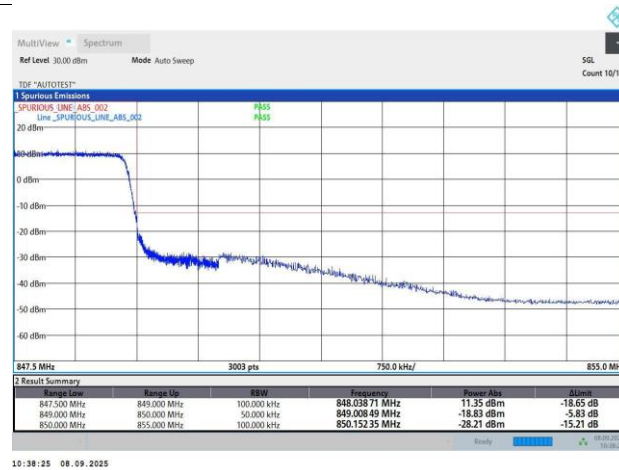
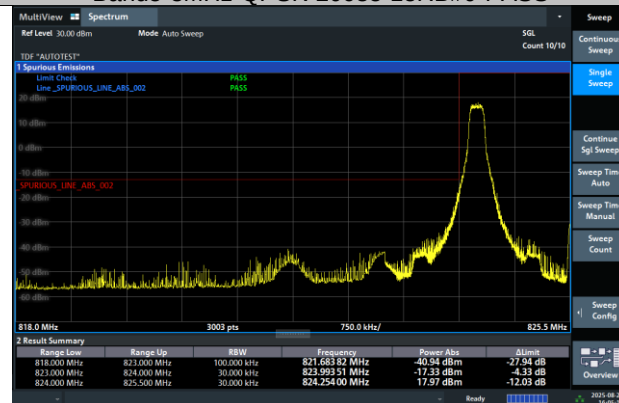
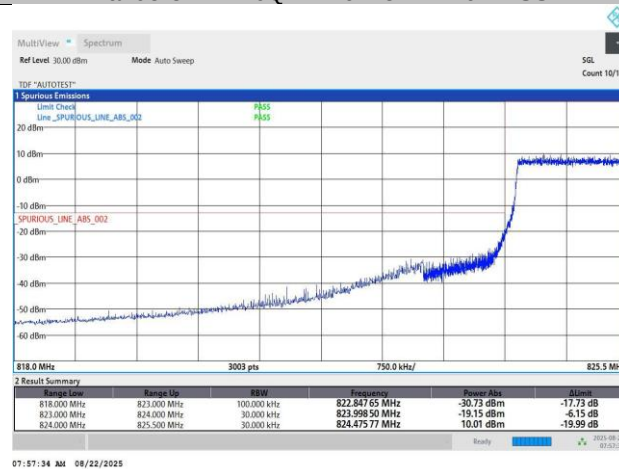




Band5-3MHz-QPSK-20635-15RB#0-PASS



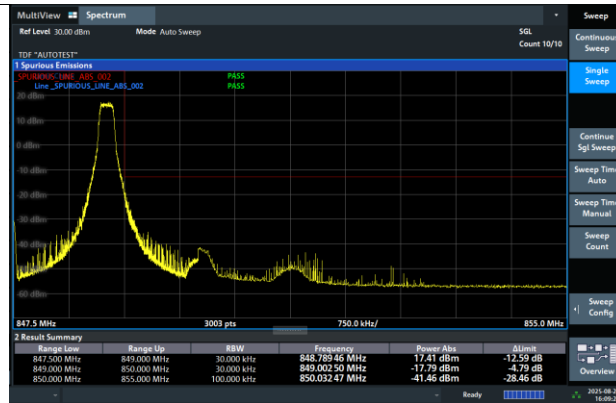
Band5-3MHz-16QAM-20415-1RB#0-PASS



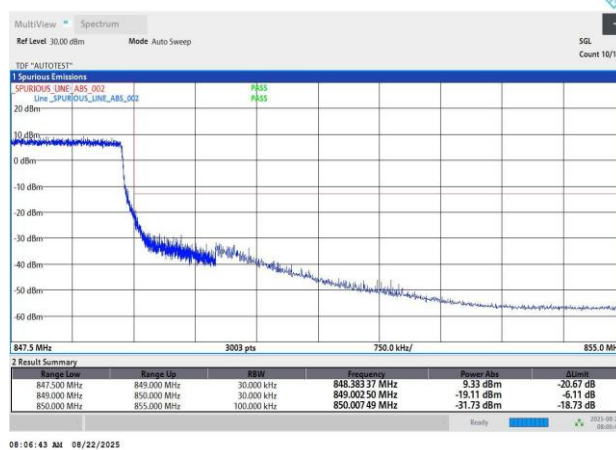
Band5-3MHz-16QAM-20415-8RB#0-PASS



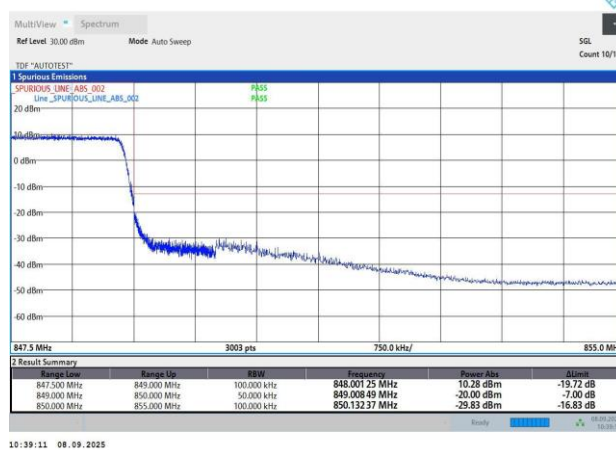
Band5-3MHz-16QAM-20415-15RB#0-PASS



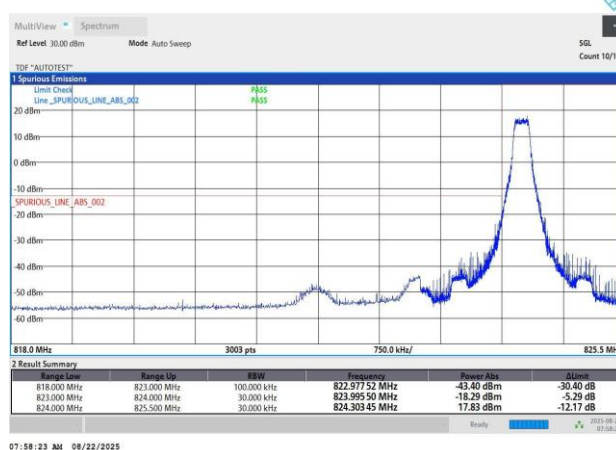
Band5-3MHz-16QAM-20635-1RB#14-PASS



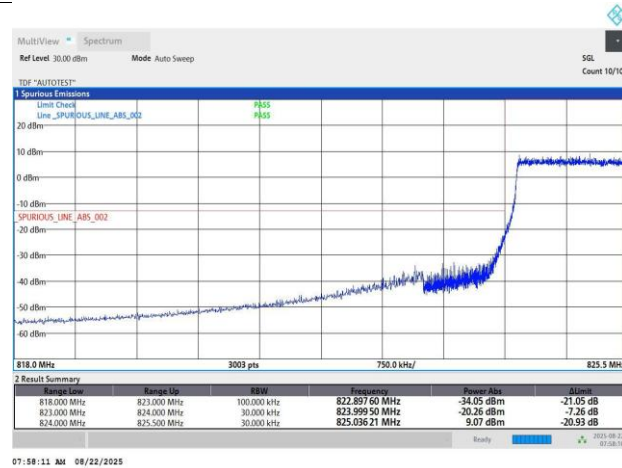
Band5-3MHz-16QAM-20635-8RB#7-PASS



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



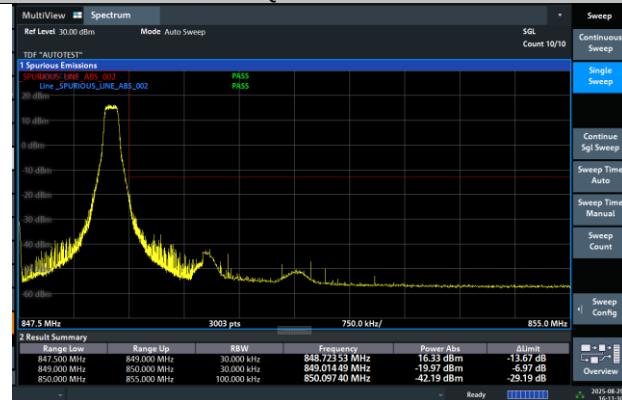
Band5-3MHz-64QAM-20415-1RB#0-PASS



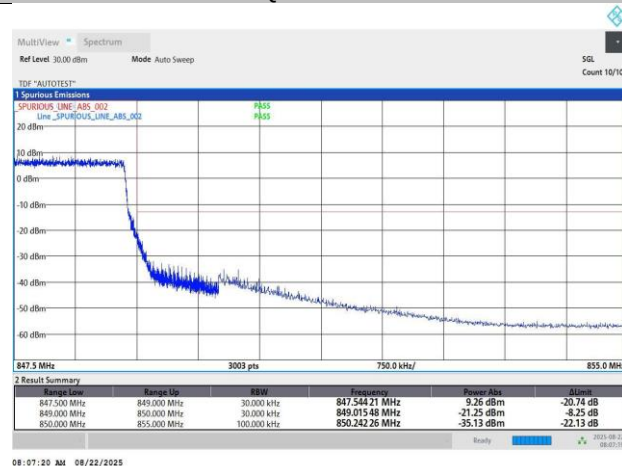
Band5-3MHz-64QAM-20415-8RB#0-PASS



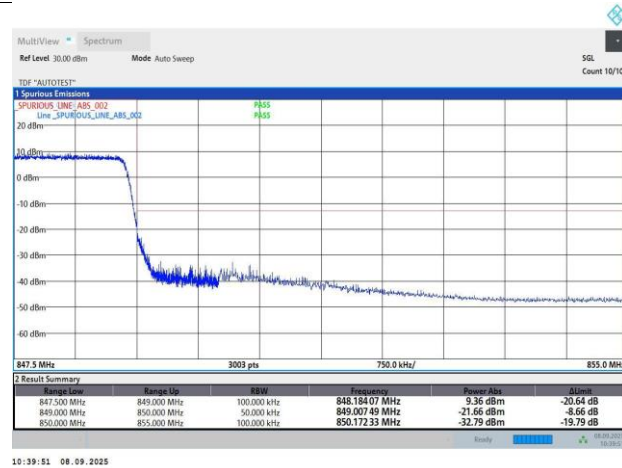
Band5-3MHz-64QAM-20415-15RB#0-PASS



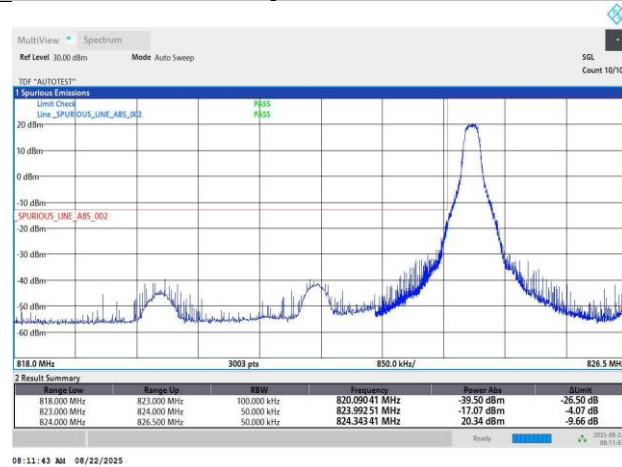
Band5-3MHz-64QAM-20635-1RB#14-PASS



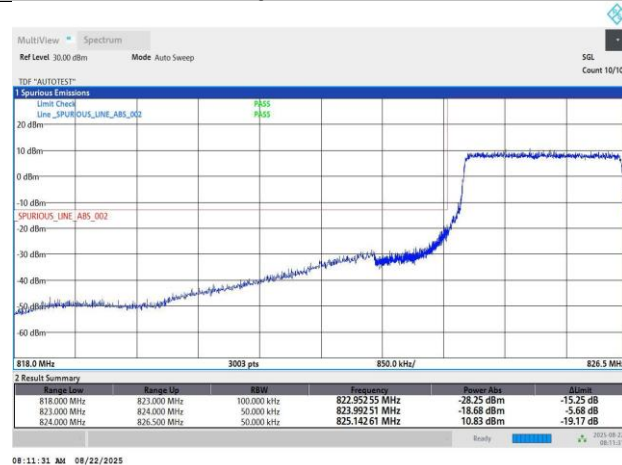
Band5-3MHz-64QAM-20635-8RB#7-PASS



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



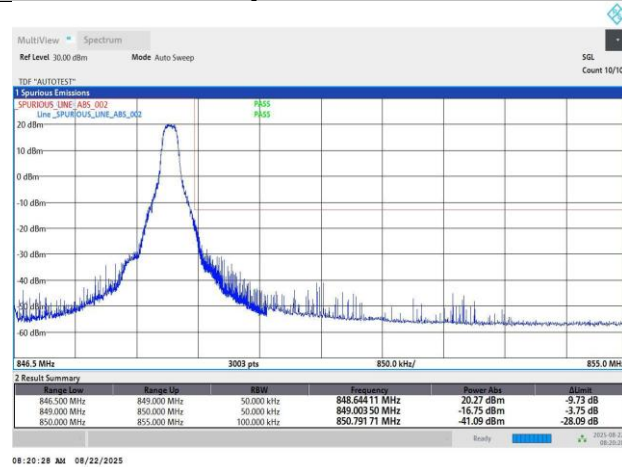
Band5-5MHz-QPSK-20425-1RB#0-PASS



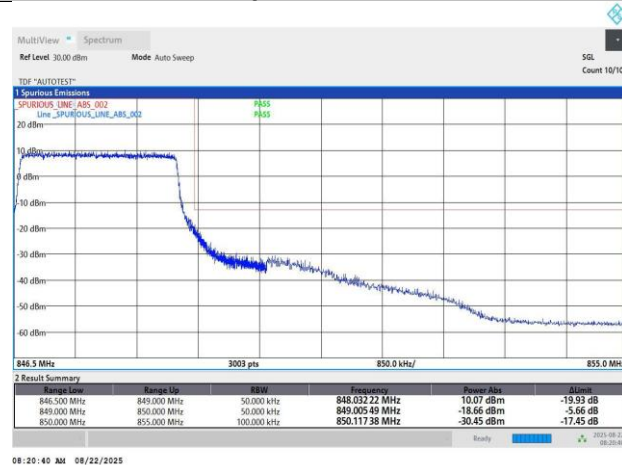
Band5-5MHz-QPSK-20425-12RB#0-PASS



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



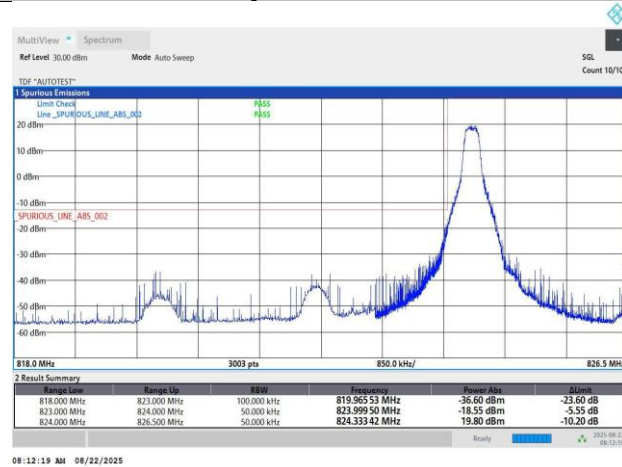
Band5-5MHz-QPSK-20625-1RB#24-PASS



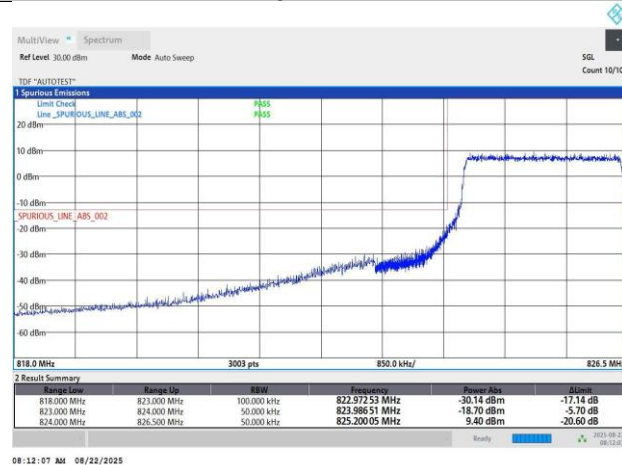
Band5-5MHz-QPSK-20625-12RB#13-PASS



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



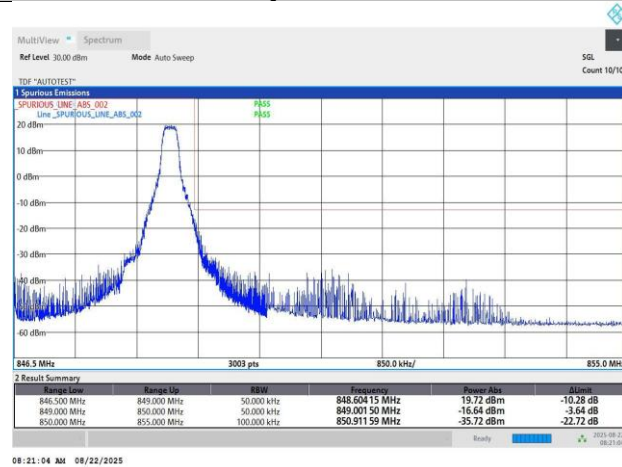
Band5-5MHz-16QAM-20425-1RB#0-PASS



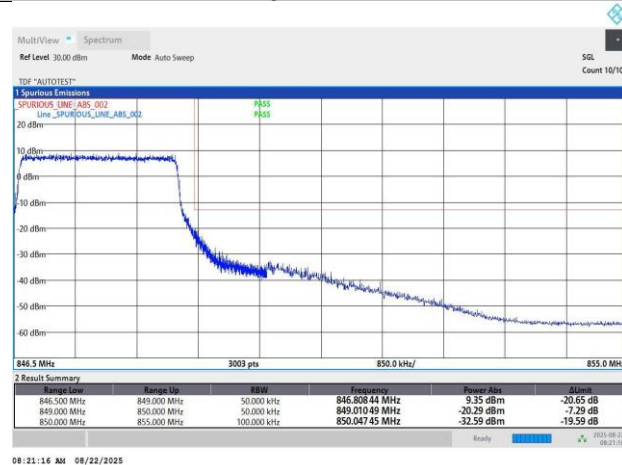
Band5-5MHz-16QAM-20425-12RB#0-PASS



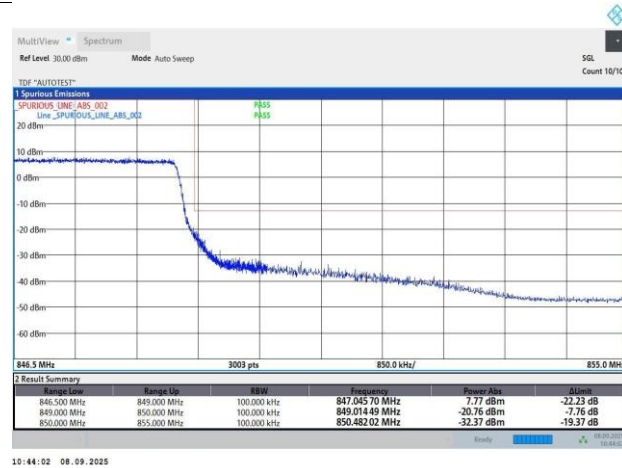
Band5-5MHz-16QAM-20425-25RB#0-PASS



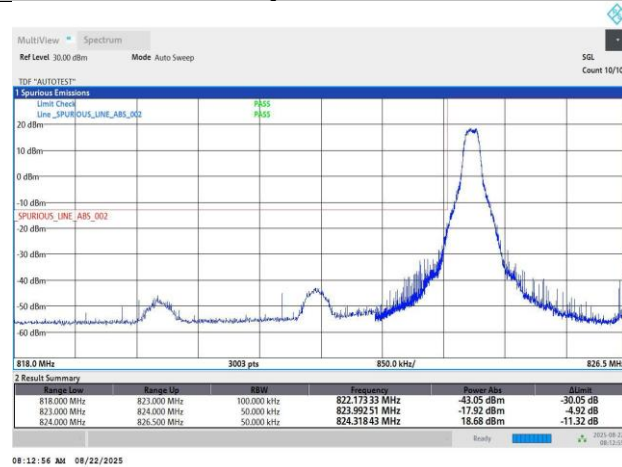
Band5-5MHz-16QAM-20625-1RB#24-PASS



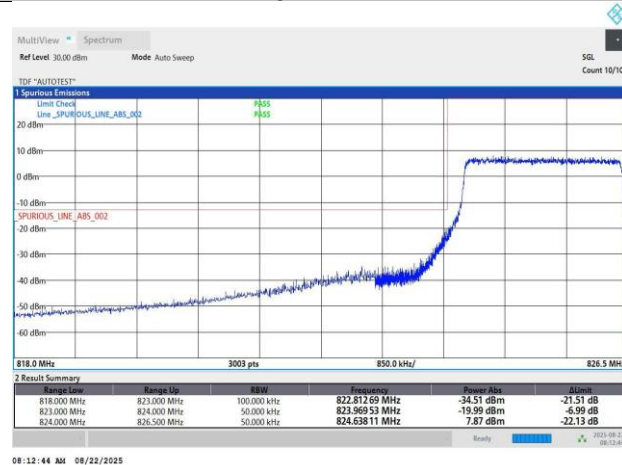
Band5-5MHz-16QAM-20625-12RB#13-PASS



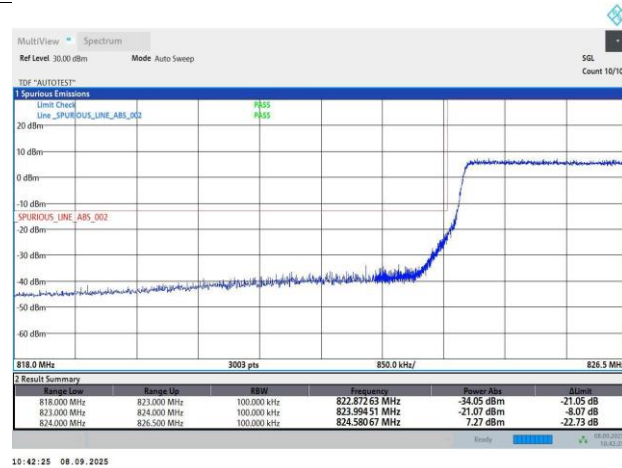
Band5-5MHz-16QAM-20625-25RB#0-PASS



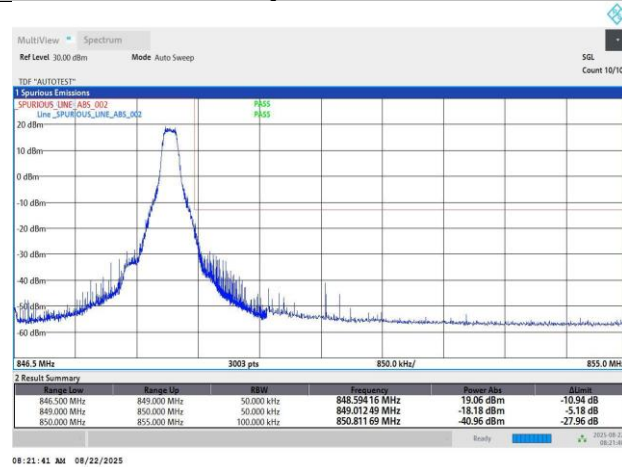
Band5-5MHz-64QAM-20425-1RB#0-PASS



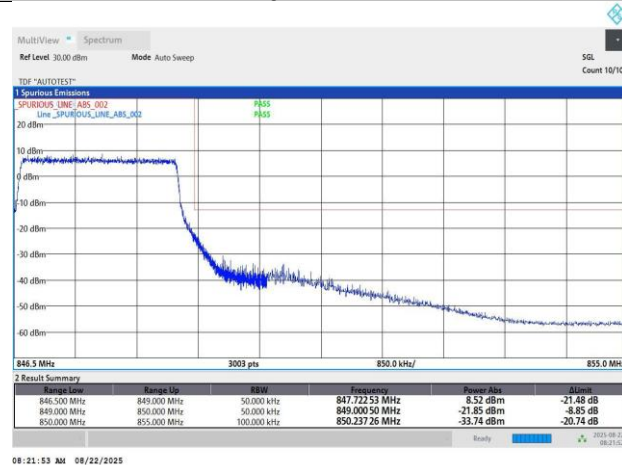
Band5-5MHz-64QAM-20425-12RB#0-PASS



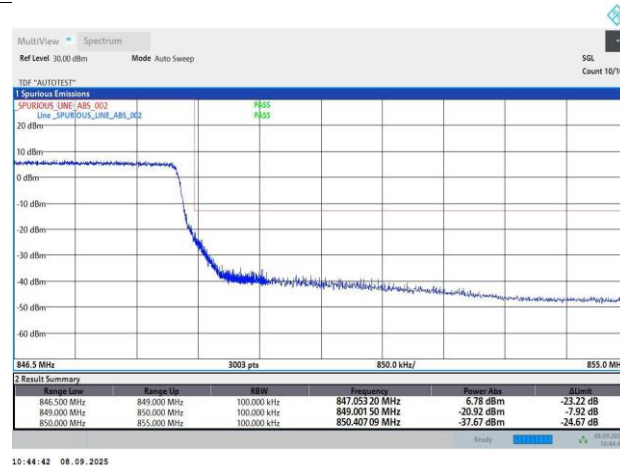
Band5-5MHz-64QAM-20425-25RB#0-PASS



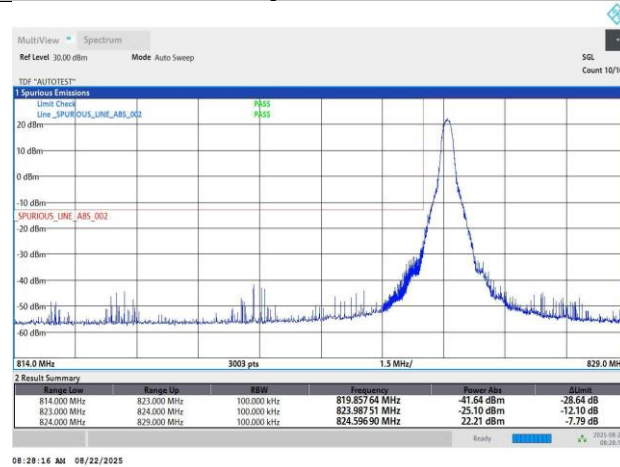
Band5-5MHz-64QAM-20625-1RB#24-PASS



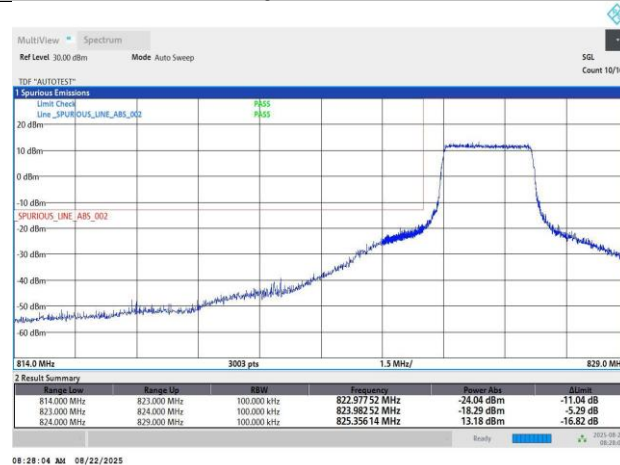
Band5-5MHz-64QAM-20625-12RB#13-PASS



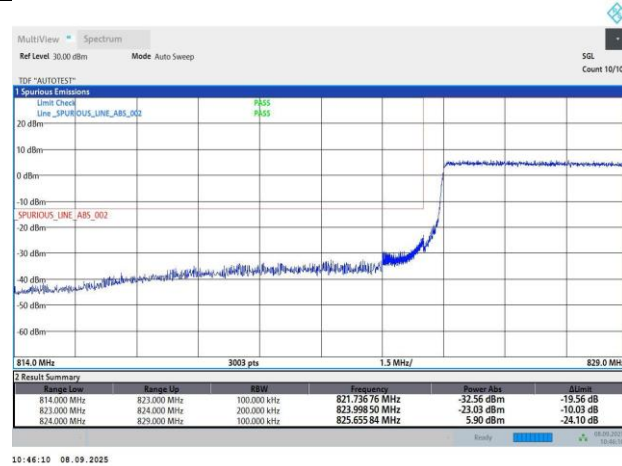
Band5-5MHz-64QAM-20625-25RB#0-PASS



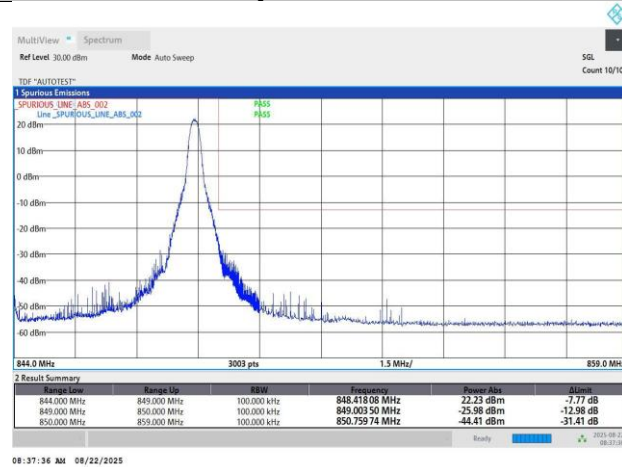
Band5-10MHz-QPSK-20450-1RB#0-PASS



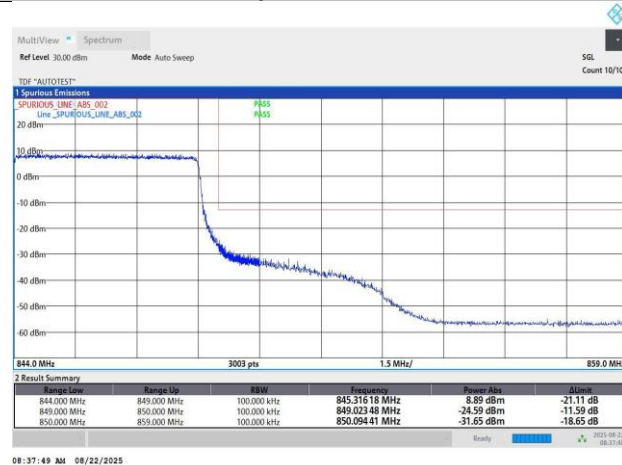
Band5-10MHz-QPSK-20450-25RB#0-PASS



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



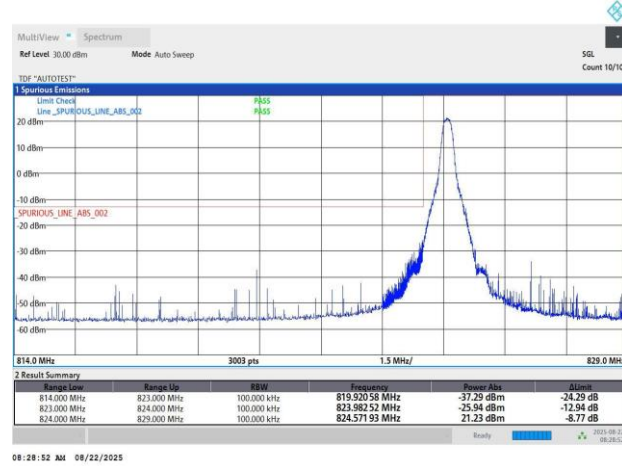
Band5-10MHz-QPSK-20600-1RB#49-PASS



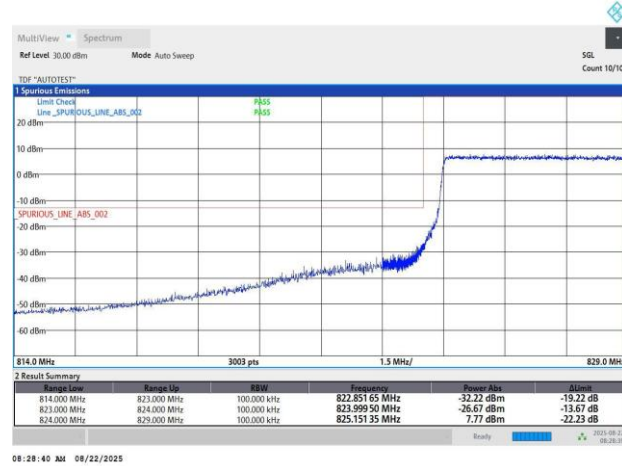
Band5-10MHz-QPSK-20600-25RB#25-PASS



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



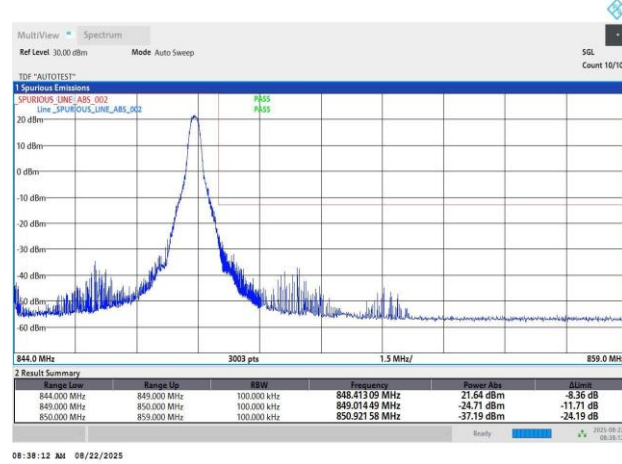
Band5-10MHz-16QAM-20450-1RB#0-PASS



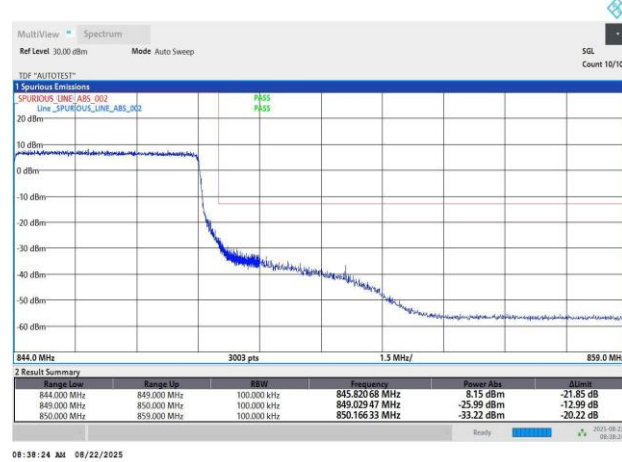
Band5-10MHz-16QAM-20450-25RB#0-PASS



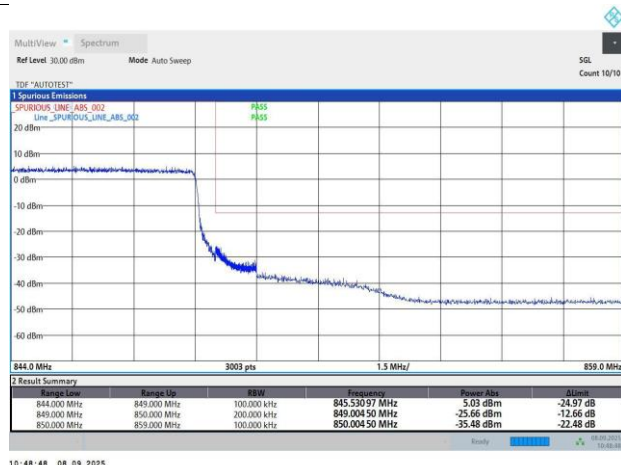
Band5-10MHz-16QAM-20450-50RB#0-PASS



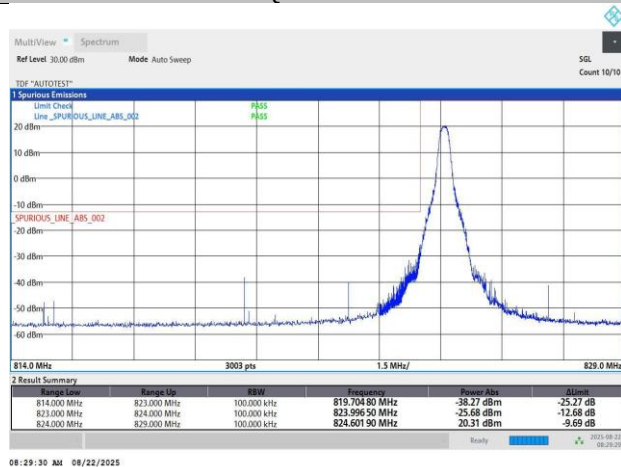
Band5-10MHz-16QAM-20600-1RB#49-PASS



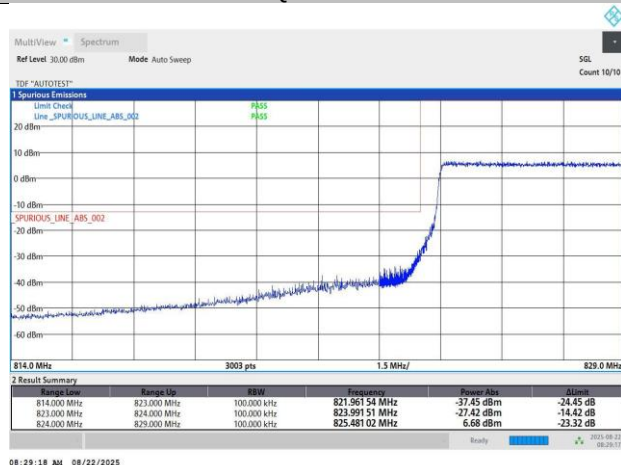
Band5-10MHz-16QAM-20600-25RB#25-PASS



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



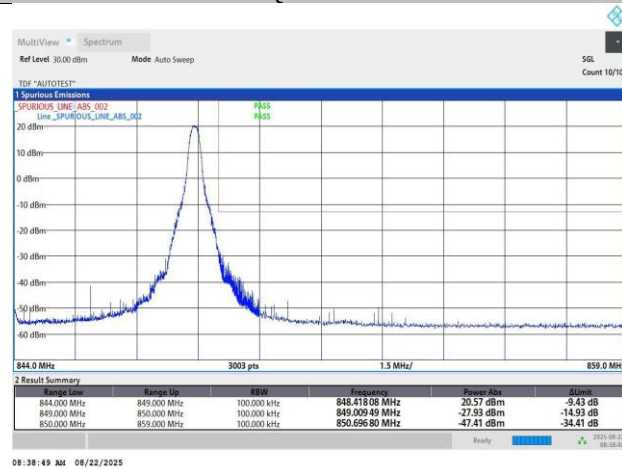
Band5-10MHz-64QAM-20450-1RB#0-PASS



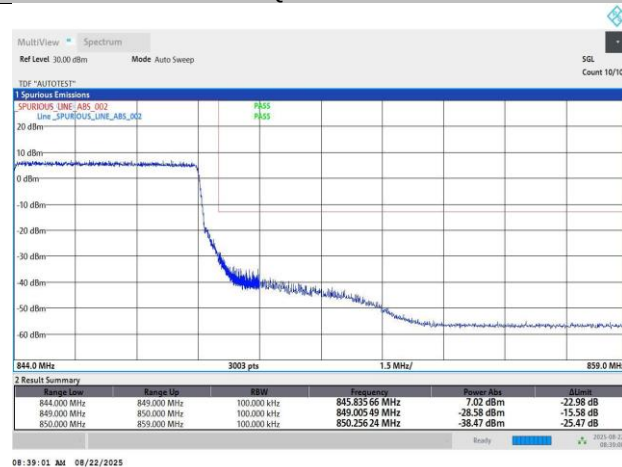
Band5-10MHz-64QAM-20450-25RB#0-PASS



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



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



Band5-10MHz-64QAM-20600-25RB#25-PASS



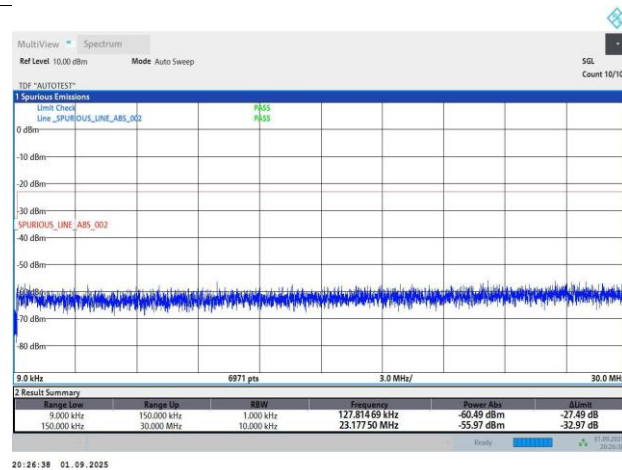
Band5-10MHz-64QAM-20600-50RB#0-PASS

5 Appendix E: Conducted Spurious Emission

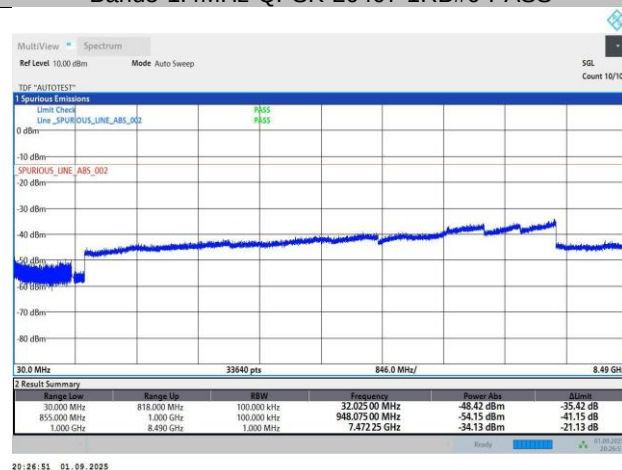
5.1 Test Result

Band	Channel bandwidth	Modulation	Channel	RB Configure	Result	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	See graph	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	See graph	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	See graph	PASS
Band5	3MHz	QPSK	20415	1RB#0	See graph	PASS
Band5	3MHz	QPSK	20525	1RB#0	See graph	PASS
Band5	3MHz	QPSK	20635	1RB#0	See graph	PASS
Band5	5MHz	QPSK	20425	1RB#0	See graph	PASS
Band5	5MHz	QPSK	20525	1RB#0	See graph	PASS
Band5	5MHz	QPSK	20625	1RB#0	See graph	PASS
Band5	10MHz	QPSK	20450	1RB#0	See graph	PASS
Band5	10MHz	QPSK	20525	1RB#0	See graph	PASS
Band5	10MHz	QPSK	20600	1RB#0	See graph	PASS

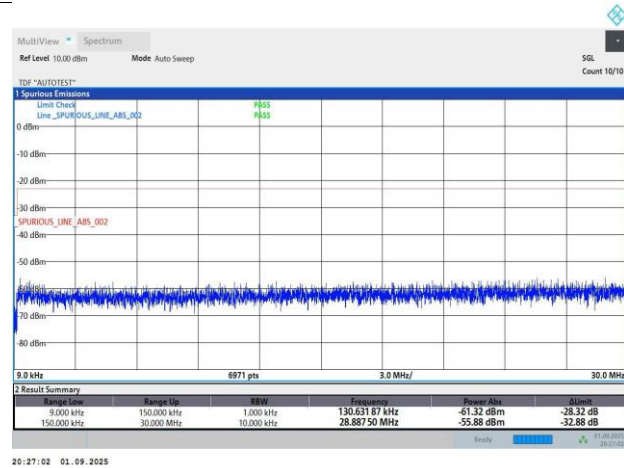
5.2 Test Plots



Band5-1.4MHz-QPSK-20407-1RB#0-PASS



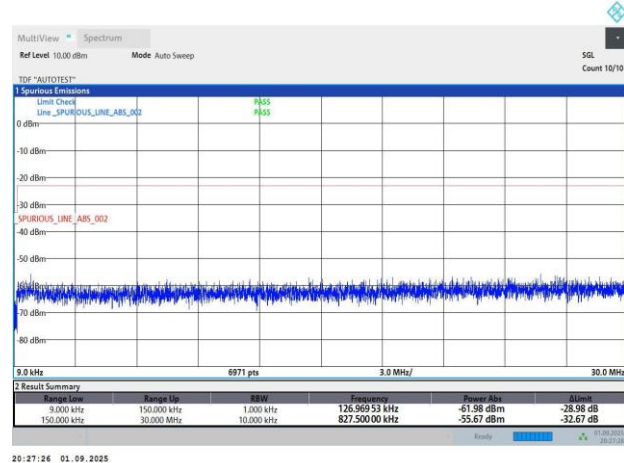
Band5-1.4MHz-QPSK-20407-1RB#0-PASS



Band5-1.4MHz-QPSK-20525-1RB#0-PASS



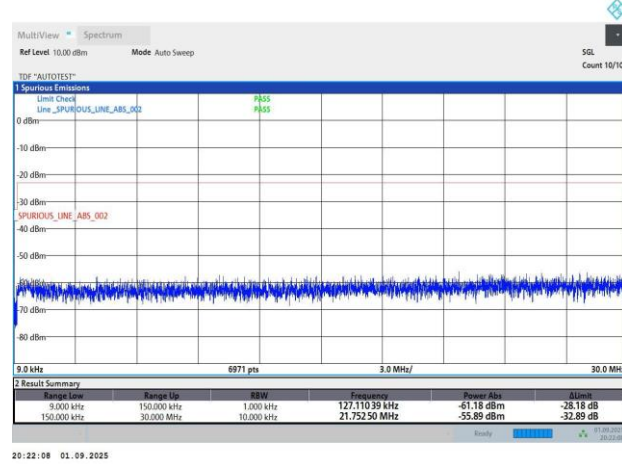
Band5-1.4MHz-QPSK-20525-1RB#0-PASS



Band5-1.4MHz-QPSK-20643-1RB#0-PASS



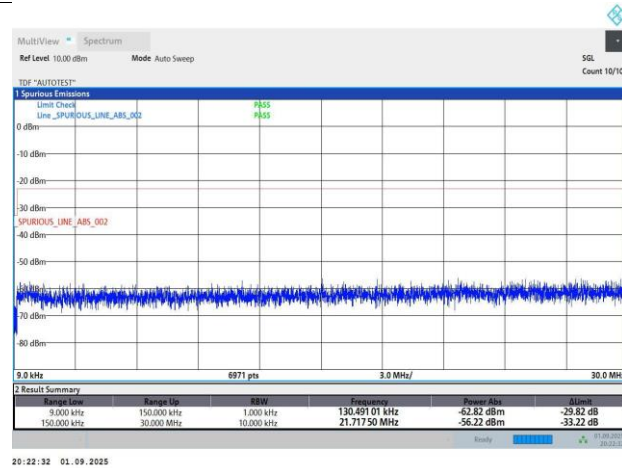
Band5-1.4MHz-QPSK-20643-1RB#0-PASS



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



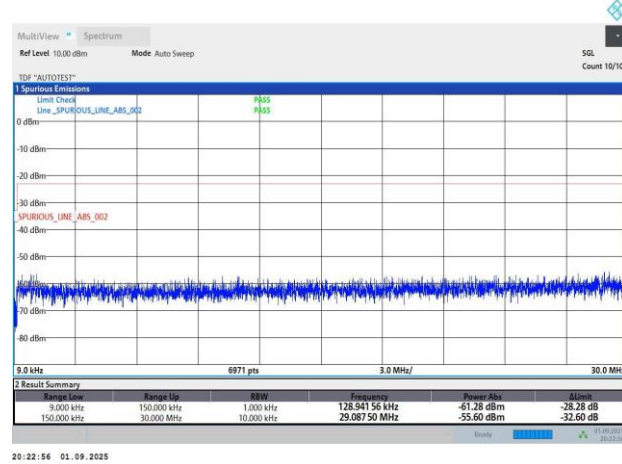
Band5-3MHz-QPSK-20415-1RB#0-PASS



Band5-3MHz-QPSK-20525-1RB#0-PASS



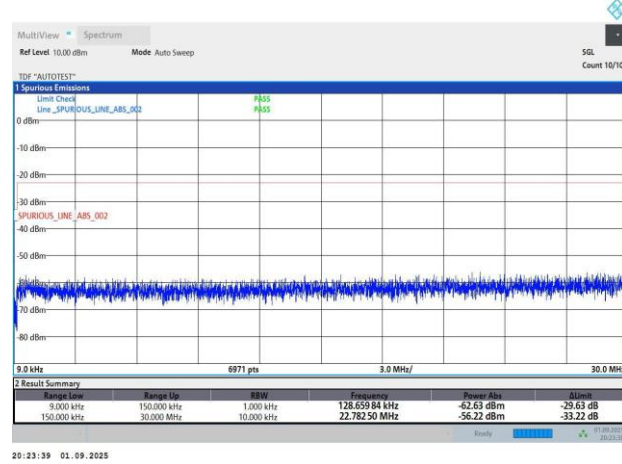
Band5-3MHz-QPSK-20525-1RB#0-PASS



Band5-3MHz-QPSK-20635-1RB#0-PASS



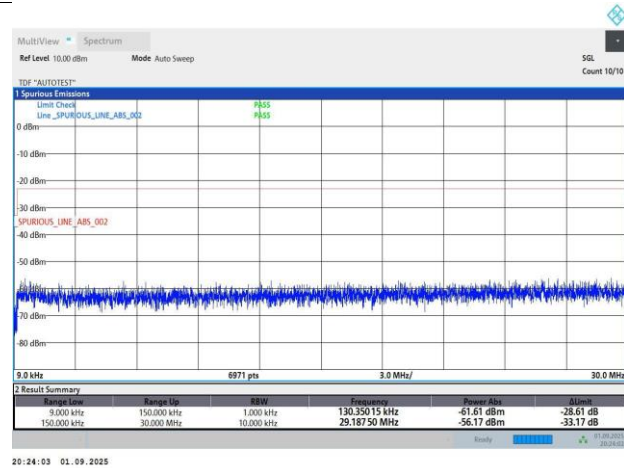
Band5-3MHz-QPSK-20635-1RB#0-PASS



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



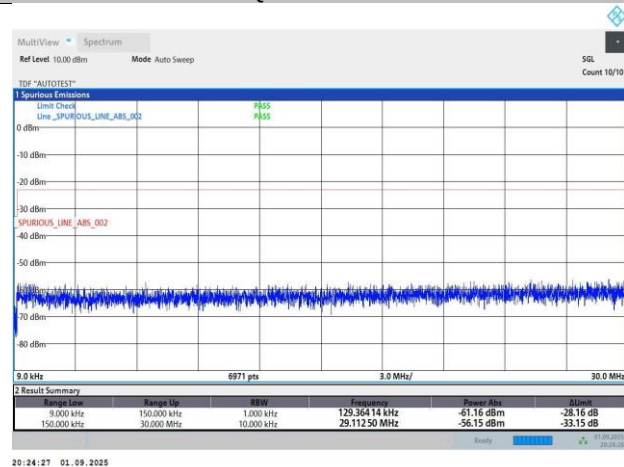
Band5-5MHz-QPSK-20425-1RB#0-PASS



Band5-5MHz-QPSK-20525-1RB#0-PASS



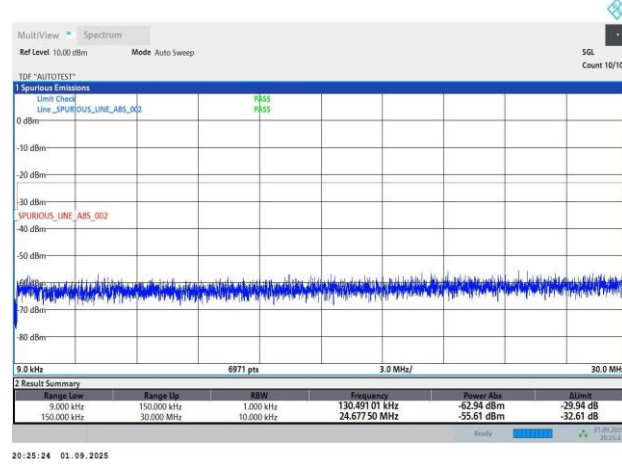
Band5-5MHz-QPSK-20525-1RB#0-PASS



Band5-5MHz-QPSK-20625-1RB#0-PASS



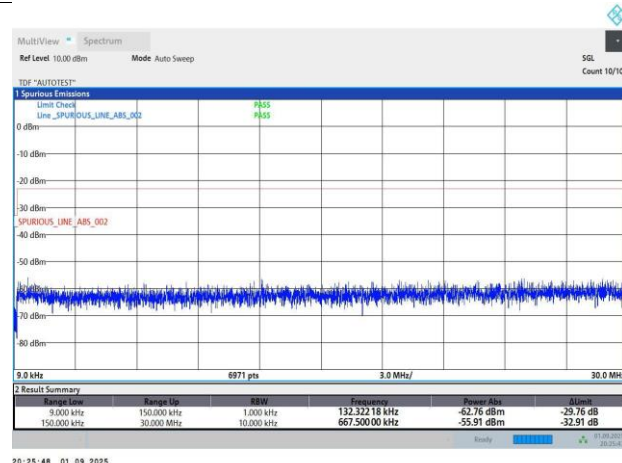
Band5-5MHz-QPSK-20625-1RB#0-PASS



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



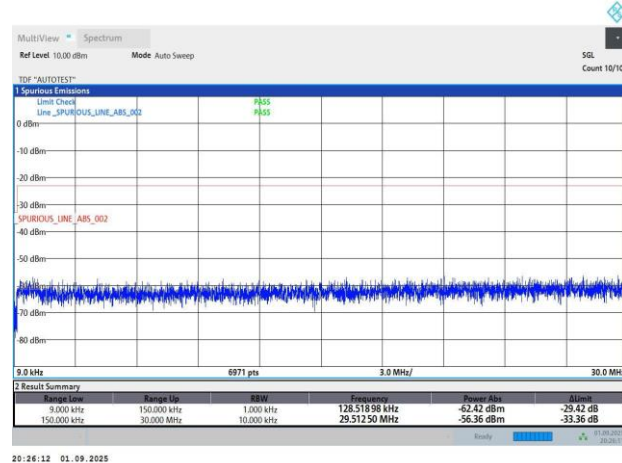
Band5-10MHz-QPSK-20450-1RB#0-PASS



Band5-10MHz-QPSK-20525-1RB#0-PASS



Band5-10MHz-QPSK-20525-1RB#0-PASS



Band5-10MHz-QPSK-20600-1RB#0-PASS



Band5-10MHz-QPSK-20600-1RB#0-PASS

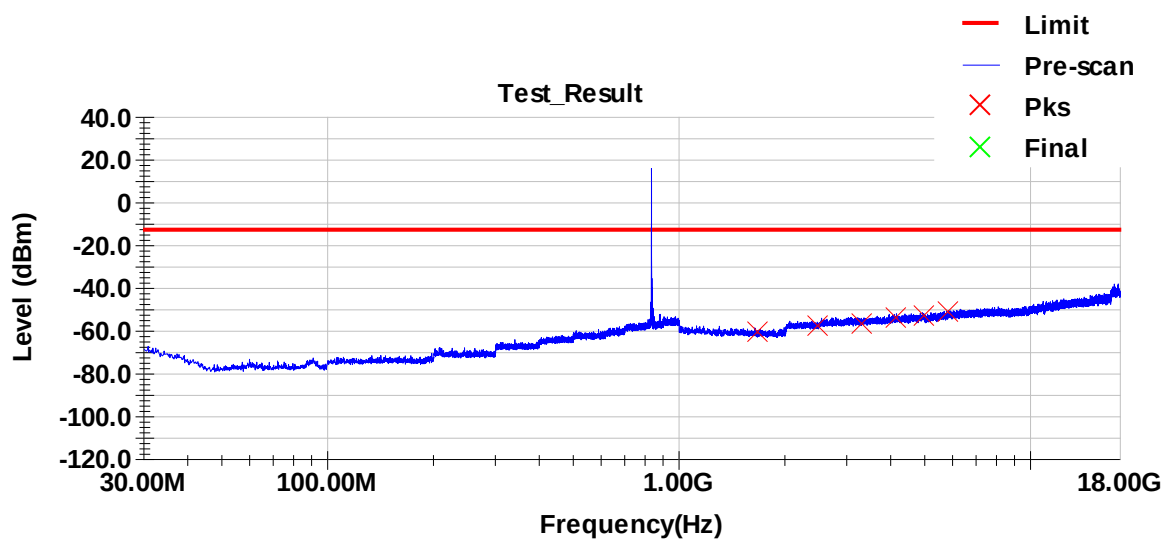
6 Appendix F: Radiated spurious emissions

Remark:

- The pre-tests cover all operation mode of EUT and the test reports show only the worst.
- If the margin is greater than 10dB, it is considered to meet the standard and no further test is conducted.
- The part of the graph that exceeds the limit is RF fundamental frequency and it should be excluded against the limits.

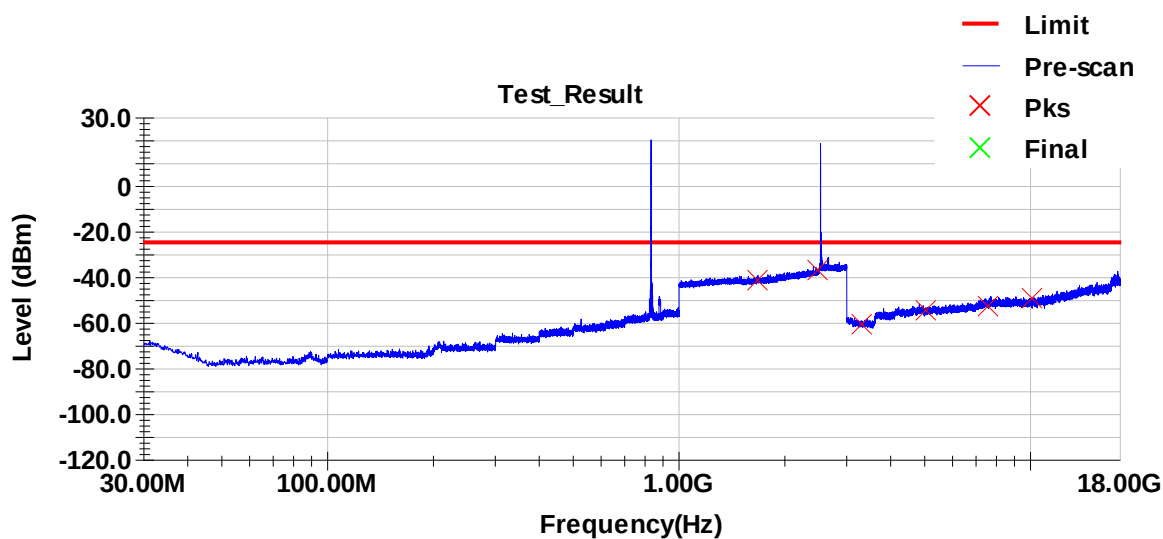
6.1 Test Result

The worst mode: LTE B5_LINK/ANT 31-BW5M-Mid-QPSK

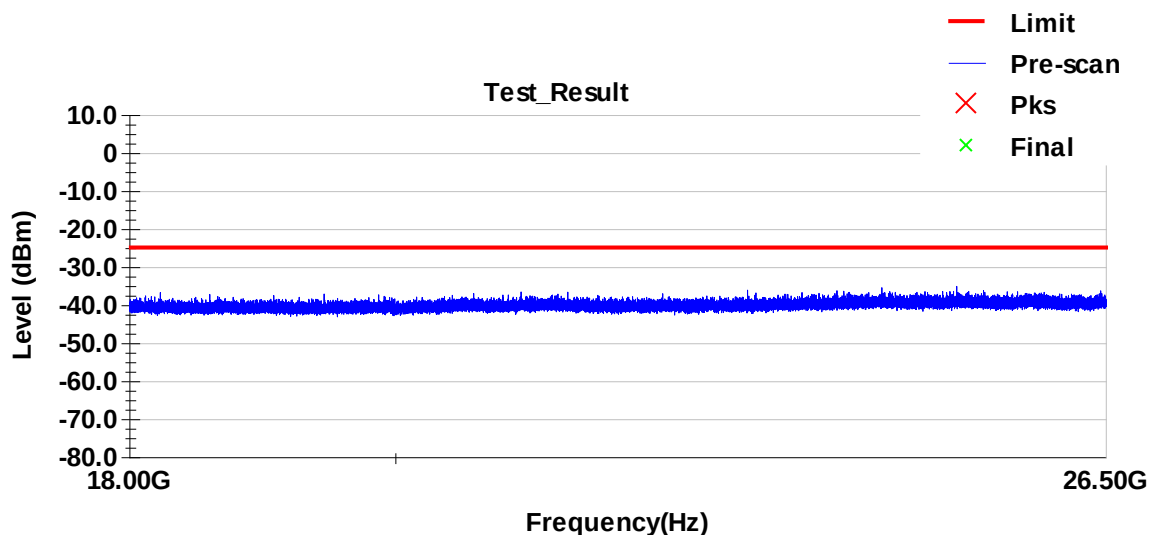


Frequency(MHz)	Measure Level(dBuV)	Factor	EIRP_CF	EIRP Result(dBm)	Limit(dBm)	Margin(dB)	Pol
1673.000	49.56	32.04	-95.200	-61.15	-13.00	48.15	V
2509.500	48.50	34.78	-95.200	-57.48	-13.00	44.48	V
3346.000	47.16	-8.64	-95.200	-56.68	-13.00	43.68	V
4182.500	48.36	-6.91	-95.200	-53.75	-13.00	40.75	V
5019.000	47.71	-5.69	-95.200	-53.18	-13.00	40.18	V
5855.500	47.49	-3.89	-95.200	-51.60	-13.00	38.60	V

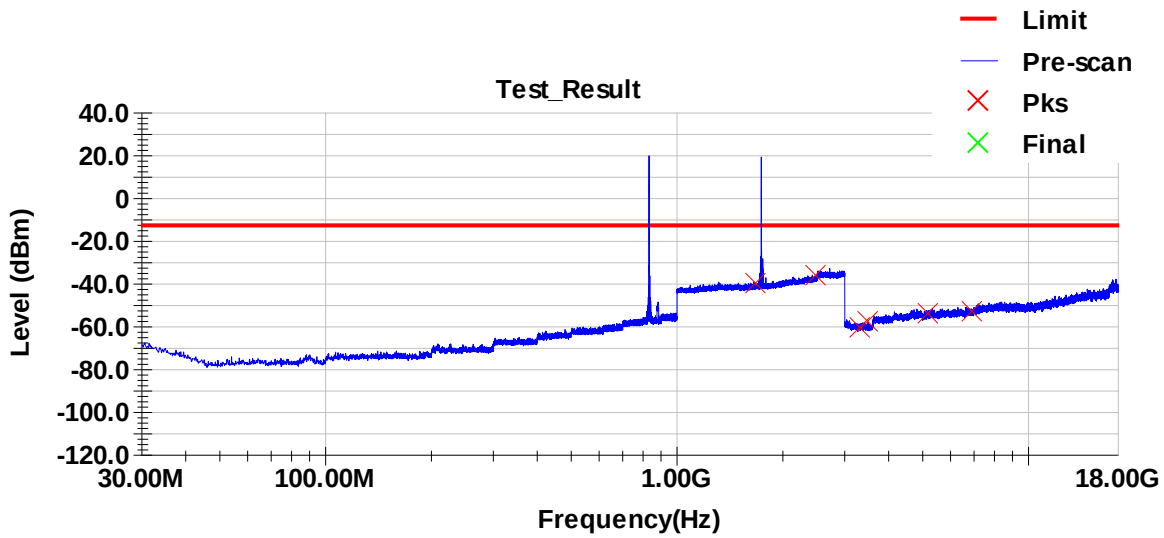
The worst mode: LTE CA_5A_7A_LINK/ANT 13-BW20M+20M-Mid-QPSK



Frequency(MHz)	Measure Level(dBuV)	Factor	EIRP_CF	EIRP Result(dBm)	Limit(dBm)	Margin(dB)	Pol
1673.000	21.30	32.04	-95.200	-41.86	-25.00	16.86	V
2509.500	23.44	34.78	-95.200	-36.93	-25.00	11.93	V
3346.000	47.93	-13.17	-95.200	-60.44	-25.00	35.44	V
5070.000	47.16	-6.33	-95.200	-54.37	-25.00	29.37	V
7605.000	45.09	-2.71	-95.200	-52.82	-25.00	27.82	V
10140.000	46.72	-0.63	-95.200	-49.40	-25.00	24.40	V



The worst mode: LTE CA_5A_66A_LINK/ANT 13-BW20M+20M-Mid-QPSK



Frequency(MHz)	Measure Level(dBuV)	Factor	EIRP_CF	EIRP Result(dBm)	Limit(dBm)	Margin(dB)	Pol
1673.000	22.76	32.04	-95.200	-40.40	-13.00	27.40	V
2509.500	24.38	34.78	-95.200	-35.99	-13.00	22.99	V
3346.000	48.17	-13.17	-95.200	-60.20	-13.00	47.20	V
3490.000	50.17	-13.00	-95.200	-58.04	-13.00	45.04	V
5235.000	46.94	-5.79	-95.200	-54.05	-13.00	41.05	V
6980.000	45.92	-4.11	-95.200	-53.39	-13.00	40.39	V

7 Appendix G: Frequency Stability

7.1 Test Result

Band	Channel bandwidth	Modulation	Channel	RB Configure	Voltage (Vdc)	Temperature (°C)	deviation (Hz)	deviation (ppm)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	NV	NT	-0.5	- 0.000603	PASS
Band5	10MHz	QPSK	20450	50RB#0	LV	NT	-0.6	- 0.000724	PASS
Band5	10MHz	QPSK	20450	50RB#0	HV	NT	-1.8	- 0.002171	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	NT	-1.7	- 0.002032	PASS
Band5	10MHz	QPSK	20525	50RB#0	LV	NT	0.7	- 0.000837	PASS
Band5	10MHz	QPSK	20525	50RB#0	HV	NT	-3.4	- 0.004065	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	NT	0.5	- 0.000592	PASS
Band5	10MHz	QPSK	20600	50RB#0	LV	NT	-0.5	- 0.000592	PASS
Band5	10MHz	QPSK	20600	50RB#0	HV	NT	-1.2	- 0.001422	PASS

Band	Channel bandwidth	Modulation	Channel	RB Configure	Voltage (Vdc)	Temperature (°C)	deviation (Hz)	deviation (ppm)	Verdict
Band 5	10MHz	QPSK	20450	50RB#0	NV	-30	-2.9	- 0.003498	PASS
Band 5	10MHz	QPSK	20450	50RB#0	NV	-20	-2.6	- 0.003136	PASS
Band 5	10MHz	QPSK	20450	50RB#0	NV	-10	-1.7	- 0.002051	PASS
Band 5	10MHz	QPSK	20450	50RB#0	NV	0	-3.1	- 0.003739	PASS
Band 5	10MHz	QPSK	20450	50RB#0	NV	10	-1.8	- 0.002171	PASS
Band 5	10MHz	QPSK	20450	50RB#0	NV	20	-1.6	- 0.001930	PASS
Band 5	10MHz	QPSK	20450	50RB#0	NV	30	0.9	- 0.001086	PASS
Band 5	10MHz	QPSK	20450	50RB#0	NV	40	-0.3	- 0.000362	PASS
Band 5	10MHz	QPSK	20450	50RB#0	NV	50	0.1	- 0.000121	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	-30	0.8	- 0.000956	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	-20	2.7	- 0.003228	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	-10	0.1	- 0.000120	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	0	0.6	- 0.000717	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	10	1.1	- 0.001315	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	20	-0.8	- 0.000956	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	30	-1.0	- 0.001195	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	40	-0.9	- 0.001076	PASS
Band 5	10MHz	QPSK	20525	50RB#0	NV	50	-0.5	- 0.000598	PASS
Band 5	10MHz	QPSK	20600	50RB#0	NV	-30	-1.8	- 0.002133	PASS
Band 5	10MHz	QPSK	20600	50RB#0	NV	-20	-3.4	- 0.004028	PASS
Band 5	10MHz	QPSK	20600	50RB#0	NV	-10	-1.0	- 0.001185	PASS

Band 5	10MHz	QPSK	20600	50RB#0	NV	0	-1.4	- 0.001659	PASS
Band 5	10MHz	QPSK	20600	50RB#0	NV	10	-1.1	- 0.001303	PASS
Band 5	10MHz	QPSK	20600	50RB#0	NV	20	-0.9	- 0.001066	PASS
Band 5	10MHz	QPSK	20600	50RB#0	NV	30	-0.7	- 0.000829	PASS
Band 5	10MHz	QPSK	20600	50RB#0	NV	40	-1.5	- 0.001777	PASS
Band 5	10MHz	QPSK	20600	50RB#0	NV	50	0.7	0.000829	PASS

END