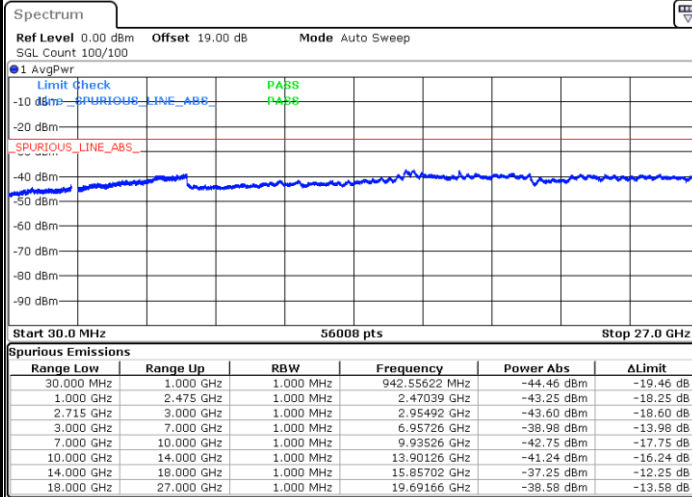




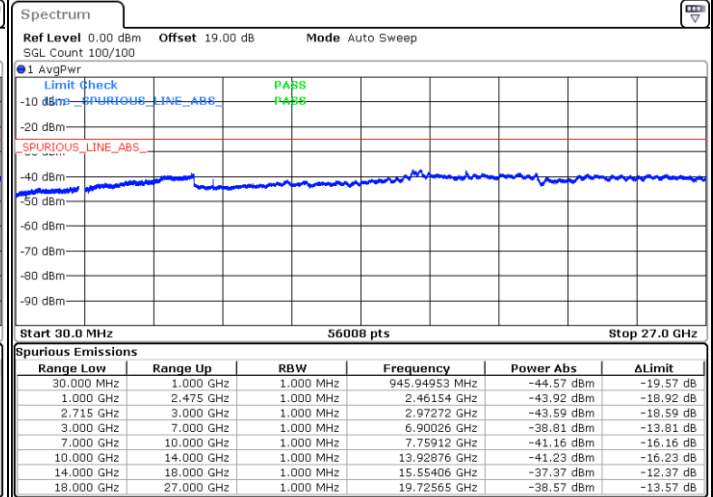
LTE Band 41 / 15MHz

Lowest Channel / QPSK



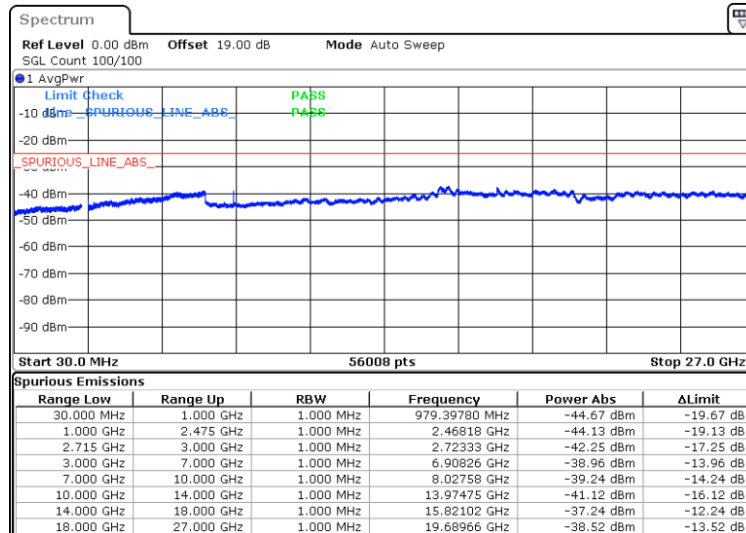
Date: 31.JUL.2025 00:54:34

Middle Channel / QPSK



Date: 31.JUL.2025 00:55:39

Highest Channel / QPSK

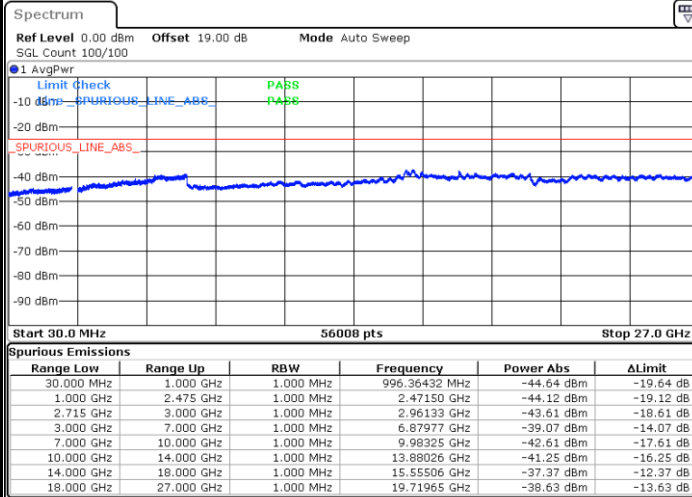


Date: 31.JUL.2025 01:03:30



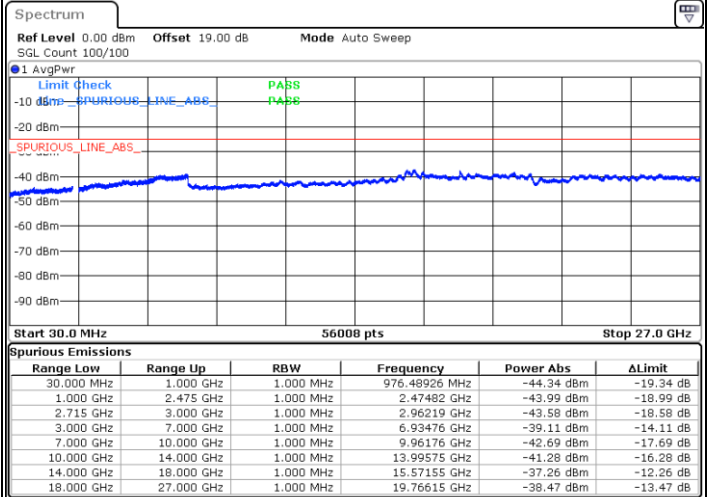
LTE Band 41 / 20MHz

Lowest Channel / QPSK



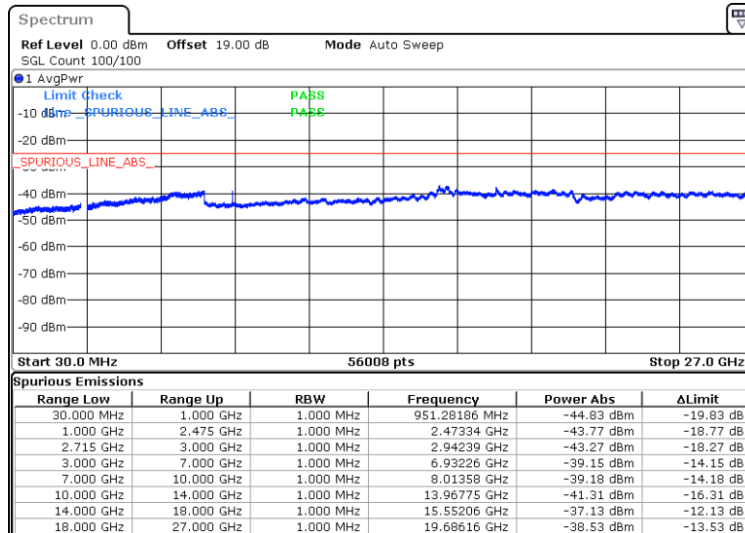
Date: 31.JUL.2025 01:10:10

Middle Channel / QPSK



Date: 31.JUL.2025 01:11:16

Highest Channel / QPSK



Date: 31.JUL.2025 01:20:24

**Frequency Stability**

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.7 V. ; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Wenbo Xiao	Temperature :	22~25℃
		Relative Humidity :	48~52%

Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test and record in the report.

LTE Band 7 / 20MHz / QPSK (Ant.13)									
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	5052.00	-58.33	-25	-33.33	-80.13	-63.89	7.14	12.70	H
	7578.00	-49.49	-25	-24.49	-75.21	-52.79	8.30	11.60	H
	10104.00	-51.61	-25	-26.61	-81.78	-53.13	10.48	12.00	H
	5052.00	-56.61	-25	-31.61	-78.53	-62.17	7.14	12.70	V
	7578.00	-51.33	-25	-26.33	-77.01	-54.63	8.30	11.60	V
	10104.00	-52.69	-25	-27.69	-81.46	-54.21	10.48	12.00	V

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

LTE Band 13 / 5MHz / QPSK (Ant.31)									
Channel	Frequency (MHz)	ERP (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	1559.5	-65.55	-42.15	-23.40	-75.10	-68.80	4.00	9.40	H
	2339.25	-62.60	-13	-49.60	-76.92	-66.17	4.88	10.60	H
	3119	-60.94	-13	-47.94	-77.42	-65.87	5.52	12.60	H
	1559.5	-62.29	-42.15	-20.14	-71.92	-65.54	4.00	9.40	V
	2339.25	-62.32	-13	-49.32	-76.64	-65.89	4.88	10.60	V
	3119	-61.34	-13	-48.34	-77.86	-66.27	5.52	12.60	V

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

LTE Band 13 / 10MHz / QPSK (Ant.31)									
Channel	Frequency (MHz)	ERP (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	1564	-65.16	-42.15	-23.01	-74.71	-68.41	4.00	9.40	H
	2346	-62.71	-13	-49.71	-77.03	-66.28	4.88	10.60	H
	3128	-61.20	-13	-48.20	-77.68	-66.13	5.52	12.60	H
	1564	-65.44	-42.15	-23.29	-75.07	-68.69	4.00	9.40	V
	2346	-62.68	-13	-49.68	-77.00	-66.25	4.88	10.60	V
	3128	-60.85	-13	-47.85	-77.37	-65.78	5.52	12.60	V

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



LTE Band 41 / 20MHz / QPSK (Ant.13)									
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	5168.00	-58.31	-25	-33.31	-79.89	-63.87	7.14	12.70	H
	7752.00	-50.65	-25	-25.65	-76.64	-53.95	8.30	11.60	H
	10336.00	-52.02	-25	-27.02	-82.05	-53.54	10.48	12.00	H
	5168.00	-55.55	-25	-30.55	-77.4	-61.11	7.14	12.70	V
	7752.00	-51.57	-25	-26.57	-77.41	-54.87	8.30	11.60	V
	10336.00	-52.71	-25	-27.71	-81.83	-54.23	10.48	12.00	V

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