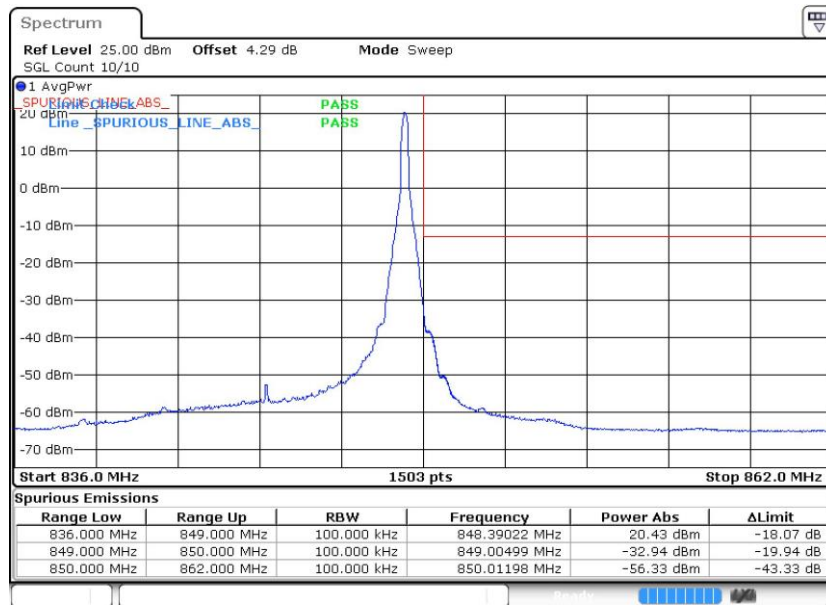
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Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20600-1RB#49



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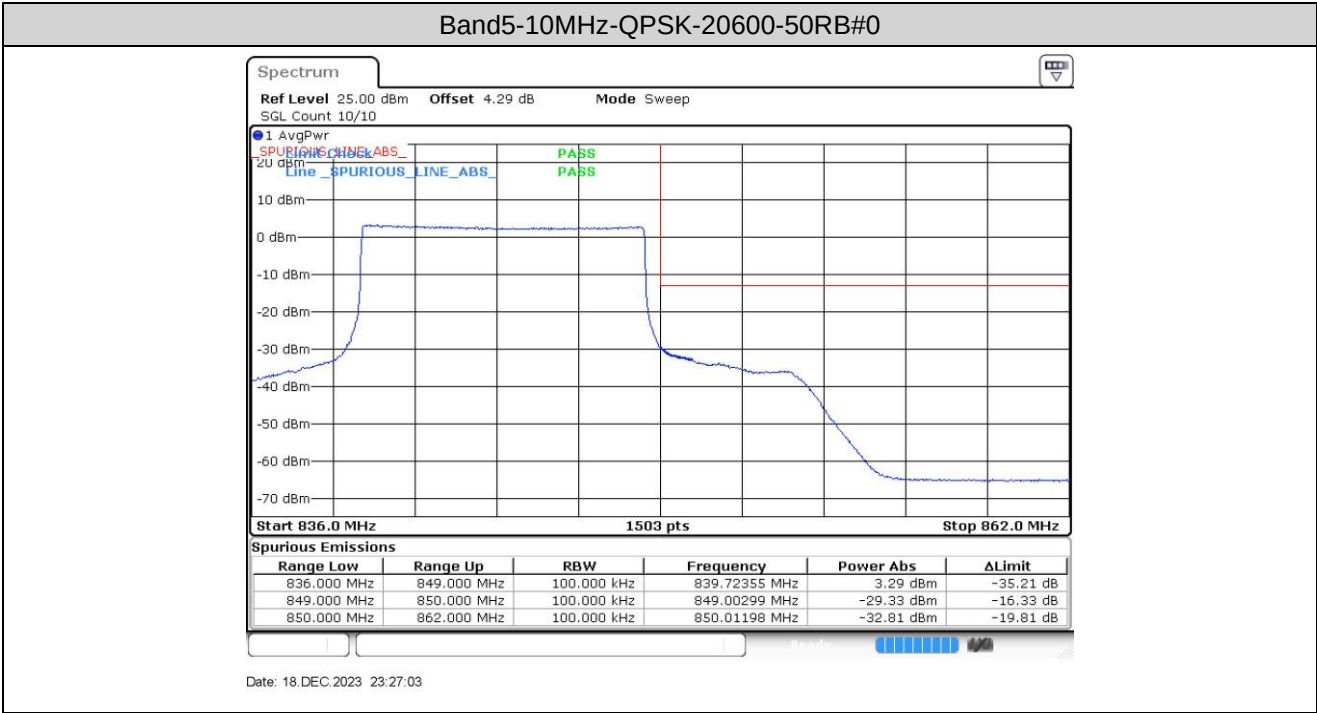
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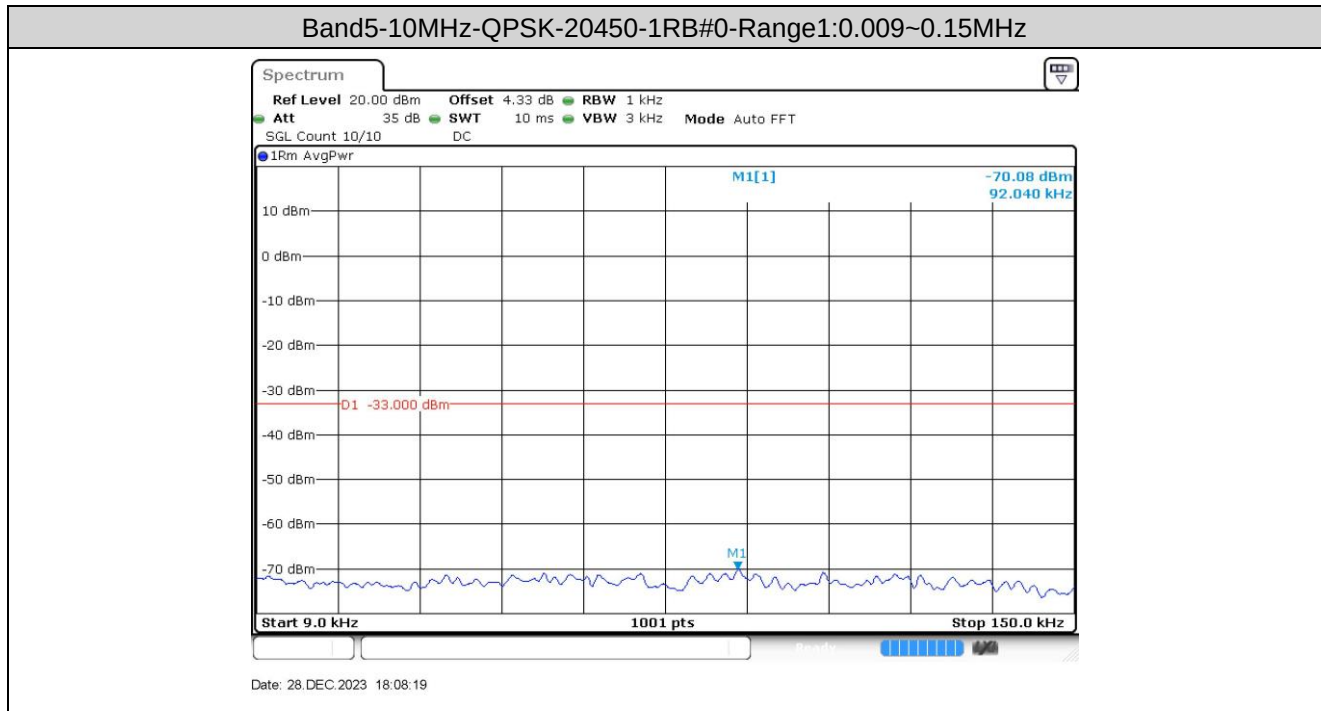


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Conducted Spurious Emission

Test Graphs



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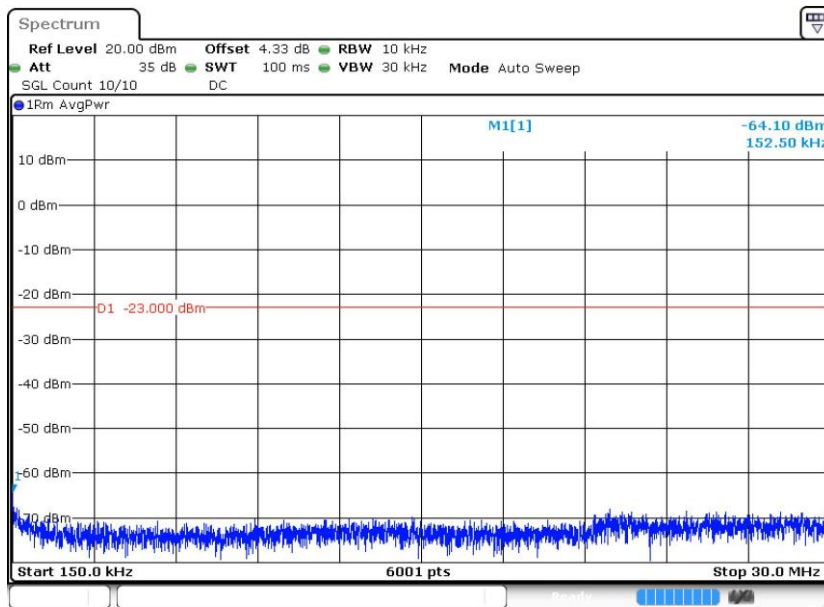
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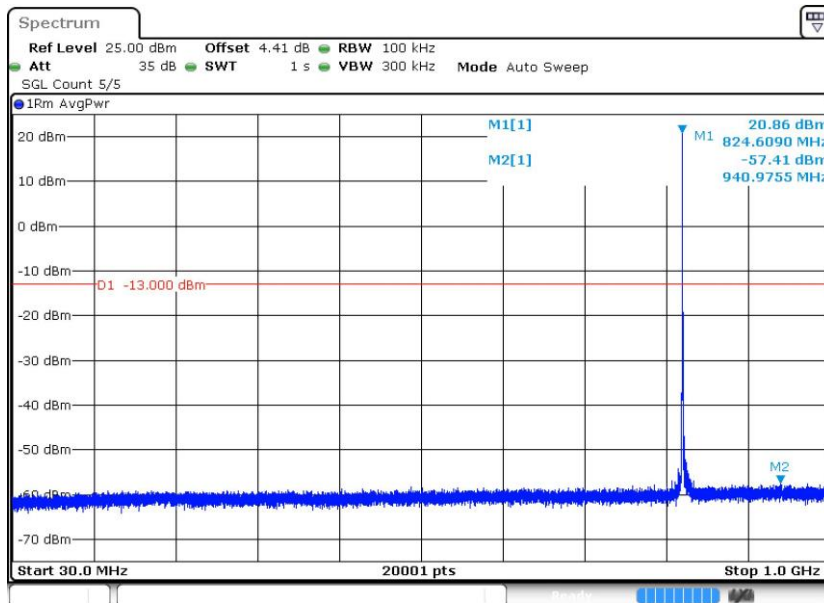
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Band5-10MHz-QPSK-20450-1RB#0-Range2:0.15~30MHz



Date: 28 DEC. 2023 18:08:24

Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



Date: 28 DEC. 2023 18:08:33



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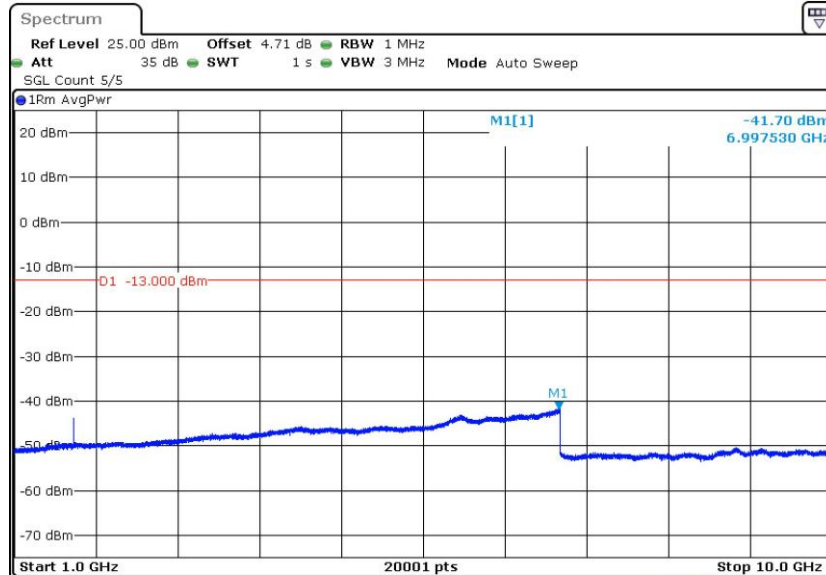
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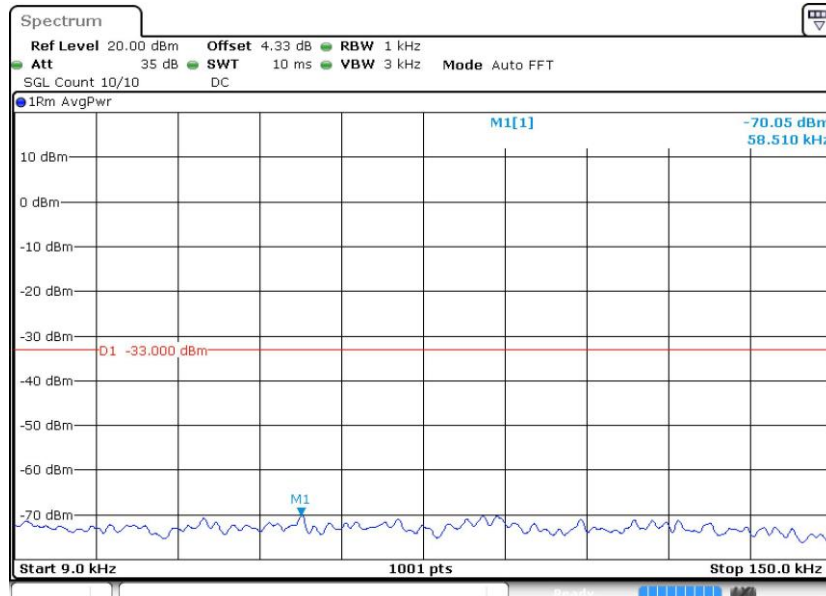
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Band5-10MHz-QPSK-20450-1RB#0-Range4:1000~10000MHz



Date: 28.DEC.2023 18:08:41

Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



Date: 28.DEC.2023 18:08:54



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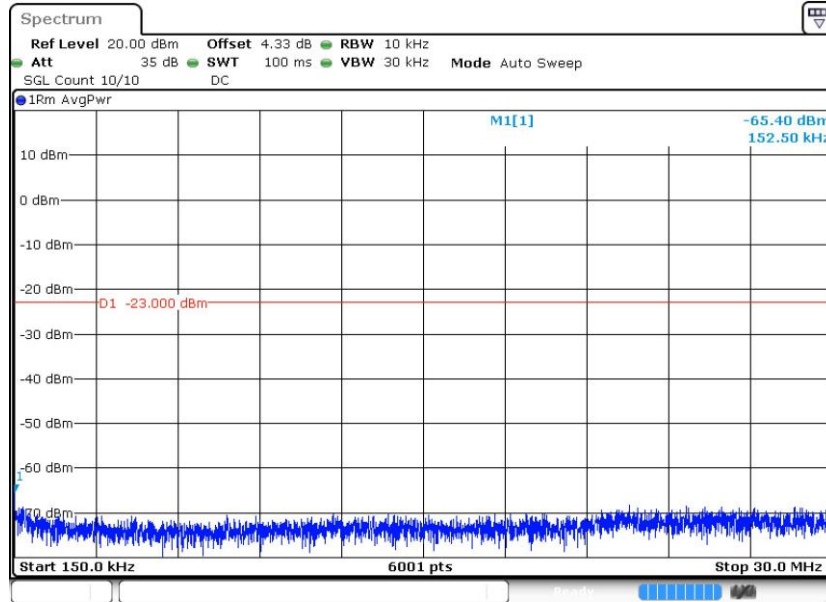
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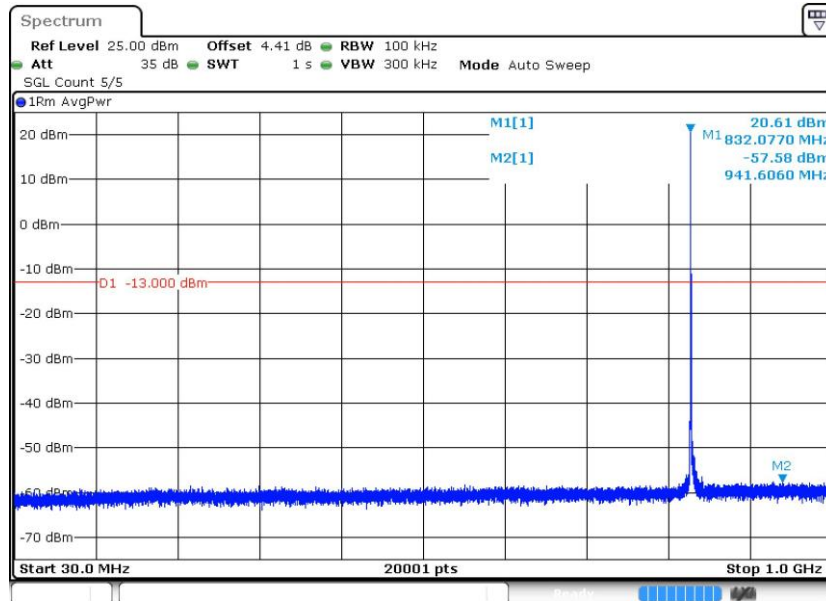
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Band5-10MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



Date: 28 DEC 2023 18:08:58

Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



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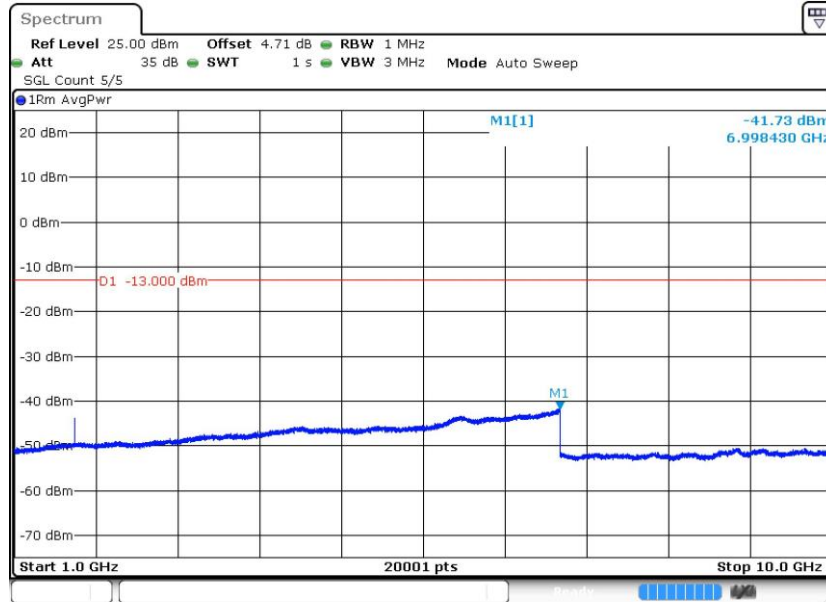
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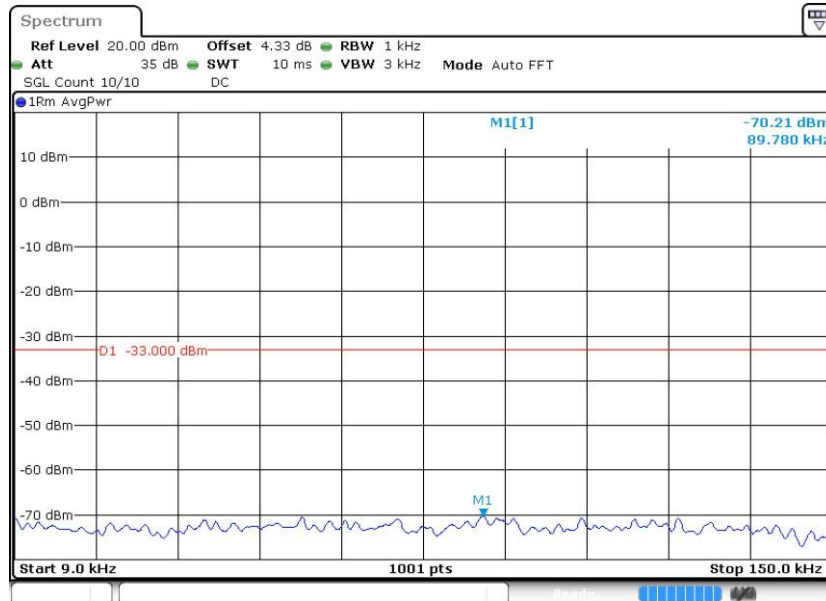
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Band5-10MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



Date: 28.DEC.2023 18:09:16

Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



Date: 28.DEC.2023 18:09:29



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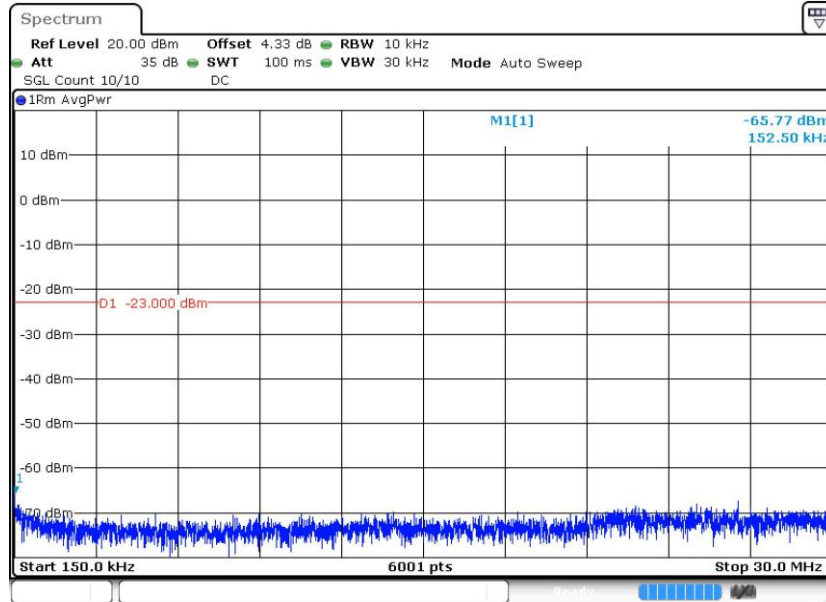
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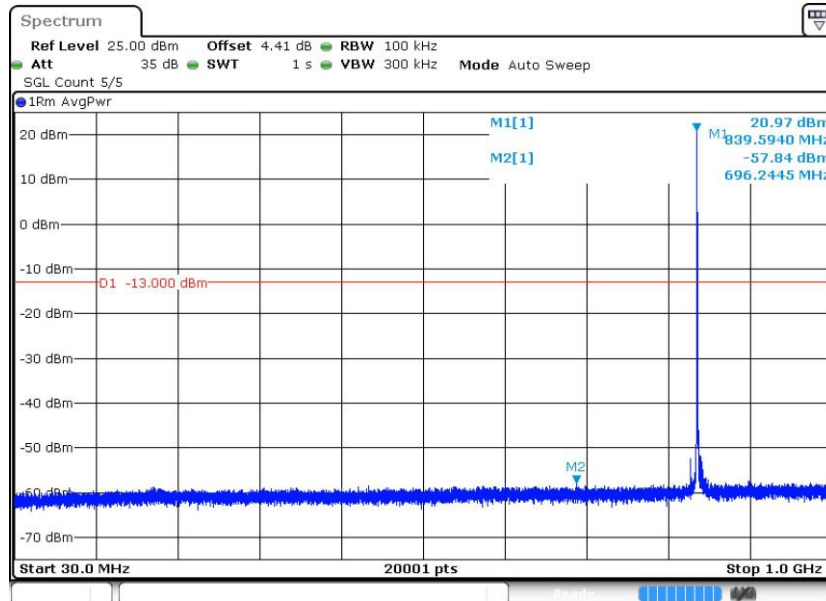
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Band5-10MHz-QPSK-20600-1RB#0-Range2:0.15~30MHz



Date: 28 DEC. 2023 18:09:34

Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



Date: 28 DEC. 2023 18:09:43



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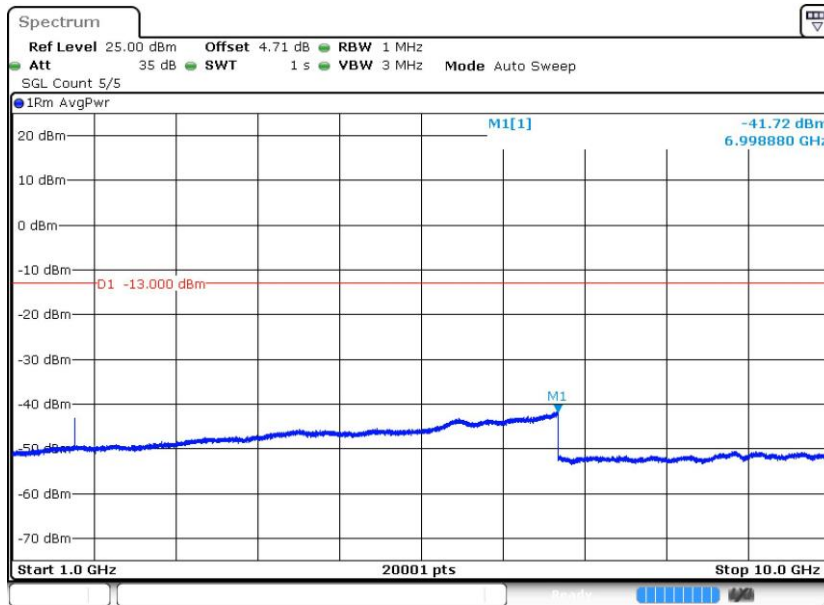
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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Band5-10MHz-QPSK-20600-1RB#0-Range4:1000~10000MHz



Date: 28 DEC 2023 18:09:51



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Field Strength of Spurious Radiation

Test Band = B5_ TM1

Test Channel = Low channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.0000	47.28	24.90	-48.85	-71.93	-13.00	58.93	Horizontal
2	2473.5000	44.75	27.34	-47.88	-71.05	-13.00	58.05	Horizontal
3	3298.0000	44.54	28.66	-47.15	-69.21	-13.00	56.21	Horizontal
4	4122.5000	44.36	29.67	-47.50	-68.73	-13.00	55.73	Horizontal
5	4947.0000	44.66	31.27	-46.98	-66.31	-13.00	53.31	Horizontal
6	5771.5000	44.19	32.49	-46.96	-65.54	-13.00	52.54	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.0000	46.70	24.90	-48.85	-72.51	-13.00	59.51	Vertical
2	2473.5000	44.92	27.34	-47.88	-70.88	-13.00	57.88	Vertical
3	3298.0000	44.49	28.66	-47.15	-69.26	-13.00	56.26	Vertical
4	4122.5000	44.41	29.67	-47.50	-68.68	-13.00	55.68	Vertical
5	4947.0000	44.54	31.27	-46.98	-66.43	-13.00	53.43	Vertical
6	5771.5000	44.36	32.49	-46.96	-65.37	-13.00	52.37	Vertical



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Test Band = B5_ TM1
Test Channel = Mid channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1663.875	49.00	24.93	-48.82	-70.15	-13.00	57.15	Horizontal
2	2495.775	46.54	27.39	-47.78	-69.11	-13.00	56.11	Horizontal
3	3328.0000	44.44	28.67	-47.21	-69.36	-13.00	56.36	Horizontal
4	4160.0000	45.03	29.72	-47.32	-67.83	-13.00	54.83	Horizontal
5	4992.0000	44.32	31.38	-46.95	-66.51	-13.00	53.51	Horizontal
6	5824.0000	44.86	32.47	-46.80	-64.73	-13.00	51.73	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664.4625	46.98	24.93	-48.82	-72.17	-13.00	59.17	Vertical
2	2496.3625	47.02	27.39	-47.78	-68.63	-13.00	55.63	Vertical
3	3328.0000	44.67	28.67	-47.21	-69.13	-13.00	56.13	Vertical
4	4160.0000	44.88	29.72	-47.32	-67.98	-13.00	54.98	Vertical
5	4992.0000	44.37	31.38	-46.95	-66.46	-13.00	53.46	Vertical
6	5824.0000	44.34	32.47	-46.80	-65.25	-13.00	52.25	Vertical



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Test Band = B5_ TM1
Test Channel = High channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.15	49.71	24.96	-48.80	-69.39	-13.00	56.39	Horizontal
2	2518.6875	48.21	27.44	-47.82	-67.43	-13.00	54.43	Horizontal
3	3358.0000	45.16	28.67	-47.27	-68.70	-13.00	55.70	Horizontal
4	4197.5000	44.15	29.78	-47.13	-68.46	-13.00	55.46	Horizontal
5	5037.0000	44.29	31.49	-46.99	-66.47	-13.00	53.47	Horizontal
6	5876.5000	44.11	32.45	-46.36	-65.06	-13.00	52.06	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.15	48.37	24.96	-48.80	-70.73	-13.00	57.73	Vertical
2	2518.6875	47.68	27.44	-47.82	-67.96	-13.00	54.96	Vertical
3	3358.0000	44.86	28.67	-47.27	-69.00	-13.00	56.00	Vertical
4	4197.5000	44.21	29.78	-47.13	-68.40	-13.00	55.40	Vertical
5	5037.0000	44.84	31.49	-46.99	-65.92	-13.00	52.92	Vertical
6	5876.5000	44.28	32.45	-46.36	-64.89	-13.00	51.89	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-0.10	-0.000120	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-0.60	-0.000717	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-1.50	-0.001793	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-1.30	-0.001554	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-0.80	-0.000956	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	0.50	0.000598	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-1.60	-0.001913	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-1.00	-0.001195	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-0.90	-0.001076	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-1.20	-0.001435	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-0.10	-0.000120	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-2.30	-0.002750	±2.5	PASS

---End of Attachment---



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