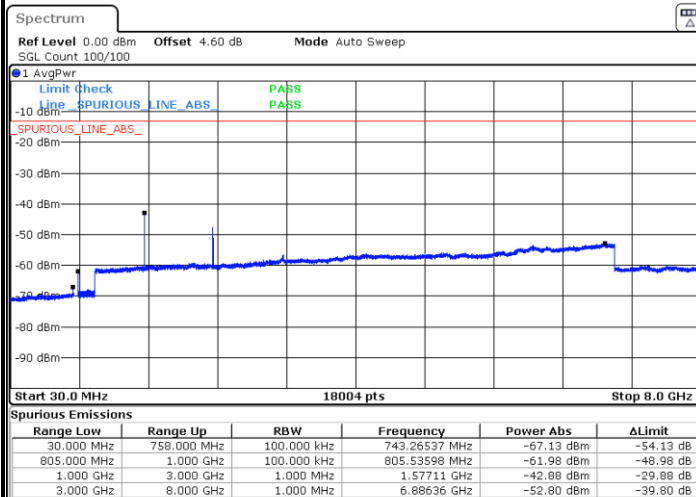




Conducted Spurious Emission

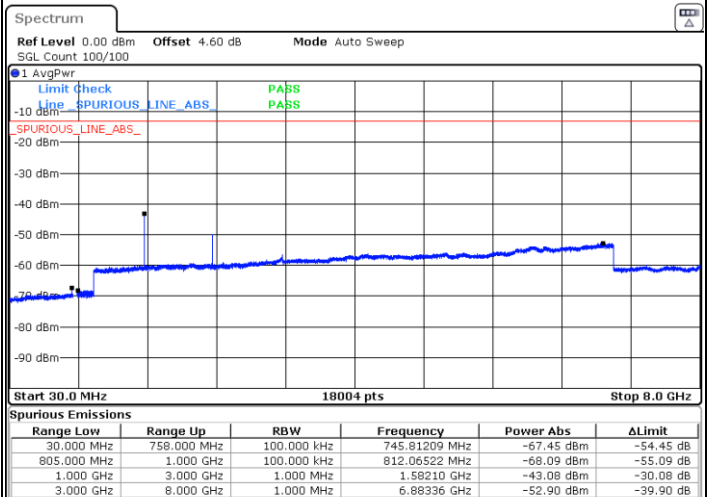
LTE Band 14 / 5MHz

Lowest Channel / QPSK



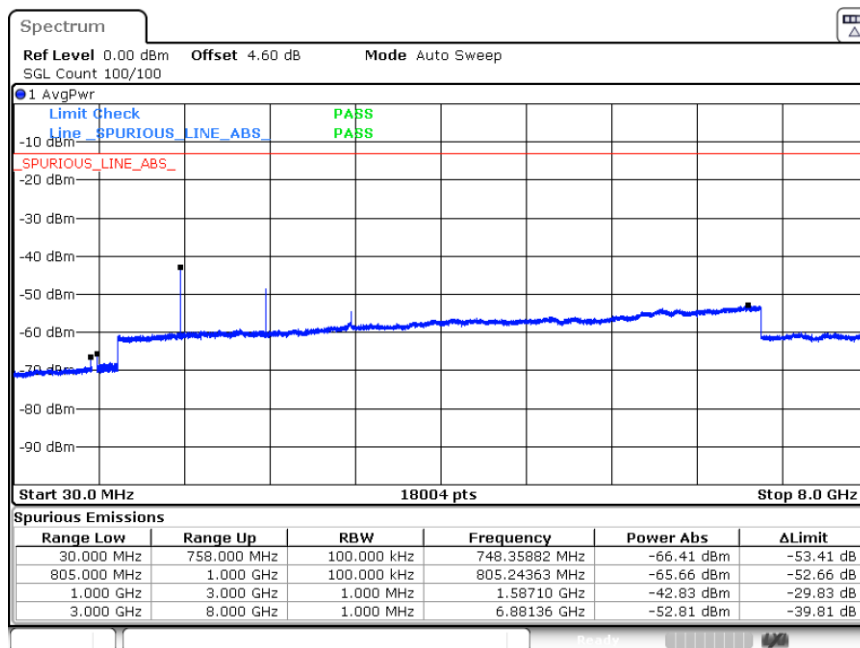
Date: 26.APR.2022 21:34:58

Middle Channel / QPSK



Date: 26.APR.2022 21:36:19

Highest Channel / QPSK

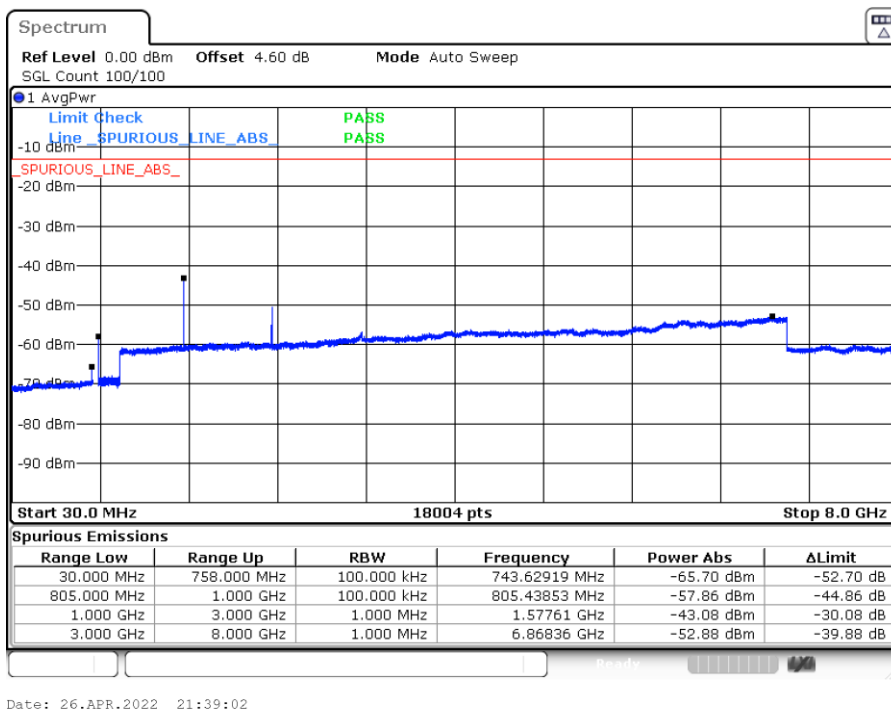


Date: 26.APR.2022 21:37:40



LTE Band 14 / 10MHz

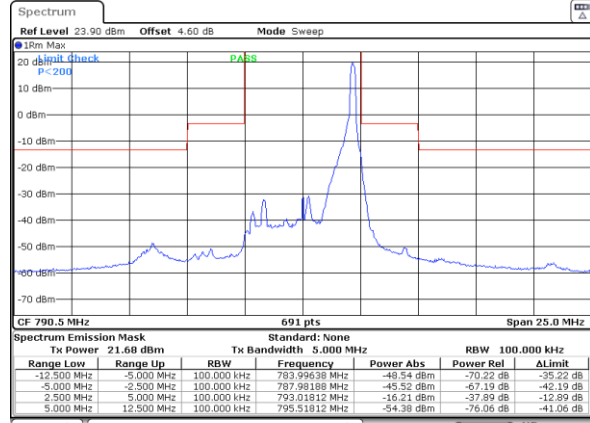
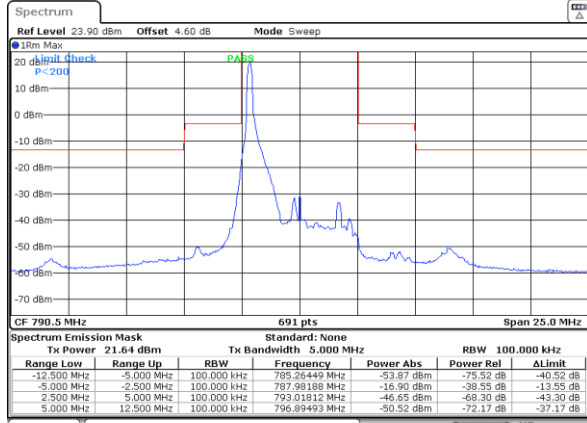
Middle Channel / QPSK



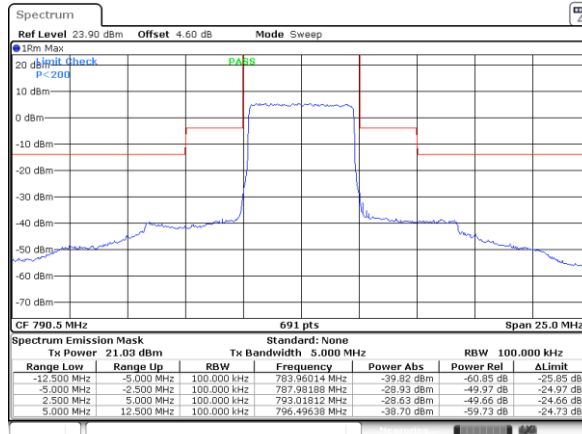
MASK

LTE Band 14 / 5MHz / QPSK

Lowest Channel / 1RB

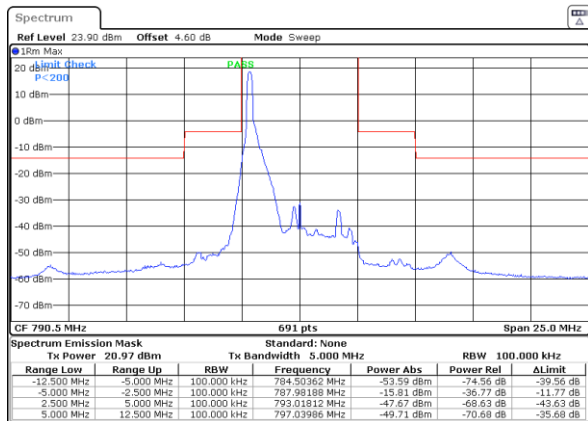


Lowest Channel / Full RB

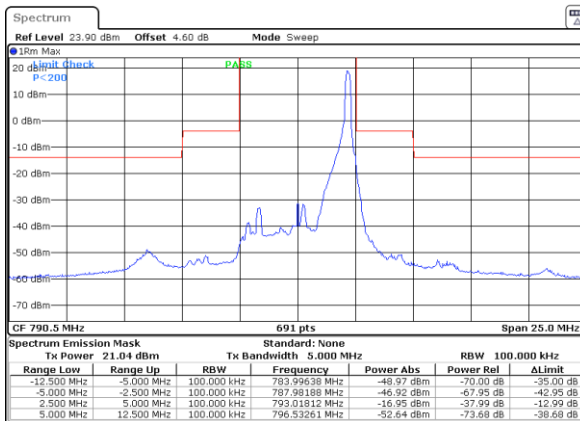


LTE Band 14 / 5MHz / 16QAM

Lowest Channel / 1RB

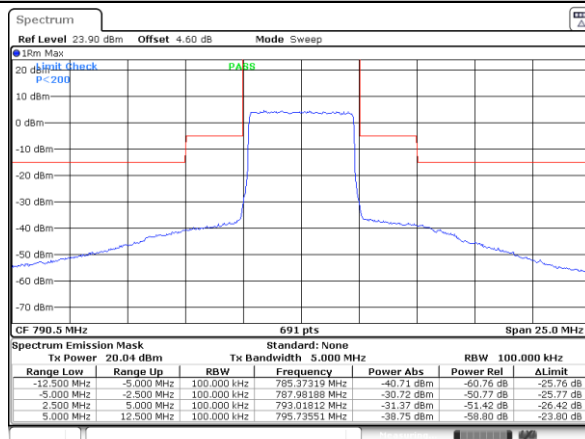


Date: 26.APR.2022 21:04:27



Date: 26.APR.2022 21:06:22

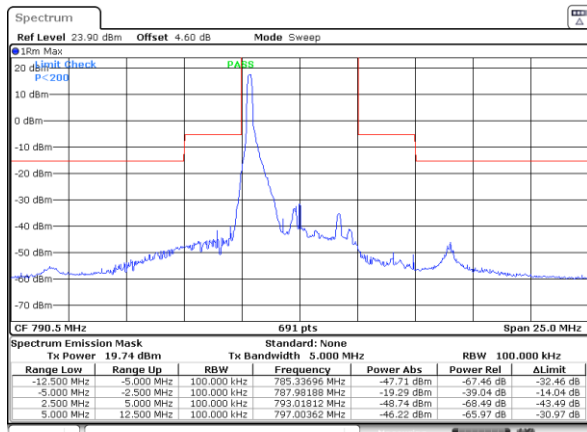
Lowest Channel / Full RB



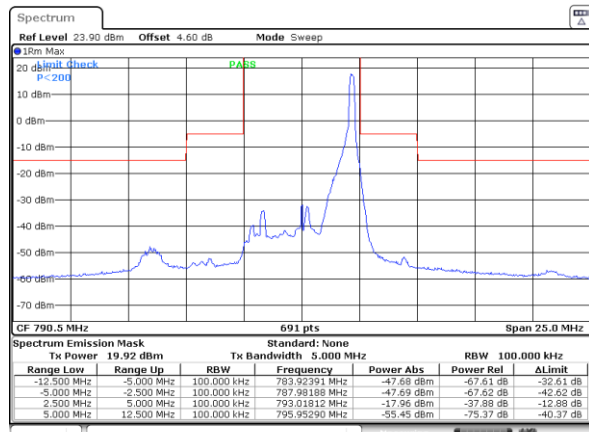
Date: 26.APR.2022 21:02:33

LTE Band 14 / 5MHz / 64QAM

Lowest Channel / 1RB

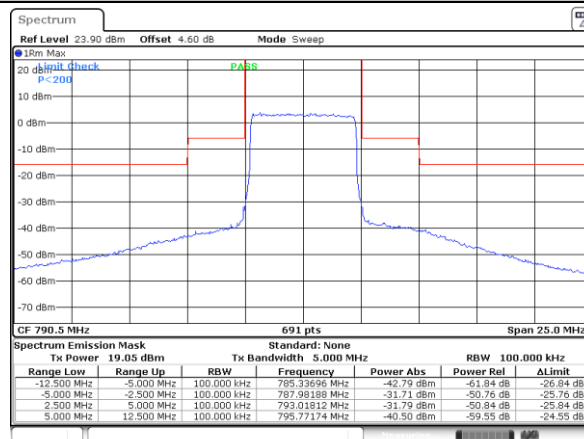


Date: 26.APR.2022 21:03:49



Date: 26.APR.2022 21:07:00

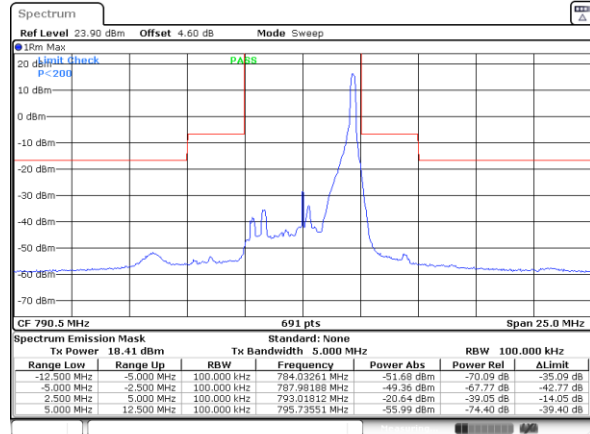
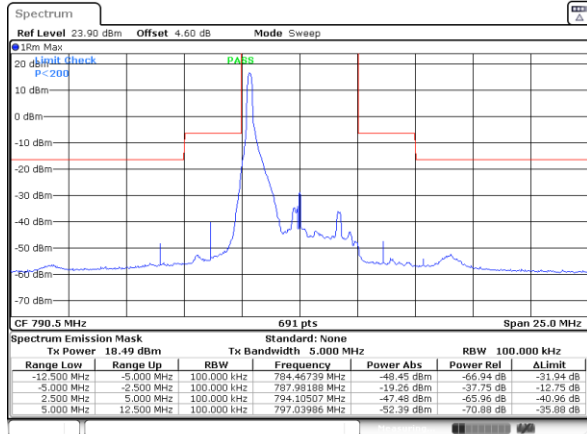
Lowest Channel / Full RB



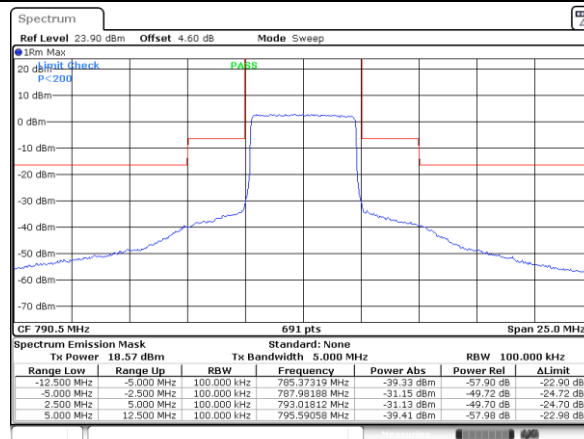
Date: 26.APR.2022 21:03:11

LTE Band 14 / 5MHz / 256QAM

Lowest Channel / 1RB

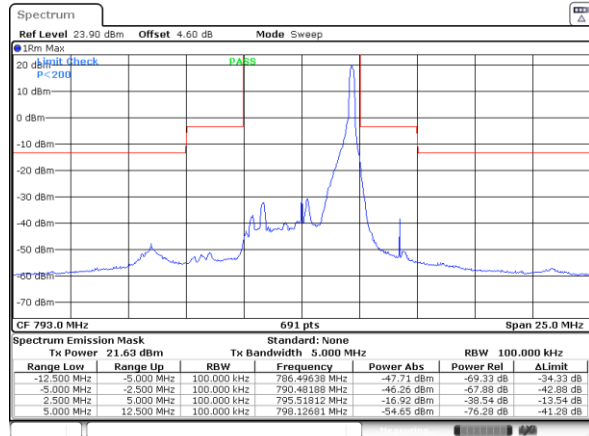
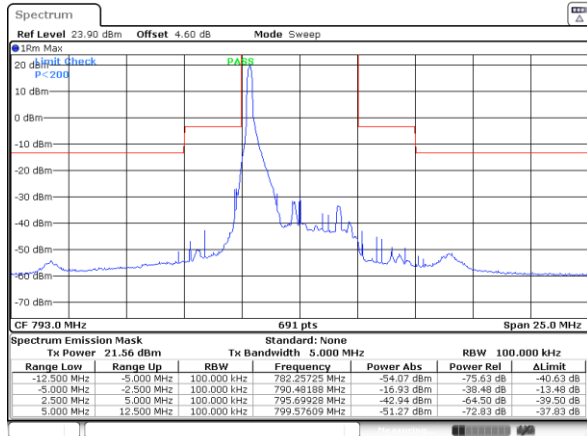


Lowest Channel / Full RB

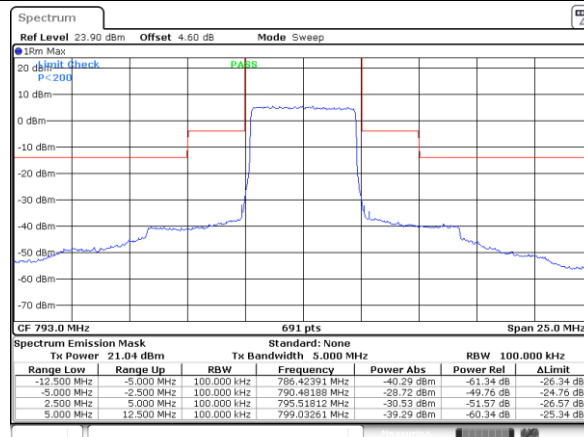


LTE Band 14 / 5MHz / QPSK

Middle Channel / 1RB

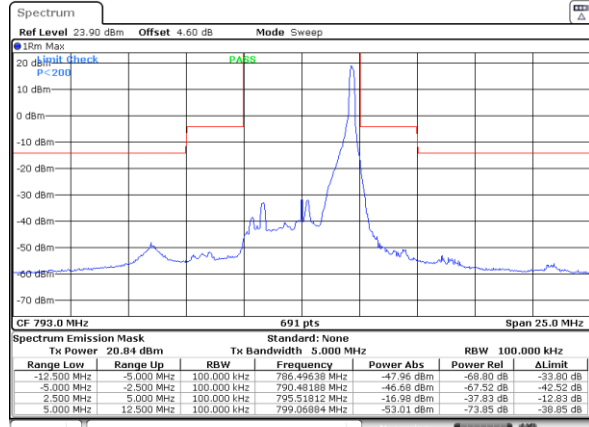
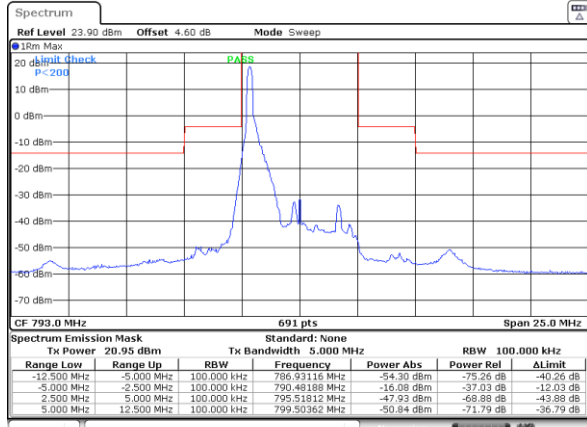


Middle Channel / Full RB

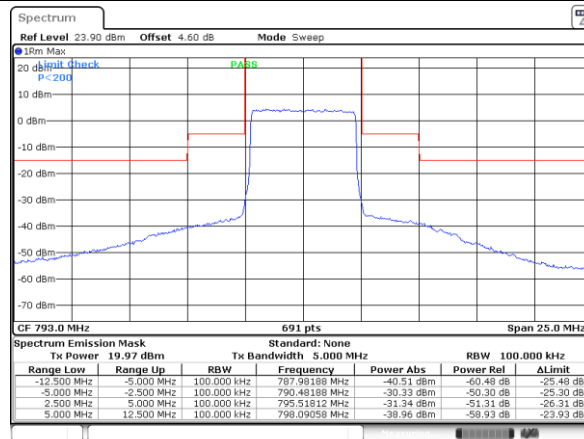


LTE Band 14 / 5MHz / 16QAM

Middle Channel / 1RB

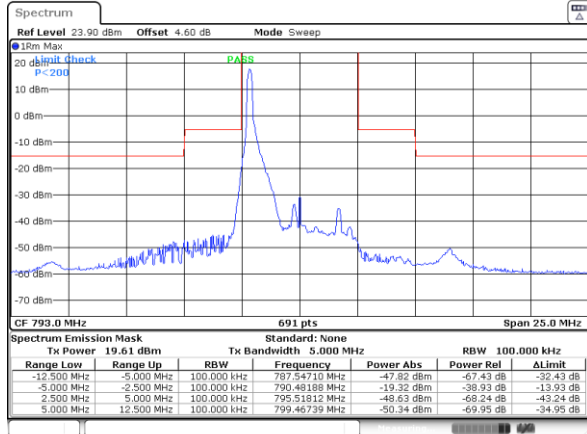


Middle Channel / Full RB

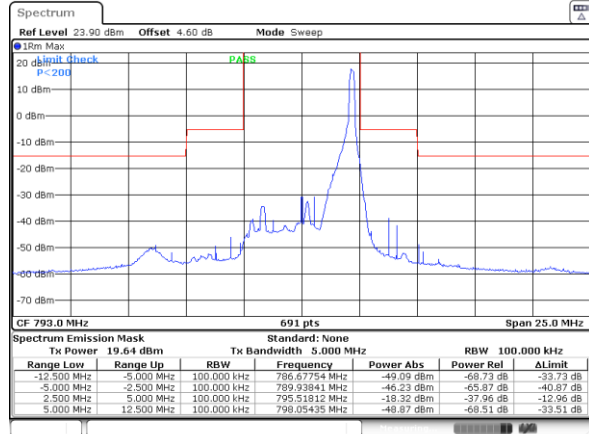


LTE Band 14 / 5MHz / 64QAM

Middle Channel / 1RB

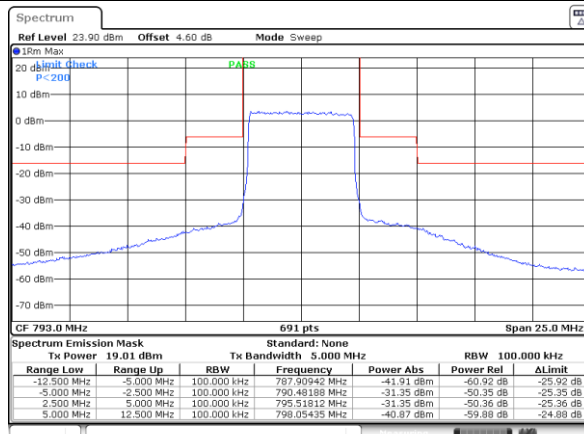


Date: 26.APR.2022 21:10:45



Date: 26.APR.2022 21:07:37

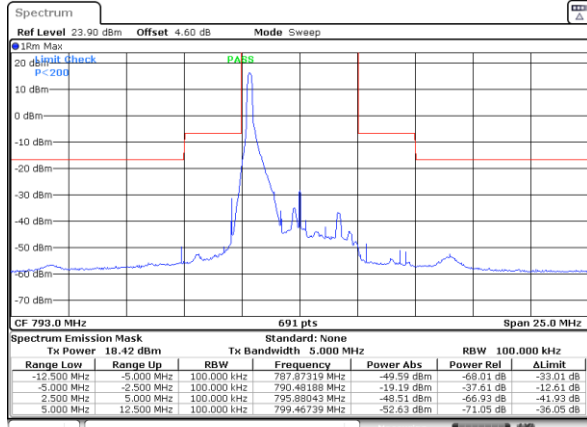
Middle Channel / Full RB



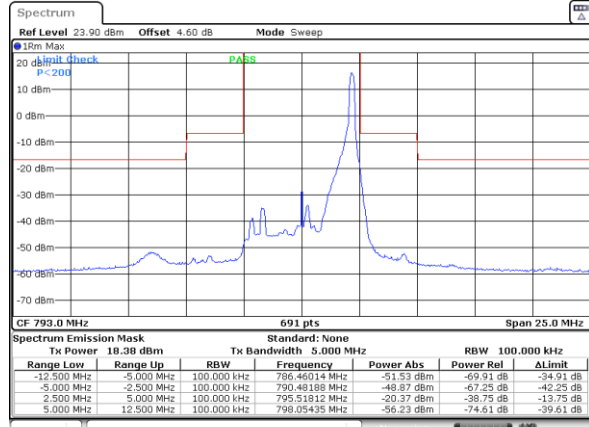
Date: 26.APR.2022 21:11:53

LTE Band 14 / 5MHz / 256QAM

Middle Channel / 1RB

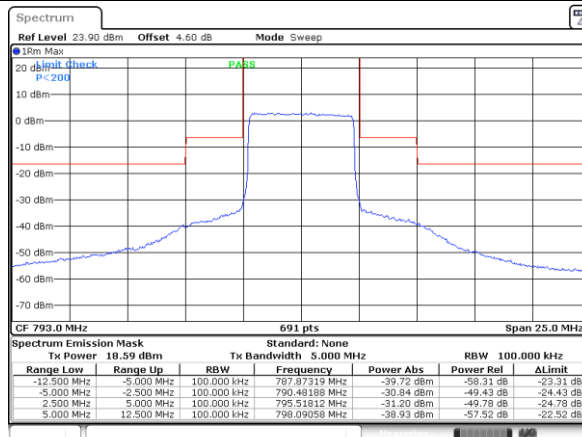


Date: 12 MAY 2022 16:25:09



Date: 12 MAY 2022 16:26:04

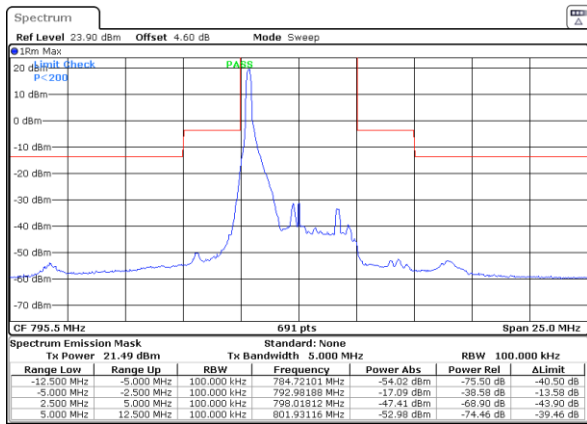
Middle Channel / Full RB



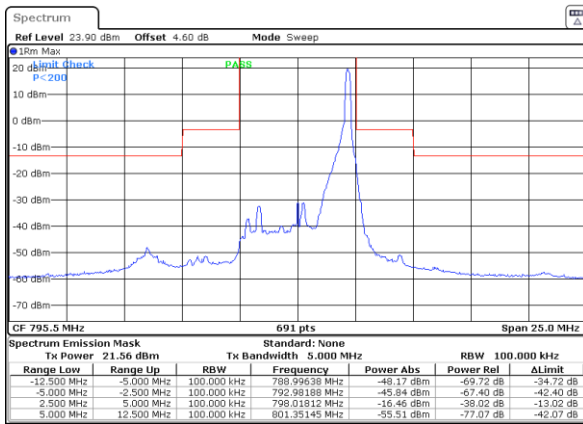
Date: 12 MAY 2022 16:23:45

LTE Band 14 / 5MHz / QPSK

Highest Channel / 1RB

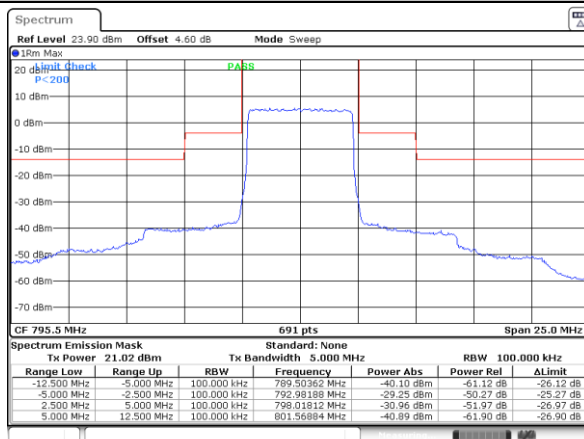


Date: 26.APR.2022 21:16:27



Date: 26.APR.2022 21:17:05

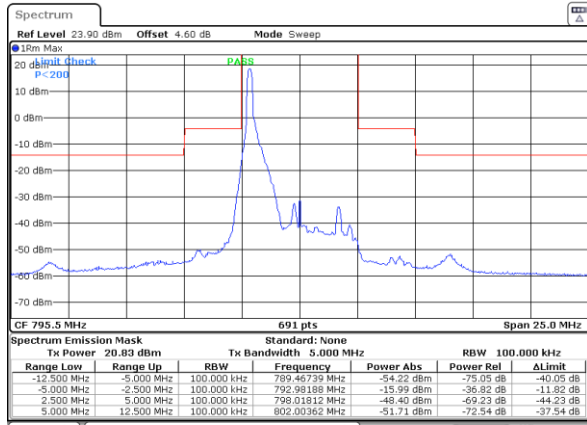
Highest Channel / Full RB



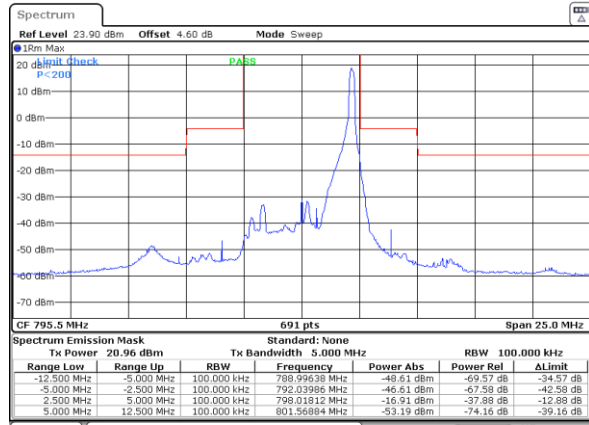
Date: 26.APR.2022 21:13:16

LTE Band 14 / 5MHz / 16QAM

Highest Channel / 1RB

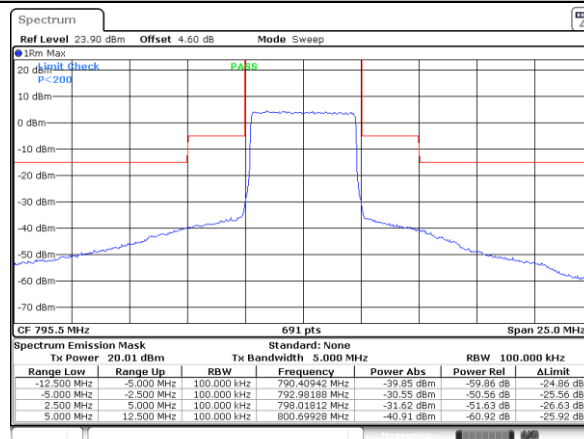


Date: 26.APR.2022 21:15:49



Date: 26.APR.2022 21:17:43

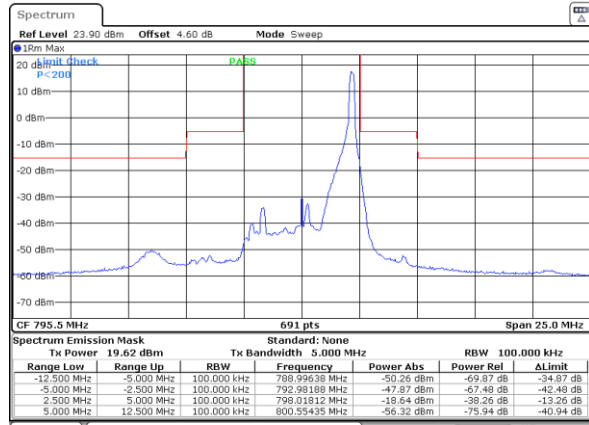
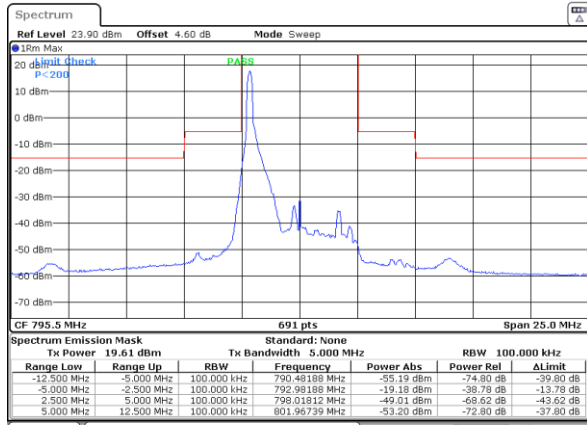
Highest Channel / Full RB



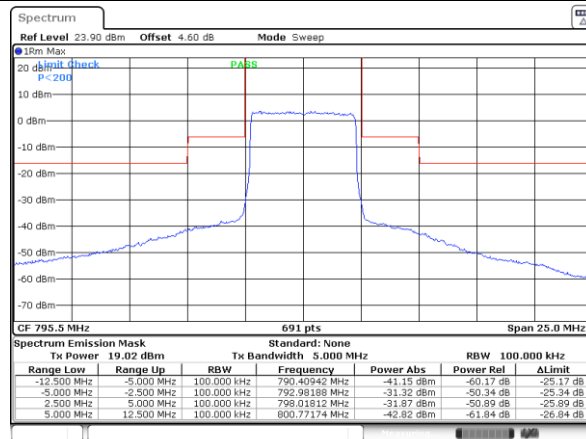
Date: 26.APR.2022 21:13:54

LTE Band 14 / 5MHz / 64QAM

Highest Channel / 1RB

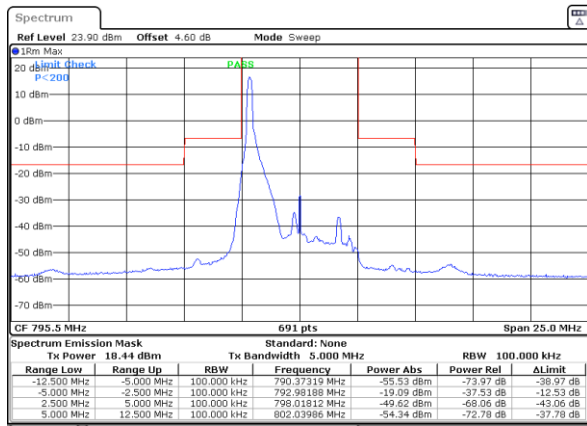


Highest Channel / Full RB

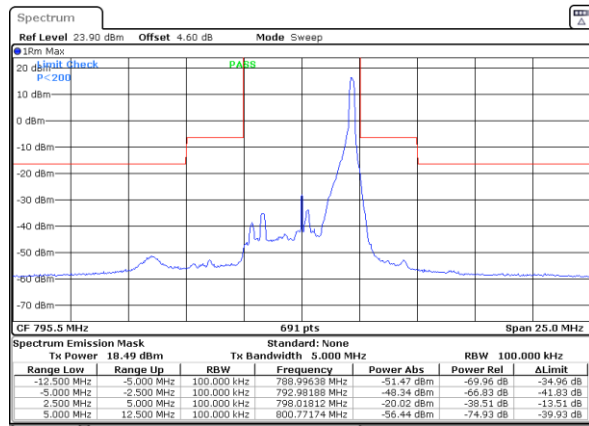


LTE Band 14 / 5MHz / 256QAM

Highest Channel / 1RB

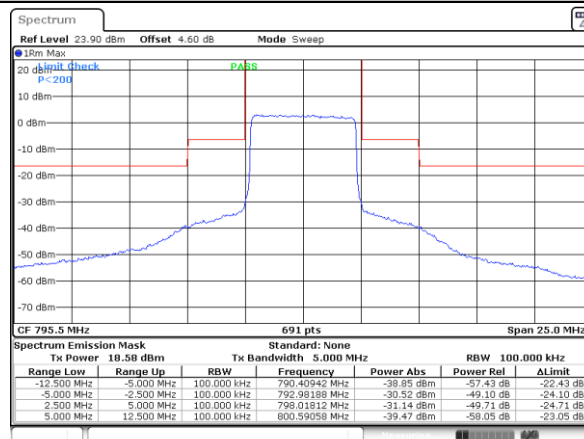


Date: 12 MAY 2022 16:30:38



Date: 12 MAY 2022 16:29:48

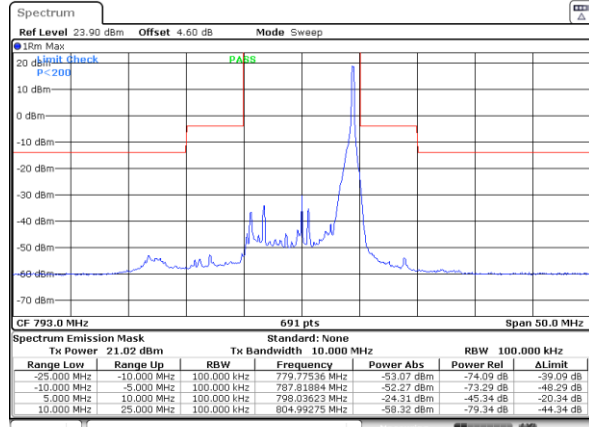
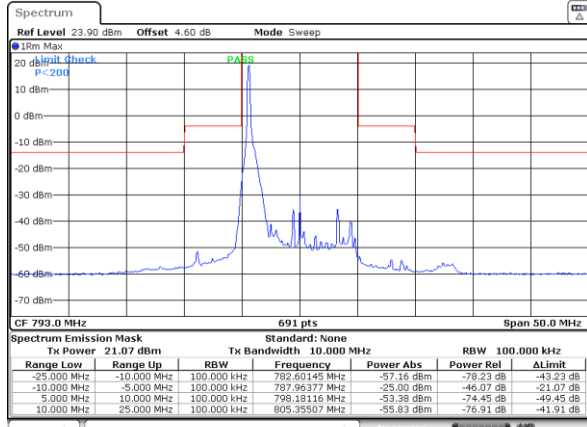
Highest Channel / Full RB



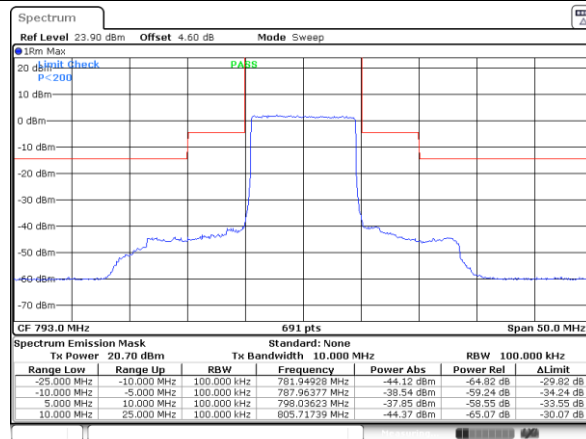
Date: 12 MAY 2022 16:31:34

LTE Band 14 / 10MHz / QPSK

Middle Channel / 1RB

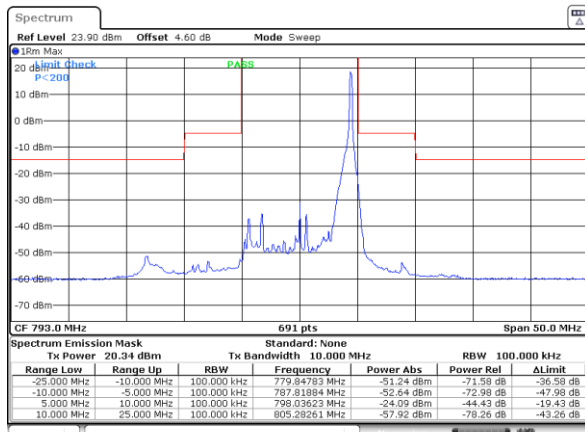
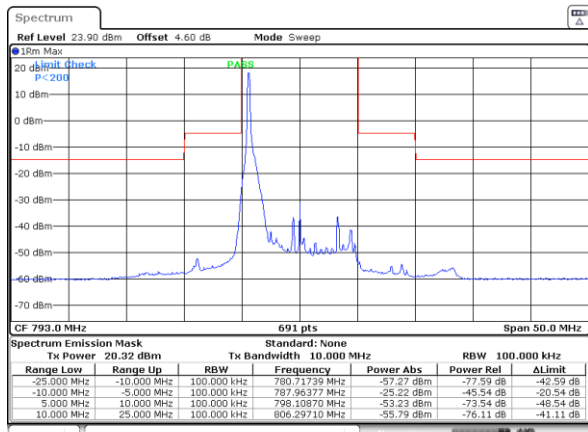


Middle Channel / Full RB

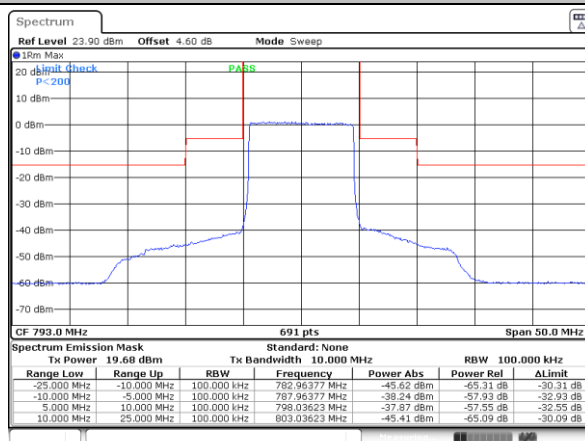


LTE Band 14 / 10MHz / 16QAM

Middle Channel / 1RB

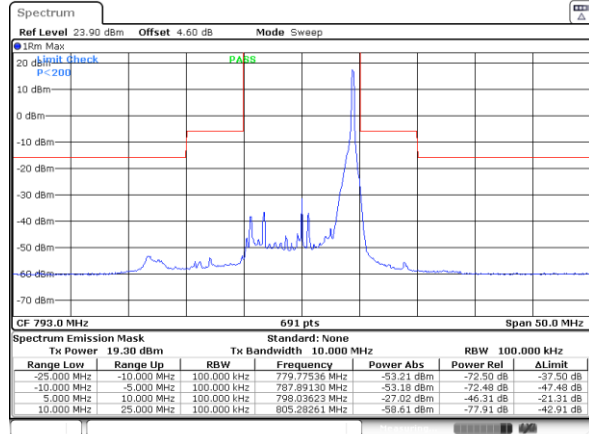
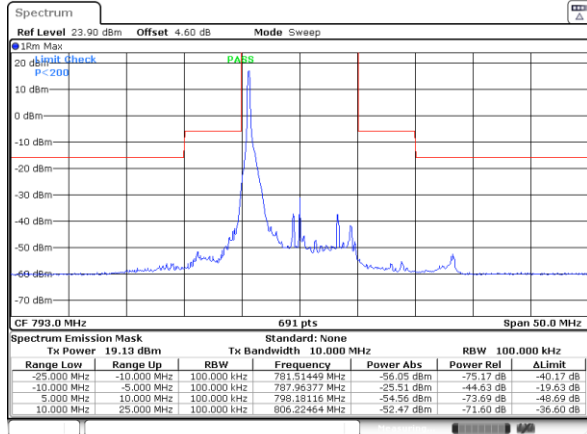


Middle Channel / Full RB

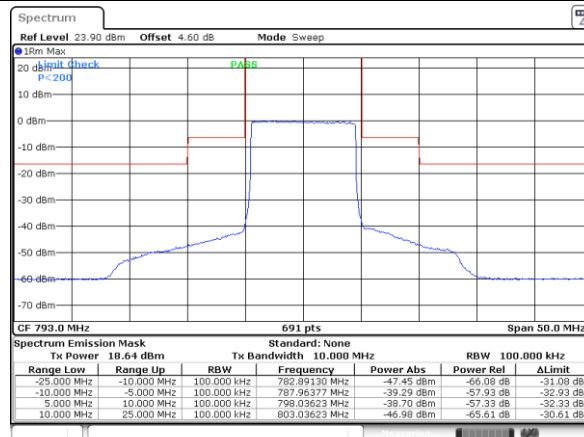


LTE Band 14 / 10MHz / 64QAM

Middle Channel / 1RB

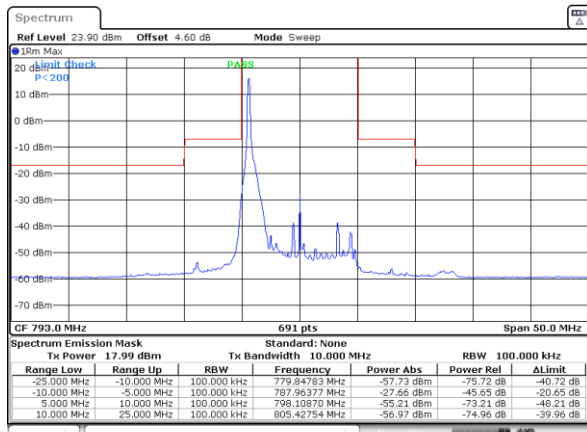


Middle Channel / Full RB

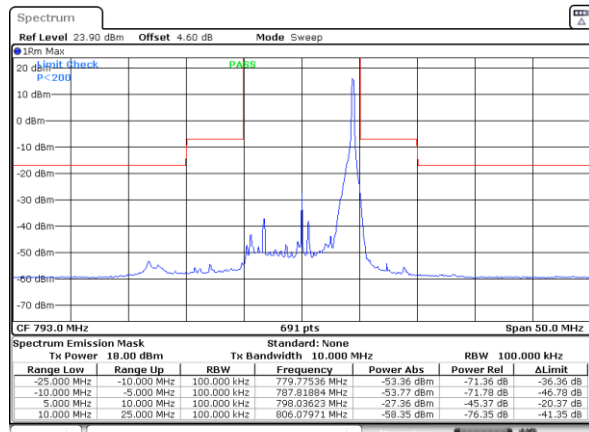


LTE Band 14 / 10MHz / 256QAM

Middle Channel / 1RB

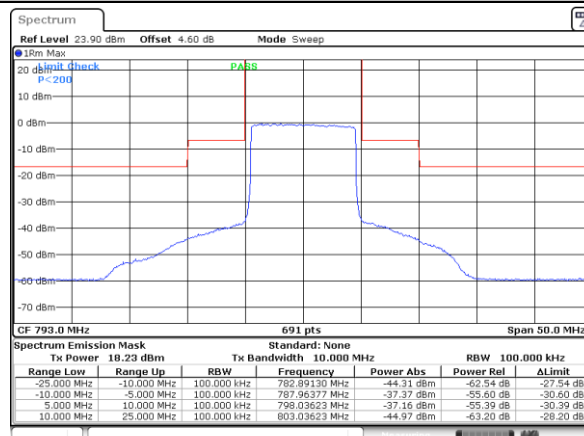


Date: 12 MAY 2022 16:48:21



Date: 12 MAY 2022 16:48:54

Middle Channel / Full RB



Date: 12 MAY 2022 16:52:56

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	0.0011	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0034	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0021	
20	Battery End Point	0.0024	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.48 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

Test Engineer :		Zhaohui Liang			Temperature :		22~25℃		
					Relative Humidity :		48~52%		
LTE Band 14 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	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	1581.5	-65.56	-42.15	-23.41	-76.88	-68.81	4.00	9.40	H
	2372.25	-48.48	-13	-35.48	-66.45	-52.05	4.88	10.60	H
	3163	-58.03	-13	-45.03	-78.20	-62.96	5.52	12.60	H
	1581.5	-64.38	-42.15	-22.23	-76.27	-67.63	4.00	9.40	V
	2372.25	-49.44	-13	-36.44	-67.95	-53.01	4.88	10.60	V
	3163	-56.37	-13	-43.37	-78.47	-61.30	5.52	12.60	V
Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.									
Test Result					PASS				