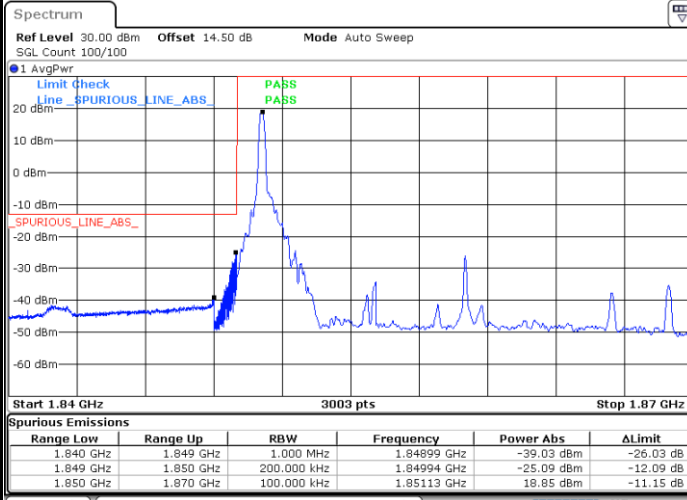




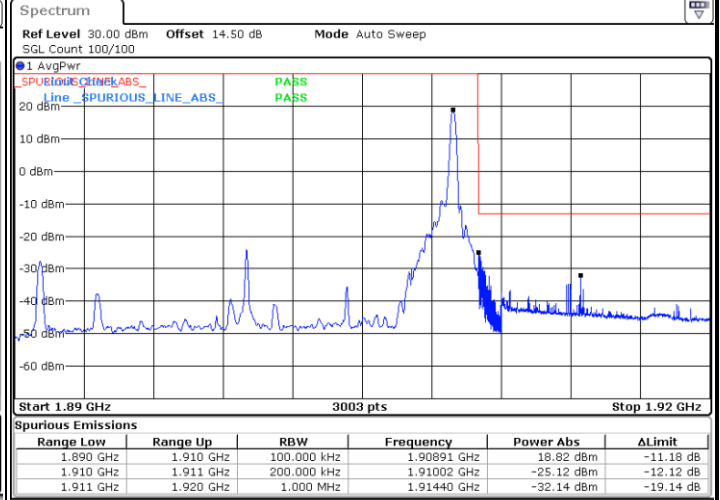
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



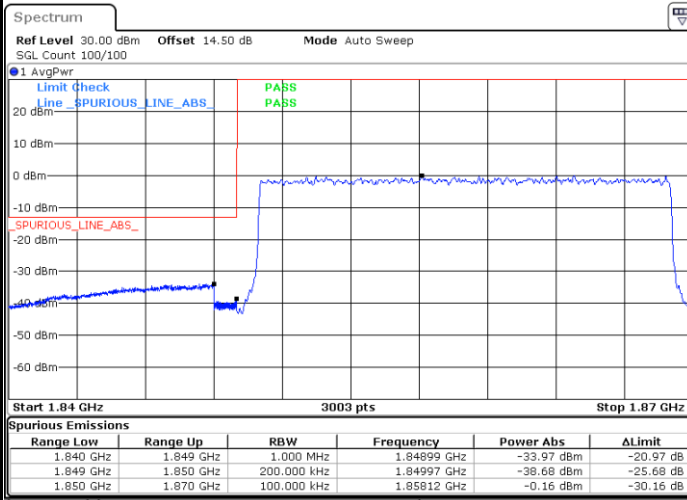
Date: 10.SEP.2024 19:16:32

Highest Band Edge / 1 RB



Date: 10.SEP.2024 19:26:11

Lowest Band Edge / Full RB



Date: 10.SEP.2024 19:18:48

Highest Band Edge / Full RB



Date: 10.SEP.2024 19:28:27

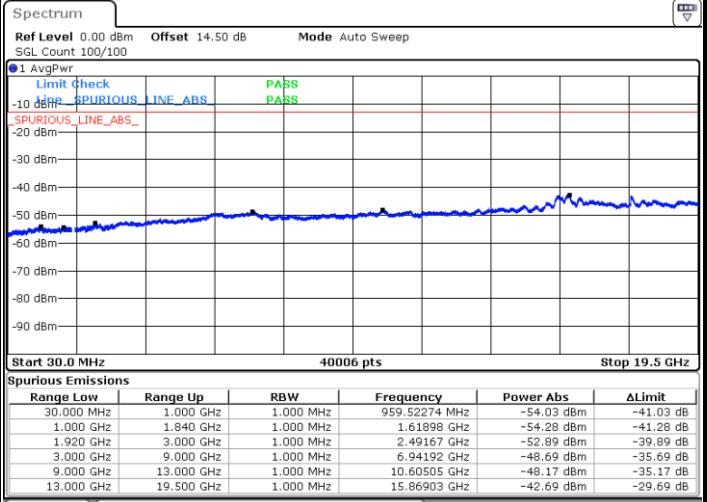
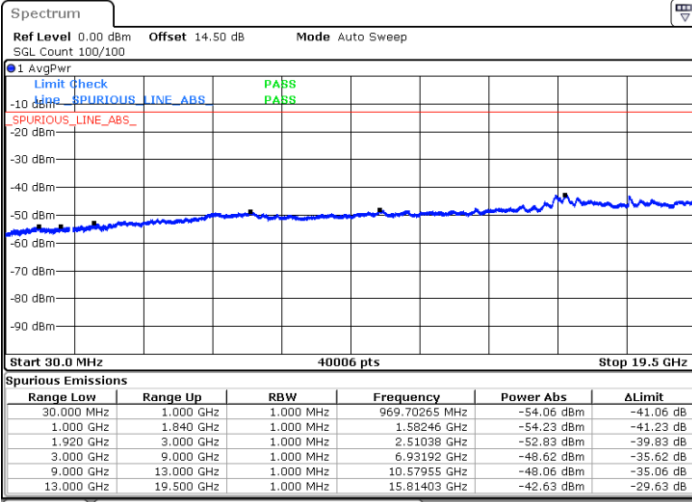


# Conducted Spurious Emission

## LTE Band 2 / 1.4MHz

### Lowest Channel / QPSK

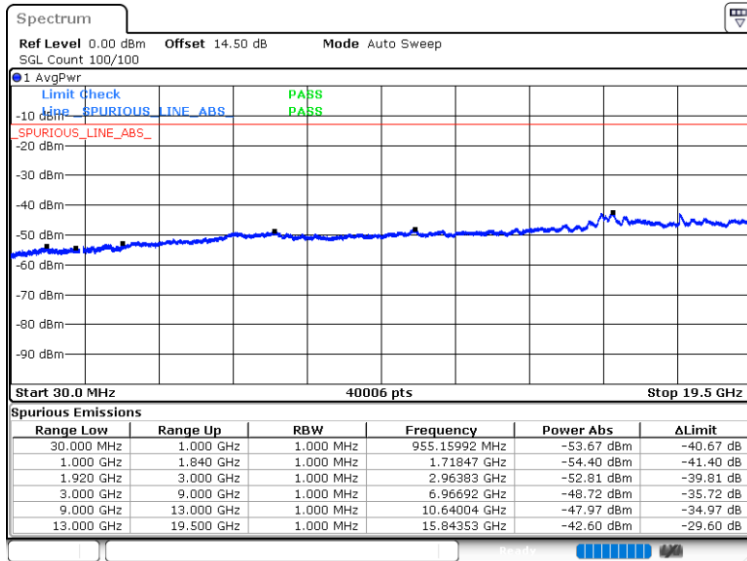
### Middle Channel / QPSK



Date: 10.SEP.2024 18:03:50

Date: 10.SEP.2024 18:07:20

### Highest Channel / QPSK



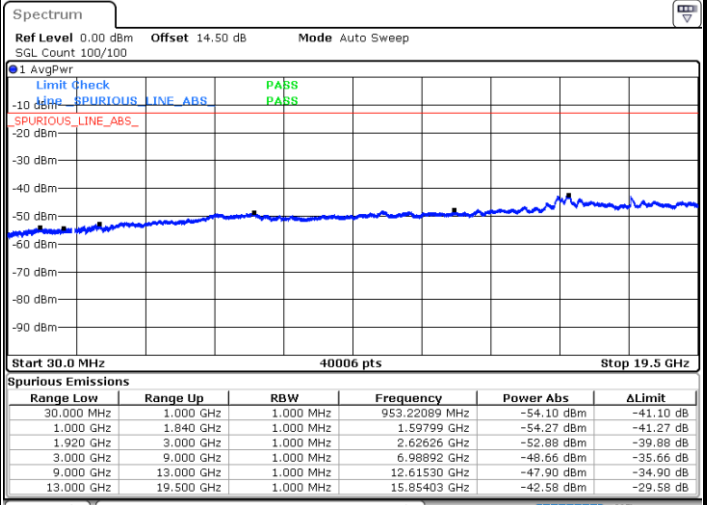
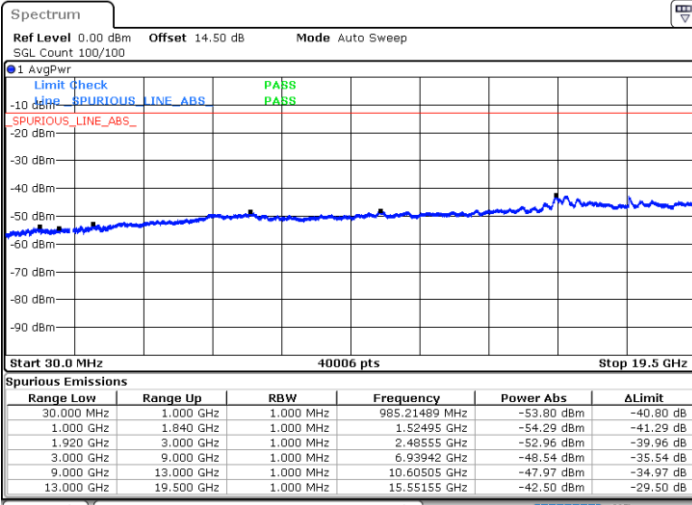
Date: 10.SEP.2024 18:12:09



LTE Band 2 / 3MHz

Lowest Channel / QPSK

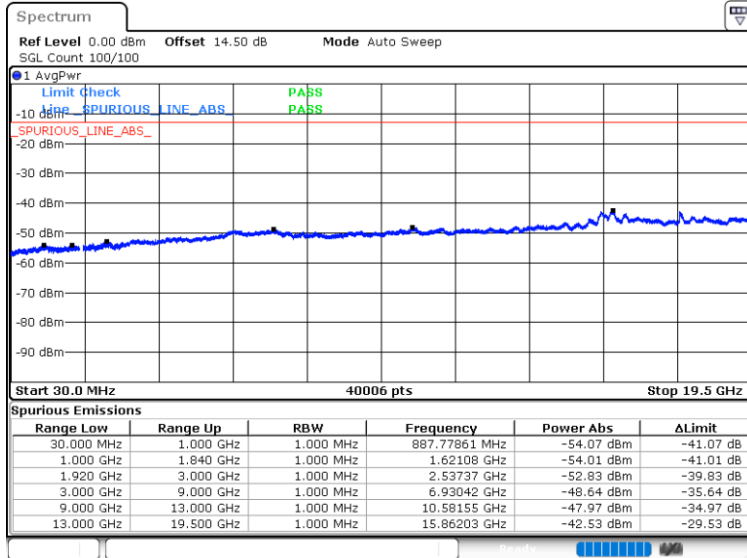
Middle Channel / QPSK



Date: 10.SEP.2024 18:18:38

Date: 10.SEP.2024 18:22:08

Highest Channel / QPSK

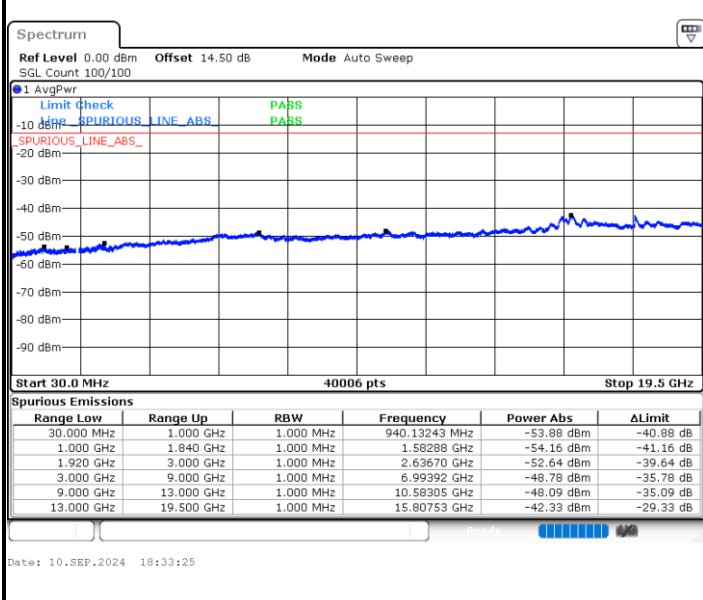


Date: 10.SEP.2024 18:29:12

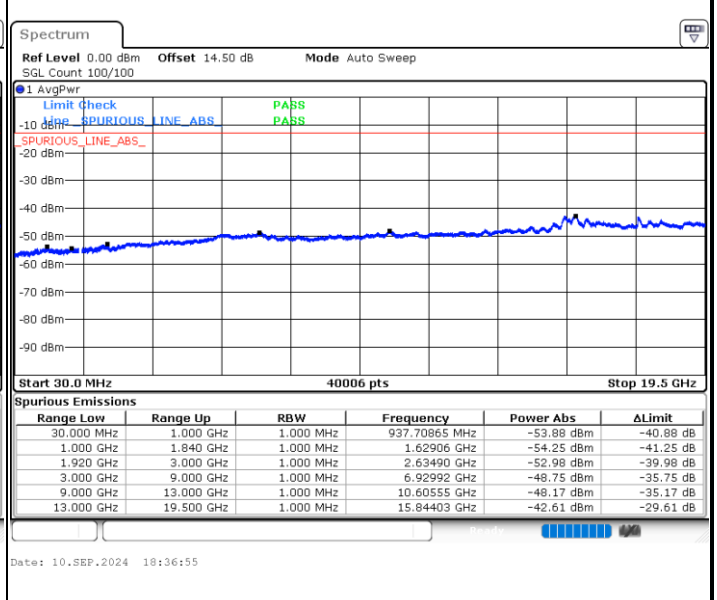


**LTE Band 2 / 5MHz**

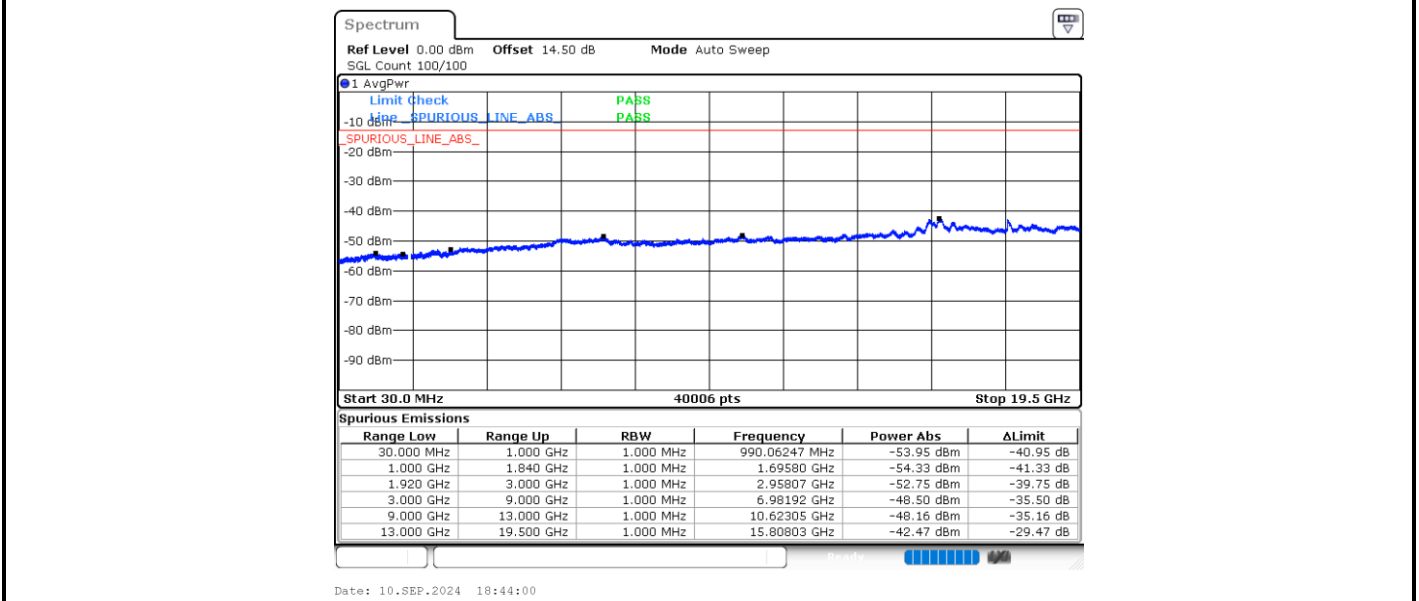
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

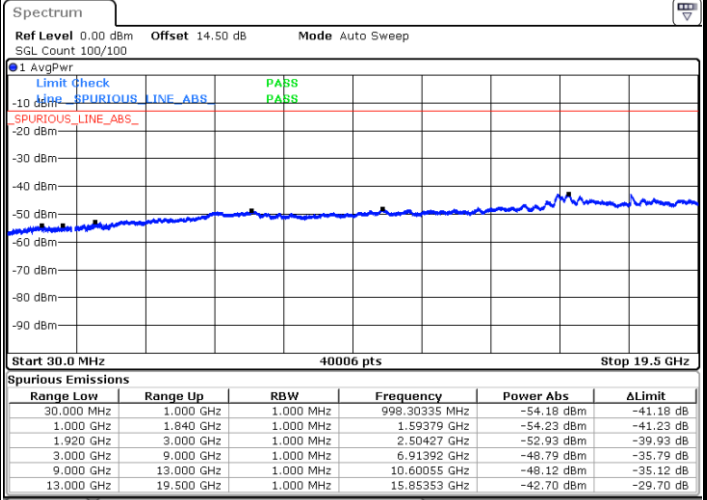
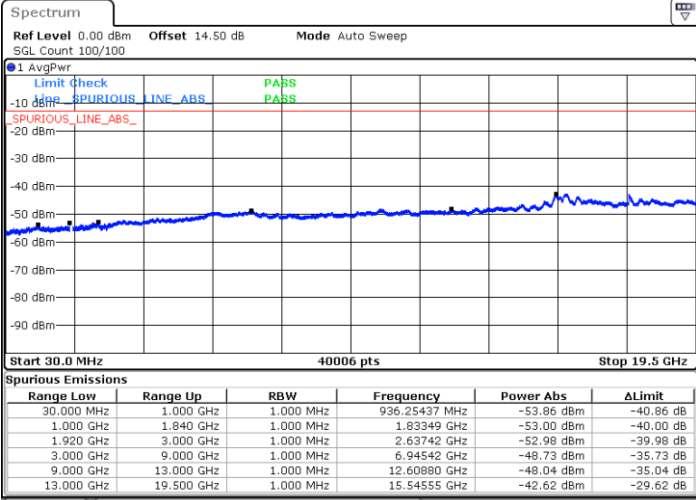




LTE Band 2 / 10MHz

Lowest Channel / QPSK

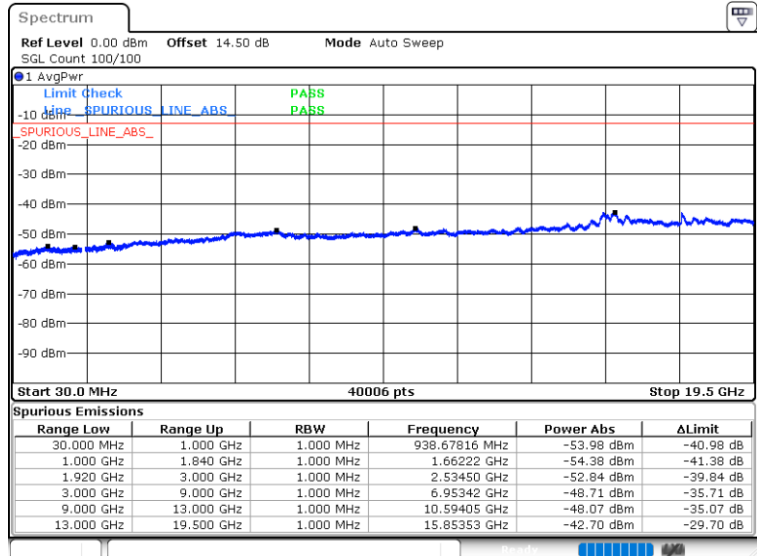
Middle Channel / QPSK



Date: 10.SEP.2024 18:50:28

Date: 10.SEP.2024 18:51:42

Highest Channel / QPSK



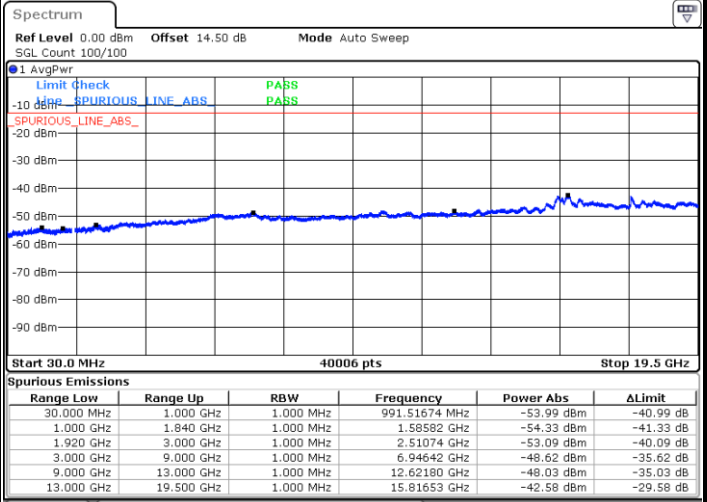
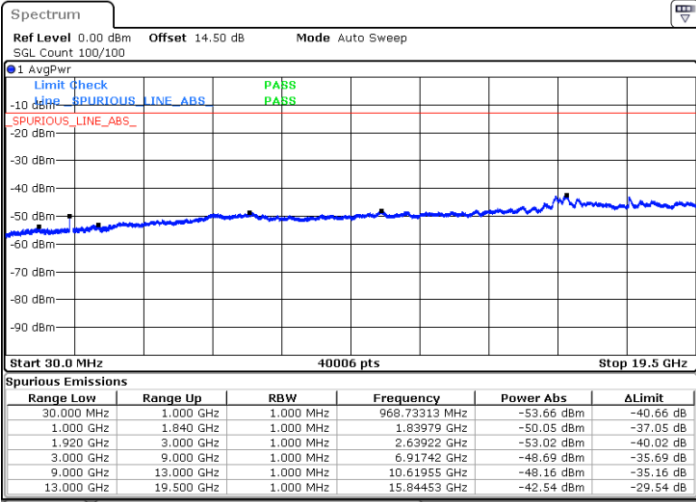
Date: 10.SEP.2024 18:58:46



LTE Band 2 / 15MHz

Lowest Channel / QPSK

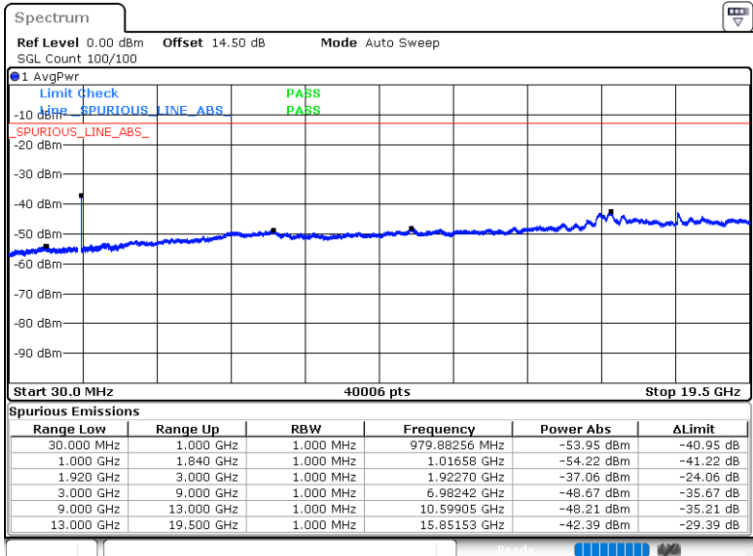
Middle Channel / QPSK



Date: 10.SEP.2024 19:05:15

Date: 10.SEP.2024 19:06:29

Highest Channel / QPSK

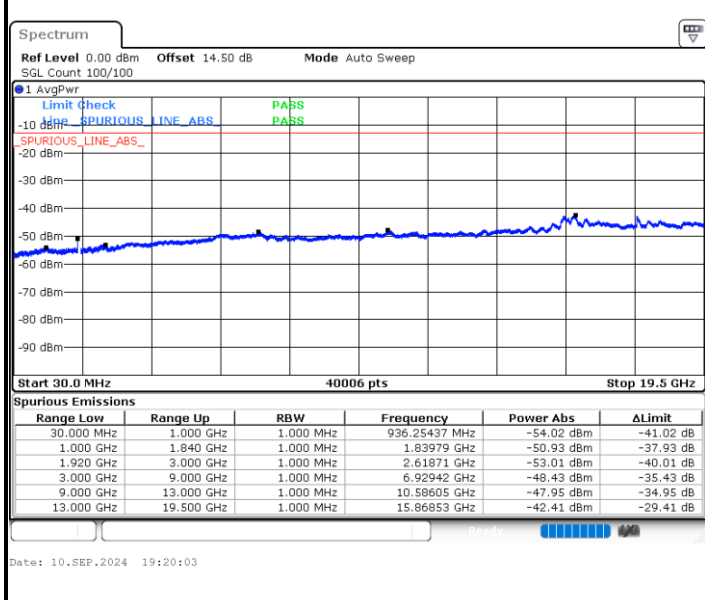


Date: 10.SEP.2024 19:13:34

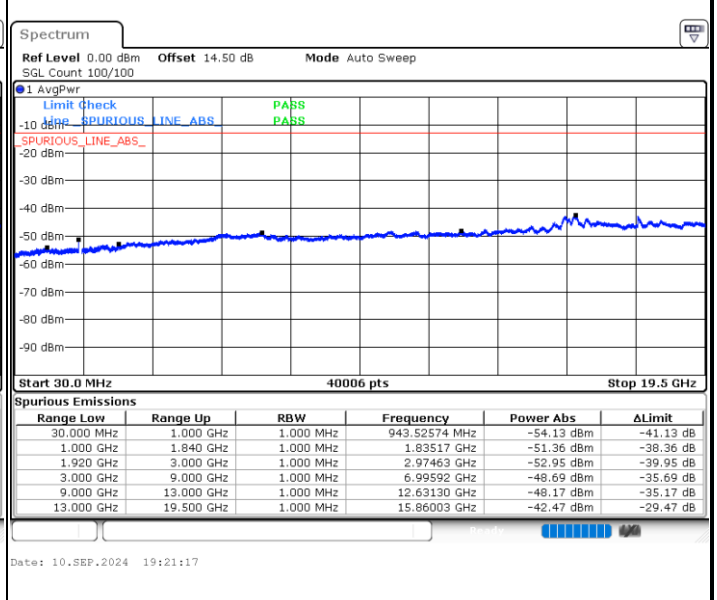


**LTE Band 2 / 20MHz**

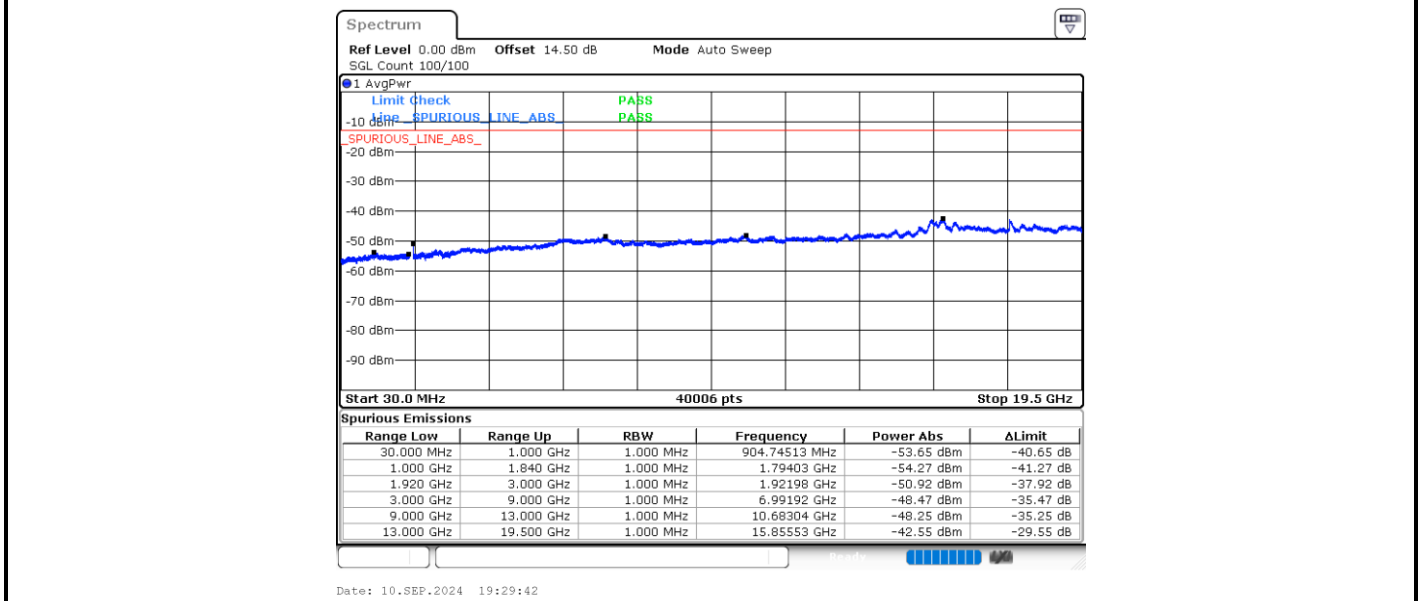
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**





### Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0055	
0	Normal Voltage	0.0056	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0058	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

**Note:**

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

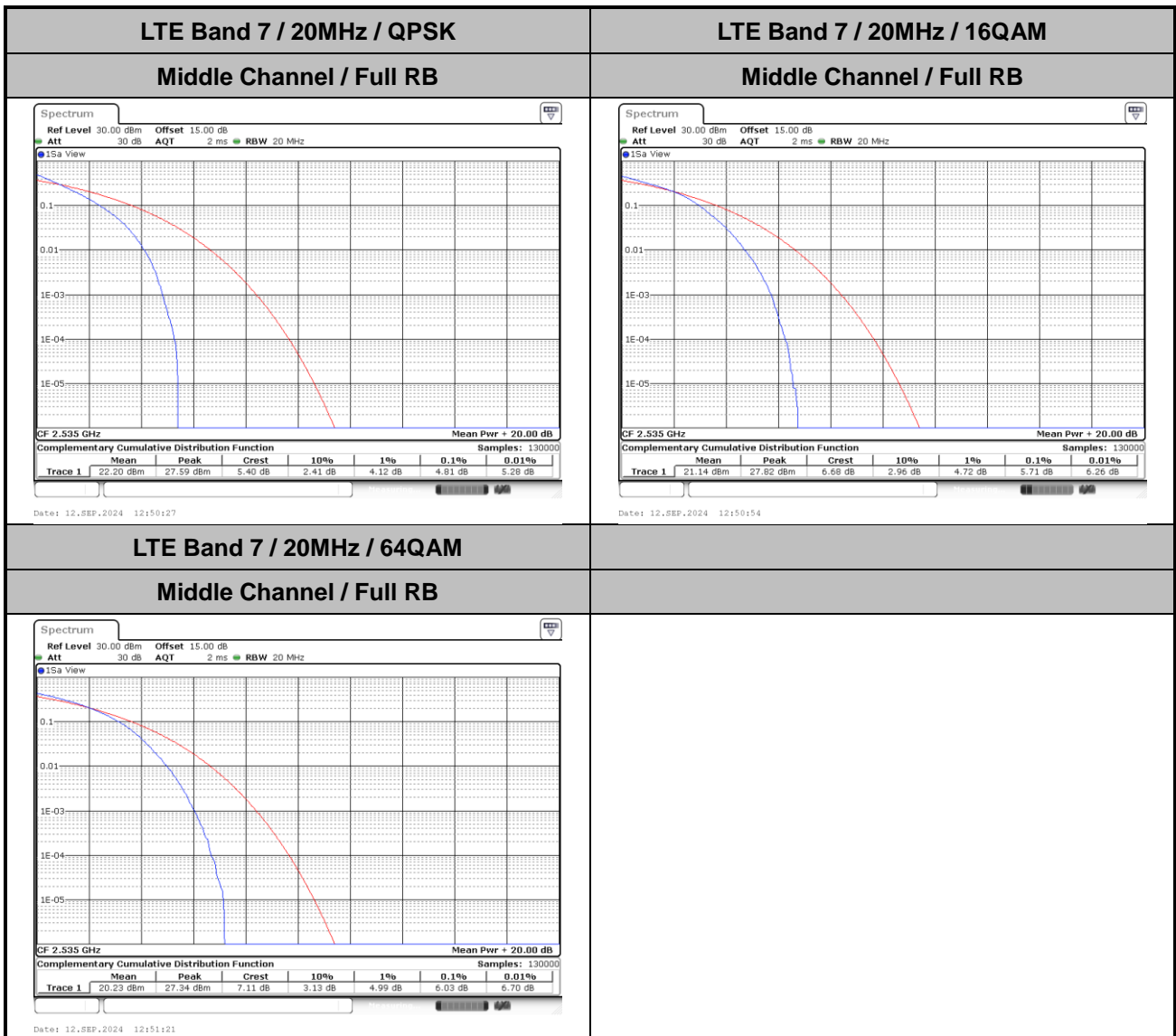




# LTE Band 7

## Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.81	5.71	6.03	PASS





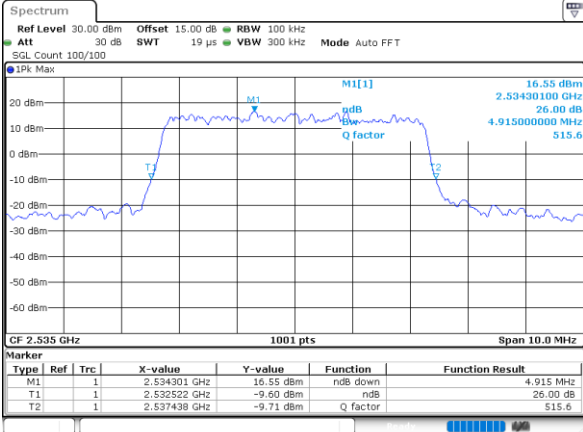
## 26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.92	4.89	9.97	9.79	14.33	14.39	19.14	18.74



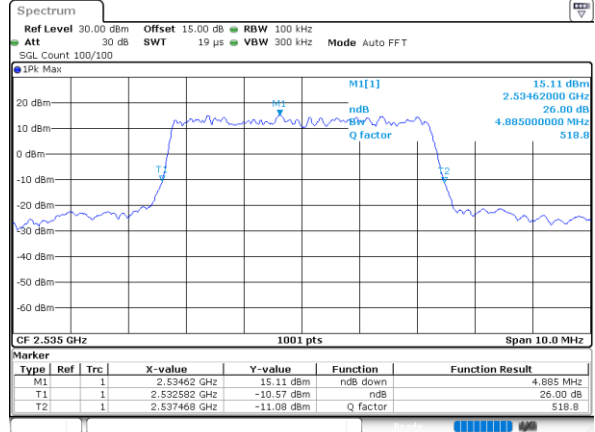
LTE Band 7

Middle Channel / 5MHz / QPSK



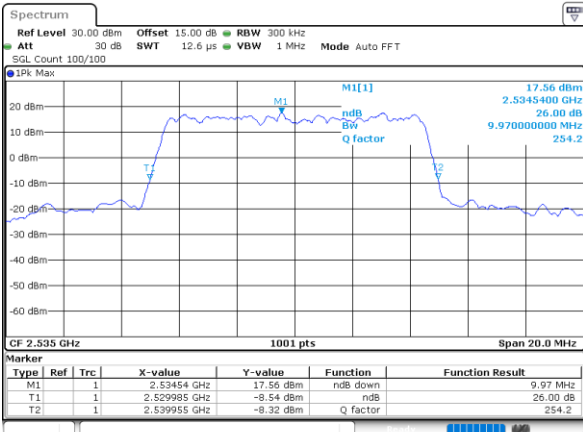
Date: 12\_SEP.2024 11:57:13

Middle Channel / 5MHz / 16QAM



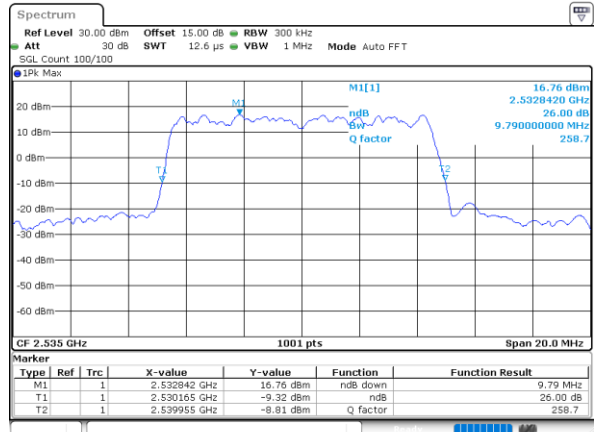
Date: 12\_SEP.2024 11:57:52

Middle Channel / 10MHz / QPSK



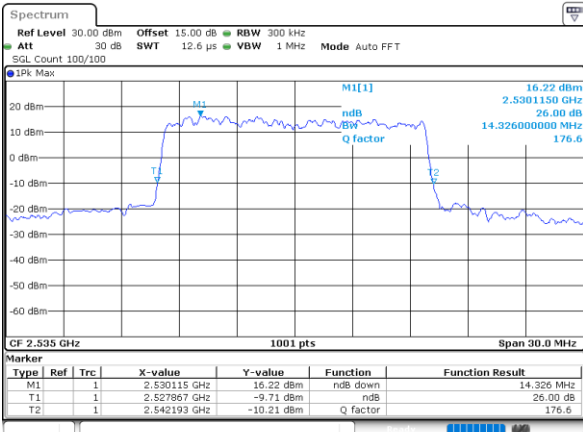
Date: 12\_SEP.2024 12:14:33

Middle Channel / 10MHz / 16QAM



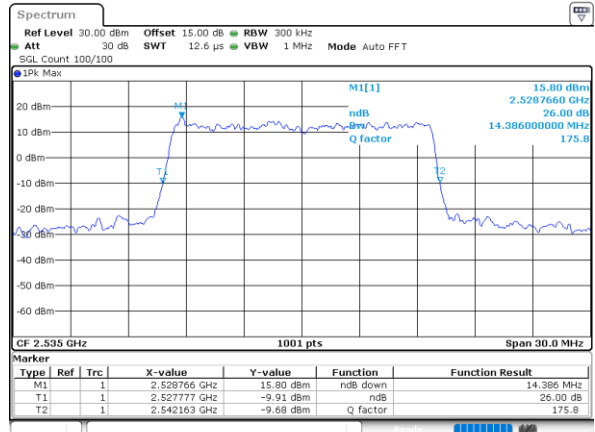
Date: 12\_SEP.2024 12:15:12

Middle Channel / 15MHz / QPSK



Date: 12\_SEP.2024 12:32:00

Middle Channel / 15MHz / 16QAM

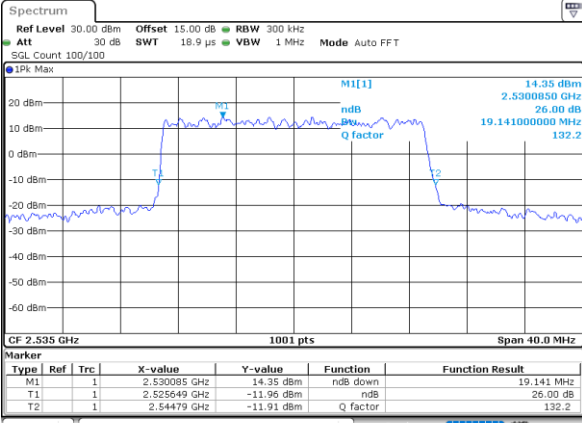


Date: 12\_SEP.2024 12:32:39



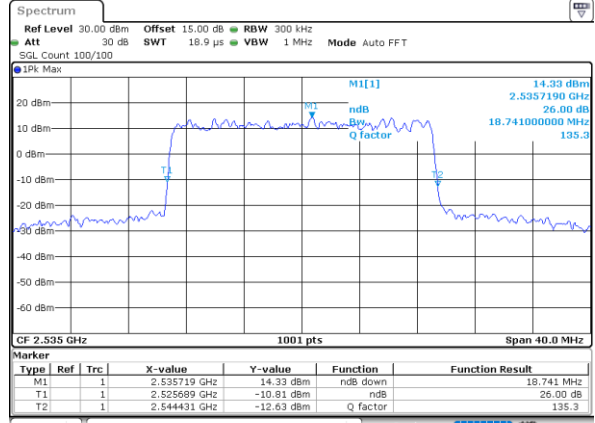
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 12\_SEP\_2024 12:49:22

Middle Channel / 20MHz / 16QAM



Date: 12\_SEP\_2024 12:50:01



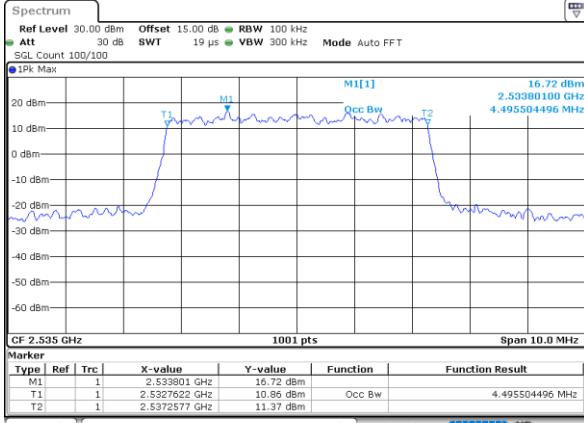
### Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.50	4.48	9.03	9.03	13.37	13.40	17.98	17.90



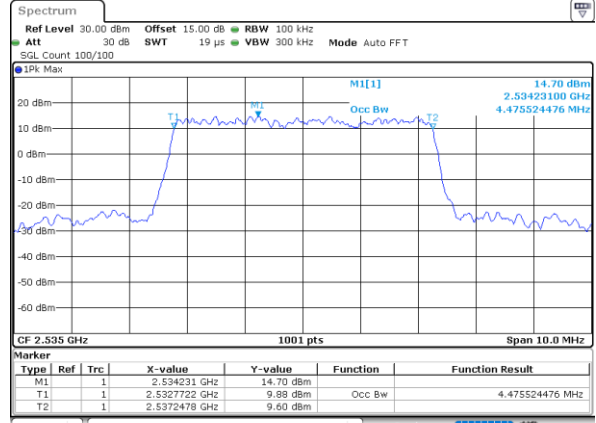
LTE Band 7

Middle Channel / 5MHz / QPSK



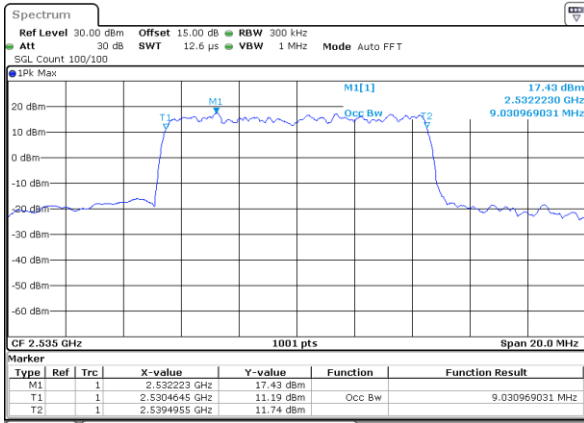
Date: 12\_SEP.2024 11:56:59

Middle Channel / 5MHz / 16QAM



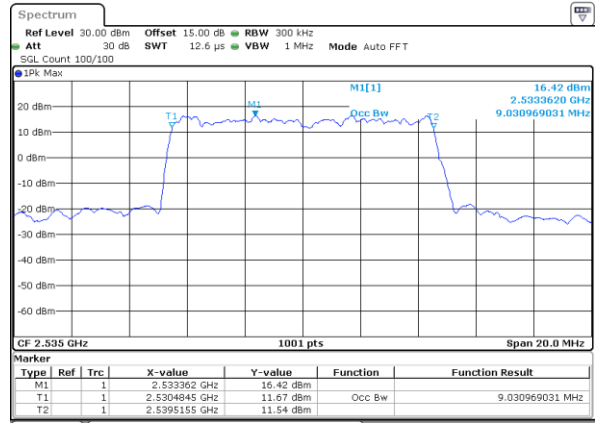
Date: 12\_SEP.2024 11:57:38

Middle Channel / 10MHz / QPSK



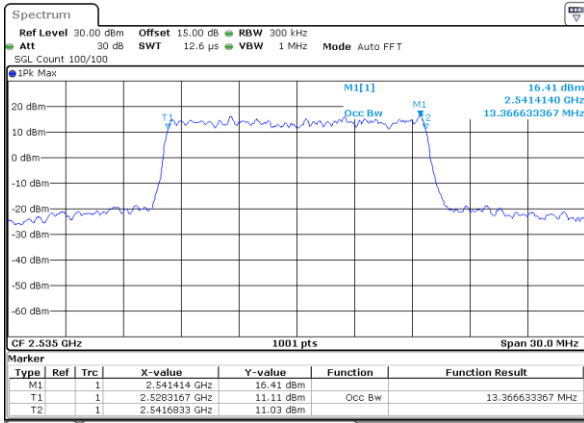
Date: 12\_SEP.2024 12:14:19

Middle Channel / 10MHz / 16QAM



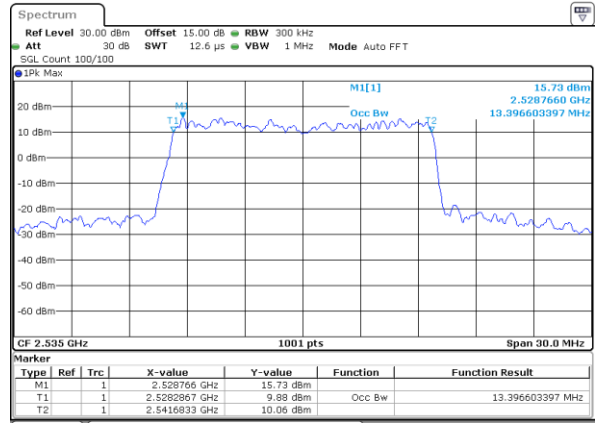
Date: 12\_SEP.2024 12:14:58

Middle Channel / 15MHz / QPSK



Date: 12\_SEP.2024 12:31:46

Middle Channel / 15MHz / 16QAM

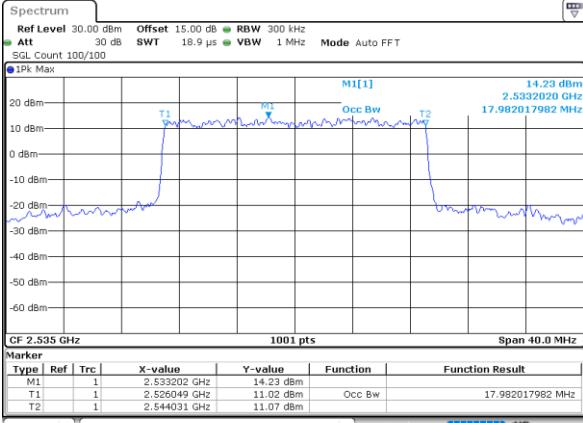


Date: 12\_SEP.2024 12:32:25



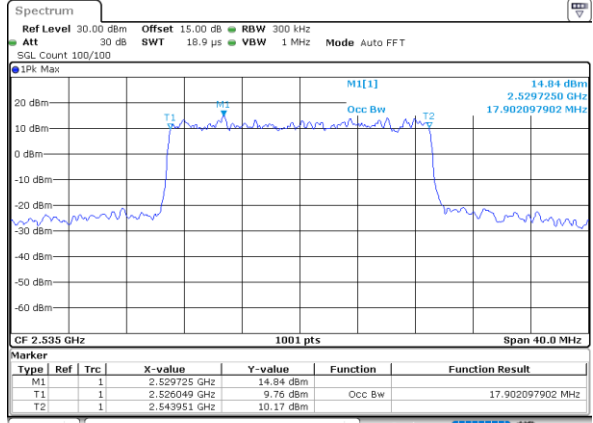
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 12\_SEP\_2024 12:49:00

Middle Channel / 20MHz / 16QAM



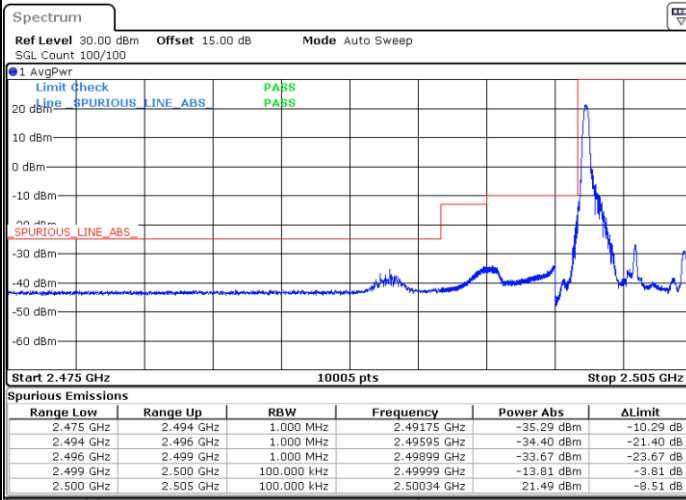
Date: 12\_SEP\_2024 12:49:47



# Conducted Band Edge

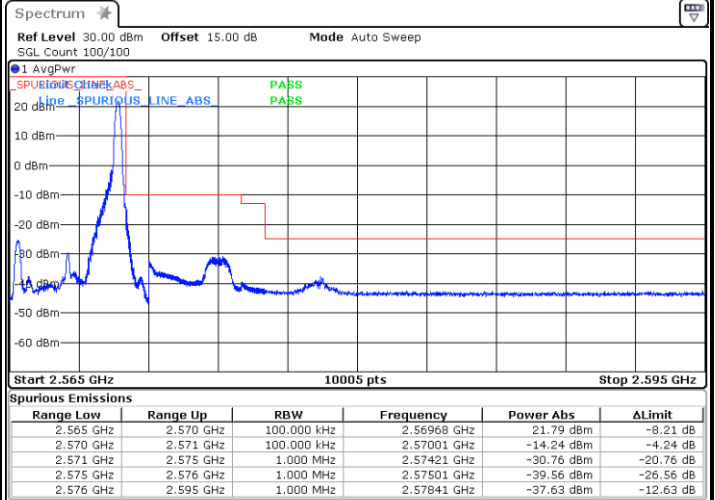
## LTE Band 7 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



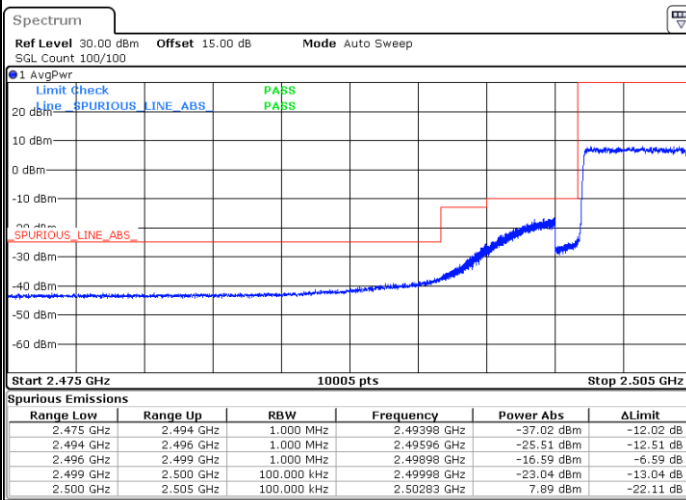
Date: 12.SEP.2024 11:49:06

### Highest Band Edge / 1 RB



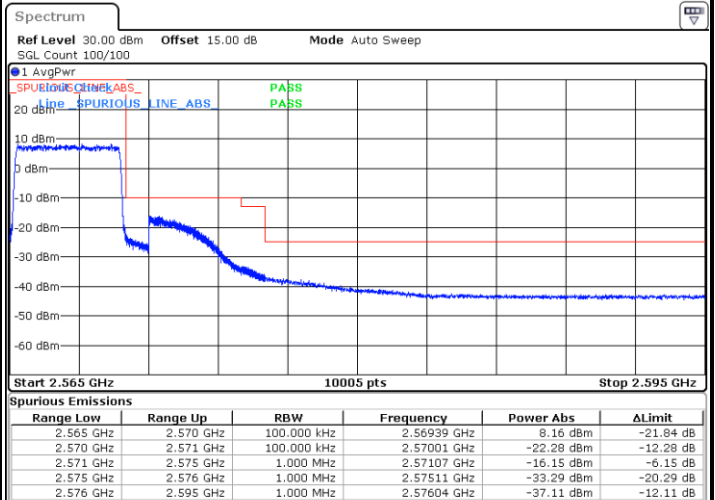
Date: 12.SEP.2024 15:59:00

### Lowest Band Edge / Full RB



Date: 12.SEP.2024 11:51:53

### Highest Band Edge / Full RB



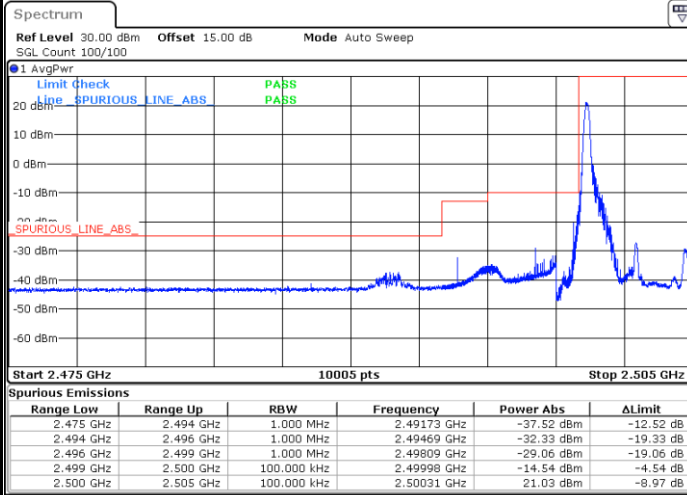
Date: 12.SEP.2024 12:01:33





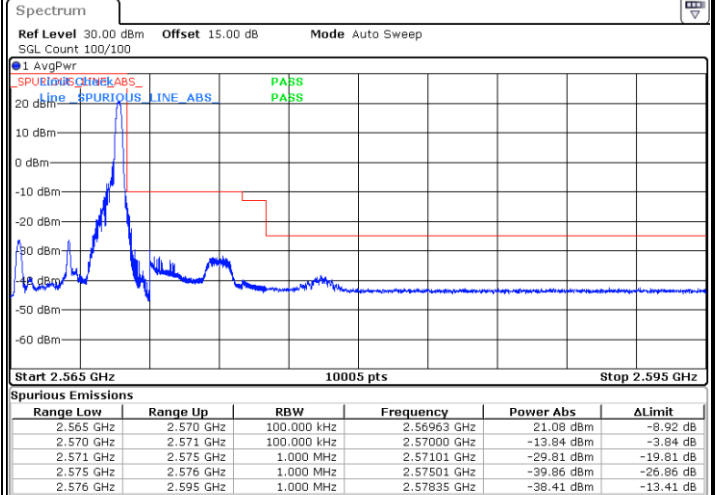
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



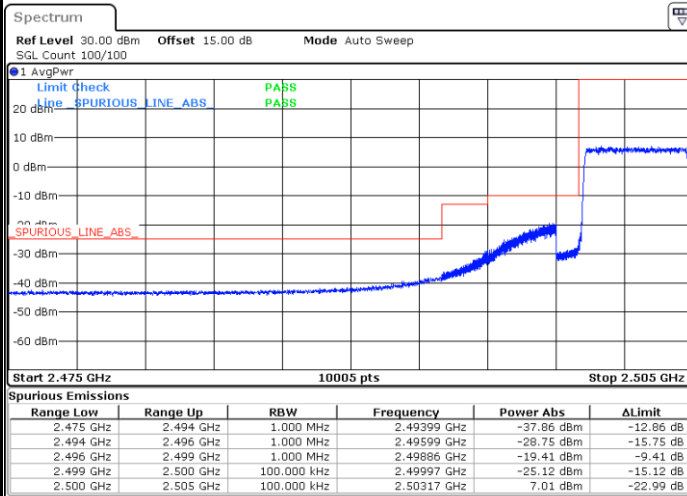
Date: 12.SEP.2024 11:50:02

Highest Band Edge / 1 RB



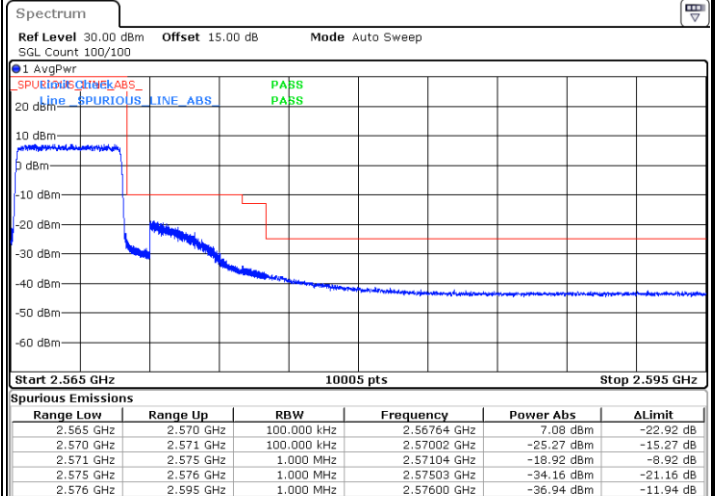
Date: 12.SEP.2024 11:59:42

Lowest Band Edge / Full RB



Date: 12.SEP.2024 11:52:49

Highest Band Edge / Full RB

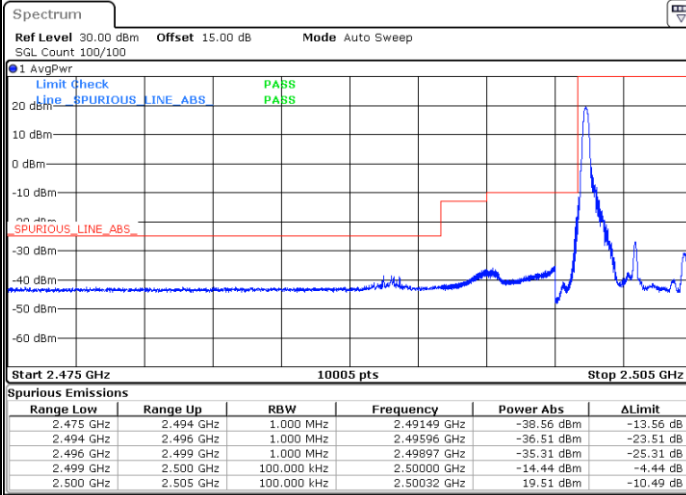


Date: 12.SEP.2024 12:02:29



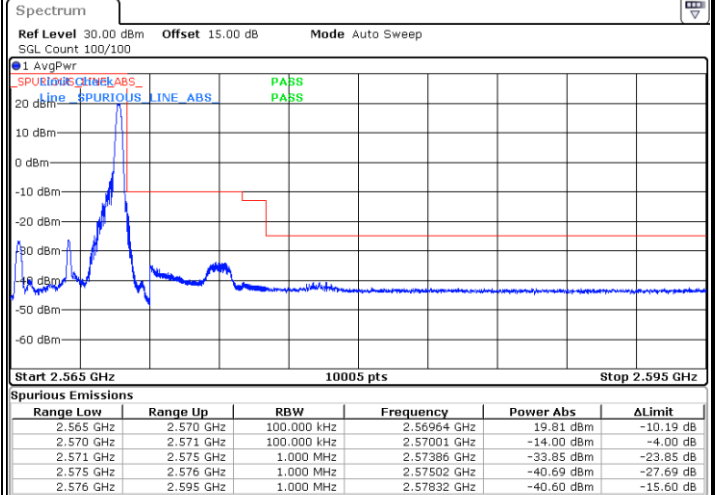
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



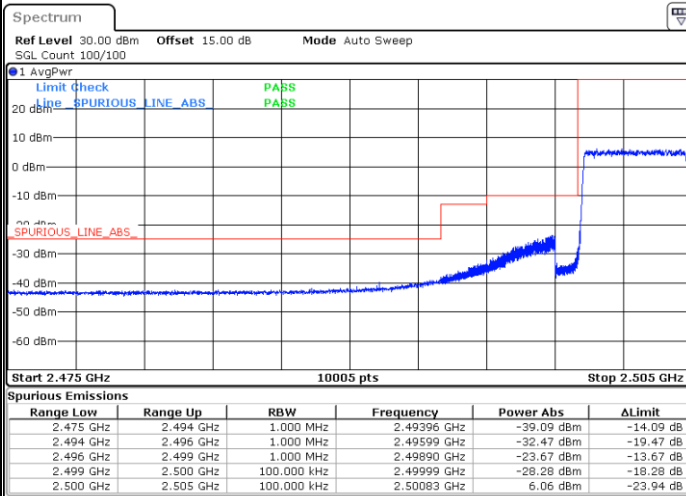
Date: 12.SEP.2024 11:50:57

Highest Band Edge / 1 RB



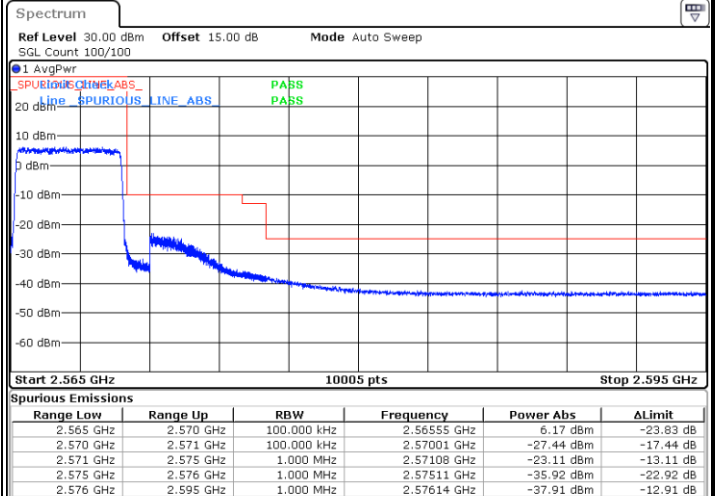
Date: 12.SEP.2024 12:00:38

Lowest Band Edge / Full RB



Date: 12.SEP.2024 11:53:44

Highest Band Edge / Full RB

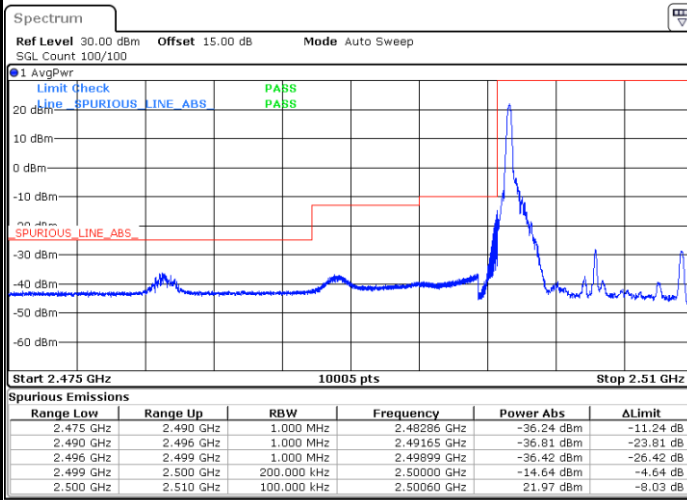


Date: 12.SEP.2024 12:03:24



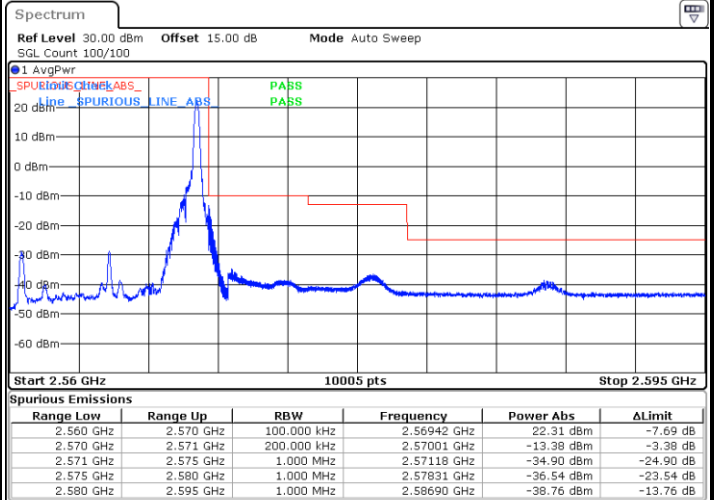
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



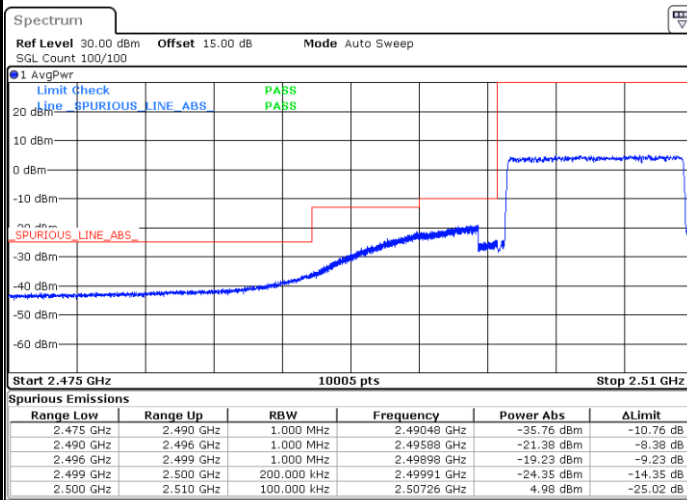
Date: 12.SEP.2024 12:06:27

Highest Band Edge / 1 RB



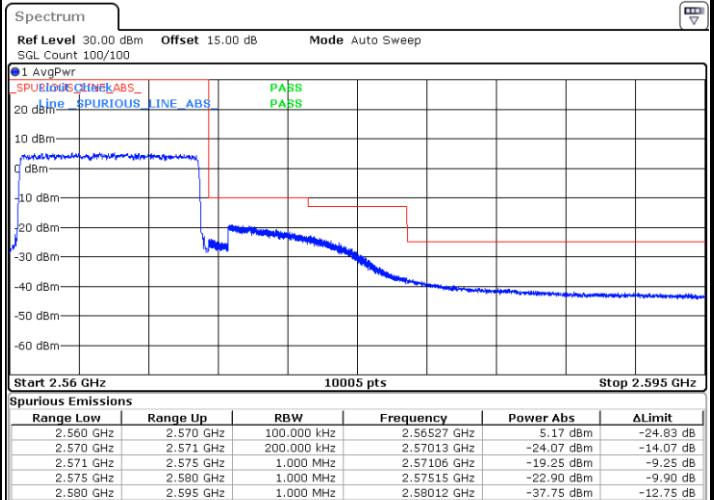
Date: 12.SEP.2024 12:16:07

Lowest Band Edge / Full RB



Date: 12.SEP.2024 12:09:13

Highest Band Edge / Full RB

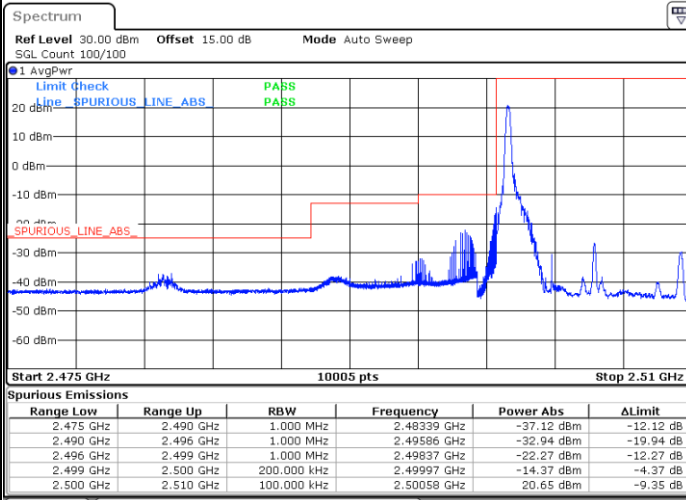


Date: 12.SEP.2024 12:18:53



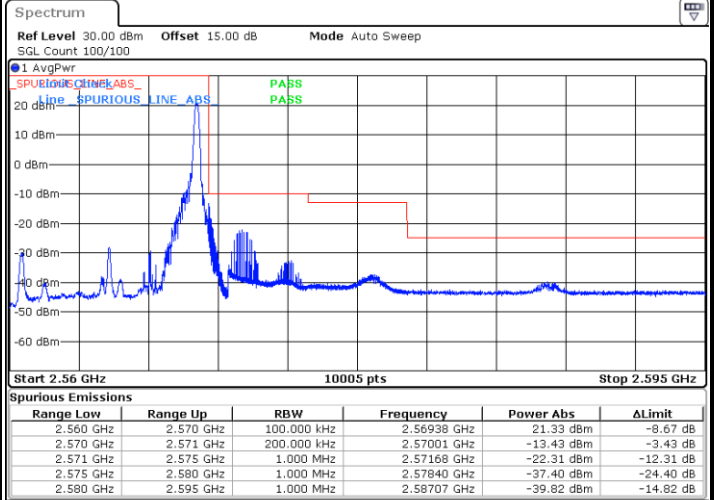
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1RB



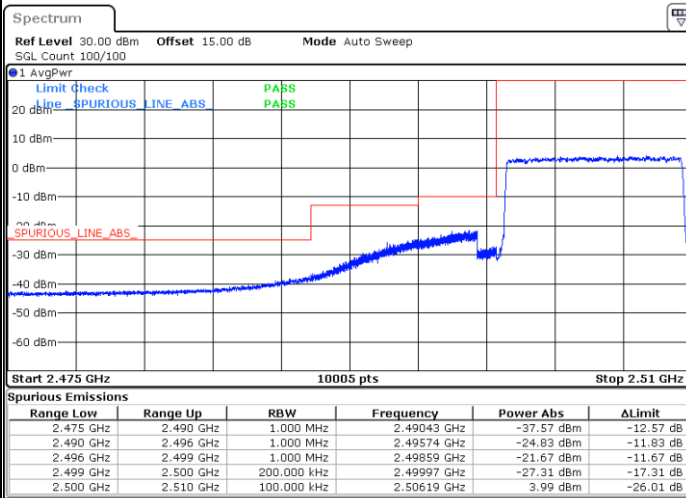
Date: 12.SEP.2024 12:07:22

Highest Band Edge / 1 RB



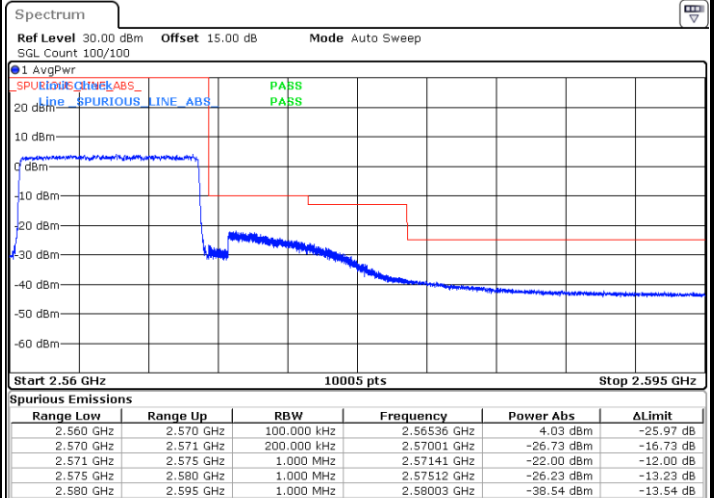
Date: 12.SEP.2024 12:17:02

Lowest Band Edge / Full RB



Date: 12.SEP.2024 12:10:09

Highest Band Edge / Full RB

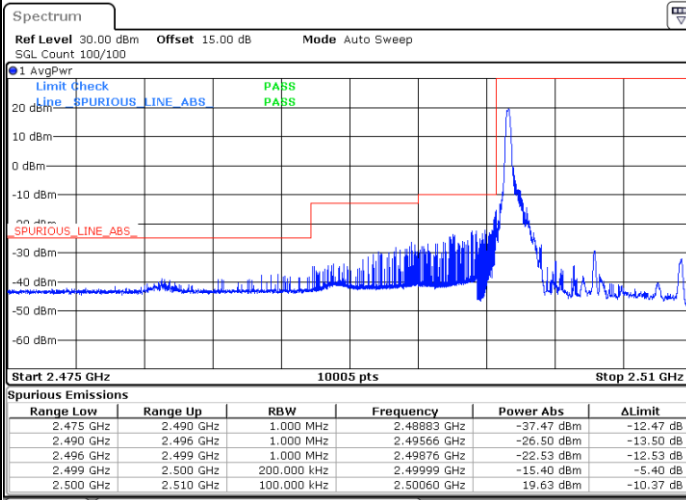


Date: 12.SEP.2024 12:19:48



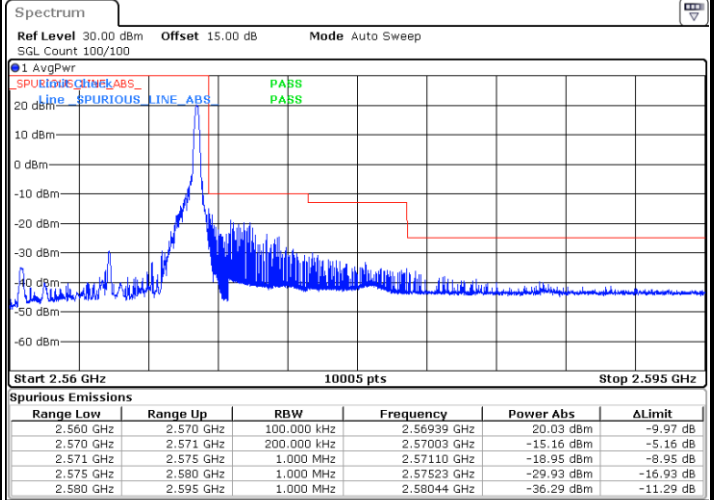
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1RB



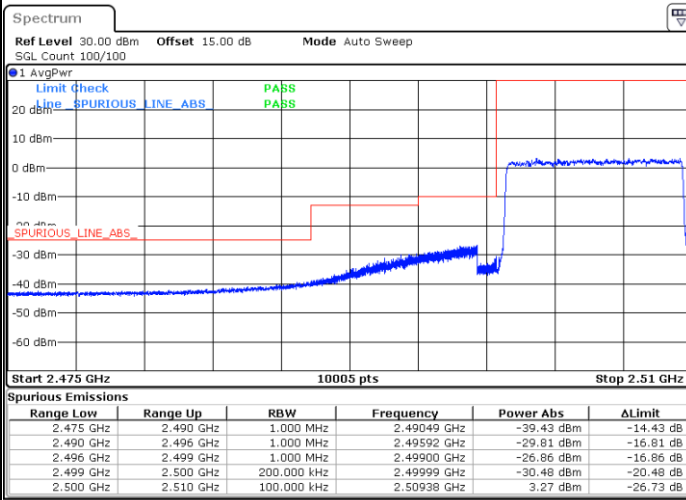
Date: 12.SEP.2024 12:08:18

Highest Band Edge / 1 RB



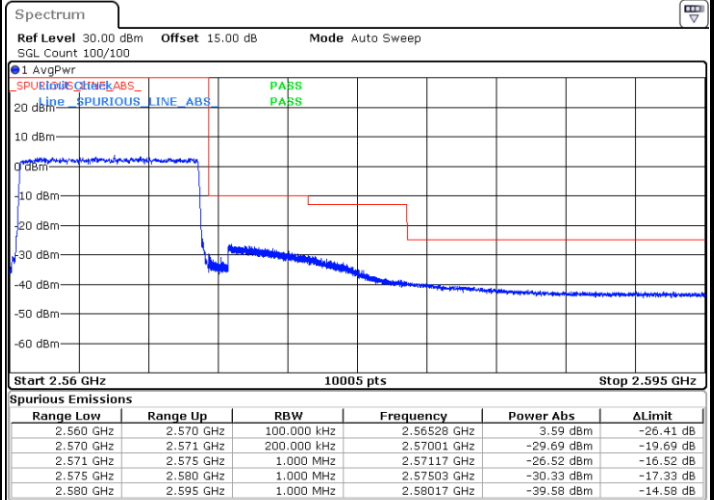
Date: 12.SEP.2024 12:17:57

Lowest Band Edge / Full RB



Date: 12.SEP.2024 12:11:04

Highest Band Edge / Full RB

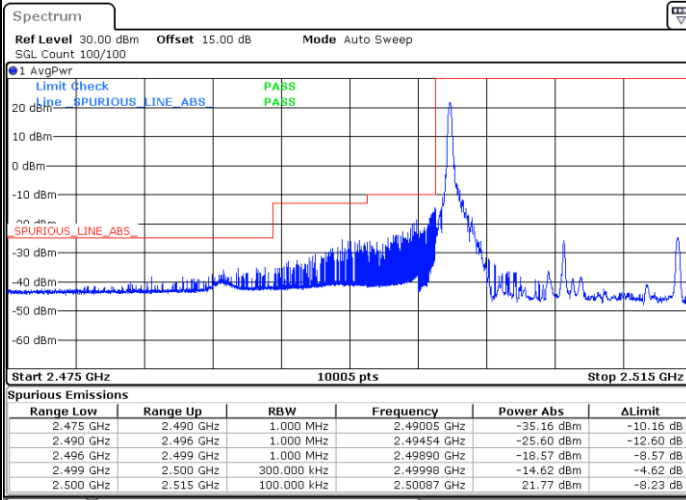


Date: 12.SEP.2024 12:20:44



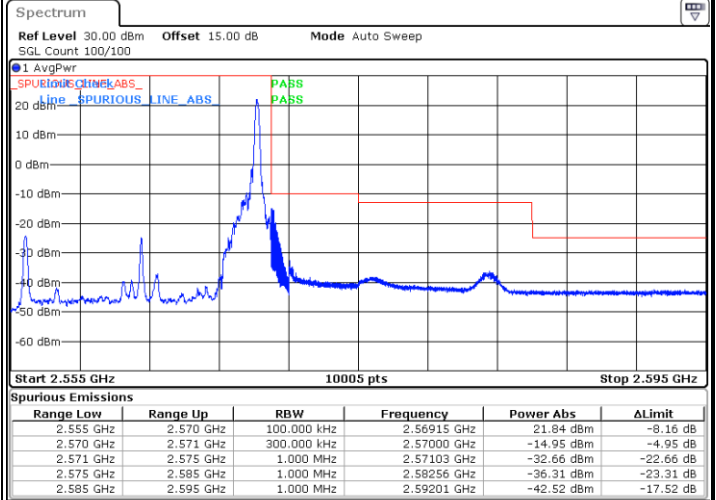
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



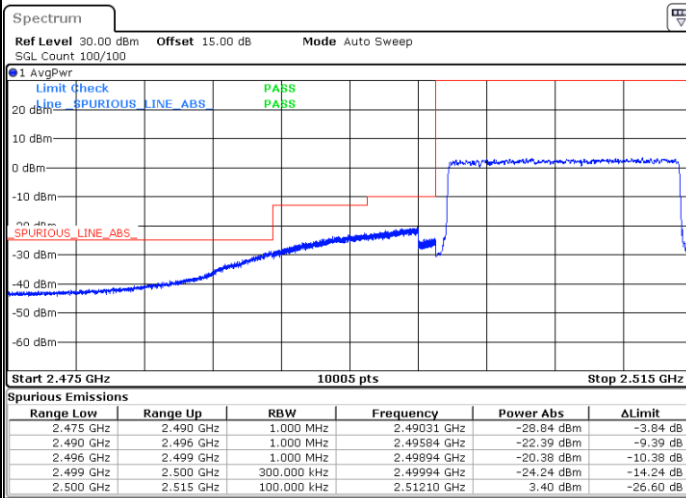
Date: 12.SEP.2024 16:00:45

Highest Band Edge / 1 RB



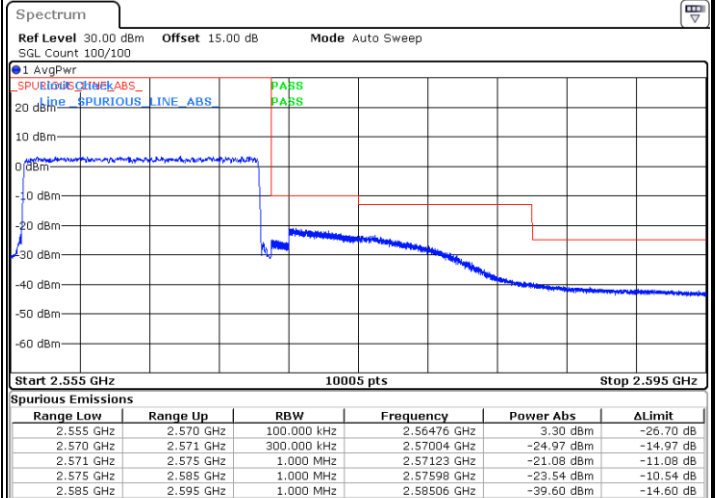
Date: 12.SEP.2024 12:33:34

Lowest Band Edge / Full RB



Date: 12.SEP.2024 12:26:40

Highest Band Edge / Full RB

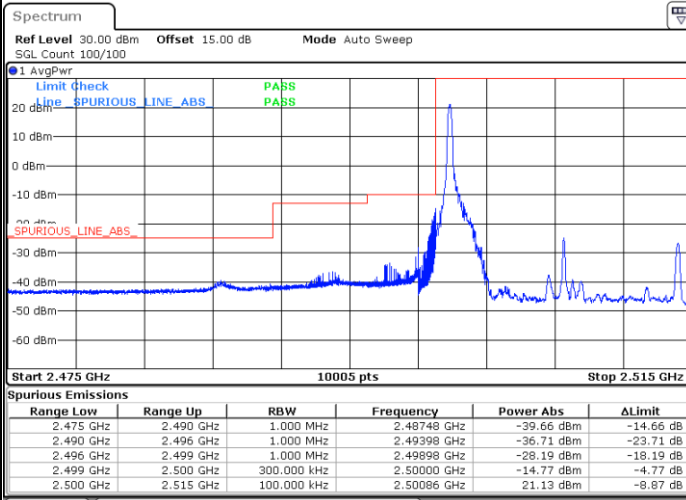


Date: 12.SEP.2024 12:36:21



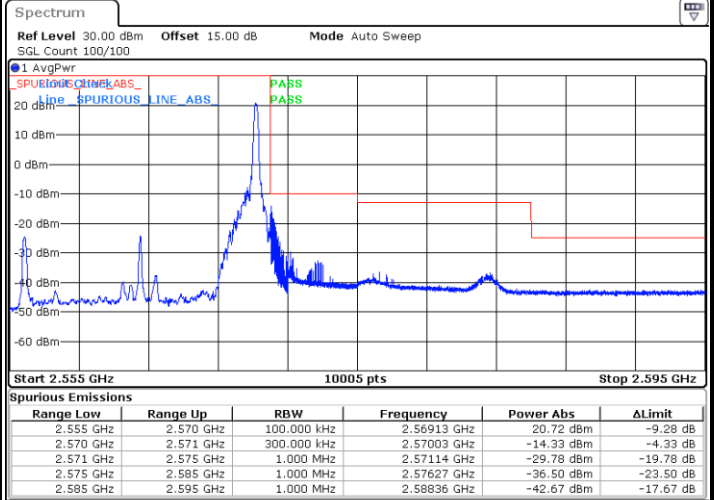
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1RB



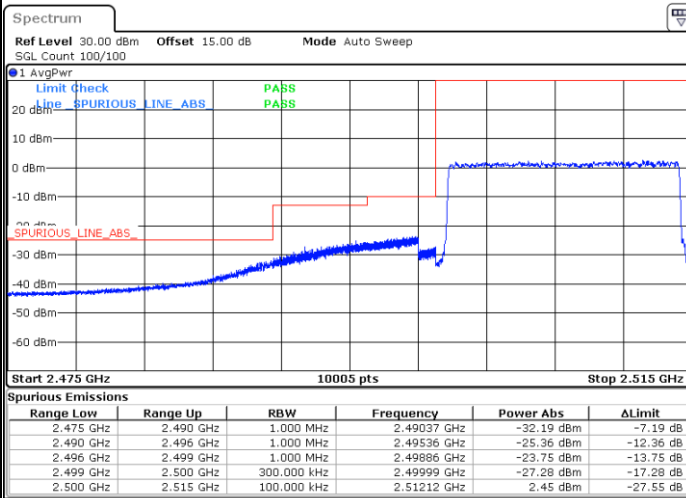
Date: 12.SEP.2024 12:24:49

Highest Band Edge / 1 RB



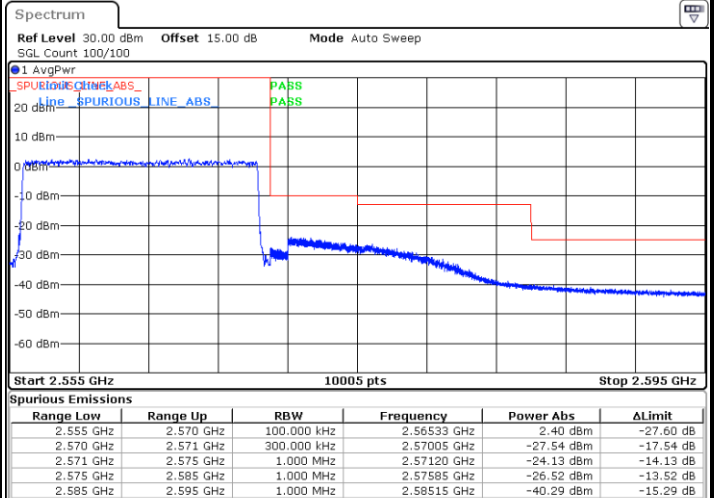
Date: 12.SEP.2024 12:34:29

Lowest Band Edge / Full RB



Date: 12.SEP.2024 12:27:36

Highest Band Edge / Full RB



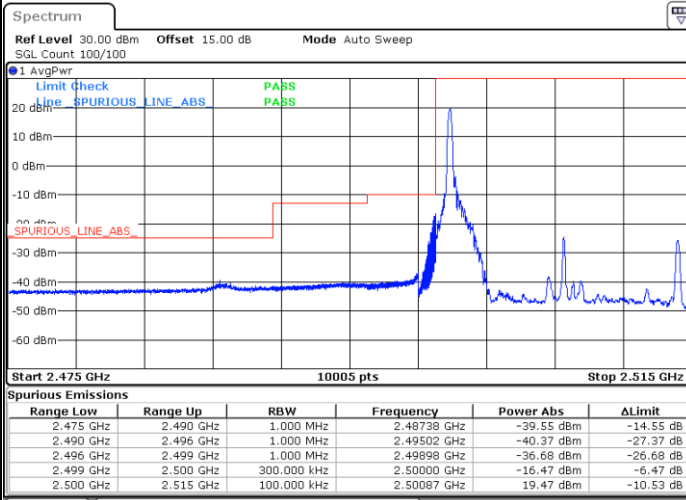
Date: 12.SEP.2024 12:37:16





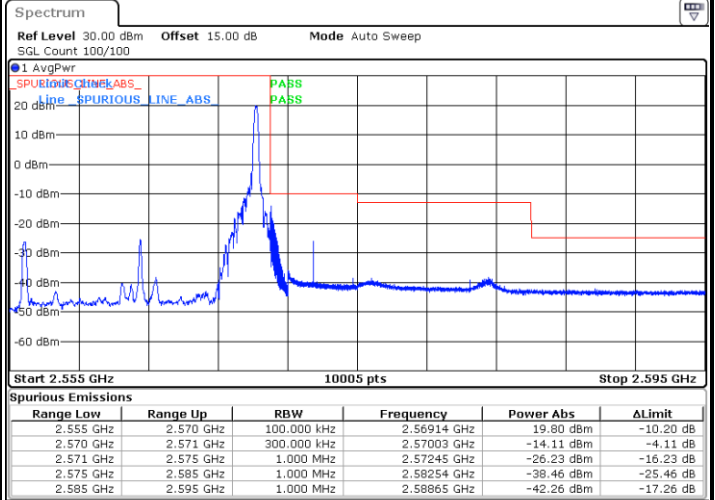
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1RB



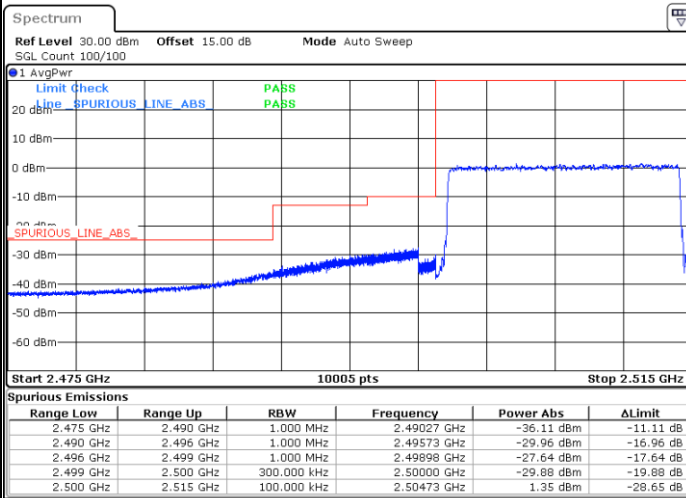
Date: 12.SEP.2024 12:25:44

Highest Band Edge / 1 RB



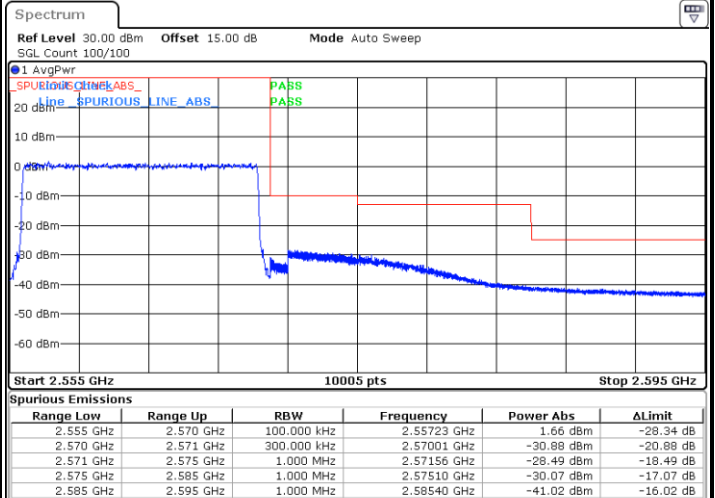
Date: 12.SEP.2024 12:35:25

Lowest Band Edge / Full RB



Date: 12.SEP.2024 12:28:32

Highest Band Edge / Full RB



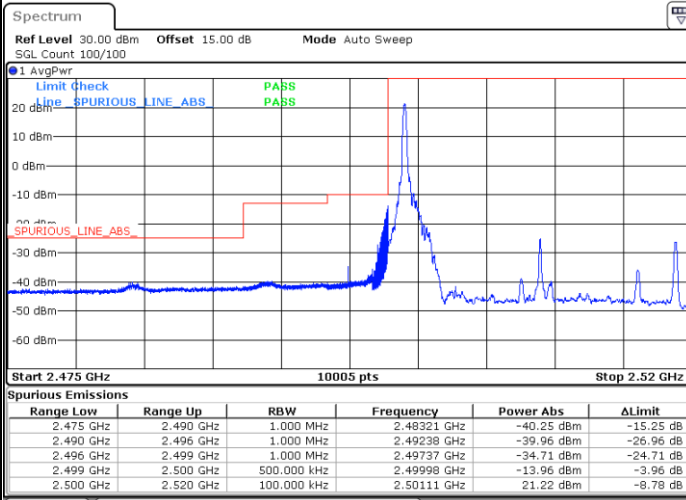
Date: 12.SEP.2024 12:38:11





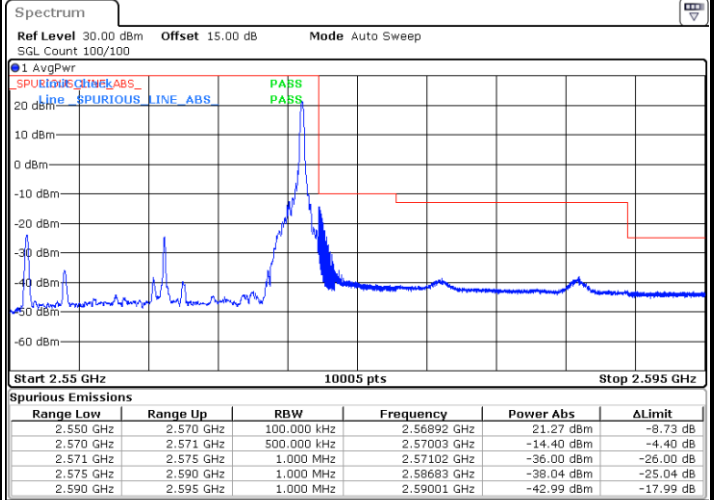
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



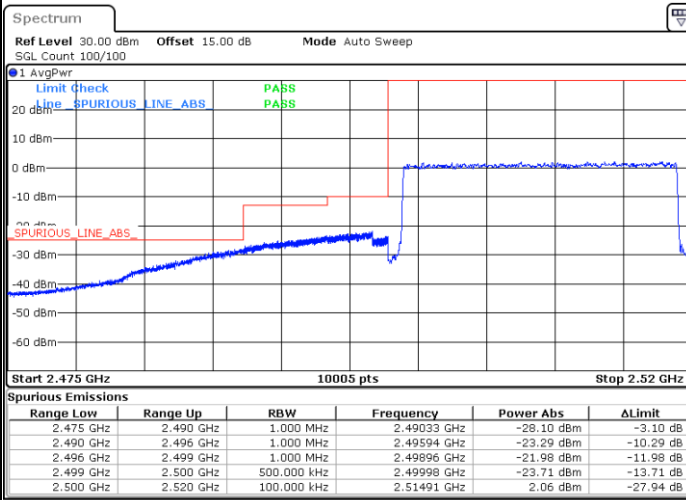
Date: 12.SEP.2024 12:41:14

Highest Band Edge / 1 RB



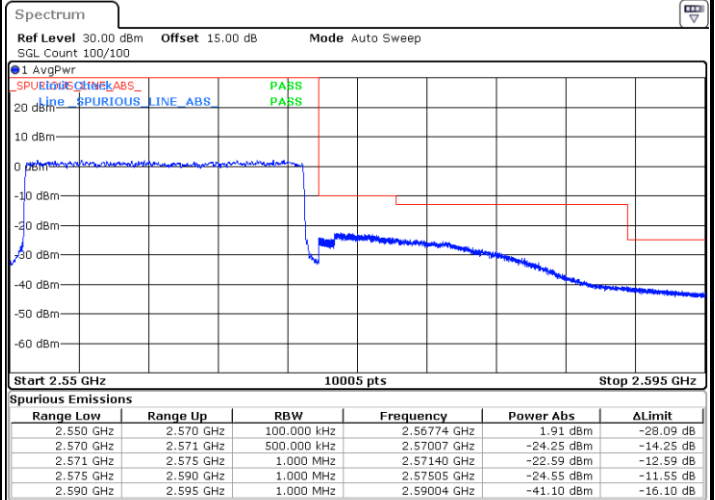
Date: 12.SEP.2024 12:52:16

Lowest Band Edge / Full RB



Date: 12.SEP.2024 16:31:52

Highest Band Edge / Full RB

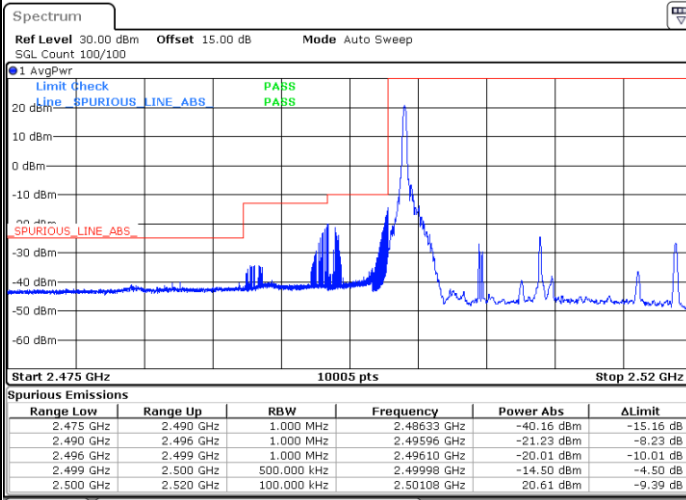


Date: 12.SEP.2024 12:55:02



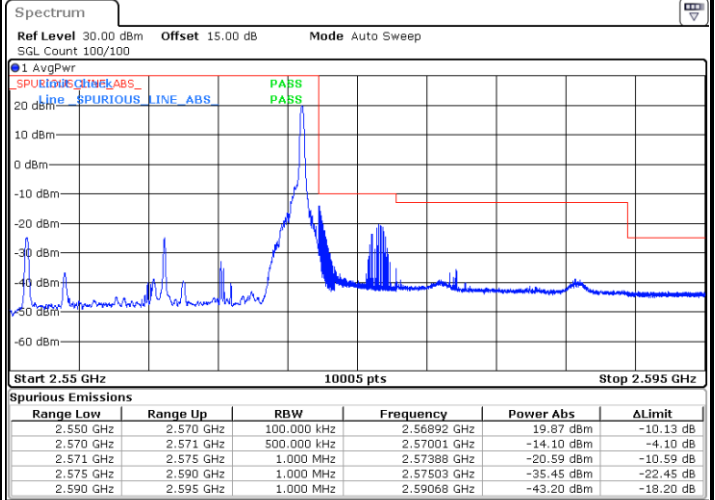
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1RB



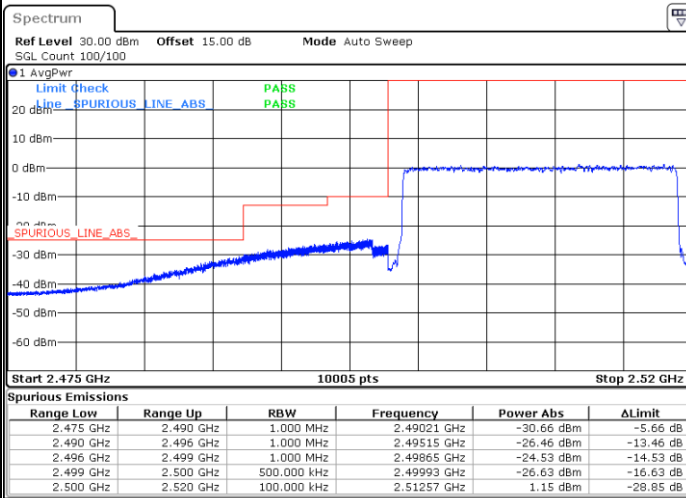
Date: 12.SEP.2024 12:42:10

Highest Band Edge / 1 RB



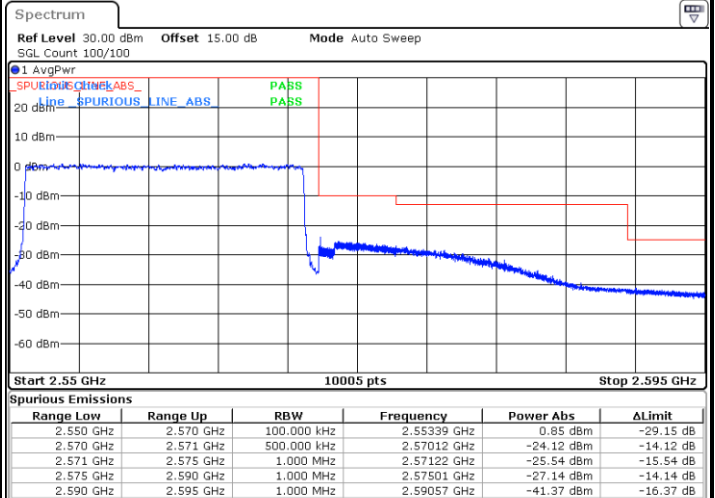
Date: 12.SEP.2024 12:53:11

Lowest Band Edge / Full RB



Date: 12.SEP.2024 12:44:57

Highest Band Edge / Full RB

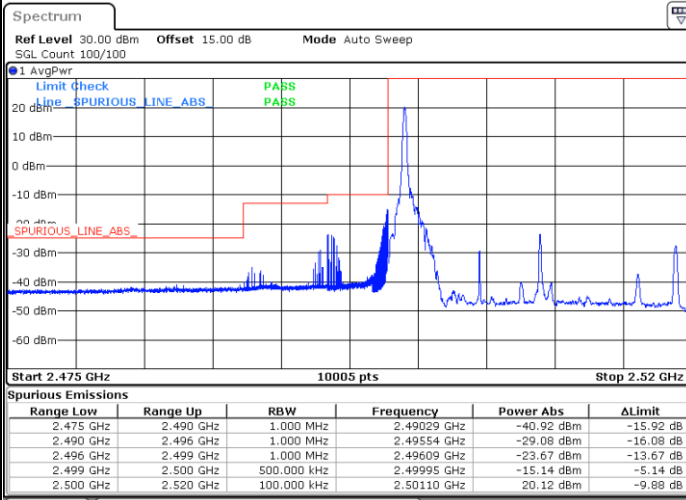


Date: 12.SEP.2024 12:55:58



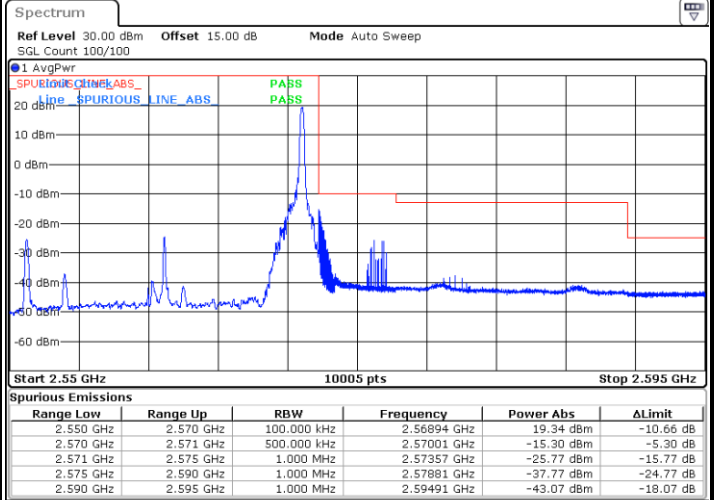
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1RB



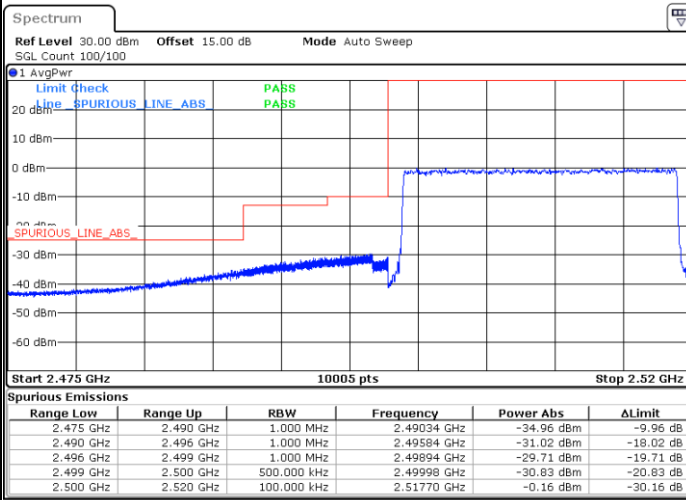
Date: 12.SEP.2024 12:43:06

Highest Band Edge / 1 RB



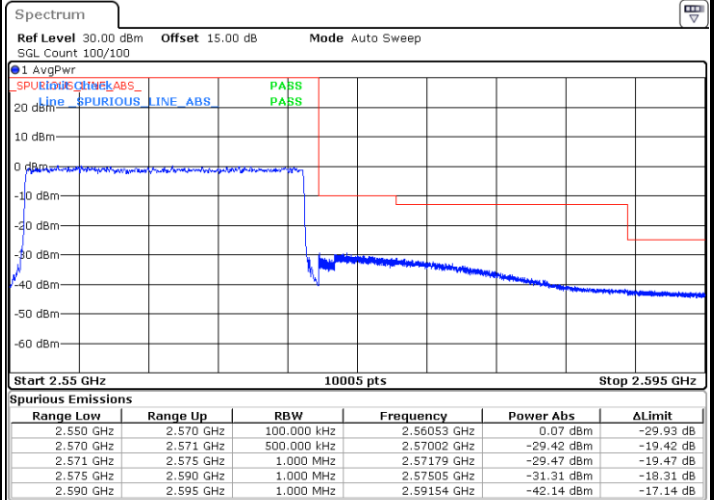
Date: 12.SEP.2024 12:54:07

Lowest Band Edge / Full RB



Date: 12.SEP.2024 12:45:53

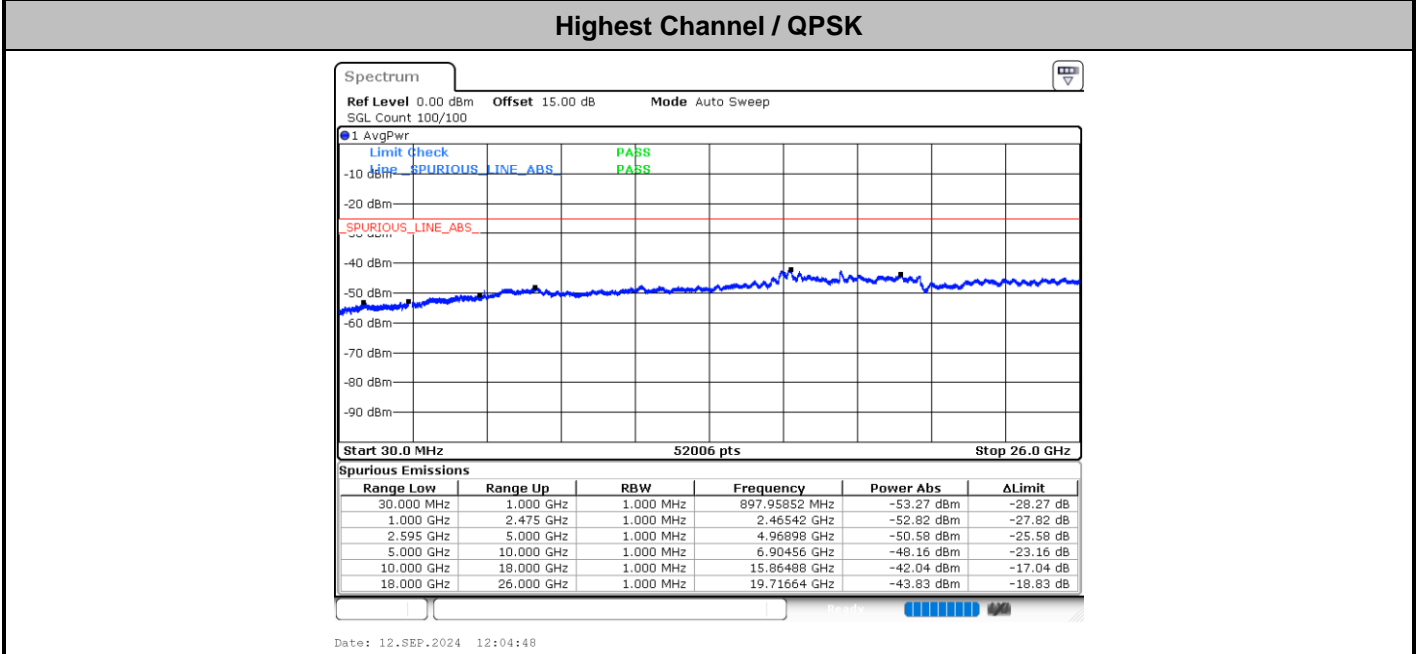
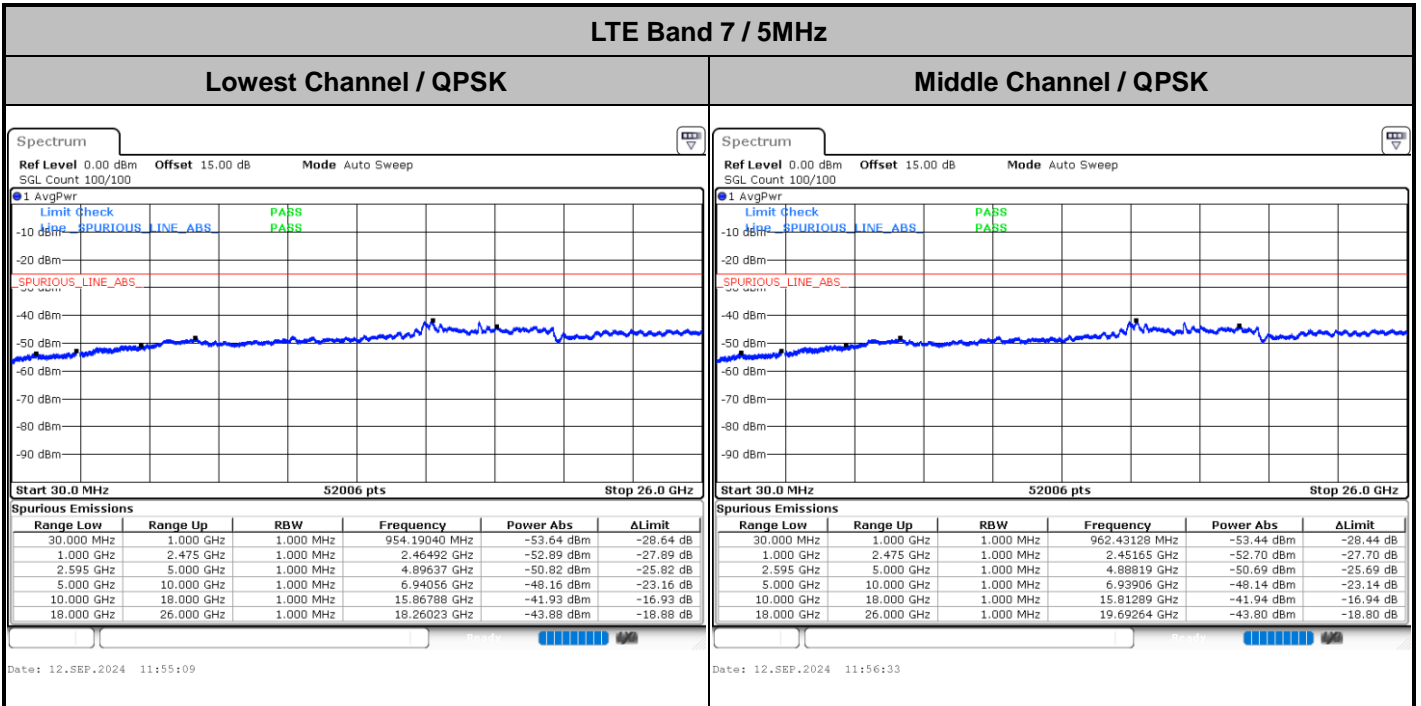
Highest Band Edge / Full RB



Date: 12.SEP.2024 12:56:53



# Conducted Spurious Emission

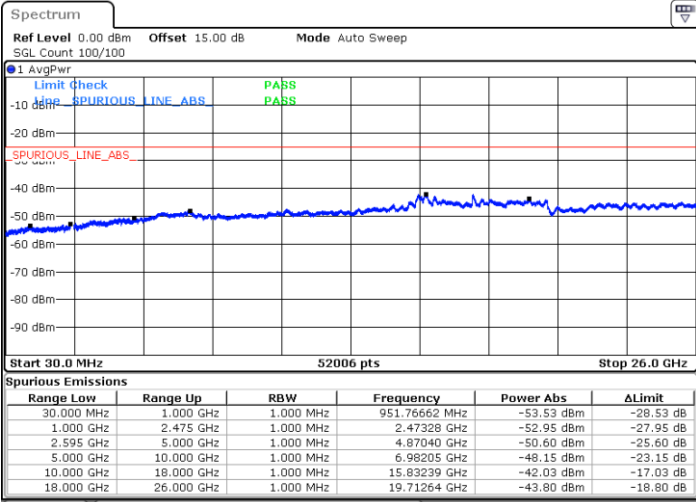




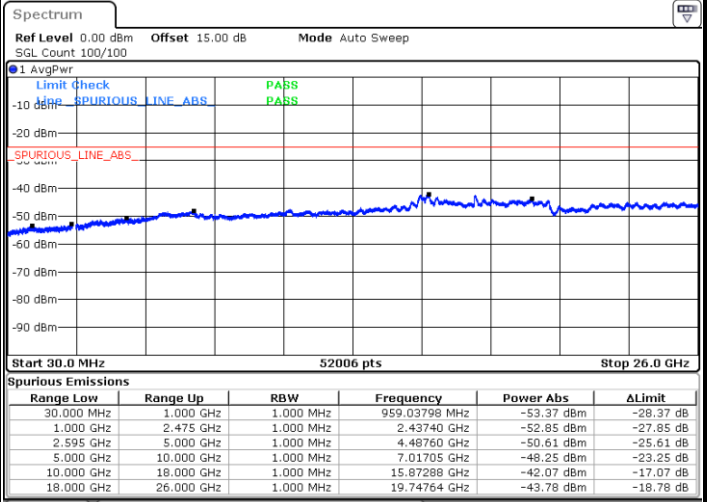
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

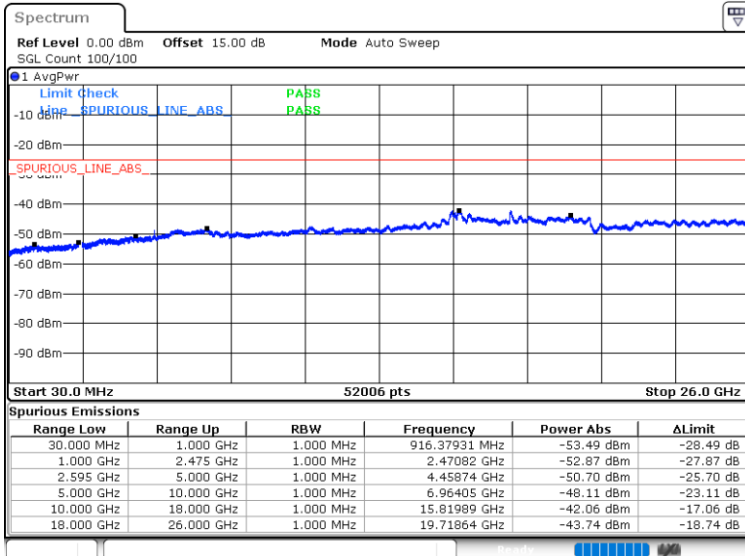


Date: 12.SEP.2024 12:12:28



Date: 12.SEP.2024 12:13:53

Highest Channel / QPSK

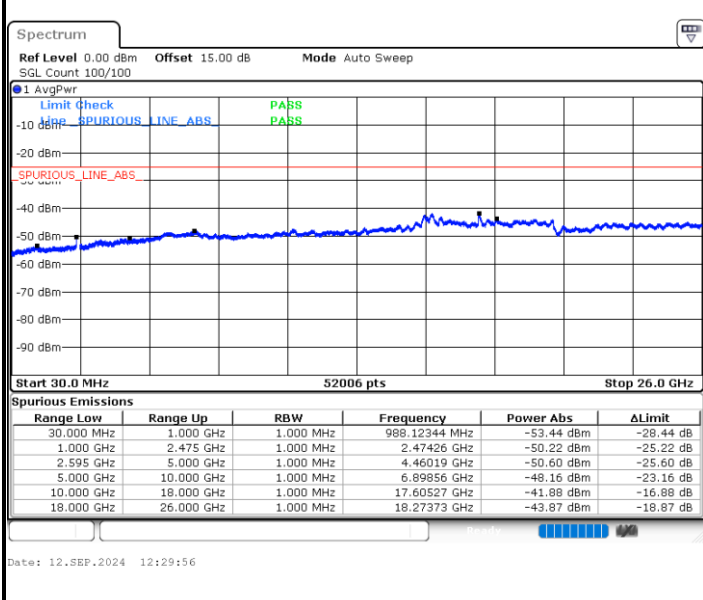


Date: 12.SEP.2024 12:22:08

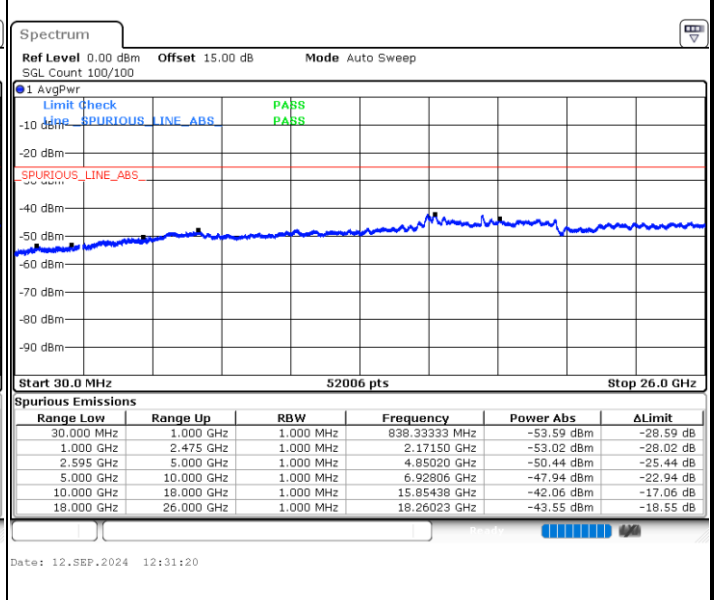


**LTE Band 7 / 15MHz**

**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

