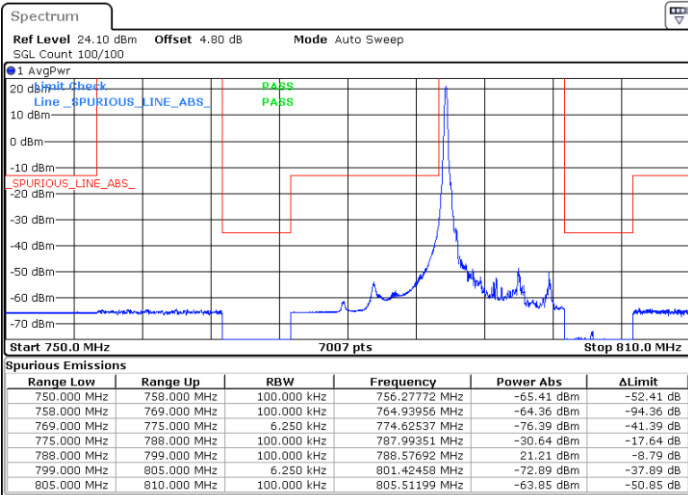


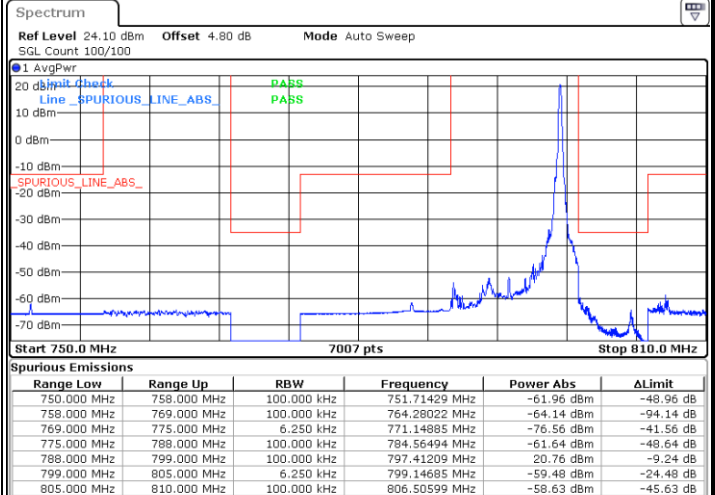
**LTE Band 14 / 10MHz /16QAM**

**Lowest Band Edge / 1RB0**

**Highest Band Edge / 1RB Max**

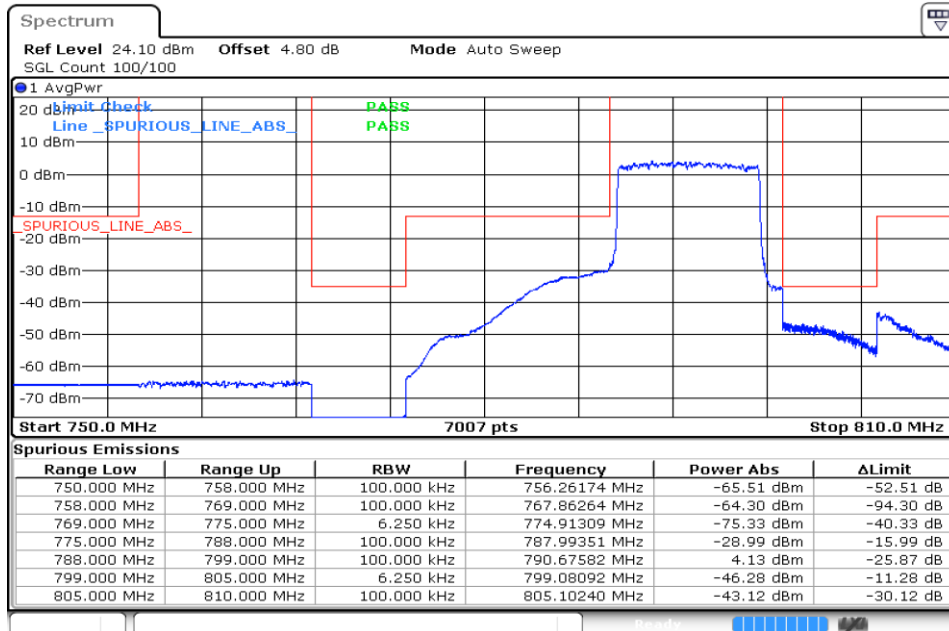


Date: 7.SEP.2020 21:19:07



Date: 7.SEP.2020 21:23:22

**Full RB**



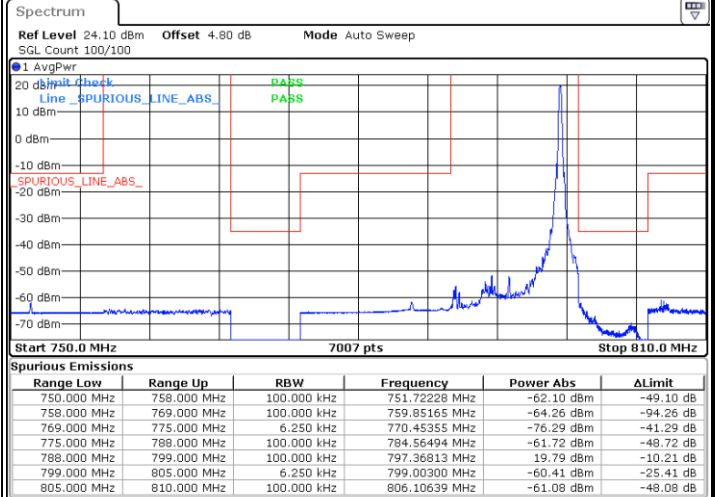
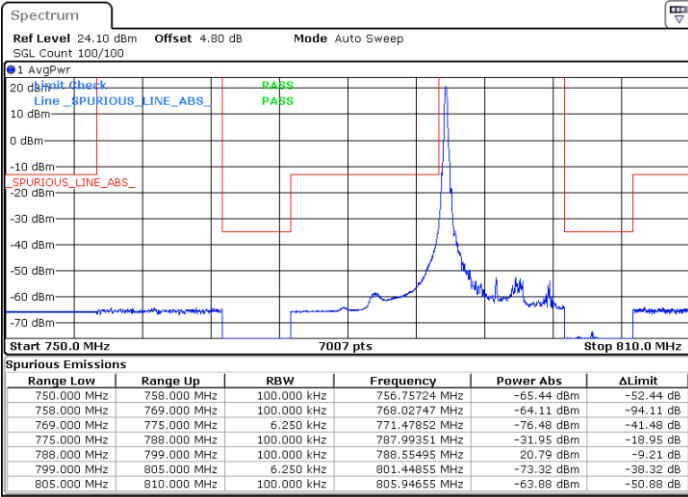
Date: 7.SEP.2020 21:15:26



LTE Band 14 / 10MHz / 64QAM

Lowest Band Edge / 1RB0

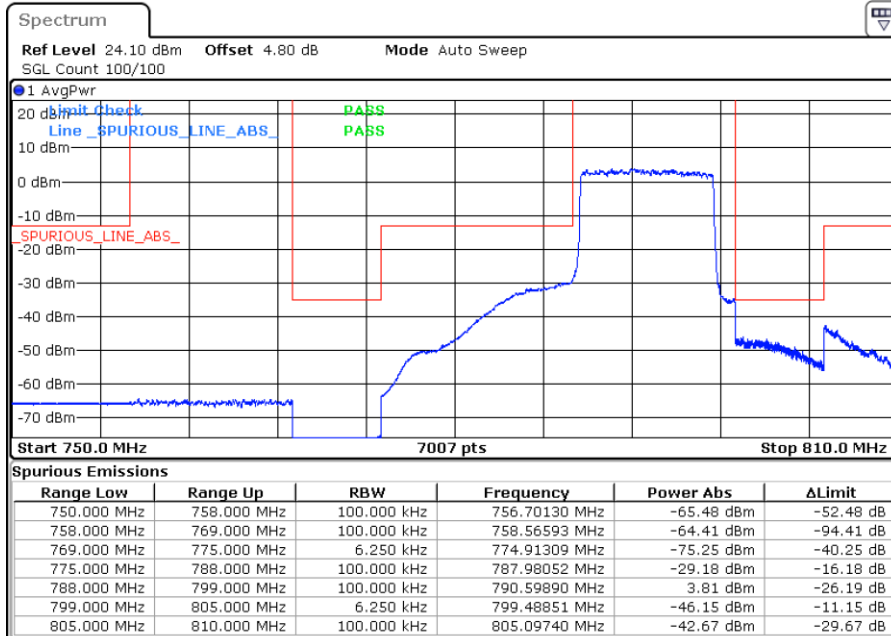
Highest Band Edge / 1RB Max



Date: 7 SEP.2020 21:17:59

Date: 7 SEP.2020 21:41:53

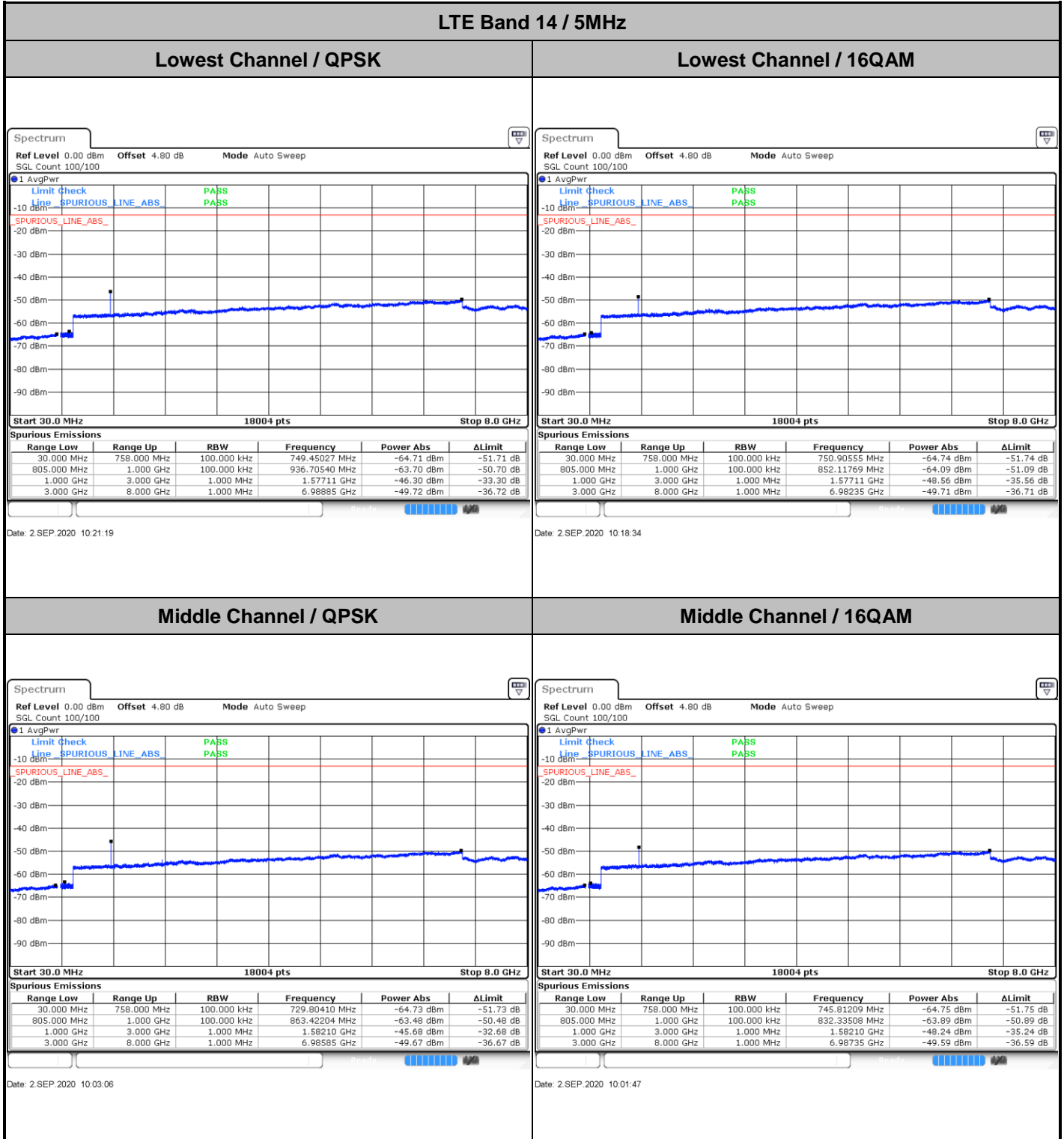
Full RB

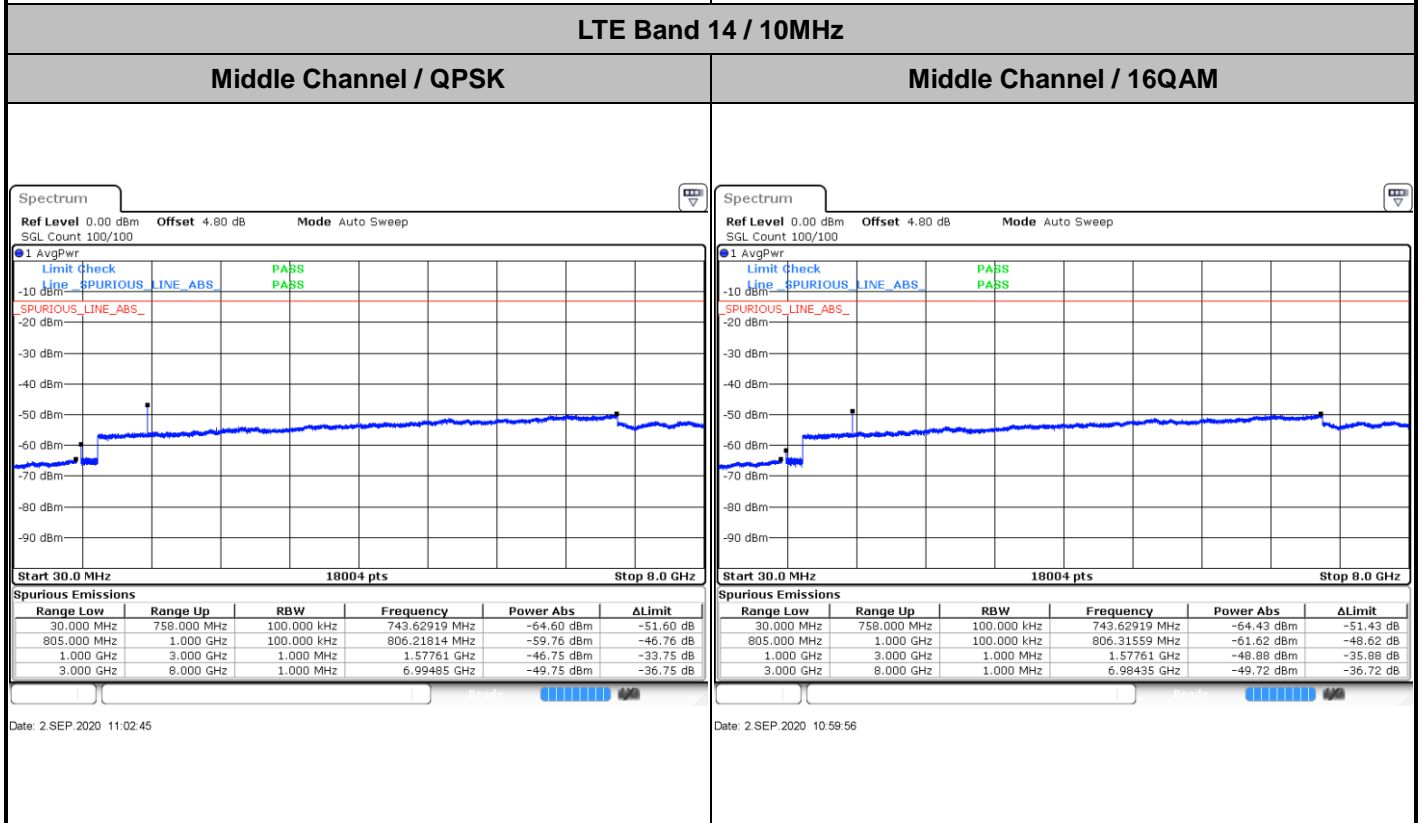
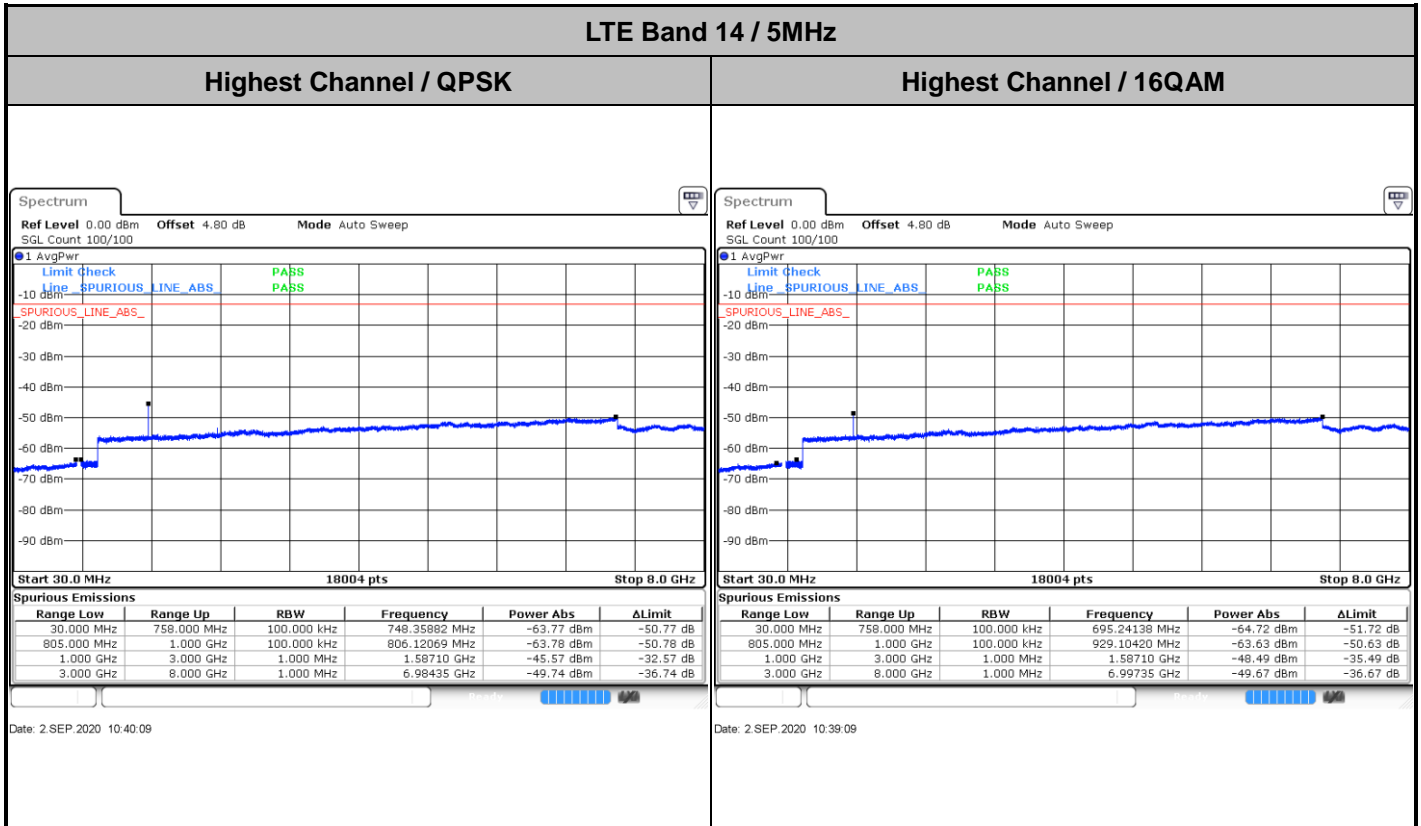


Date: 7 SEP.2020 21:16:37



# Conducted Spurious Emission

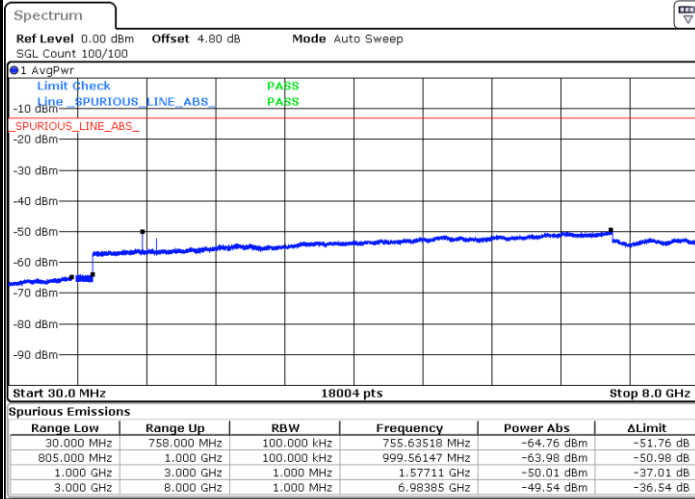






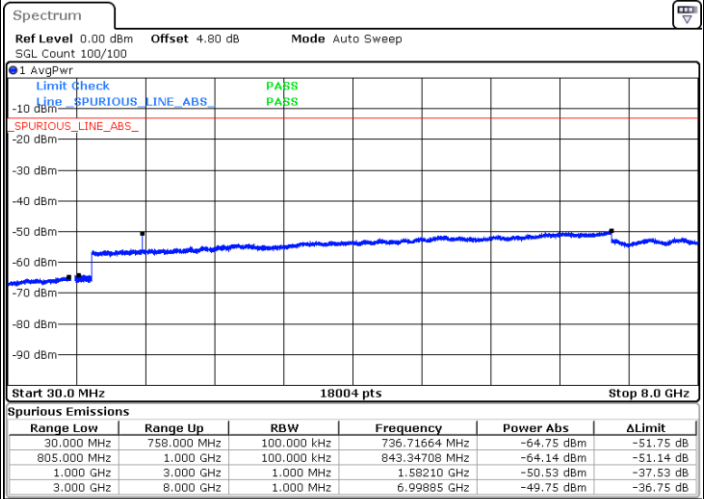
LTE Band 14 / 5MHz

Lowest Channel / 64QAM



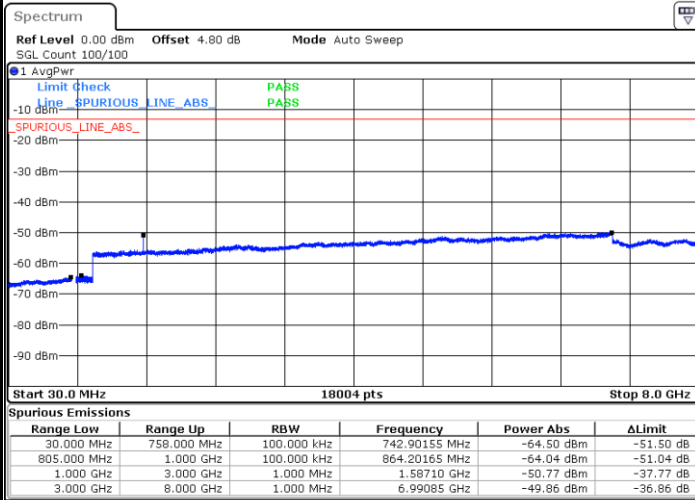
Date: 2 SEP. 2020 10:13:16

Middle Channel / 64QAM



Date: 2 SEP. 2020 10:00:41

Highest Channel / 64QAM

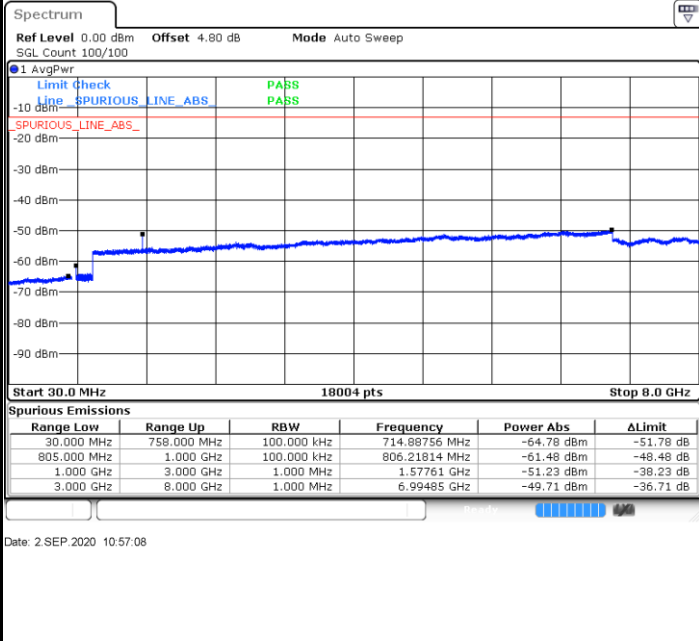


Date: 2 SEP. 2020 10:38:09



LTE Band 14 / 10MHz

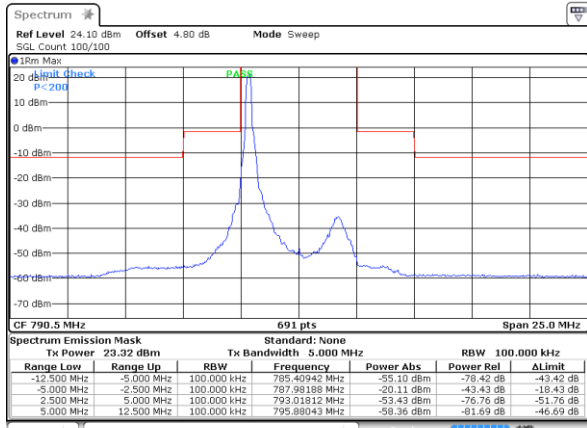
Middle Channel / 64QAM



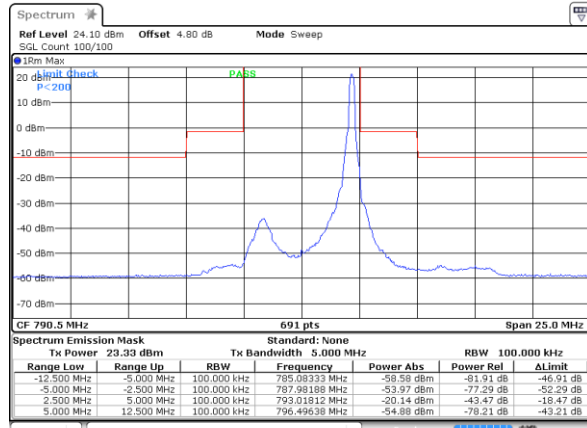
**Mask**

**LTE Band 14 / 5MHz / QPSK**

**Lowest Channel / 1RB**

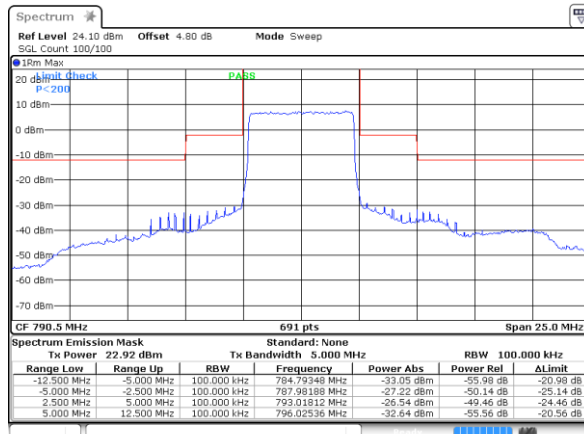


Date: 3.SEP.2020 10:23:10



Date: 3.SEP.2020 10:32:02

**Lowest Channel / Full RB**

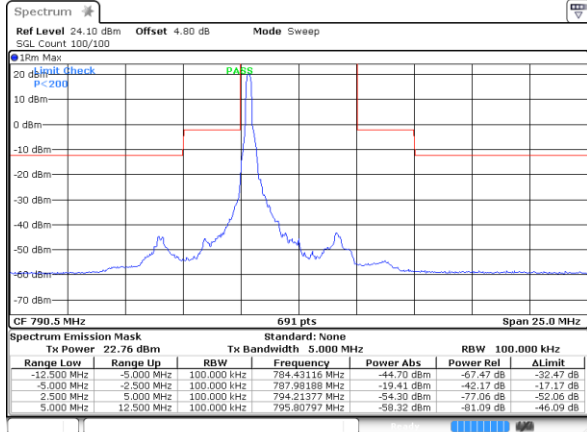


Date: 3.SEP.2020 10:17:04

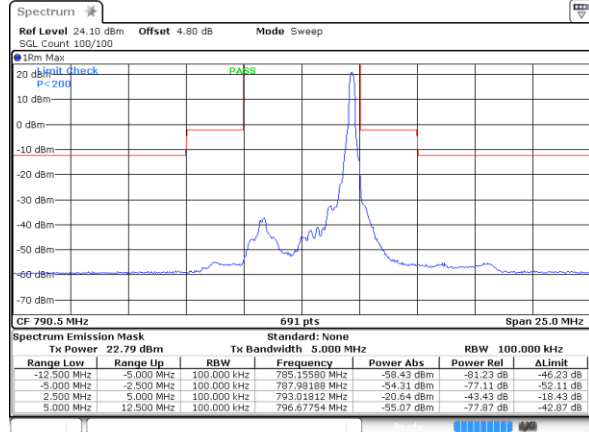


LTE Band 14 / 5MHz / 16QAM

Lowest Channel / 1RB

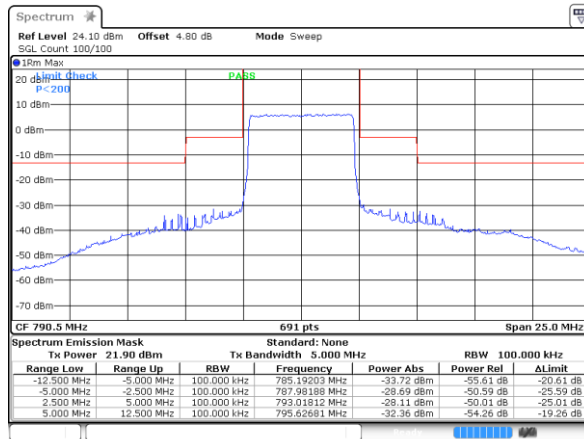


Date: 3 SEP 2020 10:24:58



Date: 3 SEP 2020 10:30:37

Lowest Channel / Full RB

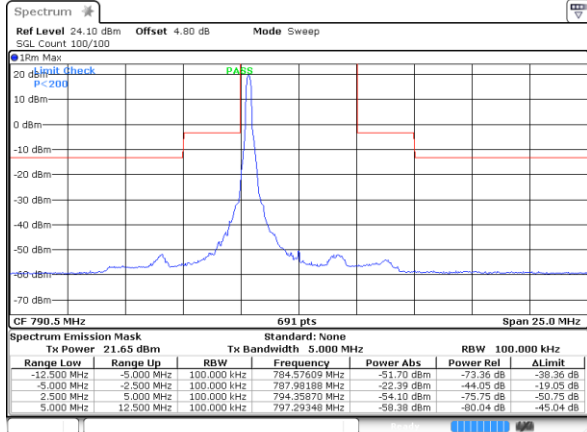


Date: 3 SEP 2020 10:18:18

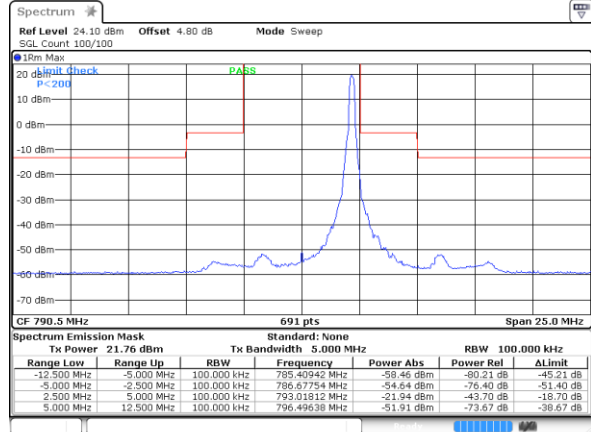


**LTE Band 14 / 5MHz / 64QAM**

**Lowest Channel / 1RB**

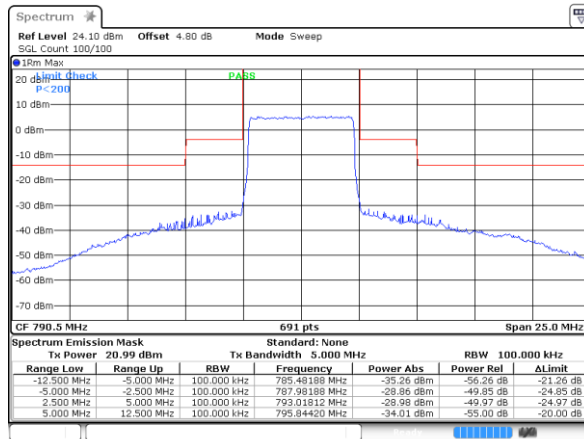


Date: 3 SEP 2020 10:27:42



Date: 3 SEP 2020 10:29:06

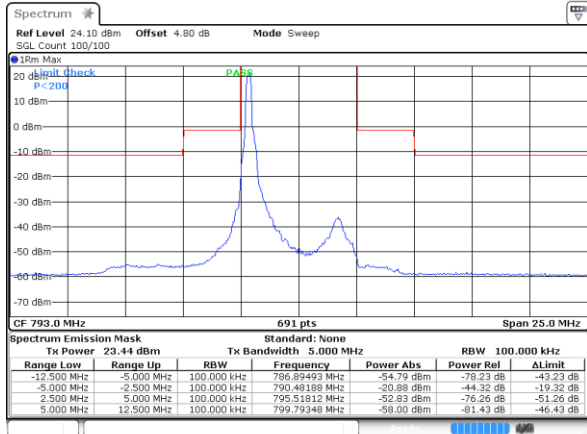
**Lowest Channel / Full RB**



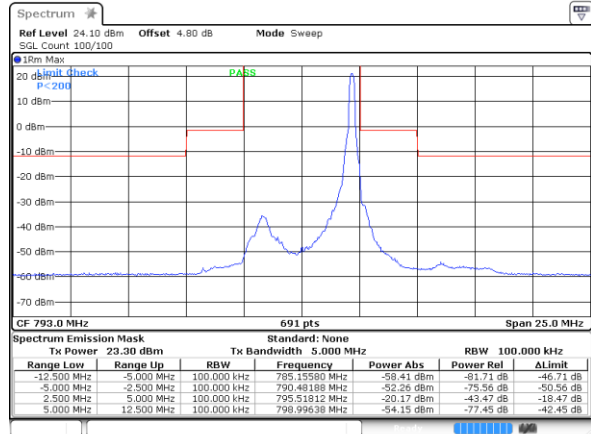
Date: 3 SEP 2020 10:19:47

LTE Band 14 / 5MHz / QPSK

Middle Channel / 1RB

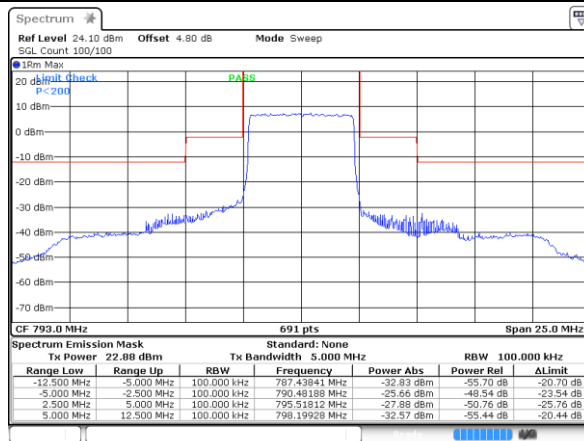


Date: 3 SEP 2020 10:34:25



Date: 3 SEP 2020 10:41:32

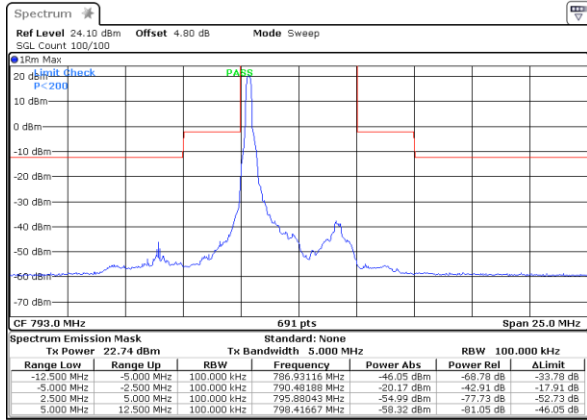
Middle Channel / Full RB



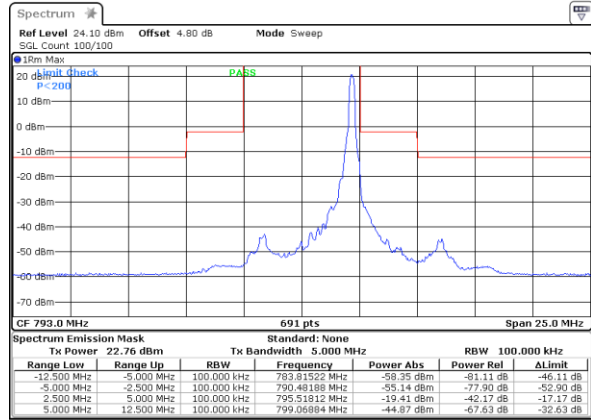
Date: 3 SEP 2020 10:42:57

**LTE Band 14 / 5MHz / 16QAM**

**Middle Channel / 1RB**

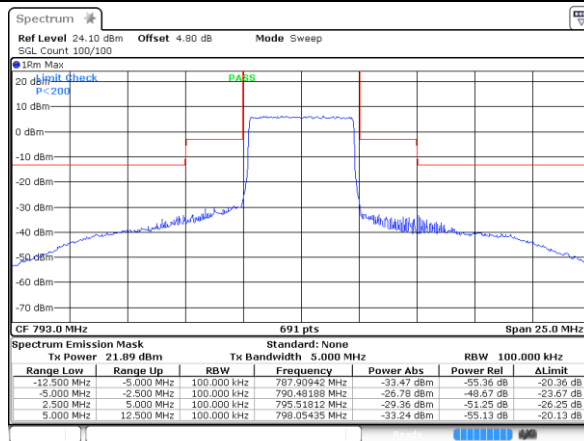


Date: 3 SEP 2020 10:35:57



Date: 3 SEP 2020 10:40:20

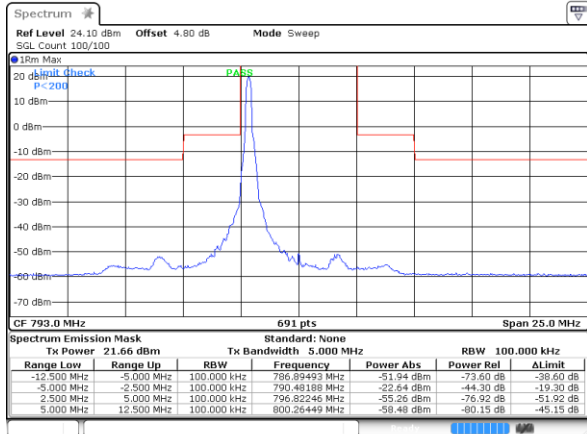
**Middle Channel / Full RB**



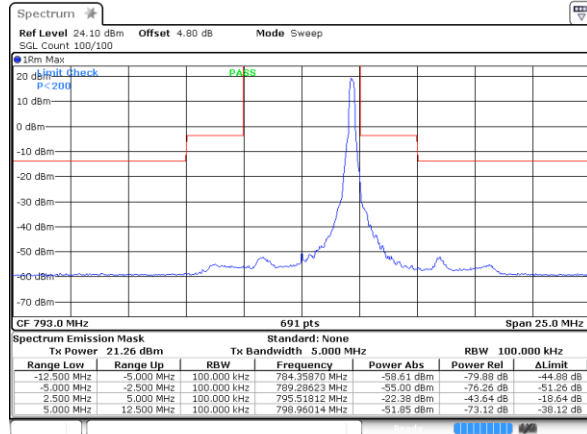
Date: 3 SEP 2020 10:44:10

**LTE Band 14 / 5MHz / 64QAM**

**Middle Channel / 1RB**

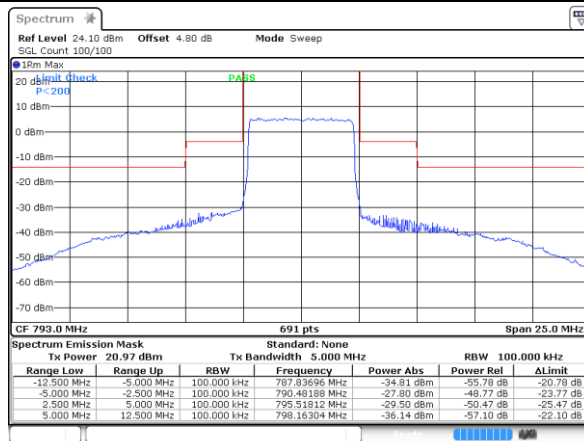


Date: 3 SEP 2020 10:37:18



Date: 3 SEP 2020 10:38:39

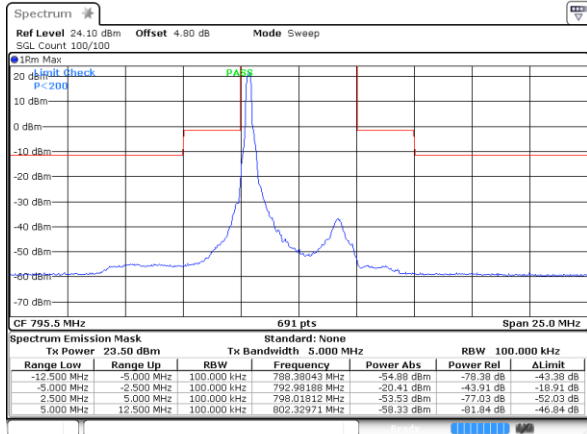
**Middle Channel / Full RB**



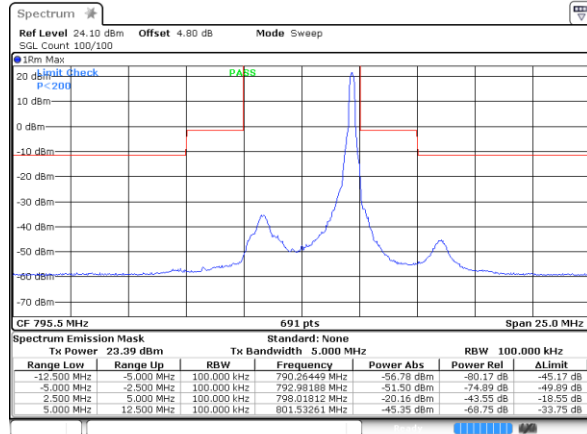
Date: 3 SEP 2020 10:45:29

**LTE Band 14 / 5MHz / QPSK**

**Highest Channel / 1RB**

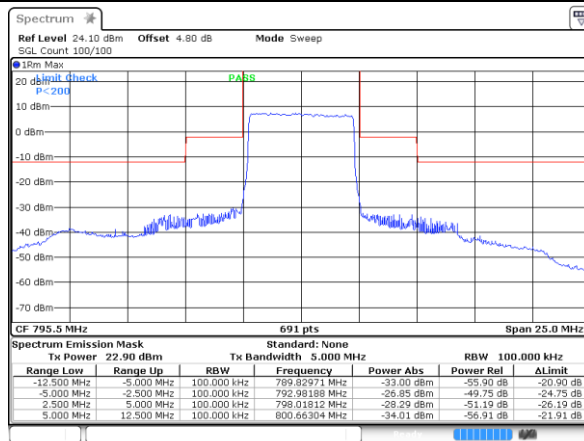


Date: 3 SEP 2020 10:50:41



Date: 3 SEP 2020 10:58:42

**Highest Channel / Full RB**

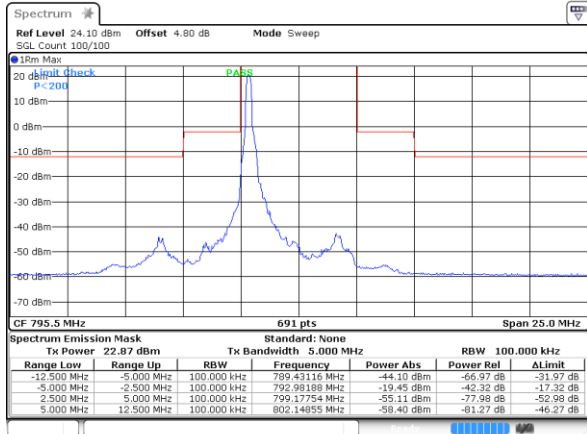


Date: 3 SEP 2020 10:49:20

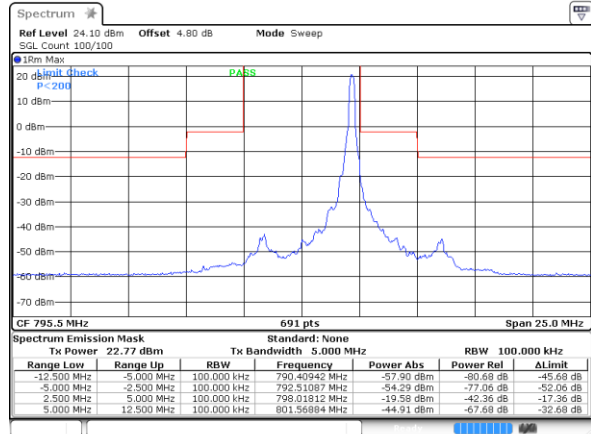


LTE Band 14 / 5MHz / 16QAM

Highest Channel / 1RB

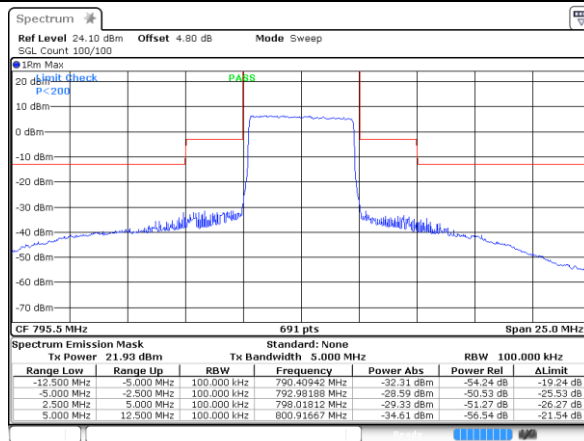


Date: 3 SEP 2020 10:51:55



Date: 3 SEP 2020 10:55:47

Highest Channel / Full RB

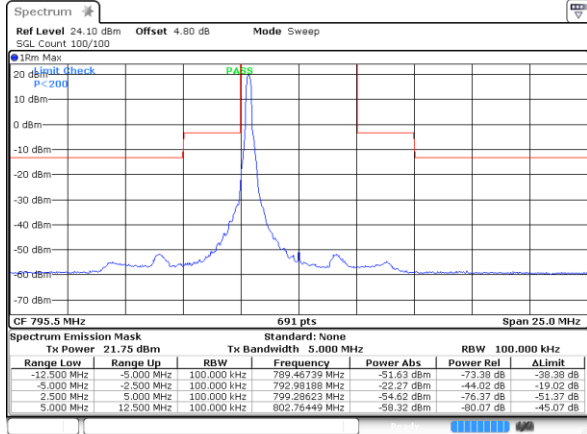


Date: 3 SEP 2020 10:48:04

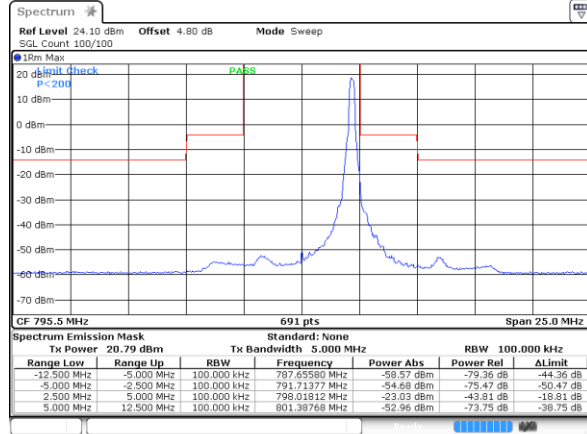


LTE Band 14 / 5MHz / 64QAM

Highest Channel / 1RB

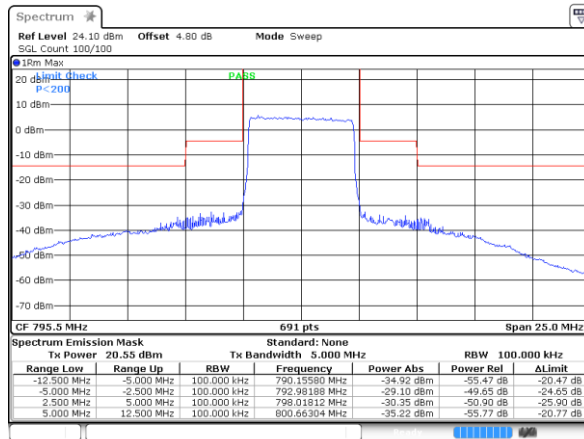


Date: 3 SEP 2020 10:53:11



Date: 3 SEP 2020 10:54:28

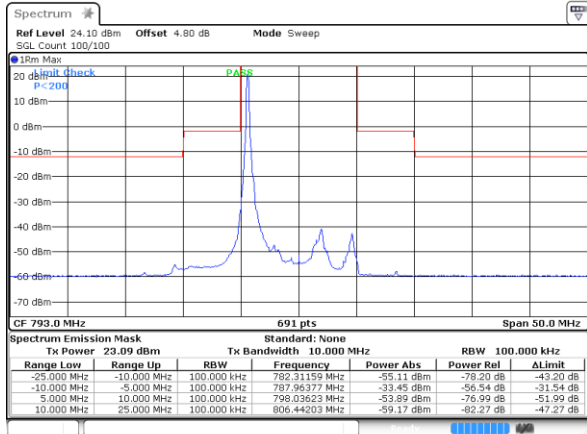
Highest Channel / Full RB



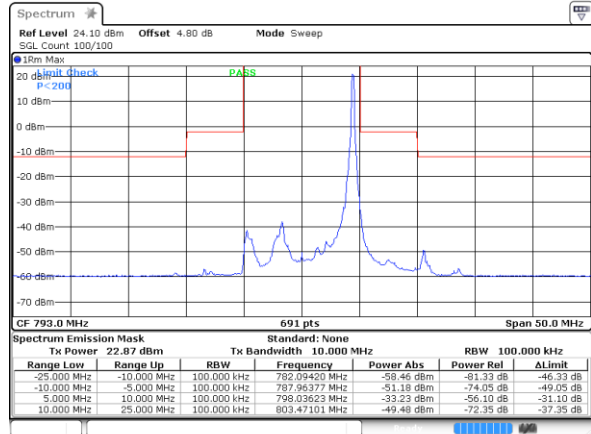
Date: 3 SEP 2020 10:46:49

**LTE Band 14 / 10MHz / QPSK**

**Middle Channel / 1RB**

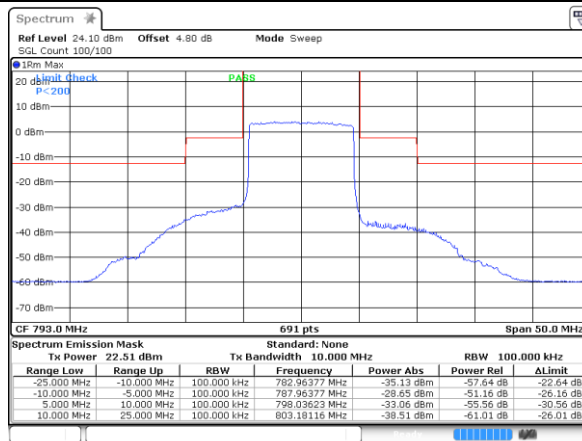


Date: 3 SEP 2020 11:15:26



Date: 3 SEP 2020 11:03:16

**Middle Channel / Full RB**



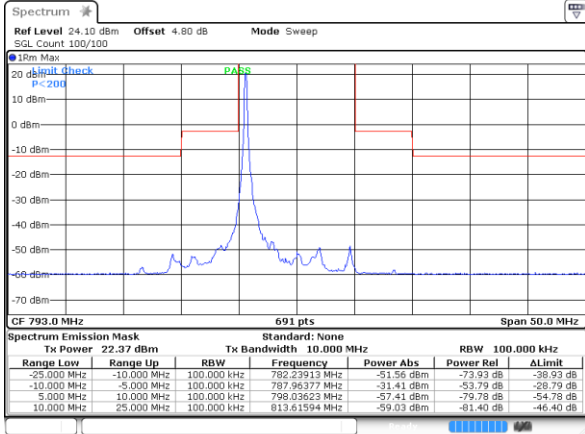
Date: 3 SEP 2020 11:17:34



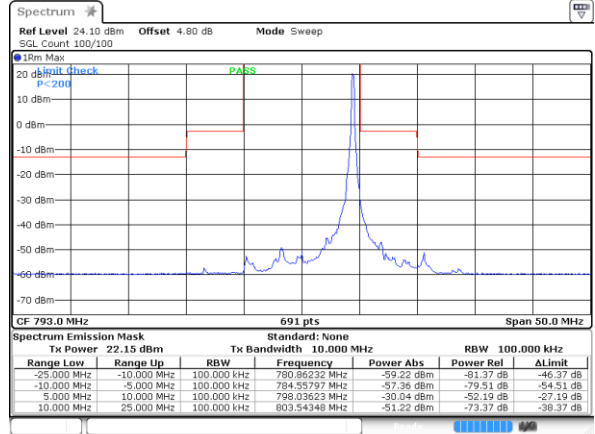


LTE Band 14 / 10MHz / 16QAM

Middle Channel / 1RB

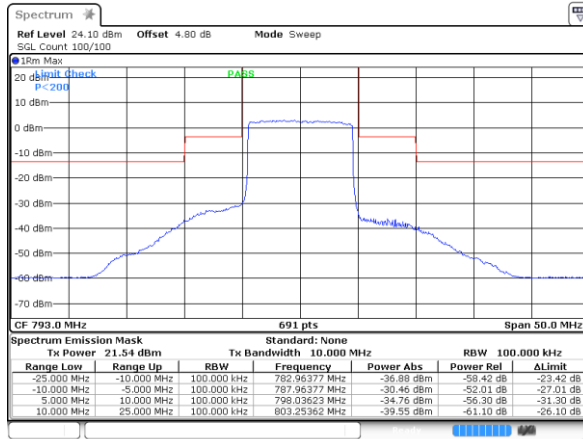


Date: 3 SEP 2020 11:12:54



Date: 3 SEP 2020 11:05:34

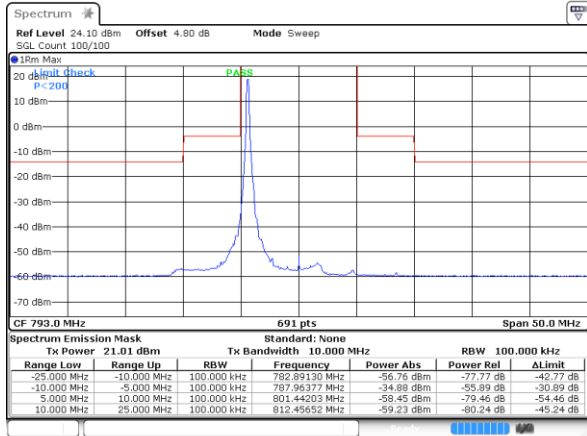
Middle Channel / Full RB



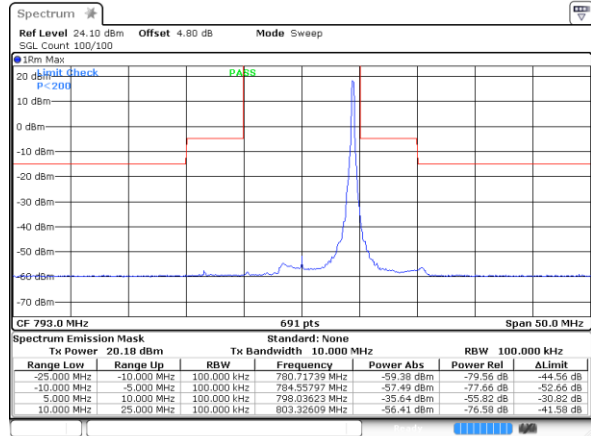
Date: 3 SEP 2020 11:19:45

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

**Middle Channel / 1RB**

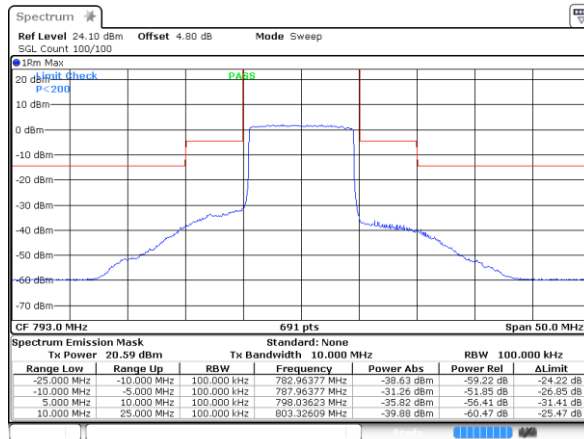


Date: 3 SEP 2020 11:10:29



Date: 3 SEP 2020 11:08:02

**Middle Channel / Full RB**



Date: 3 SEP 2020 11:23:10

## 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	0.0044	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0005	
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	0.0006	
20	Battery End Point	0.0026	

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 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

LTE Band 14 / 5MHz / QPSK / RB Size 1 Offset 0								
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1554.68	-67.33	-42.15	-25.18	-69.96	1.09	5.87	H
	2332	-65.81	-13	-52.81	-68.21	1.37	5.92	H
	3108	-64.45	-13	-51.45	-68.34	1.64	7.68	H
	1554	-67.08	-42.15	-24.93	-69.71	1.09	5.87	V
	2332	-65.99	-13	-52.99	-68.39	1.37	5.92	V
	3108	-64.71	-13	-51.71	-68.60	1.64	7.68	V
Middle	1559.68	-67.48	-42.15	-25.33	-70.11	1.09	5.87	H
	2340	-65.12	-13	-52.12	-67.52	1.37	5.92	H
	3120	-64.58	-13	-51.58	-68.47	1.64	7.68	H
	1560	-67.25	-42.15	-25.10	-69.88	1.09	5.87	V
	2340	-66.31	-13	-53.31	-68.71	1.37	5.92	V
	3120	-64.43	-13	-51.43	-68.32	1.64	7.68	V
Highest	1564.68	-68.06	-42.15	-25.91	-70.69	1.09	5.87	H
	2346	-65.77	-13	-52.77	-68.17	1.37	5.92	H
	3132	-64.66	-13	-51.66	-68.55	1.64	7.68	H
	1564	-67.42	-42.15	-25.27	-70.05	1.09	5.87	V
	2347.02	-66.71	-13	-53.71	-69.11	1.37	5.92	V
	3132	-64.53	-13	-51.53	-68.42	1.64	7.68	V

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



LTE Band 14 / 10MHz / QPSK / RB Size 1 Offset 0								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1578	-67.39	-42.15	-25.24	-70.02	1.09	5.87	H
	2366	-65.27	-13	-52.27	-67.67	1.37	5.92	H
	3156	-64.47	-13	-51.47	-68.36	1.64	7.68	H
	1578	-67.16	-42.15	-25.01	-69.79	1.09	5.87	V
	2366	-65.79	-13	-52.79	-68.19	1.37	5.92	V
	3156	-64.55	-13	-51.55	-68.44	1.64	7.68	V

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