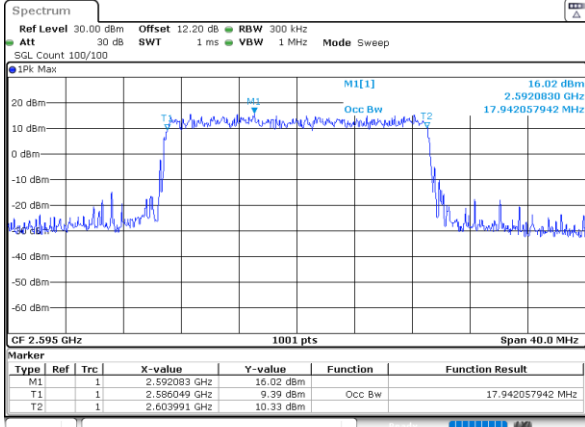




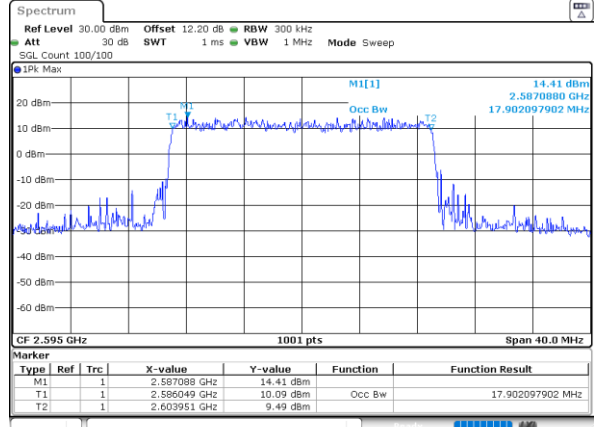
LTE Band 38

Middle Channel / 20MHz / QPSK



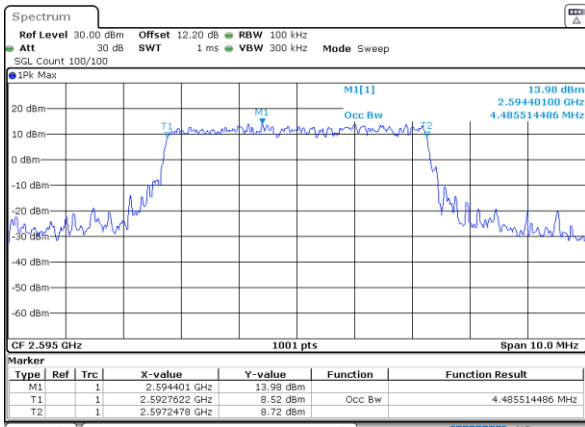
Date: 27.FEB.2024 23:10:05

Middle Channel / 20MHz / 16QAM



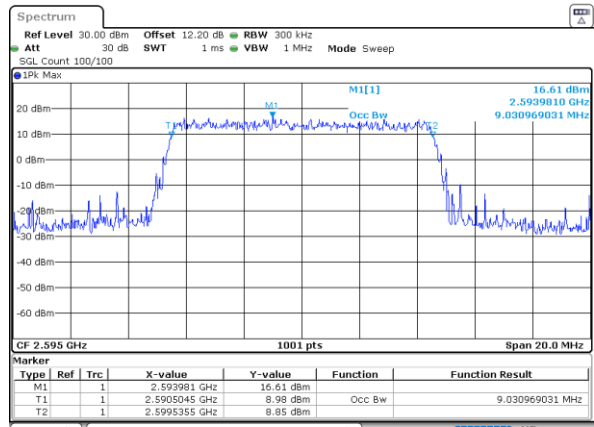
Date: 27.FEB.2024 23:10:30

Middle Channel / 5MHz / 64QAM



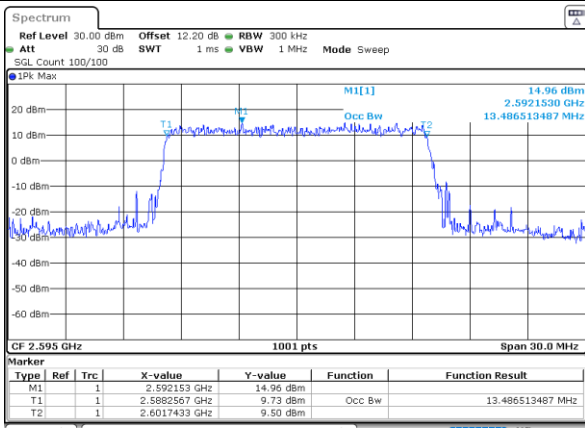
Date: 27.FEB.2024 23:15:09

Middle Channel / 10MHz / 64QAM



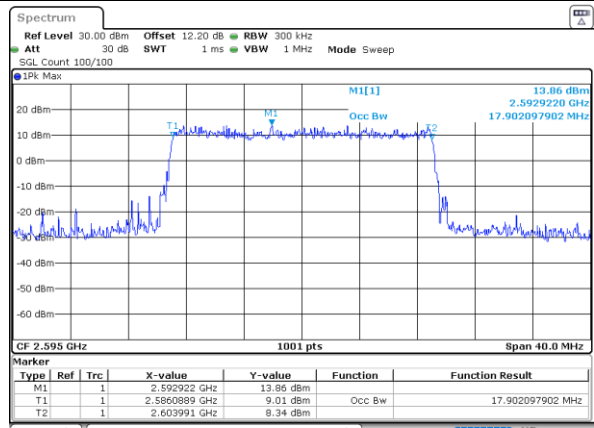
Date: 27.FEB.2024 23:19:08

Middle Channel / 15MHz / 64QAM



Date: 27.FEB.2024 23:23:10

Middle Channel / 20MHz / 64QAM

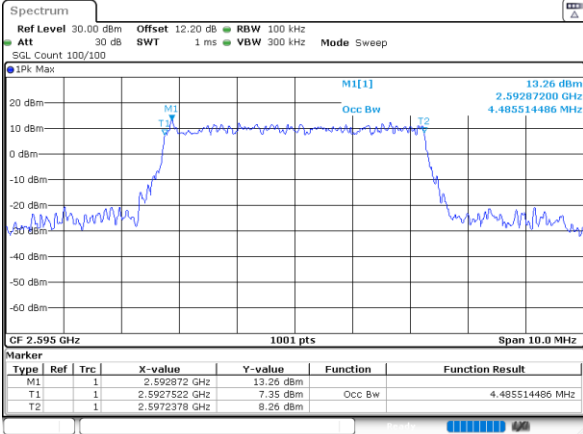


Date: 27.FEB.2024 23:27:06



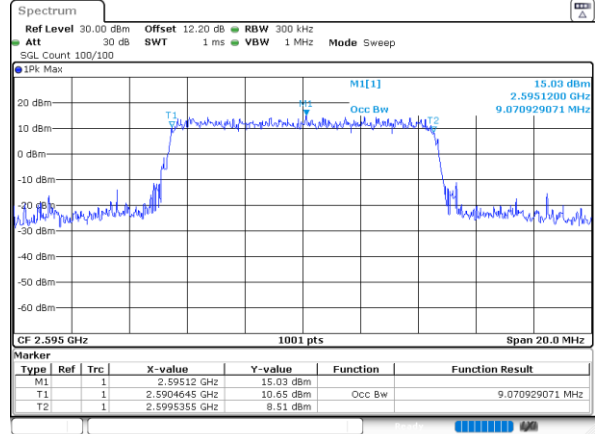
LTE Band 38

Middle Channel / 5MHz / 256QAM



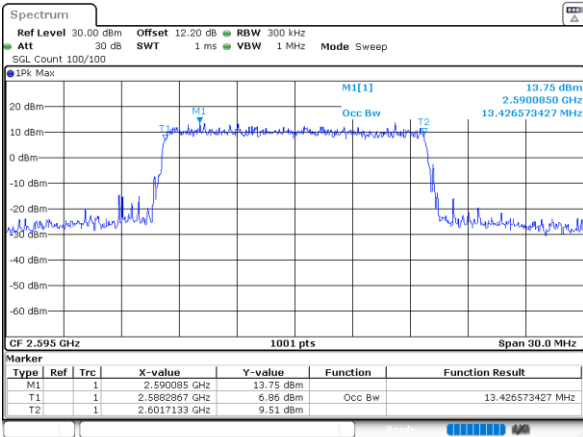
Date: 27.FEB.2024 23:33:23

Middle Channel / 10MHz / 256QAM



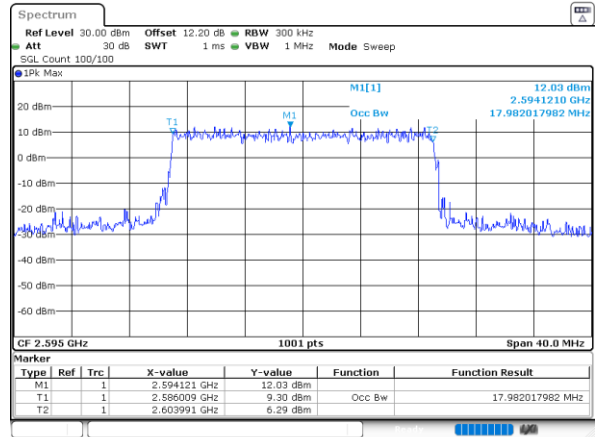
Date: 27.FEB.2024 23:40:03

Middle Channel / 15MHz / 256QAM



Date: 27.FEB.2024 23:45:39

Middle Channel / 20MHz / 256QAM



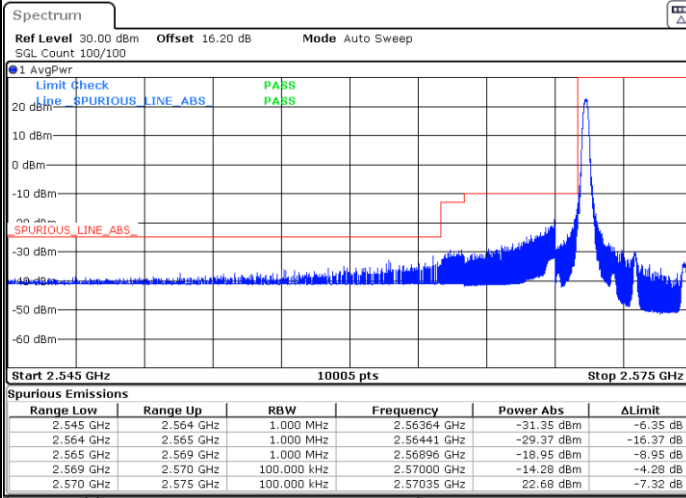
Date: 27.FEB.2024 23:50:47



Conducted Band Edge

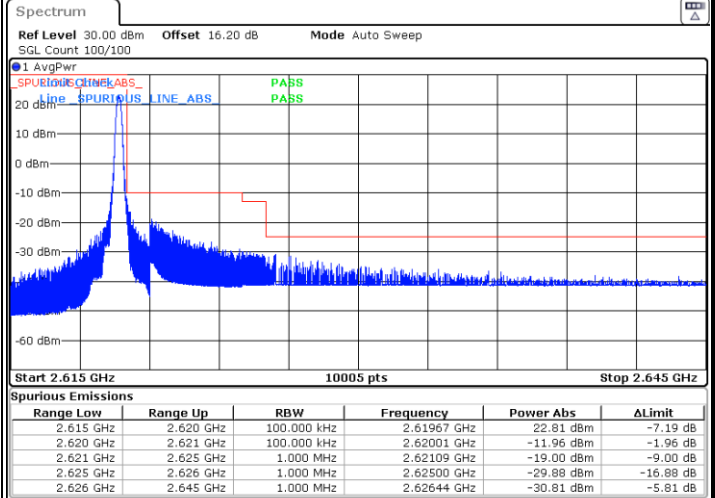
LTE Band 38 / 5MHz / QPSK

Lowest Band Edge / 1 RB



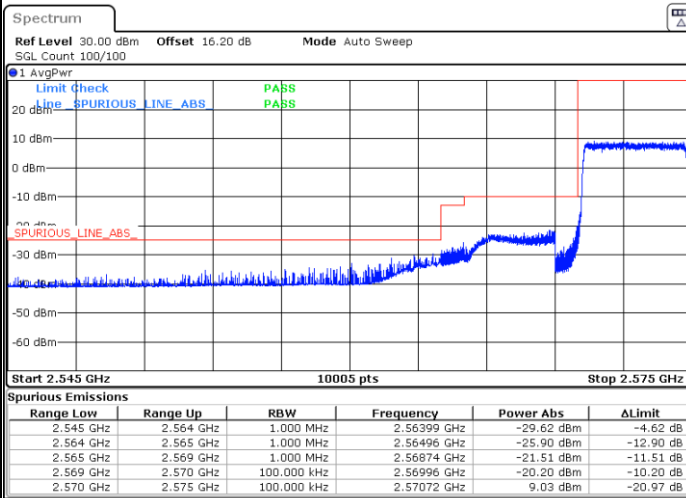
Date: 27.FEB.2024 22:04:02

Highest Band Edge / 1 RB



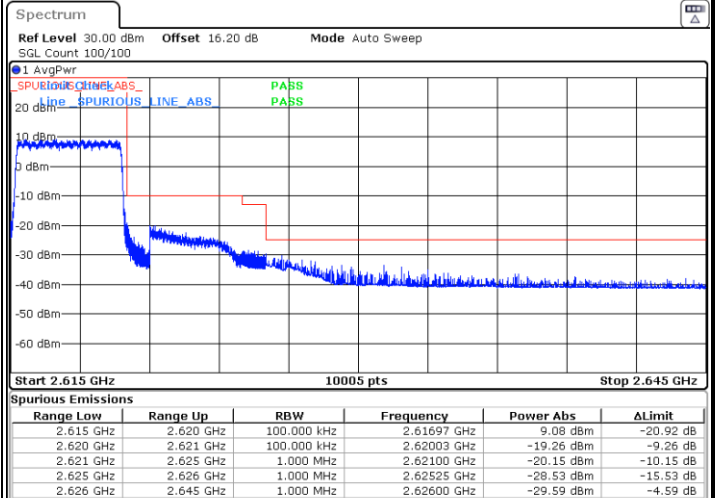
Date: 27.FEB.2024 22:09:31

Lowest Band Edge / Full RB



Date: 27.FEB.2024 22:05:52

Highest Band Edge / Full RB

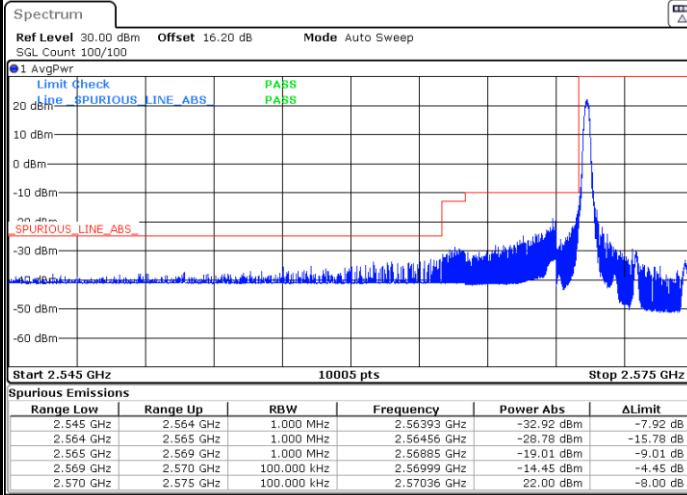


Date: 27.FEB.2024 22:07:41



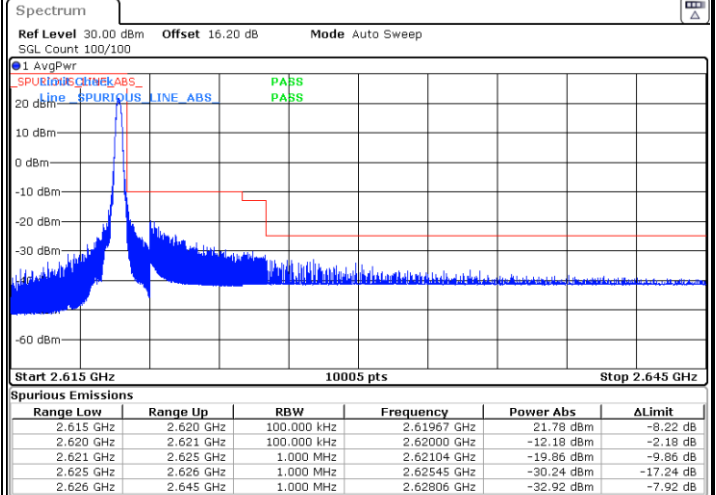
LTE Band 38 / 5MHz / 16QAM

Lowest Band Edge / 1RB



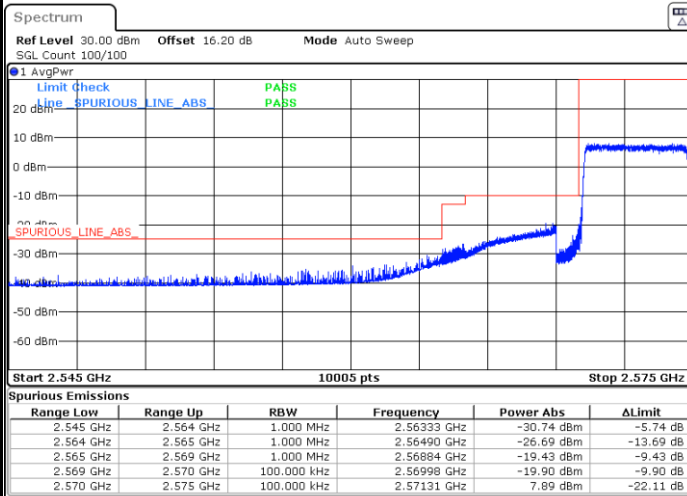
Date: 27.FEB.2024 22:04:57

Highest Band Edge / 1 RB



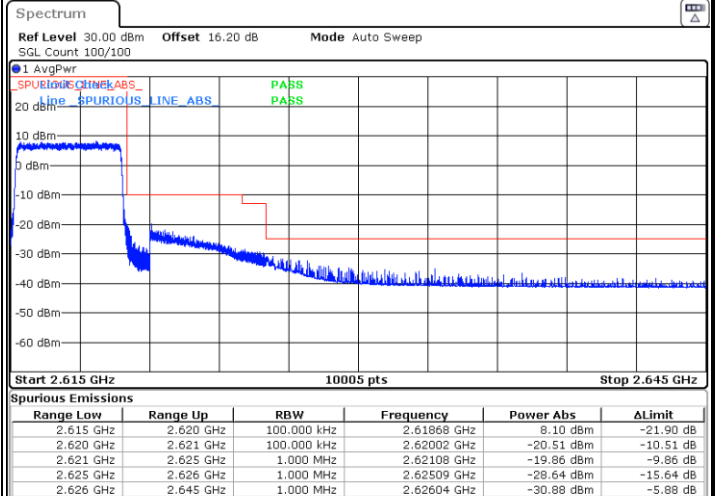
Date: 27.FEB.2024 22:10:25

Lowest Band Edge / Full RB



Date: 27.FEB.2024 22:06:47

Highest Band Edge / Full RB

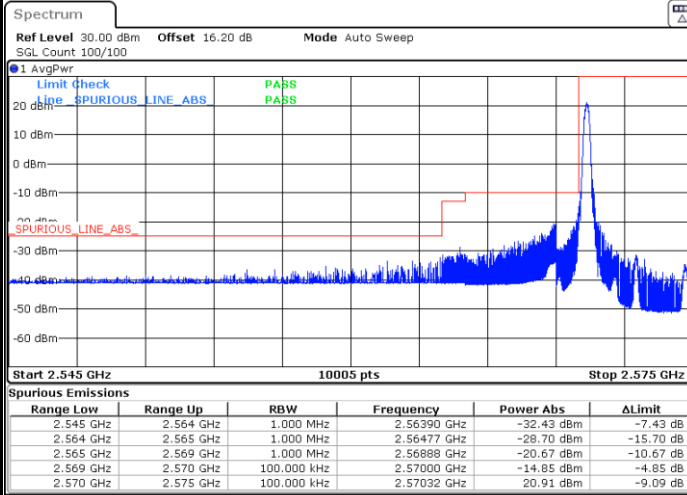


Date: 27.FEB.2024 22:08:36



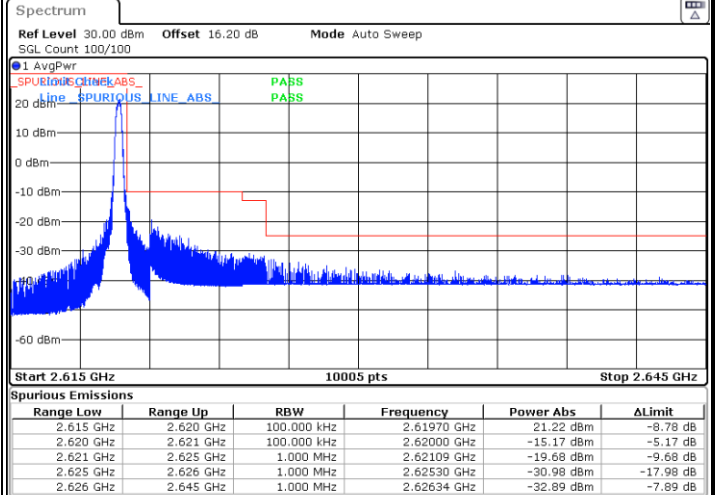
LTE Band 38 / 5MHz / 64QAM

Lowest Band Edge / 1RB



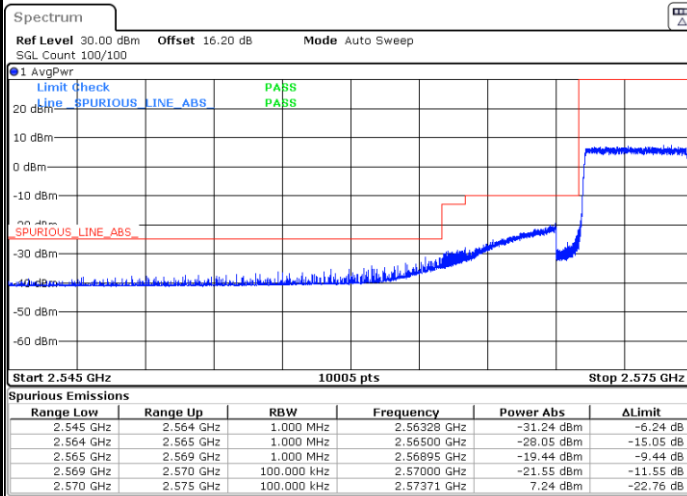
Date: 27.FEB.2024 22:11:20

Highest Band Edge / 1 RB



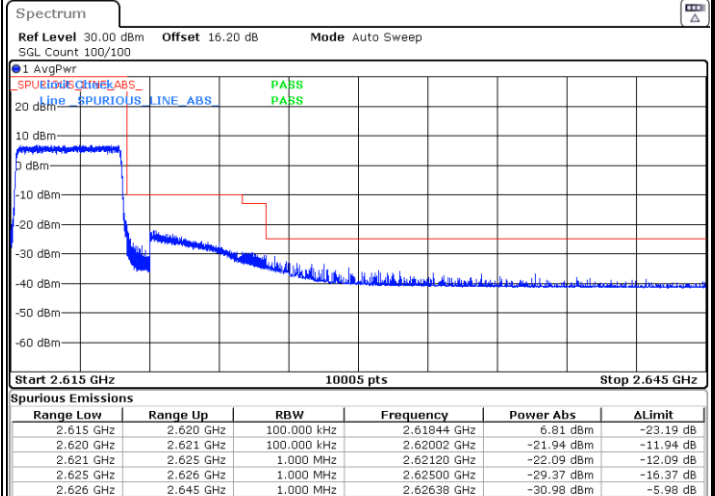
Date: 27.FEB.2024 22:14:04

Lowest Band Edge / Full RB



Date: 27.FEB.2024 22:12:15

Highest Band Edge / Full RB

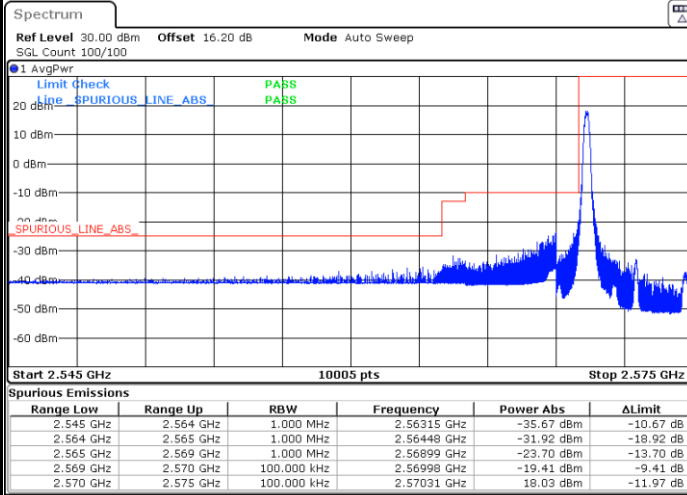


Date: 27.FEB.2024 22:13:09



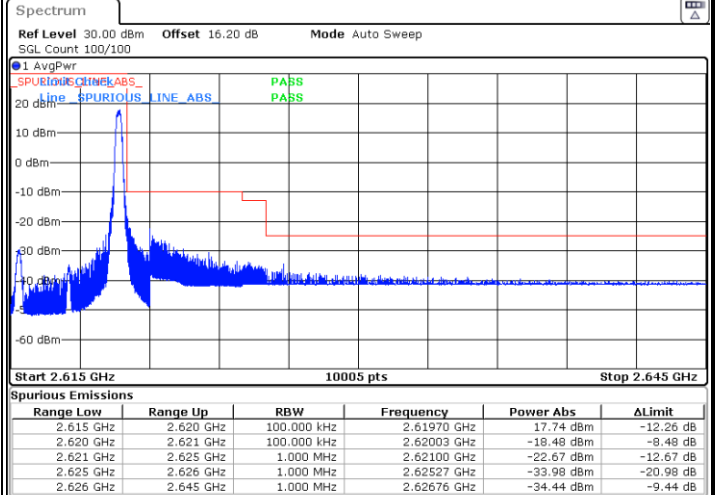
LTE Band 38 / 5MHz / 256QAM

Lowest Band Edge / 1RB



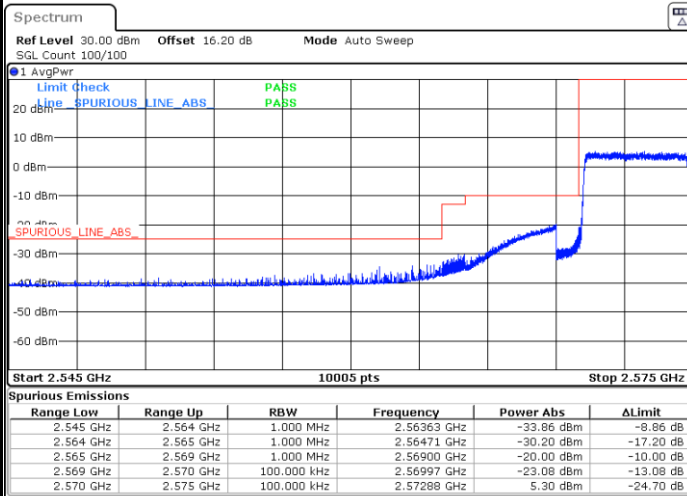
Date: 27.FEB.2024 22:39:38

Highest Band Edge / 1 RB



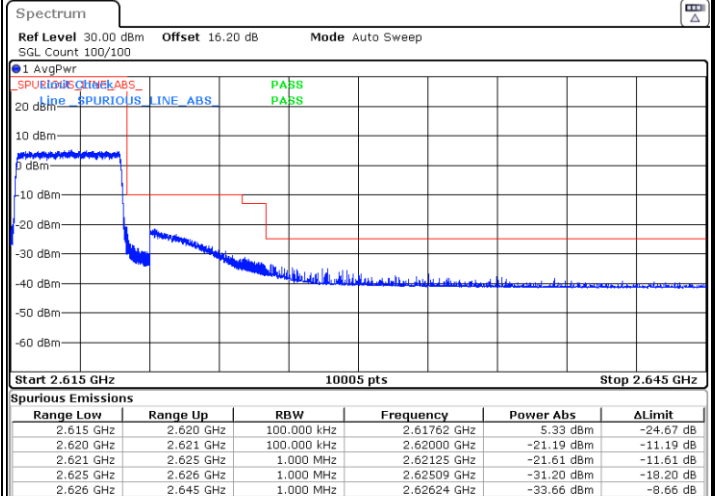
Date: 27.FEB.2024 22:45:14

Lowest Band Edge / Full RB



Date: 27.FEB.2024 22:41:24

Highest Band Edge / Full RB

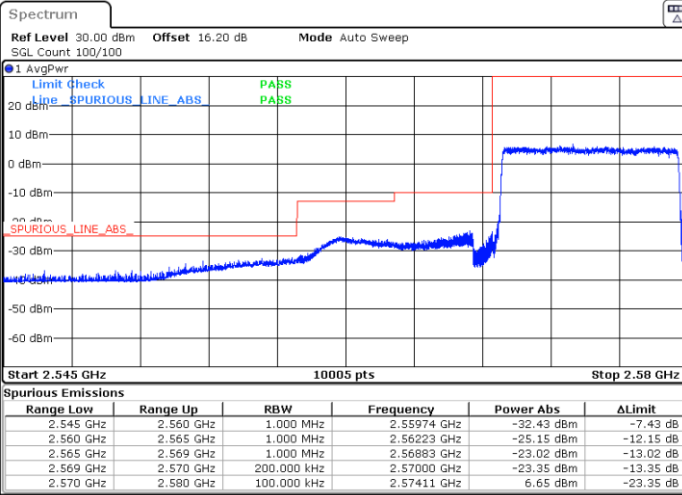


Date: 27.FEB.2024 22:42:22



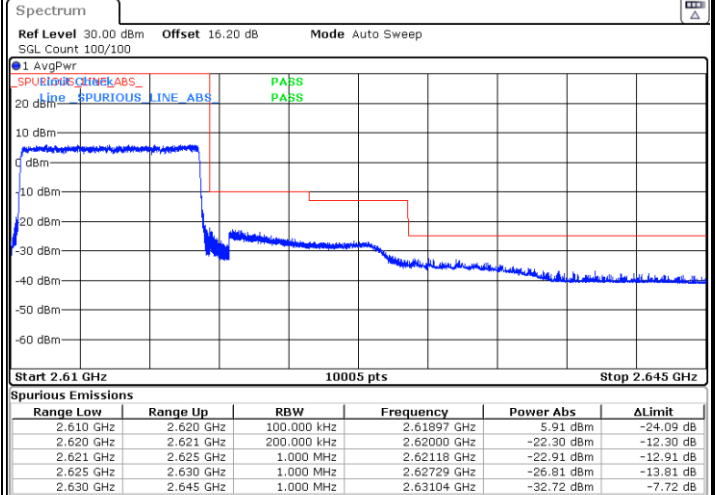
LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 27.FEB.2024 22:17:34

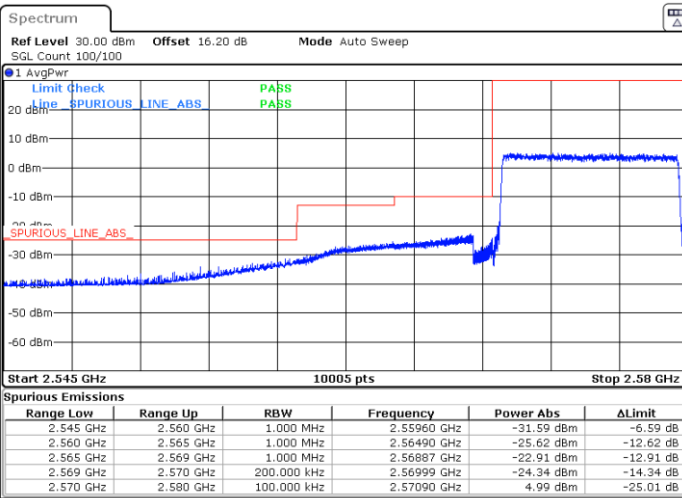
Highest Band Edge / Full RB



Date: 27.FEB.2024 22:19:23

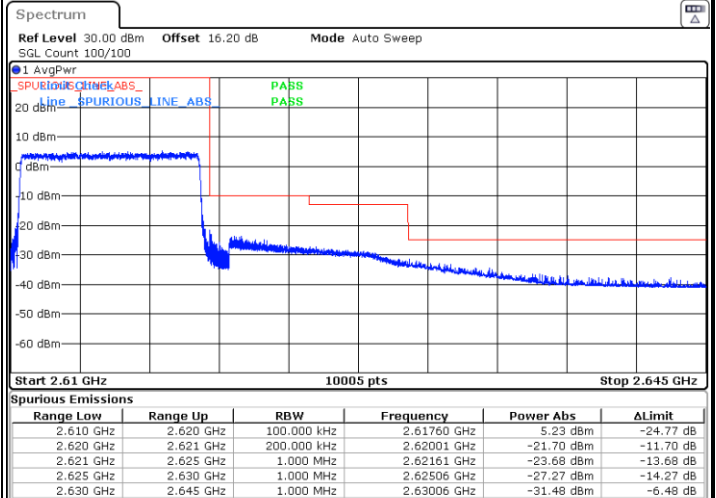
LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 27.FEB.2024 22:18:29

Highest Band Edge / Full RB

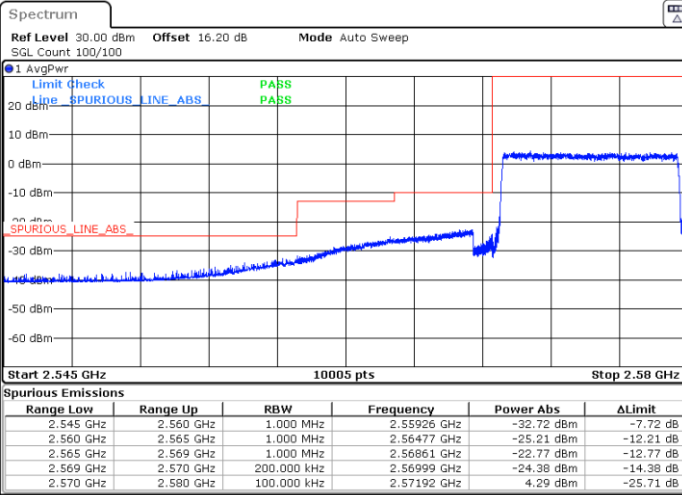


Date: 27.FEB.2024 22:20:18



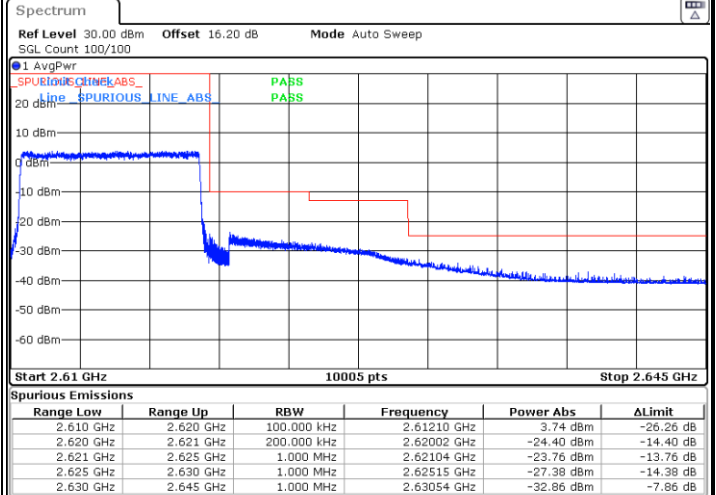
LTE Band 38 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 27.FEB.2024 22:15:45

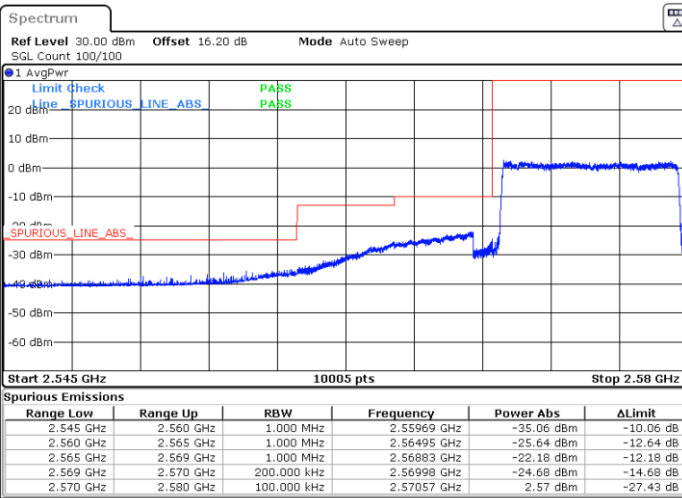
Highest Band Edge / Full RB



Date: 27.FEB.2024 22:16:39

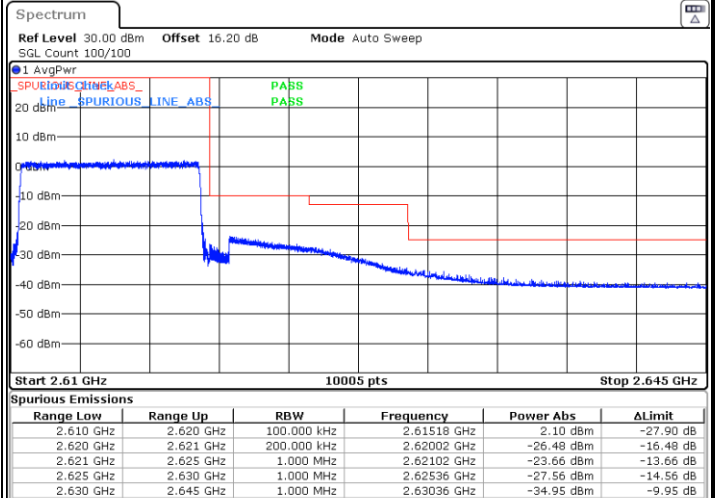
LTE Band 38 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 27.FEB.2024 22:47:00

Highest Band Edge / Full RB

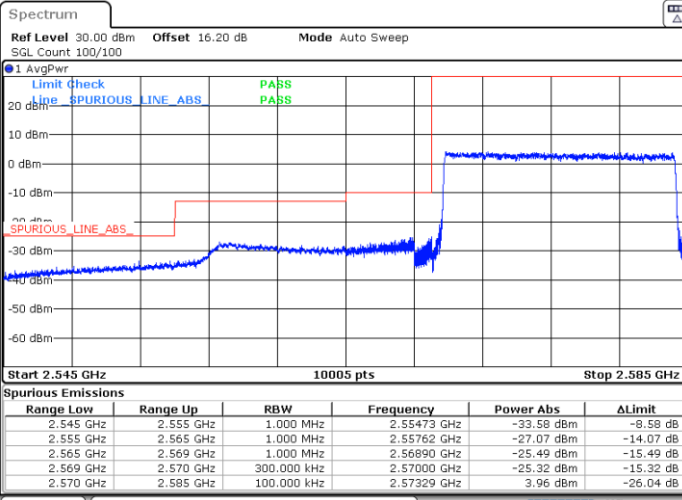


Date: 27.FEB.2024 22:47:58



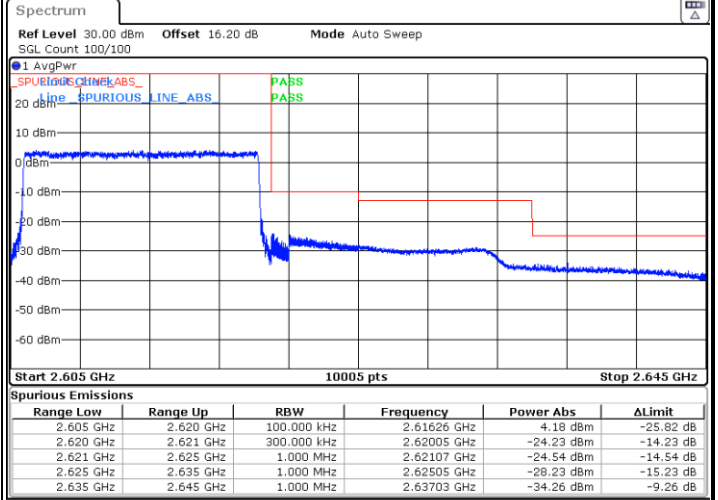
LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 27.FEB.2024 22:21:59

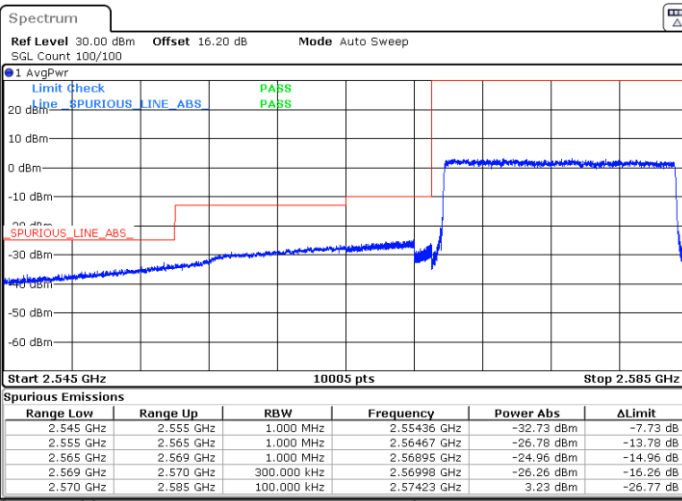
Highest Band Edge / Full RB



Date: 27.FEB.2024 22:23:48

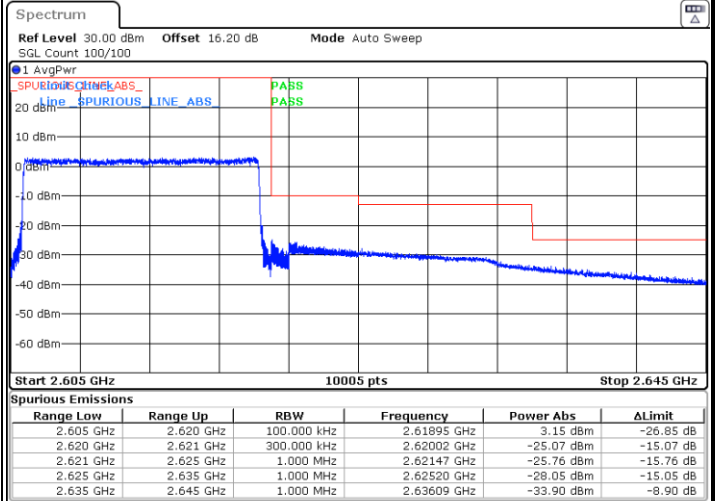
LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 27.FEB.2024 22:22:54

Highest Band Edge / Full RB

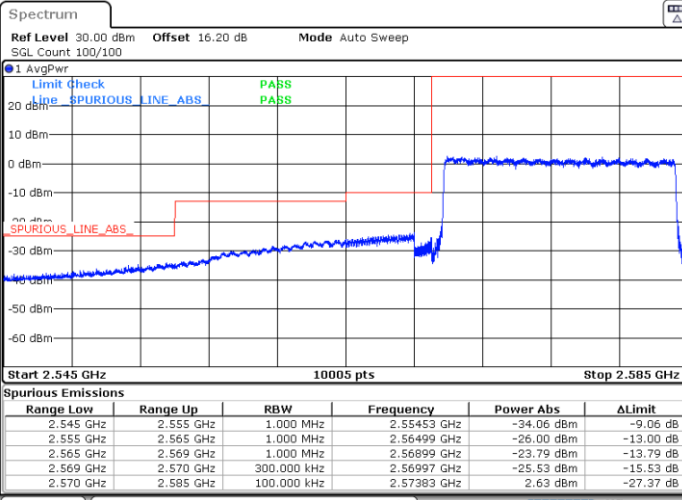


Date: 27.FEB.2024 22:24:43



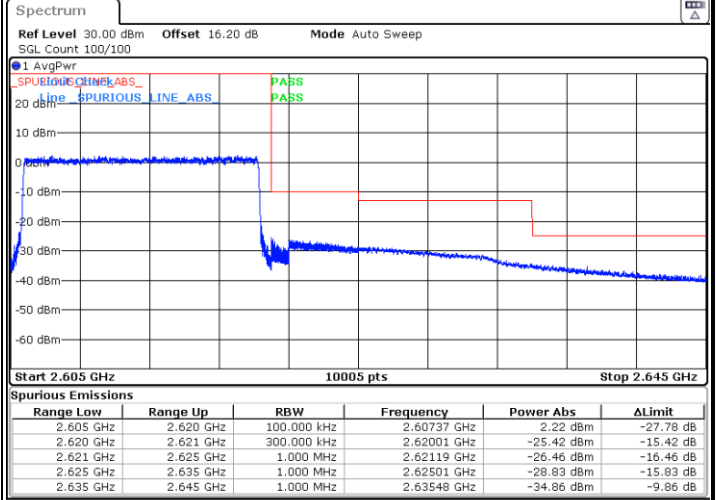
LTE Band 38 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 27.FEB.2024 22:25:38

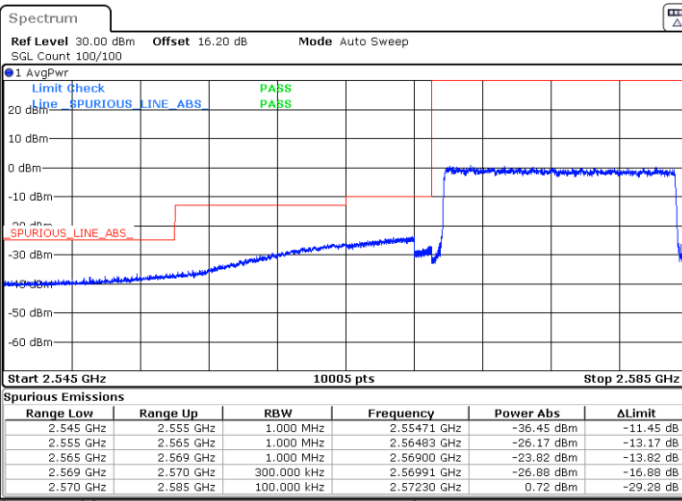
Highest Band Edge / Full RB



Date: 27.FEB.2024 22:26:32

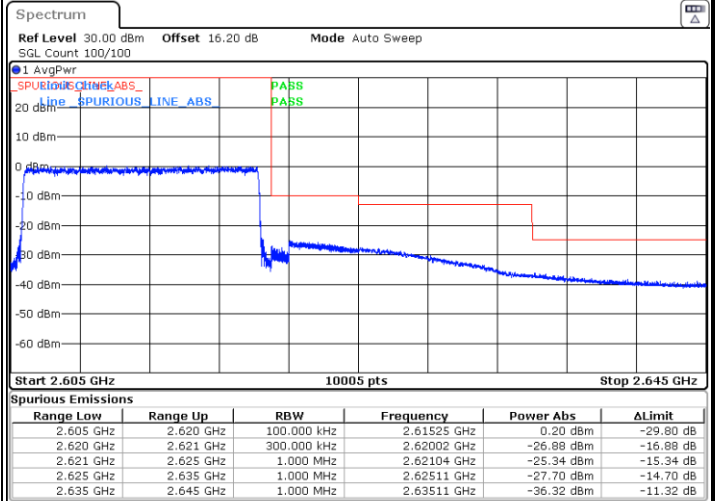
LTE Band 38 / 15MHz / 256QAM

Lowest Band Edge / Full RB



Date: 27.FEB.2024 22:50:19

Highest Band Edge / Full RB

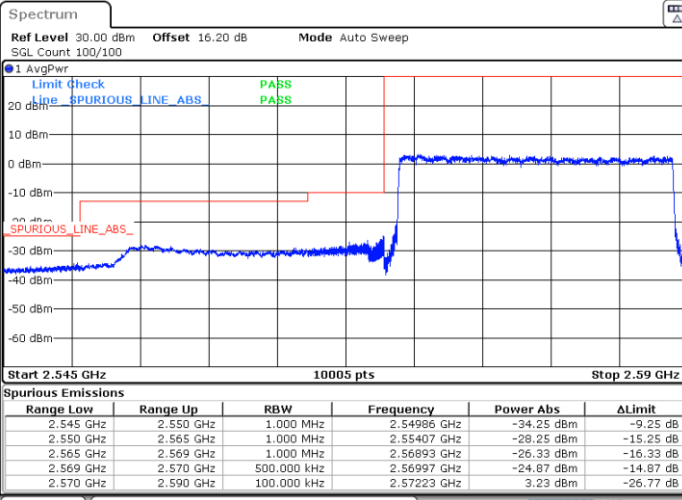


Date: 27.FEB.2024 22:51:16



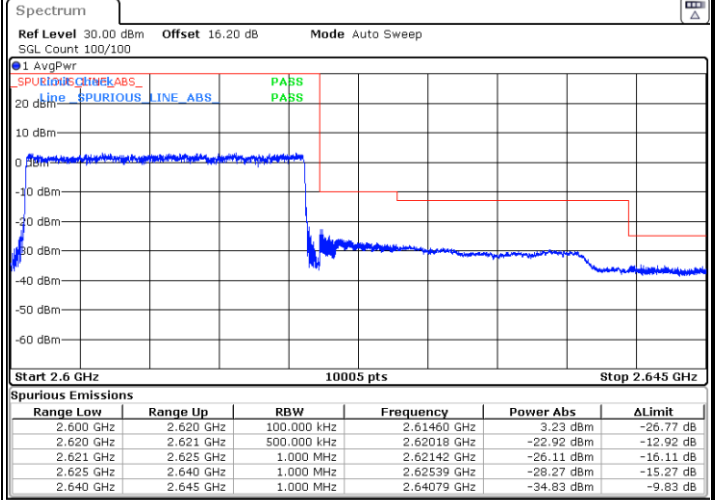
LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 27.FEB.2024 22:28:13

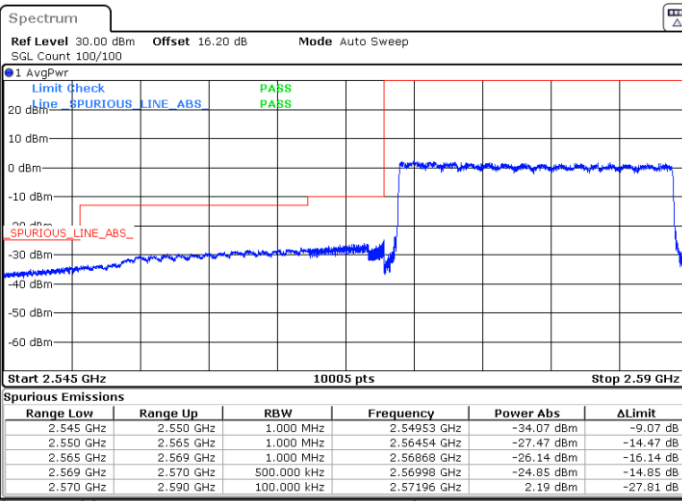
Highest Band Edge / Full RB



Date: 27.FEB.2024 22:30:02

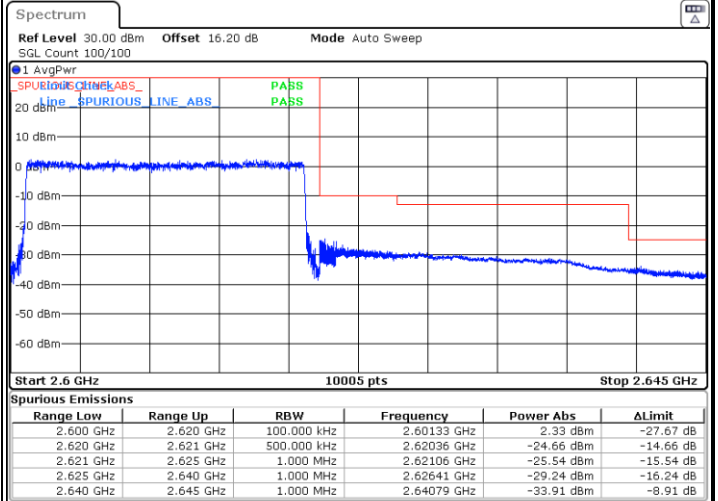
LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 27.FEB.2024 22:29:08

Highest Band Edge / Full RB

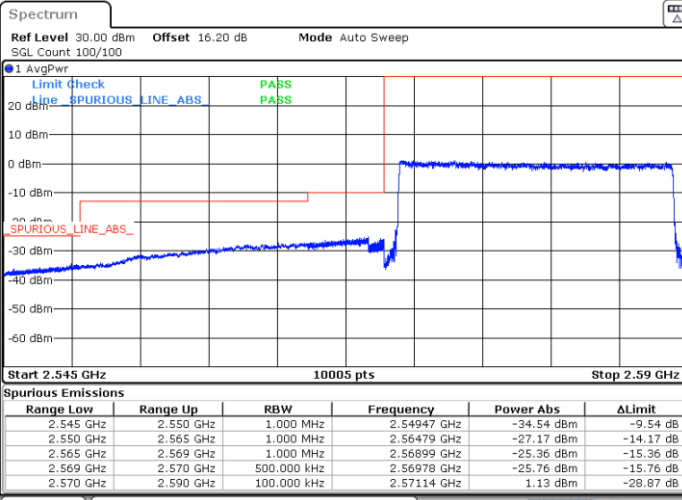


Date: 27.FEB.2024 22:30:57



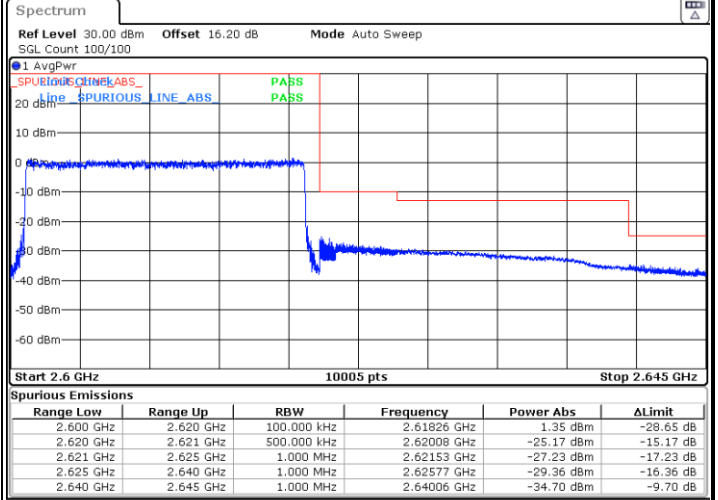
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 27.FEB.2024 22:31:51

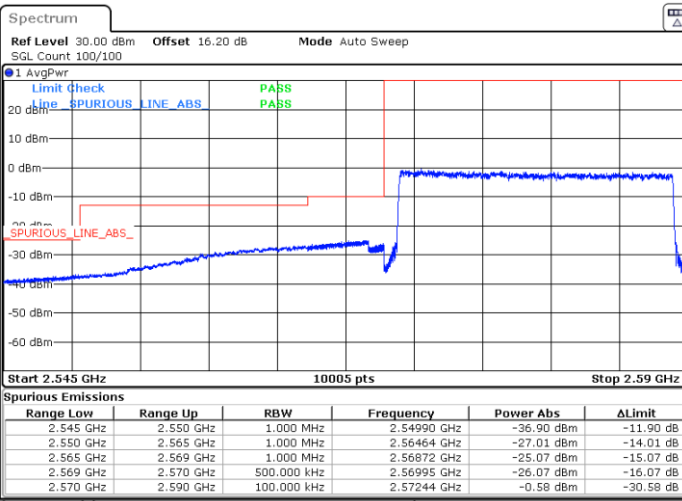
Highest Band Edge / Full RB



Date: 27.FEB.2024 22:32:46

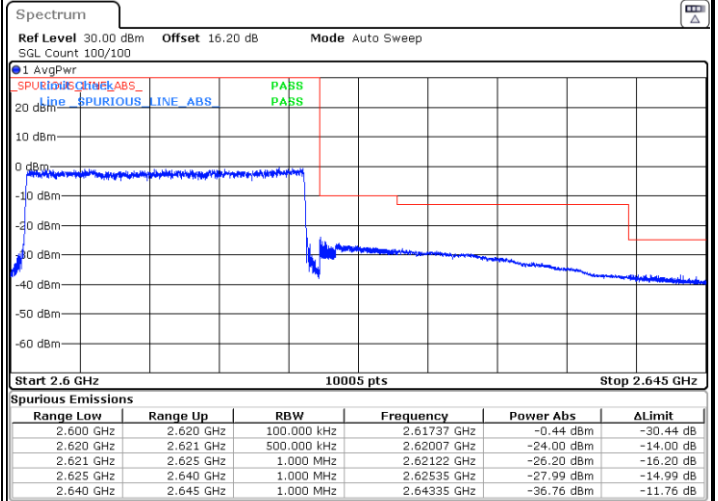
LTE Band 38 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Date: 27.FEB.2024 22:53:02

Highest Band Edge / Full RB



Date: 27.FEB.2024 22:53:59

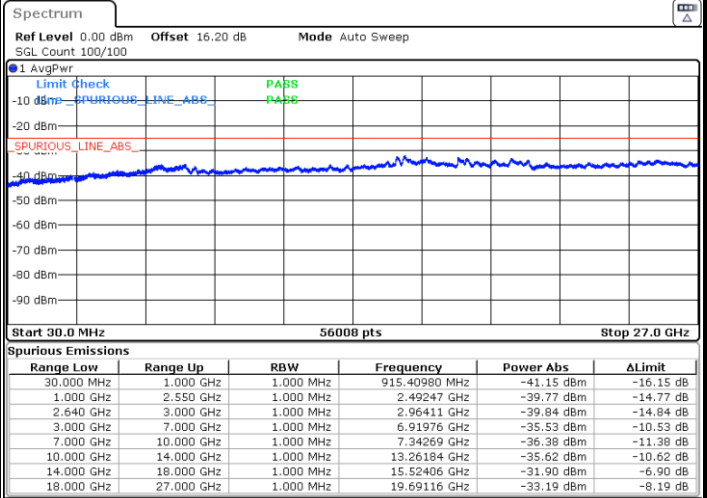
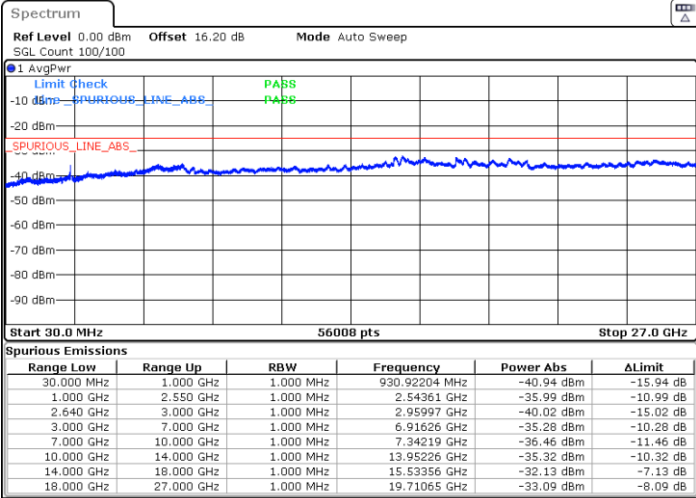


Conducted Spurious Emission

LTE Band 38 / 5MHz

Lowest Channel / QPSK

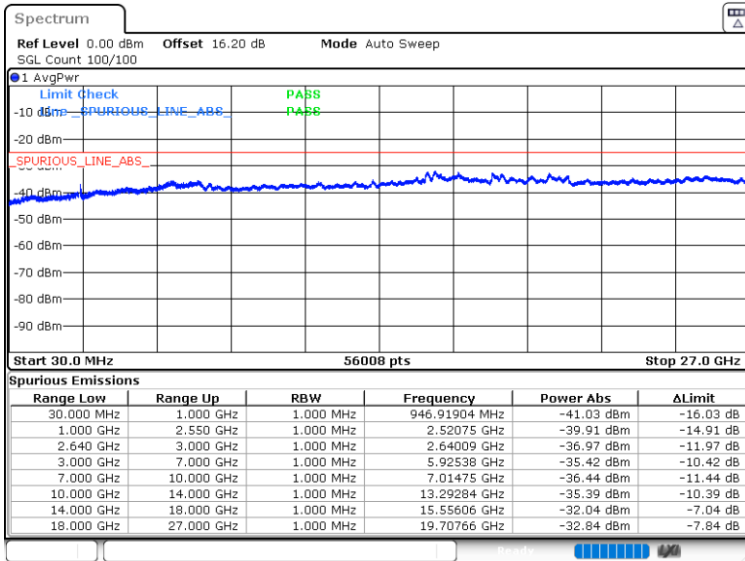
Middle Channel / QPSK



Date: 27.FEB.2024 22:34:37

Date: 27.FEB.2024 22:35:42

Highest Channel / QPSK



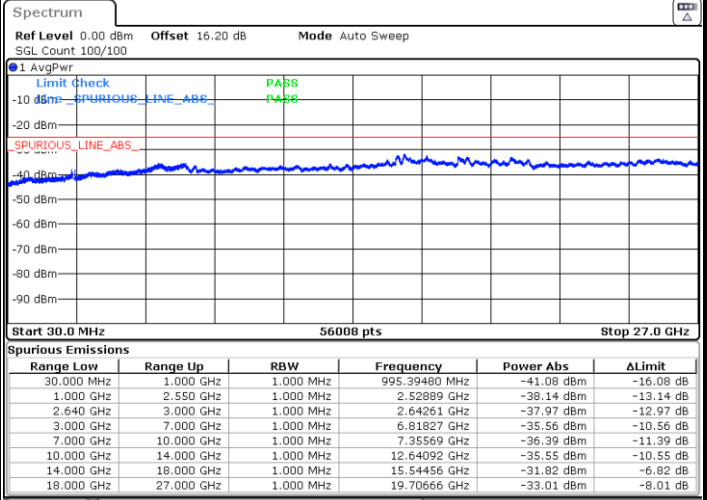
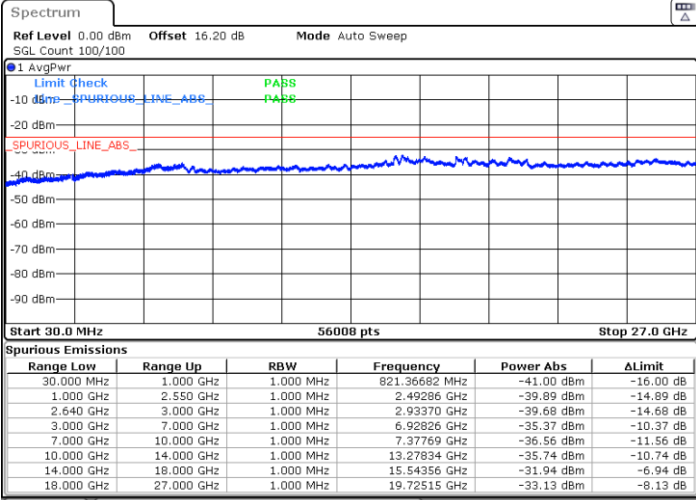
Date: 27.FEB.2024 22:36:46



LTE Band 38 / 10MHz

Lowest Channel / QPSK

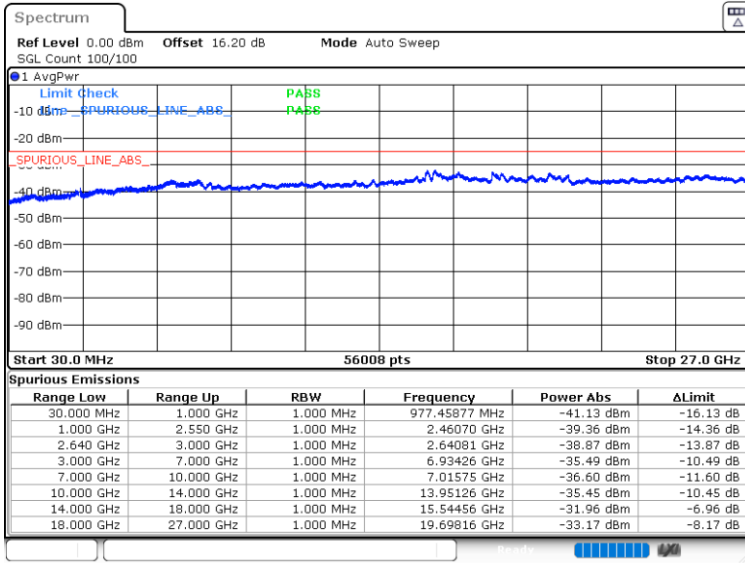
Middle Channel / QPSK



Date: 27.FEB.2024 23:53:05

Date: 27.FEB.2024 23:54:10

Highest Channel / QPSK



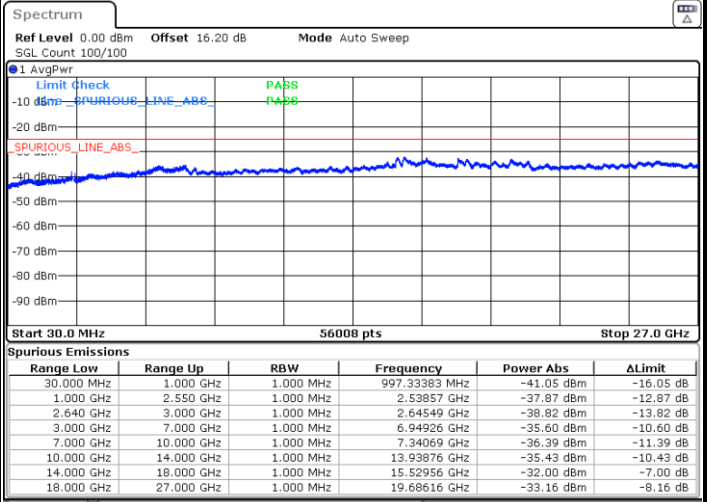
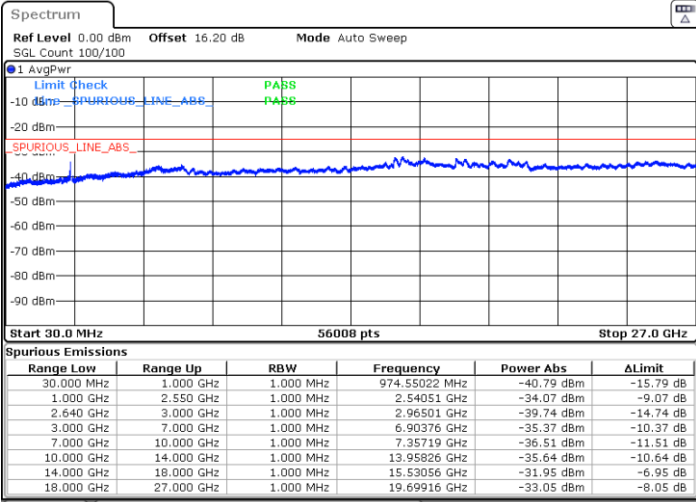
Date: 27.FEB.2024 23:55:14



LTE Band 38 / 15MHz

Lowest Channel / QPSK

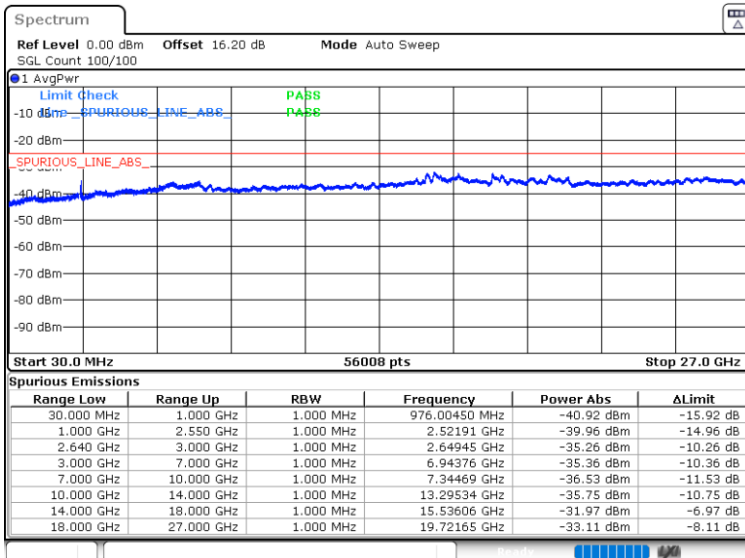
Middle Channel / QPSK



Date: 27.FEB.2024 23:57:05

Date: 27.FEB.2024 23:58:10

Highest Channel / QPSK



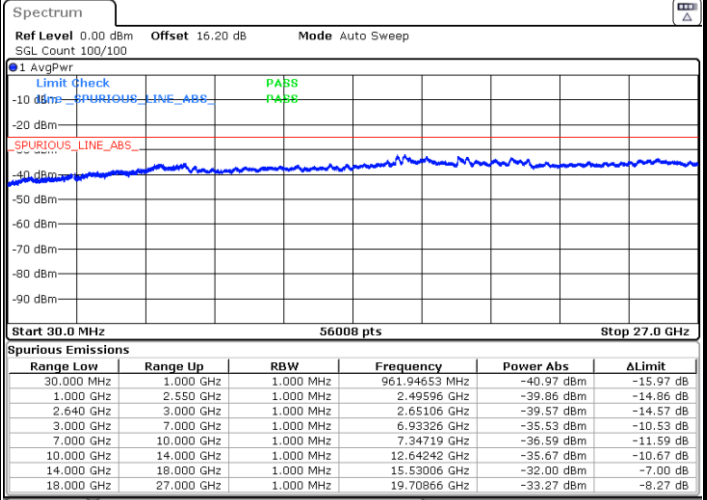
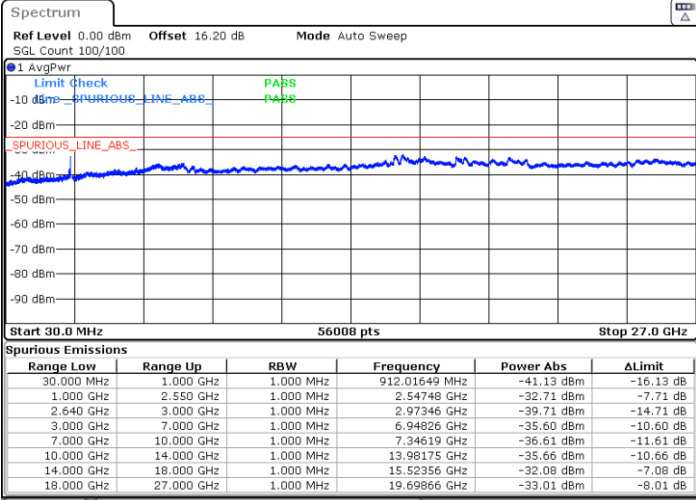
Date: 27.FEB.2024 23:59:14



LTE Band 38 / 20MHz

Lowest Channel / QPSK

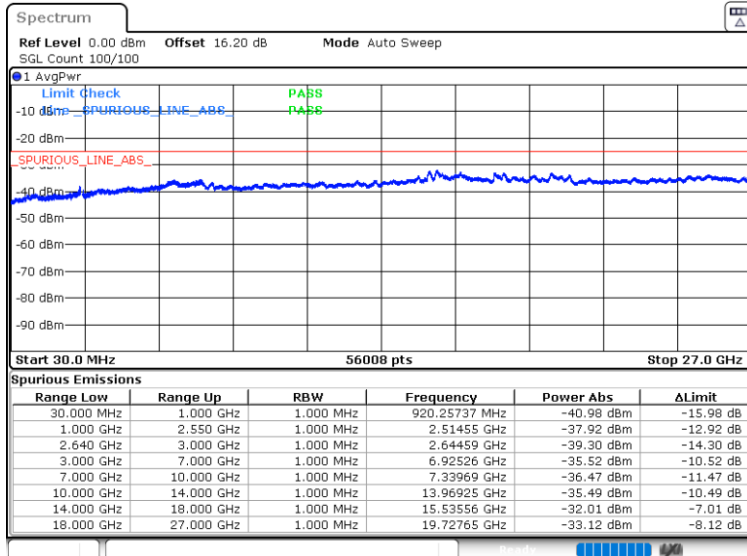
Middle Channel / QPSK



Date: 28.FEB.2024 00:01:04

Date: 28.FEB.2024 00:02:09

Highest Channel / QPSK



Date: 28.FEB.2024 00:03:13



Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0049	
30	Normal Voltage	0.0042	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0043	
0	Normal Voltage	0.0053	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0034	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

- 1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.2 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 38C

26dB Bandwidth

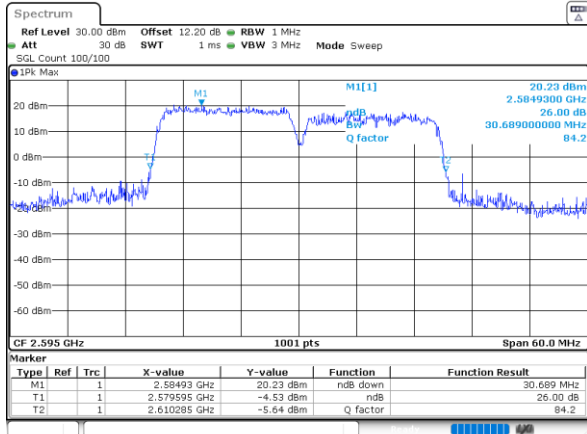
Mode	LTE Band 38C : 26dB BW(MHz)			
	QPSK	16QAM	64QAM	256QAM
BW	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz
Middle CH	30.68	30.74	30.68	30.44
BW	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz
Middle CH	39.96	40.03	39.96	39.79



LTE Band 38C

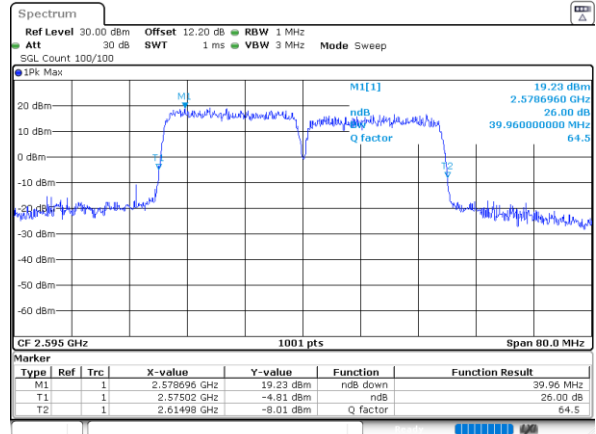
QPSK

Middle Channel / 15MHz+15MHz



Date: 1.MAR.2024 16:00:26

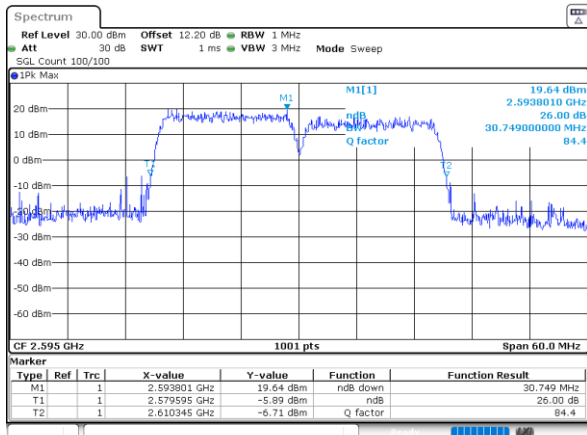
Middle Channel / 20MHz+20MHz



Date: 1.MAR.2024 16:12:00

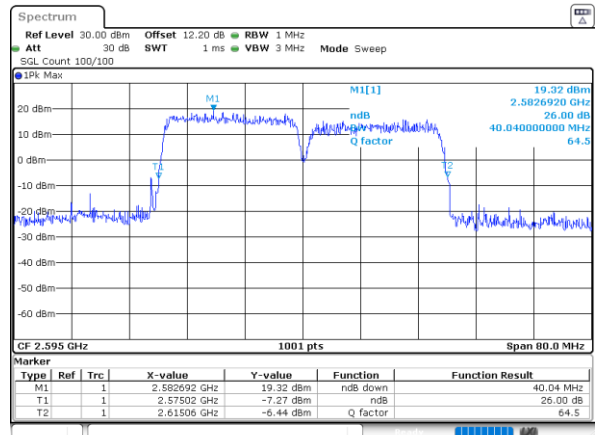
16QAM

Middle Channel / 15MHz+15MHz



Date: 1.MAR.2024 15:59:58

Middle Channel / 20MHz+20MHz



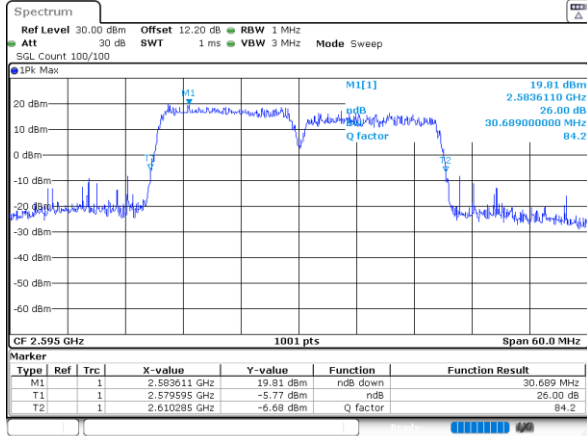
Date: 1.MAR.2024 16:11:32



LTE Band 38C

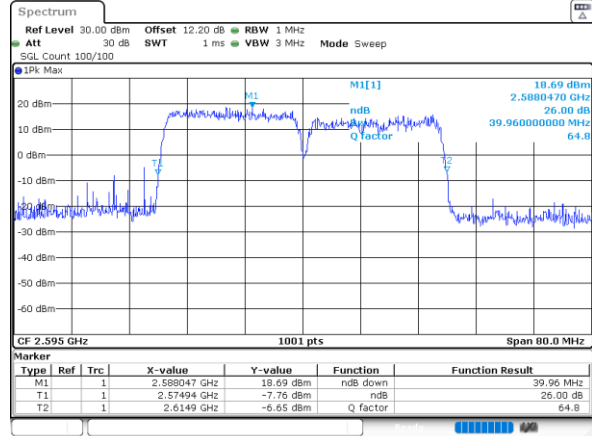
64QAM

Middle Channel / 15MHz+15MHz



Date: 1.MAR.2024 15:59:30

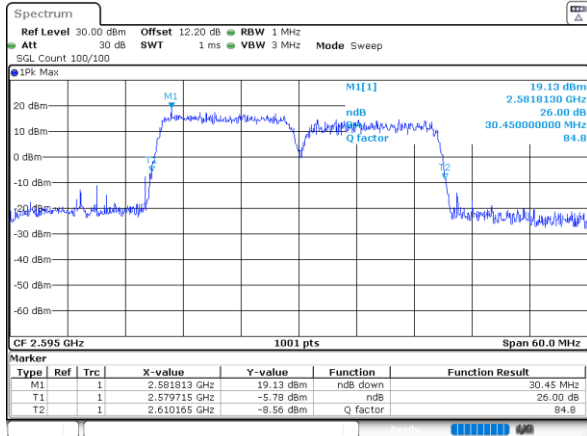
Middle Channel / 20MHz+20MHz



Date: 1.MAR.2024 16:11:04

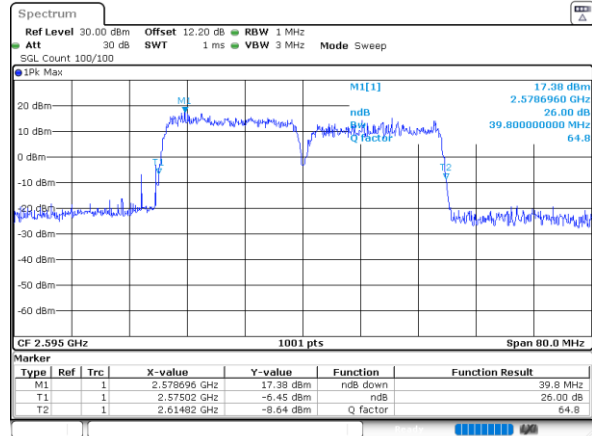
256QAM

Middle Channel / 15MHz+15MHz



Date: 1.MAR.2024 15:59:03

Middle Channel / 20MHz+20MHz



Date: 1.MAR.2024 16:10:36



Occupied Bandwidth

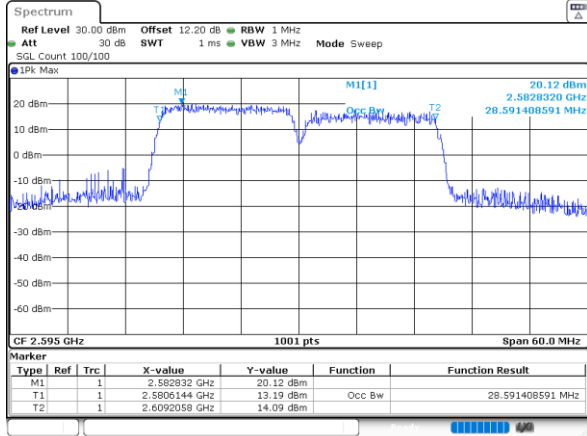
Mode	LTE Band 38C : 99%OBW(MHz)			
	QPSK	16QAM	64QAM	256QAM
BW	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz
Middle CH	28.59	28.41	28.59	28.59
BW	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz
Middle CH	37.80	37.80	37.72	37.80



LTE Band 38C

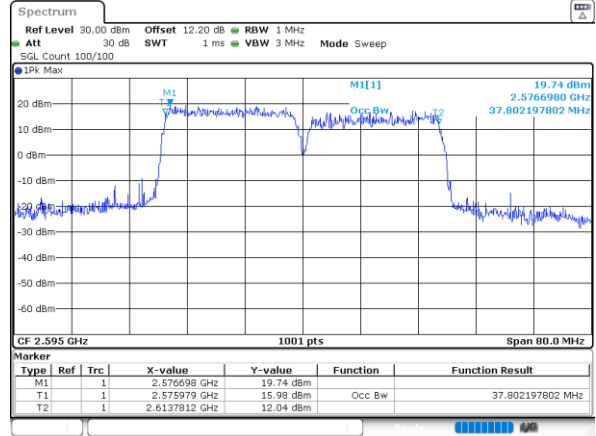
QPSK

Middle Channel / 15MHz+15MHz



Date: 1.MAR.2024 15:57:12

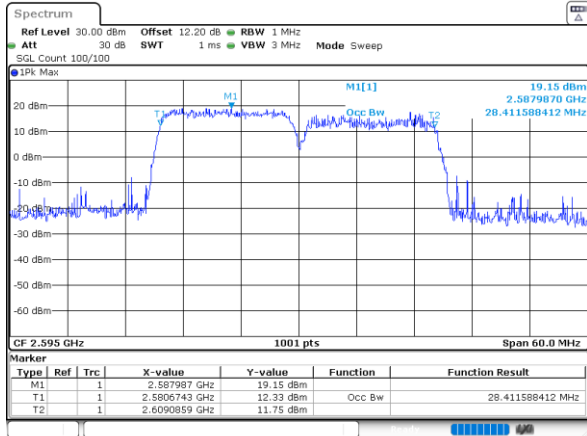
Middle Channel / 20MHz+20MHz



Date: 1.MAR.2024 16:08:46

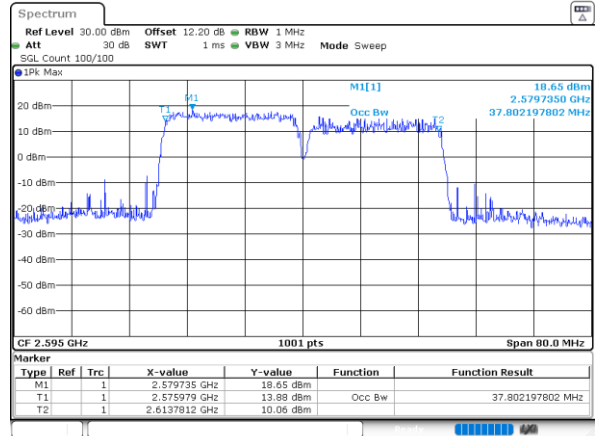
16QAM

Middle Channel / 15MHz+15MHz



Date: 1.MAR.2024 15:57:40

Middle Channel / 20MHz+20MHz



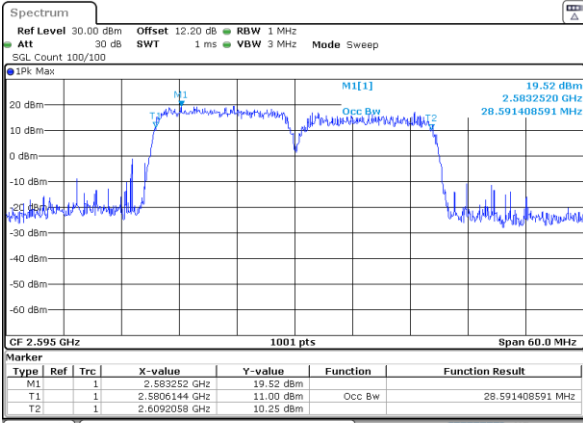
Date: 1.MAR.2024 16:09:14



LTE Band 38C

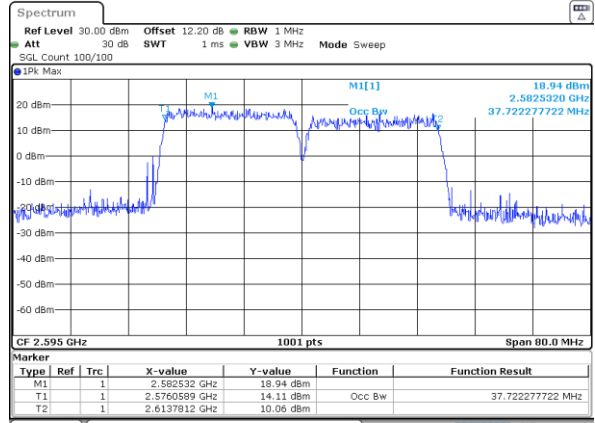
64QAM

Middle Channel / 15MHz+15MHz



Date: 1.MAR.2024 15:58:08

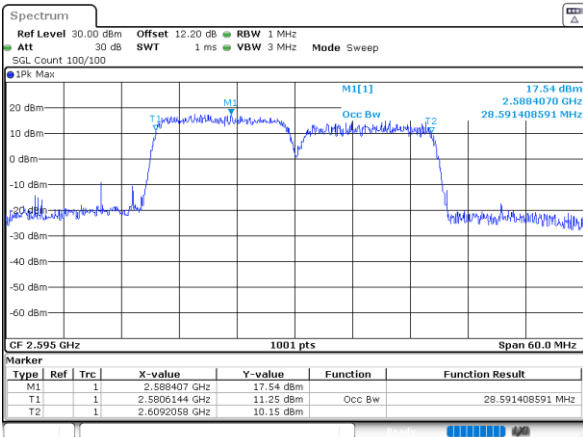
Middle Channel / 20MHz+20MHz



Date: 1.MAR.2024 16:09:42

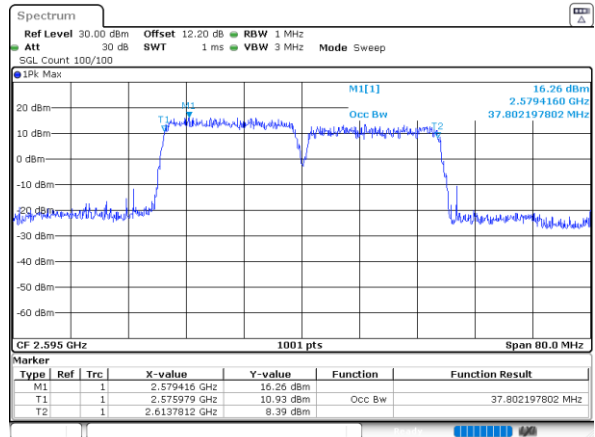
256QAM

Middle Channel / 15MHz+15MHz



Date: 1.MAR.2024 15:58:36

Middle Channel / 20MHz+20MHz



Date: 1.MAR.2024 16:10:10



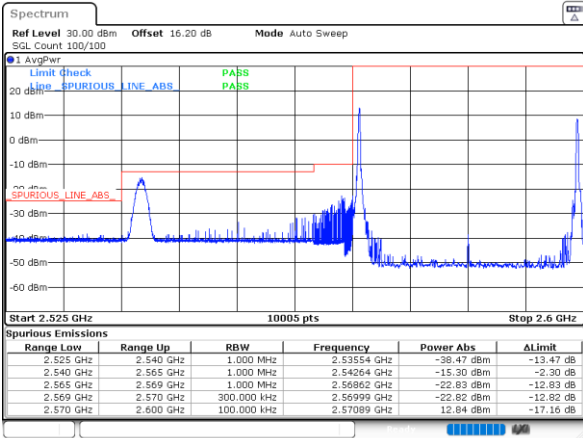
Conducted Band Edge



LTE Band 38C / 15MHz+15MHz

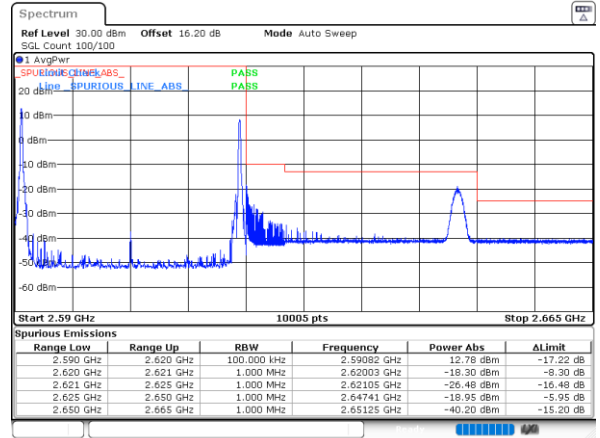
QPSK

Lowest Band Edge / 1RB0 and 1RB74



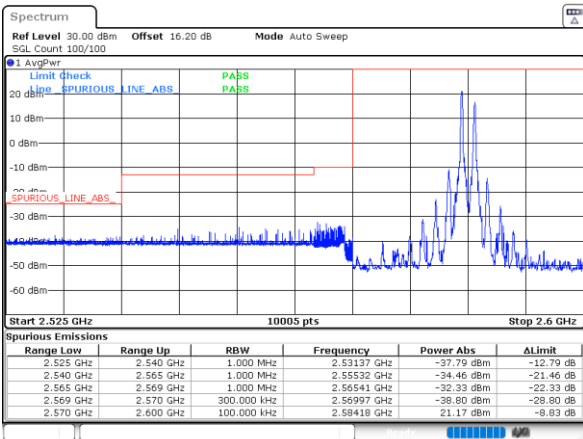
Date: 1.MAR.2024 15:12:01

Highest Band Edge / 1RB0 and 1RB74



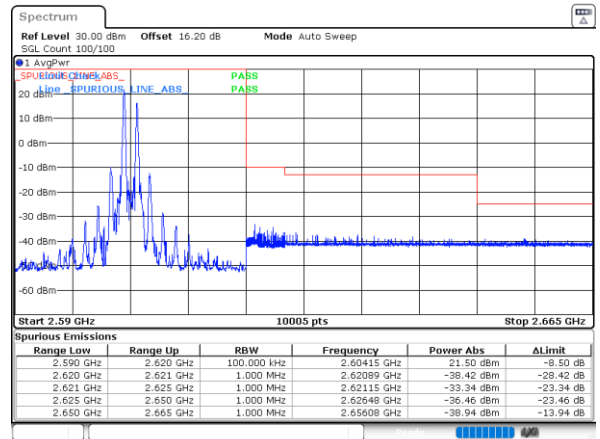
Date: 1.MAR.2024 14:45:28

Lowest Band Edge / 1RB74 and 1RB0



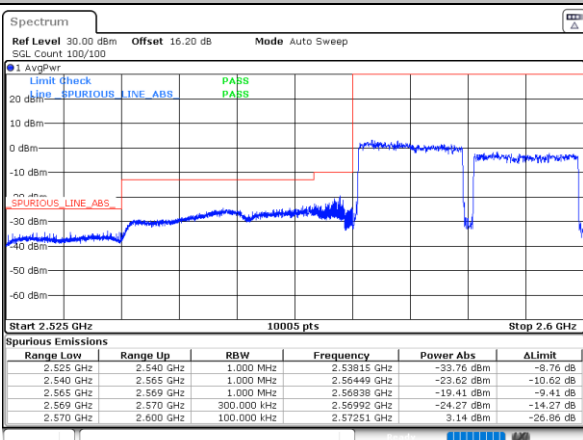
Date: 1.MAR.2024 15:15:50

Highest Band Edge / 1RB74 and 1RB0



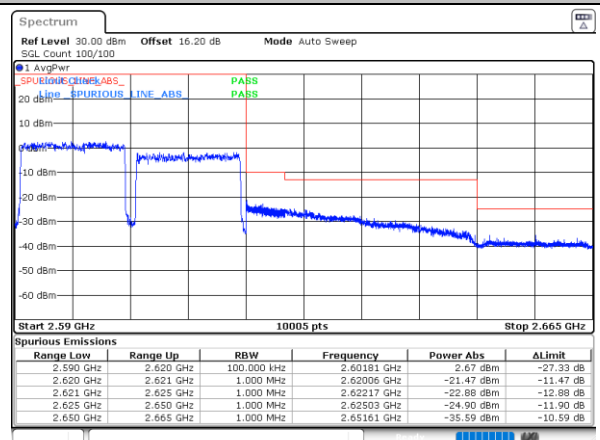
Date: 1.MAR.2024 14:49:17

Lowest Band Edge / Full RB



Date: 1.MAR.2024 15:08:11

Highest Band Edge / Full RB



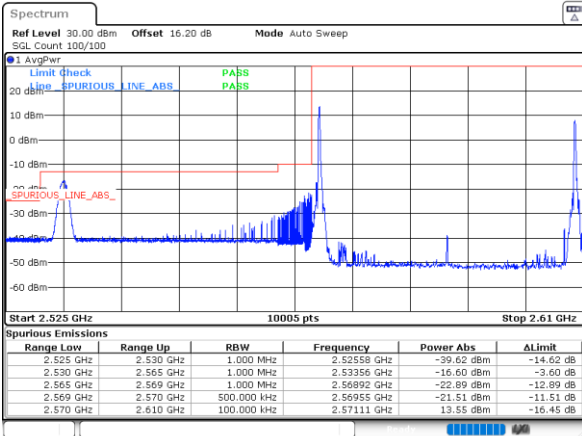
Date: 1.MAR.2024 14:41:38



LTE Band 38C / 20MHz+20MHz

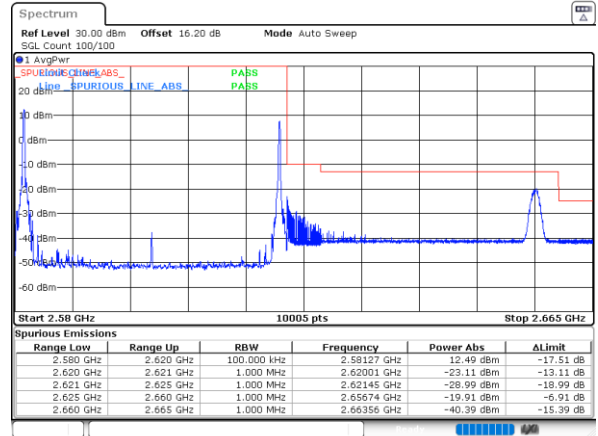
QPSK

Lowest Band Edge / 1RB0 and 1RB9



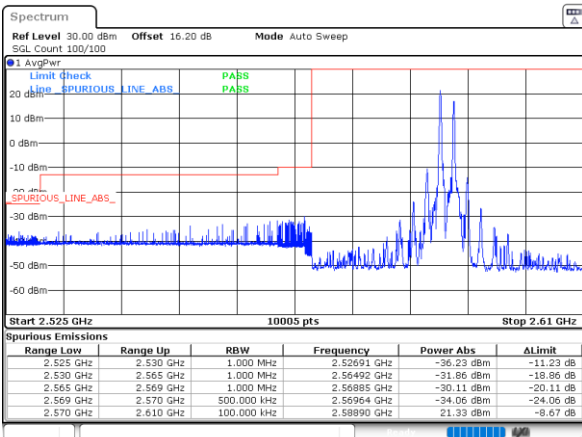
Date: 1.MAR.2024 15:43:39

Highest Band Edge / 1RB0 and 1RB9



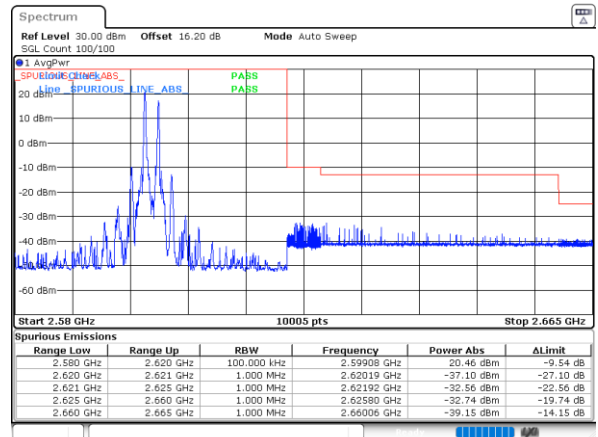
Date: 1.MAR.2024 15:26:07

Lowest Band Edge / 1RB99 and 1RB0



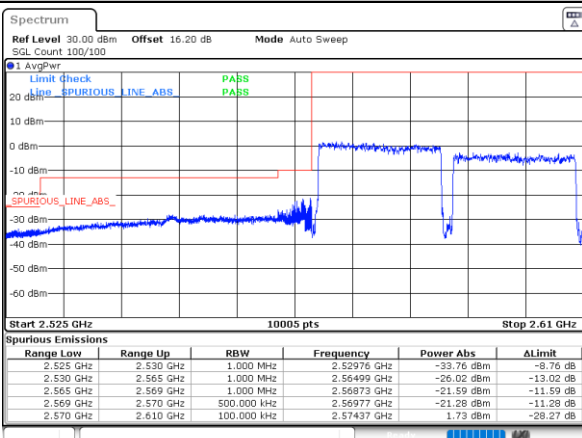
Date: 1.MAR.2024 15:47:28

Highest Band Edge / 1RB99 and 1RB0



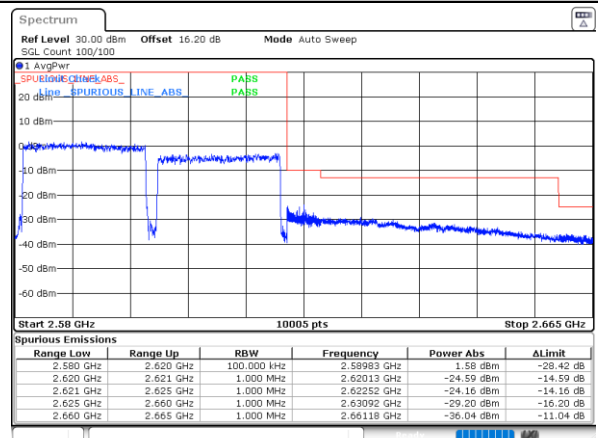
Date: 1.MAR.2024 15:29:56

Lowest Band Edge / Full RB



Date: 1.MAR.2024 15:38:58

Highest Band Edge / Full RB



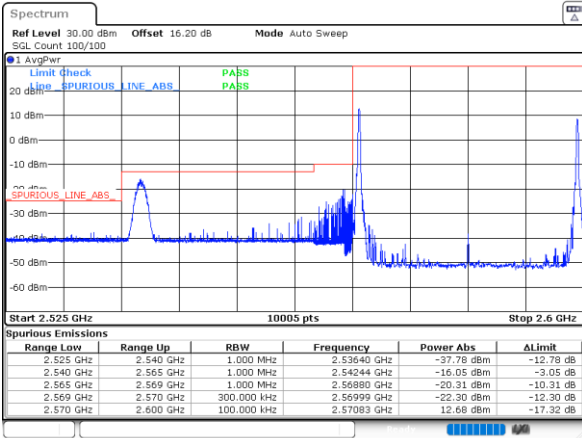
Date: 1.MAR.2024 15:22:17



LTE Band 38C / 15MHz+15MHz

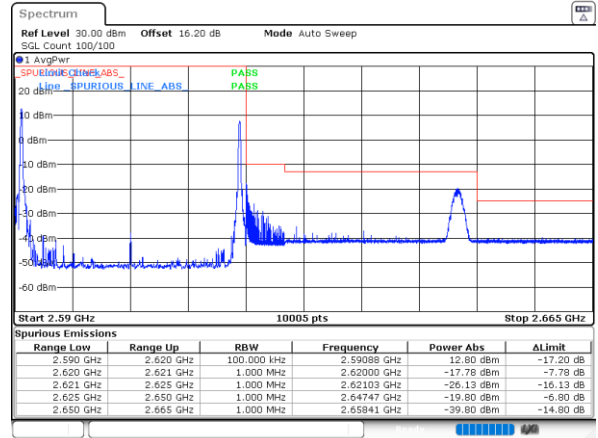
16QAM

Lowest Band Edge / 1RB0 and 1RB74



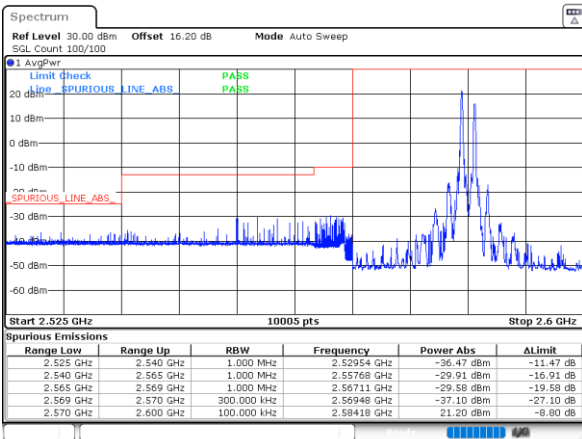
Date: 1.MAR.2024 15:12:58

Highest Band Edge / 1RB0 and 1RB74



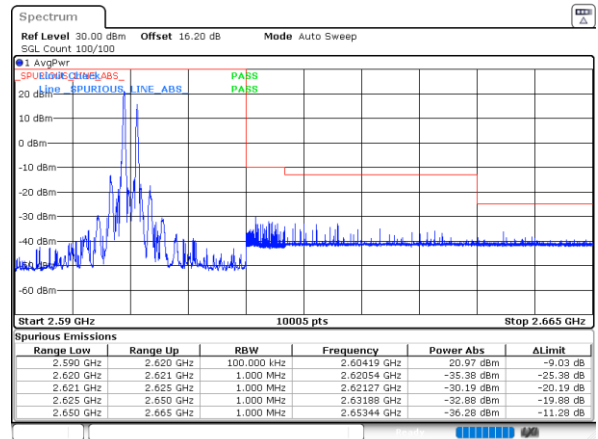
Date: 1.MAR.2024 14:46:25

Lowest Band Edge / 1RB74 and 1RB0



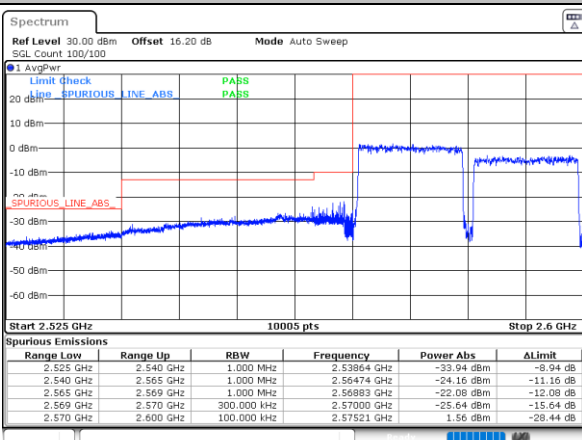
Date: 1.MAR.2024 15:16:47

Highest Band Edge / 1RB74 and 1RB0



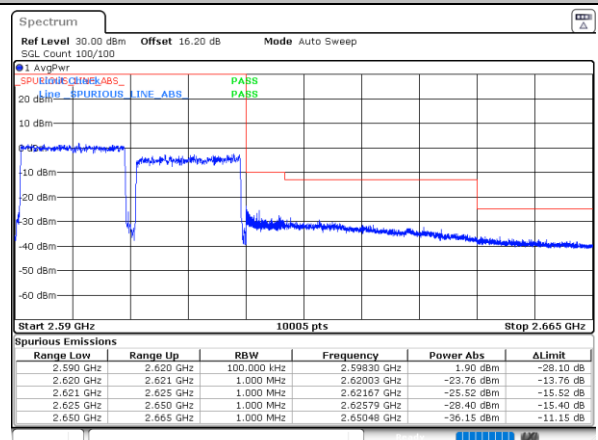
Date: 1.MAR.2024 14:50:15

Lowest Band Edge / Full RB



Date: 1.MAR.2024 15:09:08

Highest Band Edge / Full RB



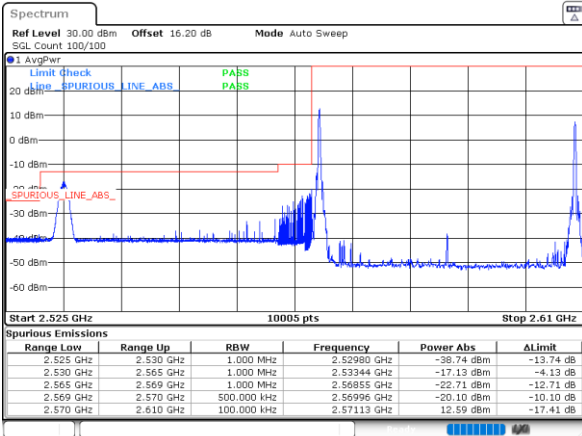
Date: 1.MAR.2024 14:42:35



LTE Band 38C / 20MHz+20MHz

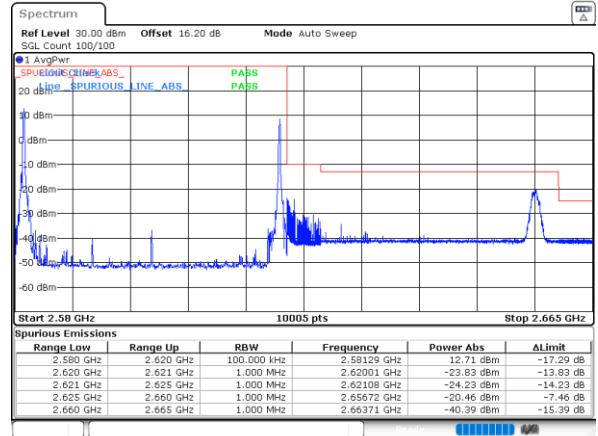
16QAM

Lowest Band Edge / 1RB0 and 1RB9



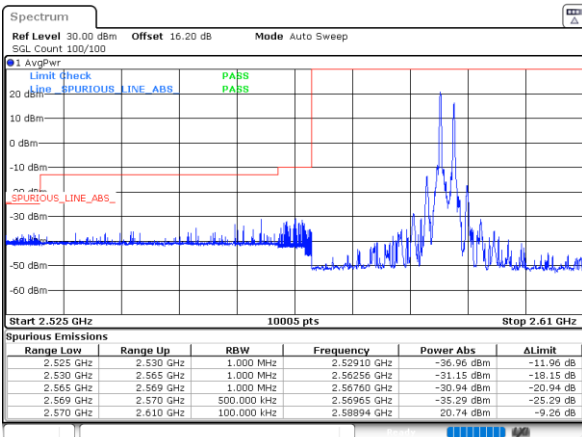
Date: 1.MAR.2024 15:44:36

Highest Band Edge / 1RB0 and 1RB9



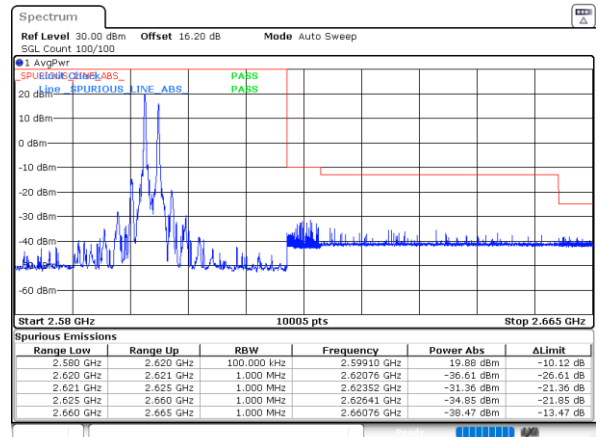
Date: 1.MAR.2024 15:27:04

Lowest Band Edge / 1RB99 and 1RB0



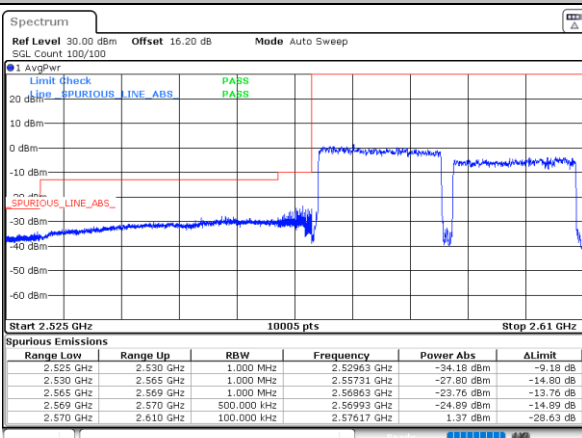
Date: 1.MAR.2024 15:48:24

Highest Band Edge / 1RB99 and 1RB0



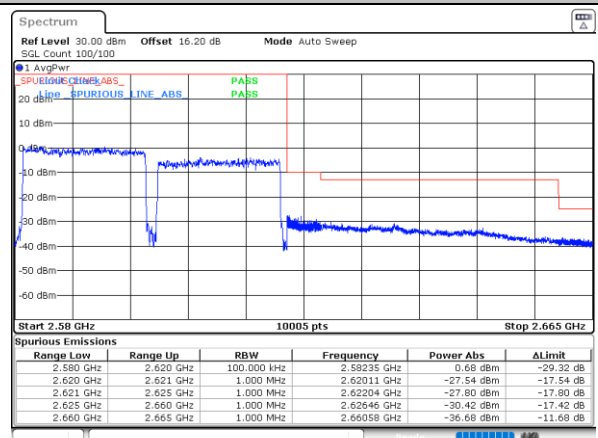
Date: 1.MAR.2024 15:30:53

Lowest Band Edge / Full RB



Date: 1.MAR.2024 15:39:55

Highest Band Edge / Full RB



Date: 1.MAR.2024 15:23:14