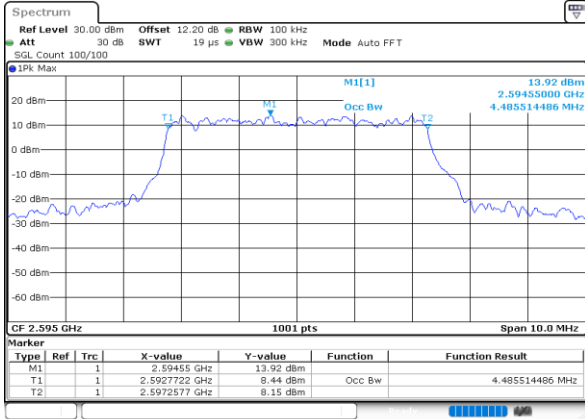




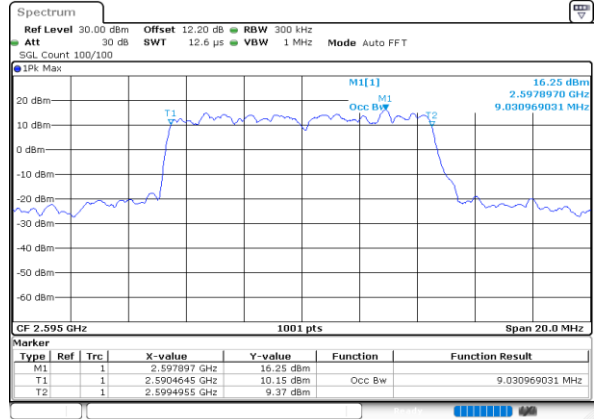
LTE Band 38

Middle Channel / 5MHz / 256QAM



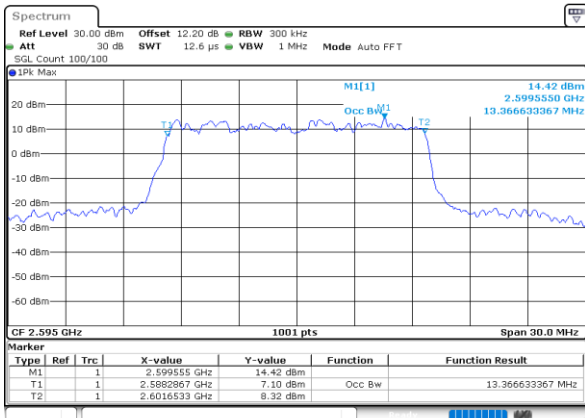
Date: 13.FEB.2023 12:04:37

Middle Channel / 10MHz / 256QAM



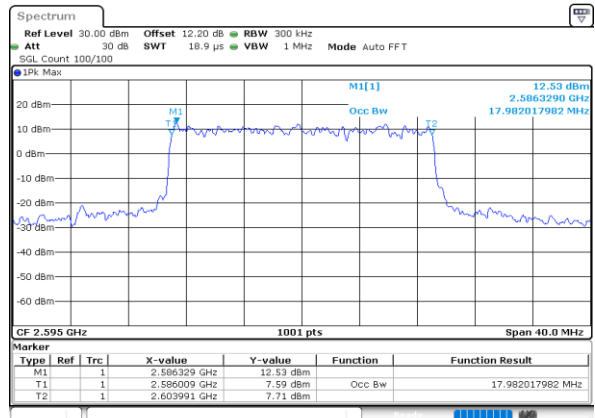
Date: 13.FEB.2023 12:05:25

Middle Channel / 15MHz / 256QAM



Date: 13.FEB.2023 12:06:14

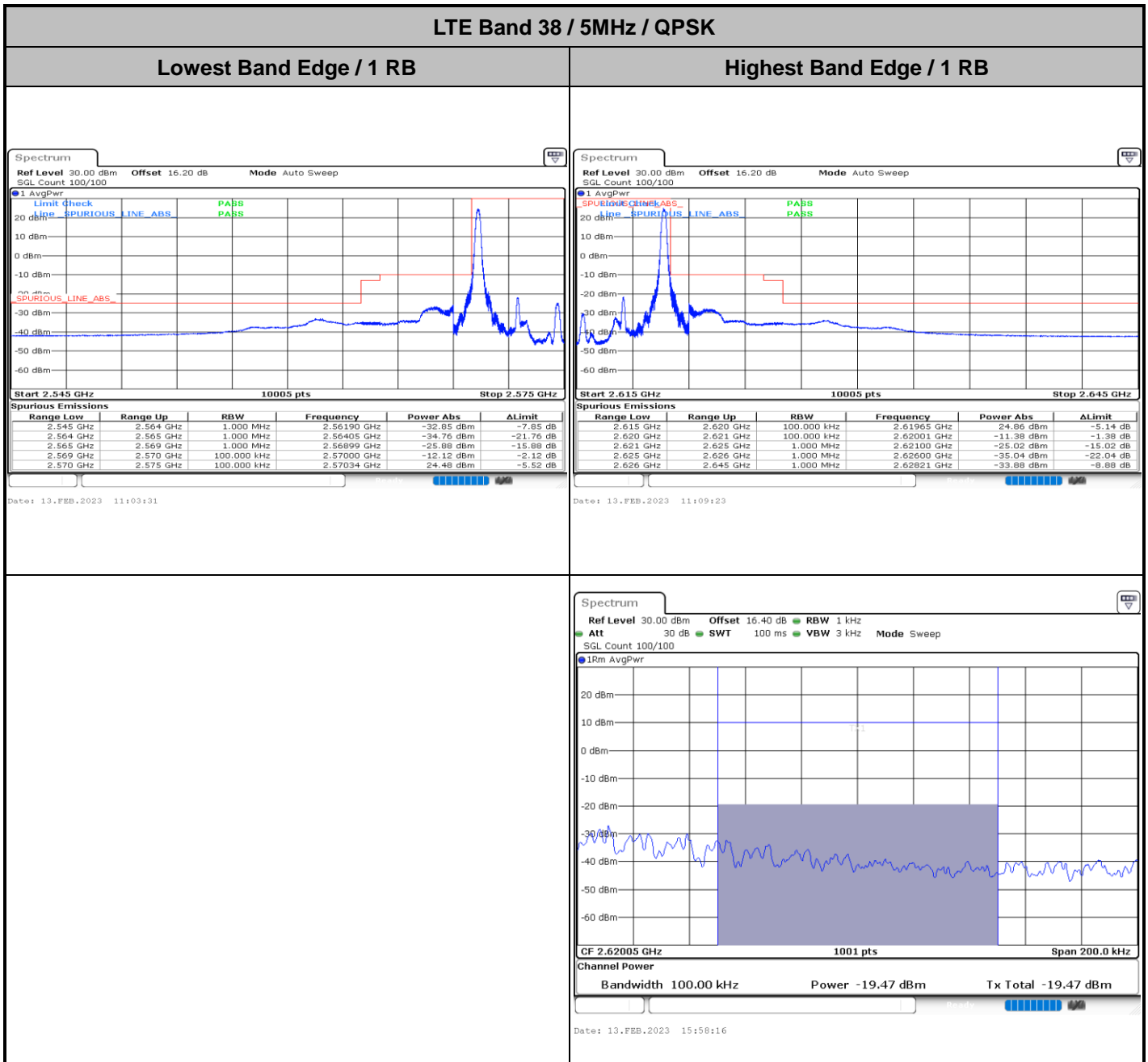
Middle Channel / 20MHz / 256QAM

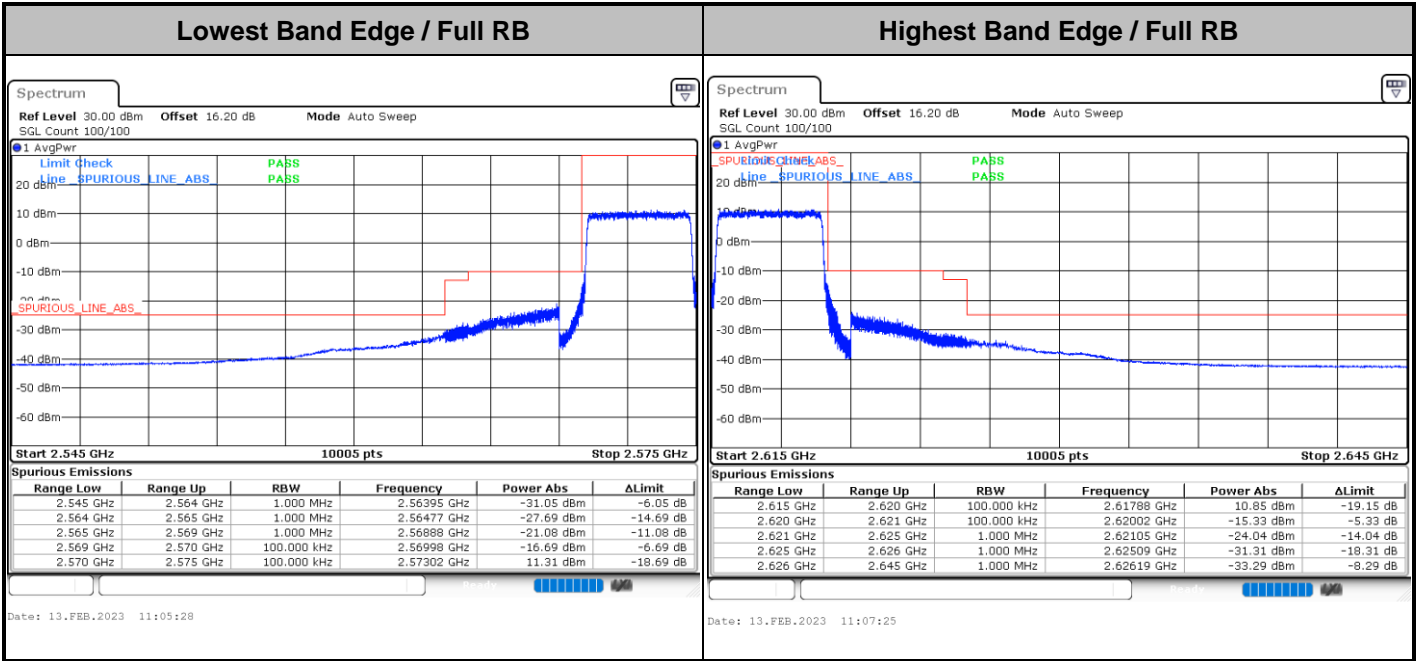


Date: 13.FEB.2023 12:07:05



Conducted Band Edge



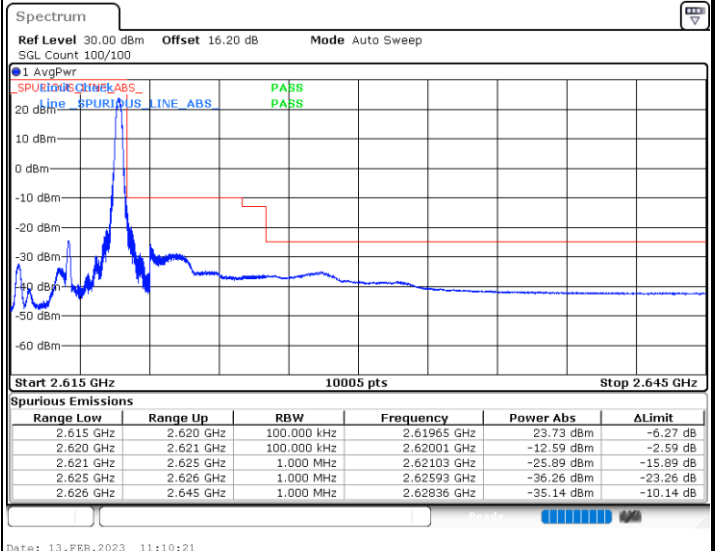
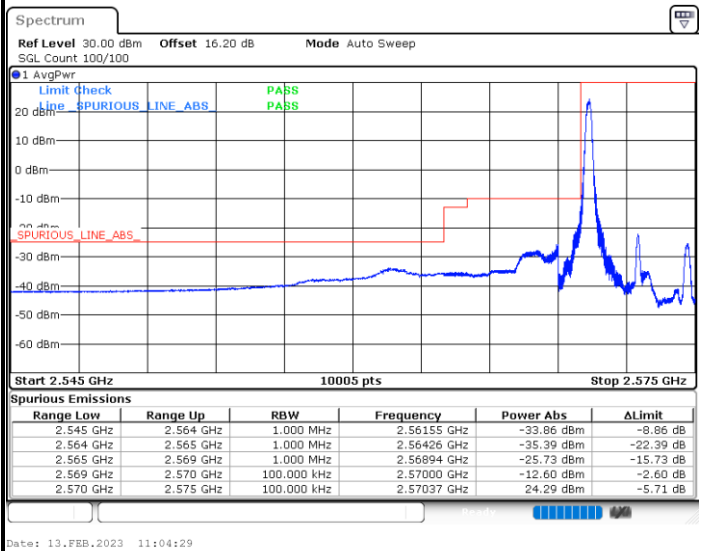




LTE Band 38 / 5MHz / 16QAM

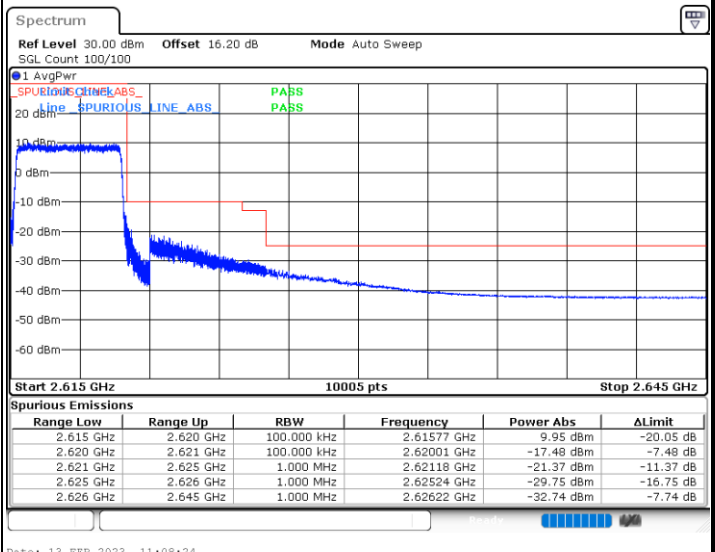
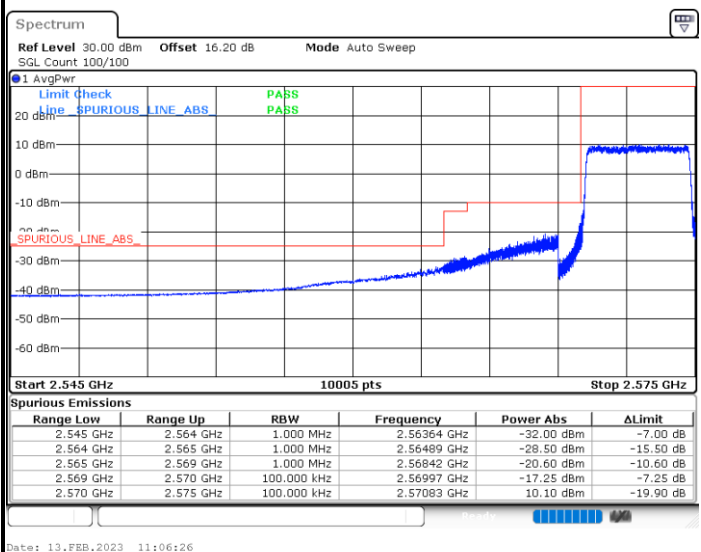
Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

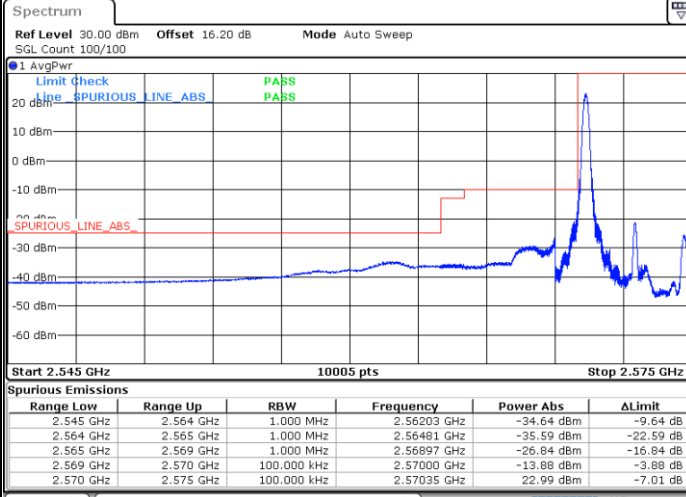
Highest Band Edge / Full RB





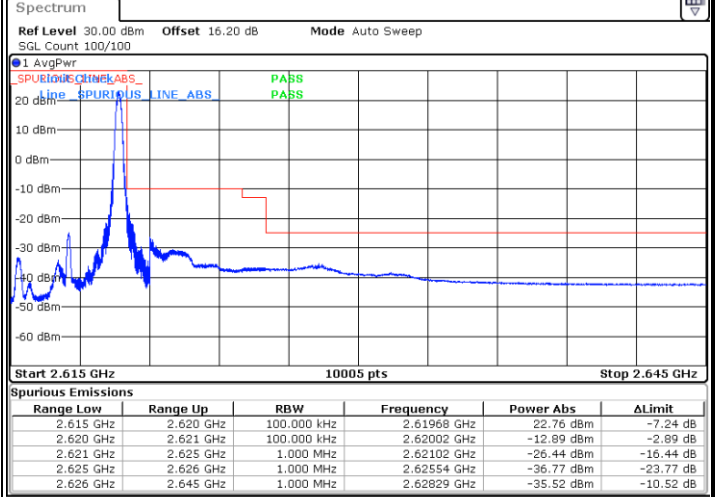
LTE Band 38 / 5MHz / 64QAM

Lowest Band Edge / 1RB



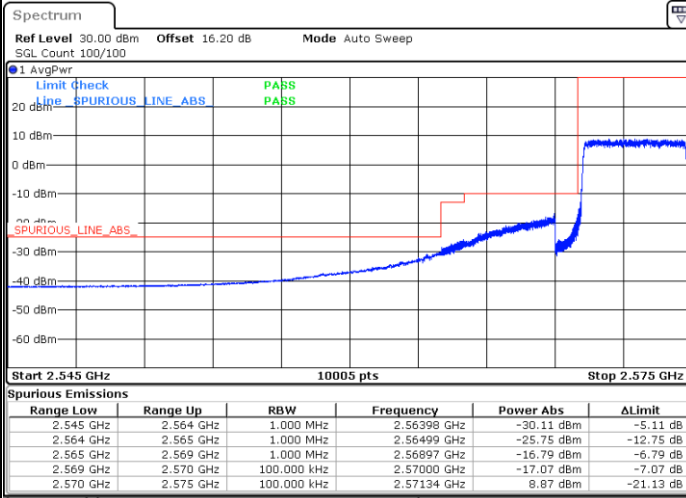
Date: 13.FEB.2023 11:11:21

Highest Band Edge / 1 RB



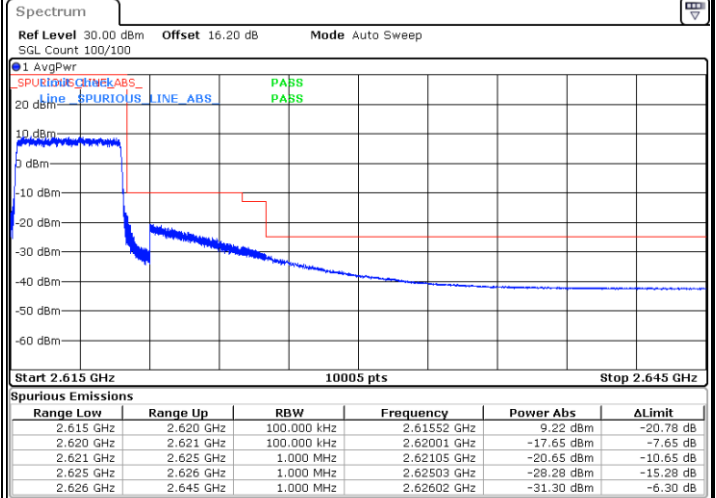
Date: 13.FEB.2023 11:14:18

Lowest Band Edge / Full RB



Date: 13.FEB.2023 11:12:20

Highest Band Edge / Full RB

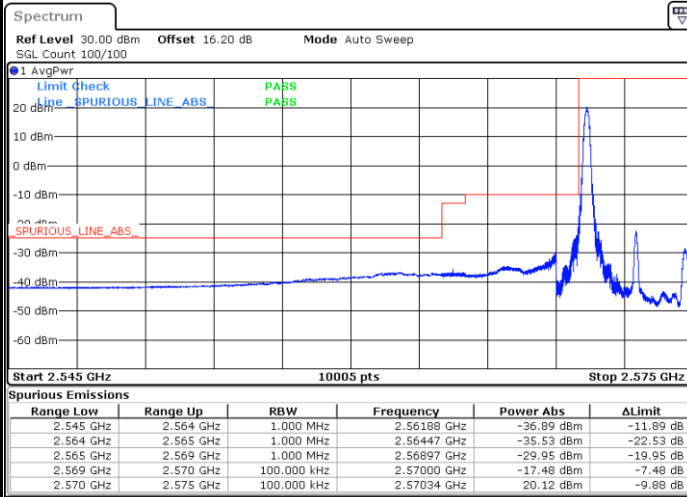


Date: 13.FEB.2023 11:13:19



LTE Band 38 / 5MHz / 256QAM

Lowest Band Edge / 1RB



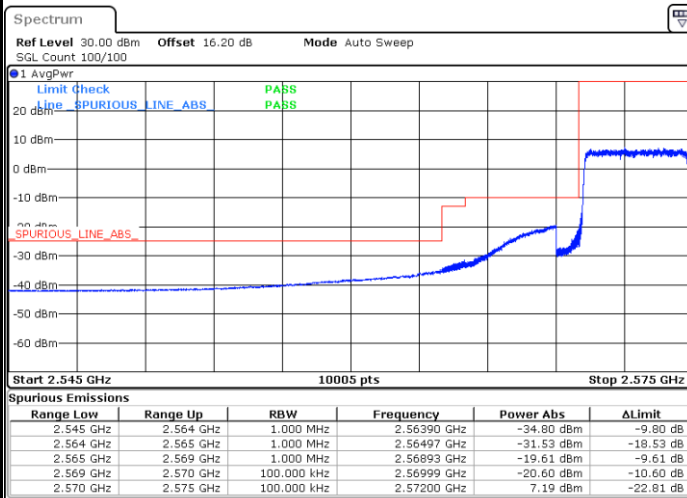
Date: 13.FEB.2023 11:42:22

Highest Band Edge / 1 RB



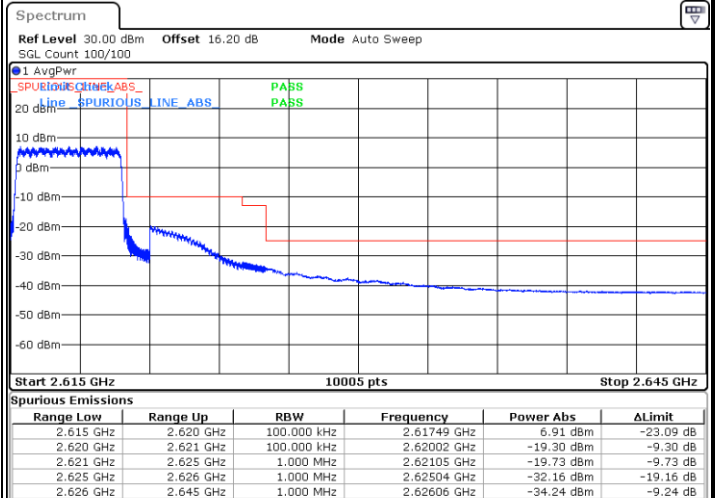
Date: 13.FEB.2023 11:45:18

Lowest Band Edge / Full RB



Date: 13.FEB.2023 11:43:21

Highest Band Edge / Full RB

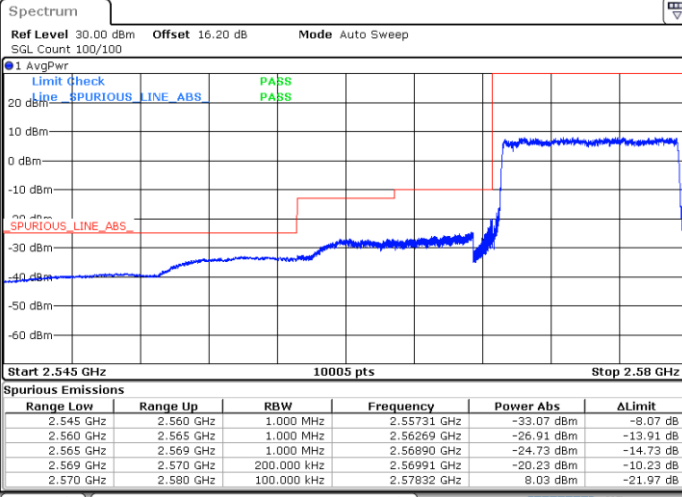


Date: 13.FEB.2023 11:44:19



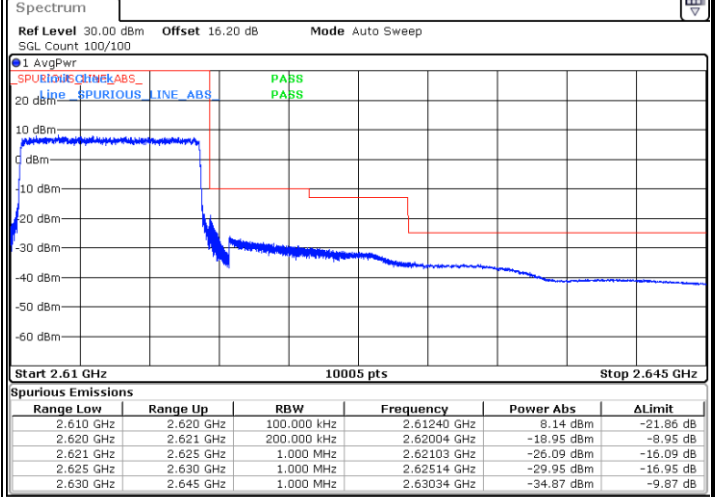
LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 13.FEB.2023 16:04:03

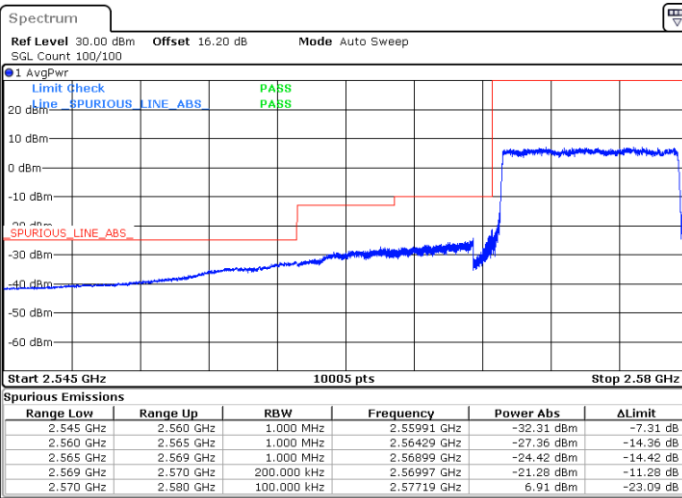
Highest Band Edge / Full RB



Date: 13.FEB.2023 11:21:01

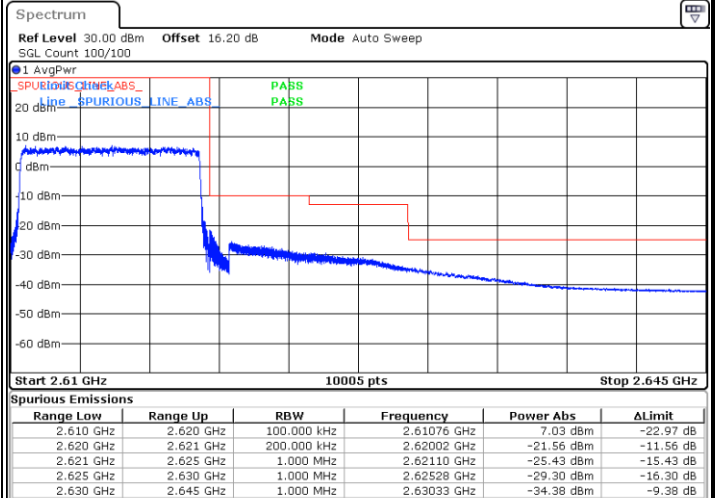
LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 13.FEB.2023 11:20:03

Highest Band Edge / Full RB

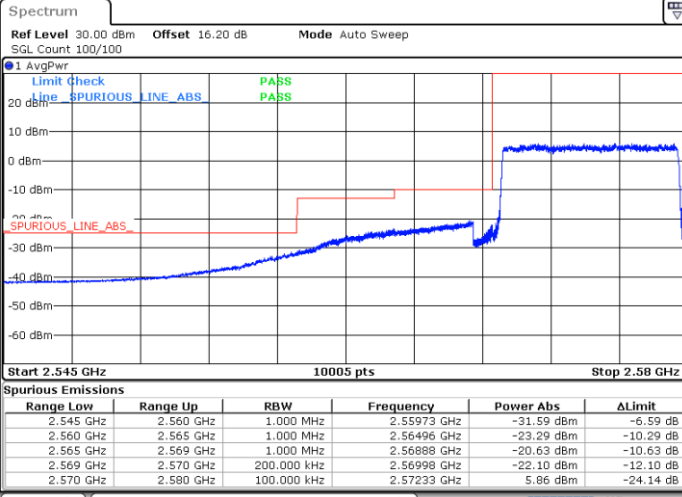


Date: 13.FEB.2023 11:22:01



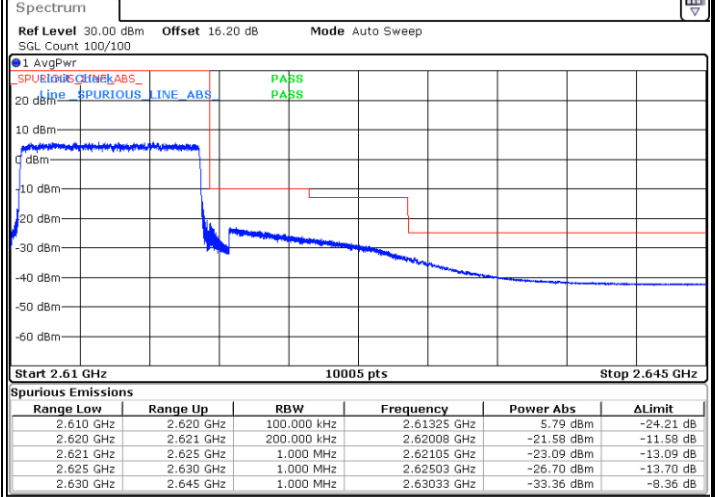
LTE Band 38 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 13.FEB.2023 11:17:06

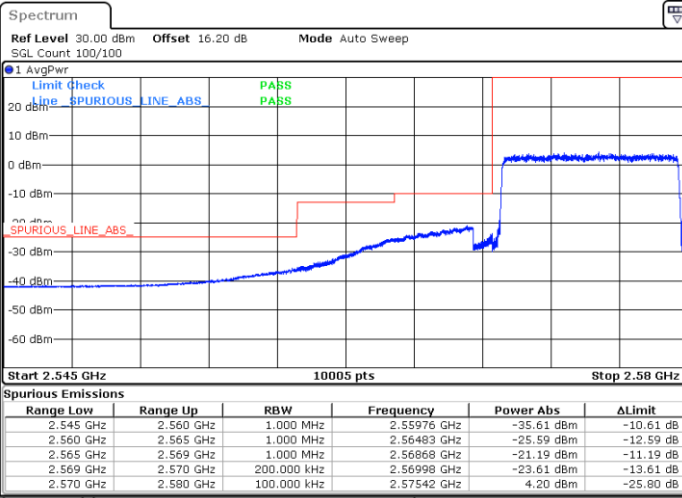
Highest Band Edge / Full RB



Date: 13.FEB.2023 11:18:05

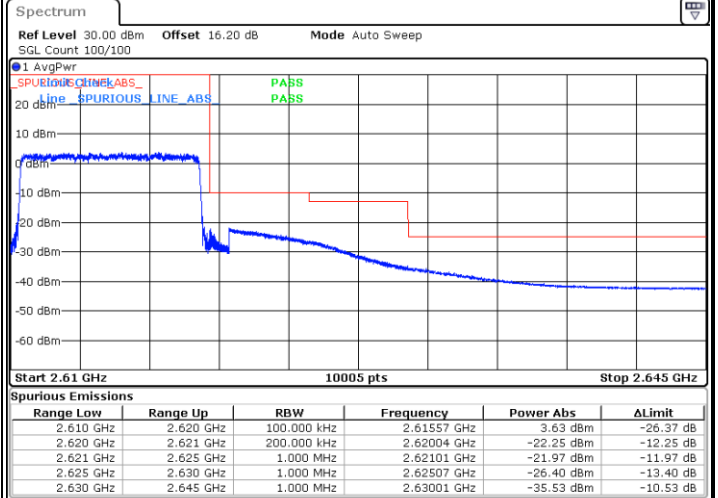
LTE Band 38 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 13.FEB.2023 11:46:21

Highest Band Edge / Full RB



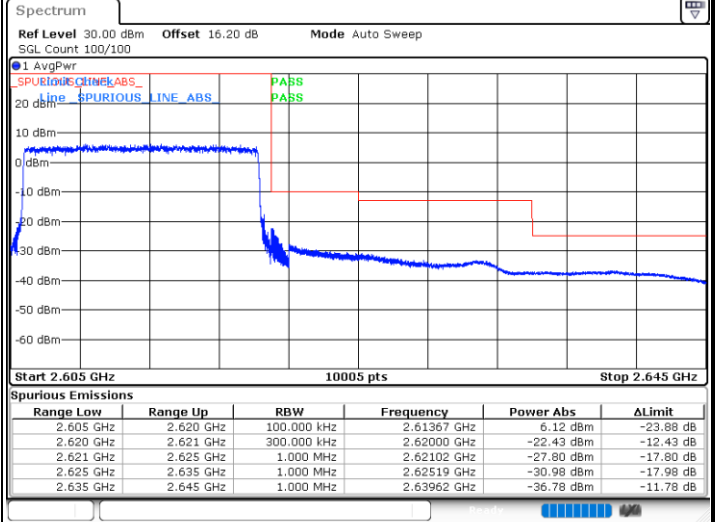
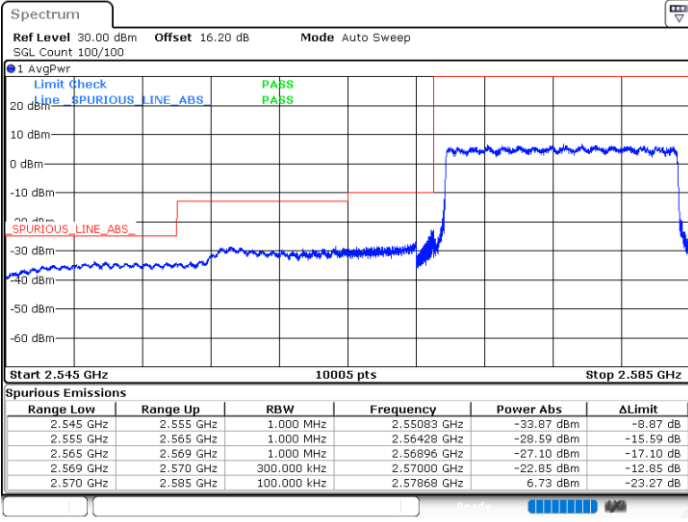
Date: 13.FEB.2023 11:47:19



LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



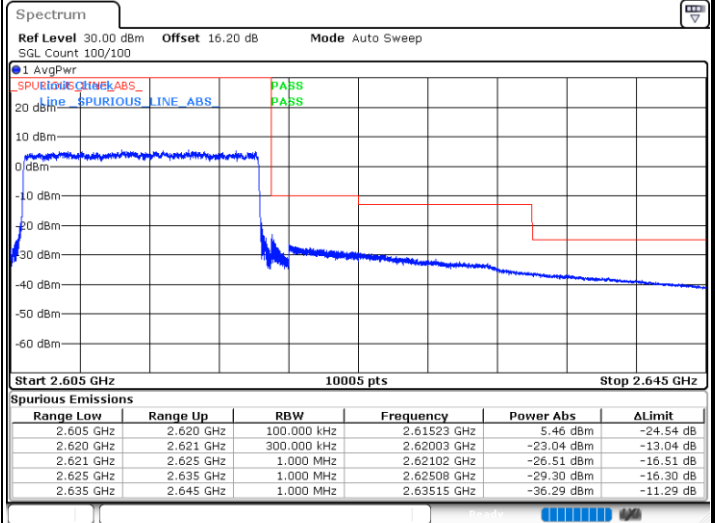
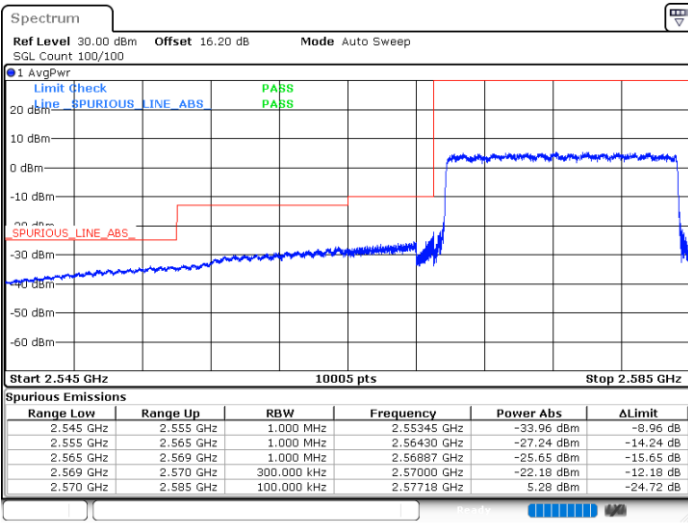
Date: 13.FEB.2023 16:15:19

Date: 13.FEB.2023 11:26:47

LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



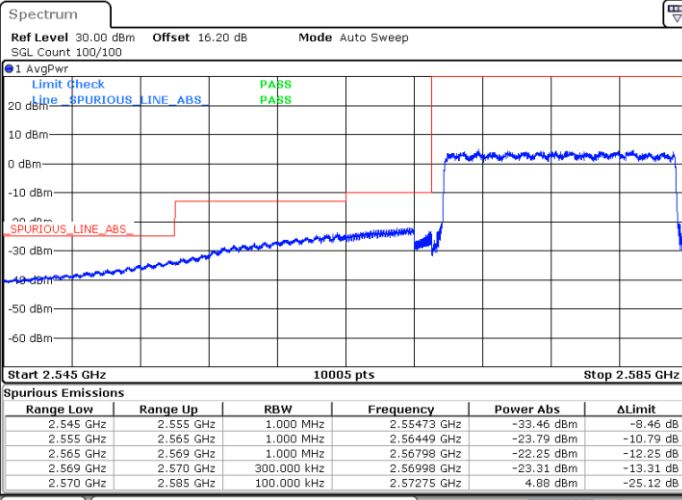
Date: 13.FEB.2023 11:25:48

Date: 13.FEB.2023 11:27:46



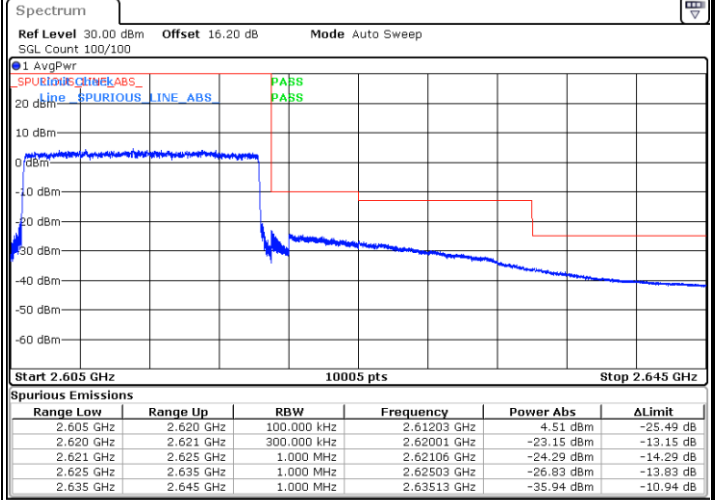
LTE Band 38 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 13.FEB.2023 11:28:44

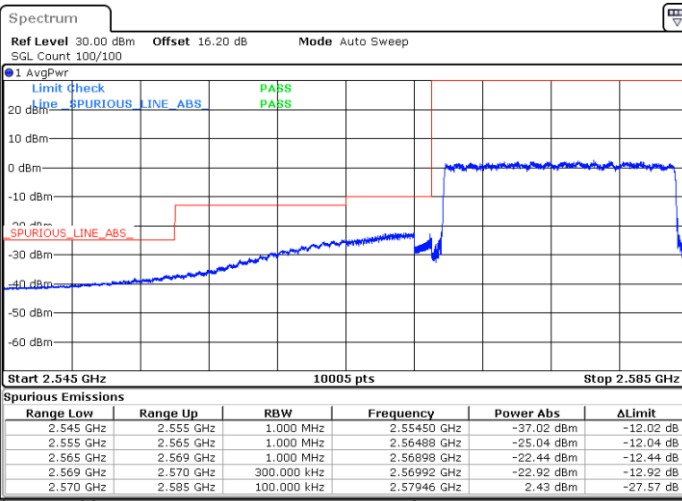
Highest Band Edge / Full RB



Date: 13.FEB.2023 11:29:43

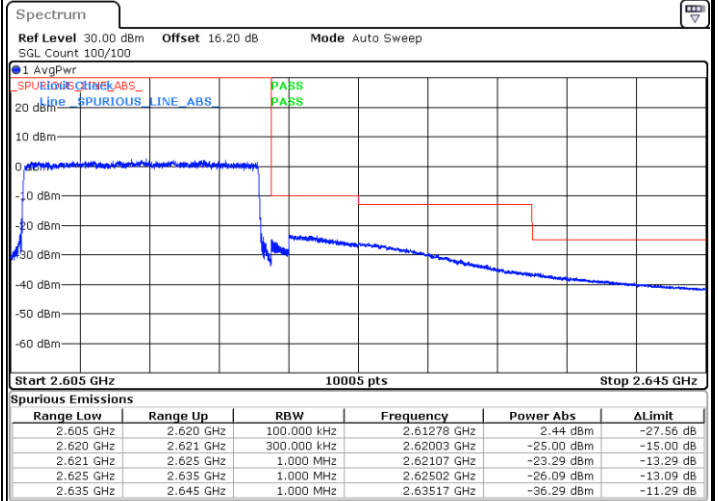
LTE Band 38 / 15MHz / 256QAM

Lowest Band Edge / Full RB



Date: 13.FEB.2023 11:48:22

Highest Band Edge / Full RB

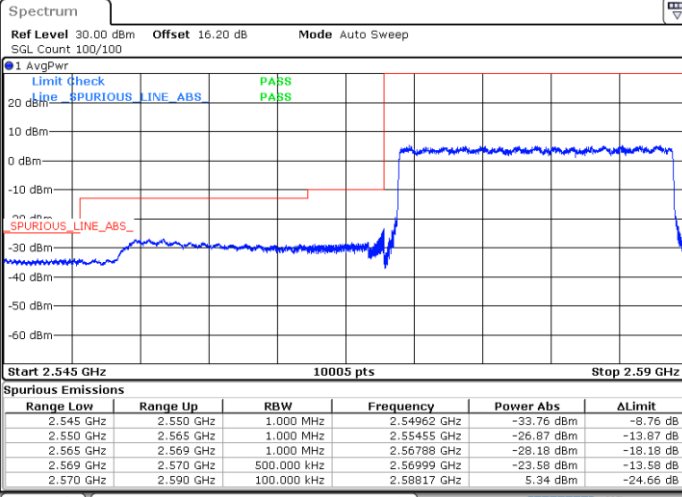


Date: 13.FEB.2023 11:49:25



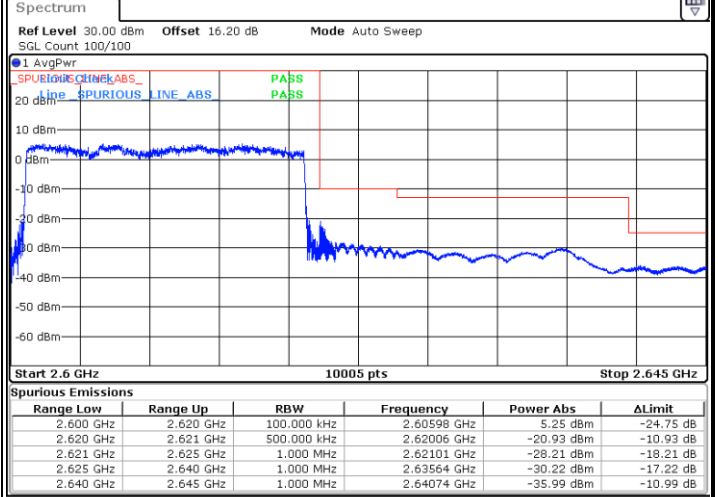
LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 13.FEB.2023 17:37:50

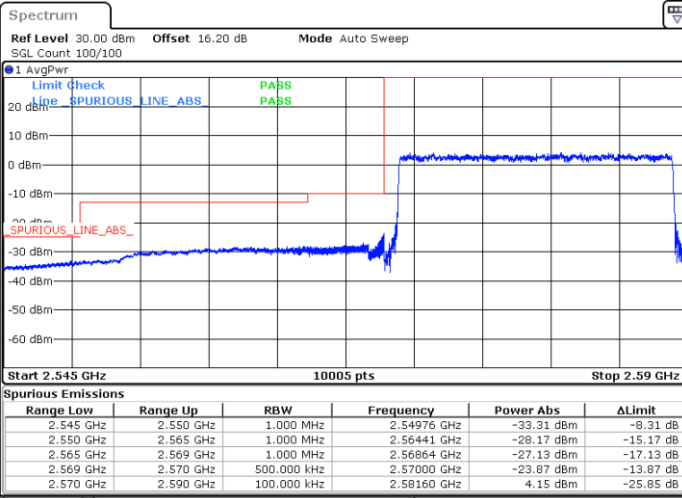
Highest Band Edge / Full RB



Date: 13.FEB.2023 11:34:28

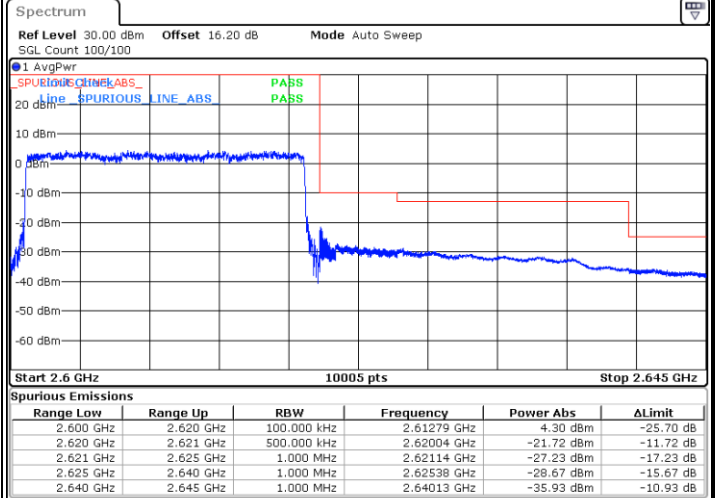
LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 13.FEB.2023 11:33:29

Highest Band Edge / Full RB

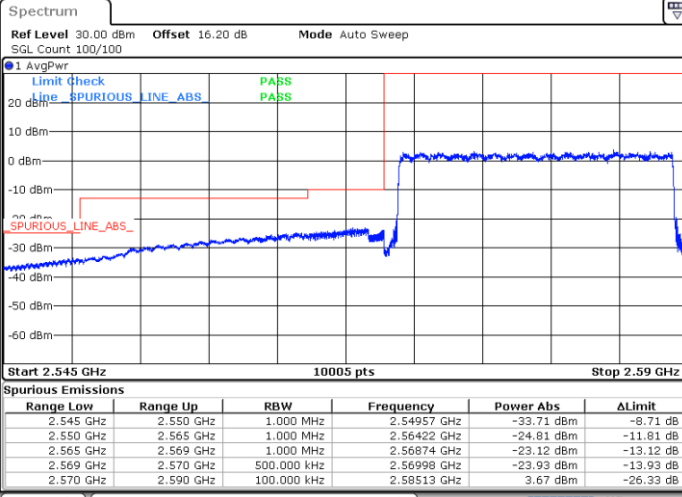


Date: 13.FEB.2023 11:35:26



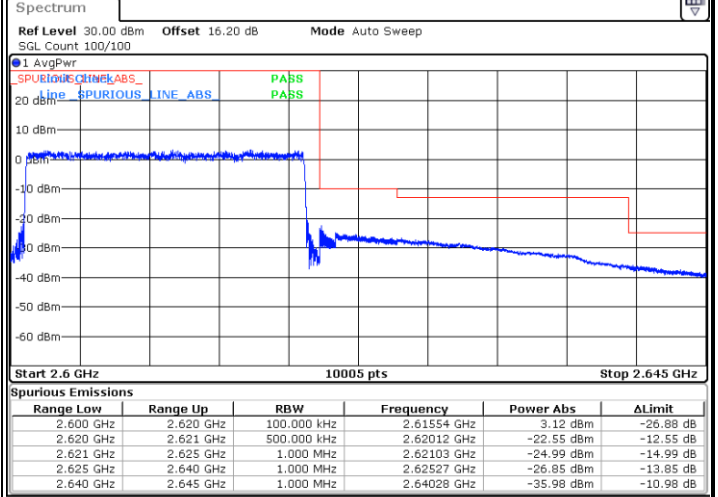
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 13.FEB.2023 11:36:24

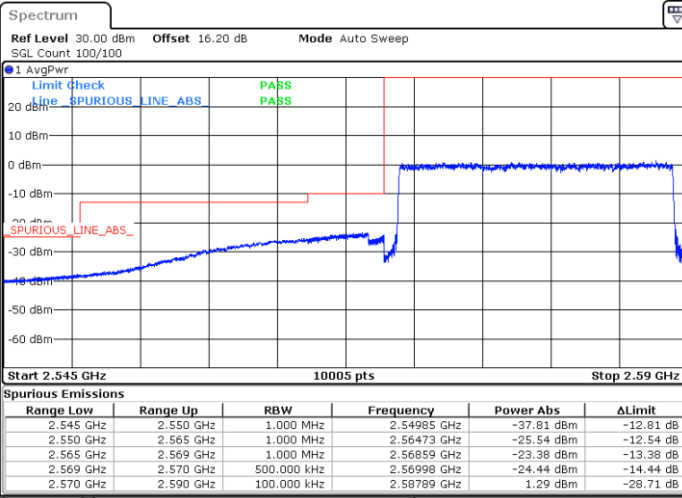
Highest Band Edge / Full RB



Date: 13.FEB.2023 11:37:23

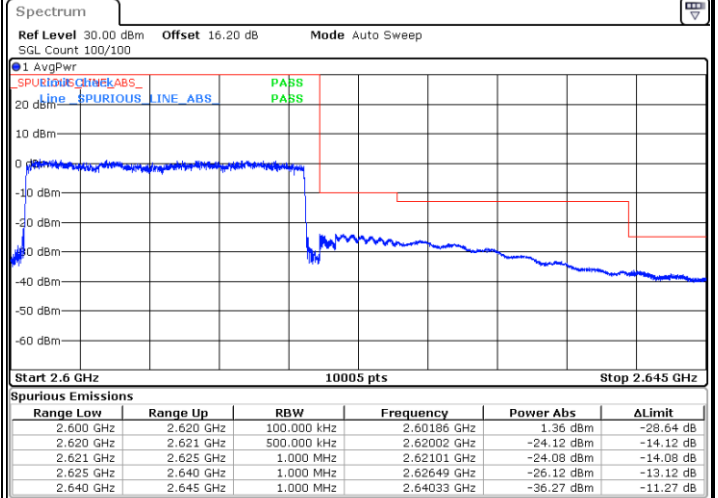
LTE Band 38 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Date: 13.FEB.2023 11:50:28

Highest Band Edge / Full RB



Date: 13.FEB.2023 11:51:27

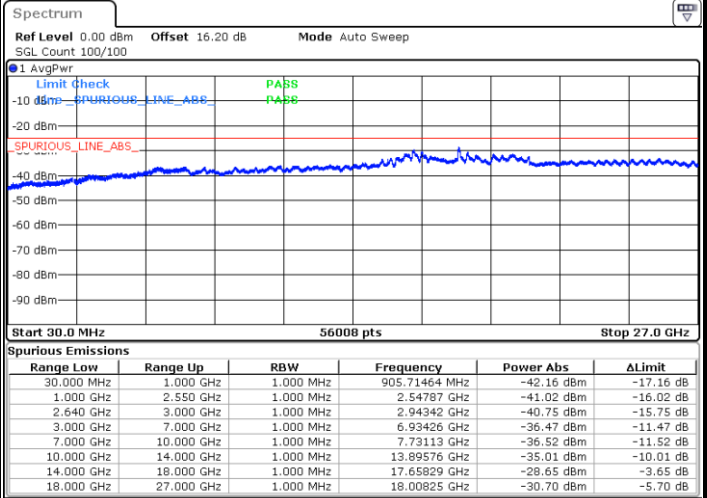
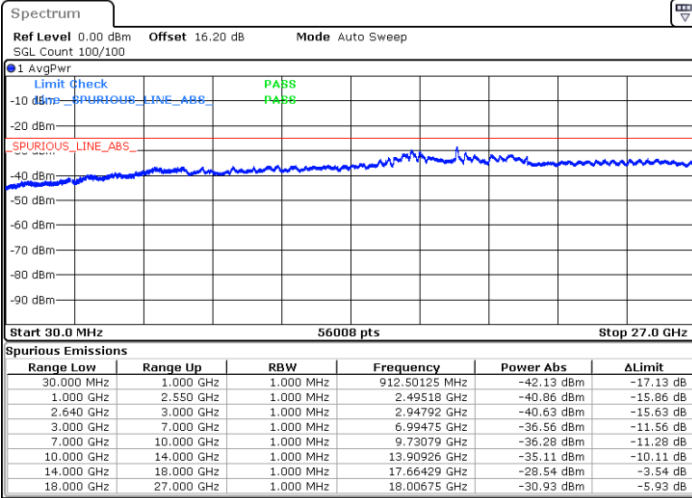


Conducted Spurious Emission

LTE Band 38 / 5MHz

Lowest Channel / QPSK

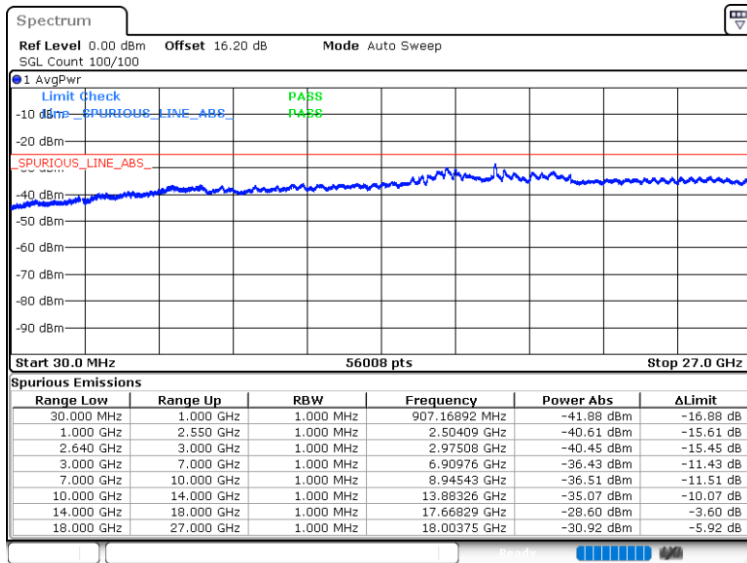
Middle Channel / QPSK



Date: 13.FEB.2023 11:38:47

Date: 13.FEB.2023 16:01:34

Highest Channel / QPSK



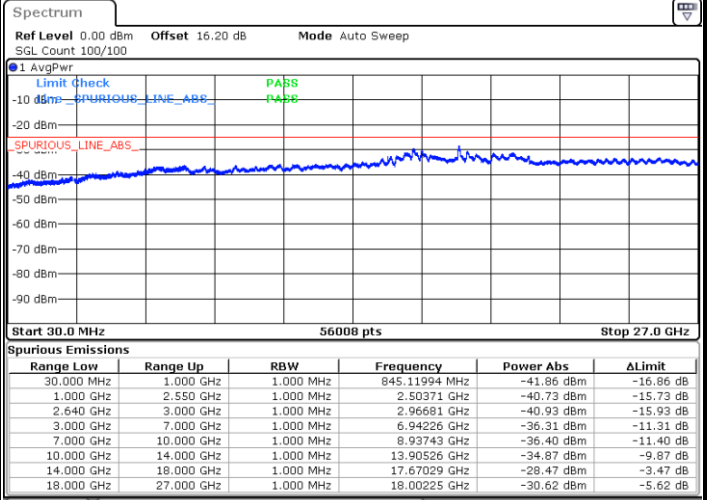
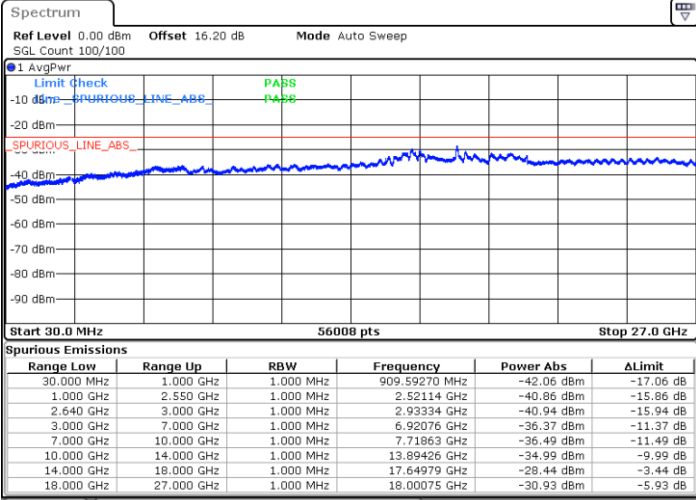
Date: 13.FEB.2023 11:41:23



LTE Band 38 / 10MHz

Lowest Channel / QPSK

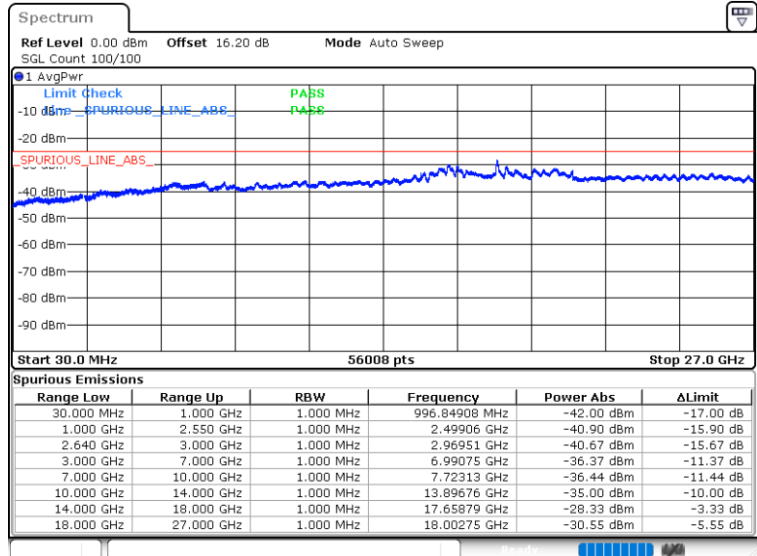
Middle Channel / QPSK



Date: 13.FEB.2023 12:08:57

Date: 13.FEB.2023 12:10:15

Highest Channel / QPSK



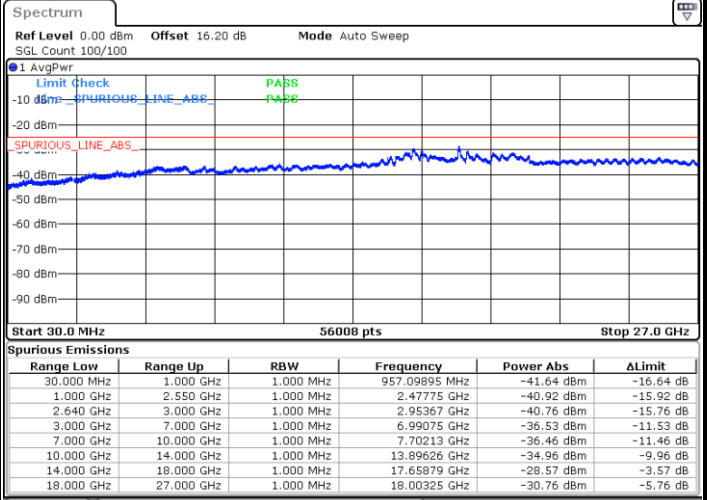
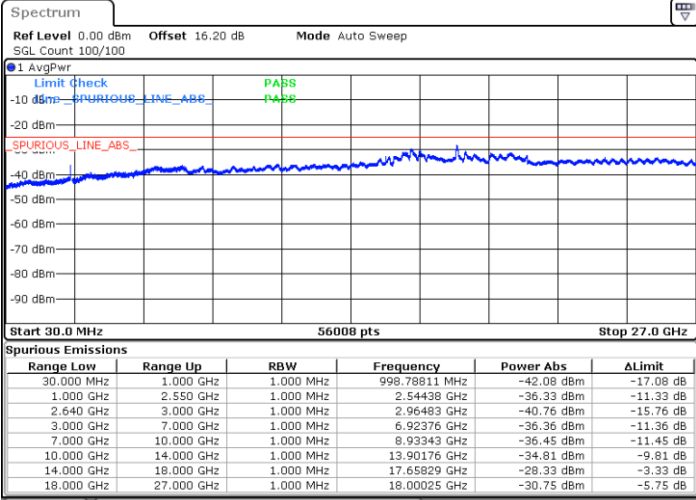
Date: 13.FEB.2023 12:11:34



LTE Band 38 / 15MHz

Lowest Channel / QPSK

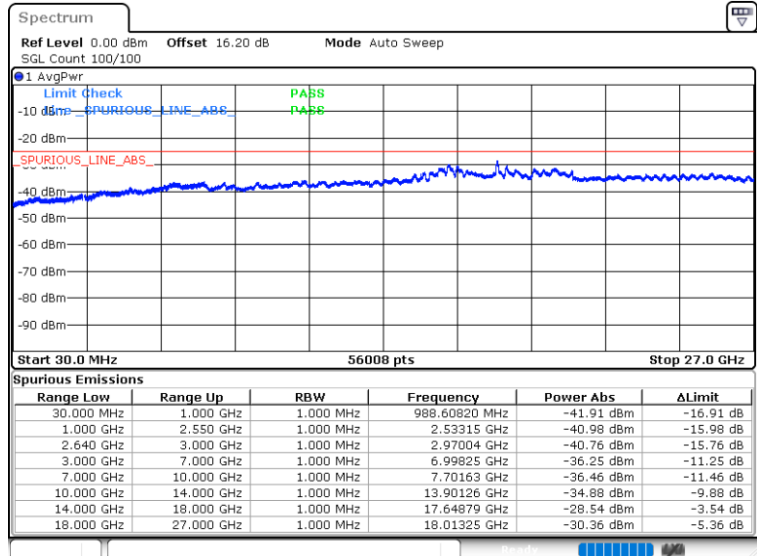
Middle Channel / QPSK



Date: 13.FEB.2023 12:12:57

Date: 13.FEB.2023 12:14:16

Highest Channel / QPSK



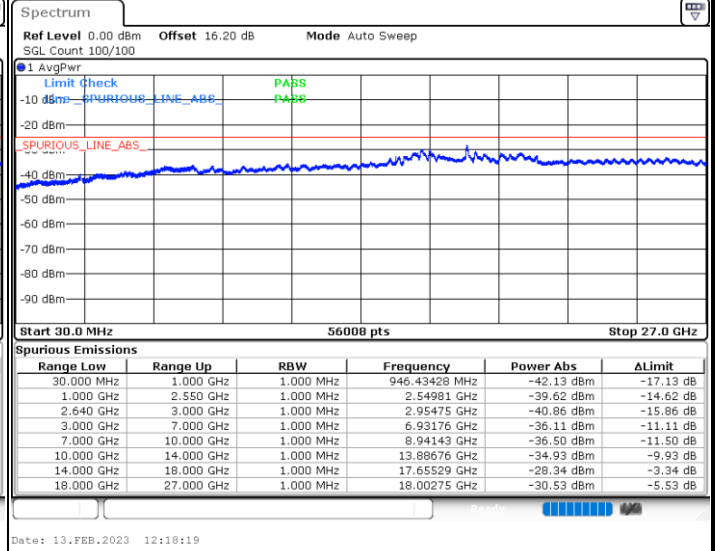
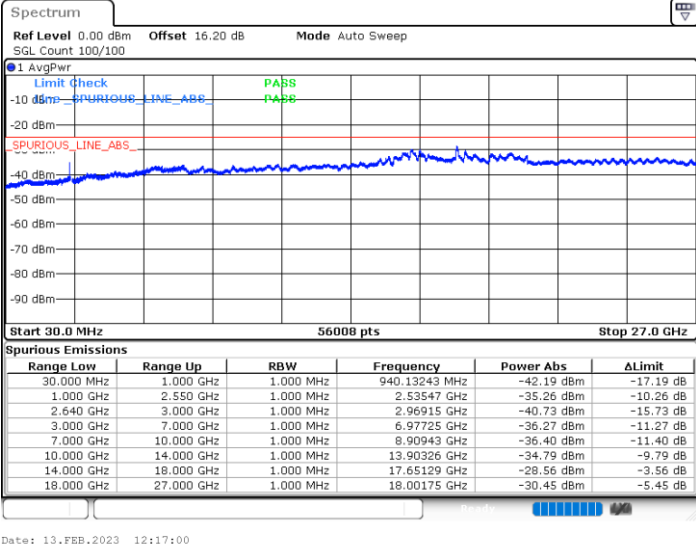
Date: 13.FEB.2023 12:15:35



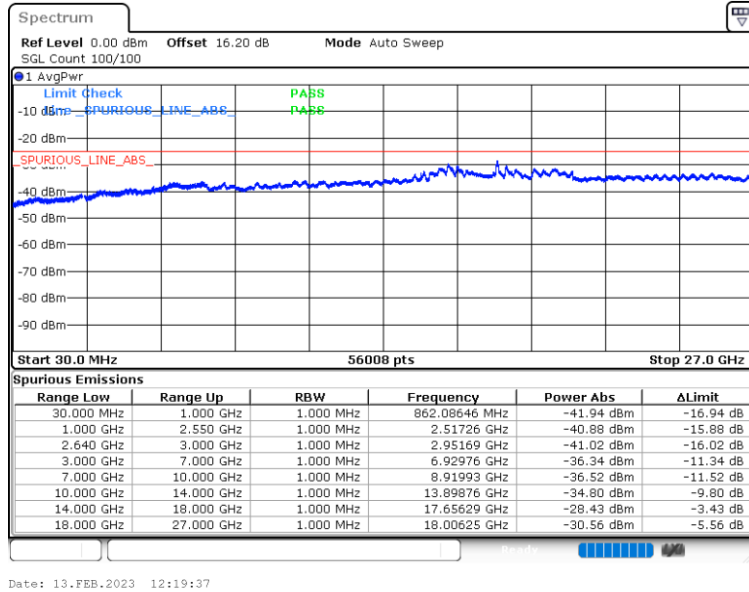
LTE Band 38 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





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	0.0003	PASS
40	Normal Voltage	0.0044	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0054	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0042	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0022	

Note:

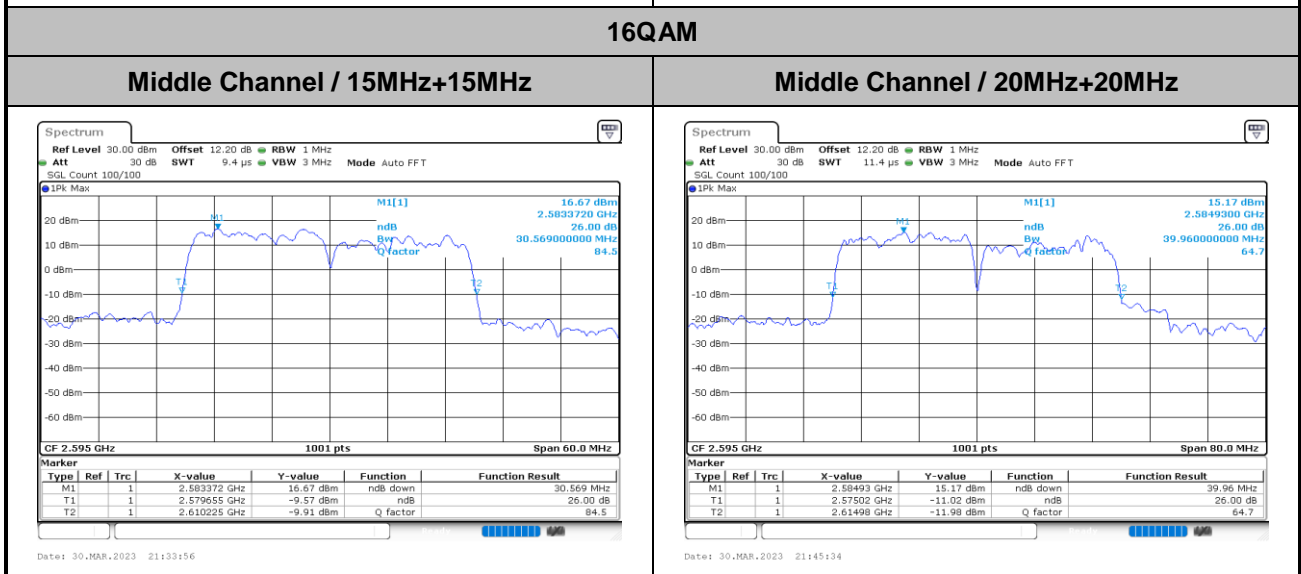
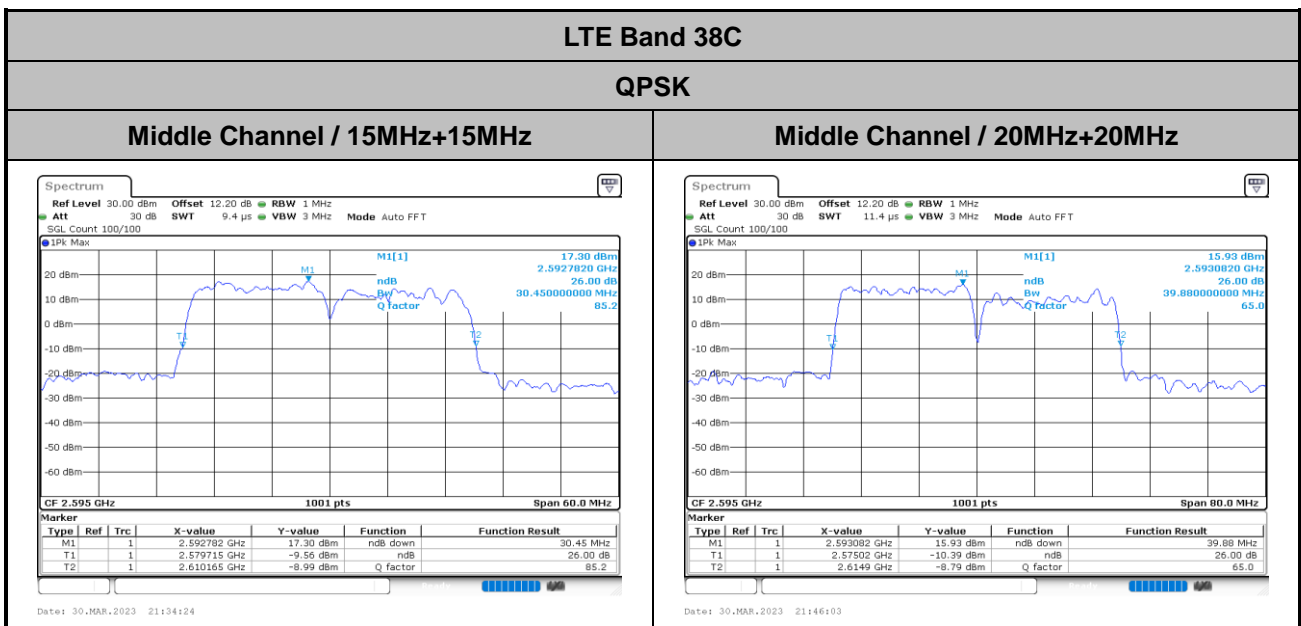
1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



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	30.45	30.57	30.87	30.63
BW	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz
Middle CH	39.88	39.96	39.96	39.96

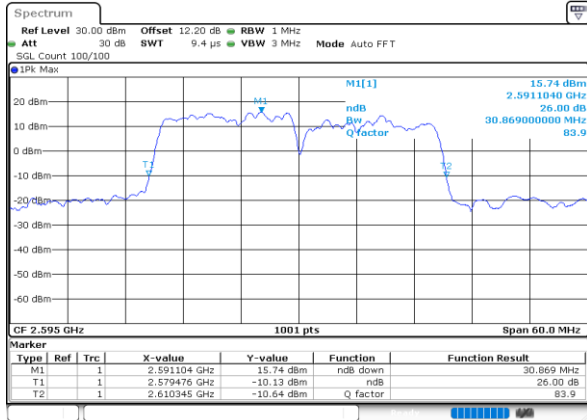




LTE Band 38C

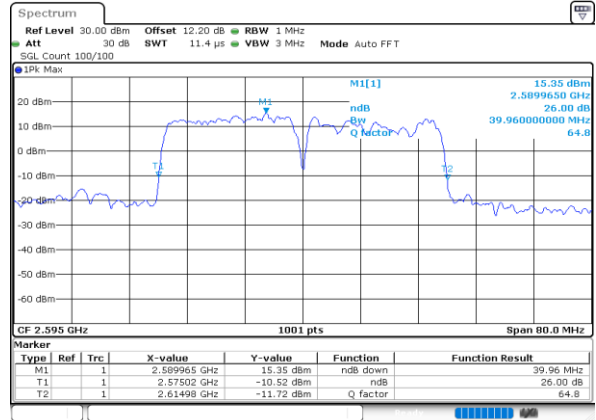
64QAM

Middle Channel / 15MHz+15MHz



Date: 30_MAR_2023 21:33:27

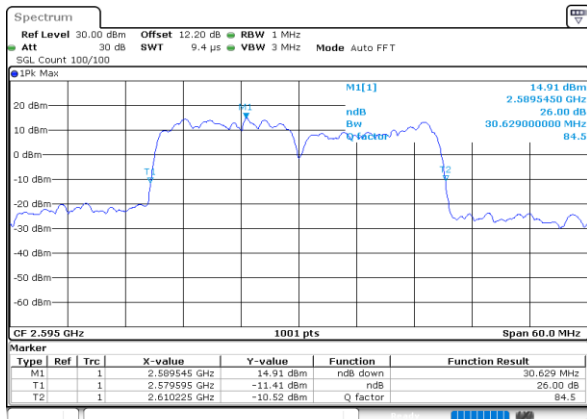
Middle Channel / 20MHz+20MHz



Date: 30_MAR_2023 21:45:04

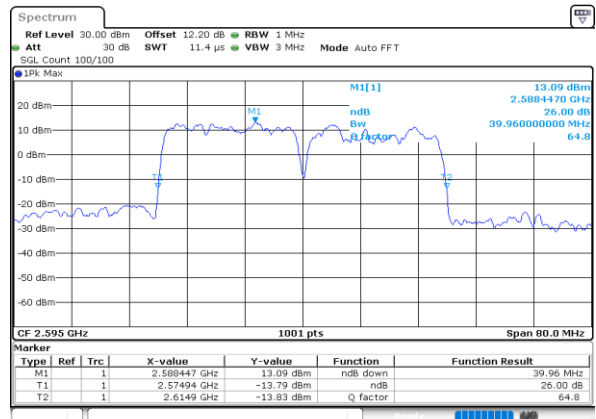
256QAM

Middle Channel / 15MHz+15MHz



Date: 30_MAR_2023 21:32:50

Middle Channel / 20MHz+20MHz



Date: 30_MAR_2023 21:44:35



Occupied Bandwidth

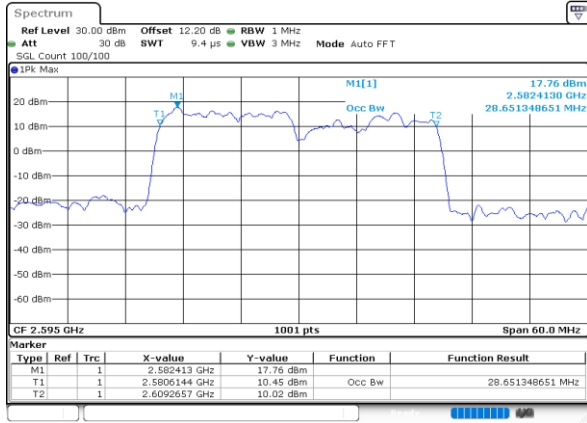
Mode	LTE Band 38C : 99%OBW(MHz)			
	QPSK	16QAM	64QAM	256QAM
BW	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz
Middle CH	28.65	28.59	28.65	28.53
BW	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz
Middle CH	37.88	37.72	37.88	37.96



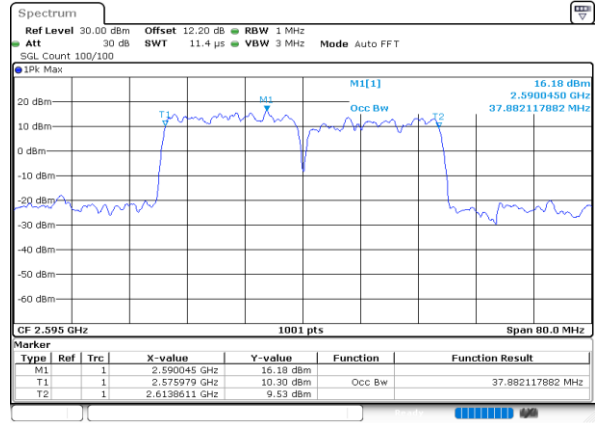
LTE Band 38C

QPSK

Middle Channel / 15MHz+15MHz

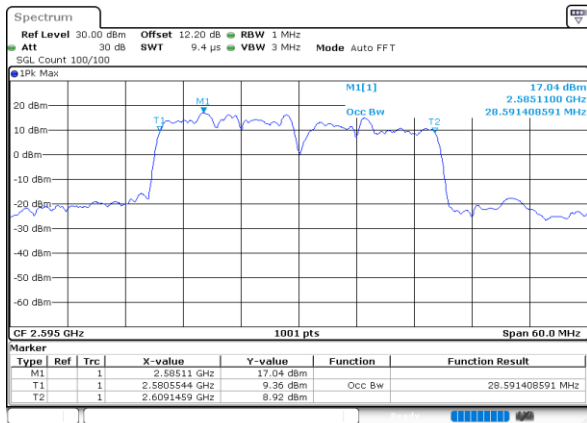


Middle Channel / 20MHz+20MHz

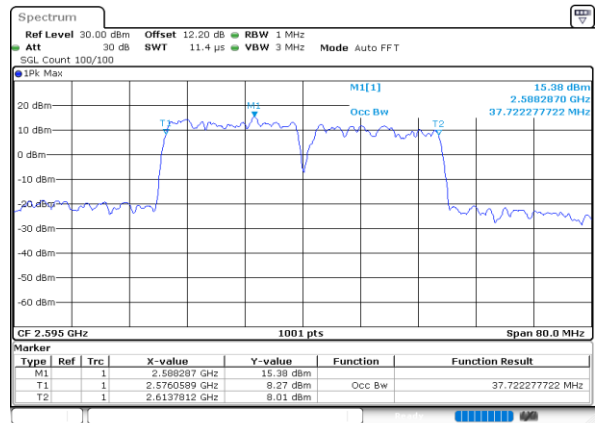


16QAM

Middle Channel / 15MHz+15MHz



Middle Channel / 20MHz+20MHz

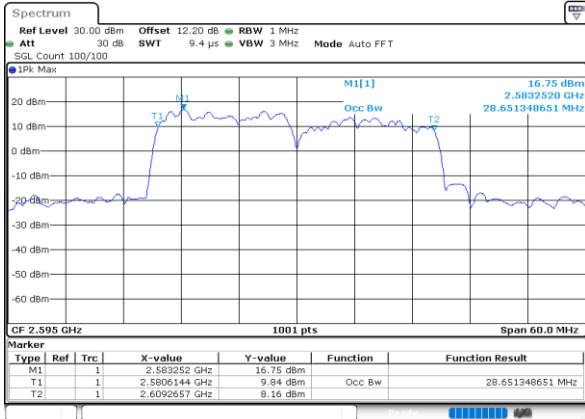




LTE Band 38C

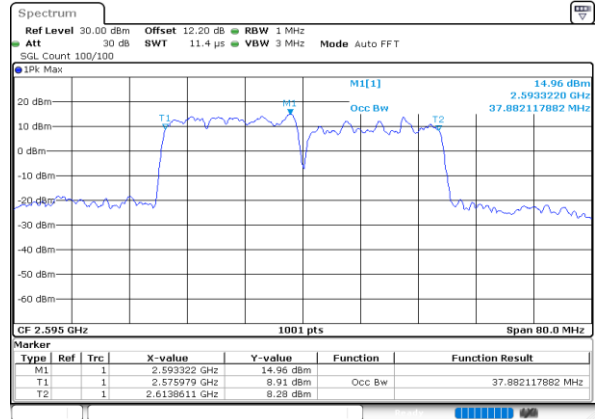
64QAM

Middle Channel / 15MHz+15MHz



Date: 30.MAR.2023 21:32:01

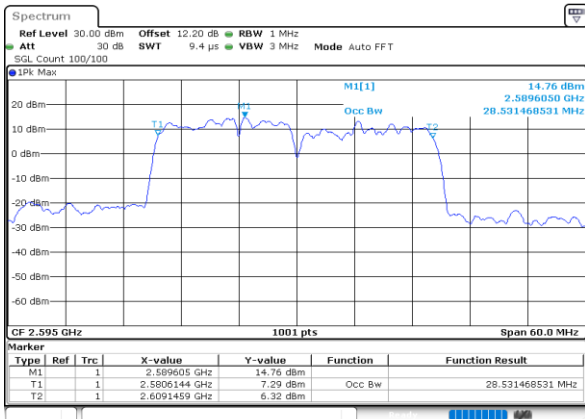
Middle Channel / 20MHz+20MHz



Date: 30.MAR.2023 21:43:39

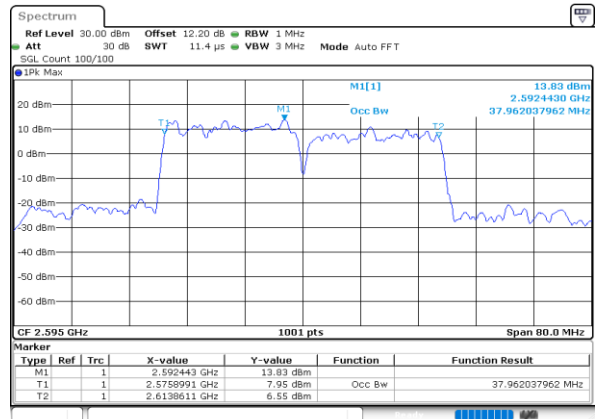
256QAM

Middle Channel / 15MHz+15MHz



Date: 30.MAR.2023 21:32:30

Middle Channel / 20MHz+20MHz



Date: 30.MAR.2023 21:44:08

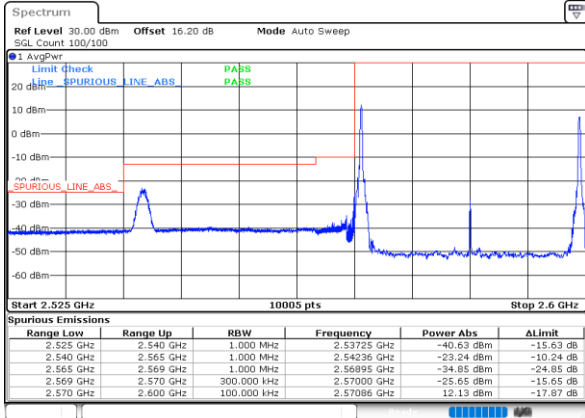


Conducted Band Edge

LTE Band 38C / 15MHz+15MHz

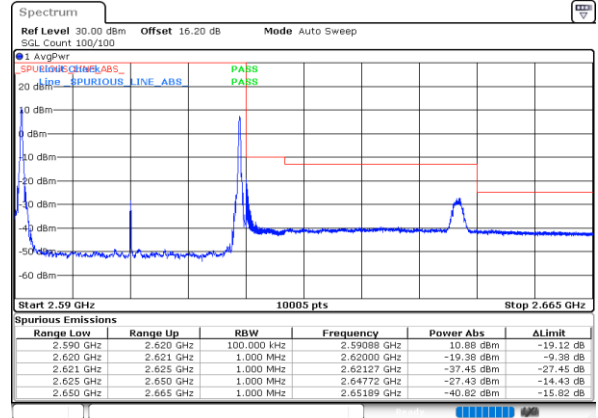
QPSK

Lowest Band Edge / 1RB0 and 1RB74



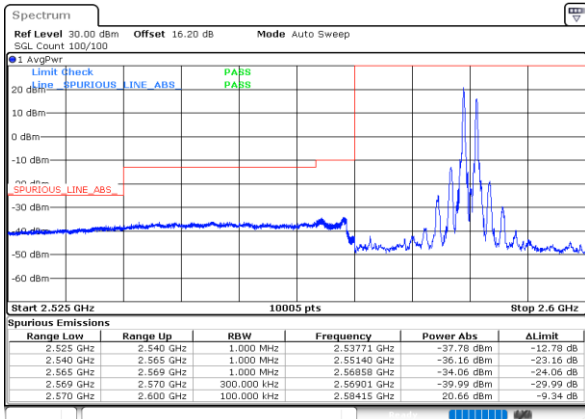
Date: 30_MAR_2023 20:45:37

Highest Band Edge / 1RB0 and 1RB74



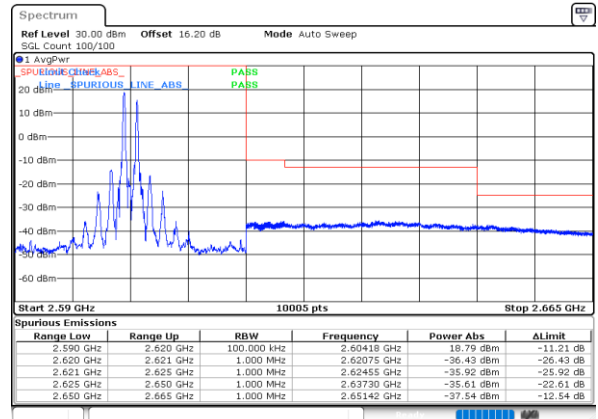
Date: 30_MAR_2023 20:28:36

Lowest Band Edge / 1RB74 and 1RB0



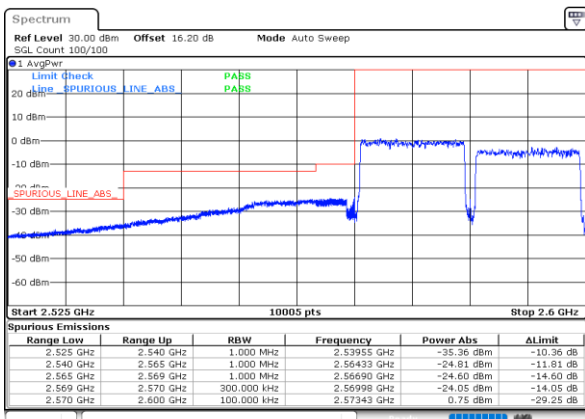
Date: 30_MAR_2023 20:49:34

Highest Band Edge / 1RB74 and 1RB0



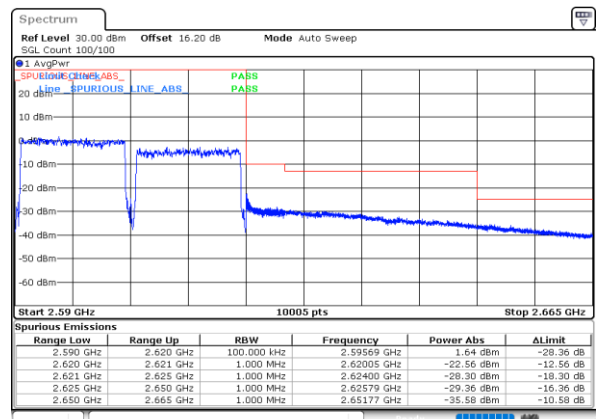
Date: 30_MAR_2023 20:32:32

Lowest Band Edge / Full RB



Date: 30_MAR_2023 20:41:40

Highest Band Edge / Full RB



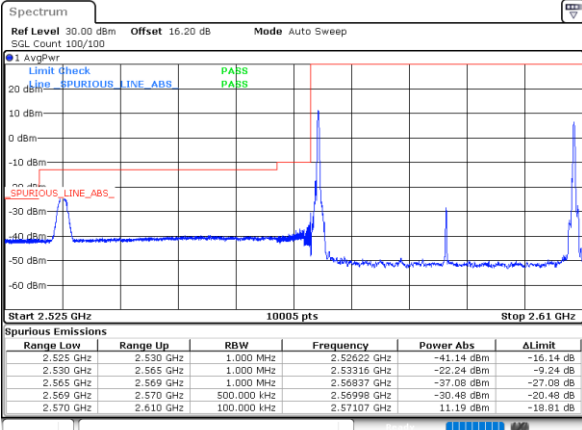
Date: 30_MAR_2023 20:24:41



LTE Band 38C / 20MHz+20MHz

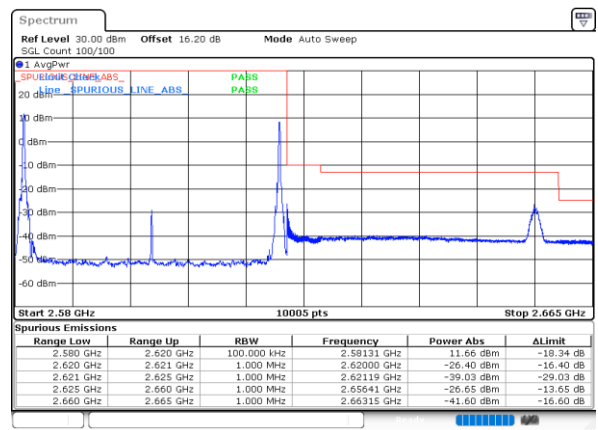
QPSK

Lowest Band Edge / 1RB0 and 1RB9



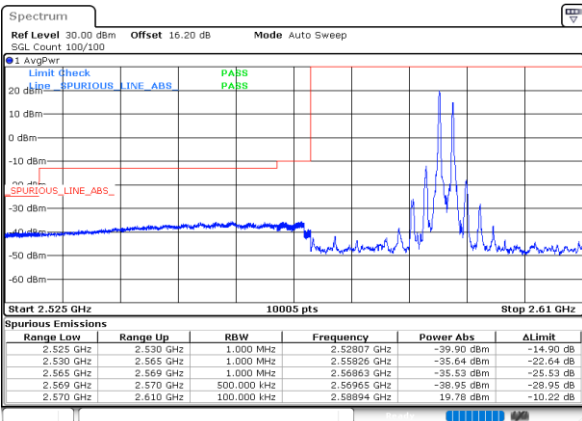
Date: 30_MAR_2023 21:17:09

Highest Band Edge / 1RB0 and 1RB9



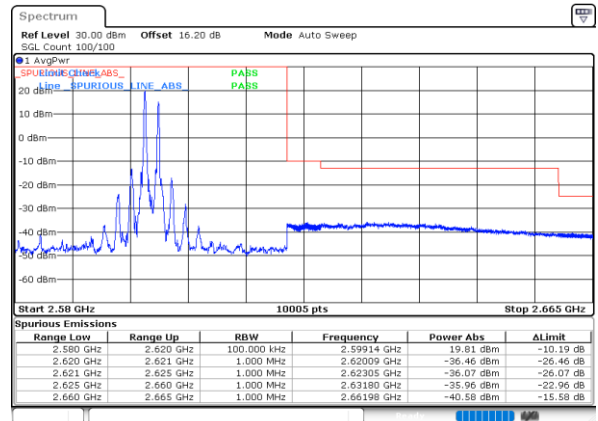
Date: 30_MAR_2023 21:00:05

Lowest Band Edge / 1RB99 and 1RB0



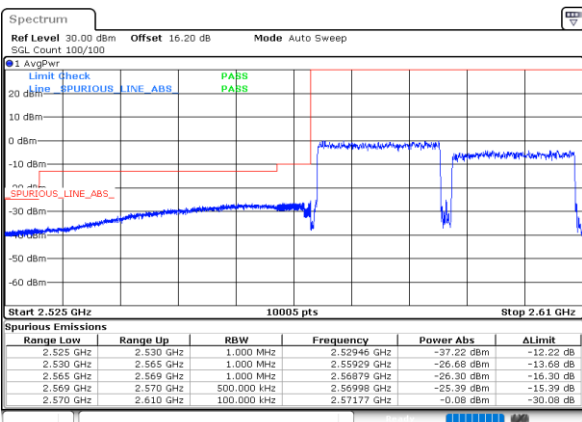
Date: 30_MAR_2023 21:21:05

Highest Band Edge / 1RB99 and 1RB0



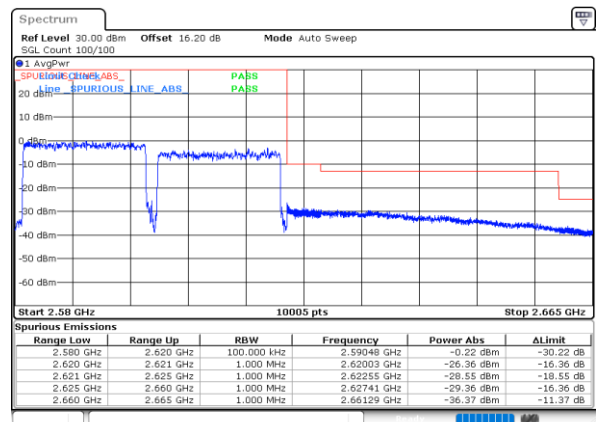
Date: 30_MAR_2023 21:04:01

Lowest Band Edge / Full RB



Date: 30_MAR_2023 21:13:13

Highest Band Edge / Full RB



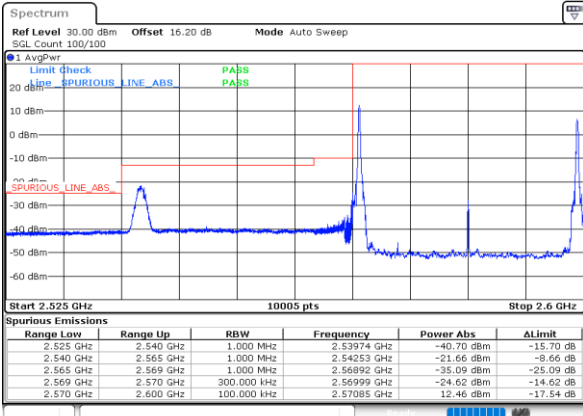
Date: 30_MAR_2023 20:56:09



LTE Band 38C / 15MHz+15MHz

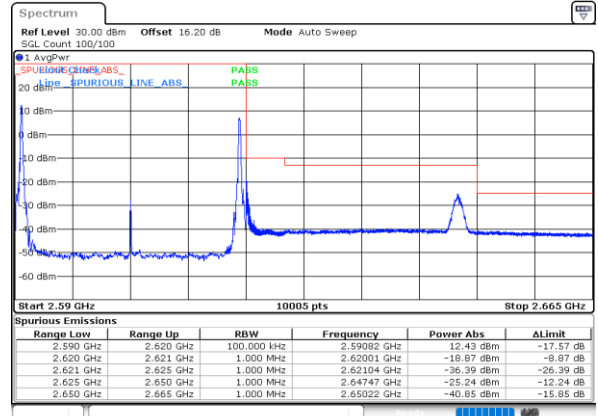
16QAM

Lowest Band Edge / 1RB0 and 1RB74



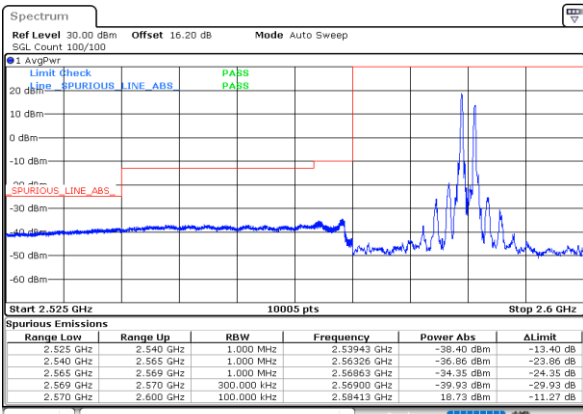
Date: 30_MAR_2023 20:46:35

Highest Band Edge / 1RB0 and 1RB74



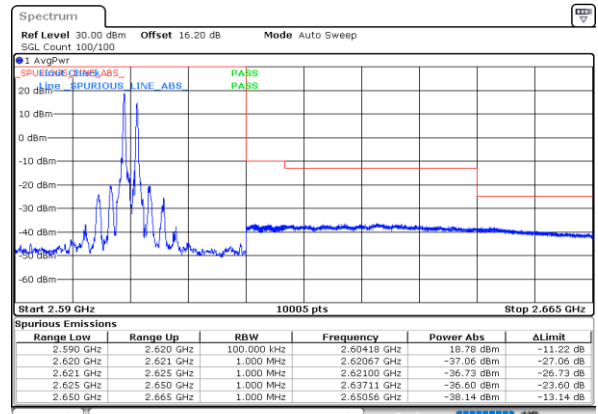
Date: 30_MAR_2023 20:29:35

Lowest Band Edge / 1RB74 and 1RB0



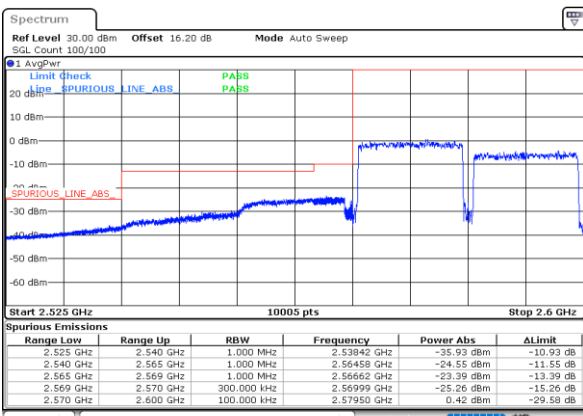
Date: 30_MAR_2023 20:50:32

Highest Band Edge / 1RB74 and 1RB0



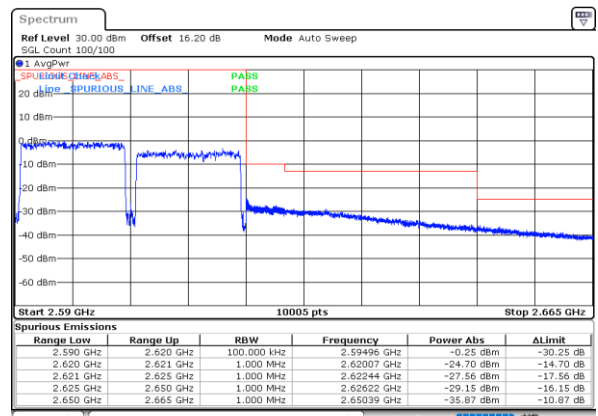
Date: 30_MAR_2023 20:33:30

Lowest Band Edge / Full RB



Date: 30_MAR_2023 20:42:19

Highest Band Edge / Full RB



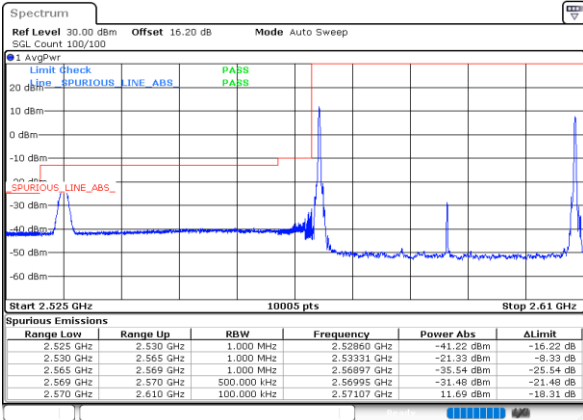
Date: 30_MAR_2023 20:25:19



LTE Band 38C / 20MHz+20MHz

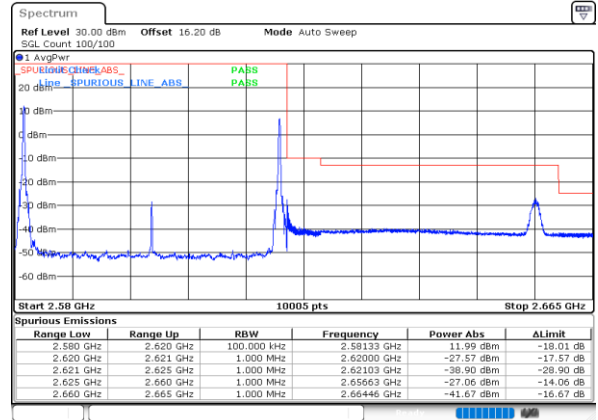
16QAM

Lowest Band Edge / 1RB0 and 1RB9



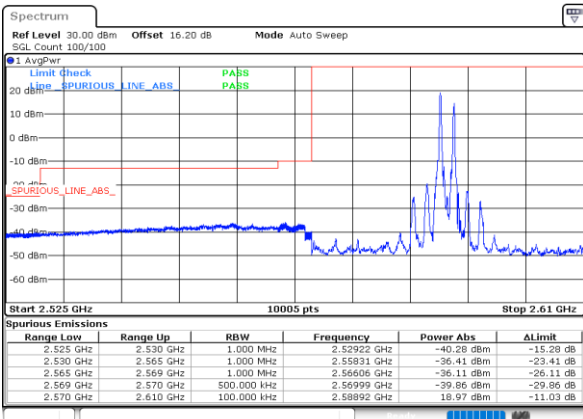
Date: 30_MAR_2023 21:18:09

Highest Band Edge / 1RB0 and 1RB9



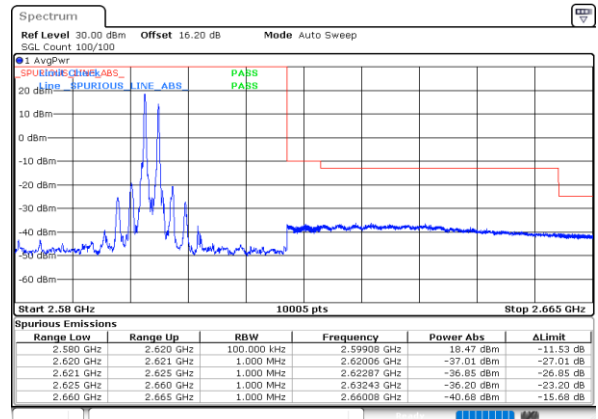
Date: 30_MAR_2023 21:01:04

Lowest Band Edge / 1RB99 and 1RB0



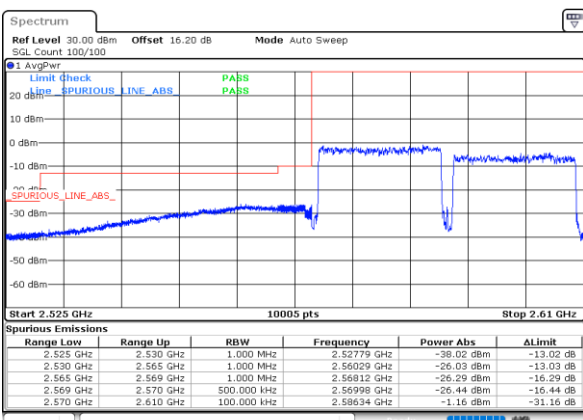
Date: 30_MAR_2023 21:22:05

Highest Band Edge / 1RB99 and 1RB0



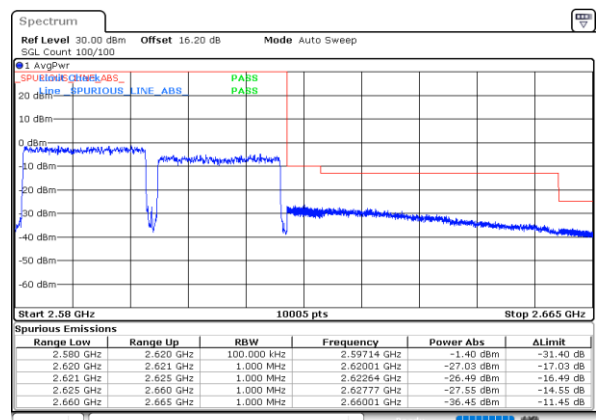
Date: 30_MAR_2023 21:04:59

Lowest Band Edge / Full RB



Date: 30_MAR_2023 21:14:11

Highest Band Edge / Full RB



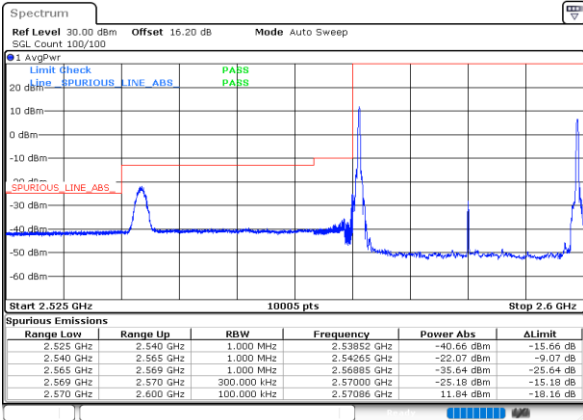
Date: 30_MAR_2023 20:57:07



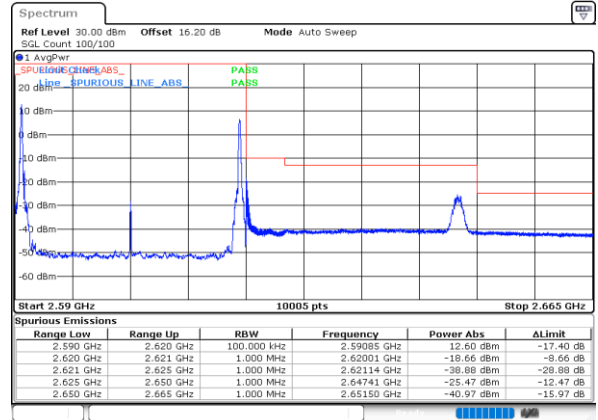
LTE Band 38C / 15MHz+15MHz

64QAM

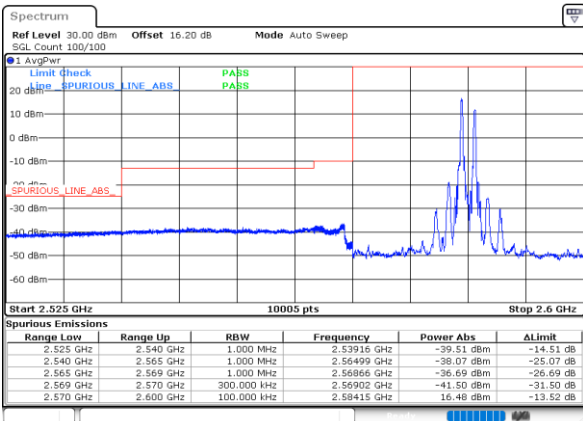
Lowest Band Edge / 1RB0 and 1RB74



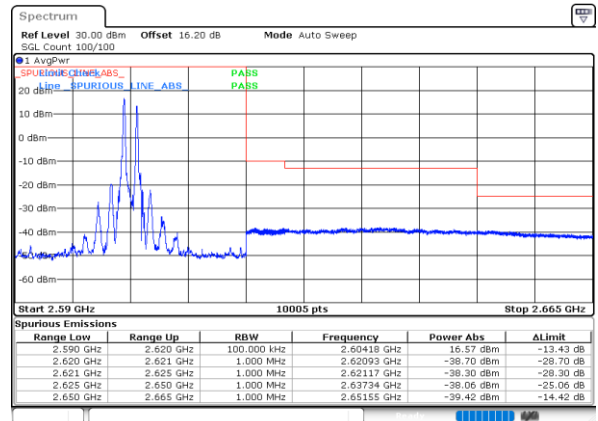
Highest Band Edge / 1RB0 and 1RB74



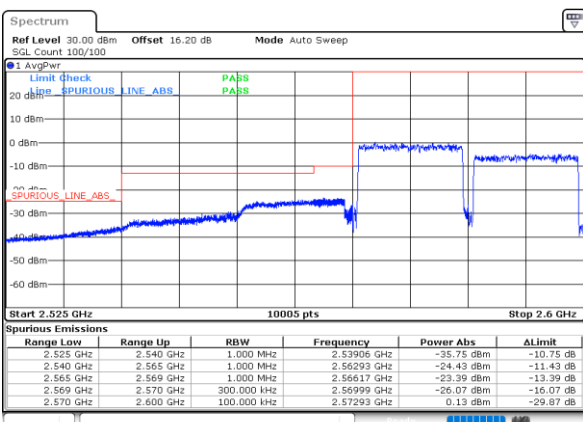
Lowest Band Edge / 1RB74 and 1RB0



Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

