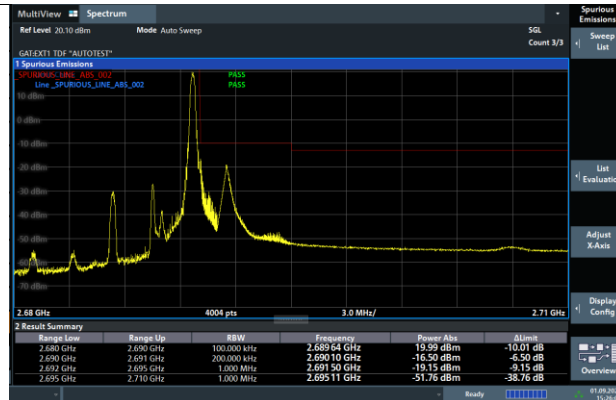
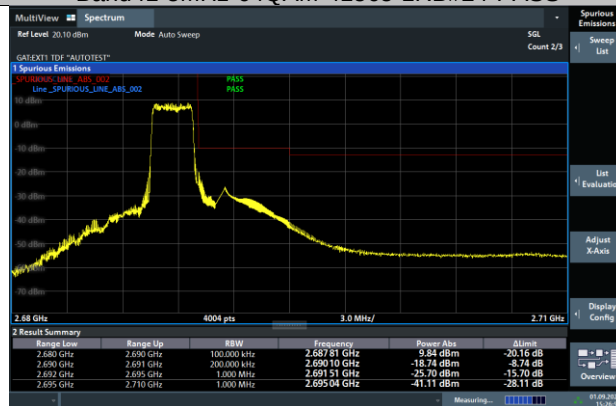




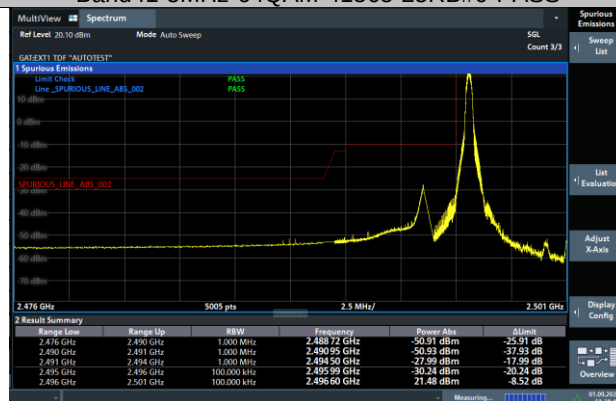
Band41-5MHz-64QAM-41565-1RB#24-PASS



Band41-5MHz-64QAM-41565-12RB#13-PASS



Band41-5MHz-64QAM-41565-25RB#0-PASS



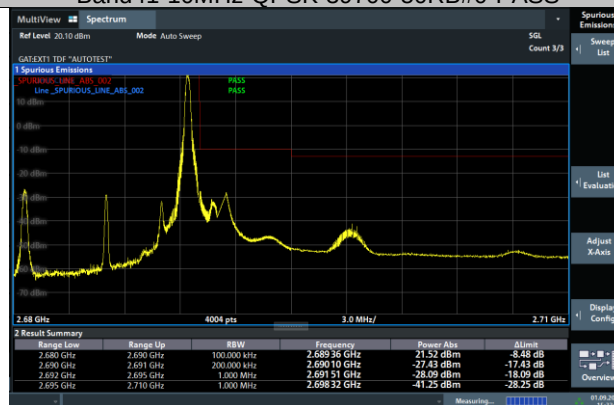
Band41-10MHz-QPSK-39700-1RB#0-PASS



Band41-10MHz-QPSK-39700-25RB#0-PASS



Band41-10MHz-QPSK-39700-50RB#0-PASS



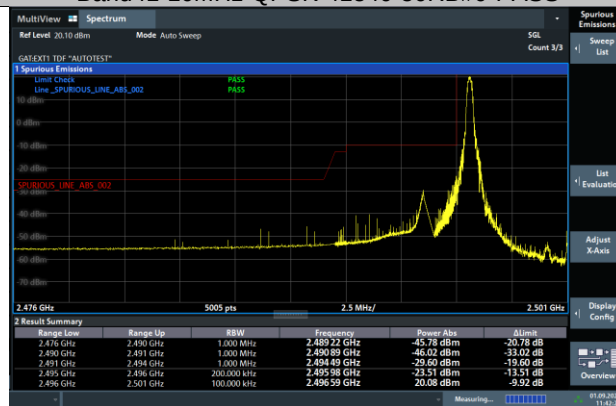
Band41-10MHz-QPSK-41540-1RB#49-PASS



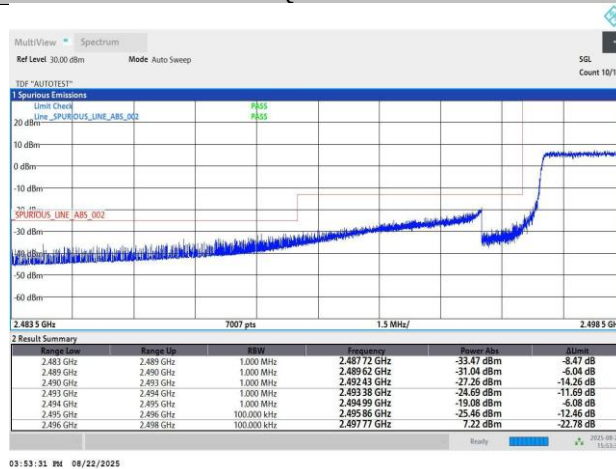
Band41-10MHz-QPSK-41540-25RB#25-PASS



Band41-10MHz-QPSK-41540-50RB#0-PASS



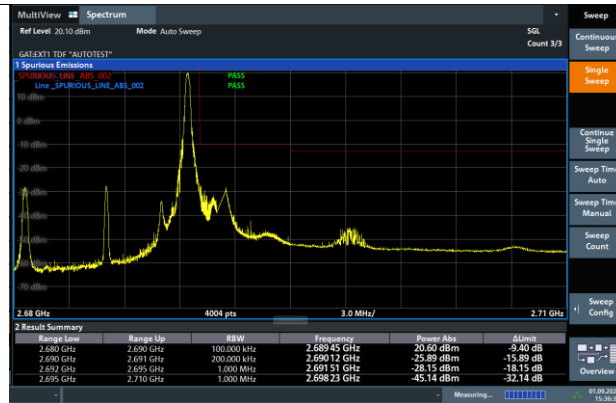
Band41-10MHz-16QAM-39700-1RB#0-PASS



Band41-10MHz-16QAM-39700-25RB#0-PASS



Band41-10MHz-16QAM-39700-50RB#0-PASS



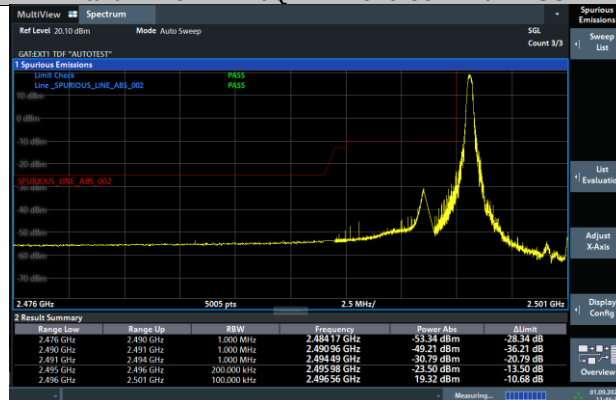
Band41-10MHz-16QAM-41540-1RB#49-PASS



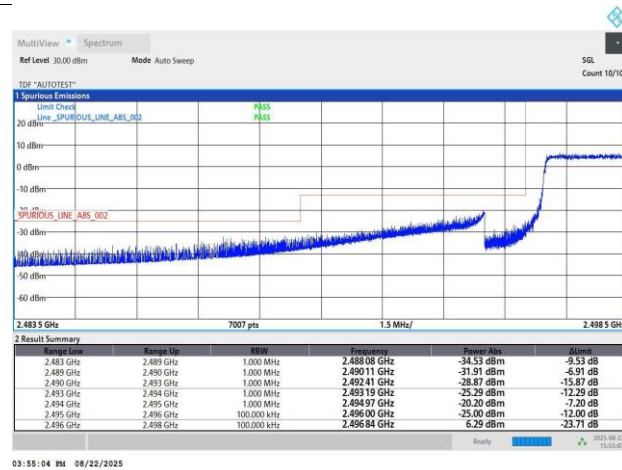
Band41-10MHz-16QAM-41540-25RB#25-PASS



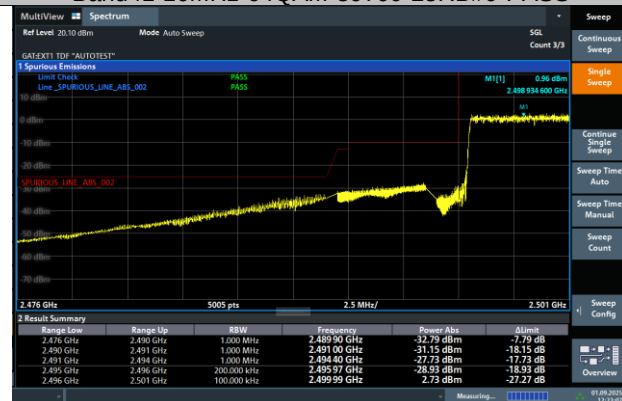
Band41-10MHz-16QAM-41540-50RB#0-PASS



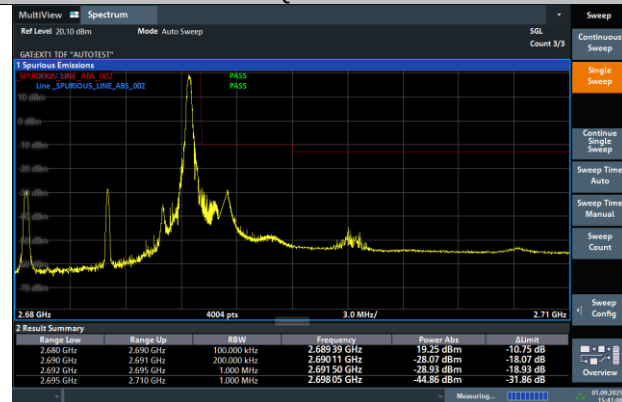
Band41-10MHz-64QAM-39700-1RB#0-PASS



Band41-10MHz-64QAM-39700-25RB#0-PASS



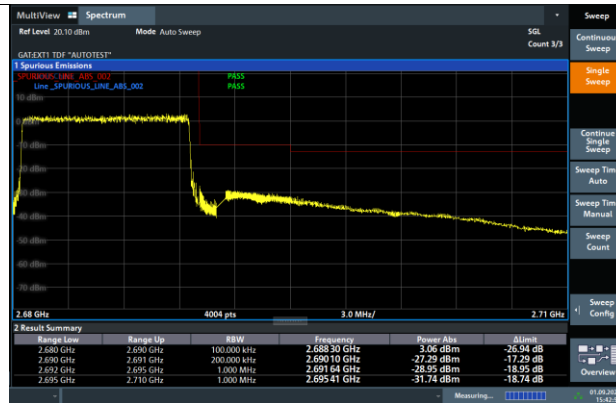
Band41-10MHz-64QAM-39700-50RB#0-PASS



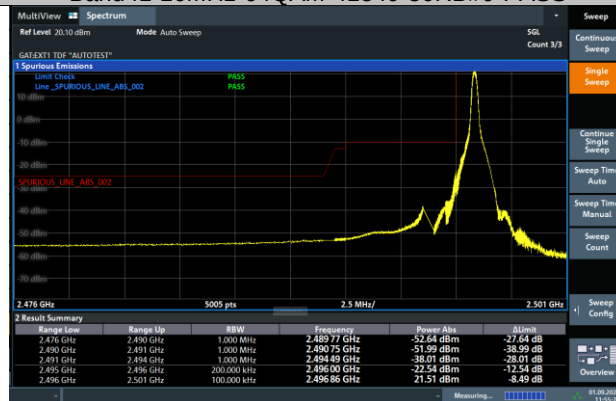
Band41-10MHz-64QAM-41540-1RB#49-PASS



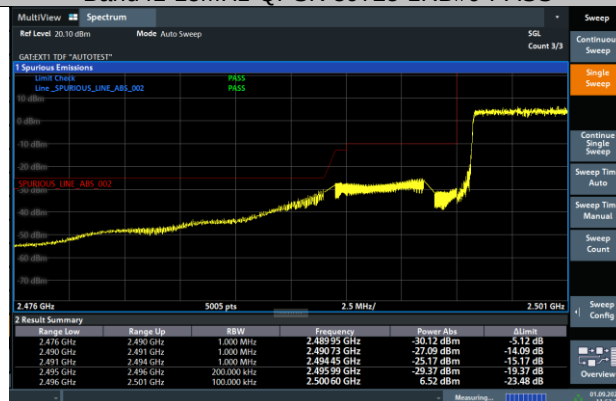
Band41-10MHz-64QAM-41540-25RB#25-PASS



Band41-10MHz-64QAM-41540-50RB#0-PASS



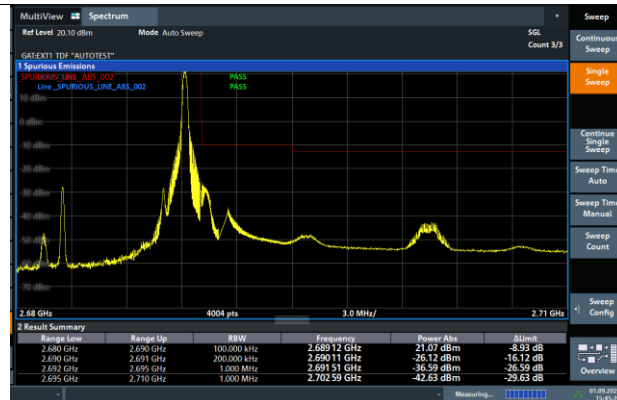
Band41-15MHz-QPSK-39725-1RB#0-PASS



Band41-15MHz-QPSK-39725-36RB#0-PASS



Band41-15MHz-QPSK-39725-75RB#0-PASS



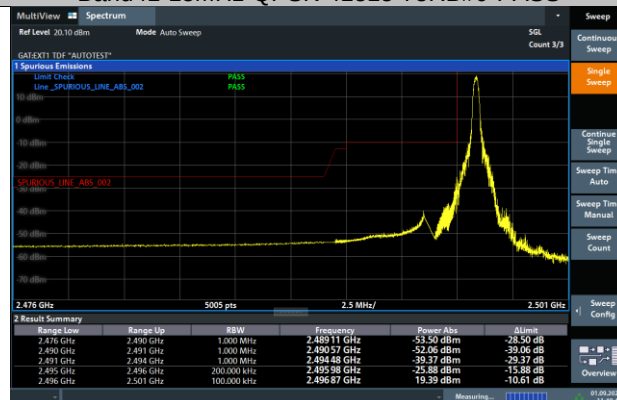
Band41-15MHz-QPSK-41515-1RB#74-PASS



Band41-15MHz-QPSK-41515-36RB#39-PASS



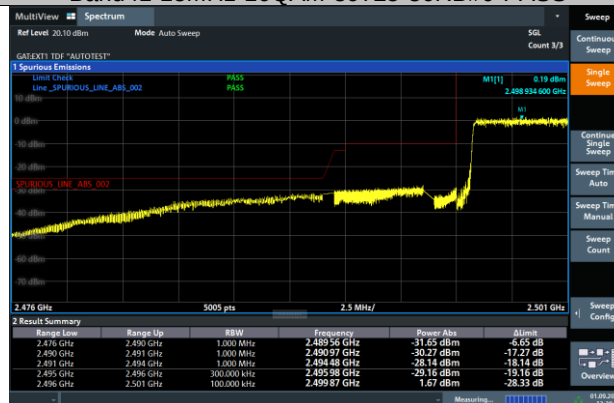
Band41-15MHz-QPSK-41515-75RB#0-PASS



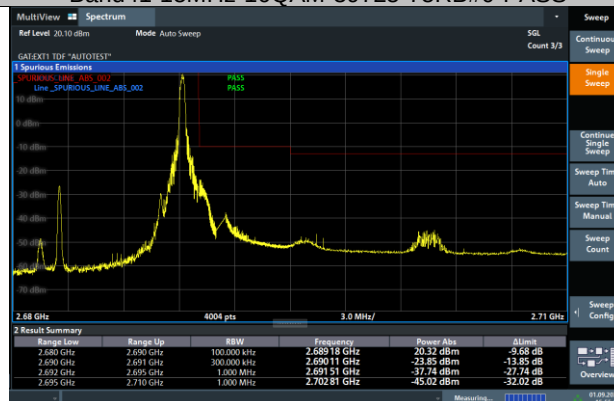
Band41-15MHz-16QAM-39725-1RB#0-PASS



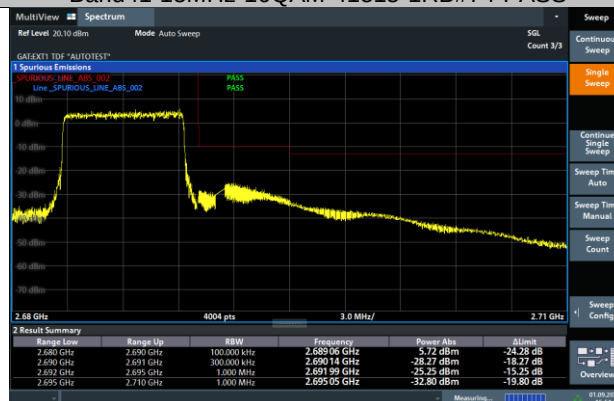
Band41-15MHz-16QAM-39725-36RB#0-PASS



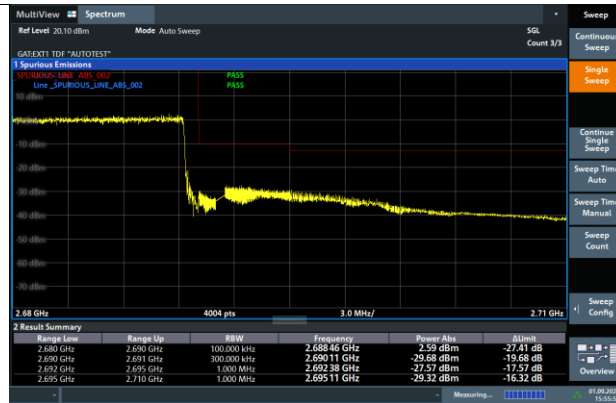
Band41-15MHz-16QAM-39725-75RB#0-PASS



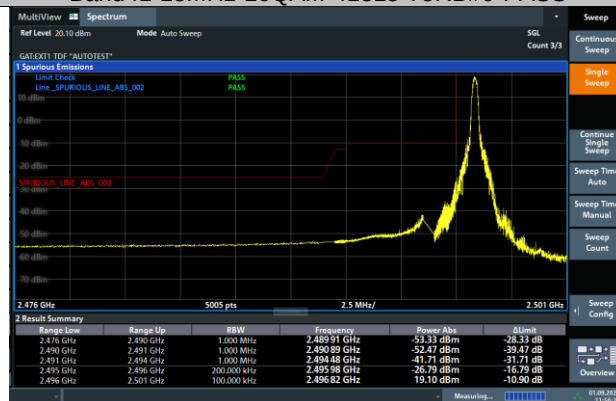
Band41-15MHz-16QAM-41515-1RB#74-PASS



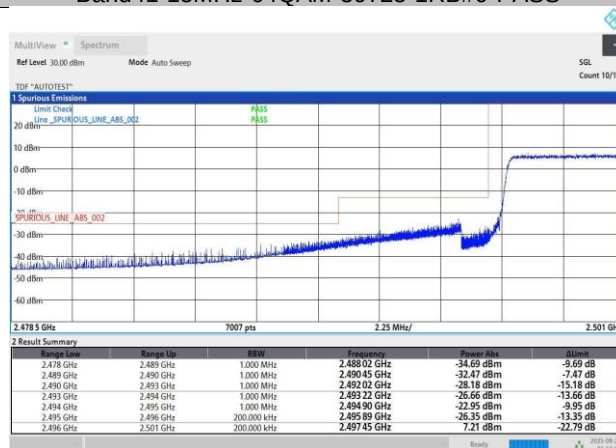
Band41-15MHz-16QAM-41515-36RB#39-PASS



Band41-15MHz-16QAM-41515-75RB#0-PASS

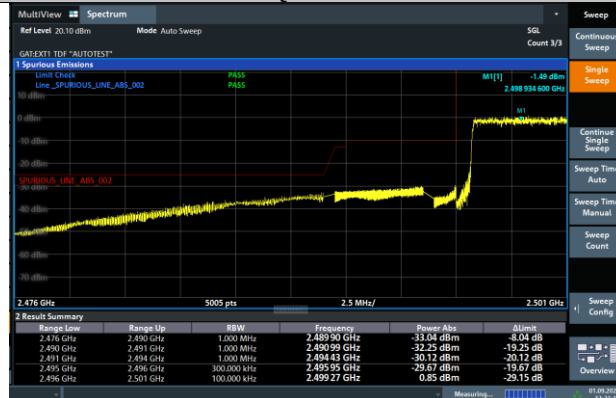


Band41-15MHz-64QAM-39725-1RB#0-PASS

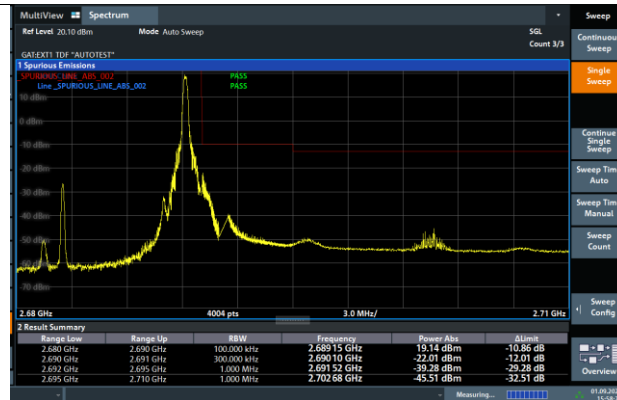


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Band41-15MHz-64QAM-39725-36RB#0-PASS



Band41-15MHz-64QAM-39725-75RB#0-PASS



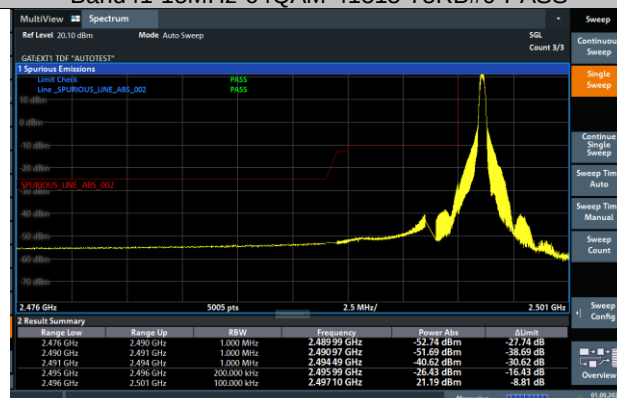
Band41-15MHz-64QAM-41515-1RB#74-PASS



Band41-15MHz-64QAM-41515-36RB#39-PASS



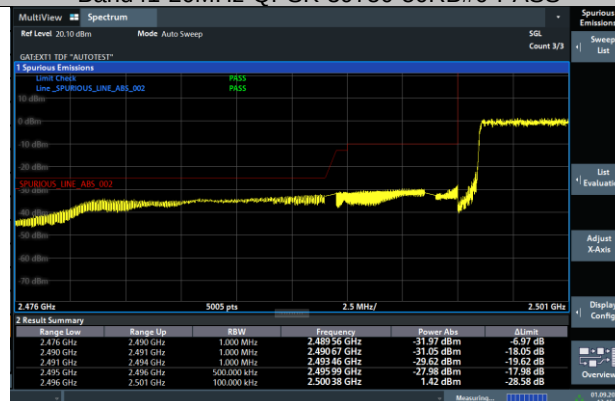
Band41-15MHz-64QAM-41515-75RB#0-PASS



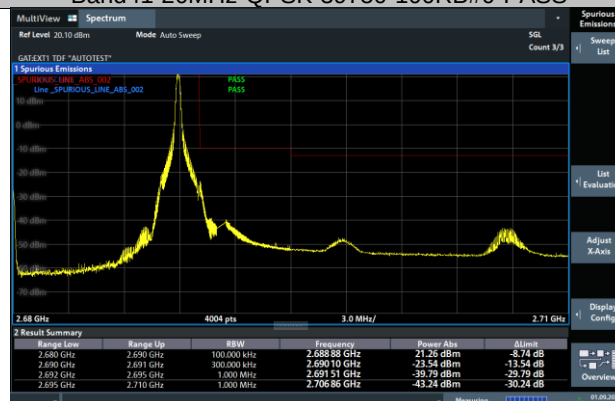
Band41-20MHz-QPSK-39750-1RB#0-PASS



Band41-20MHz-QPSK-39750-50RB#0-PASS



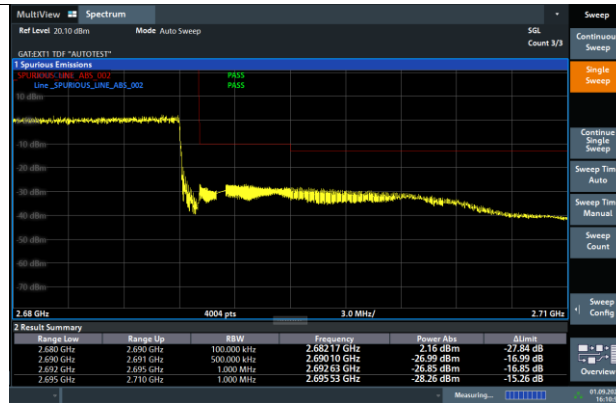
Band41-20MHz-QPSK-39750-100RB#0-PASS



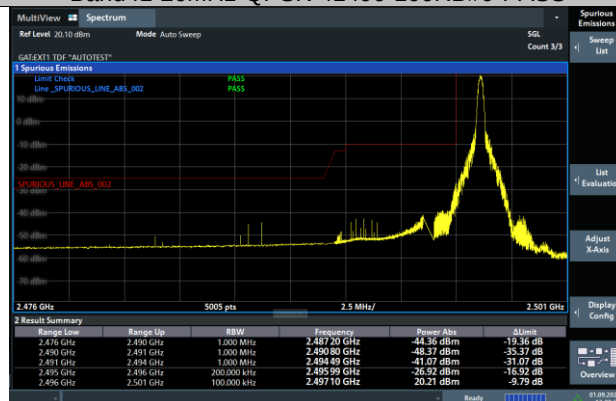
Band41-20MHz-QPSK-41490-1RB#99-PASS



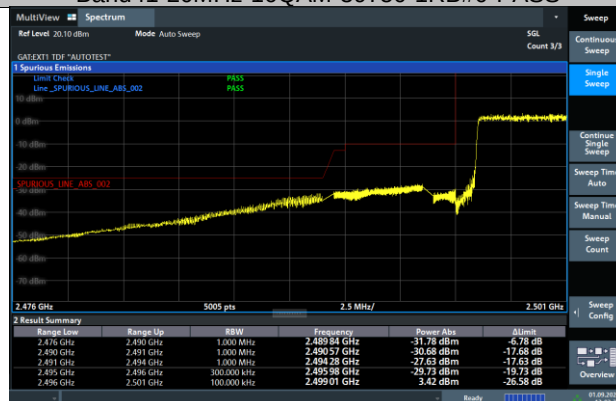
Band41-20MHz-QPSK-41490-50RB#50-PASS



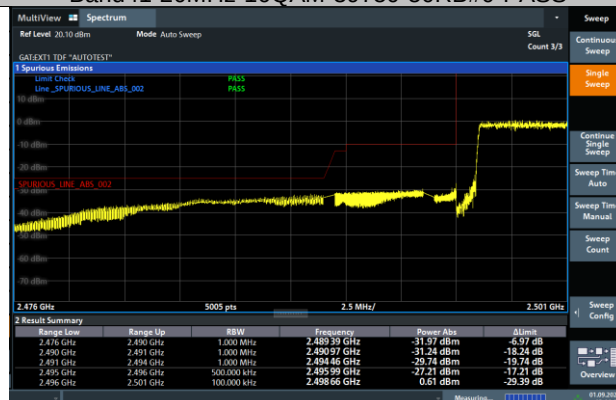
Band41-20MHz-QPSK-41490-100RB#0-PASS



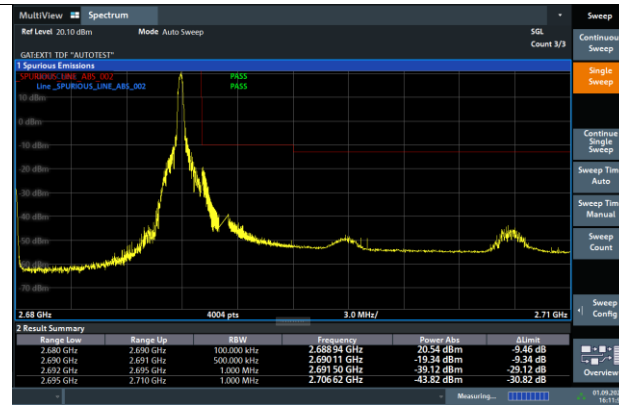
Band41-20MHz-16QAM-39750-1RB#0-PASS



Band41-20MHz-16QAM-39750-50RB#0-PASS



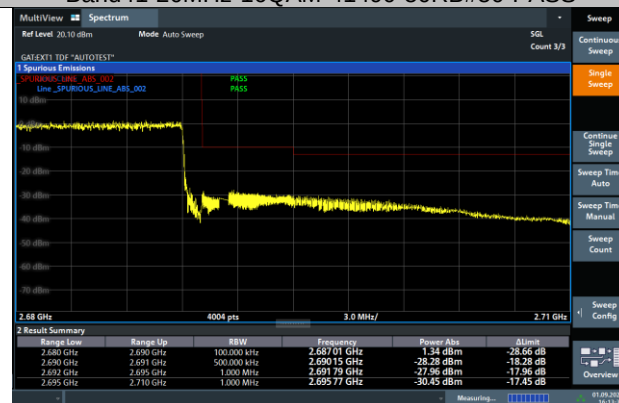
Band41-20MHz-16QAM-39750-100RB#0-PASS



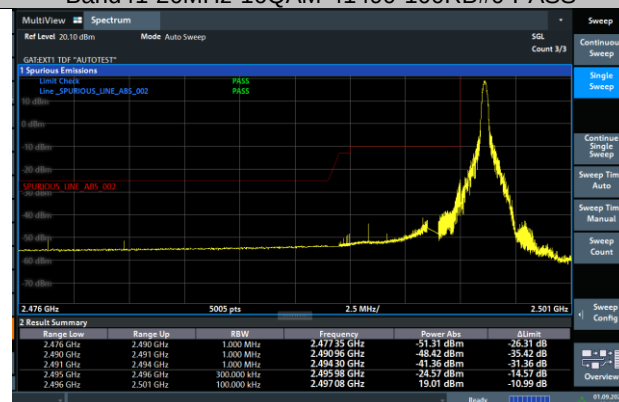
Band41-20MHz-16QAM-41490-1RB#99-PASS



Band41-20MHz-16QAM-41490-50RB#50-PASS



Band41-20MHz-16QAM-41490-100RB#0-PASS



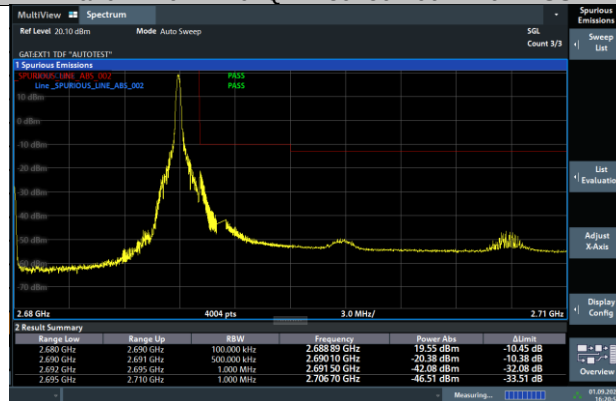
Band41-20MHz-64QAM-39750-1RB#0-PASS



Band41-20MHz-64QAM-39750-50RB#0-PASS



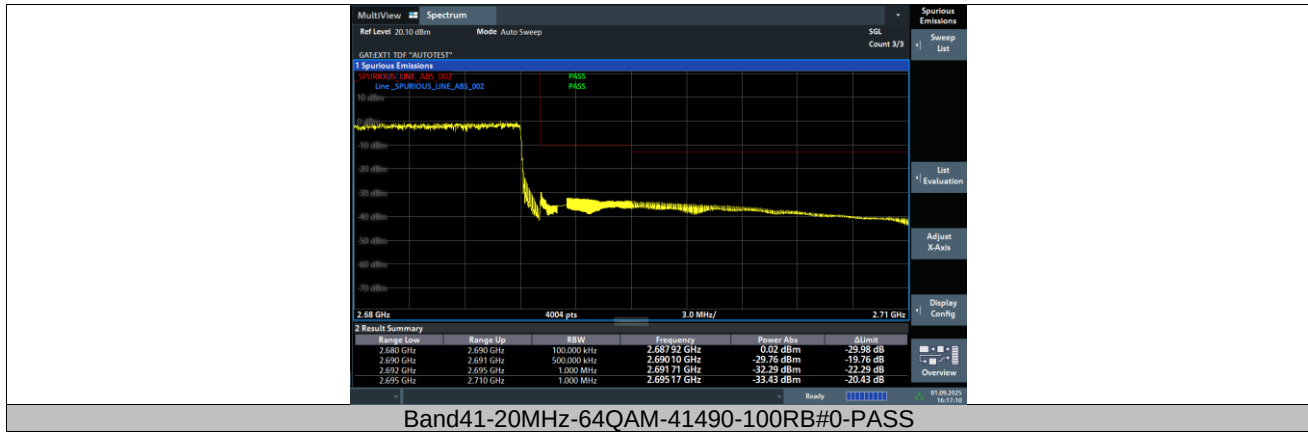
Band41-20MHz-64QAM-39750-100RB#0-PASS



Band41-20MHz-64QAM-41490-1RB#99-PASS



Band41-20MHz-64QAM-41490-50RB#50-PASS

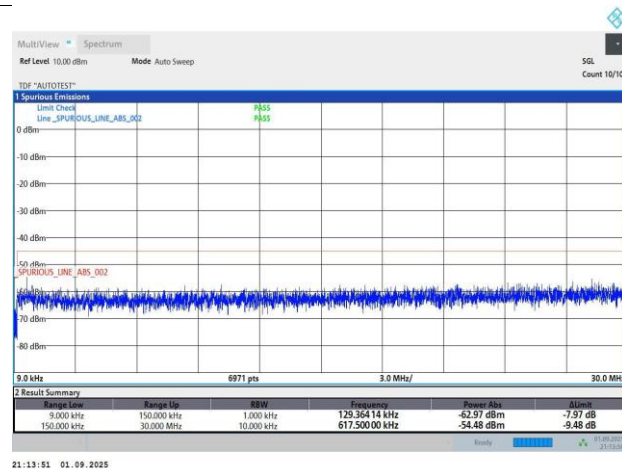


5 Appendix E: Conducted Spurious Emission

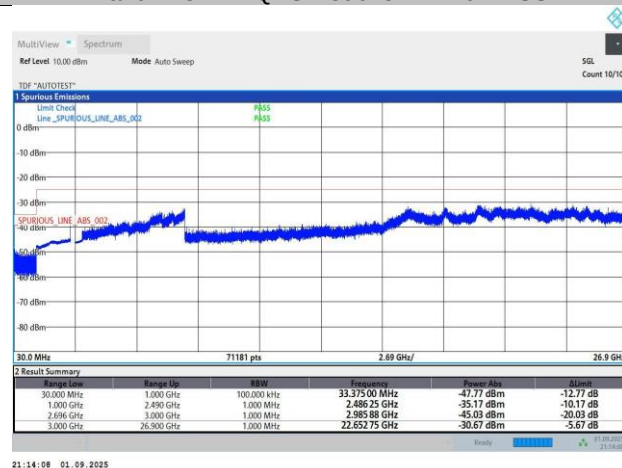
5.1 Test Result

Band	Channel bandwidth	Modulation	Channel	RB Configure	Result	Verdict
Band41	5MHz	QPSK	39675	1RB#0	See graph	PASS
Band41	5MHz	QPSK	40620	1RB#0	See graph	PASS
Band41	5MHz	QPSK	41565	1RB#0	See graph	PASS
Band41	10MHz	QPSK	39700	1RB#0	See graph	PASS
Band41	10MHz	QPSK	40620	1RB#0	See graph	PASS
Band41	10MHz	QPSK	41540	1RB#0	See graph	PASS
Band41	15MHz	QPSK	39725	1RB#0	See graph	PASS
Band41	15MHz	QPSK	40620	1RB#0	See graph	PASS
Band41	15MHz	QPSK	41515	1RB#0	See graph	PASS
Band41	20MHz	QPSK	39750	1RB#0	See graph	PASS
Band41	20MHz	QPSK	40620	1RB#0	See graph	PASS
Band41	20MHz	QPSK	41490	1RB#0	See graph	PASS

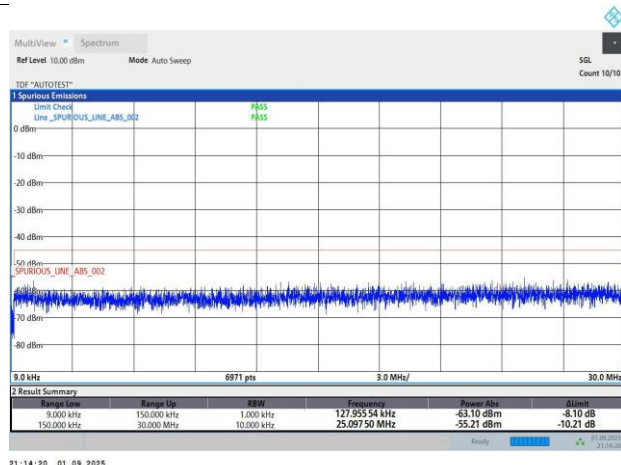
5.2 Test Plots



Band41-5MHz-QPSK-39675-1RB#0-PASS



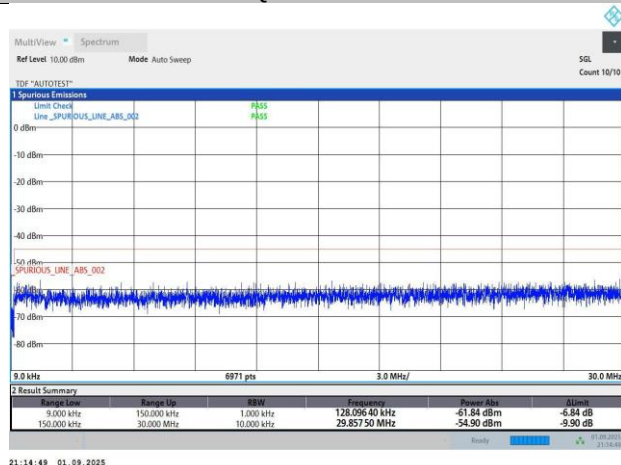
Band41-5MHz-QPSK-39675-1RB#0-PASS



Band41-5MHz-QPSK-40620-1RB#0-PASS



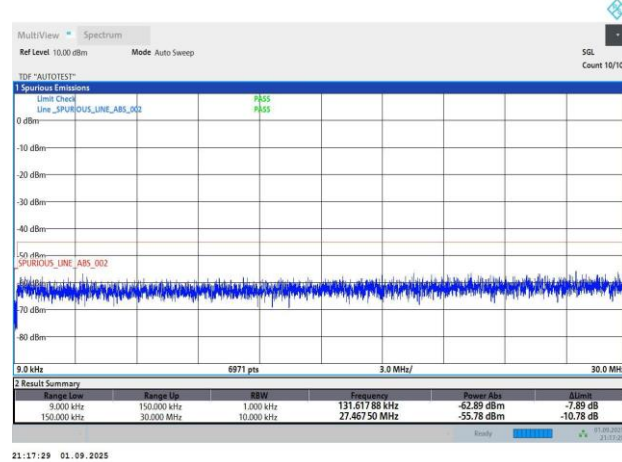
Band41-5MHz-QPSK-40620-1RB#0-PASS



Band41-5MHz-QPSK-41565-1RB#0-PASS



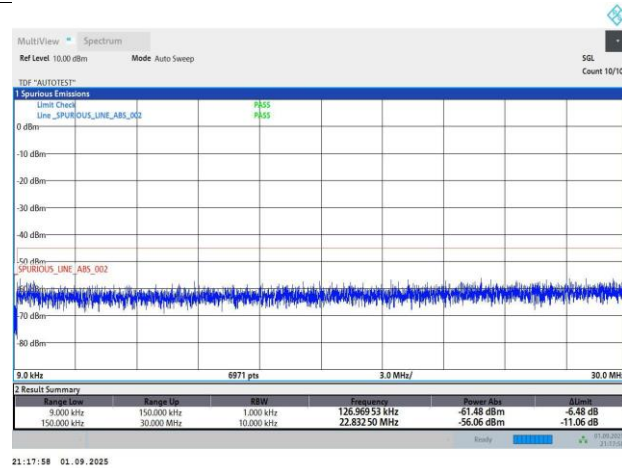
Band41-5MHz-QPSK-41565-1RB#0-PASS



Band41-10MHz-QPSK-39700-1RB#0-PASS



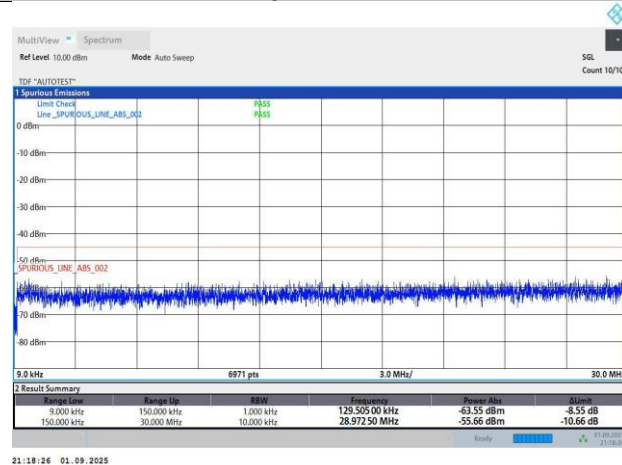
Band41-10MHz-QPSK-39700-1RB#0-PASS



Band41-10MHz-QPSK-40620-1RB#0-PASS



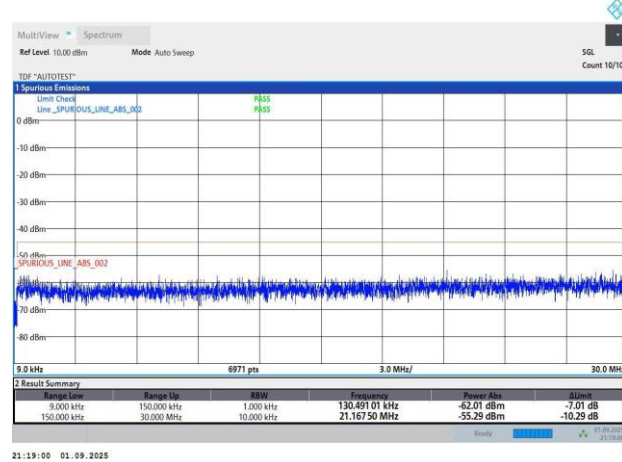
Band41-10MHz-QPSK-40620-1RB#0-PASS



Band41-10MHz-QPSK-41540-1RB#0-PASS



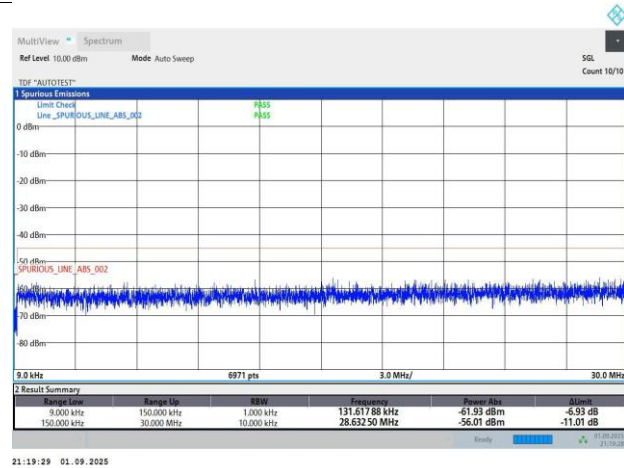
Band41-10MHz-QPSK-41540-1RB#0-PASS



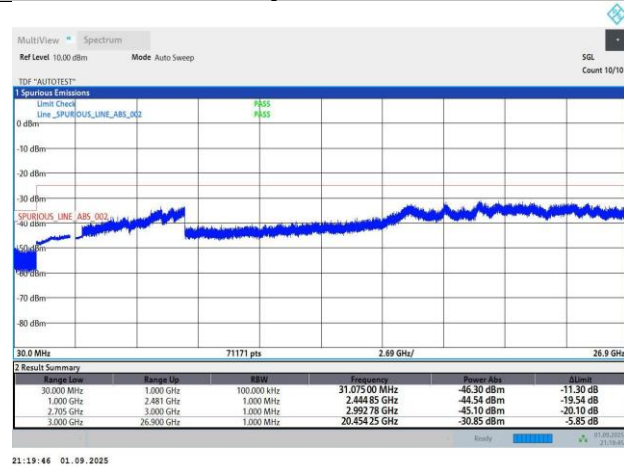
Band41-15MHz-QPSK-39725-1RB#0-PASS



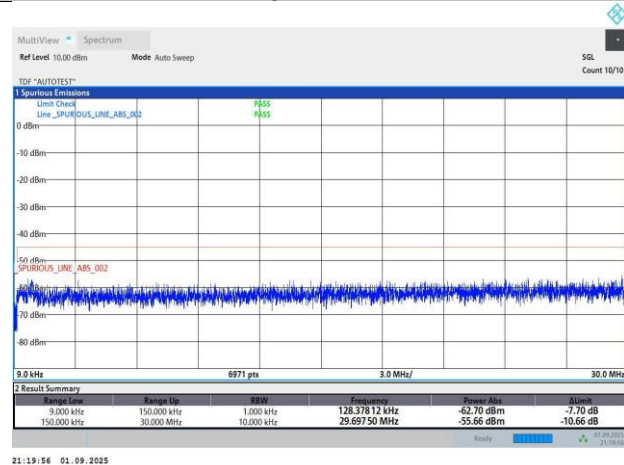
Band41-15MHz-QPSK-39725-1RB#0-PASS



Band41-15MHz-QPSK-40620-1RB#0-PASS



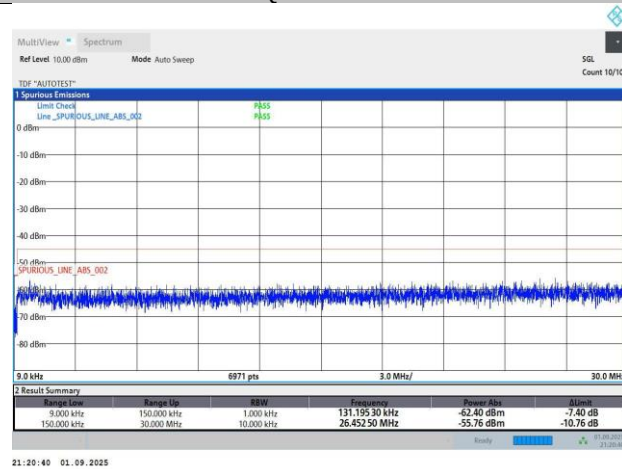
Band41-15MHz-QPSK-40620-1RB#0-PASS



Band41-15MHz-QPSK-41515-1RB#0-PASS



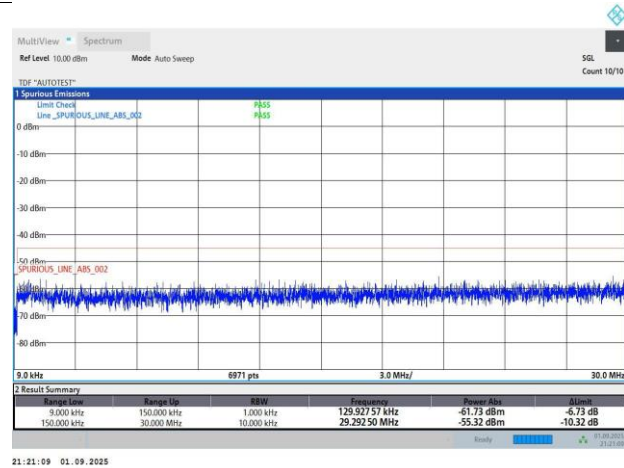
Band41-15MHz-QPSK-41515-1RB#0-PASS



Band41-20MHz-QPSK-39750-1RB#0-PASS



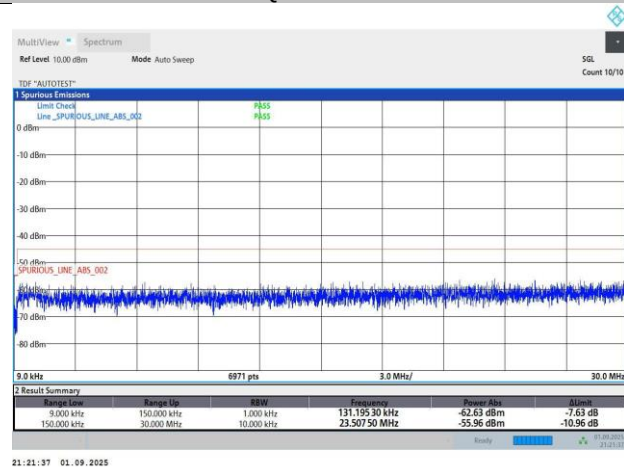
Band41-20MHz-QPSK-39750-1RB#0-PASS



Band41-20MHz-QPSK-40620-1RB#0-PASS



Band41-20MHz-QPSK-40620-1RB#0-PASS



Band41-20MHz-QPSK-41490-1RB#0-PASS



Band41-20MHz-QPSK-41490-1RB#0-PASS

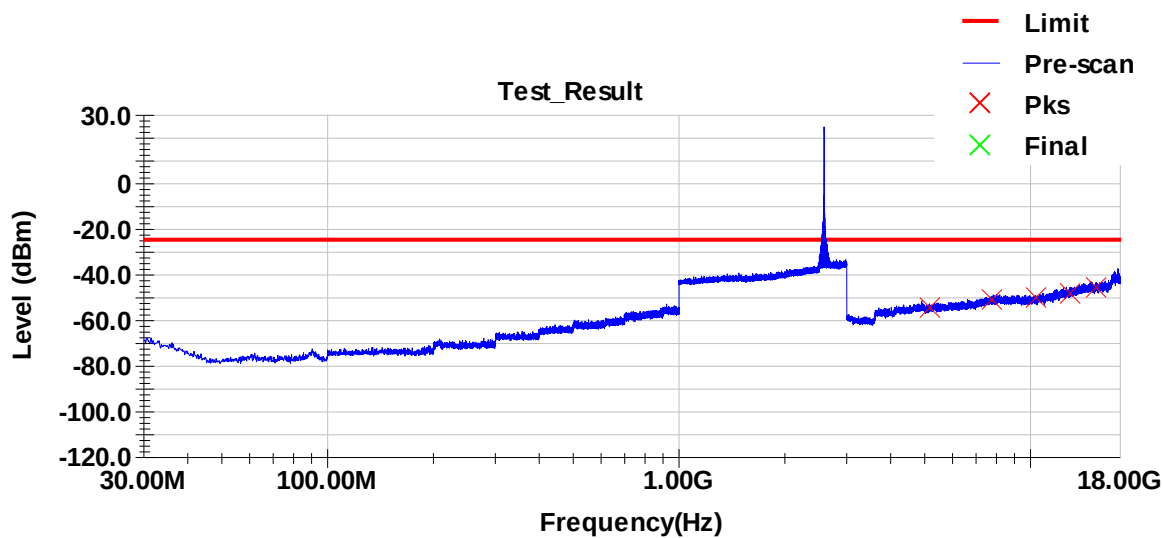
6 Appendix F: Radiated spurious emissions

Remark:

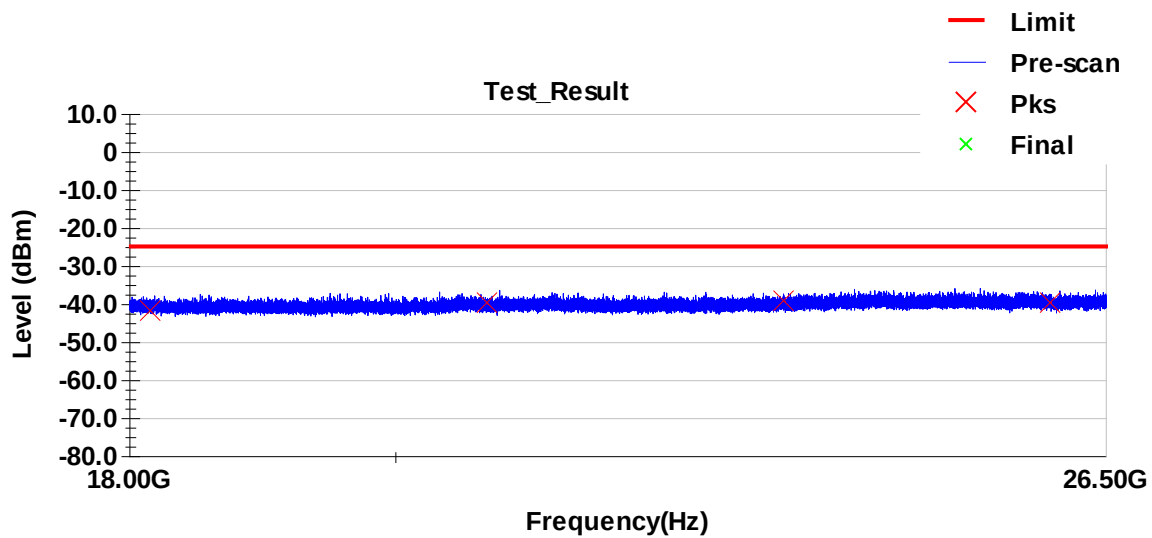
- The pre-tests cover all operation mode of EUT and the test reports show only the worst.
- If the margin is greater than 10dB, it is considered to meet the standard and no further test is conducted.
- The part of the graph that exceeds the limit is RF fundamental frequency and it should be excluded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

6.1 Test Result

The worst mode: LTE B41_LINK/ANT 13-BW20M-Mid-QPSK



Frequency(MHz)	Measure Level(dBuV)	Factor	EIRP_CF	EIRP Result(dBm)	Limit(dBm)	Margin(dB)	Pol
5190.000	46.20	-6.01	-95.200	-55.01	-25.00	30.01	V
7785.000	45.72	-2.05	-95.200	-51.53	-25.00	26.53	V
10380.000	45.41	-0.42	-95.200	-50.28	-25.00	25.28	V
12975.000	44.30	2.50	-95.200	-48.50	-25.00	23.50	V
15570.000	43.11	6.73	-95.200	-45.68	-25.00	20.68	V



Frequency(MHz)	Measure Level(dBuV)	Factor	EIRP_CF	EIRP Result(dBm)	Limit(dBm)	Margin(dB)	Pol
18151.000	35.06	18.31	-95.200	-41.82	-25.00	16.82	V
20744.000	36.95	18.32	-95.200	-39.93	-25.00	14.93	V
23337.000	37.64	18.43	-95.200	-39.13	-25.00	14.13	V
25930.000	37.54	18.13	-95.200	-39.53	-25.00	14.53	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
Band41	20MHz	QPSK	39750	100RB#0	NV	NT	5.1	0.002035	PASS
Band41	20MHz	QPSK	39750	100RB#0	LV	NT	4.8	0.001915	PASS
Band41	20MHz	QPSK	39750	100RB#0	HV	NT	1.3	0.000519	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	NT	2.5	0.000964	PASS
Band41	20MHz	QPSK	40620	100RB#0	LV	NT	1.1	0.000424	PASS
Band41	20MHz	QPSK	40620	100RB#0	HV	NT	2.7	0.001041	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	NT	3.6	0.001343	PASS
Band41	20MHz	QPSK	41490	100RB#0	LV	NT	2.8	0.001045	PASS
Band41	20MHz	QPSK	41490	100RB#0	HV	NT	3.7	0.001381	PASS

Band	Channel bandwidth	Modulation	Channel	RB Configure	Voltage (Vdc)	Temperature (°C)	deviation (Hz)	deviation (ppm)	Verdict
Band 41	20MHz	QPSK	39750	100RB#0	NV	-30	1.9	0.000758	PASS
Band 41	20MHz	QPSK	39750	100RB#0	NV	-20	1.5	0.000599	PASS
Band 41	20MHz	QPSK	39750	100RB#0	NV	-10	1.4	0.000559	PASS
Band 41	20MHz	QPSK	39750	100RB#0	NV	0	6.2	0.002474	PASS
Band 41	20MHz	QPSK	39750	100RB#0	NV	10	1.6	0.000638	PASS
Band 41	20MHz	QPSK	39750	100RB#0	NV	20	0.9	0.000359	PASS
Band 41	20MHz	QPSK	39750	100RB#0	NV	30	-1.2	0.000479	PASS
Band 41	20MHz	QPSK	39750	100RB#0	NV	40	-2.8	0.001117	PASS
Band 41	20MHz	QPSK	39750	100RB#0	NV	50	-2.2	0.000878	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	-30	4.3	0.001658	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	-20	2.3	0.000887	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	-10	0.3	0.000116	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	0	4.9	0.001890	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	10	2.3	0.000887	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	20	2.0	0.000771	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	30	1.5	0.000578	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	40	1.6	0.000617	PASS
Band 41	20MHz	QPSK	40620	100RB#0	NV	50	1.8	0.000694	PASS
Band 41	20MHz	QPSK	41490	100RB#0	NV	-30	10.0	0.003731	PASS
Band 41	20MHz	QPSK	41490	100RB#0	NV	-20	3.0	0.001119	PASS

Band 41	20MHz	QPSK	41490	100RB#0	NV	-10	2.0	0.00074 6	PASS
Band 41	20MHz	QPSK	41490	100RB#0	NV	0	13.9	0.00518 7	PASS
Band 41	20MHz	QPSK	41490	100RB#0	NV	10	0.7	0.00026 1	PASS
Band 41	20MHz	QPSK	41490	100RB#0	NV	20	2.5	0.00093 3	PASS
Band 41	20MHz	QPSK	41490	100RB#0	NV	30	-2.7	- 0.00100 7	PASS
Band 41	20MHz	QPSK	41490	100RB#0	NV	40	-1.3	- 0.00048 5	PASS
Band 41	20MHz	QPSK	41490	100RB#0	NV	50	-3.0	- 0.00111 9	PASS

END