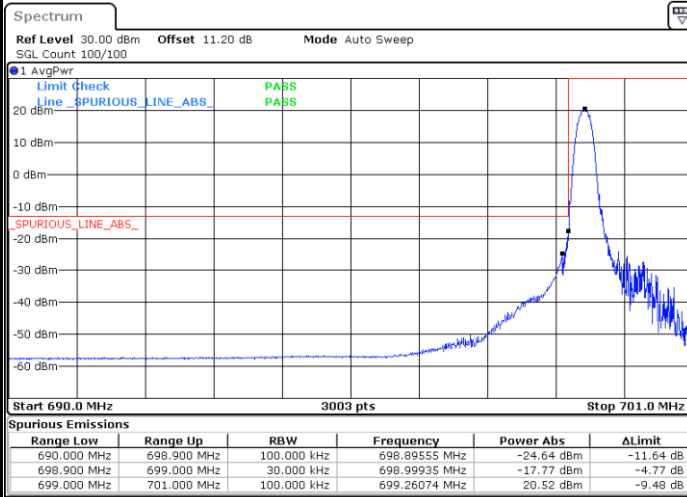




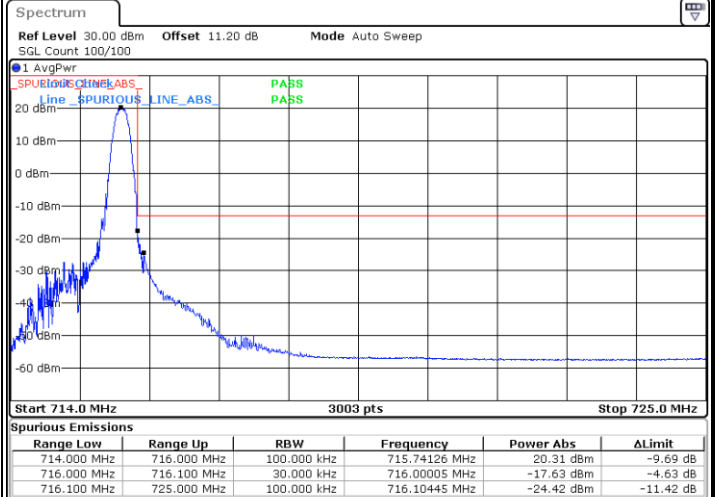
LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



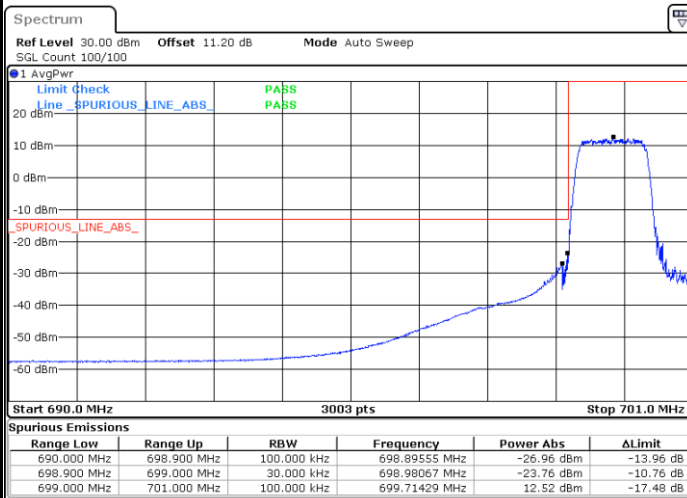
Date: 28.MAY.2024 01:13:34

Highest Band Edge / 1 RB



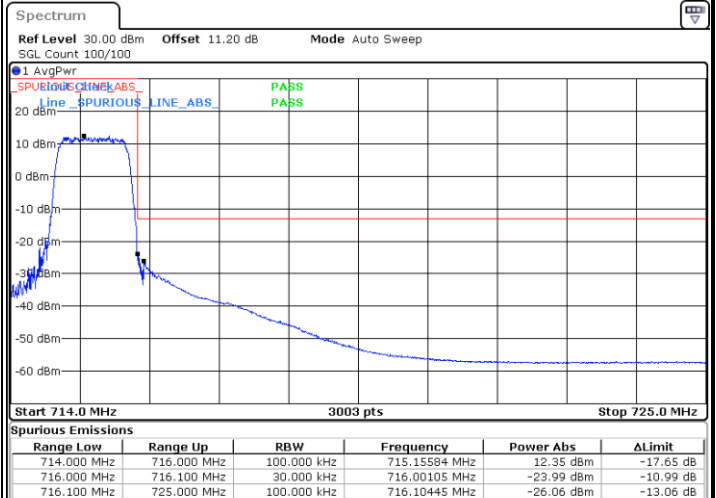
Date: 28.MAY.2024 01:20:54

Lowest Band Edge / Full RB



Date: 28.MAY.2024 01:17:14

Highest Band Edge / Full RB

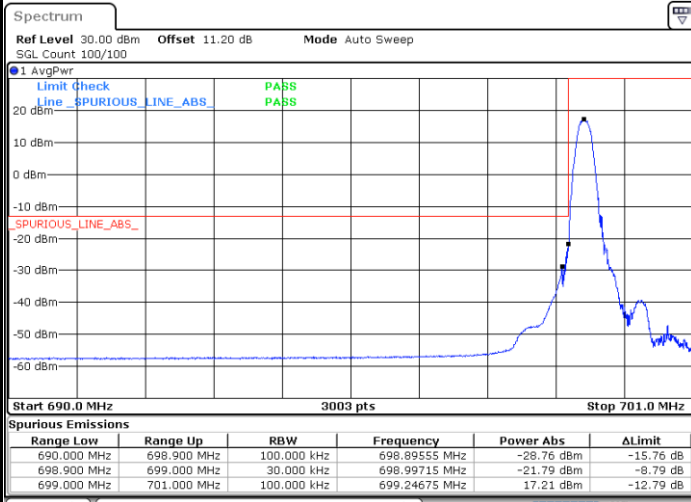


Date: 28.MAY.2024 01:24:33



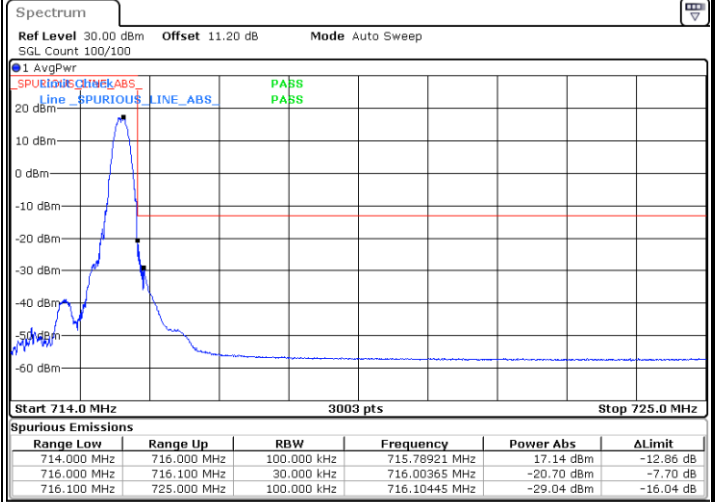
LTE Band 12 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



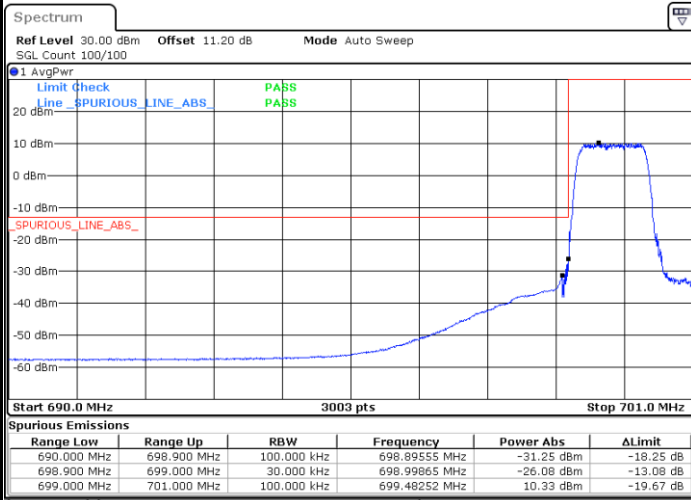
Date: 28.MAY.2024 01:14:29

Highest Band Edge / 1 RB



Date: 28.MAY.2024 01:21:48

Lowest Band Edge / Full RB



Date: 28.MAY.2024 01:18:08

Highest Band Edge / Full RB

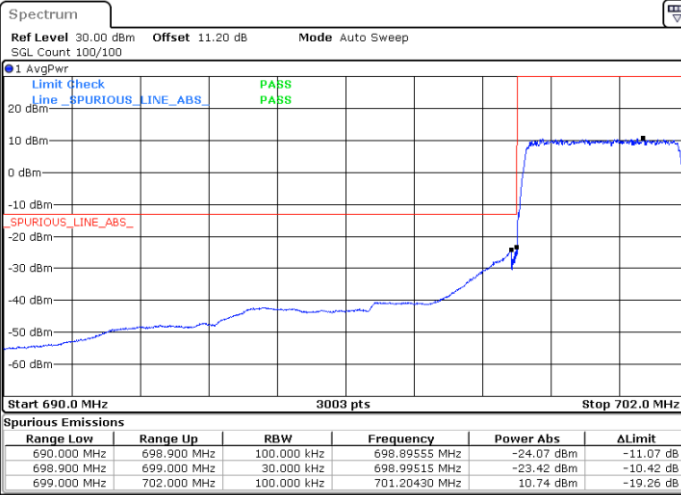


Date: 28.MAY.2024 01:25:27



LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / Full RB



Date: 28.MAY.2024 01:37:40

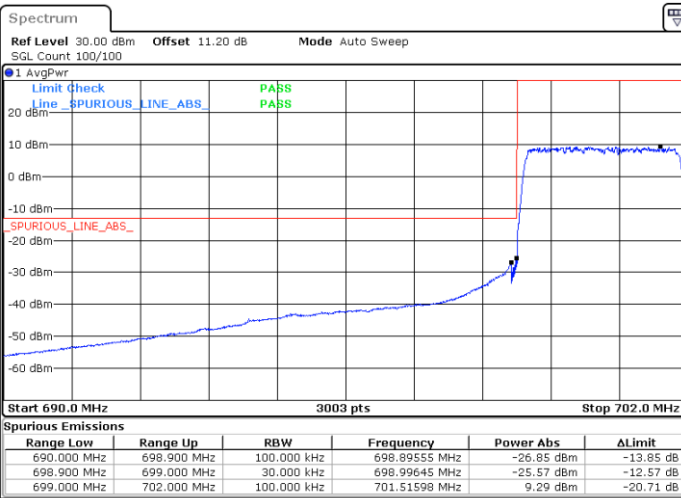
Highest Band Edge / Full RB



Date: 28.MAY.2024 01:44:59

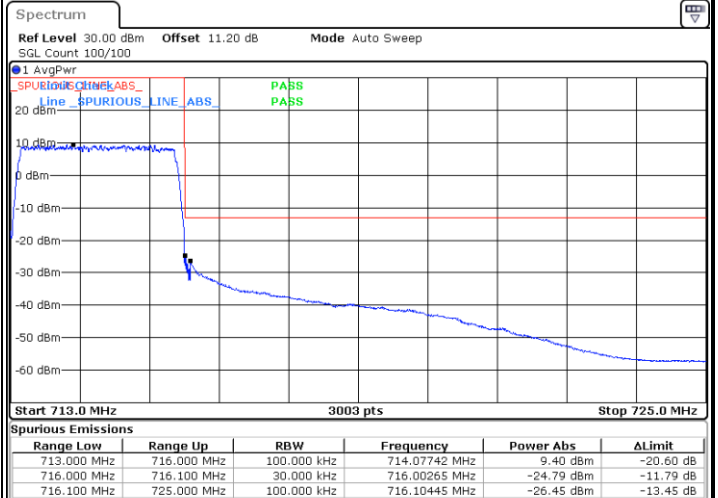
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / Full RB



Date: 28.MAY.2024 01:38:34

Highest Band Edge / Full RB

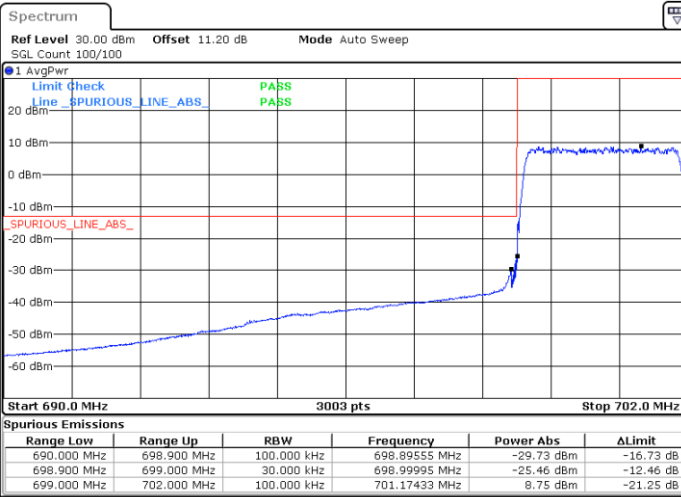


Date: 28.MAY.2024 01:45:53



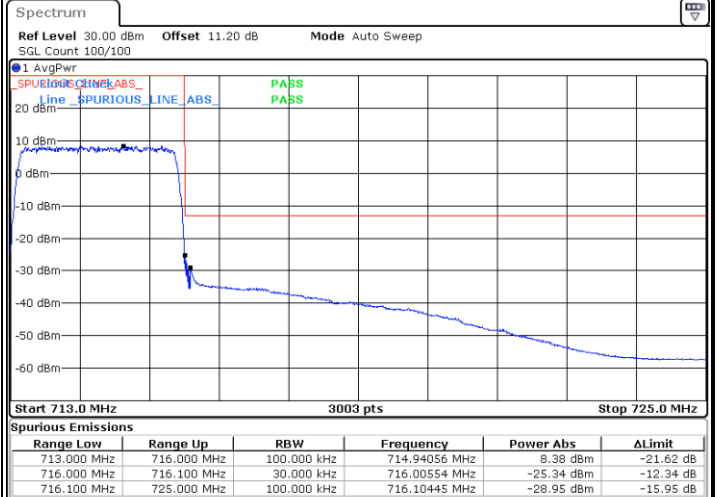
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / Full RB



Date: 28.MAY.2024 01:39:28

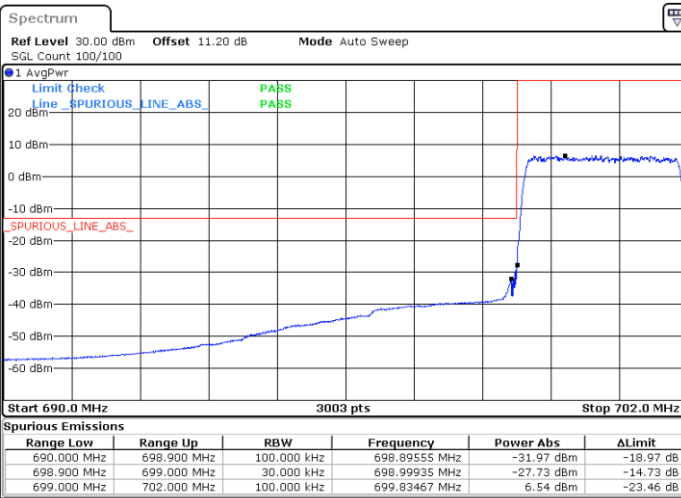
Highest Band Edge / Full RB



Date: 28.MAY.2024 01:46:47

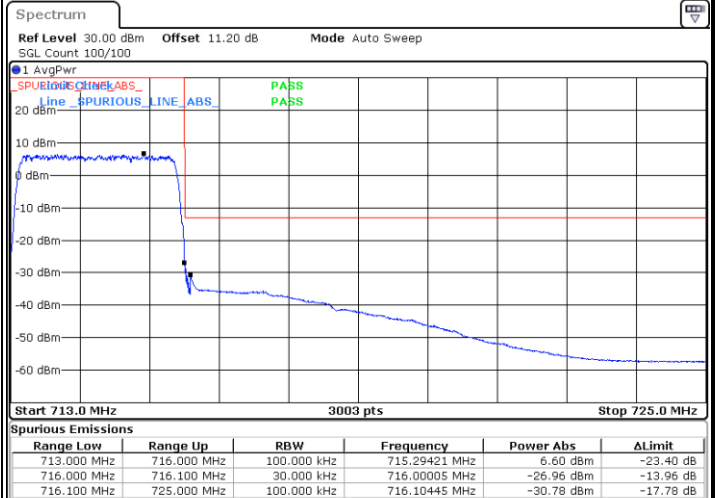
LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / Full RB



Date: 28.MAY.2024 01:40:23

Highest Band Edge / Full RB

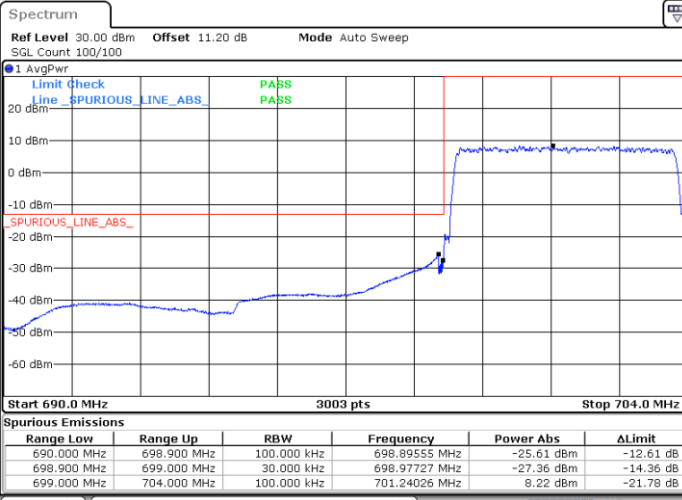


Date: 28.MAY.2024 01:47:41



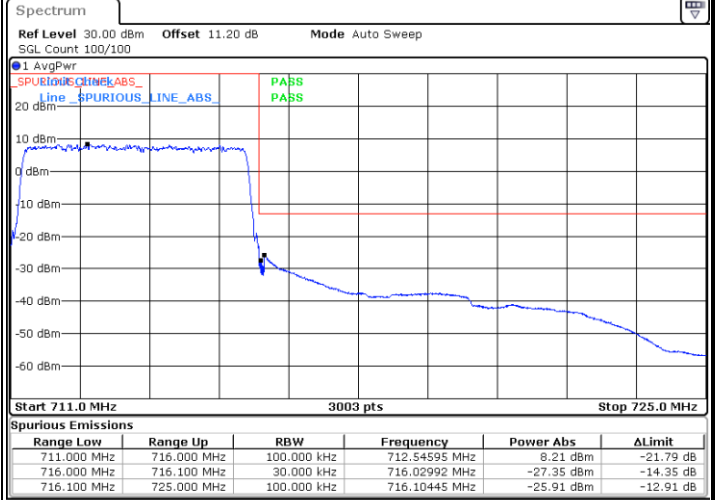
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / Full RB



Date: 28.MAY.2024 01:59:55

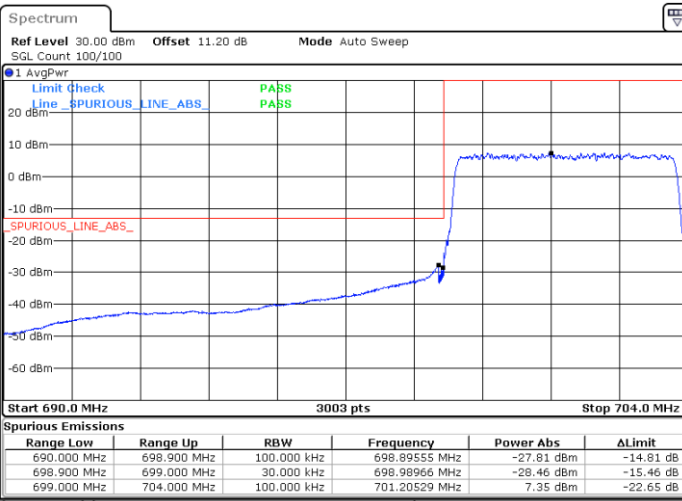
Highest Band Edge / Full RB



Date: 28.MAY.2024 02:07:14

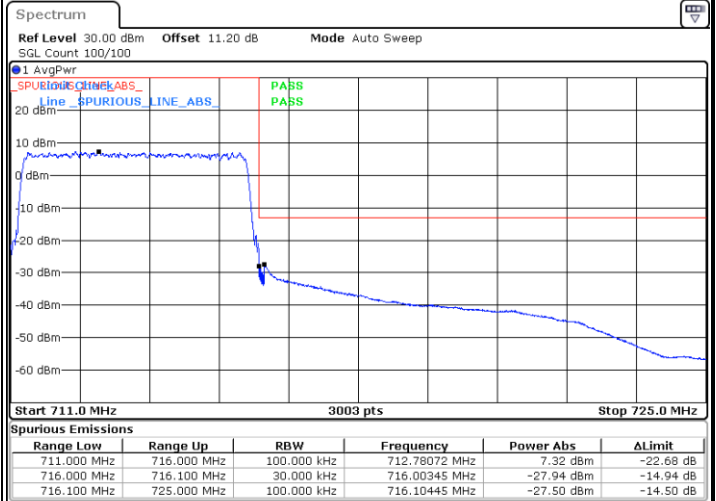
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / Full RB



Date: 28.MAY.2024 02:00:49

Highest Band Edge / Full RB

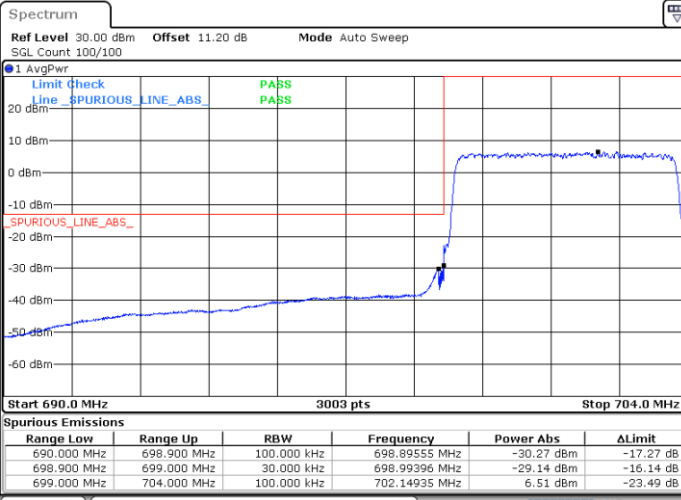


Date: 28.MAY.2024 02:08:08



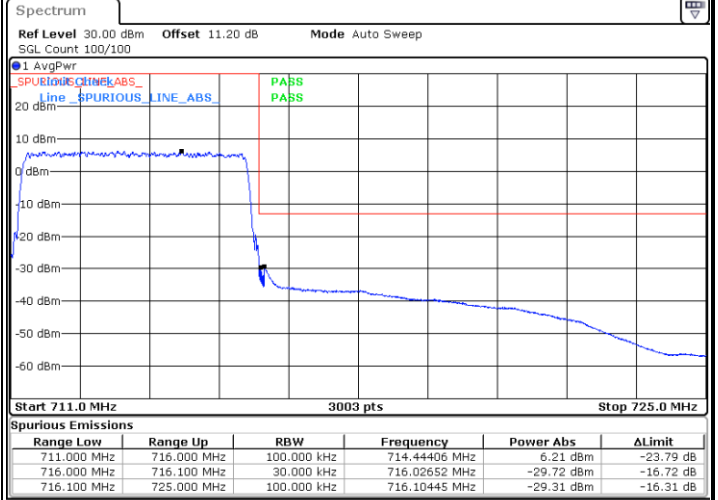
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / Full RB



Date: 28.MAY.2024 02:01:43

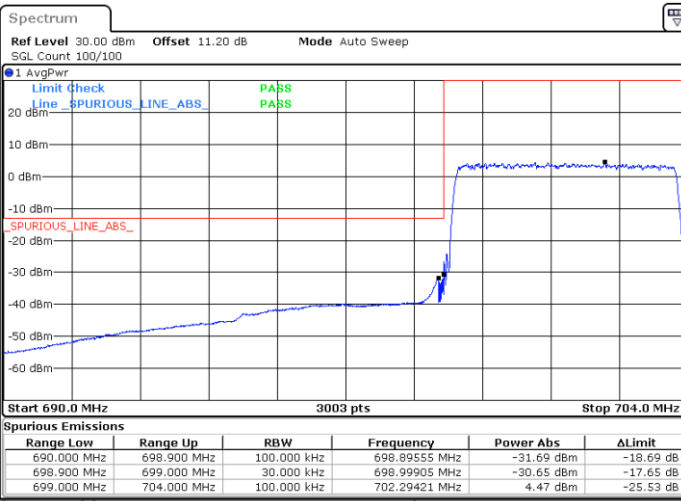
Highest Band Edge / Full RB



Date: 28.MAY.2024 02:09:02

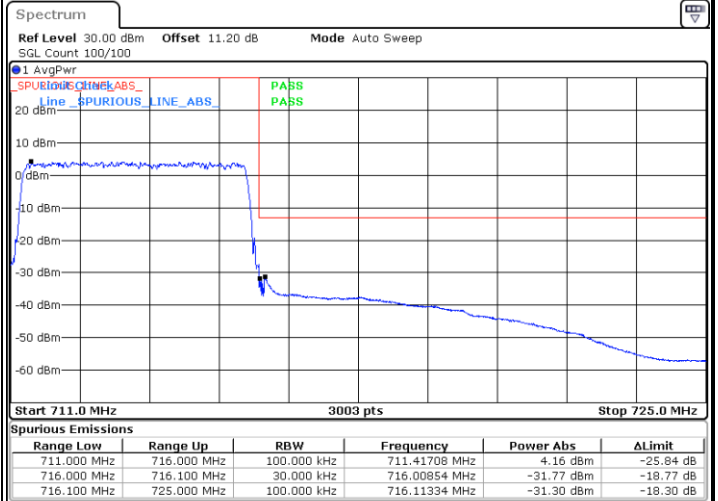
LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / Full RB



Date: 28.MAY.2024 02:02:37

Highest Band Edge / Full RB

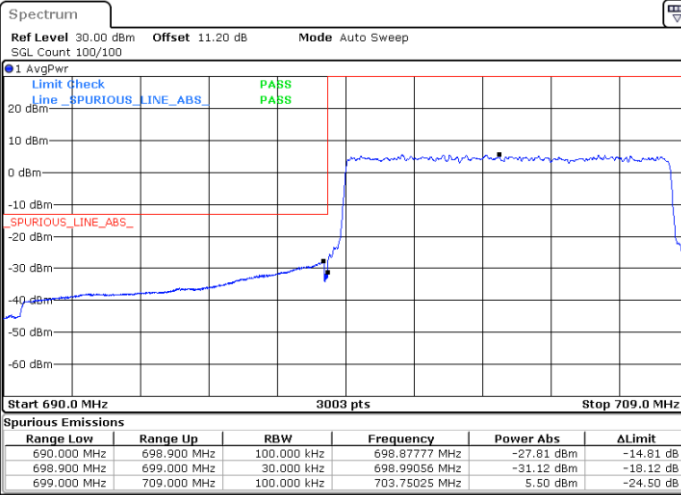


Date: 28.MAY.2024 02:09:56



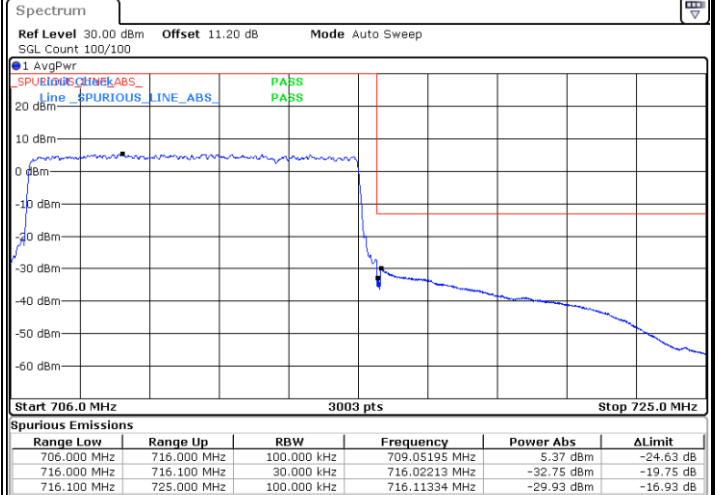
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 28.MAY.2024 02:22:09

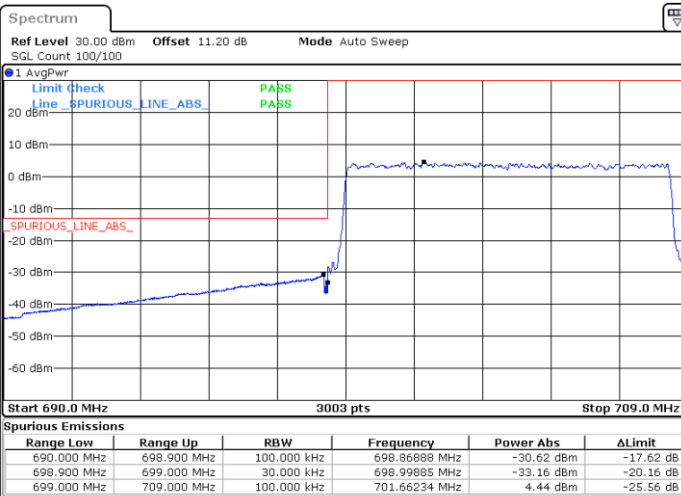
Highest Band Edge / Full RB



Date: 28.MAY.2024 02:29:28

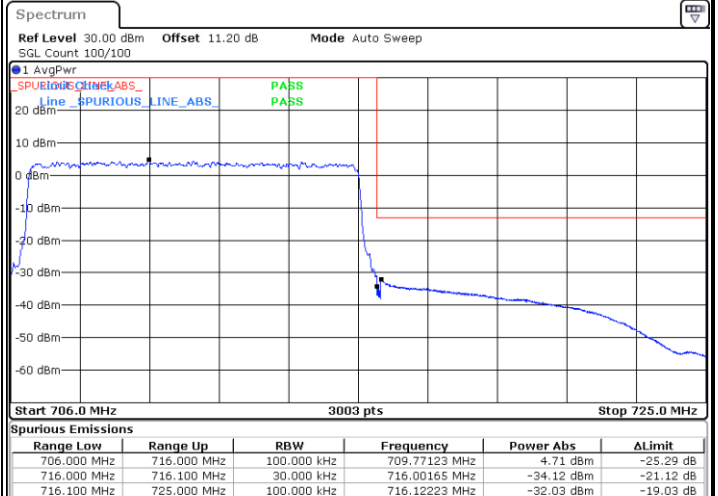
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 28.MAY.2024 02:23:03

Highest Band Edge / Full RB

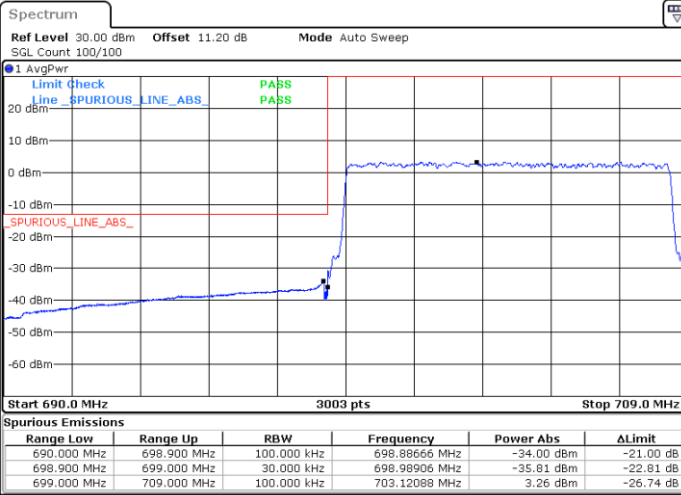


Date: 28.MAY.2024 02:30:22



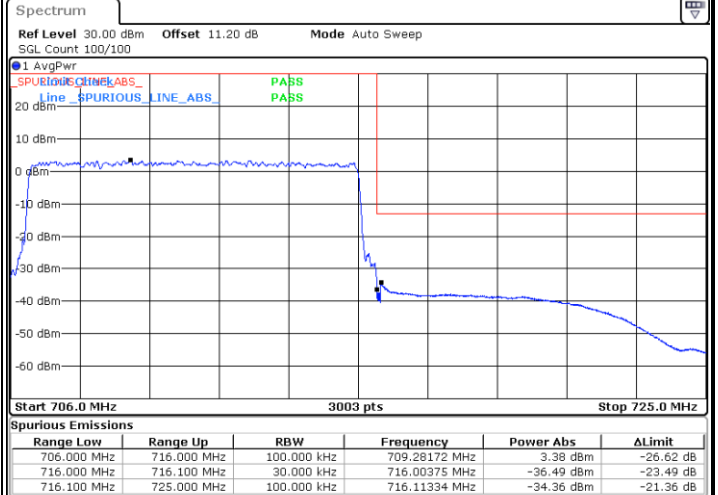
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 28.MAY.2024 02:23:57

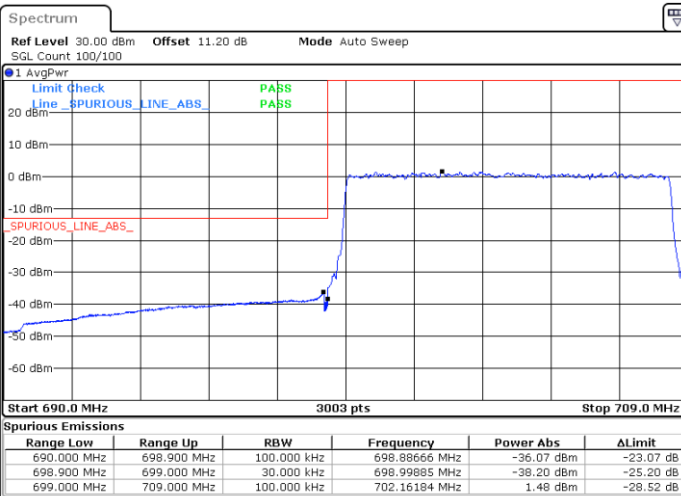
Highest Band Edge / Full RB



Date: 28.MAY.2024 02:31:16

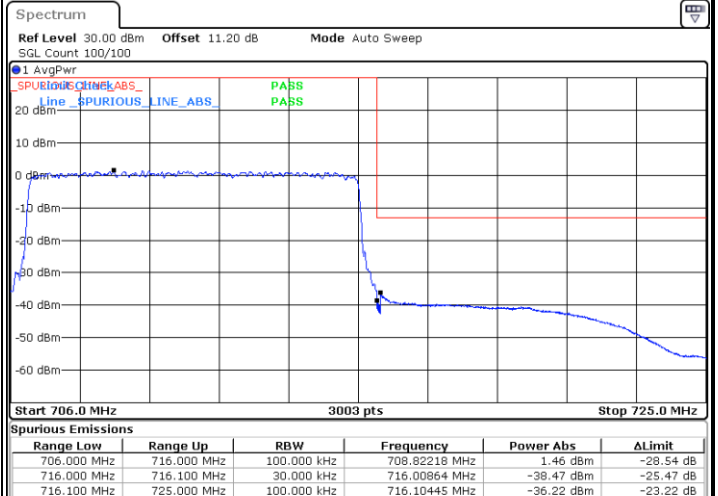
LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 28.MAY.2024 02:24:51

Highest Band Edge / Full RB



Date: 28.MAY.2024 02:32:10





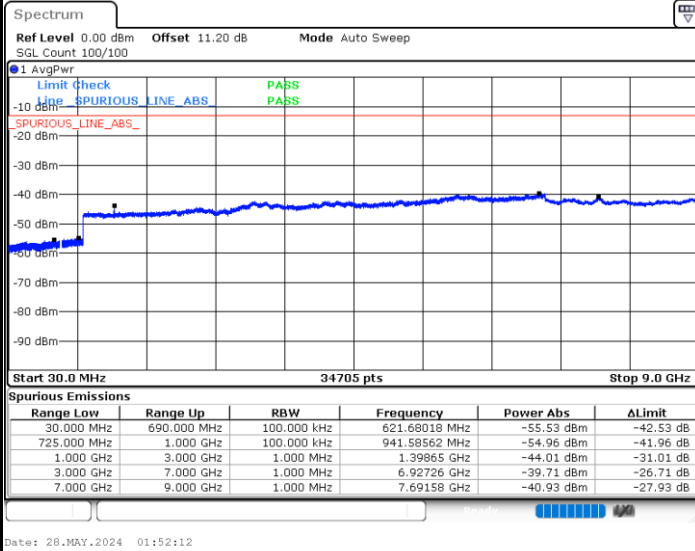
# Conducted Spurious Emission



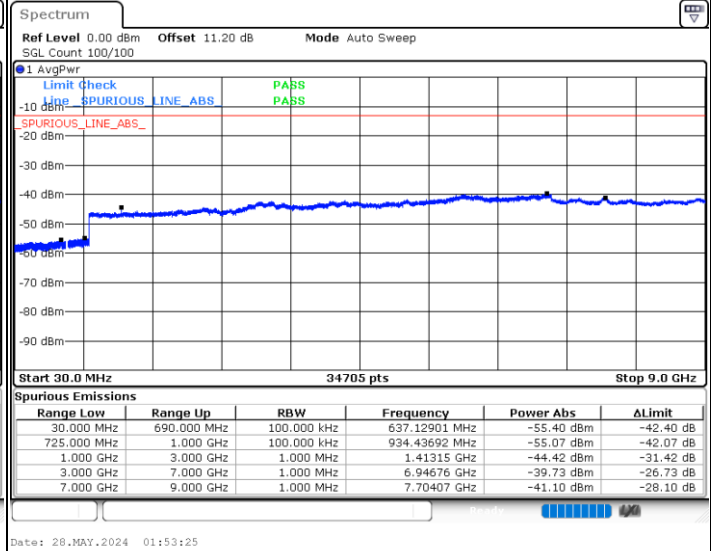


LTE Band 12 / 3MHz

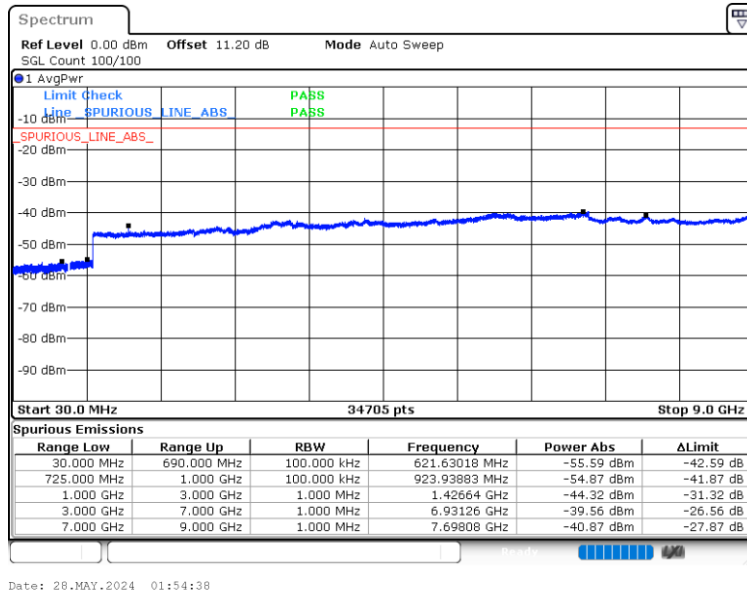
Lowest Channel / QPSK



Middle Channel / QPSK



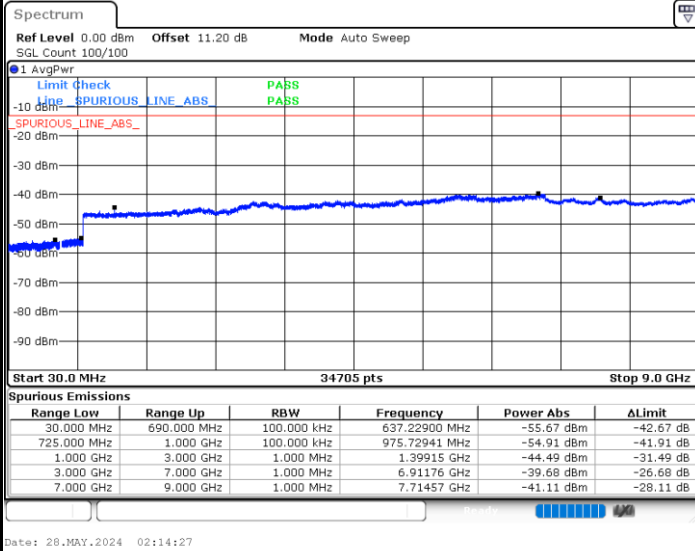
Highest Channel / QPSK



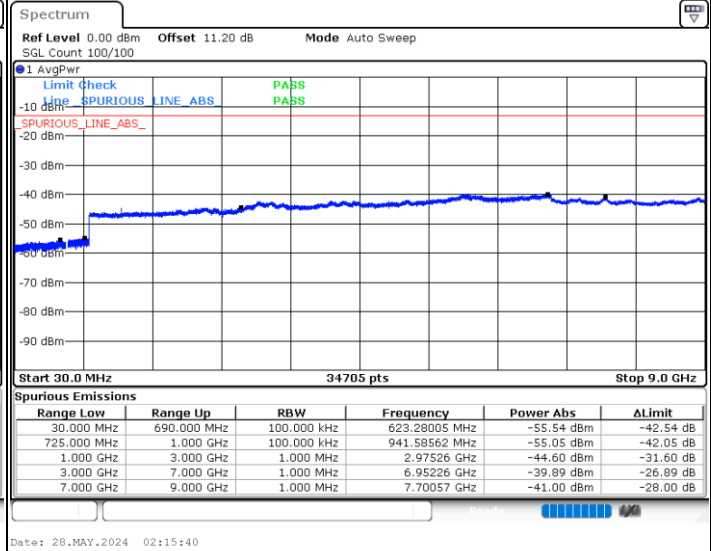


LTE Band 12 / 5MHz

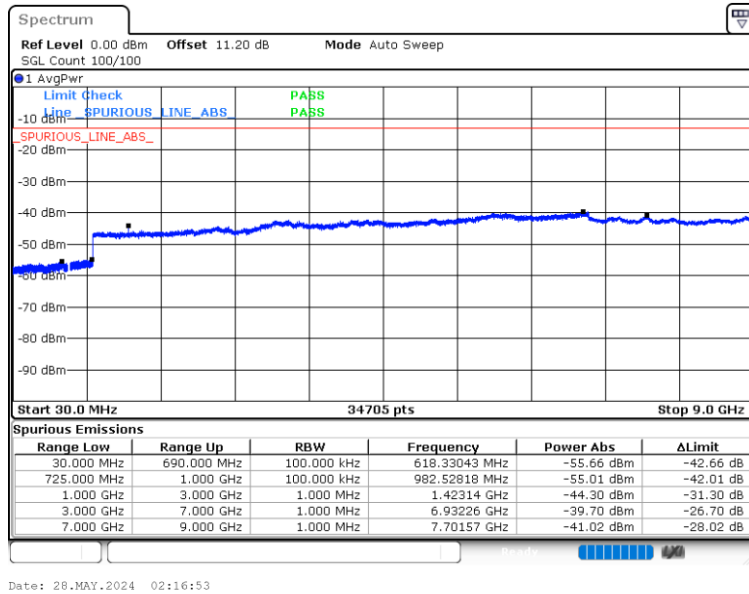
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

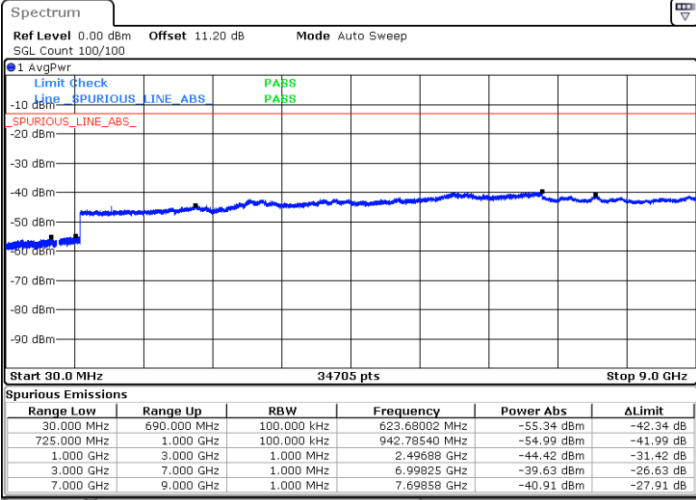




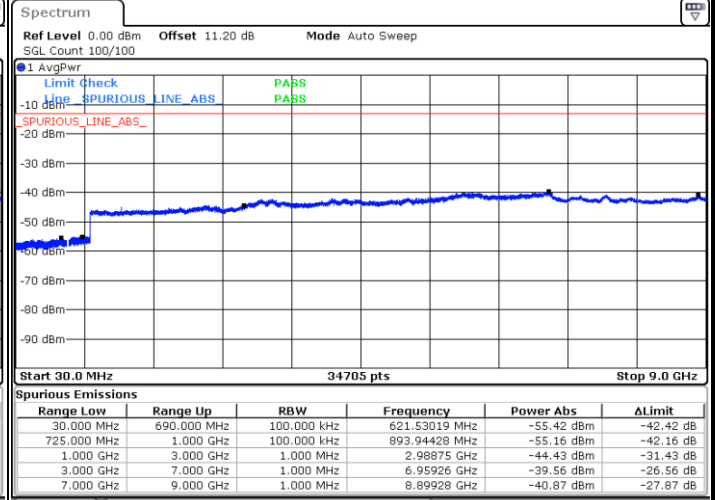
LTE Band 12 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

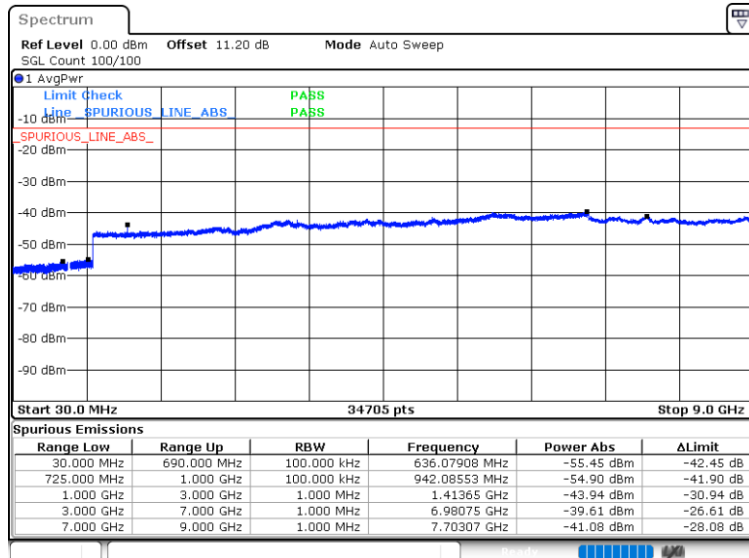


Date: 28.MAY.2024 02:36:41



Date: 28.MAY.2024 02:37:54

Highest Channel / QPSK



Date: 28.MAY.2024 02:39:07



Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0028	PASS
40	Normal Voltage	0.0081	
30	Normal Voltage	0.0141	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0134	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0113	
-20	Normal Voltage	0.0054	
-30	Normal Voltage	0.0119	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0163	

Note:

1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 3.465 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 13

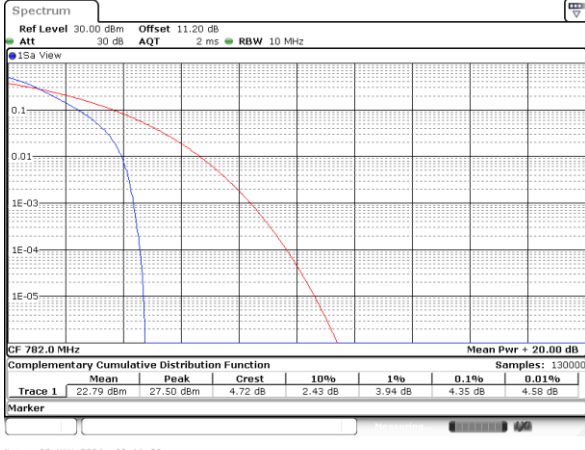
### Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.35	5.54	6.20	6.32	<b>PASS</b>



LTE Band 13 / 10MHz / QPSK

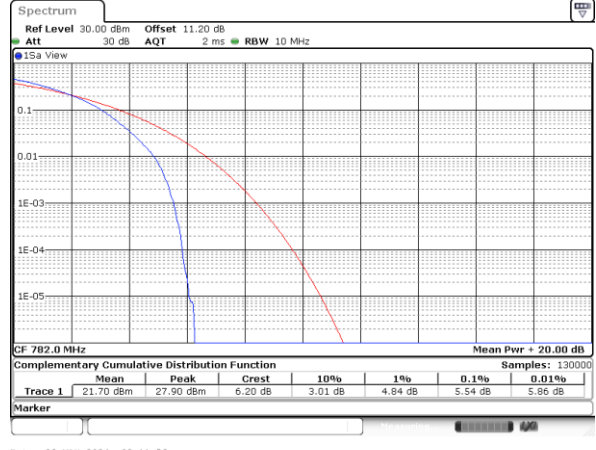
Middle Channel / Full RB



Date: 28\_MAY.2024 03:11:32

LTE Band 13 / 10MHz / 16QAM

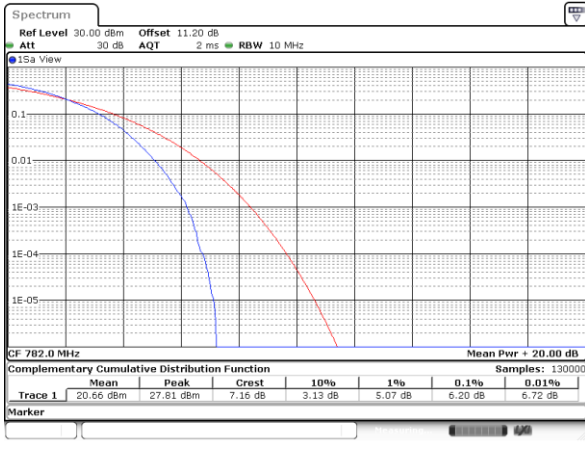
Middle Channel / Full RB



Date: 28\_MAY.2024 03:11:58

LTE Band 13 / 10MHz / 64QAM

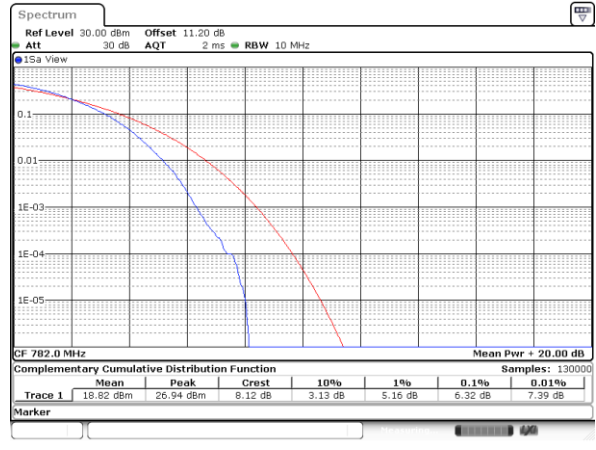
Middle Channel / Full RB



Date: 28\_MAY.2024 03:12:23

LTE Band 13 / 10MHz / 256QAM

Middle Channel / Full RB



Date: 28\_MAY.2024 03:12:49



**26dB Bandwidth**

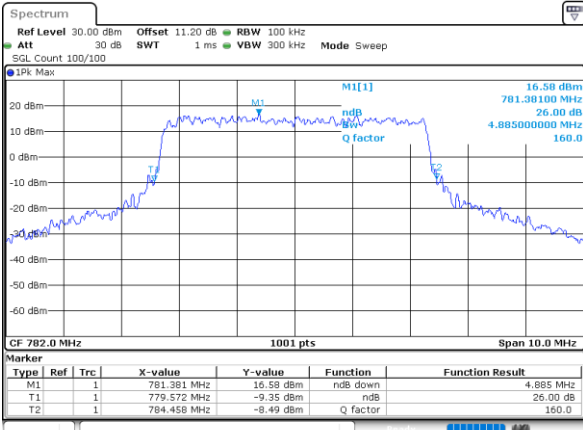
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.88	4.95	9.89	9.71	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.92	5.06	9.83	9.84	-	-	-	-





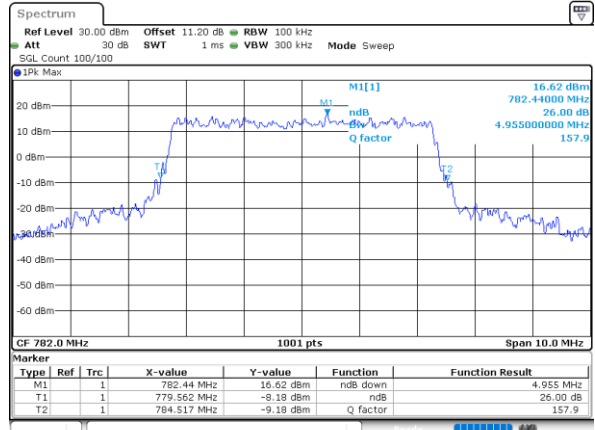
LTE Band 13

Middle Channel / 5MHz / QPSK



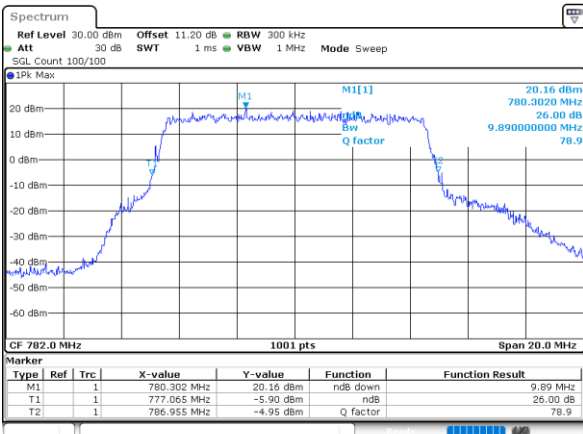
Date: 28.MAY.2024 02:58:13

Middle Channel / 5MHz / 16QAM



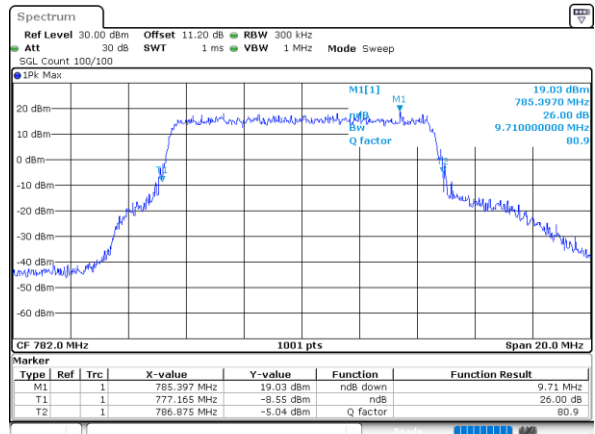
Date: 28.MAY.2024 02:58:38

Middle Channel / 10MHz / QPSK



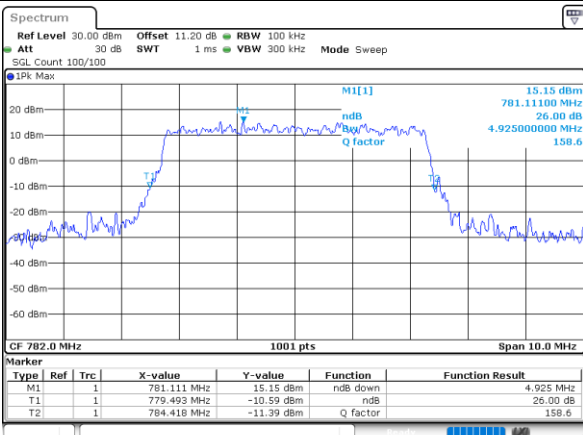
Date: 28.MAY.2024 03:09:52

Middle Channel / 10MHz / 16QAM



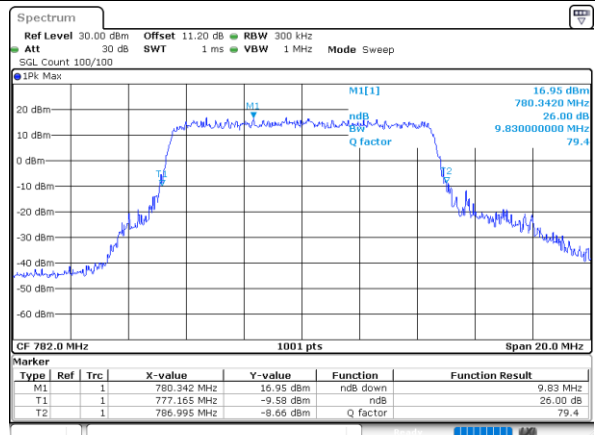
Date: 28.MAY.2024 03:10:17

Middle Channel / 5MHz / 64QAM



Date: 28.MAY.2024 02:59:02

Middle Channel / 10MHz / 64QAM



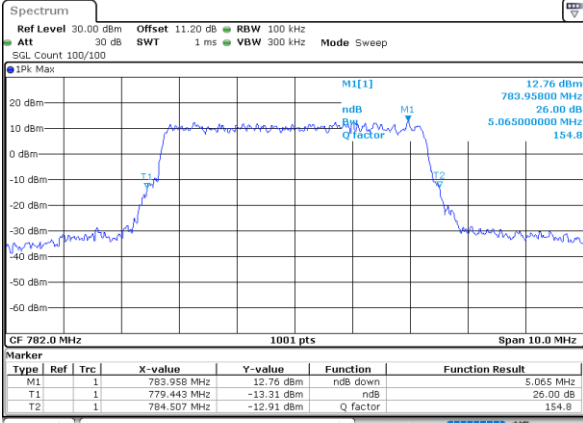
Date: 28.MAY.2024 03:10:42



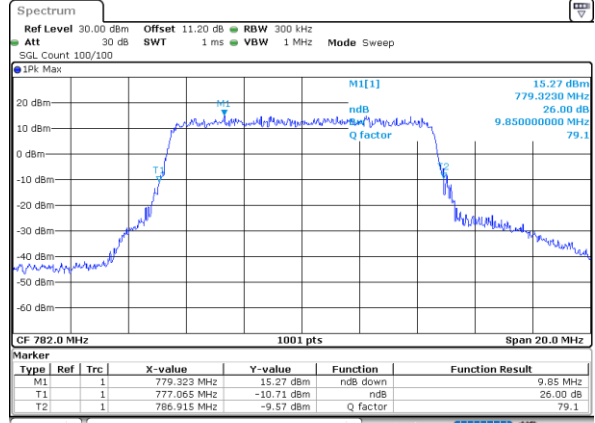
LTE Band 13

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 28.MAY.2024 02:59:27



Date: 28.MAY.2024 03:11:06



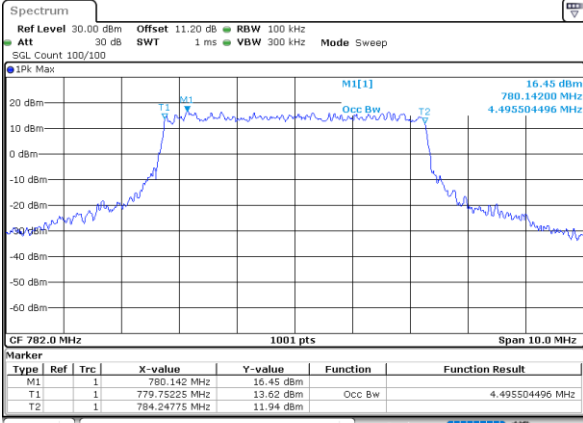
**Occupied Bandwidth**

Mode	LTE Band 13 : 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	4.49	8.99	9.07	-	-	-	-
Mode	LTE Band 13 : 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	-	-	-	-	4.49	4.48	8.99	9.01	-	-	-	-



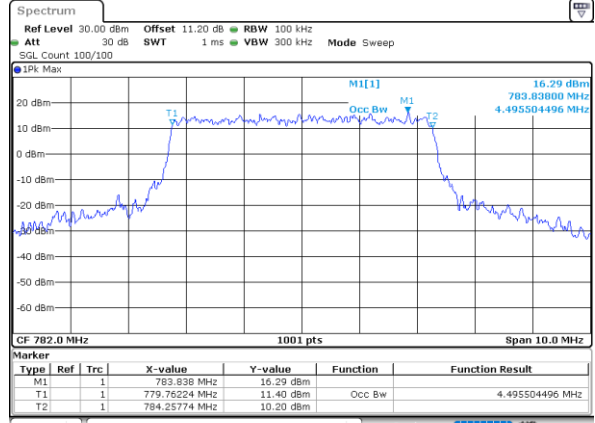
LTE Band 13

Middle Channel / 5MHz / QPSK



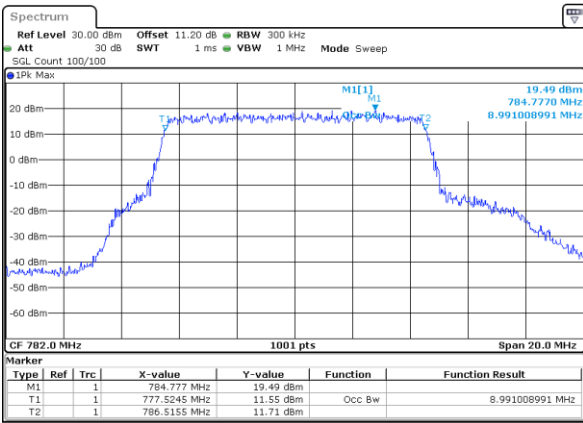
Date: 28.MAY.2024 02:56:35

Middle Channel / 5MHz / 16QAM



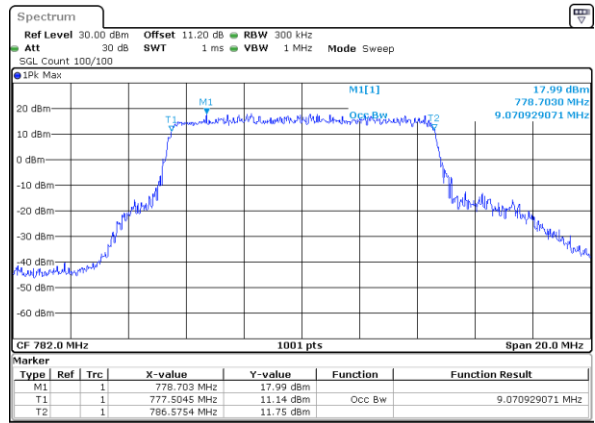
Date: 28.MAY.2024 02:56:59

Middle Channel / 10MHz / QPSK



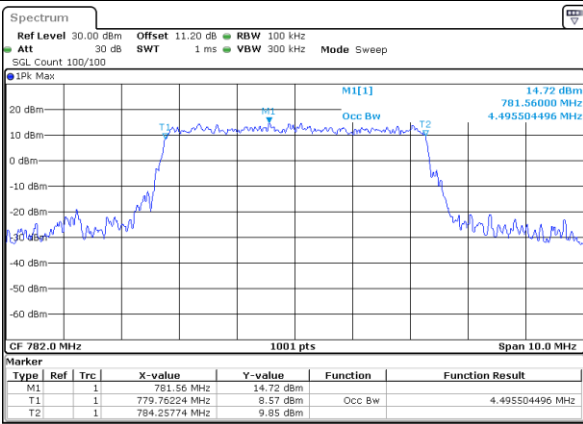
Date: 28.MAY.2024 03:08:14

Middle Channel / 10MHz / 16QAM



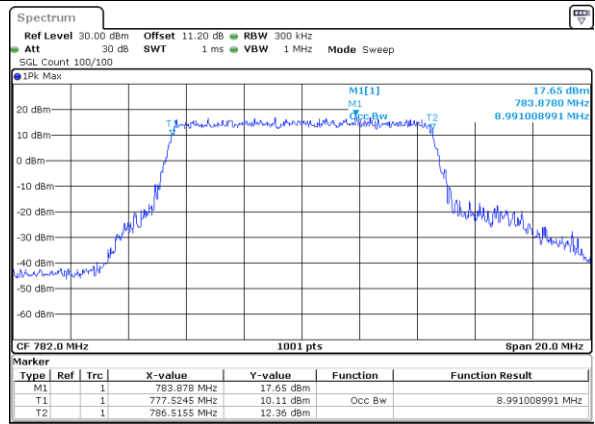
Date: 28.MAY.2024 03:08:39

Middle Channel / 5MHz / 64QAM



Date: 28.MAY.2024 02:57:24

Middle Channel / 10MHz / 64QAM



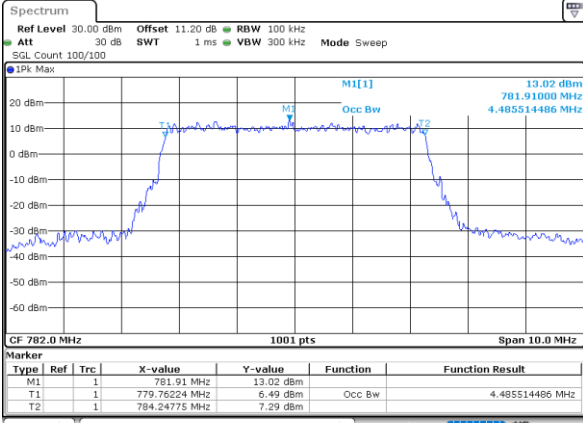
Date: 28.MAY.2024 03:08:03



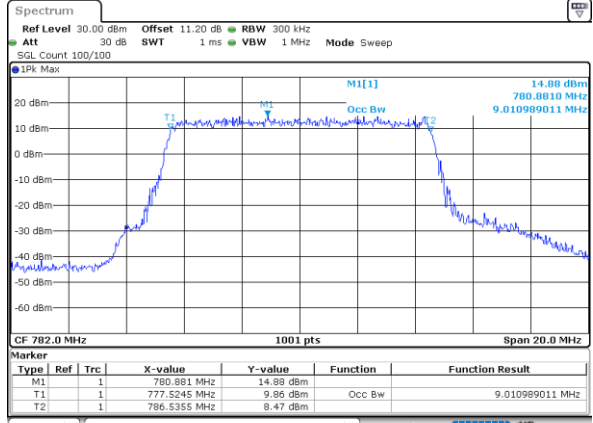
LTE Band 13

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 28.MAY.2024 02:57:49



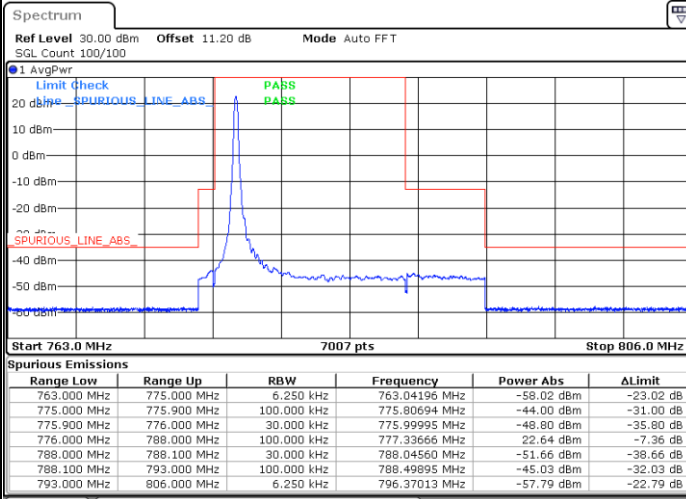
Date: 28.MAY.2024 03:09:28



# Conducted Band Edge

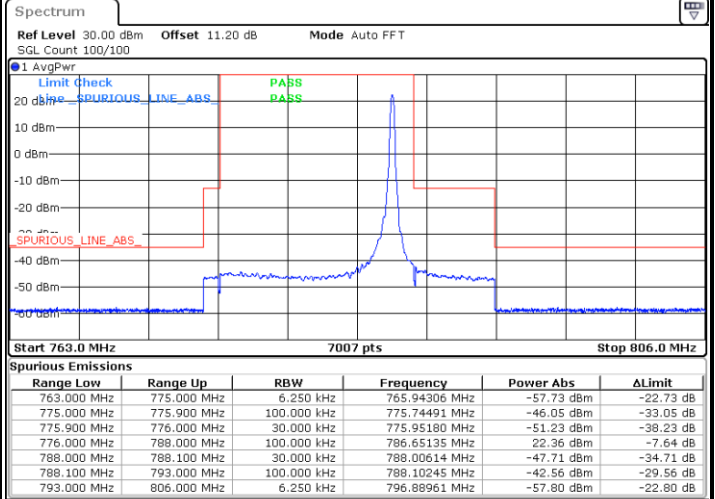
## LTE Band 13 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



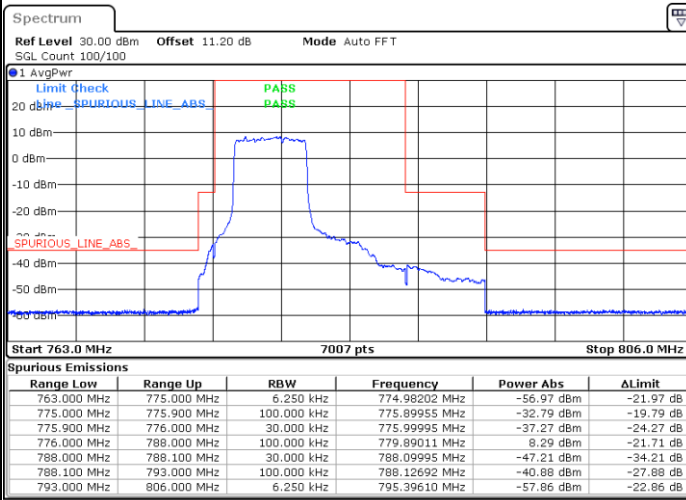
Date: 28.MAY.2024 02:46:07

### Highest Band Edge / 1 RB



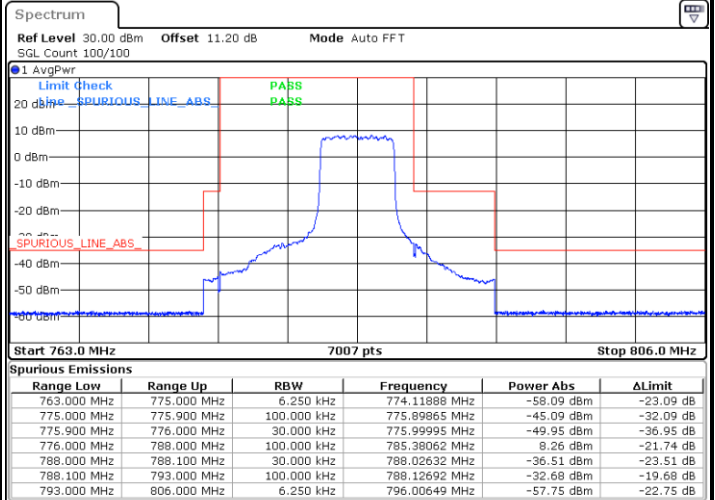
Date: 28.MAY.2024 02:53:27

### Lowest Band Edge / Full RB



Date: 28.MAY.2024 02:42:28

### Highest Band Edge / Full RB



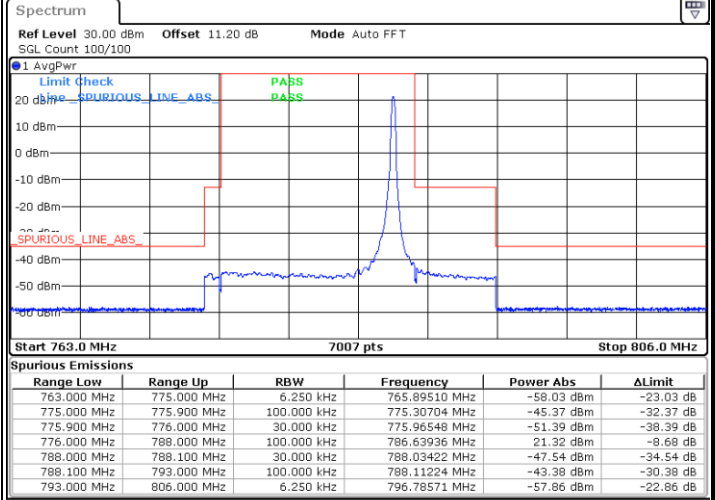
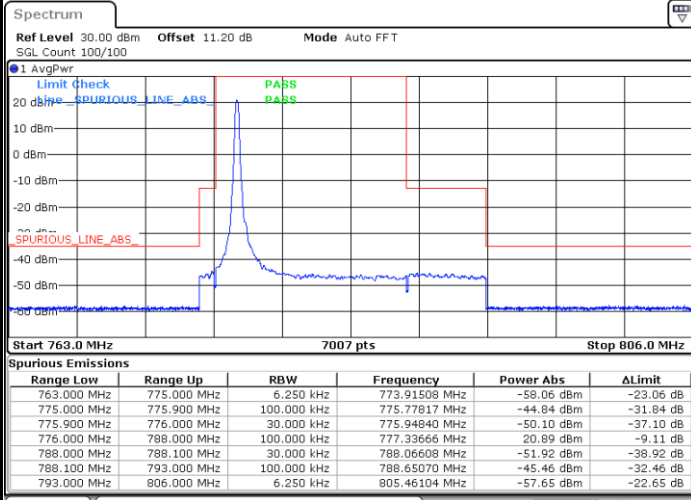
Date: 28.MAY.2024 02:49:47



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

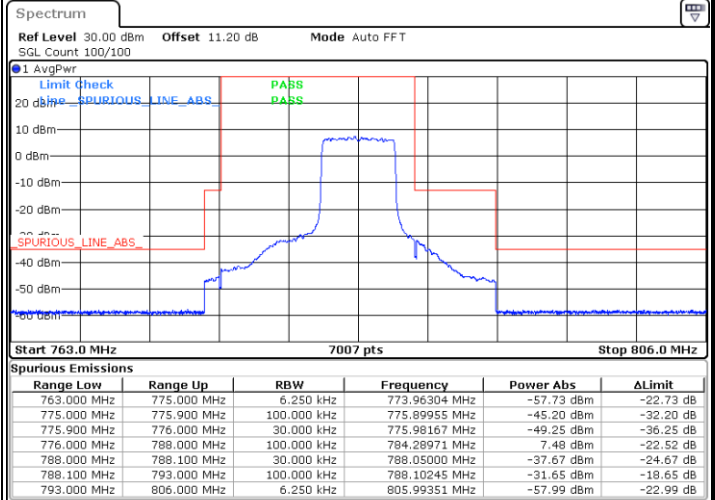
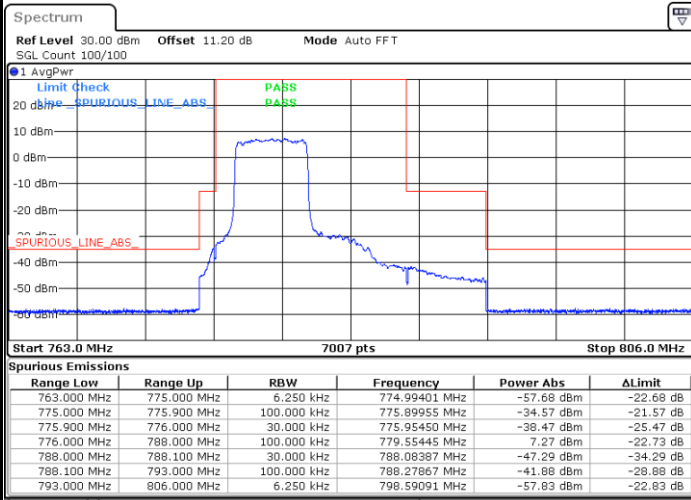


Date: 28.MAY.2024 02:47:02

Date: 28.MAY.2024 02:54:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.MAY.2024 02:43:22

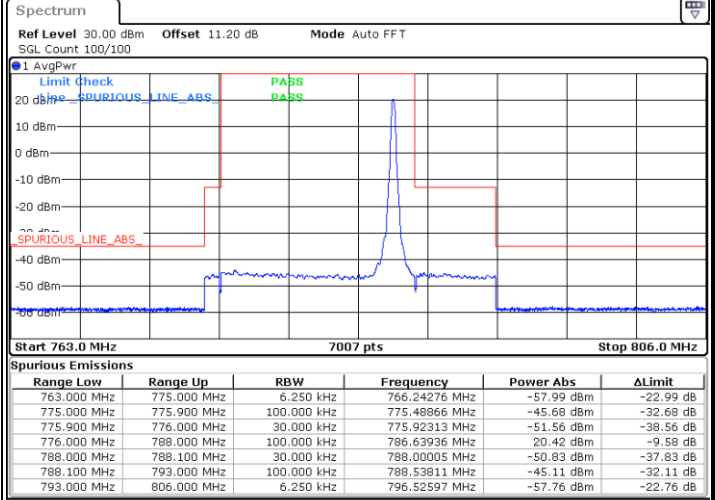
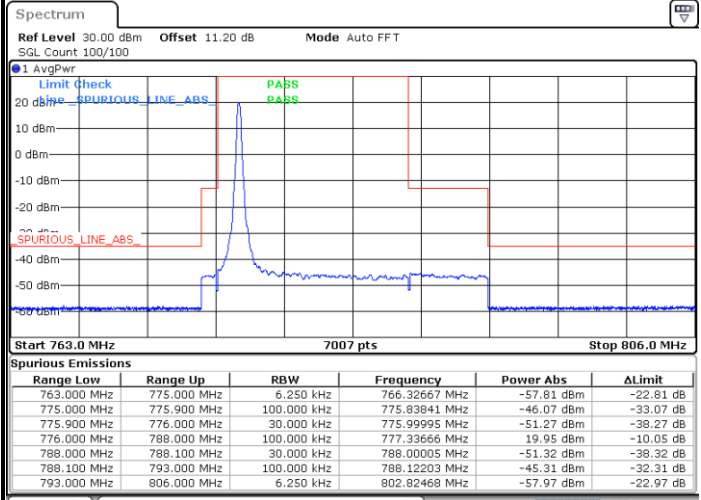
Date: 28.MAY.2024 02:50:41



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

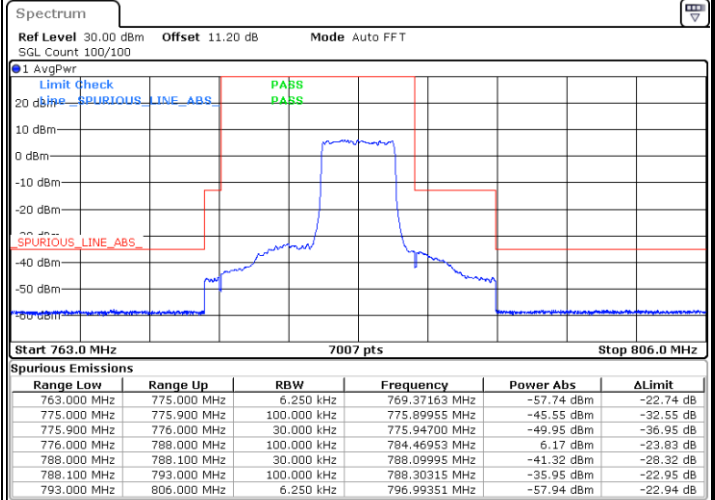
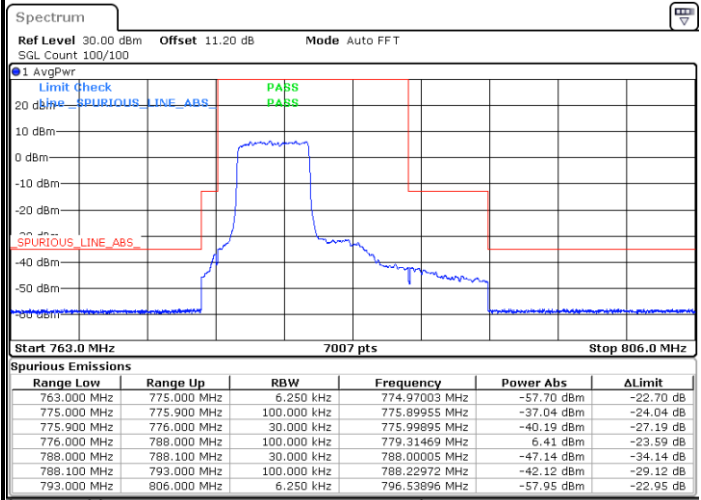


Date: 28.MAY.2024 02:47:56

Date: 28.MAY.2024 02:55:15

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.MAY.2024 02:44:16

Date: 28.MAY.2024 02:51:35

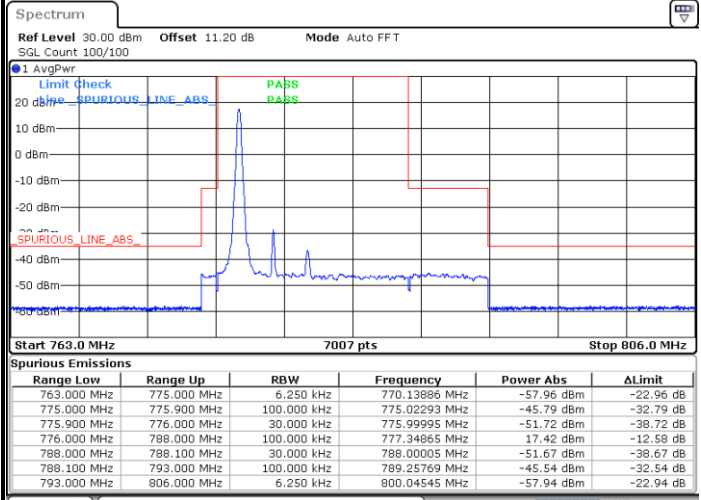




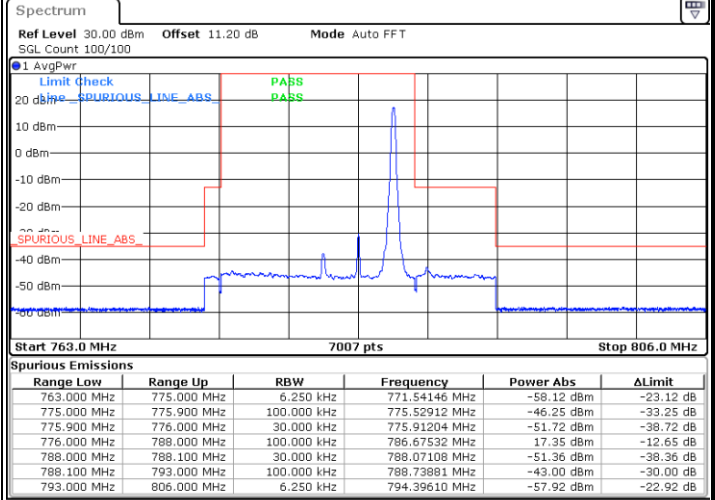
LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



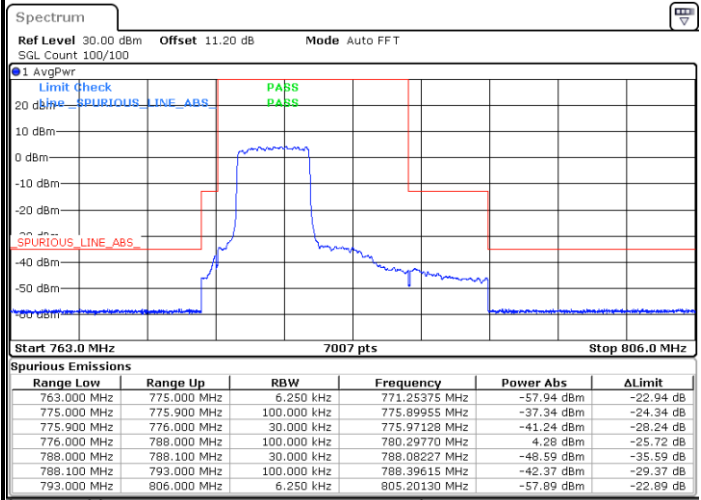
Date: 28.MAY.2024 02:48:50



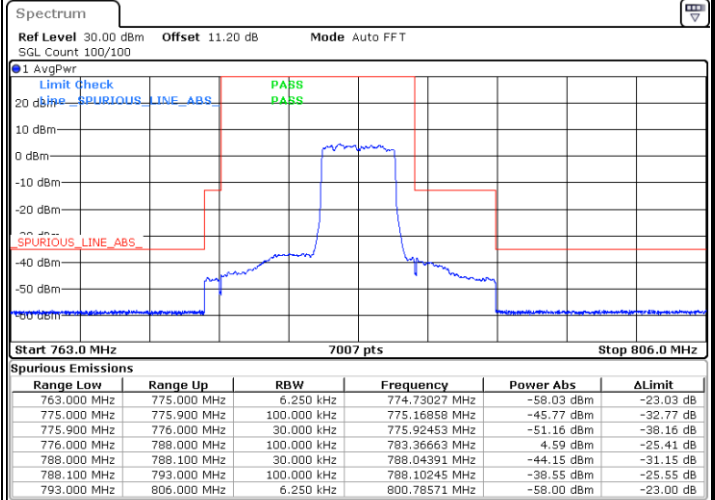
Date: 28.MAY.2024 02:56:09

Lowest Band Edge / Full RB

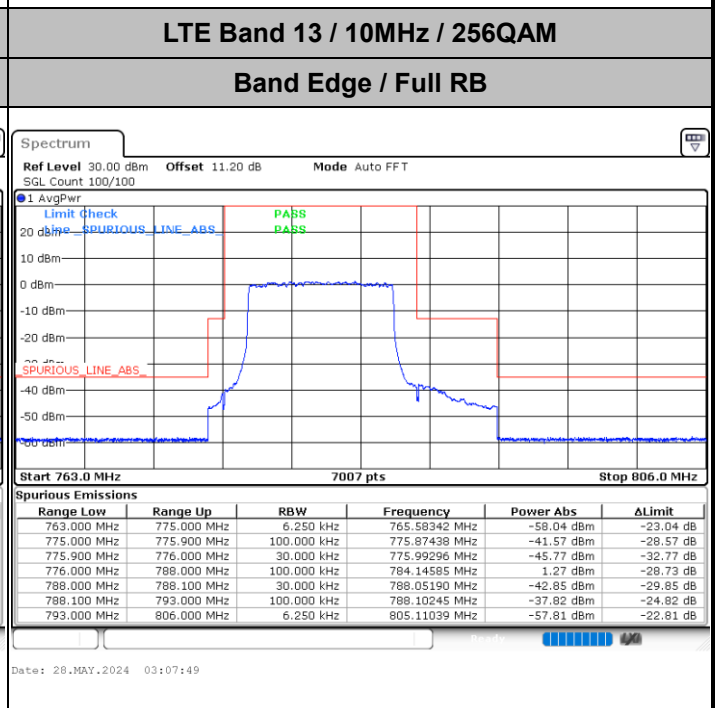
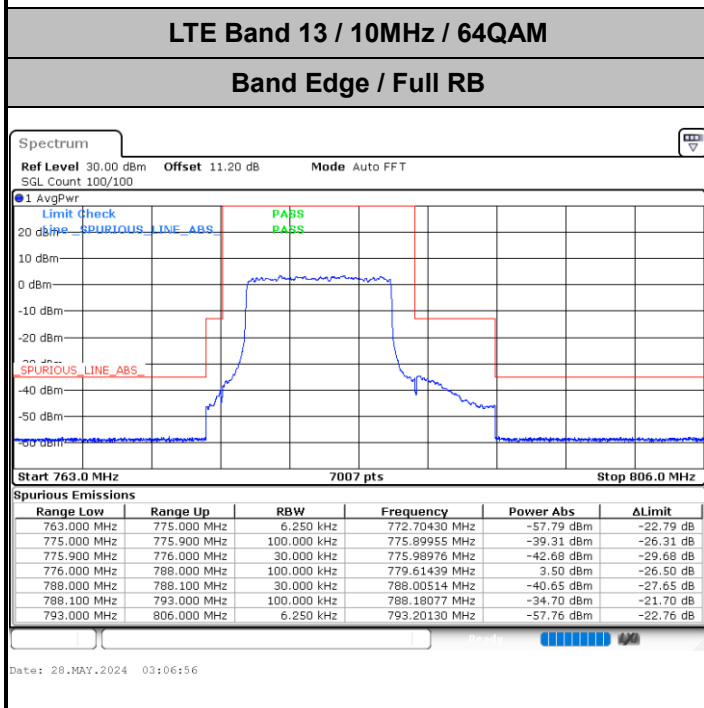
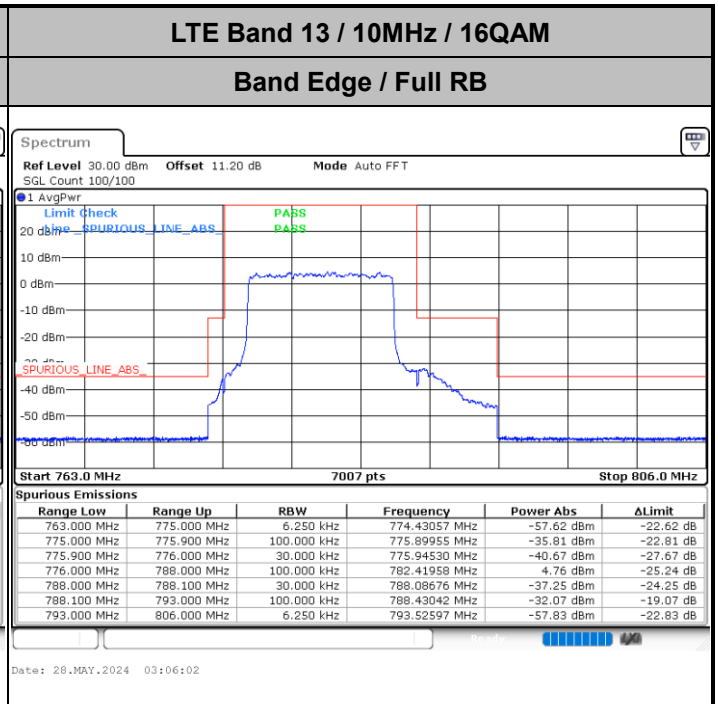
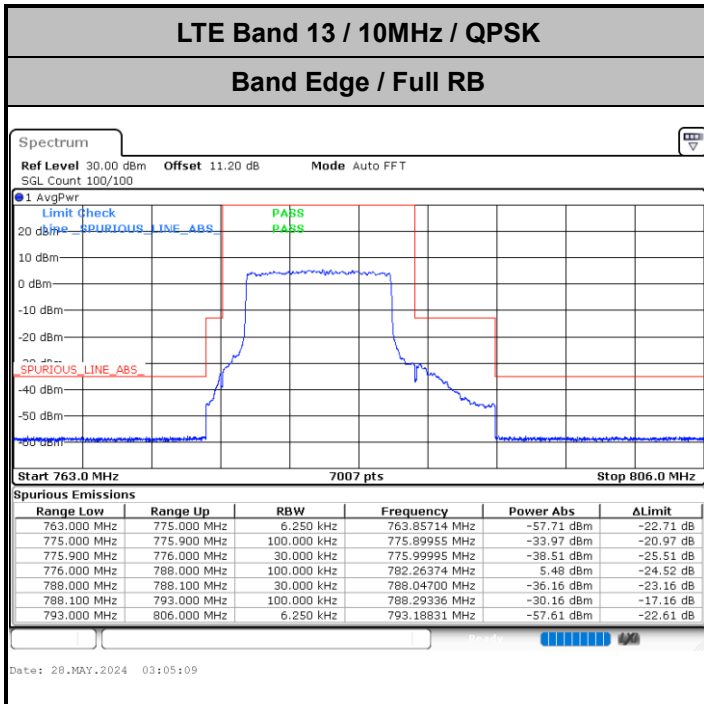
Highest Band Edge / Full RB



Date: 28.MAY.2024 02:45:10



Date: 28.MAY.2024 02:52:30

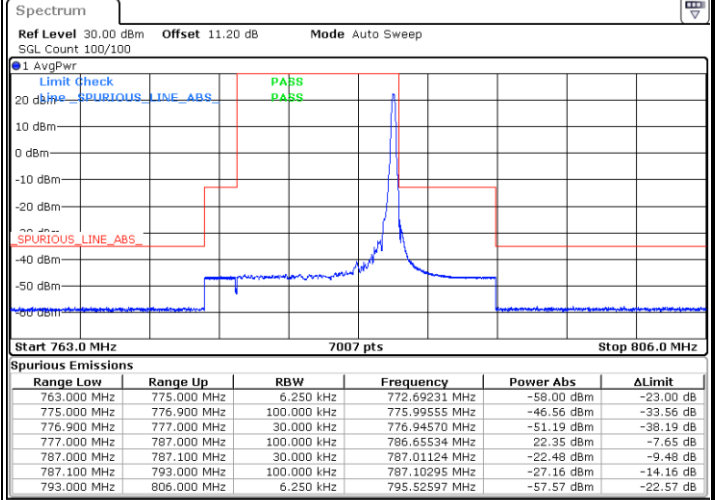
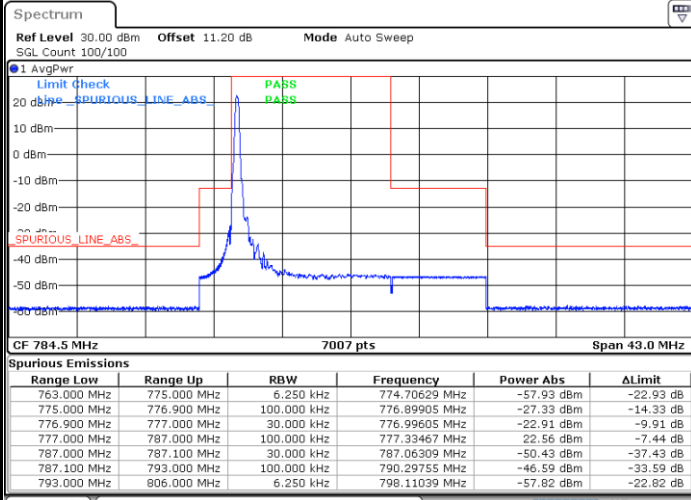




IC LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

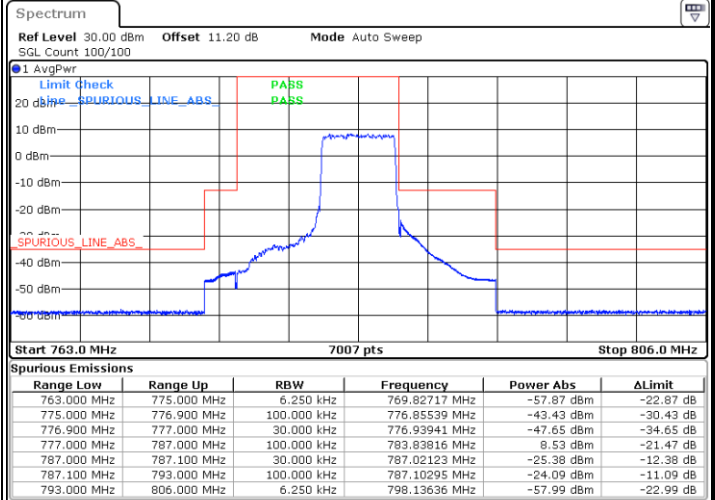
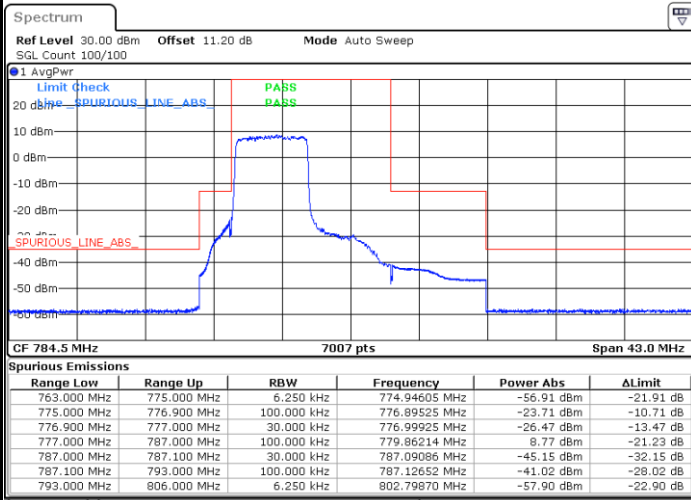


Date: 4 JUN.2024 15:20:06

Date: 4 JUN.2024 15:23:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4 JUN.2024 15:17:23

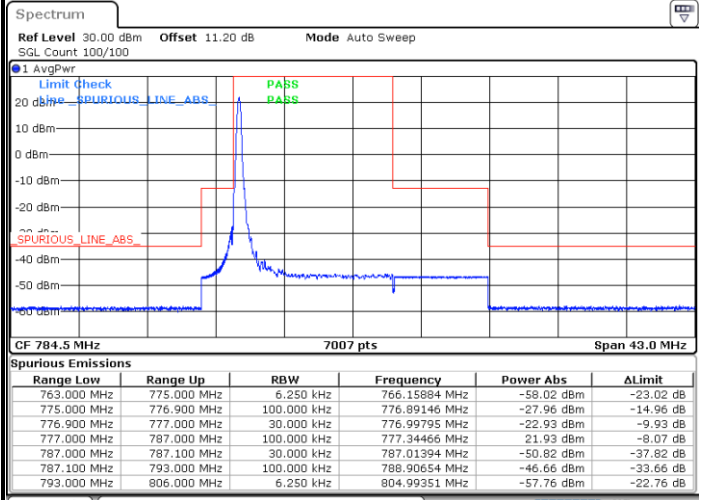
Date: 4 JUN.2024 15:21:01



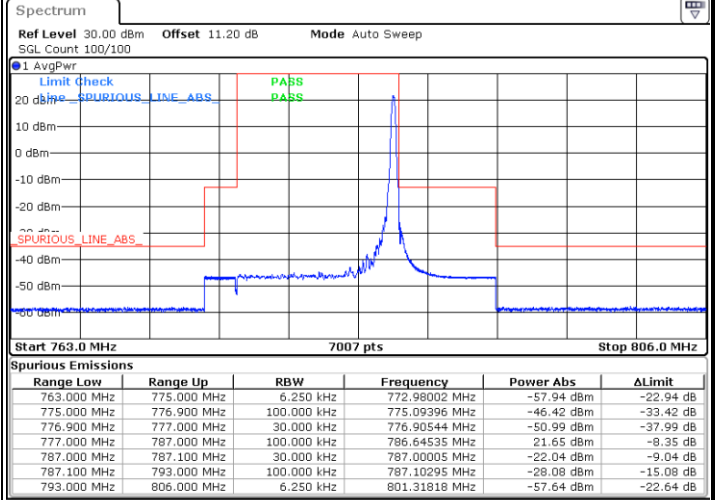
IC LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



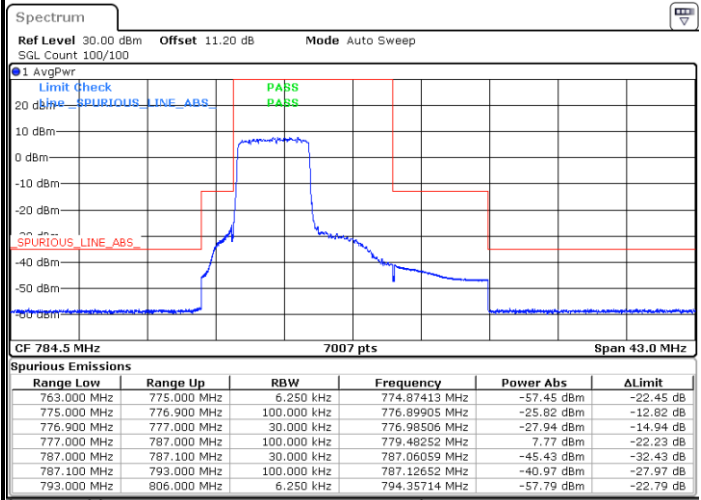
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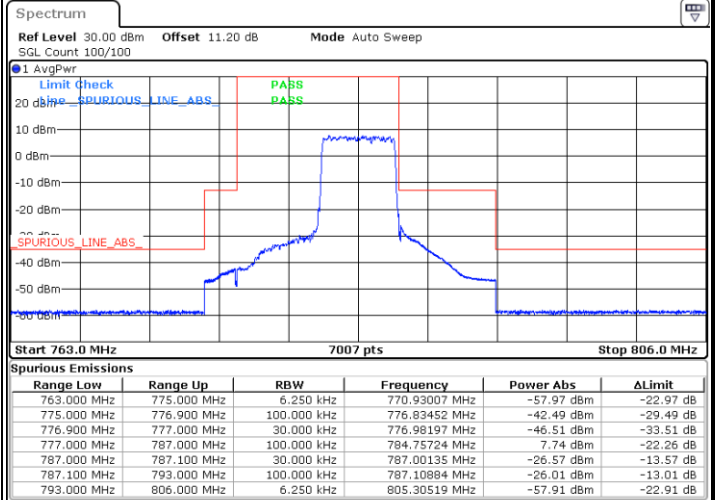
Date: 4 JUN.2024 15:22:50

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4 JUN.2024 15:18:17



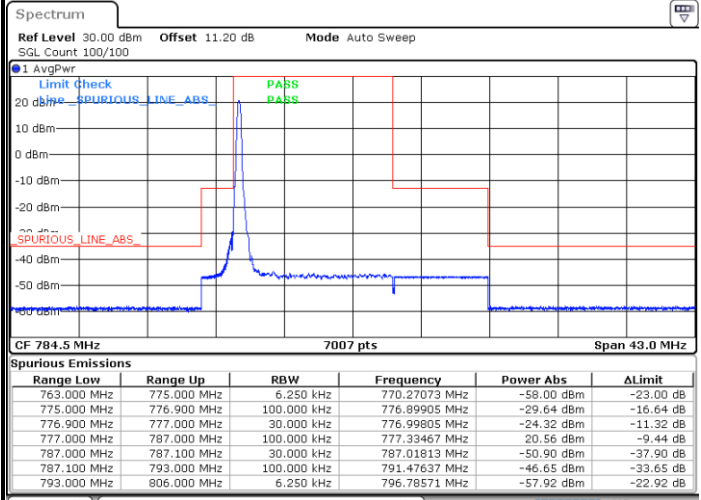
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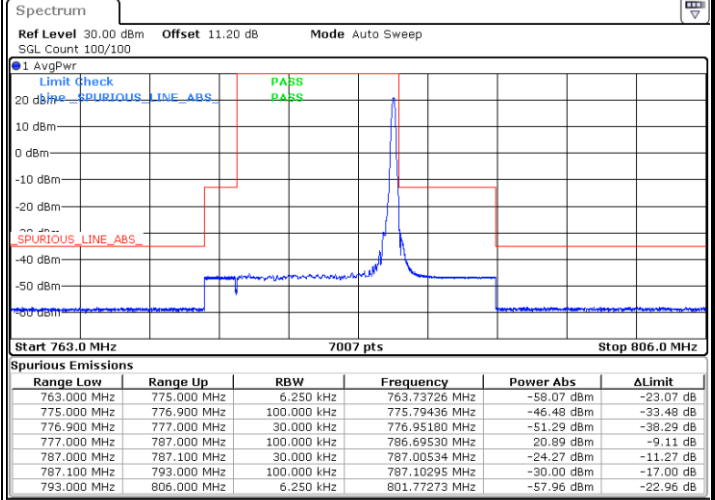
IC LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



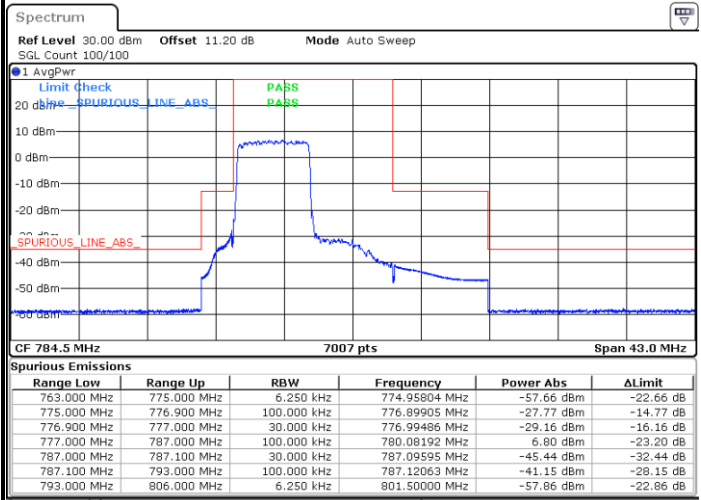
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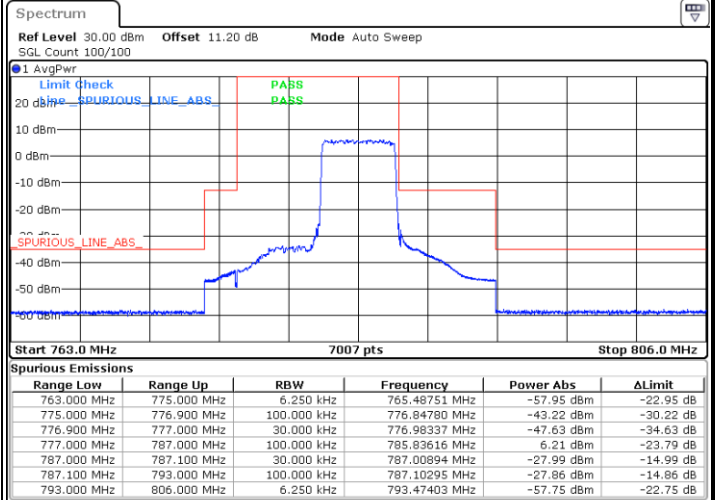
Date: 4 JUN.2024 15:27:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4 JUN.2024 15:24:39



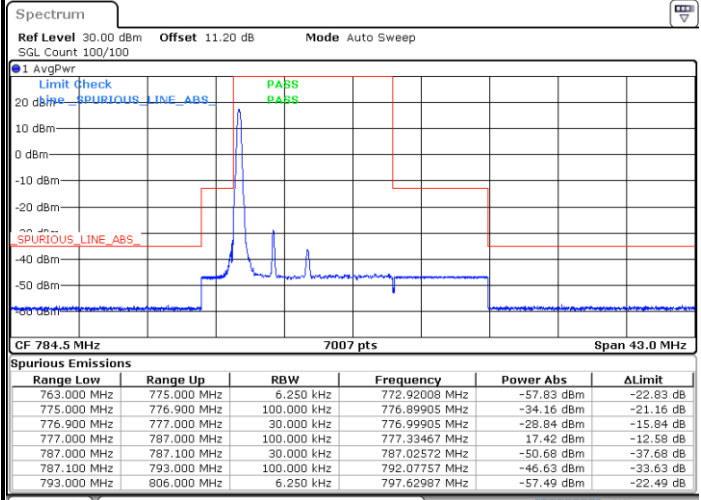
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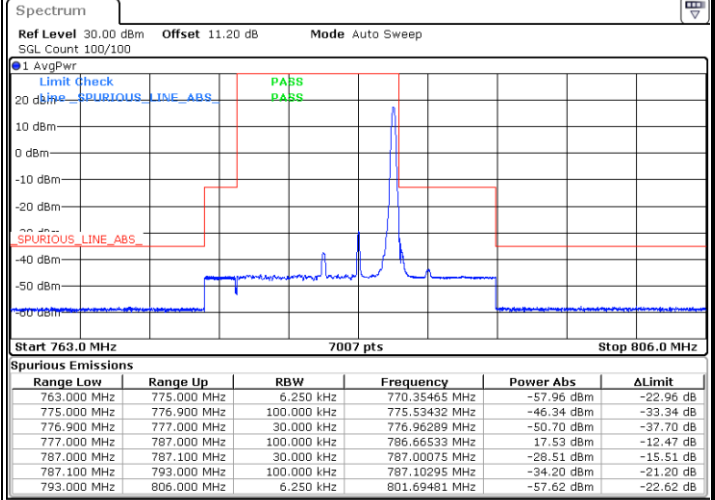
IC LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



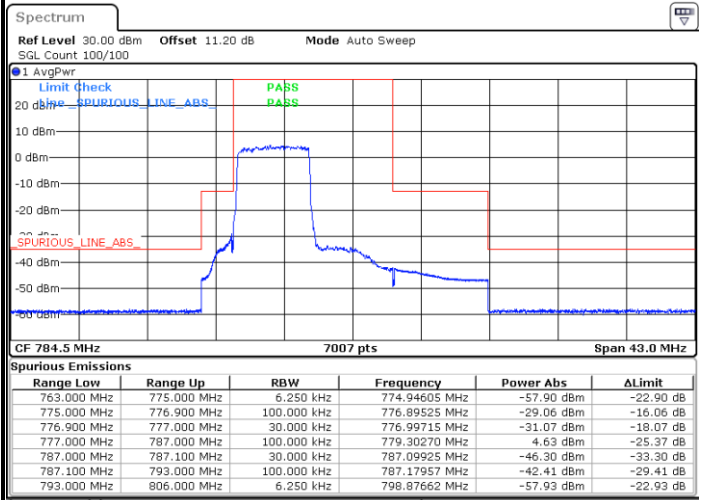
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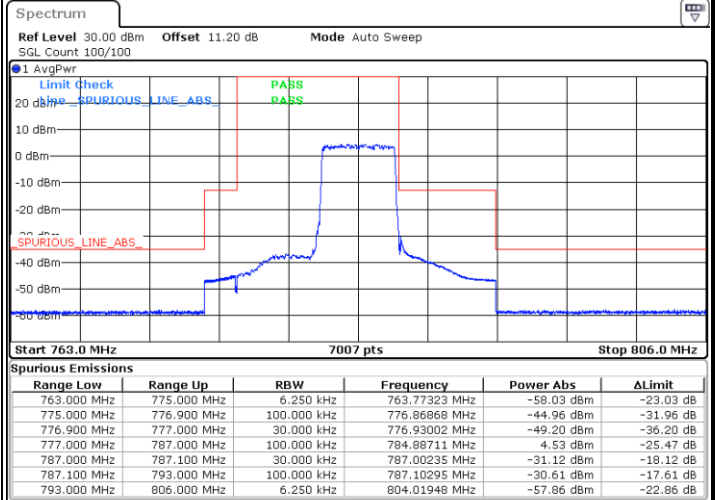
Date: 4 JUN.2024 15:36:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4 JUN.2024 15:33:35



Date: 4 JUN.2024 15:35:30