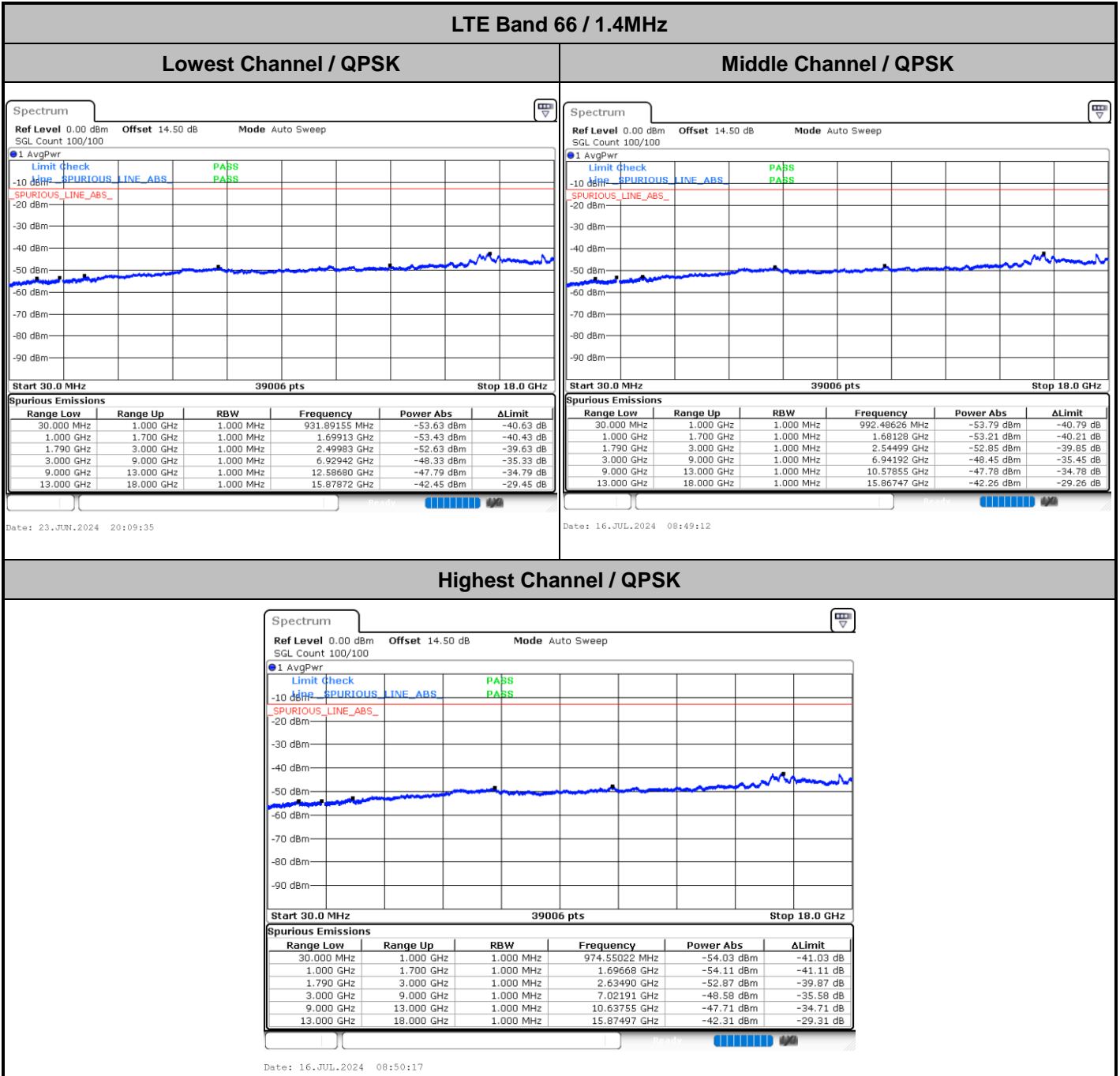




A3.5 Conducted Spurious Emission

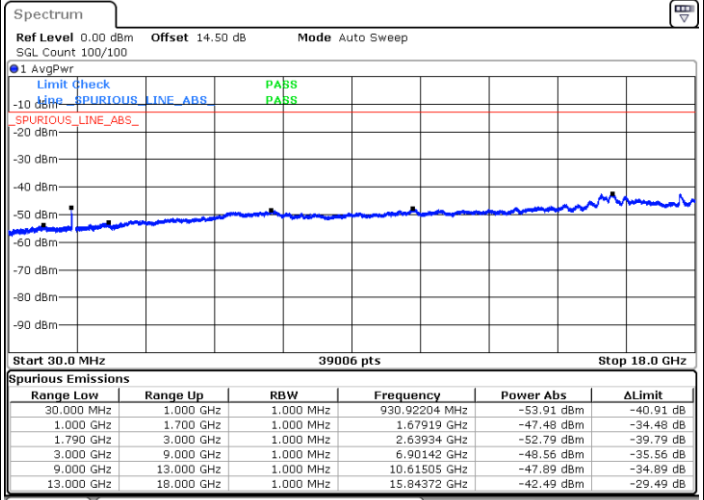
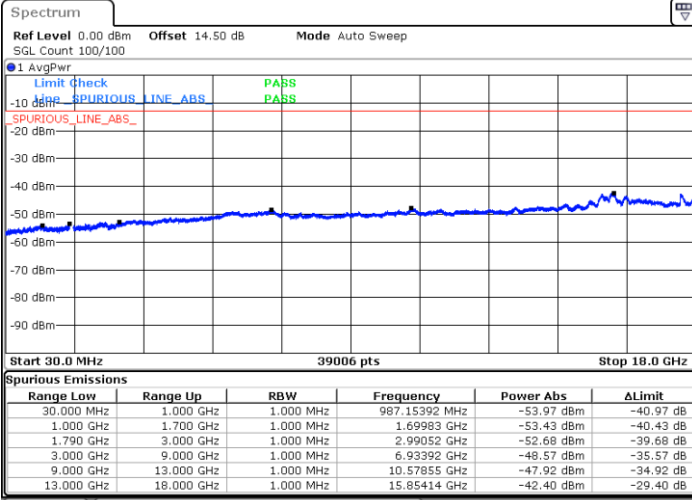




LTE Band 66 / 3MHz

Lowest Channel / QPSK

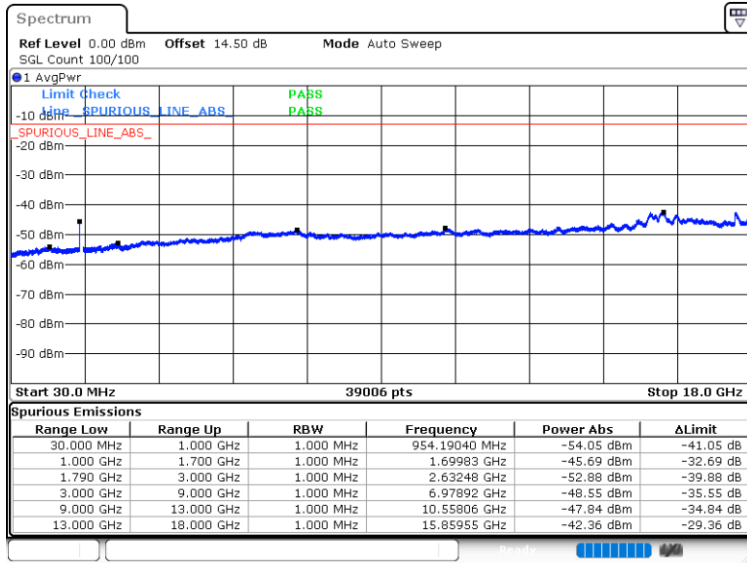
Middle Channel / QPSK



Date: 23.JUN.2024 20:29:02

Date: 16.JUL.2024 08:53:36

Highest Channel / QPSK



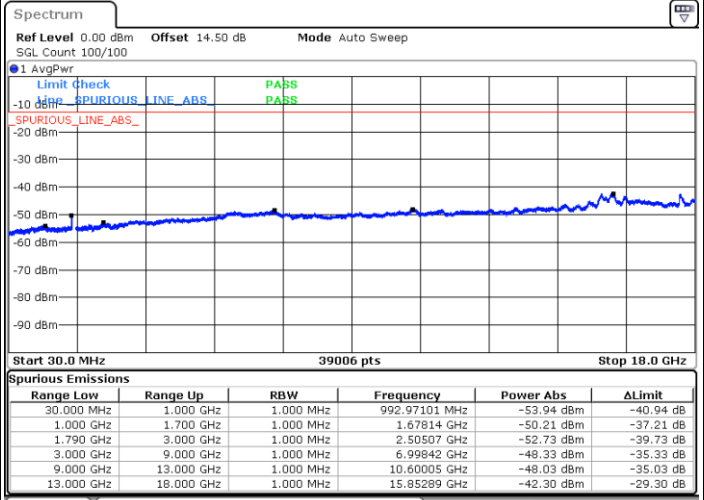
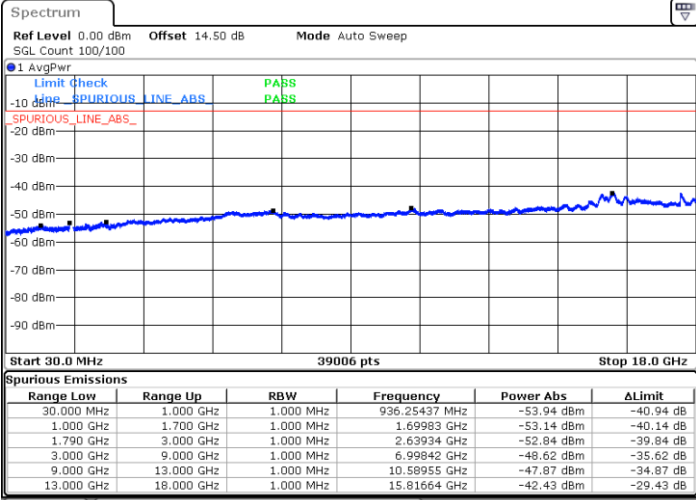
Date: 16.JUL.2024 08:54:41



LTE Band 66 / 5MHz

Lowest Channel / QPSK

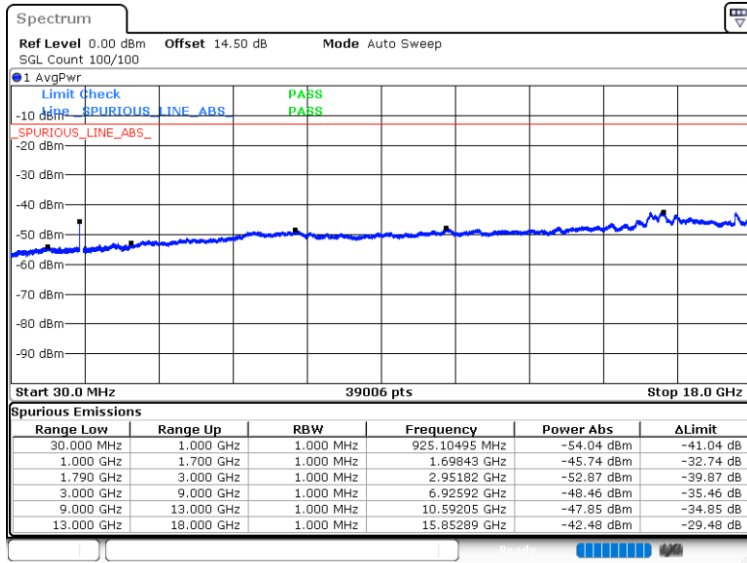
Middle Channel / QPSK



Date: 23.JUN.2024 20:48:28

Date: 16.JUL.2024 09:04:02

Highest Channel / QPSK



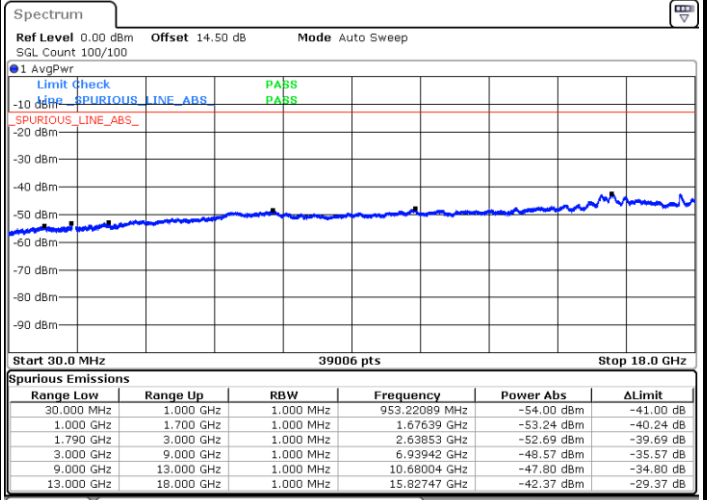
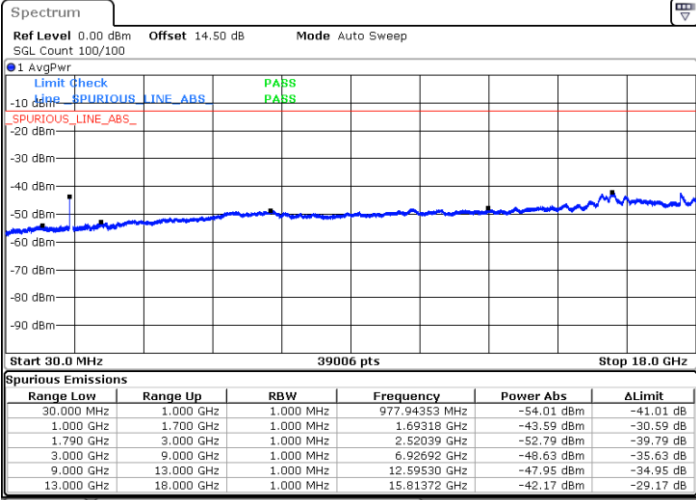
Date: 16.JUL.2024 09:05:06



LTE Band 66 / 10MHz

Lowest Channel / QPSK

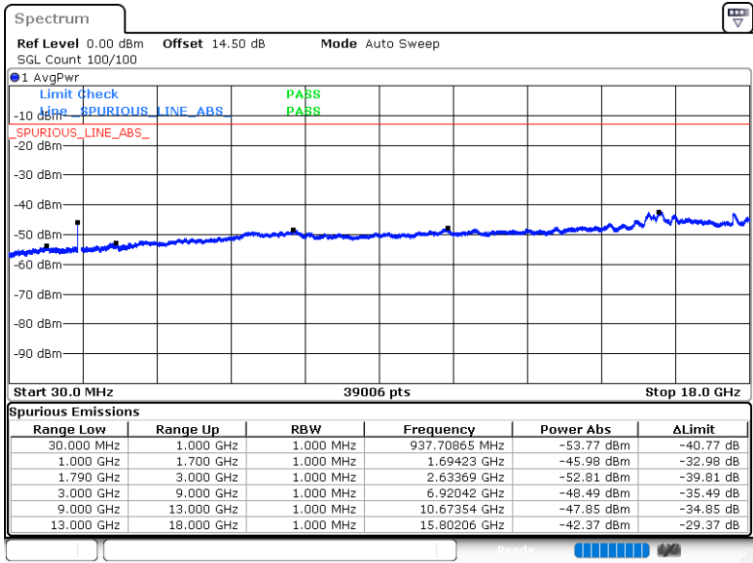
Middle Channel / QPSK



Date: 23.JUN.2024 21:11:08

Date: 16.JUL.2024 09:14:27

Highest Channel / QPSK



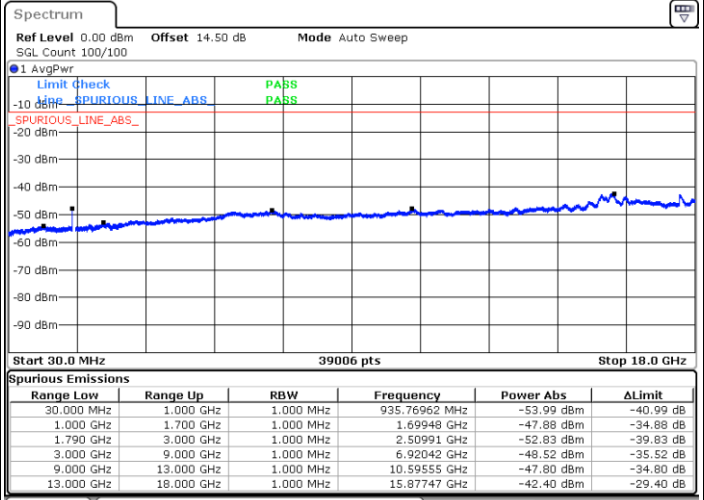
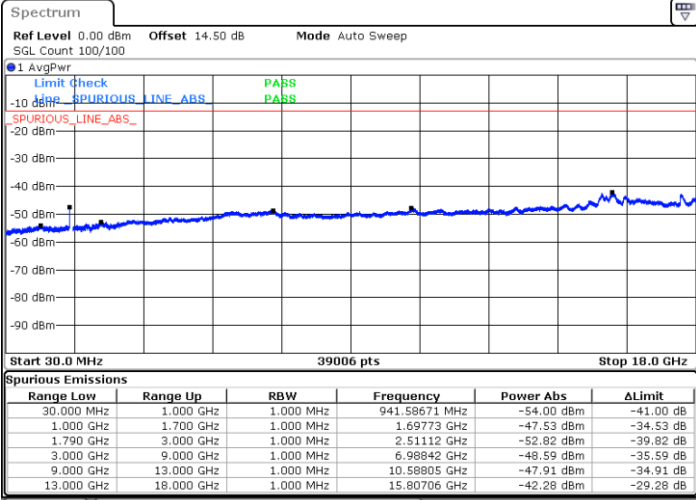
Date: 16.JUL.2024 09:15:31



LTE Band 66 / 15MHz

Lowest Channel / QPSK

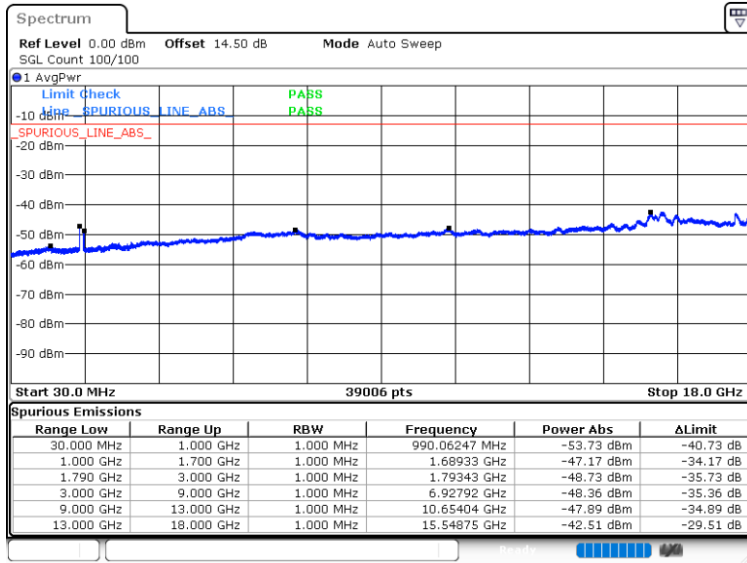
Middle Channel / QPSK



Date: 23.JUN.2024 21:40:02

Date: 16.JUL.2024 09:24:52

Highest Channel / QPSK



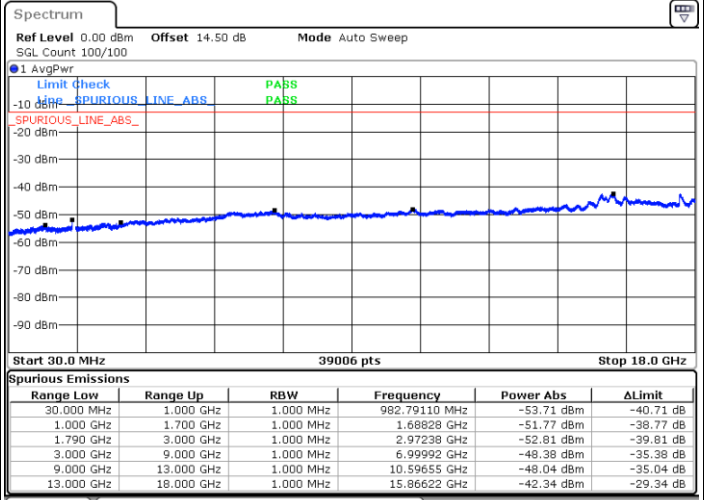
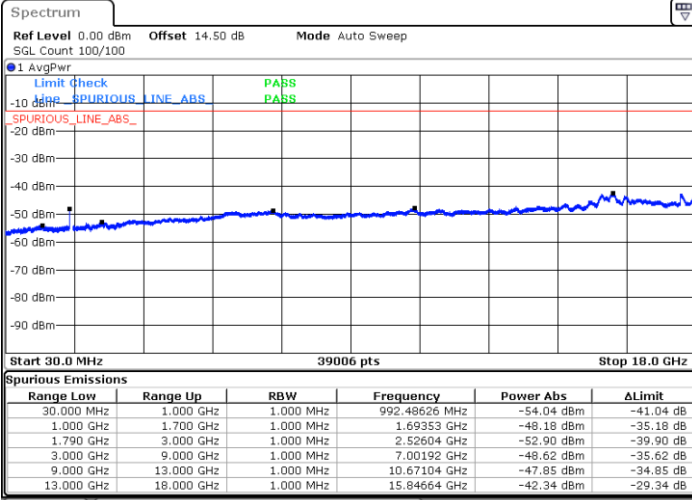
Date: 16.JUL.2024 09:25:57



LTE Band 66 / 20MHz

Lowest Channel / QPSK

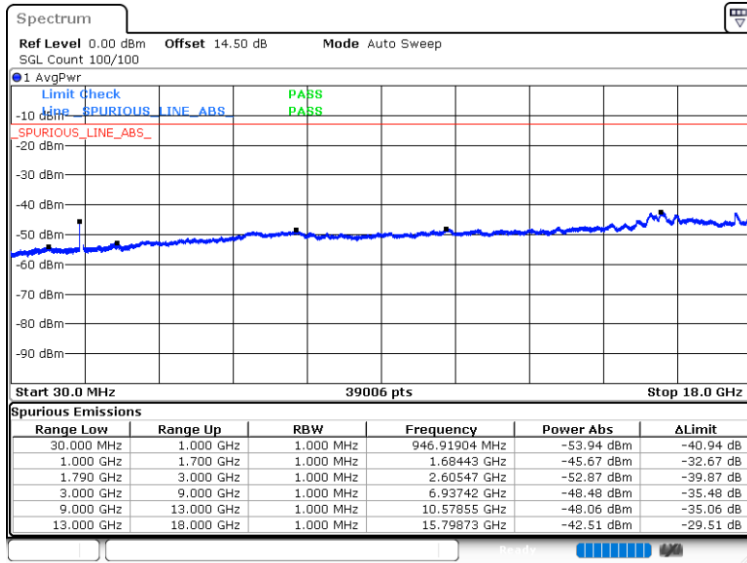
Middle Channel / QPSK



Date: 23.JUN.2024 21:59:28

Date: 16.JUL.2024 09:34:37

Highest Channel / QPSK



Date: 16.JUL.2024 09:35:41



A3.6 Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0000	

Note:

1. Normal Voltage = 54 V. ; Minimum Voltage = 48 V. ; Maximum Voltage = 57 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	LiangPing Zhou	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 25 / 20MHz / QPSK / ANT 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3747	-56.30	-13	-43.30	-74.92	-63.05	5.85	12.60	H
	5620.5	-58.48	-13	-45.48	-81.31	-64.28	7.30	13.10	H
	7494	-52.07	-13	-39.07	-78.97	-55.22	8.35	11.50	H
	9367.5	-47.69	-13	-34.69	-79.40	-49.84	9.85	12.00	H
	3747	-56.45	-13	-43.45	-75	-63.20	5.85	12.60	V
	5620.5	-58.47	-13	-45.47	-81.02	-64.27	7.30	13.10	V
	7494	-49.60	-13	-36.60	-76.49	-52.75	8.35	11.50	V
	9367.5	-43.58	-13	-30.58	-74.39	-45.73	9.85	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 66 / 20MHz / QPSK/ ANT 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	-61.60	-13	-48.60	-78.50	-68.45	5.65	12.50	-61.60	H
	-60.24	-13	-47.24	-81.97	-65.91	7.13	12.80	-60.24	H
	-55.50	-13	-42.50	-81.42	-58.90	8.40	11.80	-55.50	H
	-61.64	-13	-48.64	-78.56	-68.49	5.65	12.50	-61.64	V
	-59.60	-13	-46.60	-81.58	-65.27	7.13	12.80	-59.60	V
	-55.38	-13	-42.38	-81.77	-58.78	8.40	11.80	-55.38	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.