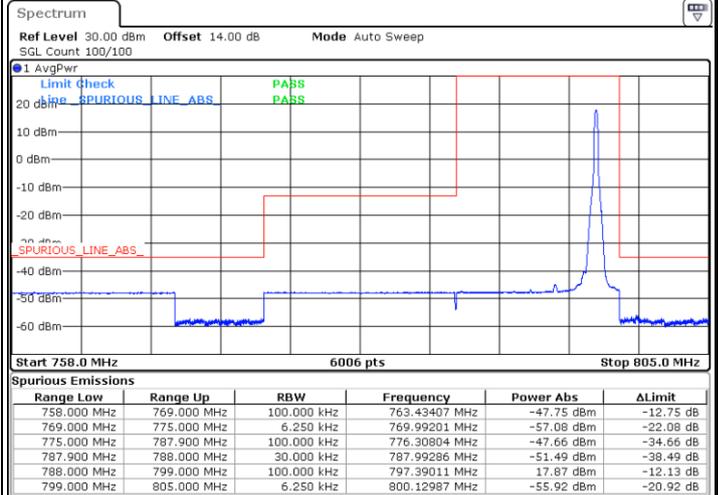
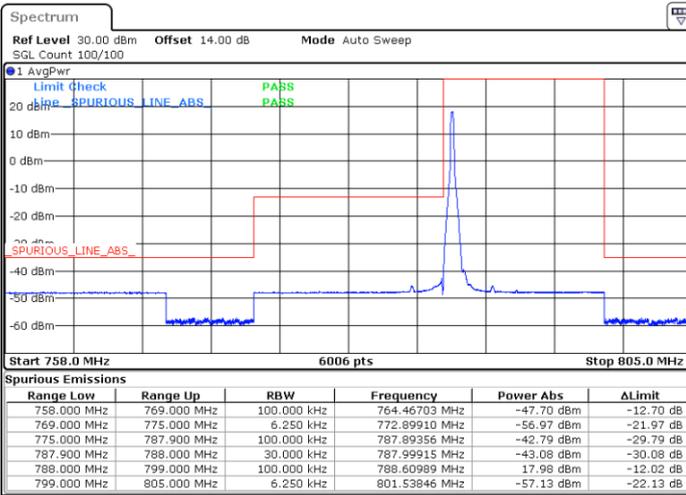




LTE Band 14 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

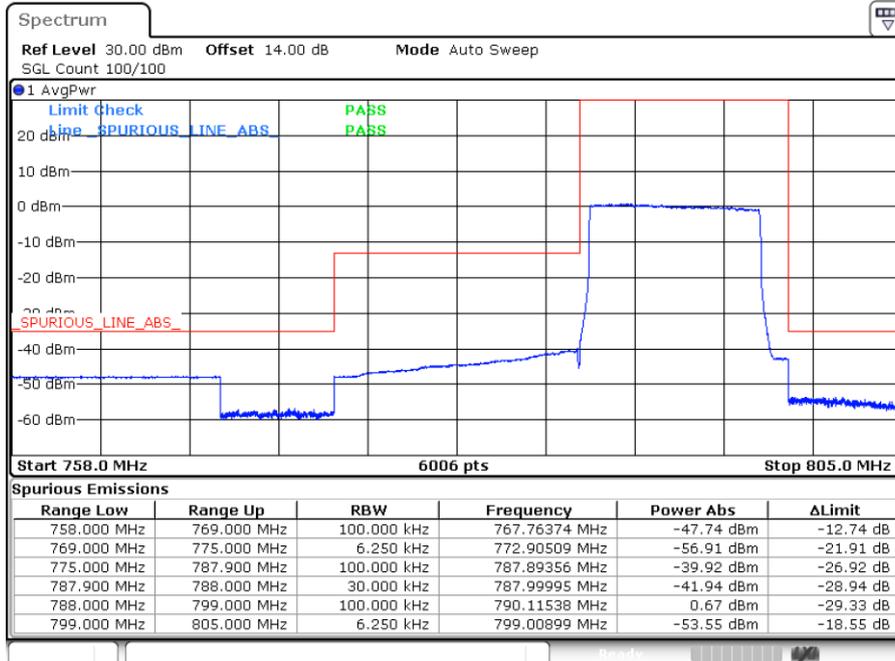
Highest Band Edge / 1 RB



Date: 9.MAR.2021 03:41:39

Date: 9.MAR.2021 03:46:44

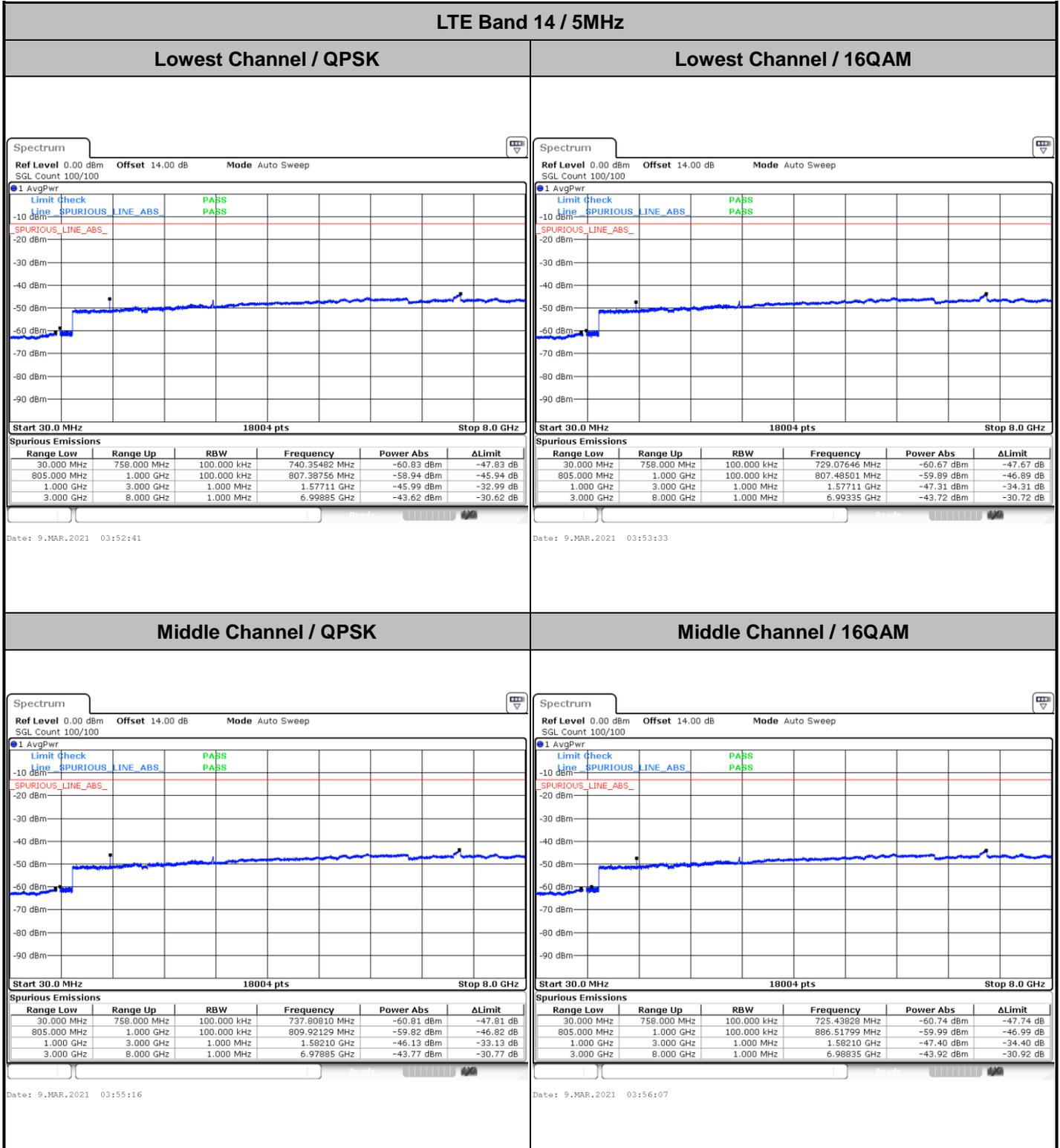
Band Edge / Full RB

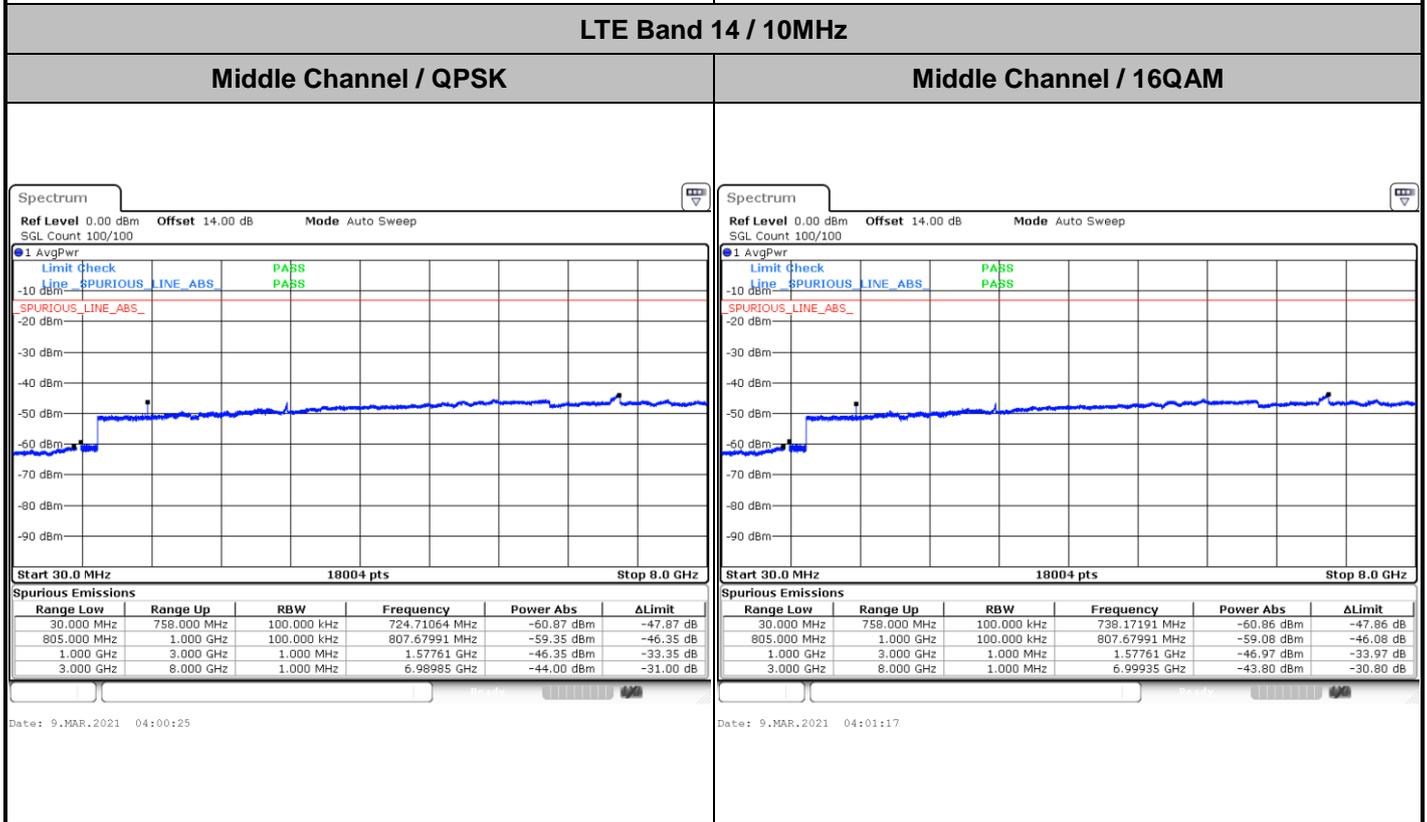
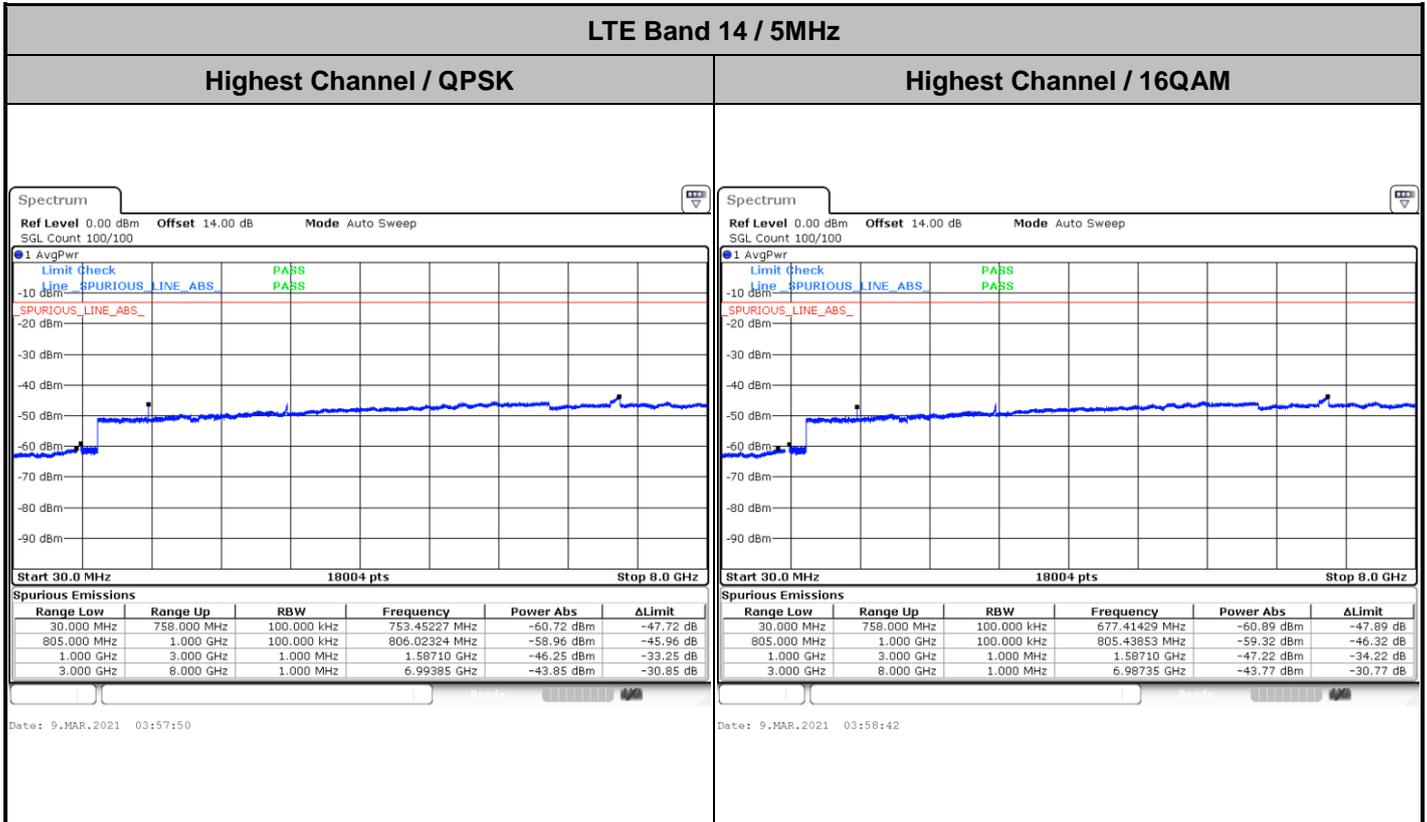


Date: 9.MAR.2021 03:51:49



Conducted Spurious Emission



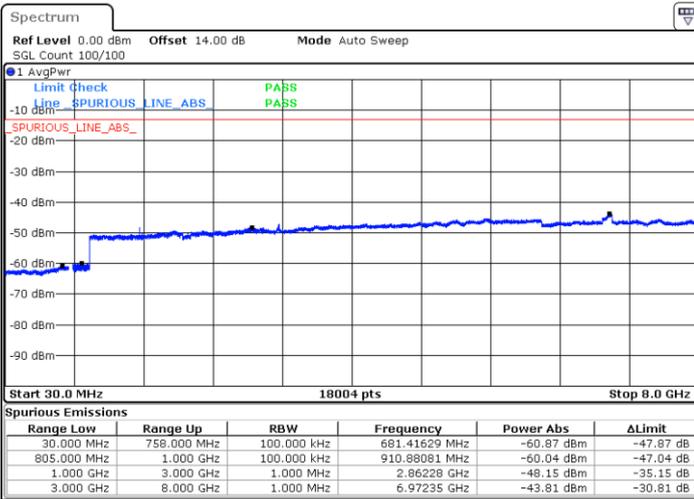




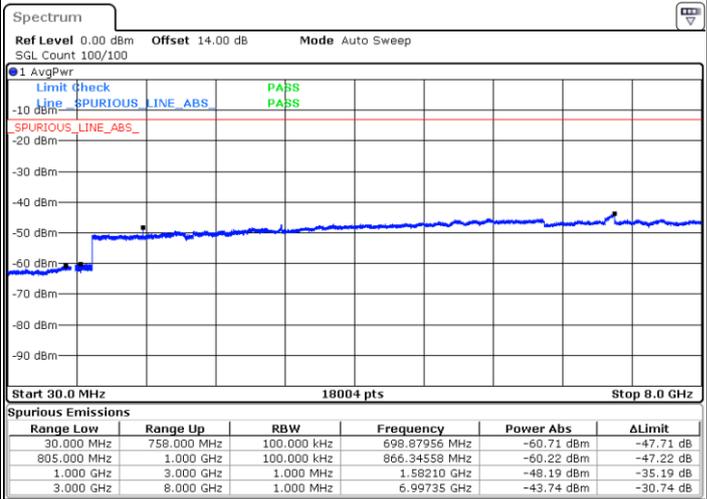
LTE Band 14 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

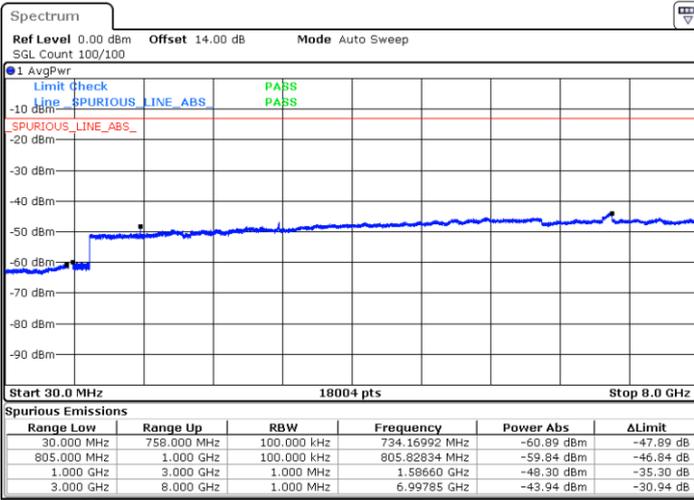


Date: 9.MAR.2021 03:54:24



Date: 9.MAR.2021 03:56:59

Highest Channel / 64QAM

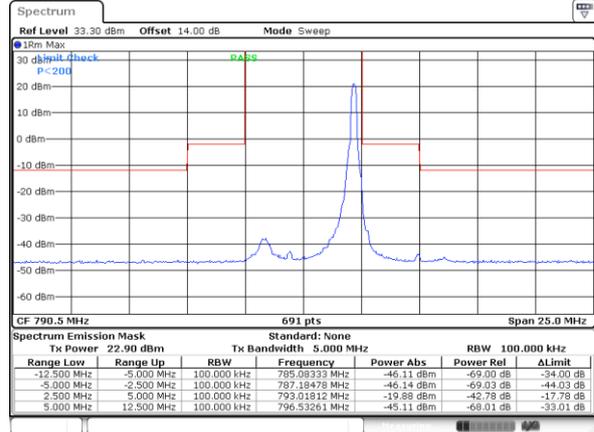
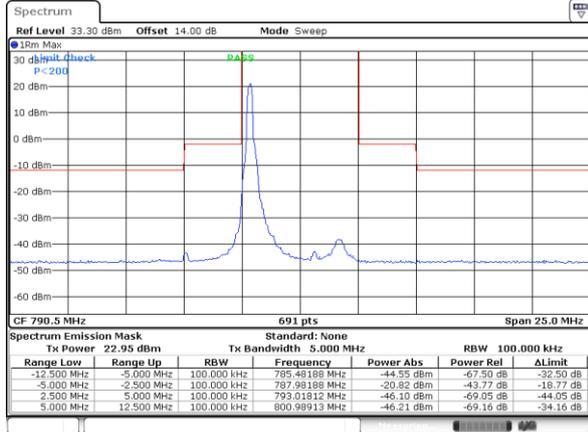


Date: 9.MAR.2021 03:59:33

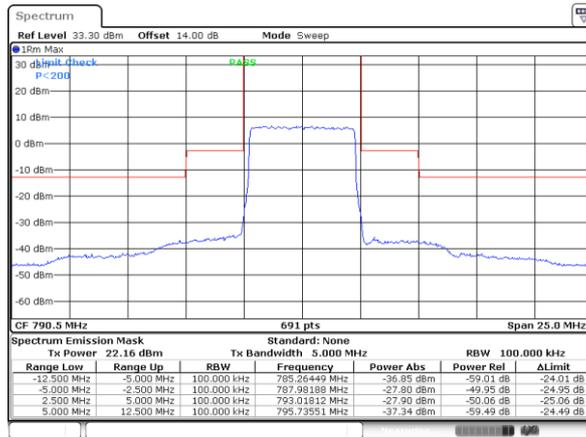
Mask

LTE Band 14 / 5MHz / QPSK

Lowest Channel / 1RB



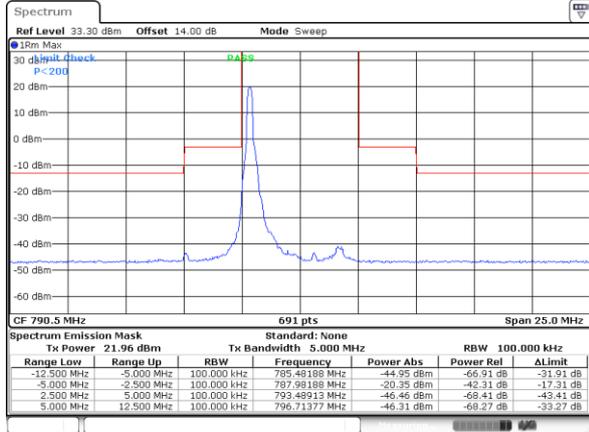
Lowest Channel / Full RB



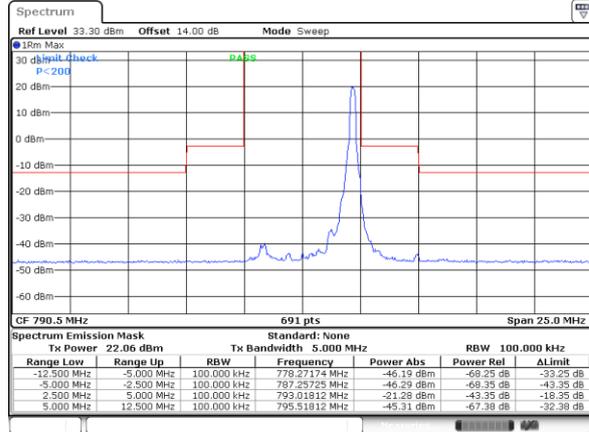


LTE Band 14 / 5MHz / 16QAM

Lowest Channel / 1RB

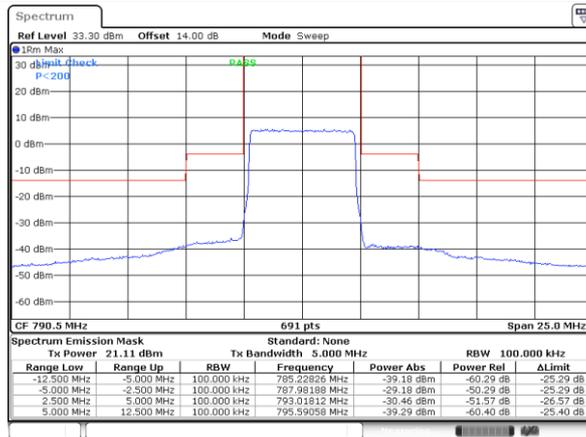


Date: 9_MAR_2021 04:39:10



Date: 9_MAR_2021 04:40:37

Lowest Channel / Full RB

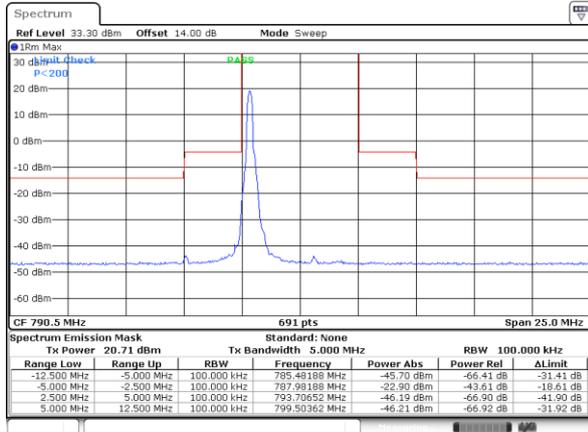


Date: 9_MAR_2021 04:37:43

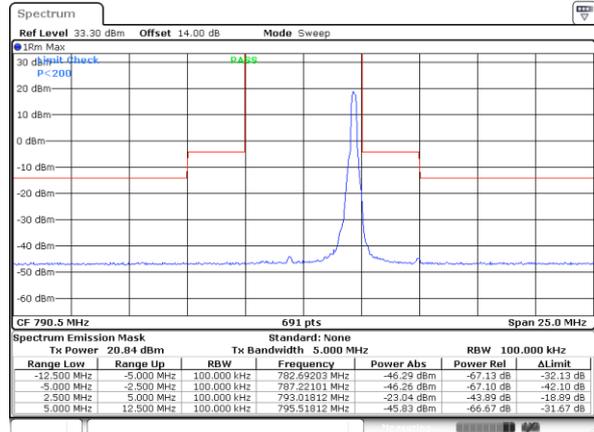


LTE Band 14 / 5MHz / 64QAM

Lowest Channel / 1RB

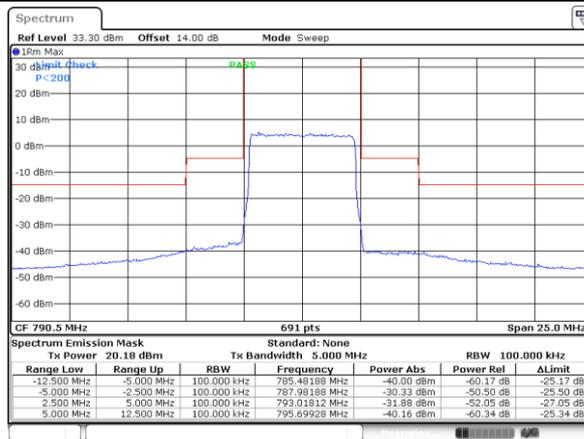


Date: 9_MAR_2021 04:13:41



Date: 9_MAR_2021 04:14:06

Lowest Channel / Full RB

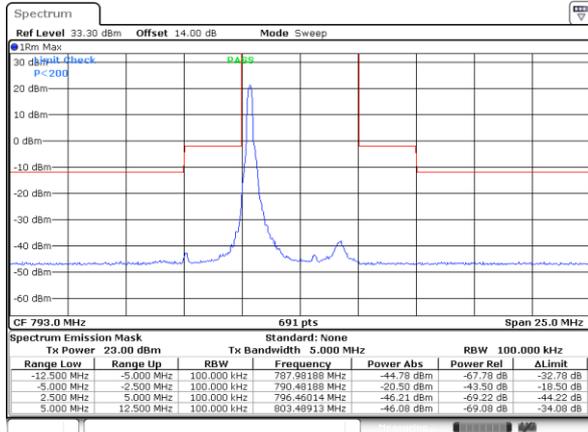


Date: 9_MAR_2021 04:13:12

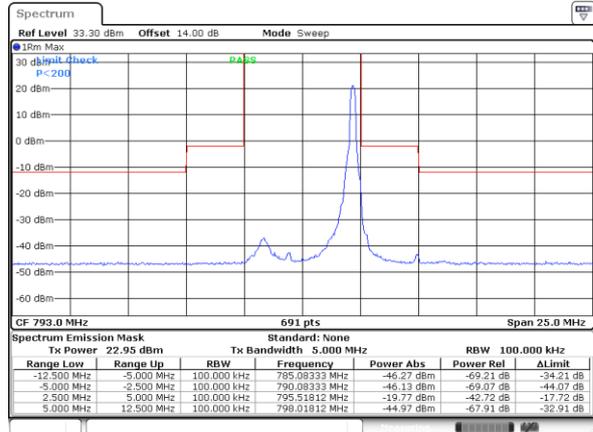


LTE Band 14 / 5MHz / QPSK

Middle Channel / 1RB

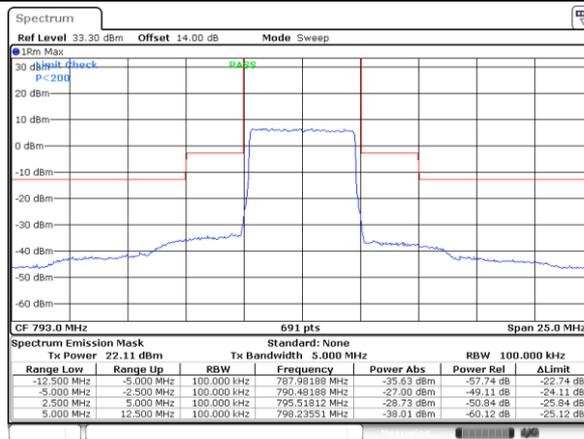


Date: 9_MAR_2021 04:43:03



Date: 9_MAR_2021 04:42:33

Middle Channel / Full RB

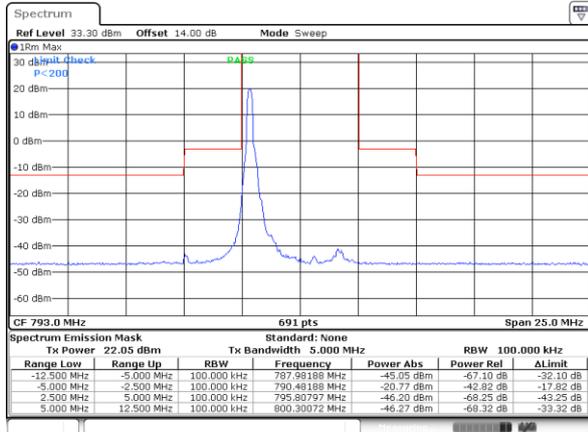


Date: 9_MAR_2021 04:45:29

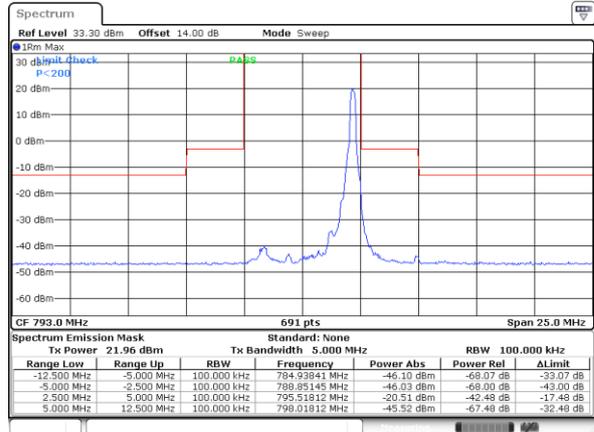


LTE Band 14 / 5MHz / 16QAM

Middle Channel / 1RB

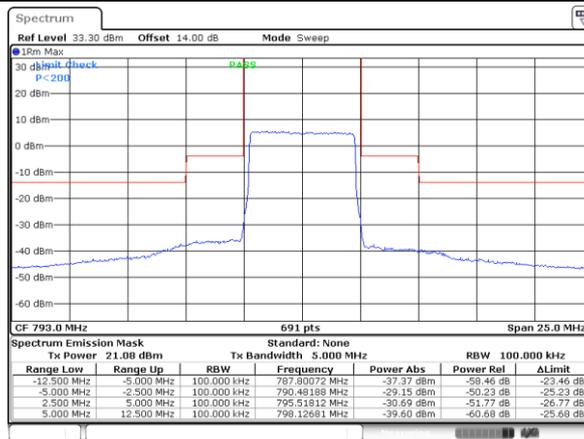


Date: 9_MAR_2021 04:43:32



Date: 9_MAR_2021 04:42:04

Middle Channel / Full RB

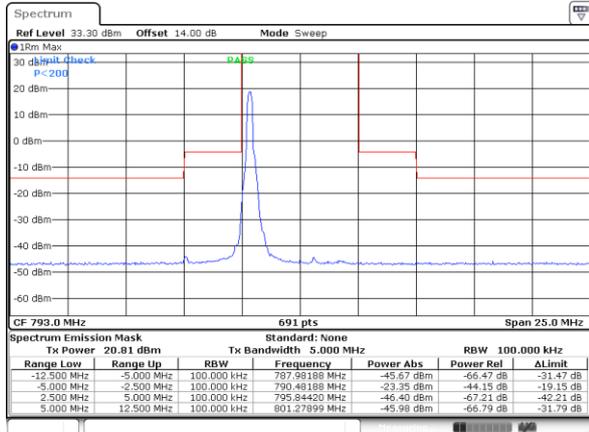


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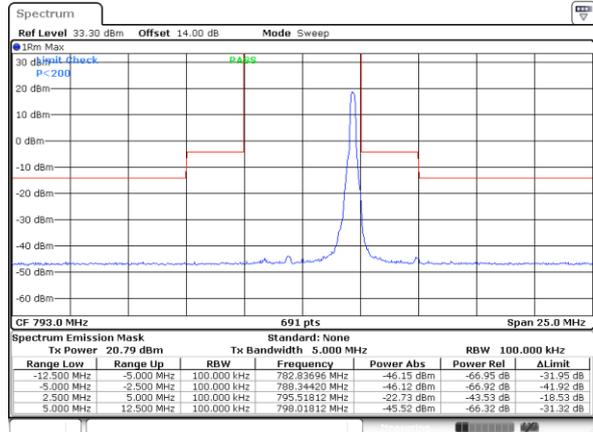


LTE Band 14 / 5MHz / 64QAM

Middle Channel / 1RB



Date: 9_MAR.2021 04:44:01



Date: 9_MAR.2021 04:41:35

Middle Channel / Full RB

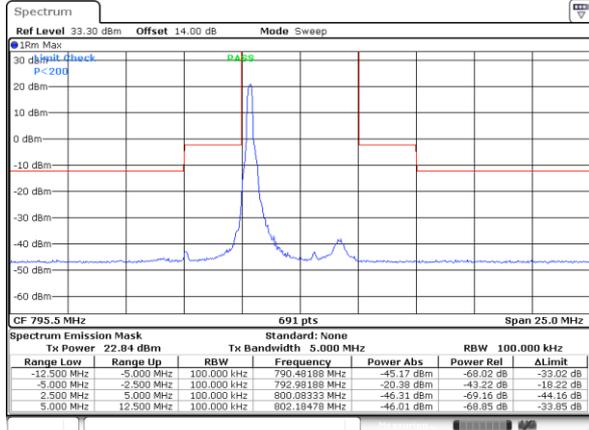


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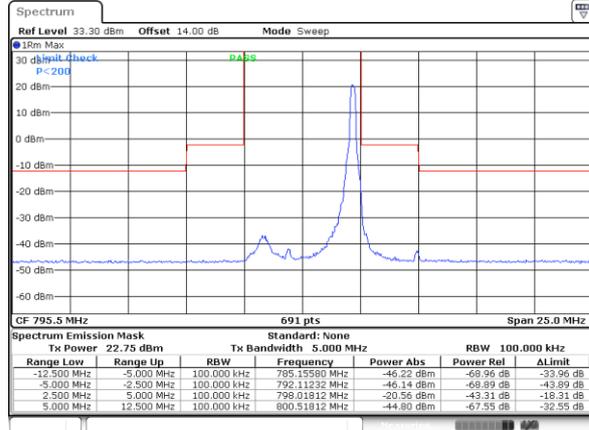


LTE Band 14 / 5MHz / QPSK

Highest Channel / 1RB



Date: 9_MAR_2021 04:48:23



Date: 9_MAR_2021 04:48:52

Highest Channel / Full RB

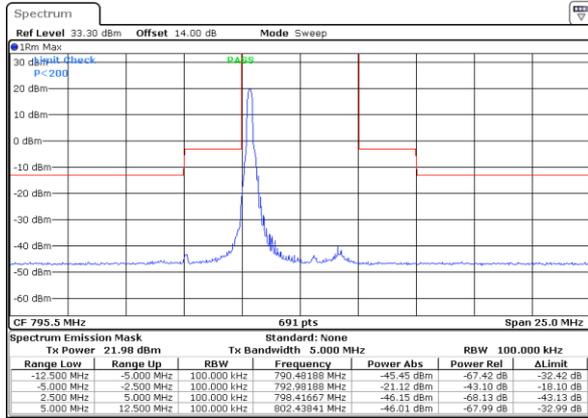


Date: 9_MAR_2021 04:45:58

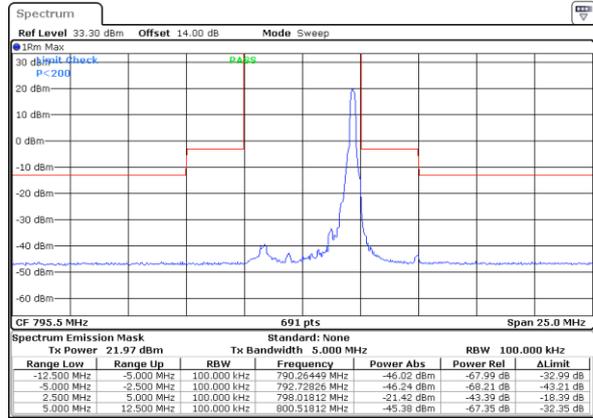


LTE Band 14 / 5MHz / 16QAM

Highest Channel / 1RB

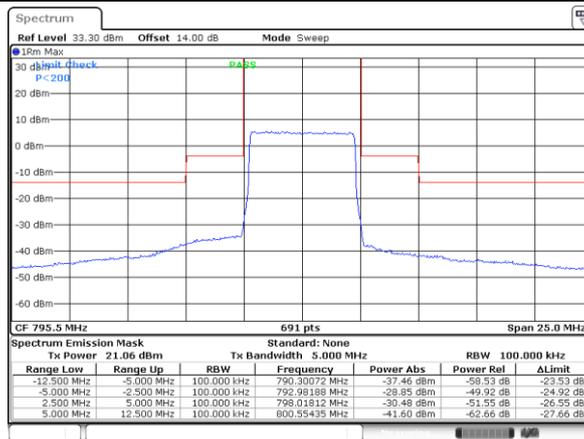


Date: 9_MAR_2021 04:47:54



Date: 9_MAR_2021 04:49:21

Highest Channel / Full RB

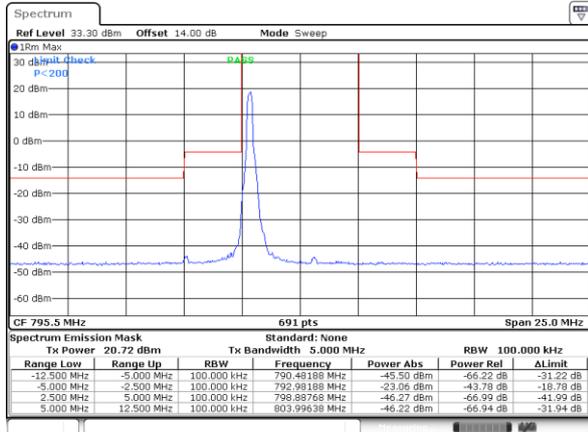


Date: 9_MAR_2021 04:46:27

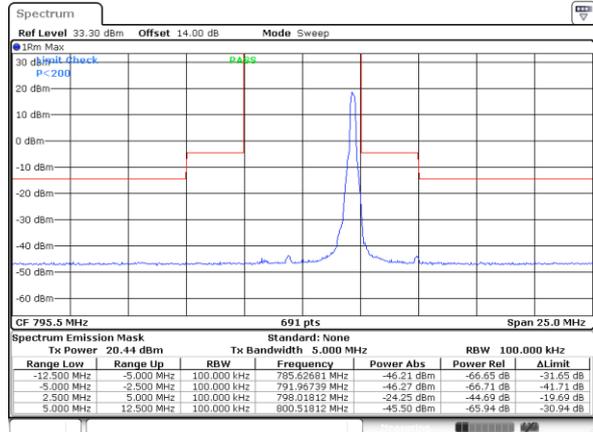


LTE Band 14 / 5MHz / 64QAM

Highest Channel / 1RB



Date: 9_MAR_2021 04:47:25



Date: 9_MAR_2021 04:49:49

Highest Channel / Full RB

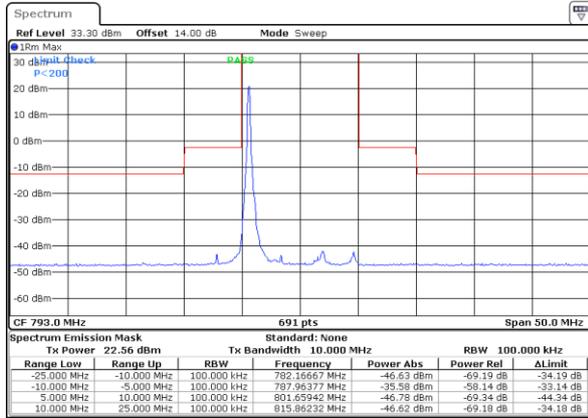


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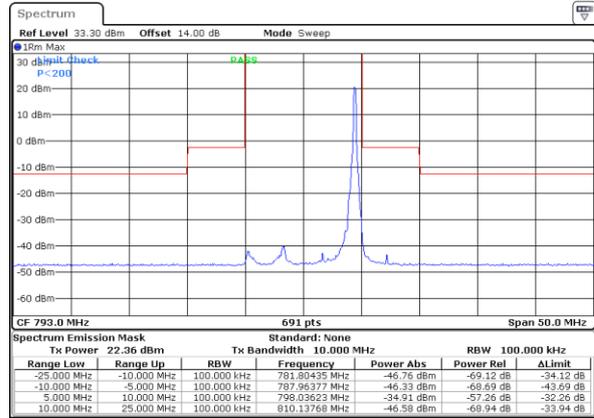


LTE Band 14 / 10MHz / QPSK

Middle Channel / 1RB

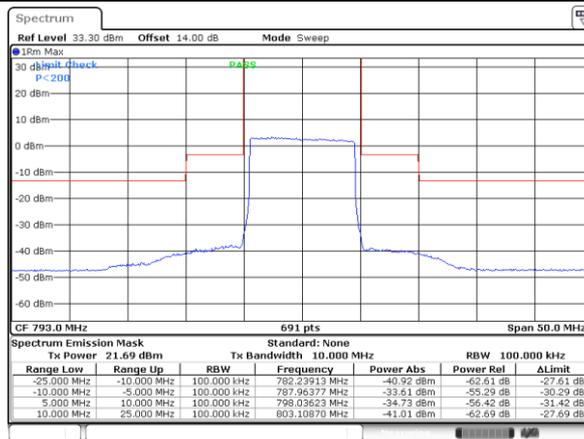


Date: 9_MAR.2021 04:51:47



Date: 9_MAR.2021 04:51:17

Middle Channel / Full RB

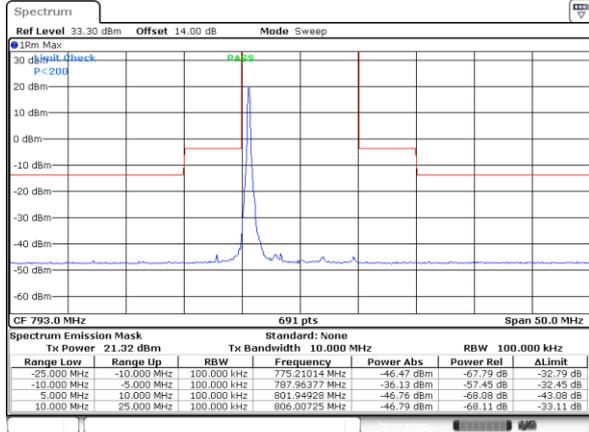


Date: 9_MAR.2021 04:54:12

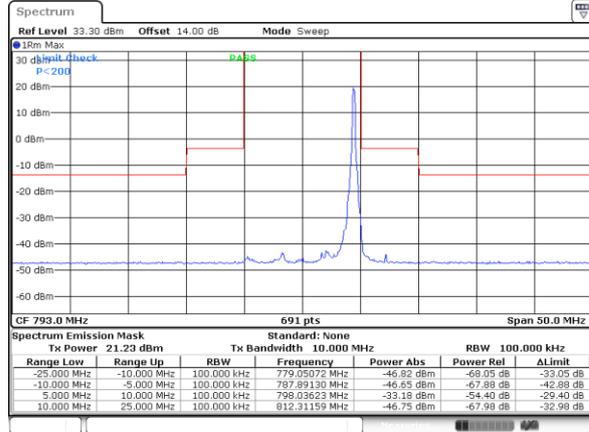


LTE Band 14 / 10MHz / 16QAM

Middle Channel / 1RB

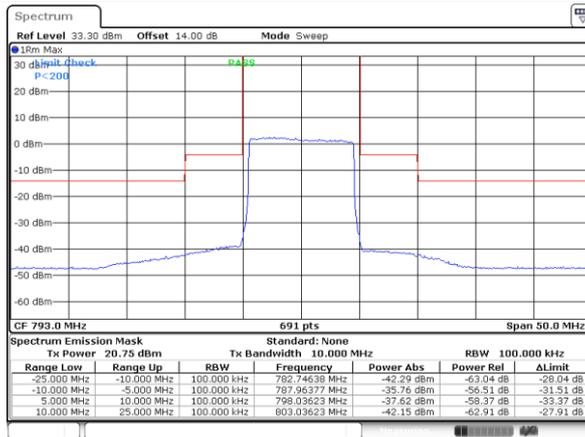


Date: 9_MAR.2021 04:52:16



Date: 9_MAR.2021 04:50:48

Middle Channel / Full RB

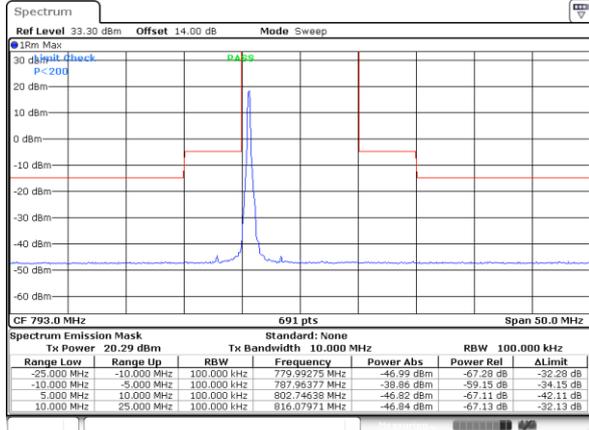


Date: 9_MAR.2021 04:53:43

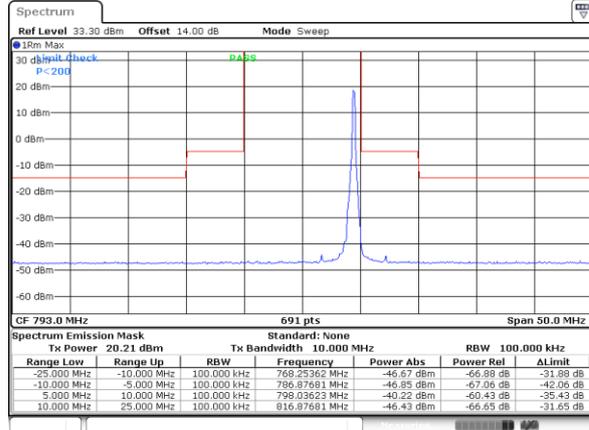


LTE Band 14 / 10MHz / 64QAM

Middle Channel / 1RB



Date: 9_MAR.2021 04:52:45



Date: 9_MAR.2021 04:50:19

Middle Channel / Full RB



Date: 9_MAR.2021 04:53:14

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	0.0003	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.45 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

Top antenna:

LTE Band 14 / 10MHz / 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)
Middle	1577	-62.33	-40	-22.33	-71.65	-66.74	2.63	9.19	H
	2365.5	-58.41	-13	-45.41	-70.40	-63.16	3.49	10.39	H
	3154	-61.41	-13	-48.41	-76.23	-67.49	4.16	12.39	H
	1577	-64.08	-40	-24.08	-73.16	-68.49	2.63	9.19	V
	2365.5	-59.70	-13	-46.70	-71.63	-64.45	3.49	10.39	V
	3154	-61.65	-13	-48.65	-76.23	-67.73	4.16	12.39	V
Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.									
Test Result					PASS				

Bottom antenna:

LTE Band 14 / 10MHz / 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)
Middle	1577	-62.88	-40	-22.88	-72.20	-66.13	4.00	9.40	H
	2365.5	-64.01	-13	-51.01	-76.00	-67.58	4.88	10.60	H
	3154	-61.65	-13	-48.65	-76.47	-66.58	5.52	12.60	H
	1577	-64.44	-40	-24.44	-73.52	-67.69	4.00	9.40	V
	2365.5	-63.95	-13	-50.95	-75.88	-67.52	4.88	10.60	V
	3154	-62.00	-13	-49.00	-76.58	-66.93	5.52	12.60	V
Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.									
Test Result					PASS				