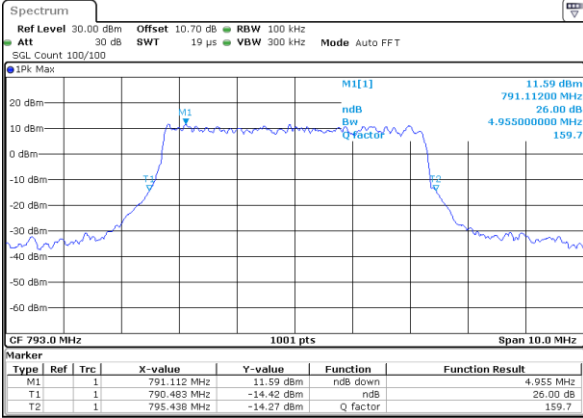




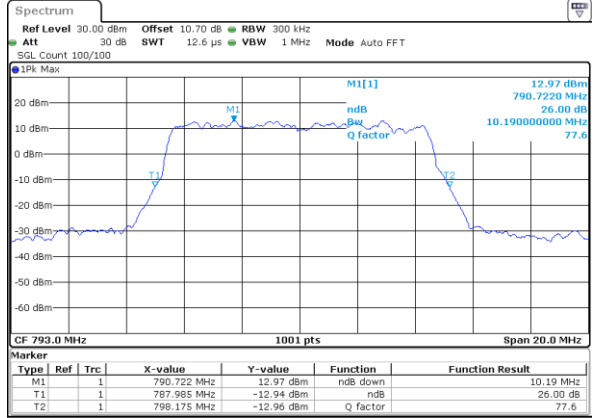
LTE Band 14

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 17\_SEP.2022 15:40:55



Date: 17\_SEP.2022 16:27:43



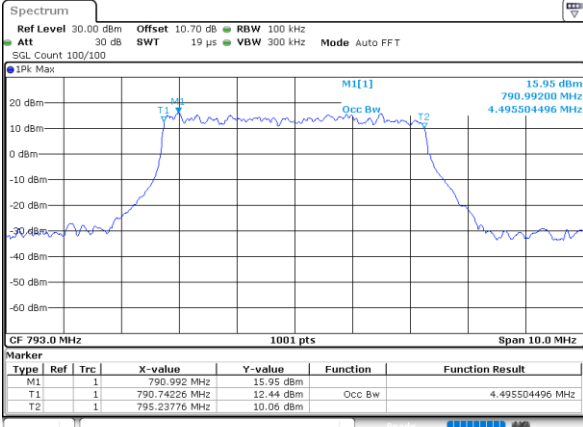
Occupied Bandwidth

Mode	LTE Band 14 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.50	4.53	9.07	9.03	-	-	-	-
Mode	LTE Band 14 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.51	4.52	9.01	9.01	-	-	-	-



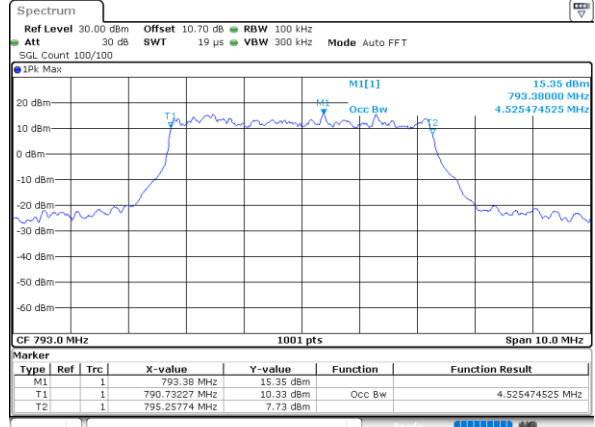
LTE Band 14

Middle Channel / 5MHz / QPSK



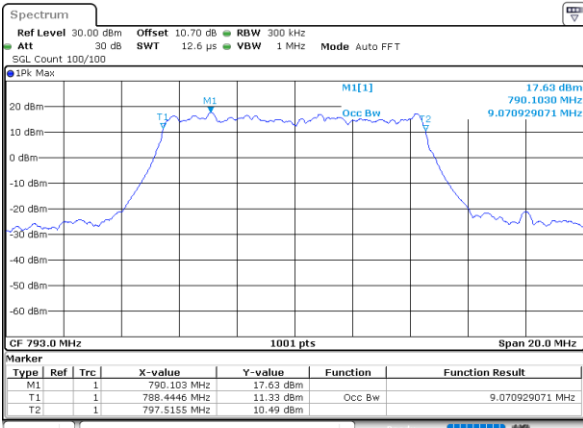
Date: 17\_SEP.2022 15:38:46

Middle Channel / 5MHz / 16QAM



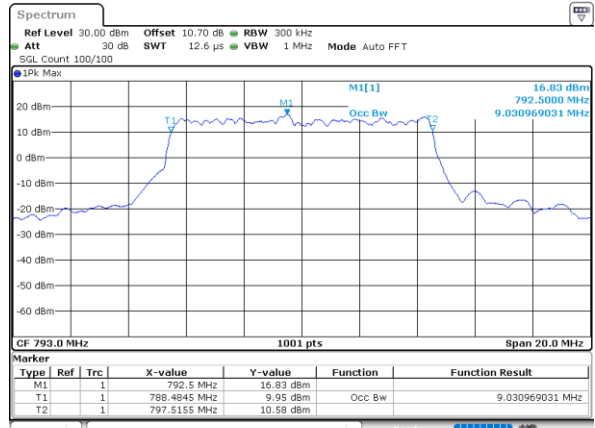
Date: 17\_SEP.2022 15:39:43

Middle Channel / 10MHz / QPSK



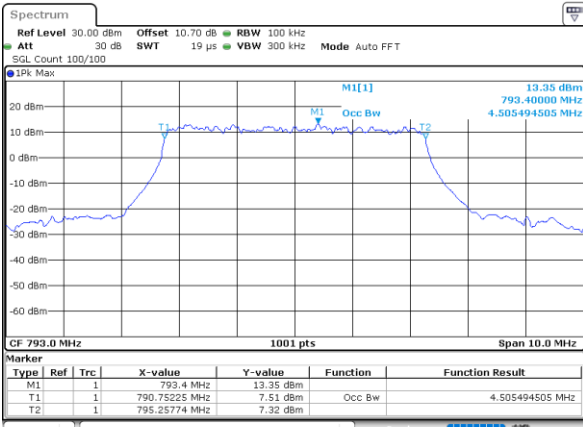
Date: 17\_SEP.2022 16:12:48

Middle Channel / 10MHz / 16QAM



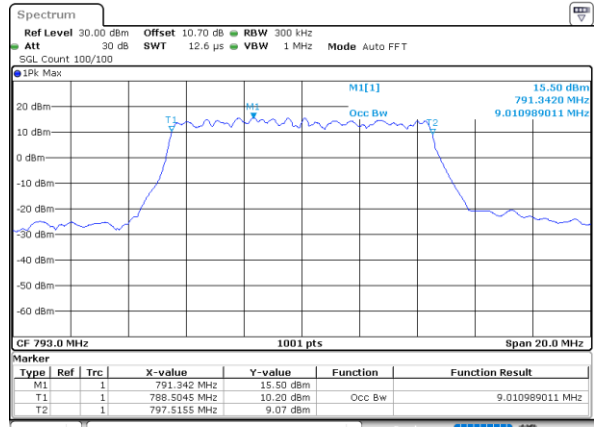
Date: 17\_SEP.2022 16:14:03

Middle Channel / 5MHz / 64QAM



Date: 17\_SEP.2022 15:40:12

Middle Channel / 10MHz / 64QAM



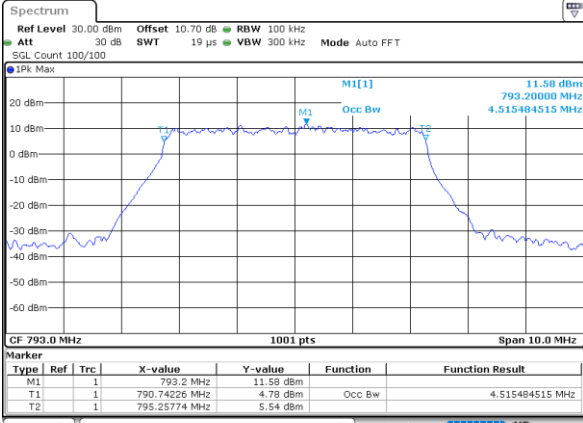
Date: 17\_SEP.2022 16:26:15



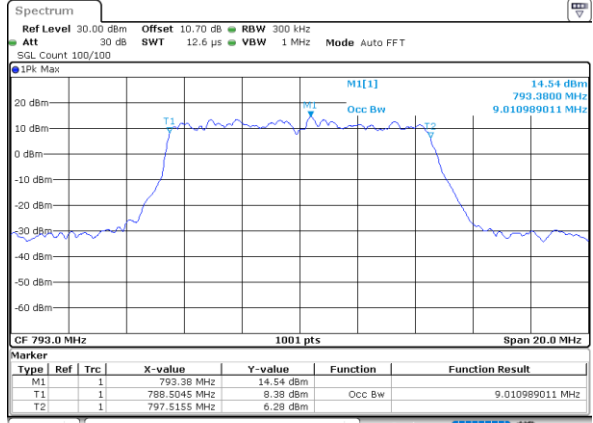
LTE Band 14

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 17\_SEP.2022 15:41:09



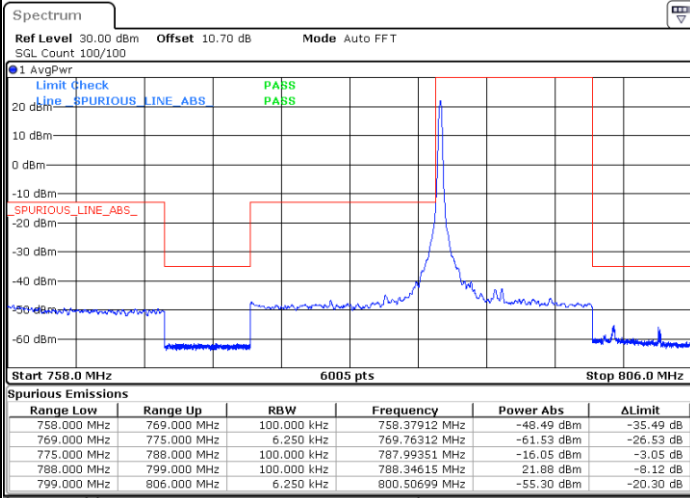
Date: 17\_SEP.2022 16:27:29



# Conducted Band Edge

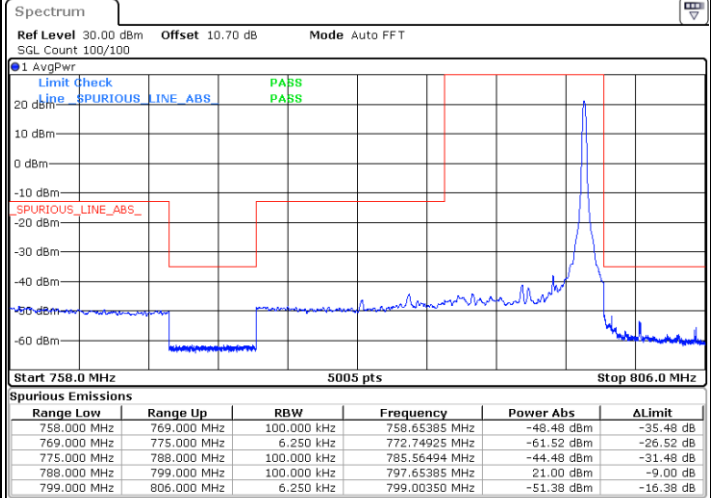
## LTE Band 14 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



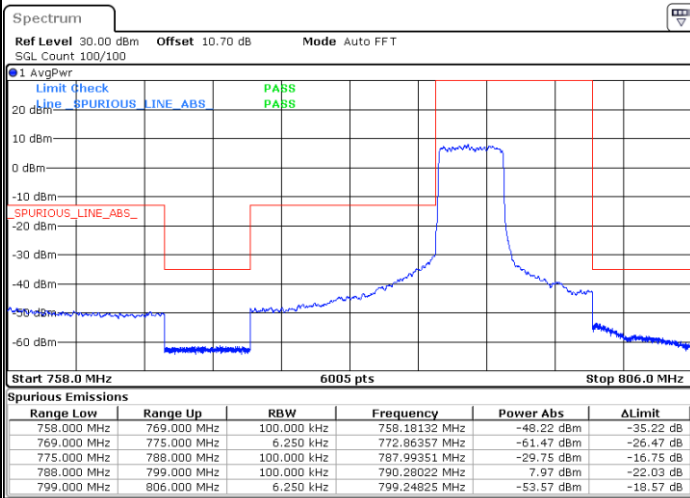
Date: 17.SEP.2022 15:17:44

### Highest Band Edge / 1 RB



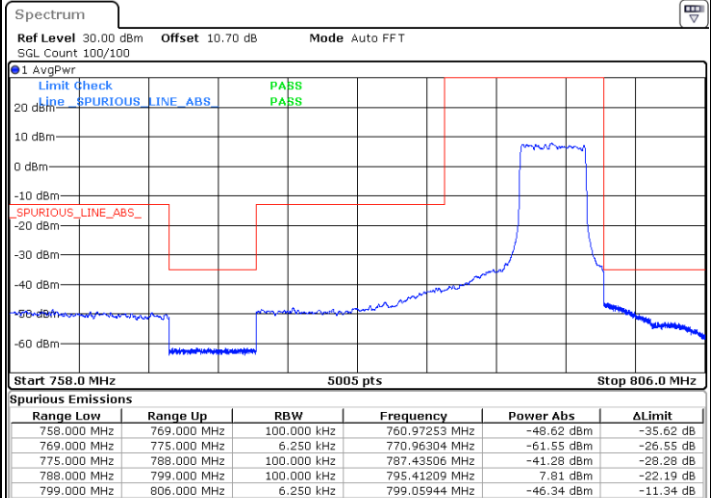
Date: 17.SEP.2022 15:58:06

### Lowest Band Edge / Full RB



Date: 17.SEP.2022 15:16:45

### Highest Band Edge / Full RB

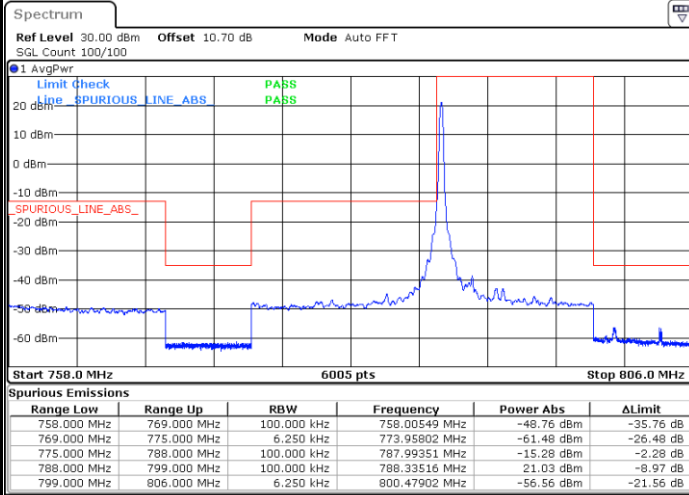


Date: 17.SEP.2022 15:59:05



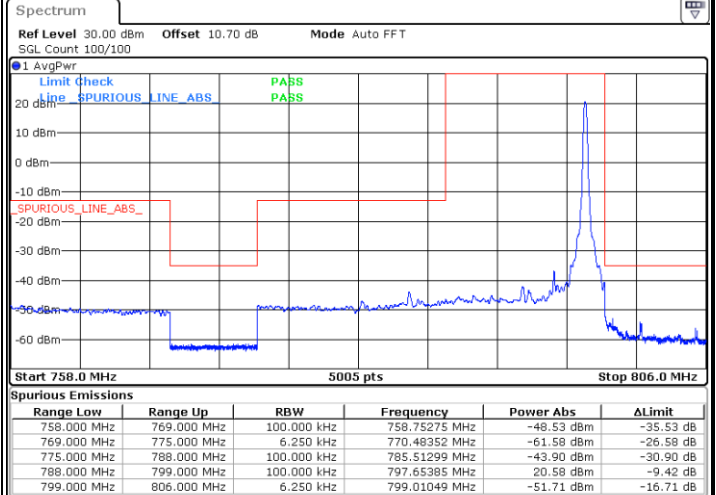
LTE Band 14 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



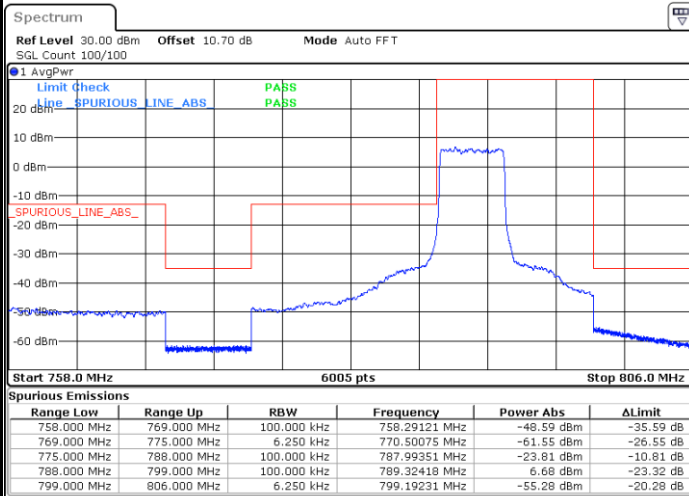
Date: 17.SEP.2022 15:19:56

Highest Band Edge / 1 RB



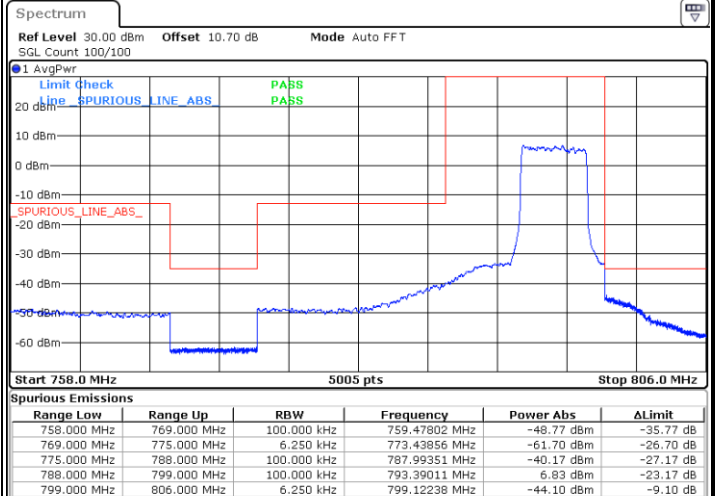
Date: 17.SEP.2022 16:01:03

Lowest Band Edge / Full RB



Date: 17.SEP.2022 15:20:55

Highest Band Edge / Full RB

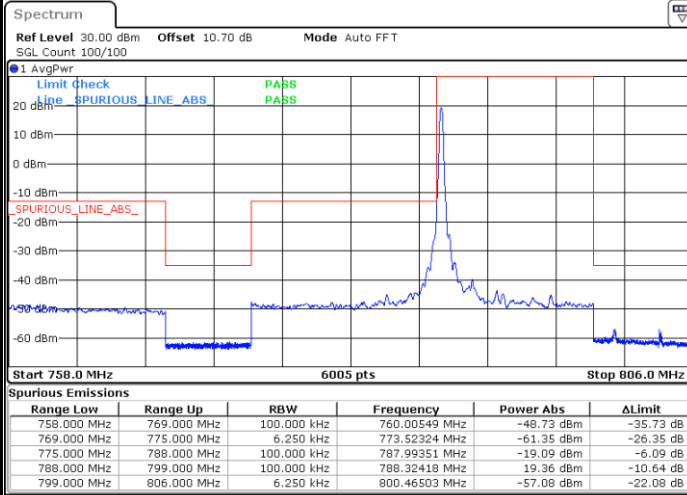


Date: 17.SEP.2022 16:00:04



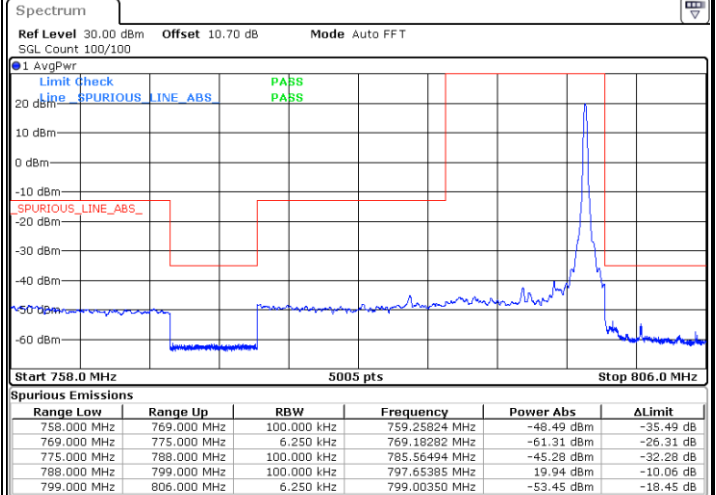
LTE Band 14 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



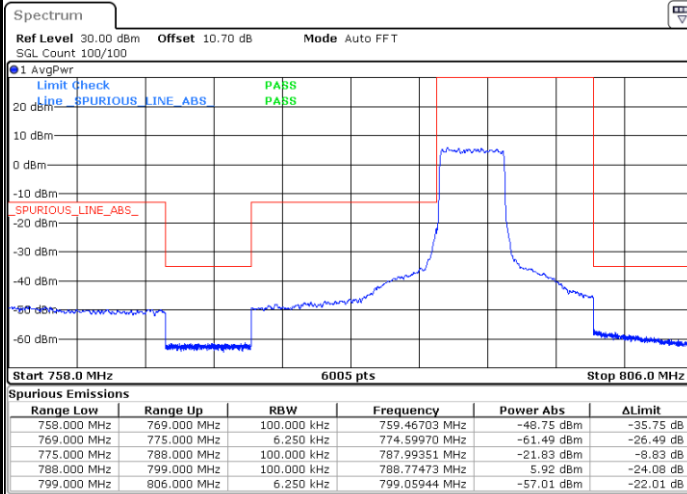
Date: 17.SEP.2022 15:22:53

Highest Band Edge / 1 RB



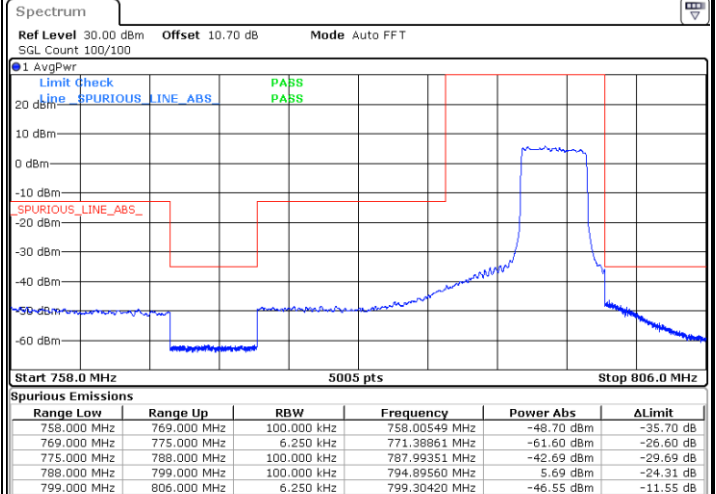
Date: 17.SEP.2022 16:02:02

Lowest Band Edge / Full RB



Date: 17.SEP.2022 15:21:54

Highest Band Edge / Full RB

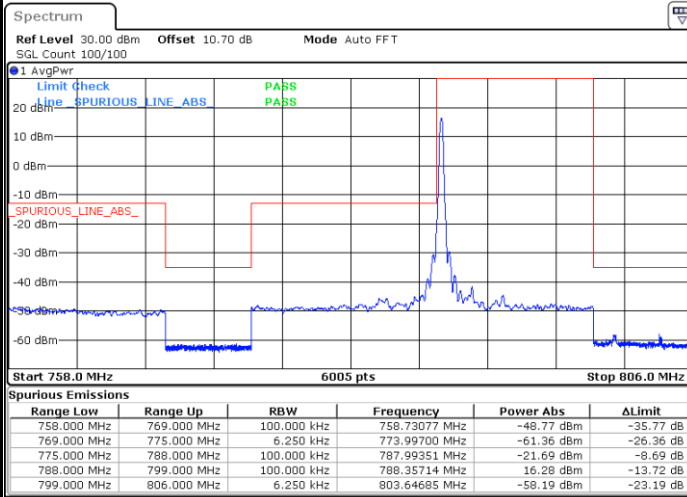


Date: 17.SEP.2022 16:03:02



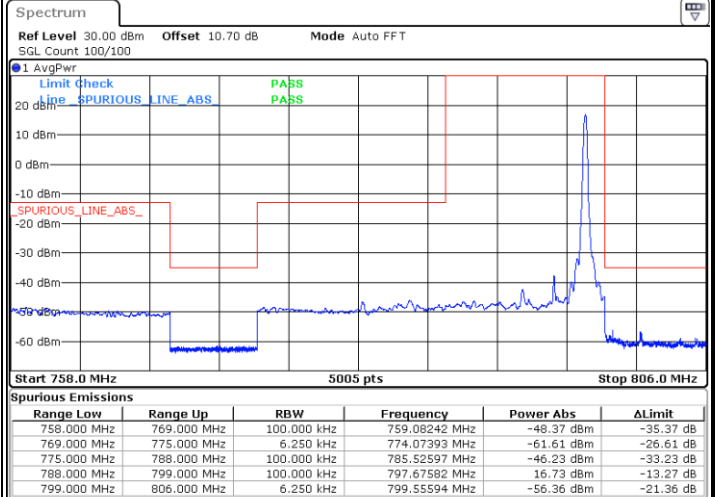
LTE Band 14 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



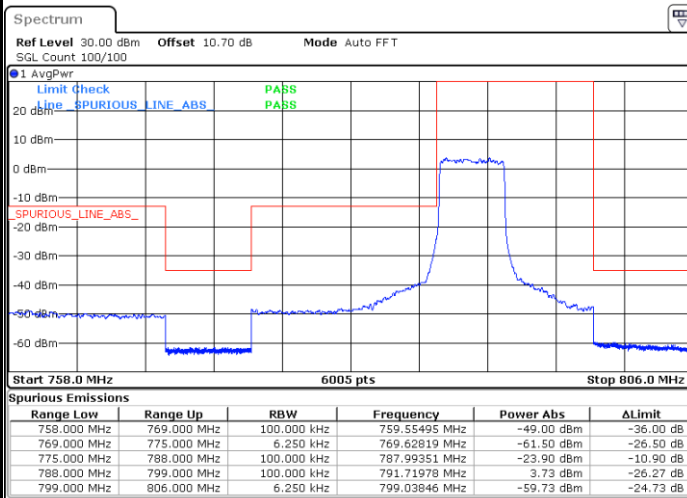
Date: 17.SEP.2022 15:23:52

Highest Band Edge / 1 RB



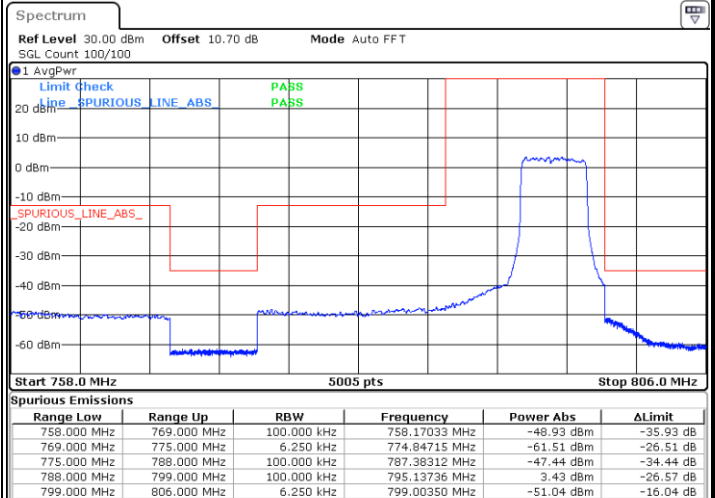
Date: 17.SEP.2022 16:05:00

Lowest Band Edge / Full RB



Date: 17.SEP.2022 15:24:51

Highest Band Edge / Full RB



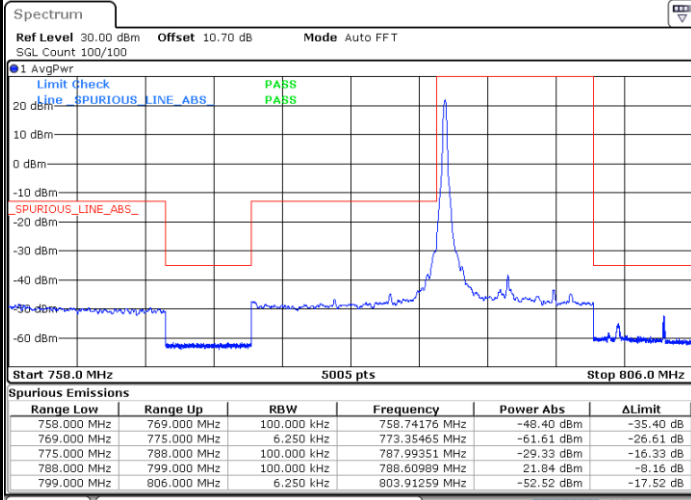
Date: 17.SEP.2022 16:04:01





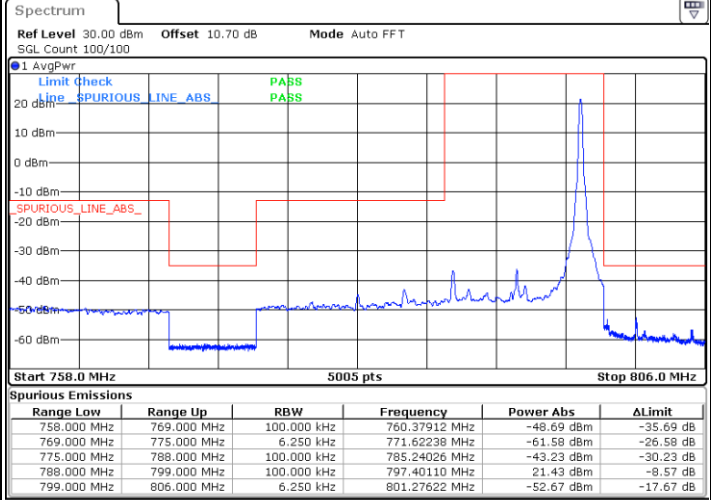
LTE Band 14 / 10MHz / QPSK

Lowest Band Edge / 1 RB



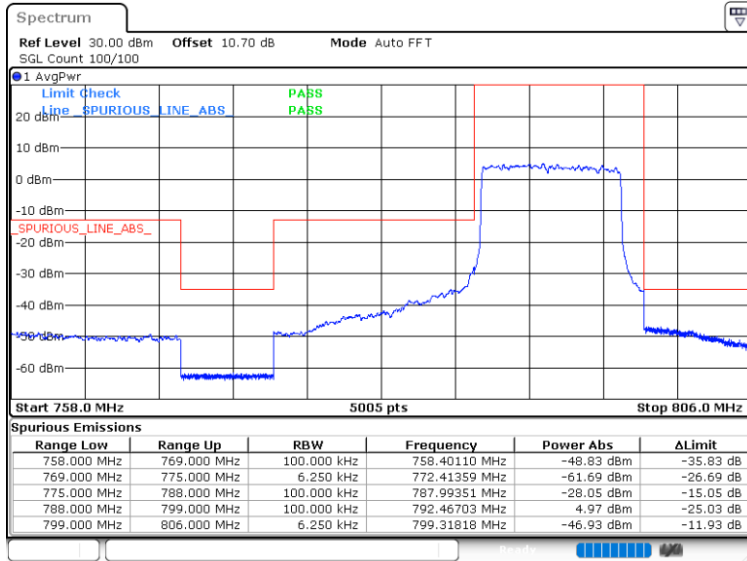
Date: 17.SEP.2022 16:06:04

Highest Band Edge / 1 RB



Date: 17.SEP.2022 16:07:02

Band Edge / Full RB

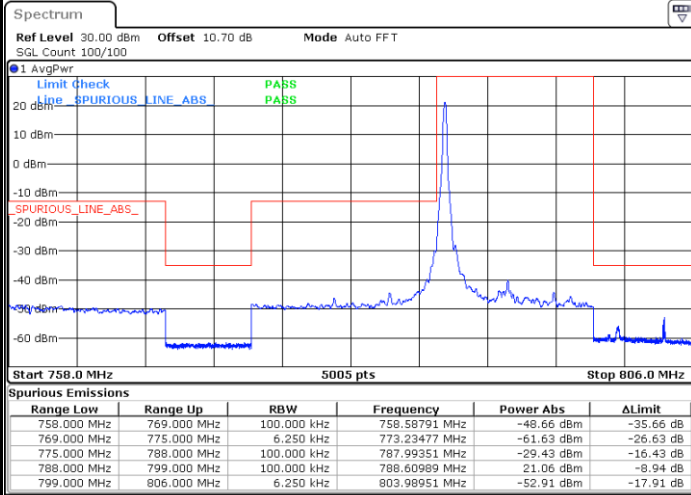


Date: 17.SEP.2022 16:08:01



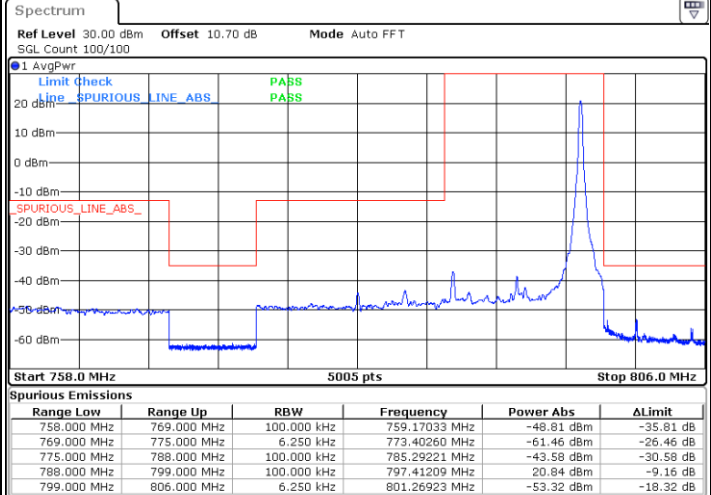
LTE Band 14 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



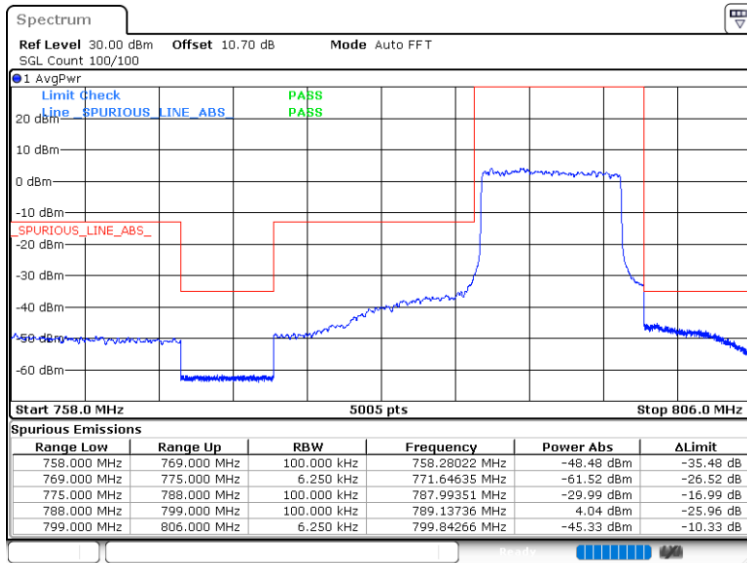
Date: 17.SEP.2022 16:16:56

Highest Band Edge / 1 RB



Date: 17.SEP.2022 16:15:58

Band Edge / Full RB

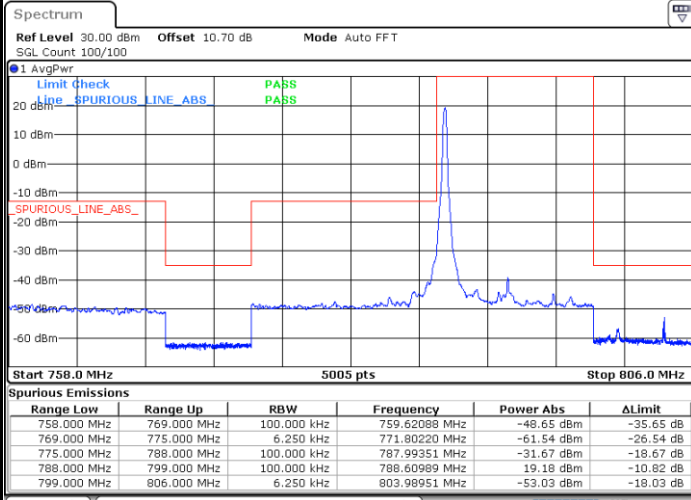


Date: 17.SEP.2022 16:15:00



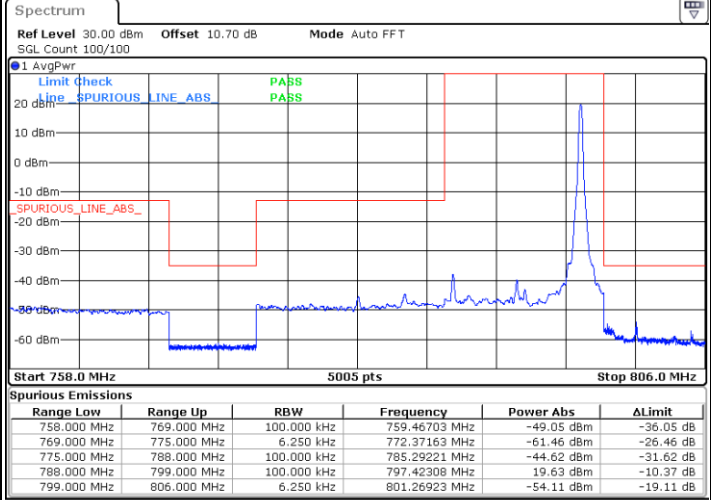
LTE Band 14 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



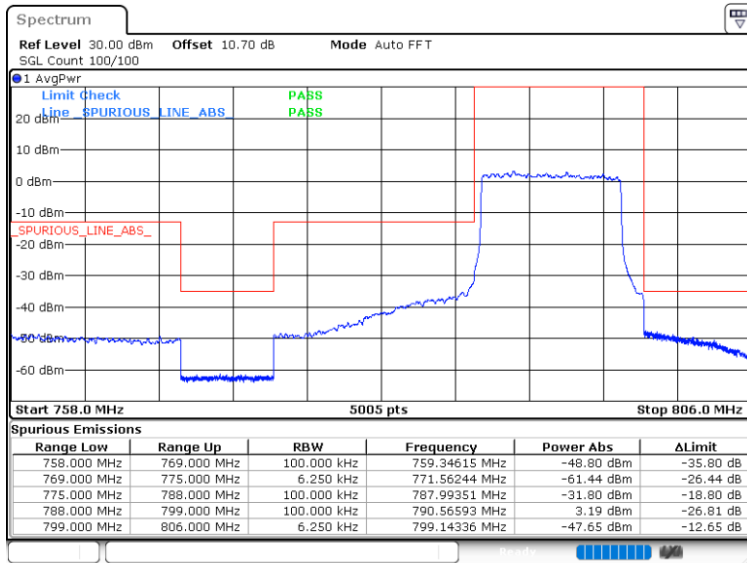
Date: 17.SEP.2022 16:24:04

Highest Band Edge / 1 RB



Date: 17.SEP.2022 16:25:02

Band Edge / Full RB

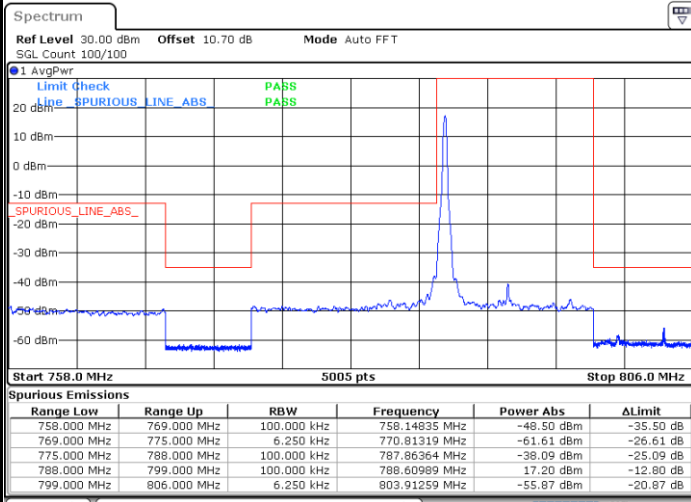


Date: 17.SEP.2022 16:26:00



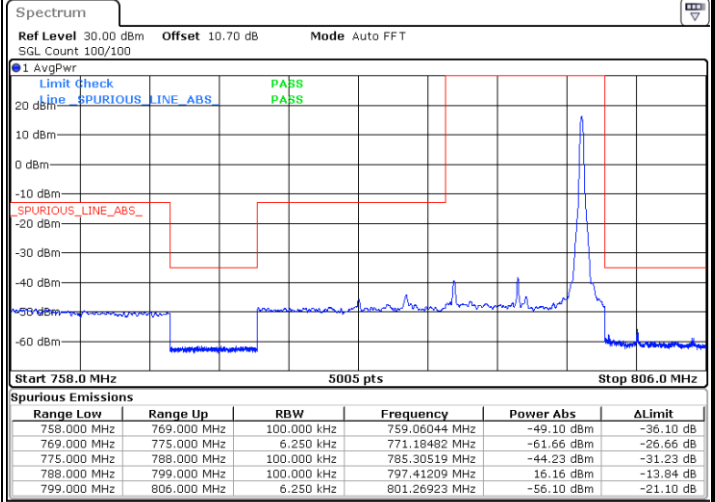
LTE Band 14 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



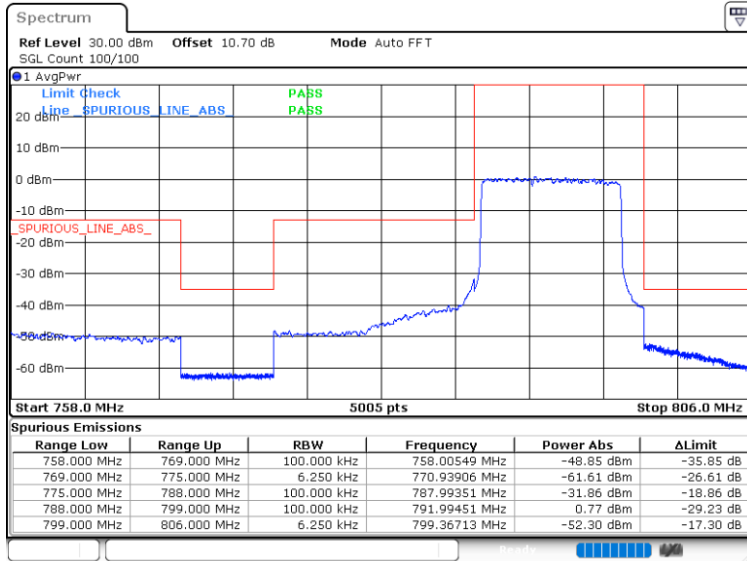
Date: 17.SEP.2022 16:30:23

Highest Band Edge / 1 RB



Date: 17.SEP.2022 16:29:25

Band Edge / Full RB



Date: 17.SEP.2022 16:28:26

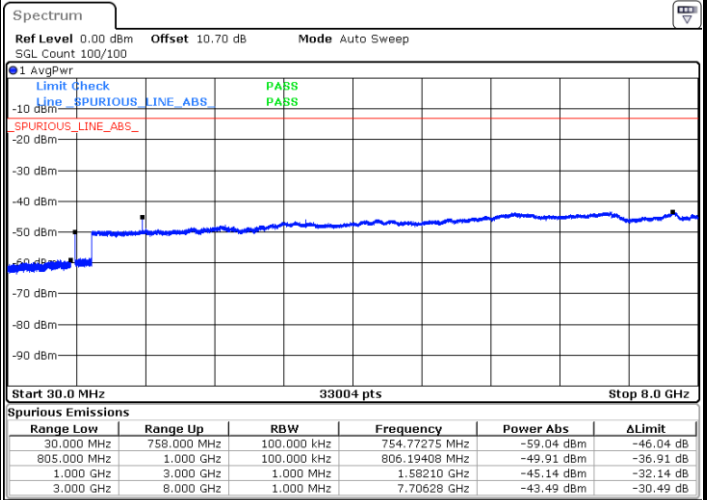
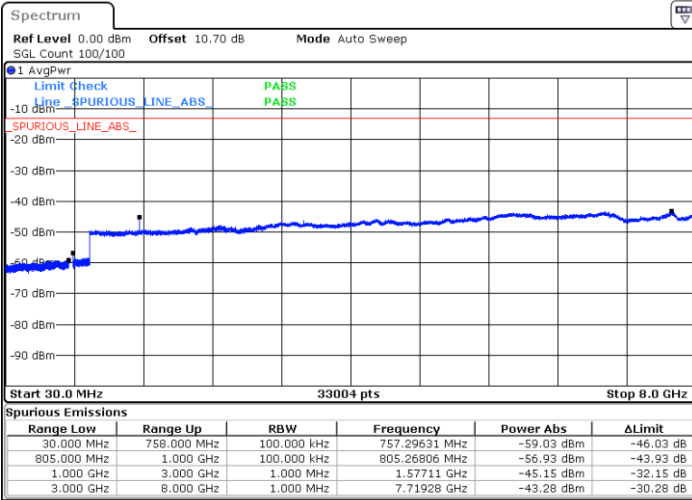


# Conducted Spurious Emission

## LTE Band 14 / 5MHz

### Lowest Channel / QPSK

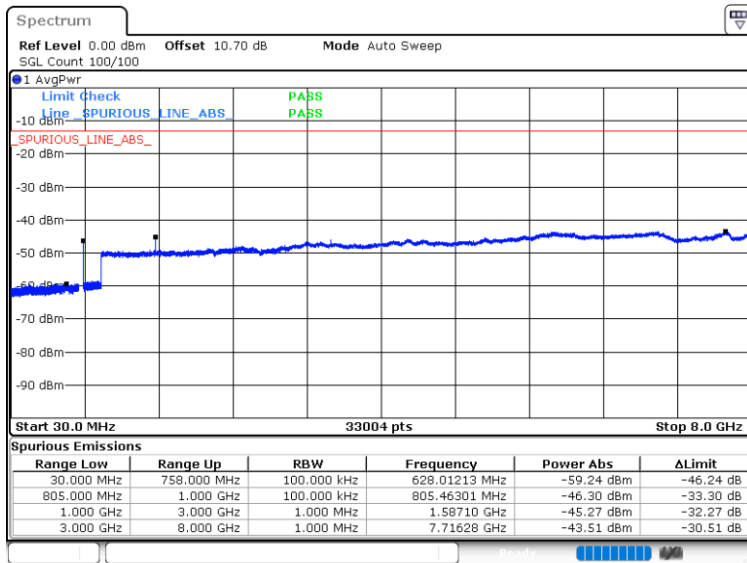
### Middle Channel / QPSK



Date: 17.SEP.2022 15:18:58

Date: 17.SEP.2022 15:42:36

### Highest Channel / QPSK

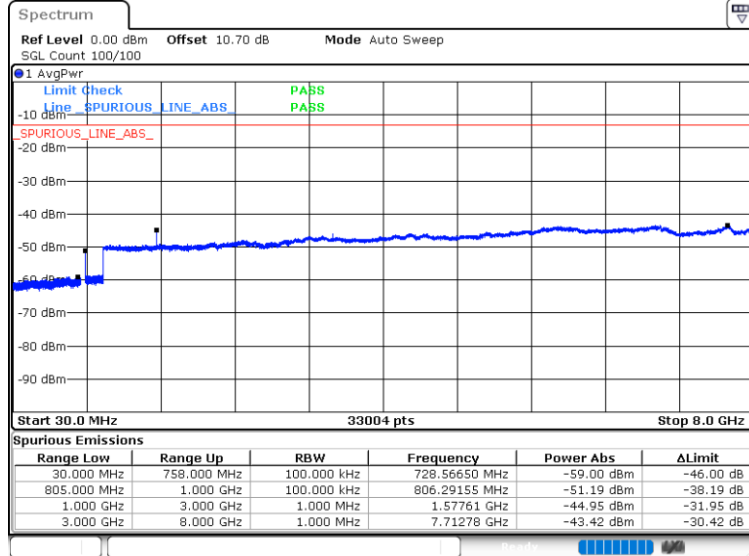


Date: 17.SEP.2022 15:57:07



LTE Band 14 / 10MHz

Middle Channel / QPSK



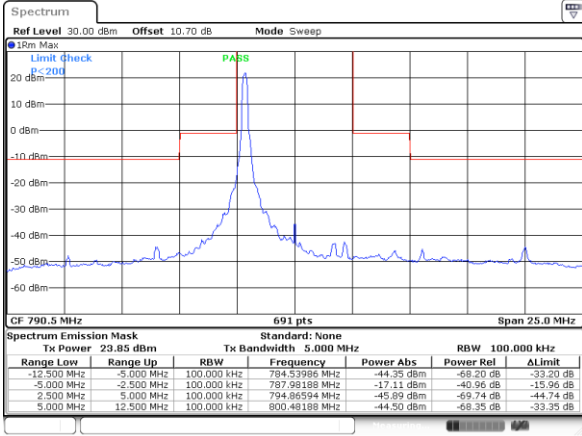
Date: 17.SEP.2022 16:09:29



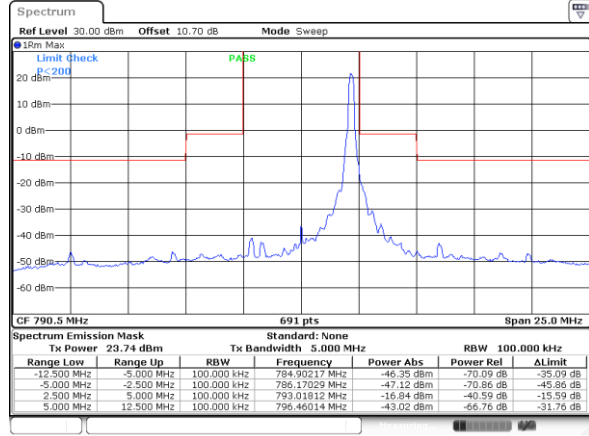
**Mask**

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

**Lowest Channel / 1RB**

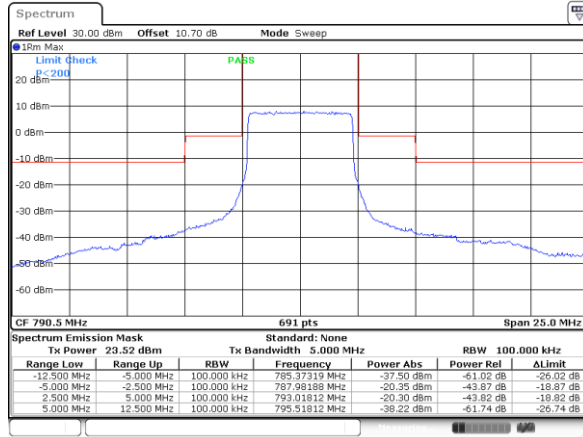


Date: 17\_SEP.2022 15:26:00



Date: 17\_SEP.2022 15:27:07

**Lowest Channel / Full RB**

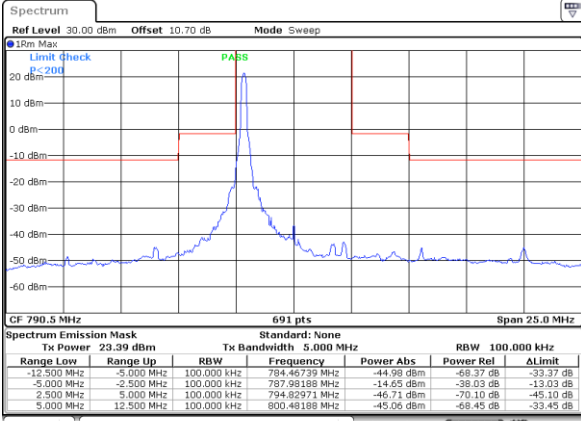


Date: 17\_SEP.2022 15:28:14

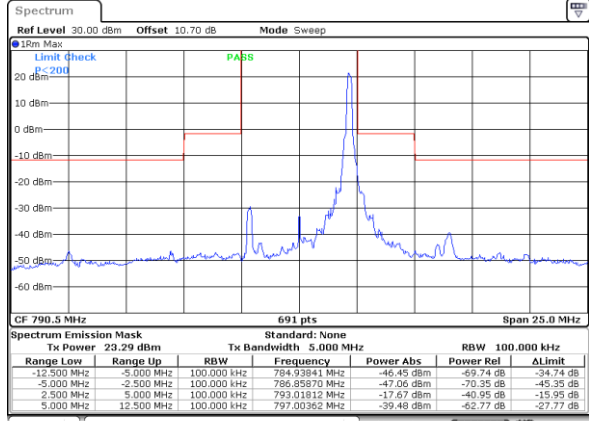


LTE Band 14 / 5MHz / 16QAM

Lowest Channel / 1RB

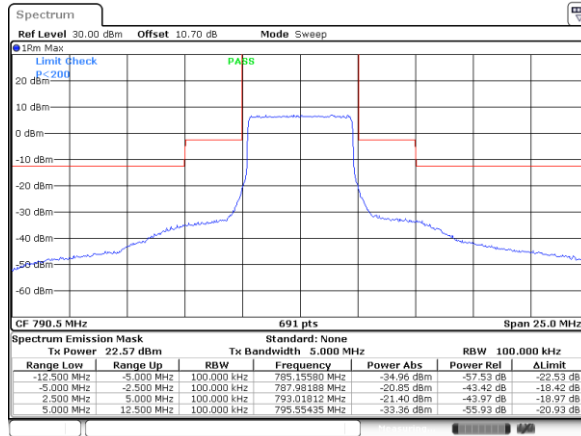


Date: 17\_SEP.2022 15:31:35



Date: 25.OCT.2022 02:12:59

Lowest Channel / Full RB



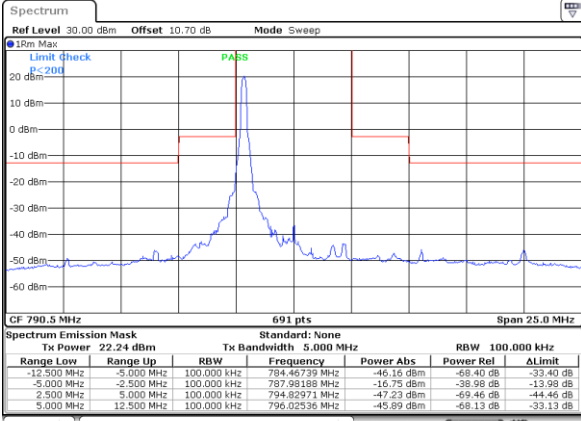
Date: 17\_SEP.2022 15:29:21



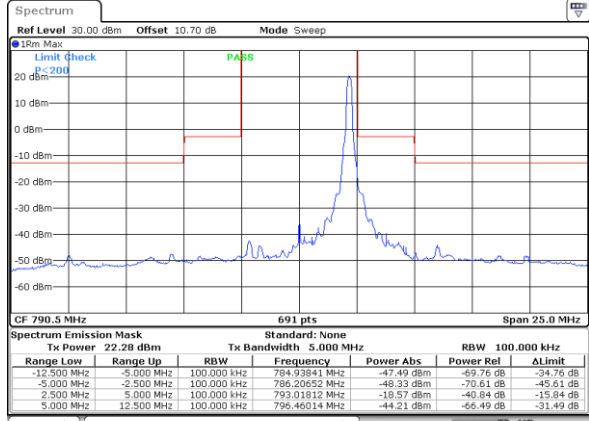


LTE Band 14 / 5MHz / 64QAM

Lowest Channel / 1RB

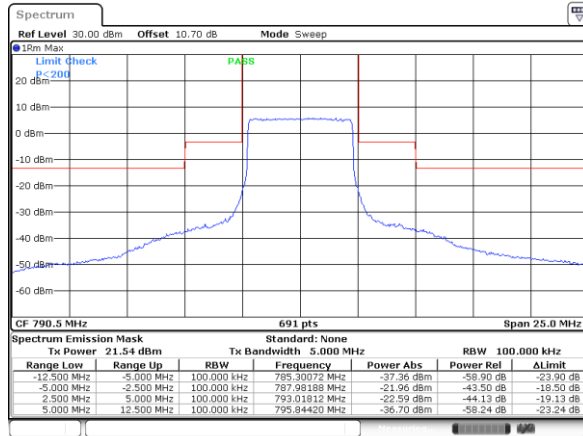


Date: 17\_SEP.2022 15:32:42



Date: 17\_SEP.2022 15:33:49

Lowest Channel / Full RB

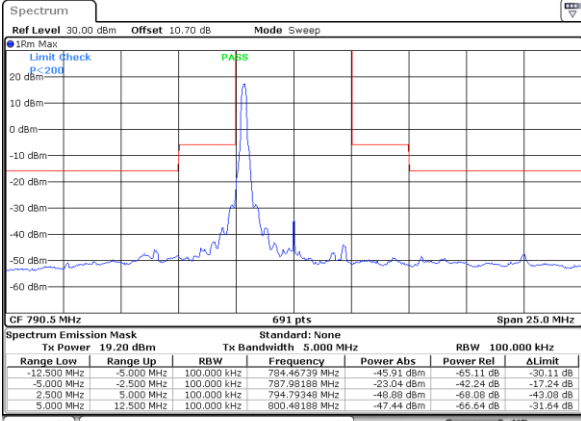


Date: 17\_SEP.2022 15:34:57

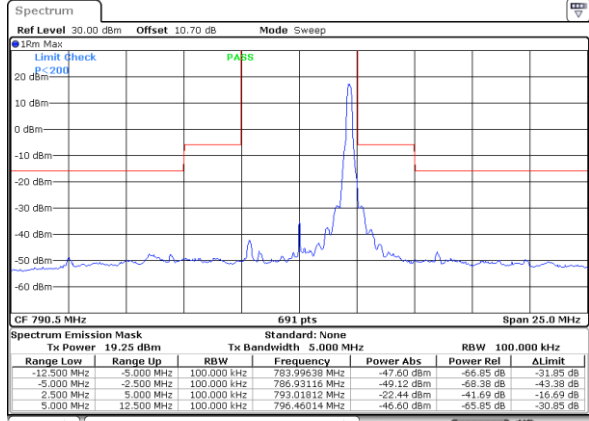


LTE Band 14 / 5MHz / 256QAM

Lowest Channel / 1RB

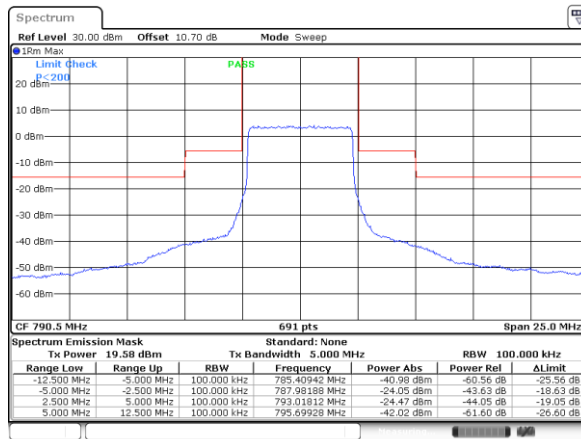


Date: 17\_SEP.2022 15:38:18



Date: 17\_SEP.2022 15:37:11

Lowest Channel / Full RB

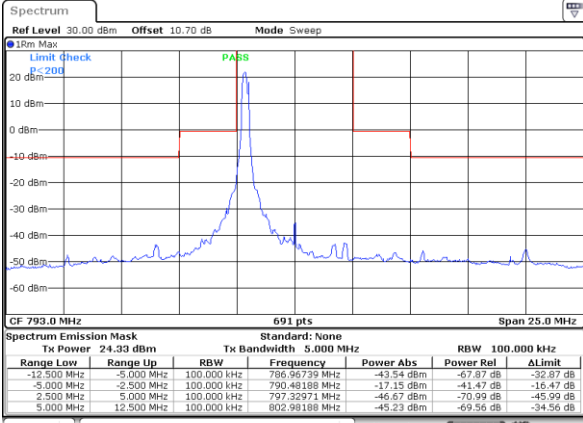


Date: 17\_SEP.2022 15:36:04

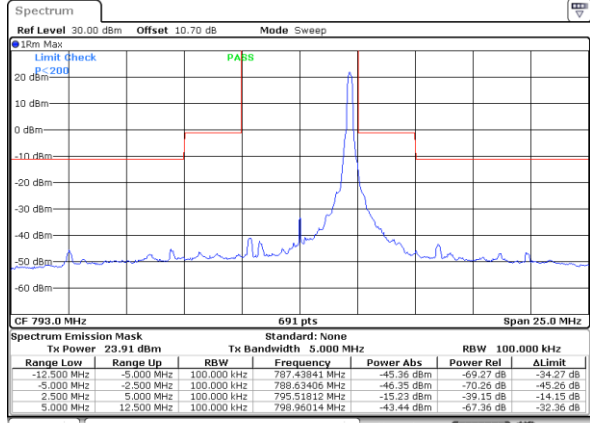


LTE Band 14 / 5MHz / QPSK

Middle Channel / 1RB

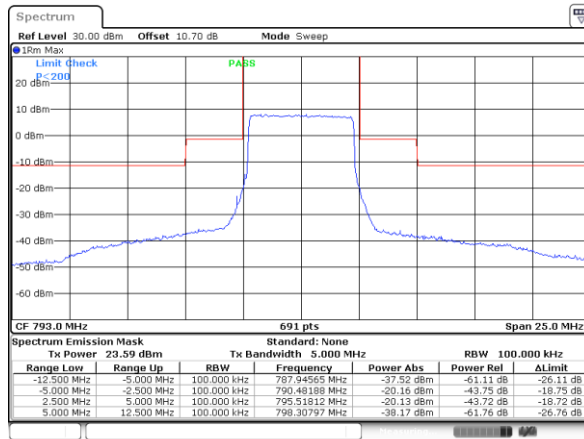


Date: 17\_SEP.2022 15:43:29



Date: 17\_SEP.2022 16:43:18

Middle Channel / Full RB

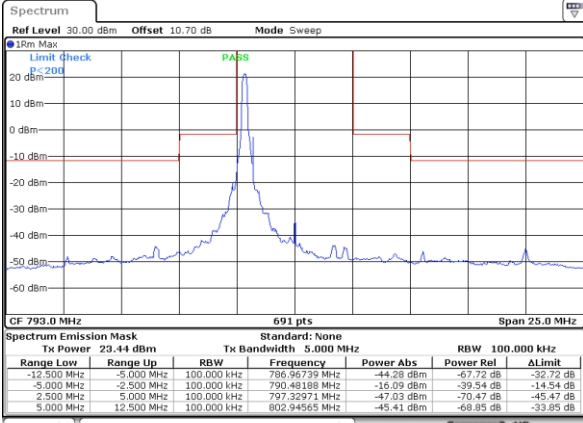


Date: 17\_SEP.2022 15:45:42

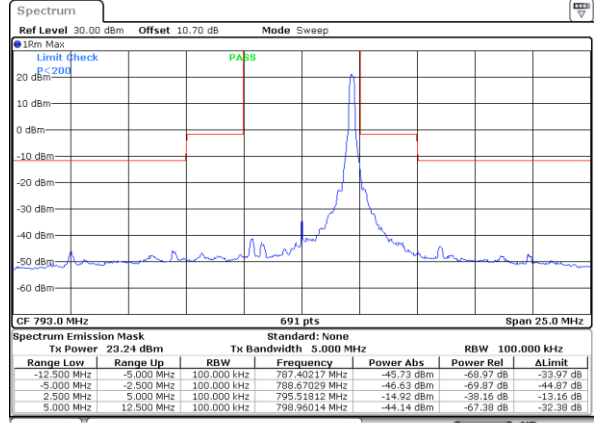


LTE Band 14 / 5MHz / 16QAM

Middle Channel / 1RB

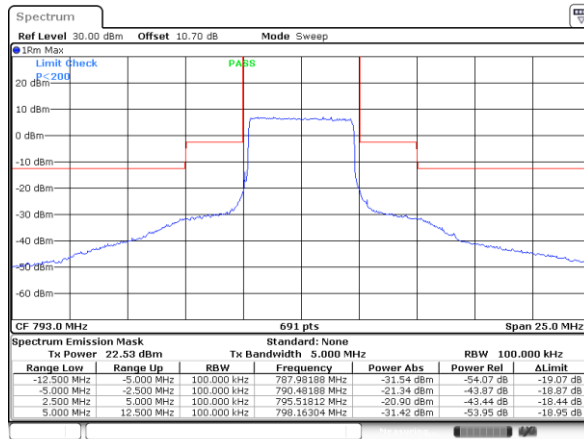


Date: 17\_SEP.2022 16:37:49



Date: 17\_SEP.2022 16:42:09

Middle Channel / Full RB

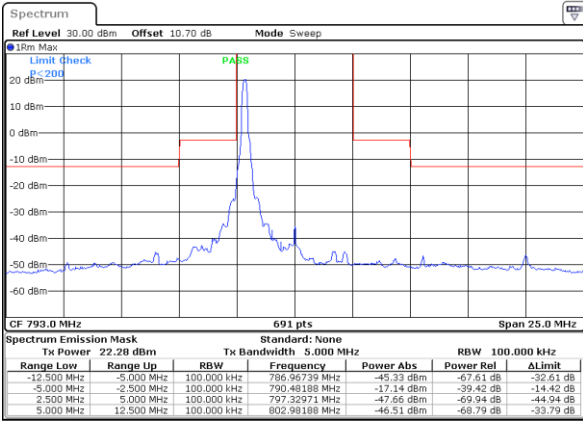


Date: 17\_SEP.2022 15:46:48

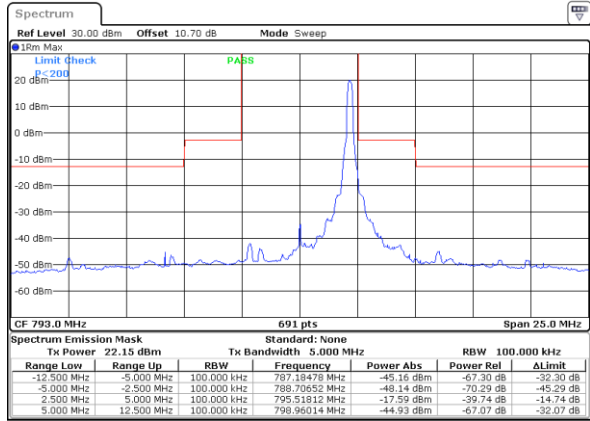


LTE Band 14 / 5MHz / 64QAM

Middle Channel / 1RB

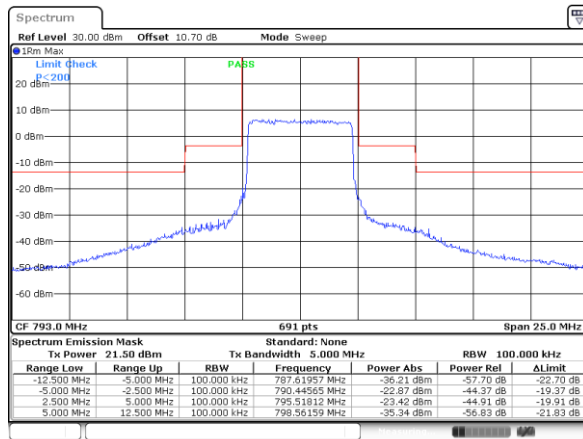


Date: 17\_SEP.2022 16:38:44



Date: 17\_SEP.2022 16:41:23

Middle Channel / Full RB

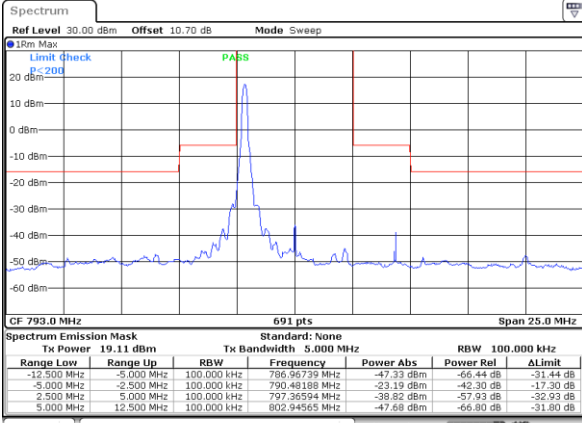


Date: 25.OCT.2022 02:18:03

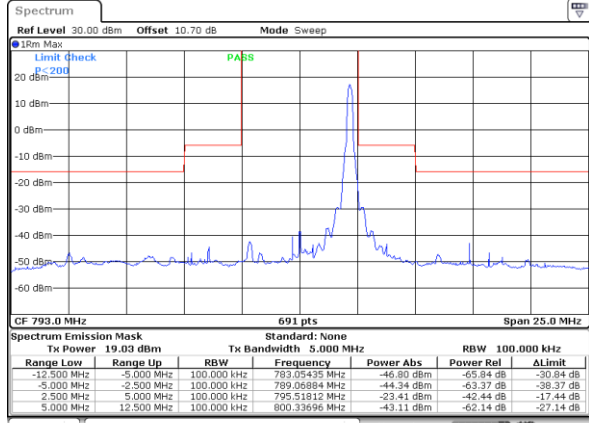


LTE Band 14 / 5MHz / 256QAM

Middle Channel / 1RB

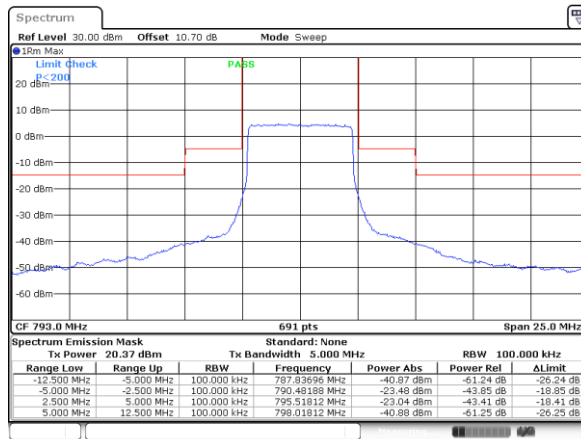


Date: 17\_SEP.2022 16:39:31



Date: 17\_SEP.2022 16:40:32

Middle Channel / Full RB

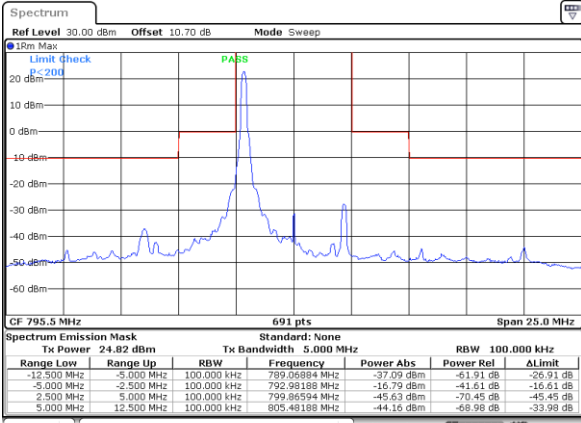


Date: 25.OCT.2022 02:19:20

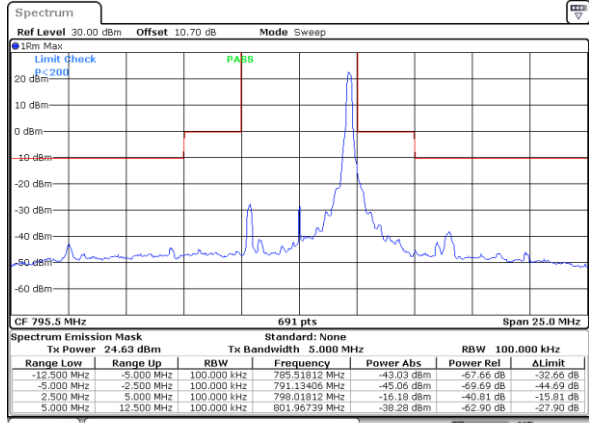


LTE Band 14 / 5MHz / QPSK

Highest Channel / 1RB

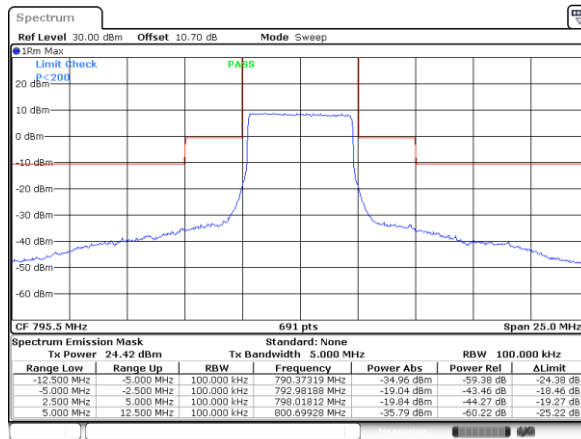


Date: 25.OCT.2022 02:25:38



Date: 25.OCT.2022 02:26:29

Highest Channel / Full RB

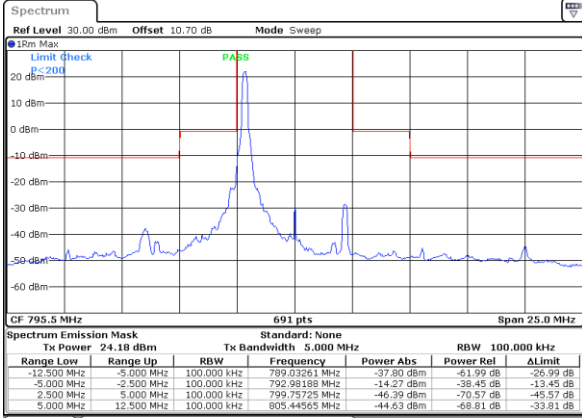


Date: 25.OCT.2022 02:21:21

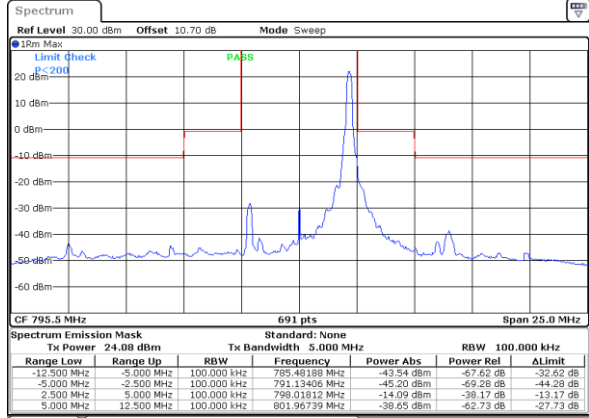


LTE Band 14 / 5MHz / 16QAM

Highest Channel / 1RB

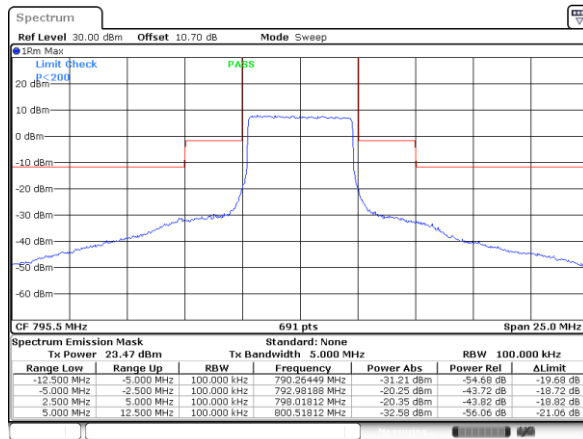


Date: 25.OCT.2022 02:24:46



Date: 25.OCT.2022 02:27:120

Highest Channel / Full RB



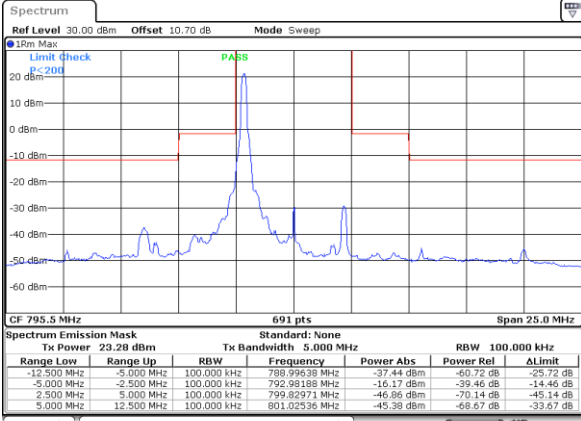
Date: 25.OCT.2022 02:22:113



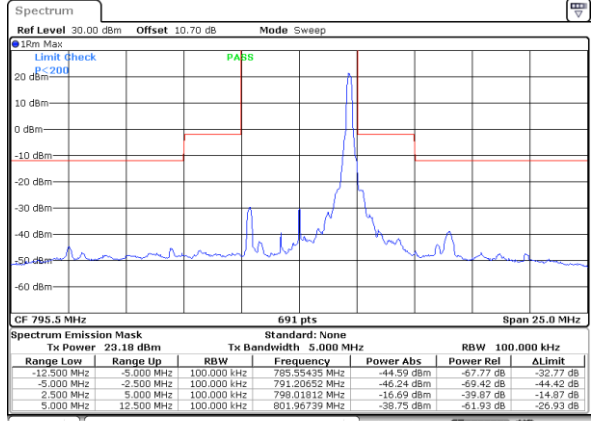


LTE Band 14 / 5MHz / 64QAM

Highest Channel / 1RB

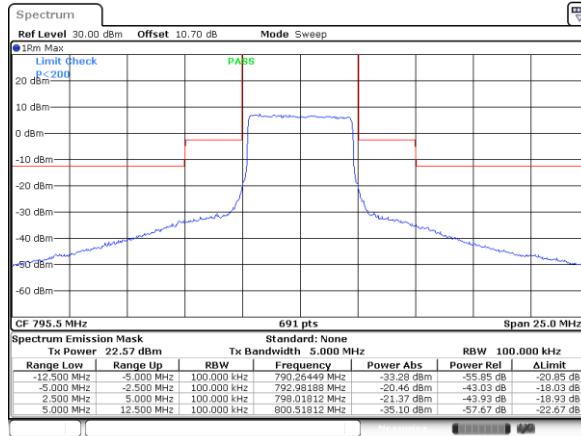


Date: 25.OCT.2022 02:23:55



Date: 25.OCT.2022 02:28:11

Highest Channel / Full RB

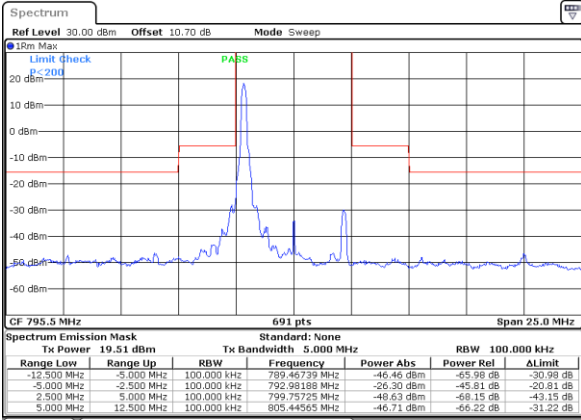


Date: 25.OCT.2022 02:23:04

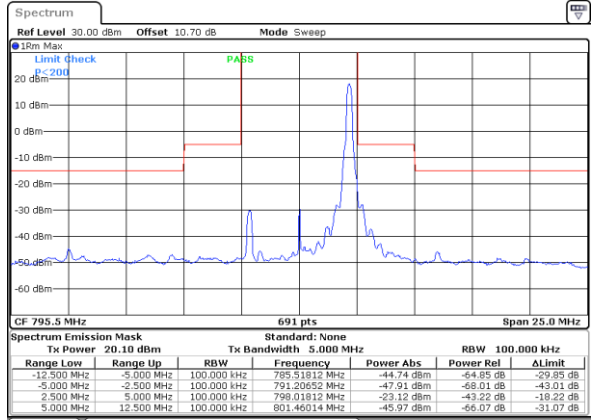


LTE Band 14 / 5MHz / 256QAM

Highest Channel / 1RB

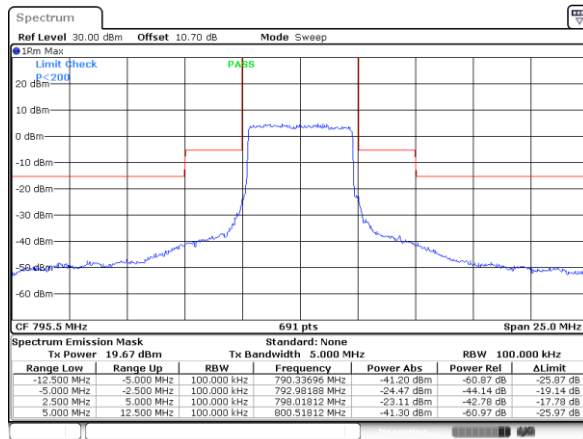


Date: 25.OCT.2022 02:42:48



Date: 25.OCT.2022 02:13:15

Highest Channel / Full RB

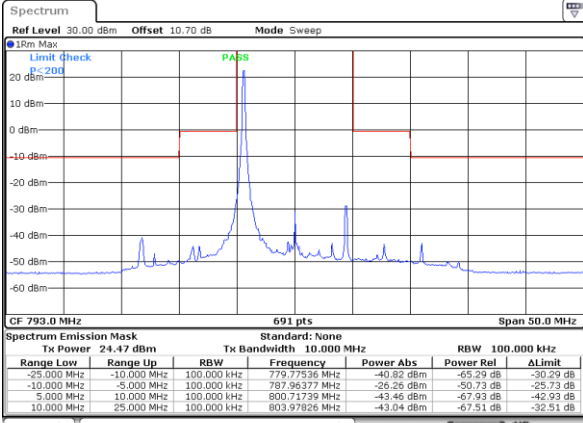


Date: 25.OCT.2022 02:45:23

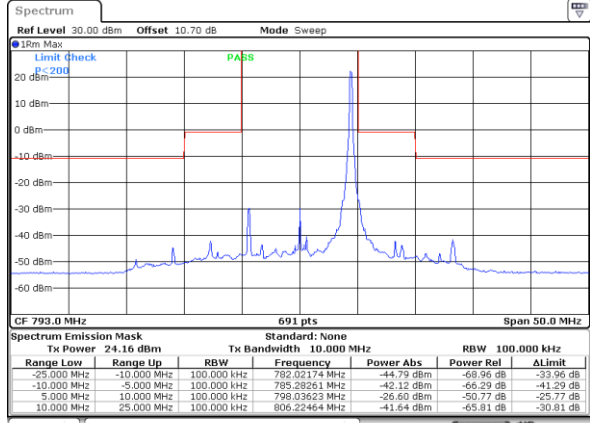


LTE Band 14 / 10MHz / QPSK

Middle Channel / 1RB

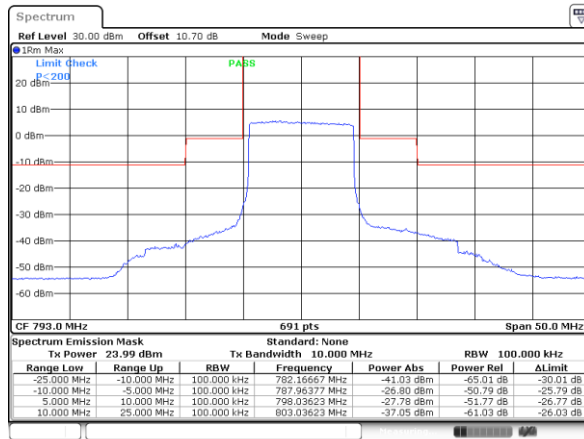


Date: 24.OCT.2022 21:37:07



Date: 24.OCT.2022 21:37:58

Middle Channel / Full RB

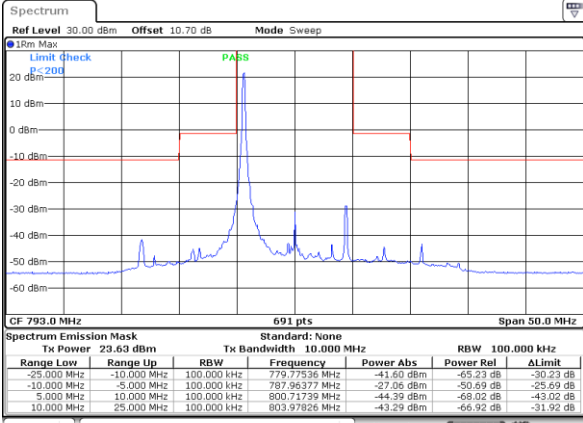


Date: 24.OCT.2022 21:38:48

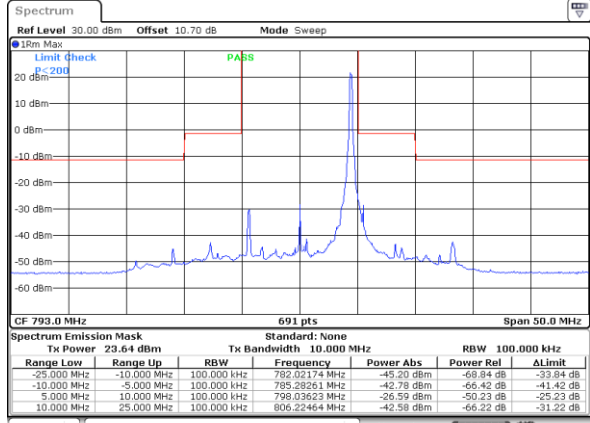


LTE Band 14 / 10MHz / 16QAM

Middle Channel / 1RB

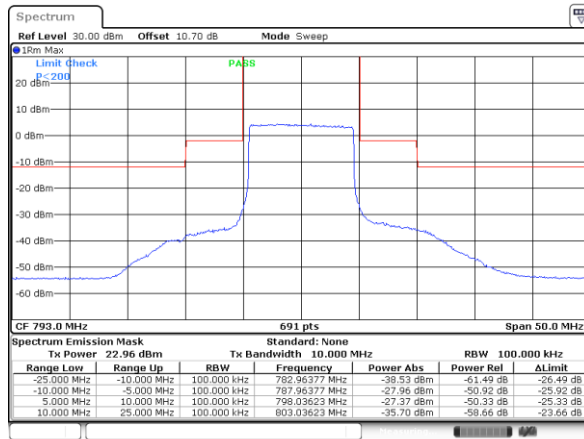


Date: 24.OCT.2022 21:39:39



Date: 24.OCT.2022 21:40:30

Middle Channel / Full RB

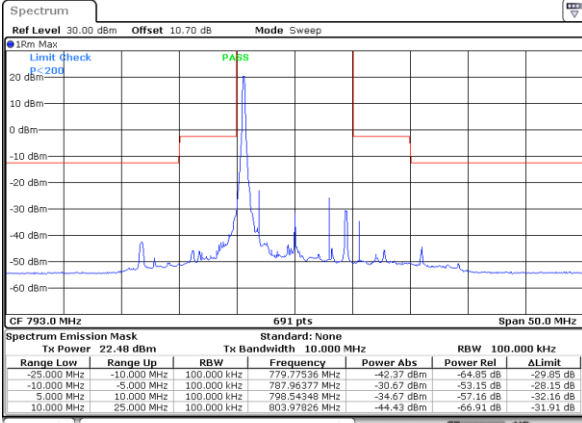


Date: 24.OCT.2022 21:41:20

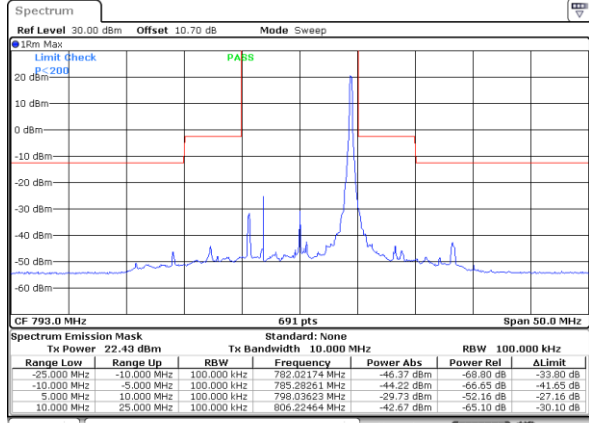


LTE Band 14 / 10MHz / 64QAM

Middle Channel / 1RB

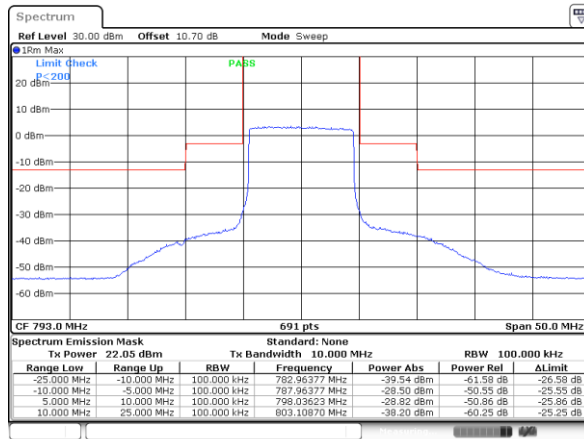


Date: 24.OCT.2022 21:43:52



Date: 24.OCT.2022 21:43:01

Middle Channel / Full RB

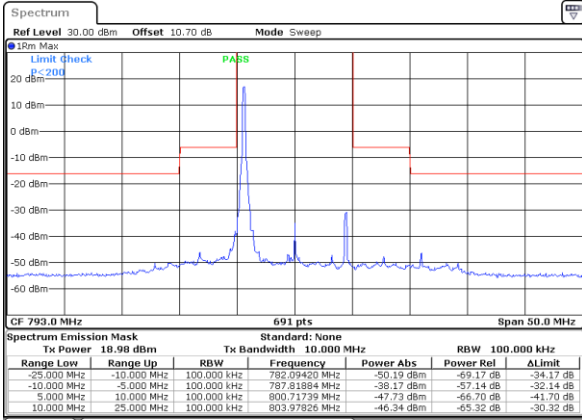


Date: 24.OCT.2022 21:42:11

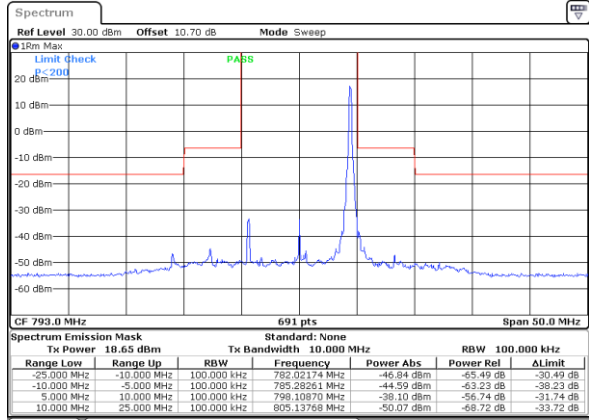


LTE Band 14 / 10MHz / 256QAM

Middle Channel / 1RB

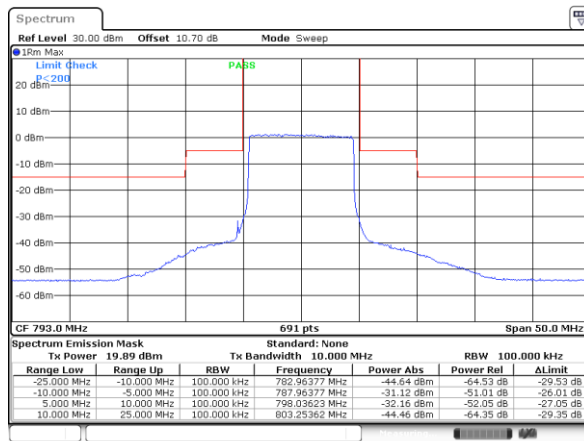


Date: 25.OCT.2022 02:51:54



Date: 25.OCT.2022 02:54:18

Middle Channel / Full RB



Date: 24.OCT.2022 21:46:23



### 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	0.0107	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0103	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0129	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0098	
-20	Normal Voltage	0.0078	
-30	Normal Voltage	0.0069	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

**Note:**

- 1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.60 V. ; Maximum Voltage = 4.45 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 14 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0044	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0033	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0053	
0	Normal Voltage	0.0045	
-10	Normal Voltage	0.0048	
-20	Normal Voltage	0.0047	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0048	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0058	

**Note:**

- 1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.60 V. ; Maximum Voltage = 4.45 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.

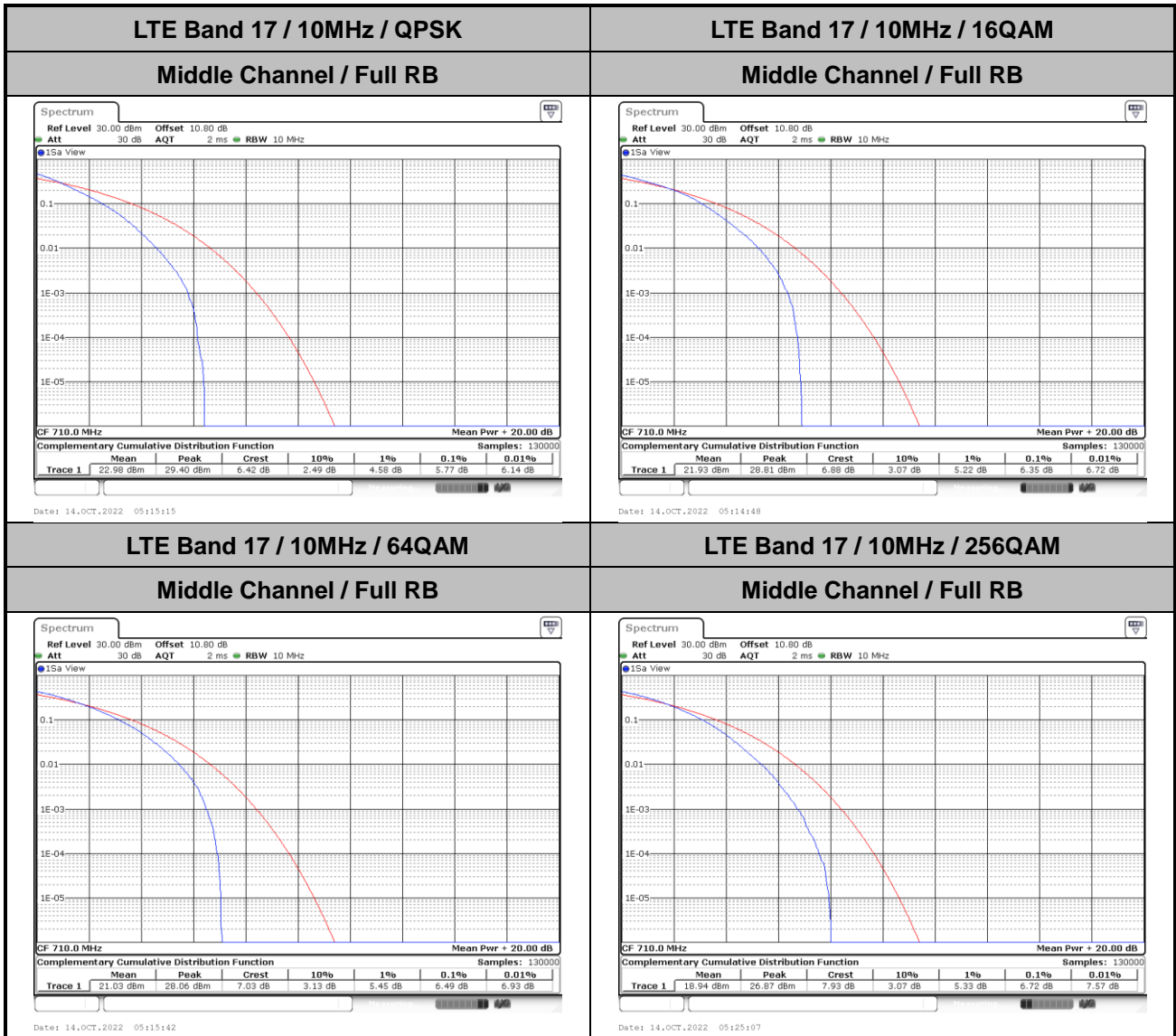




## LTE Band 17

### Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.77	6.35	6.49	6.72	<b>PASS</b>





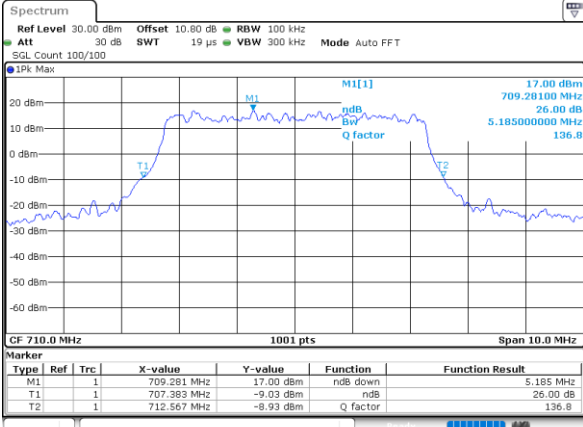
**26dB Bandwidth**

Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	5.19	5.14	9.69	10.05	-	-	-	-
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	5.25	5.03	10.35	9.87	-	-	-	-



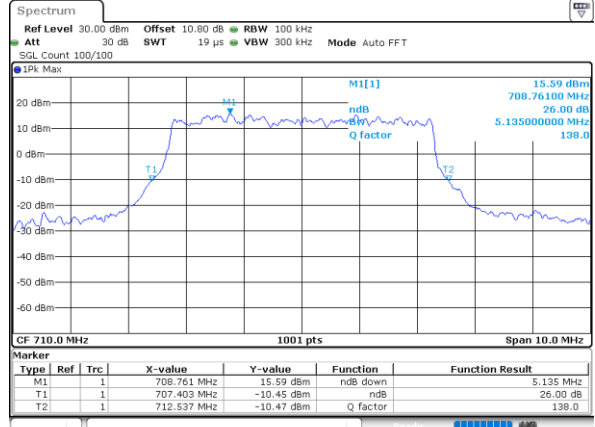
LTE Band 17

Middle Channel / 5MHz / QPSK



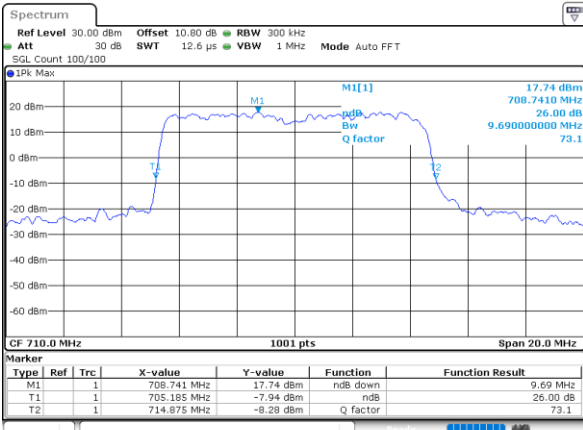
Date: 14.OCT.2022 04:44:53

Middle Channel / 5MHz / 16QAM



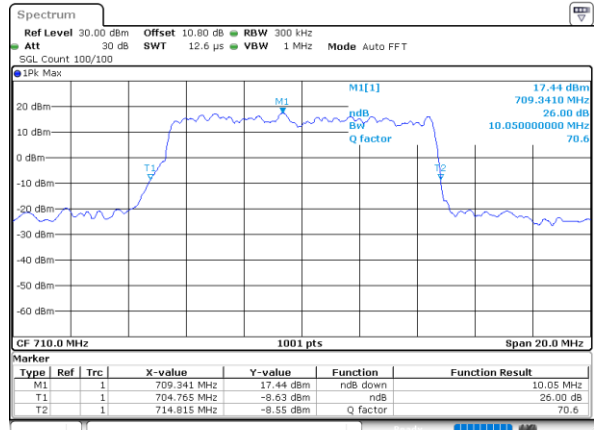
Date: 14.OCT.2022 04:45:19

Middle Channel / 10MHz / QPSK



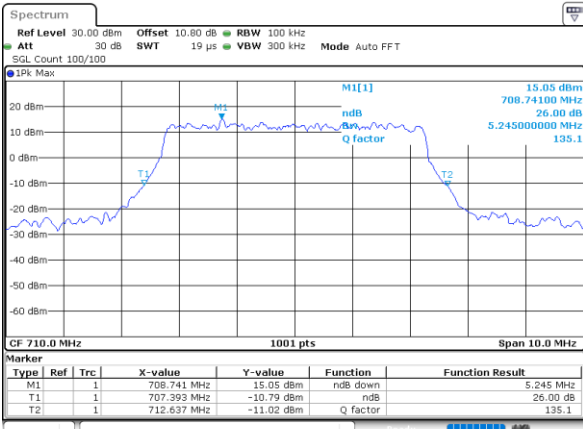
Date: 14.OCT.2022 04:58:42

Middle Channel / 10MHz / 16QAM



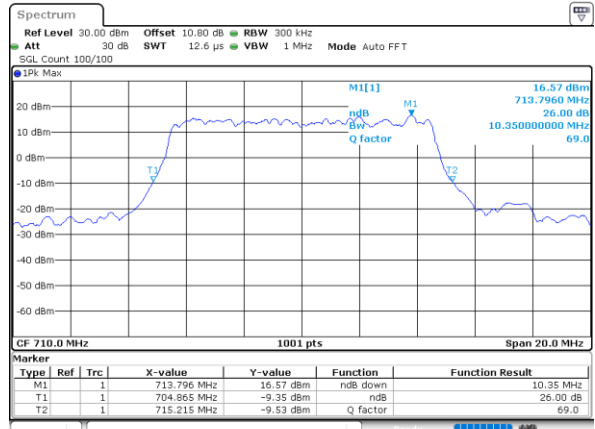
Date: 14.OCT.2022 04:59:08

Middle Channel / 5MHz / 64QAM



Date: 14.OCT.2022 05:08:00

Middle Channel / 10MHz / 64QAM



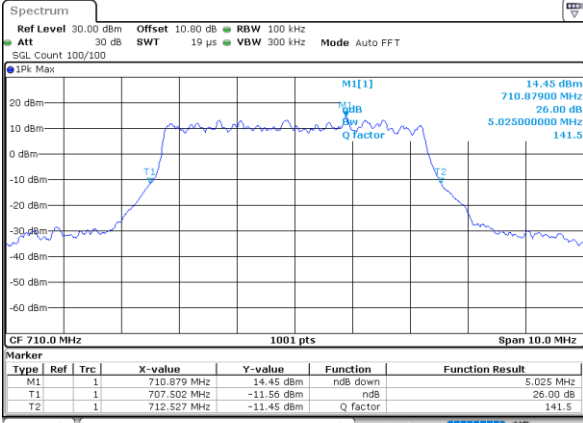
Date: 14.OCT.2022 05:12:29



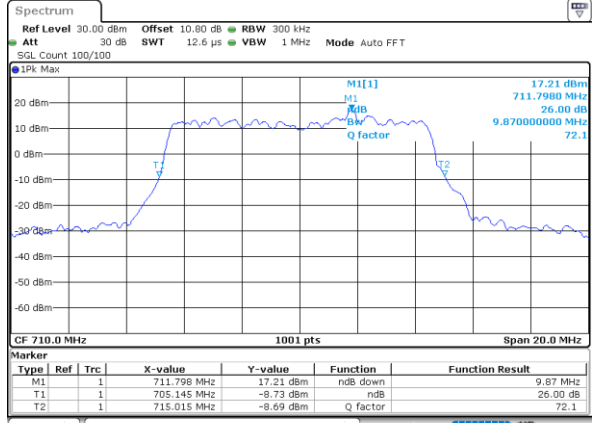
LTE Band 17

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 14.OCT.2022 05:18:20



Date: 14.OCT.2022 05:22:49



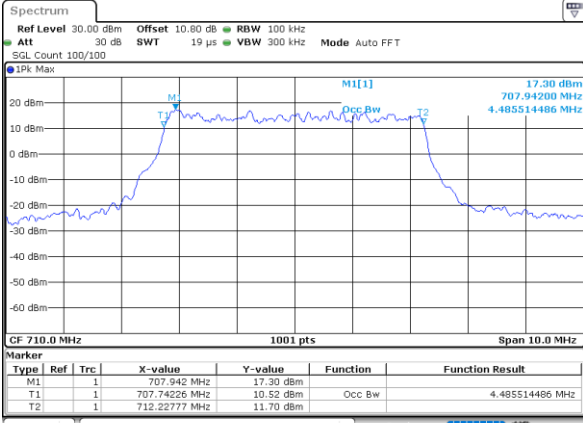
**Occupied Bandwidth**

Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.49	4.48	9.01	9.05	-	-	-	-
Mode	LTE Band 17 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.51	4.49	9.05	9.13	-	-	-	-



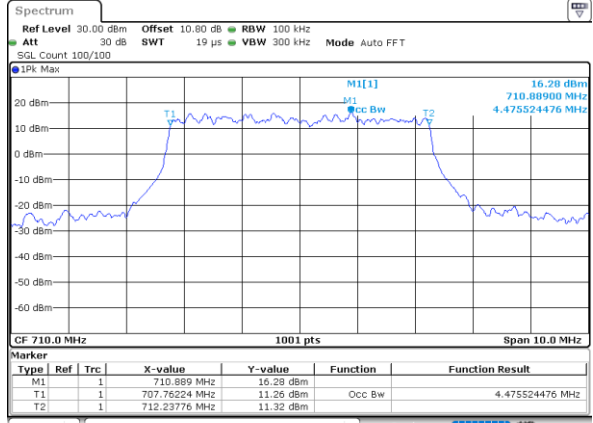
LTE Band 17

Middle Channel / 5MHz / QPSK



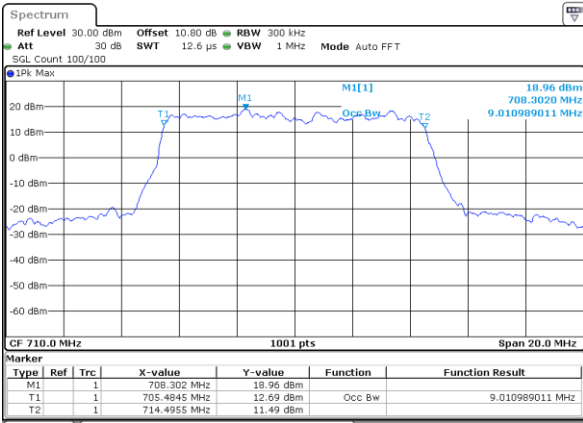
Date: 14.OCT.2022 04:44:01

Middle Channel / 5MHz / 16QAM



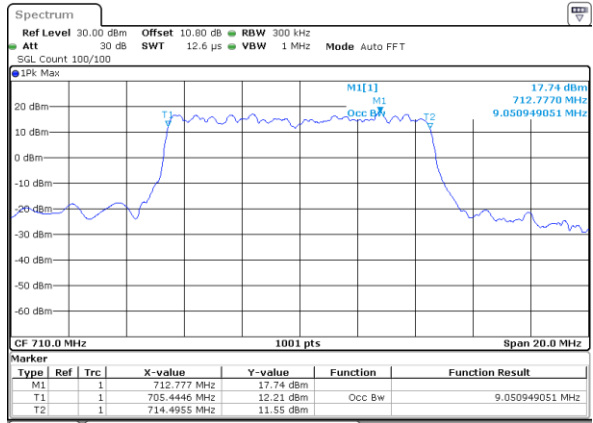
Date: 14.OCT.2022 04:44:27

Middle Channel / 10MHz / QPSK



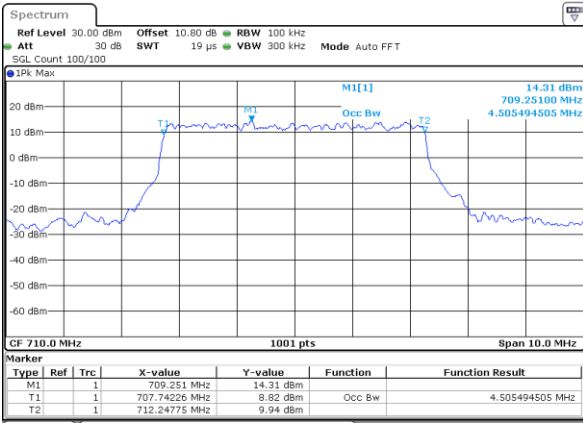
Date: 14.OCT.2022 04:57:50

Middle Channel / 10MHz / 16QAM



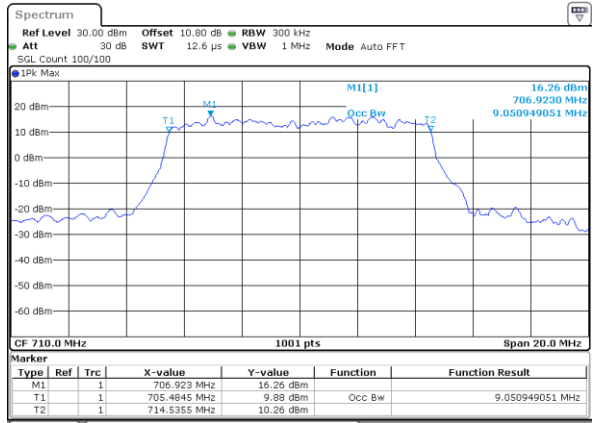
Date: 14.OCT.2022 04:58:16

Middle Channel / 5MHz / 64QAM



Date: 14.OCT.2022 05:07:46

Middle Channel / 10MHz / 64QAM



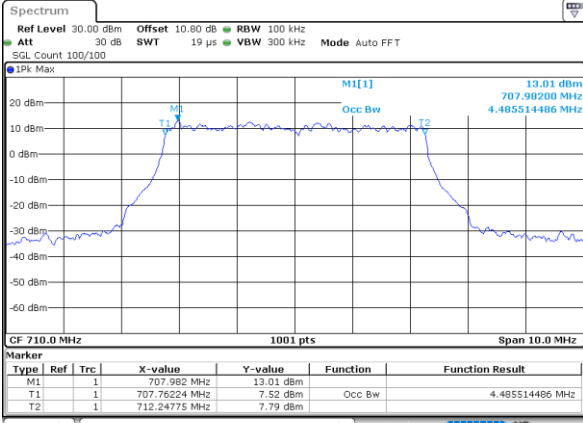
Date: 14.OCT.2022 05:12:15



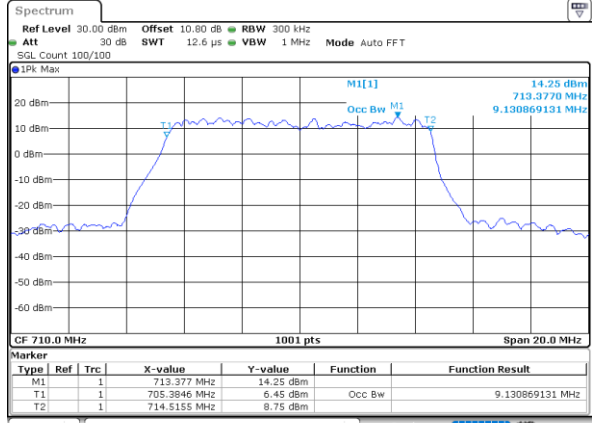
LTE Band 17

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 14.OCT.2022 05:18:06



Date: 14.OCT.2022 05:22:35