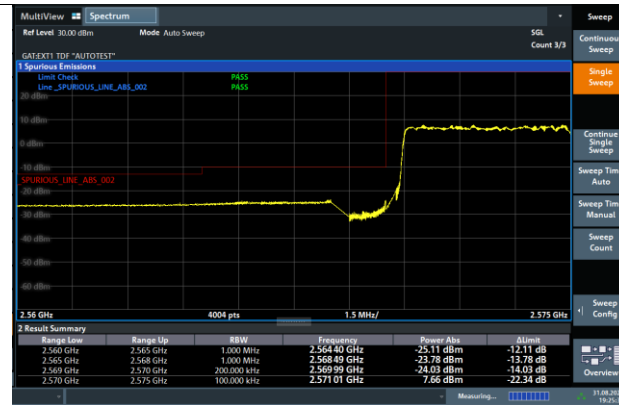
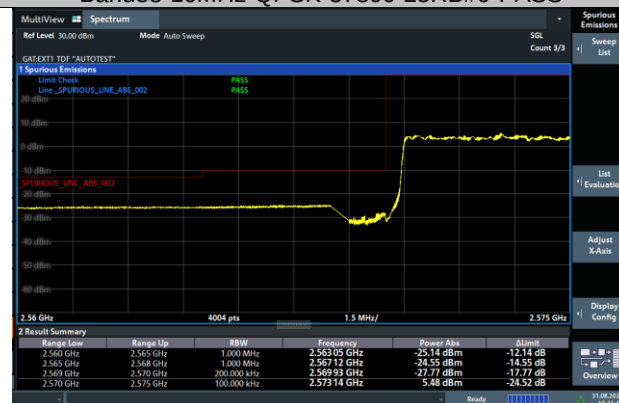
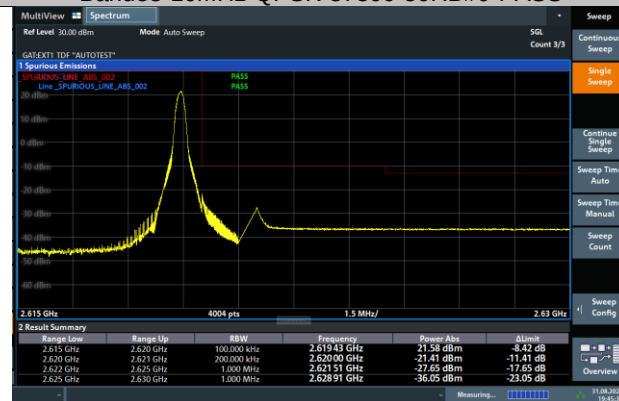




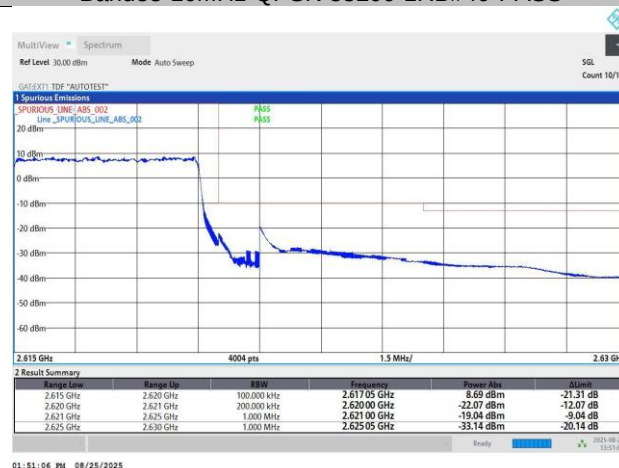
Band38-10MHz-QPSK-37800-25RB#0-PASS



Band38-10MHz-QPSK-37800-50RB#0-PASS



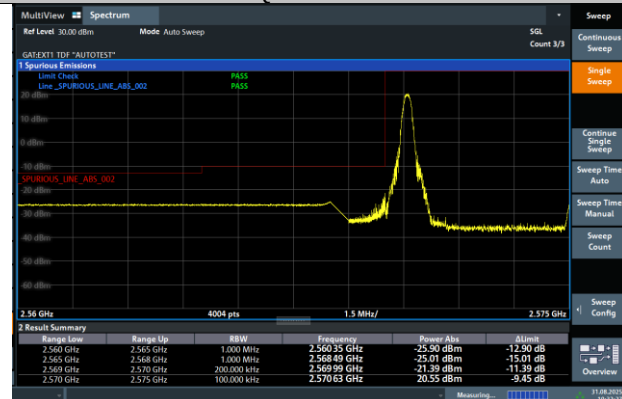
Band38-10MHz-QPSK-38200-1RB#49-PASS



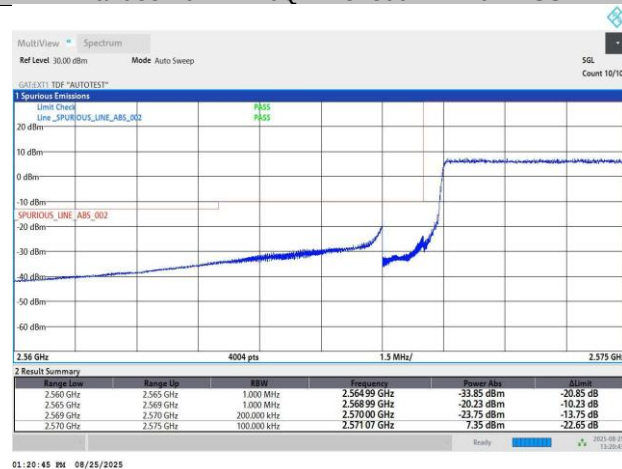
Band38-10MHz-QPSK-38200-25RB#25-PASS



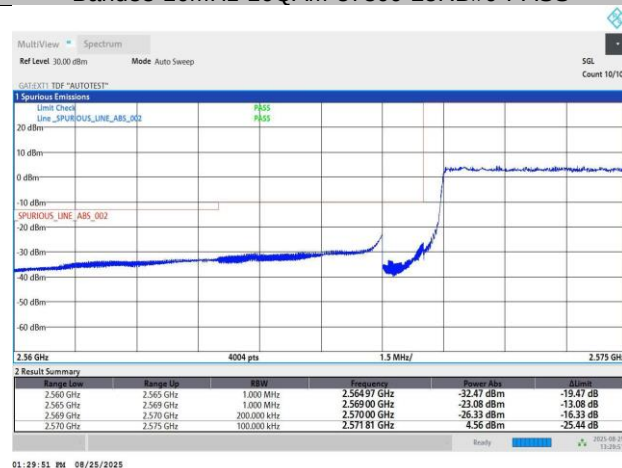
Band38-10MHz-QPSK-38200-50RB#0-PASS



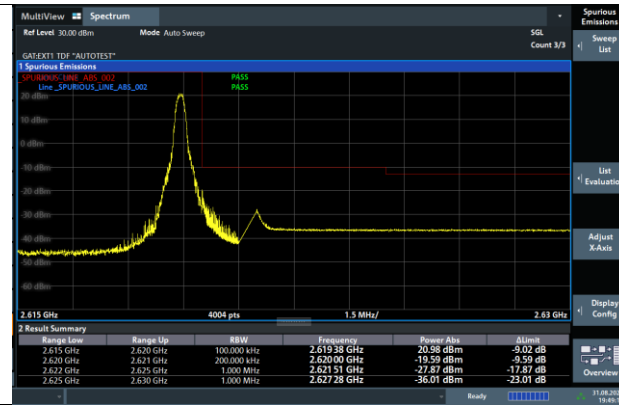
Band38-10MHz-16QAM-37800-1RB#0-PASS



Band38-10MHz-16QAM-37800-25RB#0-PASS



Band38-10MHz-16QAM-37800-50RB#0-PASS



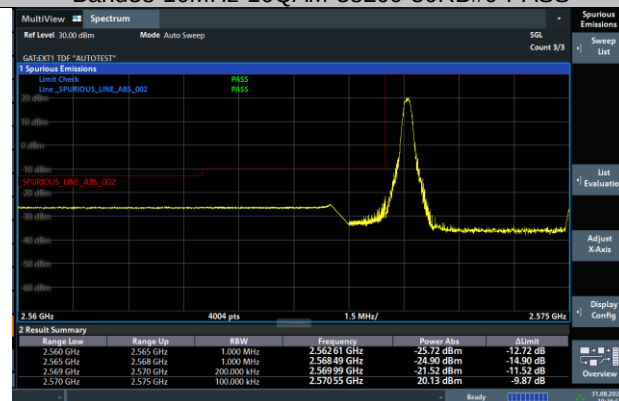
Band38-10MHz-16QAM-38200-1RB#49-PASS



Band38-10MHz-16QAM-38200-25RB#25-PASS



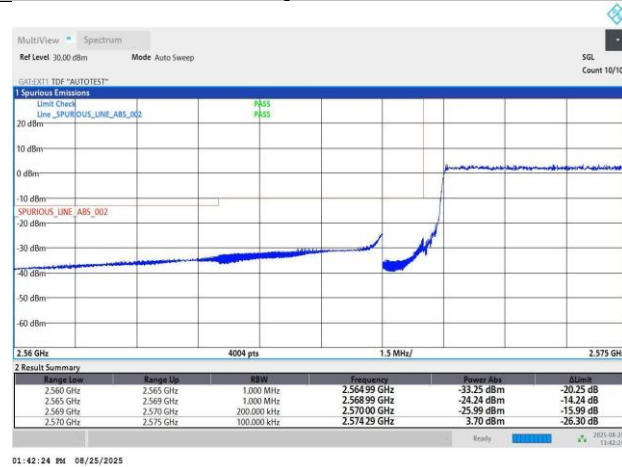
Band38-10MHz-16QAM-38200-50RB#0-PASS



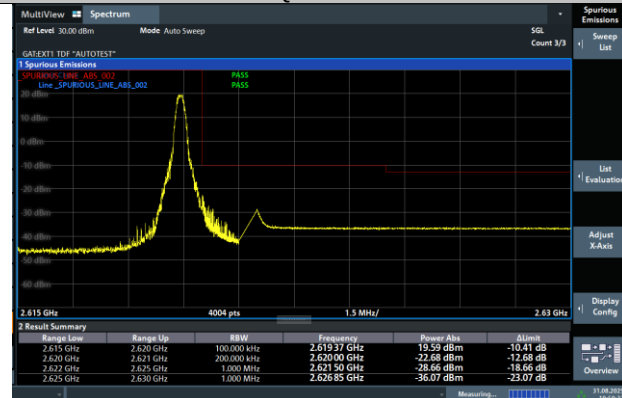
Band38-10MHz-64QAM-37800-1RB#0-PASS



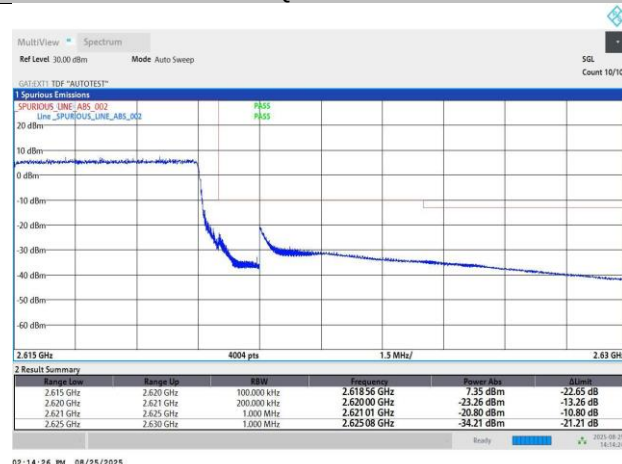
Band38-10MHz-64QAM-37800-25RB#0-PASS



Band38-10MHz-64QAM-37800-50RB#0-PASS



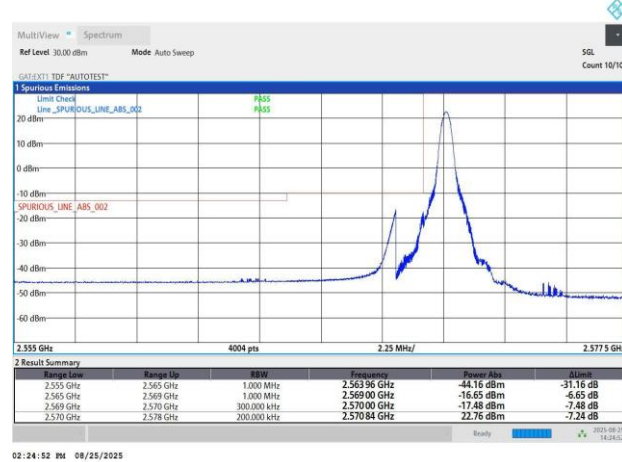
Band38-10MHz-64QAM-38200-1RB#49-PASS



Band38-10MHz-64QAM-38200-25RB#25-PASS



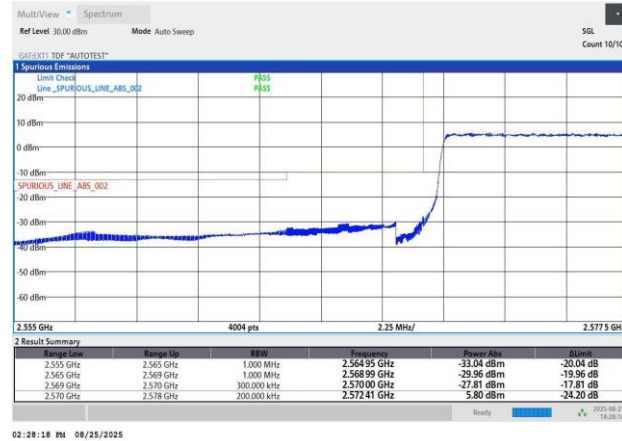
Band38-10MHz-64QAM-38200-50RB#0-PASS



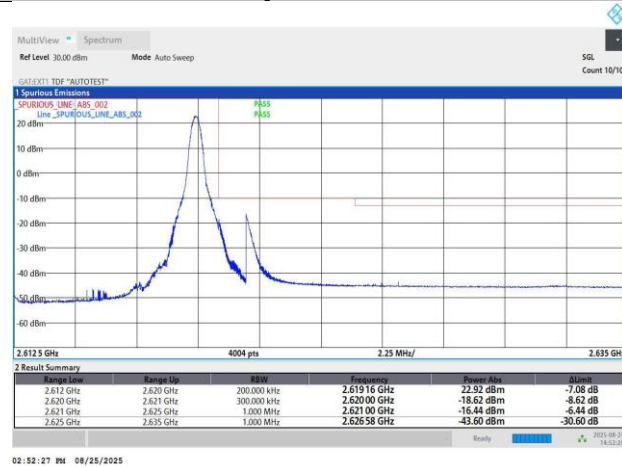
Band38-15MHz-QPSK-37825-1RB#0-PASS



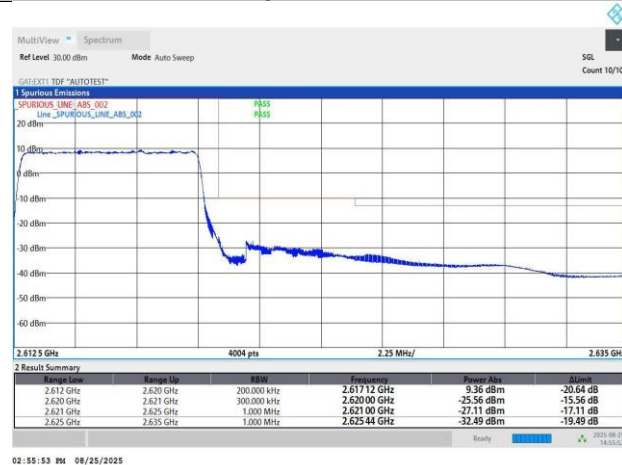
Band38-15MHz-QPSK-37825-36RB#0-PASS



Band38-15MHz-QPSK-37825-75RB#0-PASS



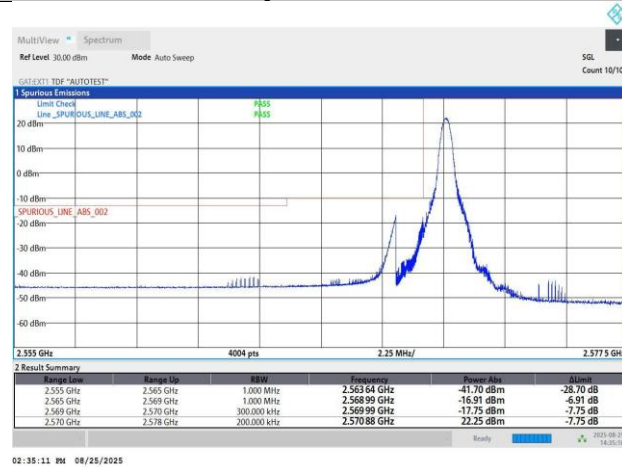
Band38-15MHz-QPSK-38175-1RB#74-PASS



Band38-15MHz-QPSK-38175-36RB#39-PASS



Band38-15MHz-QPSK-38175-75RB#0-PASS



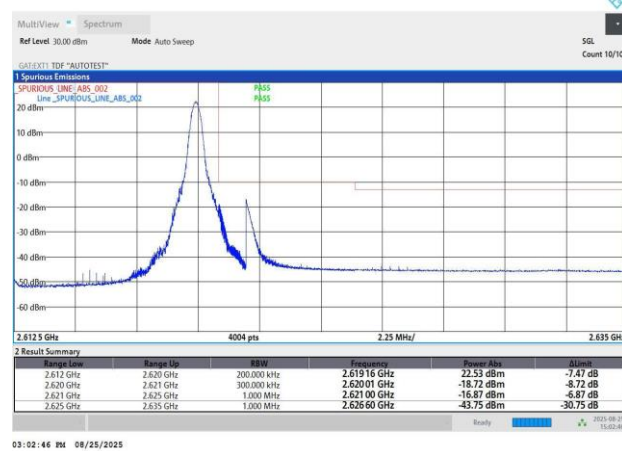
Band38-15MHz-16QAM-37825-1RB#0-PASS



Band38-15MHz-16QAM-37825-36RB#0-PASS



Band38-15MHz-16QAM-37825-75RB#0-PASS



Band38-15MHz-16QAM-38175-1RB#74-PASS



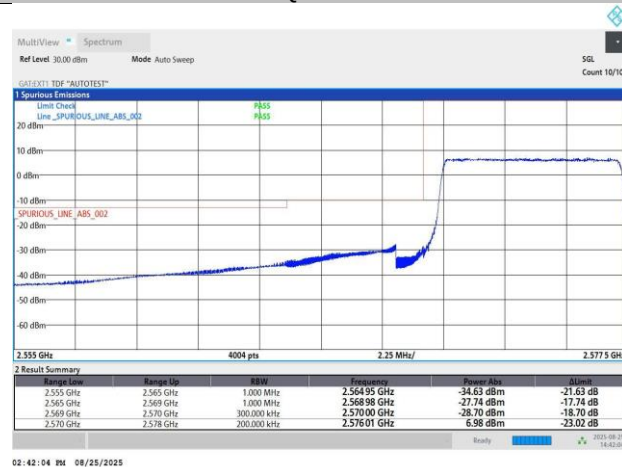
Band38-15MHz-16QAM-38175-36RB#39-PASS



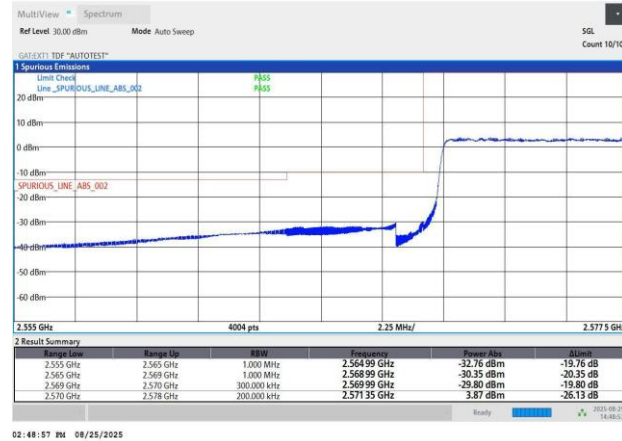
Band38-15MHz-16QAM-38175-75RB#0-PASS



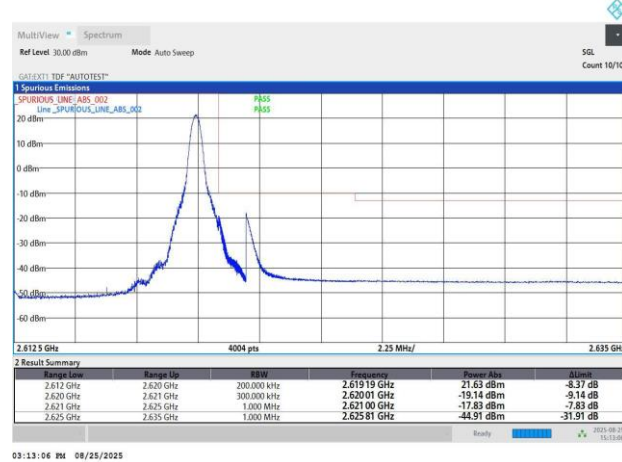
Band38-15MHz-64QAM-37825-1RB#0-PASS



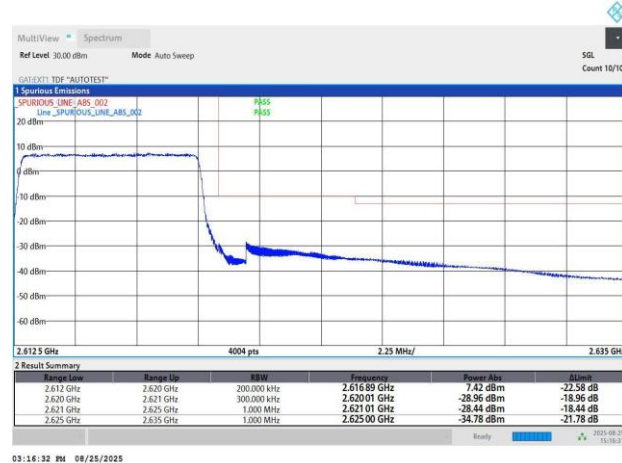
Band38-15MHz-64QAM-37825-36RB#0-PASS



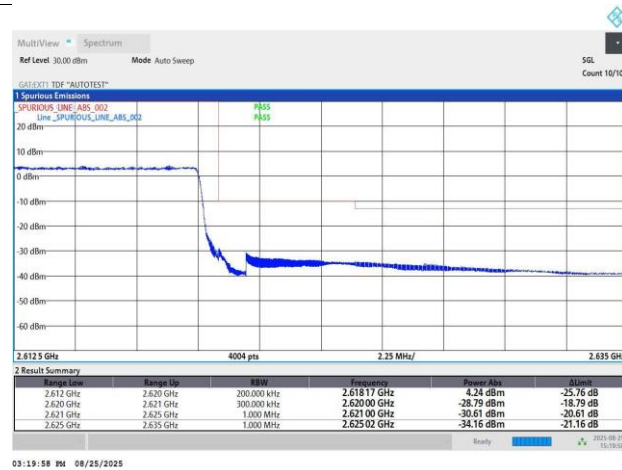
Band38-15MHz-64QAM-37825-75RB#0-PASS



Band38-15MHz-64QAM-38175-1RB#74-PASS



Band38-15MHz-64QAM-38175-36RB#39-PASS



Band38-15MHz-64QAM-38175-75RB#0-PASS



Band38-20MHz-QPSK-37850-1RB#0-PASS



Band38-20MHz-QPSK-37850-50RB#0-PASS



Band38-20MHz-QPSK-37850-100RB#0-PASS



Band38-20MHz-QPSK-38150-1RB#99-PASS



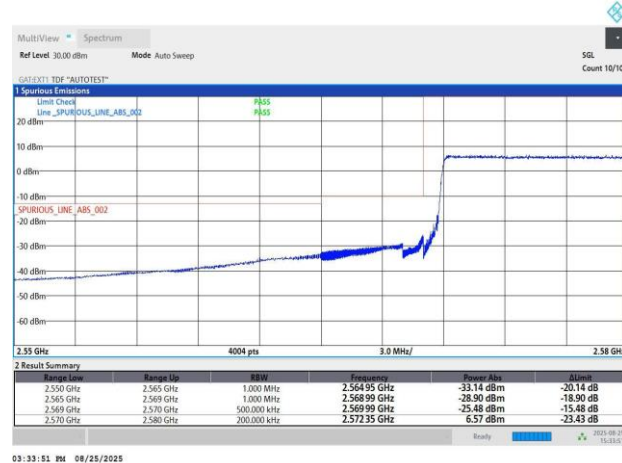
Band38-20MHz-QPSK-38150-50RB#50-PASS



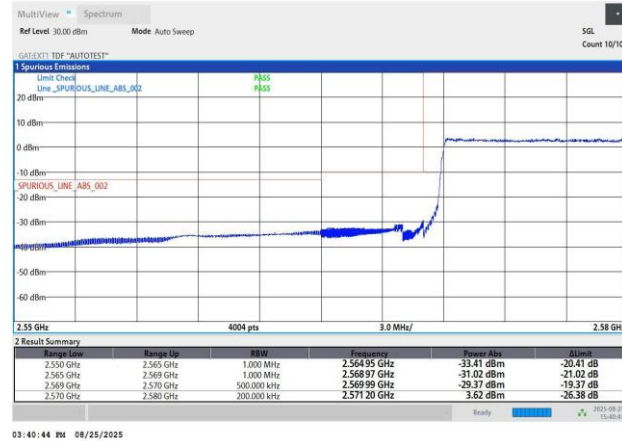
Band38-20MHz-QPSK-38150-100RB#0-PASS



Band38-20MHz-16QAM-37850-1RB#0-PASS



Band38-20MHz-16QAM-37850-50RB#0-PASS



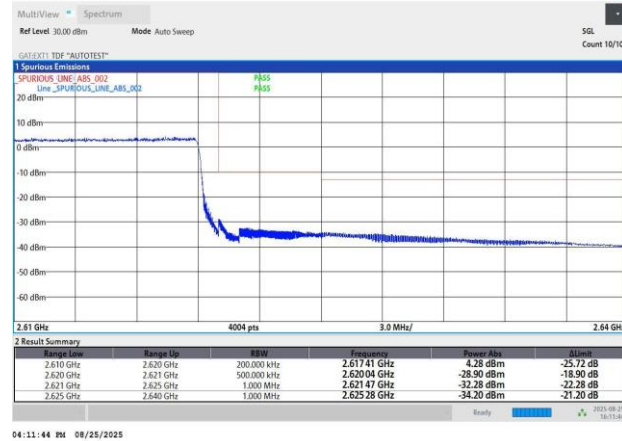
Band38-20MHz-16QAM-37850-100RB#0-PASS



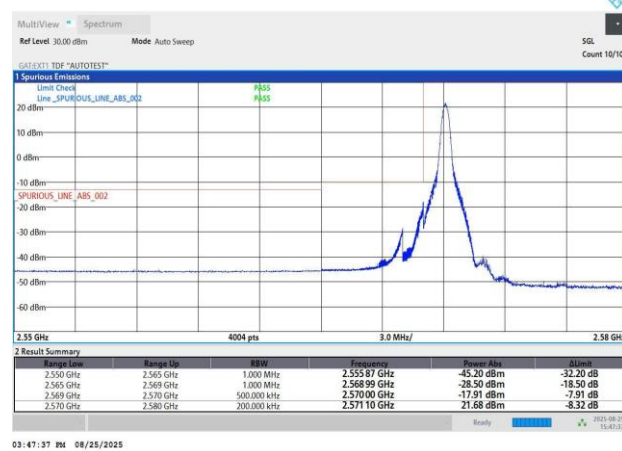
Band38-20MHz-16QAM-38150-1RB#99-PASS



Band38-20MHz-16QAM-38150-50RB#50-PASS



Band38-20MHz-16QAM-38150-100RB#0-PASS



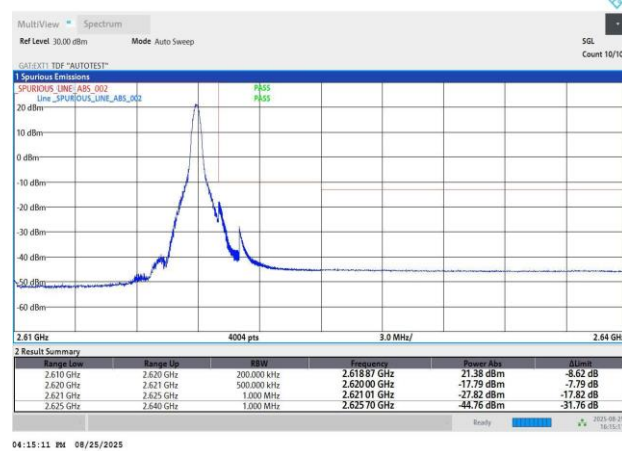
Band38-20MHz-64QAM-37850-1RB#0-PASS



Band38-20MHz-64QAM-37850-50RB#0-PASS



Band38-20MHz-64QAM-37850-100RB#0-PASS



Band38-20MHz-64QAM-38150-1RB#99-PASS



Band38-20MHz-64QAM-38150-50RB#50-PASS



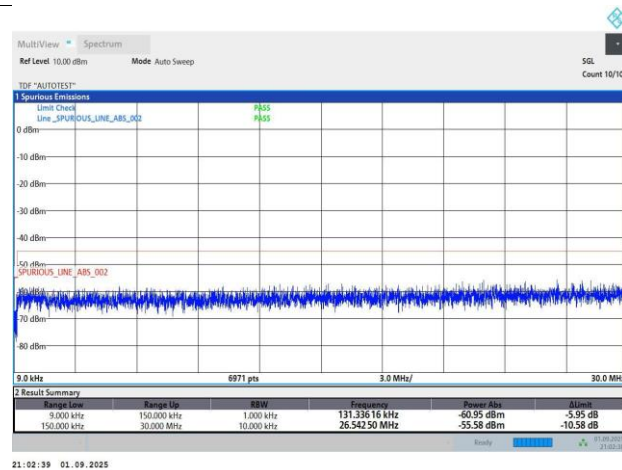
Band38-20MHz-64QAM-38150-100RB#0-PASS

5 Appendix E: Conducted Spurious Emission

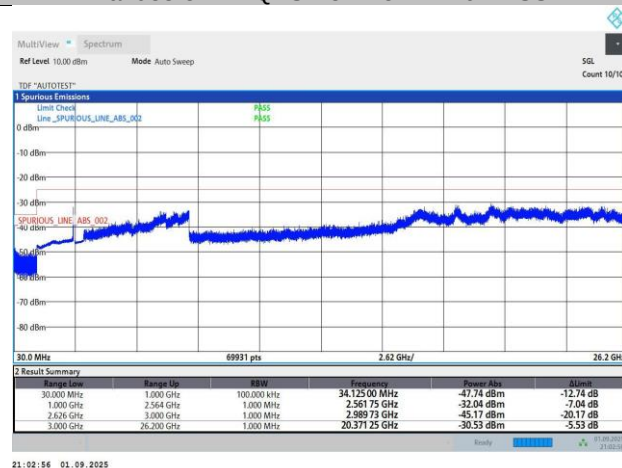
5.1 Test Result

Band	Channel bandwidth	Modulation	Channel	RB Configure	Result	Verdict
Band38	5MHz	QPSK	37775	1RB#0	See graph	PASS
Band38	5MHz	QPSK	38000	1RB#0	See graph	PASS
Band38	5MHz	QPSK	38225	1RB#0	See graph	PASS
Band38	10MHz	QPSK	37800	1RB#0	See graph	PASS
Band38	10MHz	QPSK	38200	1RB#0	See graph	PASS
Band38	15MHz	QPSK	37825	1RB#0	See graph	PASS
Band38	15MHz	QPSK	38000	1RB#0	See graph	PASS
Band38	15MHz	QPSK	38175	1RB#0	See graph	PASS
Band38	20MHz	QPSK	37850	1RB#0	See graph	PASS
Band38	20MHz	QPSK	38000	1RB#0	See graph	PASS
Band38	20MHz	QPSK	38150	1RB#0	See graph	PASS

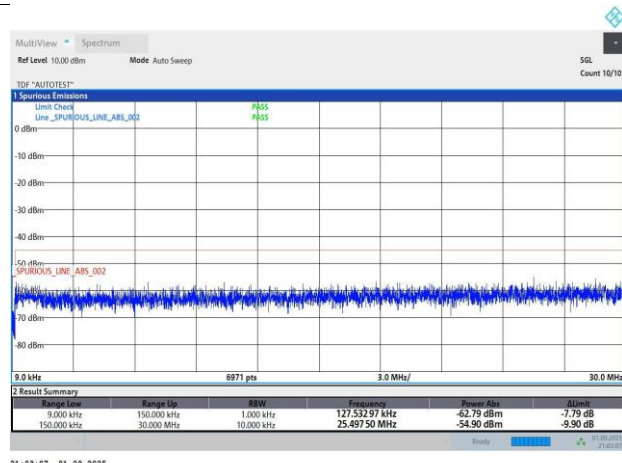
5.2 Test Plots



Band38-5MHz-QPSK-37775-1RB#0-PASS



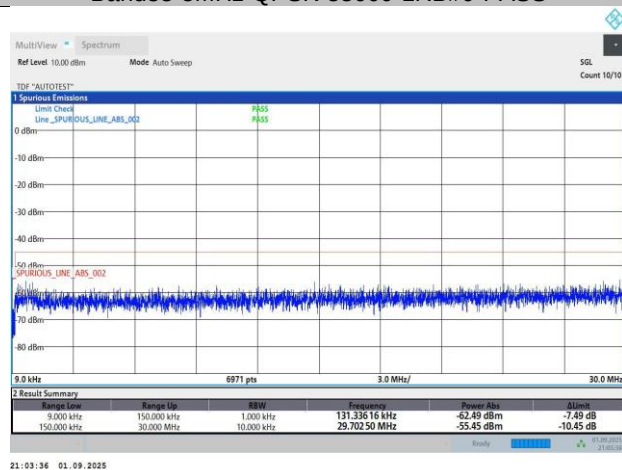
Band38-5MHz-QPSK-37775-1RB#0-PASS



Band38-5MHz-QPSK-38000-1RB#0-PASS



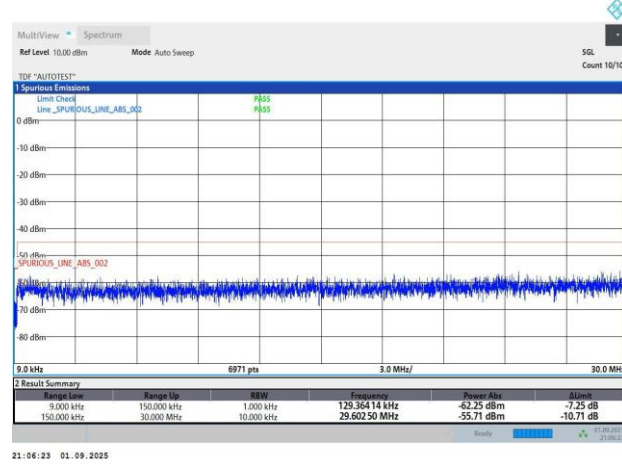
Band38-5MHz-QPSK-38000-1RB#0-PASS



Band38-5MHz-QPSK-38225-1RB#0-PASS



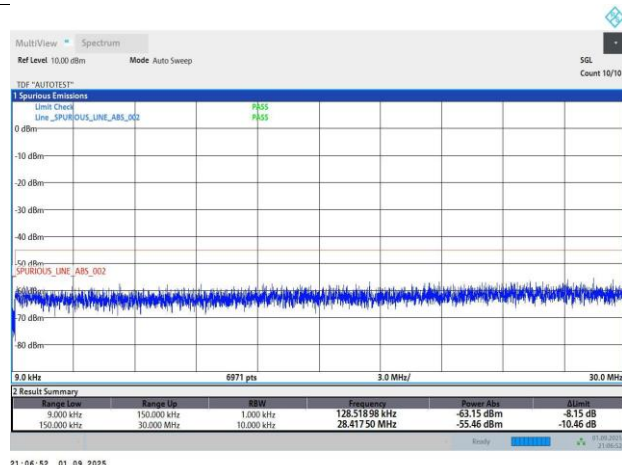
Band38-5MHz-QPSK-38225-1RB#0-PASS



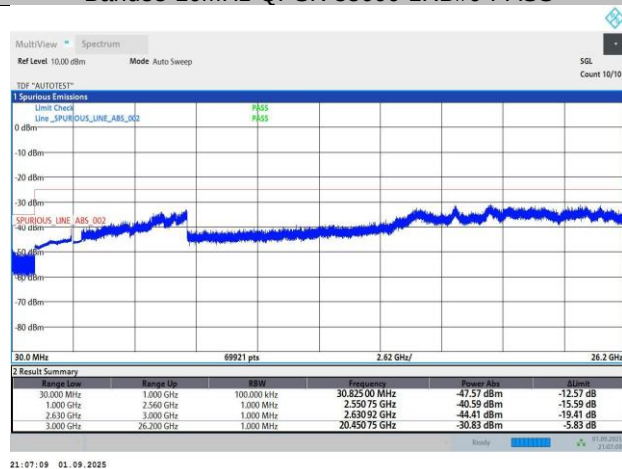
Band38-10MHz-QPSK-37800-1RB#0-PASS



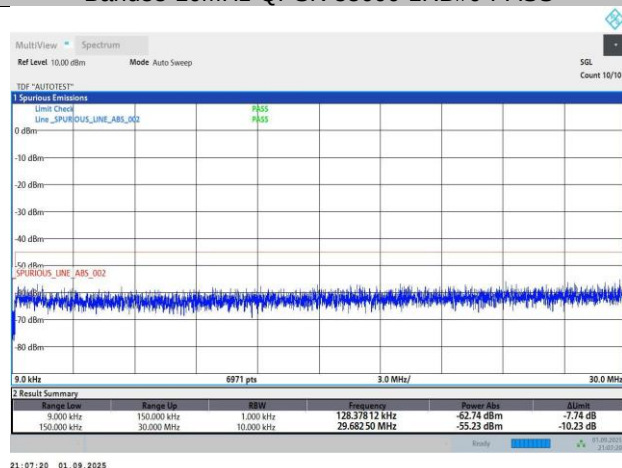
Band38-10MHz-QPSK-37800-1RB#0-PASS



Band38-10MHz-QPSK-38000-1RB#0-PASS



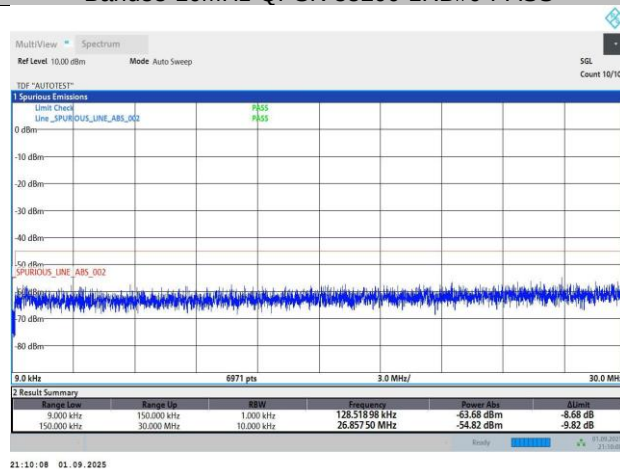
Band38-10MHz-QPSK-38000-1RB#0-PASS



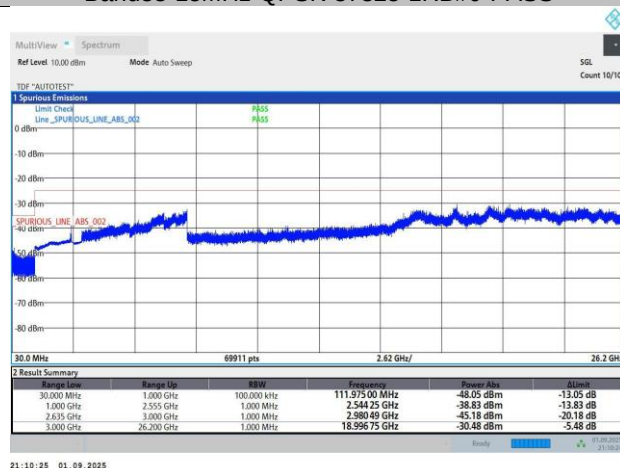
Band38-10MHz-QPSK-38200-1RB#0-PASS



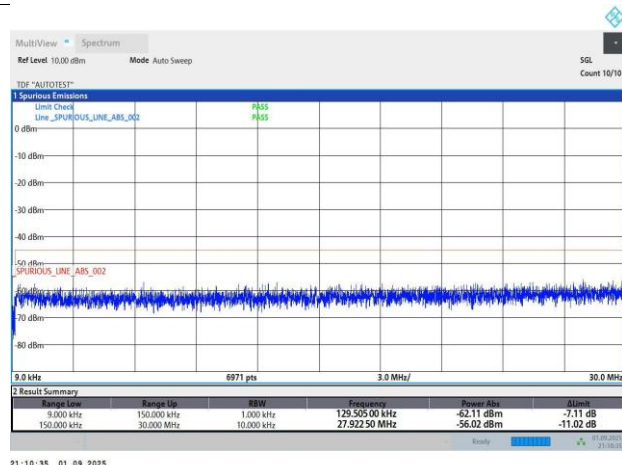
Band38-10MHz-QPSK-38200-1RB#0-PASS



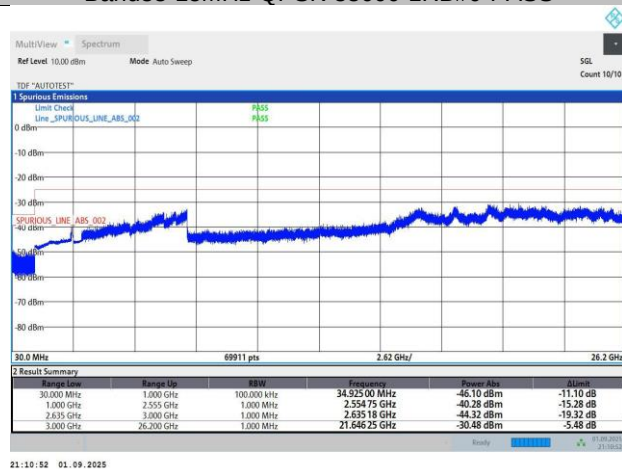
Band38-15MHz-QPSK-37825-1RB#0-PASS



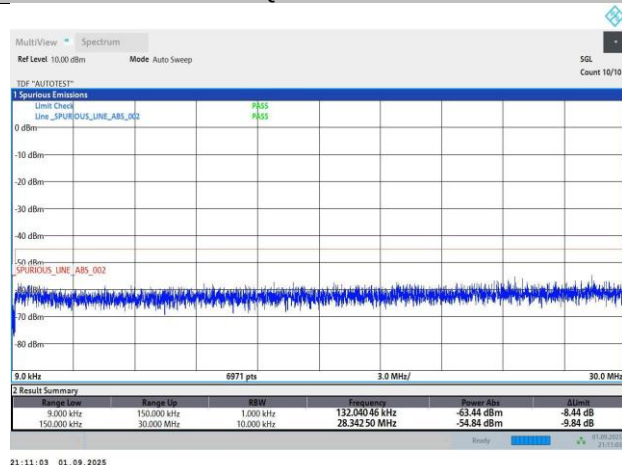
Band38-15MHz-QPSK-37825-1RB#0-PASS



Band38-15MHz-QPSK-38000-1RB#0-PASS



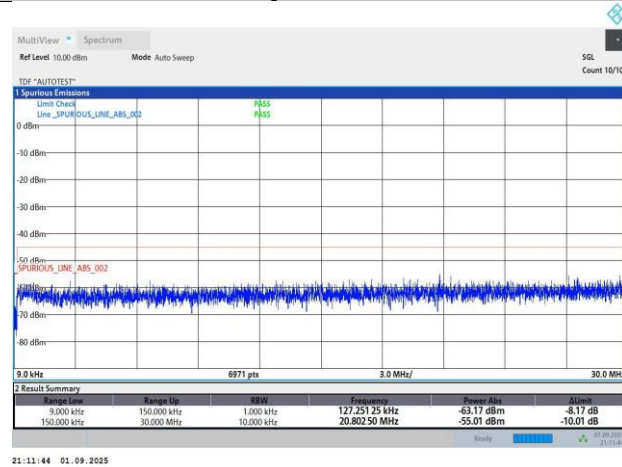
Band38-15MHz-QPSK-38000-1RB#0-PASS



Band38-15MHz-QPSK-38175-1RB#0-PASS



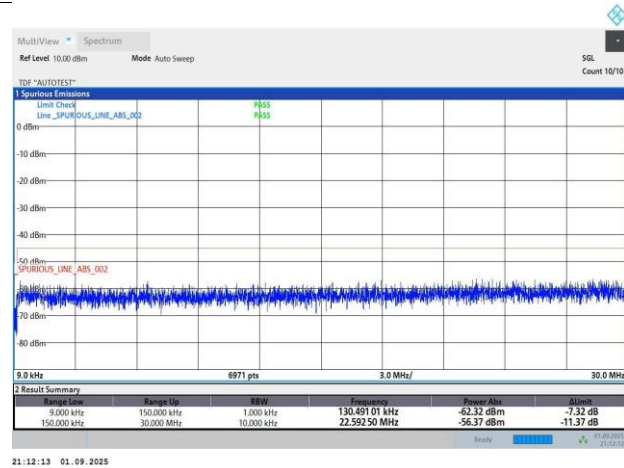
Band38-15MHz-QPSK-38175-1RB#0-PASS



Band38-20MHz-QPSK-37850-1RB#0-PASS



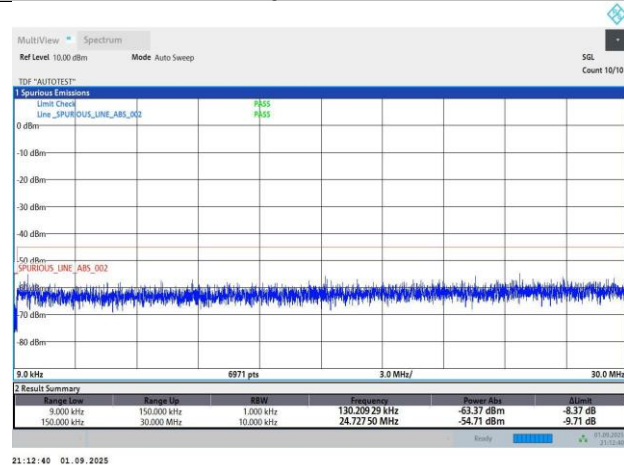
Band38-20MHz-QPSK-37850-1RB#0-PASS



Band38-20MHz-QPSK-38000-1RB#0-PASS



Band38-20MHz-QPSK-38000-1RB#0-PASS



Band38-20MHz-QPSK-38150-1RB#0-PASS



Band38-20MHz-QPSK-38150-1RB#0-PASS

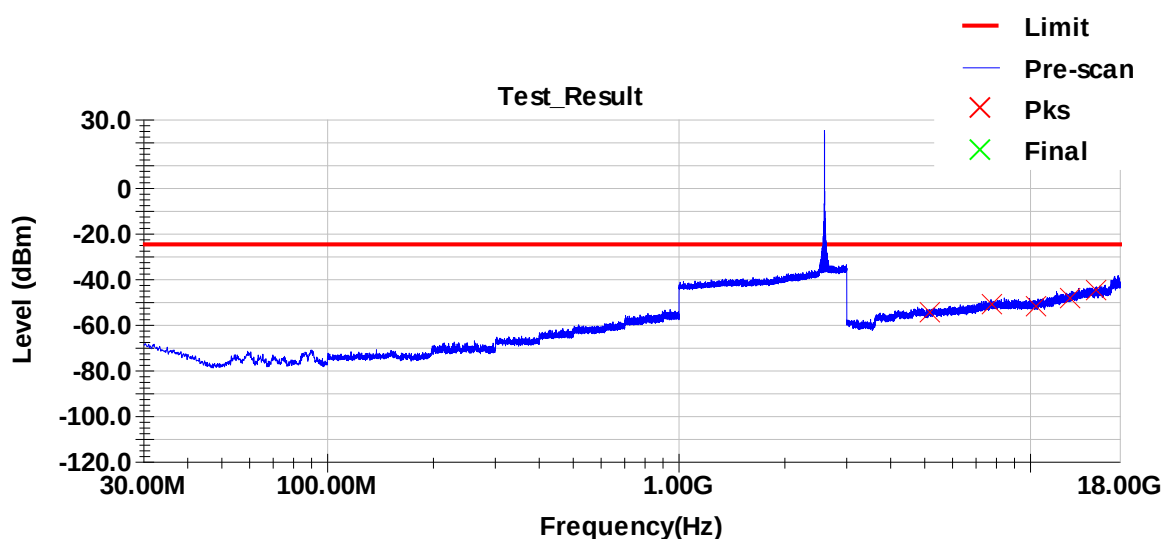
6 Appendix F: Radiated spurious emissions

Remark:

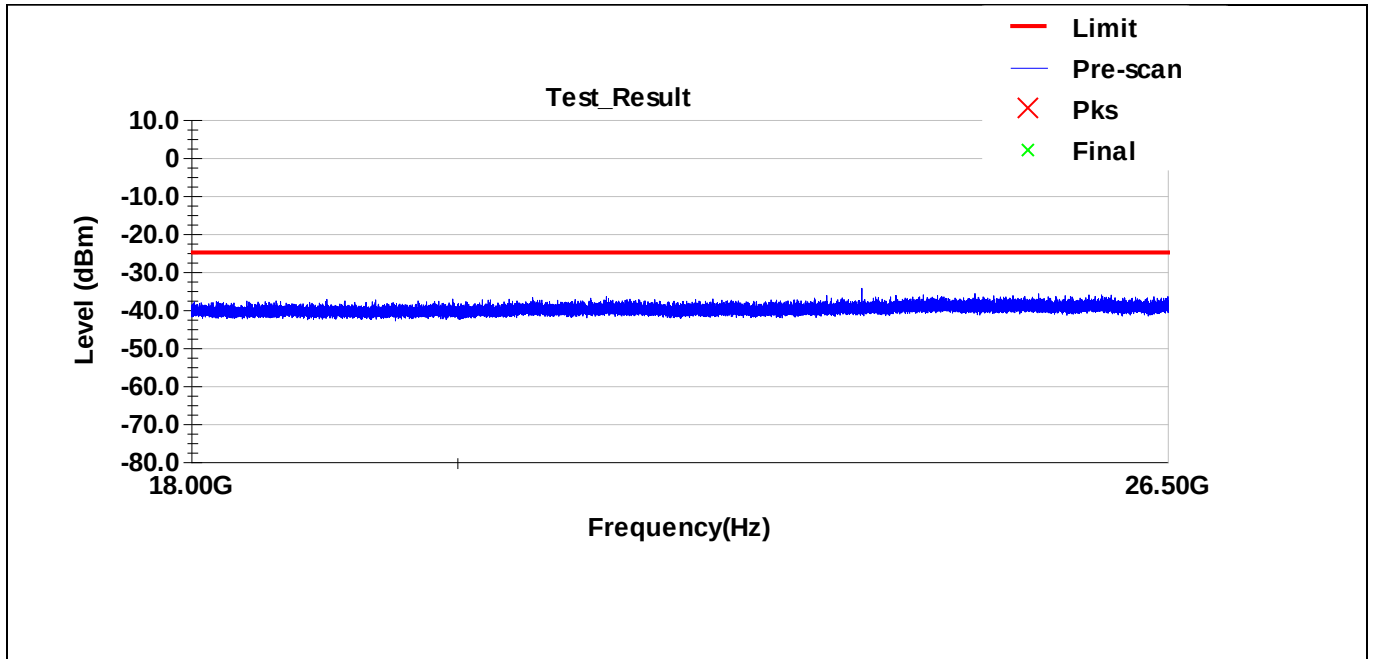
- The pre-tests cover all operation mode of EUT and the test reports show only the worst.
- If the margin is greater than 10dB, it is considered to meet the standard and no further test is conducted.
- The part of the graph that exceeds the limit is RF fundamental frequency and it should be excluded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

6.1 Test Result

The worst mode: LTE B38_LINK/ANT 13-BW5M-Mid-QPSK



Frequency(MHz)	Measure Level(dBuV)	Factor	EIRP_CF	EIRP Result(dBm)	Limit(dBm)	Margin(dB)	Pol
5190.000	46.47	-6.01	-95.200	-54.74	-25.00	29.74	V
7785.000	46.01	-2.05	-95.200	-51.24	-25.00	26.24	V
10380.000	43.81	-0.42	-95.200	-51.88	-25.00	26.88	V
12975.000	44.41	2.50	-95.200	-48.38	-25.00	23.38	V
15570.000	43.38	6.73	-95.200	-45.41	-25.00	20.41	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
Band38	20MHz	QPSK	37850	100RB#0	NV	NT	2.9	0.001124	PASS
Band38	20MHz	QPSK	37850	100RB#0	LV	NT	3.3	0.001279	PASS
Band38	20MHz	QPSK	37850	100RB#0	HV	NT	4.2	0.001628	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	NT	4.1	0.001580	PASS
Band38	20MHz	QPSK	38000	100RB#0	LV	NT	3.0	0.001156	PASS
Band38	20MHz	QPSK	38000	100RB#0	HV	NT	-0.5	- 0.000193	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	NT	4.7	0.001801	PASS
Band38	20MHz	QPSK	38150	100RB#0	LV	NT	2.5	0.000958	PASS
Band38	20MHz	QPSK	38150	100RB#0	HV	NT	3.0	0.001149	PASS

Band	Channel bandwidth	Modulation	Channel	RB Configure	Voltage (Vdc)	Temperature (°C)	deviation (Hz)	deviation (ppm)	Verdict
Band 38	20MHz	QPSK	37850	100RB#0	NV	-30	3.0	0.001163	PASS
Band 38	20MHz	QPSK	37850	100RB#0	NV	-20	-0.8	- 0.000310	PASS
Band 38	20MHz	QPSK	37850	100RB#0	NV	-10	2.3	0.000891	PASS
Band 38	20MHz	QPSK	37850	100RB#0	NV	0	5.6	0.002171	PASS
Band 38	20MHz	QPSK	37850	100RB#0	NV	10	0.4	0.000155	PASS
Band 38	20MHz	QPSK	37850	100RB#0	NV	20	1.0	0.000388	PASS
Band 38	20MHz	QPSK	37850	100RB#0	NV	30	-1.4	- 0.000543	PASS
Band 38	20MHz	QPSK	37850	100RB#0	NV	40	-0.1	- 0.000039	PASS
Band 38	20MHz	QPSK	37850	100RB#0	NV	50	-0.9	- 0.000349	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	-30	1.0	0.000385	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	-20	1.6	0.000617	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	-10	4.2	0.001618	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	0	3.9	0.001503	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	10	2.7	0.001040	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	20	2.2	0.000848	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	30	4.3	0.001657	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	40	5.4	0.002081	PASS
Band 38	20MHz	QPSK	38000	100RB#0	NV	50	0.4	0.000154	PASS
Band 38	20MHz	QPSK	38150	100RB#0	NV	-30	1.4	0.000536	PASS

Band 38	20MHz	QPSK	38150	100RB#0	NV	-20	2.6	0.000996	PASS
Band 38	20MHz	QPSK	38150	100RB#0	NV	-10	3.1	0.001188	PASS
Band 38	20MHz	QPSK	38150	100RB#0	NV	0	4.3	0.001648	PASS
Band 38	20MHz	QPSK	38150	100RB#0	NV	10	1.3	0.000498	PASS
Band 38	20MHz	QPSK	38150	100RB#0	NV	20	2.2	0.000843	PASS
Band 38	20MHz	QPSK	38150	100RB#0	NV	30	-0.5	- 0.000192	PASS
Band 38	20MHz	QPSK	38150	100RB#0	NV	40	-0.6	- 0.000230	PASS
Band 38	20MHz	QPSK	38150	100RB#0	NV	50	-2.6	- 0.000996	PASS

END