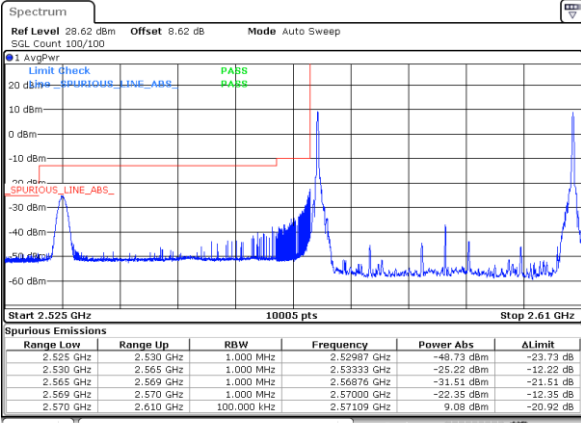




LTE Band 38C / 20MHz+20MHz

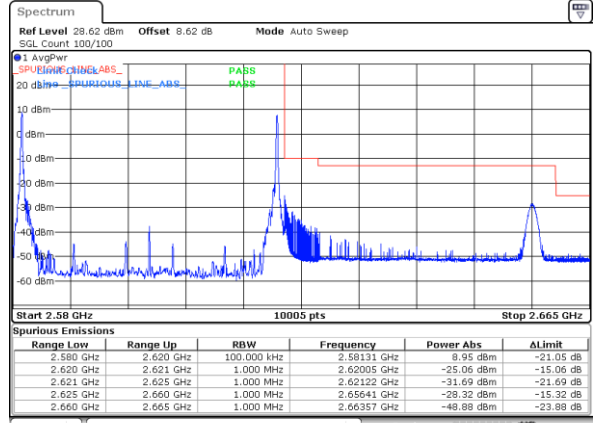
QPSK

Lowest Band Edge / 1RB0 and 1RB9



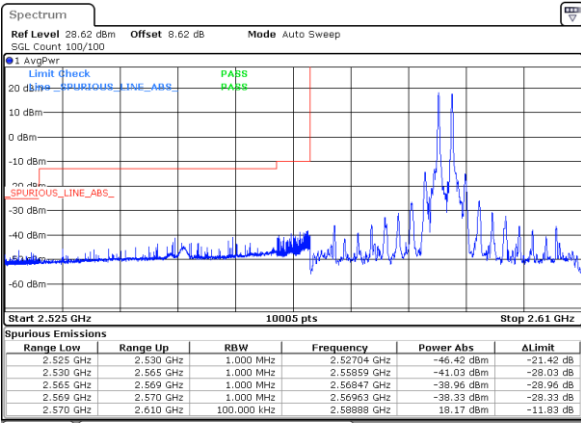
Date: 29_JUN,2023 15:51:03

Highest Band Edge / 1RB0 and 1RB9



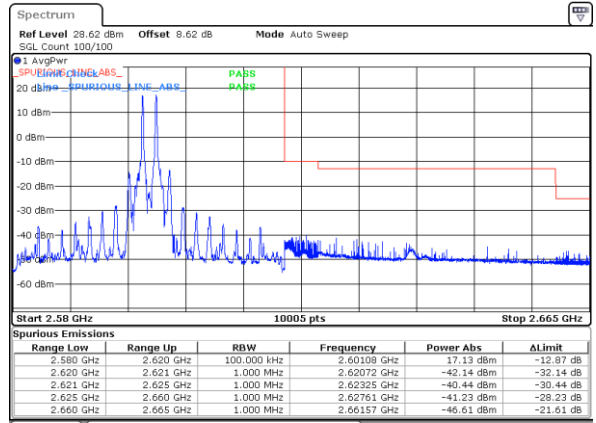
Date: 29_JUN,2023 16:05:03

Lowest Band Edge / 1RB99 and 1RB0



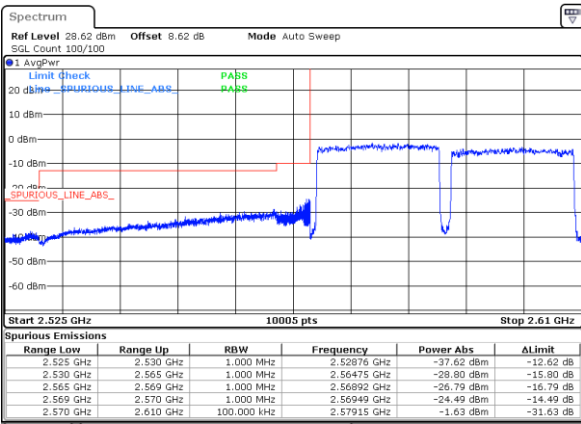
Date: 29_JUN,2023 15:55:48

Highest Band Edge / 1RB99 and 1RB0



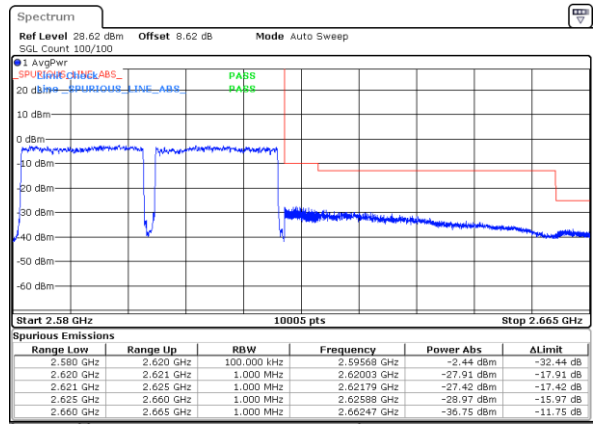
Date: 29_JUN,2023 16:00:29

Lowest Band Edge / Full RB



Date: 29_JUN,2023 15:46:17

Highest Band Edge / Full RB



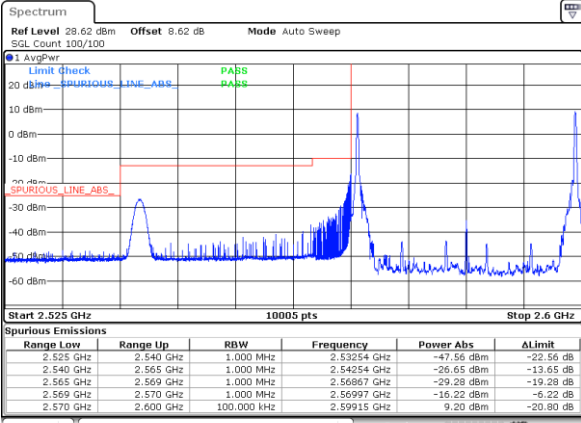
Date: 29_JUN,2023 16:09:37



LTE Band 38C / 15MHz+15MHz

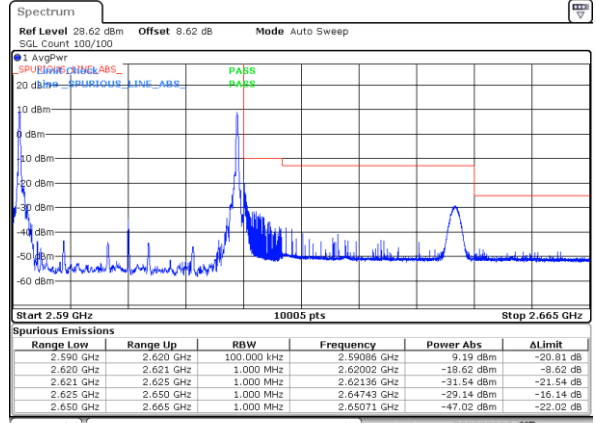
16QAM

Lowest Band Edge / 1RB0 and 1RB74



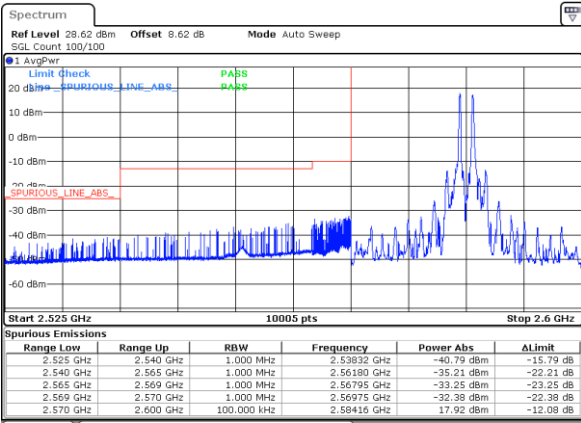
Date: 29_JUN,2023 14:57:32

Highest Band Edge / 1RB0 and 1RB74



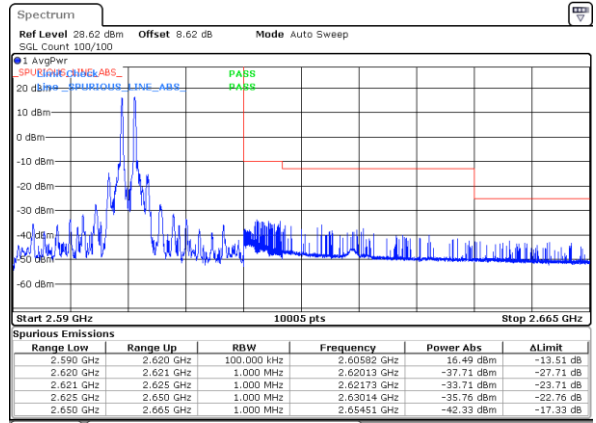
Date: 29_JUN,2023 15:37:31

Lowest Band Edge / 1RB74 and 1RB0



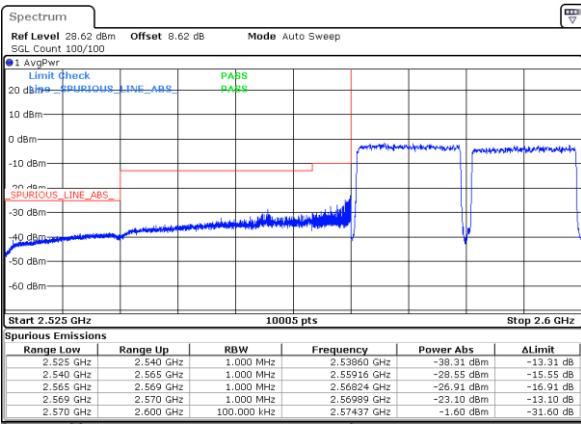
Date: 29_JUN,2023 15:02:15

Highest Band Edge / 1RB74 and 1RB0



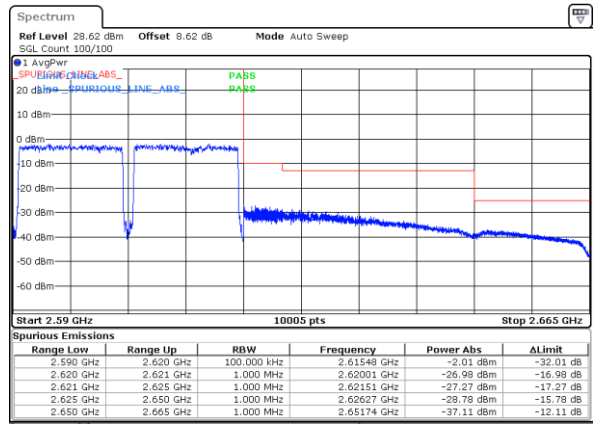
Date: 29_JUN,2023 15:32:56

Lowest Band Edge / Full RB



Date: 29_JUN,2023 14:52:51

Highest Band Edge / Full RB



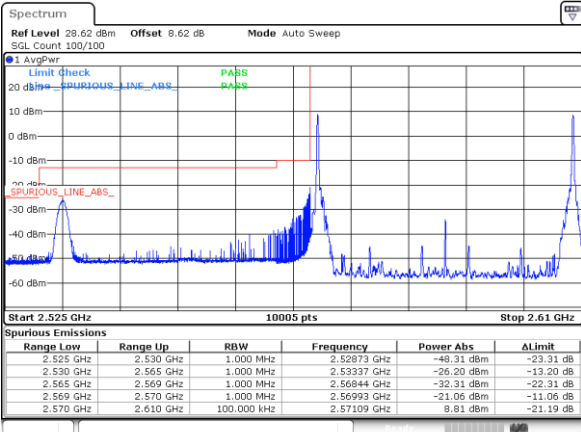
Date: 29_JUN,2023 15:42:06



LTE Band 38C / 20MHz+20MHz

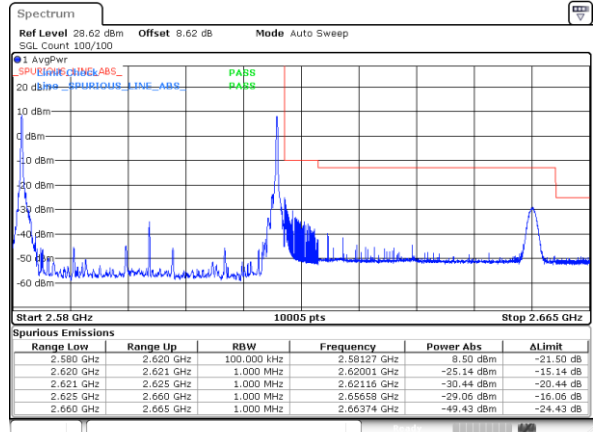
16QAM

Lowest Band Edge / 1RB0 and 1RB9



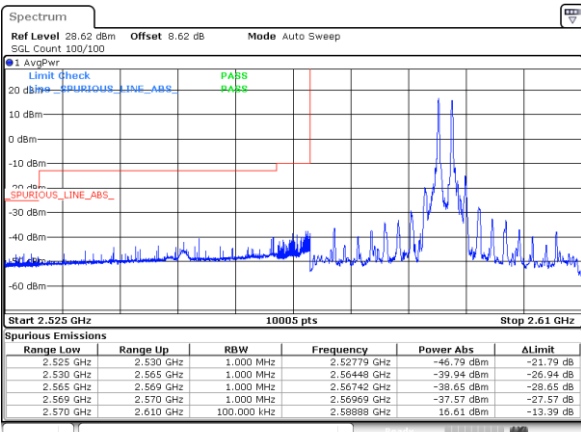
Date: 29_JUN,2023 15:52:38

Highest Band Edge / 1RB0 and 1RB9



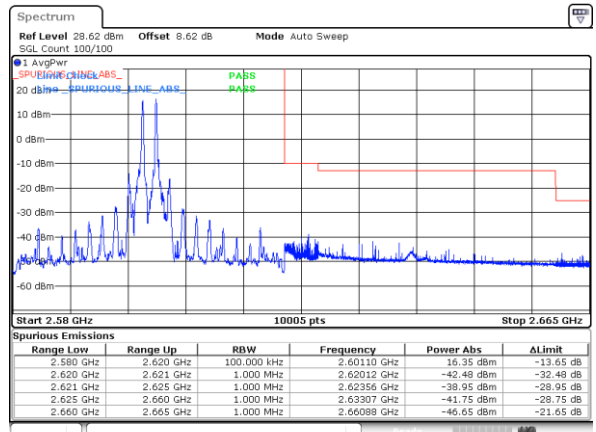
Date: 29_JUN,2023 16:06:34

Lowest Band Edge / 1RB99 and 1RB0



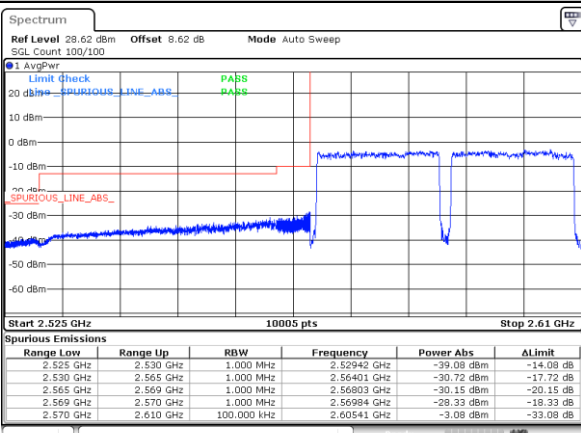
Date: 29_JUN,2023 15:57:22

Highest Band Edge / 1RB99 and 1RB0



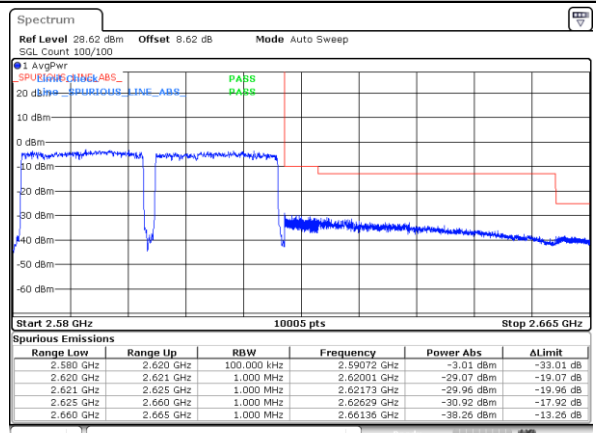
Date: 29_JUN,2023 16:02:01

Lowest Band Edge / Full RB



Date: 29_JUN,2023 15:47:52

Highest Band Edge / Full RB



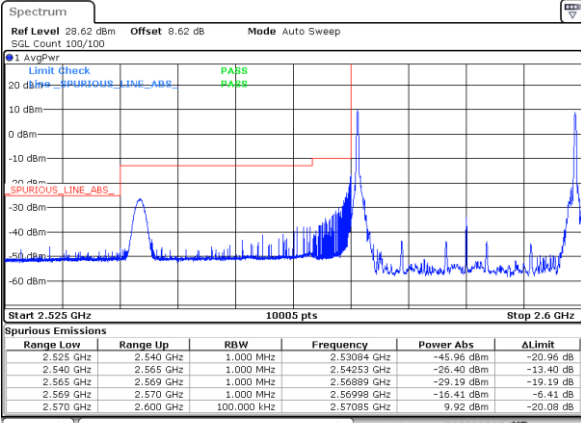
Date: 29_JUN,2023 16:11:08



LTE Band 38C / 15MHz+15MHz

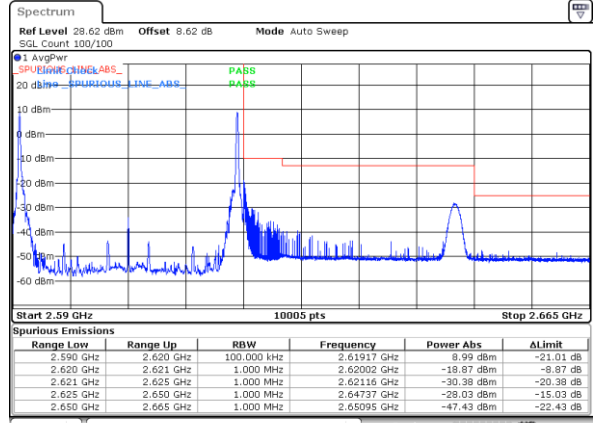
64QAM

Lowest Band Edge / 1RB0 and 1RB74



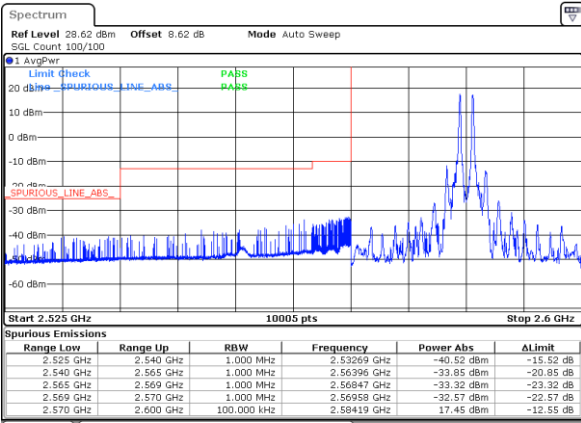
Date: 29_JUN,2023 14:59:07

Highest Band Edge / 1RB0 and 1RB74



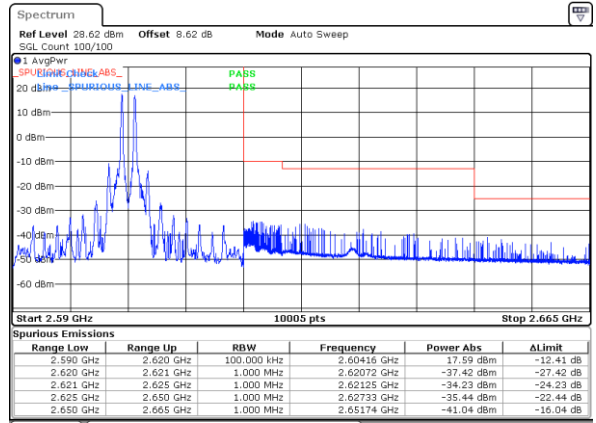
Date: 29_JUN,2023 15:13:02

Lowest Band Edge / 1RB74 and 1RB0



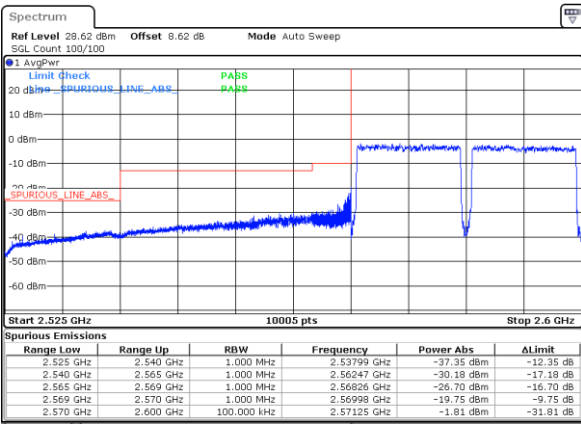
Date: 29_JUN,2023 15:03:49

Highest Band Edge / 1RB74 and 1RB0



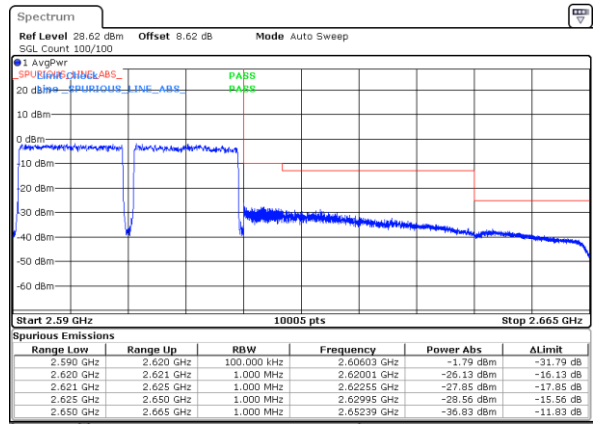
Date: 29_JUN,2023 15:13:28

Lowest Band Edge / Full RB



Date: 29_JUN,2023 14:54:25

Highest Band Edge / Full RB



Date: 29_JUN,2023 15:43:37

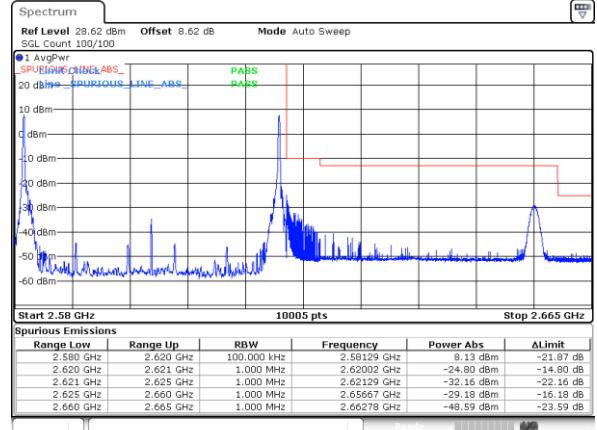
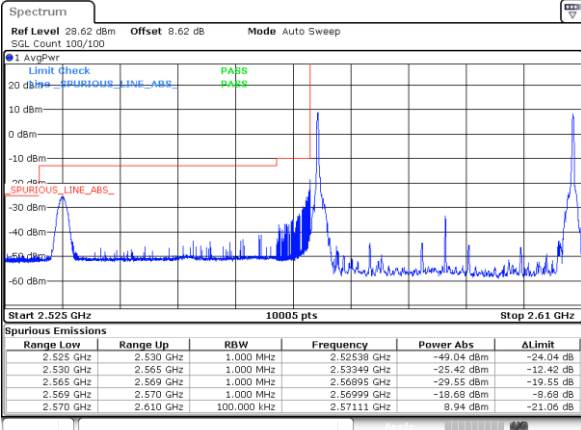


LTE Band 38C / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

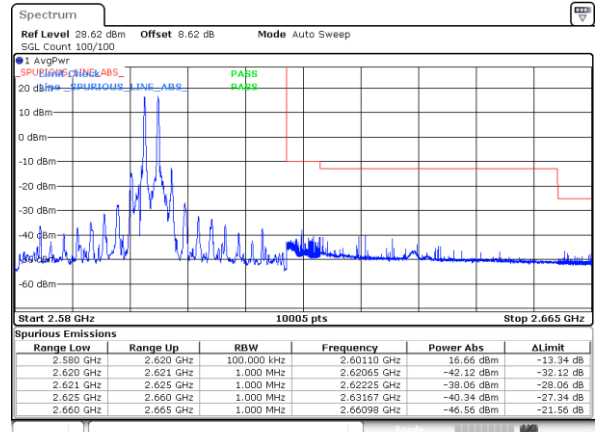
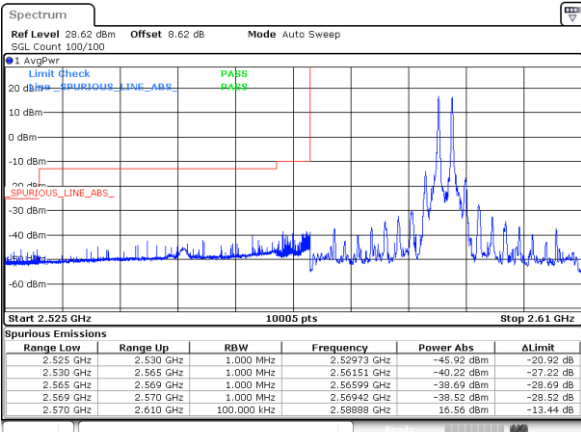


Date: 29_JUN,2023 15:54:13

Date: 29_JUN,2023 16:08:05

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

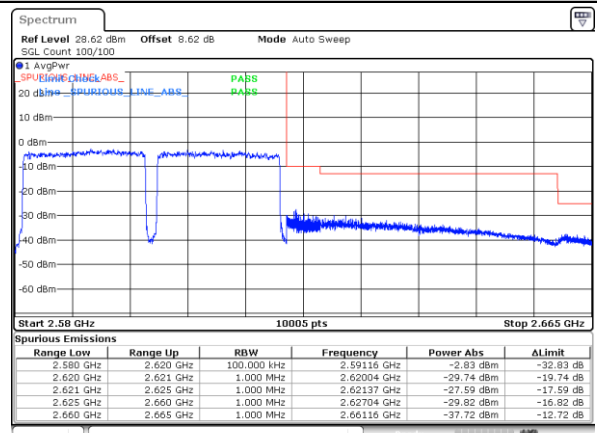
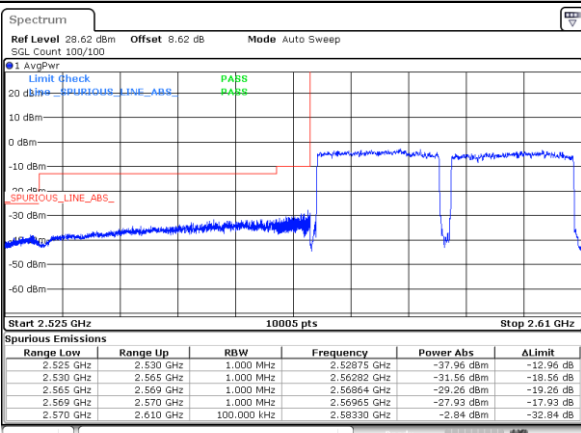


Date: 29_JUN,2023 15:58:57

Date: 29_JUN,2023 16:03:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29_JUN,2023 15:49:27

Date: 29_JUN,2023 16:12:39



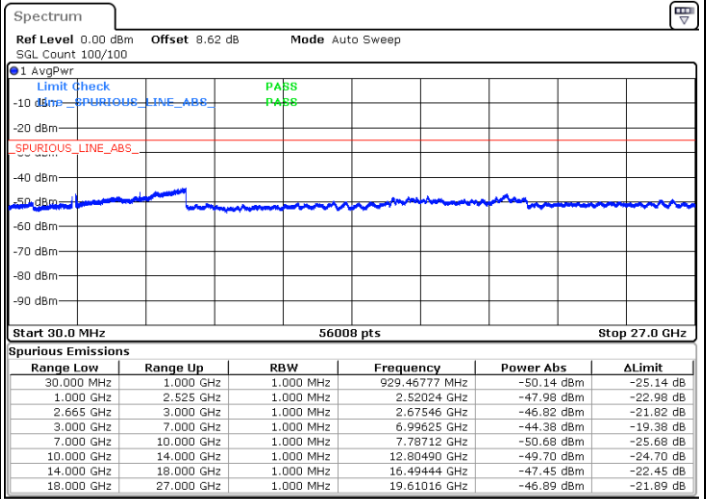
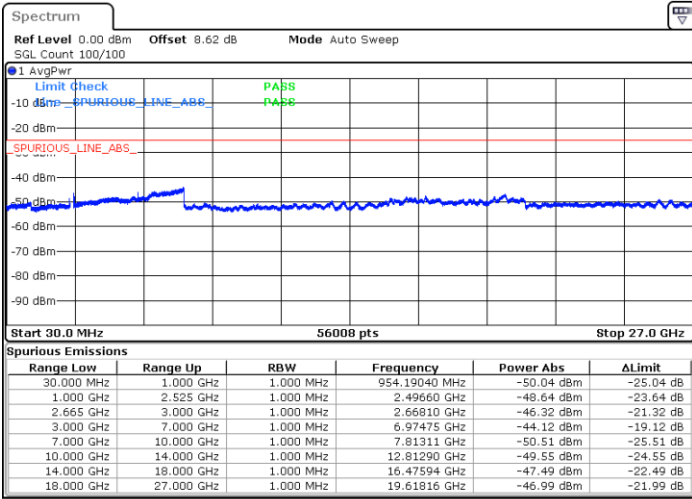
Conducted Spurious Emission

LTE Band 38C / 15MHz+15MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0

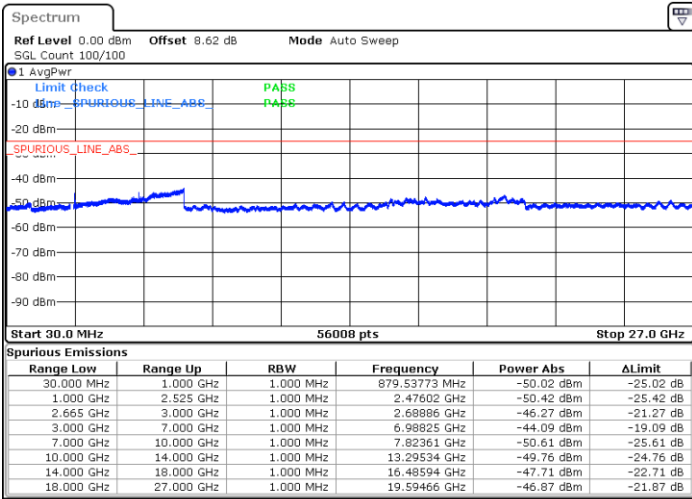


Date: 29 JUN.2023 15:22:01

Date: 29 JUN.2023 15:25:31

Highest Channel / 1RB74 and 1RB0

N/A



Date: 29 JUN.2023 15:29:08

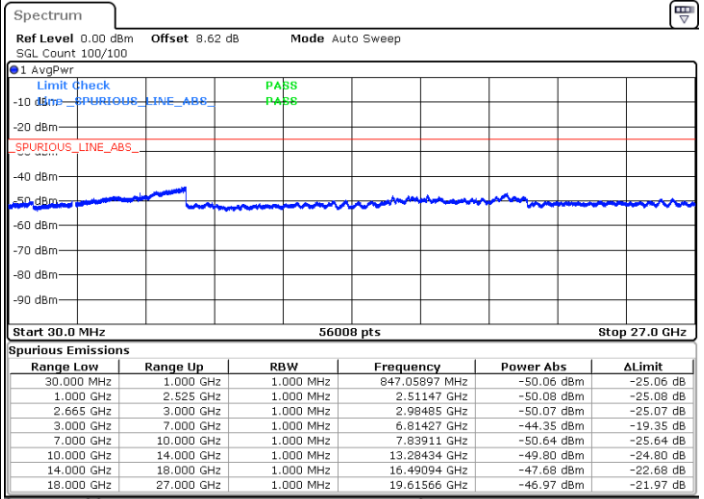
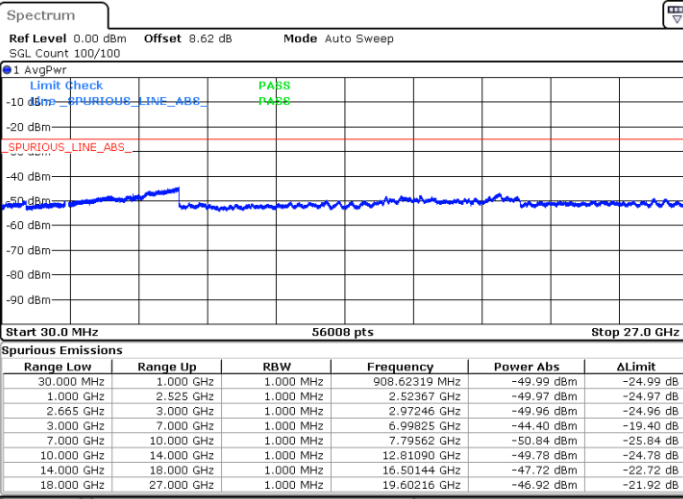


LTE Band 38C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

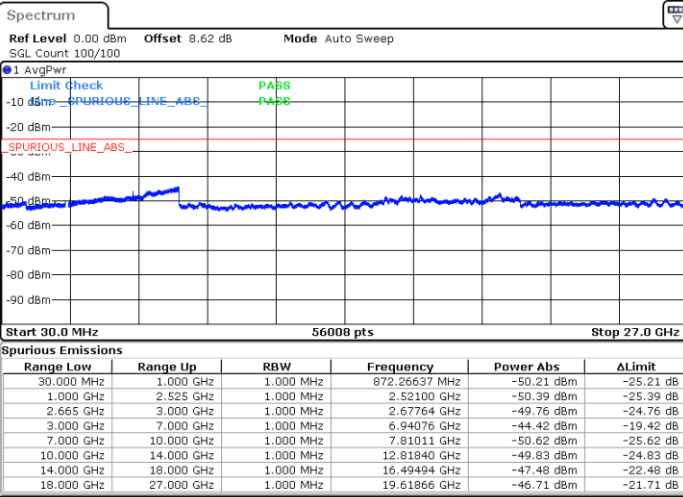


Date: 29 JUN.2023 16:22:04

Date: 29 JUN.2023 16:25:30

Highest Channel / 1RB99 and 1RB0

N/A



Date: 29 JUN.2023 16:29:23



Frequency Stability

Test Conditions		LTE Band 38C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0017	

Note:

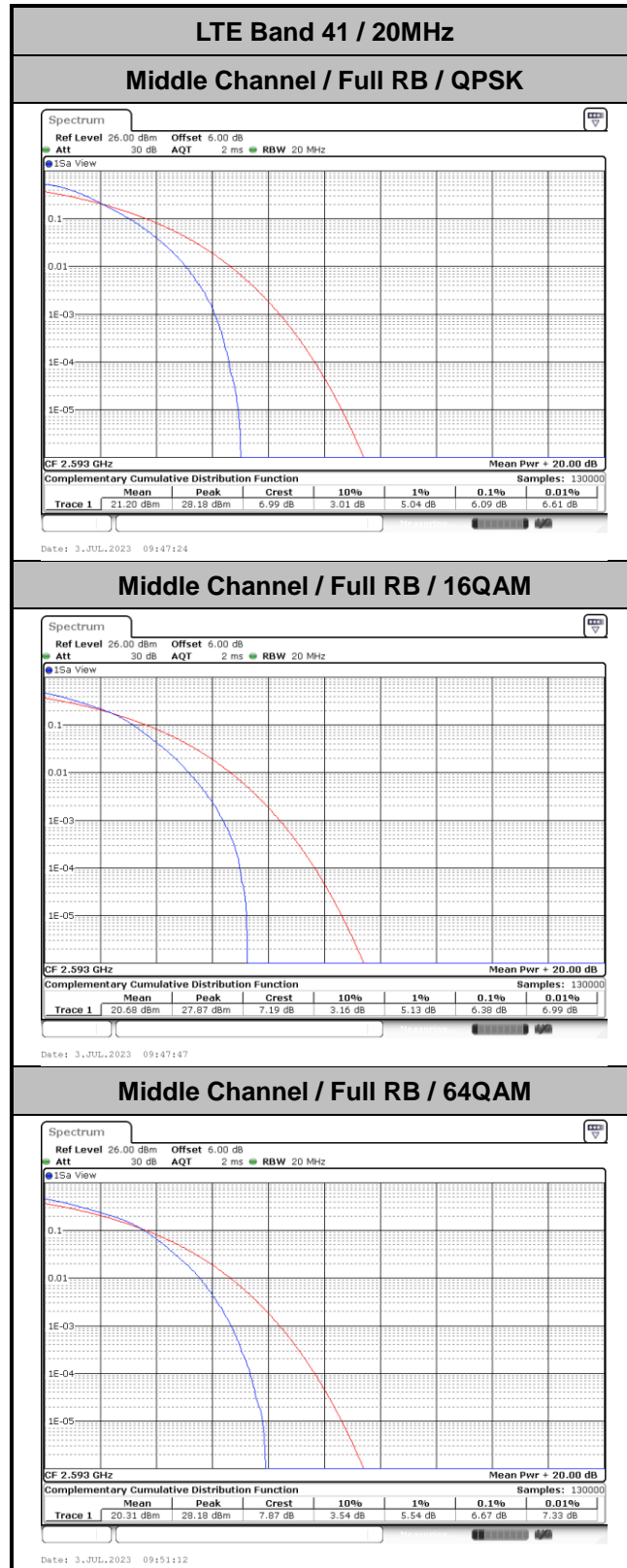
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41 for Main PA

Peak-to-Average Ratio

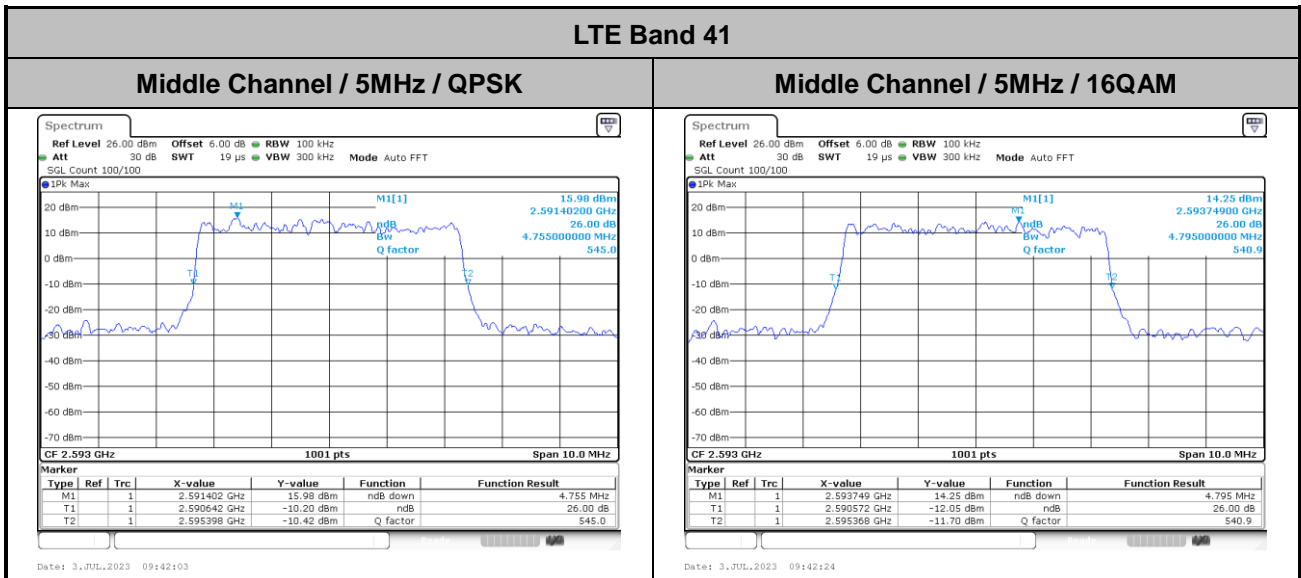
Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	6.09	6.38	6.67	PASS





26dB Bandwidth

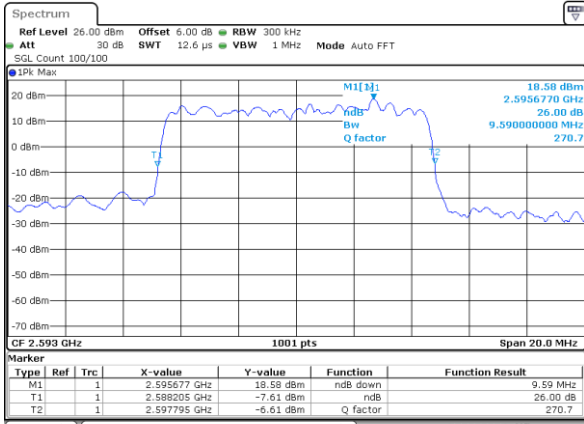
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.76	4.80
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.59	9.77
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.21	14.09
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.70	18.82





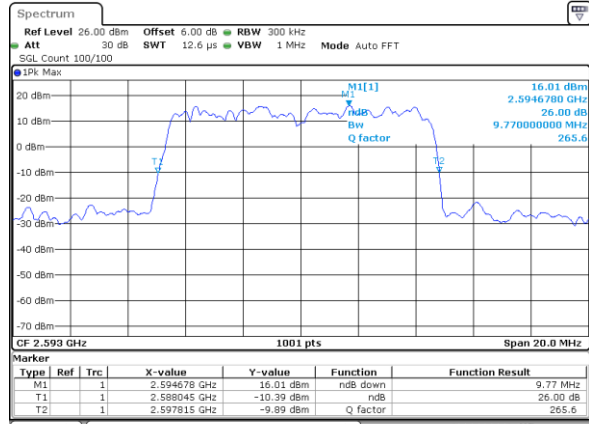
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 3.JUL.2023 09:43:29

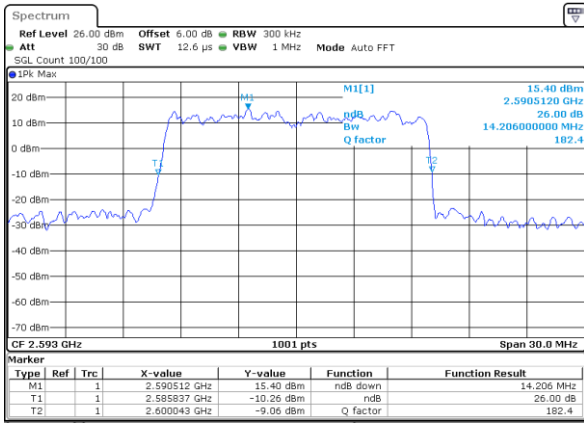
Middle Channel / 10MHz / 16QAM



Date: 3.JUL.2023 09:43:50

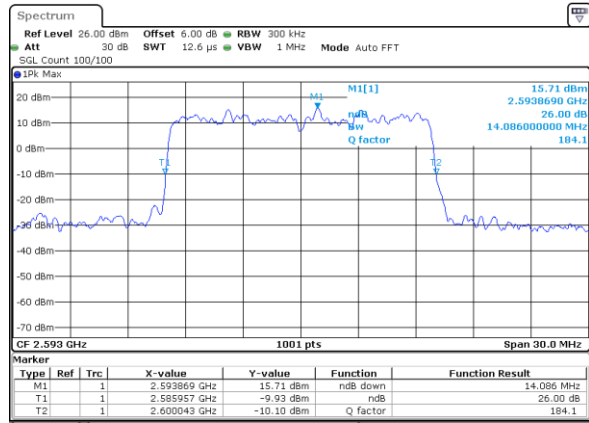
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 3.JUL.2023 09:44:54

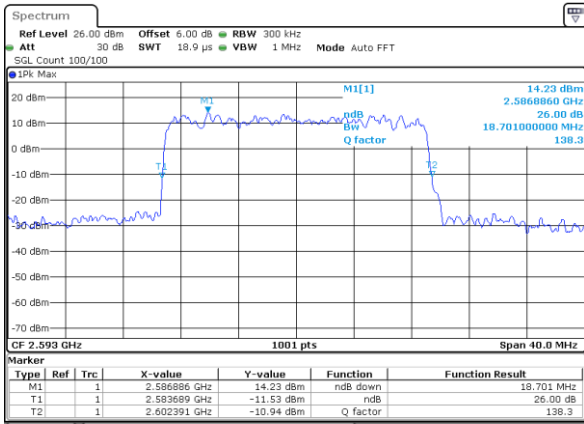
Middle Channel / 15MHz / 16QAM



Date: 3.JUL.2023 09:45:15

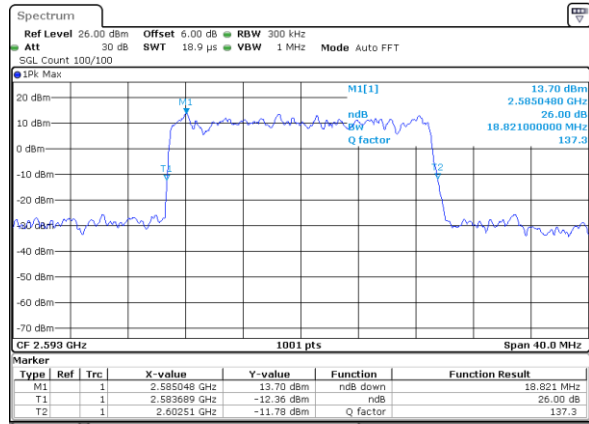
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 3.JUL.2023 09:46:19

Middle Channel / 20MHz / 16QAM

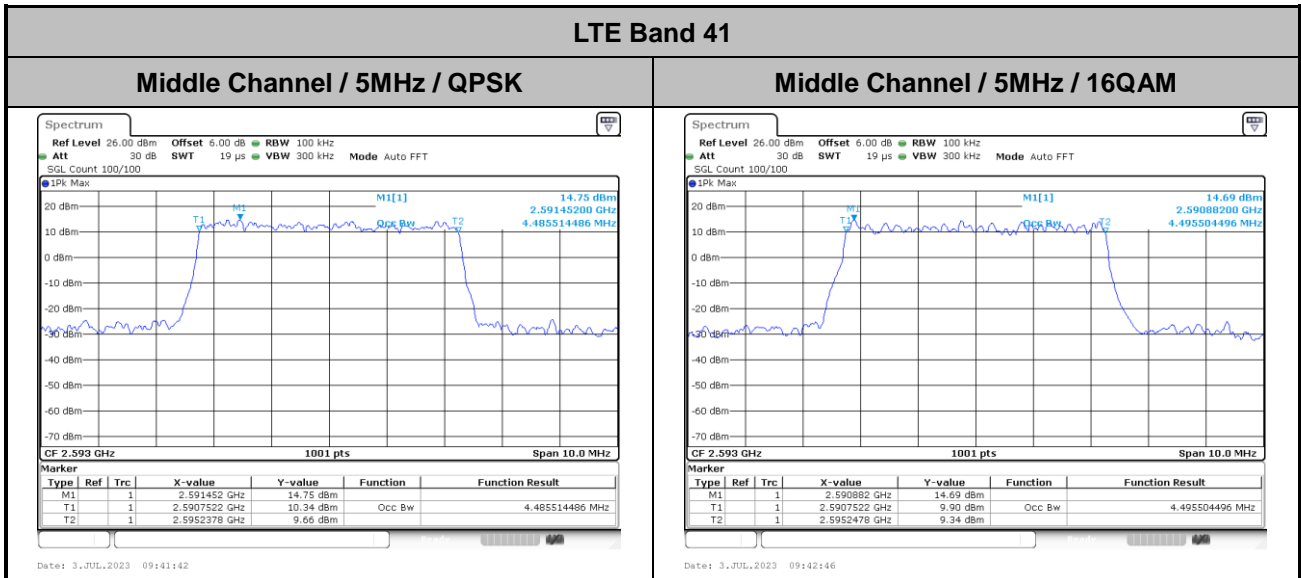


Date: 3.JUL.2023 09:46:41



Occupied Bandwidth

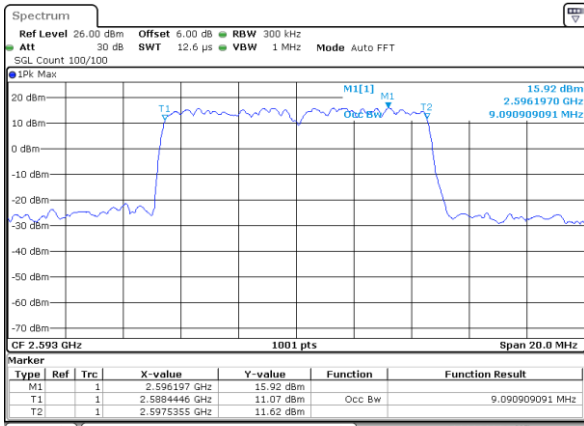
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.09	9.01
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.40	13.46
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.86	17.82





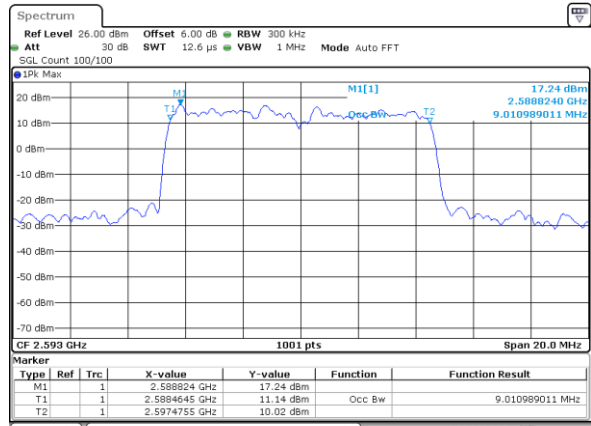
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 3.JUL.2023 09:43:07

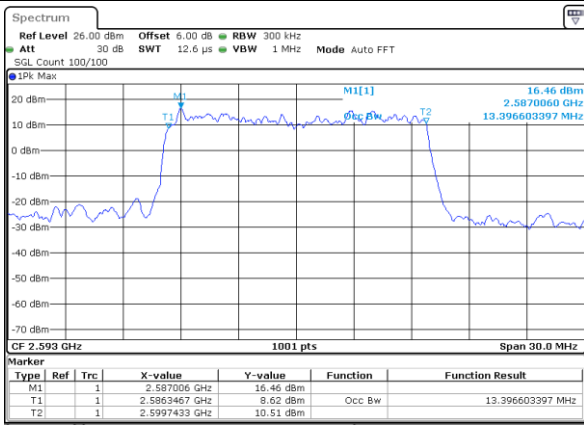
Middle Channel / 10MHz / 16QAM



Date: 3.JUL.2023 09:44:11

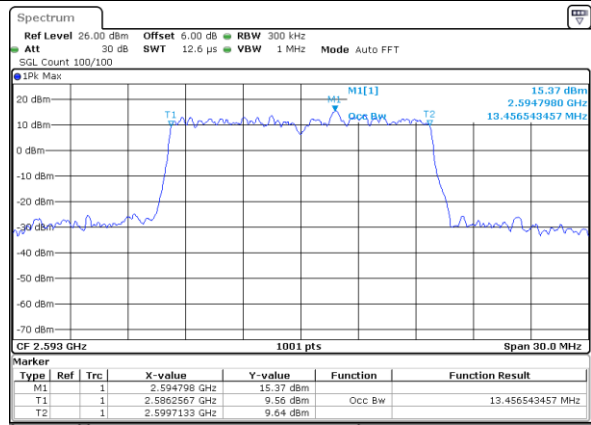
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 3.JUL.2023 09:44:33

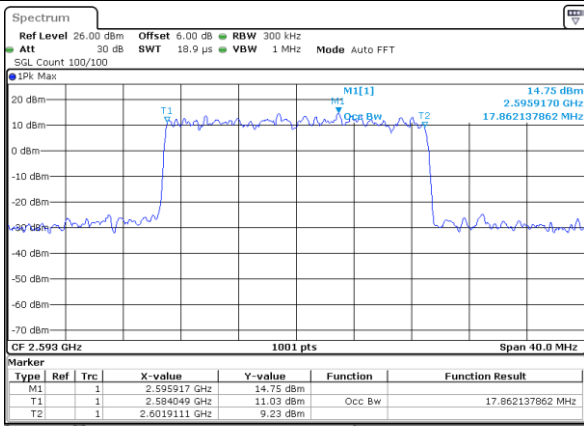
Middle Channel / 15MHz / 16QAM



Date: 3.JUL.2023 09:45:36

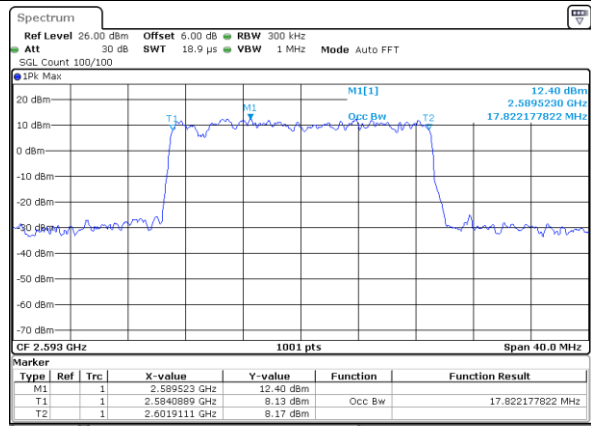
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 3.JUL.2023 09:45:58

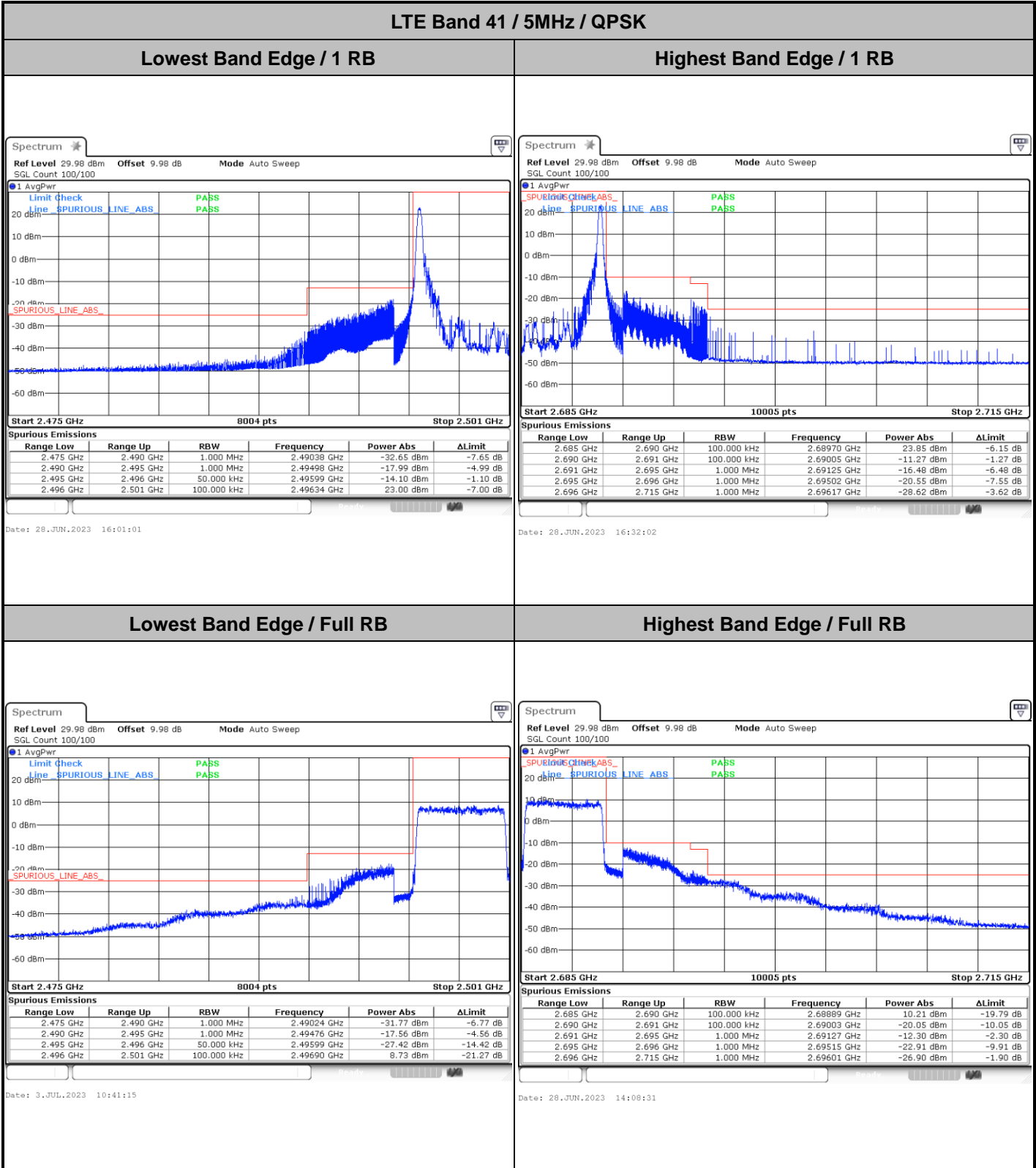
Middle Channel / 20MHz / 16QAM



Date: 3.JUL.2023 09:47:02



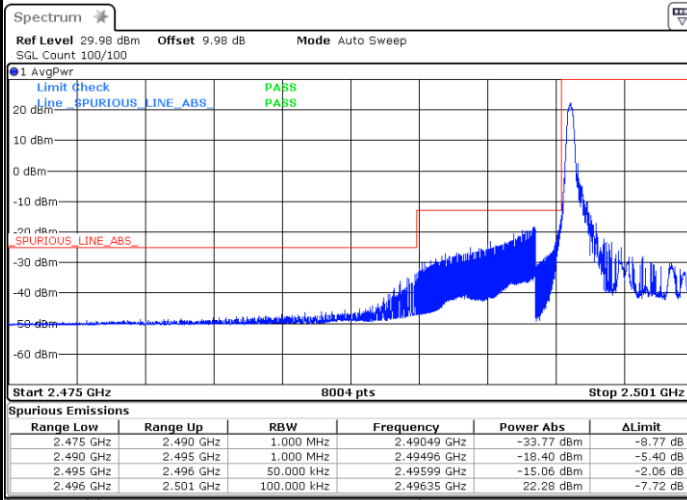
Conducted Band Edge





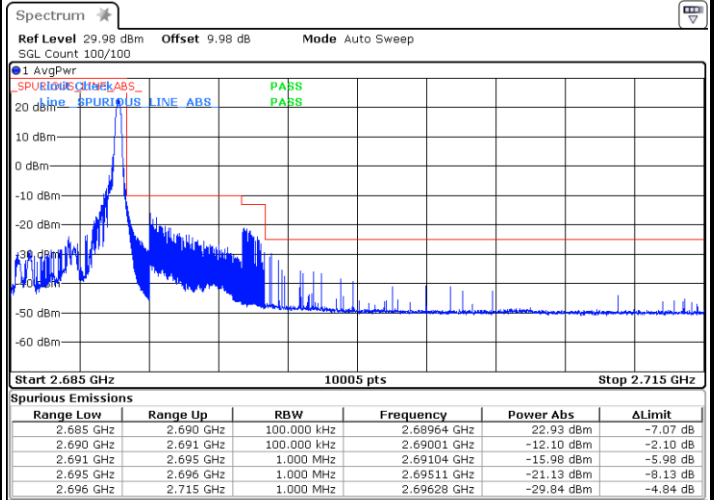
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



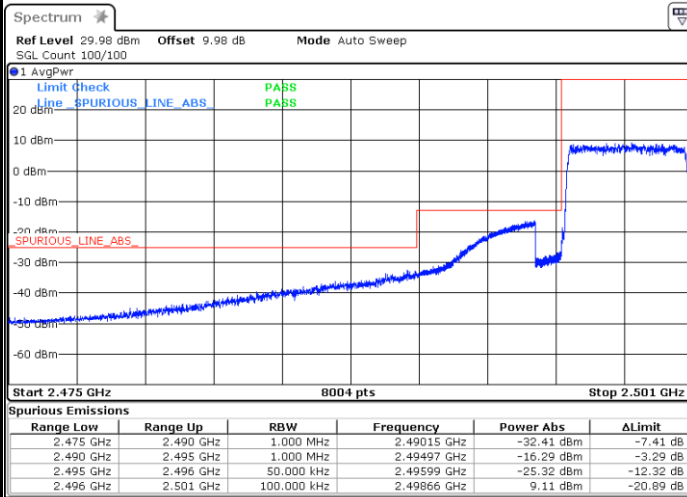
Date: 28 JUN.2023 16:03:02

Highest Band Edge / 1 RB



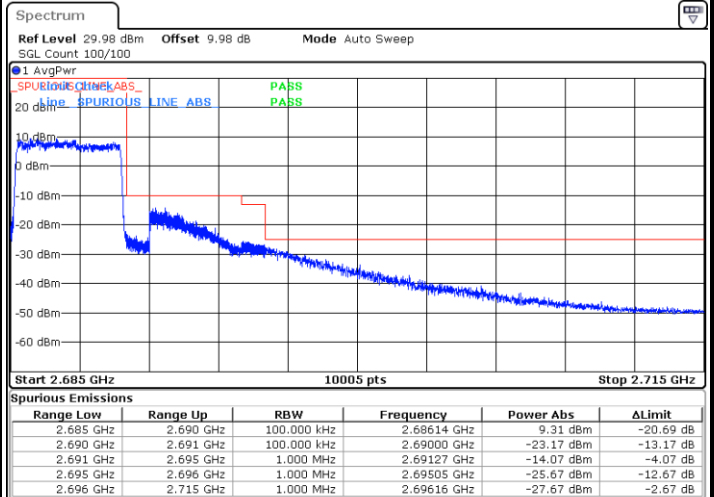
Date: 28 JUN.2023 16:34:56

Lowest Band Edge / Full RB



Date: 28 JUN.2023 16:12:20

Highest Band Edge / Full RB

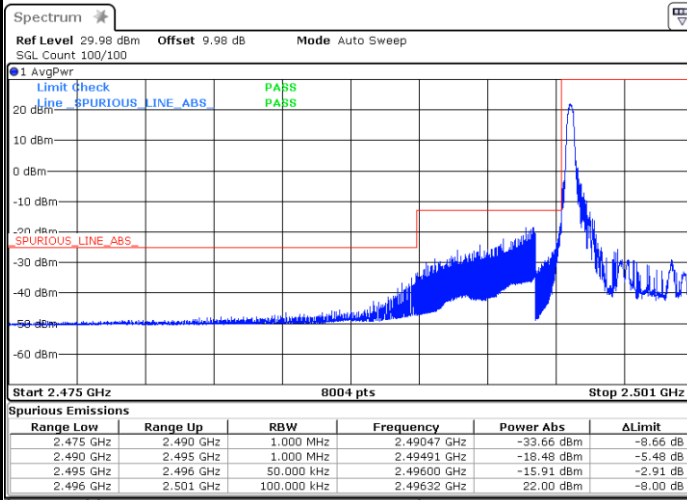


Date: 28 JUN.2023 14:07:31



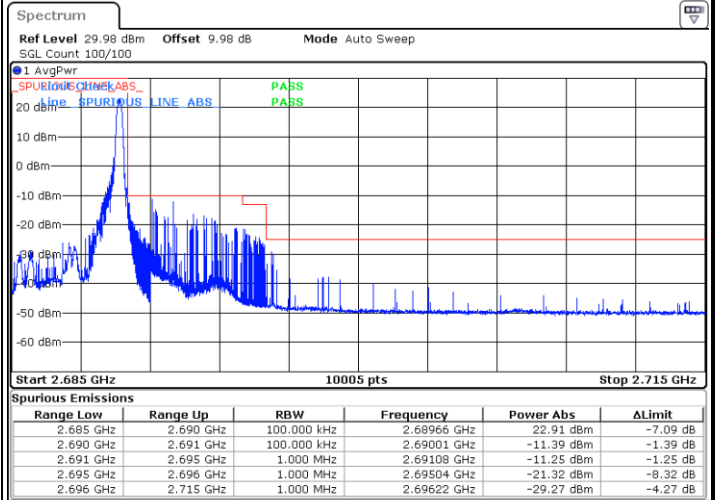
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



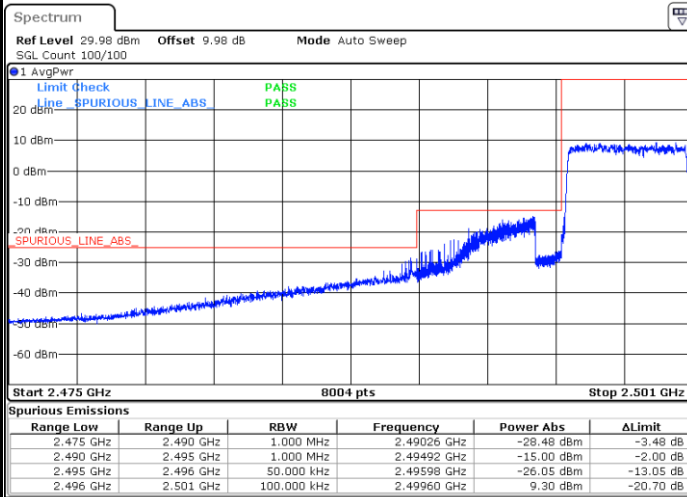
Date: 28 JUN.2023 16:10:29

Highest Band Edge / 1 RB



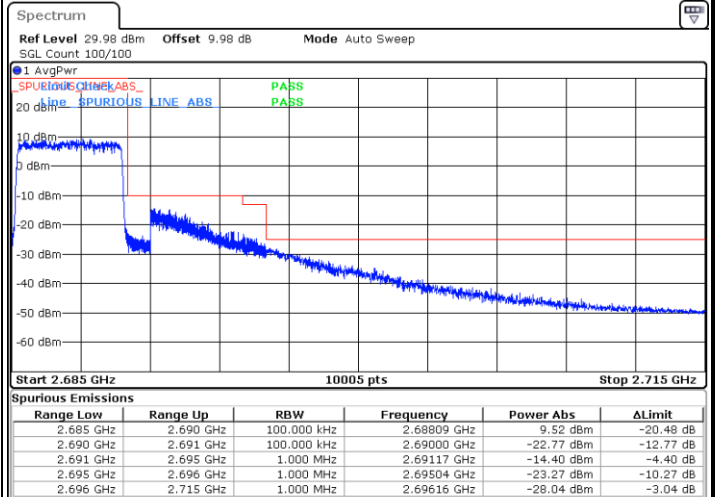
Date: 28 JUN.2023 16:36:06

Lowest Band Edge / Full RB



Date: 28 JUN.2023 16:28:39

Highest Band Edge / Full RB

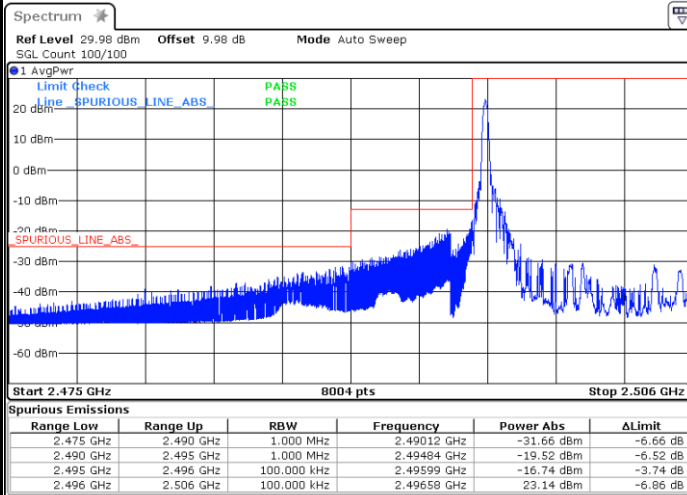


Date: 28 JUN.2023 14:06:31



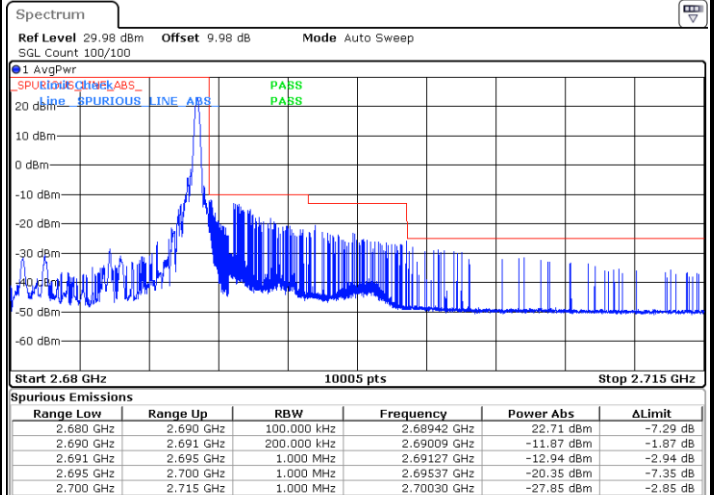
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



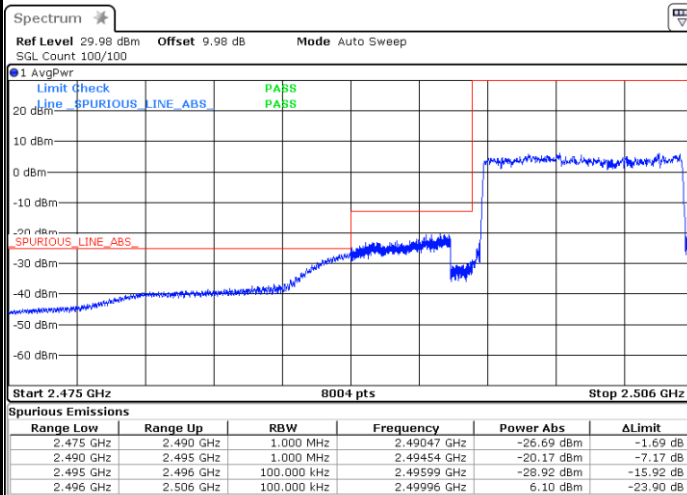
Date: 28 JUN 2023 15:40:20

Highest Band Edge / 1 RB



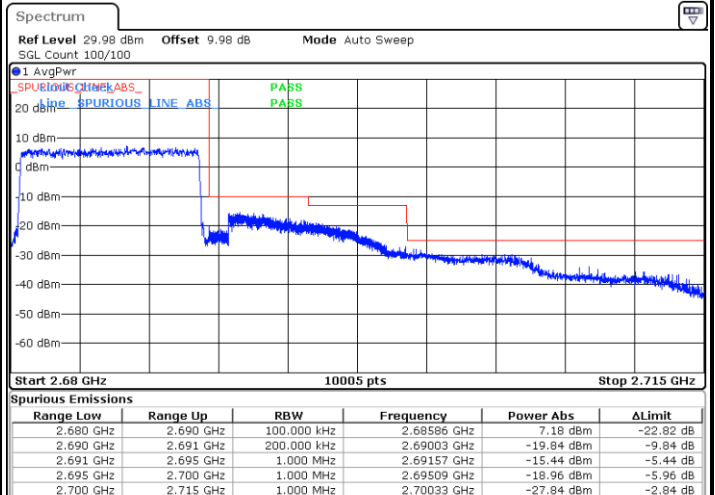
Date: 28 JUN 2023 15:57:16

Lowest Band Edge / Full RB



Date: 3 JUL 2023 10:32:43

Highest Band Edge / Full RB

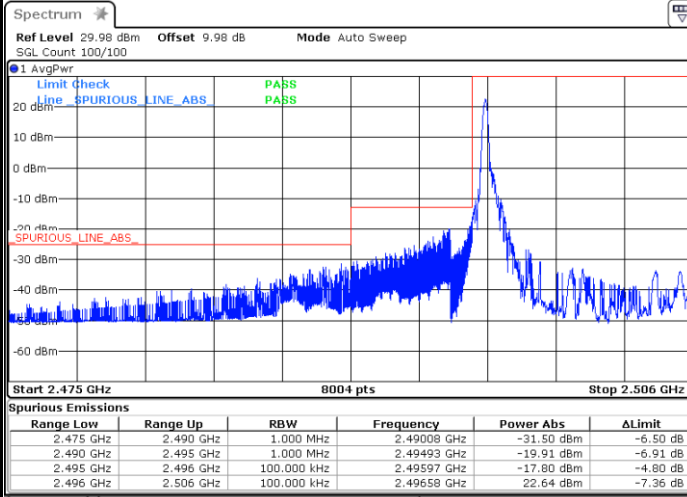


Date: 28 JUN 2023 14:24:51



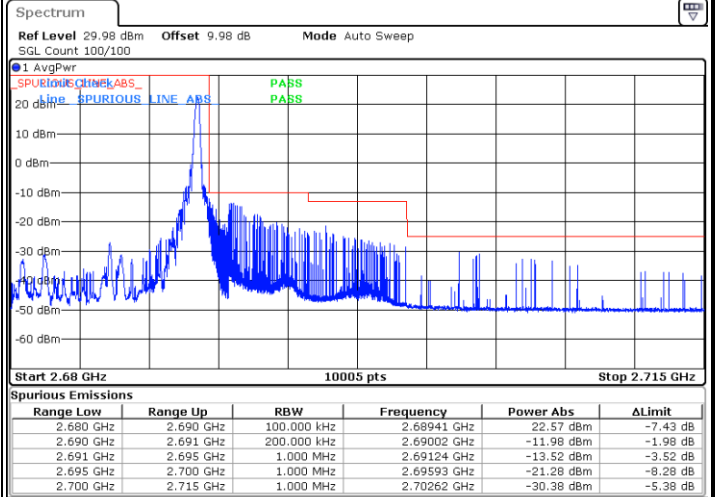
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



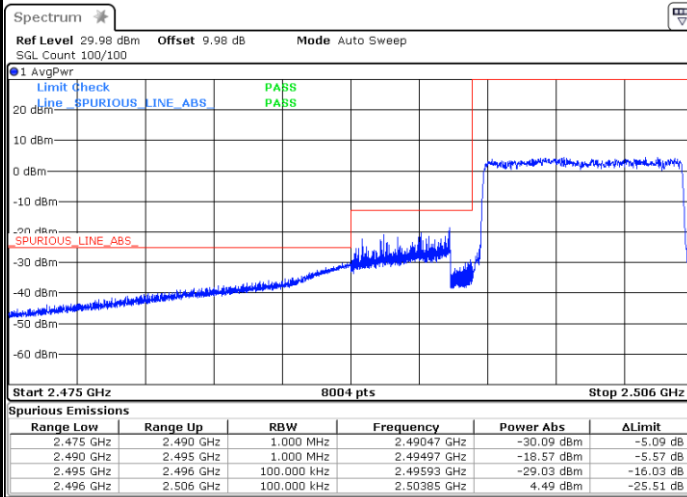
Date: 28 JUN 2023 15:42:03

Highest Band Edge / 1 RB



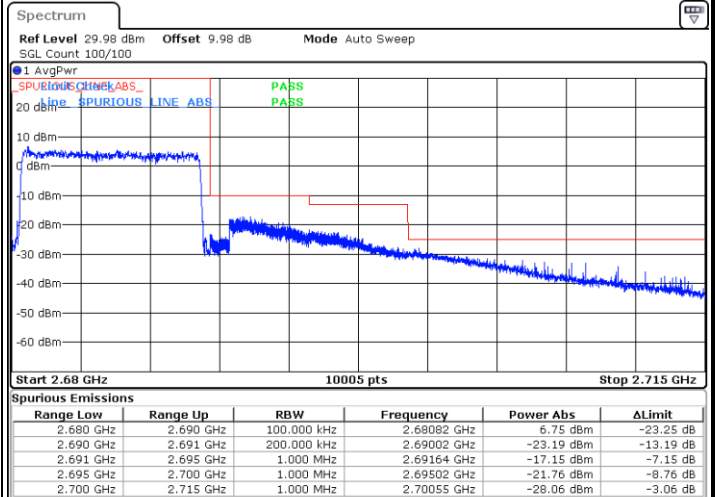
Date: 28 JUN 2023 14:20:51

Lowest Band Edge / Full RB



Date: 3 JUL 2023 10:35:01

Highest Band Edge / Full RB

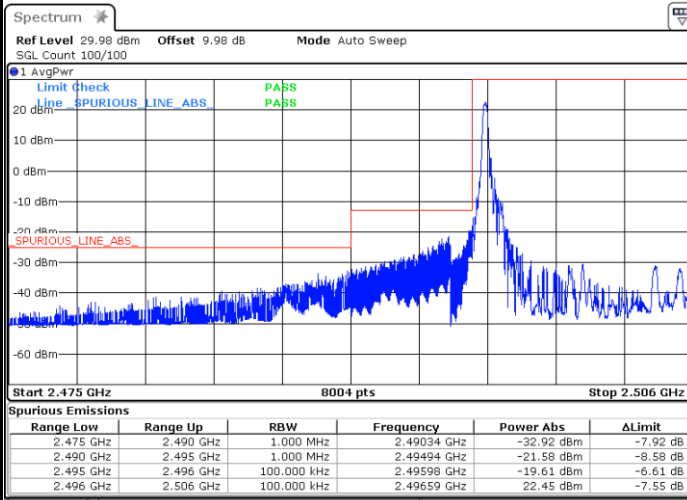


Date: 28 JUN 2023 14:23:51



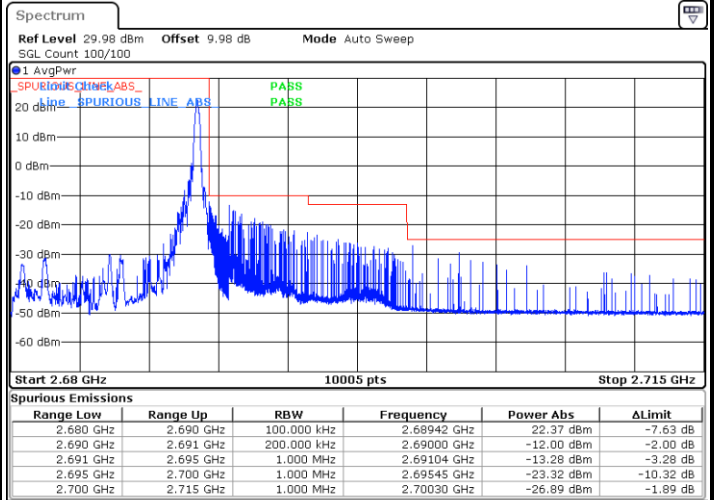
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



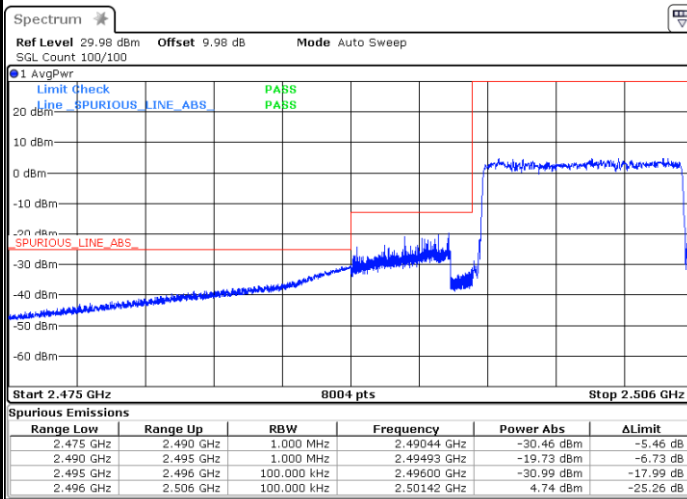
Date: 28 JUN.2023 15:43:34

Highest Band Edge / 1 RB



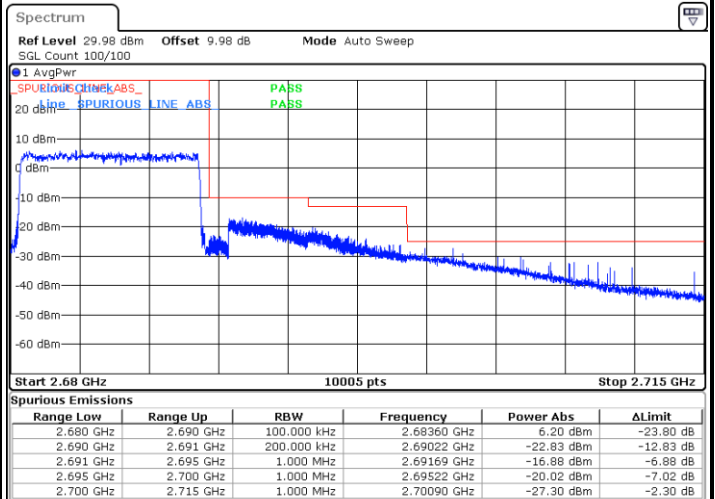
Date: 28 JUN.2023 14:21:51

Lowest Band Edge / Full RB



Date: 3 JUL.2023 10:37:46

Highest Band Edge / Full RB

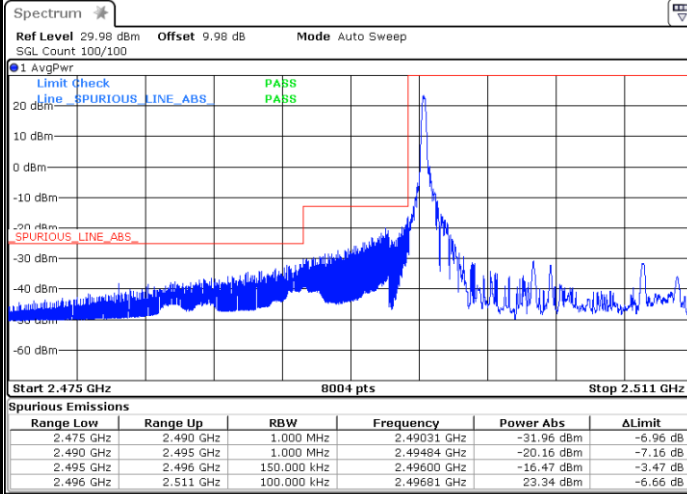


Date: 28 JUN.2023 14:22:51



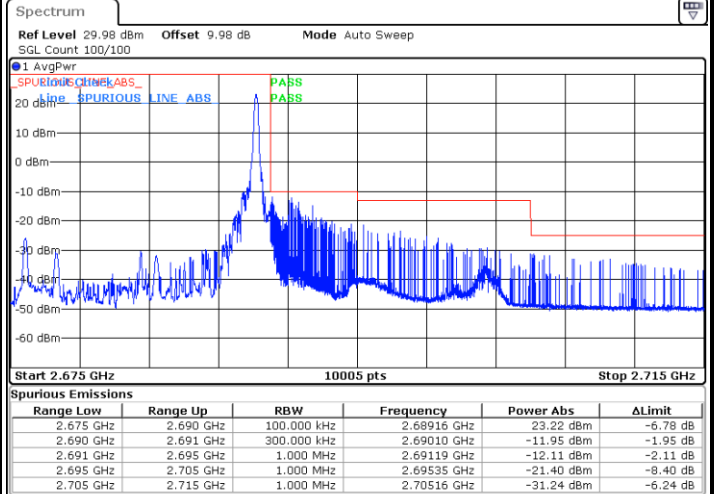
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



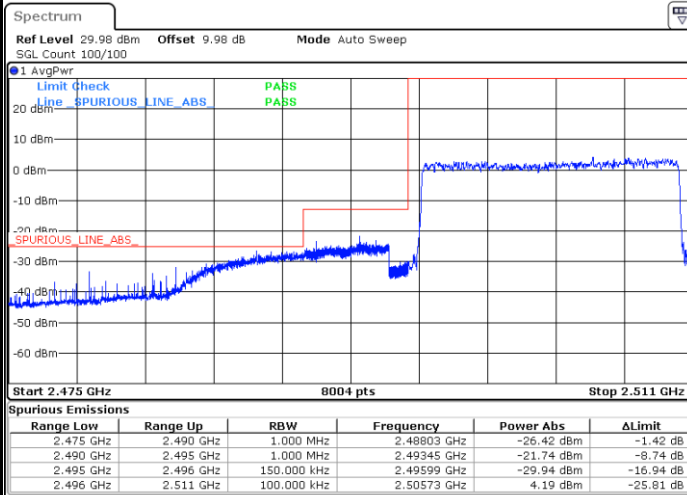
Date: 28 JUN 2023 15:22:48

Highest Band Edge / 1 RB



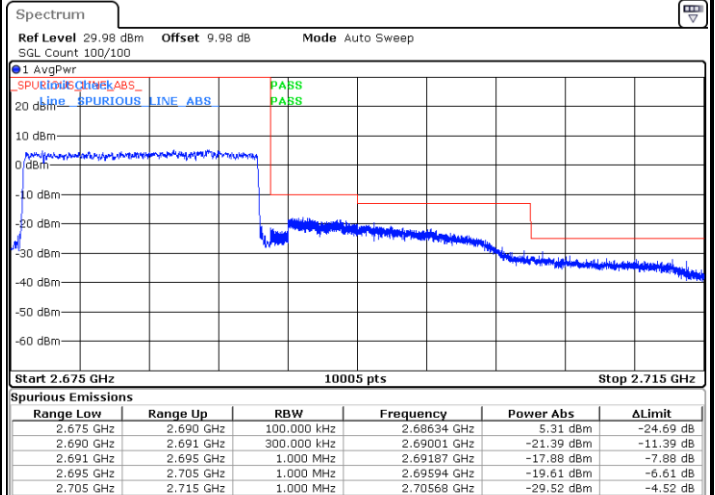
Date: 28 JUN 2023 14:36:12

Lowest Band Edge / Full RB



Date: 3 JUL 2023 10:29:30

Highest Band Edge / Full RB

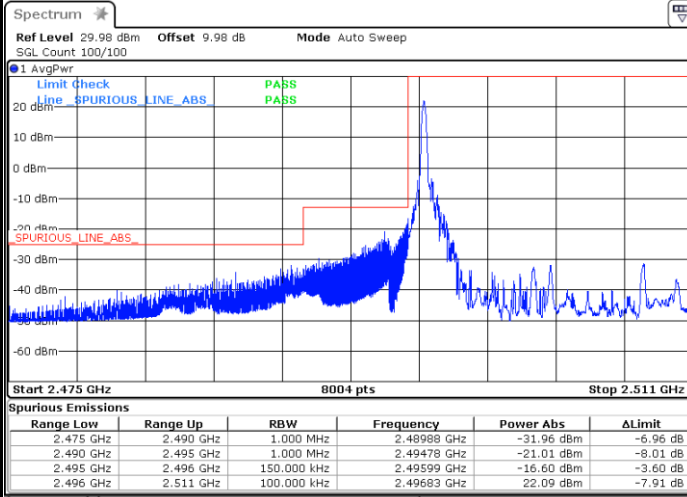


Date: 28 JUN 2023 14:41:12



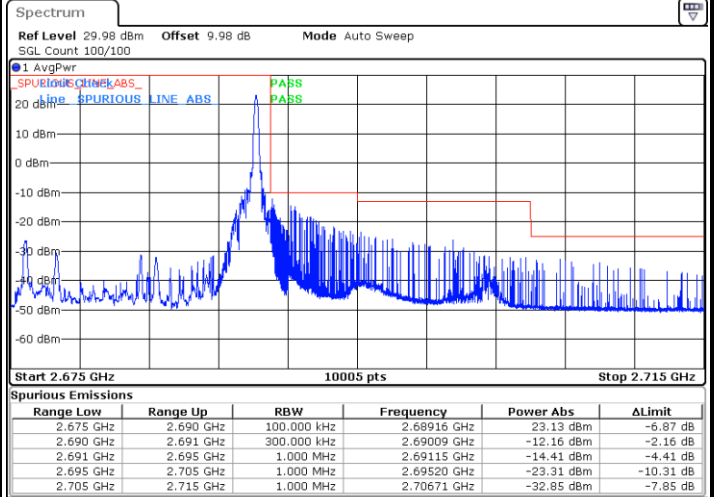
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



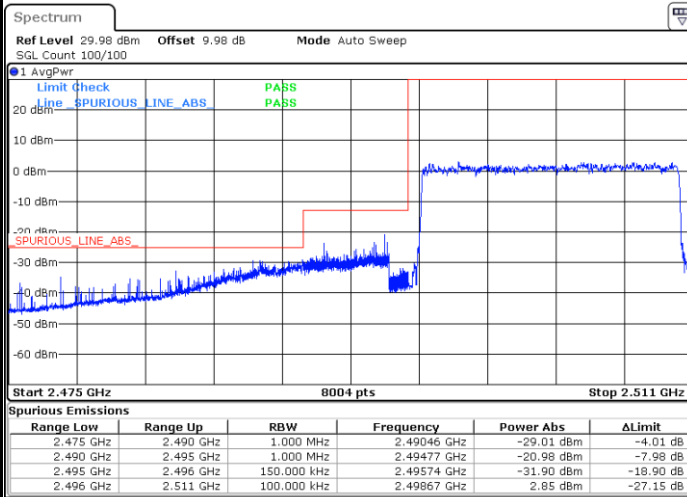
Date: 28 JUN.2023 15:24:33

Highest Band Edge / 1 RB



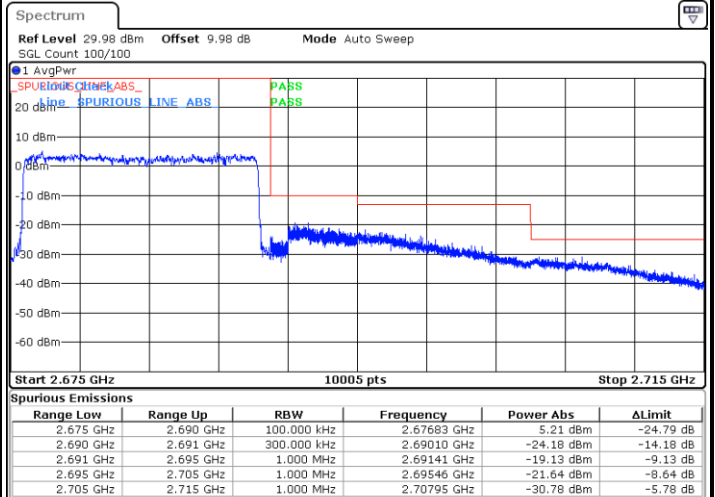
Date: 28 JUN.2023 14:37:12

Lowest Band Edge / Full RB



Date: 3 JUL.2023 10:30:04

Highest Band Edge / Full RB

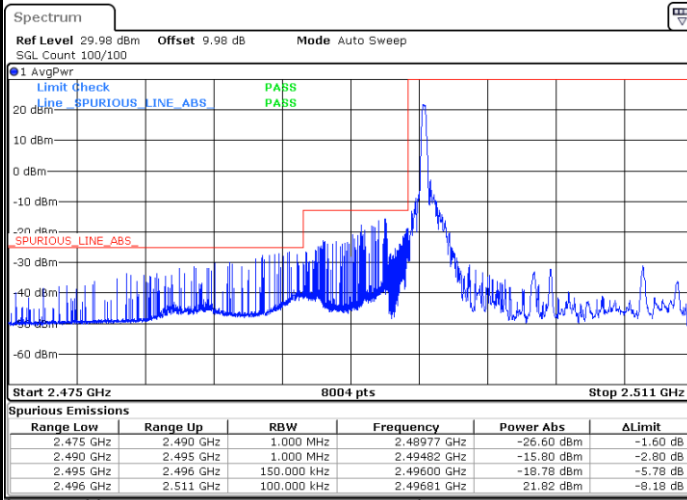


Date: 28 JUN.2023 14:40:12



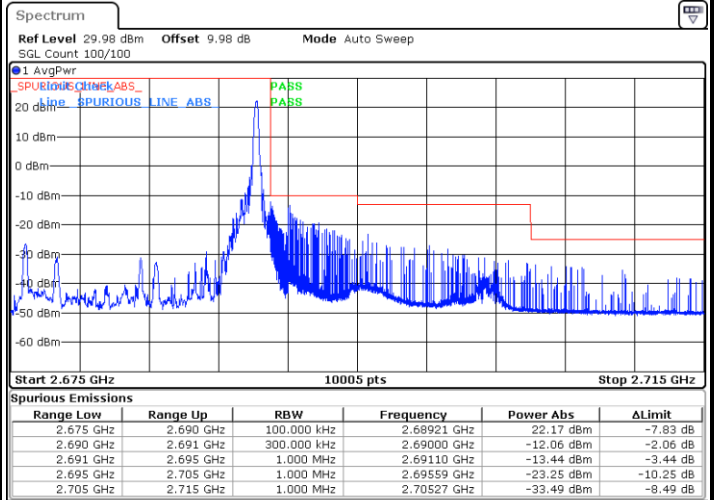
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



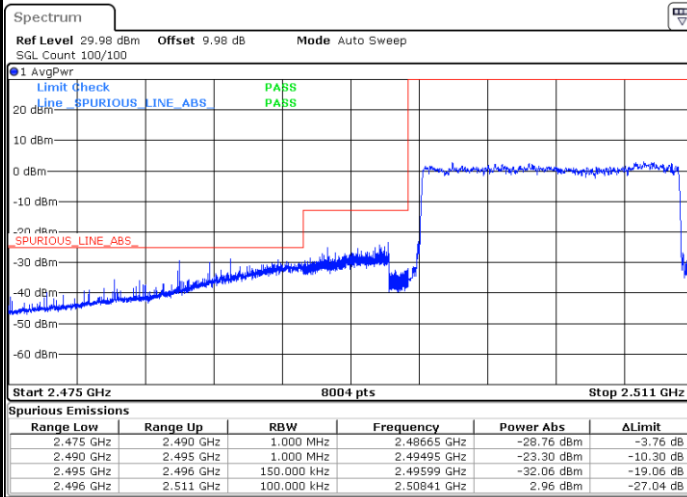
Date: 28 JUN.2023 14:29:21

Highest Band Edge / 1 RB



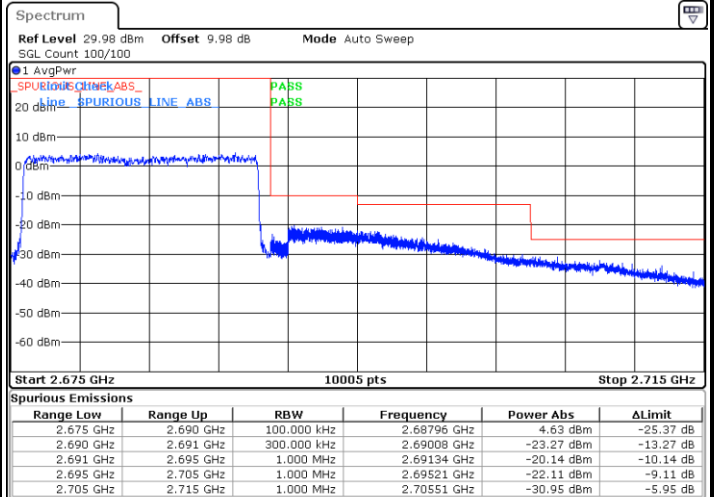
Date: 28 JUN.2023 14:38:12

Lowest Band Edge / Full RB



Date: 3 JUL.2023 10:30:38

Highest Band Edge / Full RB

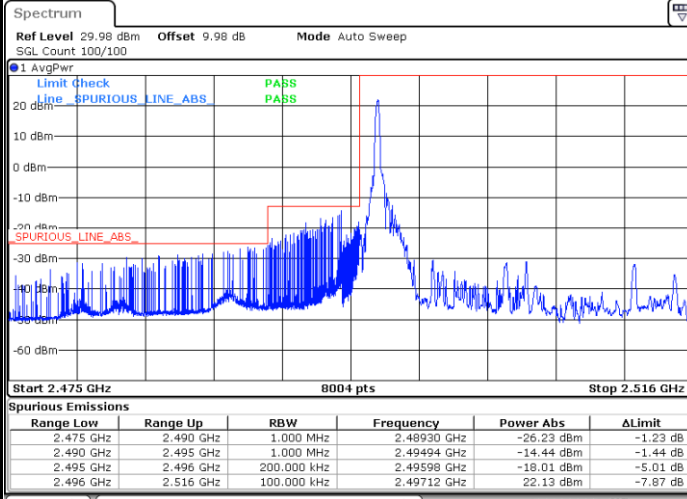


Date: 28 JUN.2023 14:39:12



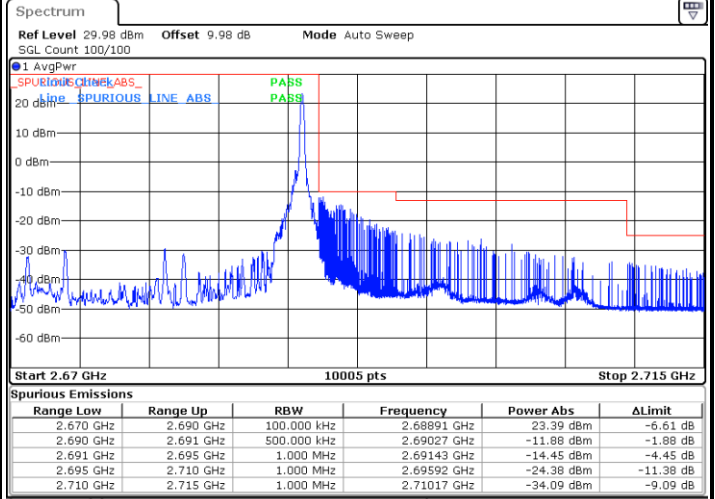
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



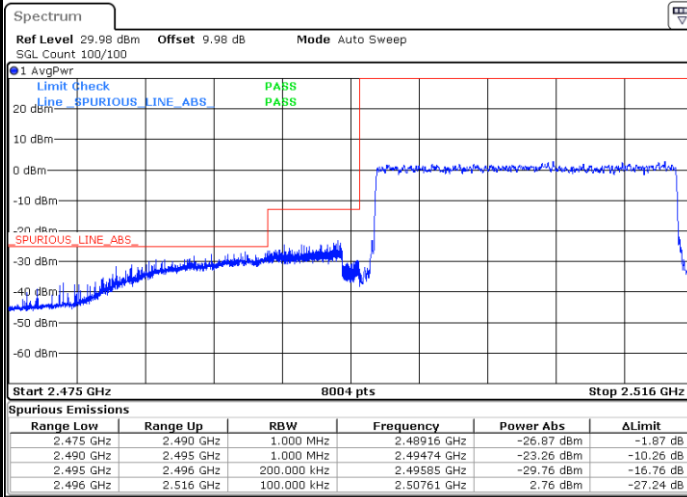
Date: 28 JUN 2023 14:43:37

Highest Band Edge / 1 RB



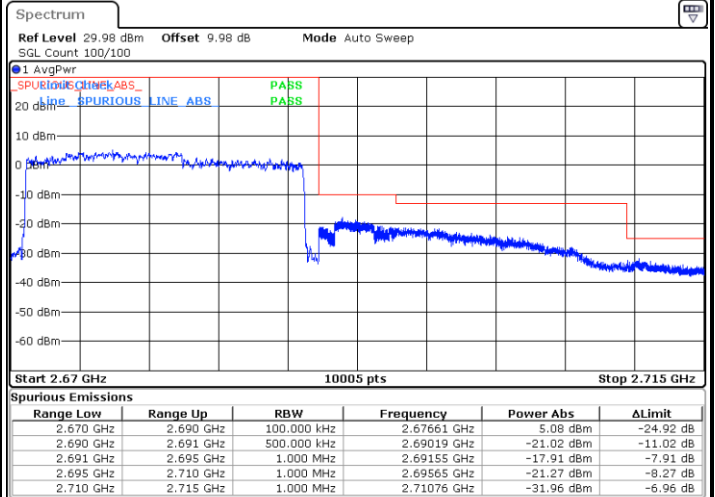
Date: 28 JUN 2023 14:52:31

Lowest Band Edge / Full RB



Date: 3 JUL 2023 10:26:37

Highest Band Edge / Full RB

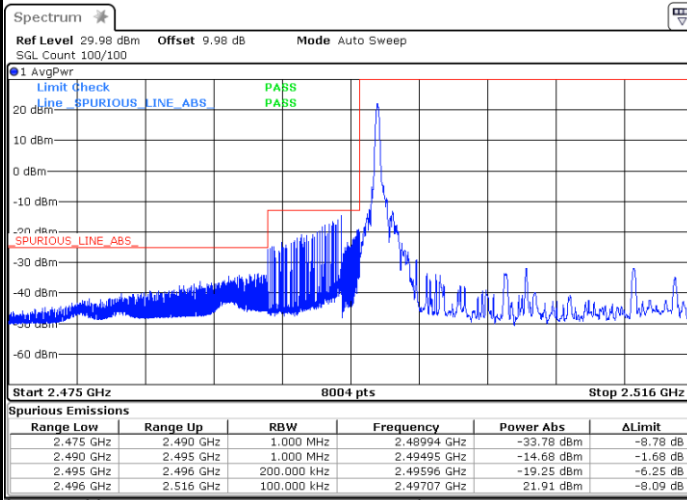


Date: 28 JUN 2023 14:57:31



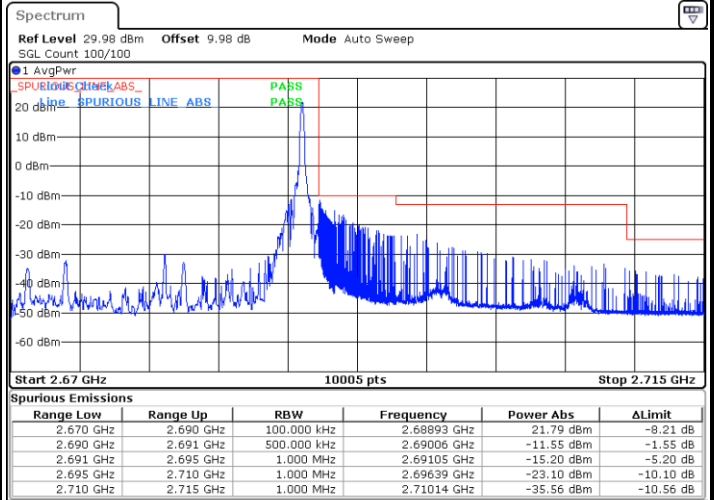
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



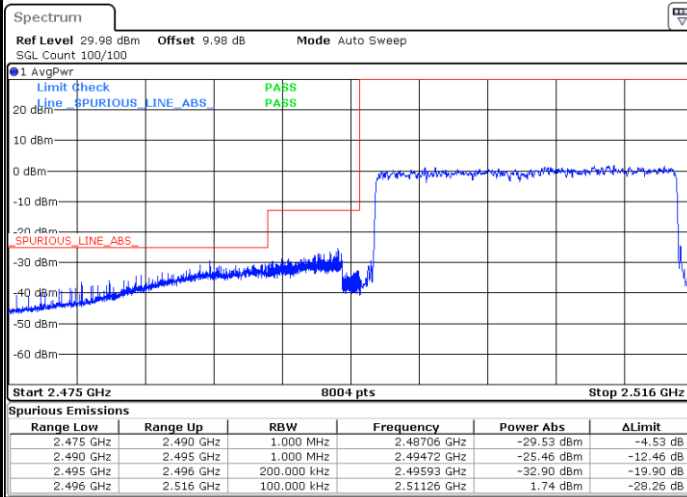
Date: 28 JUN 2023 14:59:12

Highest Band Edge / 1 RB



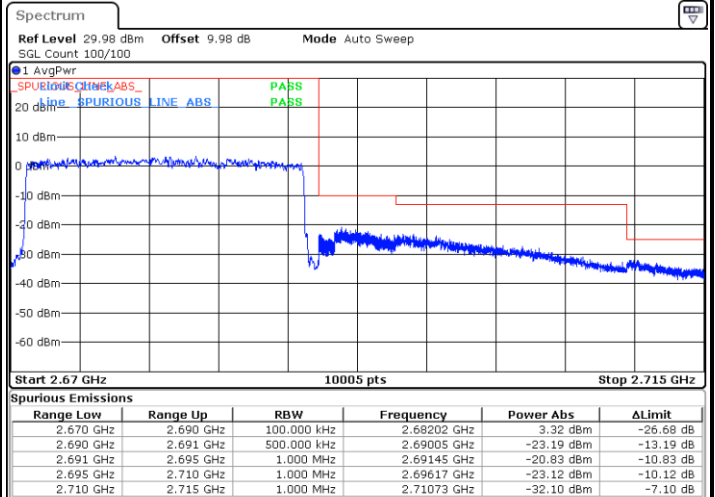
Date: 28 JUN 2023 14:53:31

Lowest Band Edge / Full RB



Date: 3 JUL 2023 10:27:09

Highest Band Edge / Full RB

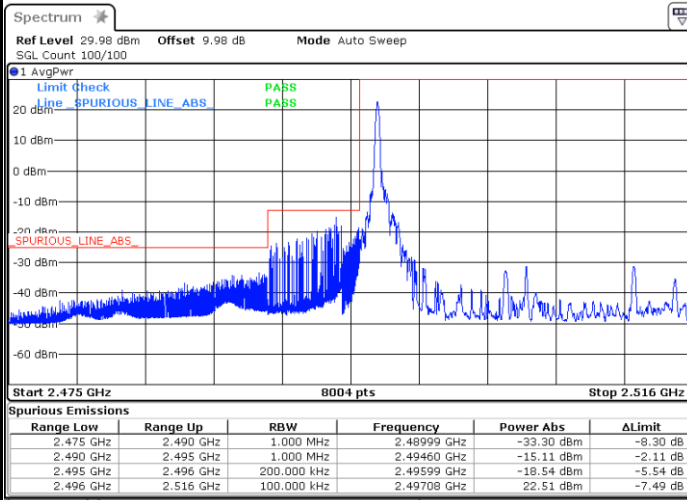


Date: 28 JUN 2023 14:56:31



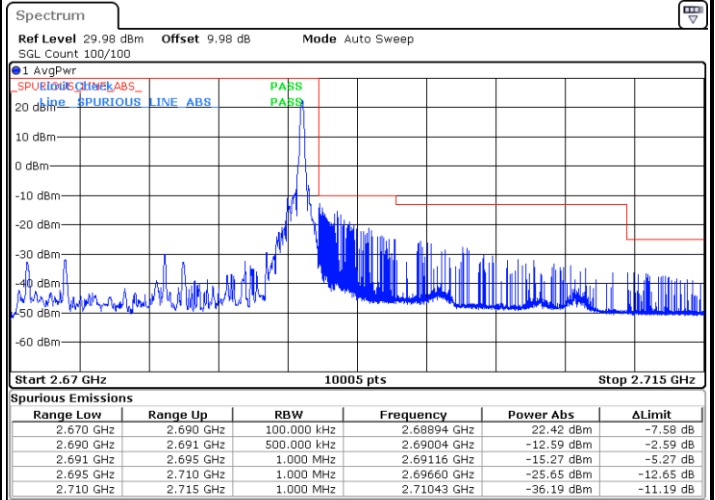
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



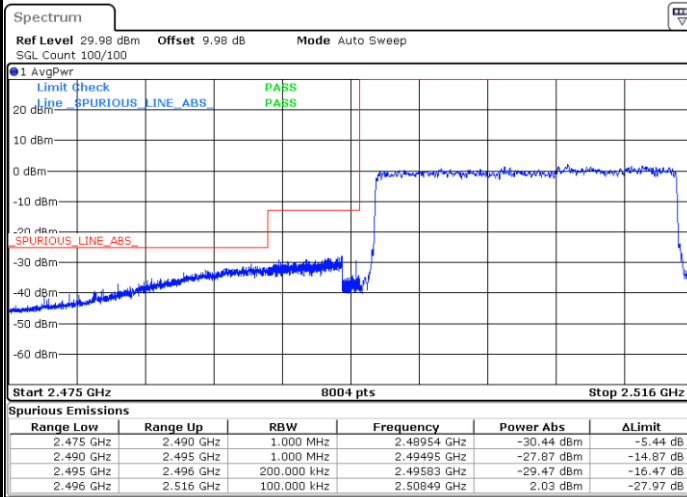
Date: 28 JUN 2023 15:00:17

Highest Band Edge / 1 RB



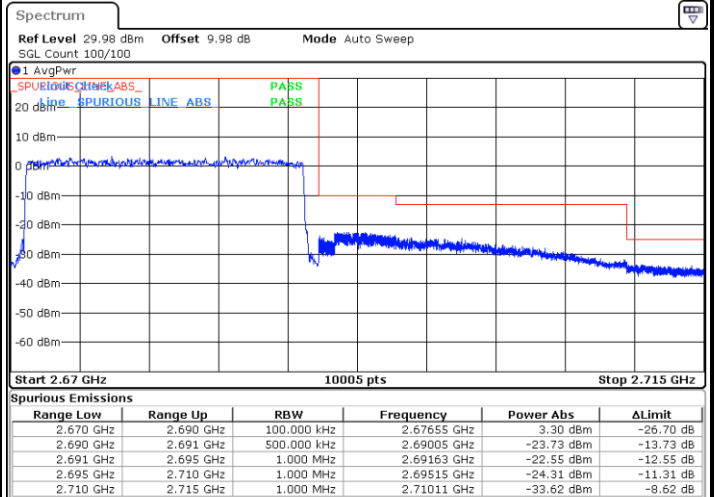
Date: 28 JUN 2023 14:54:31

Lowest Band Edge / Full RB



Date: 3 JUL 2023 10:27:47

Highest Band Edge / Full RB



Date: 28 JUN 2023 14:55:31