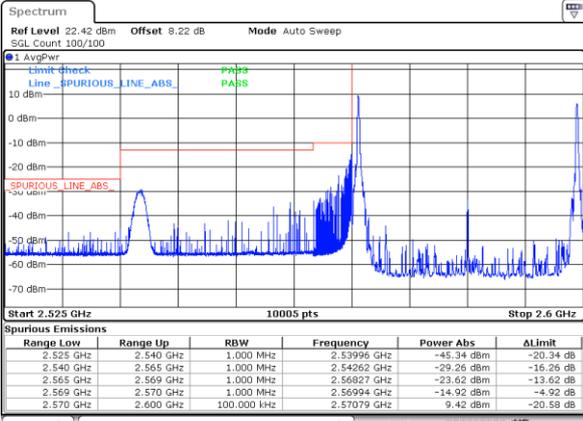




LTE Band 38C / 15MHz+15MHz

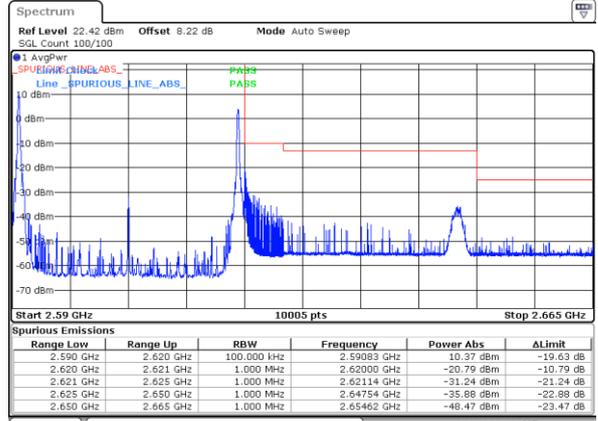
16QAM

Lowest Band Edge / 1RB0 and 1RB74



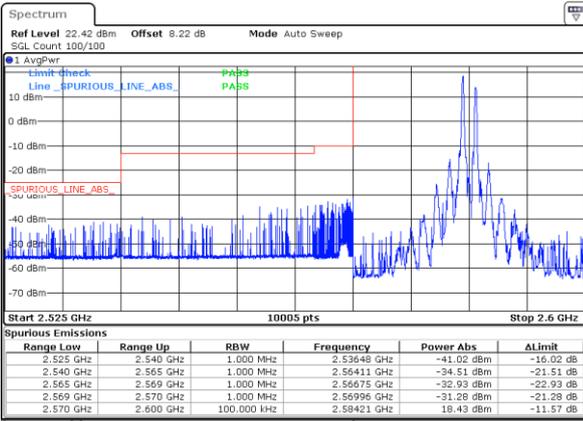
Date: 22.OCT.2021 14:11:50

Highest Band Edge / 1RB0 and 1RB74



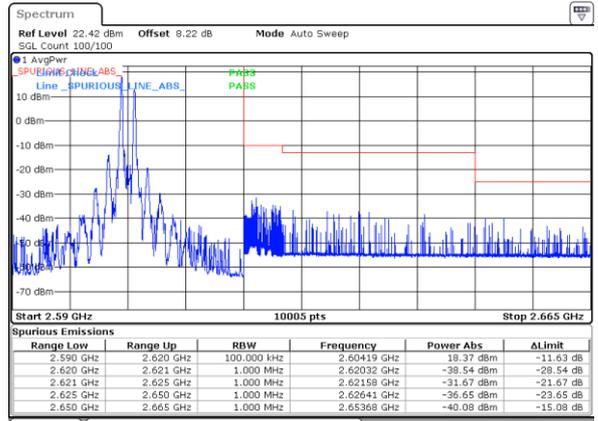
Date: 22.OCT.2021 14:13:47

Lowest Band Edge / 1RB74 and 1RB0



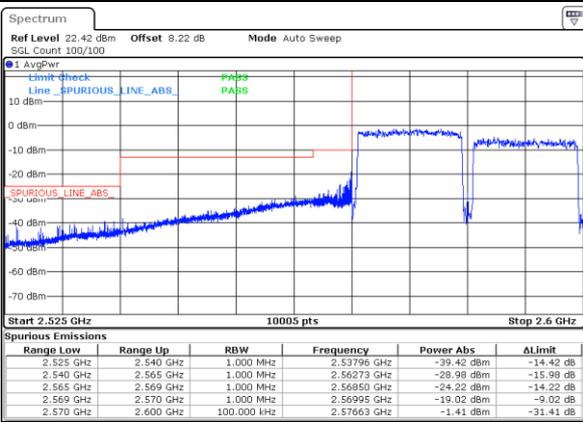
Date: 22.OCT.2021 14:17:51

Highest Band Edge / 1RB74 and 1RB0



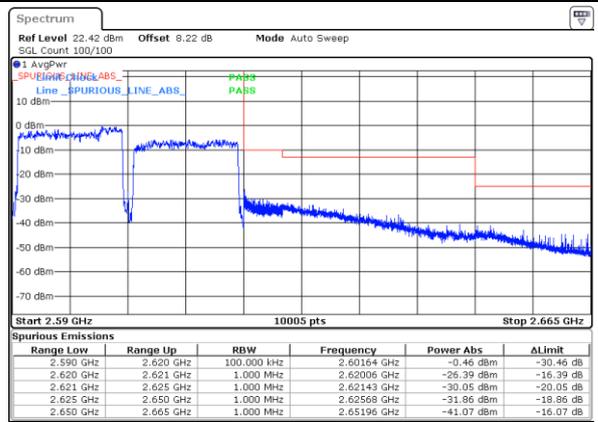
Date: 22.OCT.2021 14:32:23

Lowest Band Edge / Full RB



Date: 22.OCT.2021 14:19:32

Highest Band Edge / Full RB



Date: 22.OCT.2021 14:40:11

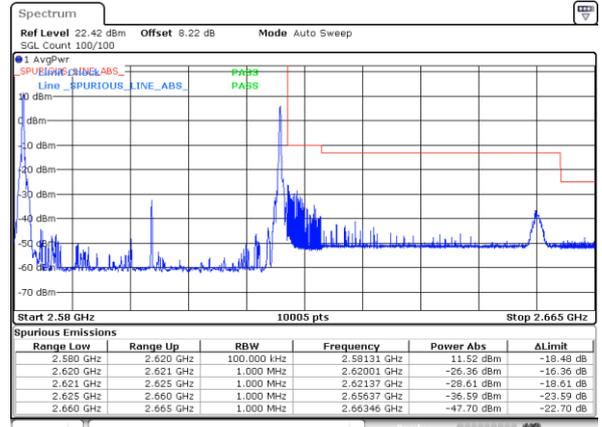
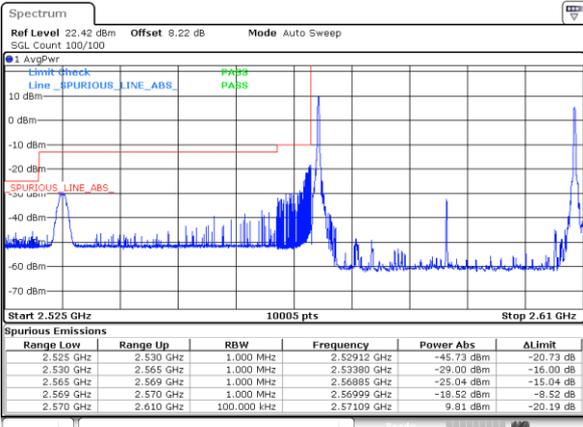


LTE Band 38C / 20MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

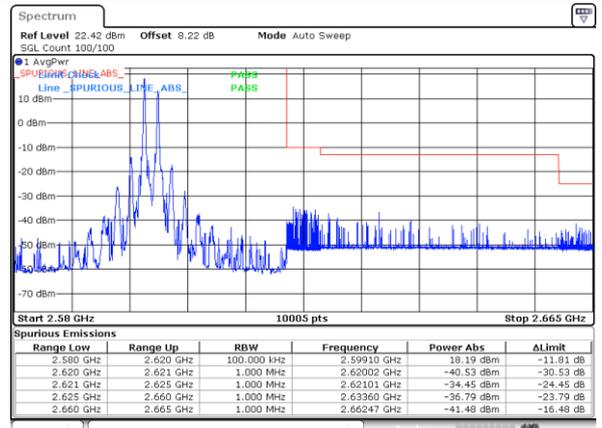
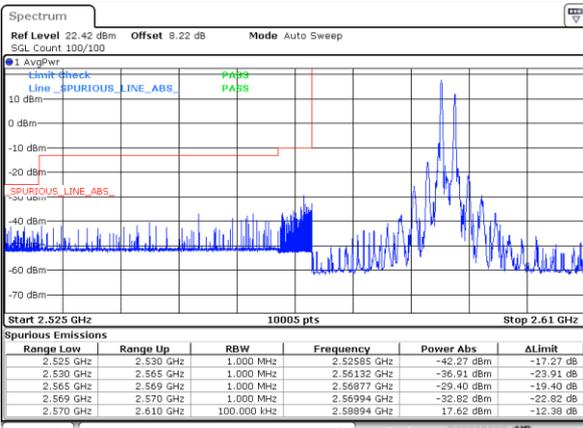


Date: 22.OCT.2021 14:46:14

Date: 22.OCT.2021 15:10:24

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

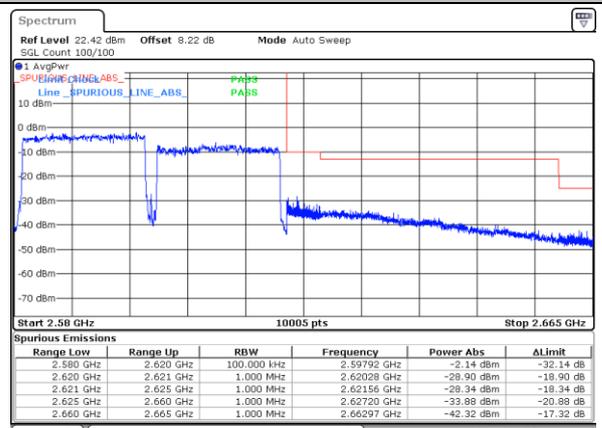
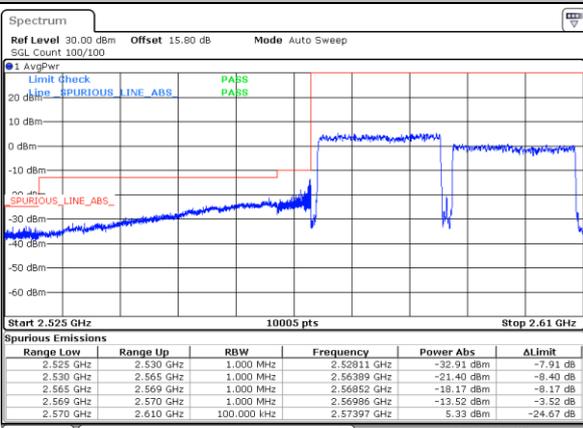


Date: 22.OCT.2021 14:47:43

Date: 22.OCT.2021 15:13:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22.OCT.2021 14:43:00

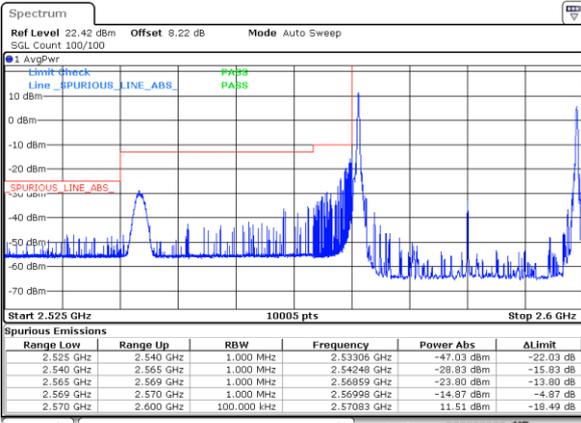
Date: 22.OCT.2021 14:58:14



LTE Band 38C / 15MHz+15MHz

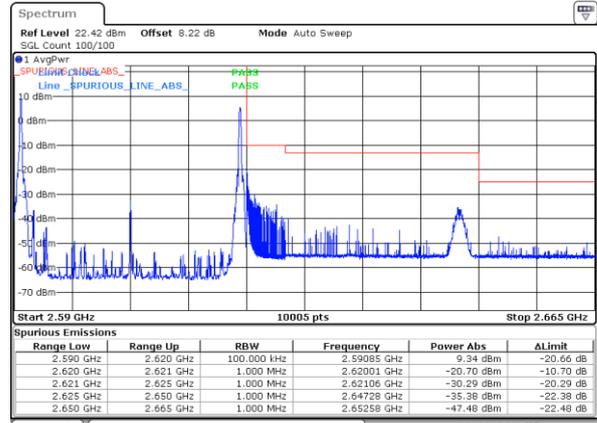
64QAM

Lowest Band Edge / 1RB0 and 1RB74



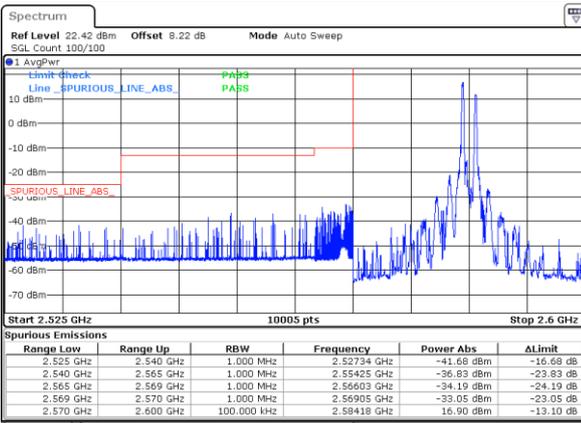
Date: 22.OCT.2021 14:13:27

Highest Band Edge / 1RB0 and 1RB74



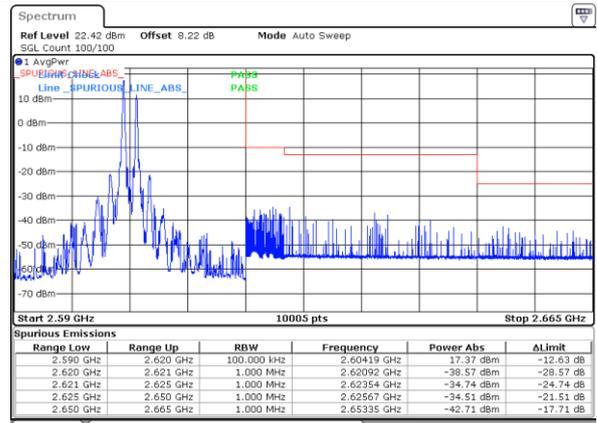
Date: 22.OCT.2021 14:34:13

Lowest Band Edge / 1RB74 and 1RB0



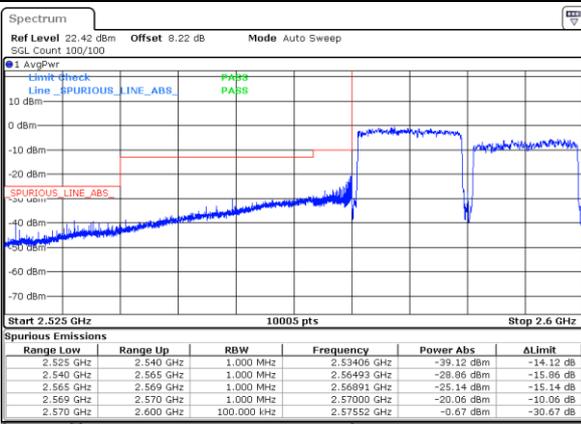
Date: 22.OCT.2021 14:17:21

Highest Band Edge / 1RB74 and 1RB0



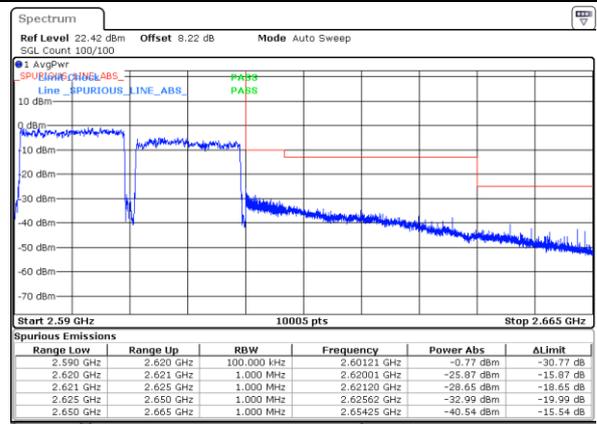
Date: 22.OCT.2021 14:32:56

Lowest Band Edge / Full RB



Date: 22.OCT.2021 14:19:58

Highest Band Edge / Full RB



Date: 22.OCT.2021 14:40:45

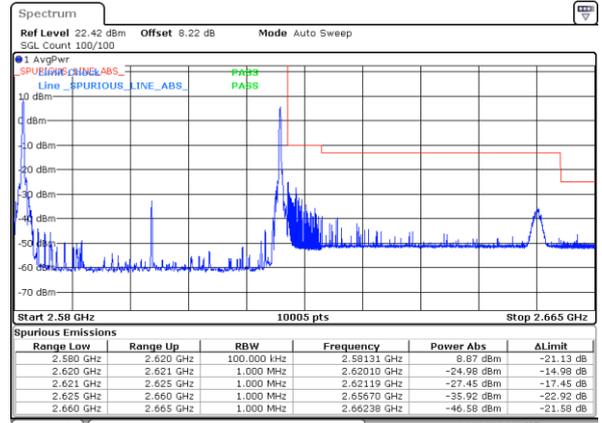
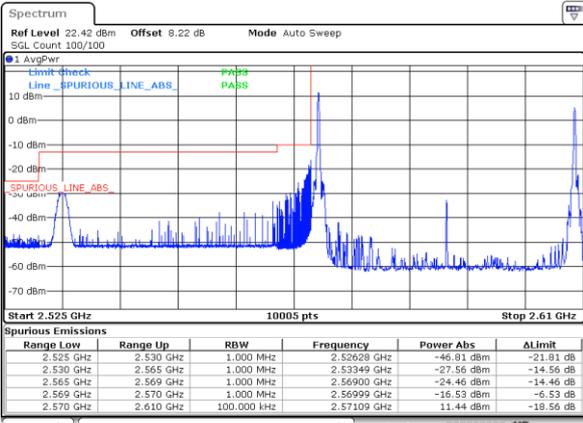


LTE Band 38C / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

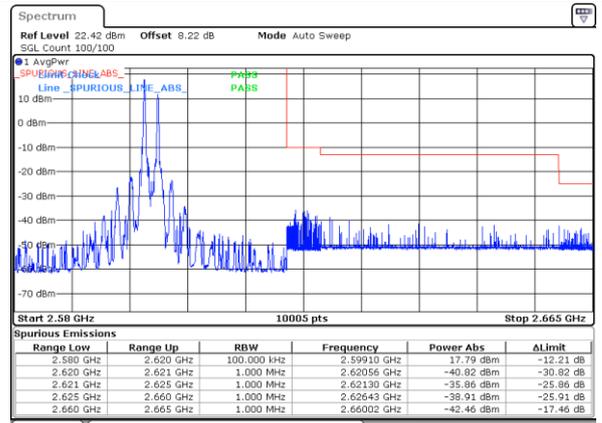
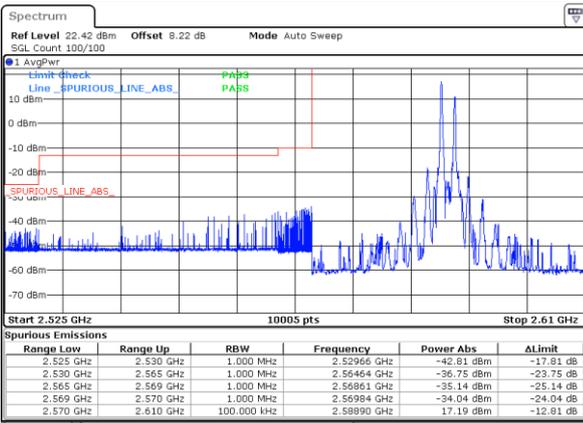


Date: 22.OCT.2021 14:46:47

Date: 22.OCT.2021 15:09:45

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

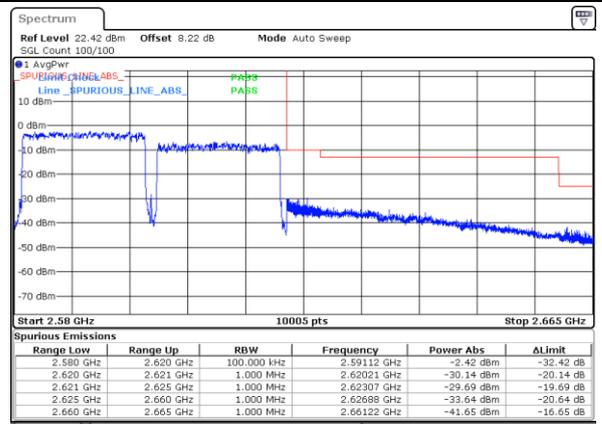
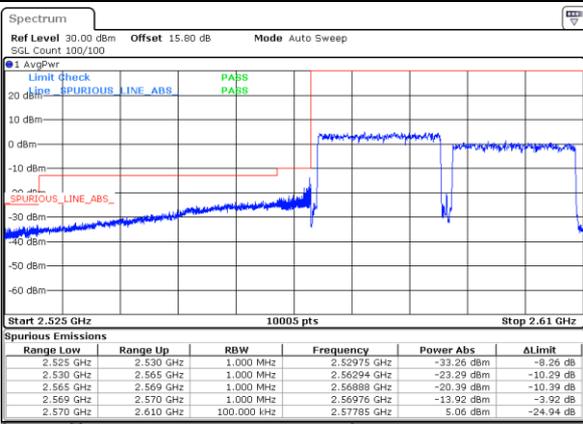


Date: 22.OCT.2021 14:47:18

Date: 22.OCT.2021 15:13:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22.OCT.2021 14:42:27

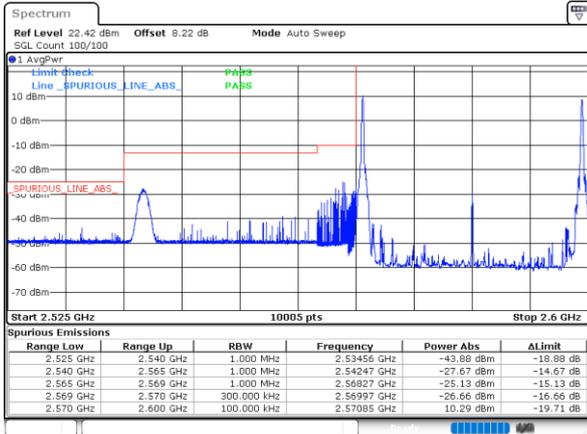
Date: 22.OCT.2021 15:08:34



LTE Band 38C / 15MHz+15MHz

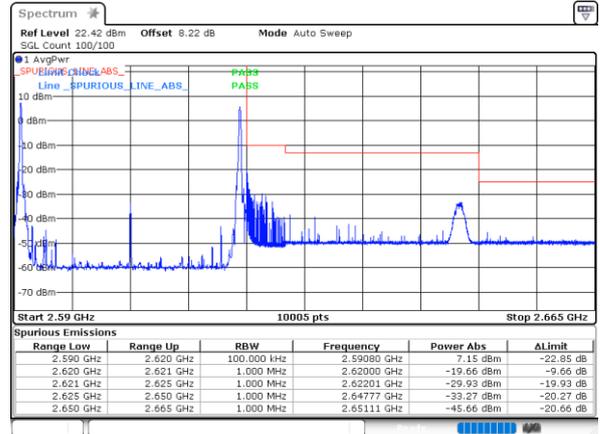
256QAM

Lowest Band Edge / 1RB0 and 1RB74



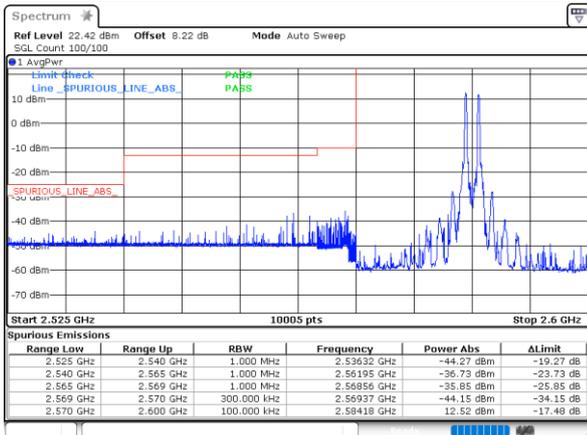
Date: 3.NOV.2021 12:46:26

Highest Band Edge / 1RB0 and 1RB74



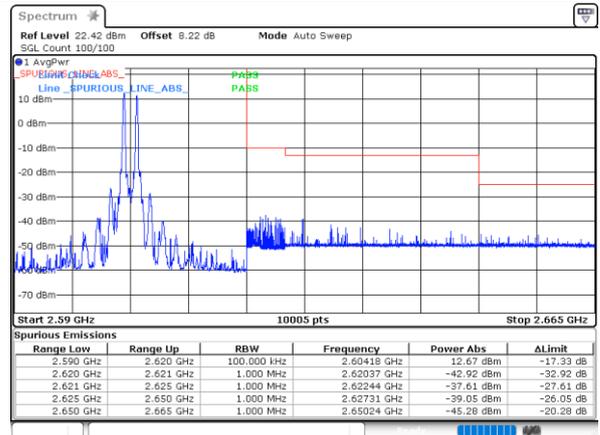
Date: 3.NOV.2021 12:49:50

Lowest Band Edge / 1RB74 and 1RB0



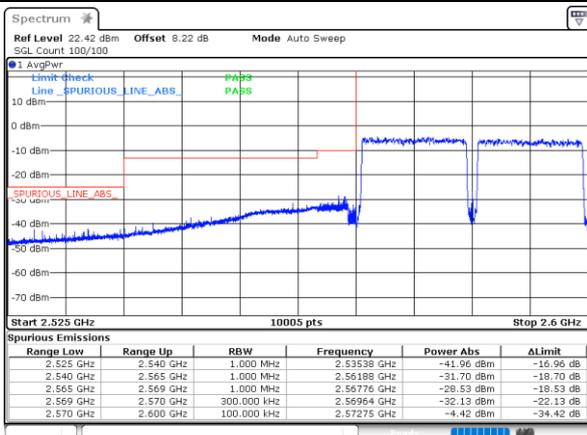
Date: 3.NOV.2021 12:47:25

Highest Band Edge / 1RB74 and 1RB0



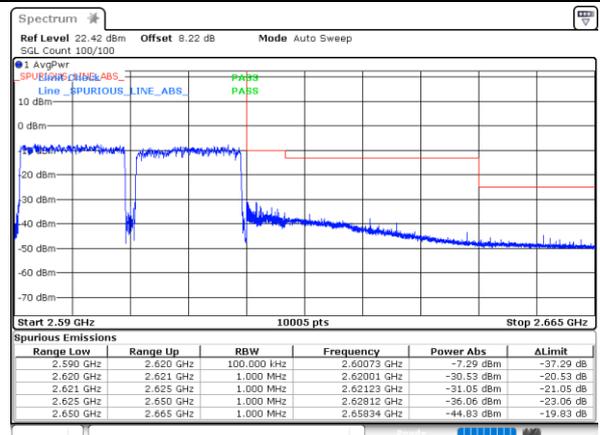
Date: 3.NOV.2021 12:50:48

Lowest Band Edge / Full RB



Date: 3.NOV.2021 12:45:53

Highest Band Edge / Full RB



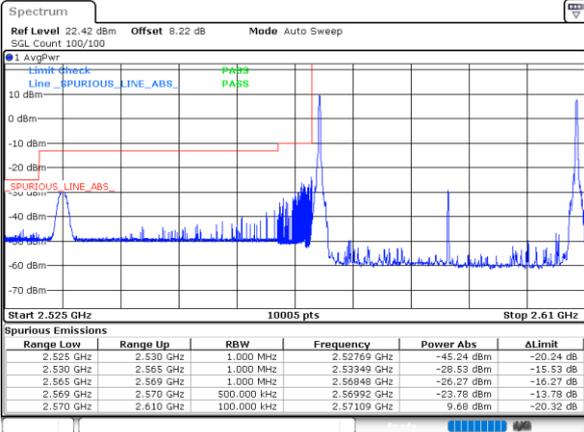
Date: 3.NOV.2021 12:49:11



LTE Band 38C / 20MHz+20MHz

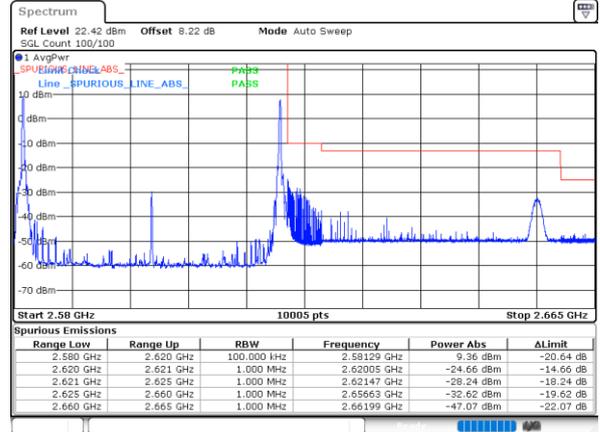
256QAM

Lowest Band Edge / 1RB0 and 1RB9



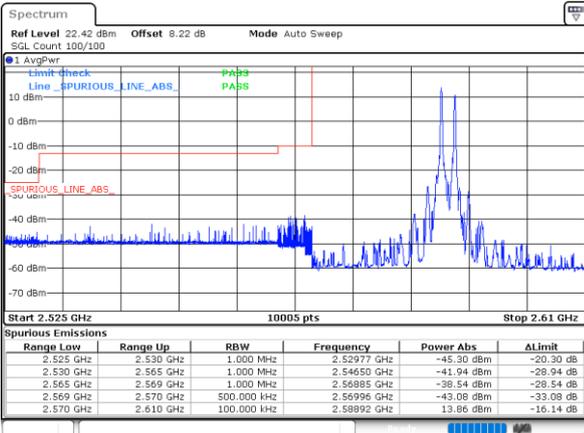
Date: 3.NOV.2021 12:54:45

Highest Band Edge / 1RB0 and 1RB9



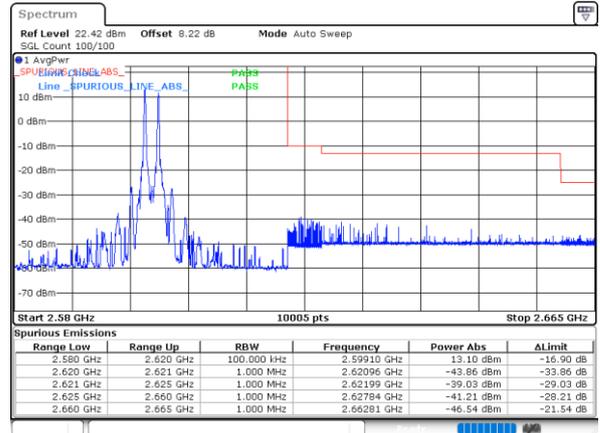
Date: 3.NOV.2021 12:56:04

Lowest Band Edge / 1RB99 and 1RB0



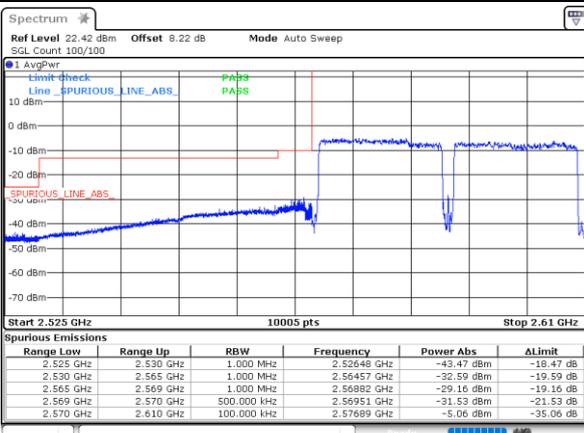
Date: 3.NOV.2021 12:54:21

Highest Band Edge / 1RB99 and 1RB0



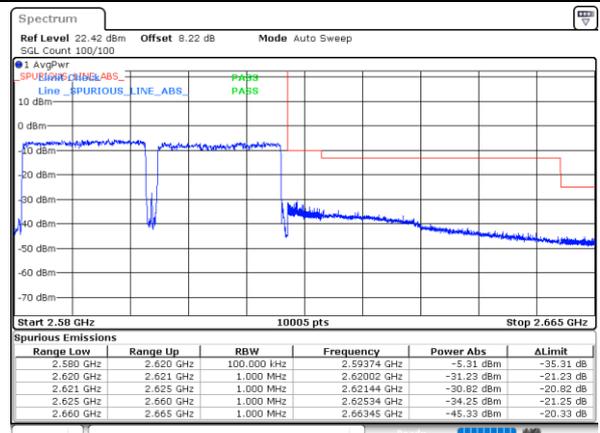
Date: 3.NOV.2021 12:56:29

Lowest Band Edge / Full RB



Date: 3.NOV.2021 12:52:58

Highest Band Edge / Full RB



Date: 3.NOV.2021 12:55:32



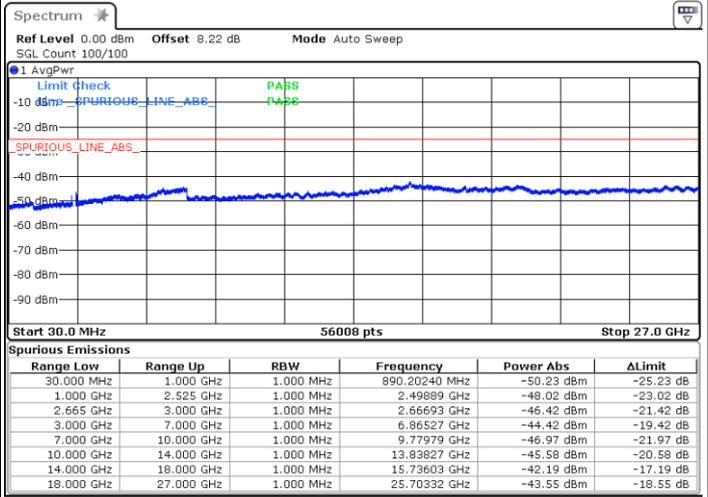
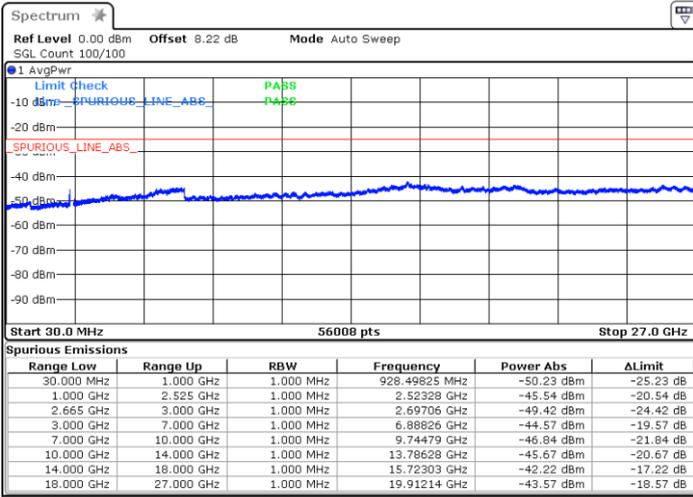
Conducted Spurious Emission

LTE Band 38C / 15MHz+15MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0

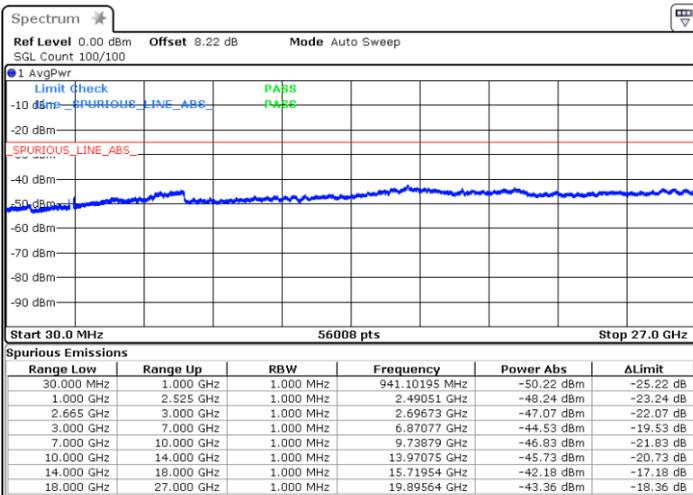


Date: 22.OCT.2021 14:25:39

Date: 22.OCT.2021 14:28:38

Highest Channel / 1RB74 and 1RB0

N/A



Date: 22.OCT.2021 14:31:03

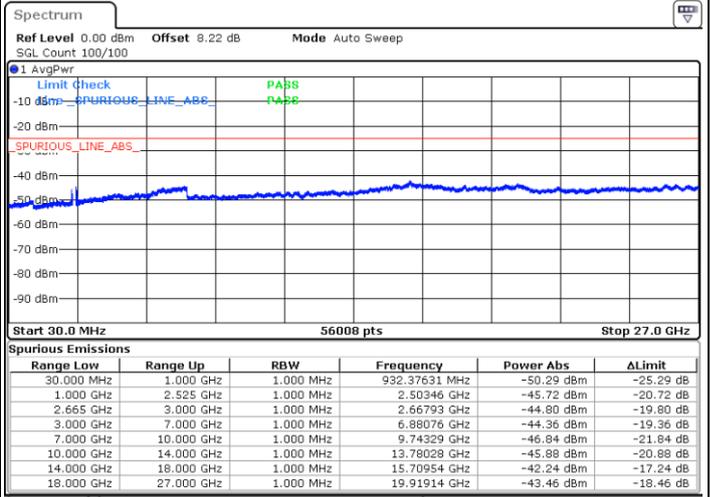
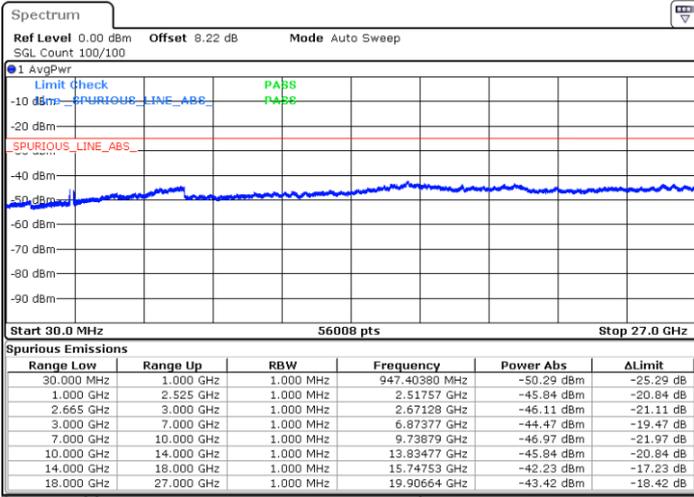


LTE Band 38C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

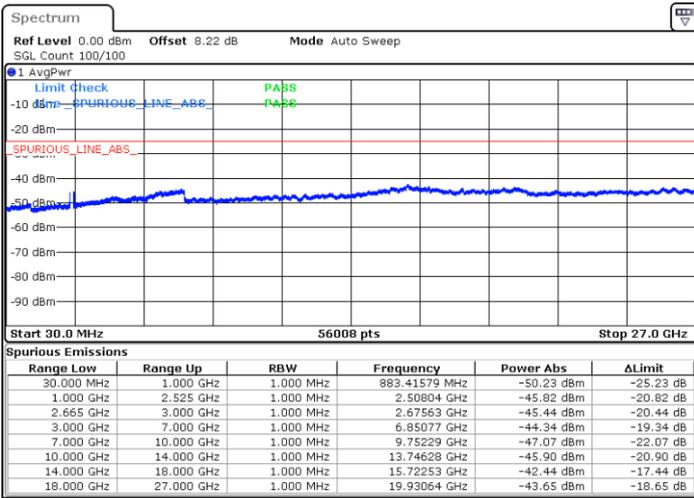


Date: 22.OCT.2021 14:49:23

Date: 22.OCT.2021 14:51:53

Highest Channel / 1RB99 and 1RB0

N/A



Date: 22.OCT.2021 15:12:39



Frequency Stability

Test Conditions		LTE Band 38C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz + 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.005	PASS
40	Normal Voltage	0.021	
30	Normal Voltage	0.006	
20(Ref.)	Normal Voltage	0.010	
10	Normal Voltage	0.024	
0	Normal Voltage	0.010	
-10	Normal Voltage	0.026	
-20	Normal Voltage	0.018	
-30	Normal Voltage	0.012	
20	Maximum Voltage	0.005	
20	Normal Voltage	0.024	
20	Battery End Point	0.018	

Note:

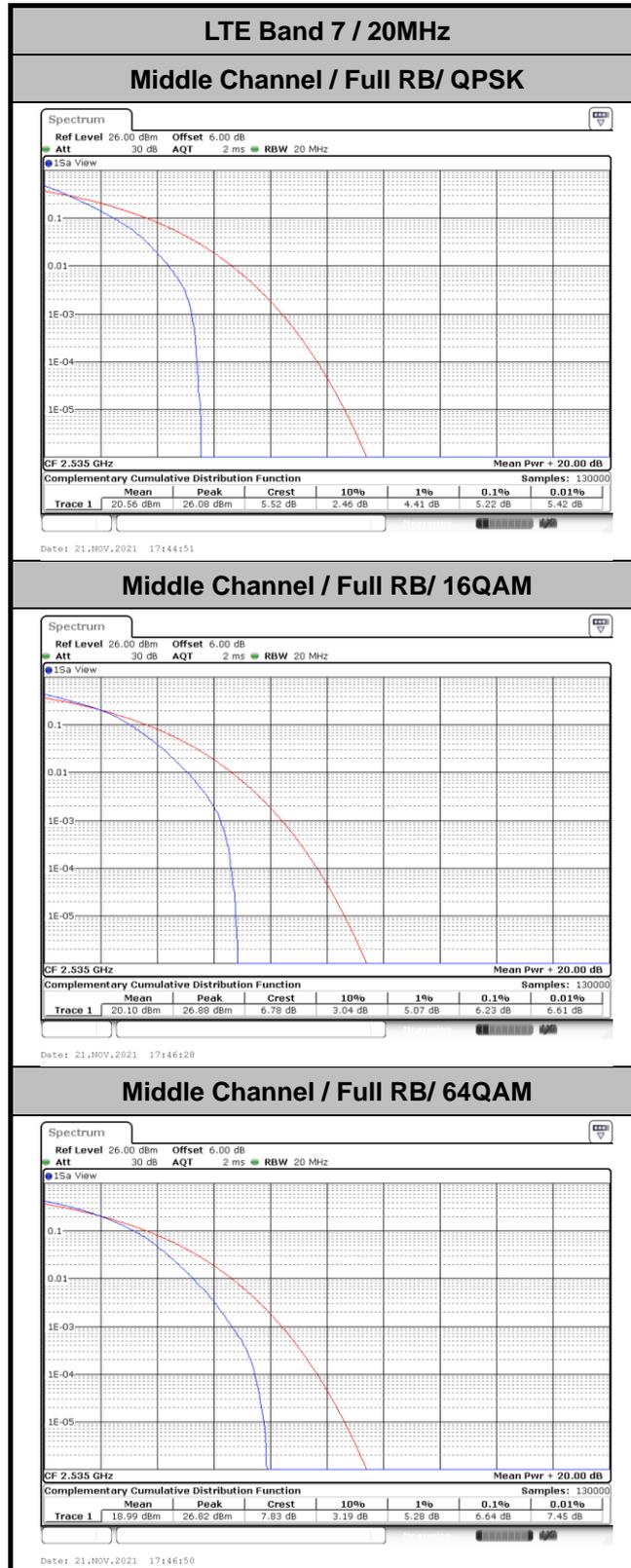
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

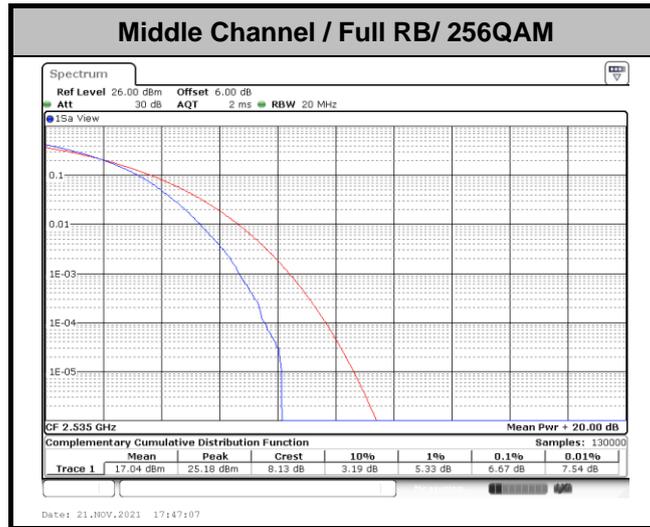


LTE Band 7-PA2

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	5.22	6.23	6.64	6.67	PASS

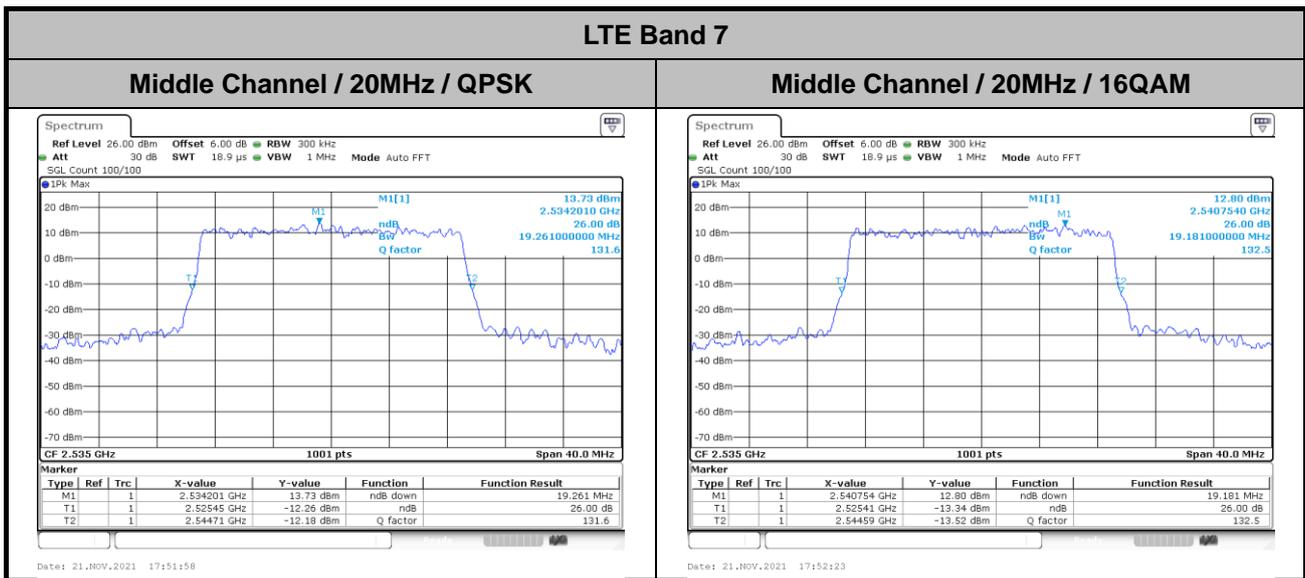






26dB Bandwidth

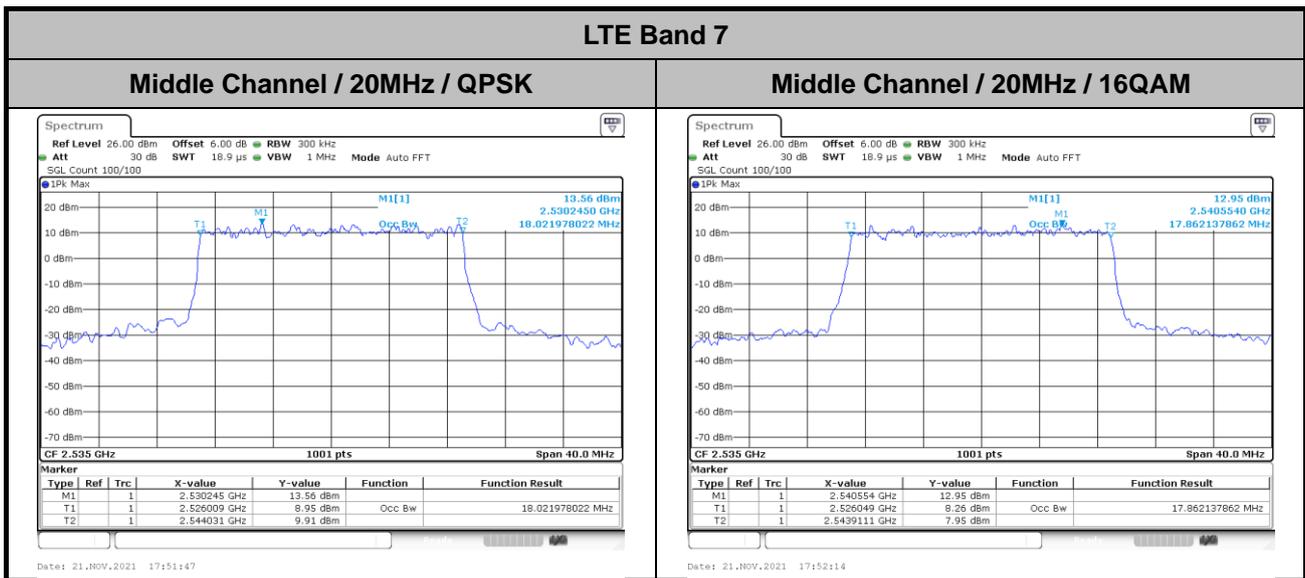
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.26	19.18





Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.02	17.06

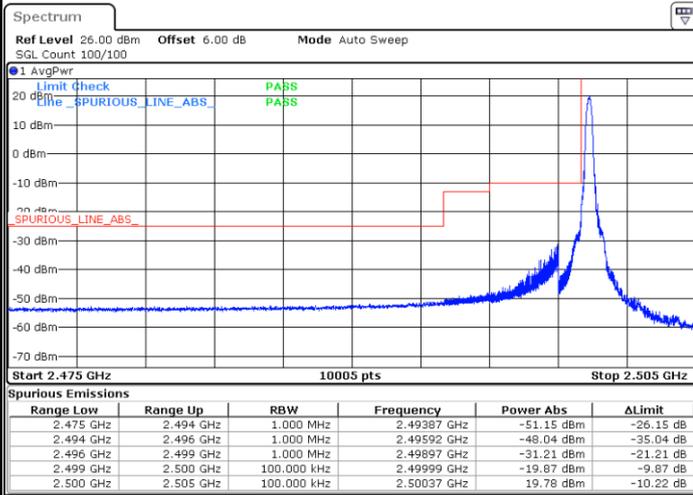




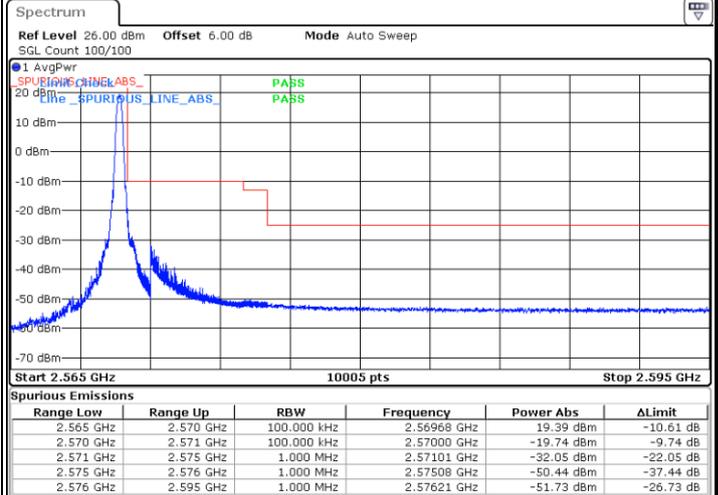
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

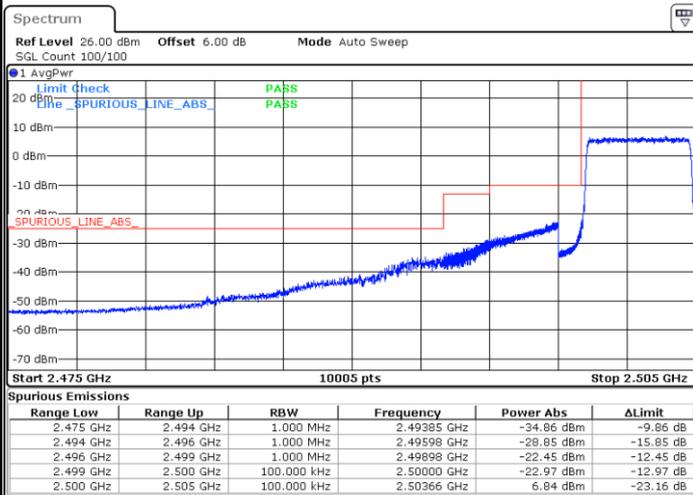
Lowest Band Edge / 1 RB



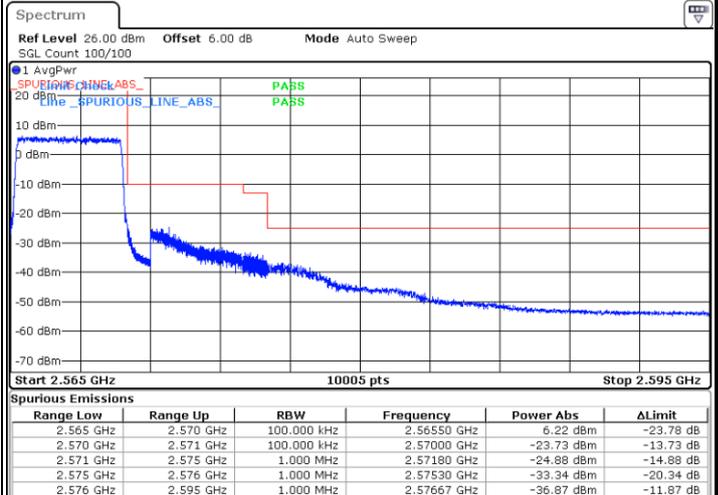
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



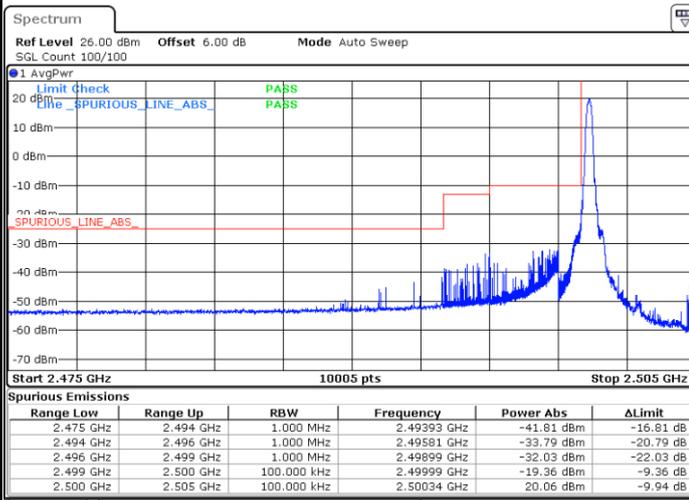
Highest Band Edge / Full RB





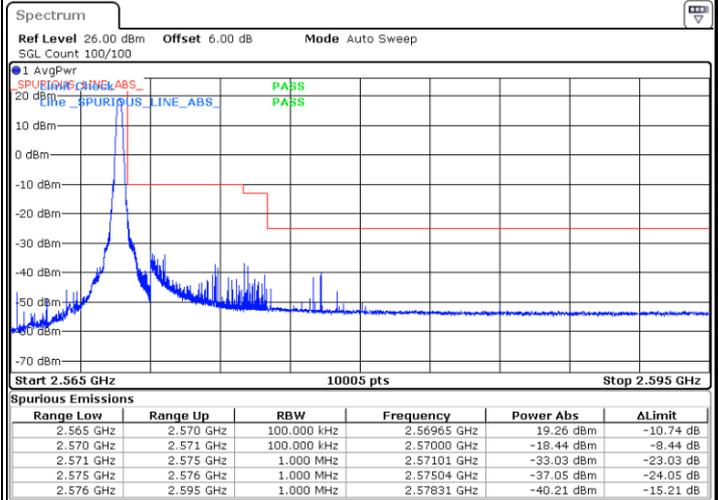
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



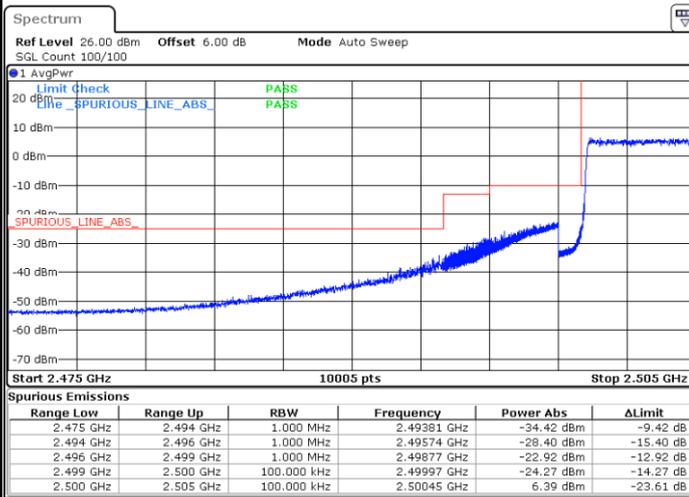
Date: 21.NOV.2021 19:20:08

Highest Band Edge / 1 RB



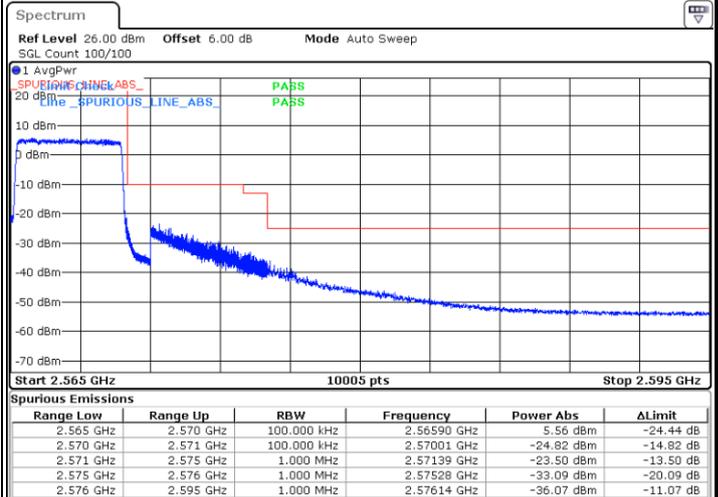
Date: 21.NOV.2021 19:25:42

Lowest Band Edge / Full RB



Date: 21.NOV.2021 19:21:35

Highest Band Edge / Full RB

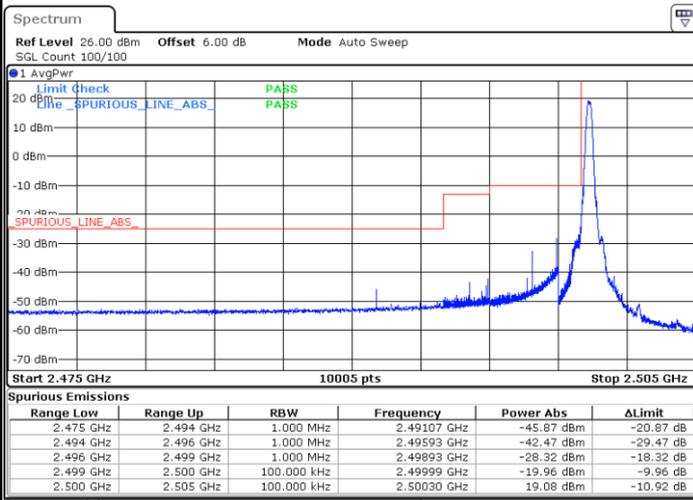


Date: 21.NOV.2021 19:23:22



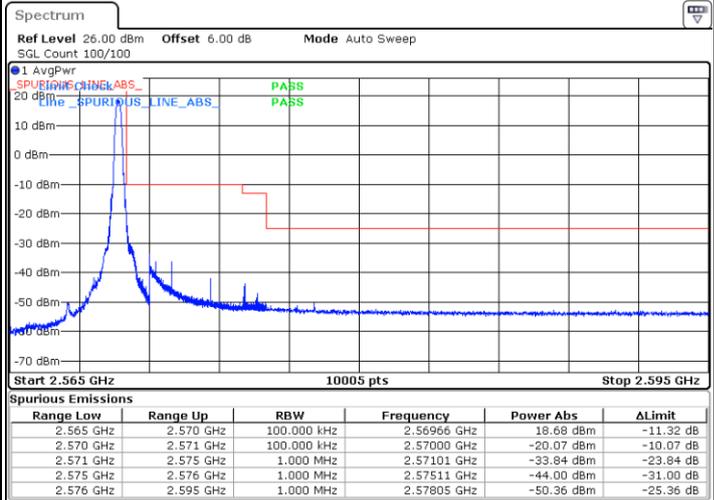
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



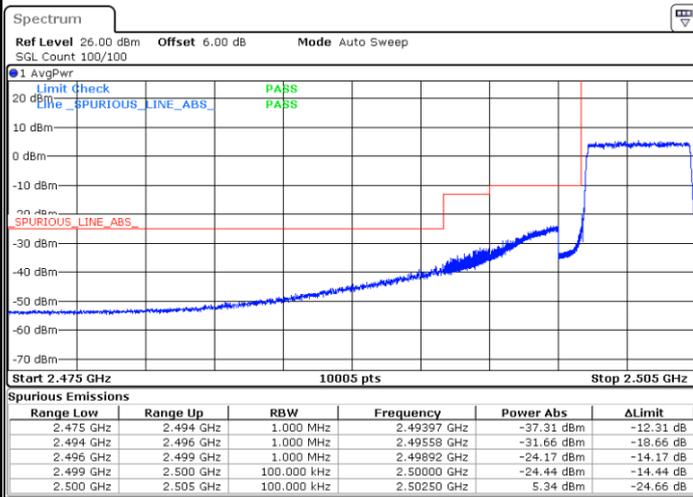
Date: 21.NOV.2021 19:20:26

Highest Band Edge / 1 RB



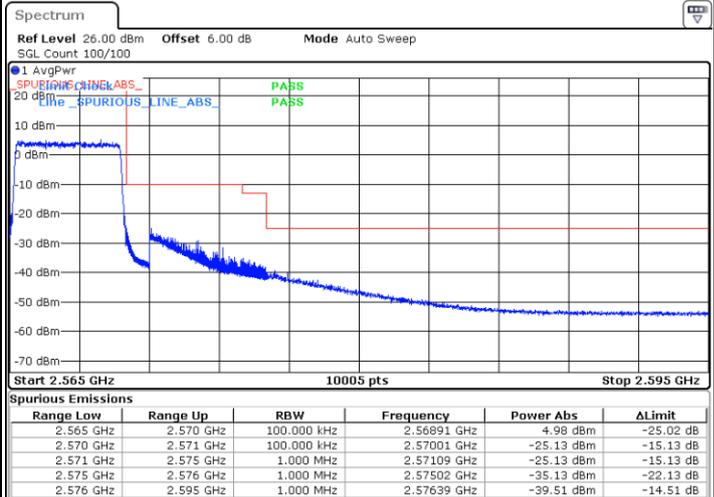
Date: 21.NOV.2021 19:31:43

Lowest Band Edge / Full RB



Date: 21.NOV.2021 19:21:50

Highest Band Edge / Full RB

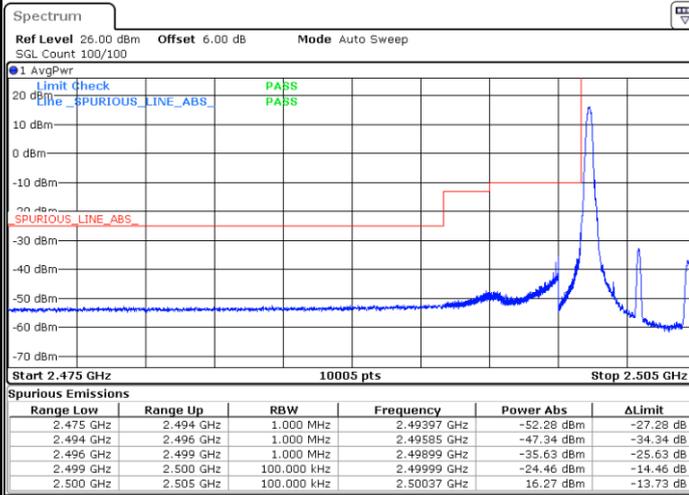


Date: 21.NOV.2021 19:23:37



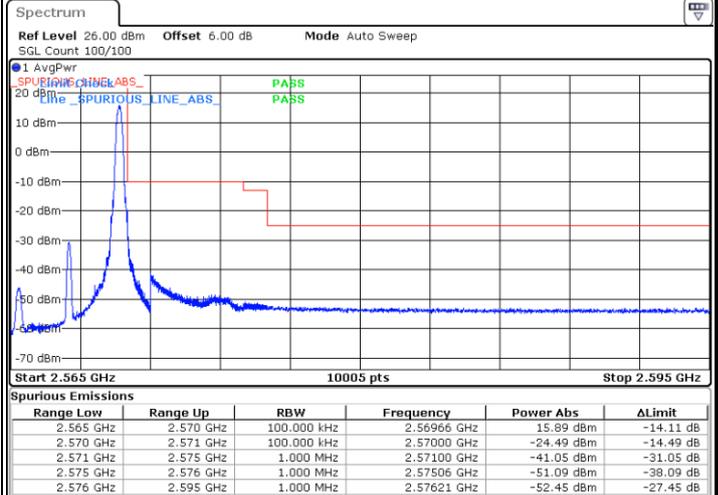
LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB



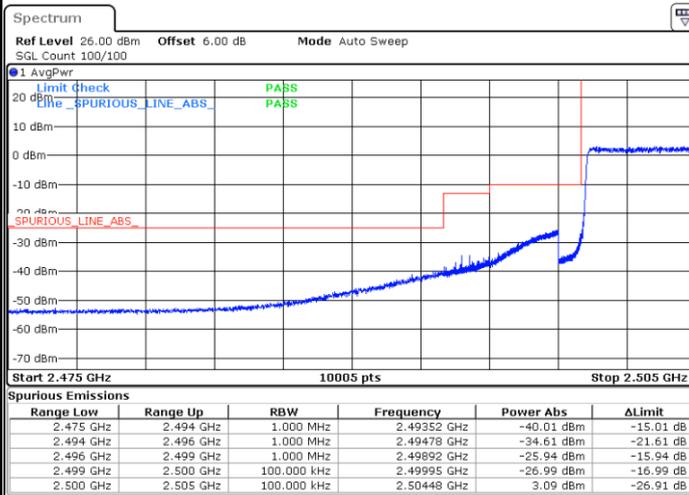
Date: 21.NOV.2021 19:20:46

Highest Band Edge / 1 RB



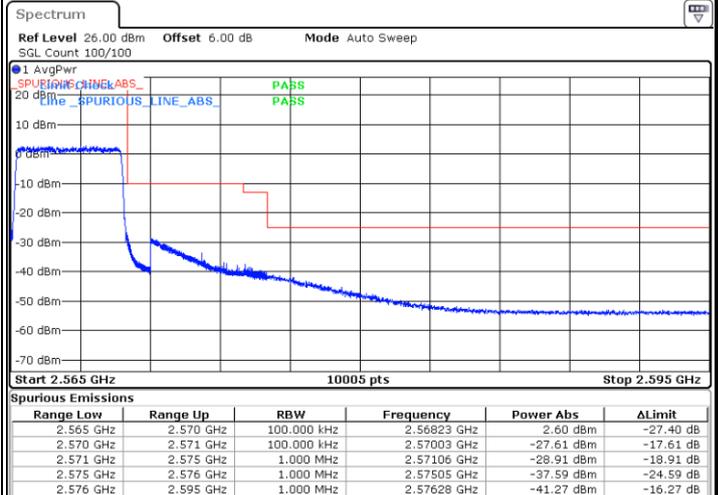
Date: 21.NOV.2021 19:32:03

Lowest Band Edge / Full RB



Date: 21.NOV.2021 19:22:07

Highest Band Edge / Full RB



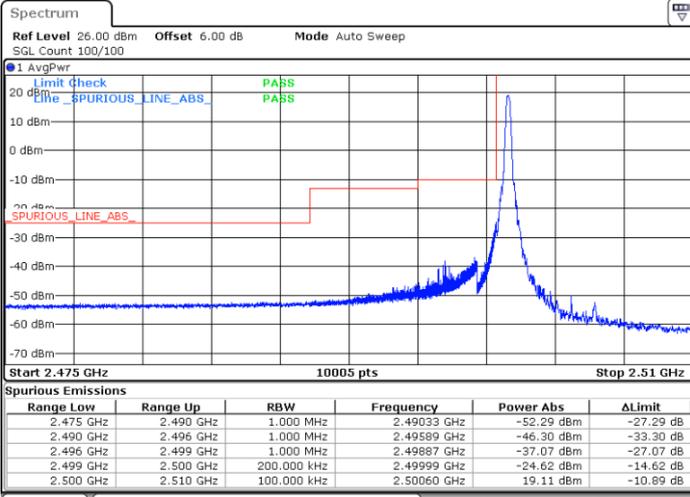
Date: 21.NOV.2021 19:23:52



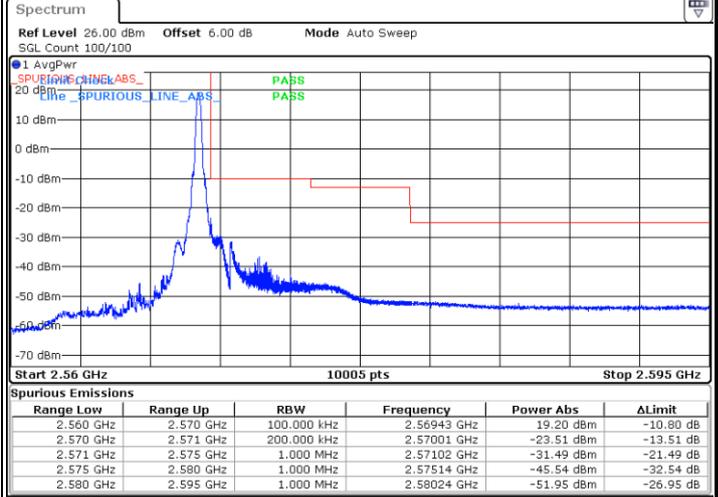
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



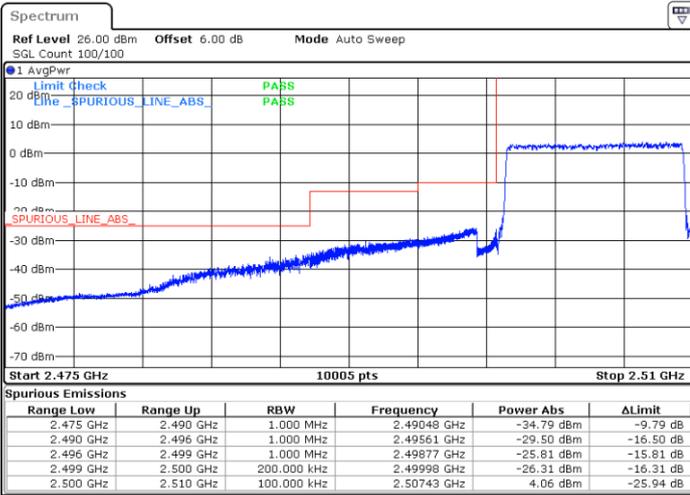
Date: 21.NOV.2021 19:01:53



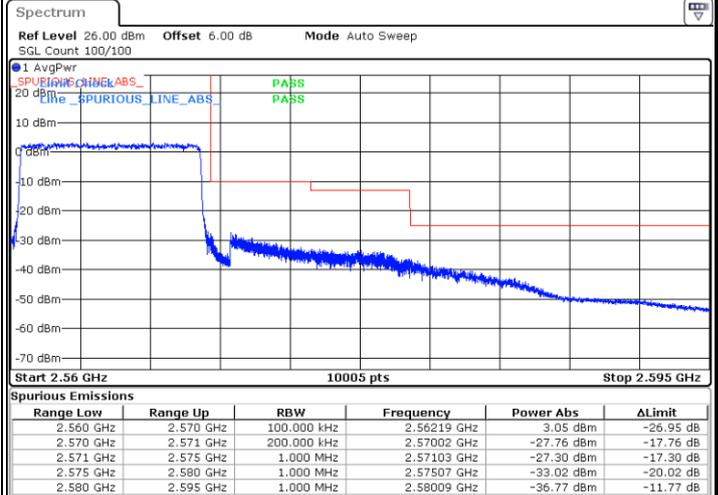
Date: 21.NOV.2021 19:08:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.NOV.2021 19:04:02



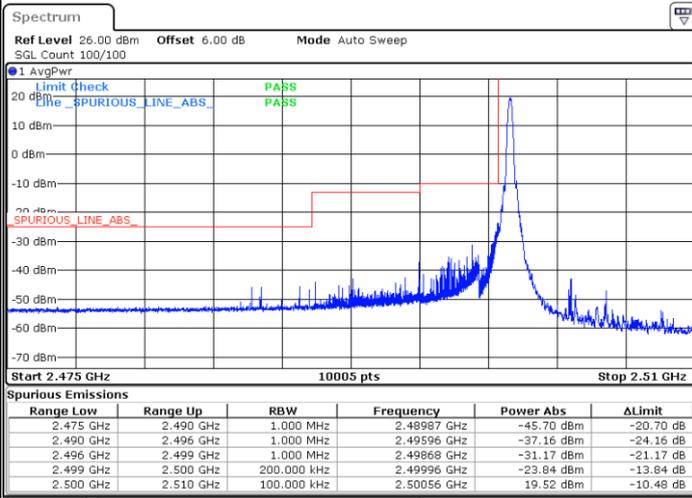
Date: 21.NOV.2021 19:06:10



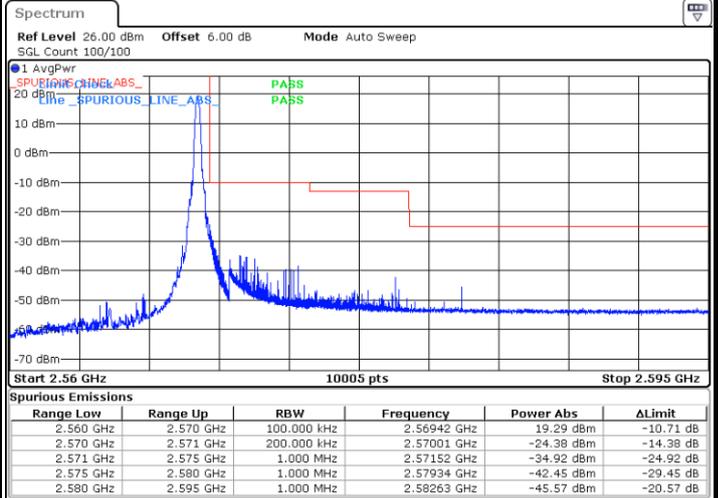
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



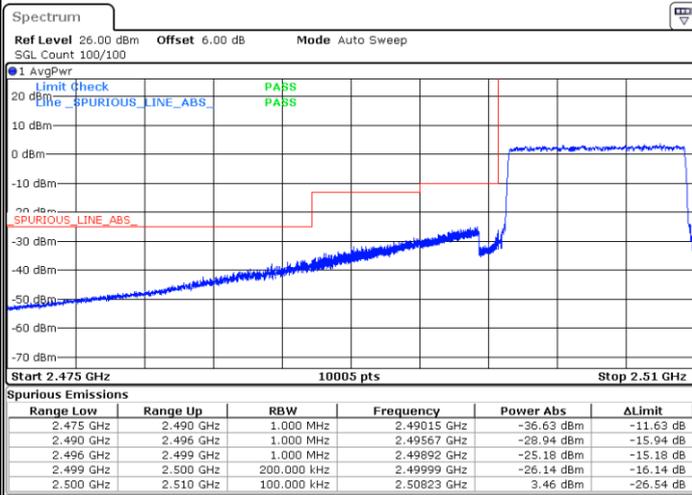
Date: 21.NOV.2021 19:02:17



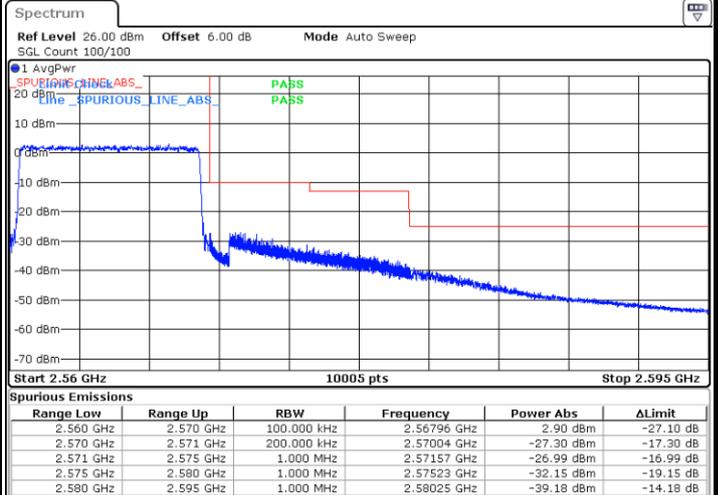
Date: 21.NOV.2021 19:09:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.NOV.2021 19:04:21

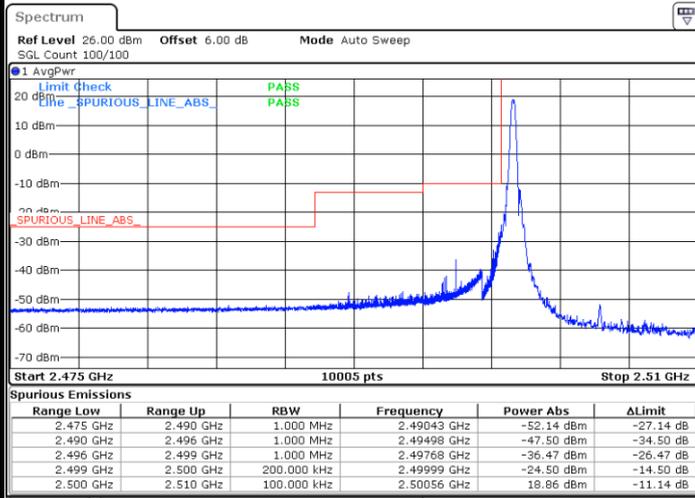


Date: 21.NOV.2021 19:06:37



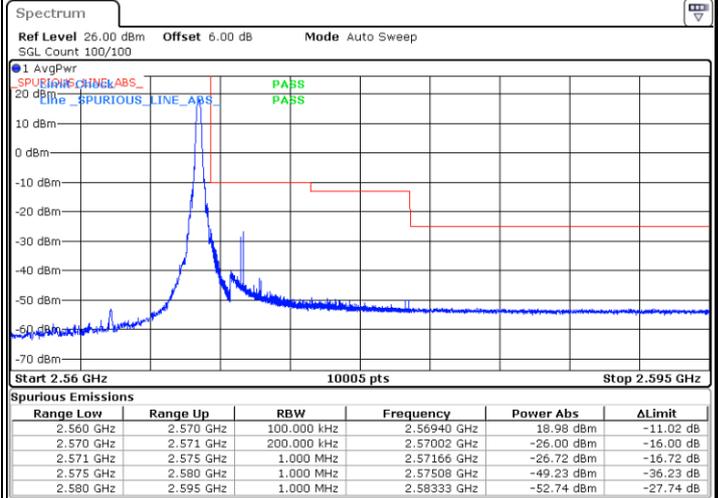
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



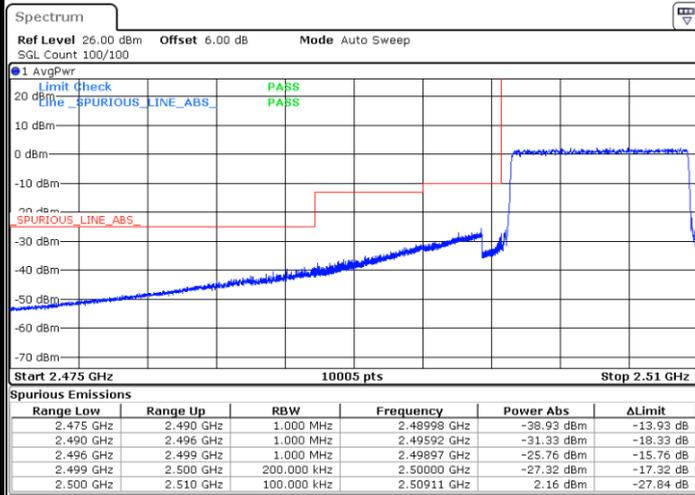
Date: 21.NOV.2021 19:02:37

Highest Band Edge / 1 RB



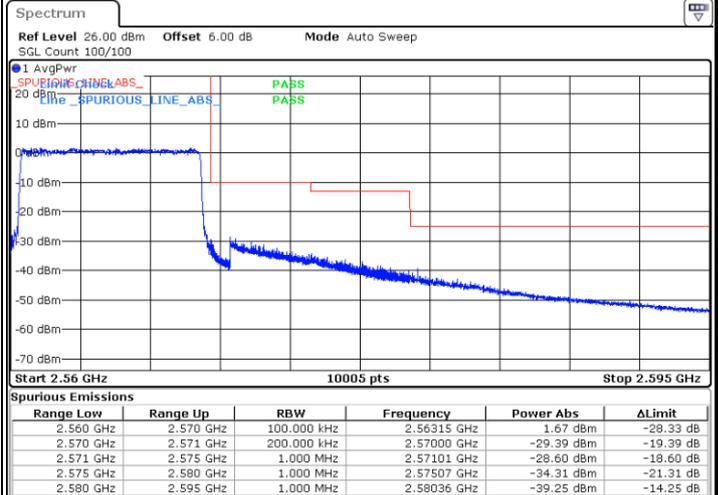
Date: 21.NOV.2021 19:09:20

Lowest Band Edge / Full RB



Date: 21.NOV.2021 19:04:41

Highest Band Edge / Full RB



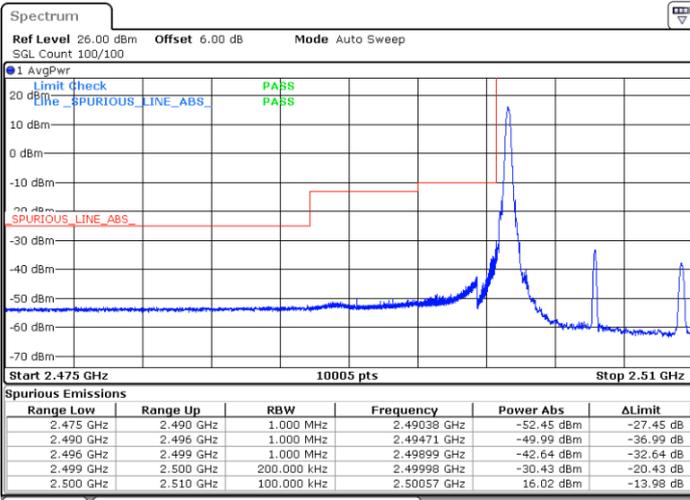
Date: 21.NOV.2021 19:07:24



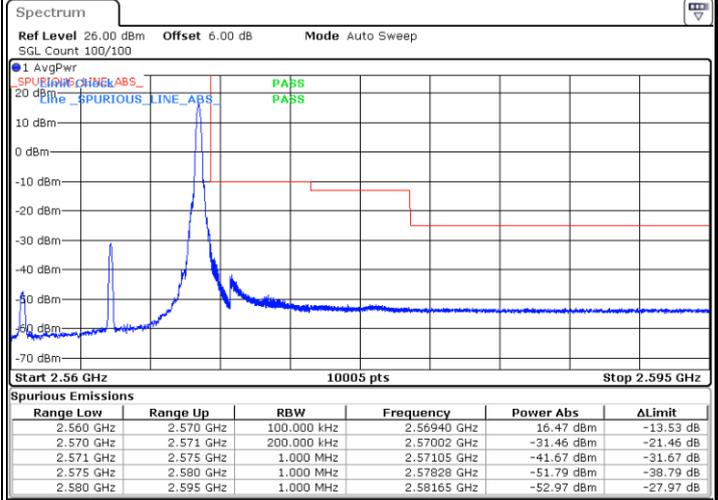
LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



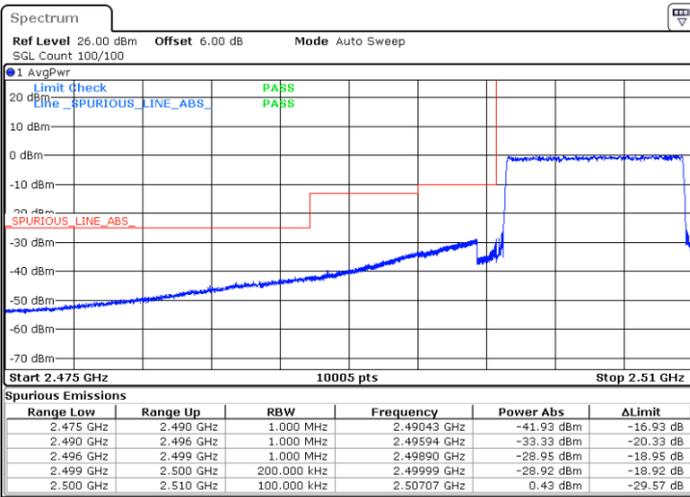
Date: 21.NOV.2021 19:03:05



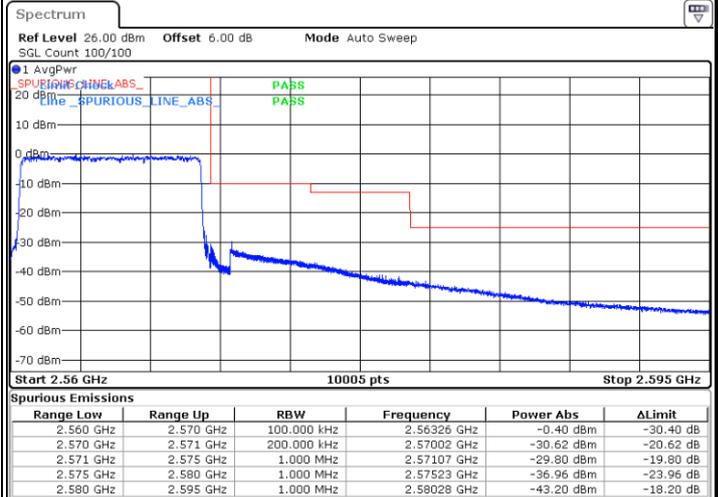
Date: 21.NOV.2021 19:09:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.NOV.2021 19:05:05

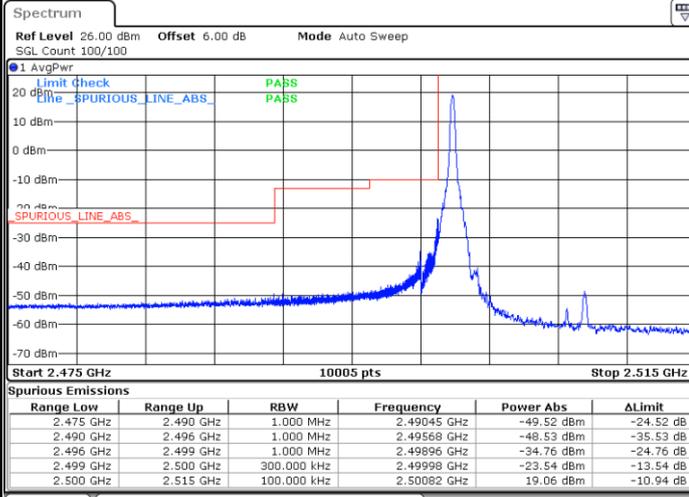


Date: 21.NOV.2021 19:07:48



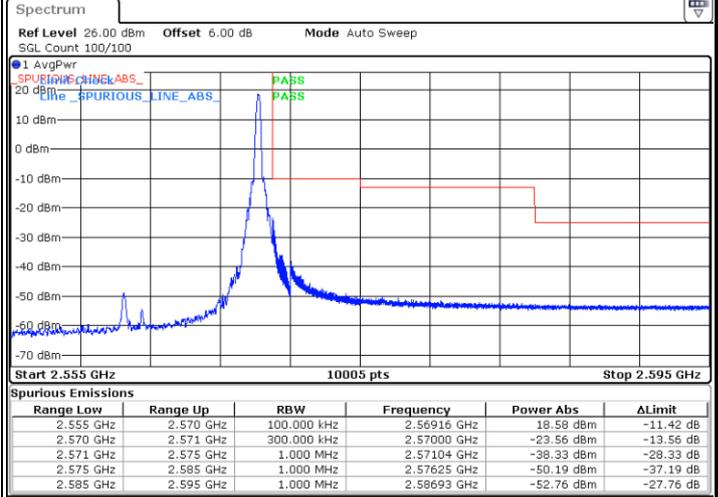
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



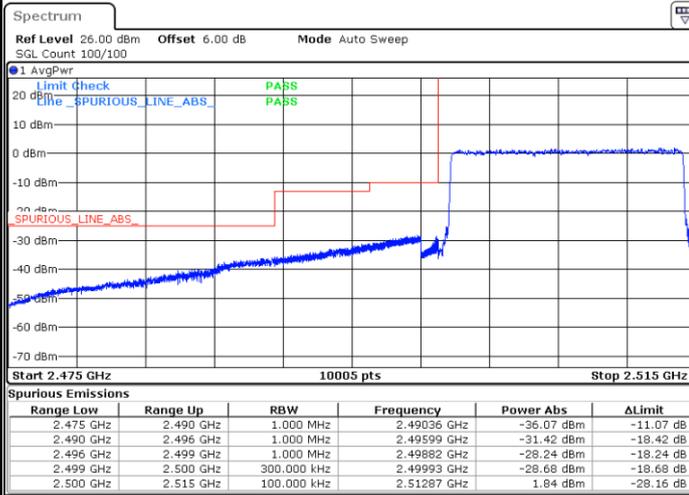
Date: 21.NOV.2021 18:42:17

Highest Band Edge / 1 RB



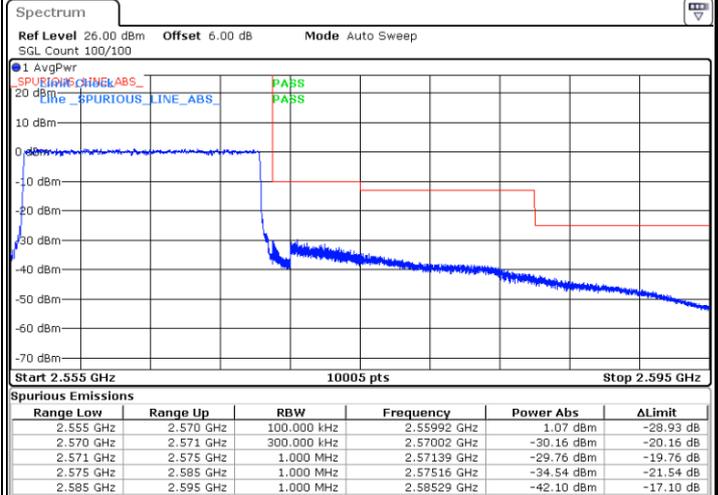
Date: 21.NOV.2021 18:55:50

Lowest Band Edge / Full RB



Date: 21.NOV.2021 18:46:09

Highest Band Edge / Full RB

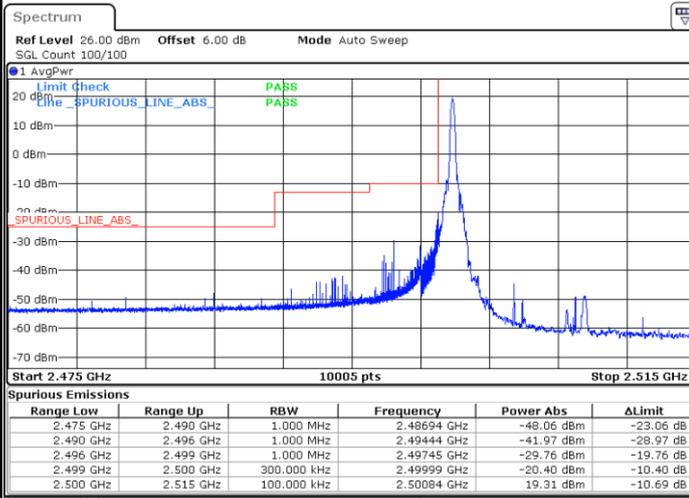


Date: 21.NOV.2021 18:48:39



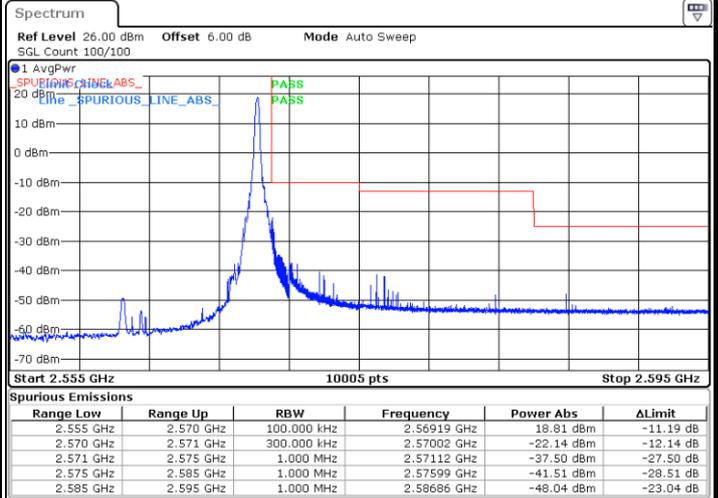
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



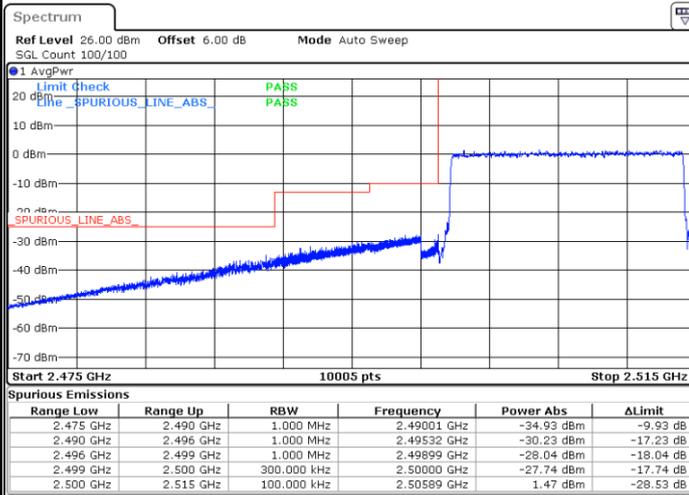
Date: 21.NOV.2021 18:42:57

Highest Band Edge / 1 RB



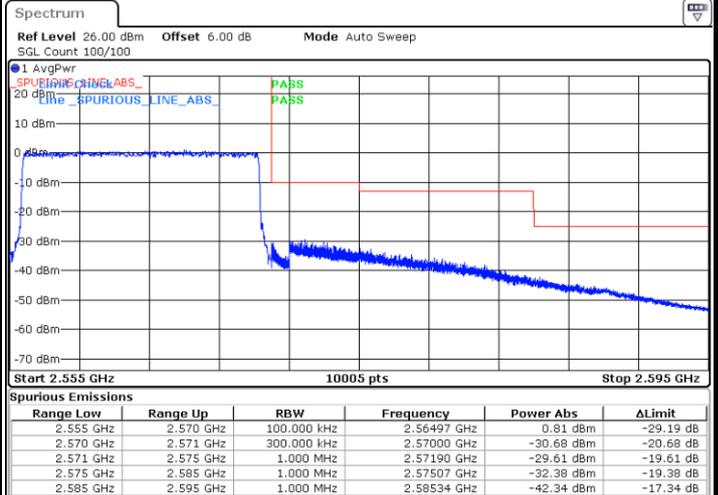
Date: 21.NOV.2021 18:56:07

Lowest Band Edge / Full RB



Date: 21.NOV.2021 18:46:26

Highest Band Edge / Full RB

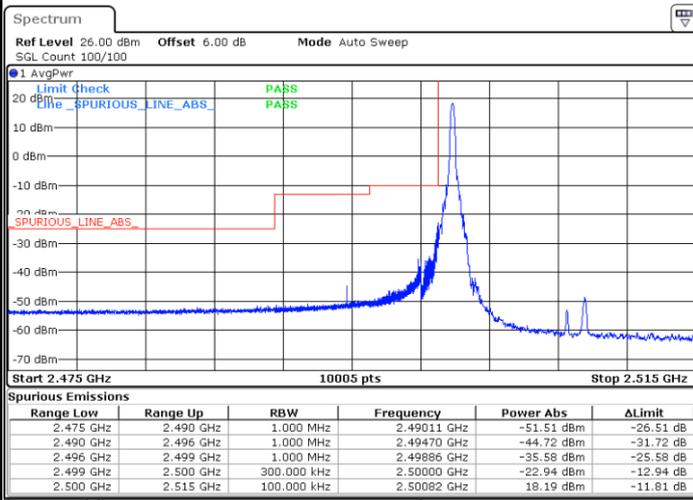


Date: 21.NOV.2021 18:48:57



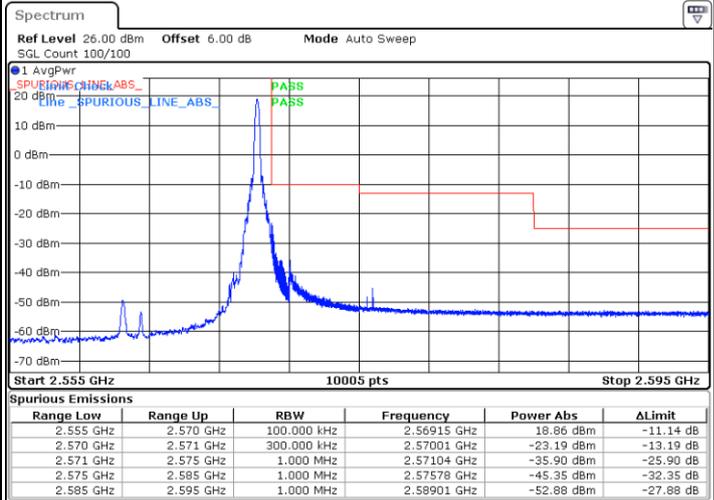
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



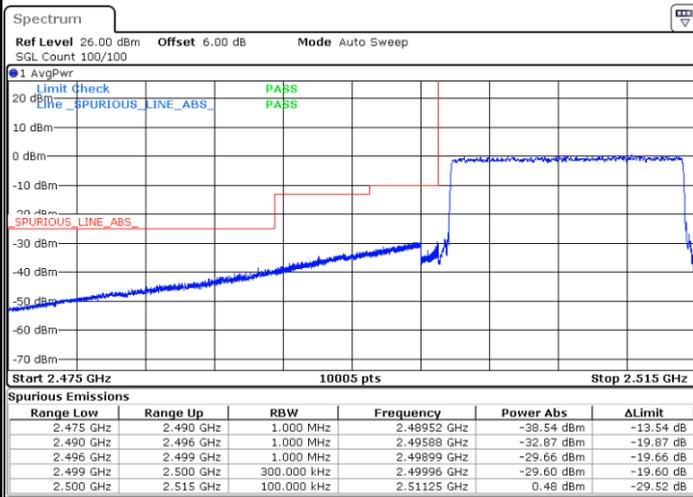
Date: 21.NOV.2021 18:43:21

Highest Band Edge / 1 RB



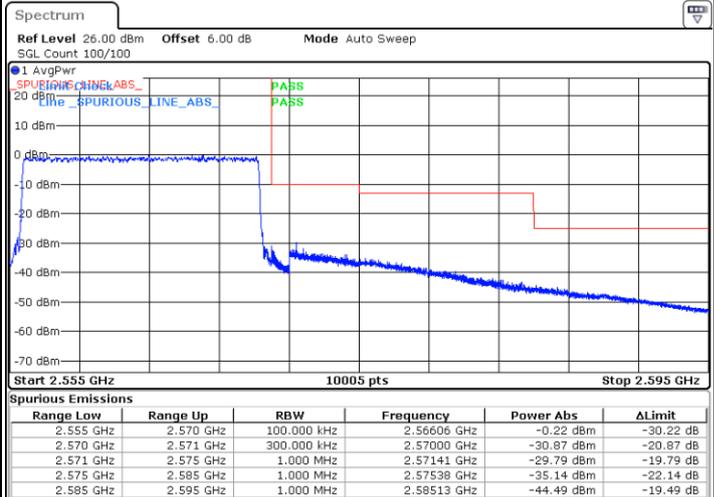
Date: 21.NOV.2021 18:56:22

Lowest Band Edge / Full RB



Date: 21.NOV.2021 18:46:58

Highest Band Edge / Full RB

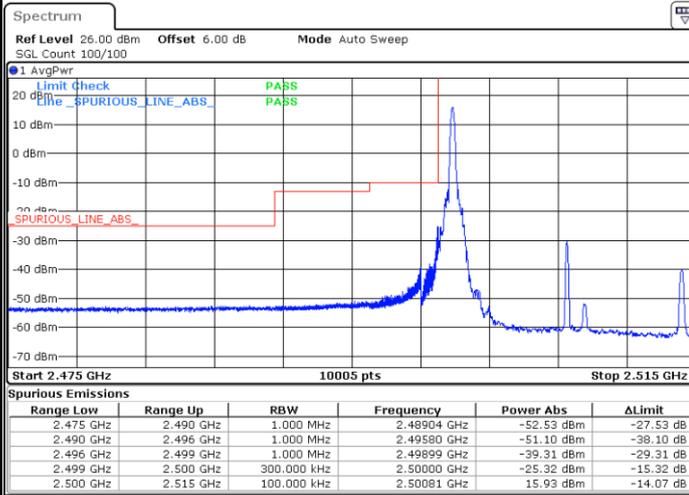


Date: 21.NOV.2021 18:49:12



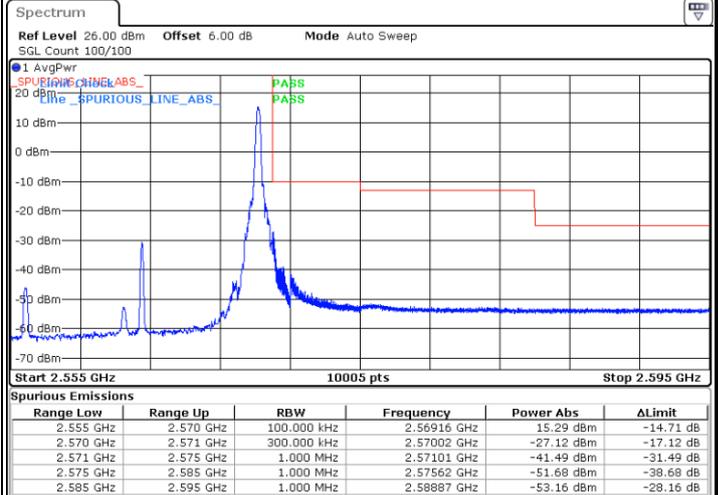
LTE Band 7 / 15MHz / 256QAM

Lowest Band Edge / 1RB



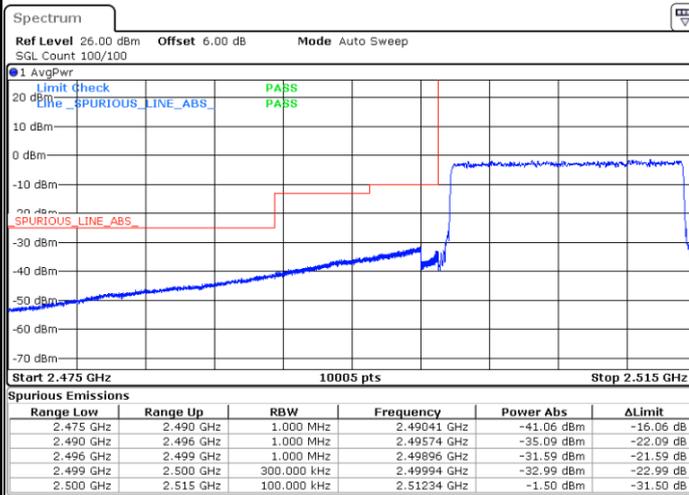
Date: 21.NOV.2021 18:43:40

Highest Band Edge / 1 RB



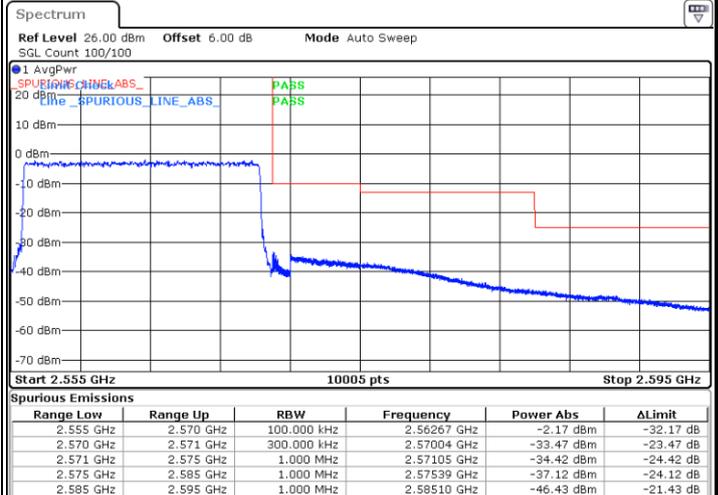
Date: 21.NOV.2021 18:56:46

Lowest Band Edge / Full RB



Date: 21.NOV.2021 18:47:26

Highest Band Edge / Full RB

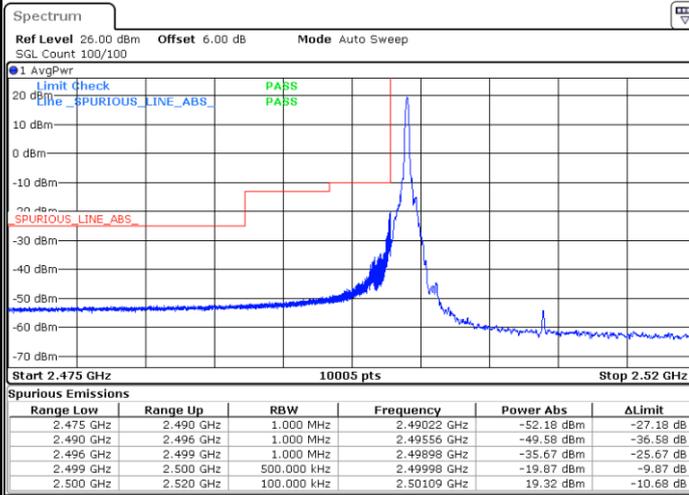


Date: 21.NOV.2021 18:49:29

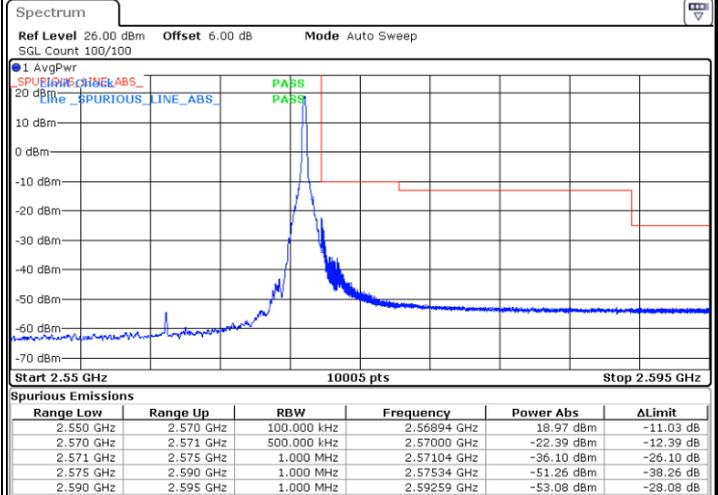


LTE Band 7 / 20MHz / QPSK

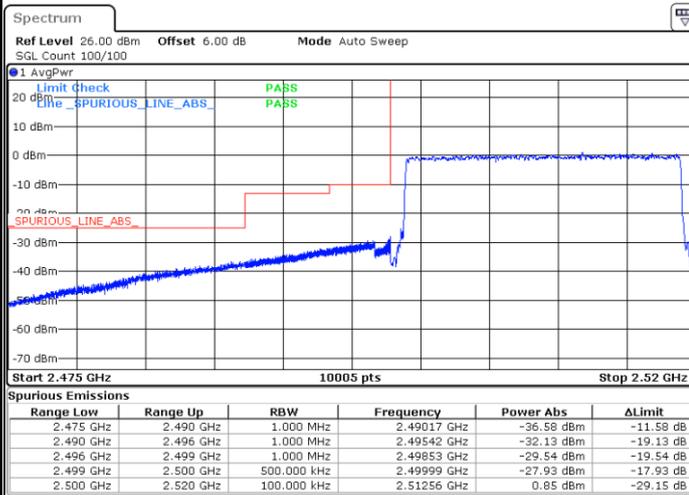
Lowest Band Edge / 1 RB



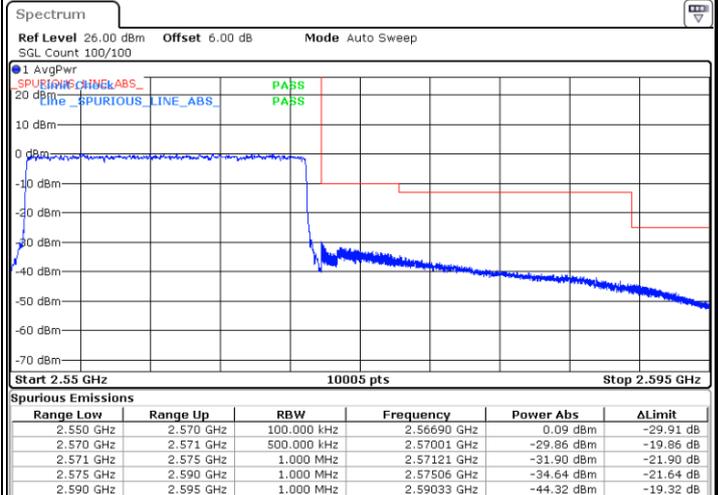
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

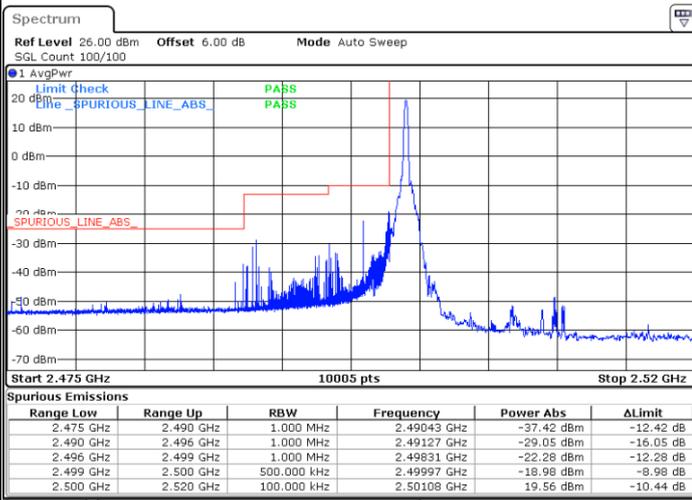




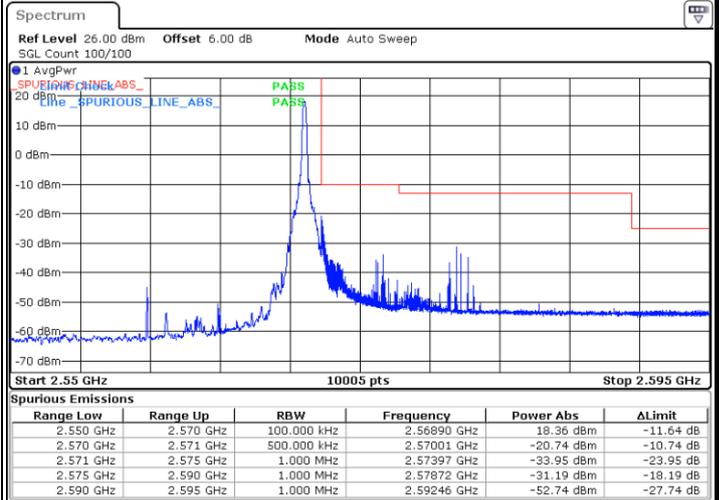
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



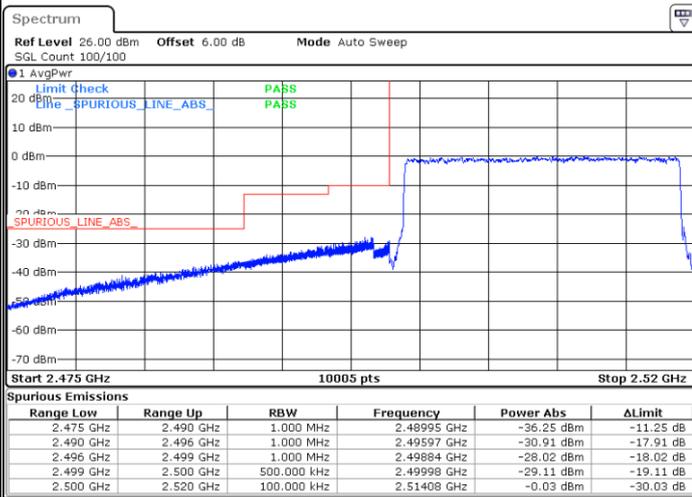
Date: 21.NOV.2021 18:04:58



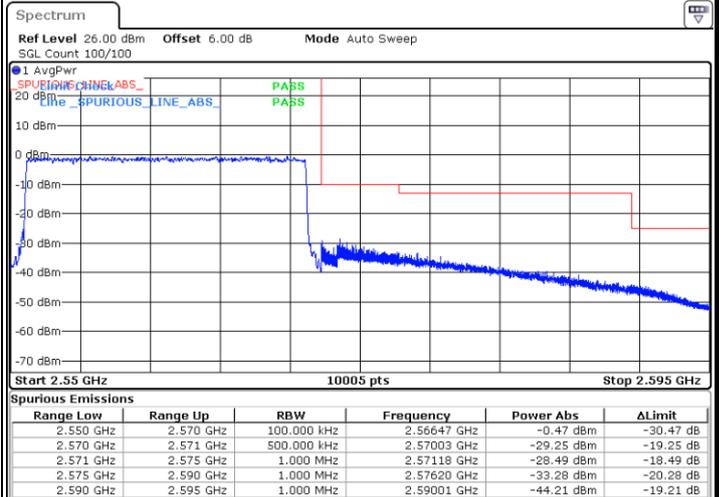
Date: 21.NOV.2021 18:09:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.NOV.2021 18:06:44



Date: 21.NOV.2021 18:08:23