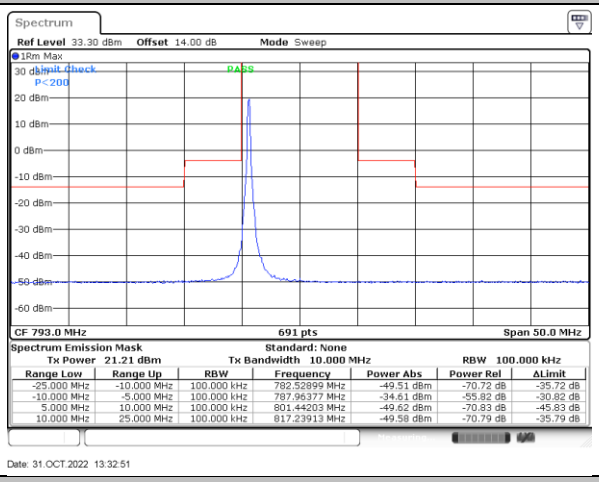
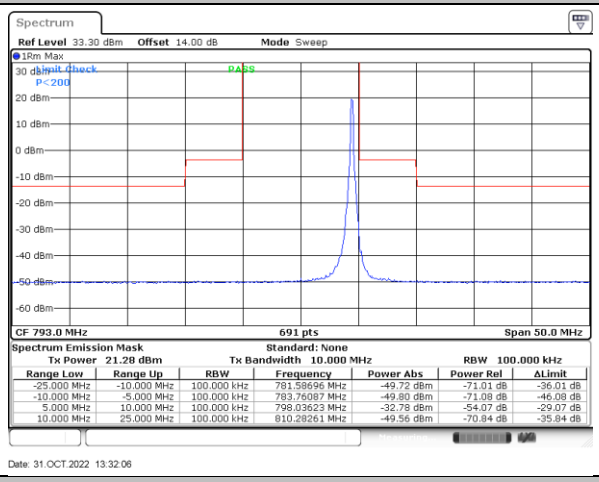
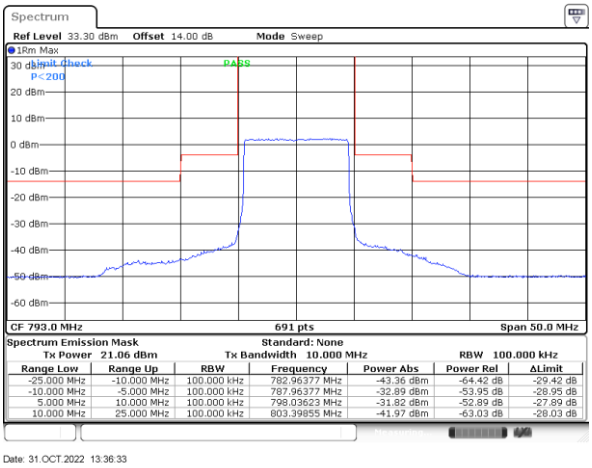
LTE Band 14 / 10MHz / QPSK

Middle Channel / 1RB



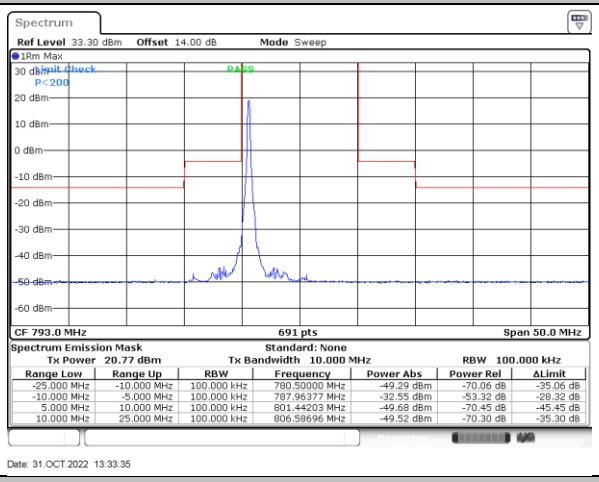


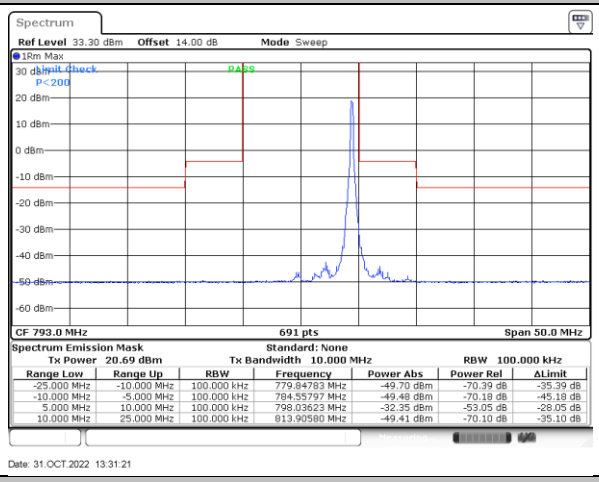
Middle Channel / Full RB



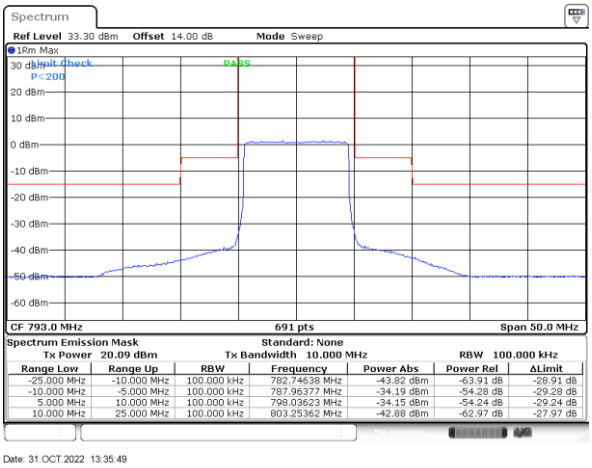
LTE Band 14 / 10MHz / 16QAM

Middle Channel / 1RB



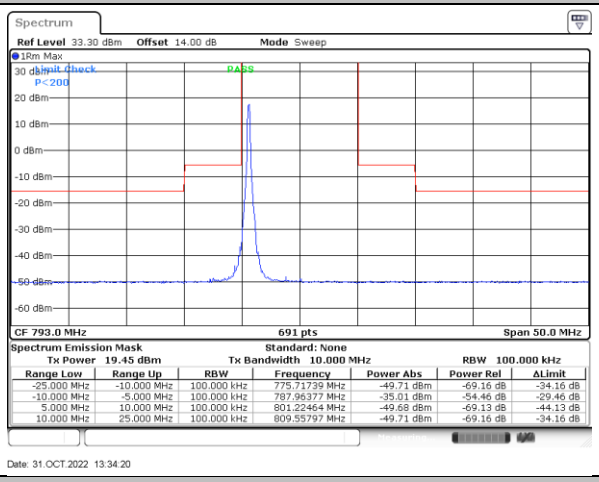


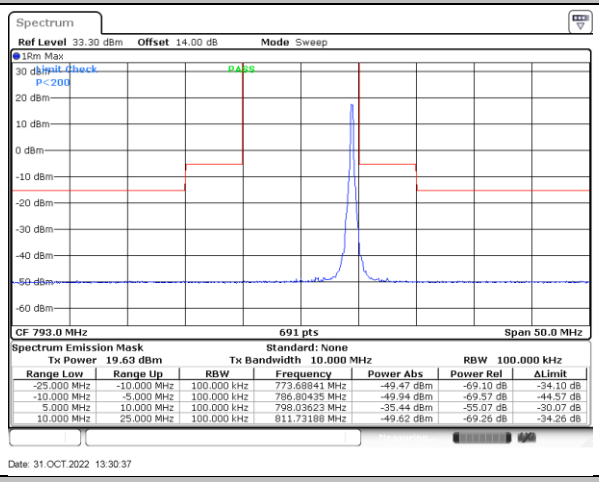
Middle Channel / Full RB



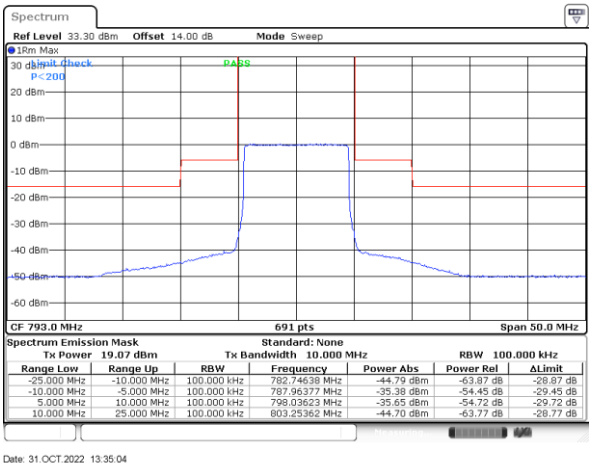
LTE Band 14 / 10MHz / 64QAM

Middle Channel / 1RB





Middle Channel / Full RB



Frequency Stability

Test Conditions		LTE Band 14 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0019	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0168	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0158	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0154	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.

2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Field Strength of Spurious Radiated

Test Engineer :	Shun ping You	Temperature :	22~25℃
		Relative Humidity :	48~52%

LTE Band 14_Ant.0 / QPSK / RB Size 1 Offset 0									
Bandwidth	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)
10MHz	1577	-62.16	-42.15	-20.01	-68.59	-65.41	4.00	9.40	H
	2365.5	-49.98	-13	-36.98	-60.55	-53.55	4.88	10.60	H
	3154	-63.56	-13	-50.56	-76.38	-68.49	5.52	12.60	H
	1577	-60.18	-42.15	-18.03	-66.83	-63.43	4.00	9.40	V
	2365.5	-43.63	-13	-30.63	-54.60	-47.20	4.88	10.60	V
	3154	-63.02	-13	-50.02	-76.39	-67.95	5.52	12.60	V
	Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.								
Test Result					PASS				