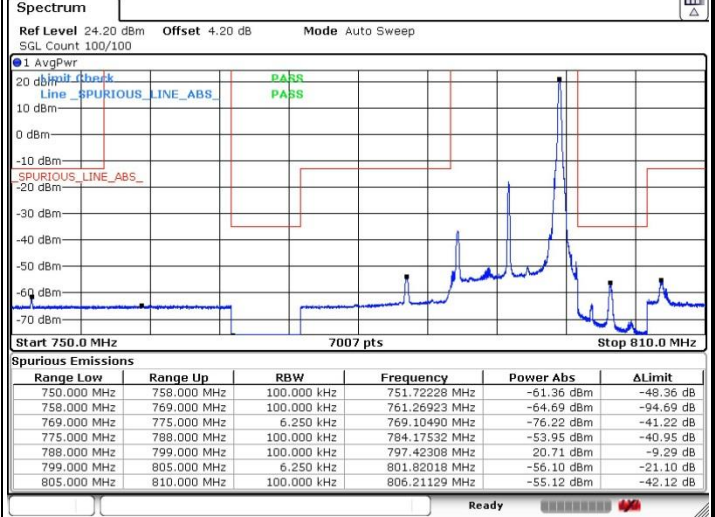
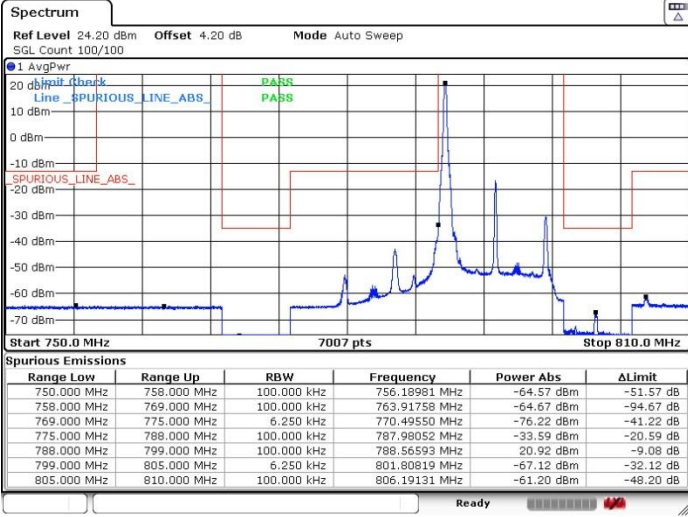


**LTE Band 14 / 10MHz / 64QAM**

**Lowest Band Edge / 1 RB**

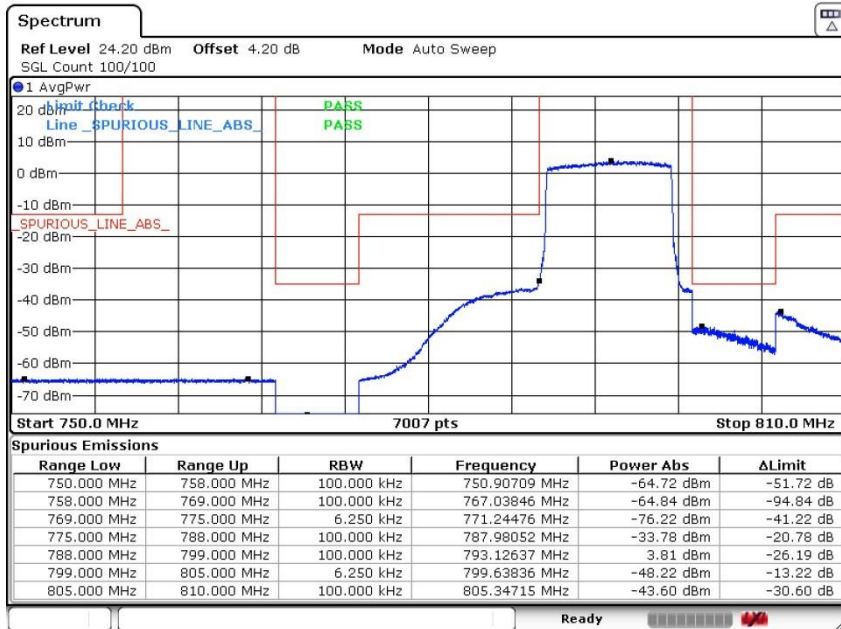
**Highest Band Edge / 1 RB**



Date: 20 JAN 2020 15:34:02

Date: 20 JAN 2020 15:34:49

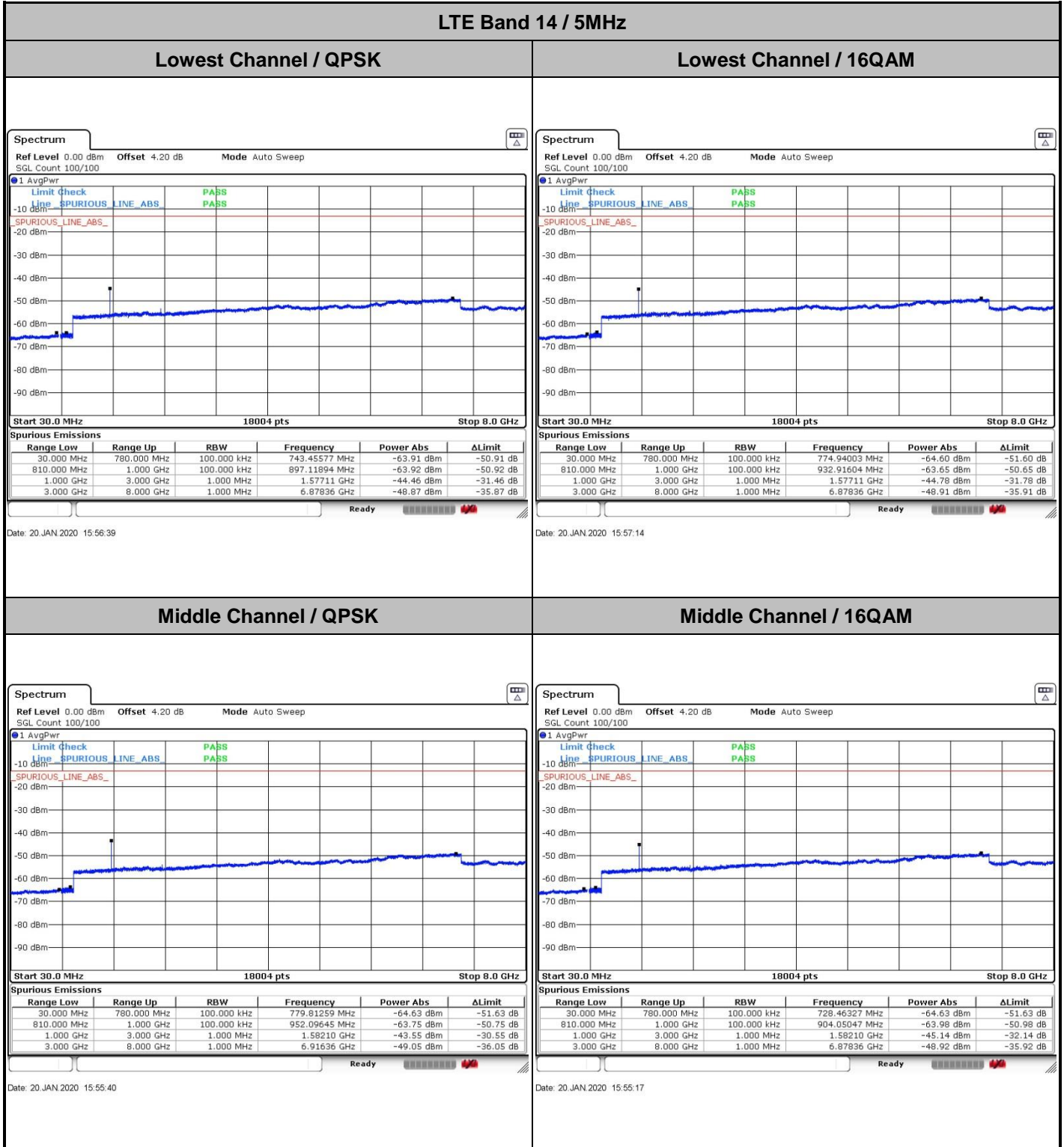
**Band Edge / Full RB**



Date: 20 JAN 2020 15:29:26



# Conducted Spurious Emission

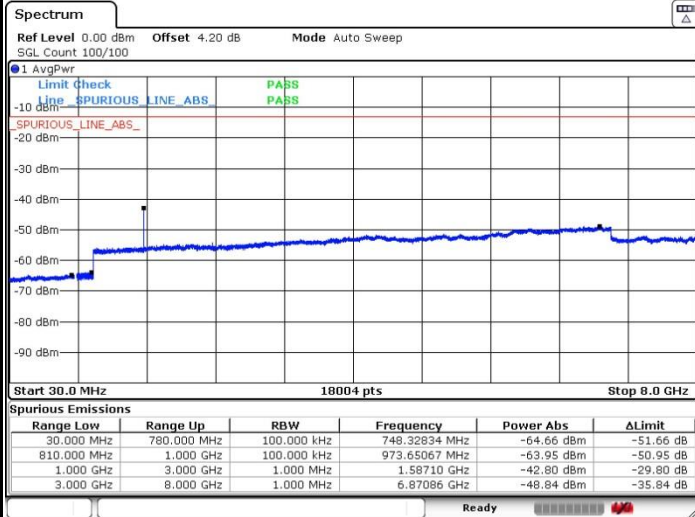




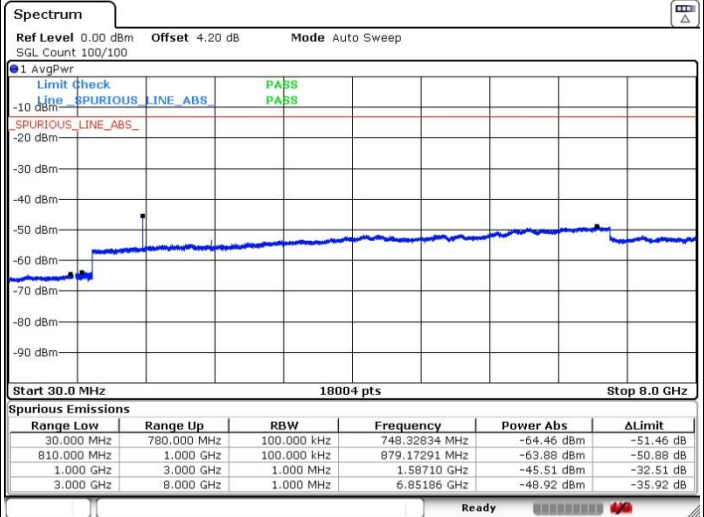
LTE Band 14 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 20 JAN 2020 15:59:57

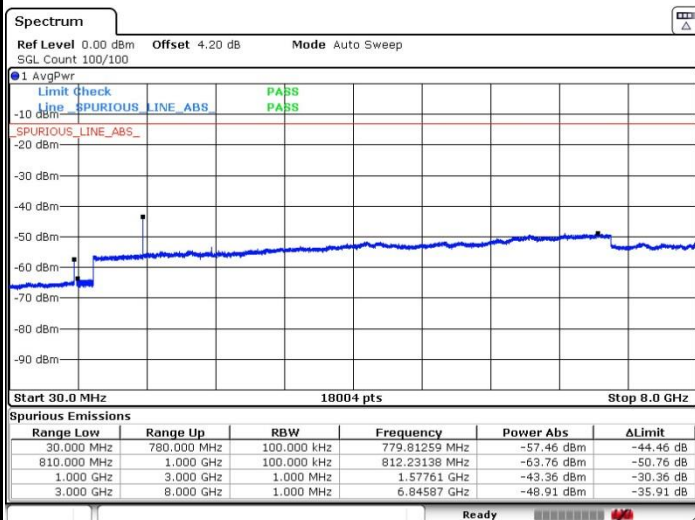


Date: 20 JAN 2020 15:59:31

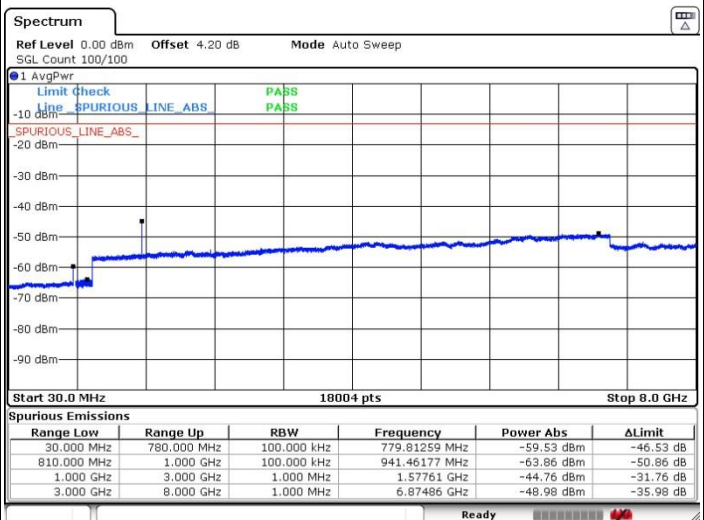
LTE Band 14 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 20 JAN 2020 15:51:39



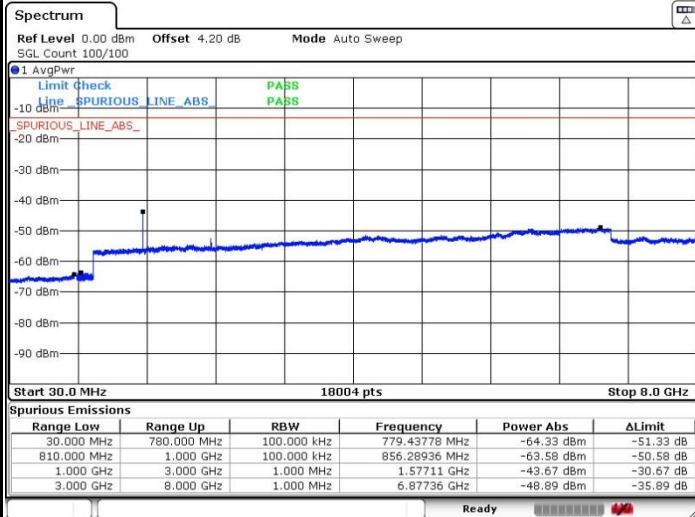
Date: 20 JAN 2020 15:52:39



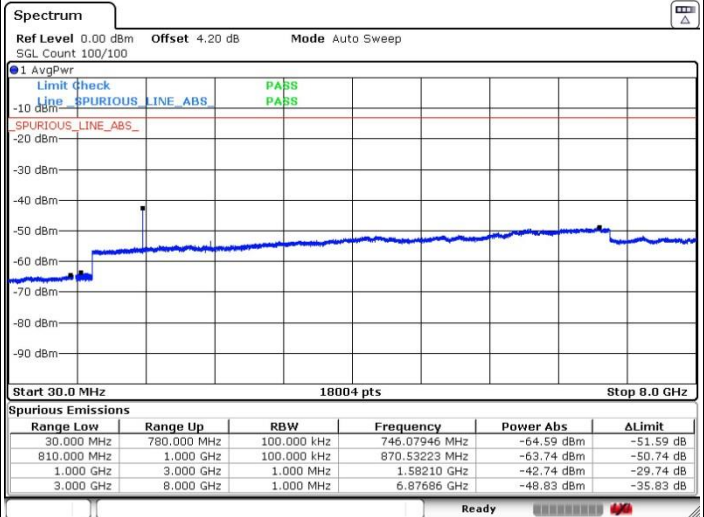
LTE Band 14 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

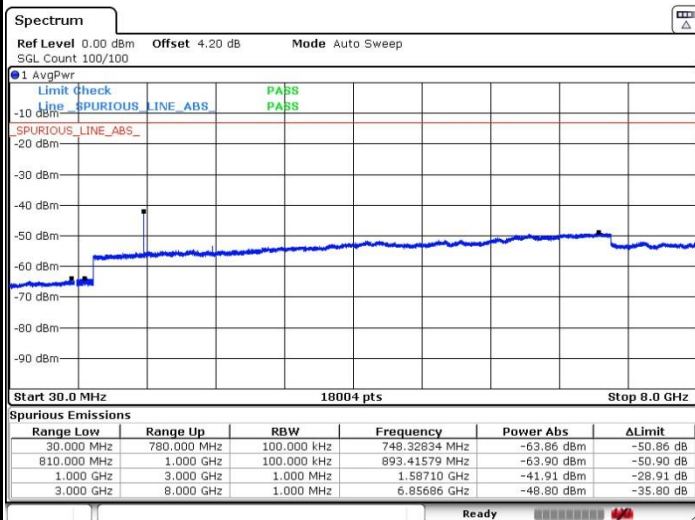


Date: 20 JAN 2020 15:57:40



Date: 20 JAN 2020 15:54:47

Highest Channel / 64QAM

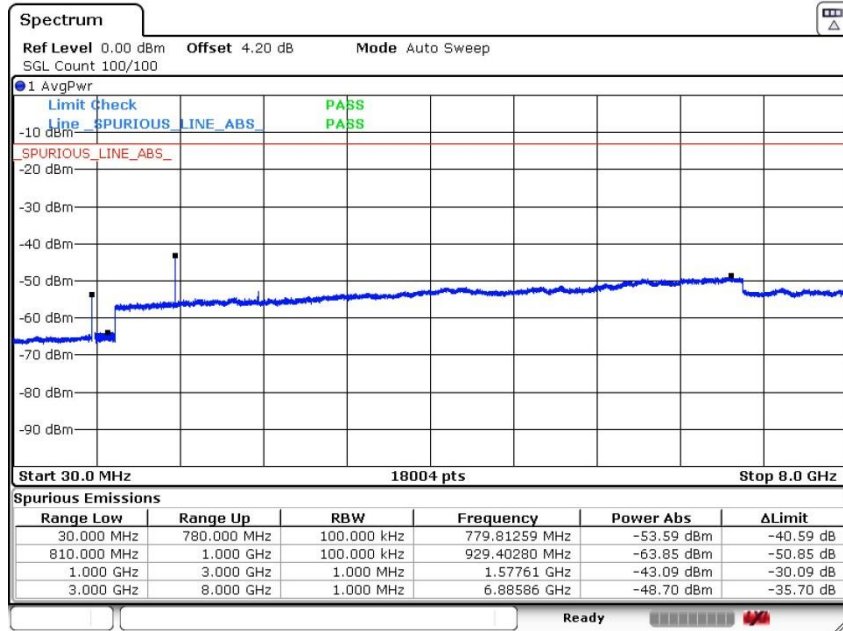


Date: 20 JAN 2020 15:59:08



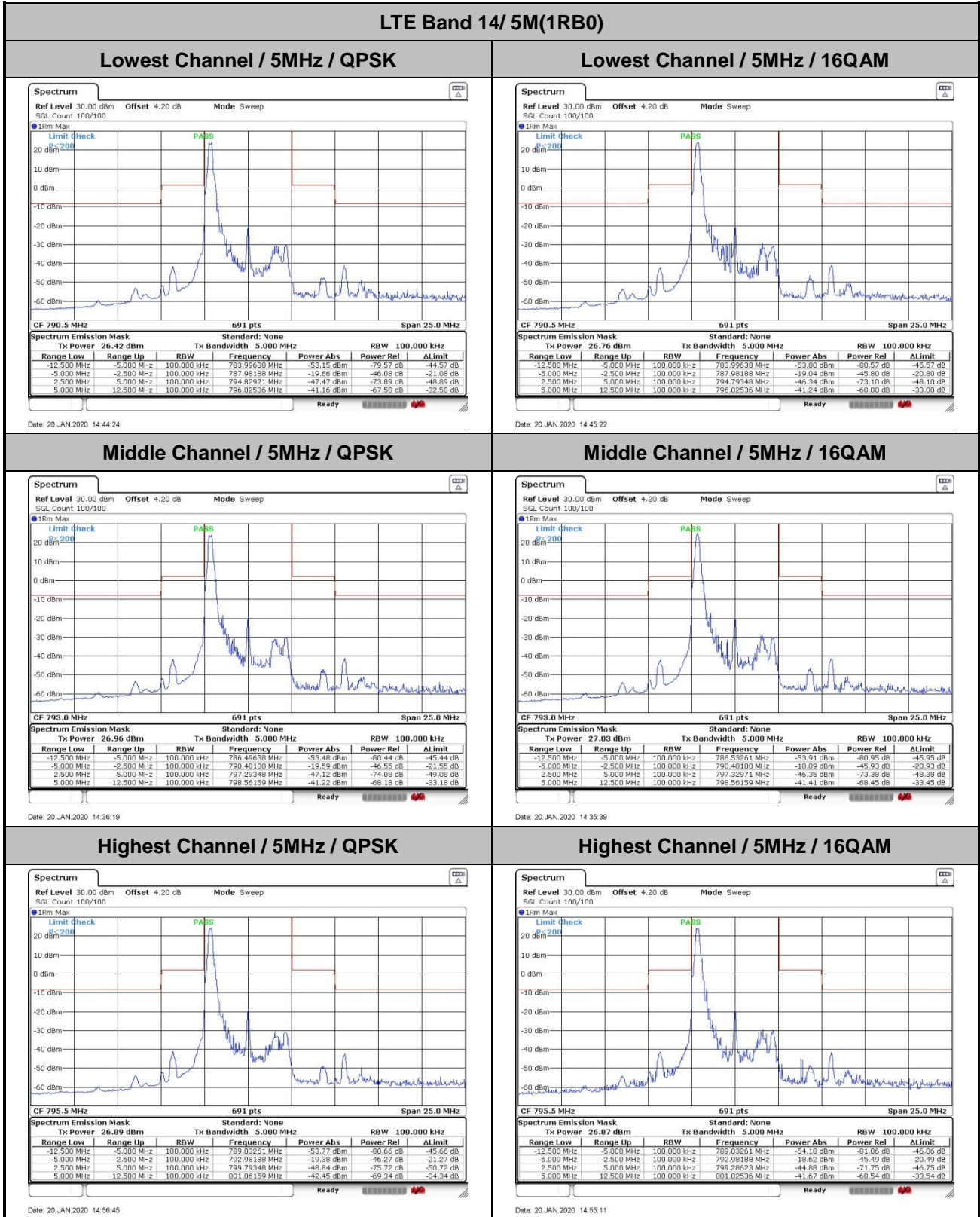
LTE Band 14 / 10MHz

Middle Channel / 64QAM



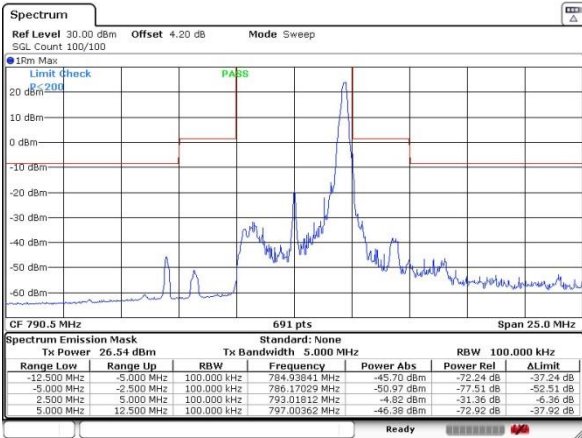
Date: 20 JAN 2020 15:53:29

# Emission Mask



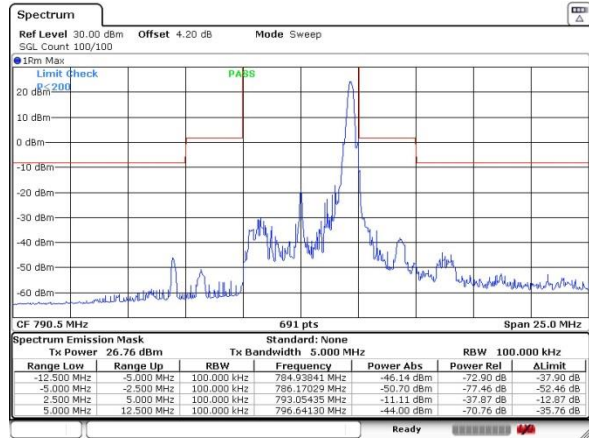
**LTE Band 14/ 5M(1RBmax)**

**Lowest Channel / 5MHz / QPSK**



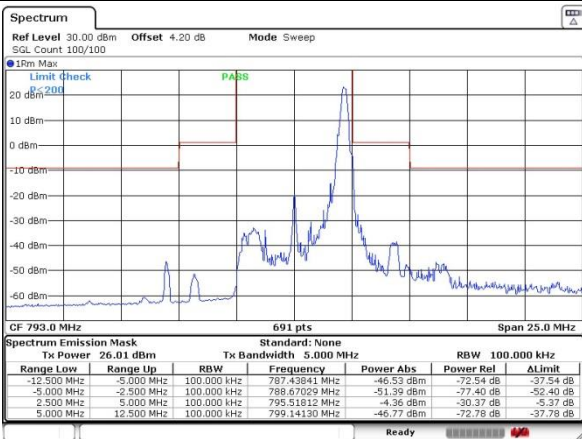
Date: 20 JAN 2020 14:43:39

**Lowest Channel / 5MHz / 16QAM**



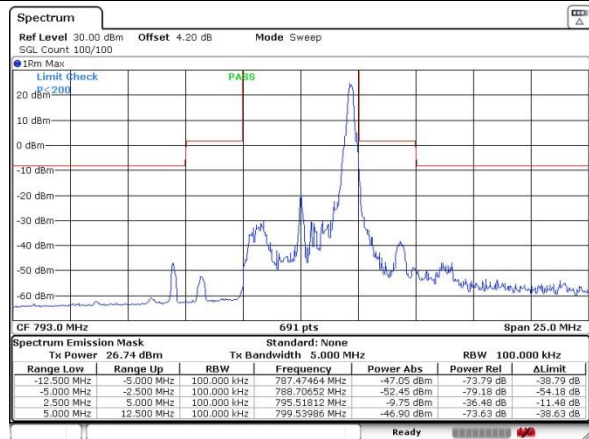
Date: 20 JAN 2020 14:42:18

**Middle Channel / 5MHz / QPSK**



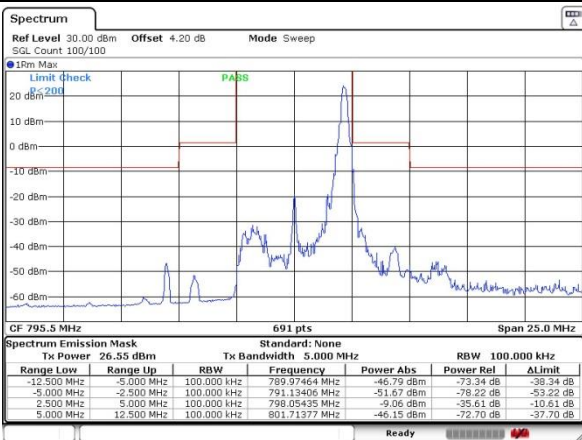
Date: 20 JAN 2020 14:37:16

**Middle Channel / 5MHz / 16QAM**



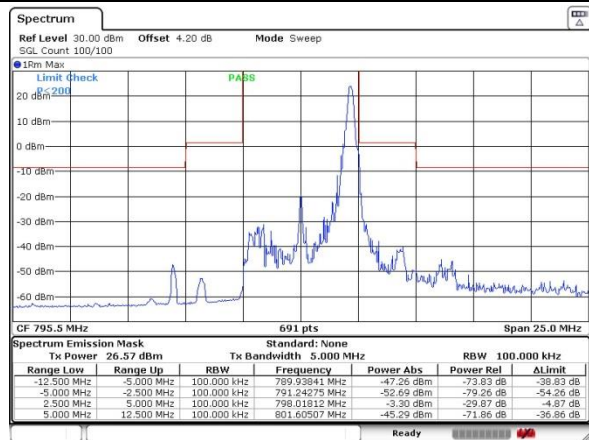
Date: 20 JAN 2020 14:38:12

**Highest Channel / 5MHz / QPSK**



Date: 20 JAN 2020 14:57:39

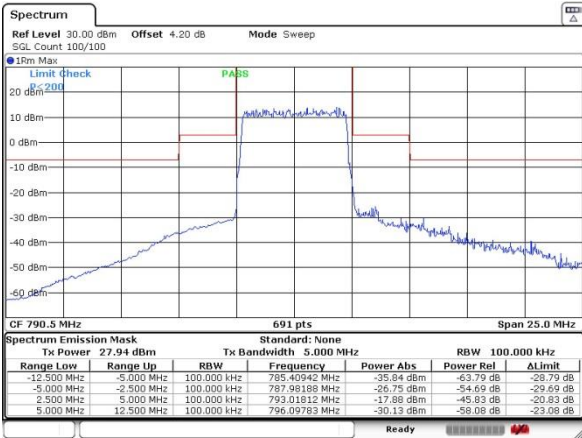
**Highest Channel / 5MHz / 16QAM**



Date: 20 JAN 2020 14:58:50

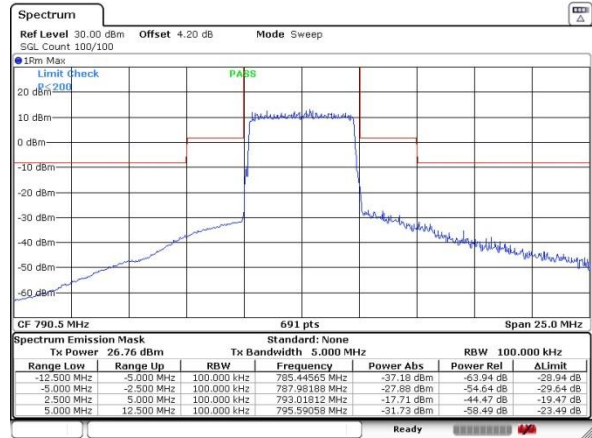
LTE Band 14/ 5M(fullIRB0)

Lowest Channel / 5MHz / QPSK



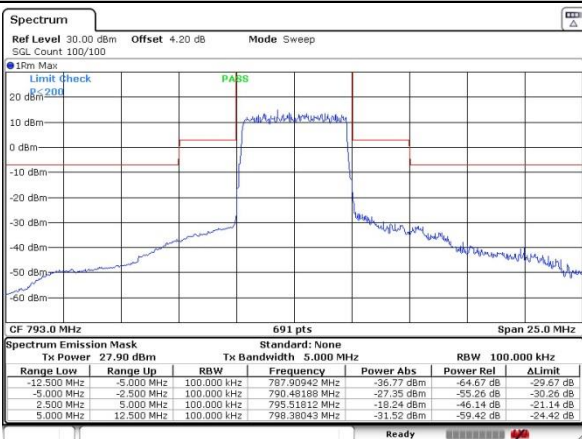
Date: 20 JAN 2020 14:48:00

Lowest Channel / 5MHz / 16QAM



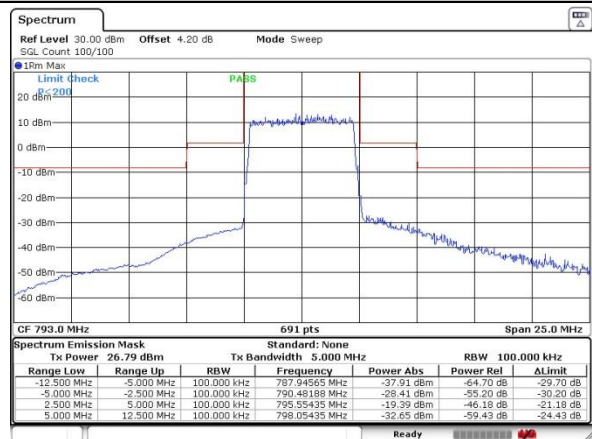
Date: 20 JAN 2020 14:48:13

Middle Channel / 5MHz / QPSK



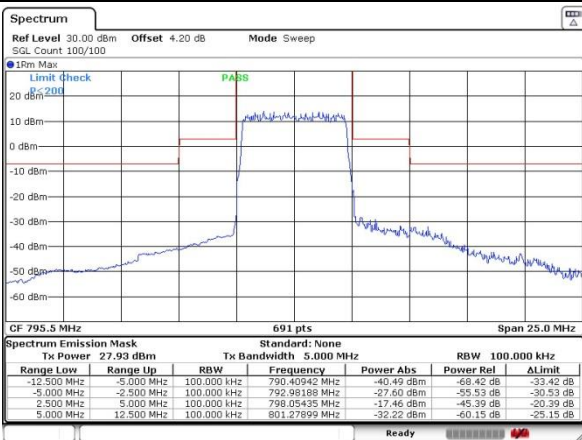
Date: 20 JAN 2020 14:31:01

Middle Channel / 5MHz / 16QAM



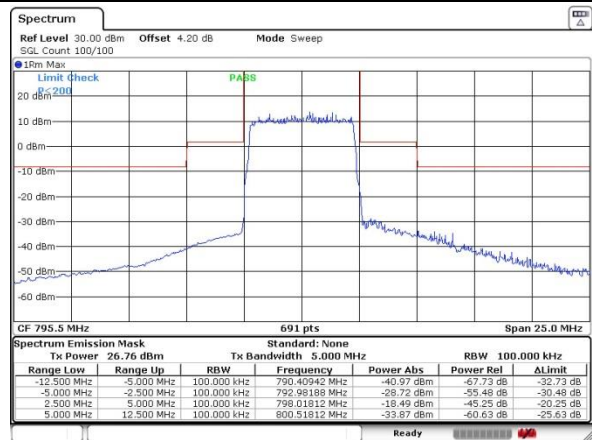
Date: 20 JAN 2020 14:32:09

Highest Channel / 5MHz / QPSK



Date: 20 JAN 2020 14:51:45

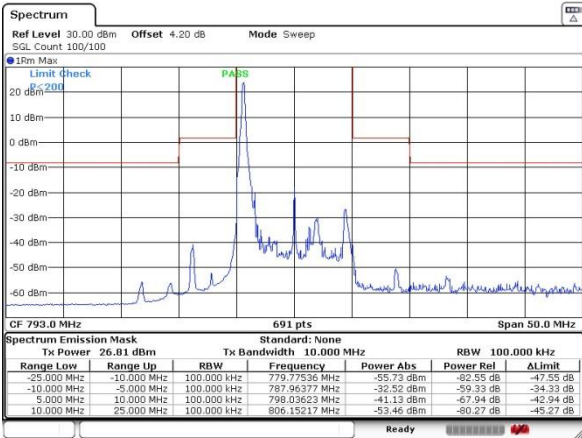
Highest Channel / 5MHz / 16QAM



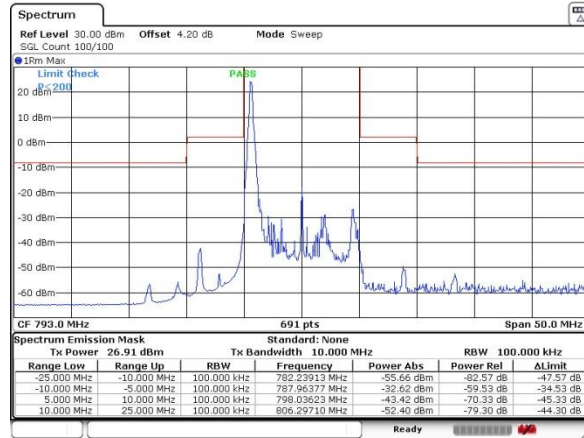
Date: 20 JAN 2020 14:52:43

**LTE Band 14/ 10MHz**

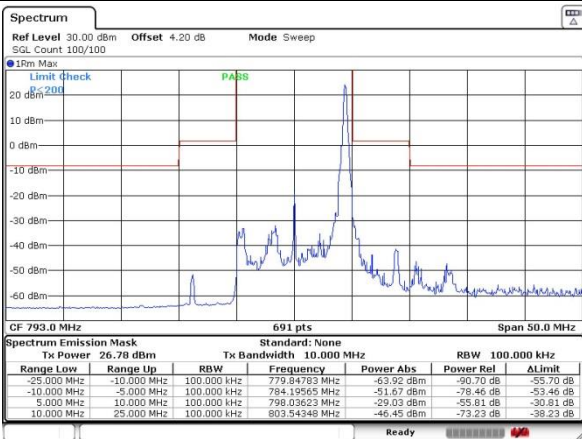
**Middle Channel / 1RB0 / QPSK**



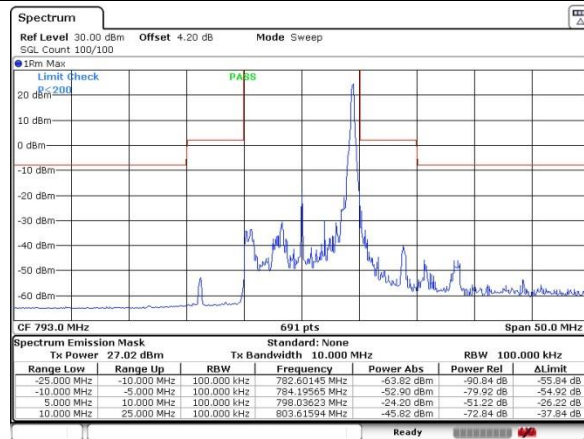
**Middle Channel / 1RB0 / 16QAM**



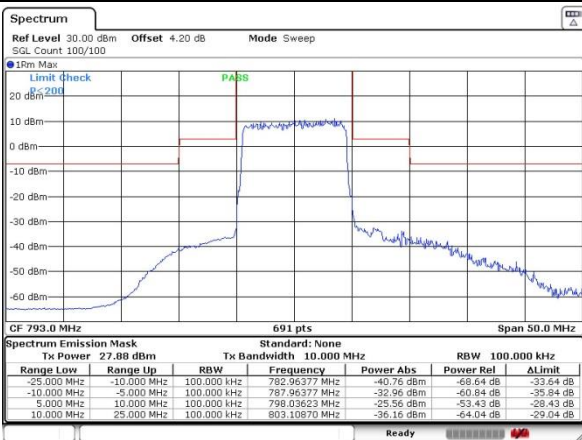
**Middle Channel / 1RBmax / QPSK**



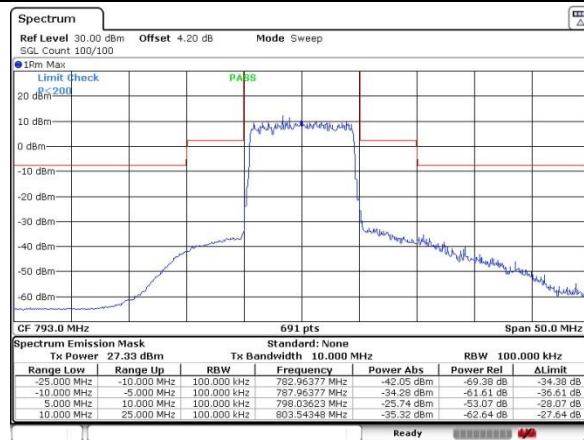
**Middle Channel / 1RBmax / 16QAM**



**Middle Channel / fullRB0 / QPSK**

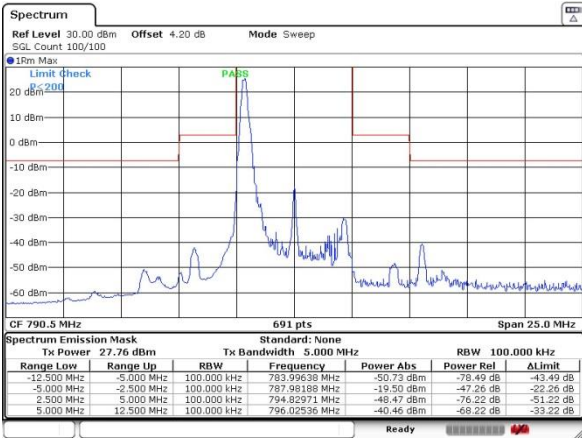


**Middle Channel / fullRB0 / 16QAM**



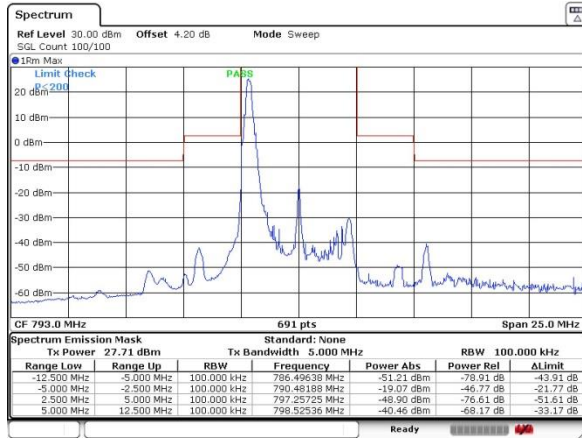
LTE Band 14/ 5MHz

Lowest Channel / 1RB0 / 64QAM



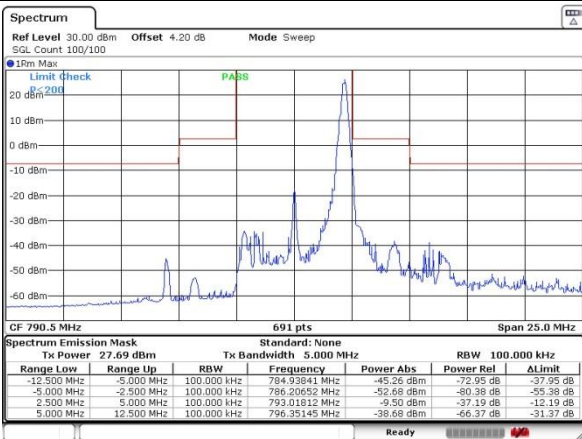
Date: 20 JAN 2020 14:46:33

Middle Channel / 1RB0 / 64QAM



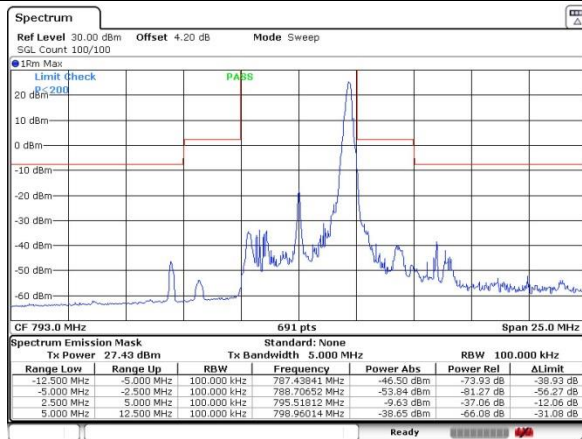
Date: 20 JAN 2020 14:34:55

Lowest Channel / 1RBmax / 64QAM



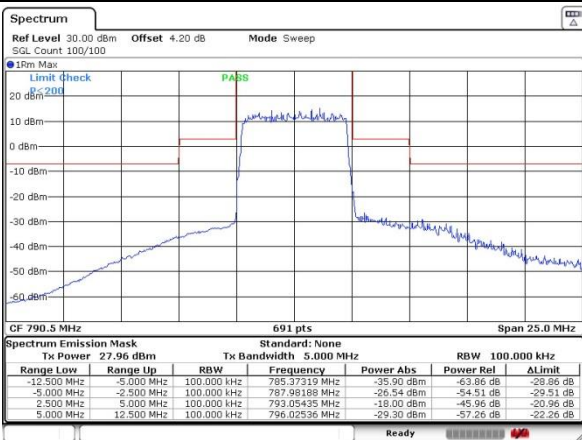
Date: 20 JAN 2020 14:41:20

Middle Channel / 1RBmax / 64QAM



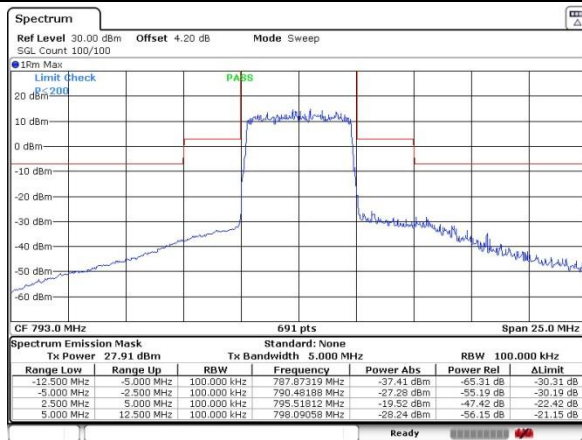
Date: 20 JAN 2020 14:38:22

Lowest Channel / fullRB0 / 64QAM



Date: 20 JAN 2020 14:47:29

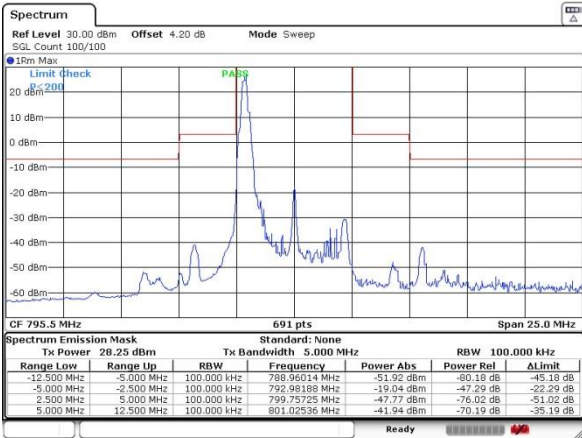
Middle Channel / fullRB0 / 64QAM



Date: 20 JAN 2020 14:33:22

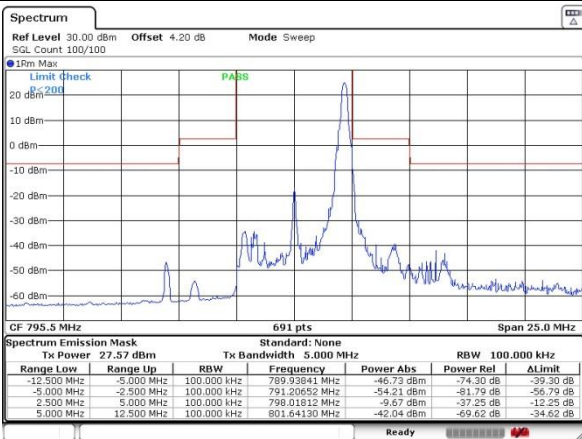
**LTE Band 14/ 5MHz**

**Highest Channel / 1RB0 / 64QAM**



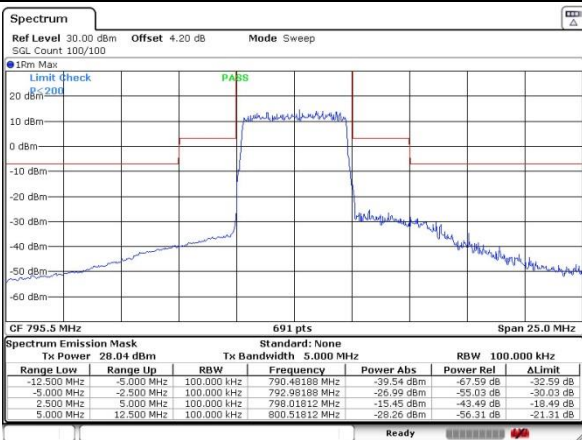
Date: 20 JAN 2020 14:54:28

**Highest Channel / 1RBmax / 64QAM**



Date: 20 JAN 2020 14:58:40

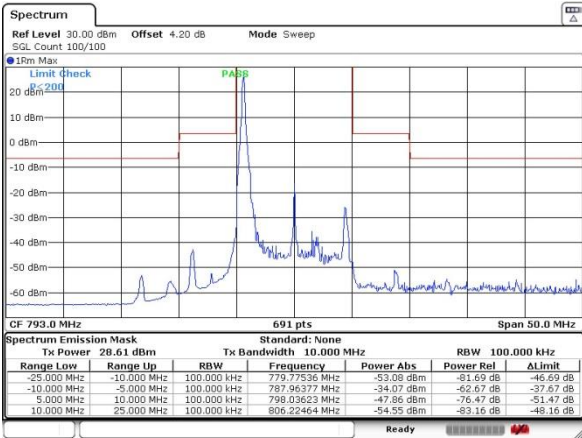
**Highest Channel / fullRB0 / 64QAM**



Date: 20 JAN 2020 14:53:36

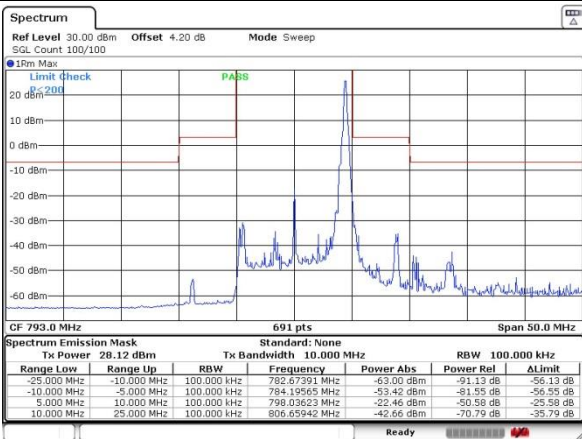
**LTE Band 14/ 10MHz**

**Middle Channel / 1RB0 / 64QAM**



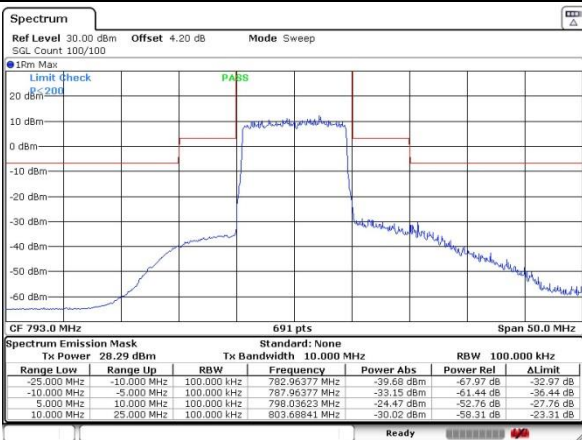
Date: 20 JAN 2020 14:10:09

**Middle Channel / 1RBmax / 64QAM**



Date: 20 JAN 2020 14:11:23

**Middle Channel / fullRB0 / 64QAM**



Date: 20 JAN 2020 13:58:48



Frequency Stability

Test Conditions		LTE Band 14 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	1.25ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0045	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0040	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0037	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0026	

Note: Normal Voltage =3.85V. ; Battery End Point (BEP) =3.65V. ; Maximum Voltage =4.4V.

## Appendix B. Test Results of Radiated Test

### Field Strength of Spurious Radiated

LTE Band 14 / QPSK / RB Size 1 Offset 0								
Bandwidth	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
10MHz	1578	-62.10	-42.15	-19.95	-64.73	1.09	5.87	H
	2366	-54.78	-13	-41.78	-57.18	1.37	5.92	H
	3156	-62.98	-13	-49.98	-66.87	1.64	7.68	H
	1578	-59.40	-42.15	-17.25	-62.03	1.09	5.87	V
	2366	-50.21	-13	-37.21	-52.61	1.37	5.92	V
	3156	-62.56	-13	-49.56	-66.45	1.64	7.68	V
Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.								
Test Result					PASS			