



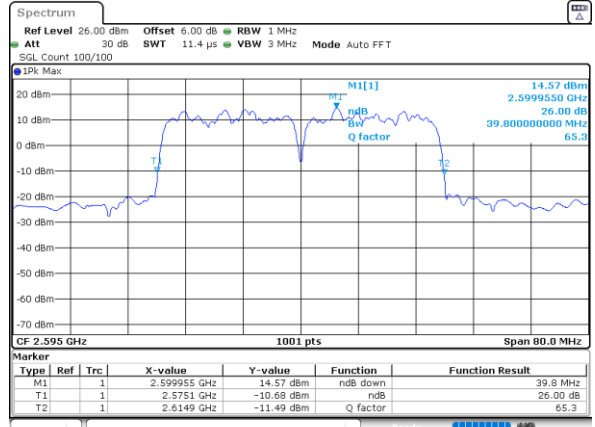
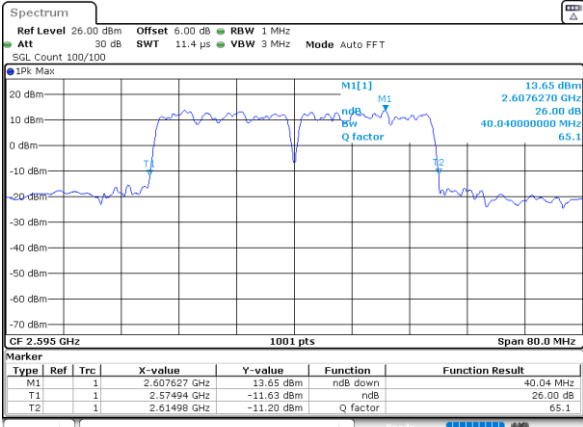
LTE Band 38C

QPSK

16QAM

Middle Channel / 20MHz+20MHz

Middle Channel / 20MHz+20MHz



Date: 16_MAY_2024 16:05:35

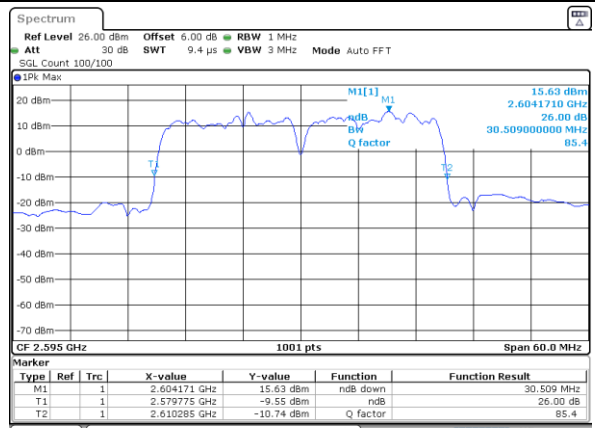
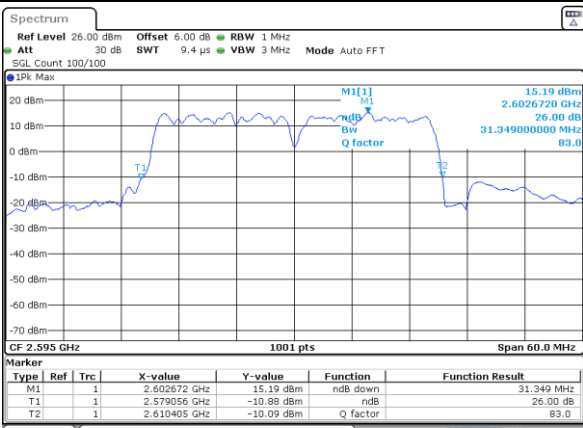
Date: 16_MAY_2024 16:06:38

QPSK

16QAM

Middle Channel / 15MHz+15MHz

Middle Channel / 15MHz+15MHz



Date: 16_MAY_2024 16:09:37

Date: 16_MAY_2024 16:09:35



Occupied Bandwidth

Mode	LTE Band 38C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	38.12	37.80
Mod.	QPSK	16QAM
BW	15MHz+15MHz	15MHz+15MHz
Middle CH	28.71	28.65



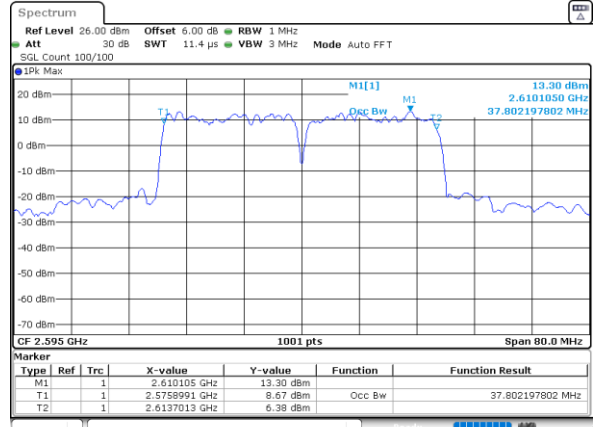
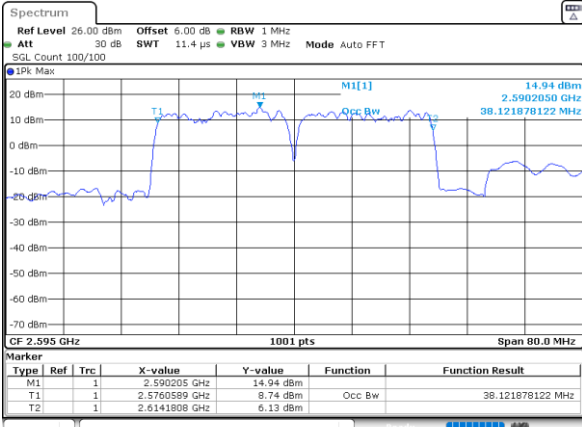
LTE Band 38C

QPSK

16QAM

Middle Channel / 20MHz+20MHz

Middle Channel / 20MHz+20MHz



Date: 16, MAY, 2024 16:05:05

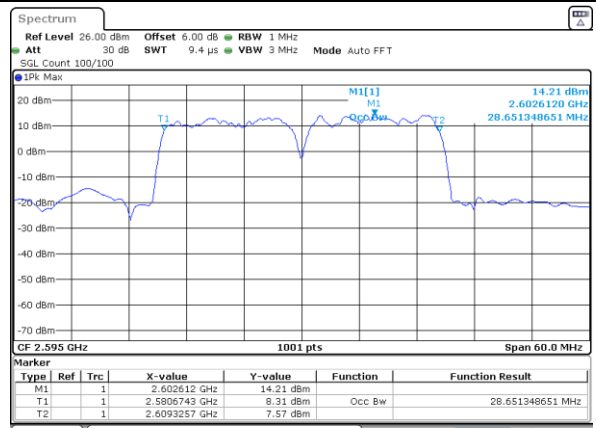
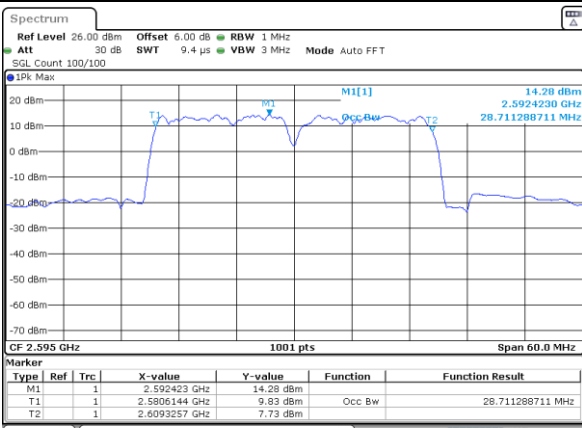
Date: 16, MAY, 2024 16:06:06

QPSK

16QAM

Middle Channel / 15MHz+15MHz

Middle Channel / 15MHz+15MHz



Date: 16, MAY, 2024 16:09:09

Date: 16, MAY, 2024 16:09:06

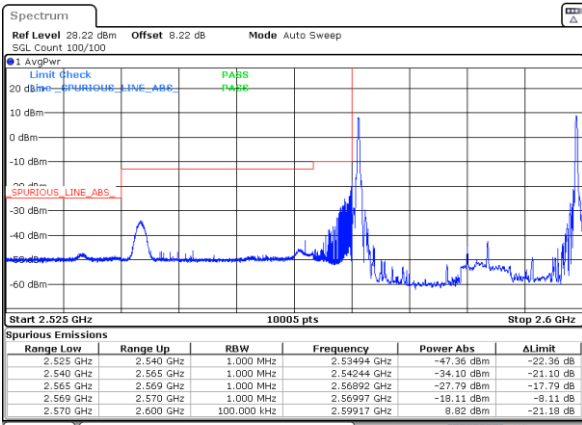


Conducted Band Edge

LTE Band 38C / 15MHz+15MHz

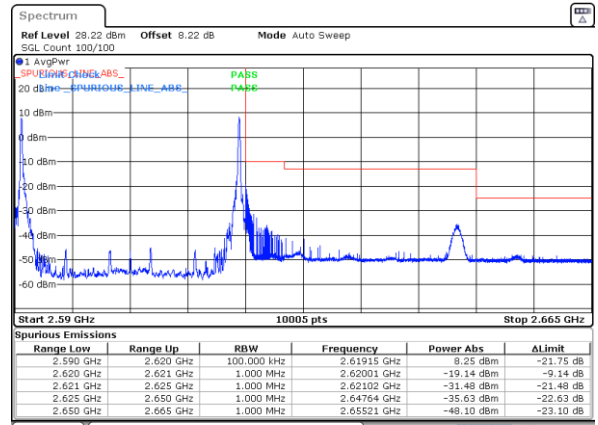
QPSK

Lowest Band Edge / 1RB0 and 1RB74



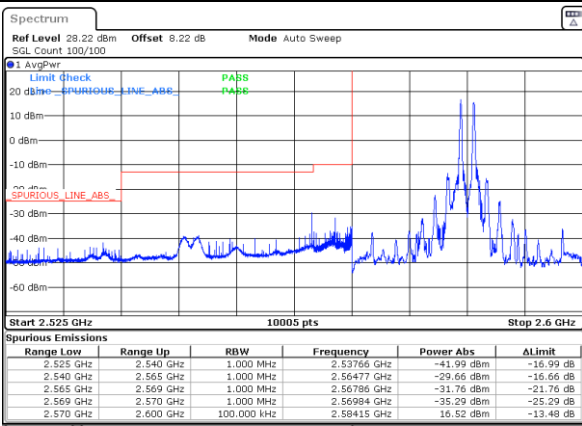
Date: 16.MAY.2024 15:02:39

Highest Band Edge / 1RB0 and 1RB74



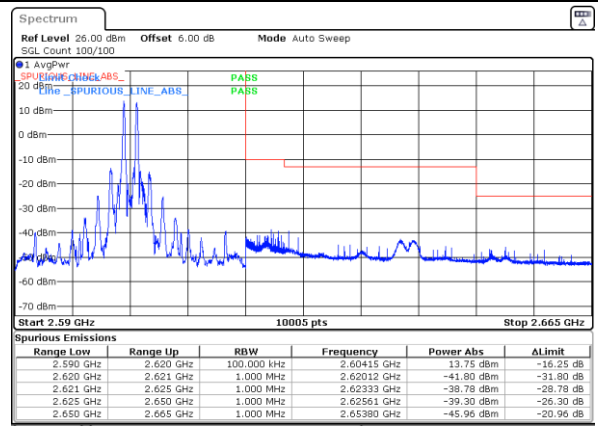
Date: 16.MAY.2024 15:23:20

Lowest Band Edge / 1RB74 and 1RB0



Date: 16.MAY.2024 15:07:31

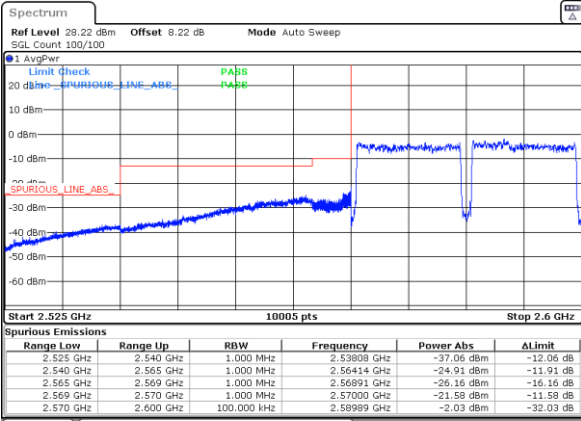
Highest Band Edge / 1RB74 and 1RB0



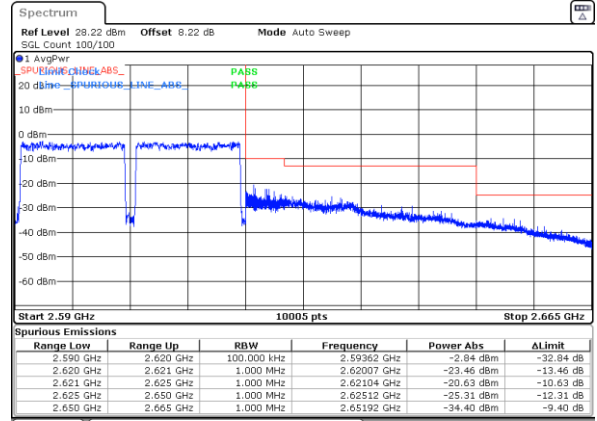
Date: 16.MAY.2024 16:10:29



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



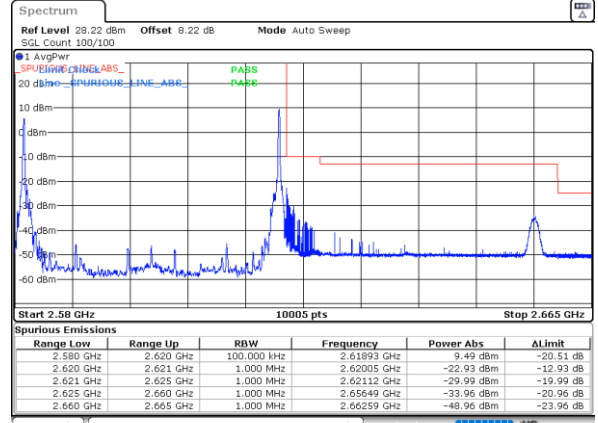
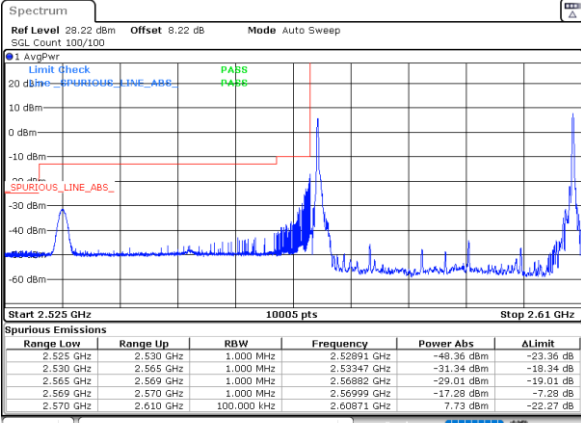


LTE Band 38C / 20MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

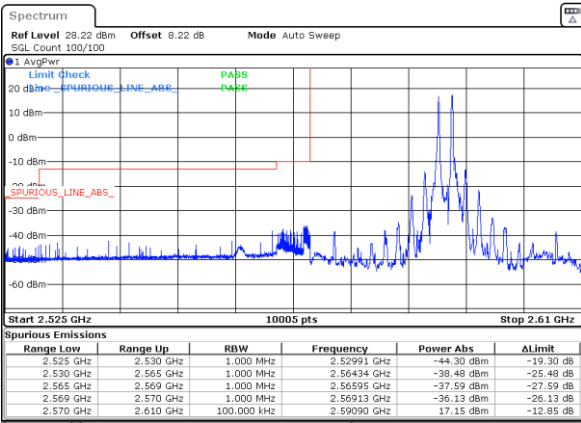


Date: 16.MAY.2024 15:41:05

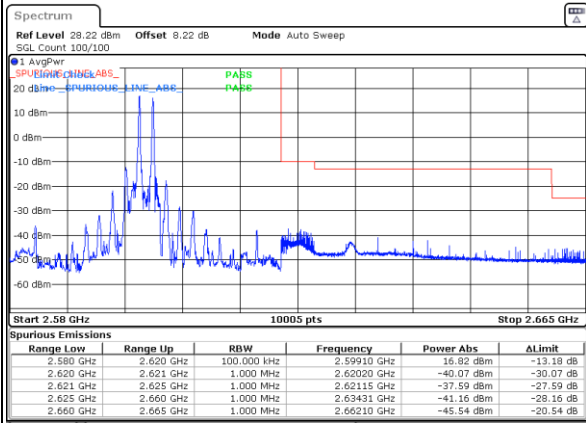
Date: 16.MAY.2024 15:59:16

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0



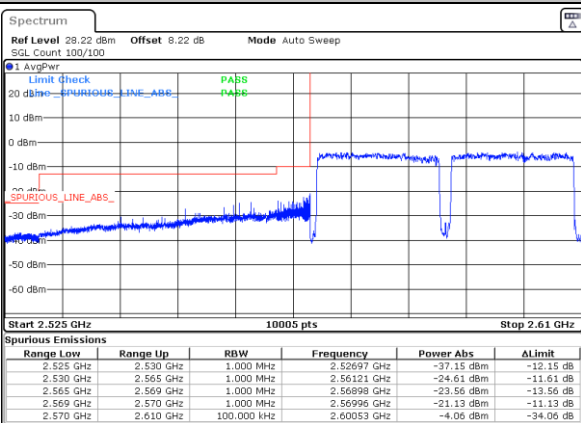
Date: 16.MAY.2024 15:42:06



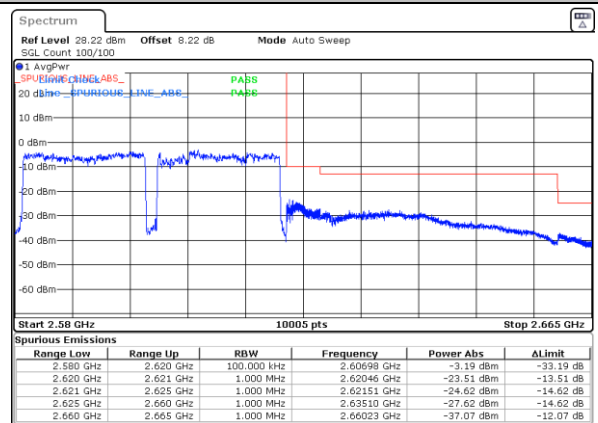
Date: 16.MAY.2024 15:52:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.MAY.2024 15:34:03



Date: 16.MAY.2024 16:00:16

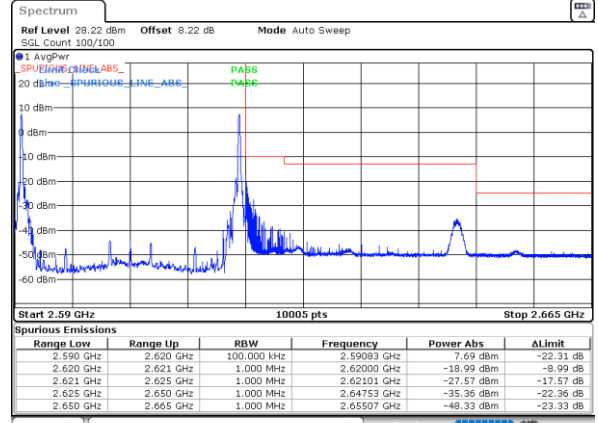
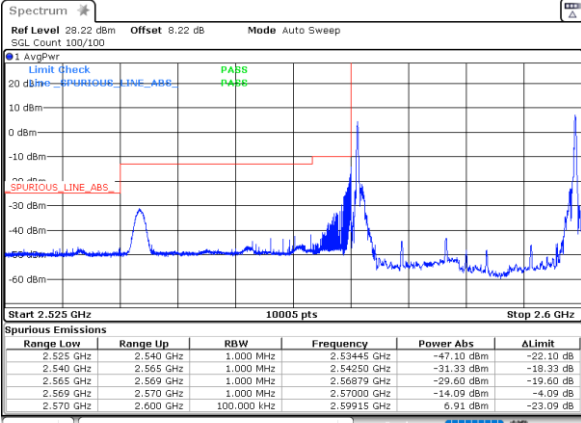


LTE Band 38C / 15MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

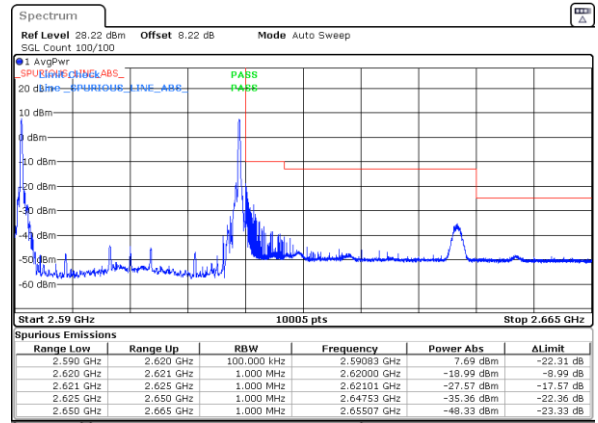
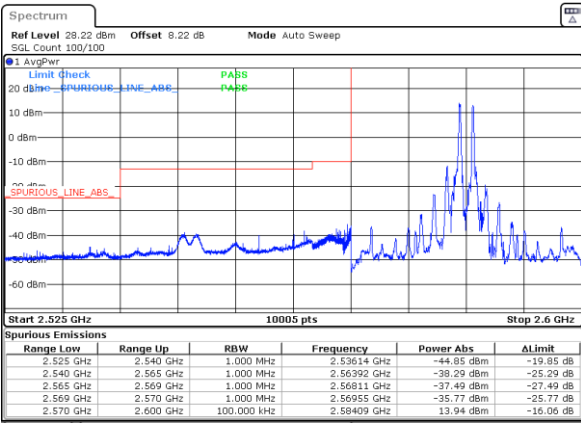


Date: 16.MAY.2024 15:03:29

Date: 16.MAY.2024 15:24:01

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

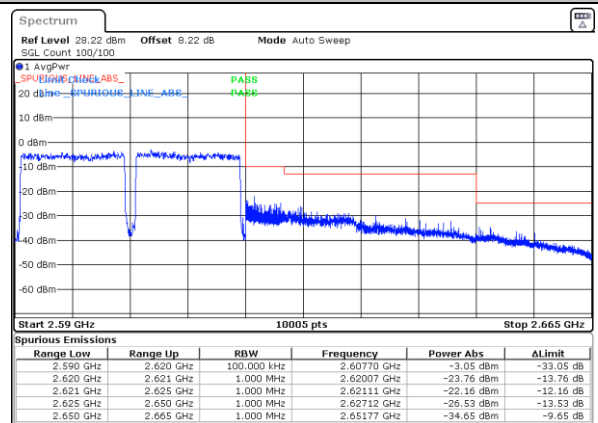
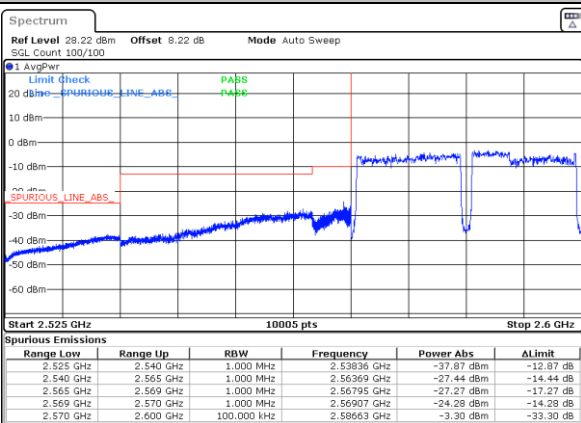


Date: 16.MAY.2024 15:06:51

Date: 16.MAY.2024 15:24:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.MAY.2024 15:08:52

Date: 16.MAY.2024 15:28:17

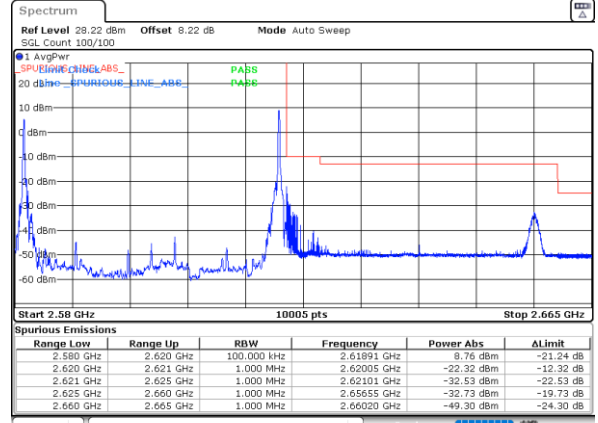
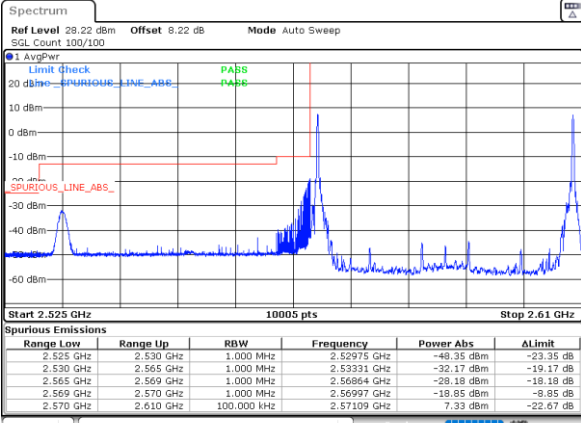


LTE Band 38C / 20MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

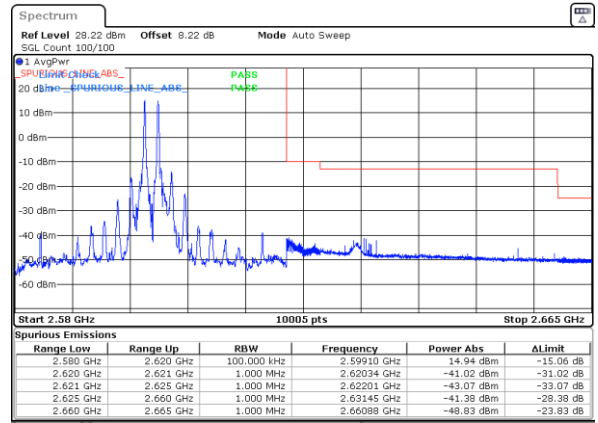
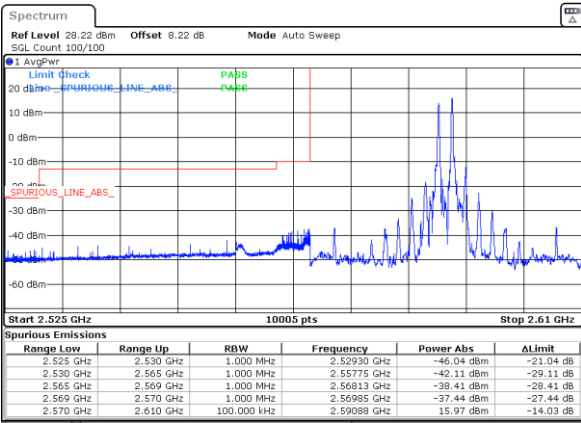


Date: 16.MAY.2024 15:40:05

Date: 16.MAY.2024 15:58:15

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

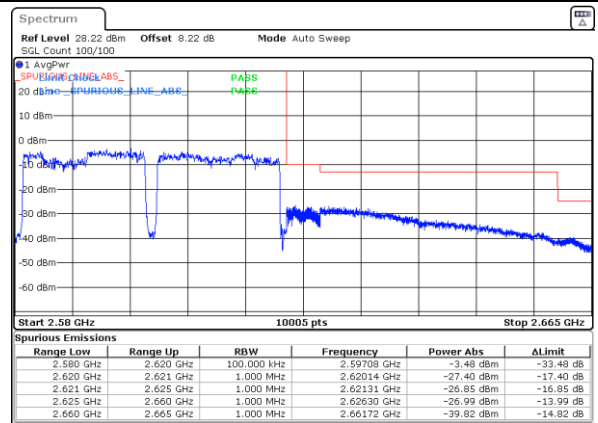
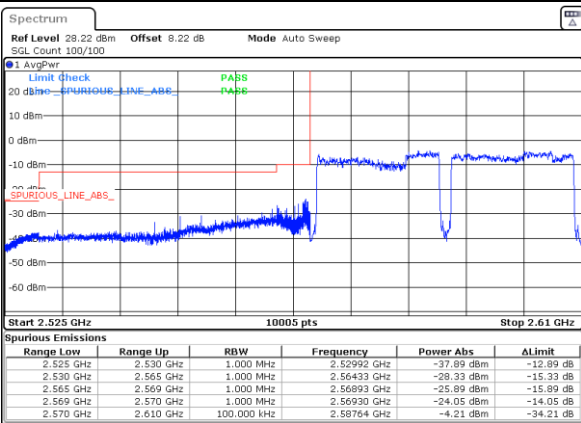


Date: 16.MAY.2024 15:43:05

Date: 16.MAY.2024 15:53:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.MAY.2024 15:35:04

Date: 16.MAY.2024 16:01:16

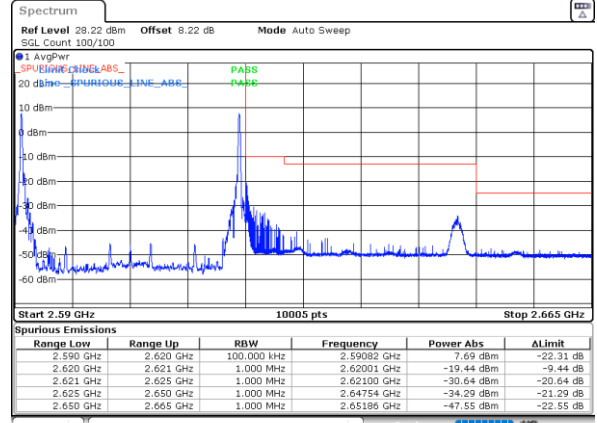
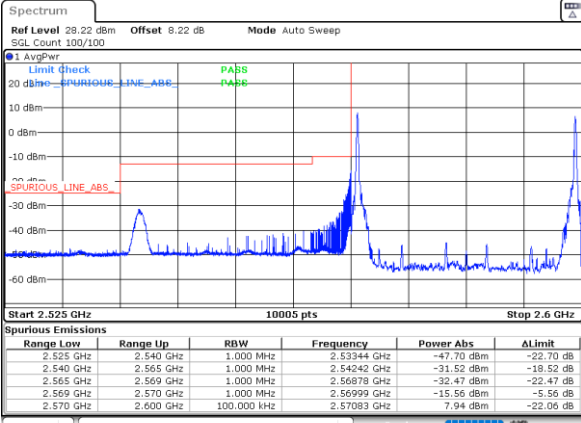


LTE Band 38C / 15MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

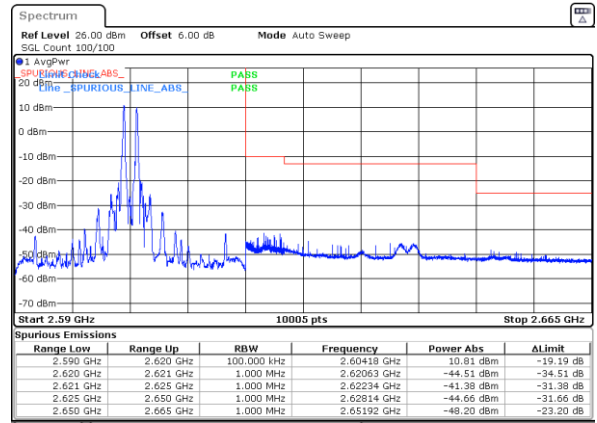
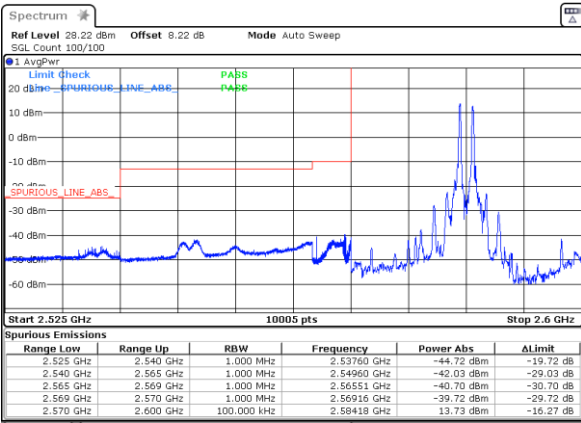


Date: 16.MAY.2024 15:04:08

Date: 16.MAY.2024 15:12:43

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

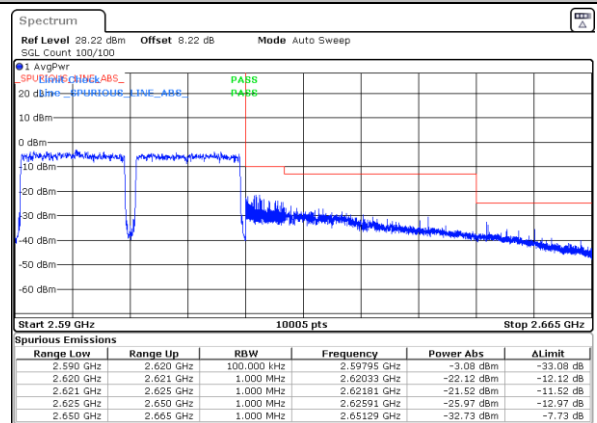
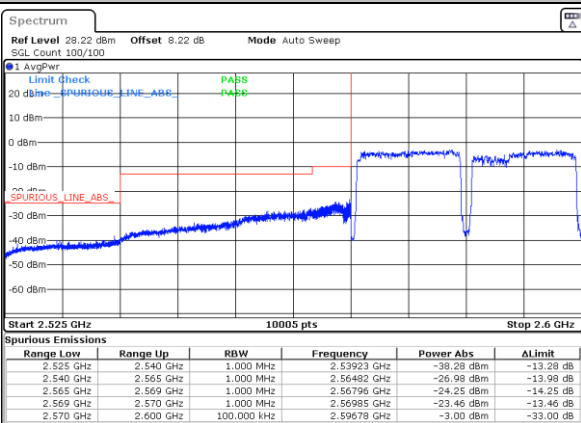


Date: 16.MAY.2024 15:06:10

Date: 16.MAY.2024 16:11:48

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.MAY.2024 15:09:37

Date: 16.MAY.2024 15:27:06

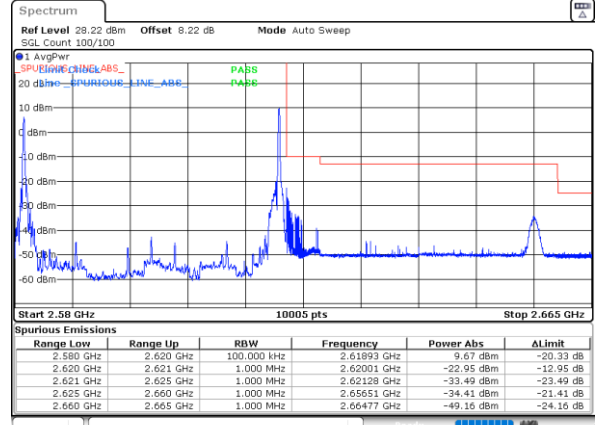
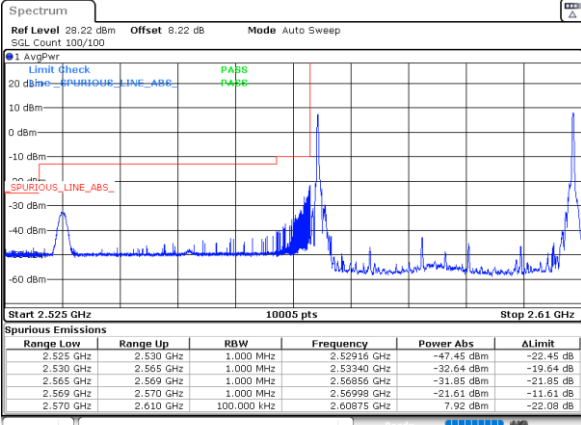


LTE Band 38C / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

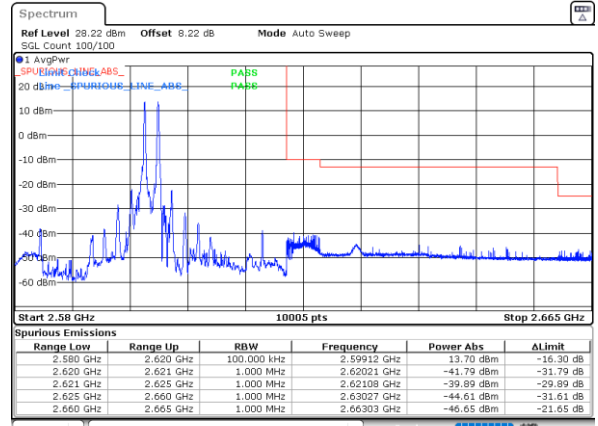
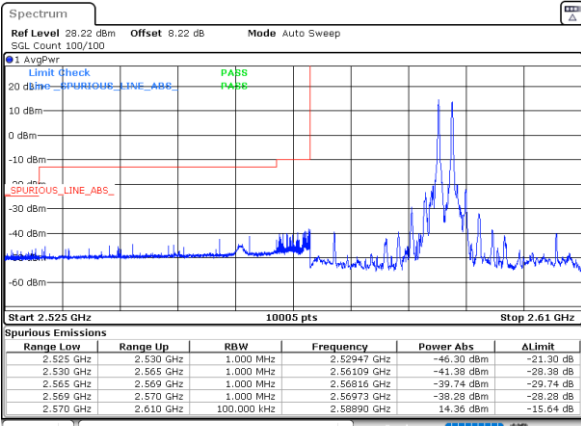


Date: 16.MAY.2024 15:39:05

Date: 16.MAY.2024 15:57:15

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

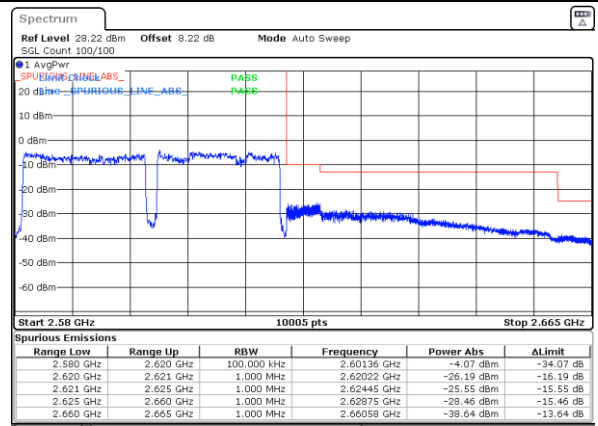
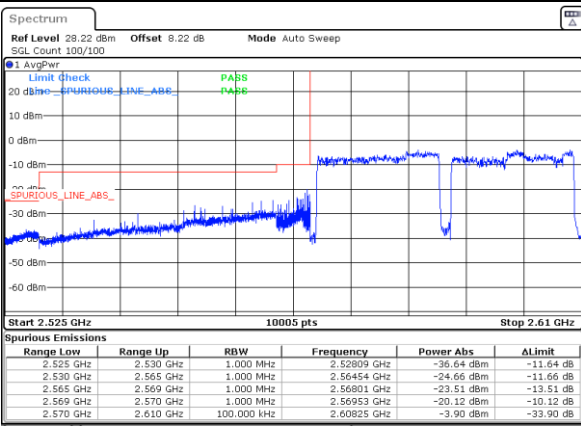


Date: 16.MAY.2024 15:44:06

Date: 16.MAY.2024 15:54:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.MAY.2024 15:36:04

Date: 16.MAY.2024 16:03:58

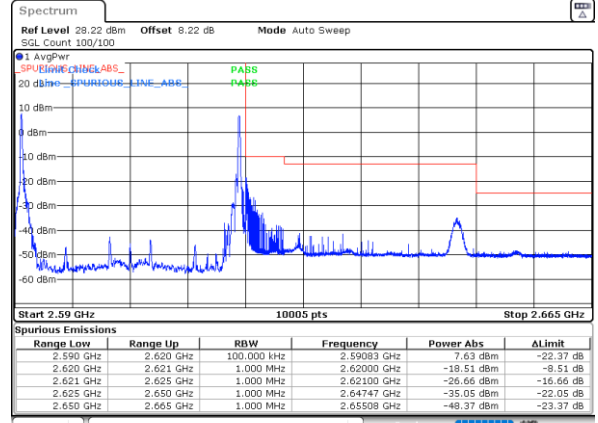
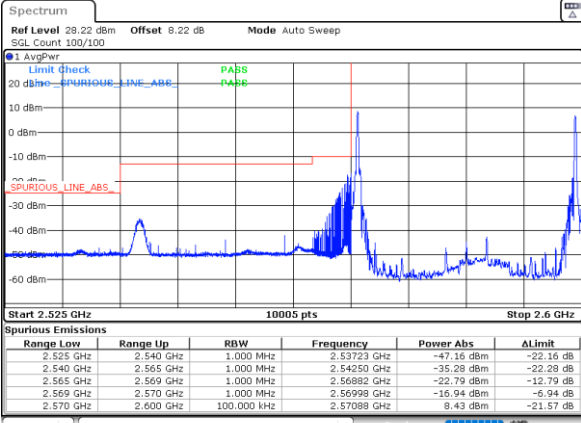


LTE Band 38C / 15MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

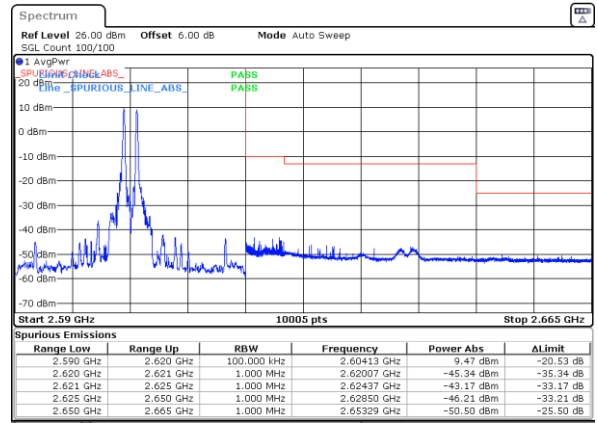
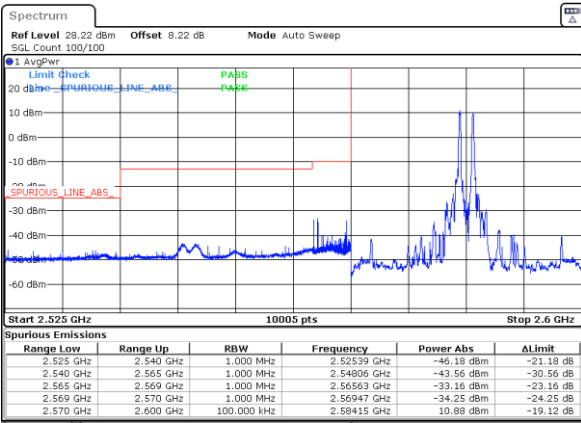


Date: 16.MAY.2024 15:04:45

Date: 16.MAY.2024 15:25:23

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

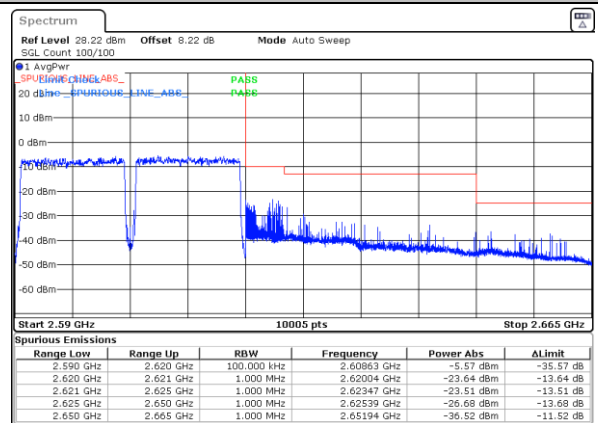
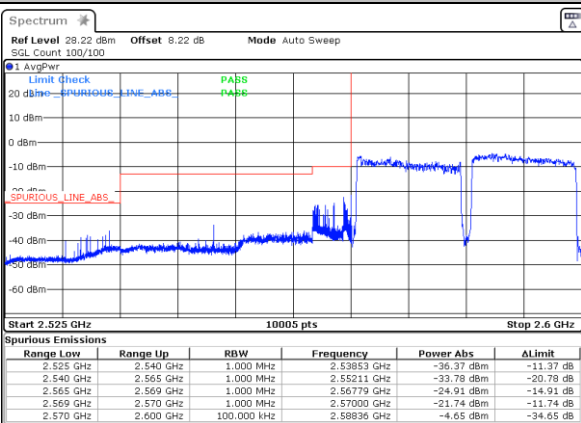


Date: 16.MAY.2024 15:05:29

Date: 16.MAY.2024 16:12:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.MAY.2024 15:11:05

Date: 16.MAY.2024 15:26:22

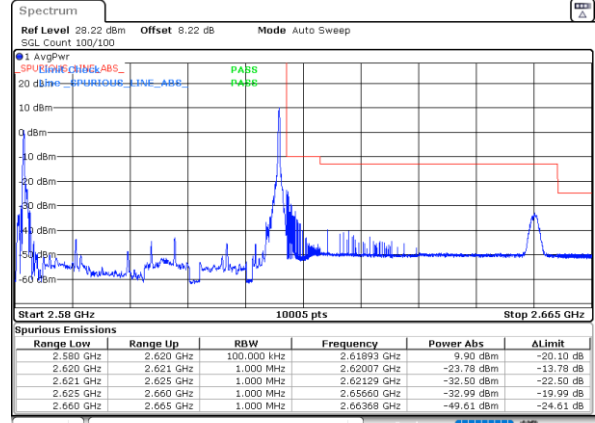
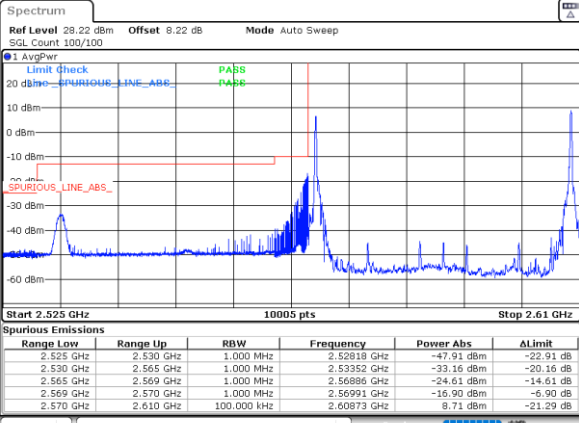


LTE Band 38C / 20MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

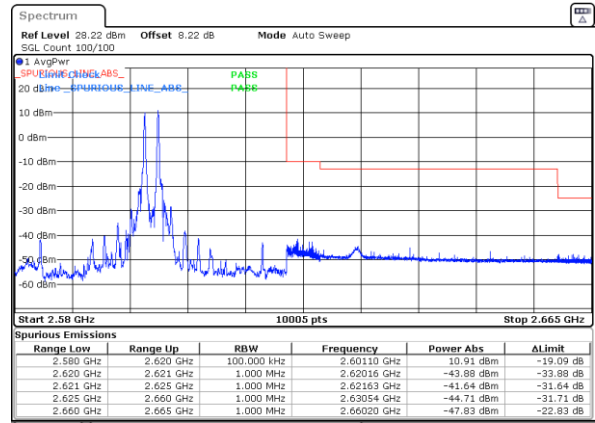
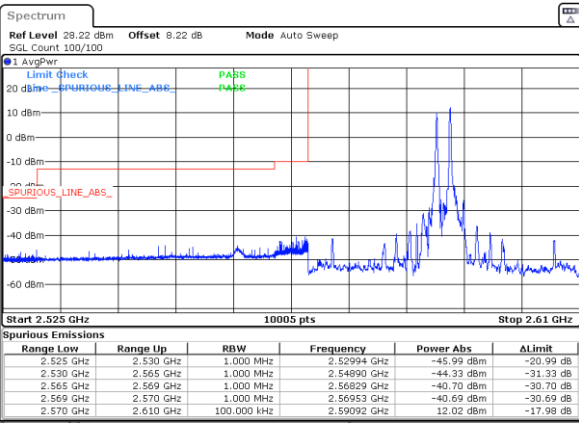


Date: 16.MAY.2024 15:38:05

Date: 16.MAY.2024 15:56:15

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

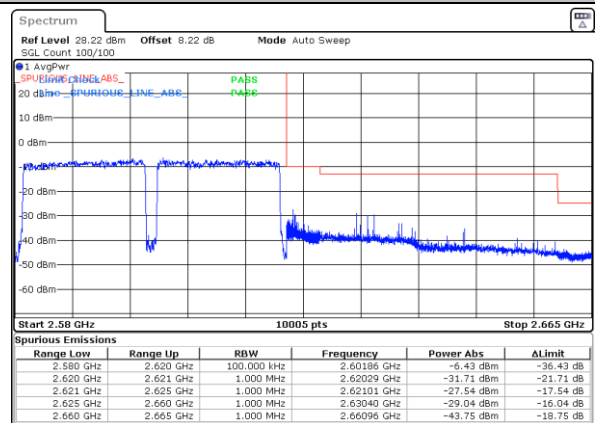
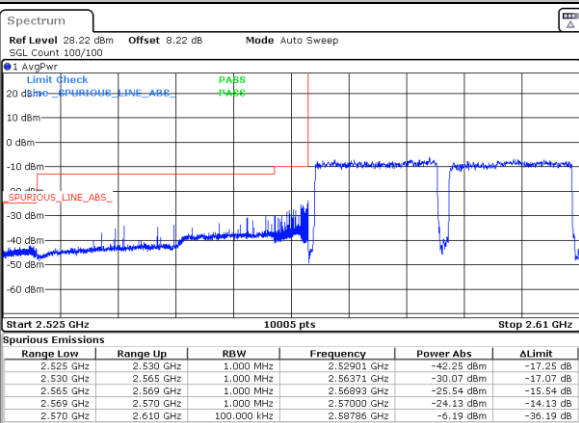


Date: 16.MAY.2024 15:45:06

Date: 16.MAY.2024 15:55:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.MAY.2024 15:37:04

Date: 16.MAY.2024 16:03:16



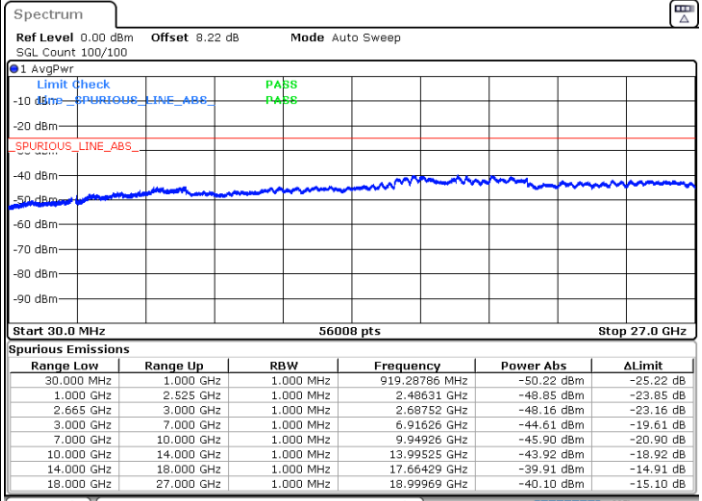
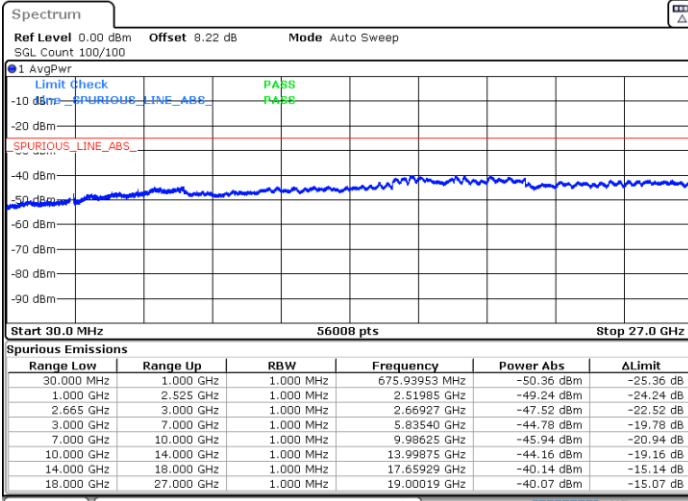
Conducted Spurious Emission

LTE Band 38C / 15MHz+15MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0

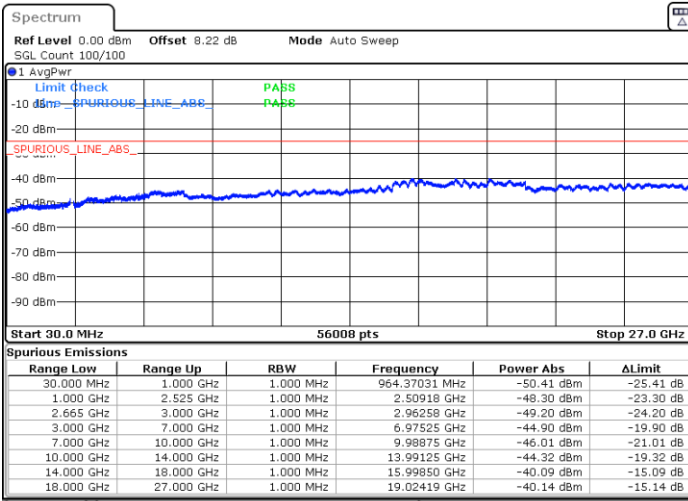


Date: 16.MAY.2024 15:13:48

Date: 16.MAY.2024 15:17:19

Highest Channel / 1RB74 and 1RB0

N/A



Date: 16.MAY.2024 15:22:34

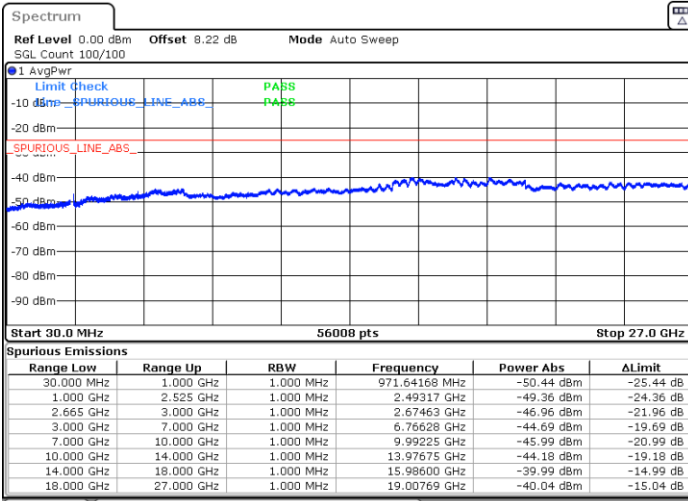


LTE Band 38C / 20MHz+20MHz

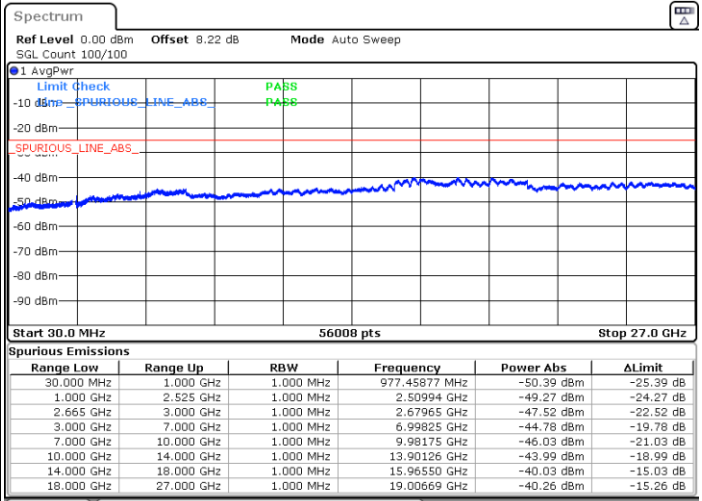
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



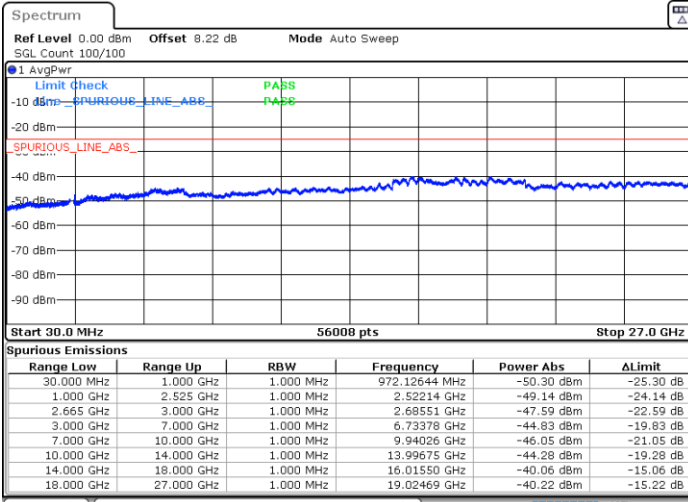
Date: 16.MAY.2024 15:47:01



Date: 16.MAY.2024 15:49:02

Highest Channel / 1RB99 and 1RB0

N/A



Date: 16.MAY.2024 15:51:03



Frequency Stability

Test Conditions		LTE Band 38C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0054	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0032	
20	Battery End Point	0.0024	

Note:

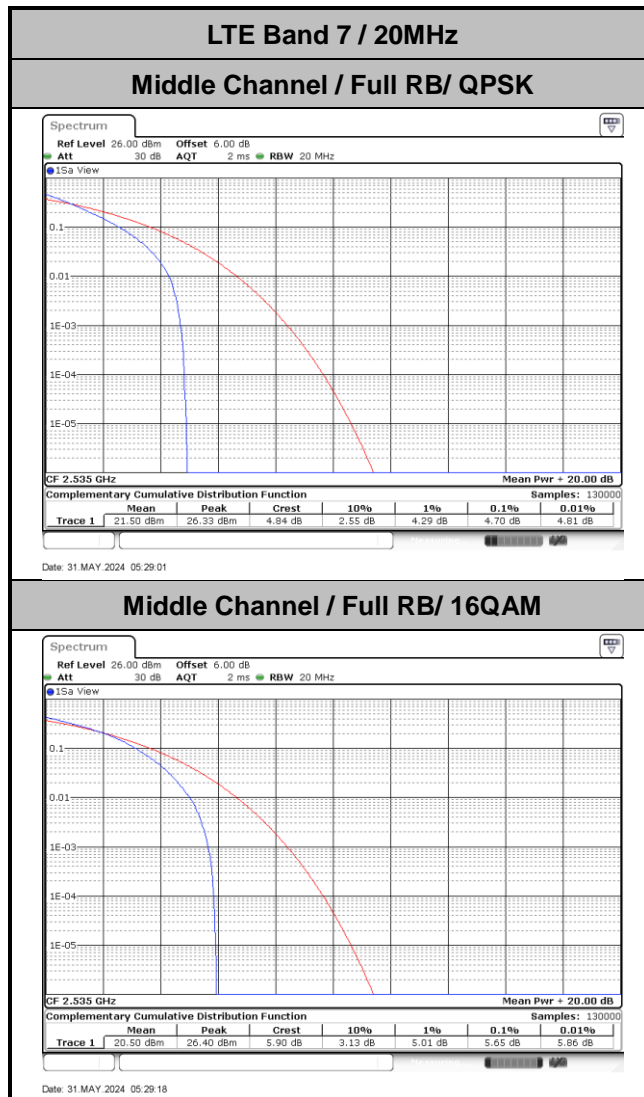
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

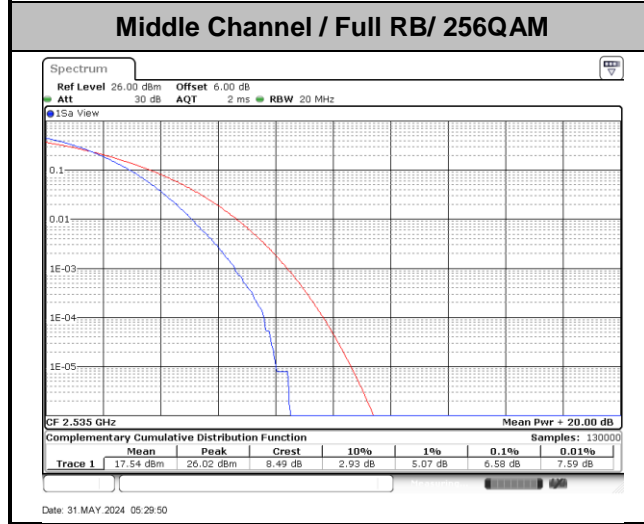
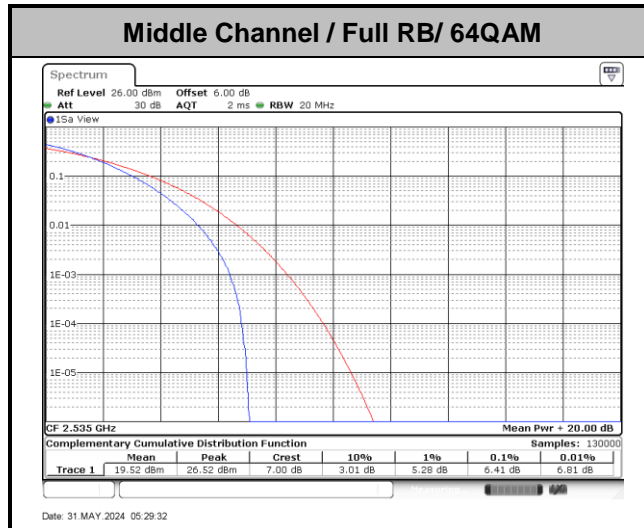


LTE Band 7(Other PA)

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.70	5.65	6.41	6.58	PASS

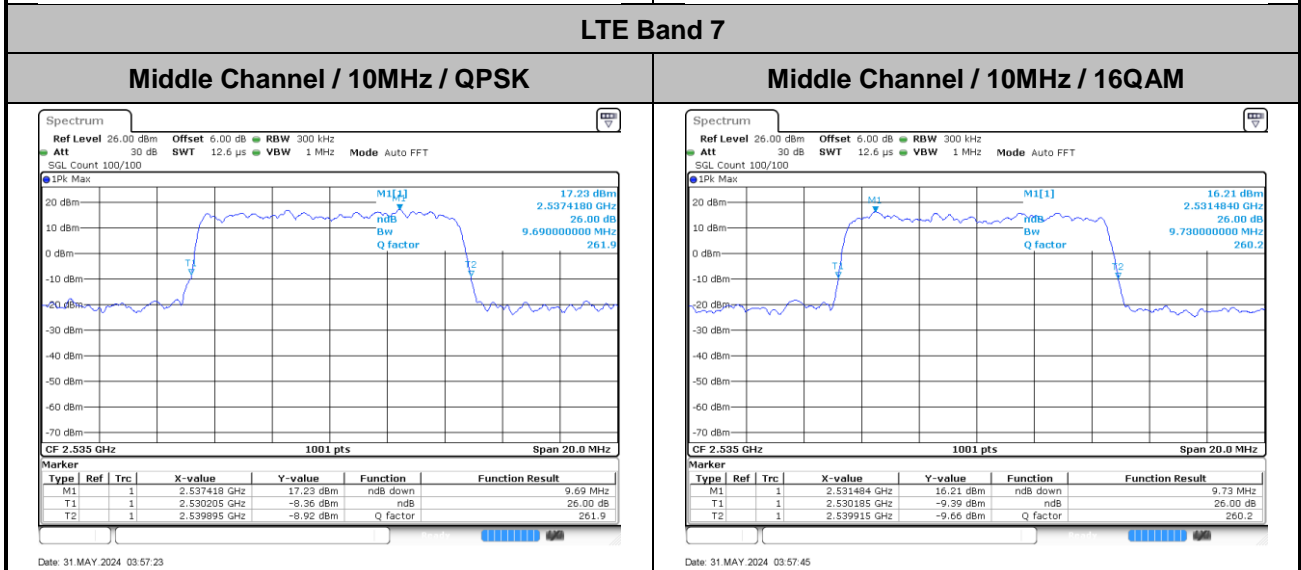
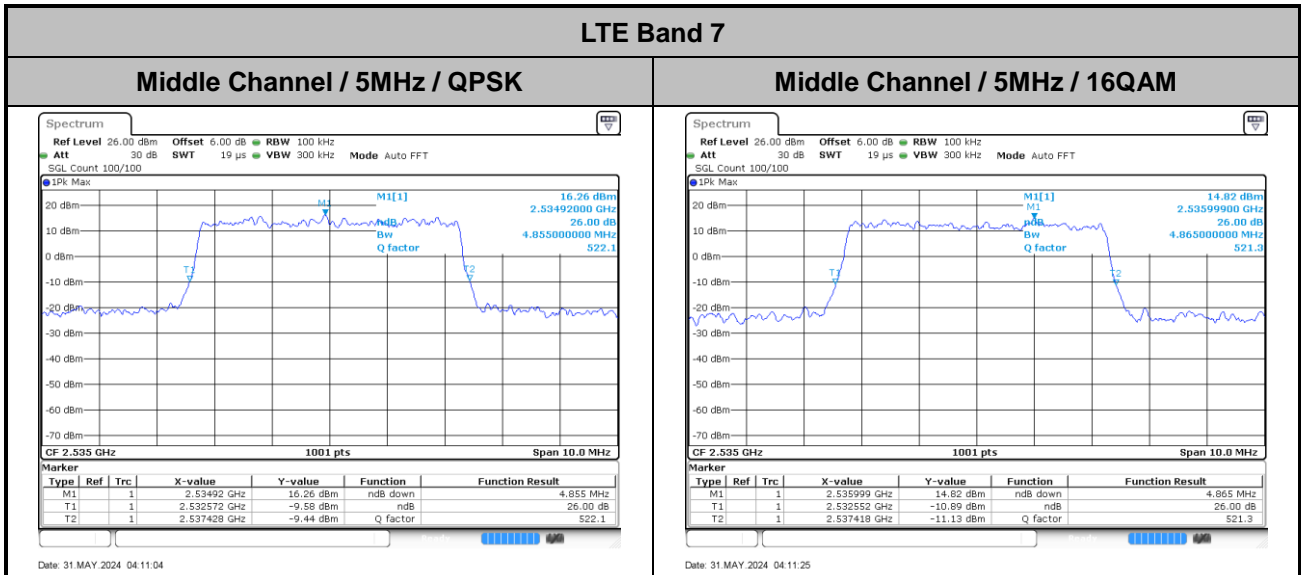






26dB Bandwidth

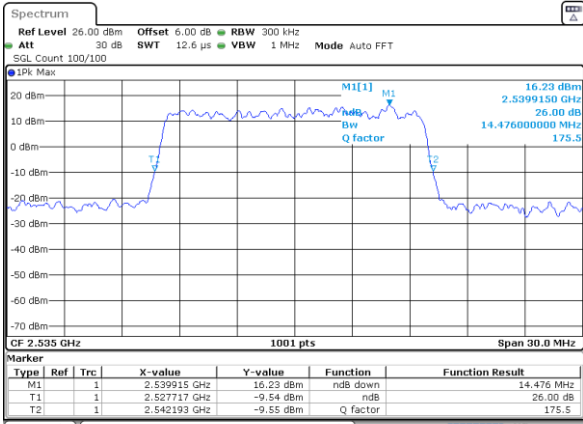
Mode	LTE Band 7 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.86	4.87	9.69	9.73	14.48	14.39	18.78	18.82





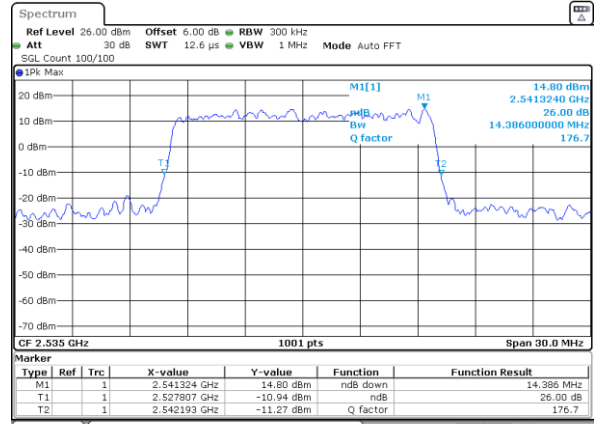
LTE Band 7

Middle Channel / 15MHz / QPSK



Date: 31 MAY 2024 03:34:20

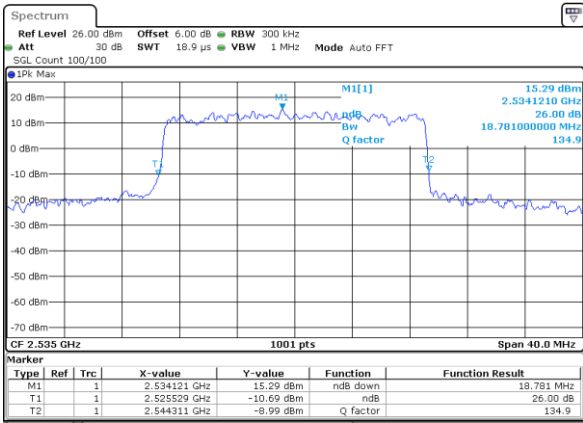
Middle Channel / 15MHz / 16QAM



Date: 31 MAY 2024 03:34:50

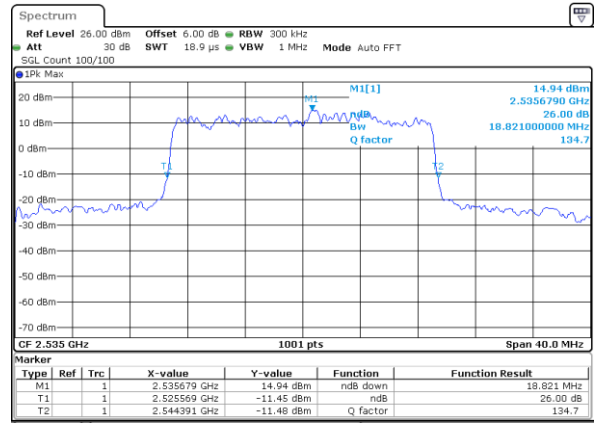
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 31 MAY 2024 03:59:59

Middle Channel / 20MHz / 16QAM

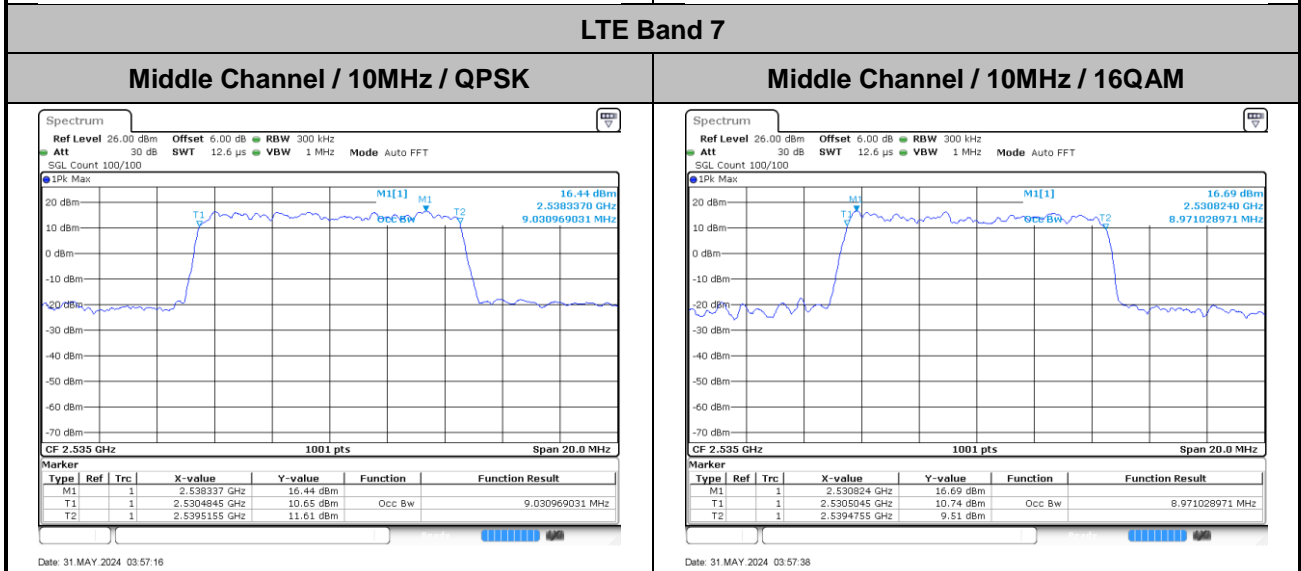
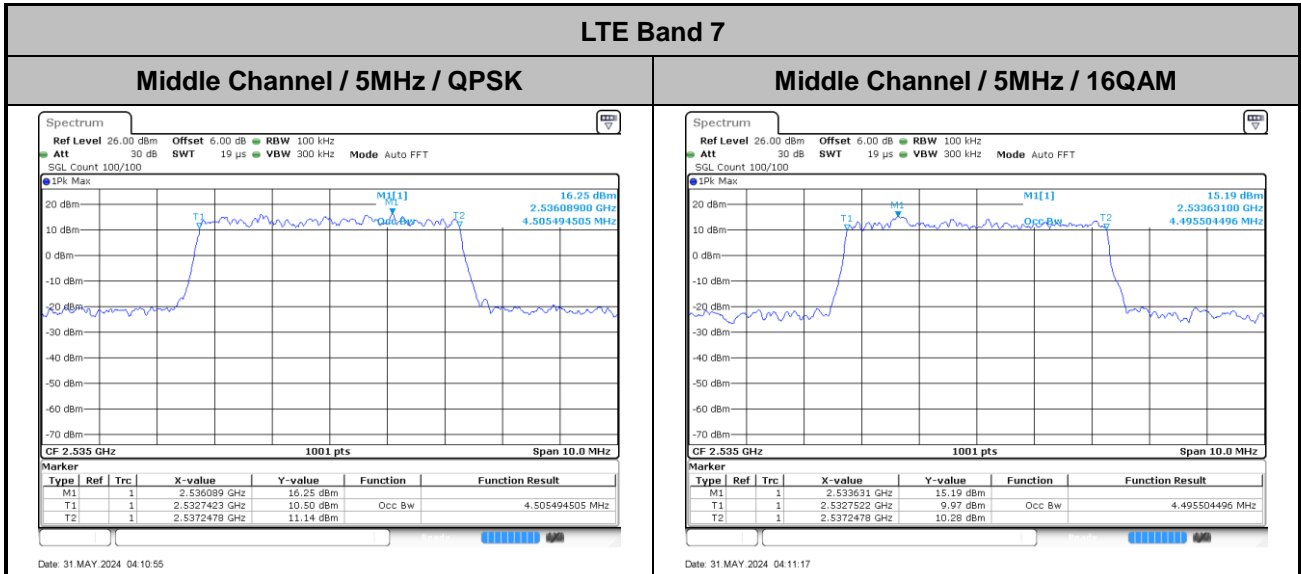


Date: 31 MAY 2024 04:00:23



Occupied Bandwidth

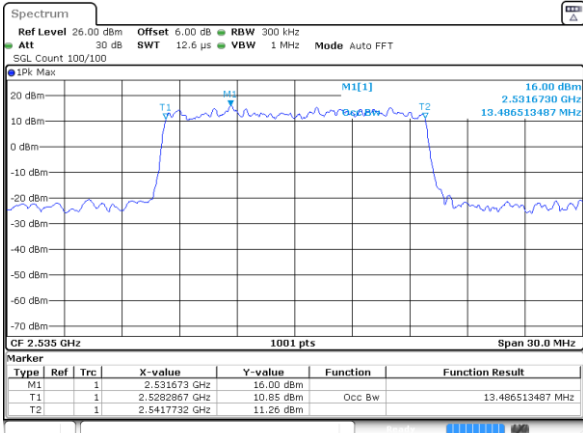
Mode	LTE Band 7 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.51	4.50	9.03	8.97	13.49	13.40	17.86	17.94





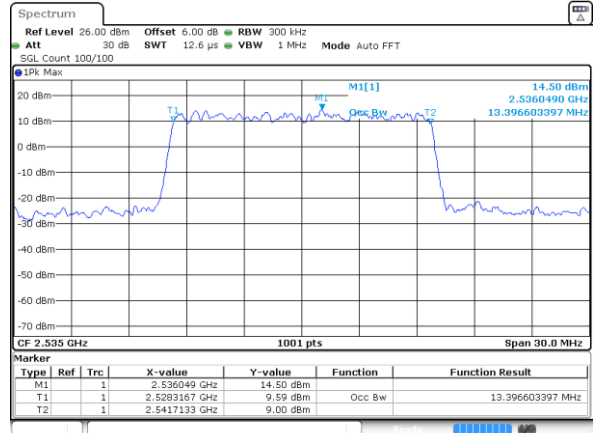
LTE Band 7

Middle Channel / 15MHz / QPSK



Date: 31 MAY 2024 03:34:13

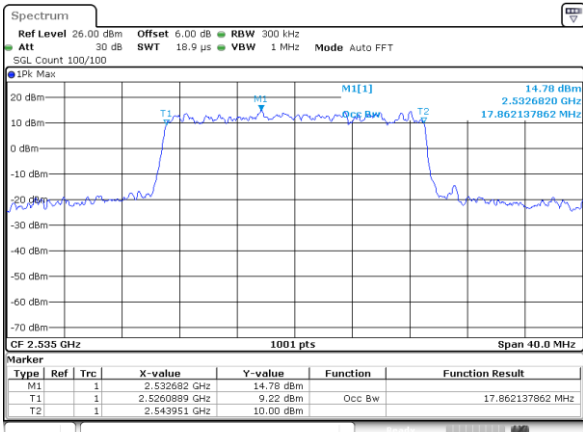
Middle Channel / 15MHz / 16QAM



Date: 31 MAY 2024 03:34:32

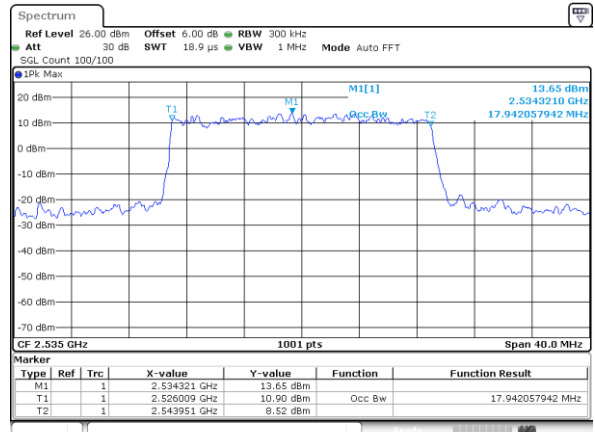
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 31.MAY.2024 03:59:51

Middle Channel / 20MHz / 16QAM



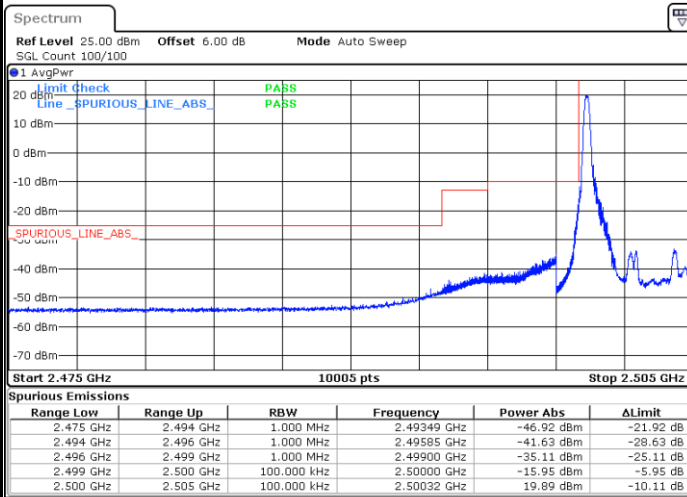
Date: 31.MAY.2024 04:00:14



Conducted Band Edge

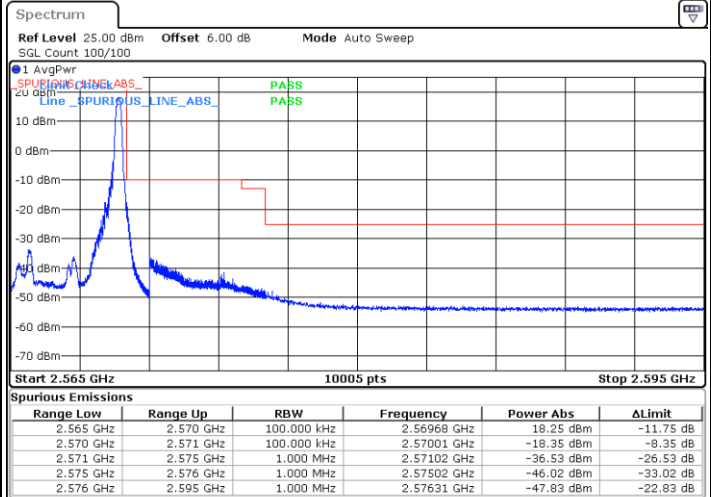
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



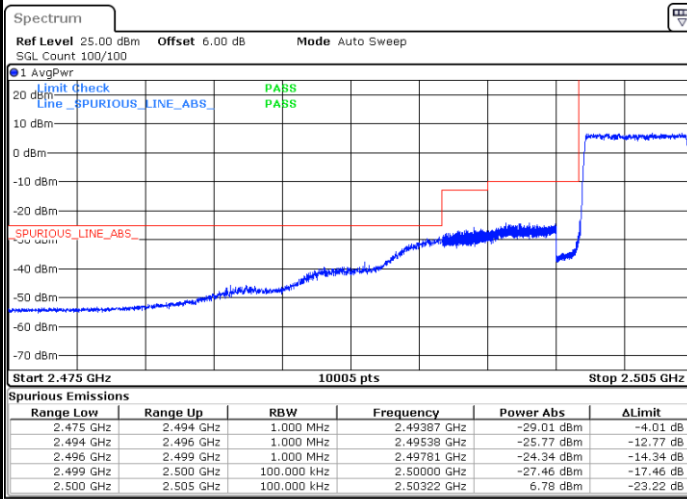
Date: 31.MAY.2024 04:07:03

Highest Band Edge / 1 RB



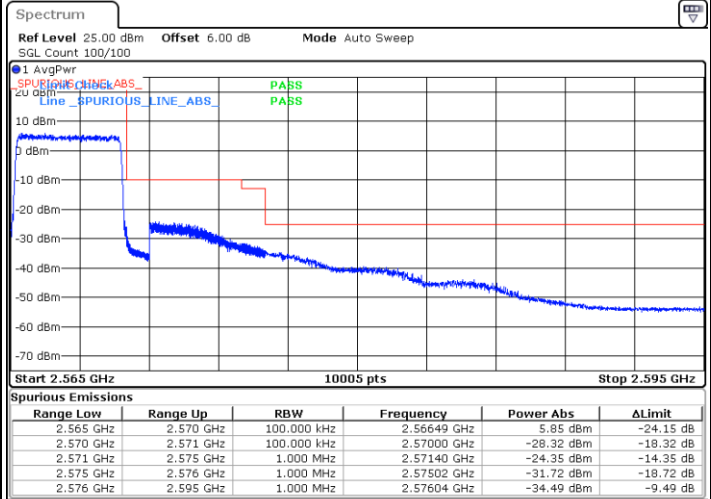
Date: 31.MAY.2024 04:14:14

Lowest Band Edge / Full RB



Date: 31.MAY.2024 04:04:50

Highest Band Edge / Full RB



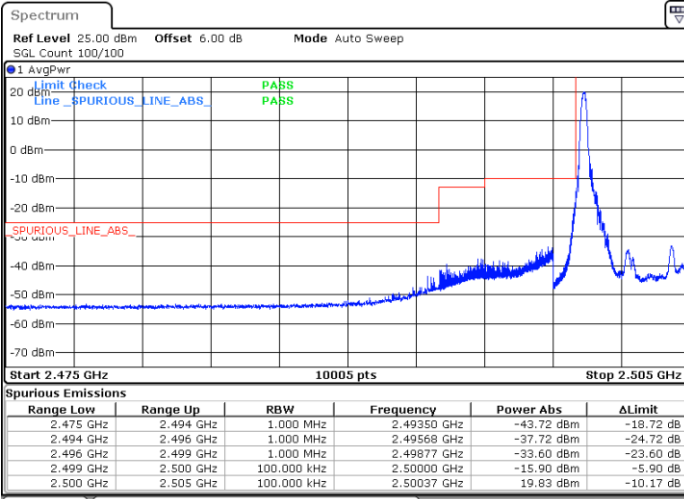
Date: 31.MAY.2024 04:11:58



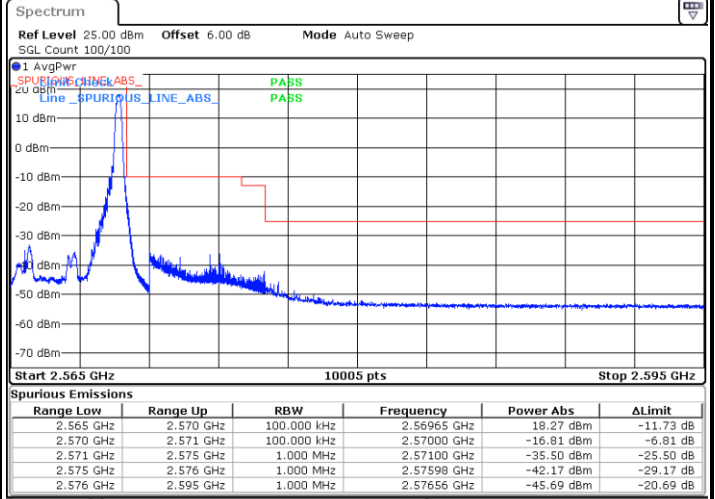
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



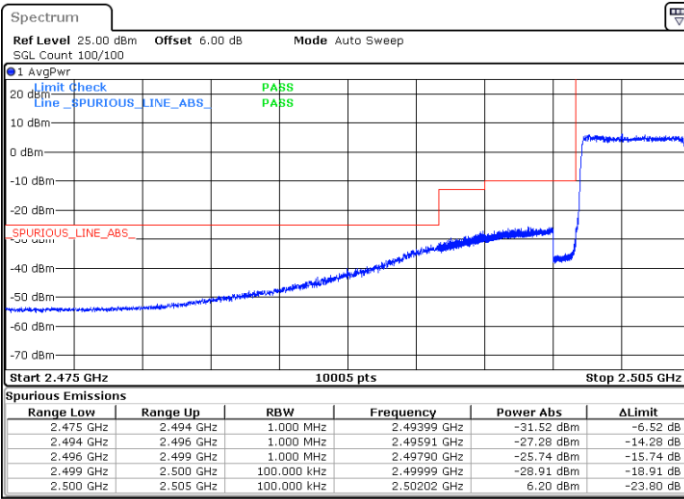
Date: 31.MAY.2024 04:06:41



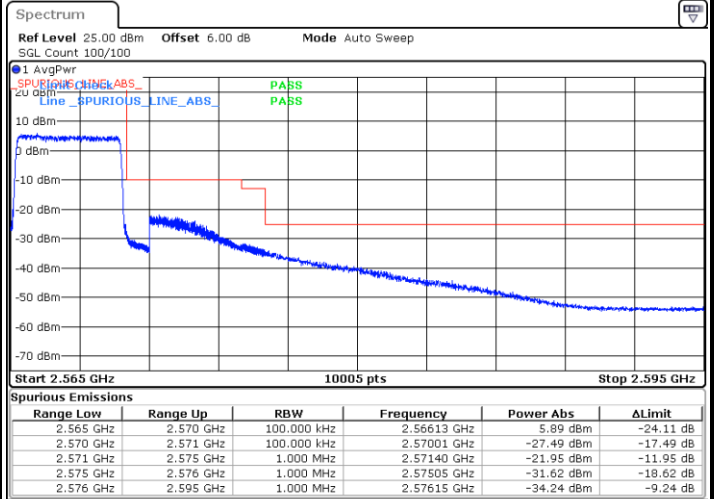
Date: 31.MAY.2024 04:13:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.MAY.2024 04:05:08



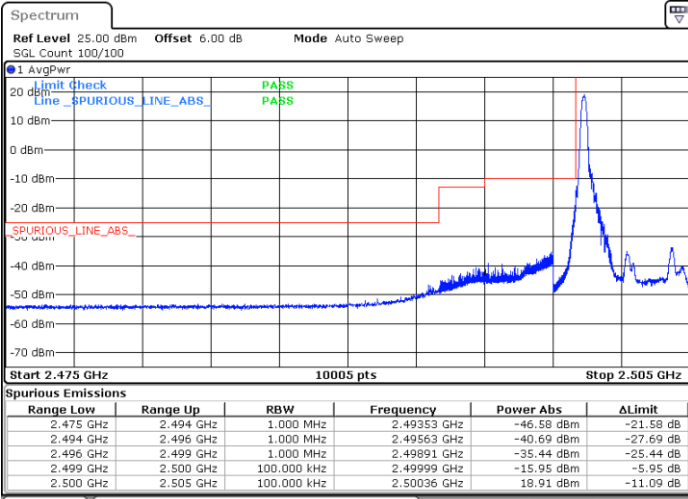
Date: 31.MAY.2024 04:12:16



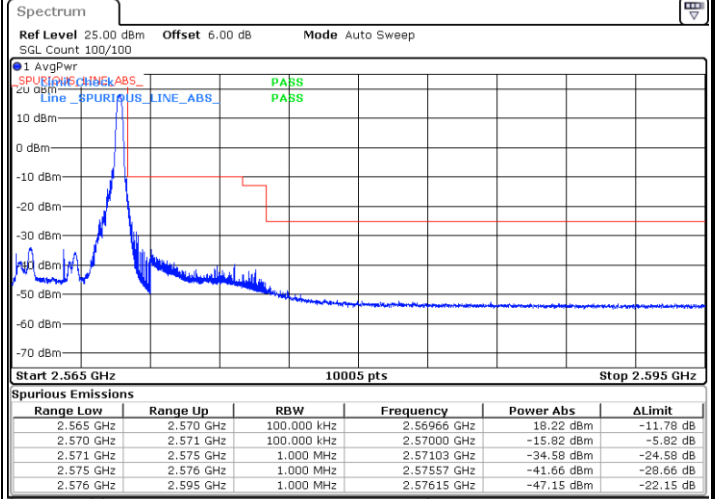
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



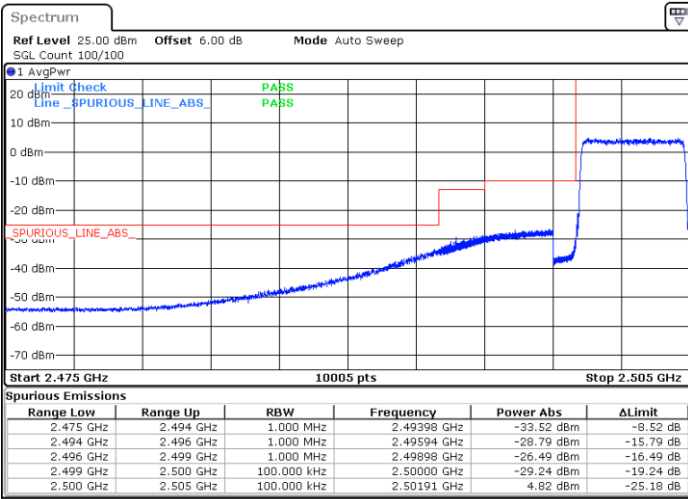
Date: 31.MAY.2024 04:06:25



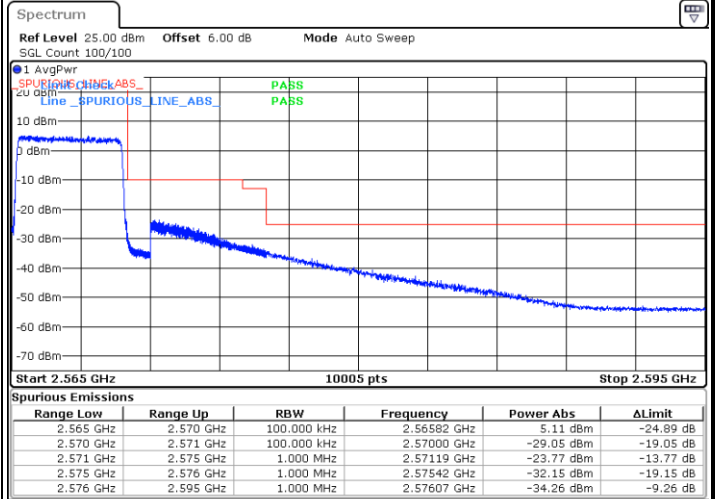
Date: 31.MAY.2024 04:13:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.MAY.2024 04:05:27



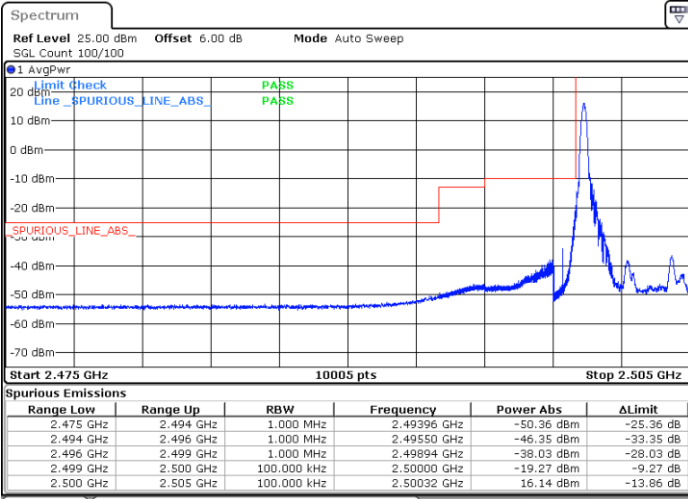
Date: 31.MAY.2024 04:12:39



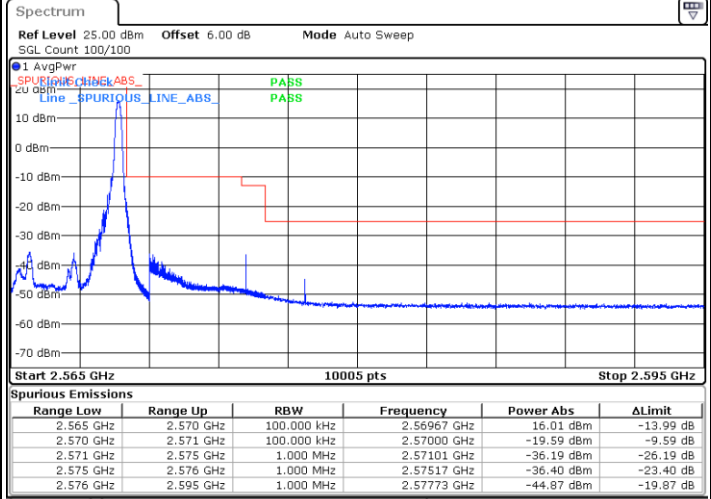
LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



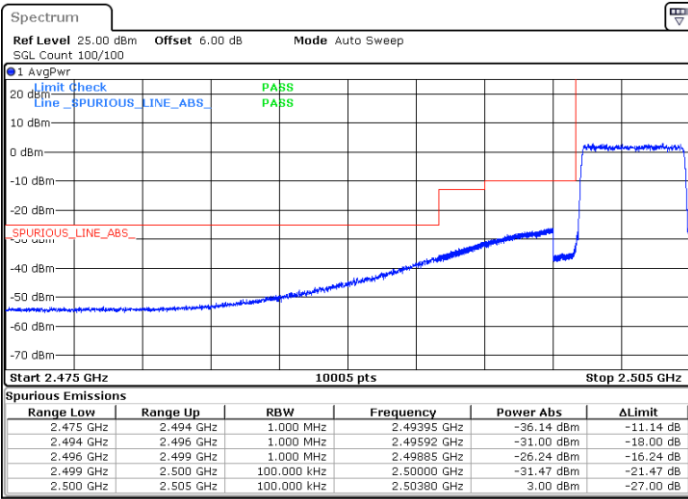
Date: 31.MAY.2024 04:06:07



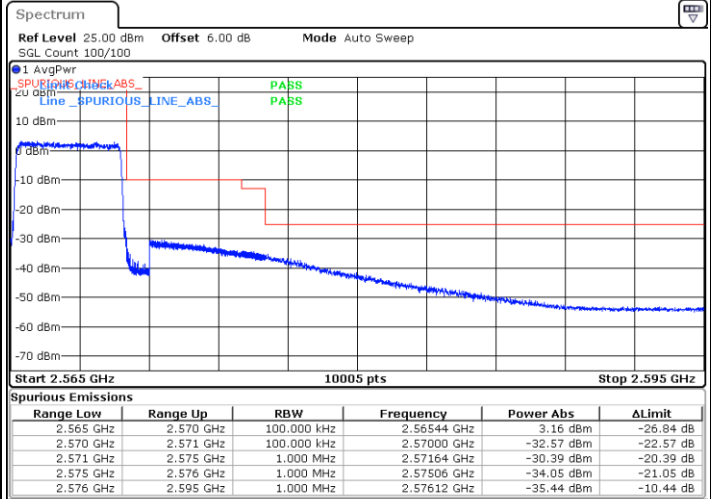
Date: 31.MAY.2024 04:13:22

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.MAY.2024 04:05:47



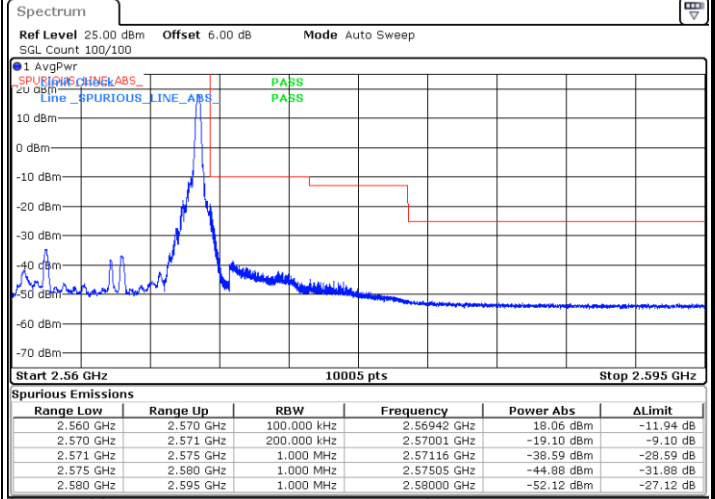
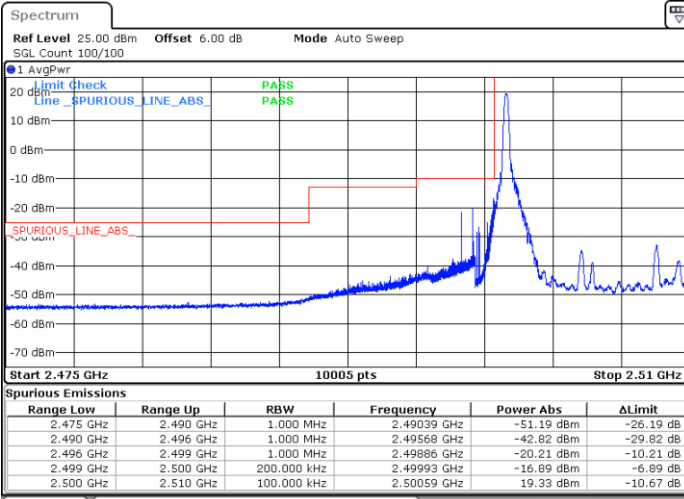
Date: 31.MAY.2024 04:12:56



LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

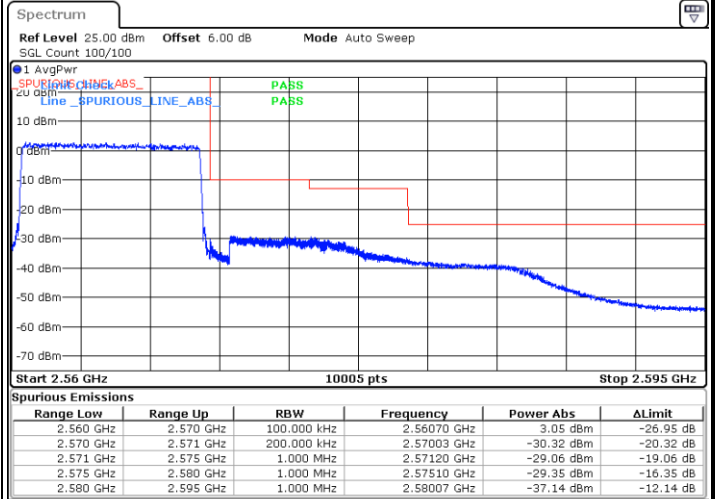
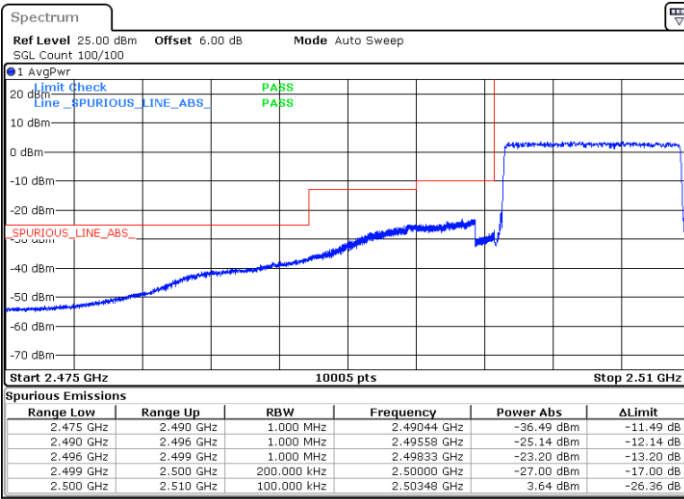


Date: 31.MAY.2024 03:52:45

Date: 31.MAY.2024 04:01:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.MAY.2024 03:55:12

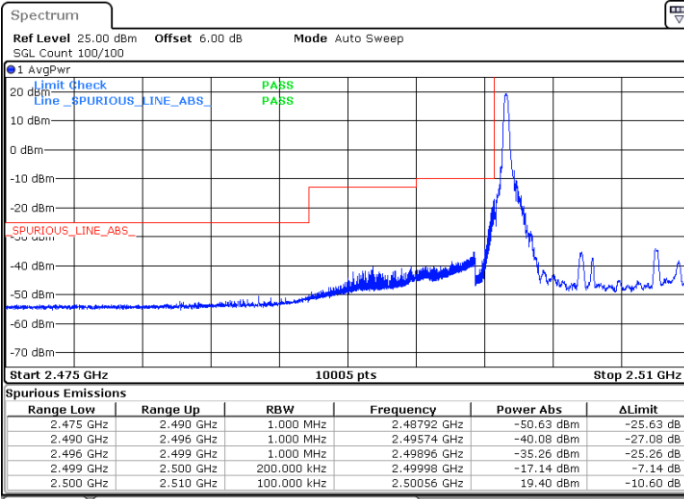
Date: 31.MAY.2024 04:03:44



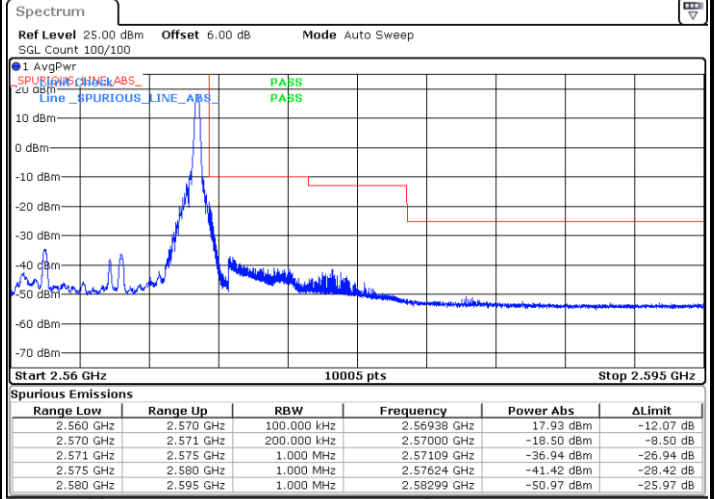
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



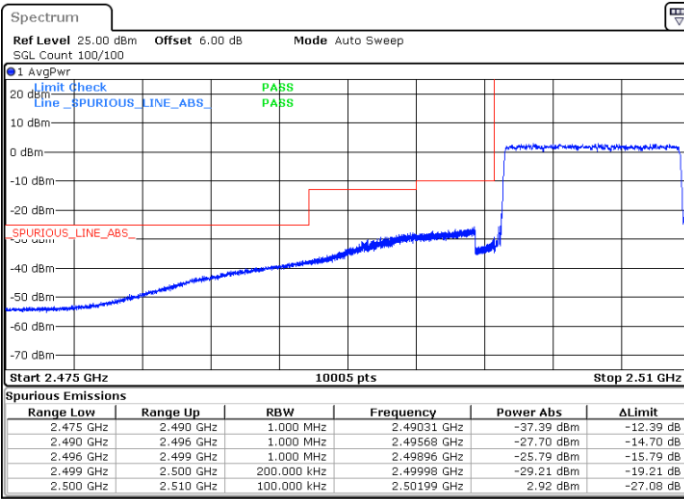
Date: 31.MAY.2024 03:53:02



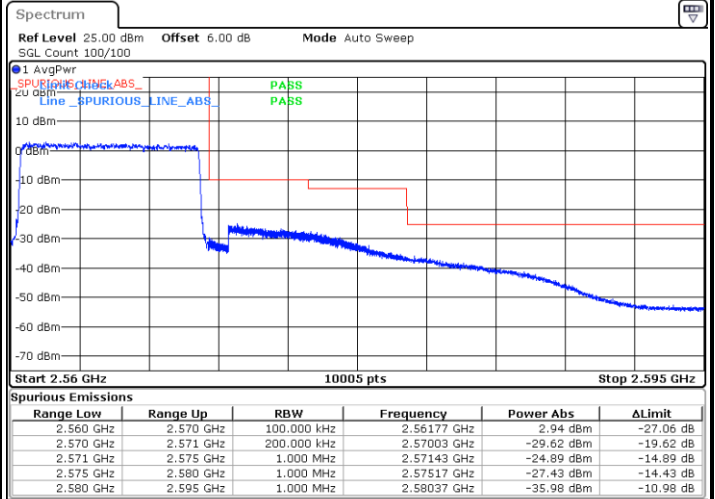
Date: 31.MAY.2024 04:01:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.MAY.2024 03:56:02



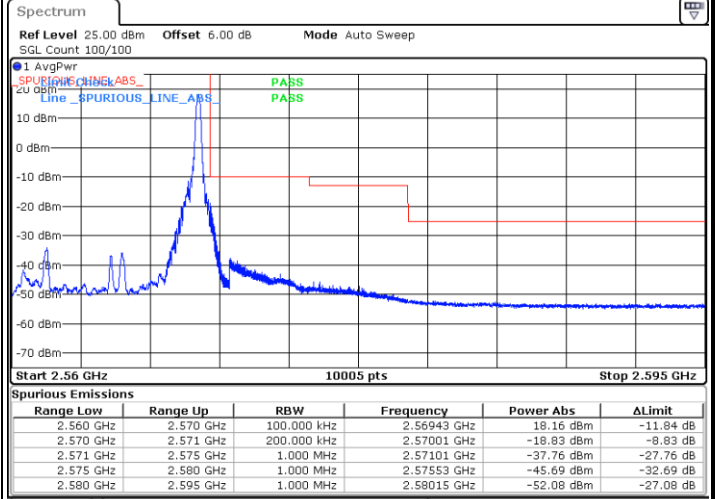
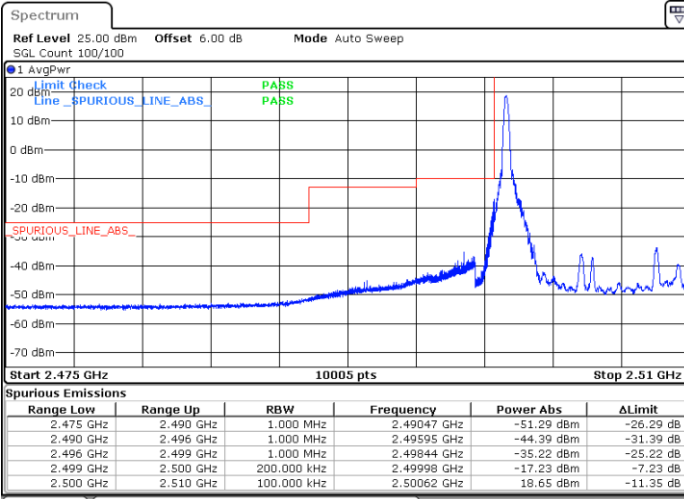
Date: 31.MAY.2024 04:03:29



LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

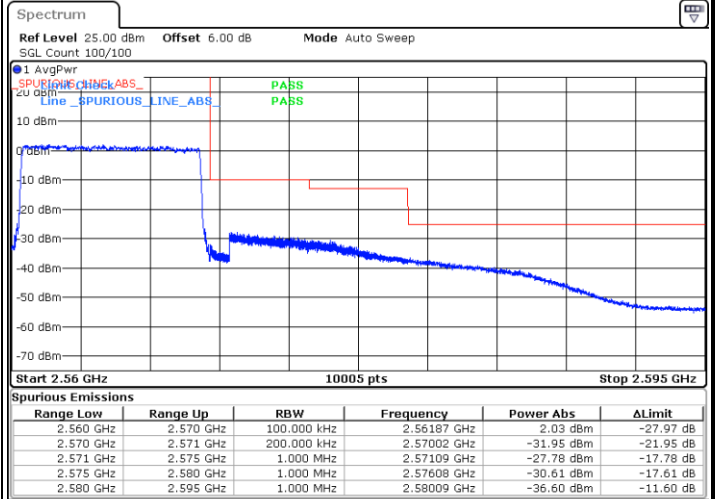
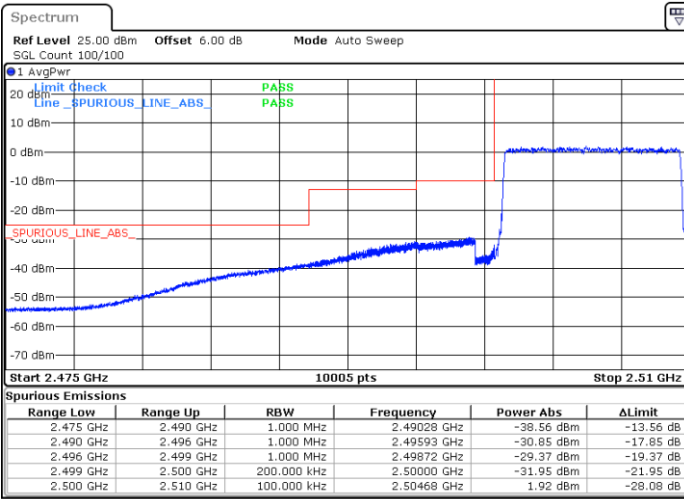


Date: 31.MAY.2024 03:53:20

Date: 31.MAY.2024 04:02:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.MAY.2024 03:55:48

Date: 31.MAY.2024 04:03:07