



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0002	

Note:

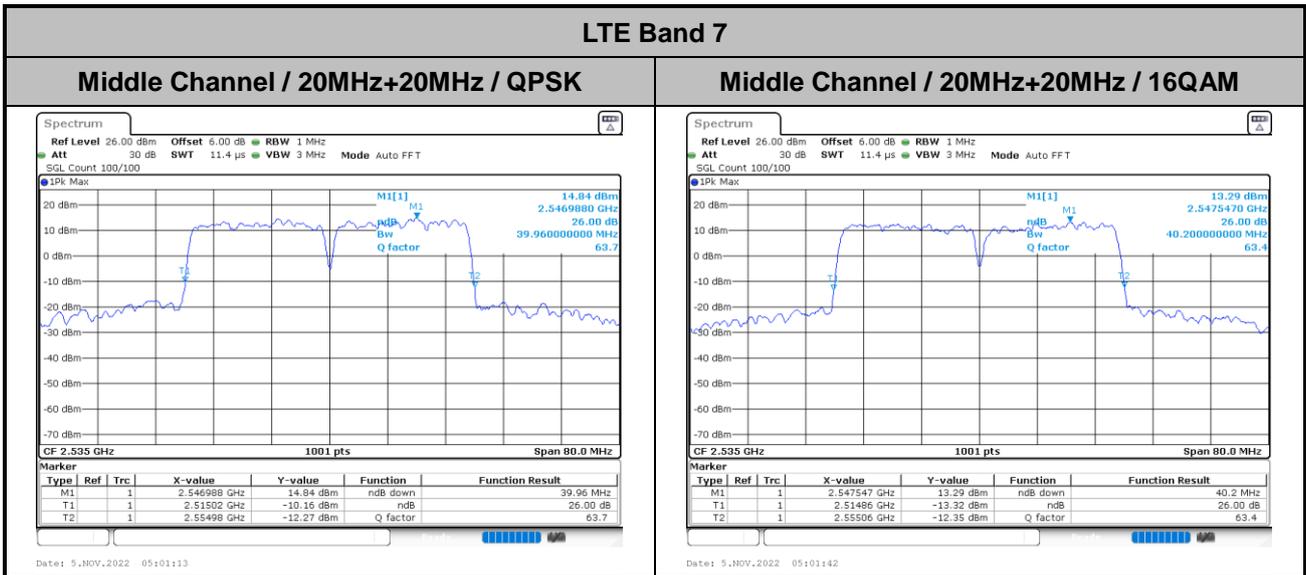
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.25 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7C(Main PA)

26dB Bandwidth

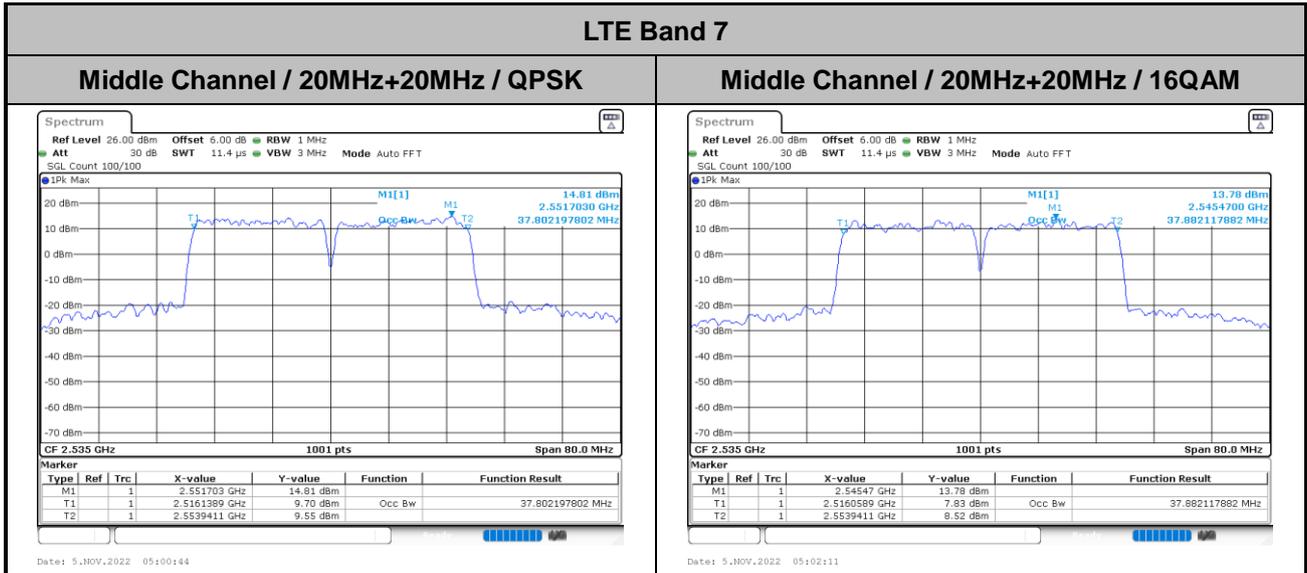
Mode	LTE Band 7c : 26dB BW(MHz)	
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	39.96	40.20





Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	37.80	37.88



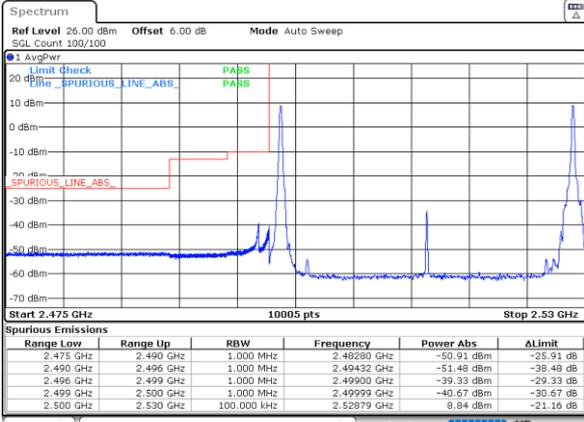


Conducted Band Edge

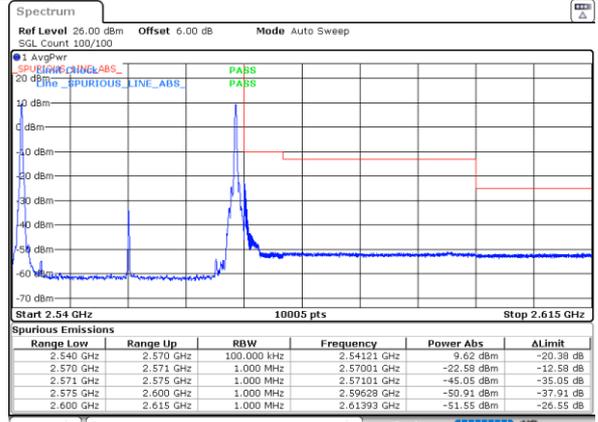
LTE Band 7 / 10MHz+20MHz

QPSK

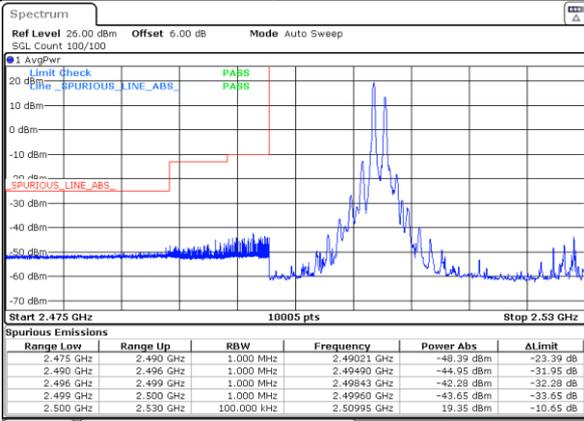
Lowest Band Edge / 1RB0 and 1RB9



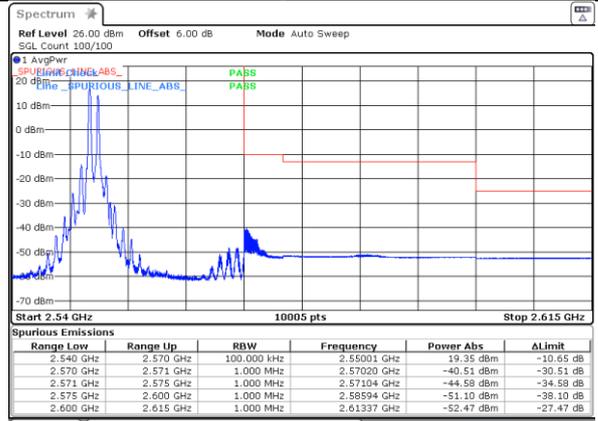
Highest Band Edge / 1RB0 and 1RB9



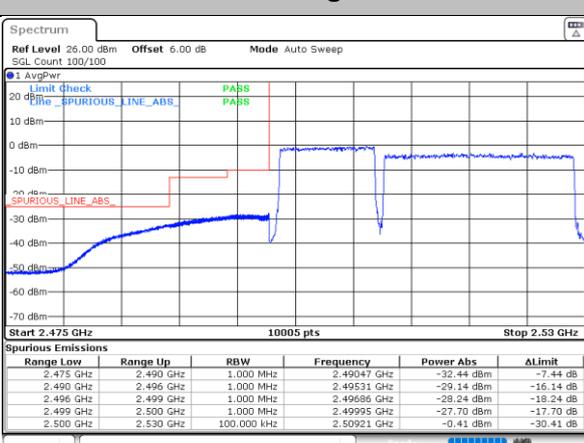
Lowest Band Edge / 1RB49 and 1RB0



Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

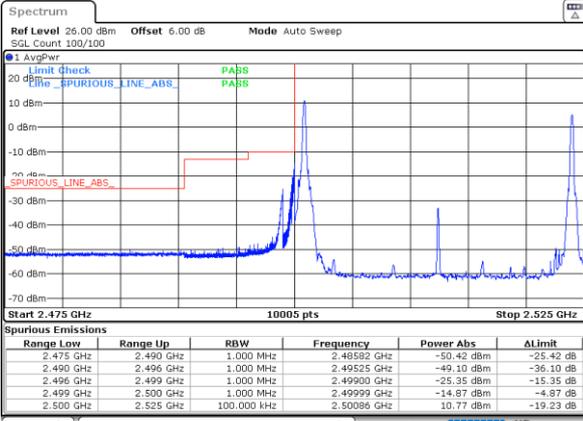




LTE Band 7 / 15MHz+10MHz

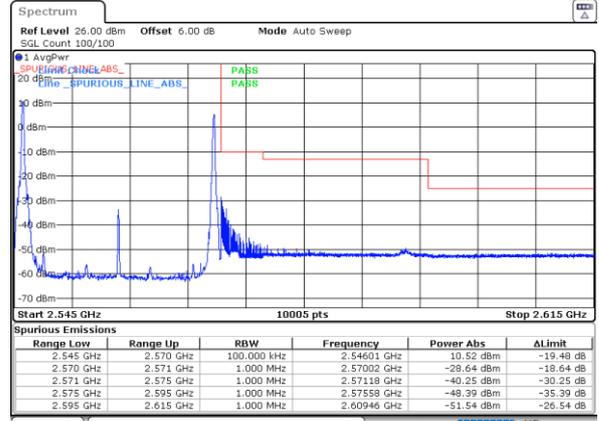
QPSK

Lowest Band Edge / 1RB0 and 1RB49



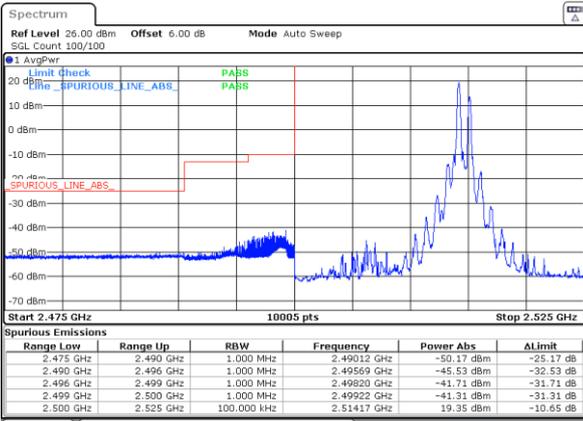
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Highest Band Edge / 1RB0 and 1RB49



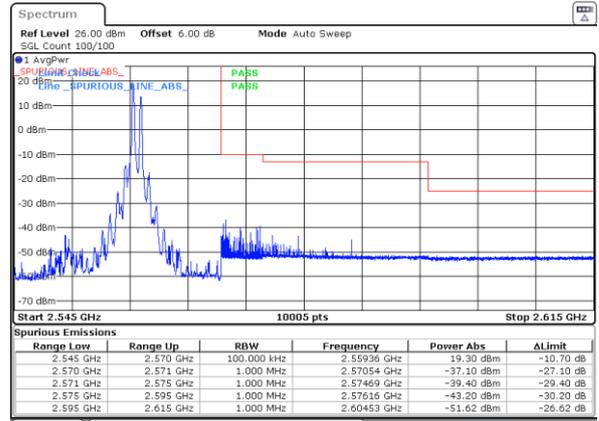
Date: 5.NOV.2022 02:34:37

Lowest Band Edge / 1RB74 and 1RB0



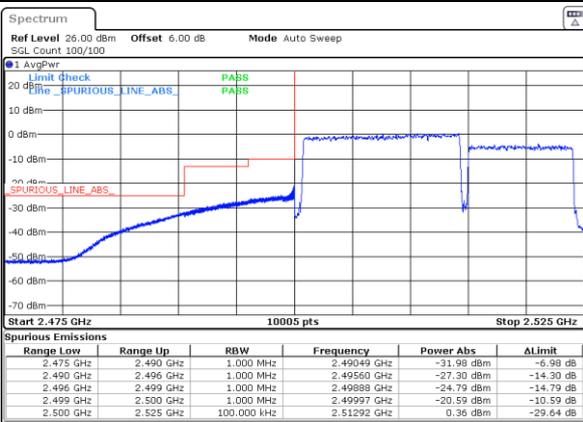
Date: 5.NOV.2022 02:27:17

Highest Band Edge / 1RB74 and 1RB0



Date: 5.NOV.2022 02:40:54

Lowest Band Edge / Full RB



Date: 5.NOV.2022 02:28:11

Highest Band Edge / Full RB



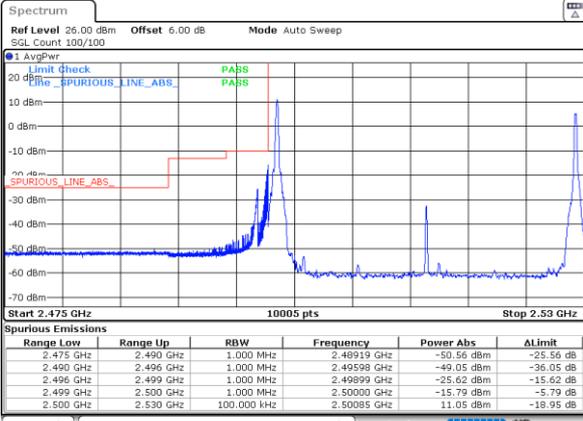
Date: 5.NOV.2022 02:41:48



LTE Band 7 / 15MHz+15MHz

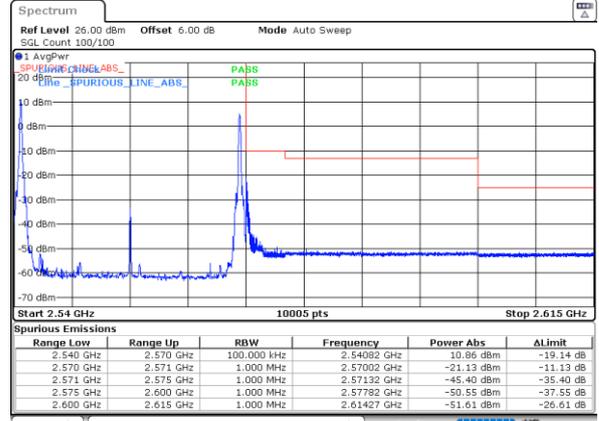
QPSK

Lowest Band Edge / 1RB0 and 1RB74



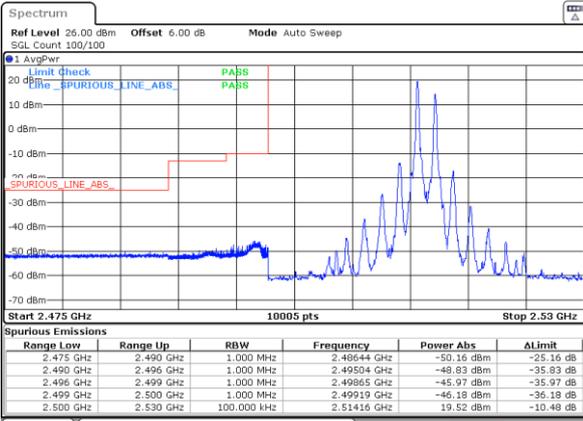
Date: 5.NOV.2022 02:46:49

Highest Band Edge / 1RB0 and 1RB74



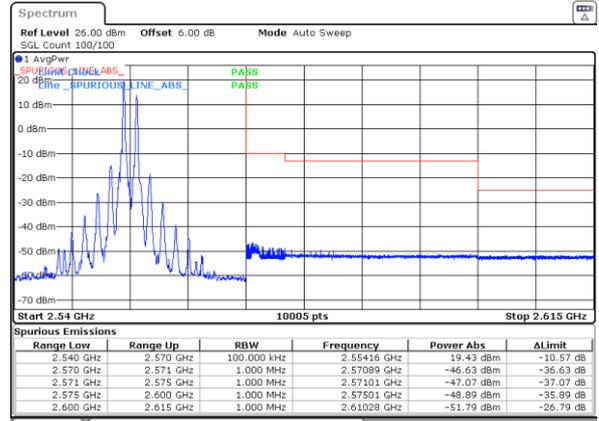
Date: 5.NOV.2022 03:00:28

Lowest Band Edge / 1RB74 and 1RB0



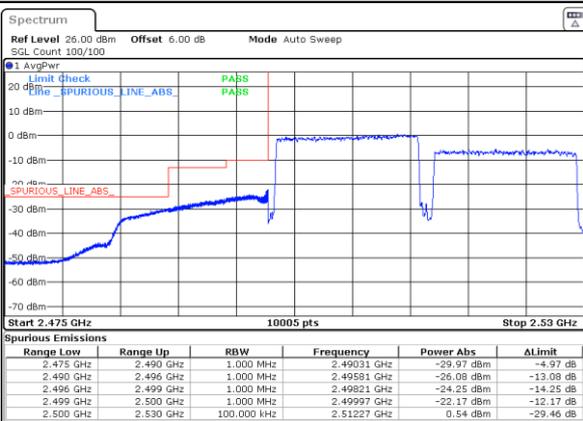
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Highest Band Edge / 1RB74 and 1RB0



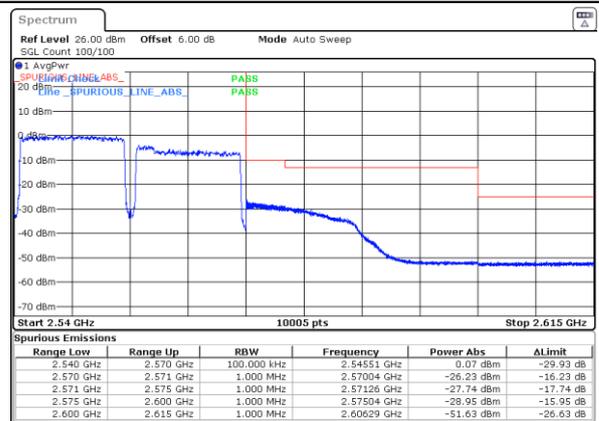
Date: 5.NOV.2022 03:00:45

Lowest Band Edge / Full RB



Date: 5.NOV.2022 02:54:02

Highest Band Edge / Full RB



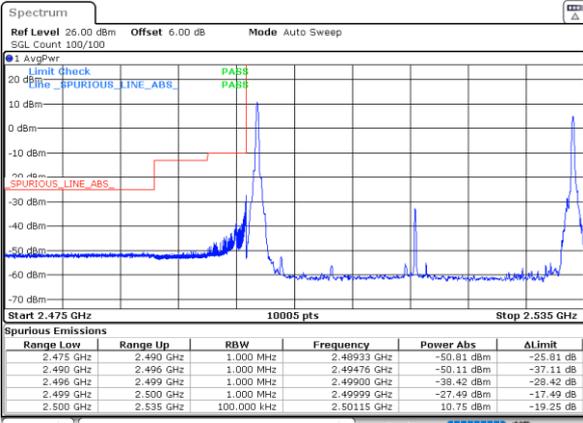
Date: 5.NOV.2022 03:07:39



LTE Band 7 / 15MHz+20MHz

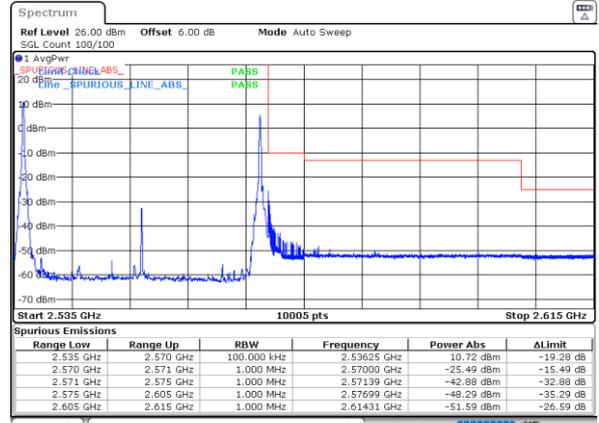
QPSK

Lowest Band Edge / 1RB0 and 1RB9



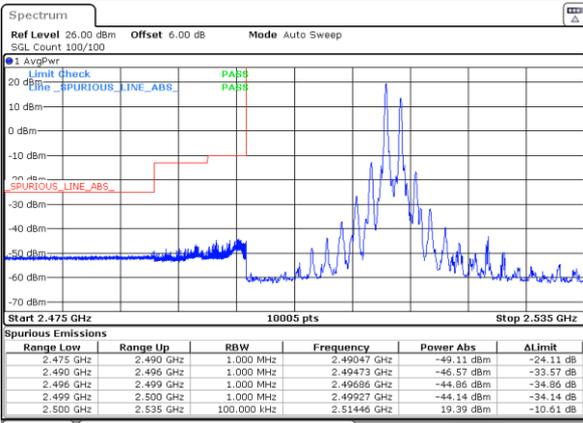
Date: 5.NOV.2022 03:12:40

Highest Band Edge / 1RB0 and 1RB9



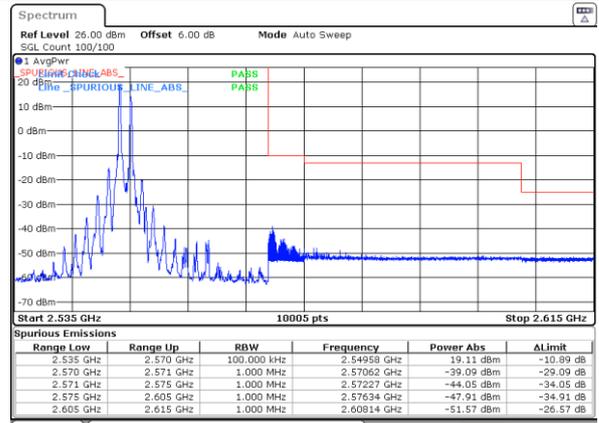
Date: 5.NOV.2022 03:26:20

Lowest Band Edge / 1RB74 and 1RB0



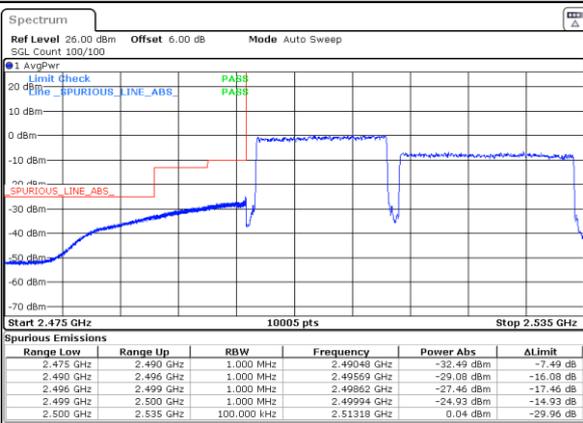
Date: 5.NOV.2022 03:18:59

Highest Band Edge / 1RB74 and 1RB0



Date: 5.NOV.2022 03:32:37

Lowest Band Edge / Full RB



Date: 5.NOV.2022 03:19:53

Highest Band Edge / Full RB



Date: 5.NOV.2022 03:33:31

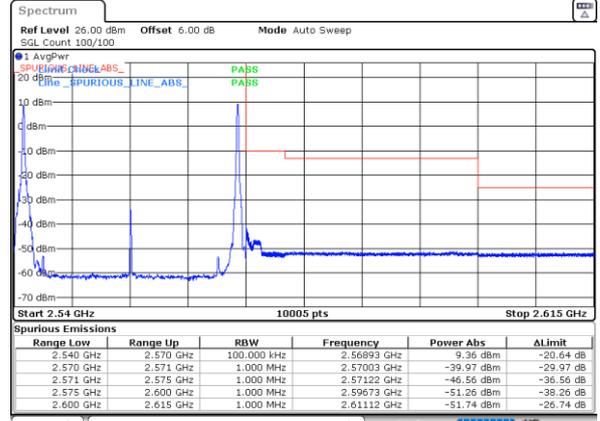
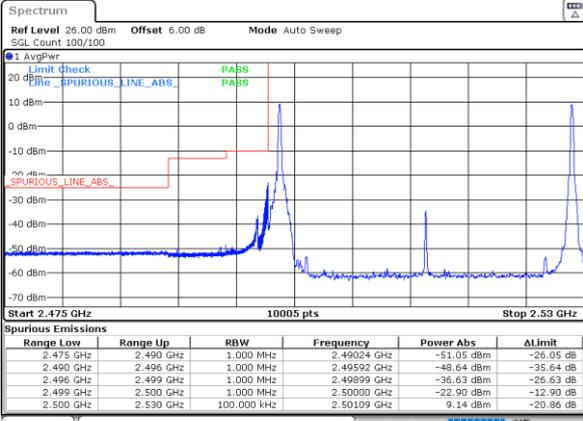


LTE Band 7 / 20MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

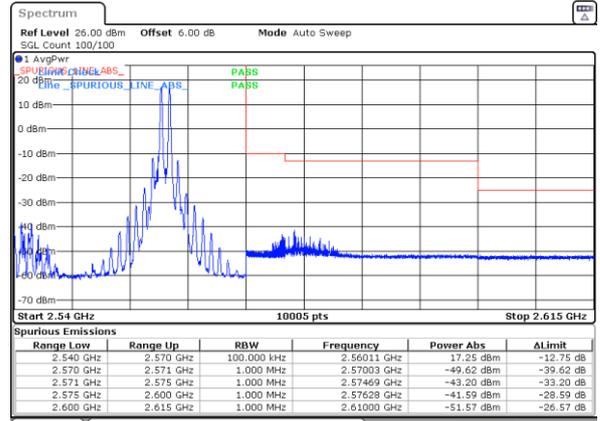
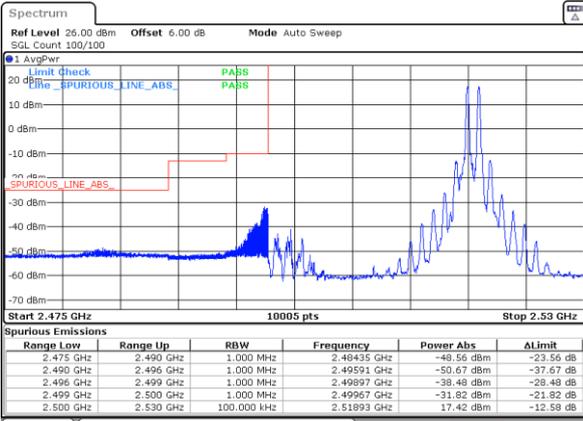


Date: 5.NOV.2022 03:38:32

Date: 5.NOV.2022 03:56:56

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

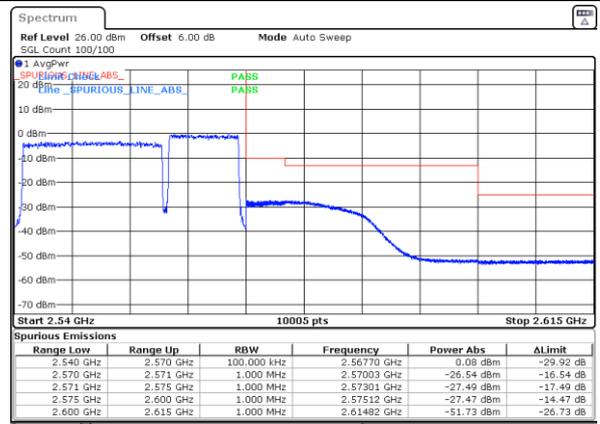
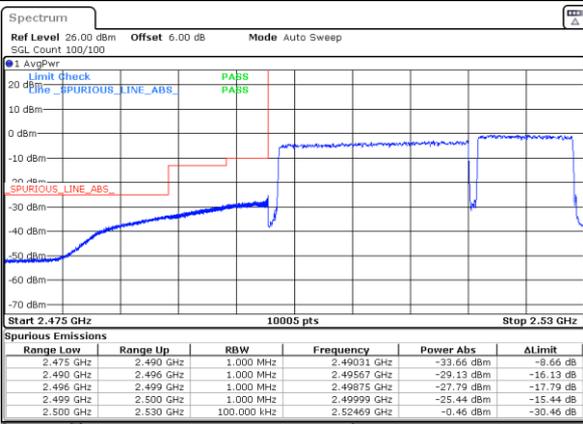


Date: 5.NOV.2022 03:49:35

Date: 5.NOV.2022 04:04:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5.NOV.2022 03:50:30

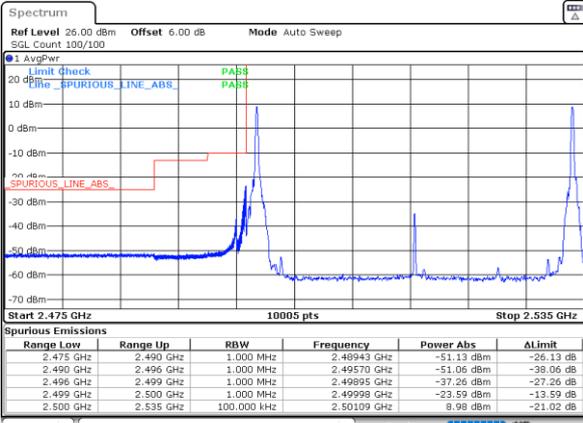
Date: 5.NOV.2022 04:05:43



LTE Band 7 / 20MHz+15MHz

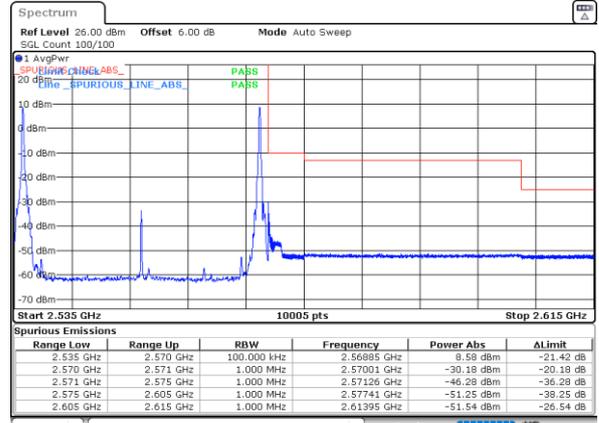
QPSK

Lowest Band Edge / 1RB0 and 1RB74



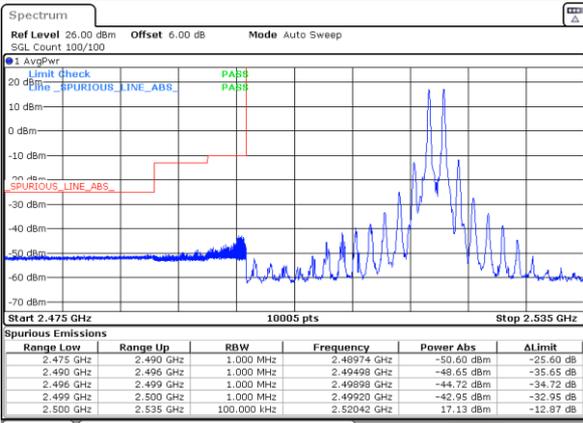
Date: 5.NOV.2022 04:10:44

Highest Band Edge / 1RB0 and 1RB74



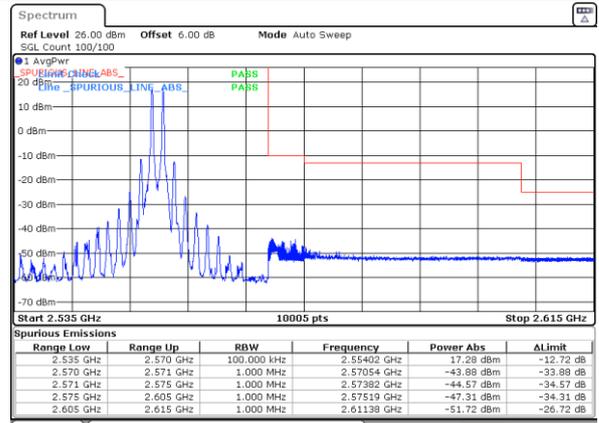
Date: 5.NOV.2022 04:24:23

Lowest Band Edge / 1RB99 and 1RB0



Date: 5.NOV.2022 04:17:03

Highest Band Edge / 1RB99 and 1RB0



Date: 5.NOV.2022 04:30:40

Lowest Band Edge / Full RB



Date: 5.NOV.2022 04:17:58

Highest Band Edge / Full RB



Date: 5.NOV.2022 04:31:34

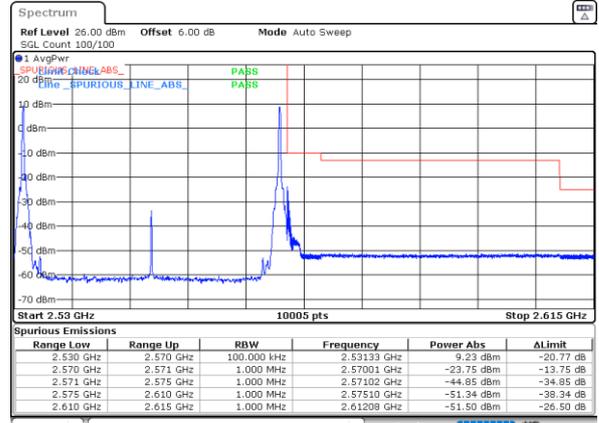
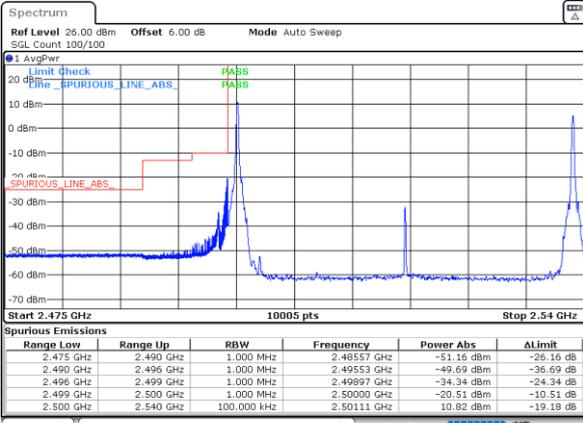


LTE Band 7 / 20MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

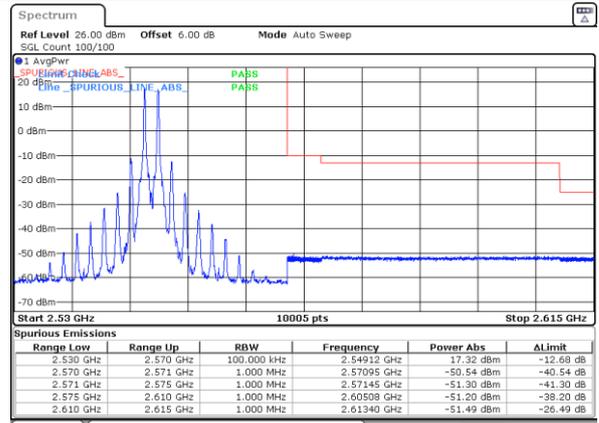
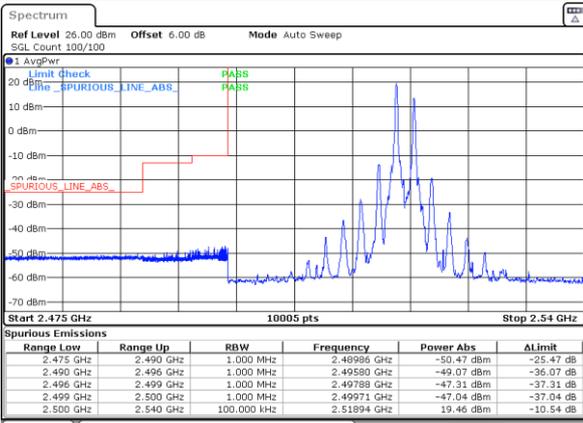


Date: 5.NOV.2022 04:36:35

Date: 5.NOV.2022 04:50:14

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

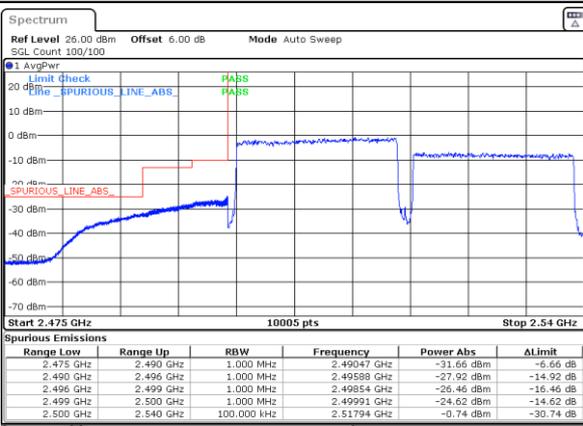


Date: 5.NOV.2022 04:42:54

Date: 5.NOV.2022 04:50:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5.NOV.2022 04:43:48

Date: 5.NOV.2022 04:57:26

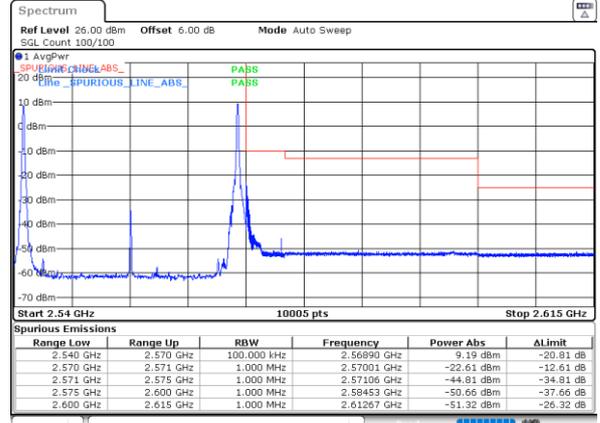
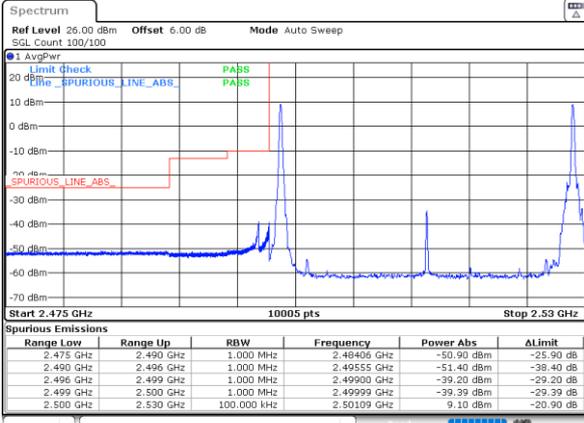


LTE Band 7 / 10MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

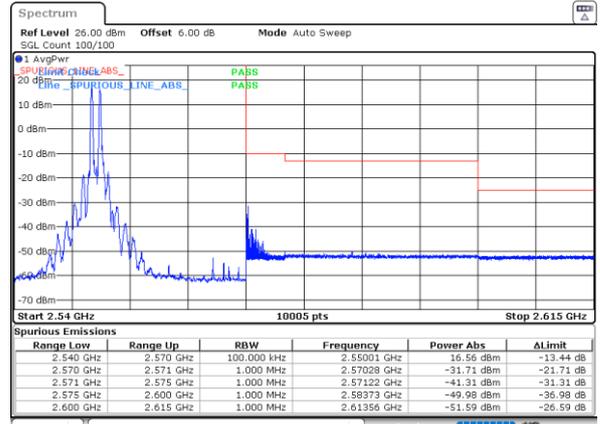
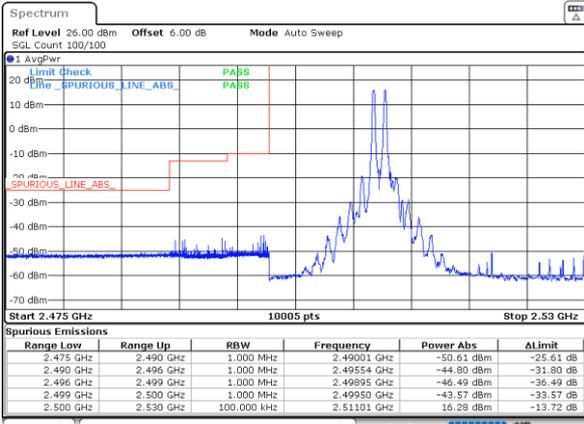


Date: 5.NOV.2022 01:51:45

Date: 5.NOV.2022 02:10:07

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

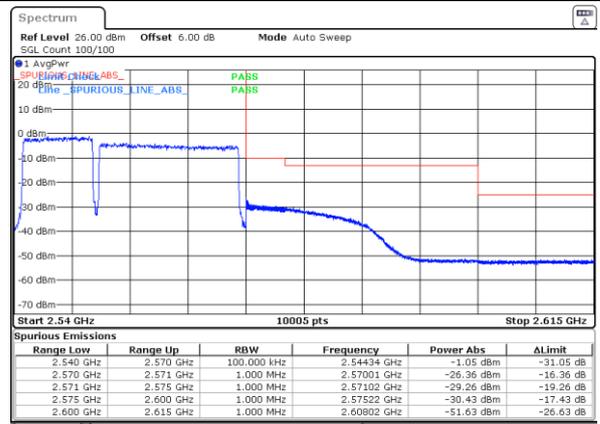
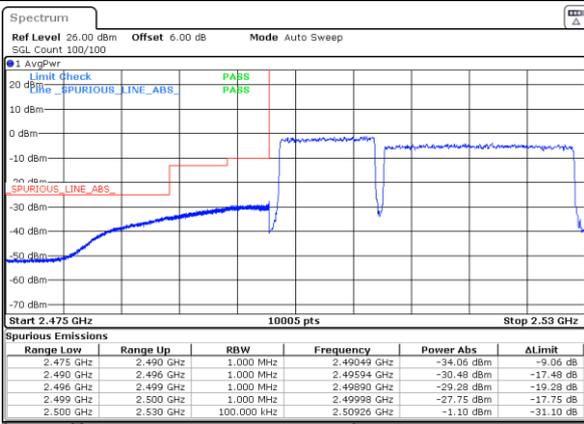


Date: 5.NOV.2022 01:58:57

Date: 5.NOV.2022 02:10:09

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5.NOV.2022 02:10:40

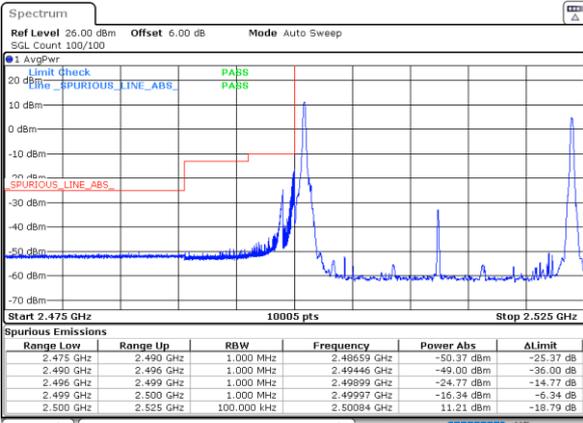
Date: 5.NOV.2022 02:16:51



LTE Band 7 / 15MHz+10MHz

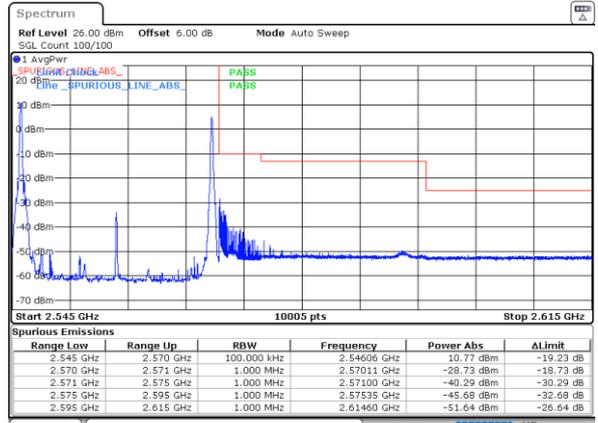
16QAM

Lowest Band Edge / 1RB0 and 1RB49



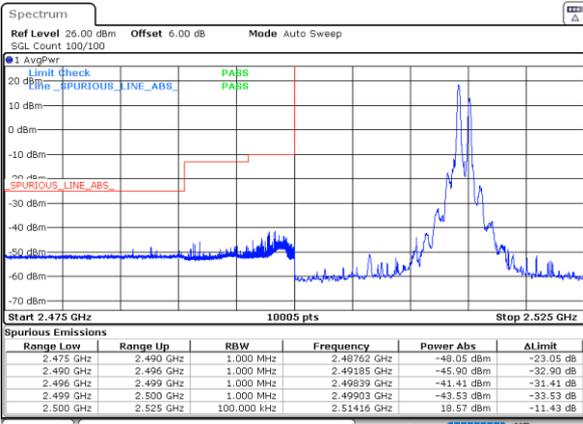
Date: 5.NOV.2022 02:21:53

Highest Band Edge / 1RB0 and 1RB49



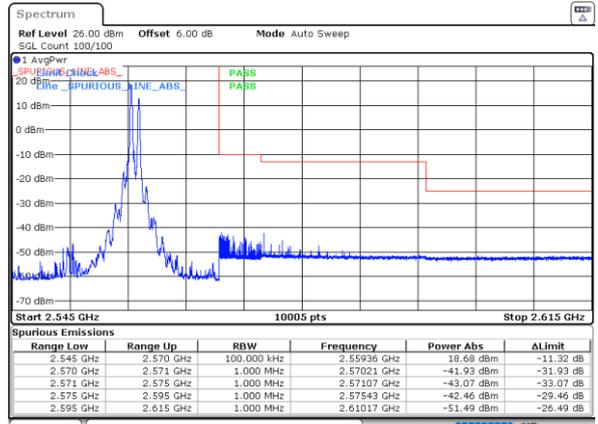
Date: 5.NOV.2022 02:35:33

Lowest Band Edge / 1RB74 and 1RB0



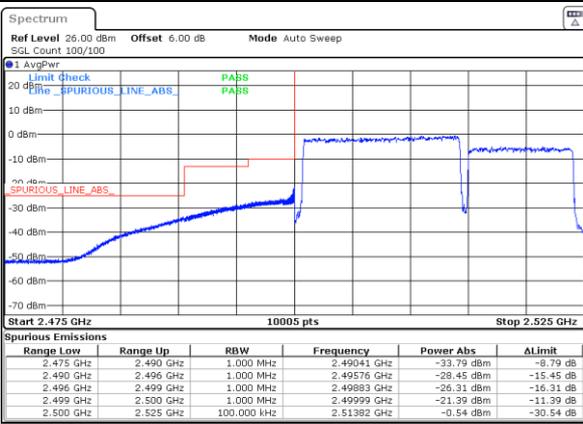
Date: 5.NOV.2022 02:26:23

Highest Band Edge / 1RB74 and 1RB0



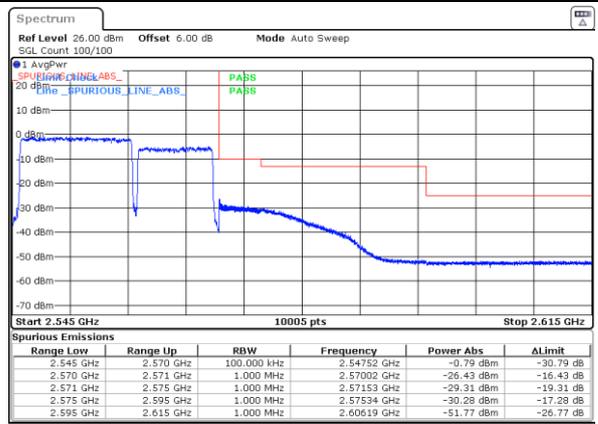
Date: 5.NOV.2022 02:40:00

Lowest Band Edge / Full RB



Date: 5.NOV.2022 02:29:05

Highest Band Edge / Full RB



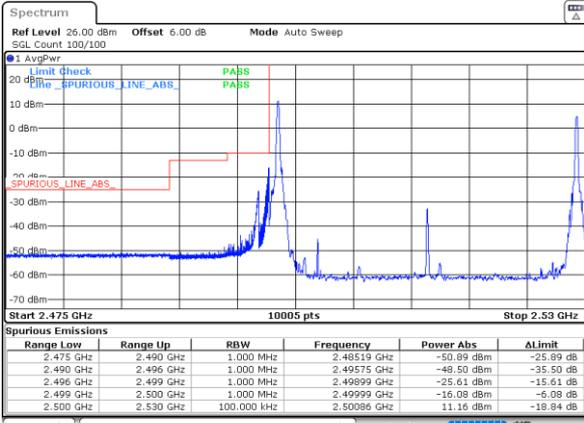
Date: 5.NOV.2022 02:42:42



LTE Band 7 / 15MHz+15MHz

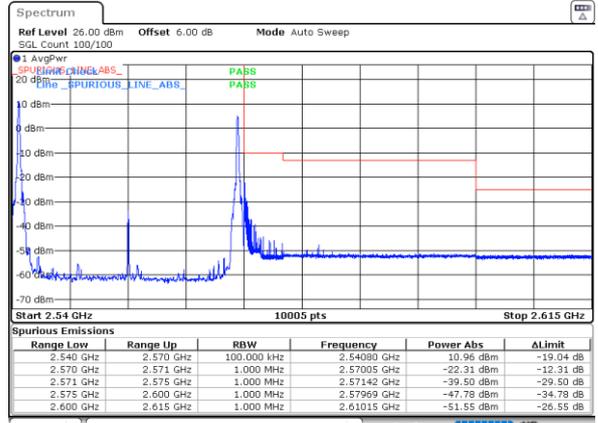
16QAM

Lowest Band Edge / 1RB0 and 1RB74



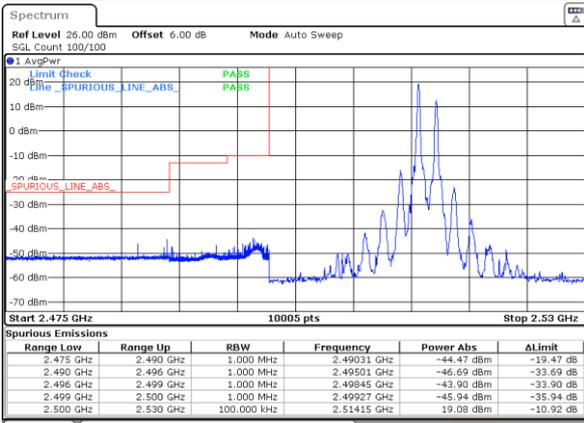
Date: 5.NOV.2022 02:47:43

Highest Band Edge / 1RB0 and 1RB74



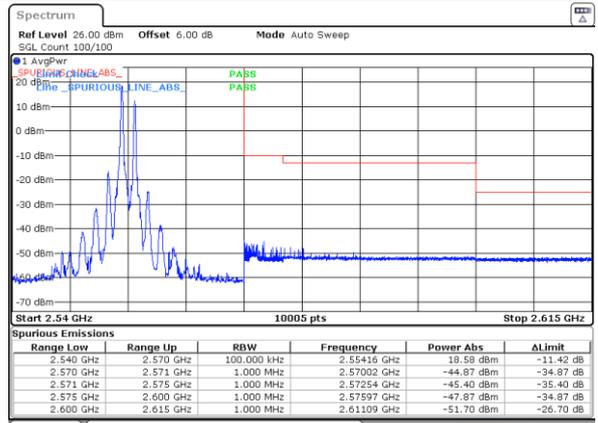
Date: 5.NOV.2022 03:01:22

Lowest Band Edge / 1RB74 and 1RB0



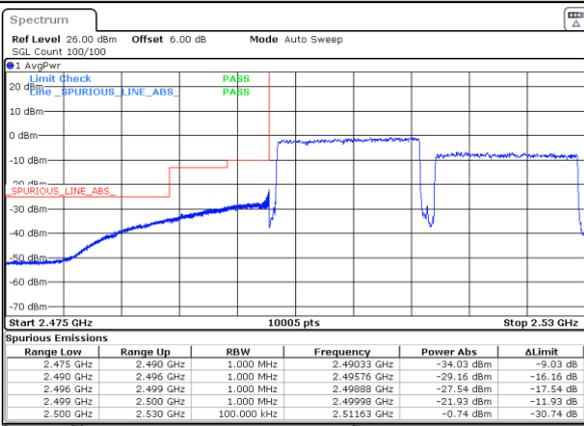
Date: 5.NOV.2022 02:52:14

Highest Band Edge / 1RB74 and 1RB0



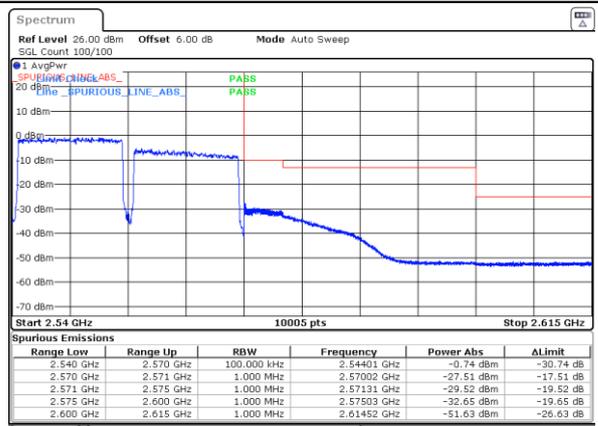
Date: 5.NOV.2022 03:05:51

Lowest Band Edge / Full RB



Date: 5.NOV.2022 02:54:56

Highest Band Edge / Full RB



Date: 5.NOV.2022 03:08:33

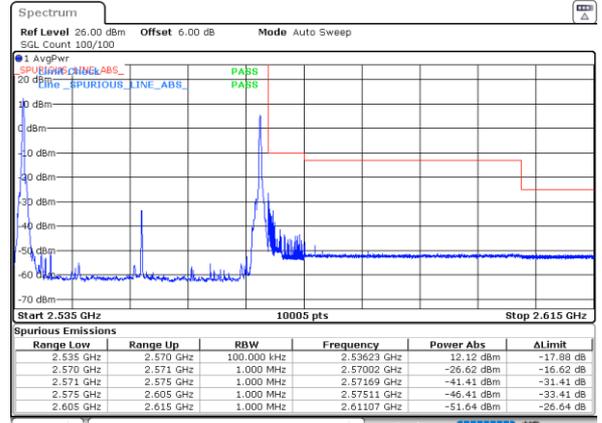
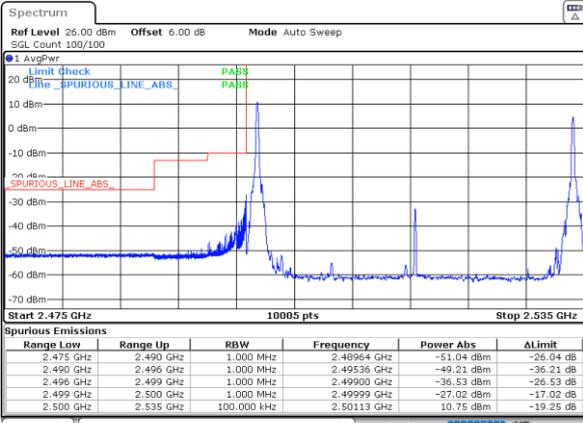


LTE Band 7 / 15MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

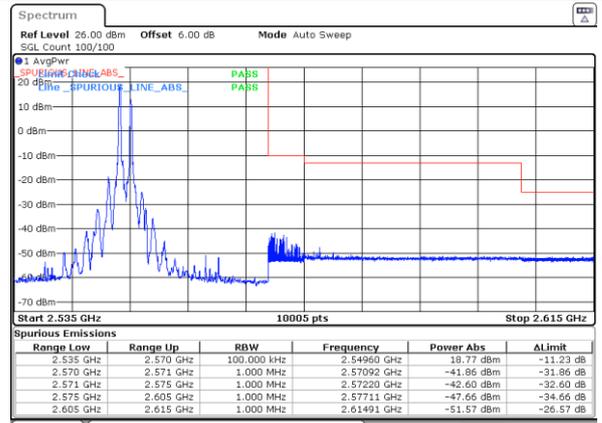
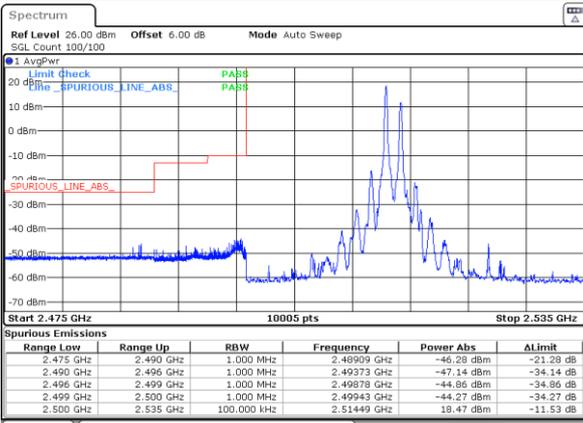


Date: 5.NOV.2022 03:13:34

Date: 5.NOV.2022 03:27:14

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

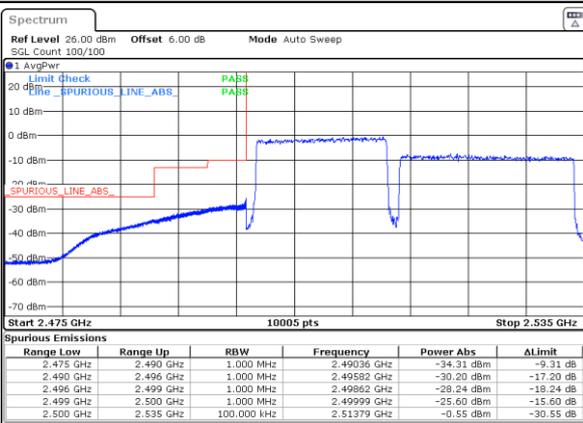


Date: 5.NOV.2022 03:18:05

Date: 5.NOV.2022 03:31:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5.NOV.2022 03:20:47

Date: 5.NOV.2022 03:34:25

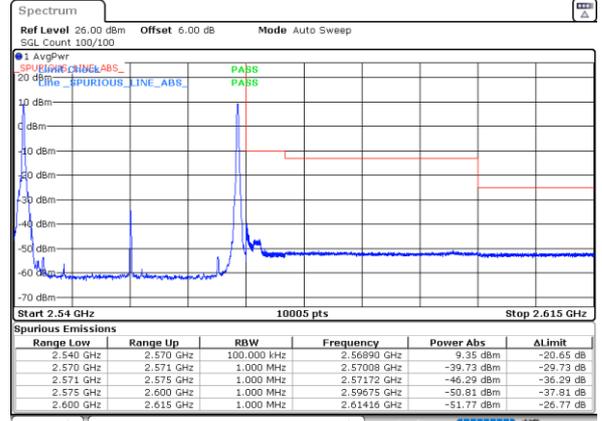
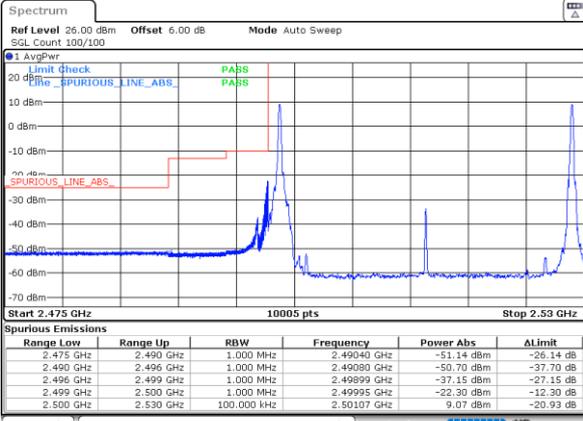


LTE Band 7 / 20MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

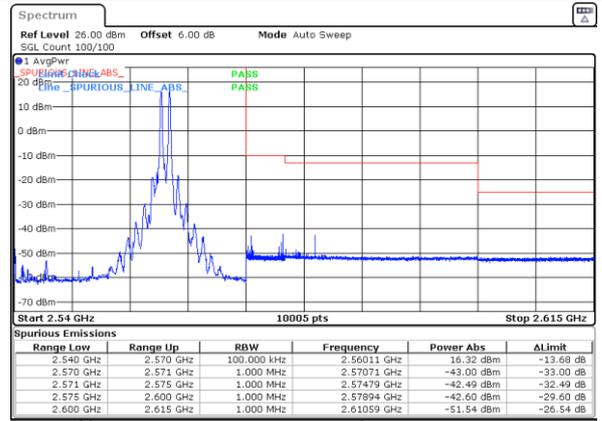
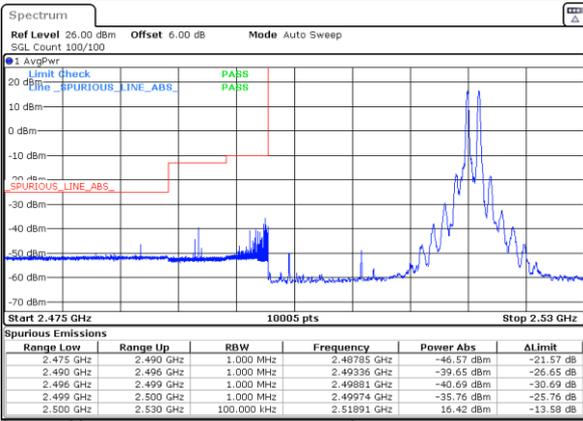


Date: 5.NOV.2022 03:39:26

Date: 5.NOV.2022 03:59:26

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

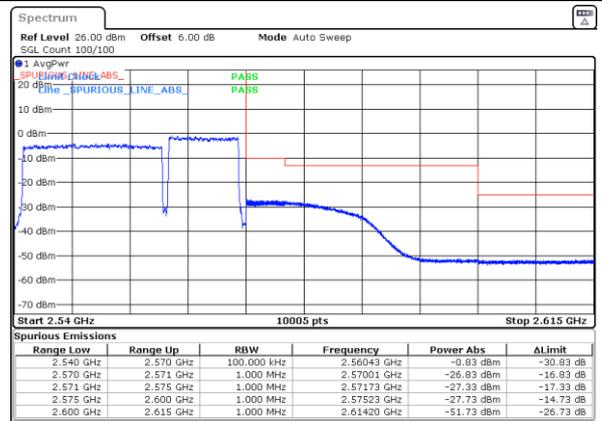
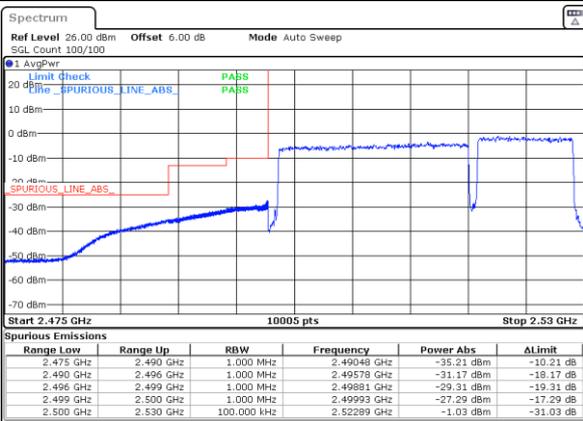


Date: 5.NOV.2022 03:48:41

Date: 5.NOV.2022 04:03:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5.NOV.2022 03:51:24

Date: 5.NOV.2022 04:06:37

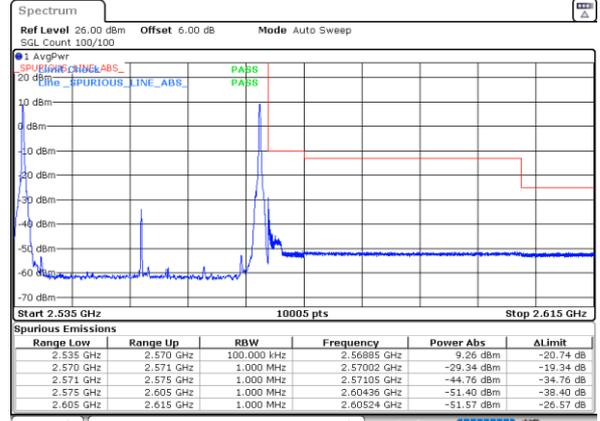
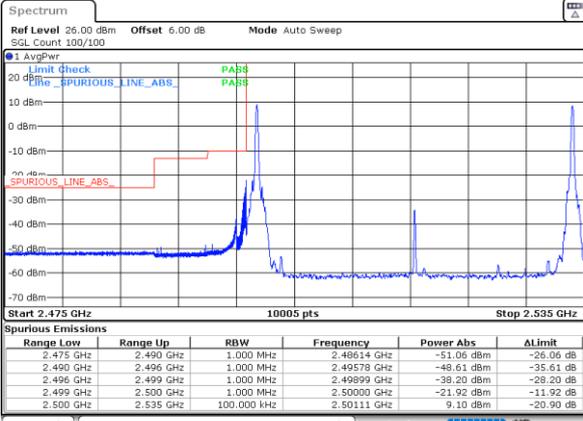


LTE Band 7 / 20MHz+15MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

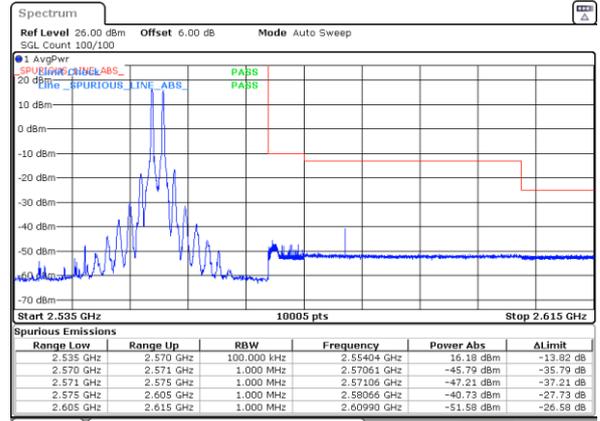
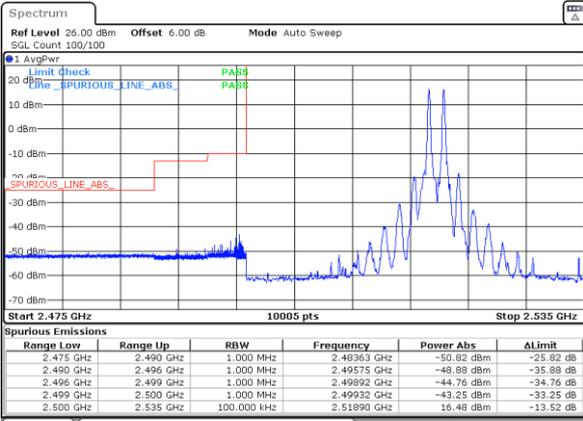


Date: 5.NOV.2022 04:11:39

Date: 5.NOV.2022 04:25:17

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

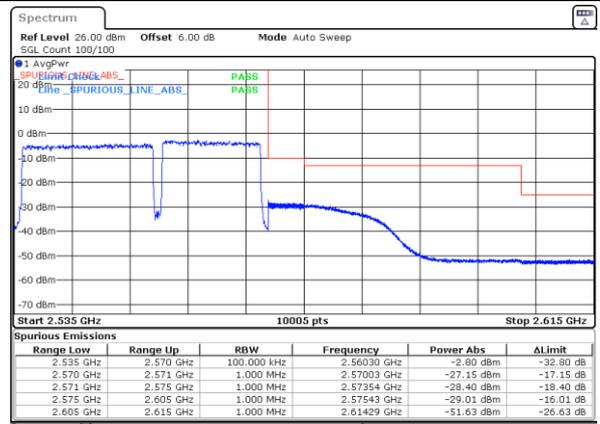
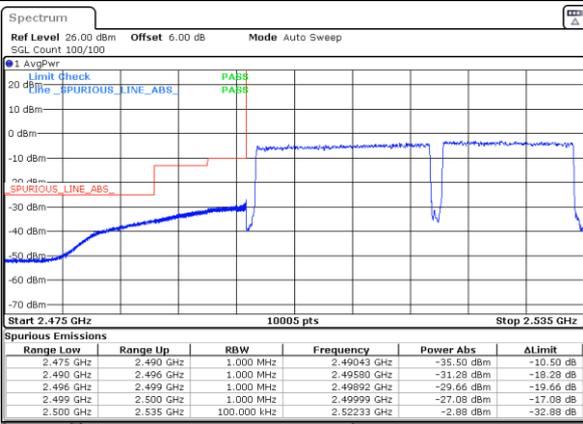


Date: 5.NOV.2022 04:16:09

Date: 5.NOV.2022 04:25:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5.NOV.2022 04:18:52

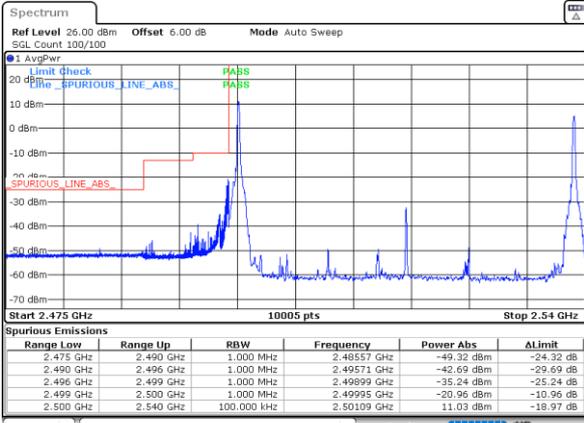
Date: 5.NOV.2022 04:32:28



LTE Band 7 / 20MHz+20MHz

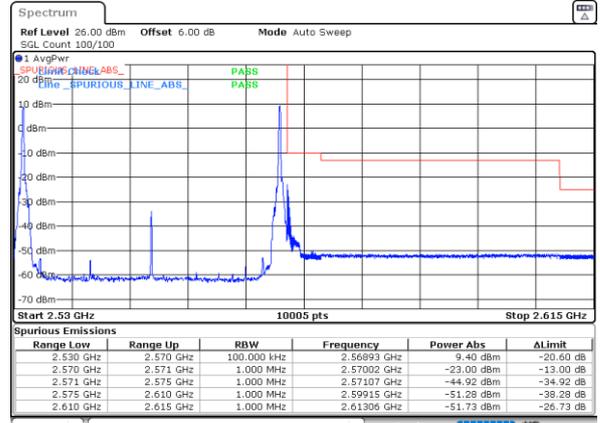
16QAM

Lowest Band Edge / 1RB0 and 1RB9



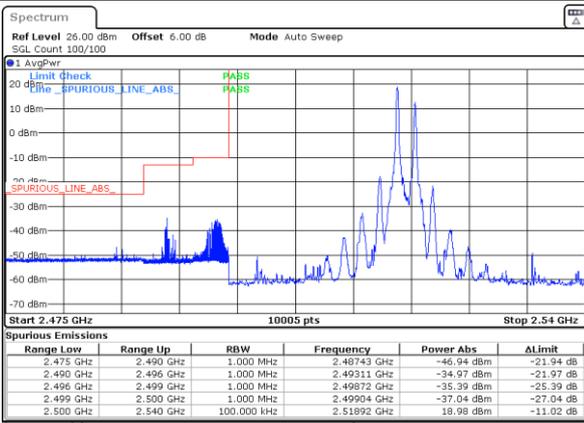
Date: 5.NOV.2022 04:37:29

Highest Band Edge / 1RB0 and 1RB9



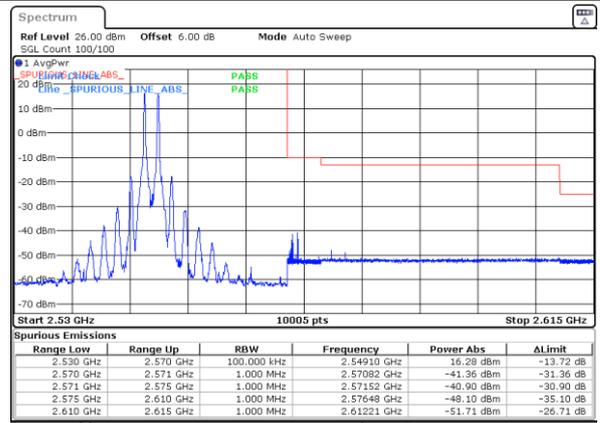
Date: 5.NOV.2022 04:51:08

Lowest Band Edge / 1RB99 and 1RB0



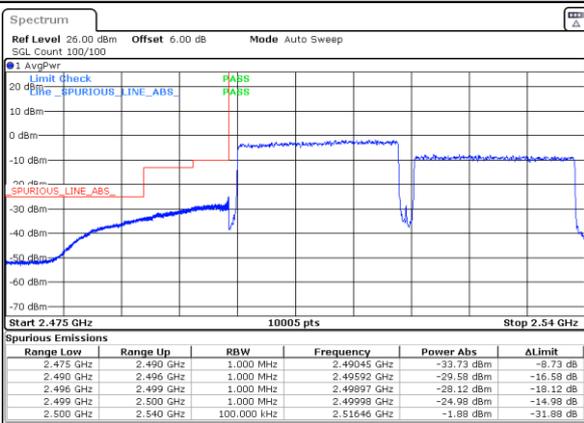
Date: 5.NOV.2022 04:42:00

Highest Band Edge / 1RB99 and 1RB0



Date: 5.NOV.2022 04:51:38

Lowest Band Edge / Full RB



Date: 5.NOV.2022 04:44:42

Highest Band Edge / Full RB



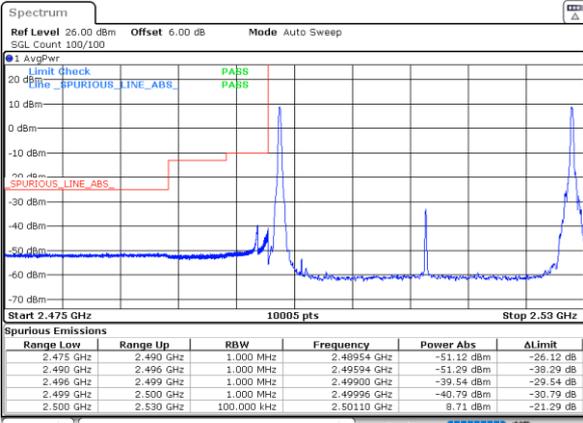
Date: 5.NOV.2022 04:58:20



LTE Band 7 / 10MHz+20MHz

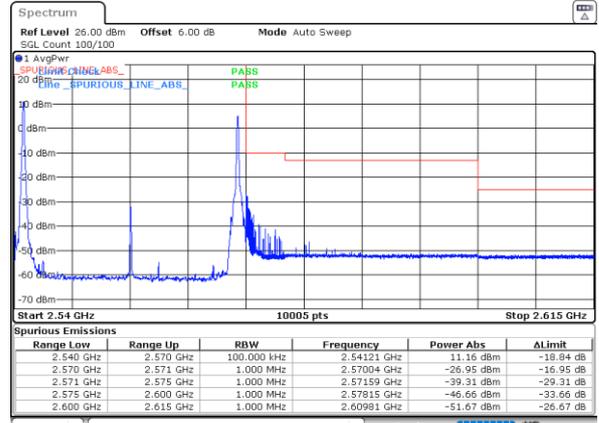
64QAM

Lowest Band Edge / 1RB0 and 1RB9



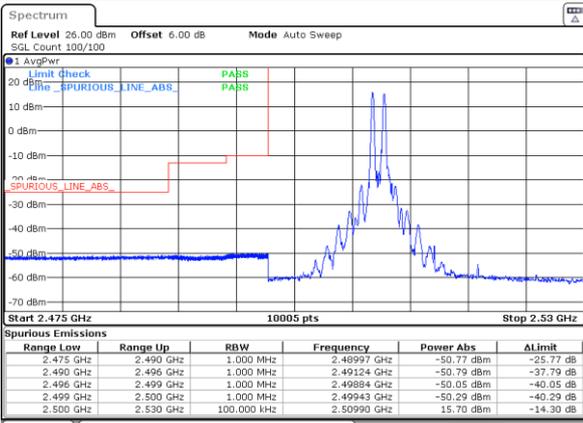
Date: 5.NOV.2022 01:52:19

Highest Band Edge / 1RB0 and 1RB9



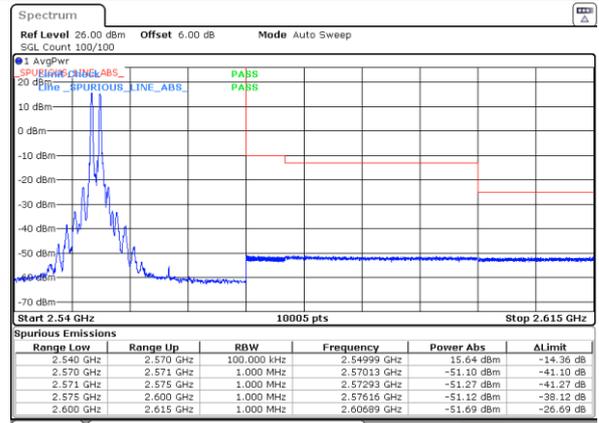
Date: 5.NOV.2022 06:03:26

Lowest Band Edge / 1RB49 and 1RB0



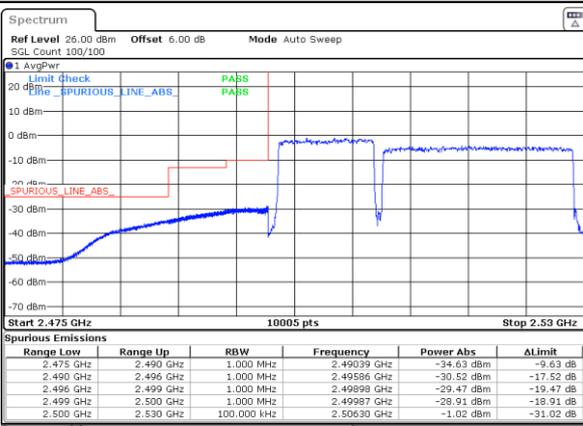
Date: 5.NOV.2022 01:58:03

Highest Band Edge / 1RB49 and 1RB0



Date: 5.NOV.2022 02:13:15

Lowest Band Edge / Full RB



Date: 5.NOV.2022 02:02:134

Highest Band Edge / Full RB



Date: 5.NOV.2022 02:17:45

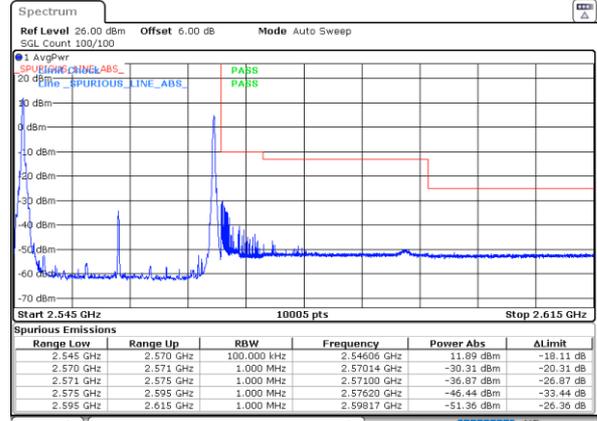
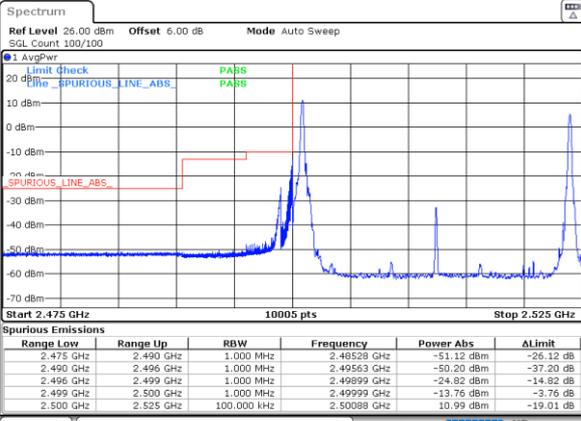


LTE Band 7 / 15MHz+10MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

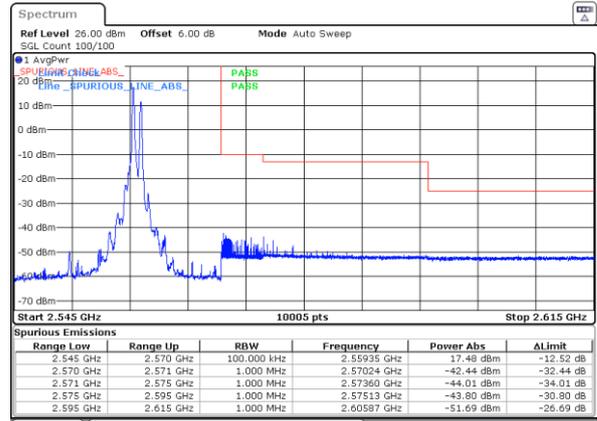
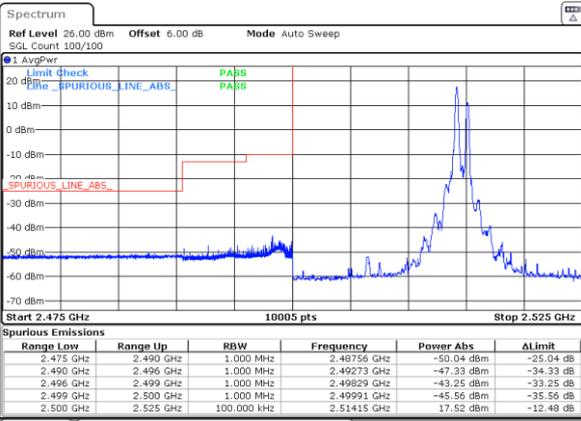


Date: 5.NOV.2022 02:22:47

Date: 5.NOV.2022 02:13:25

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

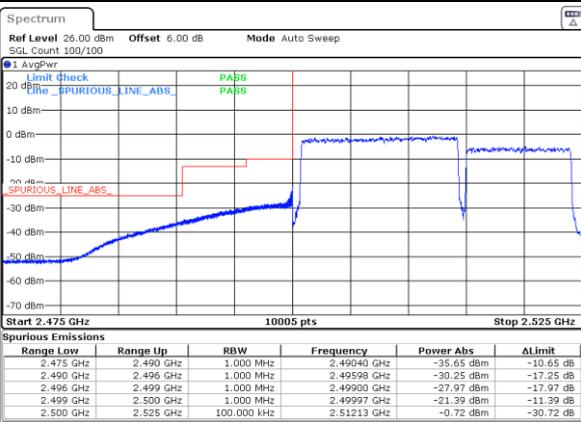


Date: 5.NOV.2022 02:25:29

Date: 5.NOV.2022 02:19:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5.NOV.2022 02:29:59

Date: 5.NOV.2022 02:43:36

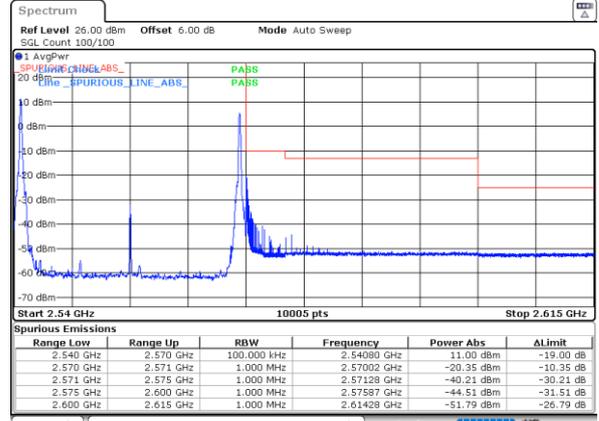
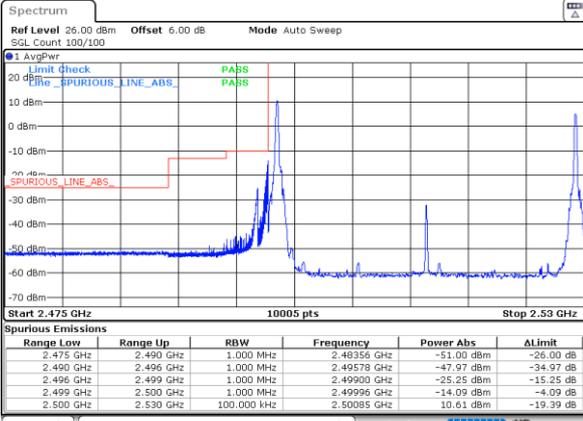


LTE Band 7 / 15MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

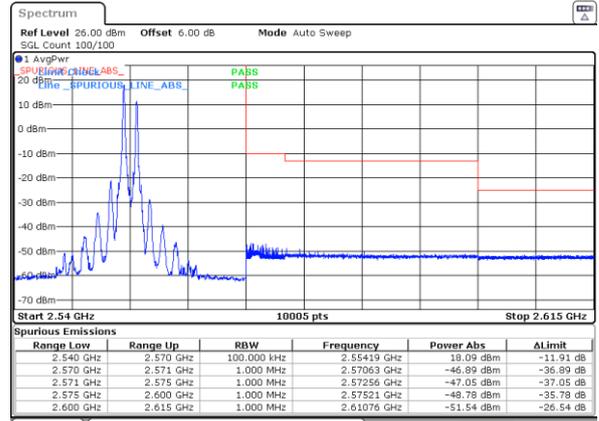
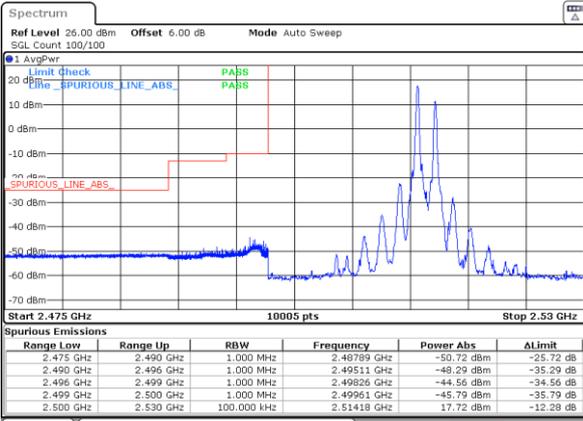


Date: 5.NOV.2022 02:48:38

Date: 5.NOV.2022 03:02:16

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

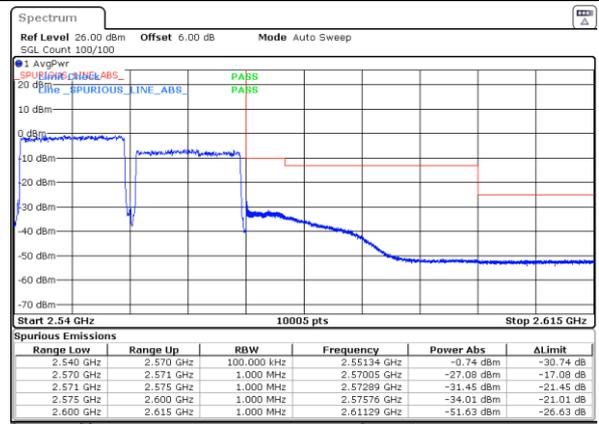
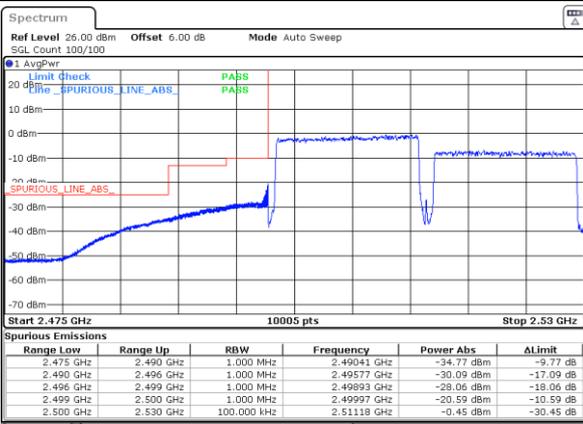


Date: 5.NOV.2022 02:51:20

Date: 5.NOV.2022 03:04:58

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5.NOV.2022 02:55:50

Date: 5.NOV.2022 03:09:27

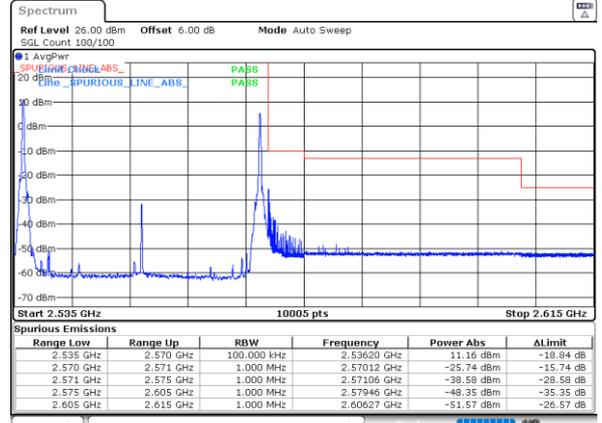
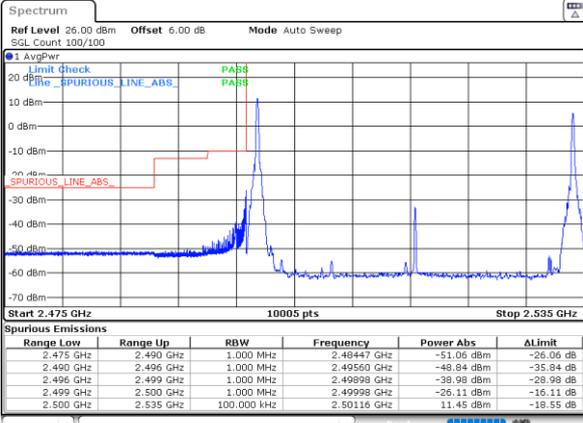


LTE Band 7 / 15MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

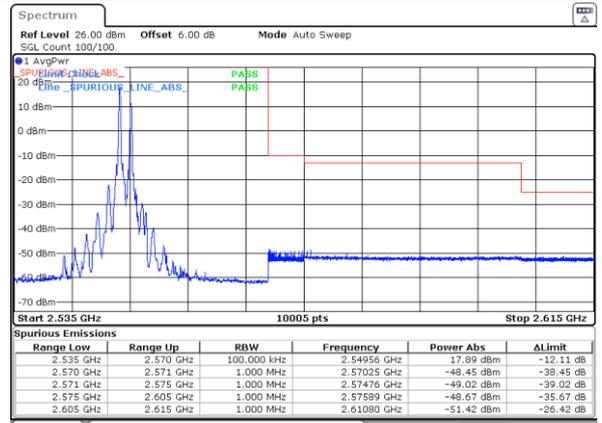
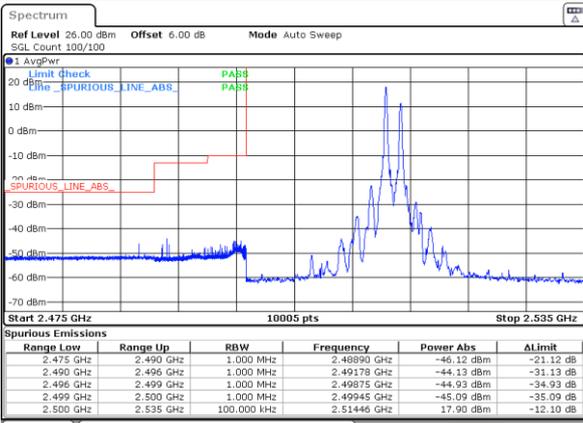


Date: 5.NOV.2022 03:14:29

Date: 5.NOV.2022 03:28:08

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

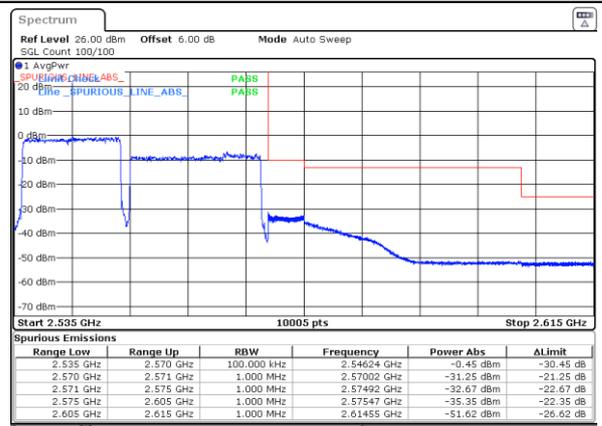
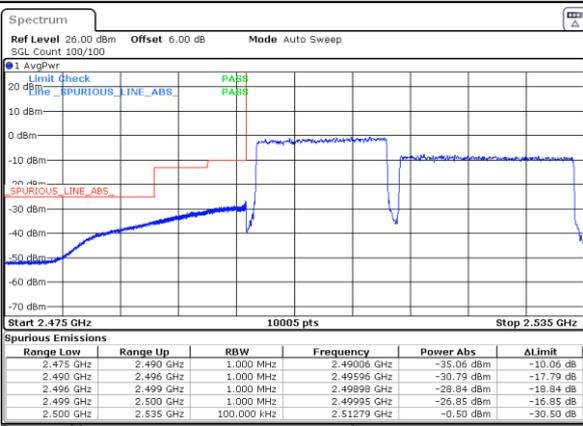


Date: 5.NOV.2022 03:17:11

Date: 5.NOV.2022 03:30:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5.NOV.2022 03:21:42

Date: 5.NOV.2022 03:35:19