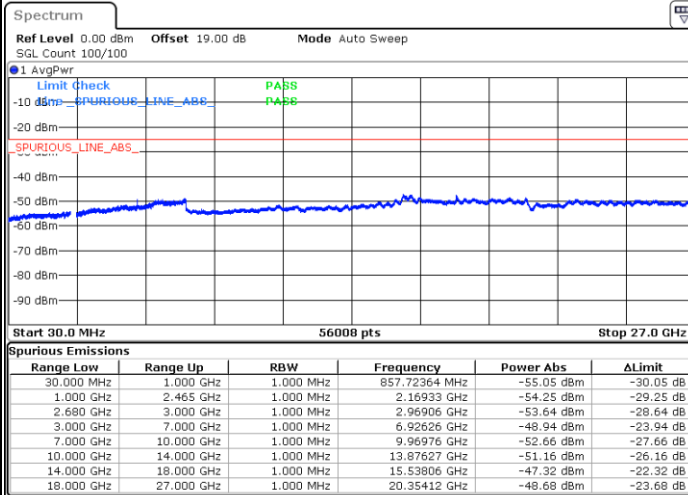




Conducted Spurious Emission

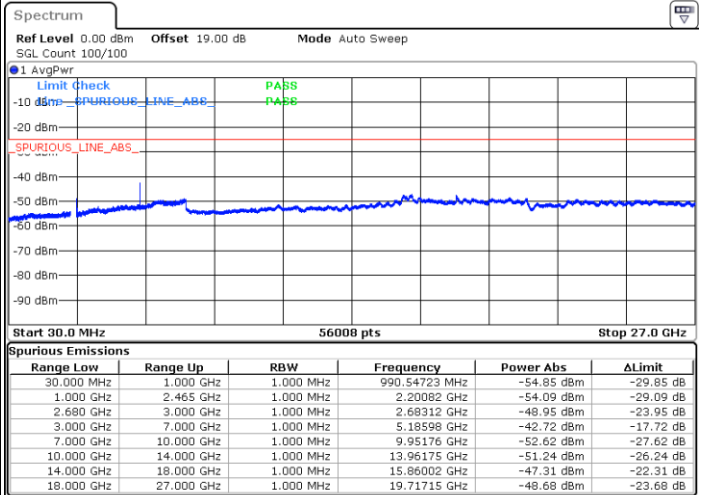
LTE Band 41 / 5MHz

Lowest Channel / QPSK



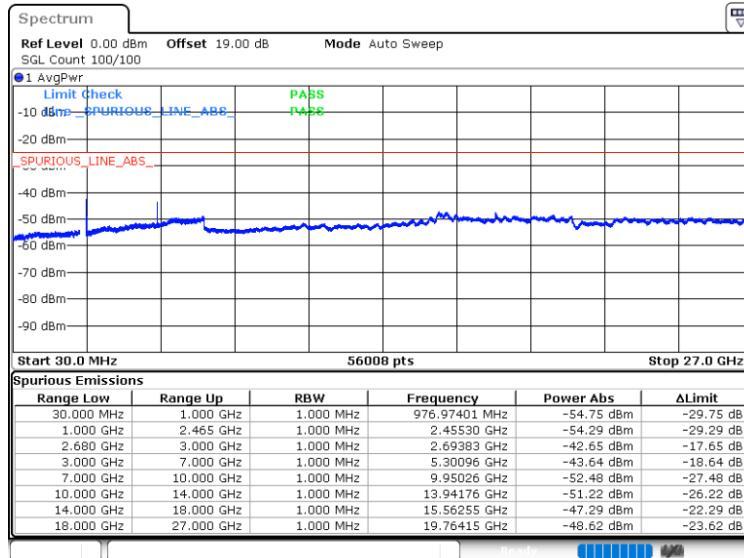
Date: 24.JUL.2025 00:45:37

Middle Channel / QPSK



Date: 24.JUL.2025 00:46:56

Highest Channel / QPSK



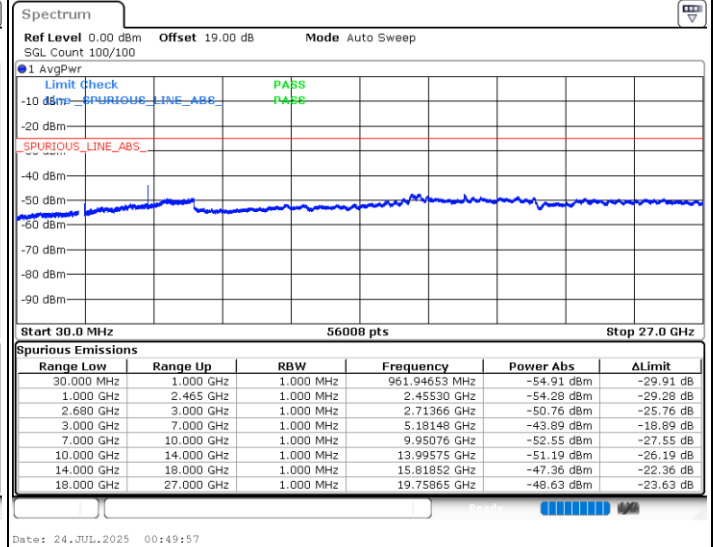
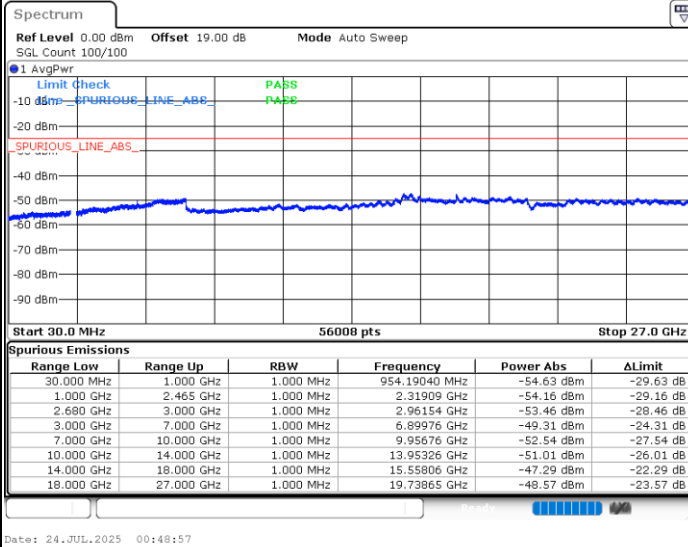
Date: 24.JUL.2025 00:47:58



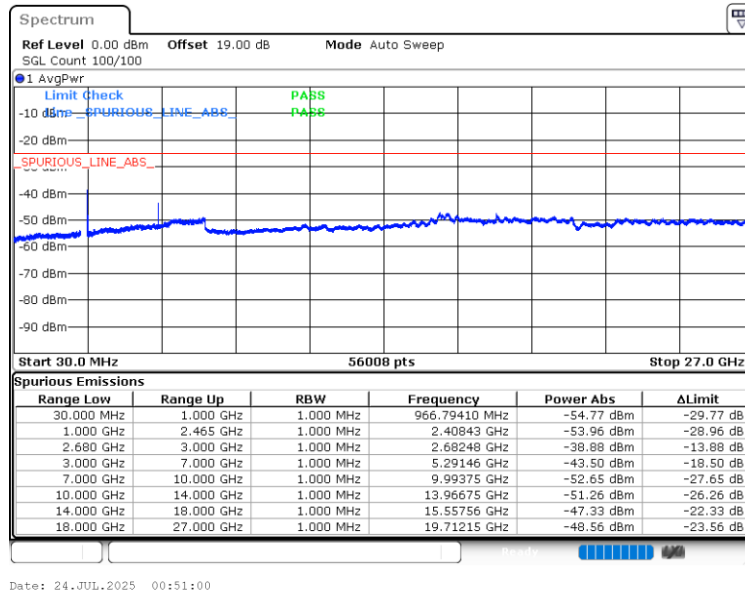
LTE Band 41 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



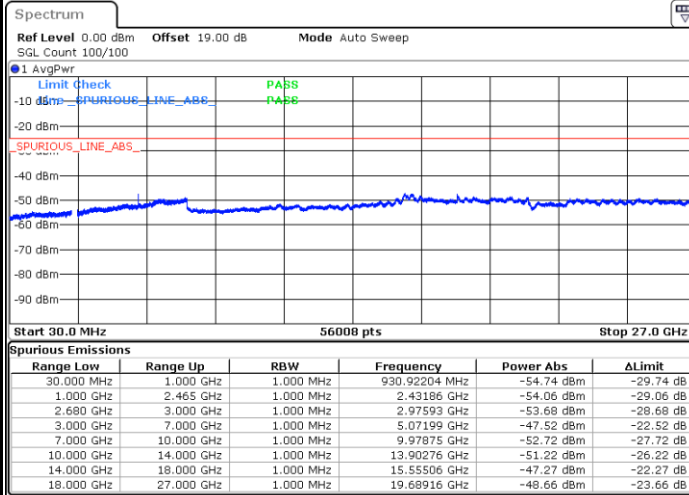
Highest Channel / QPSK





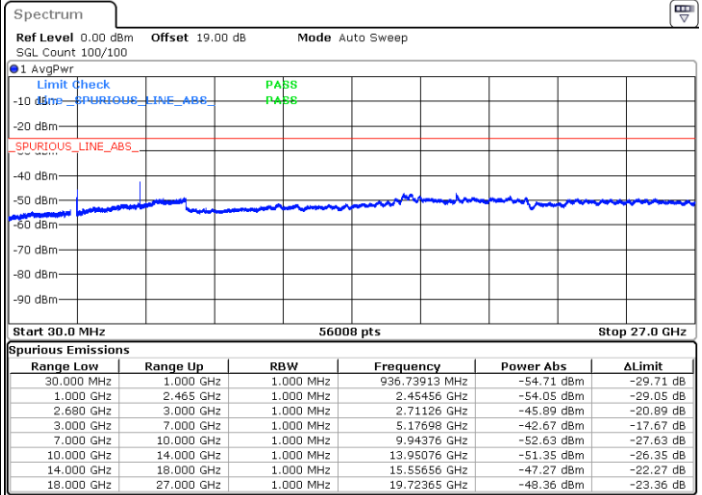
LTE Band 41 / 15MHz

Lowest Channel / QPSK



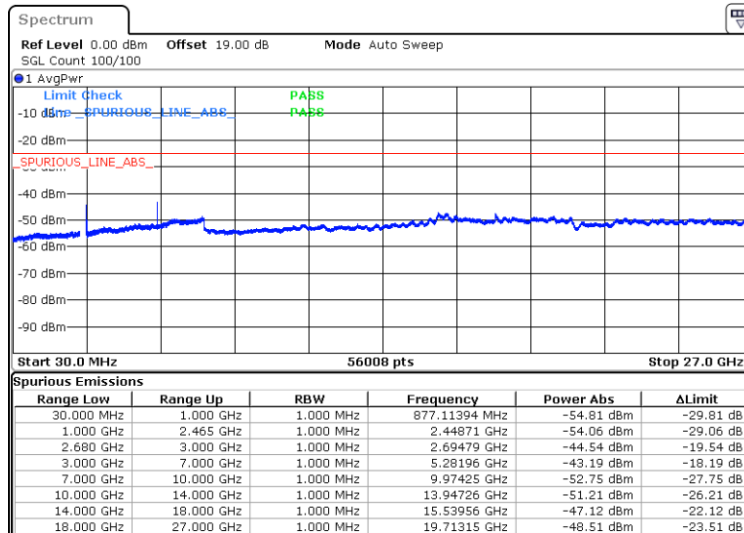
Date: 24.JUL.2025 00:52:06

Middle Channel / QPSK



Date: 24.JUL.2025 00:53:00

Highest Channel / QPSK



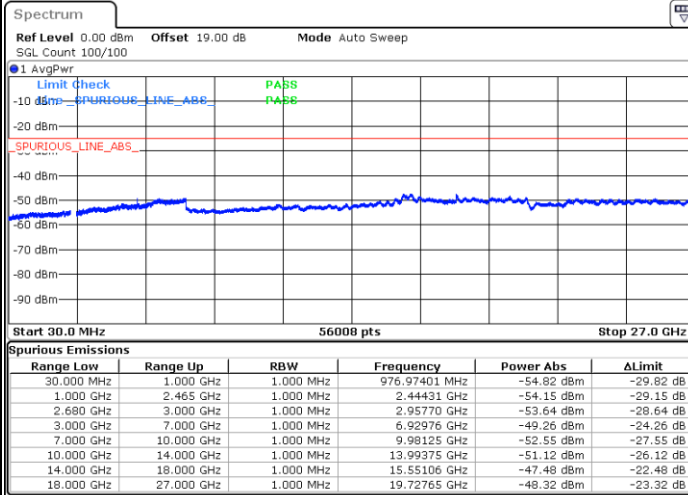
Date: 24.JUL.2025 00:54:17



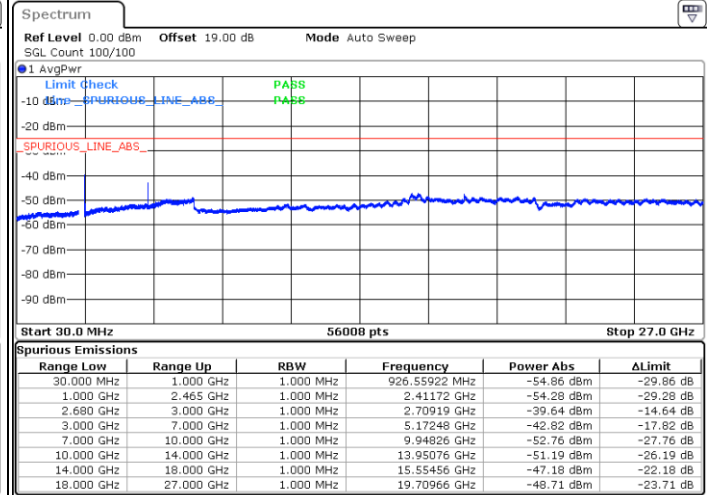
LTE Band 41 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

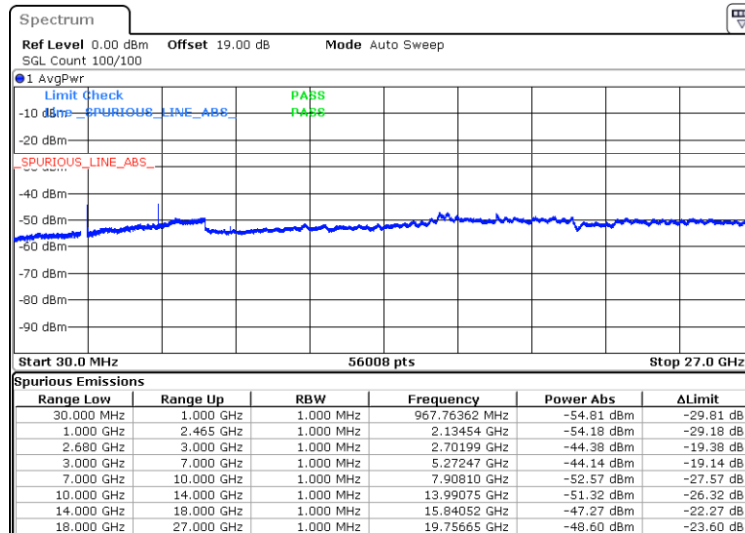


Date: 24.JUL.2025 00:55:34



Date: 24.JUL.2025 00:56:37

Highest Channel / QPSK



Date: 24.JUL.2025 00:57:50

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	0.0003	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage = 3.91 V.; Battery End Point (BEP) = 3.7 V.; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Jia Kuang	Temperature :	22~25℃
		Relative Humidity :	48~52%

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

LTE Band 7 / 20MHz / QPSK / ANT31									
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	-56.02	-25	-31.02	-77.82	-61.58	7.14	12.70	H
	7578.00	-55.09	-25	-30.09	-80.81	-58.39	8.30	11.60	H
	10104.00	-51.29	-25	-26.29	-81.46	-52.81	10.48	12.00	H
	5052.00	-57.26	-25	-32.26	-79.18	-62.82	7.14	12.70	V
	7578.00	-54.85	-25	-29.85	-80.53	-58.15	8.30	11.60	V
	10104.00	-53.16	-25	-28.16	-81.93	-54.68	10.48	12.00	V

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

LTE Band 13 / 5MHz / QPSK / ANT31									
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	-62.50	-42.15	-20.35	-72.05	-65.75	4.00	9.40	H
	2339.25	-61.99	-13	-48.99	-76.31	-65.56	4.88	10.60	H
	3119	-60.24	-13	-47.24	-76.72	-65.17	5.52	12.60	H
	1559.5	-65.02	-42.15	-22.87	-74.65	-68.27	4.00	9.40	V
	2339.25	-62.16	-13	-49.16	-76.48	-65.73	4.88	10.60	V
	3119	-60.30	-13	-47.30	-76.82	-65.23	5.52	12.60	V

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

LTE Band 13 / 10MHz / QPSK / ANT31									
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	-64.89	-42.15	-22.74	-74.44	-68.14	4.00	9.40	H
	2346	-62.09	-13	-49.09	-76.41	-65.66	4.88	10.60	H
	3128	-60.56	-13	-47.56	-77.04	-65.49	5.52	12.60	H
	1564	-64.52	-42.15	-22.37	-74.15	-67.77	4.00	9.40	V
	2346	-62.13	-13	-49.13	-76.45	-65.70	4.88	10.60	V
	3128	-60.50	-13	-47.50	-77.02	-65.43	5.52	12.60	V

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



LTE Band 41 / 20MHz / QPSK / ANT31									
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	5178.00	-59.46	-25	-34.46	-81.02	-65.02	7.14	12.70	H
	7767.00	-54.52	-25	-29.52	-80.55	-57.82	8.30	11.60	H
	10356.00	-50.51	-25	-25.51	-80.53	-52.03	10.48	12.00	H
	5178.00	-59.35	-25	-34.35	-81.2	-64.91	7.14	12.70	V
	7767.00	-54.91	-25	-29.91	-80.78	-58.21	8.30	11.60	V
	10356.00	-52.15	-25	-27.15	-81.3	-53.67	10.48	12.00	V

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