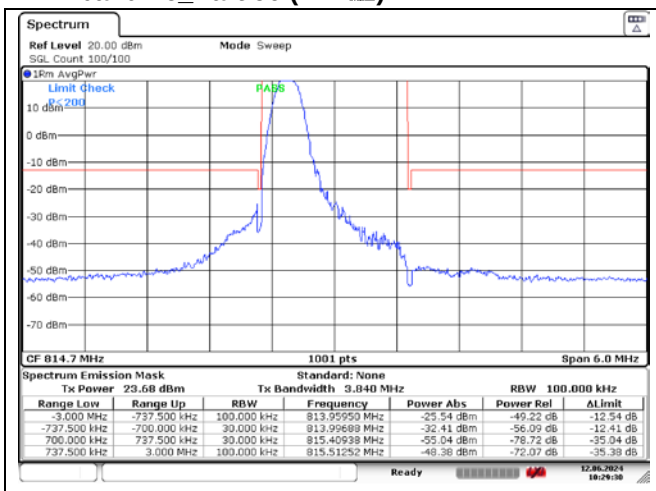
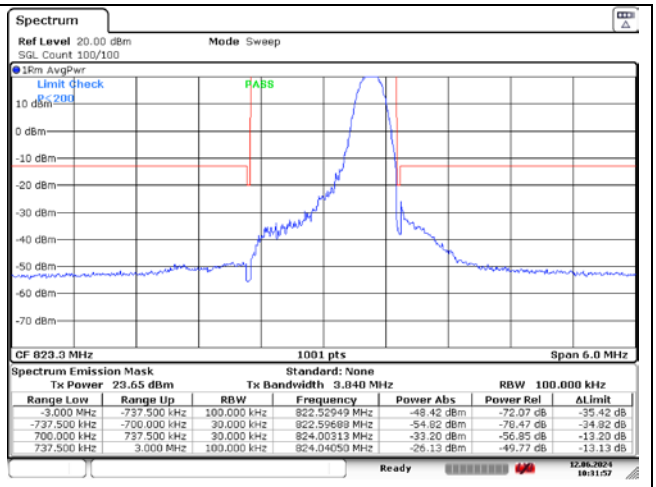
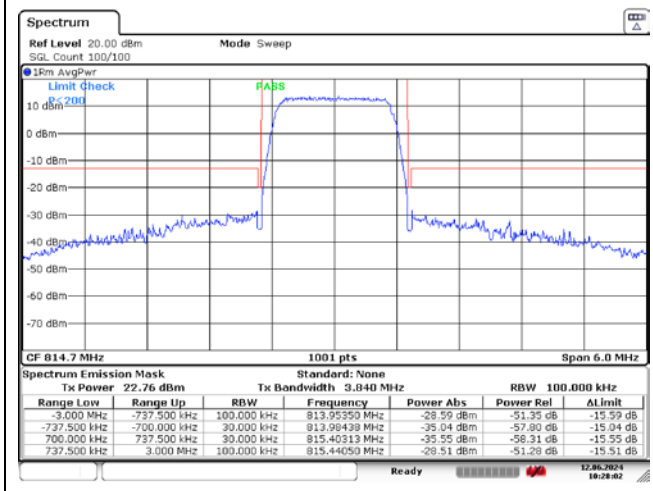
LTE band 26_Part 90 (1.4 ㎒)



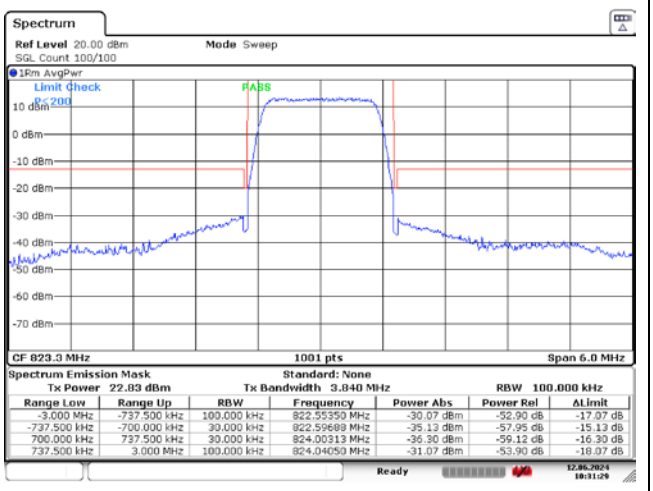
QPSK Low Channel - 1 RB



QPSK High Channel - 1 RB

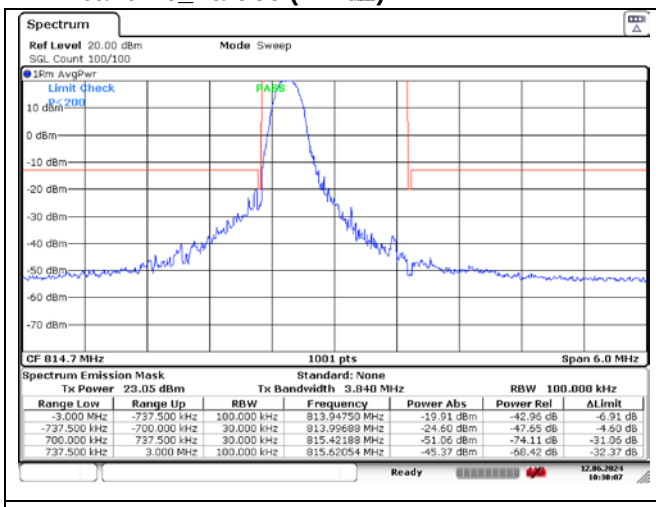


QPSK Low Channel - Full RB

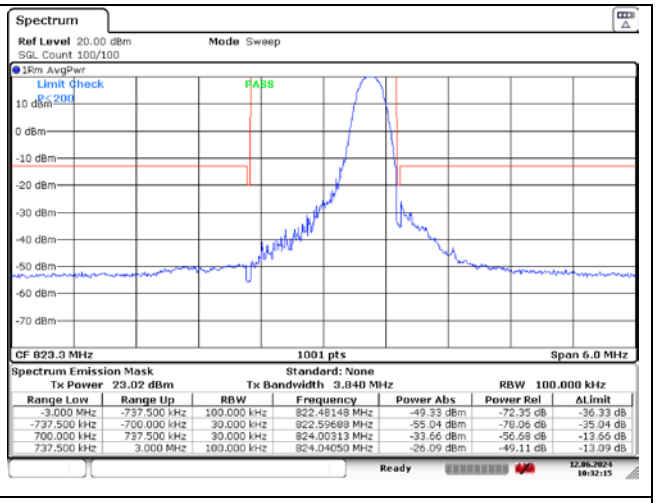


QPSK High Channel - Full RB

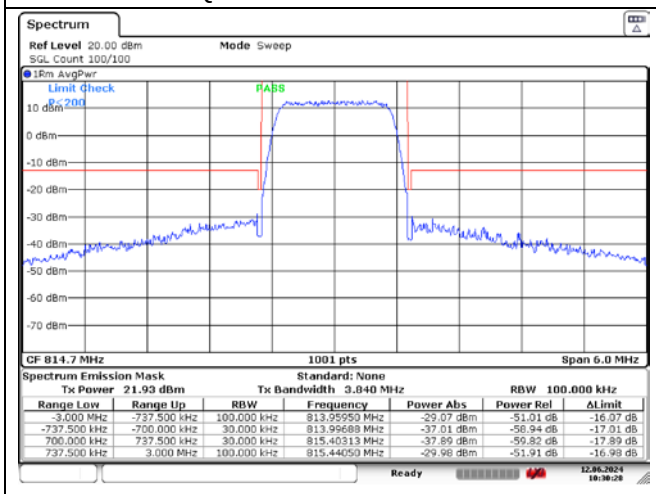
LTE band 26_Part 90 (1.4 ㎒)



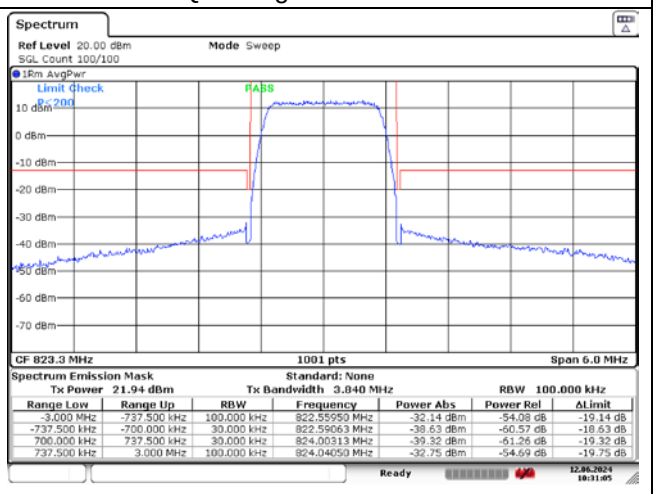
16QAM Low Channel - 1 RB



16QAM High Channel - 1 RB

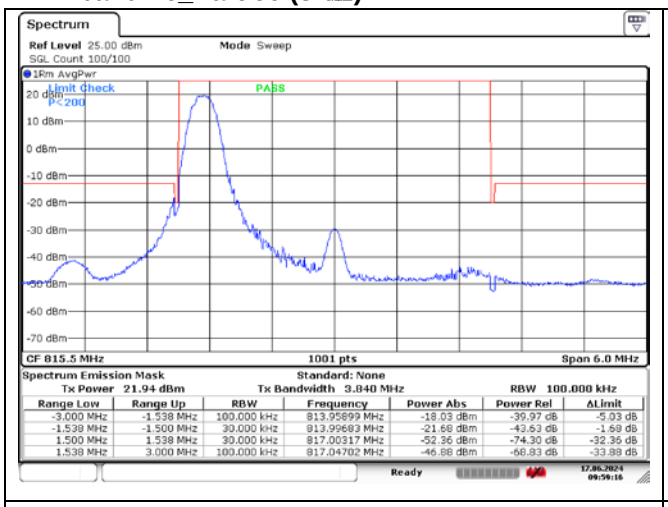


16QAM Low Channel - Full RB

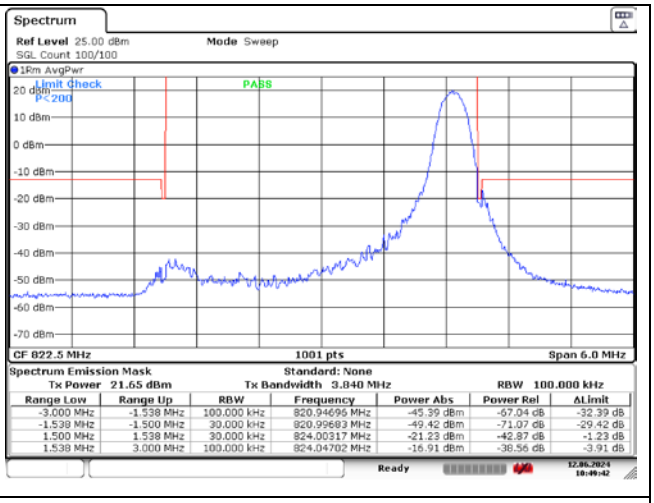


16QAM High Channel - Full RB

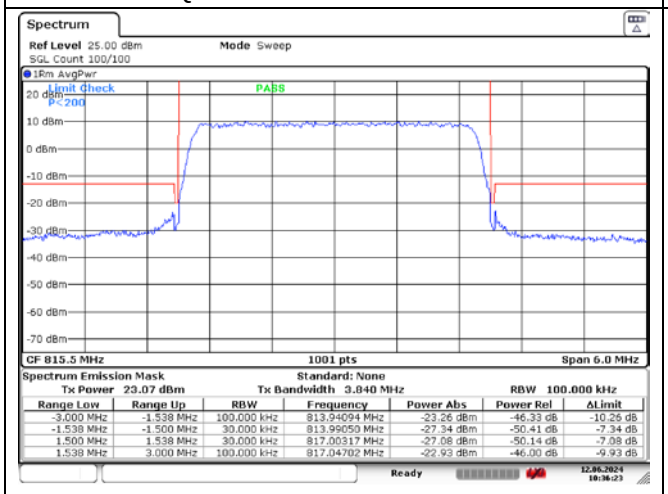
LTE band 26_Part 90 (3 ㎒)



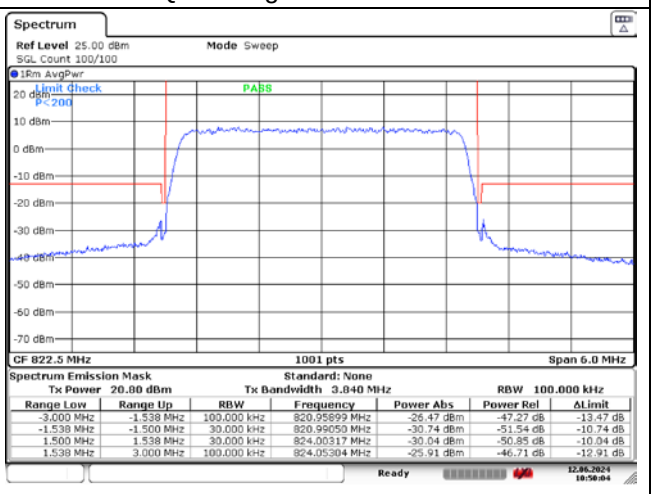
QPSK Low Channel - 1 RB



QPSK High Channel - 1 RB

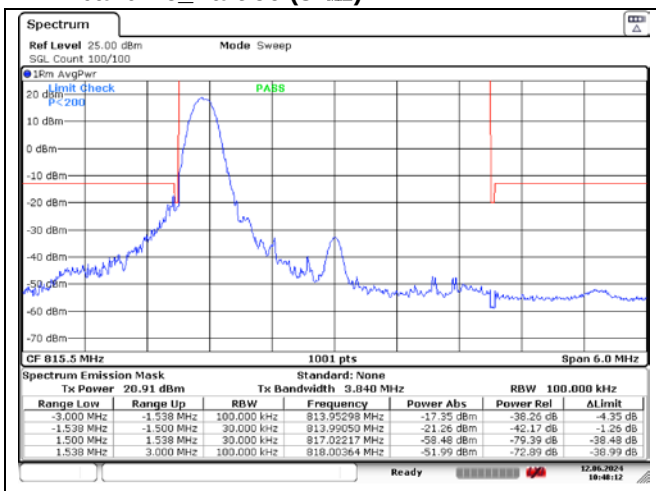


QPSK Low Channel - Full RB

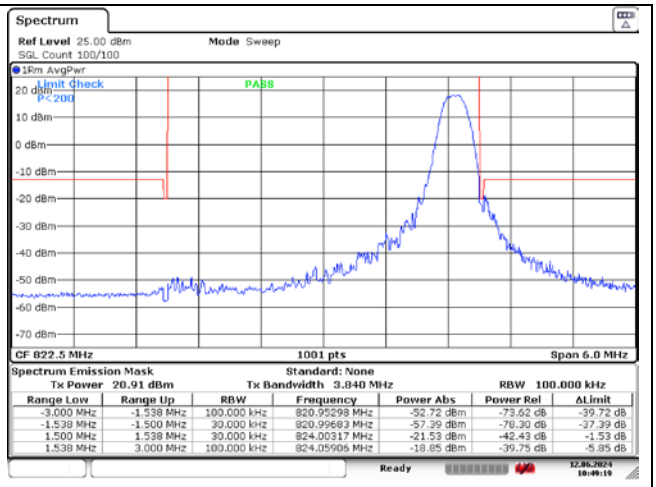


QPSK High Channel - Full RB

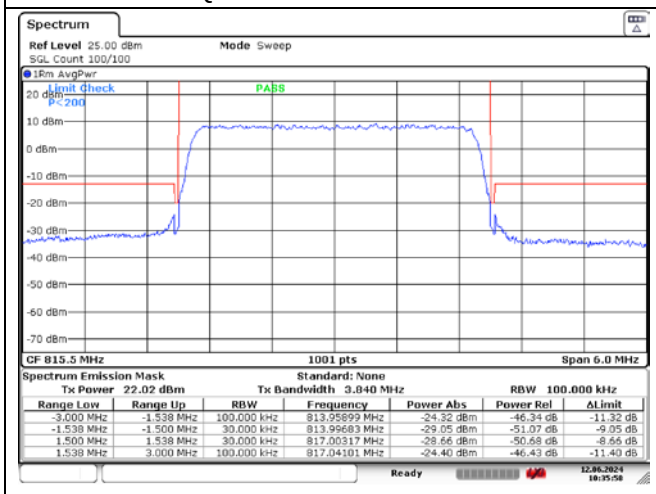
LTE band 26_Part 90 (3 ㎒)



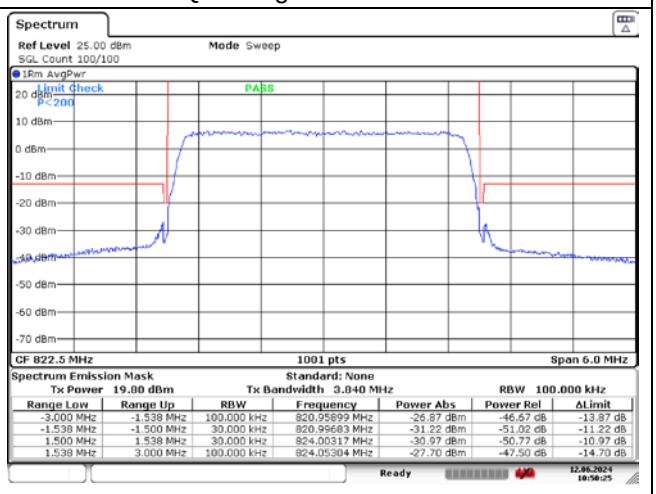
16QAM Low Channel - 1 RB



16QAM High Channel - 1 RB

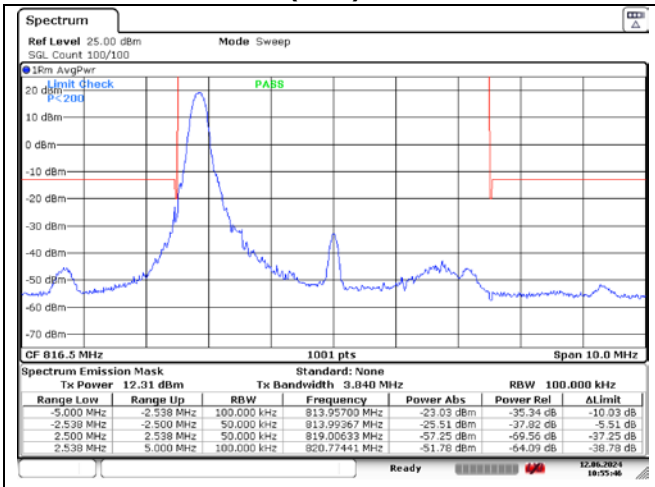


16QAM Low Channel - Full RB

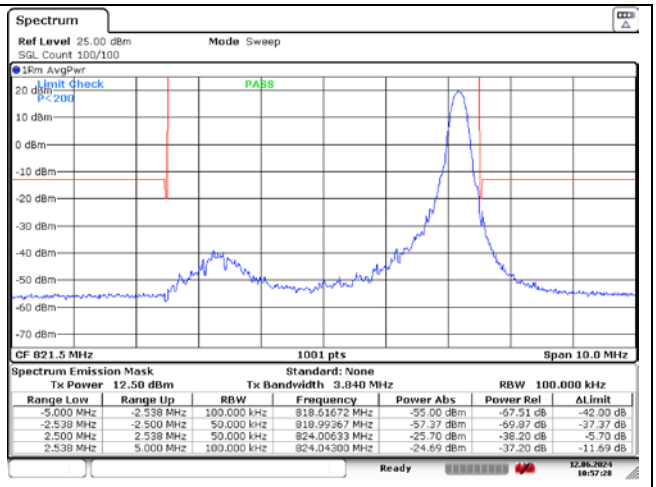


16QAM High Channel - Full RB

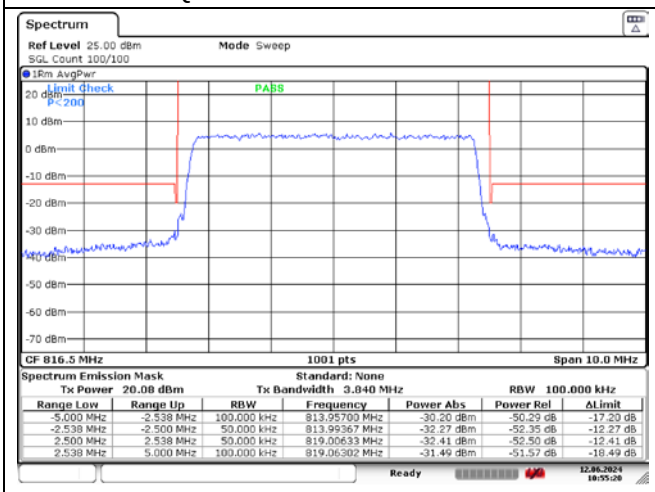
LTE band 26_Part 90 (5 ㎒)



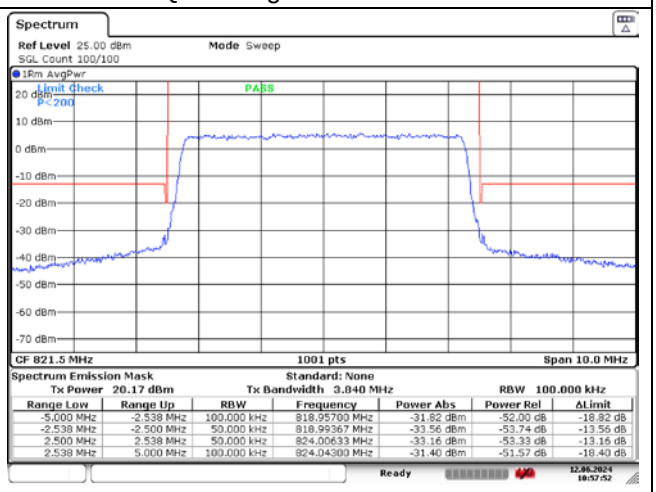
QPSK Low Channel - 1 RB



QPSK High Channel - 1 RB

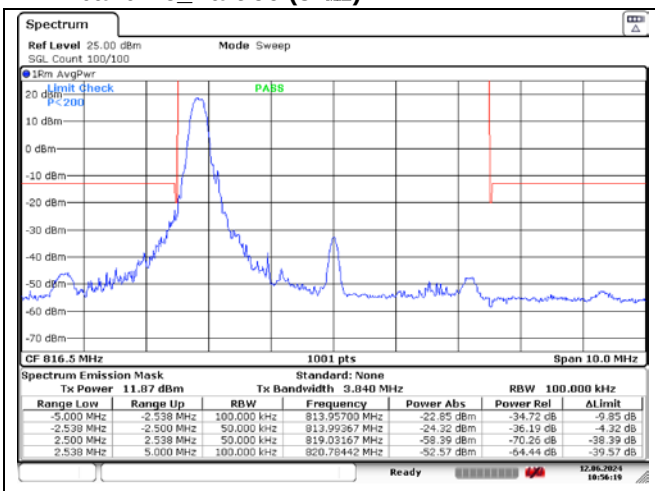


QPSK Low Channel - Full RB

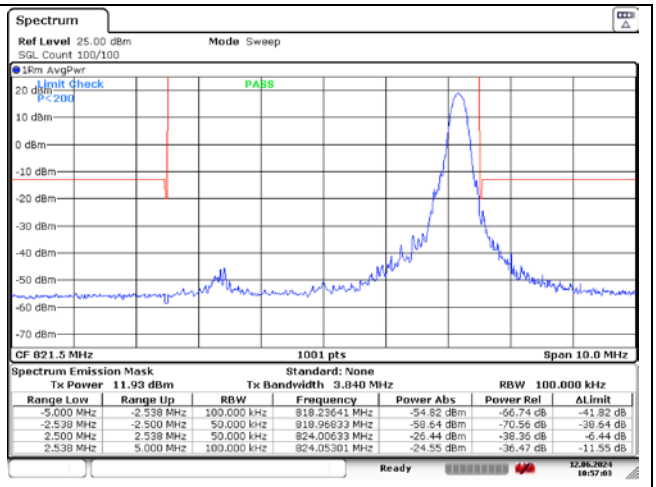


QPSK High Channel - Full RB

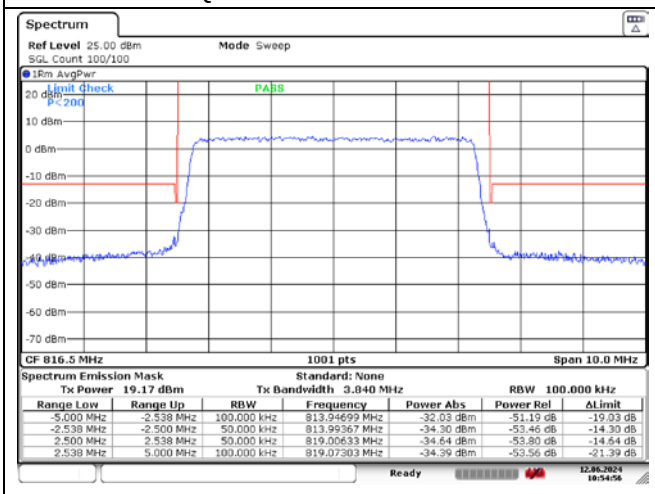
LTE band 26_Part 90 (5 ㎒)



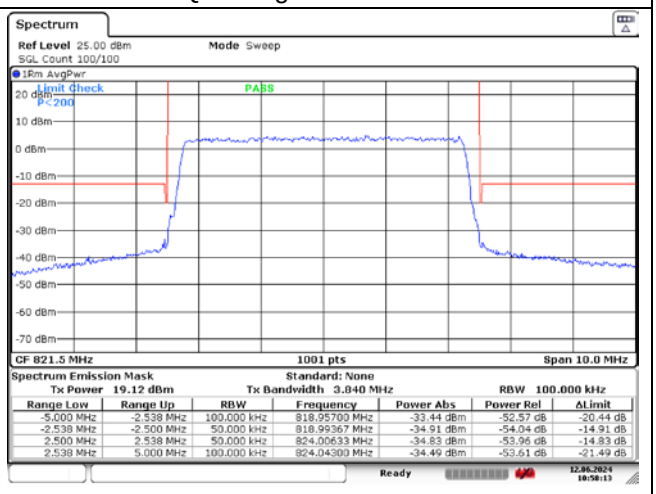
16QAM Low Channel - 1 RB



16QAM High Channel - 1 RB

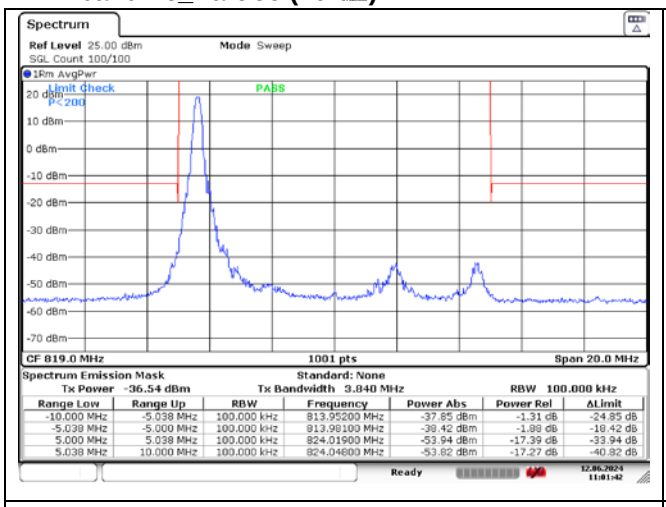


16QAM Low Channel - Full RB

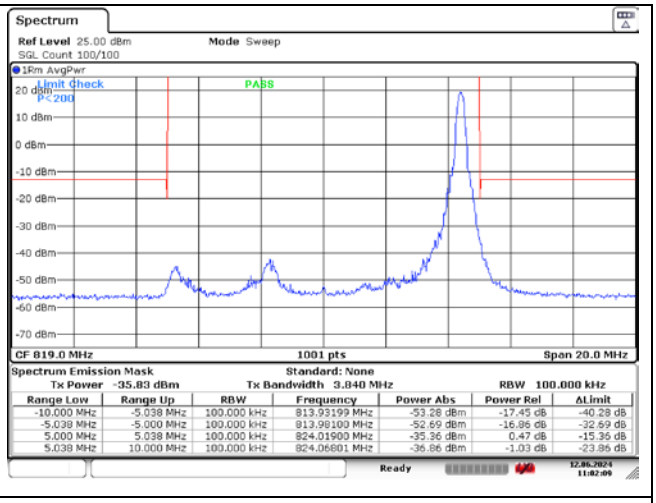


16QAM High Channel - Full RB

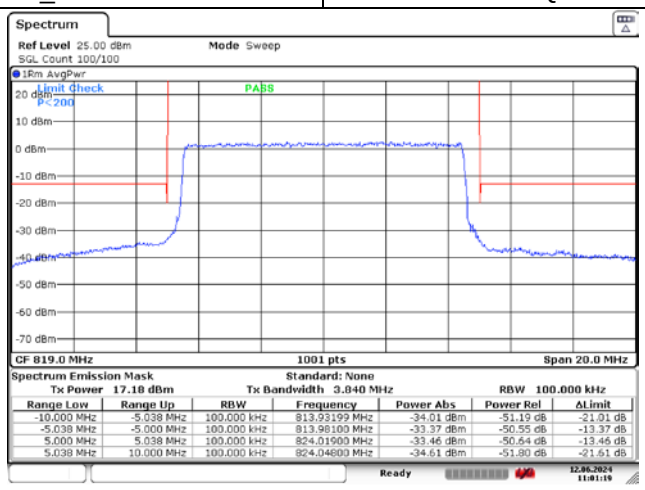
LTE band 26_Part 90 (10 ㎒)



QPSK - 1 RB_Low

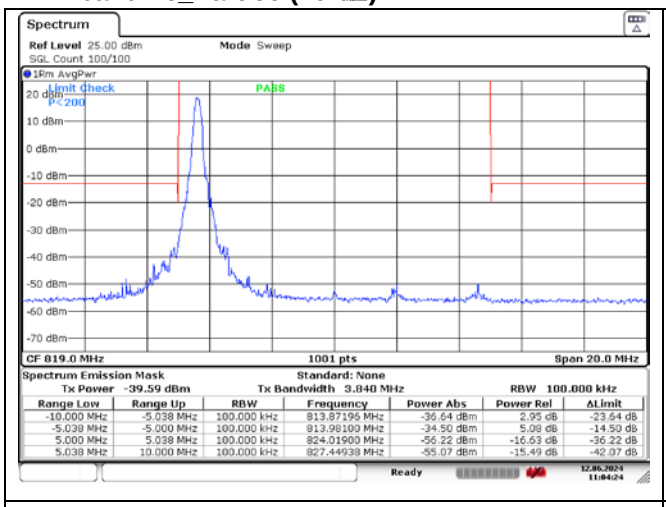


QPSK - 1 RB_High

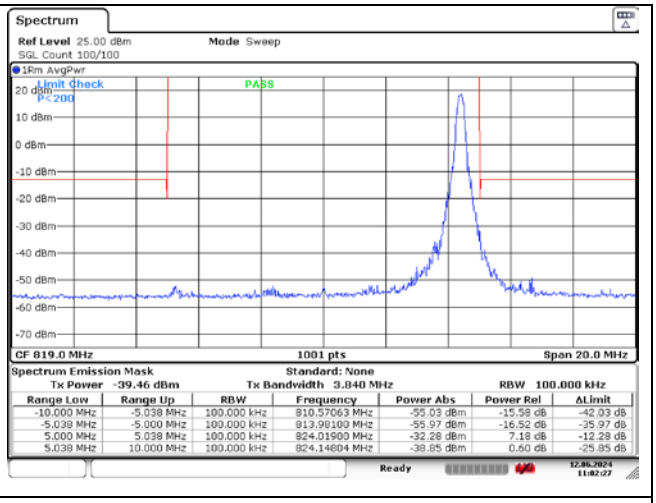


QPSK - Full RB

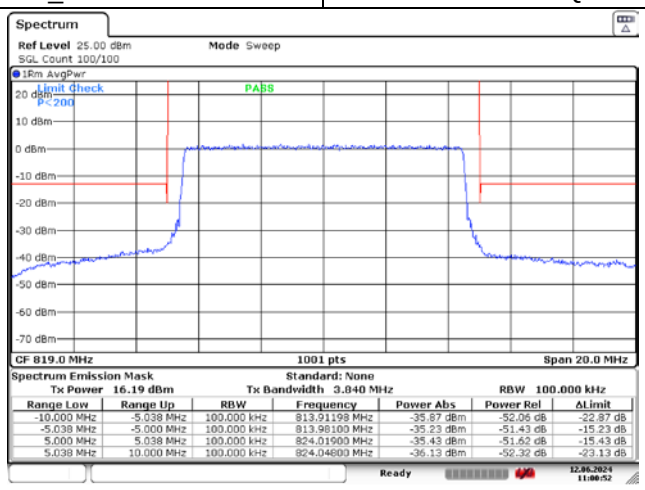
LTE band 26_Part 90 (10 ㎒)



16QAM - 1 RB_Low

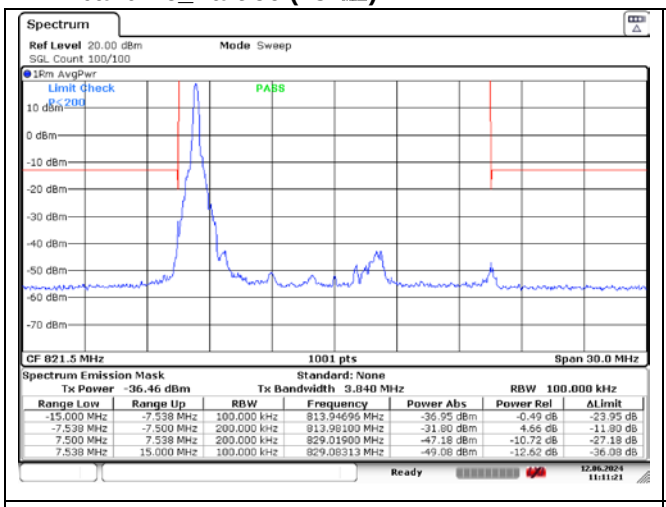


16QAM - 1 RB High

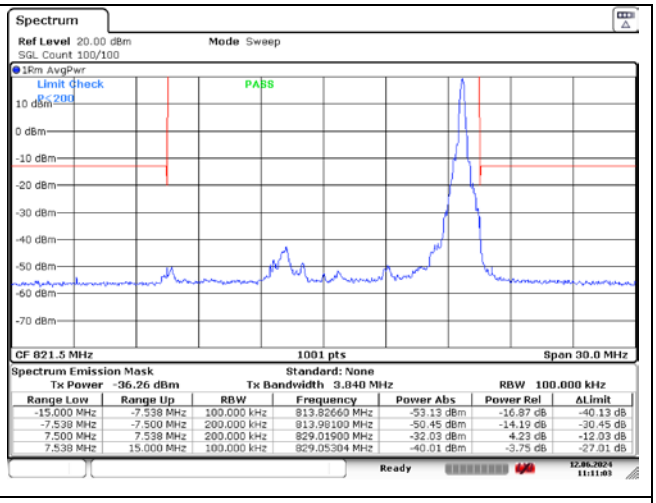


16QAM - Full RB

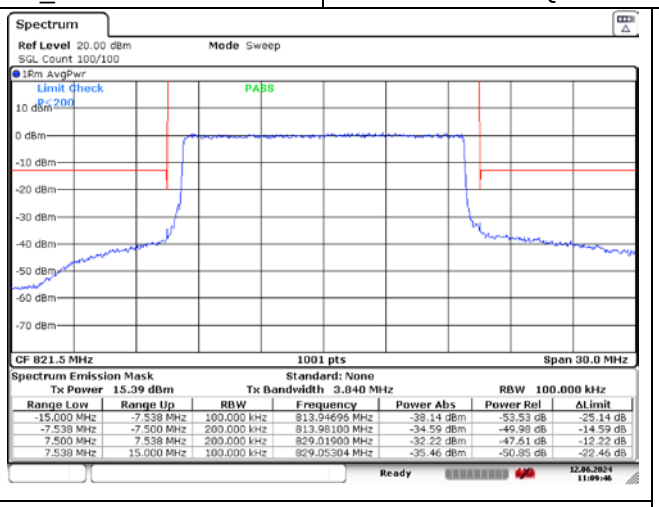
LTE band 26_Part 90 (15 ㎒)



QPSK - 1 RB_Low

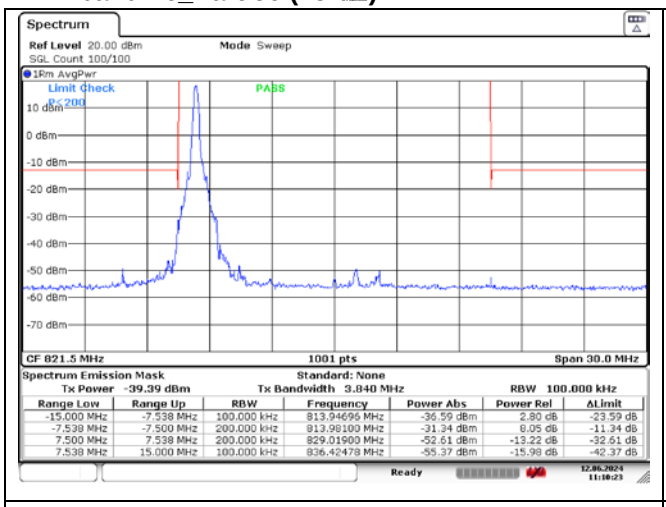


QPSK - 1 RB_High

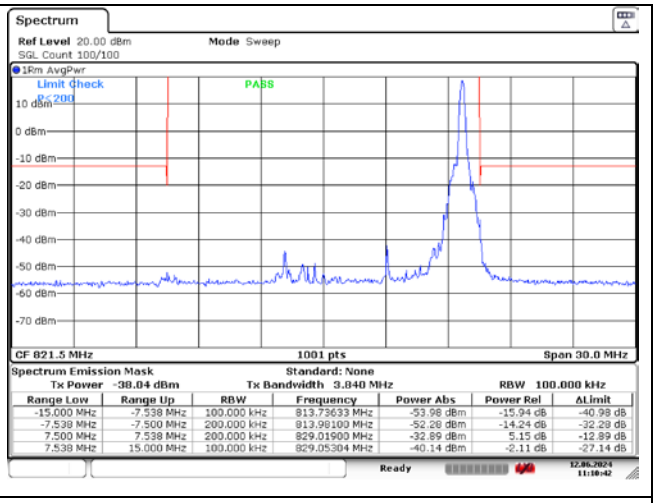


QPSK - Full RB

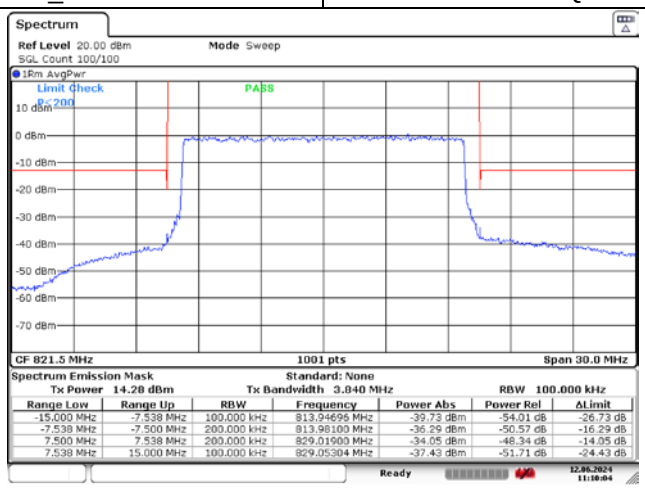
LTE band 26_Part 90 (15 ㎒)



16QAM - 1 RB_Low



16QAM - 1 RB High



16QAM Low Channel - Full RB

8. Frequency Stability

8.1. Limit

FCC
- § 2.1055 (a), § 2.1055 (d) & following:

- §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table of this section.
For Mobile devices operating in the 824 to 849 ㎒ band at a power level less than or equal to 3 Watts, the limit specified in Table C-1 is +/- 2.5 ppm.

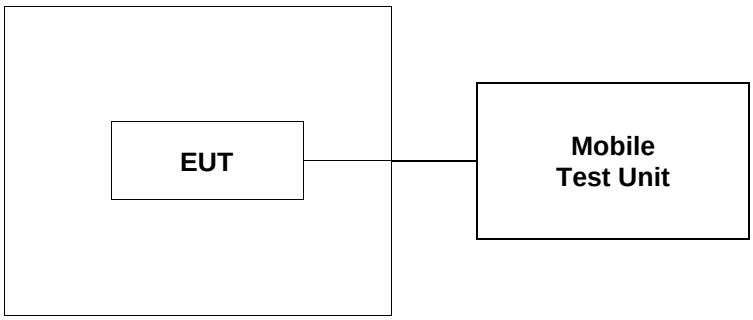
- §90.213, transmitters used in the services governed by this part must have a minimum frequency stability as specified in the following table.
For Mobile devices operating in the 809 to 824 ㎒ band at a power level 2 Watts or less, the limit specified in Table is +/- 2.5 ppm.

IC
- RSS-Gen Issue 5
6.11, for licensed devices, the following measurement conditions apply:
a. at the temperatures of -30°C (-22°F), +20°C (+68°F) and +50°C (+122°F), and at the manufacturer's rated supply voltage

- RSS-132 Issue 4
5.3, The frequency stability shall be sufficient to ensure that the occupied bandwidth stays within each of the sub-bands when tested at the temperature and supply voltage variations specified in RSS-Gen.

8.2. Test Procedure

1. Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to a Mobile Test Unit via feed-through attenuators.
2. The EUT was placed inside the temperature chamber.
3. After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from Mobile Test Unit.



8.3. Test Results

Ambient temperature : (23 ± 1) ℃
Relative humidity : 47 % R.H.

LTE band 26_Part 22 at middle channel

Reference Frequency: 836.5 ㎒			
Frequency Stability versus Temperature			
Environment Temperature (℃)	**Power Supplied (V)**	**Frequency Measure with Time Elapse**	
		Frequency Error (㎐)	**ppm**
50	13.50	8.16	0.000 72
40		5.29	-0.002 71
30		10.31	0.003 29
20(Ref.)		7.56	-
10		7.05	-0.000 61
0		9.52	0.002 34
-10		12.88	0.006 36
-20		9.79	0.002 67
-30		4.51	-0.003 65
Frequency Stability versus Power Supply			
Environment Temperature (℃)	**Power Supplied (V)**	**Frequency Measure with Time Elapse**	
		Frequency Error (㎐)	**ppm**
20	11.475 (85%)	9.01	0.001 73
	15.525 (115%)	10.53	0.003 55

LTE band 26_Part 90 at middle channel

Reference Frequency: 819 ㎒			
Frequency Stability versus Temperature			
Environment Temperature (℃)	**Power Supplied (V)**	**Frequency Measure with Time Elapse**	
		Frequency Error (㎐)	**ppm**
50	13.50	6.21	-0.003 18
40		9.95	0.001 60
30		4.60	-0.005 24
20(Ref.)		8.70	-
10		1.35	-0.009 40
0		4.21	-0.005 74
-10		9.76	0.001 36
-20		12.68	0.005 09
-30		6.35	-0.003 01
Frequency Stability versus Power Supply			
Environment Temperature (℃)	**Power Supplied (V)**	**Frequency Measure with Time Elapse**	
		Frequency Error (㎐)	**ppm**
20	11.475 (85%)	7.63	0.006 90
	15.525 (115%)	10.37	0.010 35

- End of the Test Report -