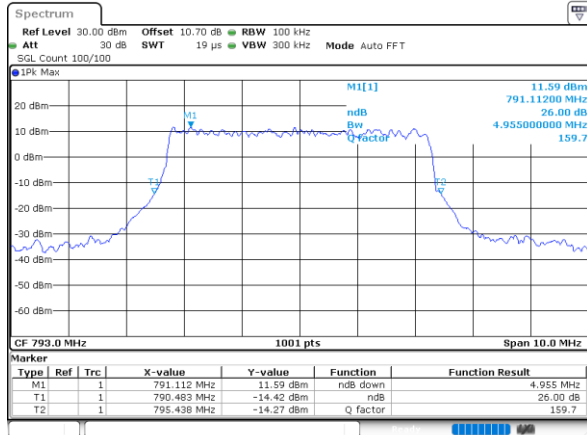




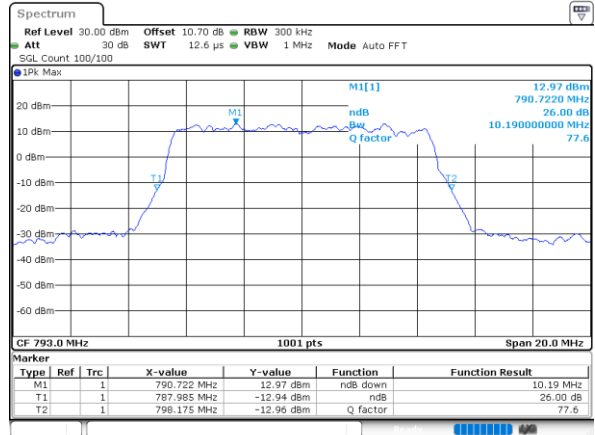
LTE Band 14

Middle Channel / 5MHz / 256QAM



Date: 17,SEP,2022 15:40:55

Middle Channel / 10MHz / 256QAM



Date: 17,SEP,2022 16:27:43

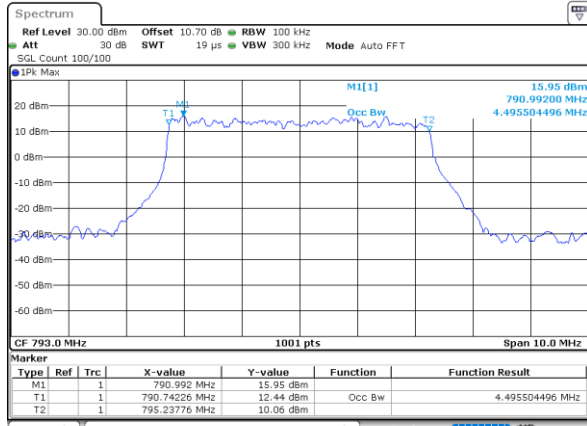
**Occupied Bandwidth**

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	-	-	-	-



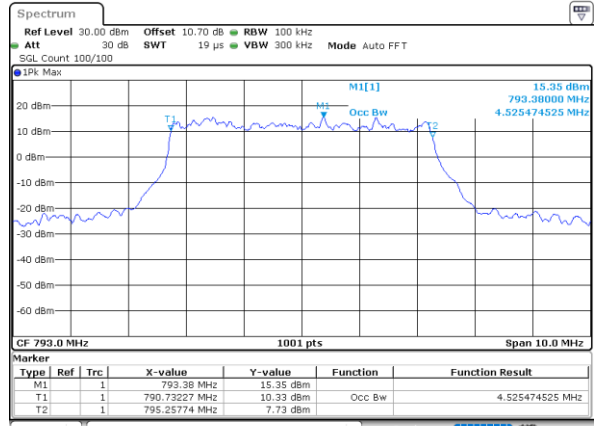
LTE Band 14

Middle Channel / 5MHz / QPSK



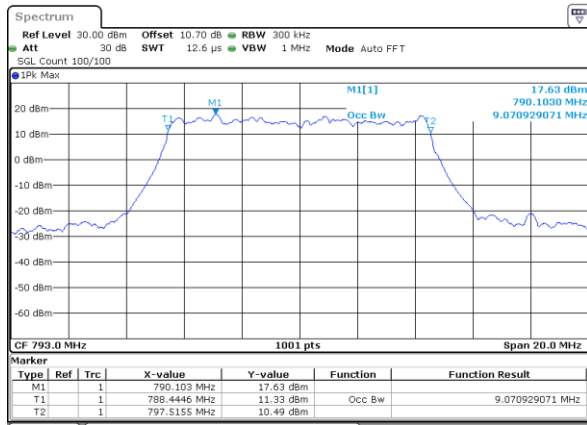
Date: 17.SEP.2022 15:38:46

Middle Channel / 5MHz / 16QAM



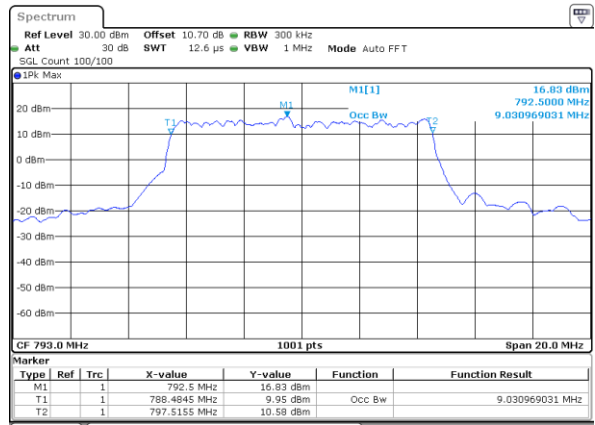
Date: 17.SEP.2022 15:39:43

Middle Channel / 10MHz / QPSK



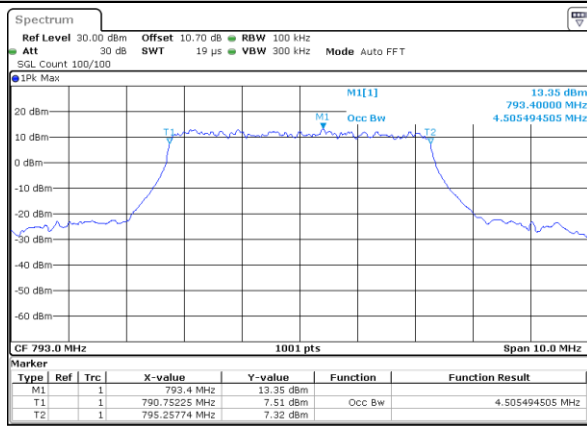
Date: 17.SEP.2022 16:12:48

Middle Channel / 10MHz / 16QAM



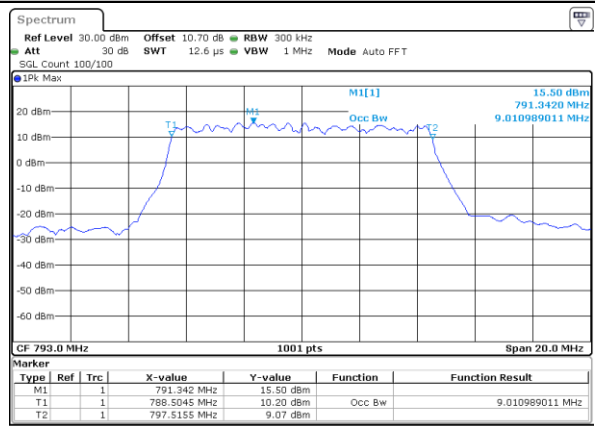
Date: 17.SEP.2022 16:14:03

Middle Channel / 5MHz / 64QAM



Date: 17.SEP.2022 15:40:12

Middle Channel / 10MHz / 64QAM

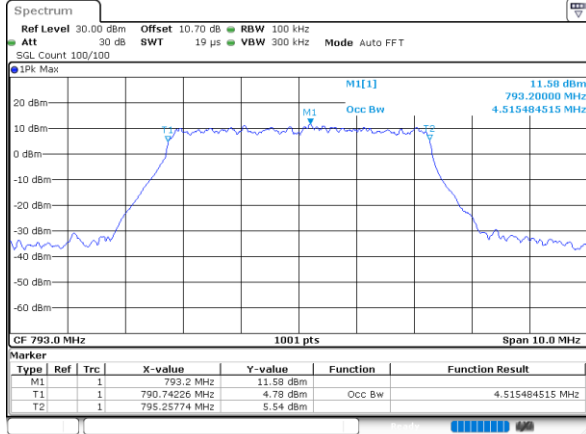


Date: 17.SEP.2022 16:26:15



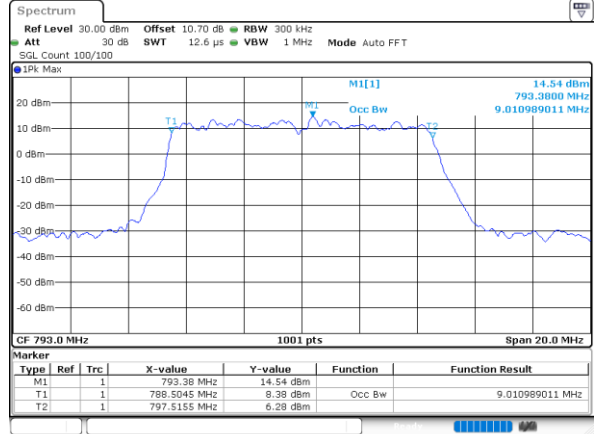
LTE Band 14

Middle Channel / 5MHz / 256QAM



Date: 17,SEP,2022 15:41:09

Middle Channel / 10MHz / 256QAM



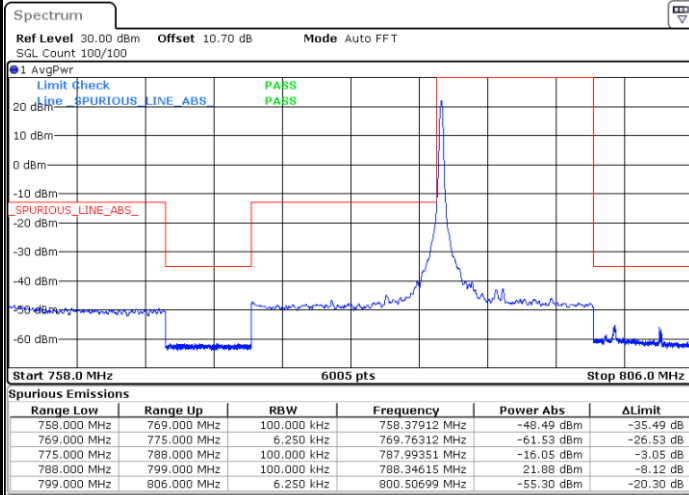
Date: 17,SEP,2022 16:27:29



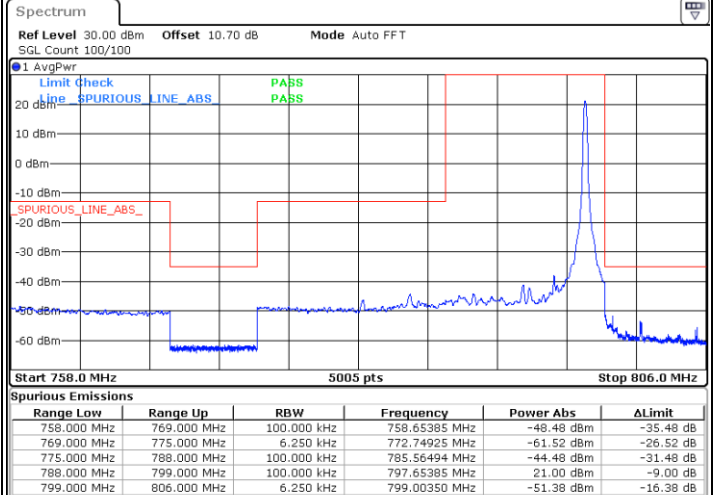
Conducted Band Edge

LTE Band 14 / 5MHz / QPSK

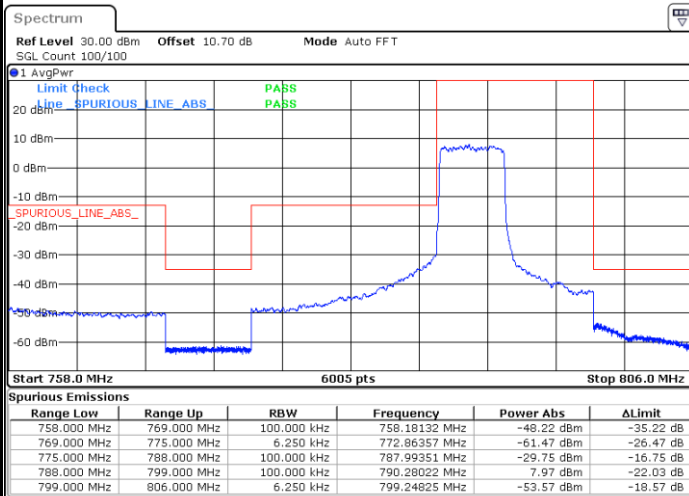
Lowest Band Edge / 1 RB



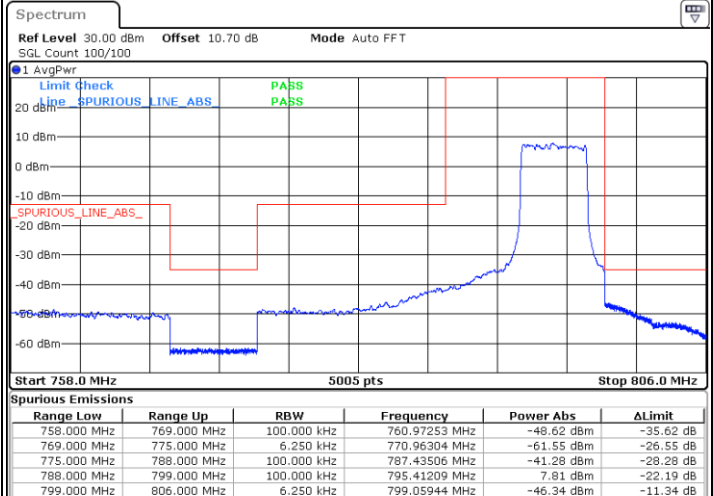
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



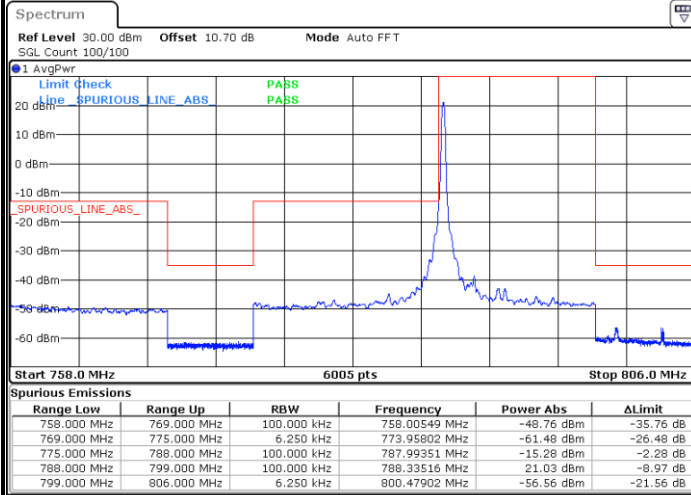
Highest Band Edge / Full RB



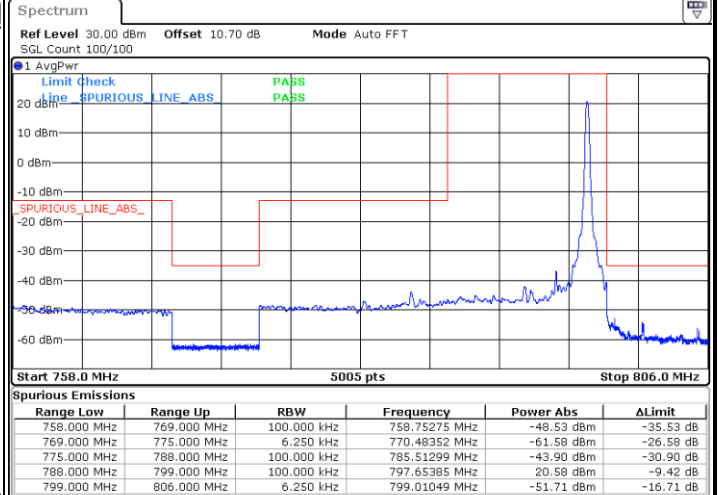


LTE Band 14 / 5MHz / 16QAM

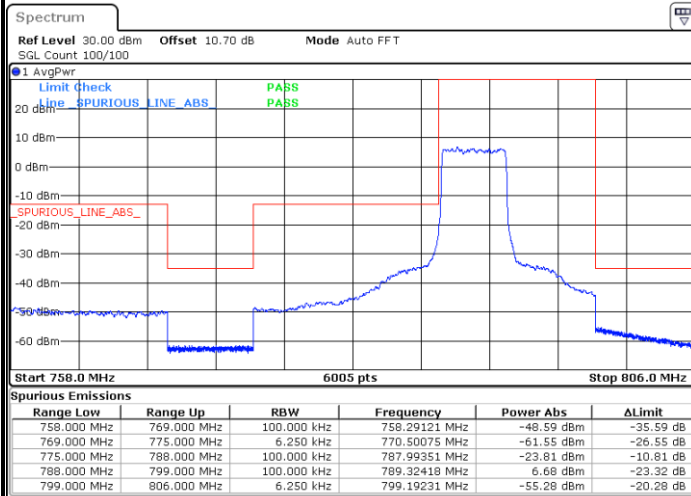
Lowest Band Edge / 1 RB



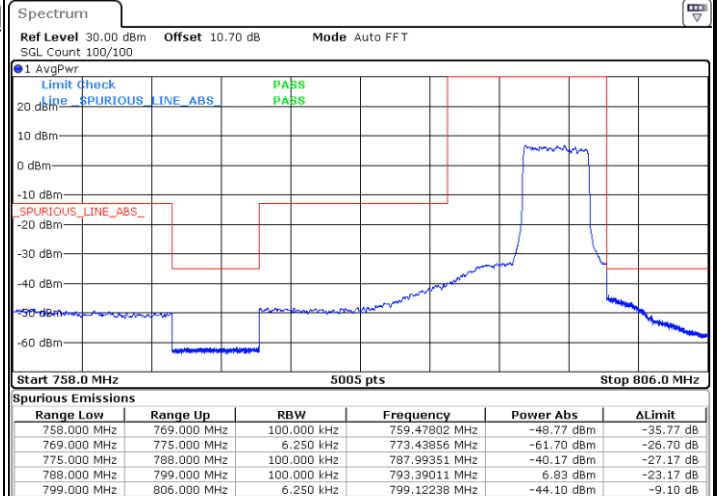
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



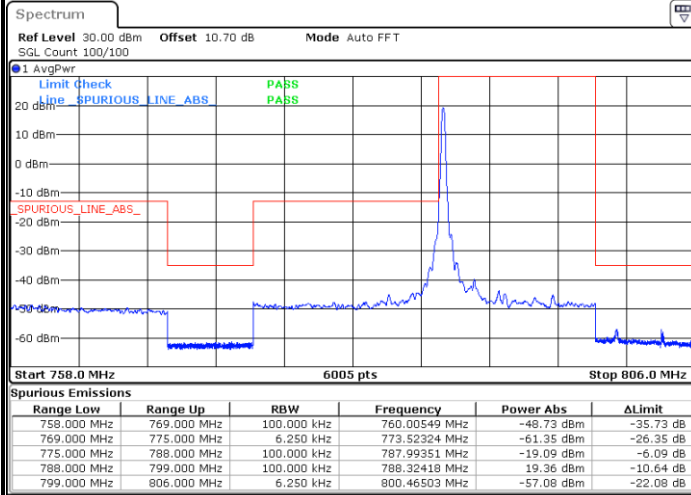
Highest Band Edge / Full RB



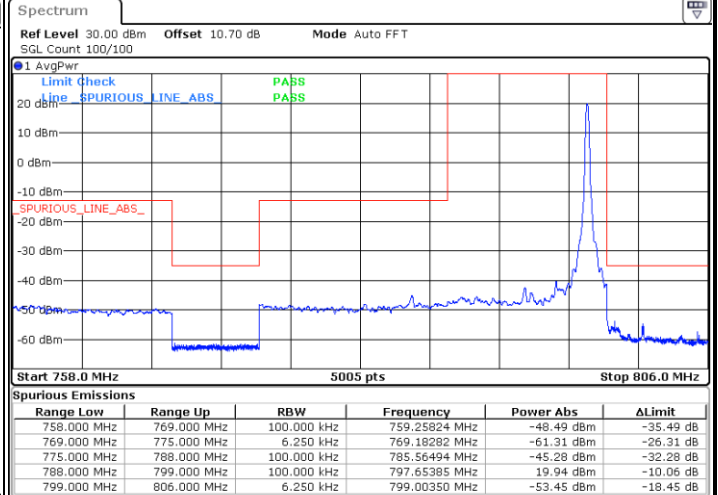


LTE Band 14 / 5MHz / 64QAM

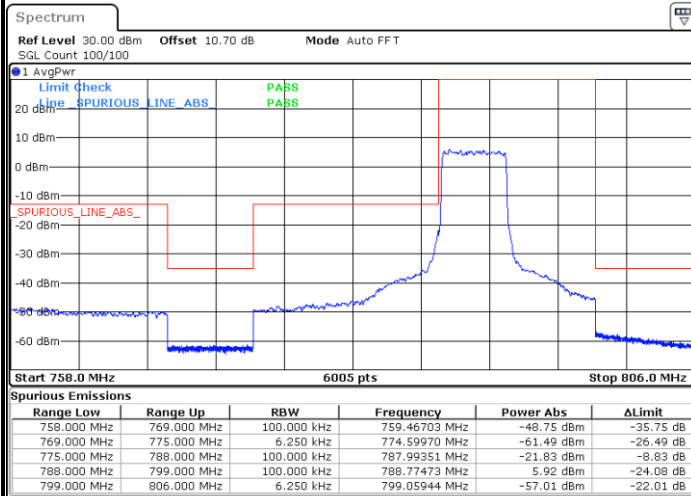
Lowest Band Edge / 1 RB



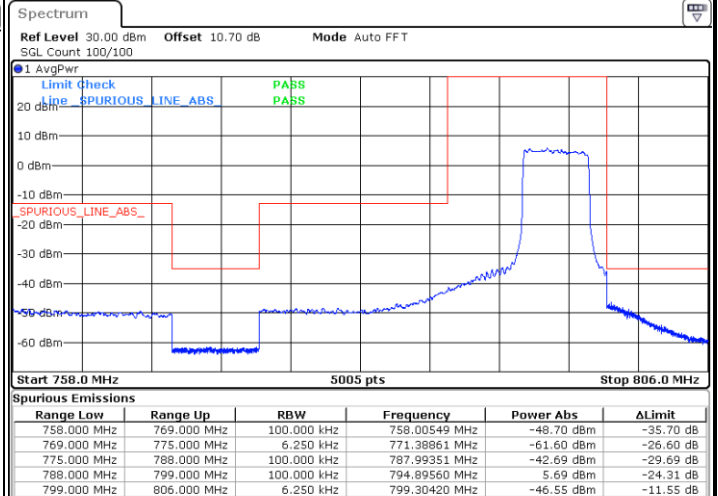
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



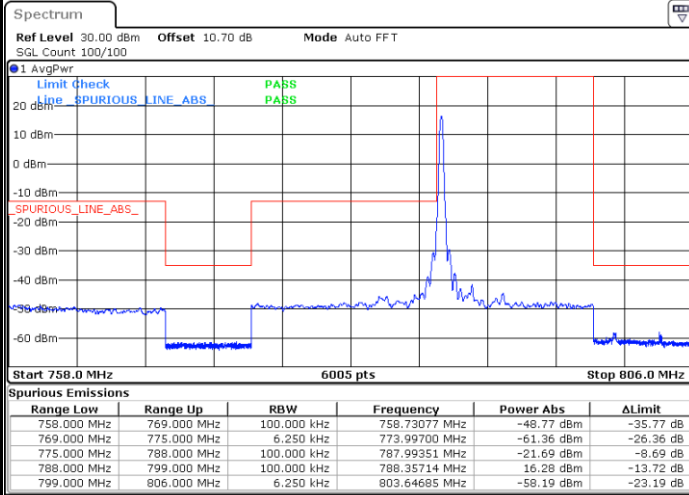
Highest Band Edge / Full RB



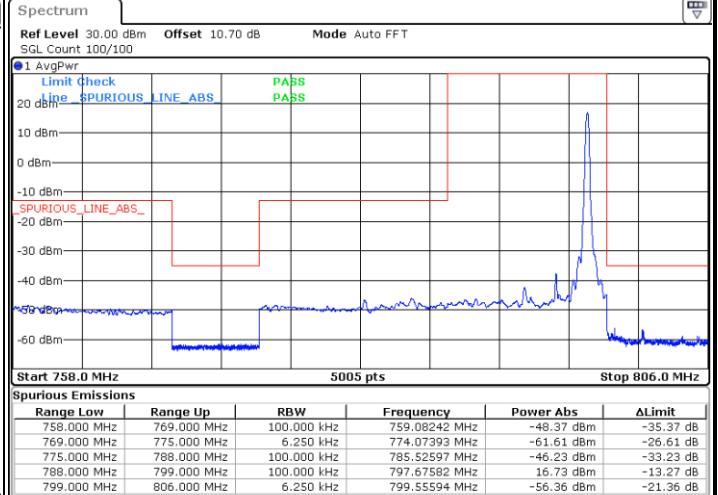


LTE Band 14 / 5MHz / 256QAM

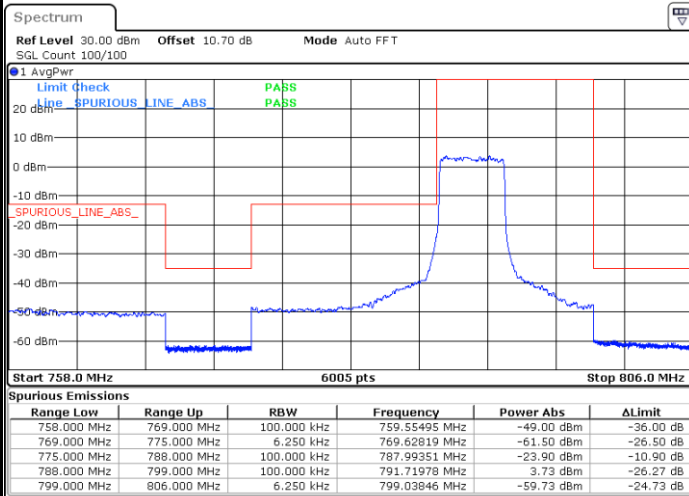
Lowest Band Edge / 1 RB



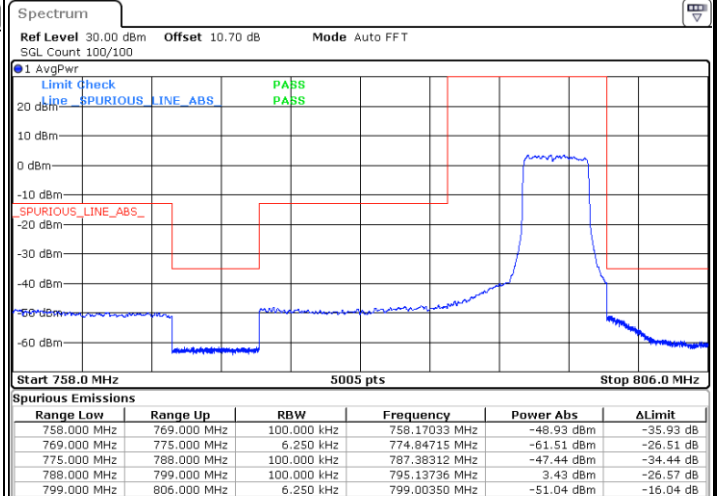
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



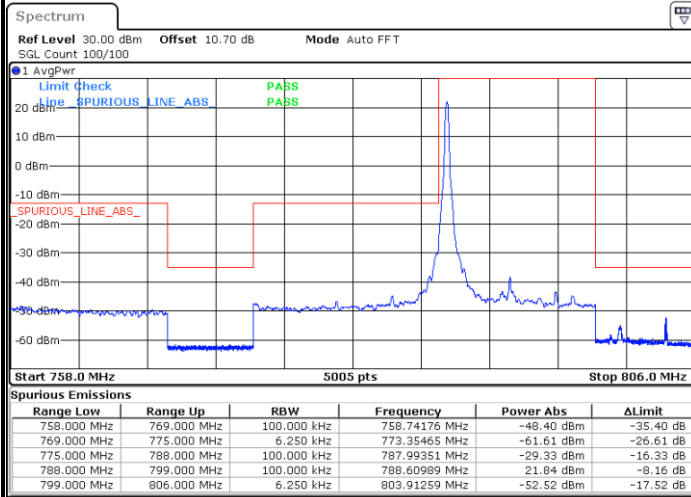
Highest Band Edge / Full RB



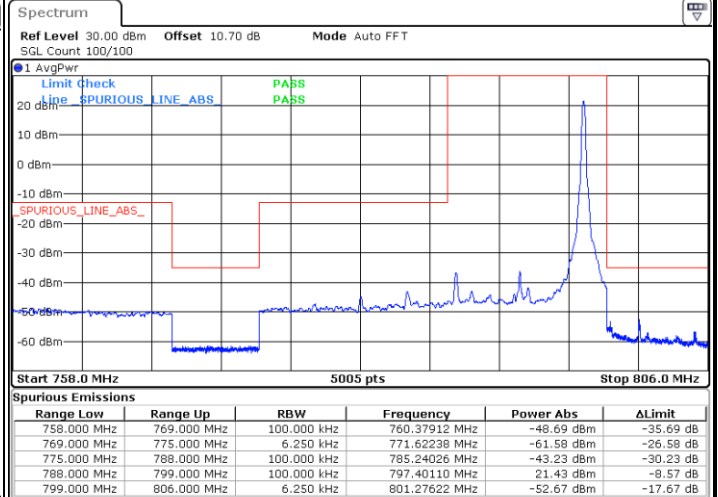


LTE Band 14 / 10MHz / QPSK

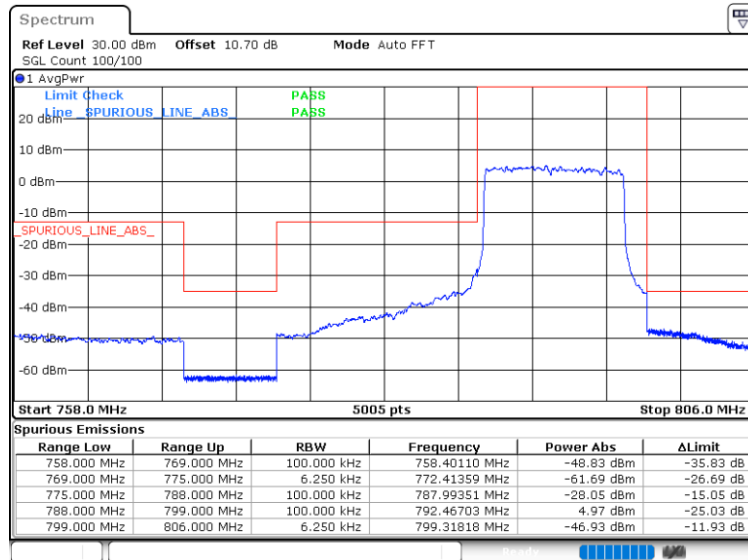
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



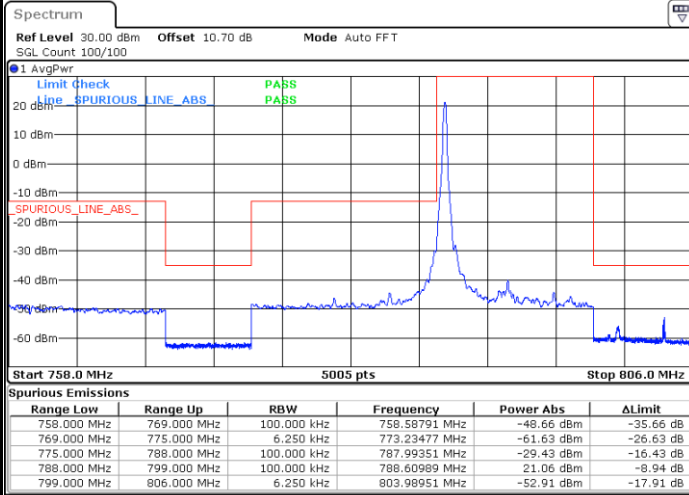
Band Edge / Full RB





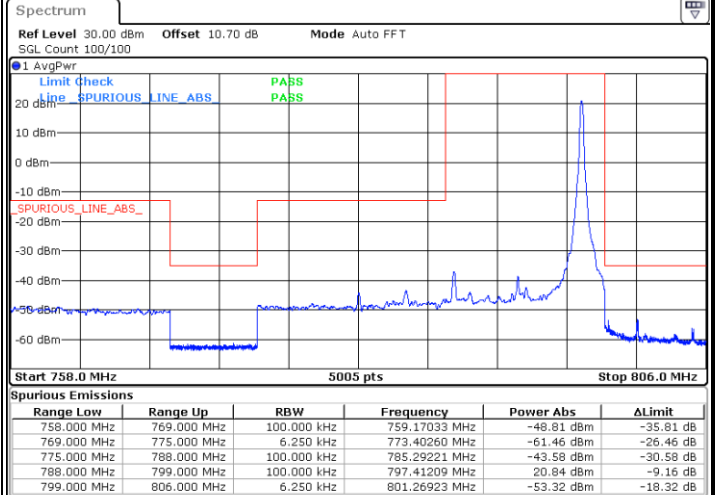
LTE Band 14 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



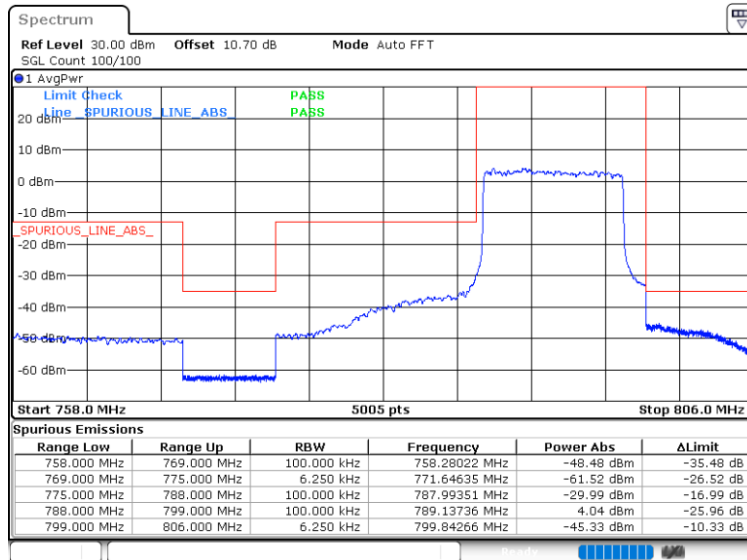
Date: 17.SEP.2022 16:16:56

Highest Band Edge / 1 RB



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

Band Edge / Full RB

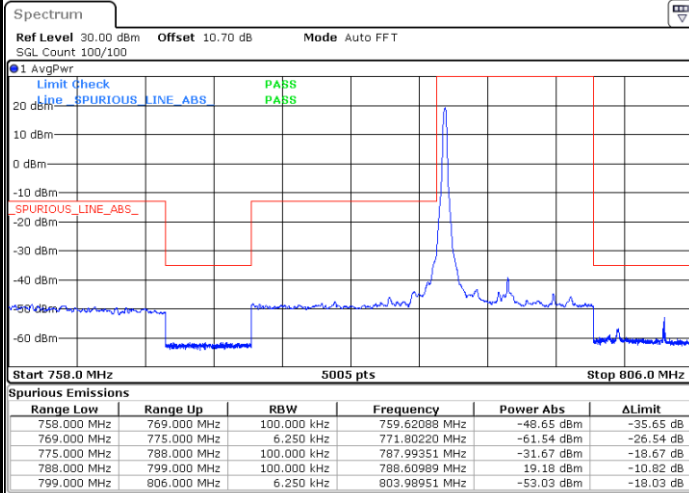


Date: 17.SEP.2022 16:15:00



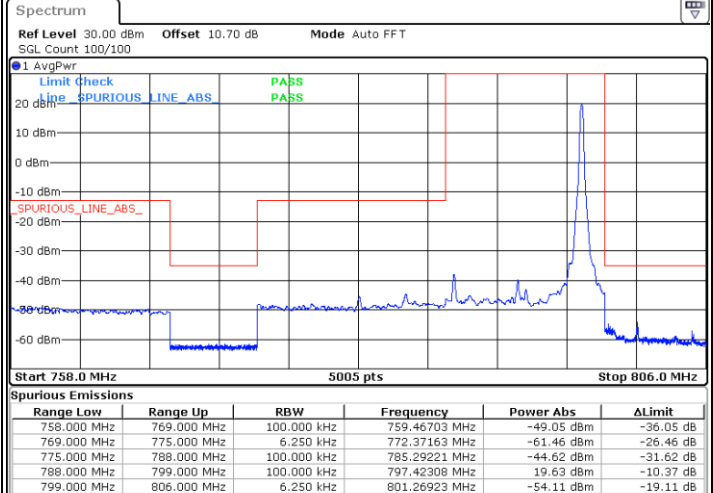
LTE Band 14 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



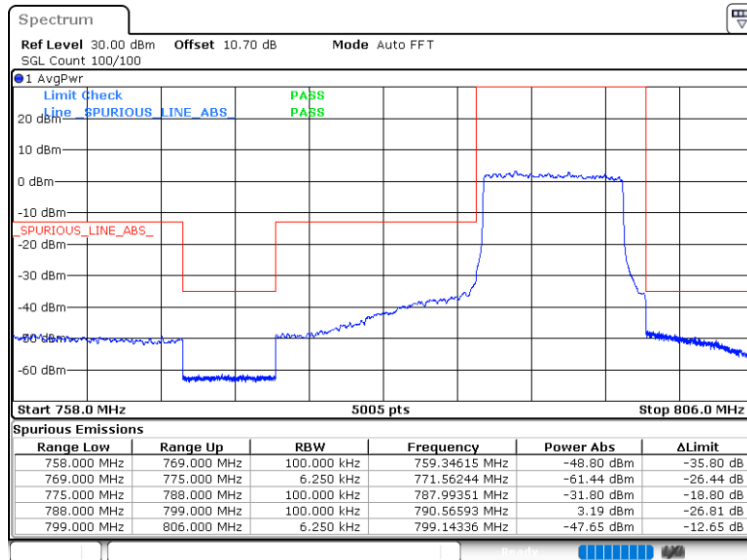
Date: 17.SEP.2022 16:24:04

Highest Band Edge / 1 RB



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

Band Edge / Full RB

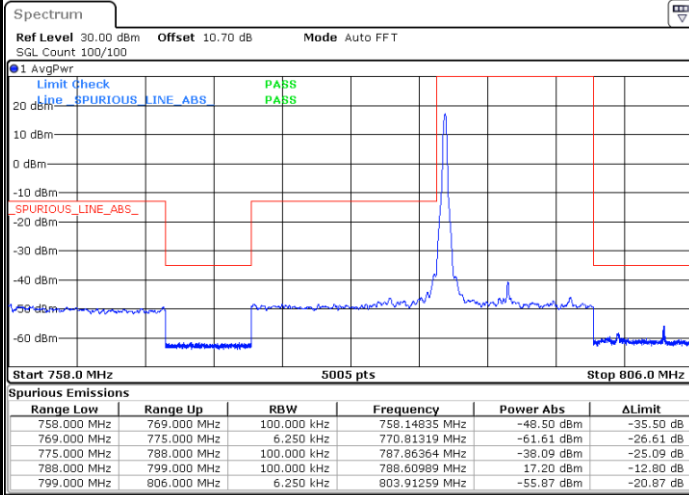


Date: 17.SEP.2022 16:26:00

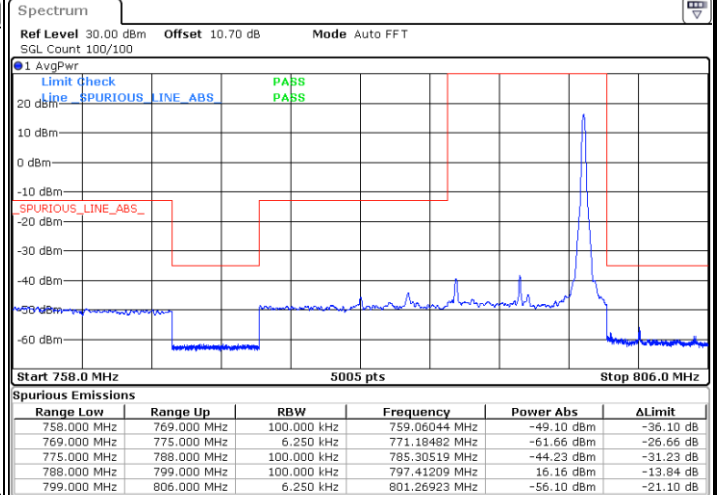


LTE Band 14 / 10MHz / 256QAM

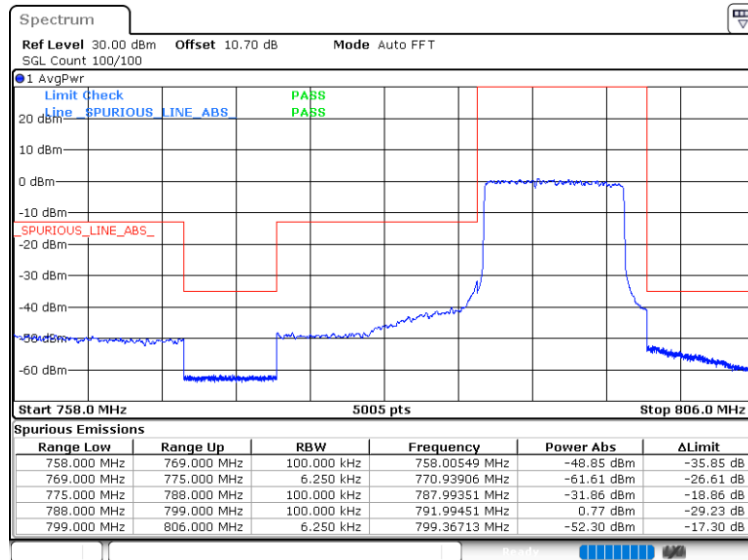
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Band Edge / Full RB

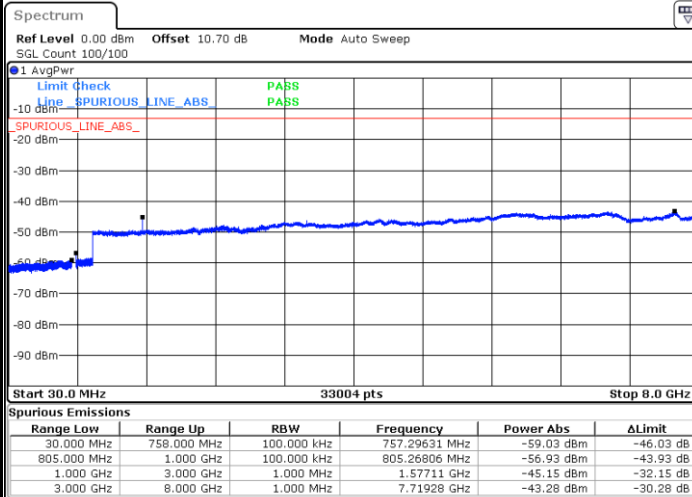




Conducted Spurious Emission

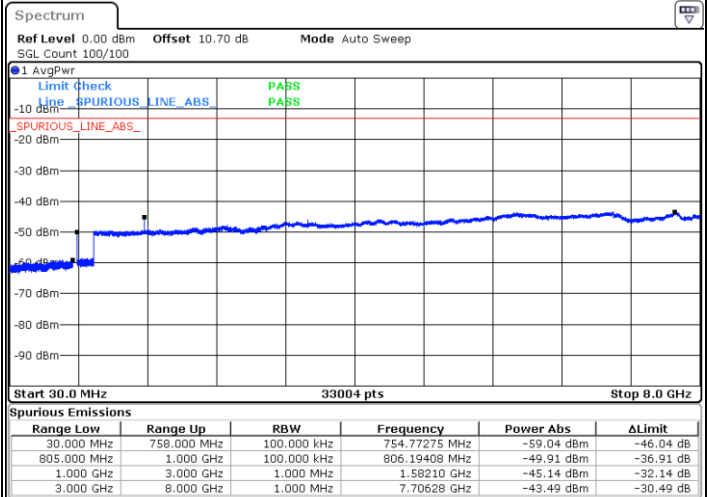
LTE Band 14 / 5MHz

Lowest Channel / QPSK



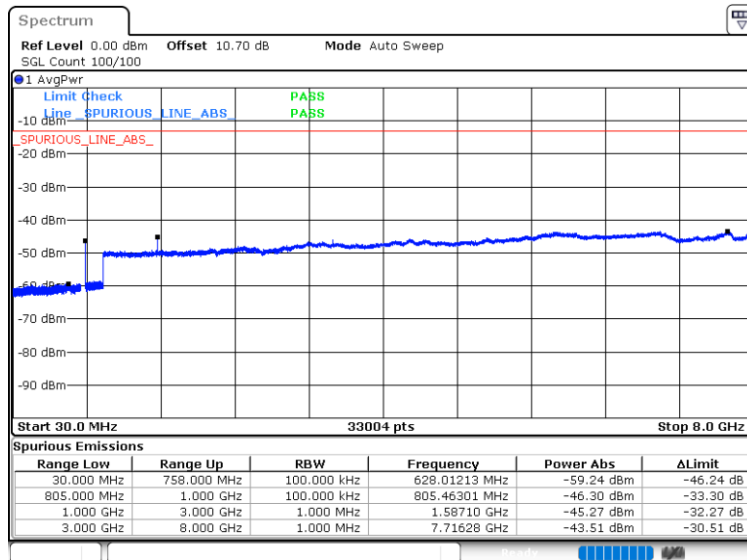
Date: 17.SEP.2022 15:18:58

Middle Channel / QPSK



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

Highest Channel / QPSK

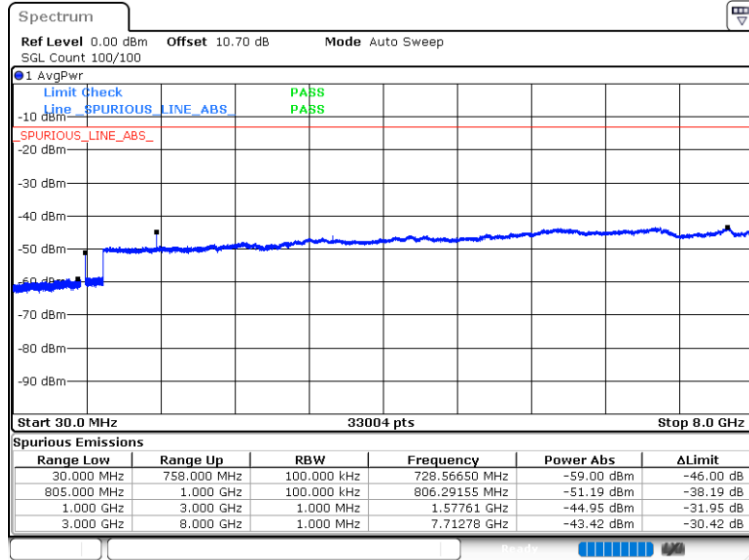


Date: 17.SEP.2022 15:57:07

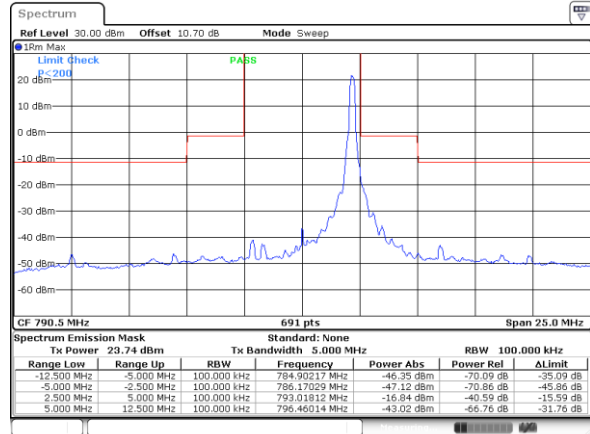
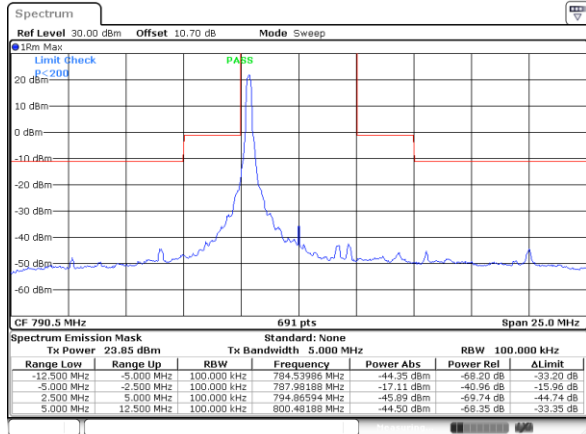
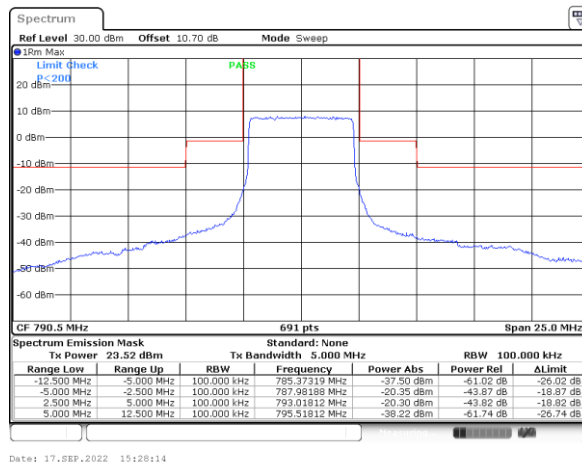


LTE Band 14 / 10MHz

Middle Channel / QPSK



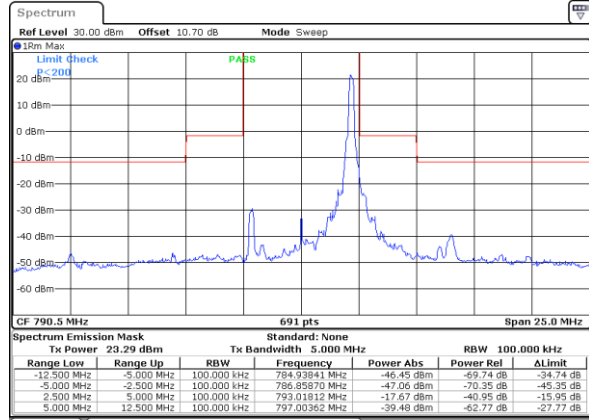
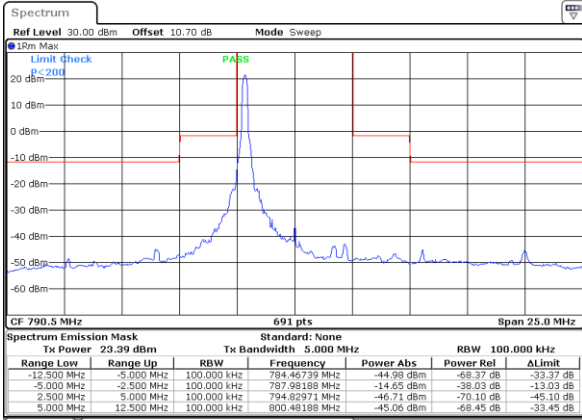
Date: 17.SEP.2022 16:09:29

**Mask****LTE Band 14 / 5MHz / QPSK****Lowest Channel / 1RB****Lowest Channel / Full RB**

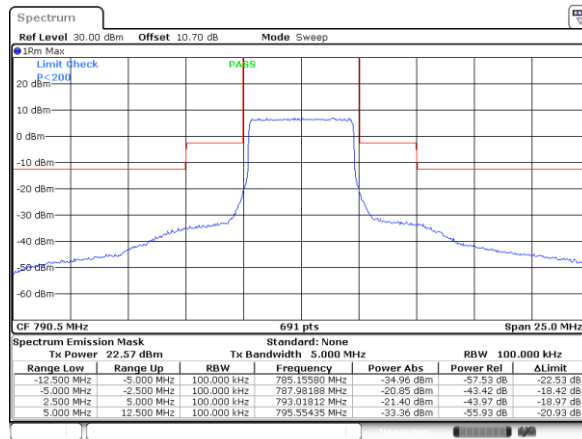


LTE Band 14 / 5MHz / 16QAM

Lowest Channel / 1RB



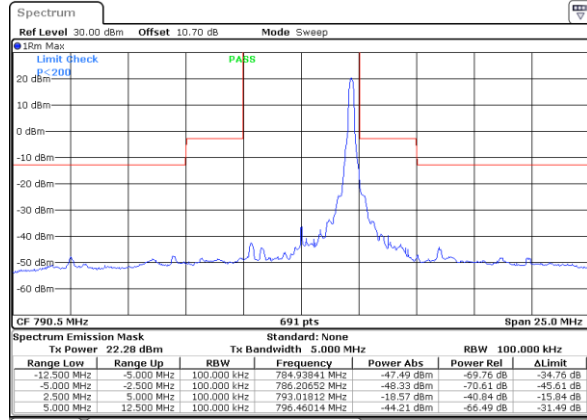
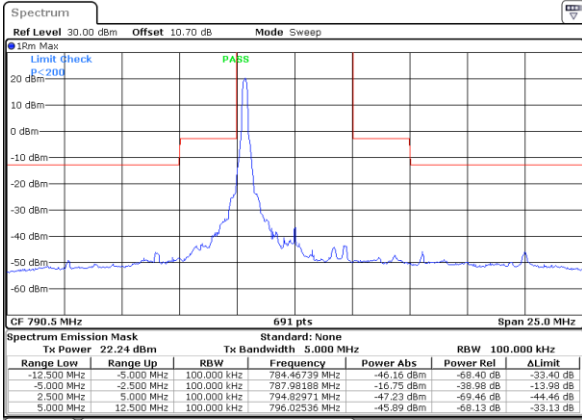
Lowest Channel / Full RB



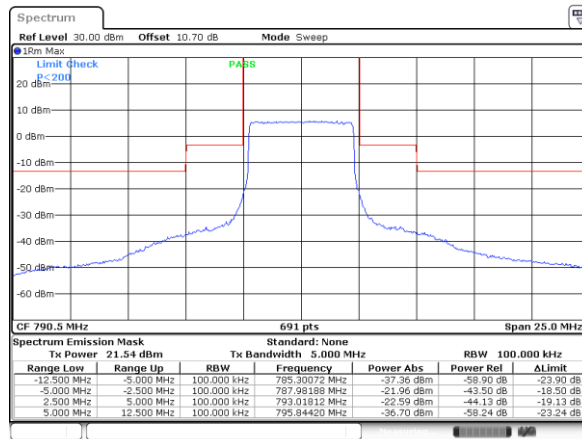


LTE Band 14 / 5MHz / 64QAM

Lowest Channel / 1RB



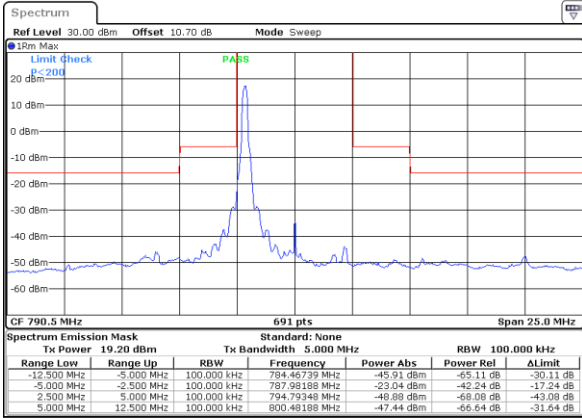
Lowest Channel / Full RB



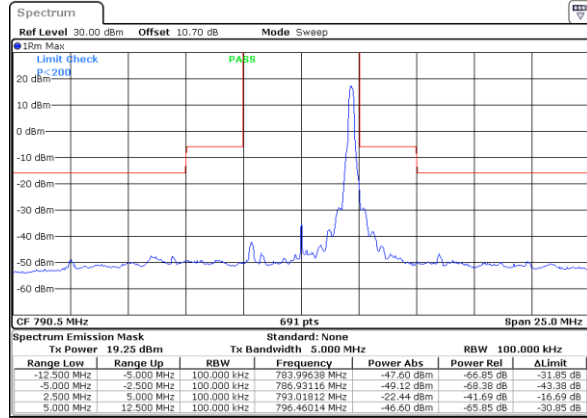


LTE Band 14 / 5MHz / 256QAM

Lowest Channel / 1RB

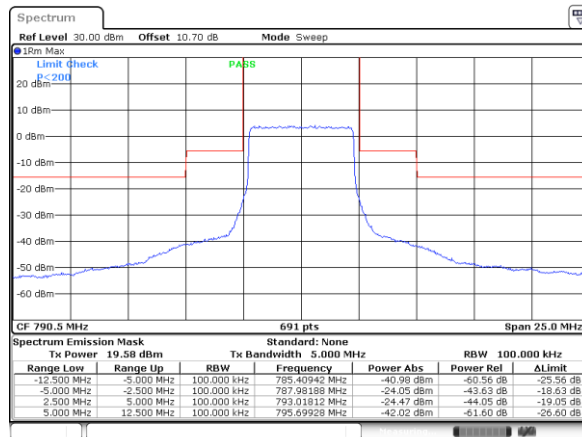


Date: 17,SEP,2022 15:38:18



Date: 17,SEP,2022 15:37:11

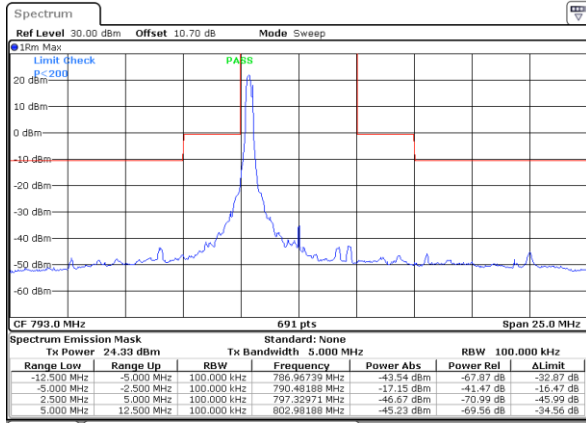
Lowest Channel / Full RB



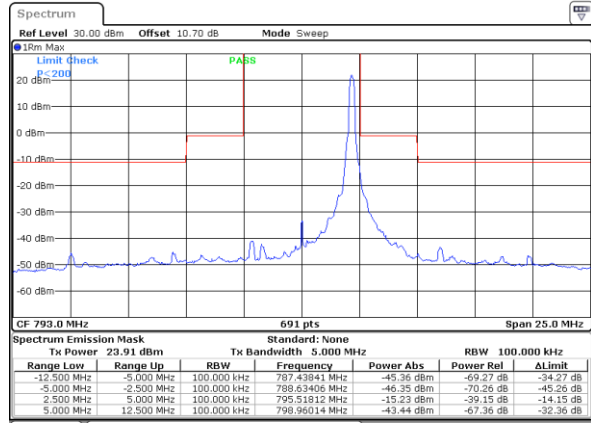
Date: 17,SEP,2022 15:36:04

LTE Band 14 / 5MHz / QPSK

Middle Channel / 1RB

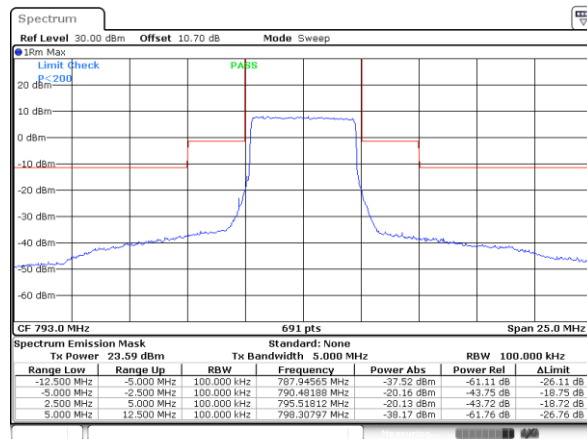


Date: 17,SEP,2022 15:43:29



Date: 17,SEP,2022 16:43:18

Middle Channel / Full RB

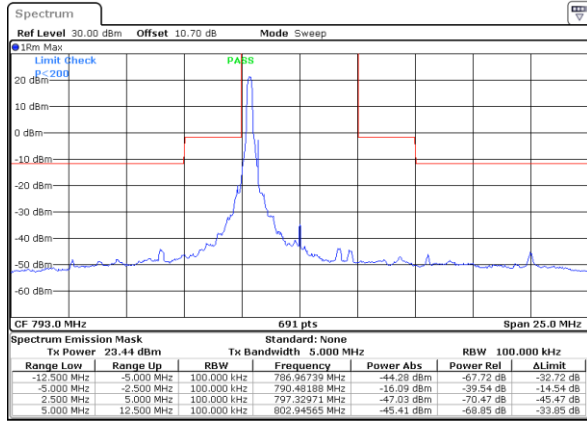


Date: 17,SEP,2022 15:45:42

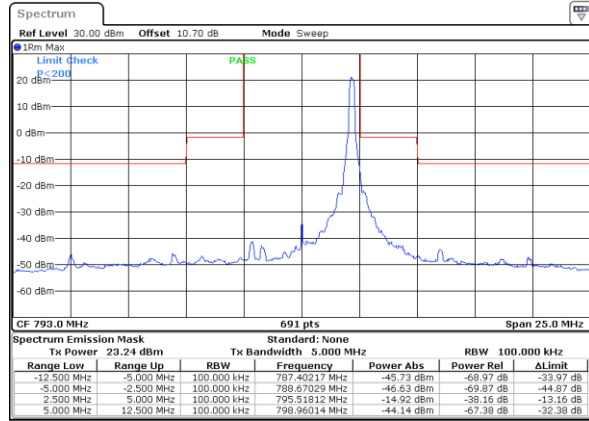


LTE Band 14 / 5MHz / 16QAM

Middle Channel / 1RB

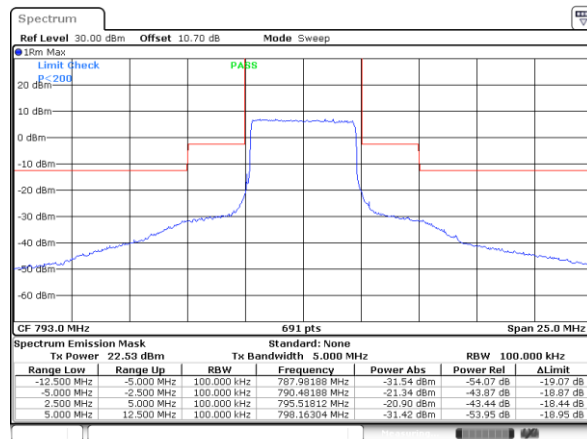


Date: 17,SEP,2022 16:37:49



Date: 17,SEP,2022 16:42:09

Middle Channel / Full RB

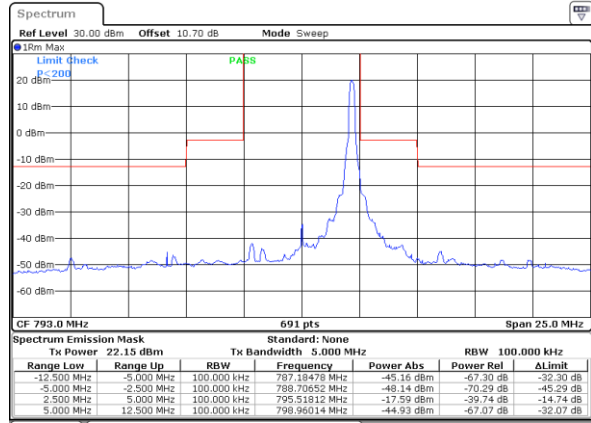
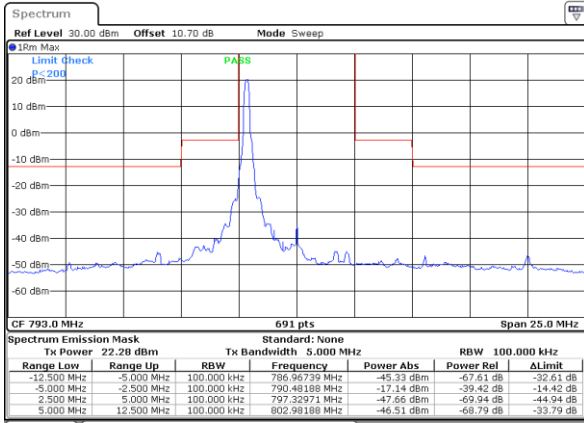


Date: 17,SEP,2022 15:46:48

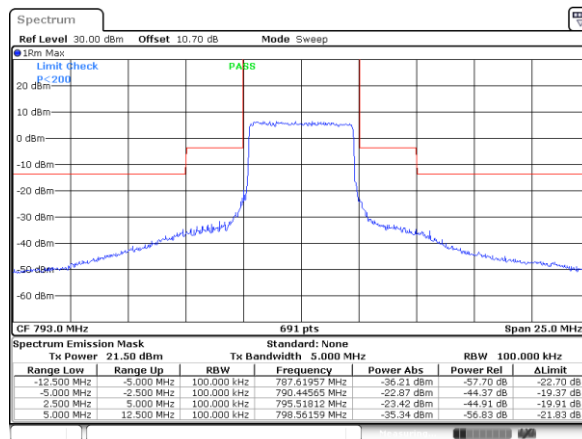


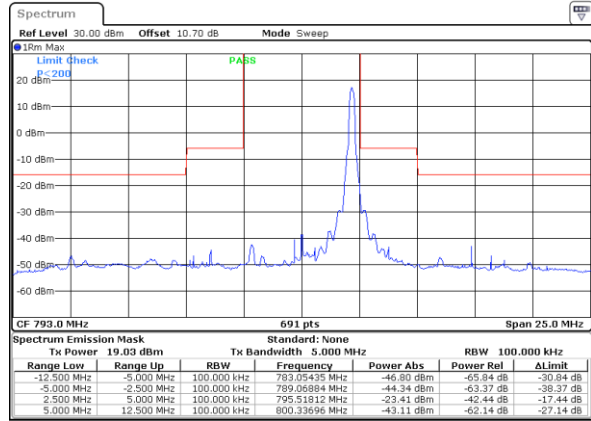
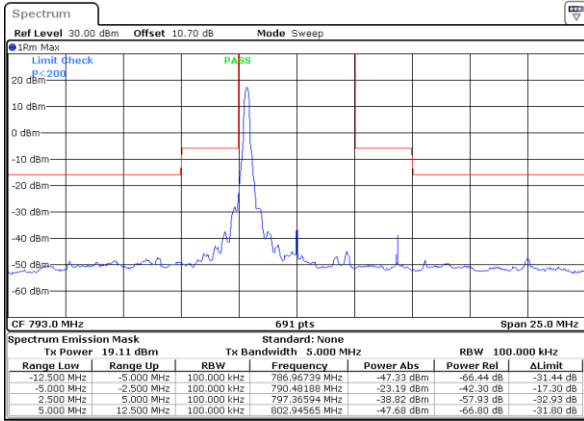
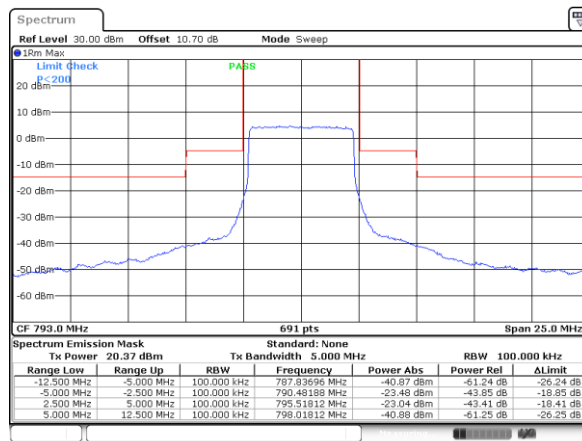
LTE Band 14 / 5MHz / 64QAM

Middle Channel / 1RB



Middle Channel / Full RB

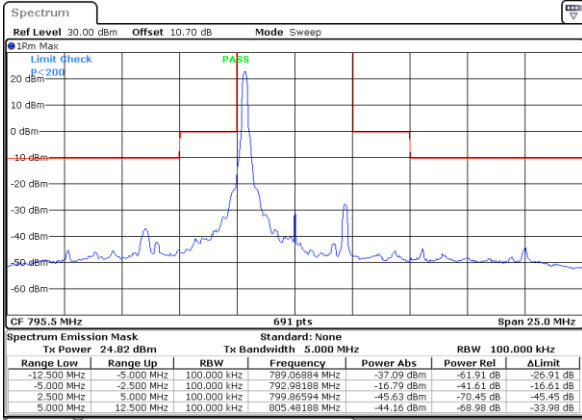


LTE Band 14 / 5MHz / 256QAM
Middle Channel / 1RB

Middle Channel / Full RB


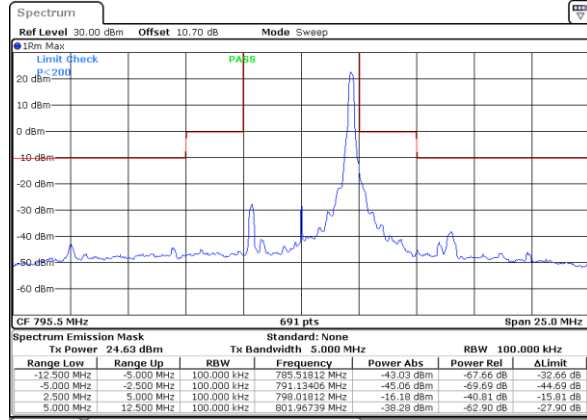


LTE Band 14 / 5MHz / QPSK

Highest Channel / 1RB

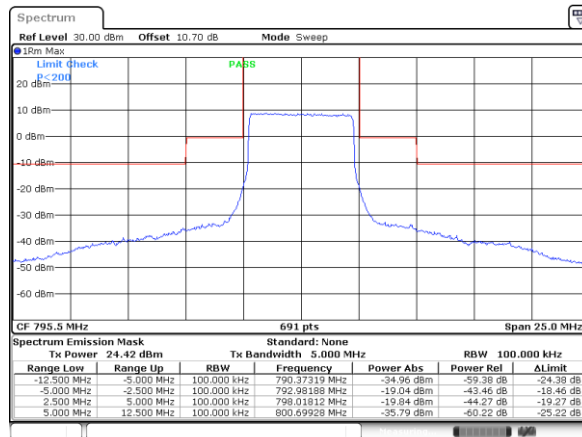


Date: 25.OCT.2022 02:25:38



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

Highest Channel / Full RB

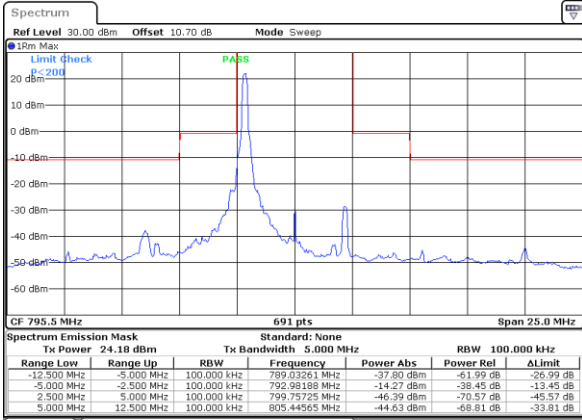


Date: 25.OCT.2022 02:21:21

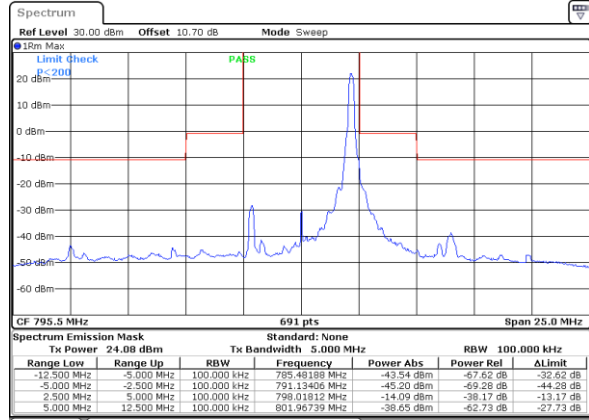


LTE Band 14 / 5MHz / 16QAM

Highest Channel / 1RB

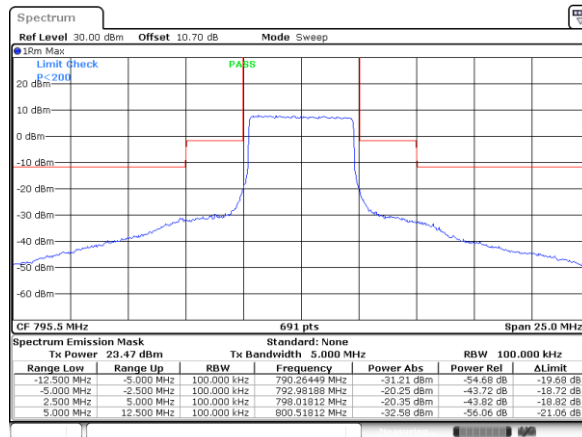


Date: 25.OCT.2022 02:24:46



Date: 25.OCT.2022 02:27:20

Highest Channel / Full RB

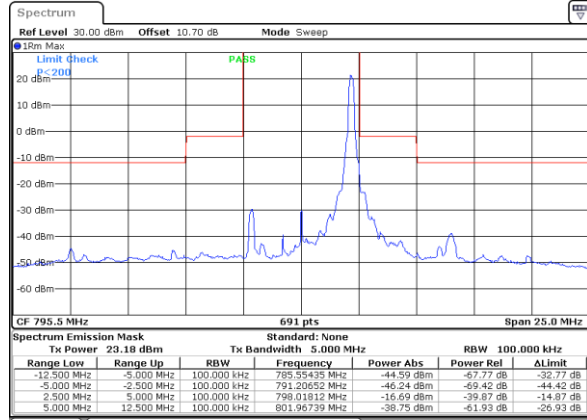
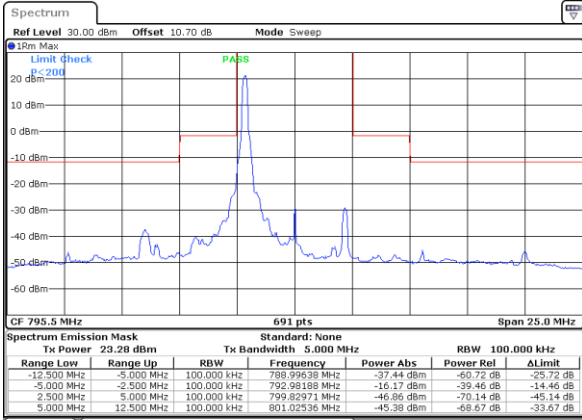


Date: 25.OCT.2022 02:22:13

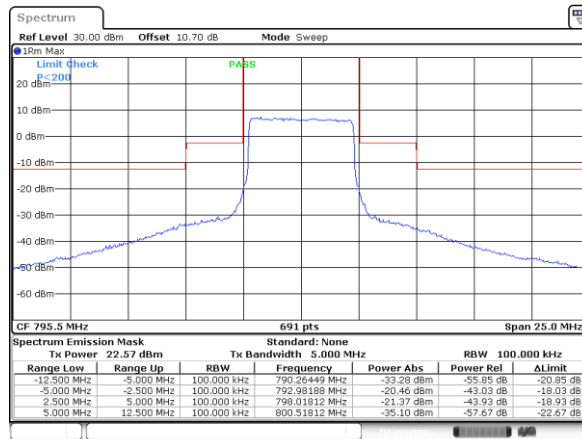


LTE Band 14 / 5MHz / 64QAM

Highest Channel / 1RB



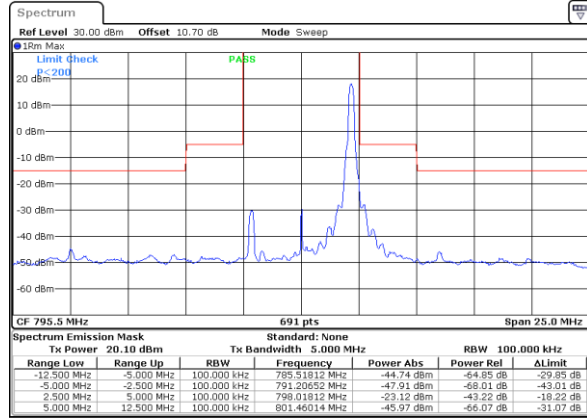
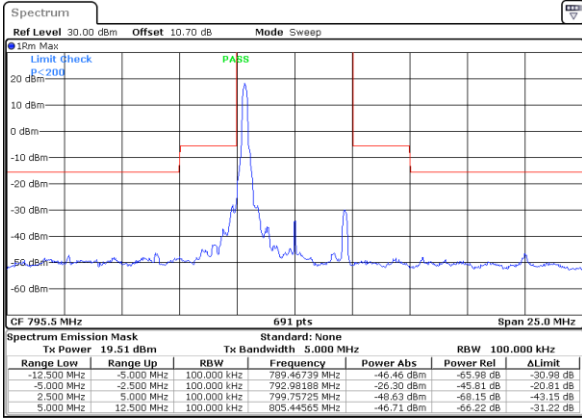
Highest Channel / Full RB



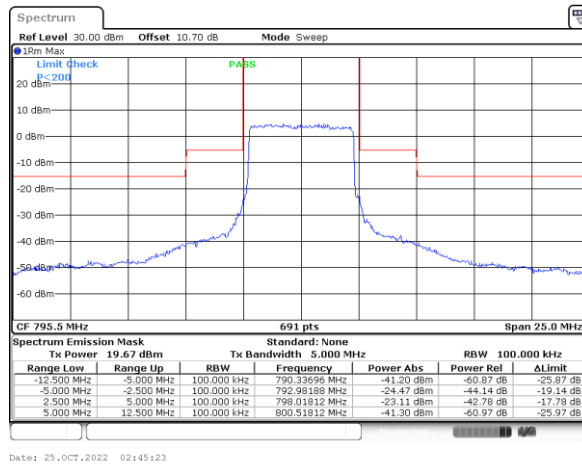


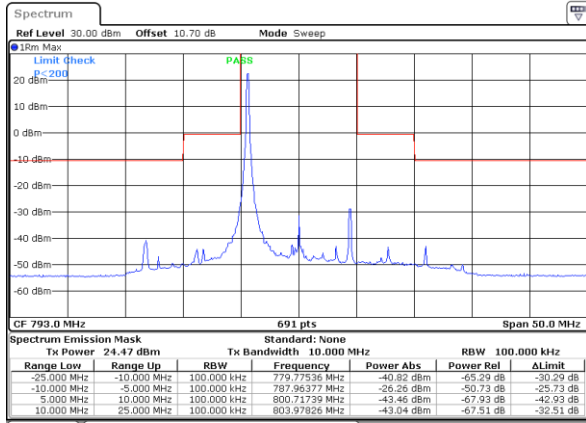
LTE Band 14 / 5MHz / 256QAM

Highest Channel / 1RB

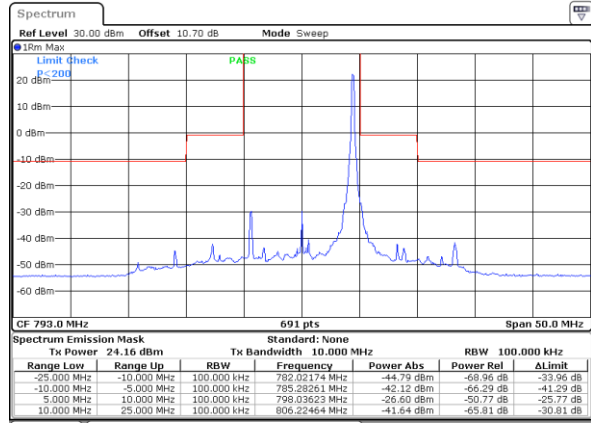


Highest Channel / Full RB

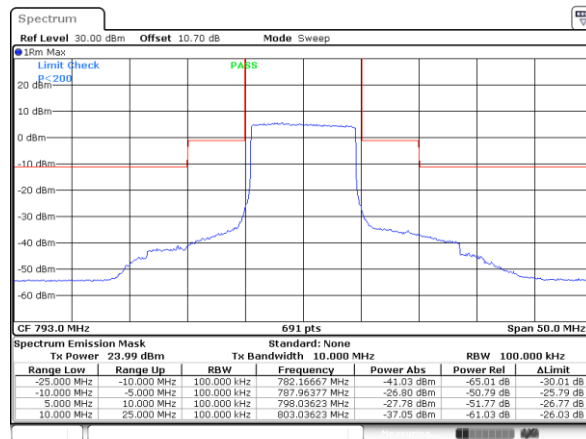


LTE Band 14 / 10MHz / QPSK
Middle Channel / 1RB


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



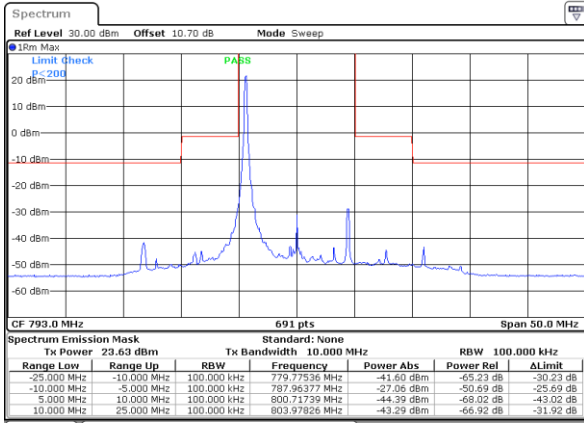
Date: 24.OCT.2022 21:37:58

Middle Channel / Full RB


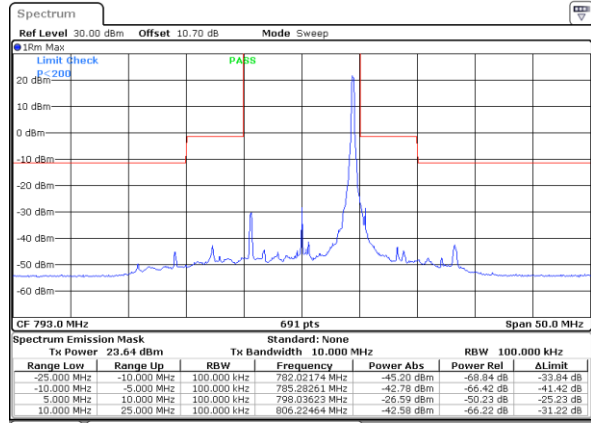
Date: 24.OCT.2022 21:38:48

LTE Band 14 / 10MHz / 16QAM

Middle Channel / 1RB

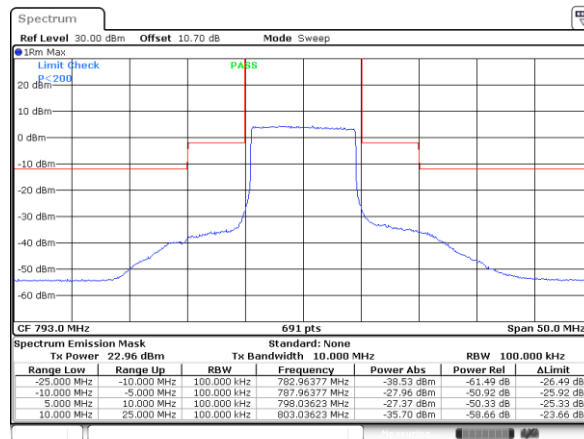


Date: 24.OCT.2022 21:39:39

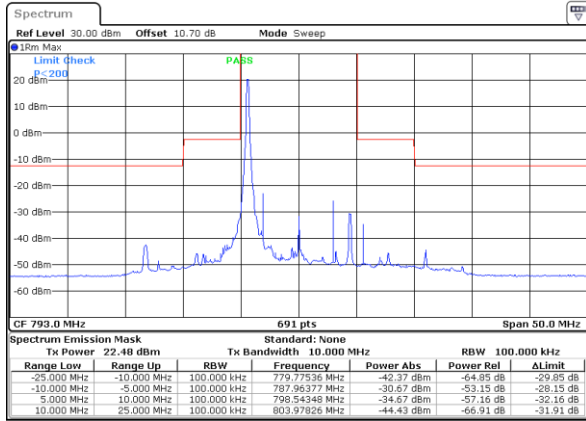


Date: 24.OCT.2022 21:40:30

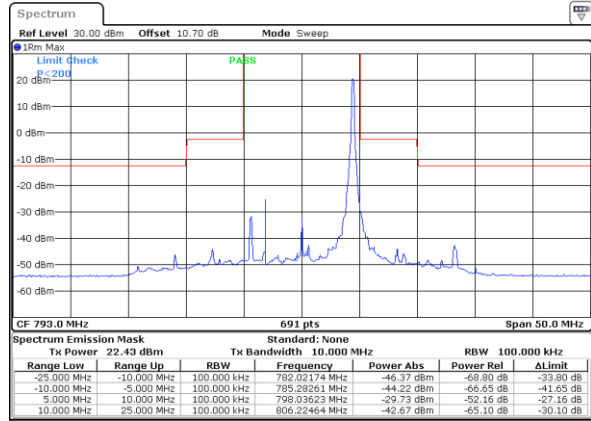
Middle Channel / Full RB



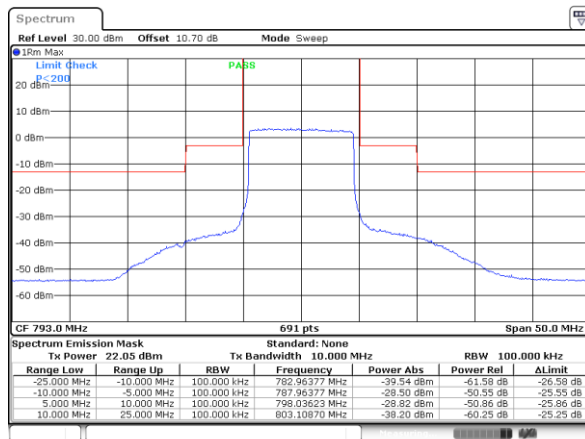
Date: 24.OCT.2022 21:41:20

LTE Band 14 / 10MHz / 64QAM
Middle Channel / 1RB


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



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

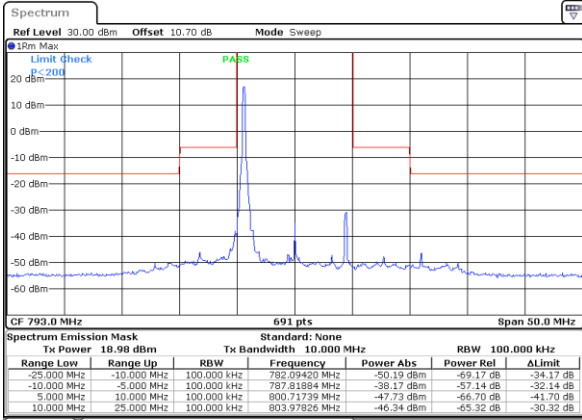
Middle Channel / Full RB


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

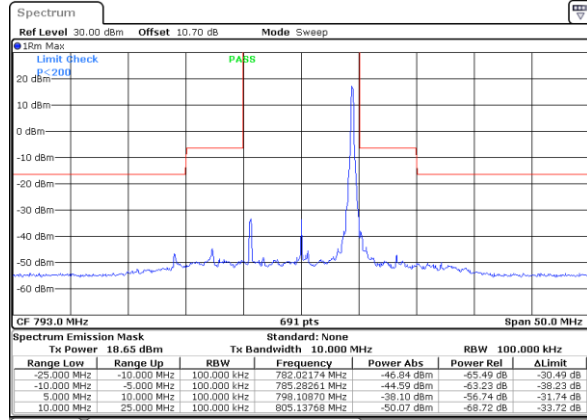


LTE Band 14 / 10MHz / 256QAM

Middle Channel / 1RB

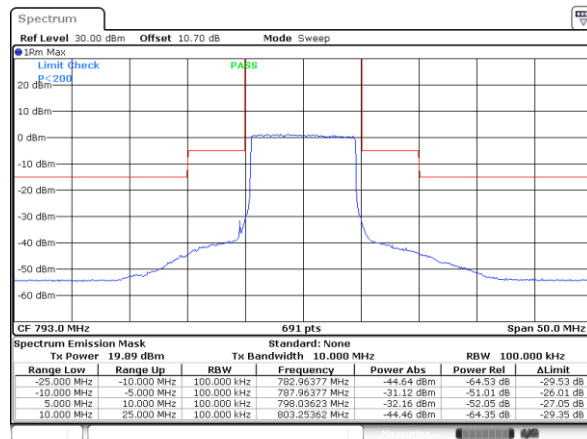


Date: 25.OCT.2022 02:51:54



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

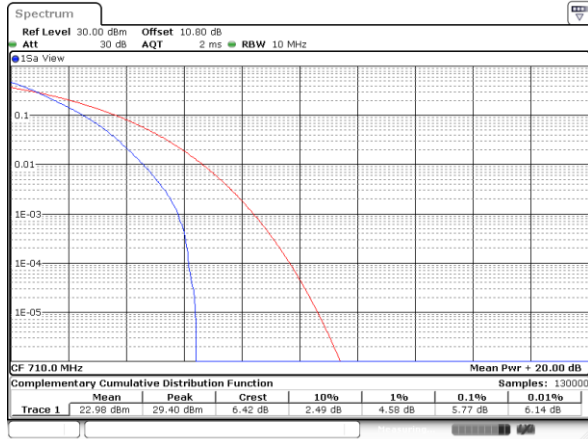
Peak-to-Average Ratio

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	PASS



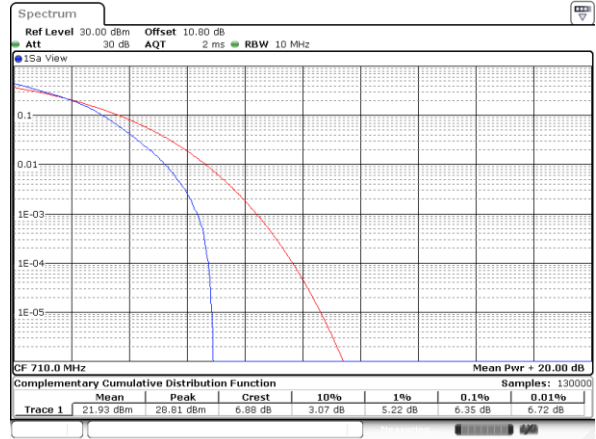
LTE Band 17 / 10MHz / QPSK

Middle Channel / Full RB



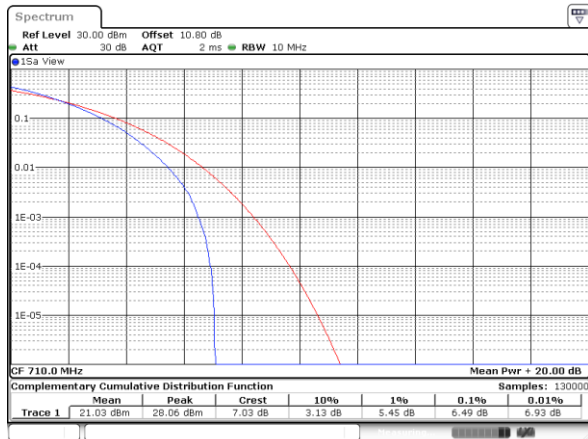
LTE Band 17 / 10MHz / 16QAM

Middle Channel / Full RB



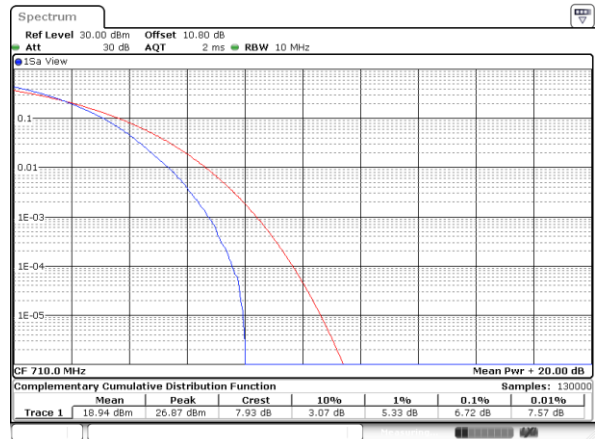
LTE Band 17 / 10MHz / 64QAM

Middle Channel / Full RB



LTE Band 17 / 10MHz / 256QAM

Middle Channel / Full RB



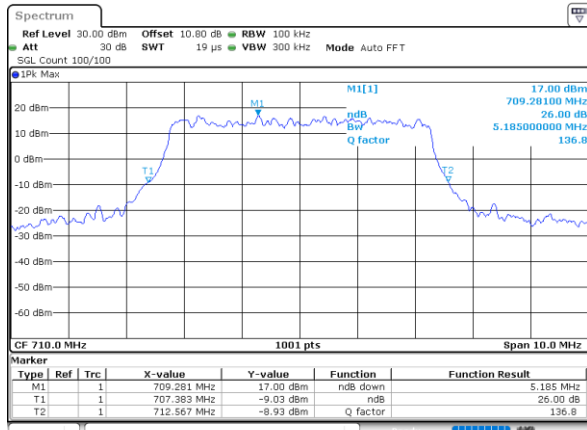
**26dB Bandwidth**

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	-	-	-	-



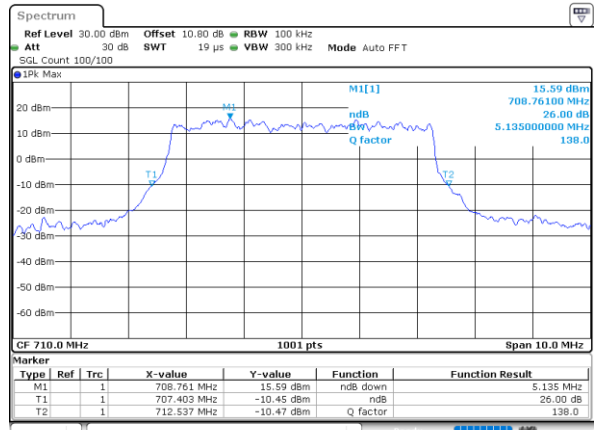
LTE Band 17

Middle Channel / 5MHz / QPSK



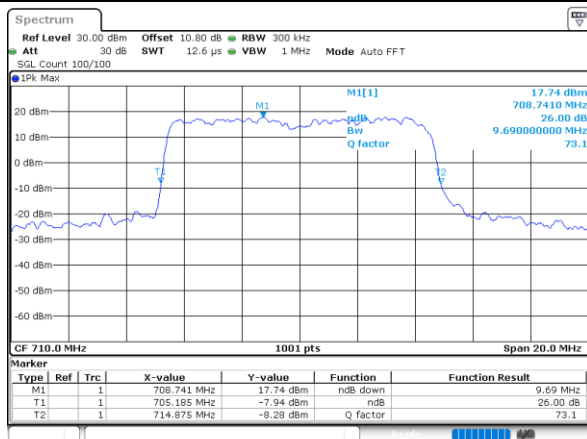
Date: 14.OCT.2022 04:44:53

Middle Channel / 5MHz / 16QAM



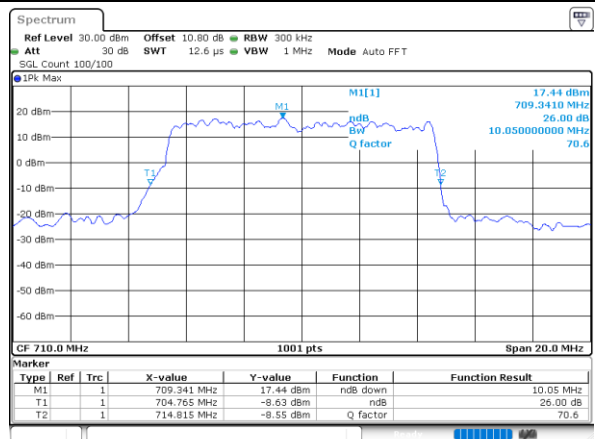
Date: 14.OCT.2022 04:45:19

Middle Channel / 10MHz / QPSK



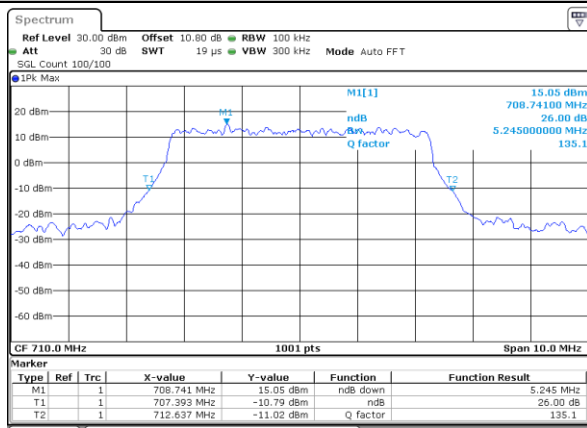
Date: 14.OCT.2022 04:58:42

Middle Channel / 10MHz / 16QAM



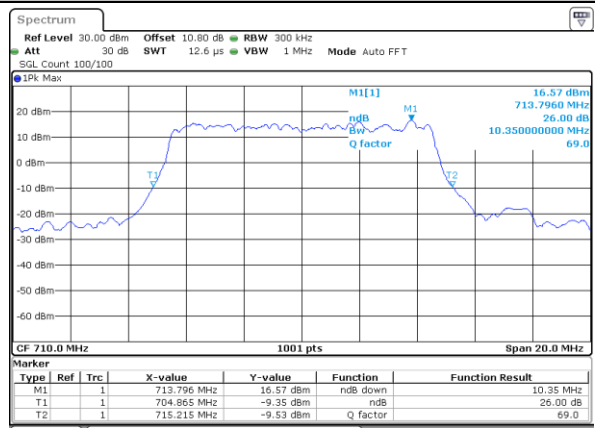
Date: 14.OCT.2022 04:59:08

Middle Channel / 5MHz / 64QAM



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

Middle Channel / 10MHz / 64QAM

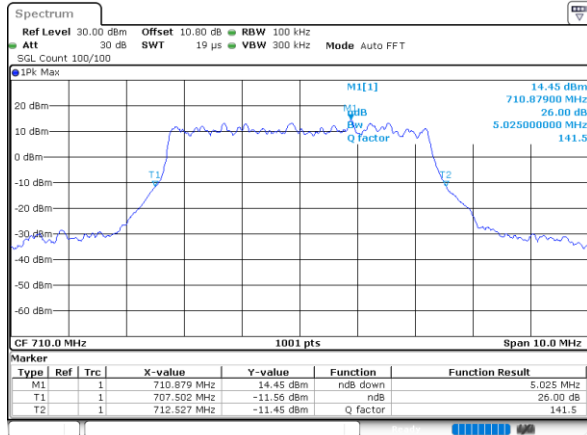


Date: 14.OCT.2022 05:12:29

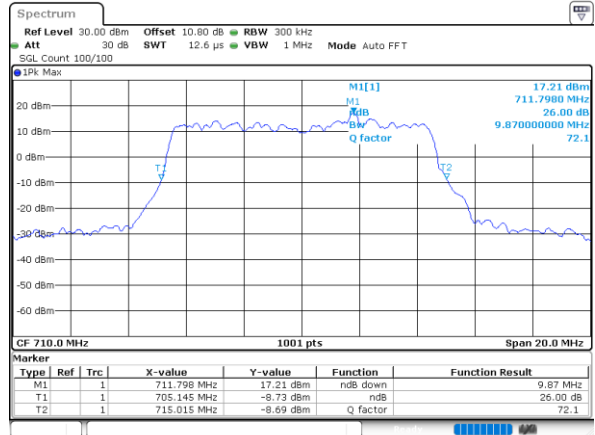


LTE Band 17

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



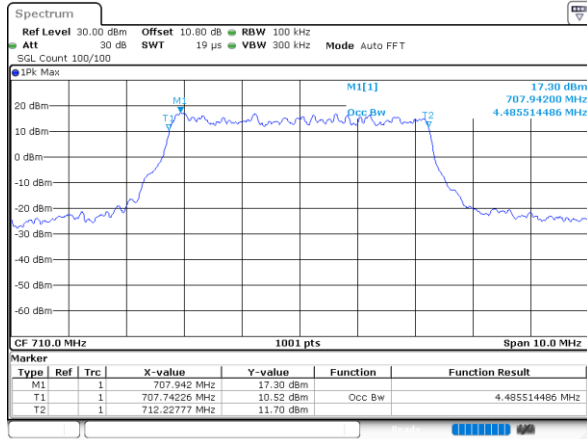
**Occupied Bandwidth**

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	-	-	-	-

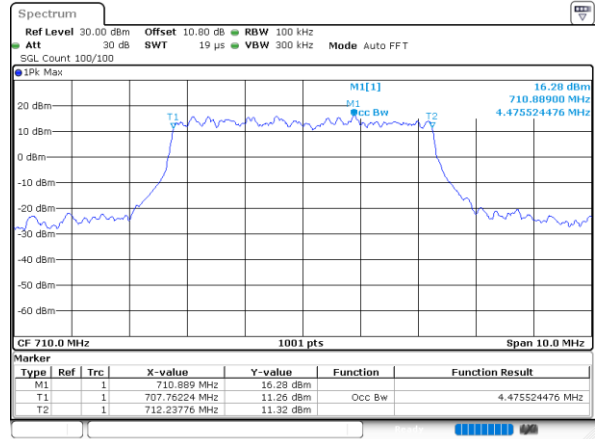


LTE Band 17

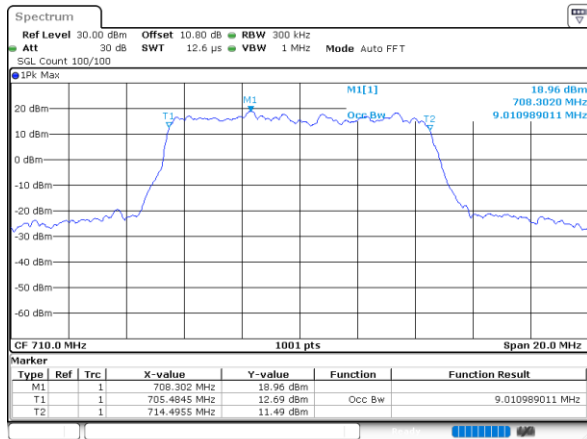
Middle Channel / 5MHz / QPSK



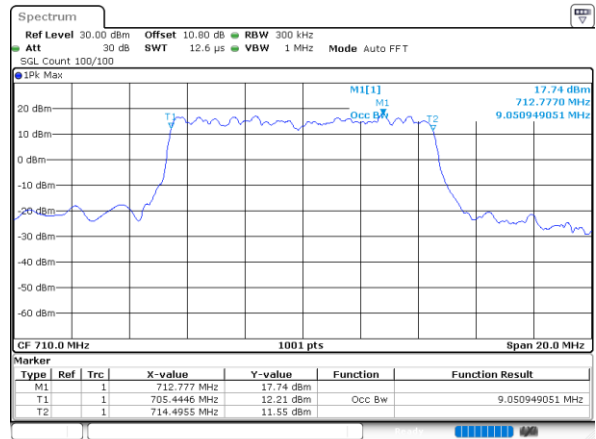
Middle Channel / 5MHz / 16QAM



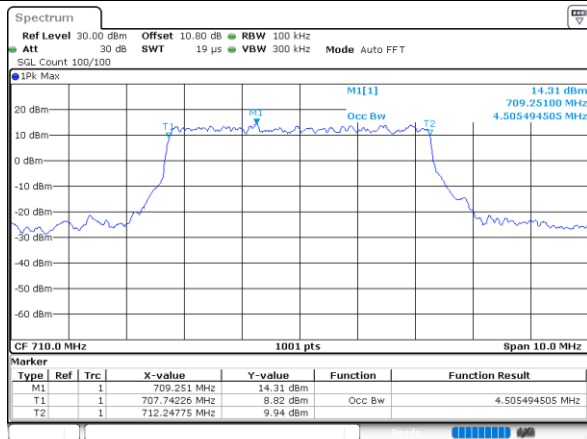
Middle Channel / 10MHz / QPSK



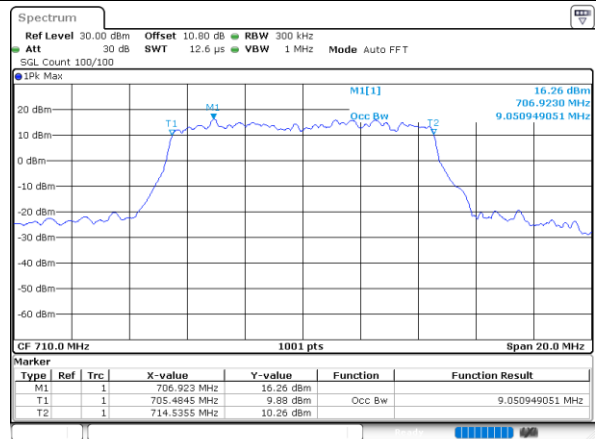
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



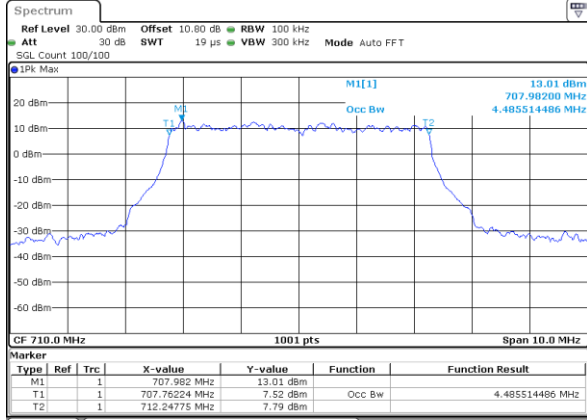
Middle Channel / 10MHz / 64QAM





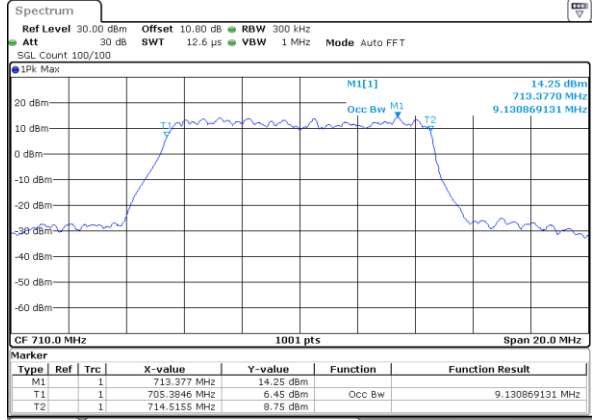
LTE Band 17

Middle Channel / 5MHz / 256QAM



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

Middle Channel / 10MHz / 256QAM



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