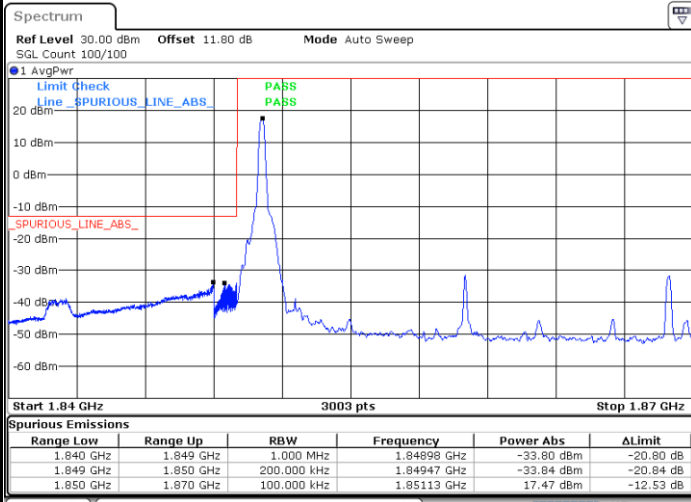




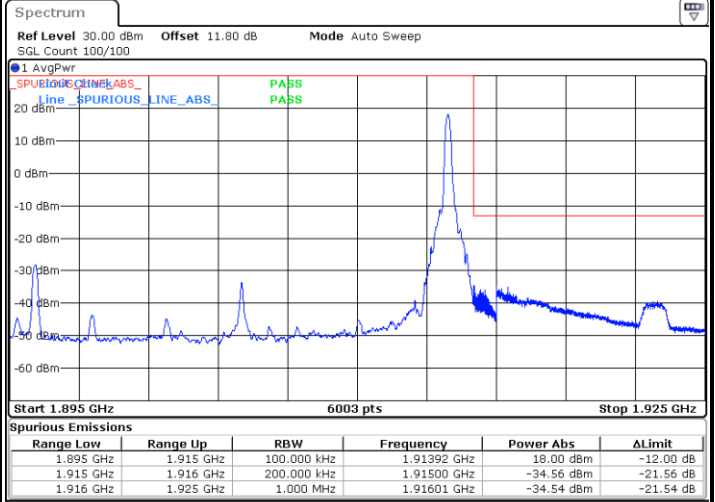
LTE Band 25 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



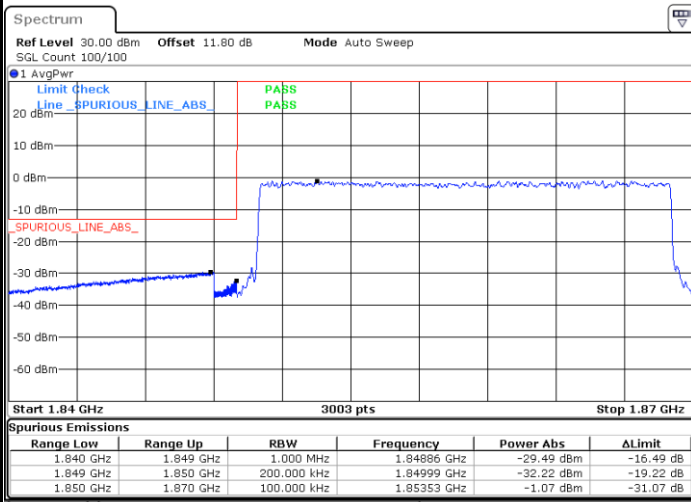
Date: 24.SEP.2022 09:00:33

Highest Band Edge / 1 RB



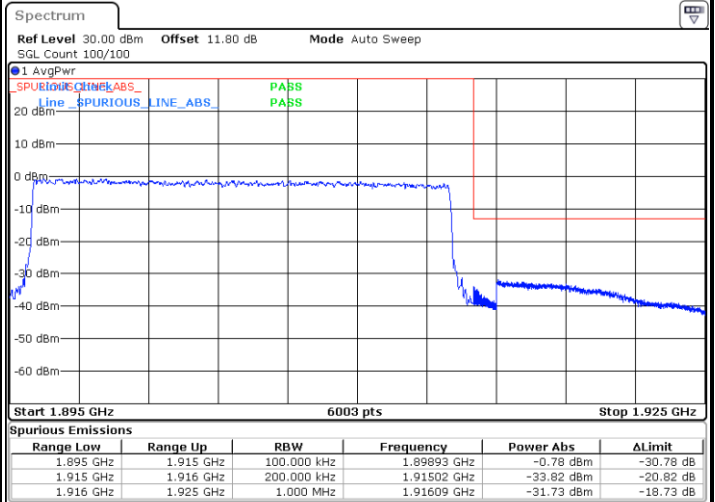
Date: 24.SEP.2022 09:04:06

Lowest Band Edge / Full RB



Date: 24.SEP.2022 09:01:30

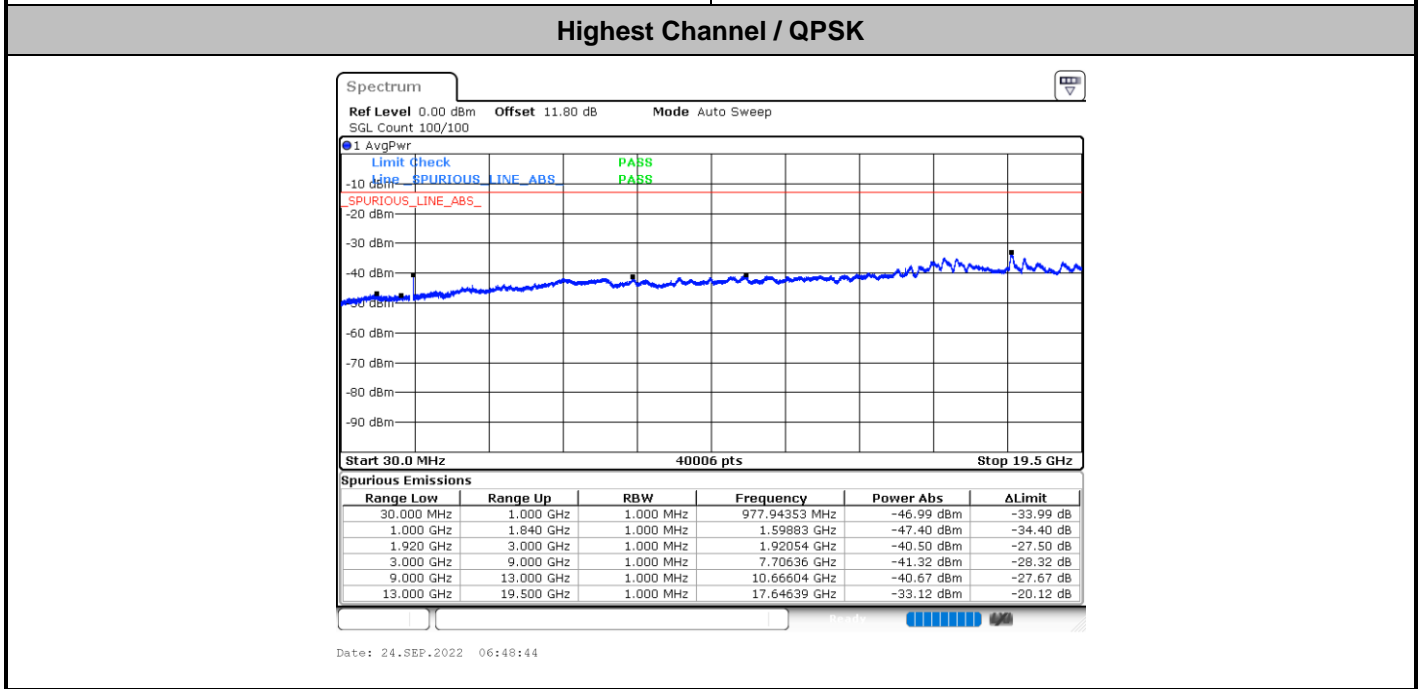
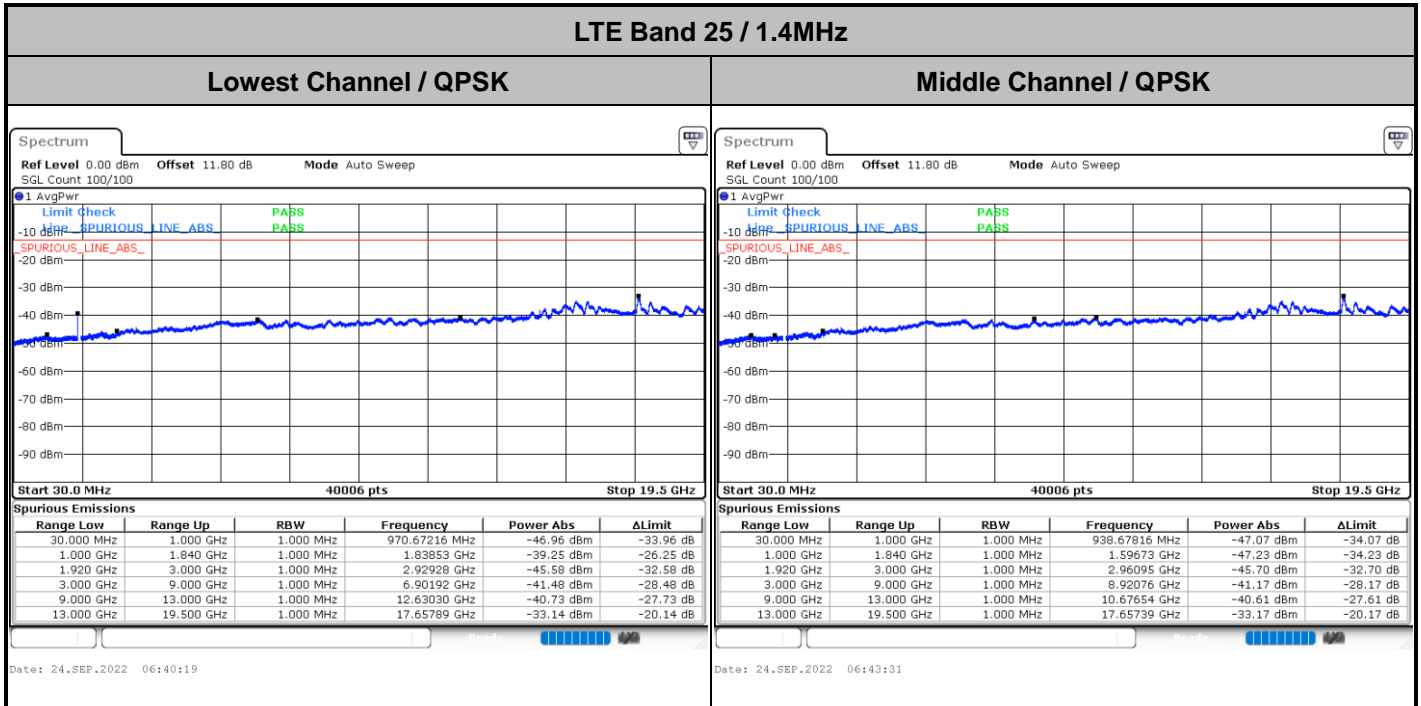
Highest Band Edge / Full RB



Date: 24.SEP.2022 09:03:10



Conducted Spurious Emission

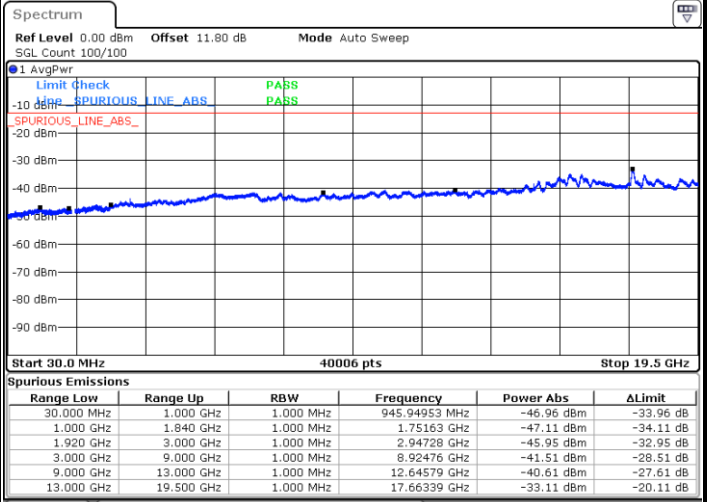
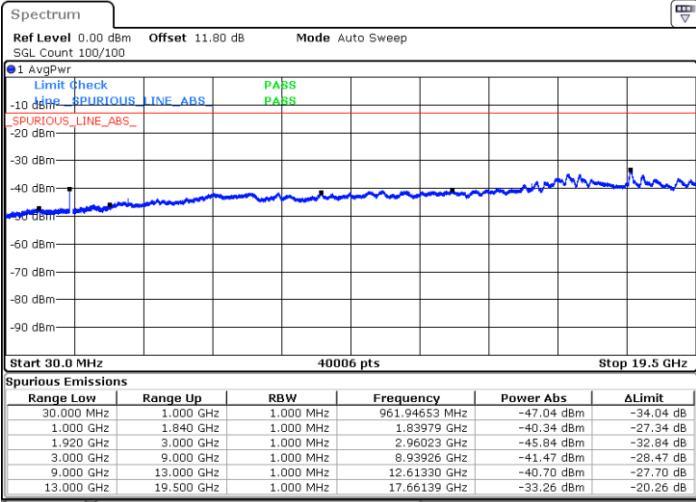




LTE Band 25 / 3MHz

Lowest Channel / QPSK

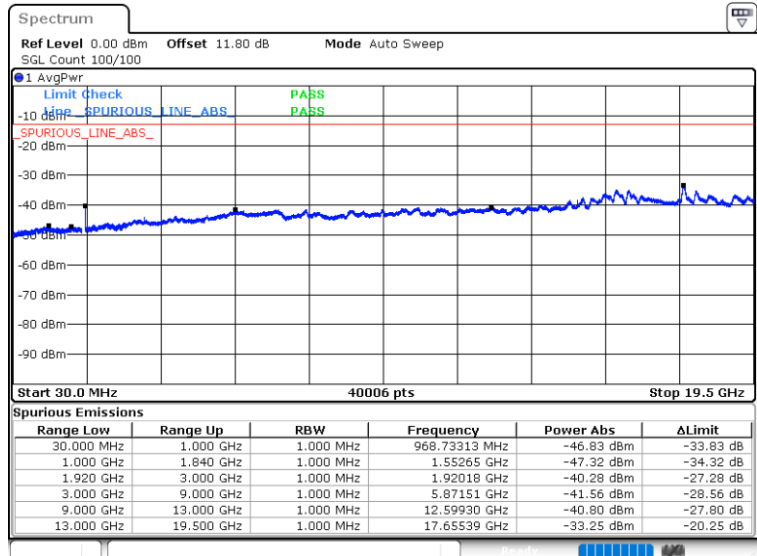
Middle Channel / QPSK



Date: 24.SEP.2022 07:03:38

Date: 24.SEP.2022 07:06:51

Highest Channel / QPSK



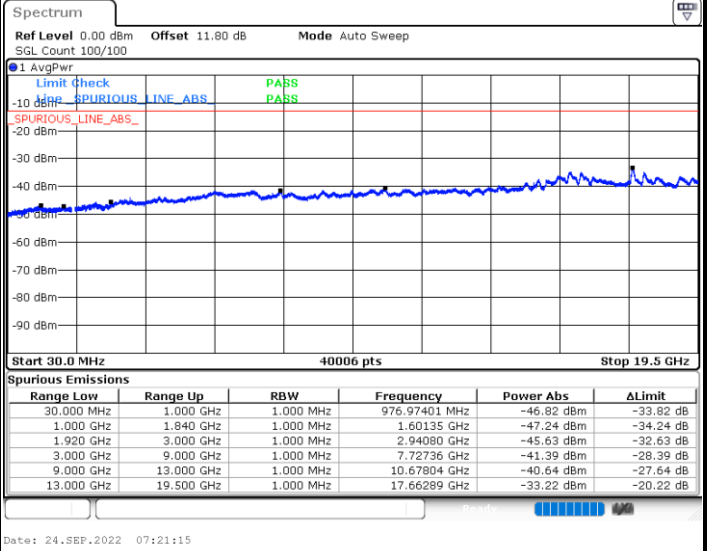
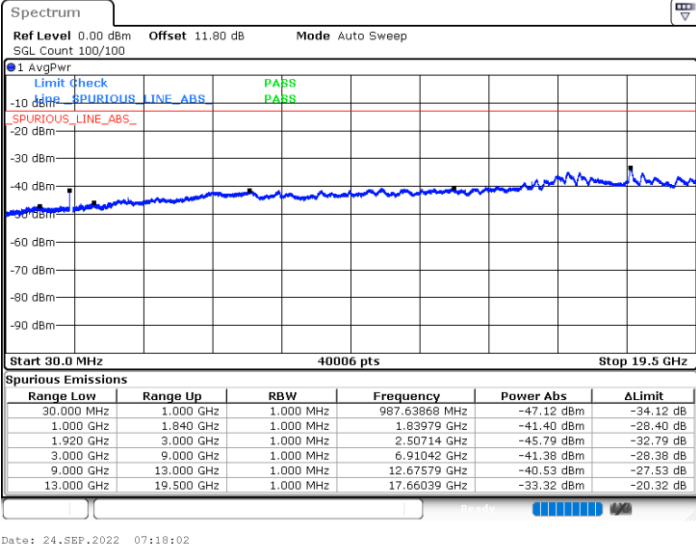
Date: 24.SEP.2022 07:12:03



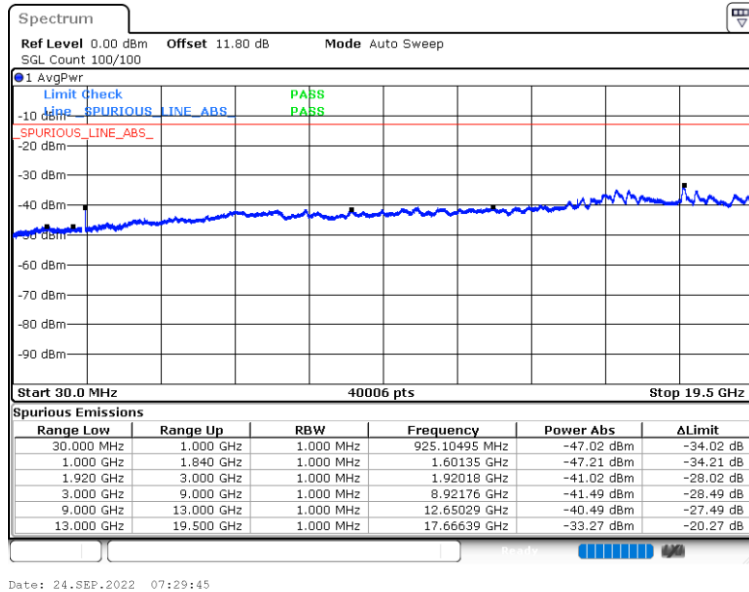
LTE Band 25 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

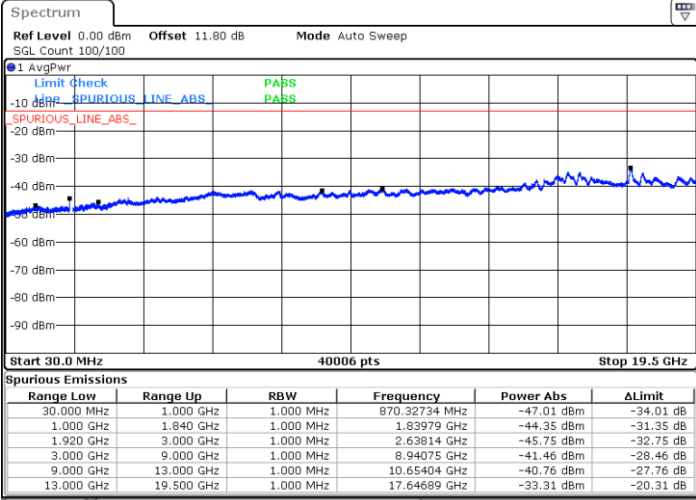




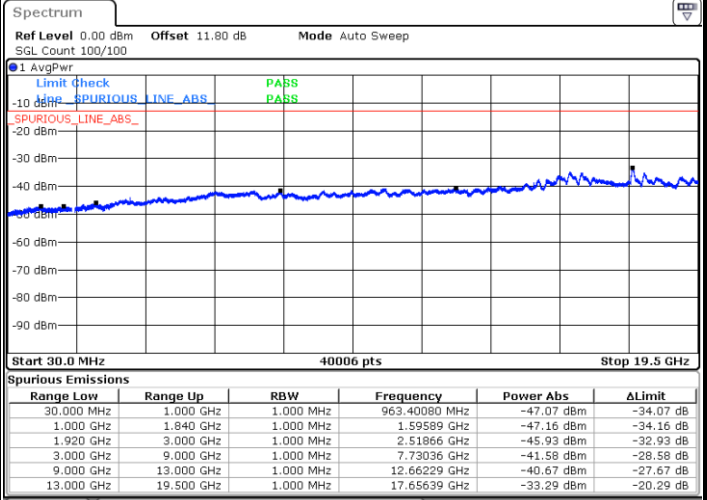
LTE Band 25 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

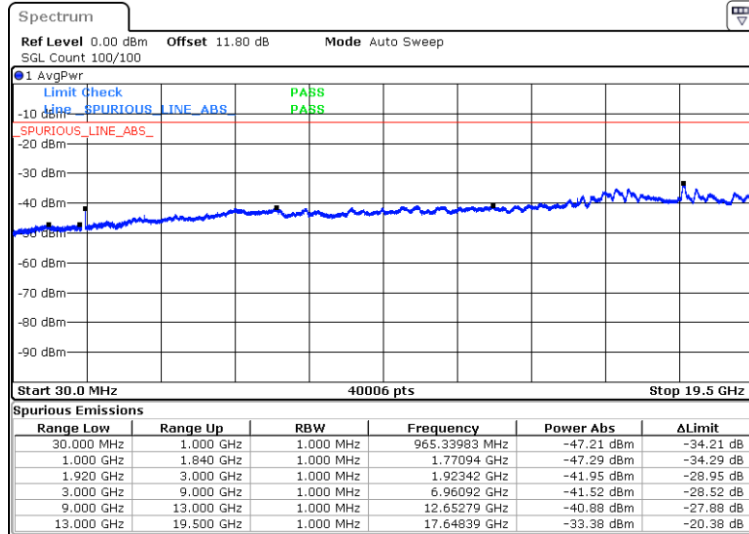


Date: 24.SEP.2022 07:40:10



Date: 24.SEP.2022 07:43:23

Highest Channel / QPSK



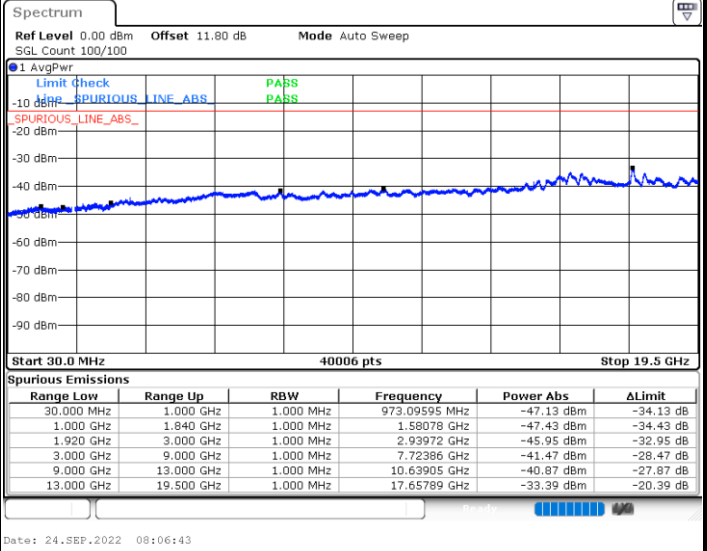
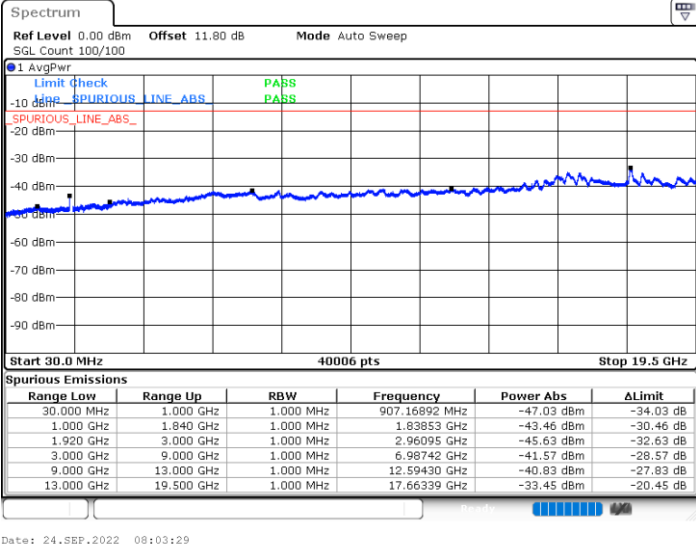
Date: 24.SEP.2022 07:48:36



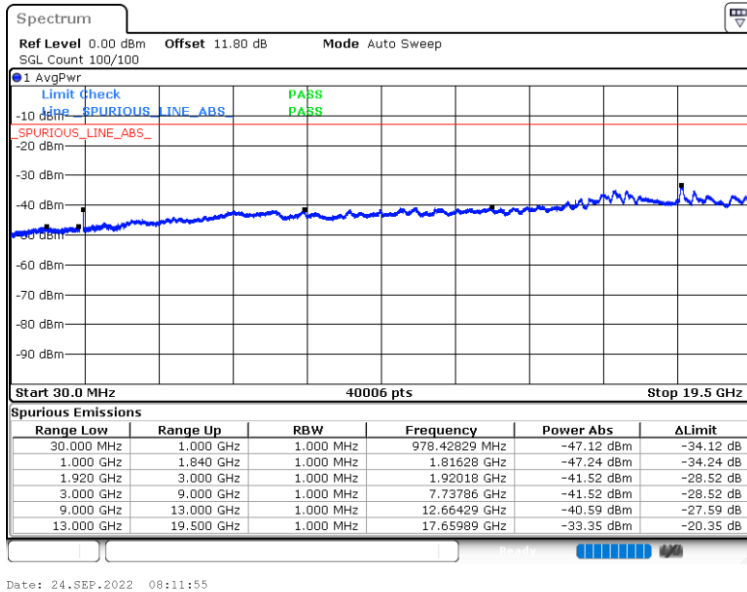
LTE Band 25 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

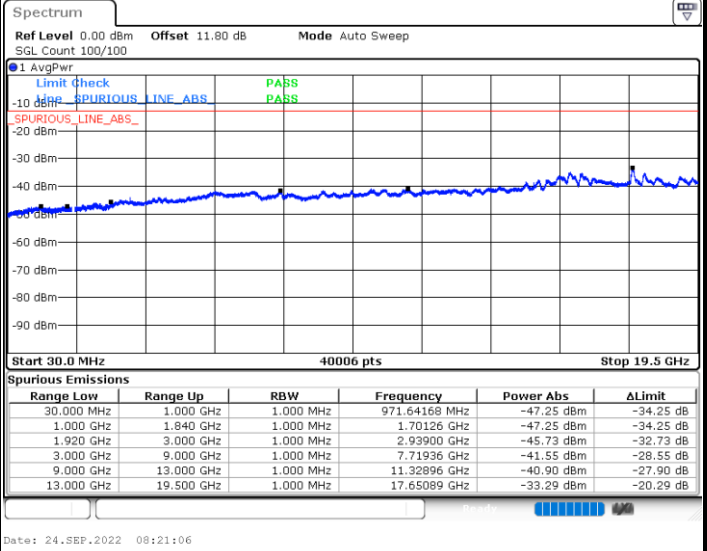
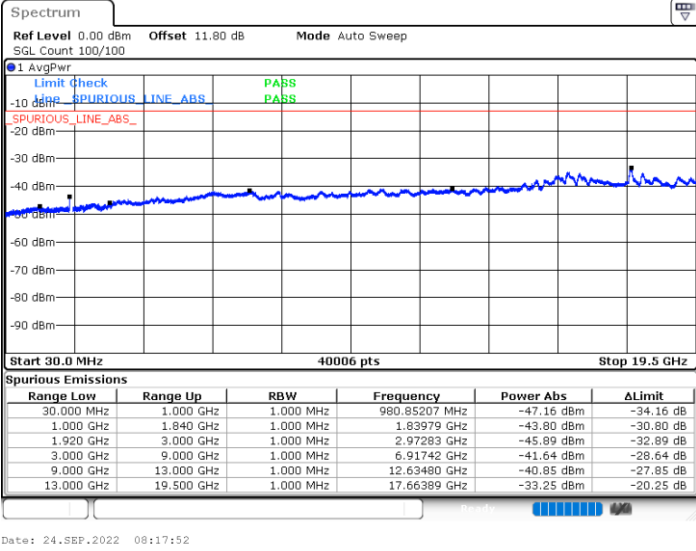




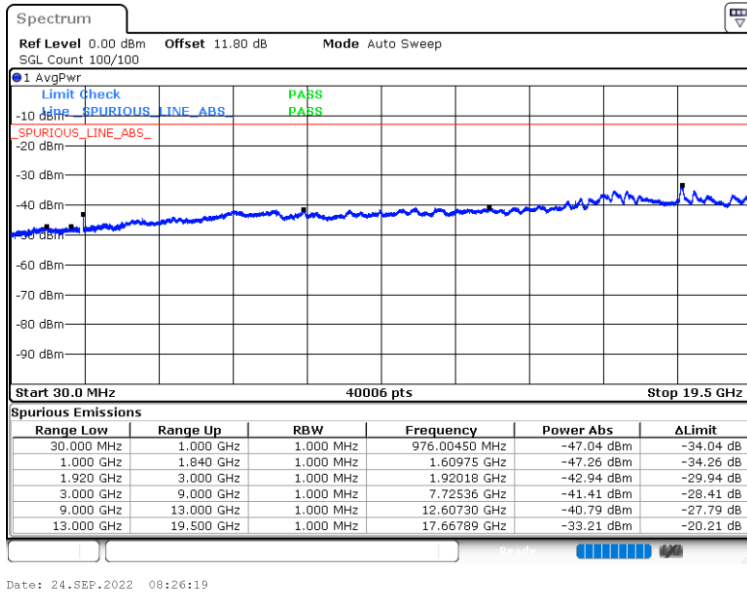
LTE Band 25 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0085	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0056	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0074	
-30	Normal Voltage	0.0086	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0087	

Note:

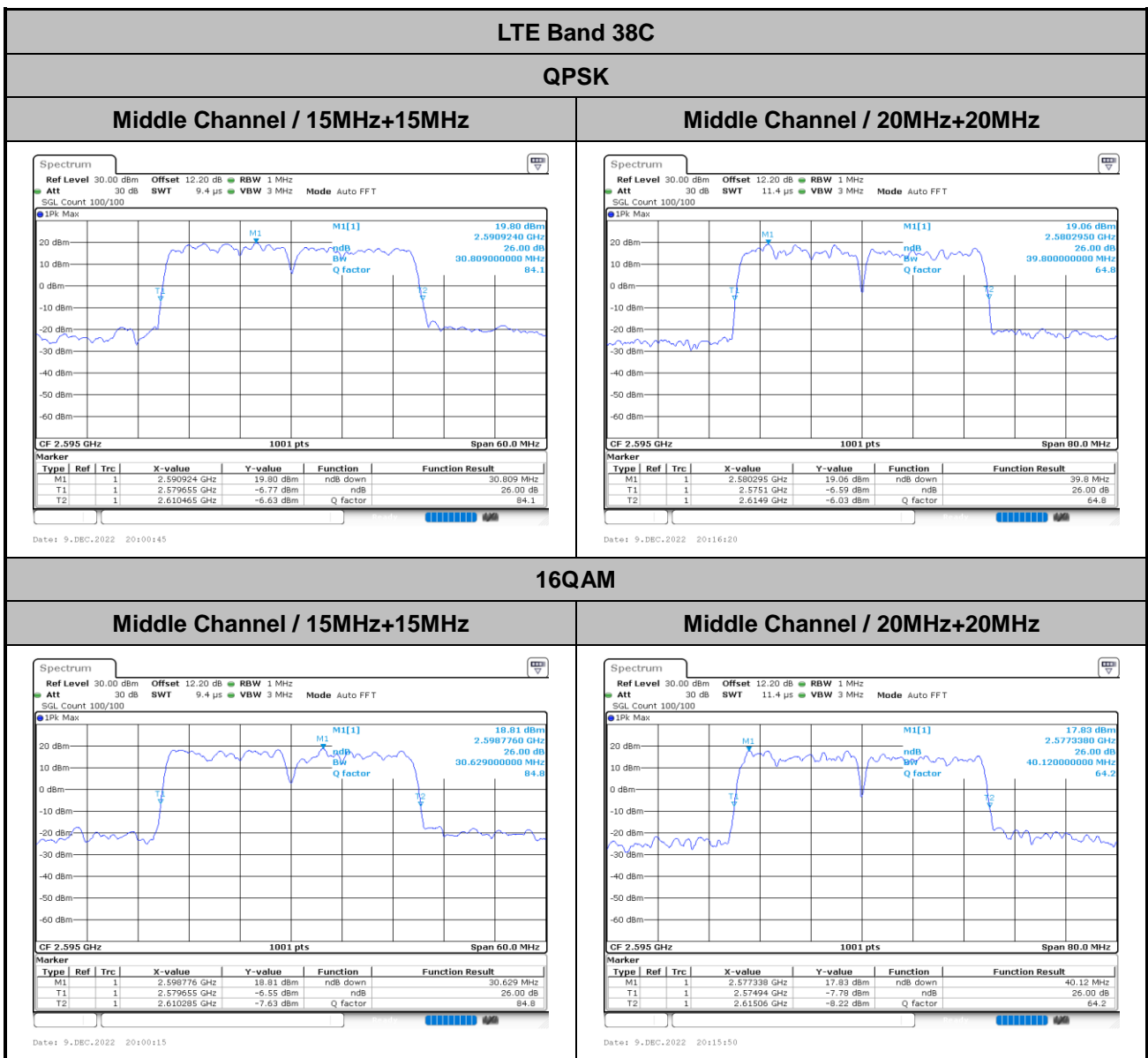
- 1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.45 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



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	30.81	30.63	30.81	30.63
BW	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz
Middle CH	39.80	40.12	40.04	39.96

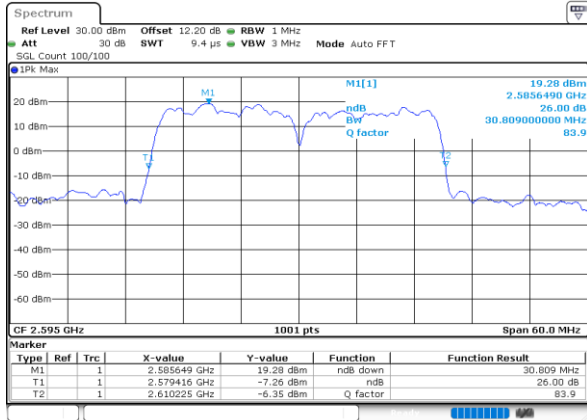




LTE Band 38C

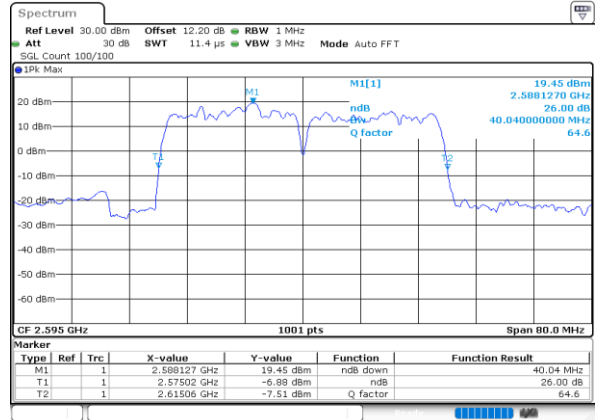
64QAM

Middle Channel / 15MHz+15MHz



Date: 9.DEC.2022 19:59:45

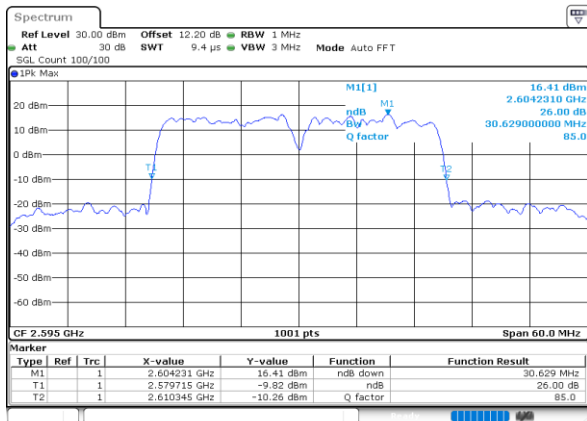
Middle Channel / 20MHz+20MHz



Date: 9.DEC.2022 20:15:20

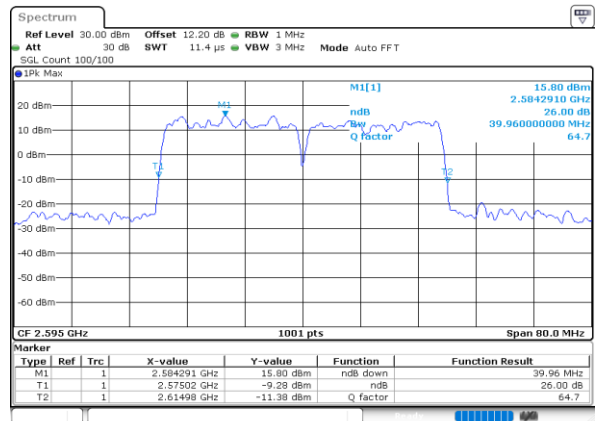
256QAM

Middle Channel / 15MHz+15MHz



Date: 9.DEC.2022 19:59:15

Middle Channel / 20MHz+20MHz

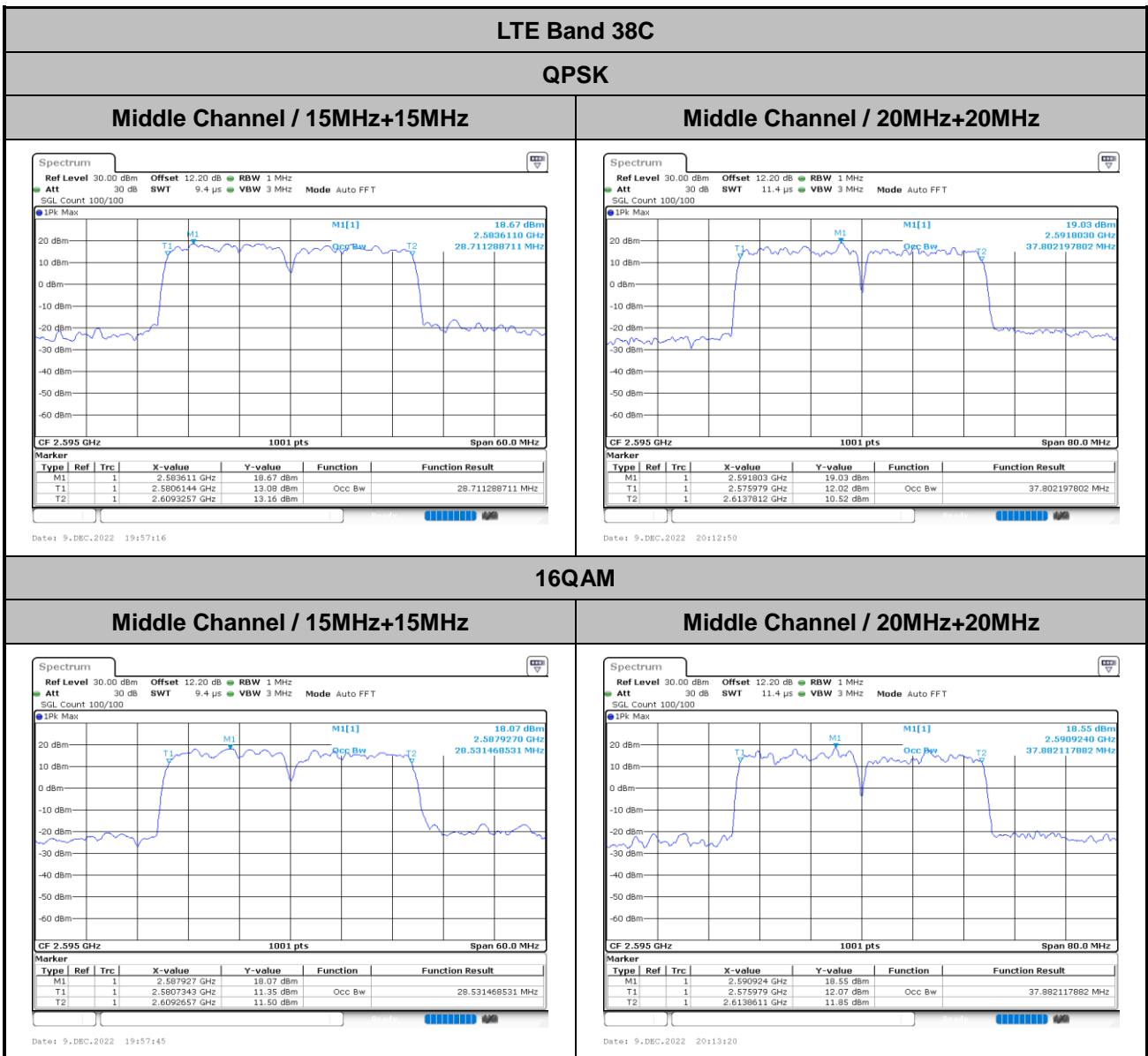


Date: 9.DEC.2022 20:14:50



Occupied Bandwidth

Mode	LTE Band 38C : 99%OBW(MHz)			
	QPSK	16QAM	64QAM	256QAM
BW	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz
Middle CH	28.71	28.53	28.59	28.35
BW	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz
Middle CH	37.80	37.88	37.88	37.96

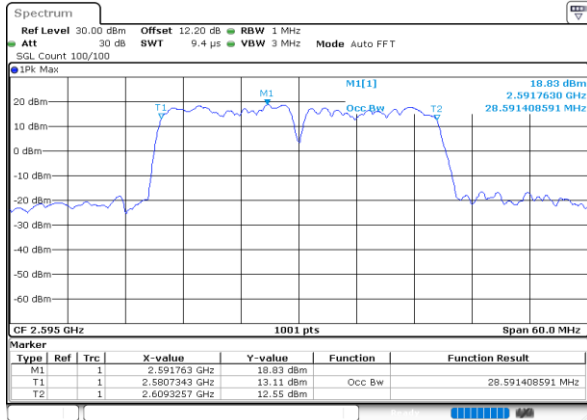




LTE Band 38C

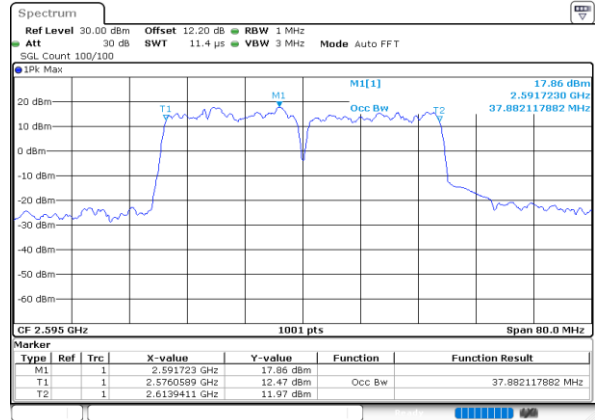
64QAM

Middle Channel / 15MHz+15MHz



Date: 9.DEC.2022 19:58:15

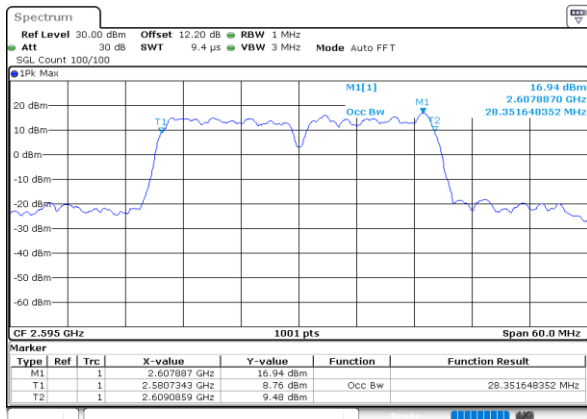
Middle Channel / 20MHz+20MHz



Date: 9.DEC.2022 20:13:50

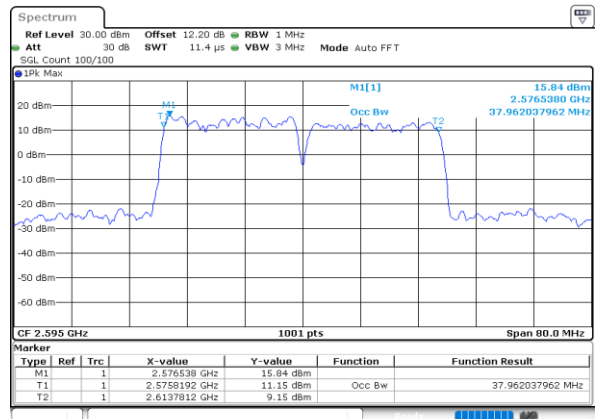
256QAM

Middle Channel / 15MHz+15MHz



Date: 9.DEC.2022 19:58:45

Middle Channel / 20MHz+20MHz



Date: 9.DEC.2022 20:14:20

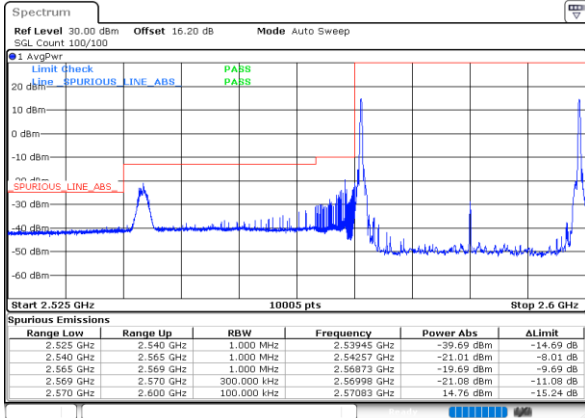


Conducted Band Edge

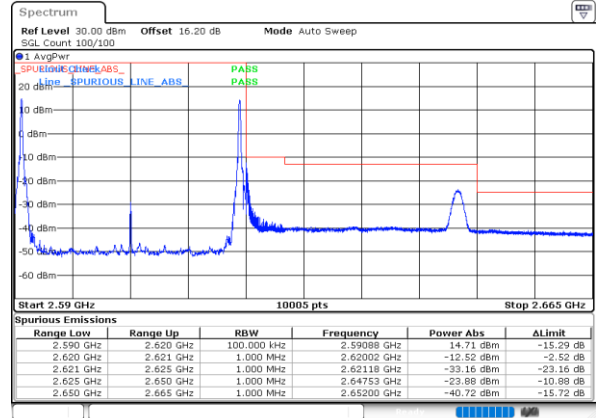
LTE Band 38C / 15MHz+15MHz

QPSK

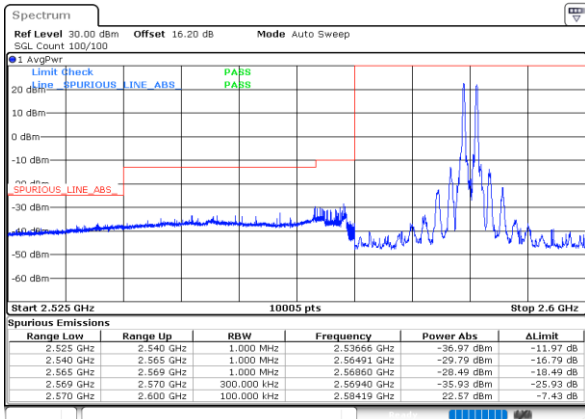
Lowest Band Edge / 1RB0 and 1RB74



Highest Band Edge / 1RB0 and 1RB74



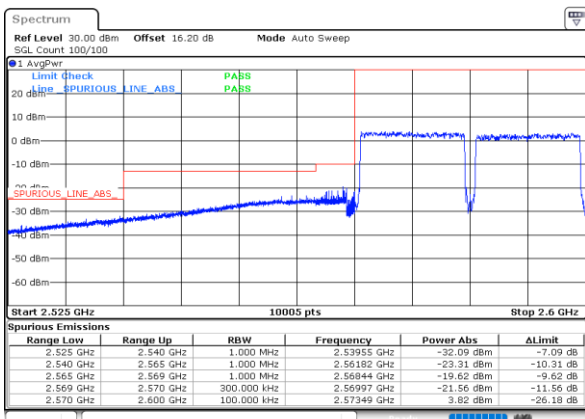
Lowest Band Edge / 1RB74 and 1RB0



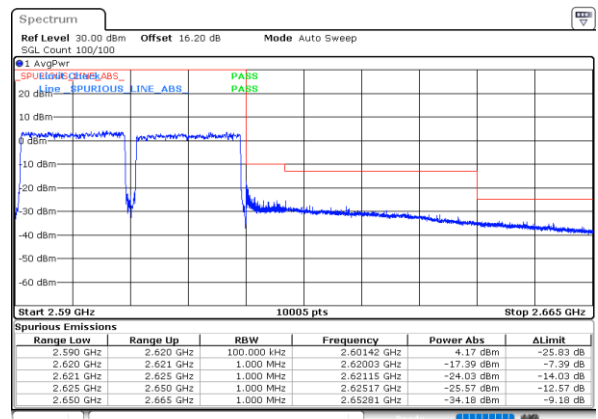
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

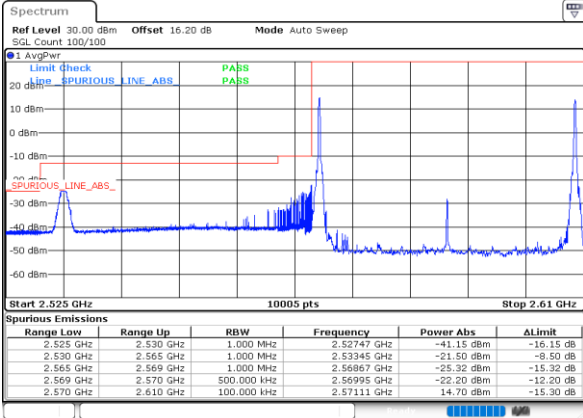




LTE Band 38C / 20MHz+20MHz

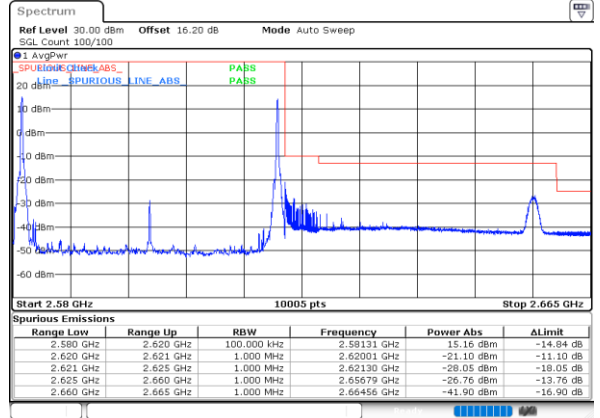
QPSK

Lowest Band Edge / 1RB0 and 1RB9



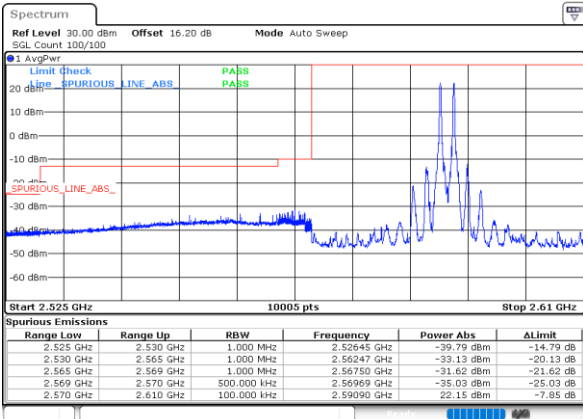
Date: 9.DEC.2022 19:41:46

Highest Band Edge / 1RB0 and 1RB9



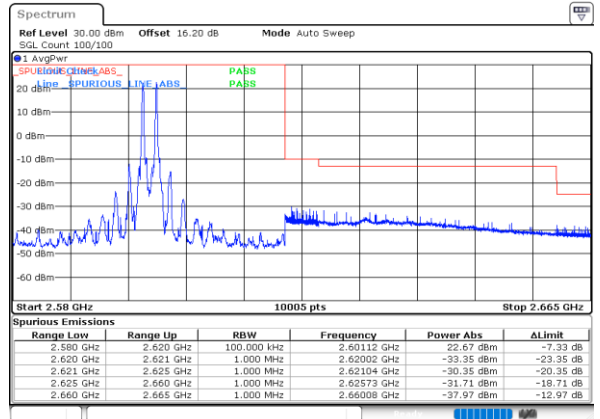
Date: 9.DEC.2022 19:22:28

Lowest Band Edge / 1RB99 and 1RB0



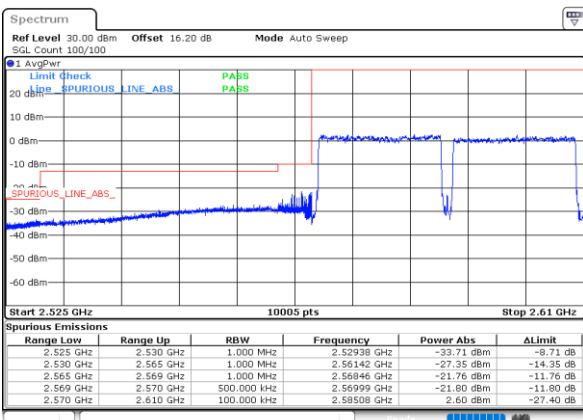
Date: 9.DEC.2022 19:45:43

Highest Band Edge / 1RB99 and 1RB0



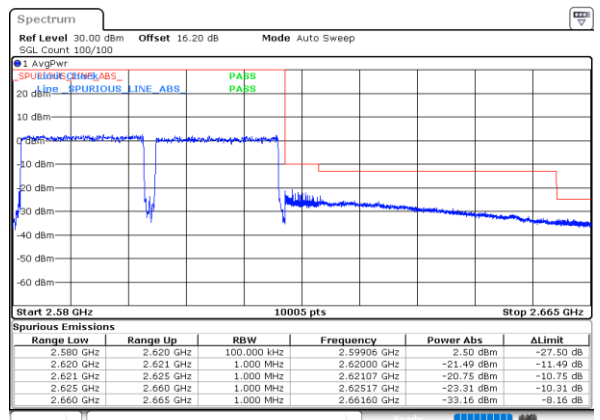
Date: 9.DEC.2022 19:26:24

Lowest Band Edge / Full RB



Date: 9.DEC.2022 19:37:49

Highest Band Edge / Full RB



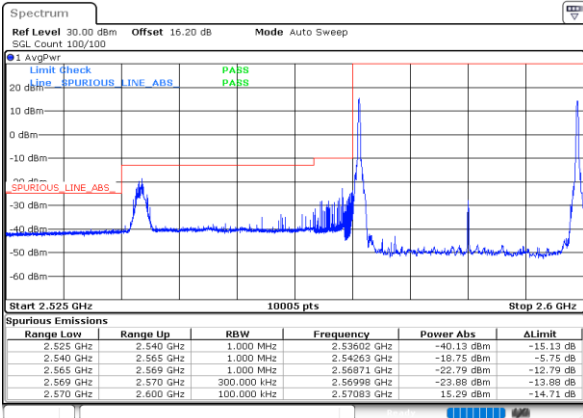
Date: 9.DEC.2022 19:18:32



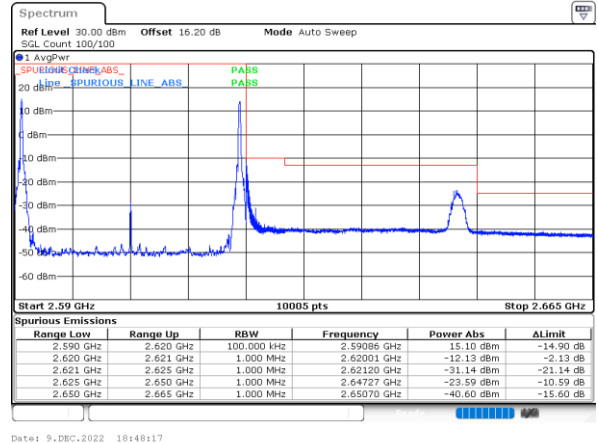
LTE Band 38C / 15MHz+15MHz

16QAM

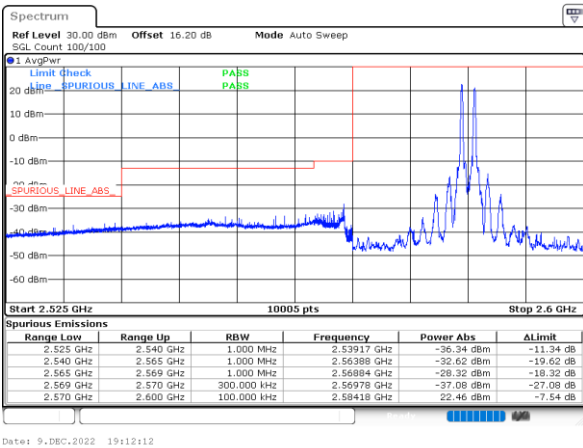
Lowest Band Edge / 1RB0 and 1RB74



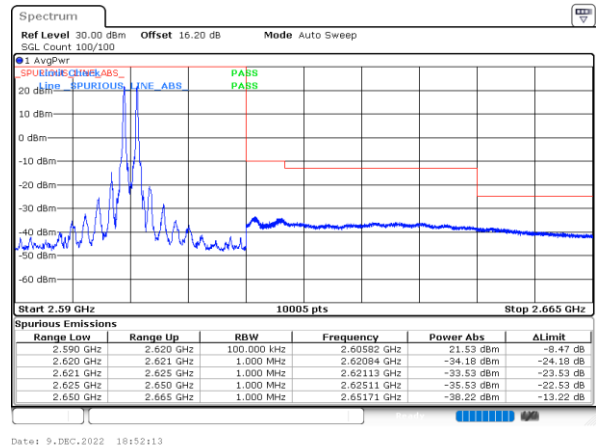
Highest Band Edge / 1RB0 and 1RB74



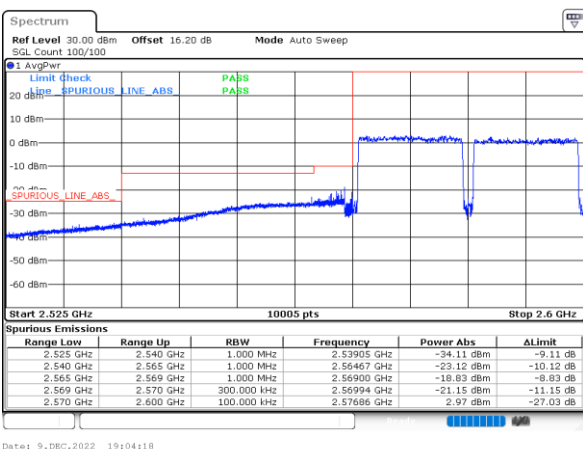
Lowest Band Edge / 1RB74 and 1RB0



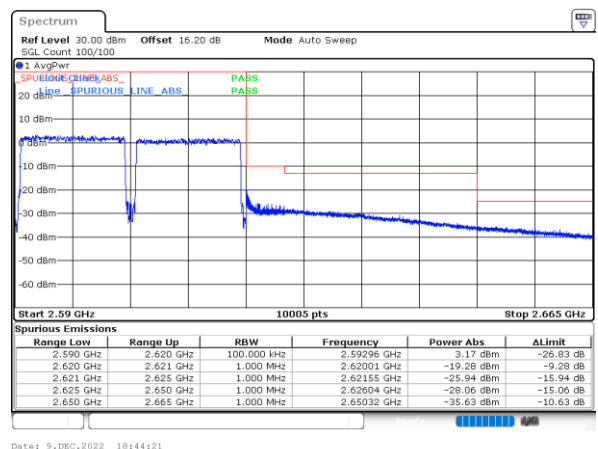
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

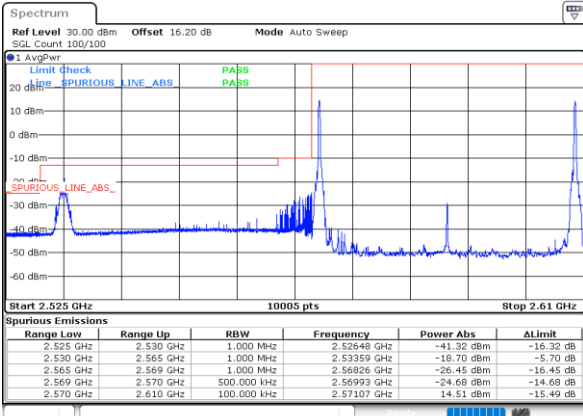




LTE Band 38C / 20MHz+20MHz

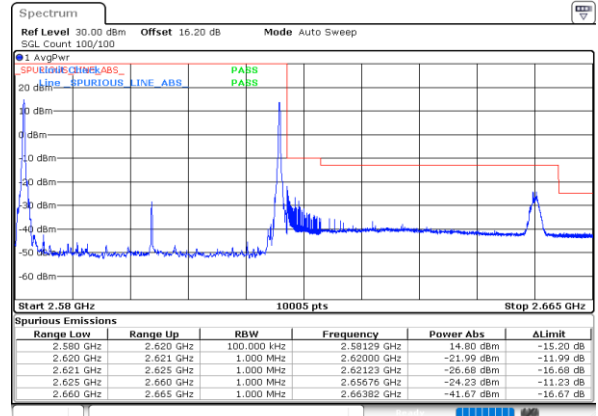
16QAM

Lowest Band Edge / 1RB0 and 1RB99



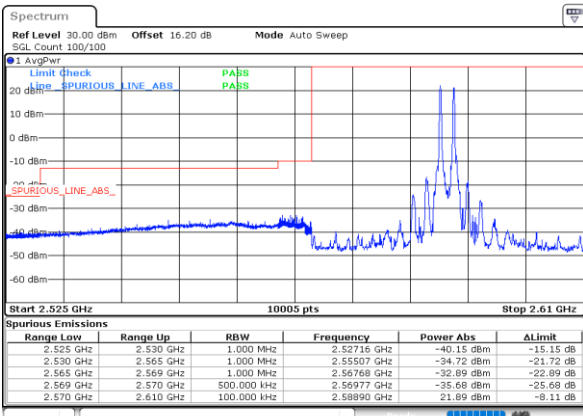
Date: 9.DEC.2022 19:42:46

Highest Band Edge / 1RB0 and 1RB99



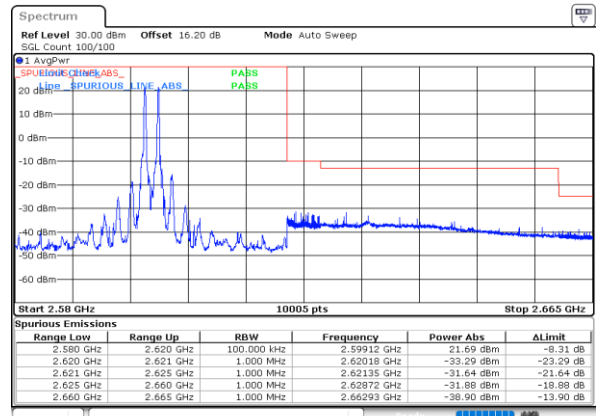
Date: 9.DEC.2022 19:23:27

Lowest Band Edge / 1RB99 and 1RB0



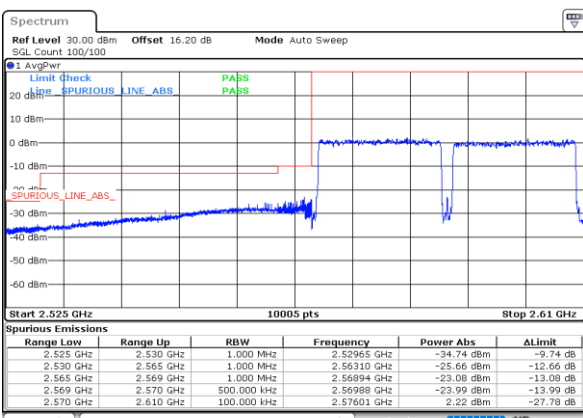
Date: 9.DEC.2022 19:46:43

Highest Band Edge / 1RB99 and 1RB0



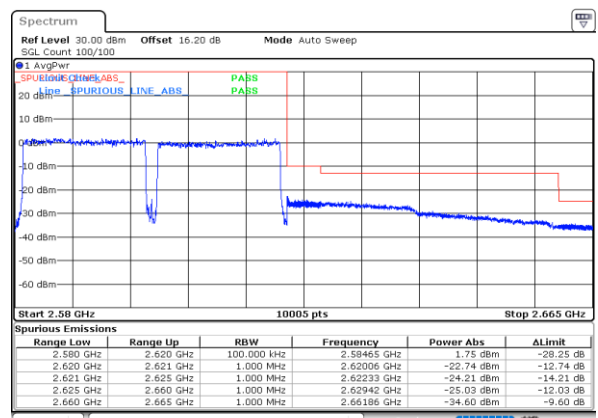
Date: 9.DEC.2022 19:27:23

Lowest Band Edge / Full RB



Date: 9.DEC.2022 19:38:49

Highest Band Edge / Full RB



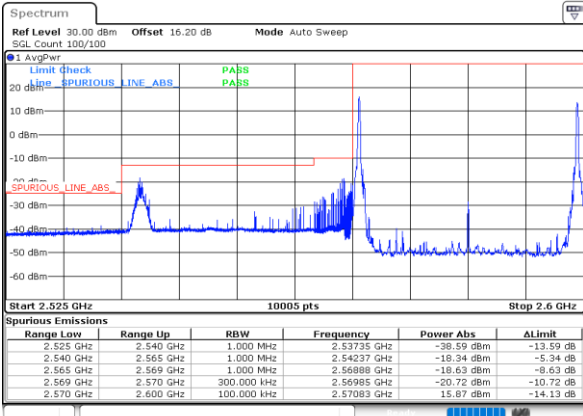
Date: 9.DEC.2022 19:19:31



LTE Band 38C / 15MHz+15MHz

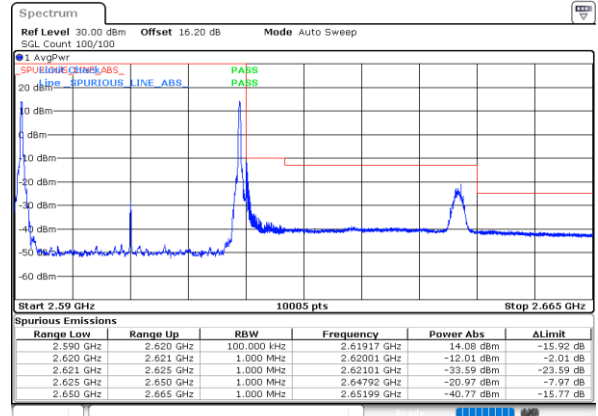
64QAM

Lowest Band Edge / 1RB0 and 1RB74



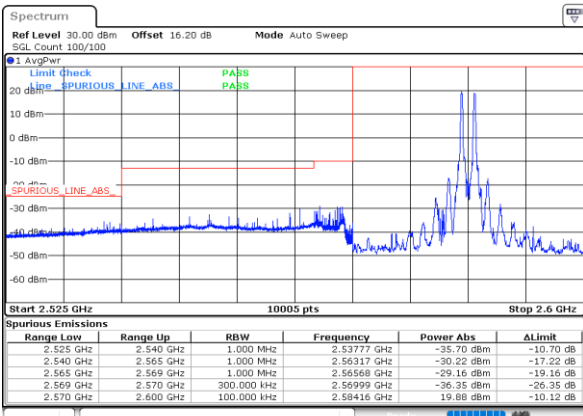
Date: 9.DEC.2022 19:09:14

Highest Band Edge / 1RB0 and 1RB74



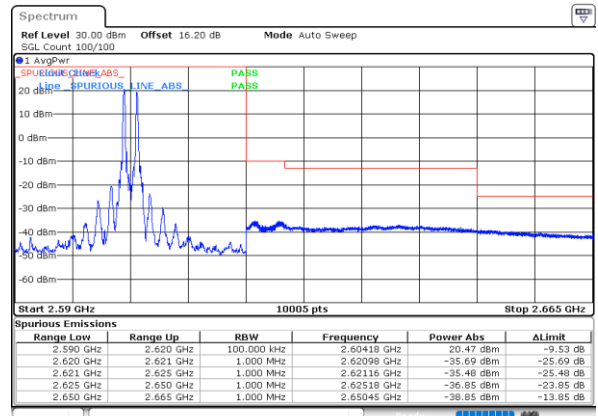
Date: 9.DEC.2022 18:49:16

Lowest Band Edge / 1RB74 and 1RB0



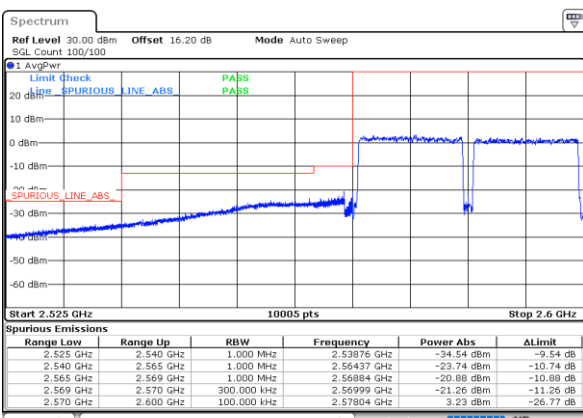
Date: 9.DEC.2022 19:13:11

Highest Band Edge / 1RB74 and 1RB0



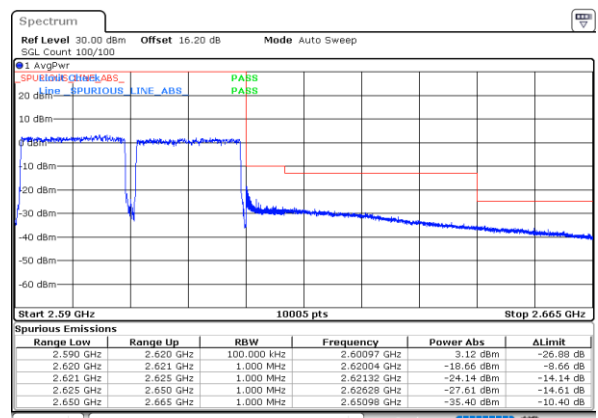
Date: 9.DEC.2022 18:53:12

Lowest Band Edge / Full RB



Date: 9.DEC.2022 19:05:17

Highest Band Edge / Full RB



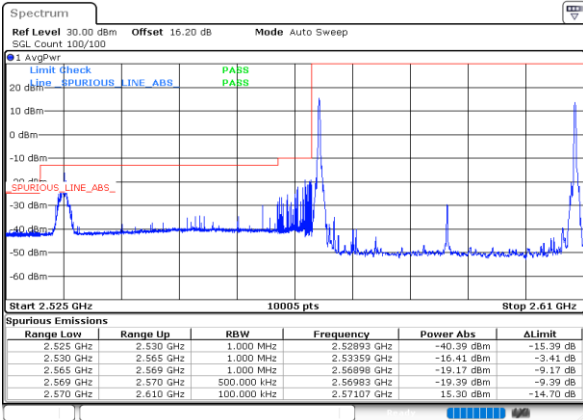
Date: 9.DEC.2022 18:45:20



LTE Band 38C / 20MHz+20MHz

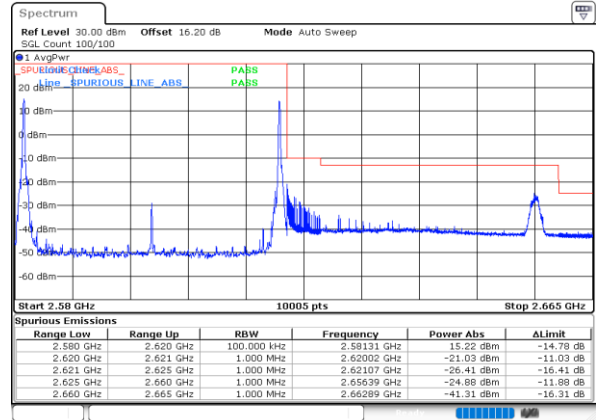
64QAM

Lowest Band Edge / 1RB0 and 1RB9



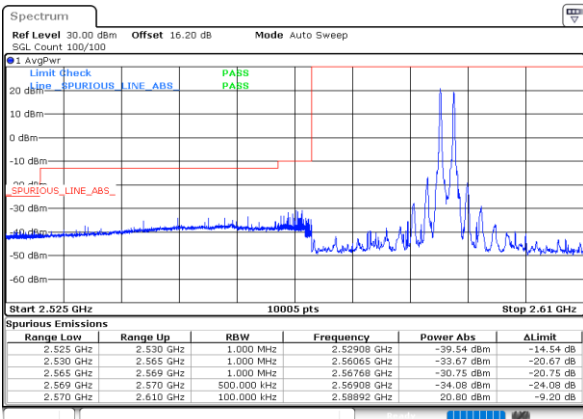
Date: 9.DEC.2022 19:43:45

Highest Band Edge / 1RB0 and 1RB9



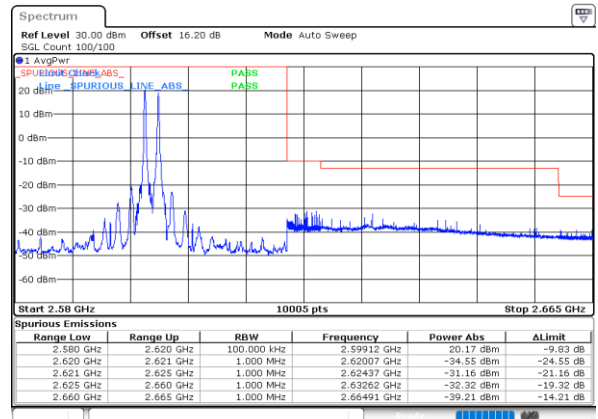
Date: 9.DEC.2022 19:24:26

Lowest Band Edge / 1RB99 and 1RB0



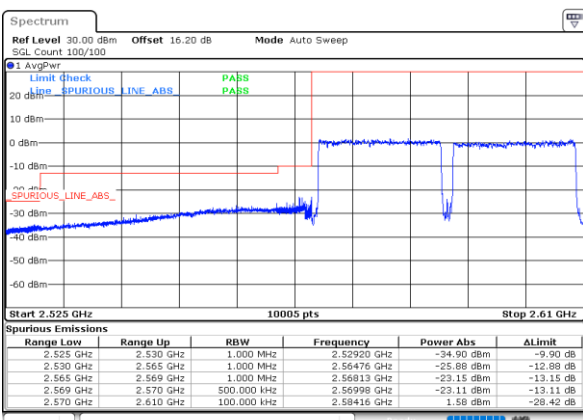
Date: 9.DEC.2022 19:47:42

Highest Band Edge / 1RB99 and 1RB0



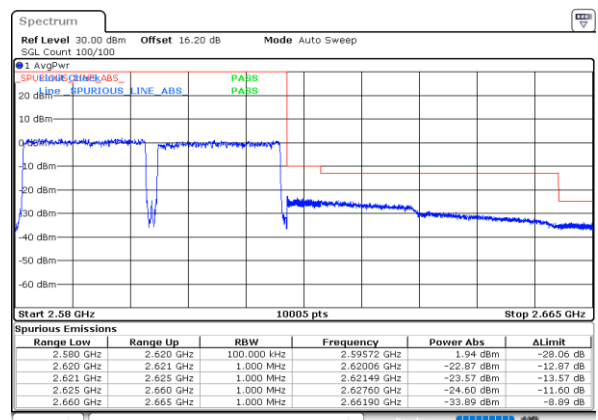
Date: 9.DEC.2022 19:28:22

Lowest Band Edge / Full RB



Date: 9.DEC.2022 19:39:48

Highest Band Edge / Full RB



Date: 9.DEC.2022 19:20:29

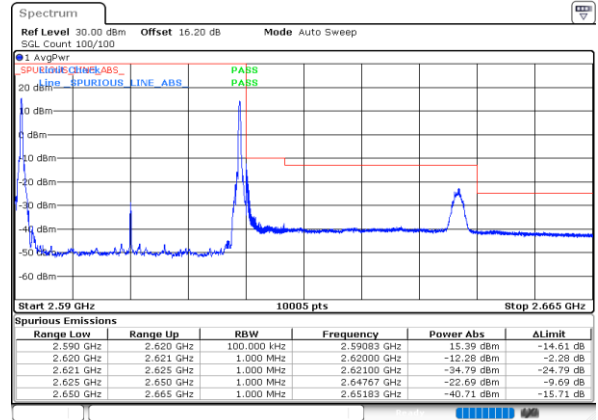
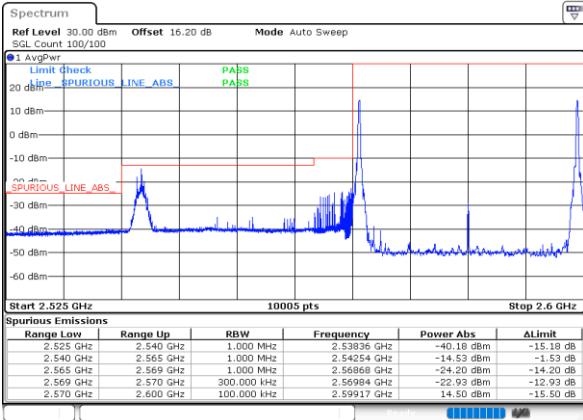


LTE Band 38C / 15MHz+15MHz

256QAM

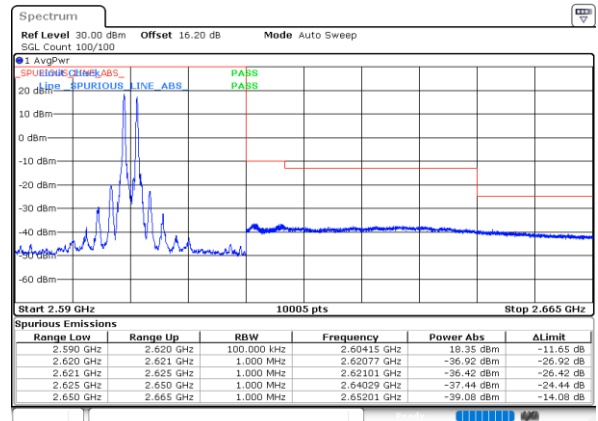
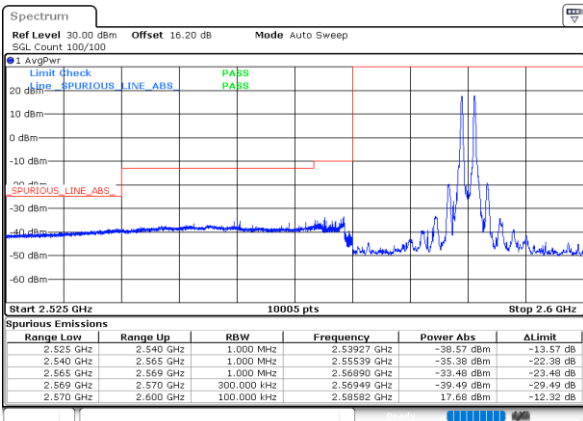
Lowest Band Edge / 1RB0 and 1RB4

Highest Band Edge / 1RB0 and 1RB4



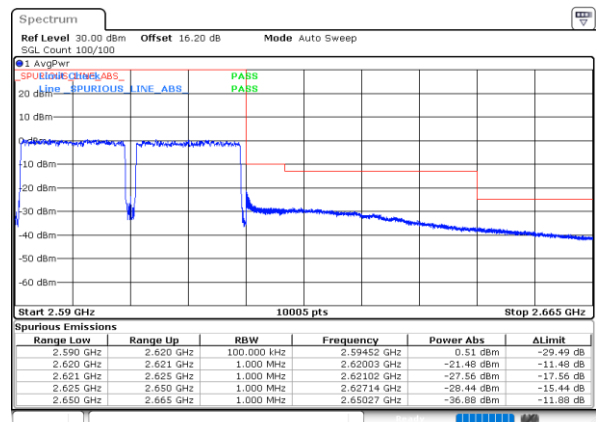
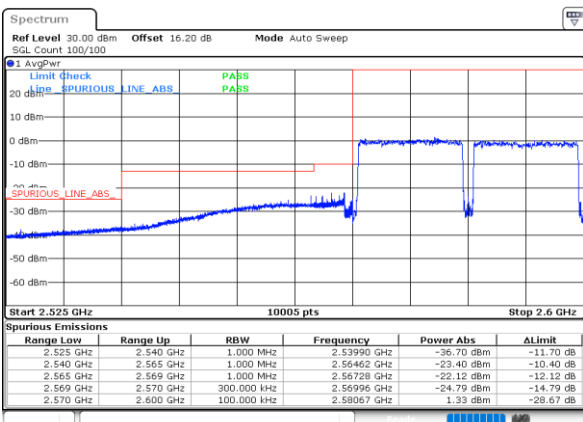
Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

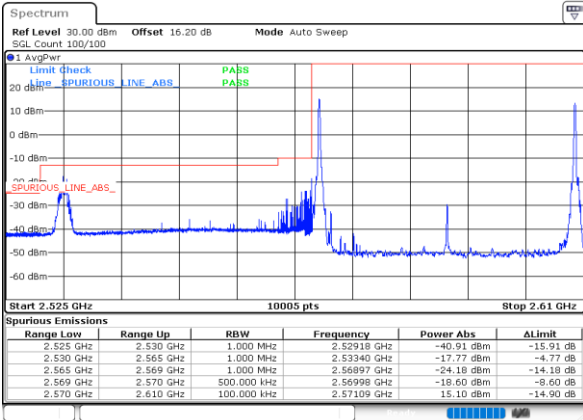




LTE Band 38C / 20MHz+20MHz

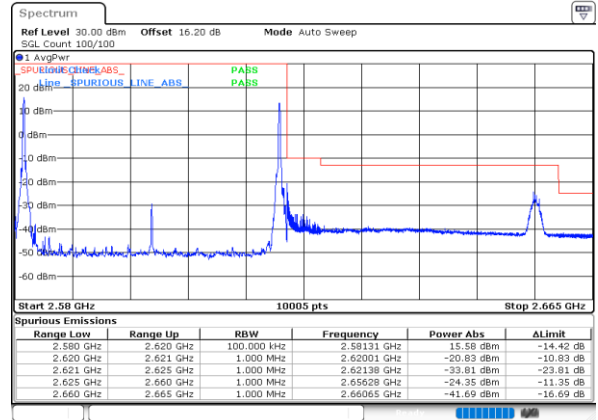
256QAM

Lowest Band Edge / 1RB0 and 1RB9



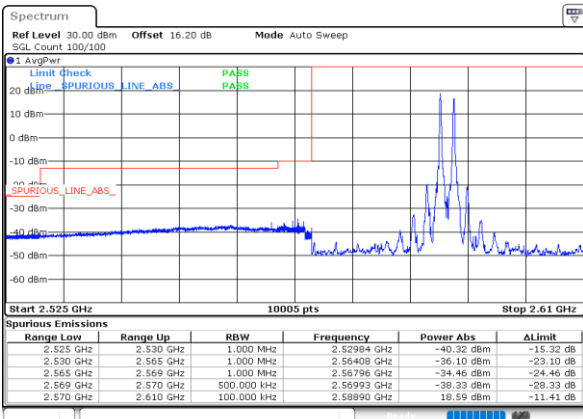
Date: 9.DEC.2022 19:44:44

Highest Band Edge / 1RB0 and 1RB9



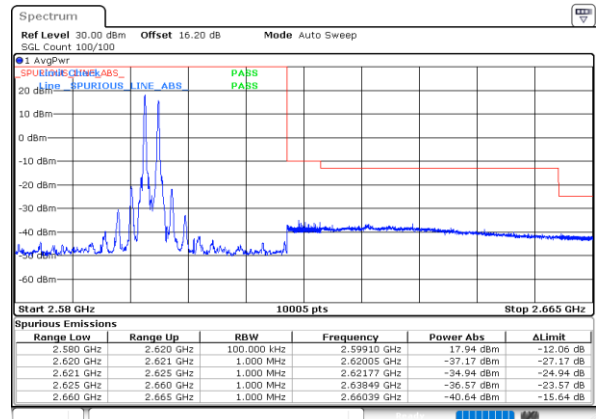
Date: 9.DEC.2022 19:25:25

Lowest Band Edge / 1RB99 and 1RB0



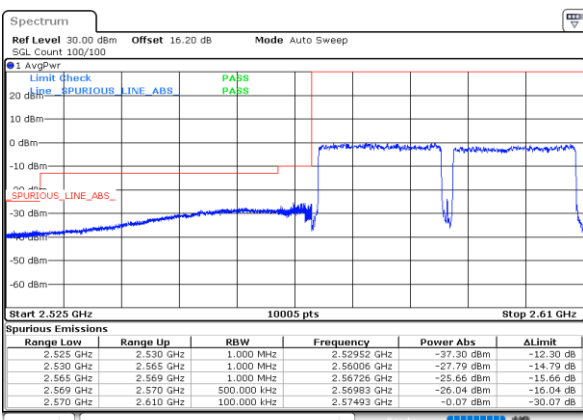
Date: 9.DEC.2022 19:48:41

Highest Band Edge / 1RB99 and 1RB0



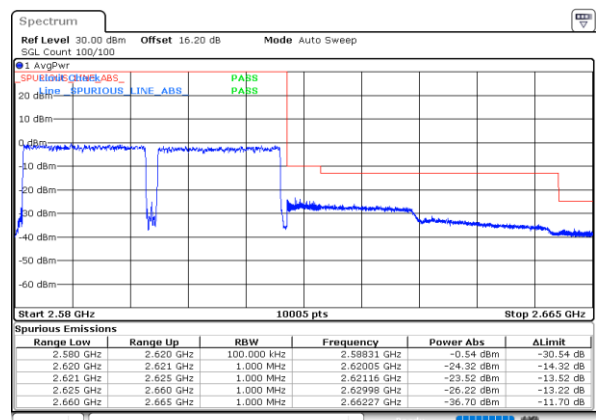
Date: 9.DEC.2022 19:29:21

Lowest Band Edge / Full RB



Date: 9.DEC.2022 19:40:47

Highest Band Edge / Full RB



Date: 9.DEC.2022 19:21:29



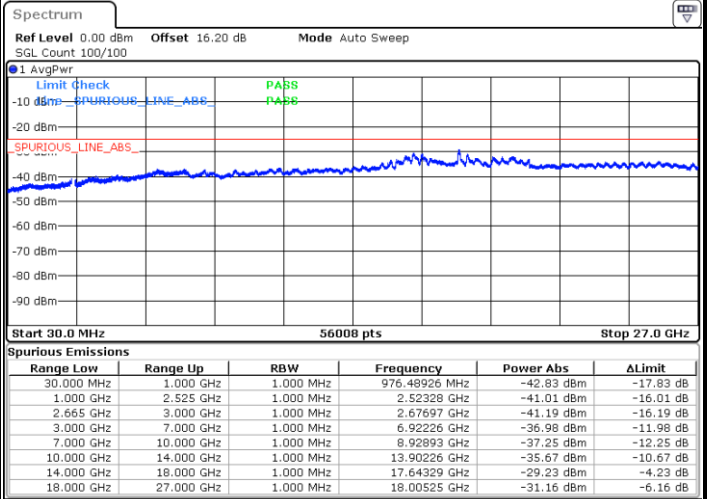
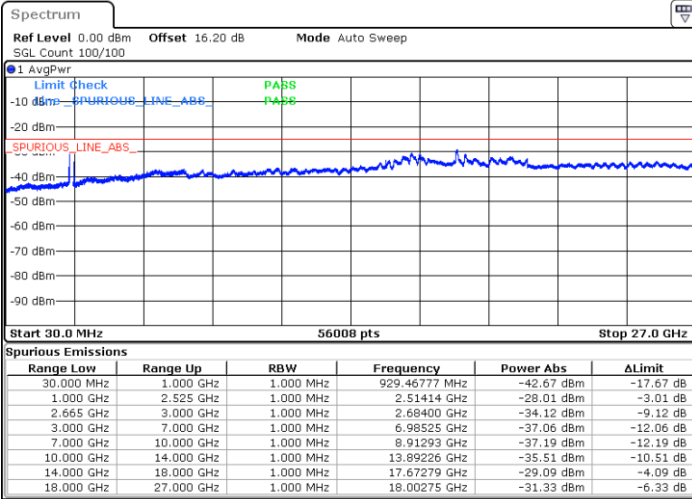
Conducted Spurious Emission

LTE Band 38C / 15MHz+15MHz

QPSK

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB74 and 1RB0

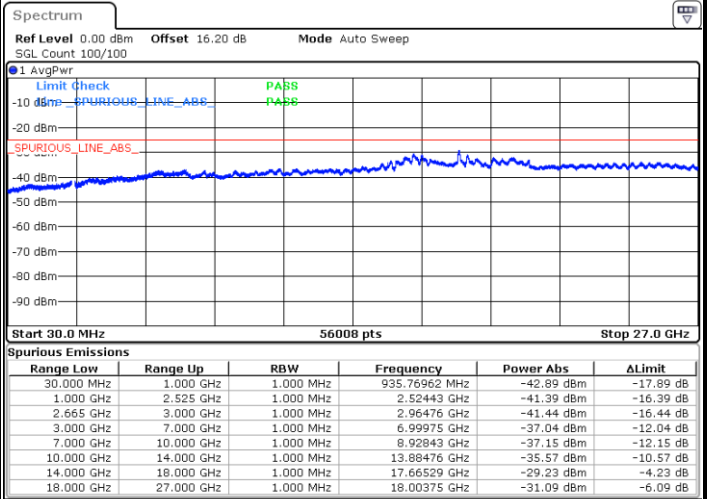
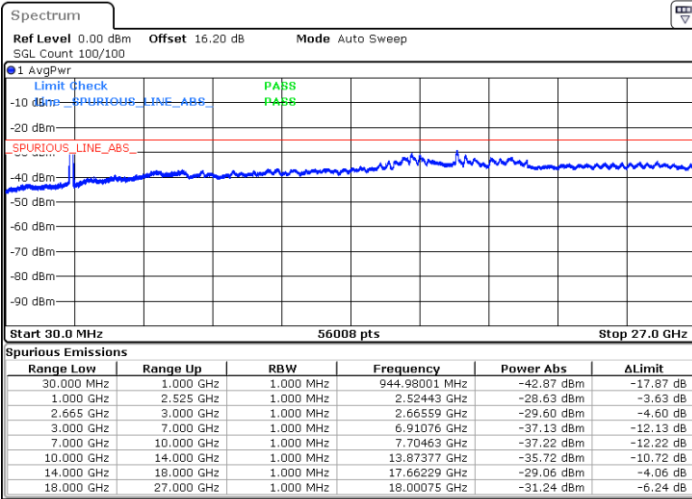


Date: 9.DEC.2022 19:16:48

Date: 9.DEC.2022 19:15:29

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB74 and 1RB0



Date: 9.DEC.2022 18:58:50

Date: 9.DEC.2022 19:00:09

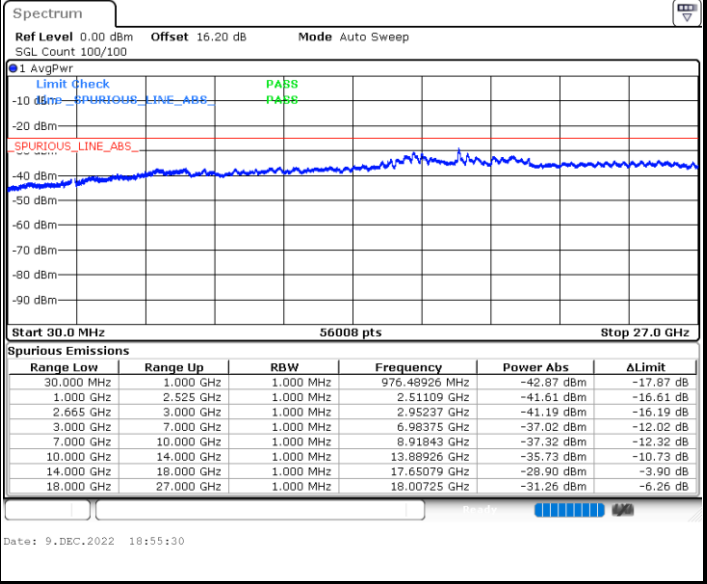
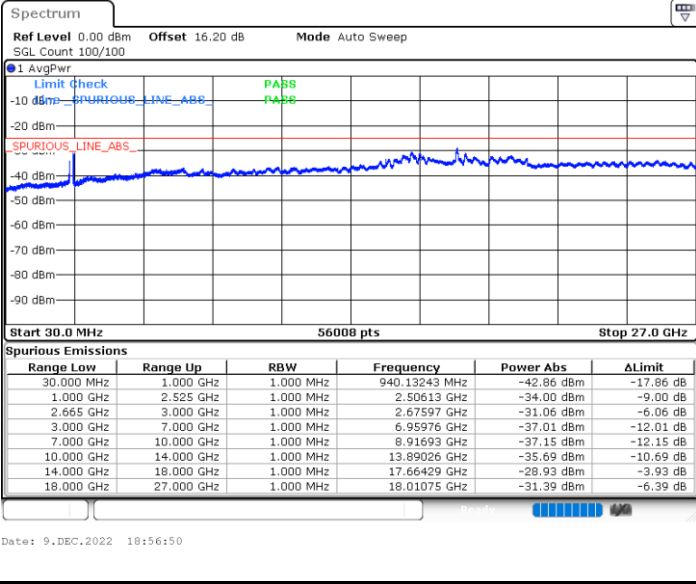


LTE Band 38C / 15MHz+15MHz

QPSK

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB74 and 1RB0



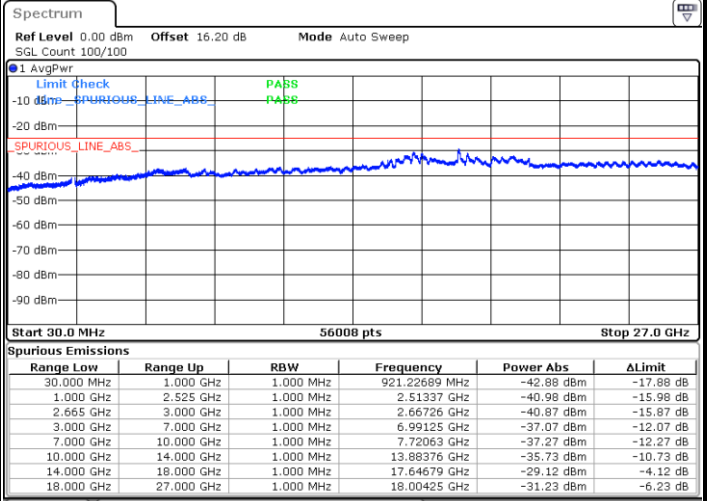
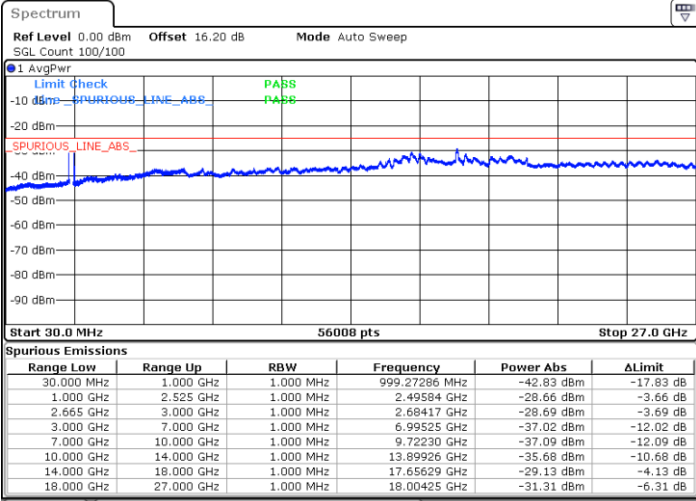


LTE Band 38C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0

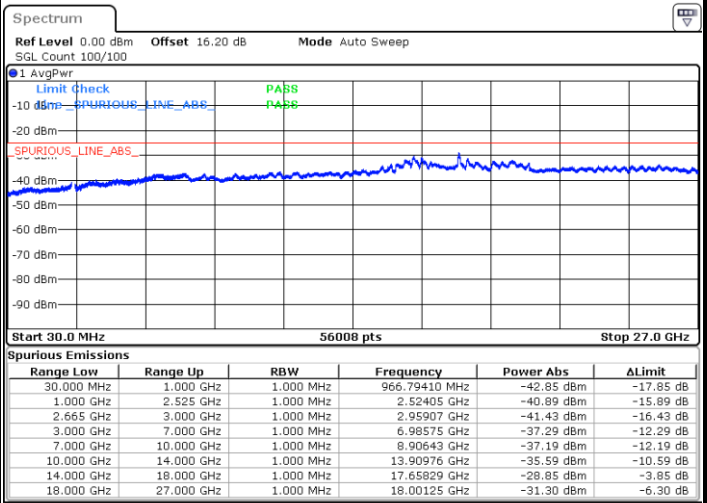
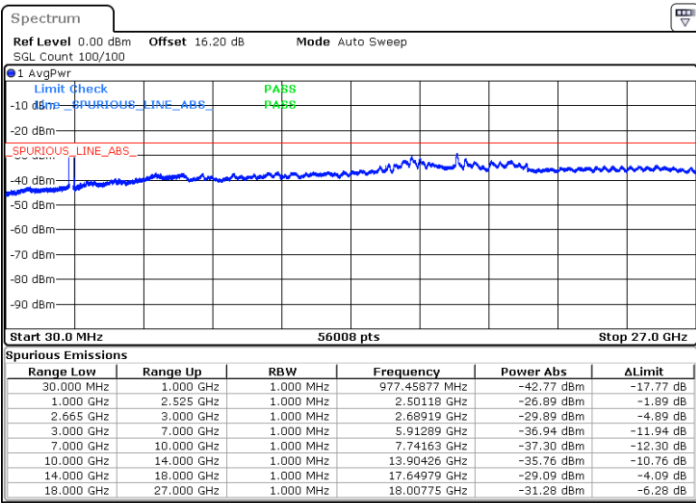


Date: 9.DEC.2022 19:51:19

Date: 9.DEC.2022 19:50:00

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



Date: 9.DEC.2022 19:35:28

Date: 9.DEC.2022 19:36:47

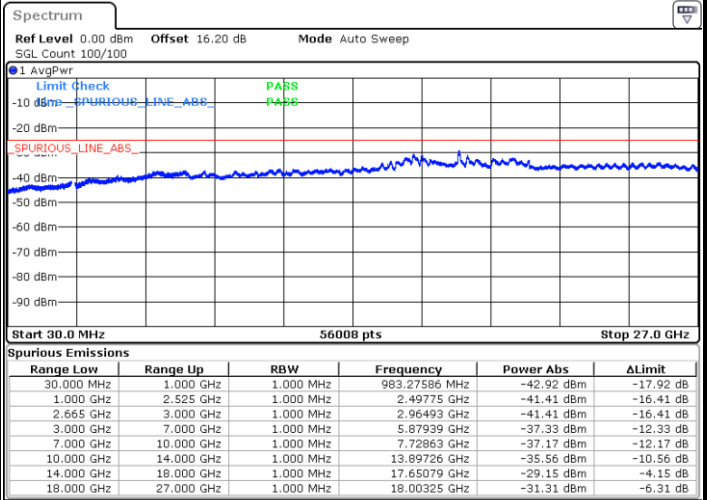
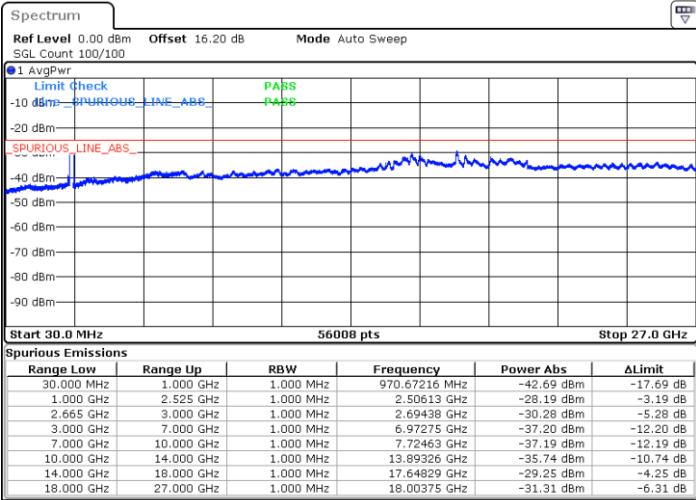


LTE Band 38C / 20MHz+20MHz

QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



Date: 9.DEC.2022 19:31:59

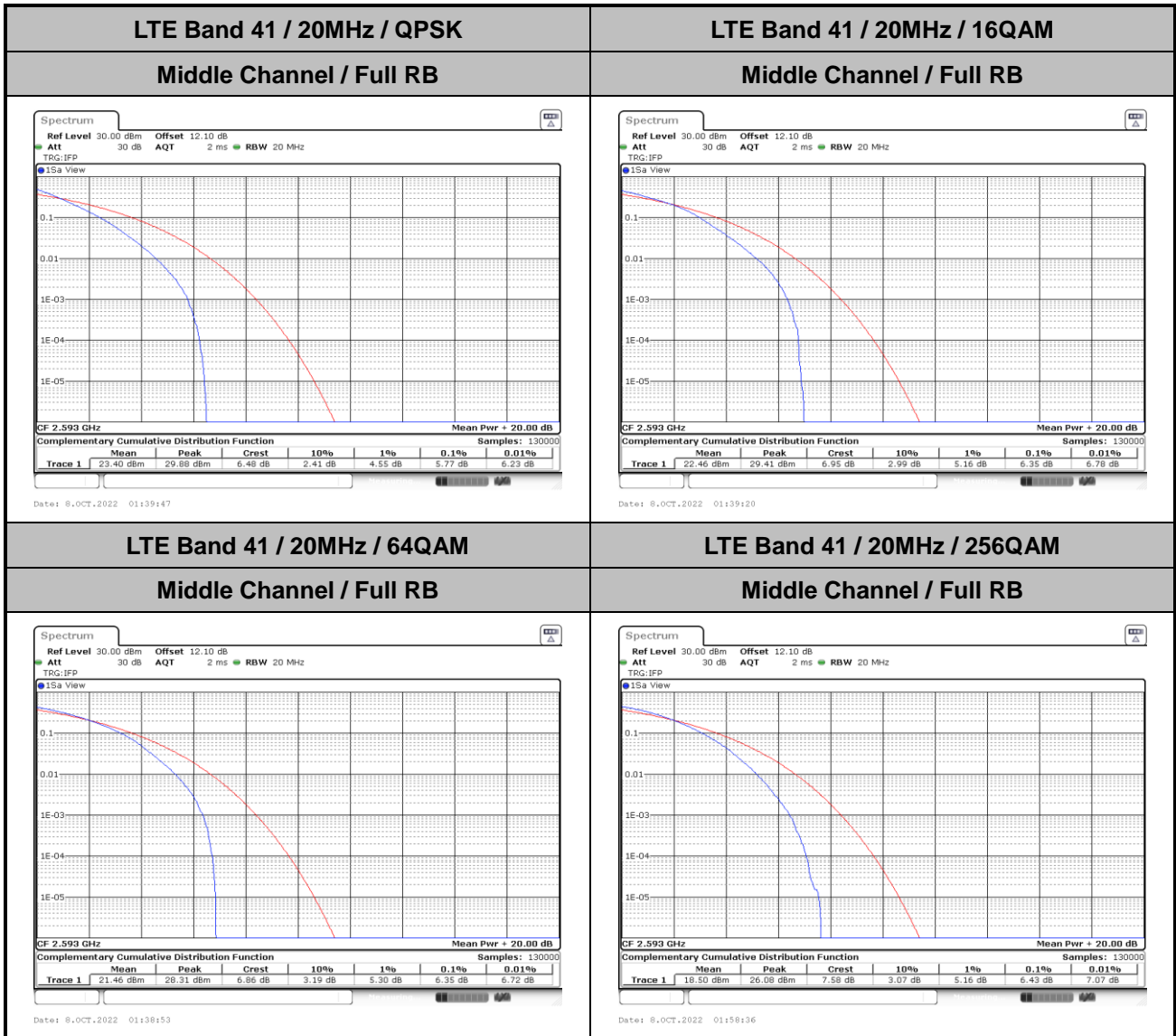
Date: 9.DEC.2022 19:30:40



LTE Band 41_HPUE

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.77	6.35	6.35	6.43	PASS





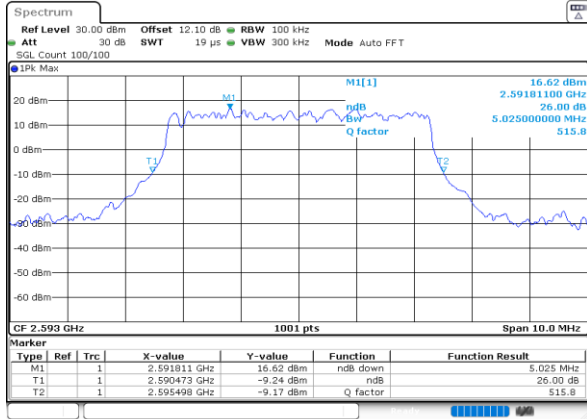
26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	5.03	5.12	9.93	9.81	14.63	14.18	19.58	18.66
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.87	4.90	10.15	10.05	14.15	14.15	18.90	19.78



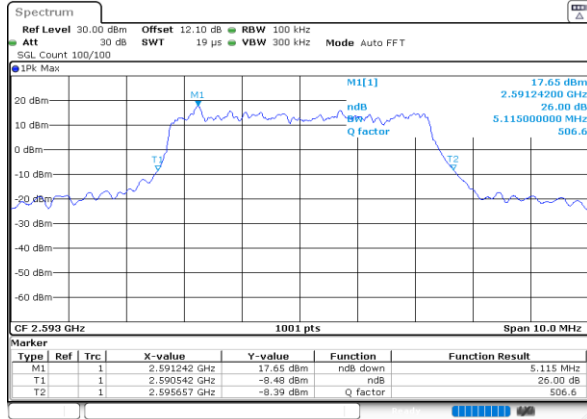
LTE Band 41

Middle Channel / 5MHz / QPSK



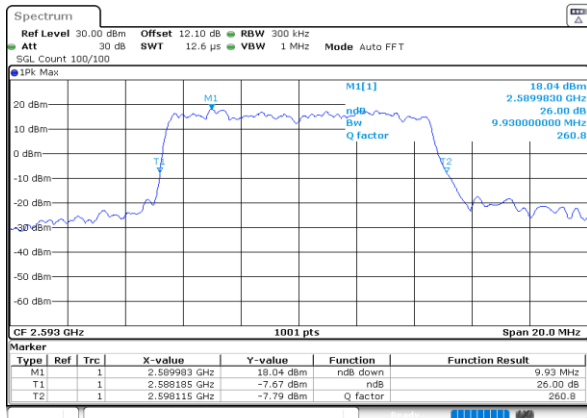
Date: 8.OCT.2022 01:20:54

Middle Channel / 5MHz / 16QAM



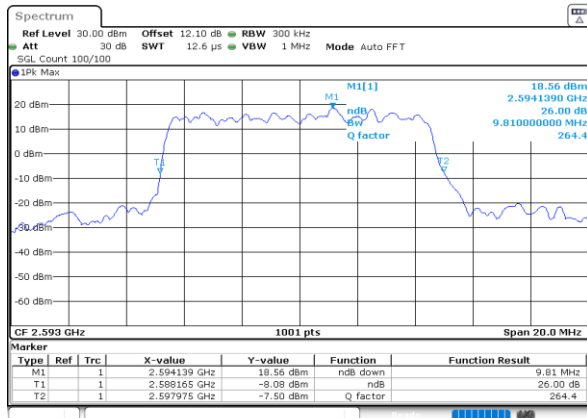
Date: 8.OCT.2022 01:21:20

Middle Channel / 10MHz / QPSK



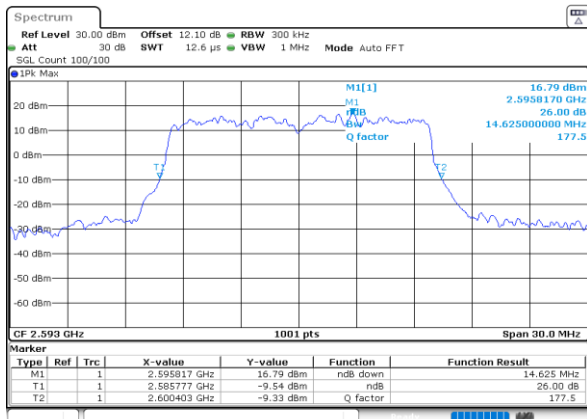
Date: 8.OCT.2022 01:27:12

Middle Channel / 10MHz / 16QAM



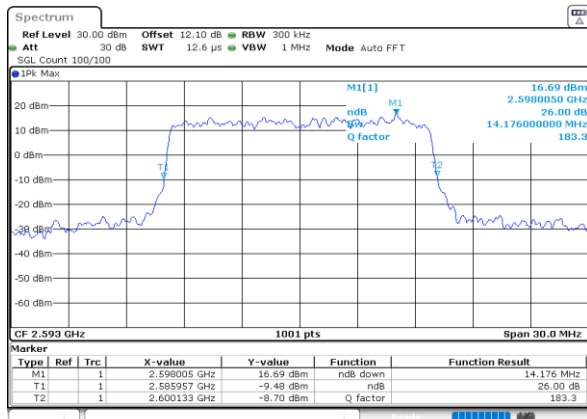
Date: 8.OCT.2022 01:27:38

Middle Channel / 15MHz / QPSK



Date: 8.OCT.2022 01:33:29

Middle Channel / 15MHz / 16QAM



Date: 8.OCT.2022 01:33:55