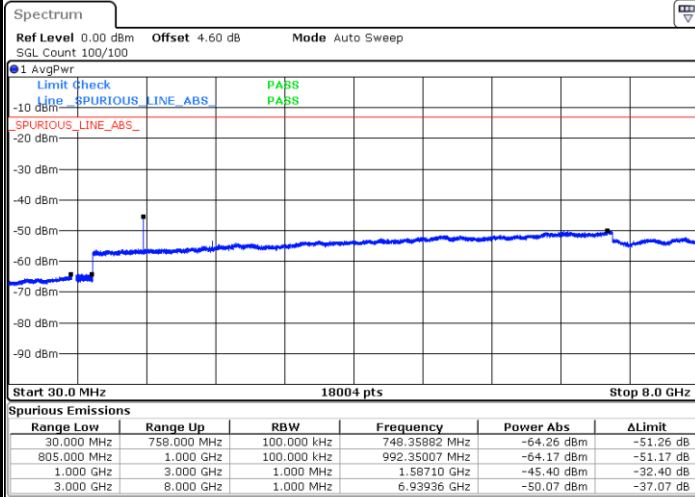




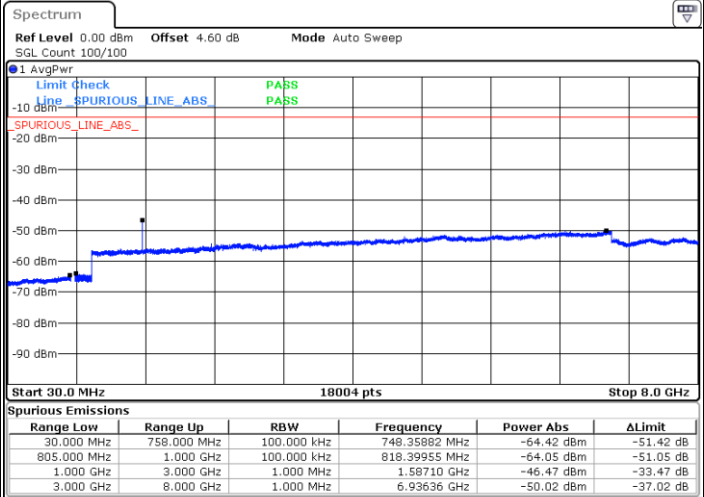
LTE Band 14 / 5MHz

Highest Channel / QPSK



Date: 21 JUN 2020 03:02:05

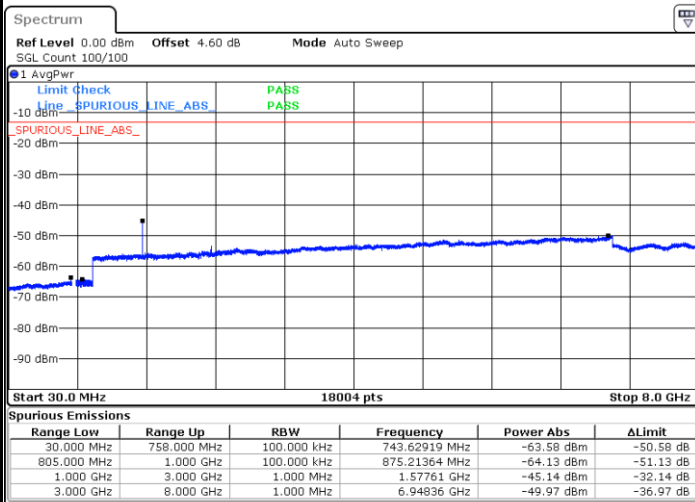
Highest Channel / 16QAM



Date: 21 JUN 2020 03:02:26

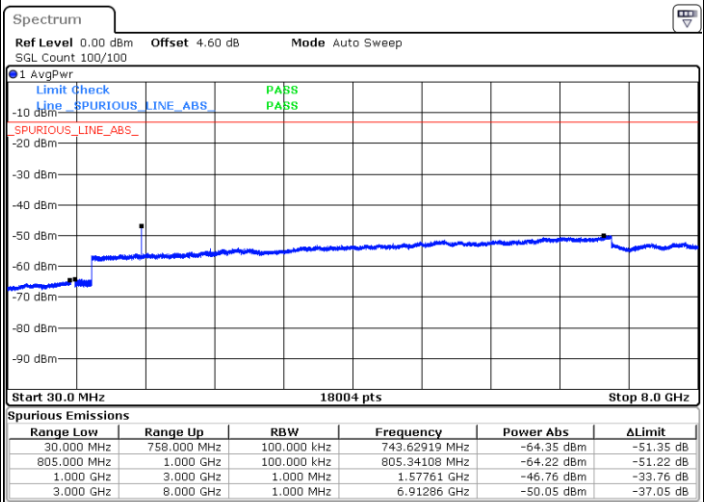
LTE Band 14 / 10MHz

Middle Channel / QPSK



Date: 21 JUN 2020 03:03:10

Middle Channel / 16QAM



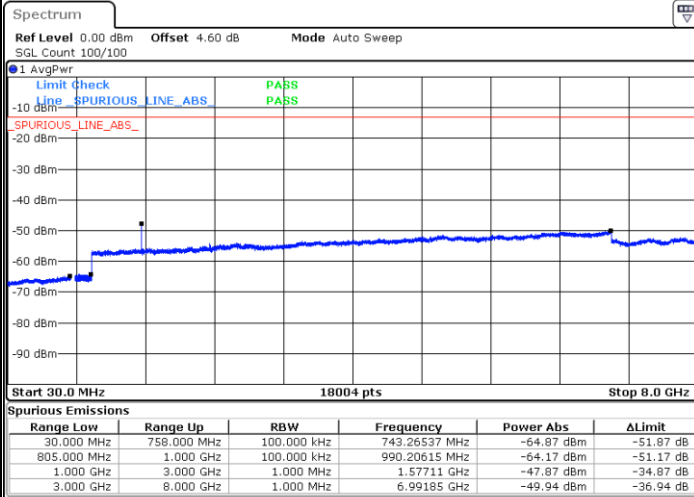
Date: 21 JUN 2020 03:03:31



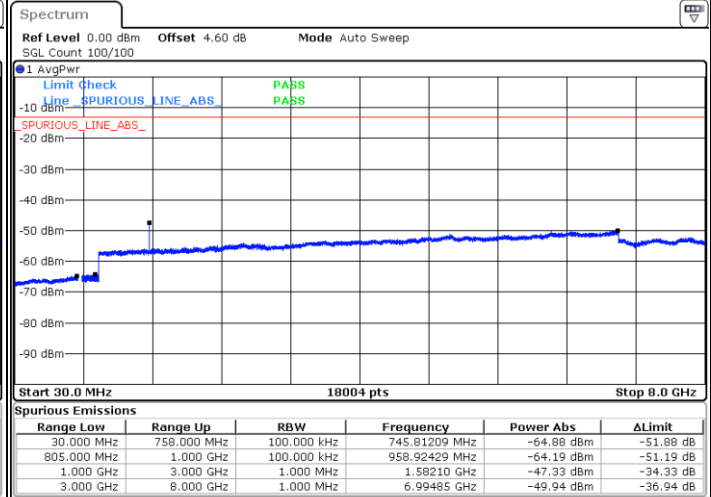
LTE Band 14 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

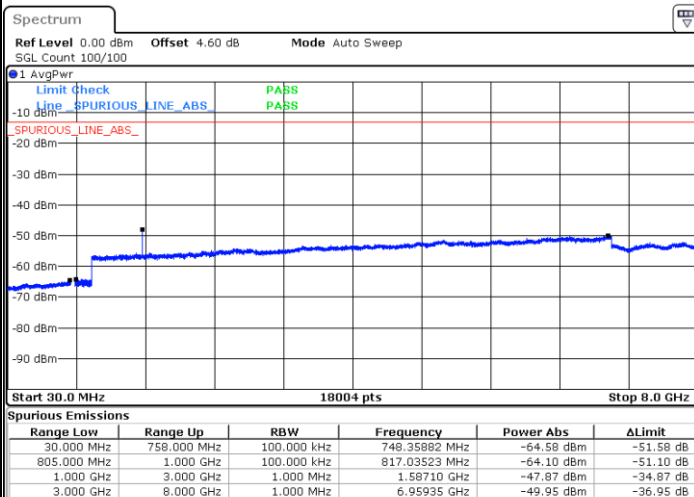


Date: 21 JUN 2020 03:00:39



Date: 21 JUN 2020 03:01:43

Highest Channel / 64QAM

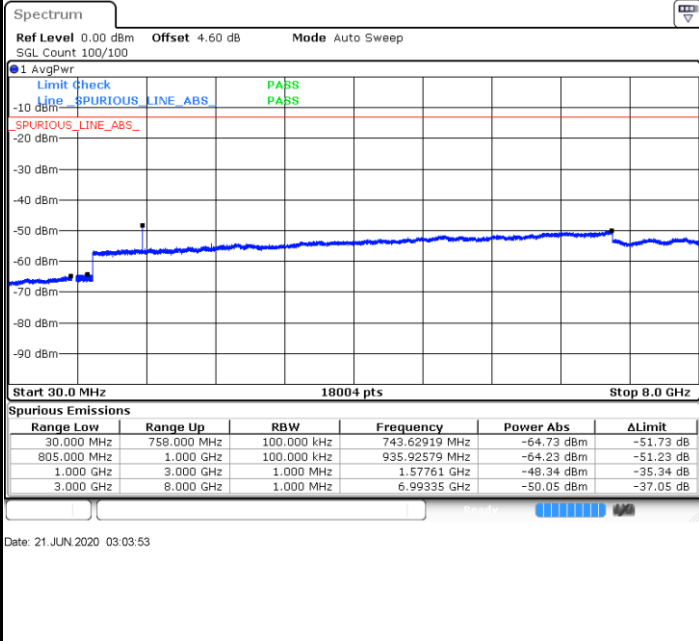


Date: 21 JUN 2020 03:02:48



LTE Band 14 / 10MHz

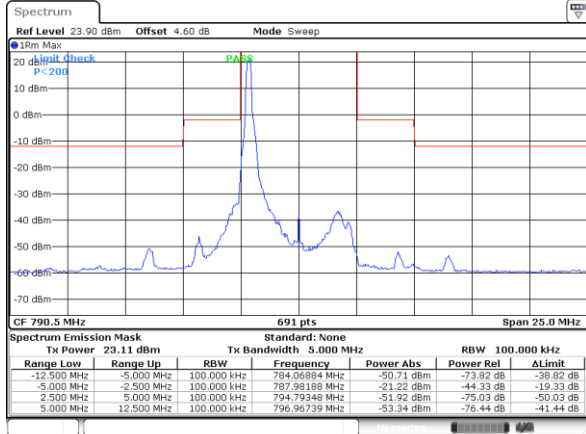
Middle Channel / 64QAM



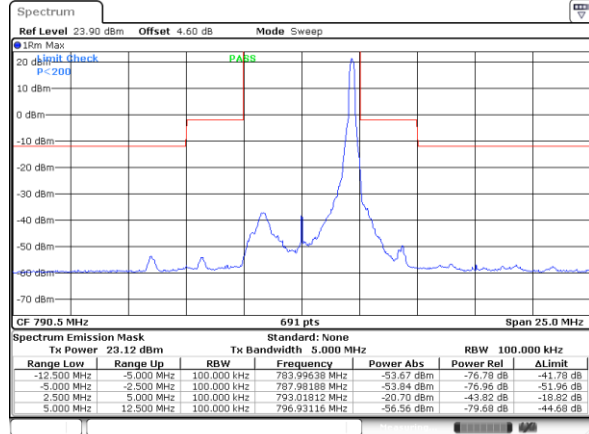
Mask

LTE Band 14 / 5MHz / QPSK

Lowest Channel / 1RB

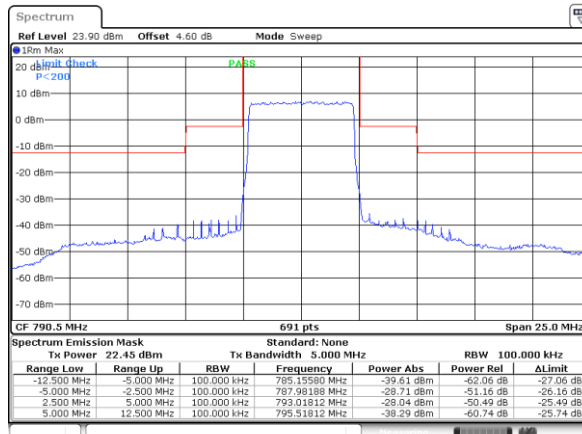


Date: 21 JUN 2020 03:28:30



Date: 21 JUN 2020 03:29:00

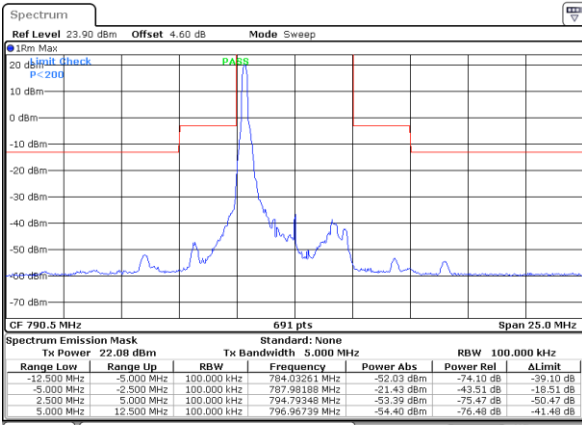
Lowest Channel / Full RB



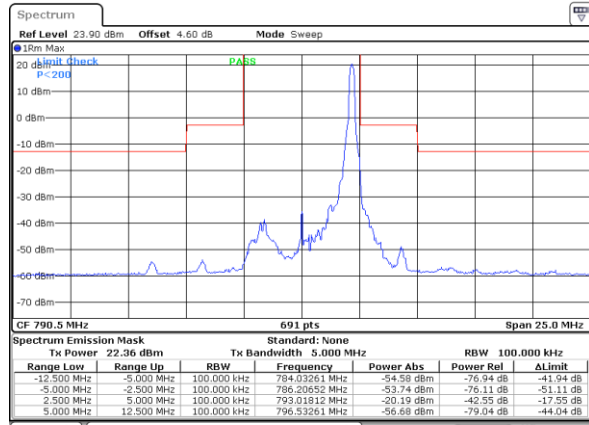
Date: 21 JUN 2020 03:26:01

LTE Band 14 / 5MHz / 16QAM

Lowest Channel / 1RB

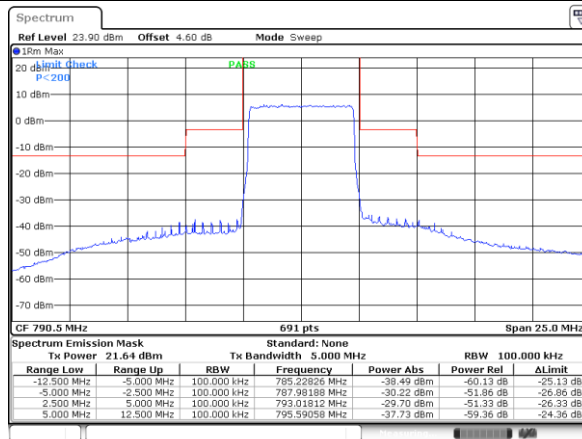


Date: 21 JUN 2020 03:28:00



Date: 21 JUN 2020 03:29:30

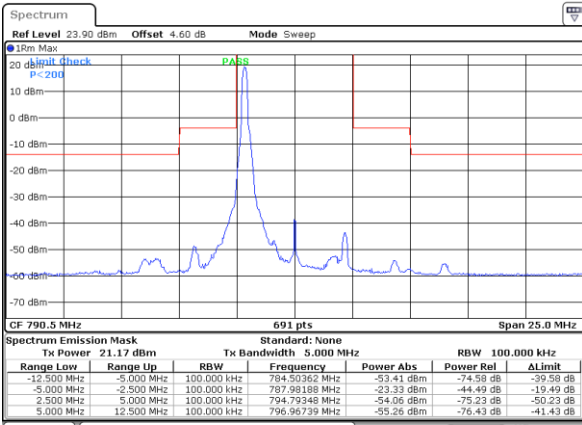
Lowest Channel / Full RB



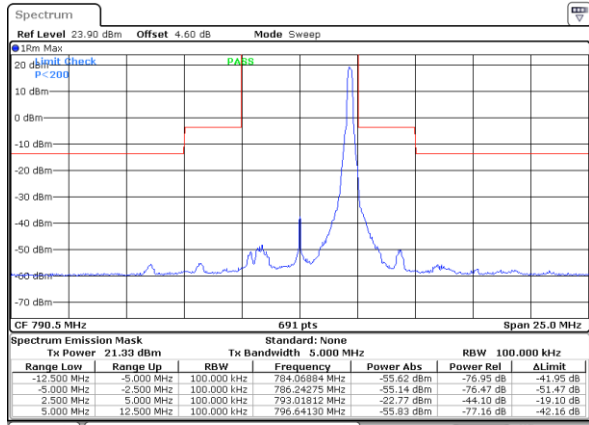
Date: 21 JUN 2020 03:26:31

LTE Band 14 / 5MHz / 64QAM

Lowest Channel / 1RB

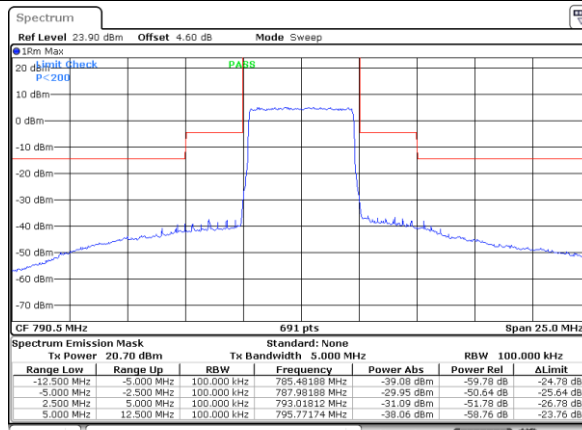


Date: 21 JUN 2020 03:27:30



Date: 21 JUN 2020 03:29:59

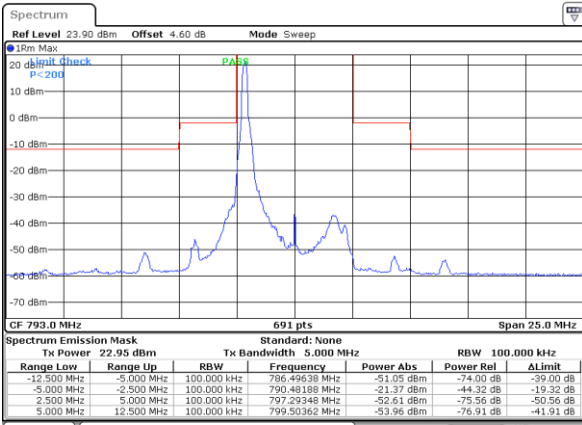
Lowest Channel / Full RB



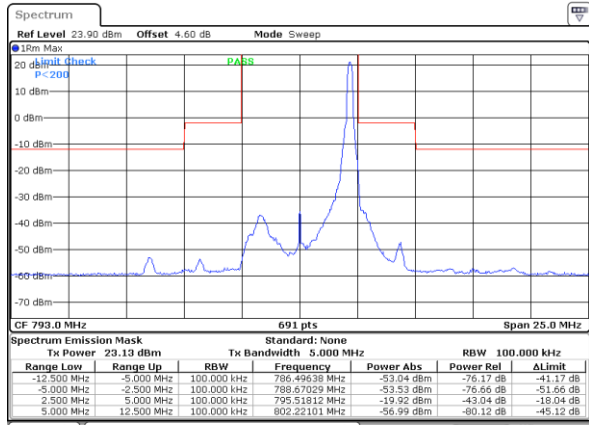
Date: 21 JUN 2020 03:27:01

LTE Band 14 / 5MHz / QPSK

Middle Channel / 1RB

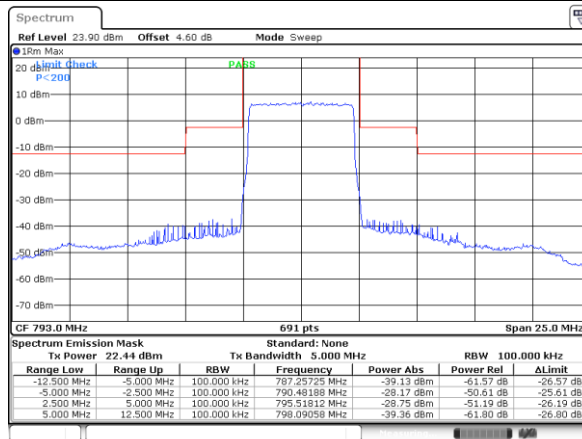


Date: 21 JUN 2020 03:31:59



Date: 21 JUN 2020 03:31:29

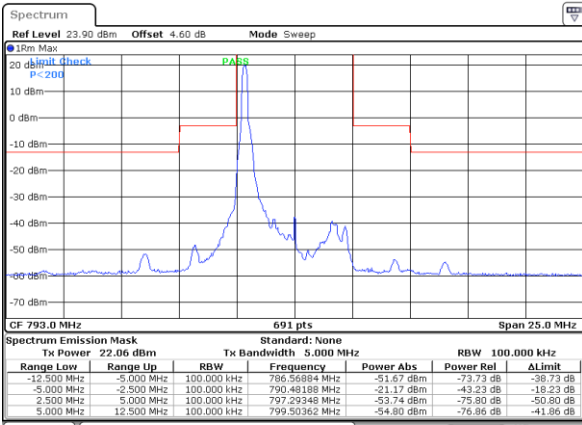
Middle Channel / Full RB



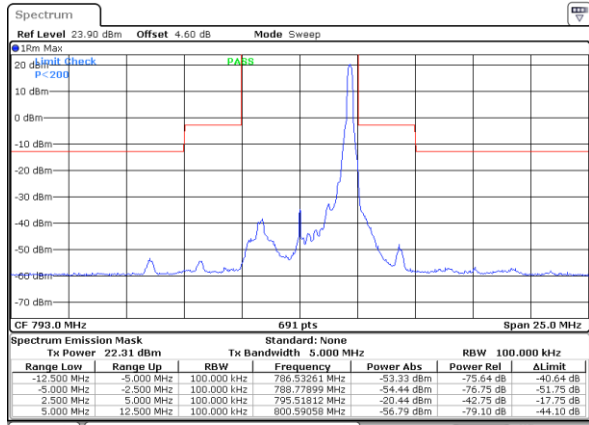
Date: 21 JUN 2020 03:34:28

LTE Band 14 / 5MHz / 16QAM

Middle Channel / 1RB

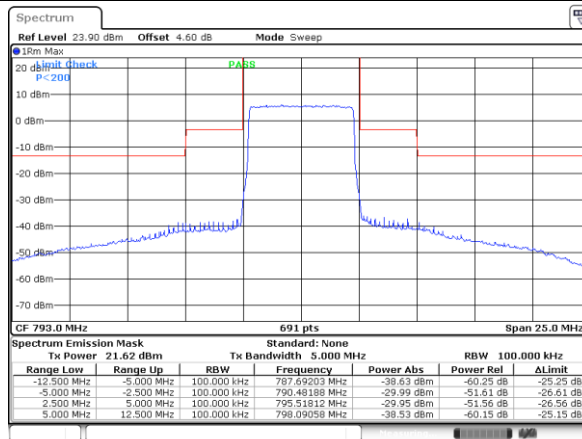


Date: 21 JUN 2020 03:32:29



Date: 21 JUN 2020 03:30:59

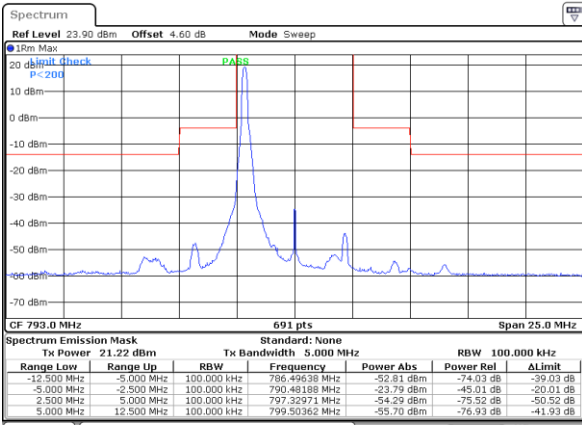
Middle Channel / Full RB



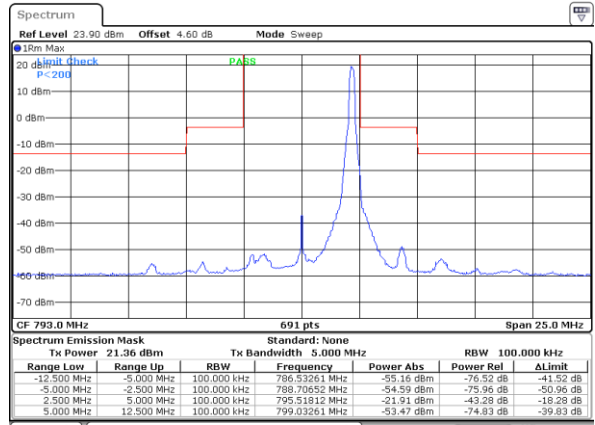
Date: 21 JUN 2020 03:33:58

LTE Band 14 / 5MHz / 64QAM

Middle Channel / 1RB

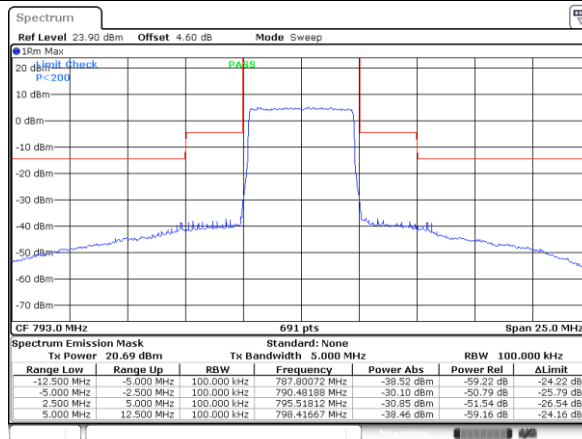


Date: 21 JUN 2020 03:32:59



Date: 21 JUN 2020 03:30:29

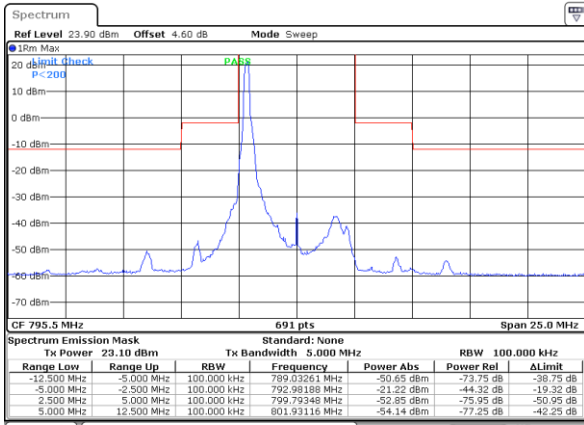
Middle Channel / Full RB



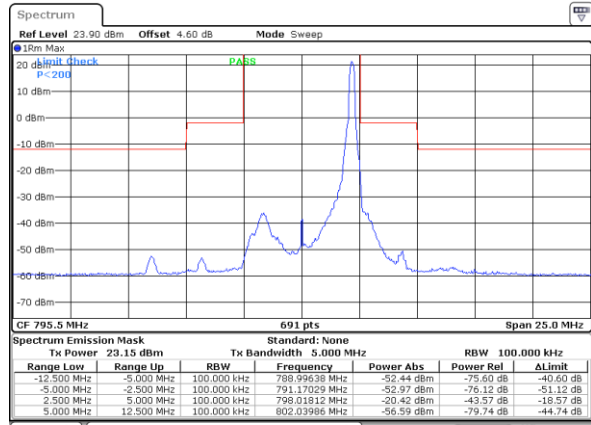
Date: 21 JUN 2020 03:33:28

LTE Band 14 / 5MHz / QPSK

Highest Channel / 1RB

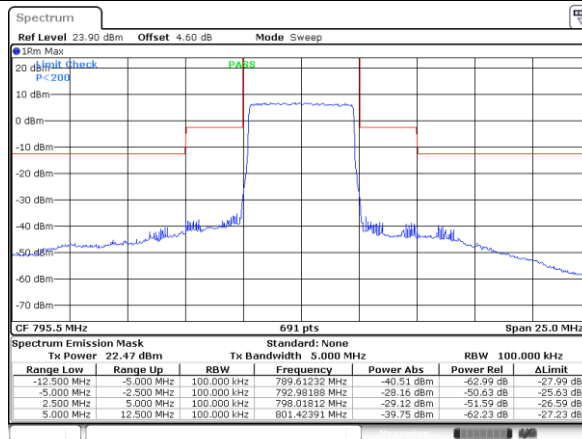


Date: 21 JUN 2020 03:37:27



Date: 21 JUN 2020 03:37:57

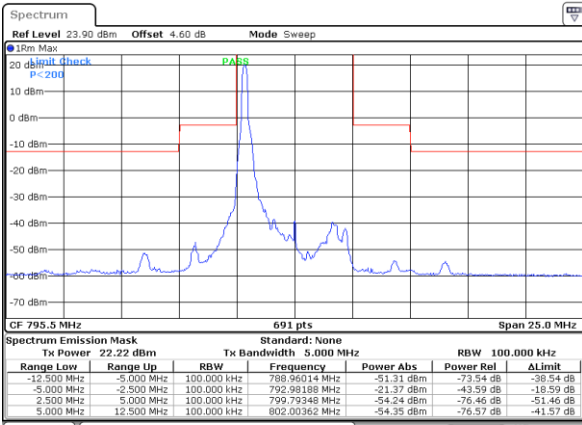
Highest Channel / Full RB



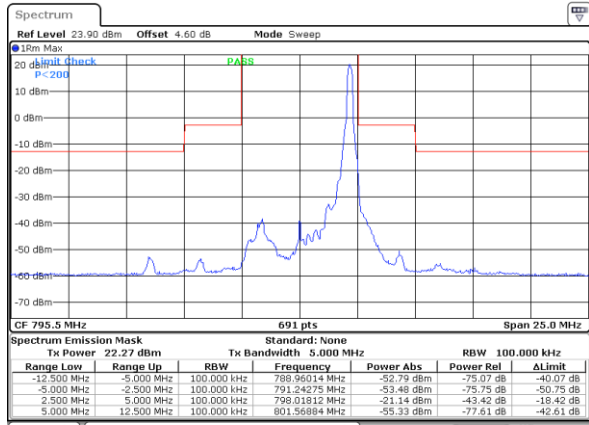
Date: 21 JUN 2020 03:34:58

LTE Band 14 / 5MHz / 16QAM

Highest Channel / 1RB

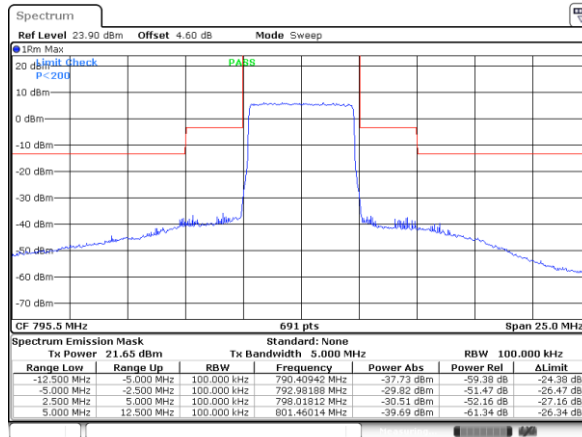


Date: 21 JUN 2020 03:36:57



Date: 21 JUN 2020 03:38:27

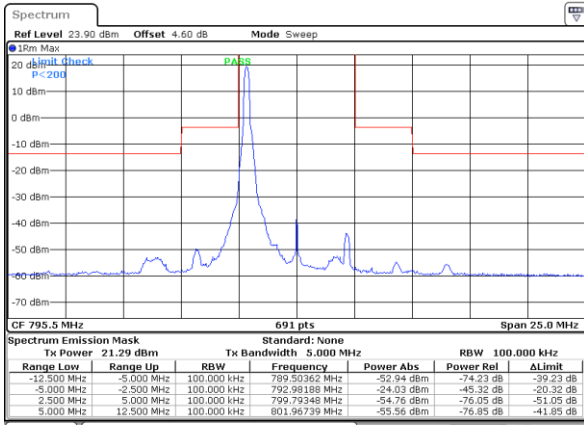
Highest Channel / Full RB



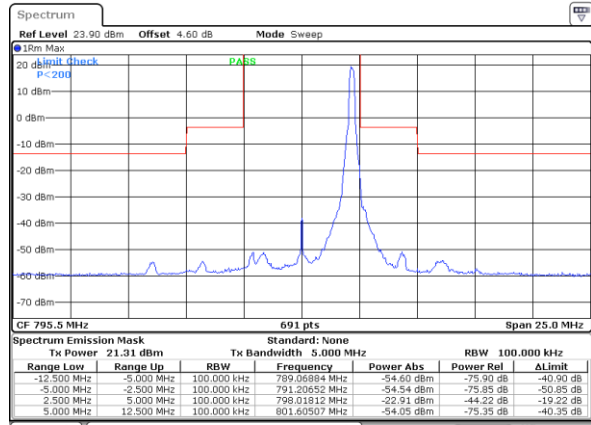
Date: 21 JUN 2020 03:35:28

LTE Band 14 / 5MHz / 64QAM

Highest Channel / 1RB

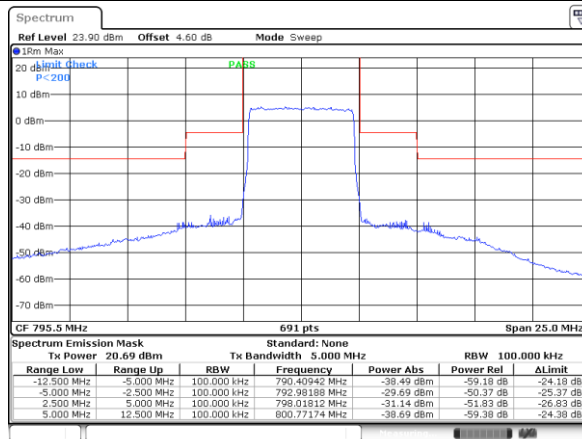


Date: 21 JUN 2020 03:36:27



Date: 21 JUN 2020 03:38:56

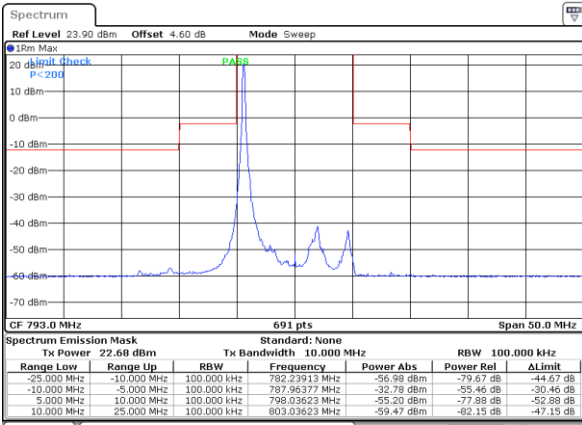
Highest Channel / Full RB



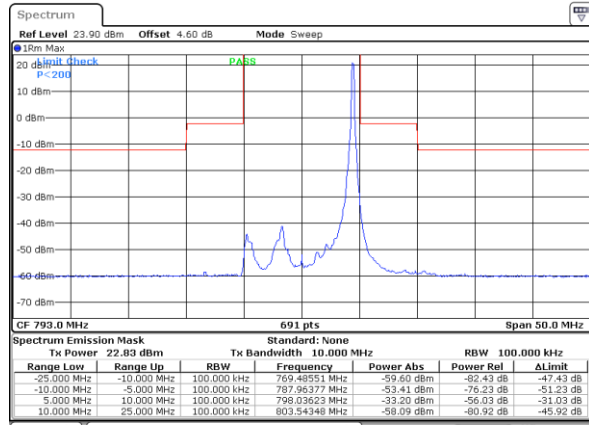
Date: 21 JUN 2020 03:35:57

LTE Band 14 / 10MHz / QPSK

Middle Channel / 1RB

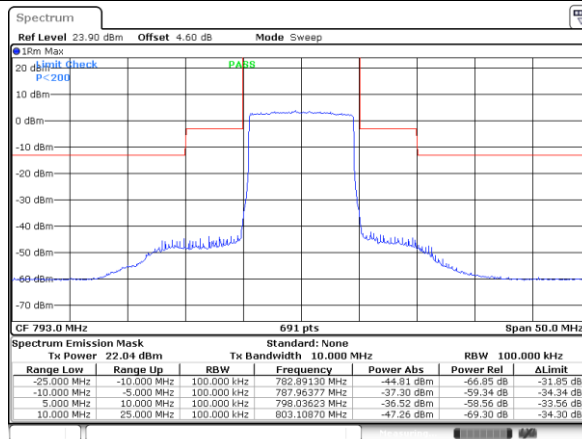


Date: 21 JUN 2020 03:40:56



Date: 21 JUN 2020 03:40:26

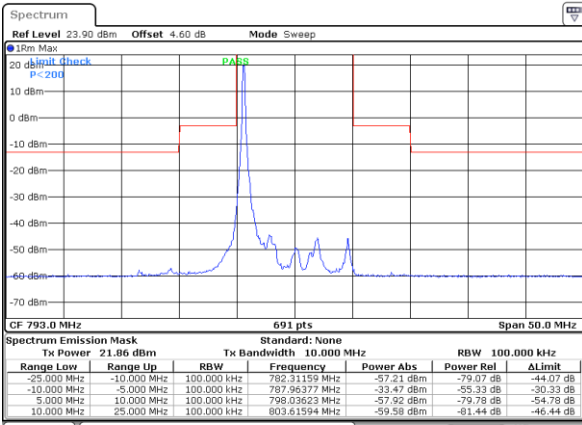
Middle Channel / Full RB



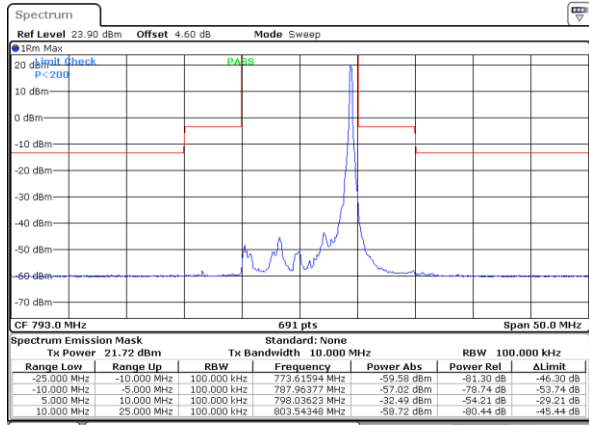
Date: 21 JUN 2020 03:43:25

LTE Band 14 / 10MHz / 16QAM

Middle Channel / 1RB

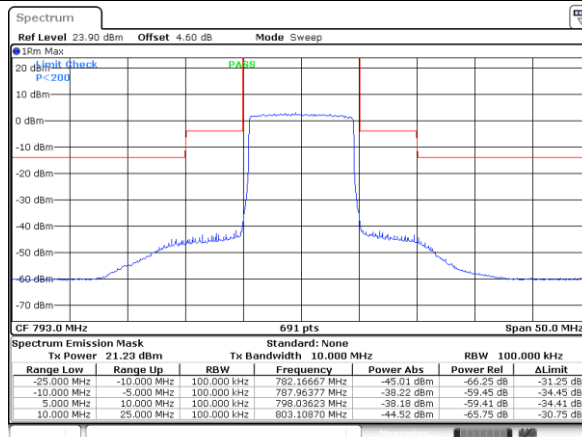


Date: 21 JUN 2020 03:41:26



Date: 21 JUN 2020 03:39:56

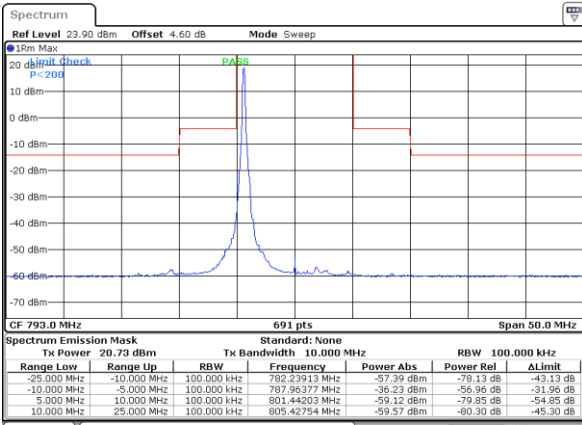
Middle Channel / Full RB



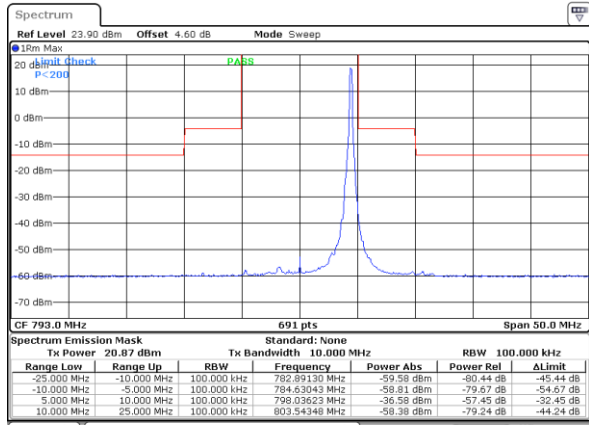
Date: 21 JUN 2020 03:42:55

LTE Band 14 / 10MHz / 64QAM

Middle Channel / 1RB

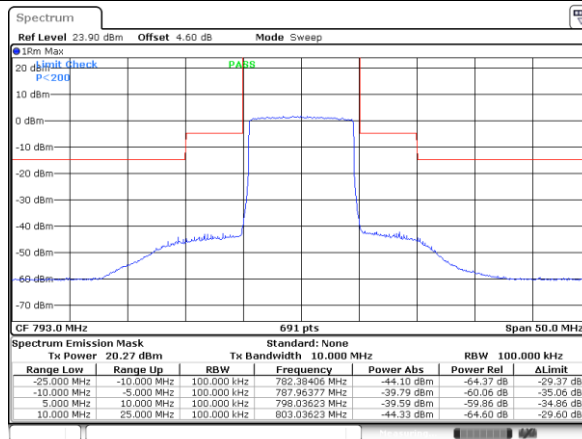


Date: 21 JUN 2020 03:41:56



Date: 21 JUN 2020 03:39:26

Middle Channel / Full RB



Date: 21 JUN 2020 03:42:25



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	0.0025	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0029	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0042	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0045	

Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.45 V.



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)
5MHz (Lowest)	1576	-66.30	-42.15	-24.15	-68.93	1.09	5.87	H
	2366	-64.15	-13	-51.15	-66.55	1.37	5.92	H
	3156	-62.85	-13	-49.85	-66.74	1.64	7.68	H
	1576.68	-66.57	-42.15	-24.42	-69.20	1.09	5.87	V
	2366	-62.52	-13	-49.52	-64.92	1.37	5.92	V
	3156	-63.03	-13	-50.03	-66.92	1.64	7.68	V
5MHz (Middle)	1582	-67.15	-42.15	-25.00	-69.78	1.09	5.87	H
	2372	-64.36	-13	-51.36	-66.76	1.37	5.92	H
	3162	-63.65	-13	-50.65	-67.54	1.64	7.68	H
	1582	-66.85	-42.15	-24.70	-69.48	1.09	5.87	V
	2372	-62.34	-13	-49.34	-64.74	1.37	5.92	V
	3162	-63.18	-13	-50.18	-67.07	1.64	7.68	V
5MHz (Highest)	1586	-67.45	-42.15	-25.30	-70.08	1.09	5.87	H
	2380	-65.00	-13	-52.00	-67.40	1.37	5.92	H
	3174	-62.99	-13	-49.99	-66.88	1.64	7.68	H
	1586	-66.84	-42.15	-24.69	-69.47	1.09	5.87	V
	2380	-64.85	-13	-51.85	-67.25	1.37	5.92	V
	3174	-62.91	-13	-49.91	-66.80	1.64	7.68	V
10MHz	1578	-66.80	-42.15	-24.65	-69.43	1.09	5.87	H
	2366	-64.80	-13	-51.80	-67.20	1.37	5.92	H
	3156	-62.85	-13	-49.85	-66.74	1.64	7.68	H
	1578	-66.31	-42.15	-24.16	-68.94	1.09	5.87	V
	2366	-54.89	-13	-41.89	-57.29	1.37	5.92	V
	3156	-62.70	-13	-49.70	-66.59	1.64	7.68	V
Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.								
Test Result					PASS			