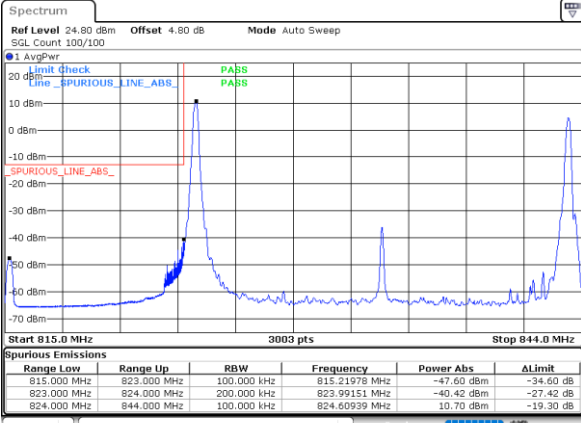




LTE Band 5B / 10MHz+10MHz

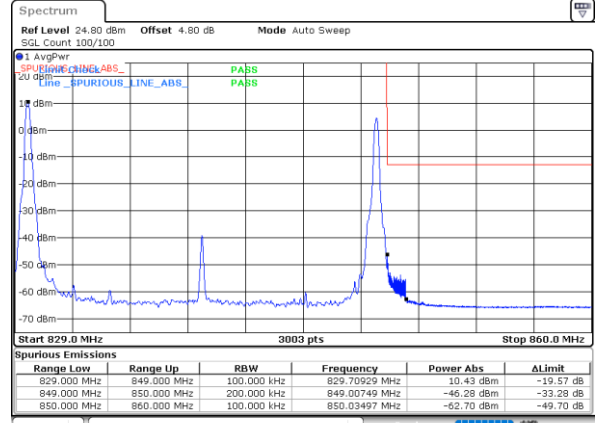
64QAM

Lowest Band Edge / 1RB0 and 1RB49



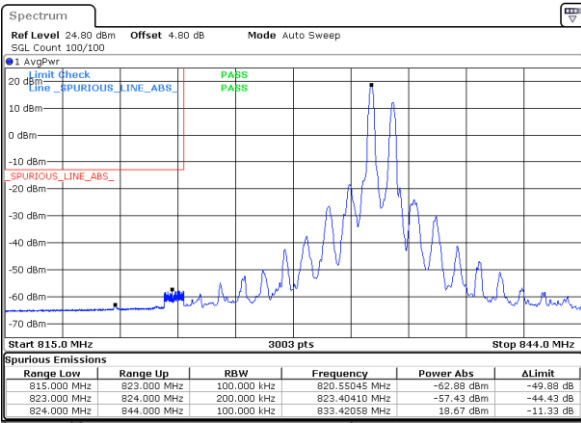
Date: 22.FEB.2023 01:24:57

Highest Band Edge / 1RB0 and 1RB49



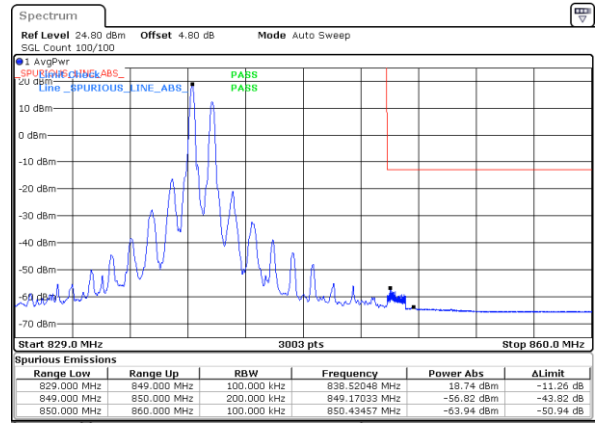
Date: 22.FEB.2023 01:48:50

Lowest Band Edge / 1RB49 and 1RB0



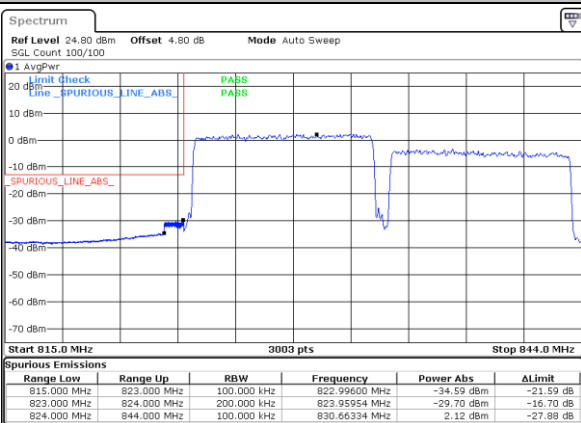
Date: 22.FEB.2023 01:32:52

Highest Band Edge / 1RB49 and 1RB0



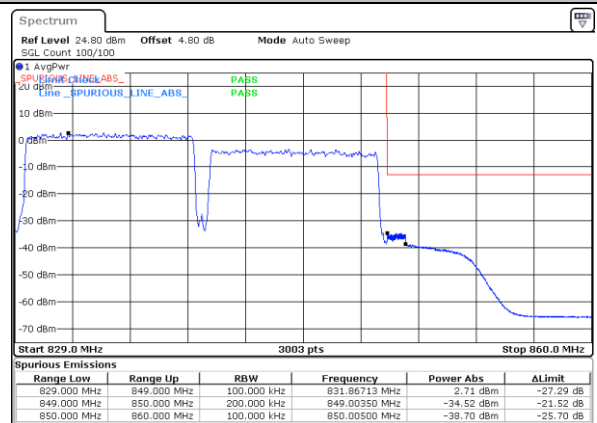
Date: 22.FEB.2023 01:56:46

Lowest Band Edge / Full RB



Date: 22.FEB.2023 01:17:00

Highest Band Edge / Full RB



Date: 22.FEB.2023 01:40:54

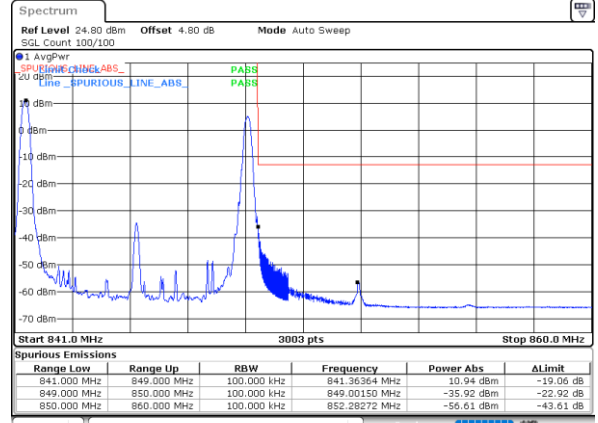
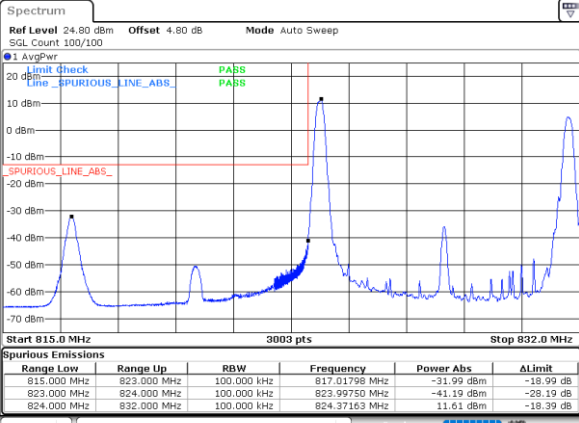


LTE Band 5B / 3MHz+5MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24

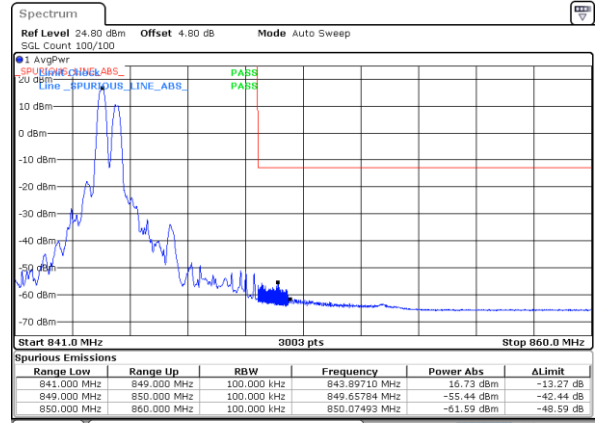
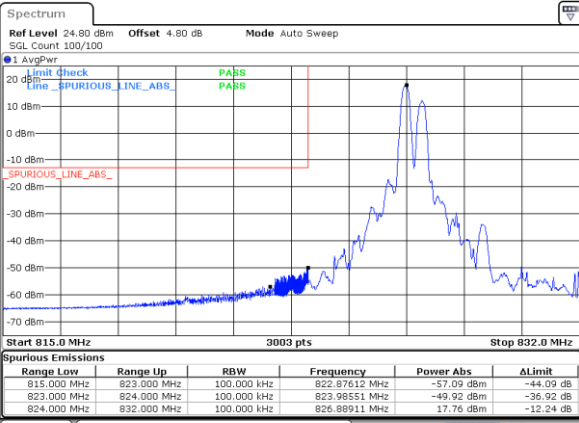


Date: 21.FEB.2023 21:59:41

Date: 21.FEB.2023 22:19:36

Lowest Band Edge / 1RB14 and 1RB0

Highest Band Edge / 1RB14 and 1RB0

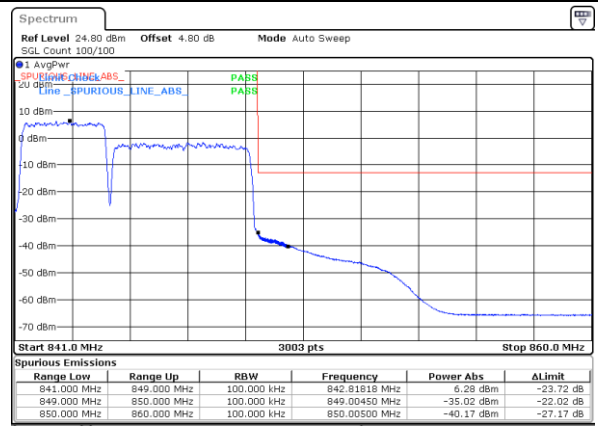
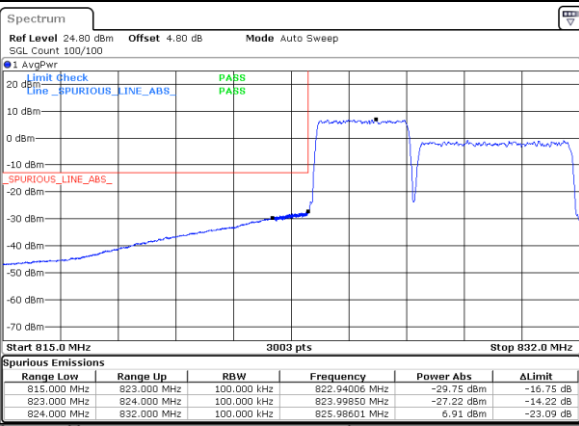


Date: 21.FEB.2023 22:03:57

Date: 21.FEB.2023 22:27:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.FEB.2023 21:47:52

Date: 21.FEB.2023 22:11:40

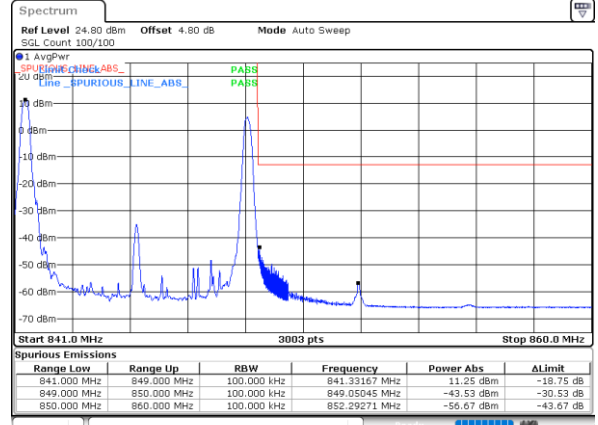
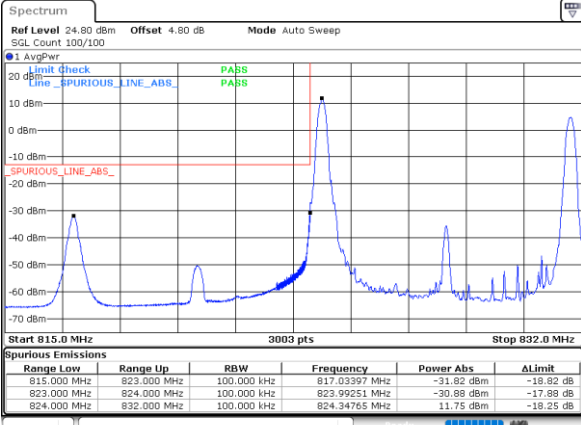


LTE Band 5B / 5MHz+3MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB14

Highest Band Edge / 1RB0 and 1RB14

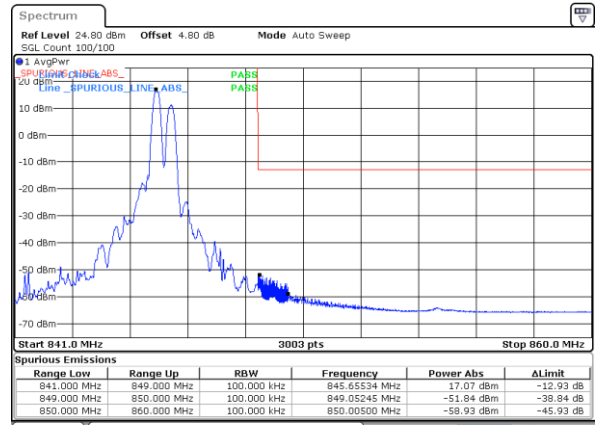
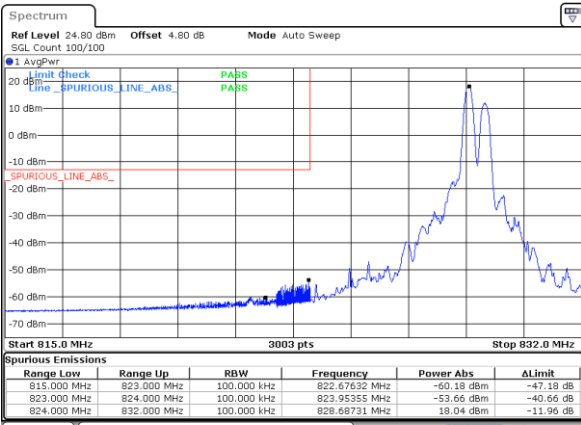


Date: 21.FEB.2023 23:15:58

Date: 21.FEB.2023 23:39:54

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

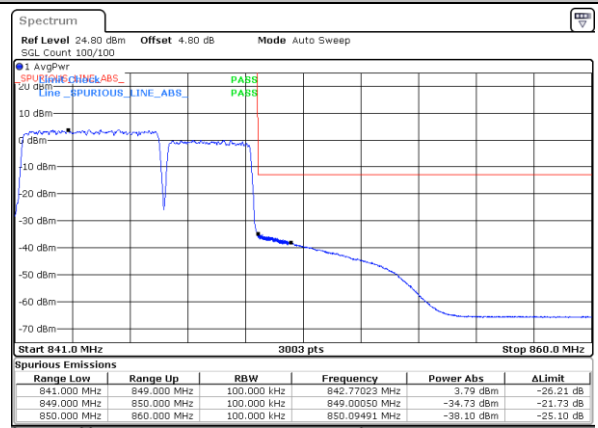
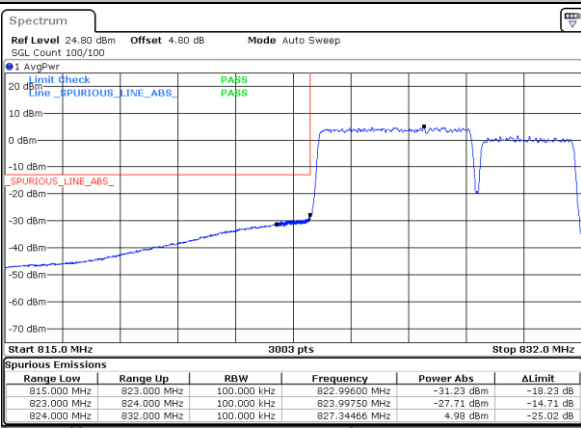


Date: 21.FEB.2023 23:23:55

Date: 21.FEB.2023 23:47:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.FEB.2023 23:08:01

Date: 21.FEB.2023 23:31:57

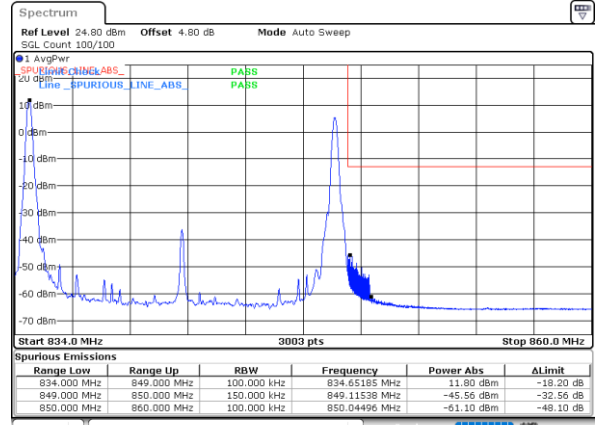
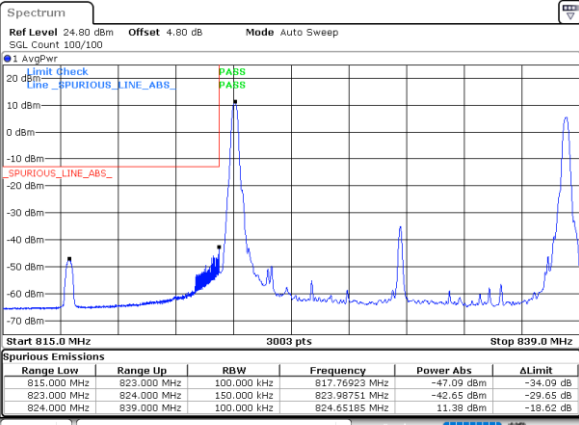


LTE Band 5B / 5MHz+10MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

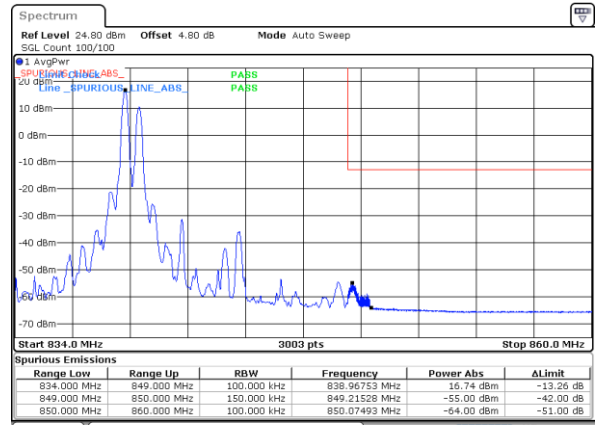
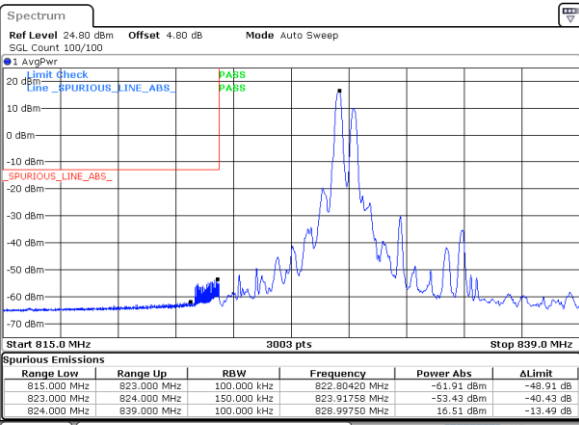


Date: 22, FEB, 2023 02:47:48

Date: 22, FEB, 2023 03:11:43

Lowest Band Edge / 1RB24 and 1RB0

Highest Band Edge / 1RB24 and 1RB0

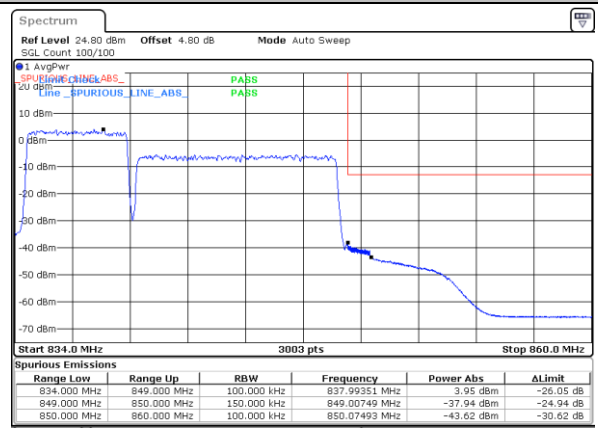
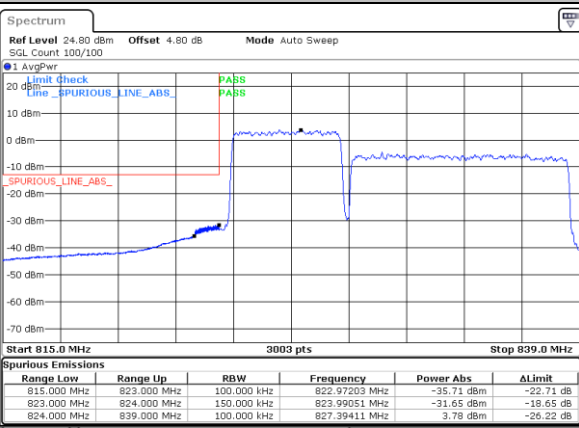


Date: 22, FEB, 2023 03:01:41

Date: 22, FEB, 2023 03:25:34

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22, FEB, 2023 02:45:49

Date: 22, FEB, 2023 03:09:44

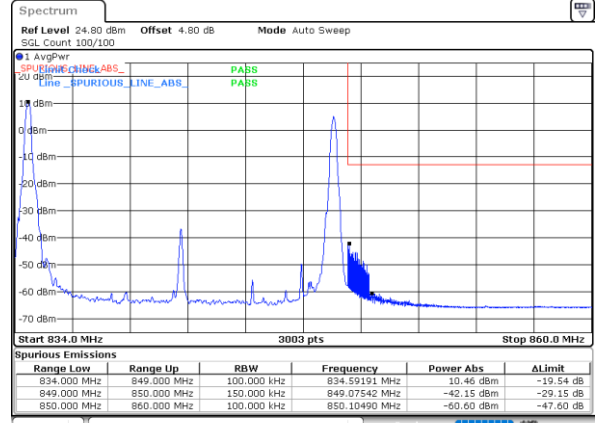
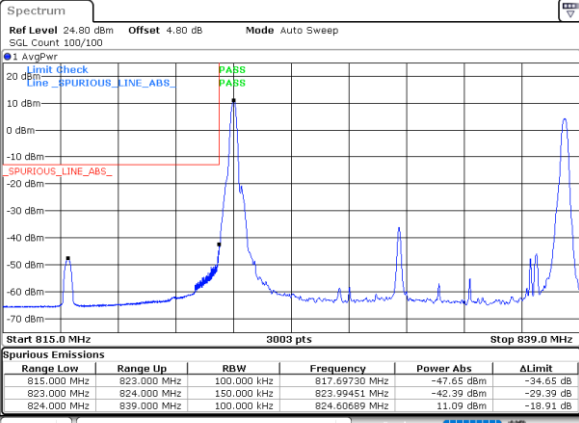


LTE Band 5B / 10MHz+5MHz

256QAM

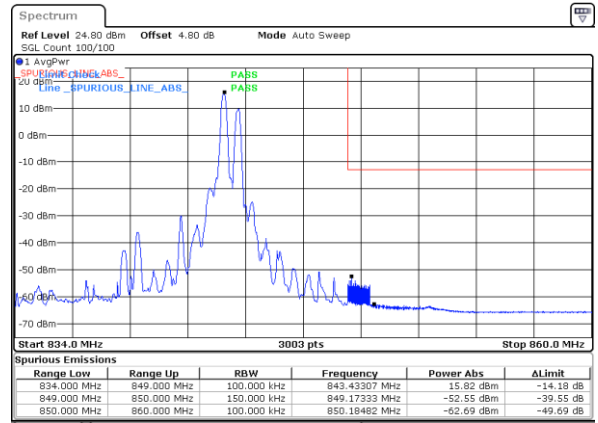
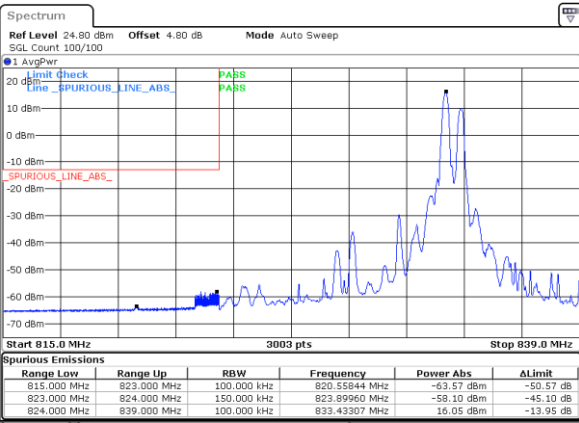
Lowest Band Edge / 1RB0 and 1RB24

Highest Band Edge / 1RB0 and 1RB24



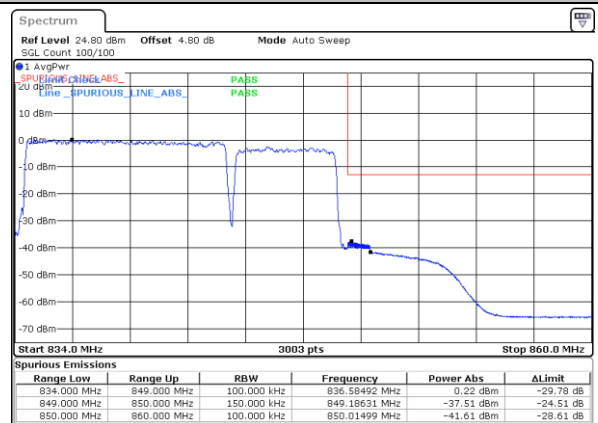
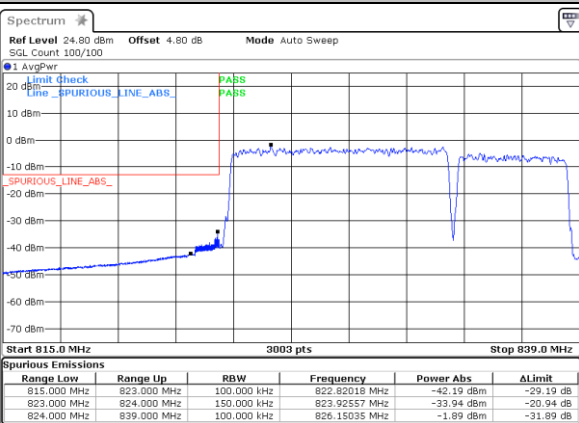
Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



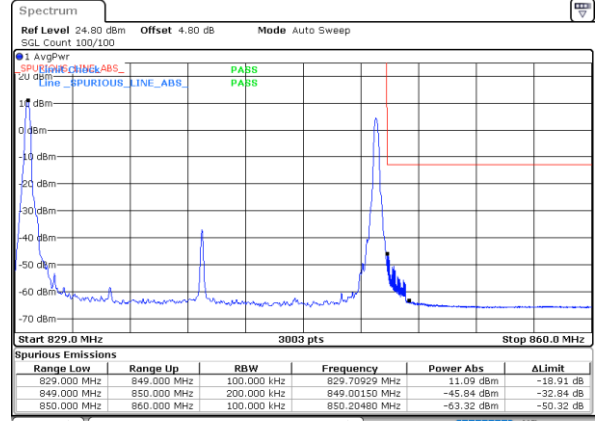
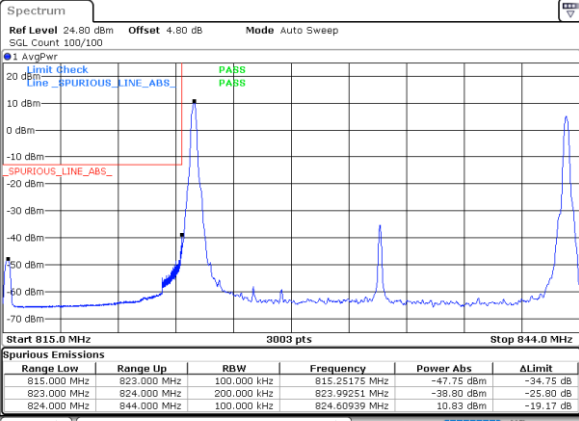


LTE Band 5B / 10MHz+10MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

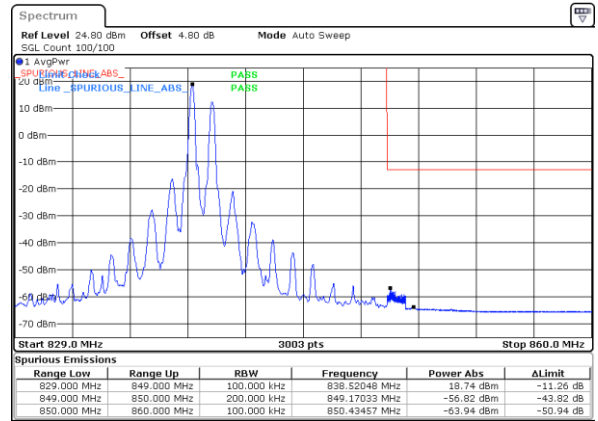
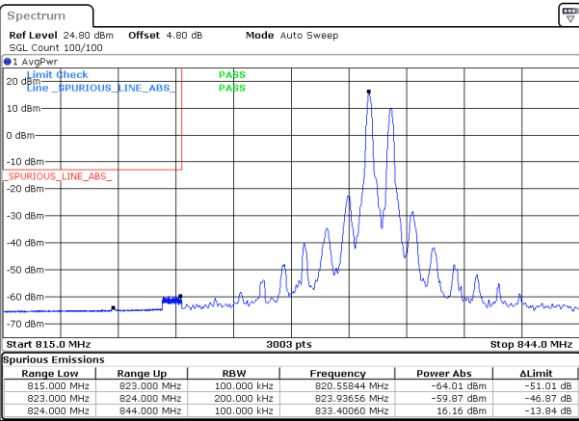


Date: 22_FEB_2023 01:26:55

Date: 22_FEB_2023 01:50:49

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

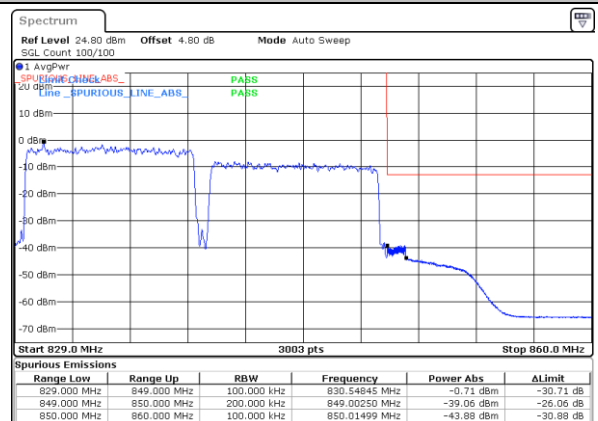
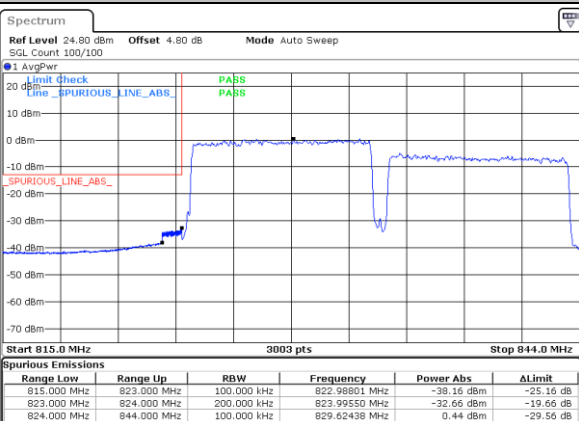


Date: 22_FEB_2023 01:34:51

Date: 22_FEB_2023 01:56:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22_FEB_2023 01:18:59

Date: 22_FEB_2023 01:42:53



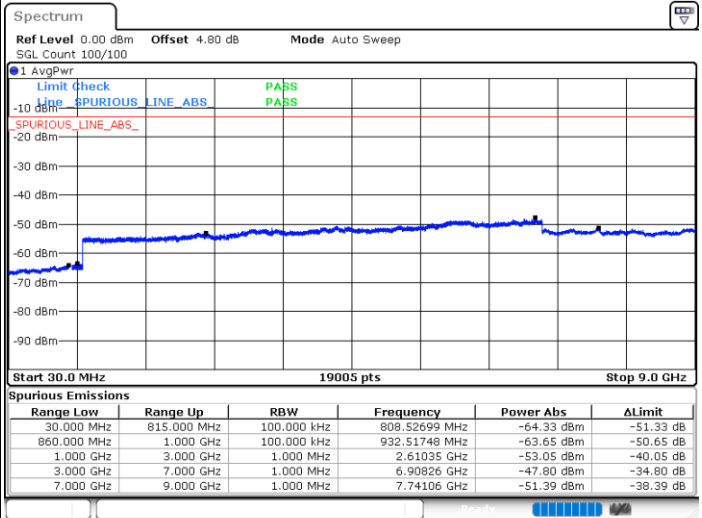
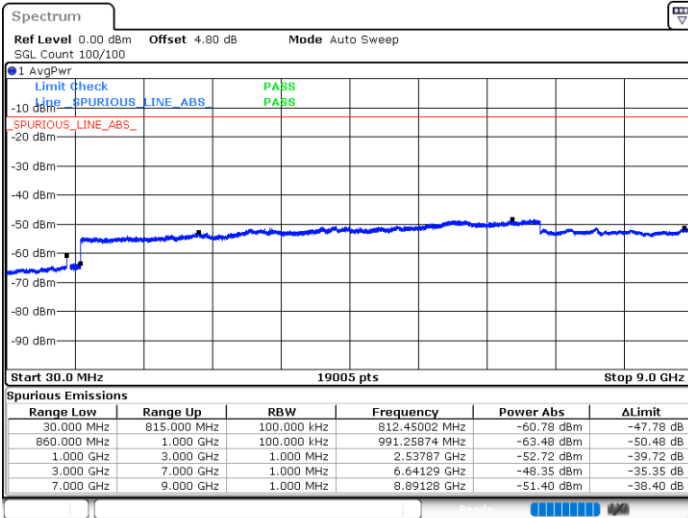
Conducted Spurious Emission

LTE Band 5B / 3MHz+5MHz

QPSK

Lowest Channel / 1RB14 and 1RB0

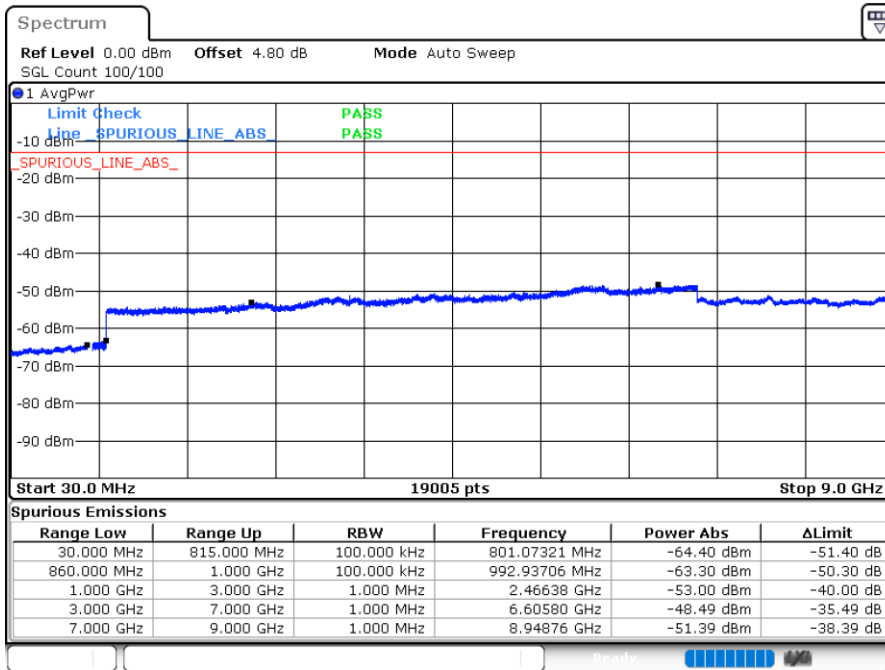
Middle Channel / 1RB14 and 1RB0



Date: 22.FEB.2023 02:00:19

Date: 22.FEB.2023 02:01:53

Highest Channel / 1RB14 and 1RB0



Date: 22.FEB.2023 02:05:26

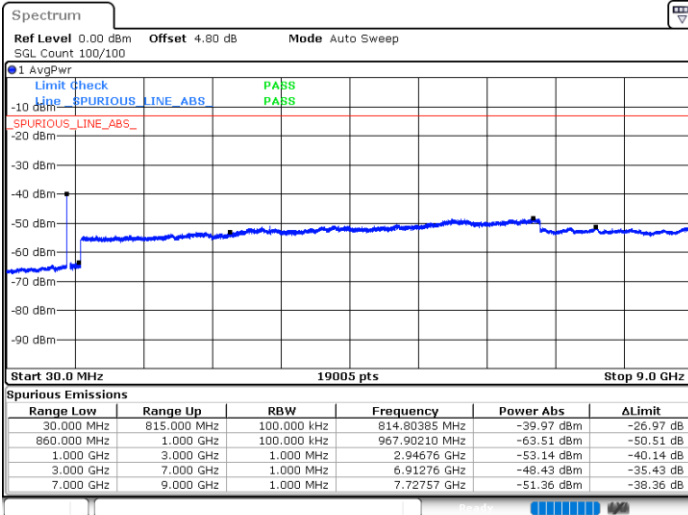


LTE Band 5B / 5MHz+3MHz

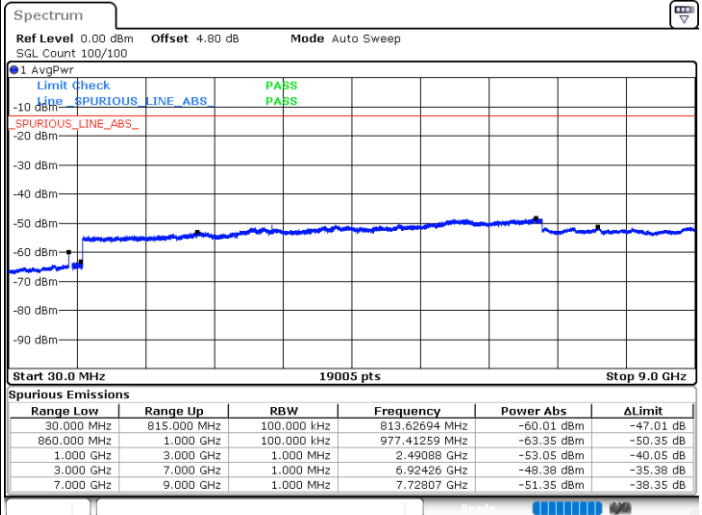
QPSK

Lowest Channel / 1RB24 and 1RB0

Middle Channel / 1RB24 and 1RB0

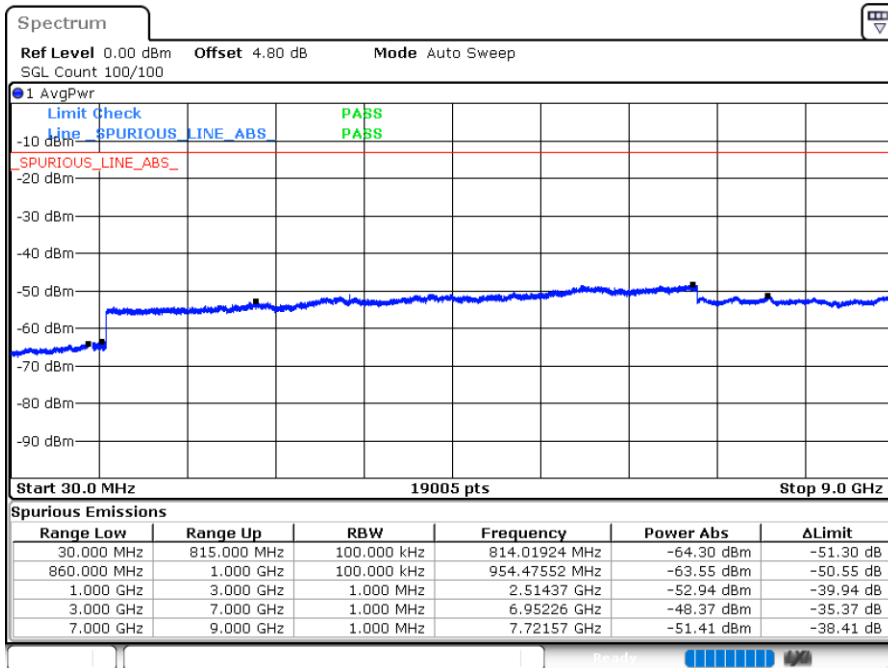


Date: 22.FEB.2023 02:07:01



Date: 22.FEB.2023 02:08:35

Highest Channel / 1RB24 and 1RB0



Date: 22.FEB.2023 02:12:07

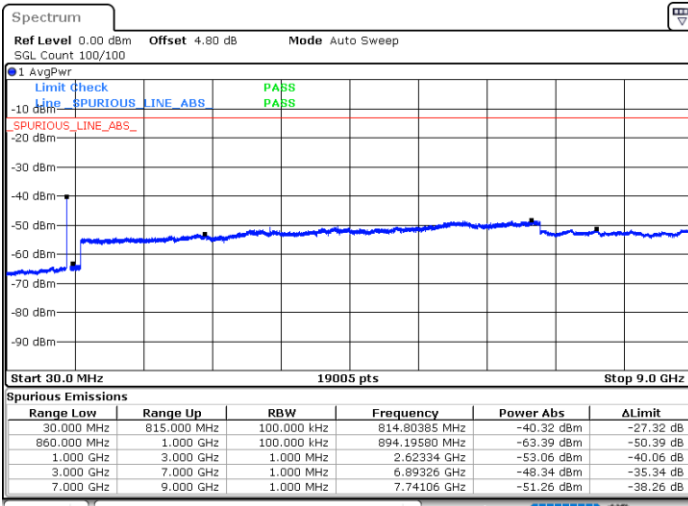


LTE Band 5B / 5MHz+10MHz

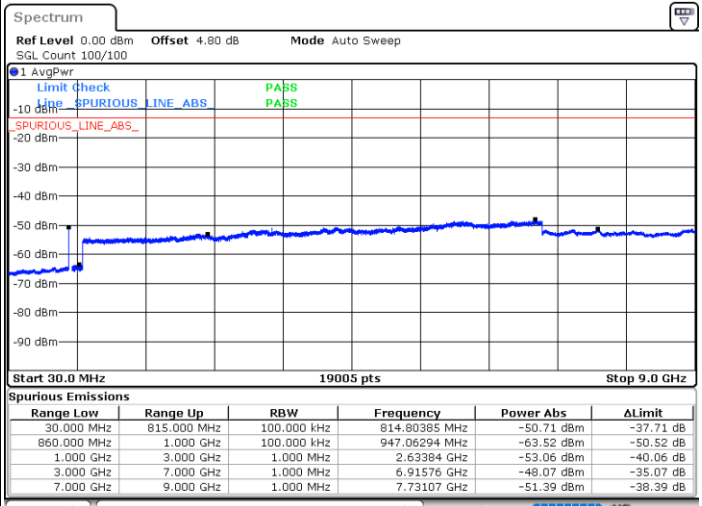
QPSK

Lowest Channel / 1RB24 and 1RB0

Middle Channel / 1RB24 and 1RB0

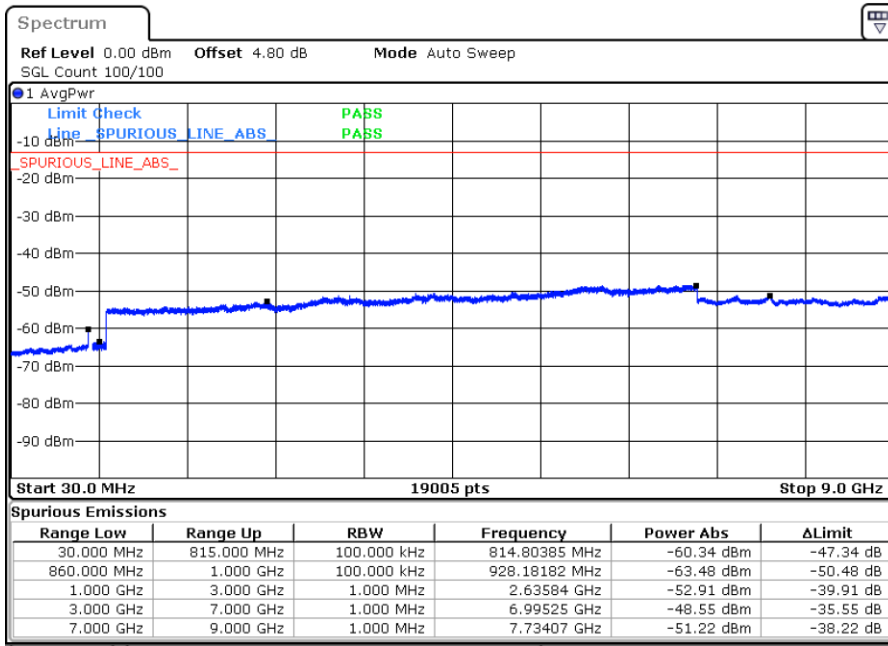


Date: 22.FEB.2023 02:13:41



Date: 22.FEB.2023 02:15:16

Highest Channel / 1RB24 and 1RB0



Date: 22.FEB.2023 02:18:47

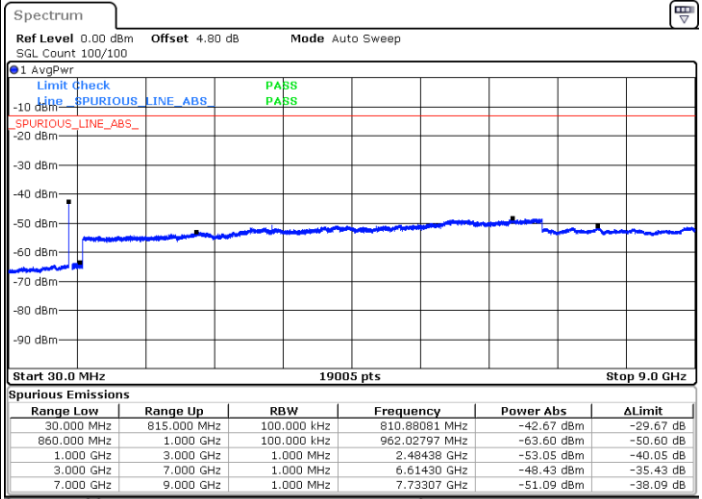
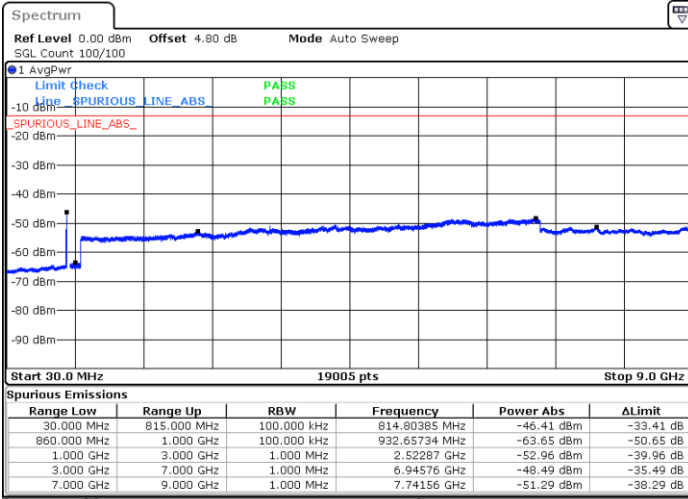


LTE Band 5B / 10MHz+5MHz

QPSK

Lowest Channel / 1RB49 and 1RB0

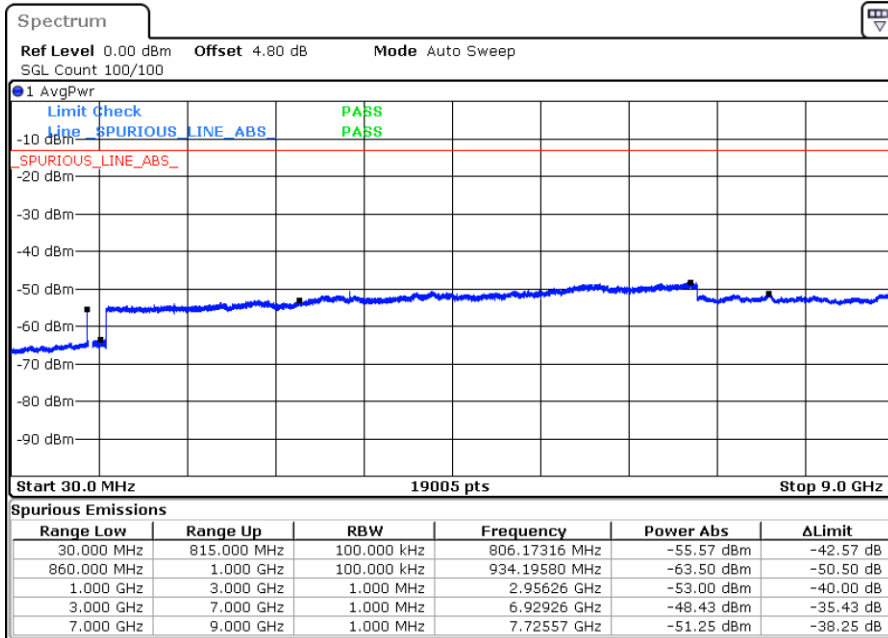
Middle Channel / 1RB49 and 1RB0



Date: 22.FEB.2023 02:20:22

Date: 22.FEB.2023 02:21:56

Highest Channel / 1RB49 and 1RB0



Date: 22.FEB.2023 02:25:28

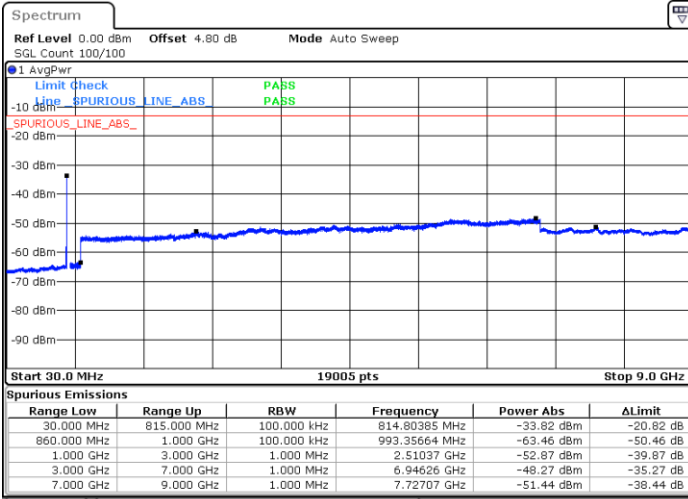


LTE Band 5B / 10MHz+10MHz

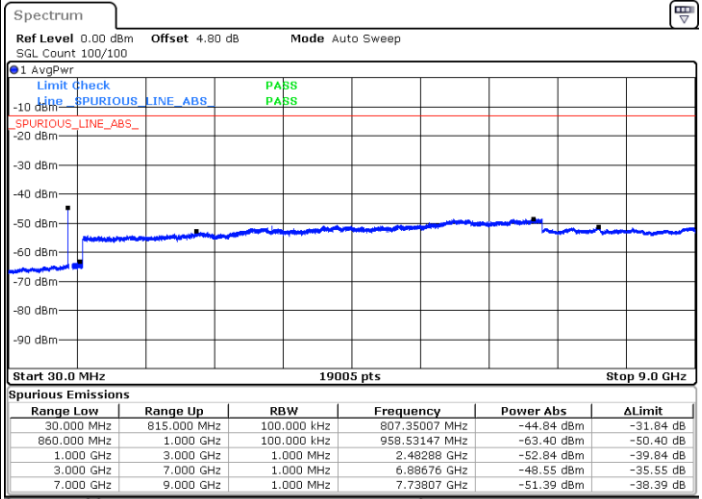
QPSK

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0

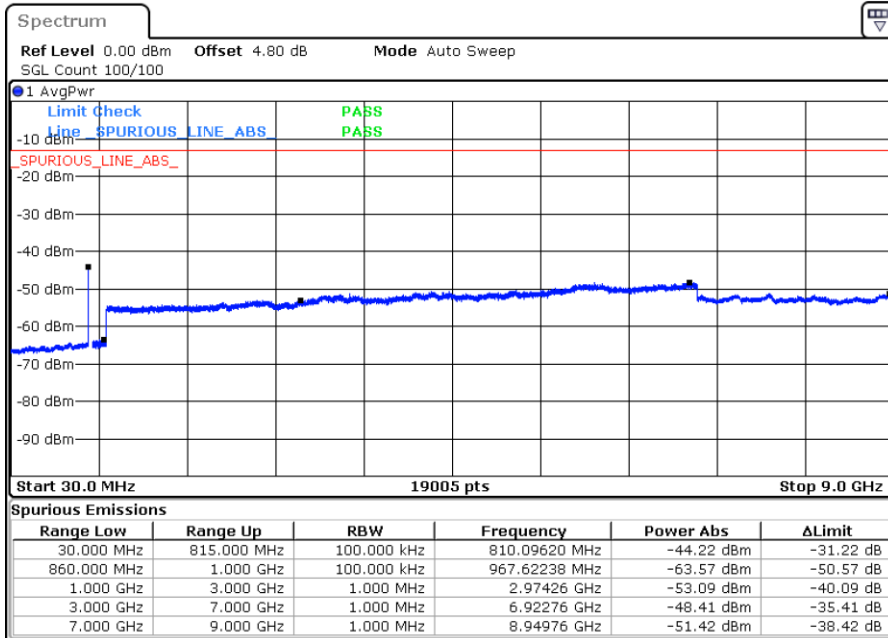


Date: 22.FEB.2023 02:27:03



Date: 22.FEB.2023 02:28:37

Highest Channel / 1RB49 and 1RB0



Date: 22.FEB.2023 02:32:10



Frequency Stability

Test Conditions		LTE Band 5B (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz+10MHZ	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0021	

Note:

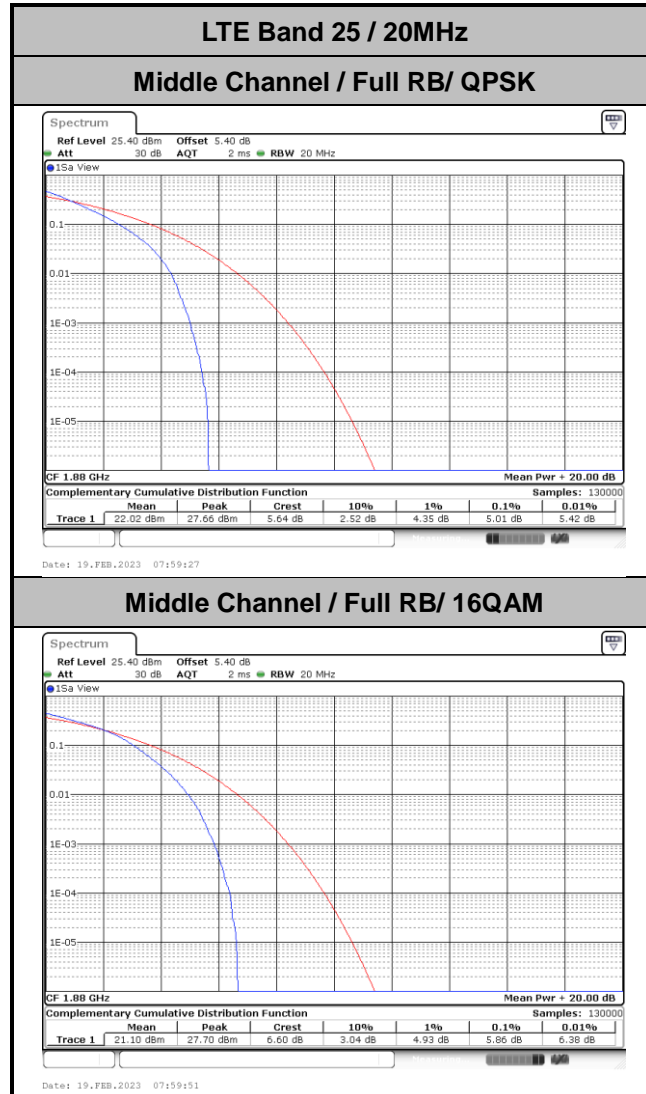
1. Normal Voltage =3.85V. ; Battery End Point (BEP) =3.45V. ; Maximum Voltage =4.41V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

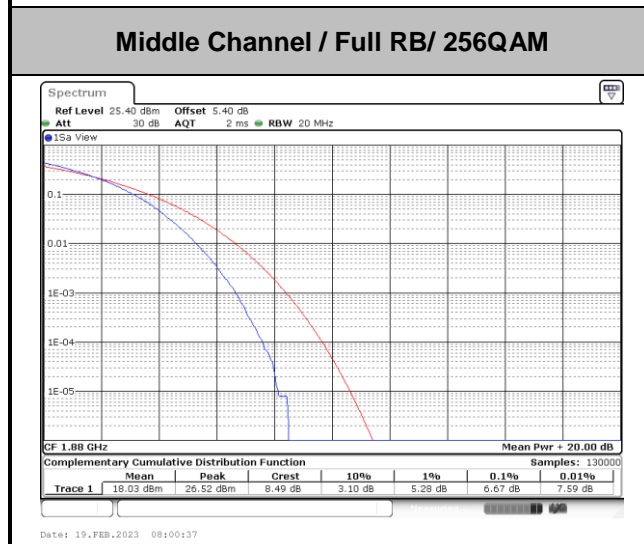
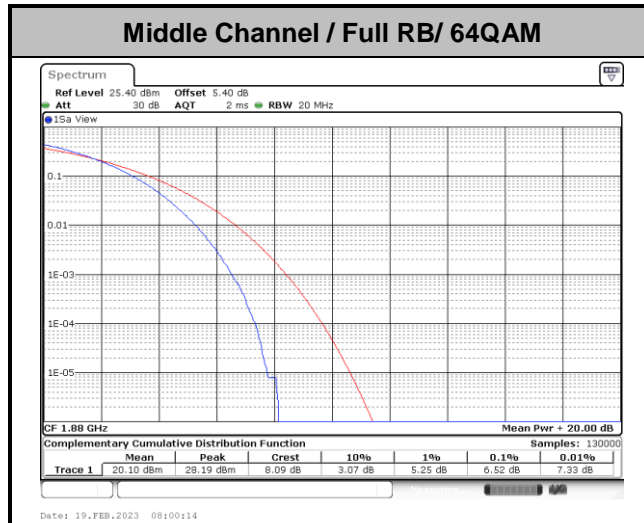


LTE Band 25 for main PA

Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.01	5.86	6.52	6.67	PASS







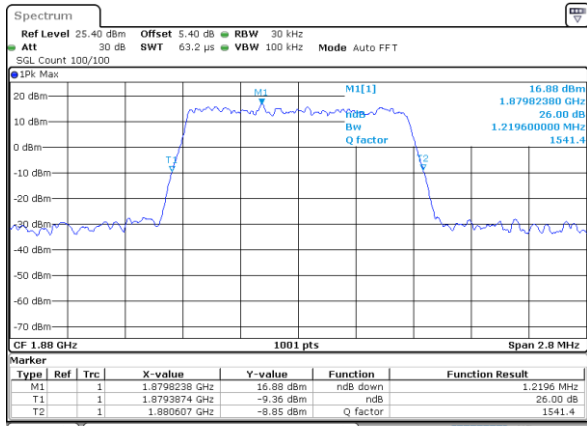
26dB Bandwidth

Mode	LTE Band 25 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.22	1.23
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.06	3.03
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.91	4.88
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.67	9.73
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.42	14.60
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.94	18.86



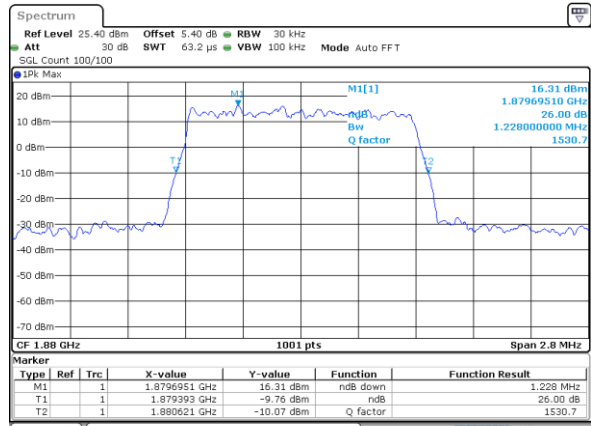
LTE Band 25

Middle Channel / 1.4MHz / QPSK



Date: 19_FEB.2023 08:11:32

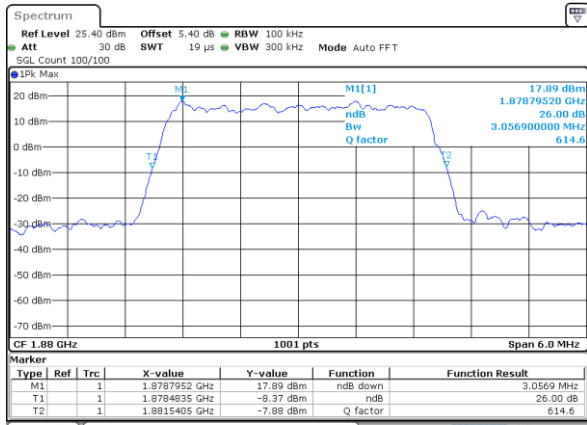
Middle Channel / 1.4MHz / 16QAM



Date: 19_FEB.2023 08:12:39

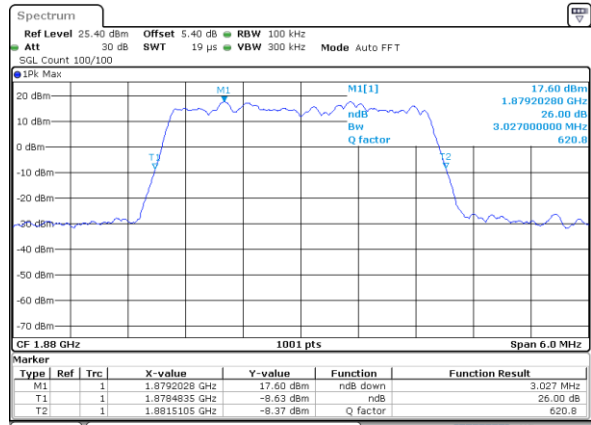
LTE Band 25

Middle Channel / 3MHz / QPSK



Date: 19_FEB.2023 08:08:55

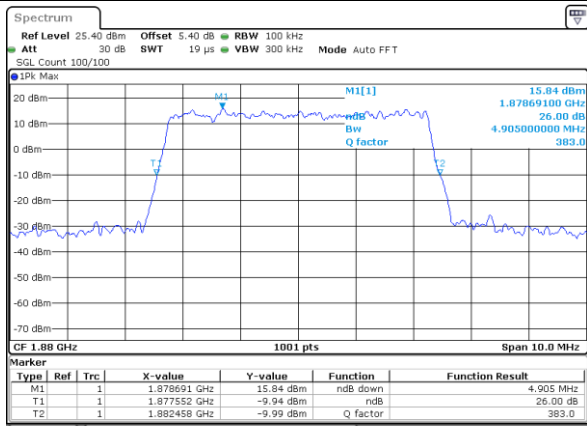
Middle Channel / 3MHz / 16QAM



Date: 19_FEB.2023 08:10:16

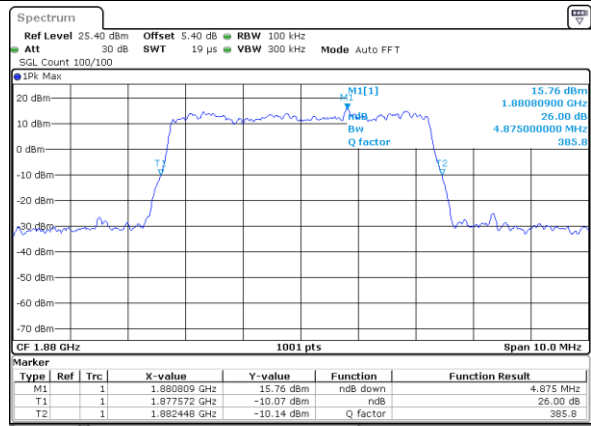
LTE Band 25

Middle Channel / 5MHz / QPSK



Date: 19_FEB.2023 08:06:50

Middle Channel / 5MHz / 16QAM

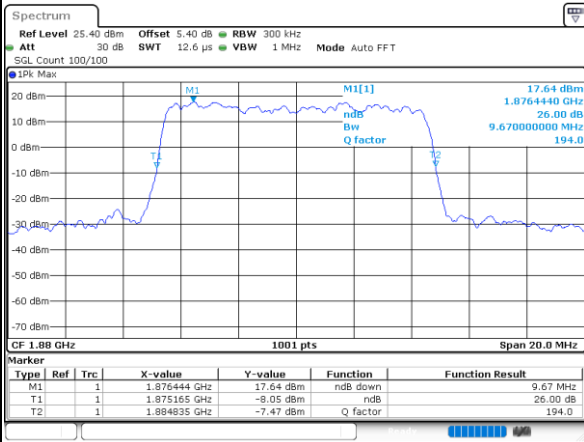


Date: 19_FEB.2023 08:07:57



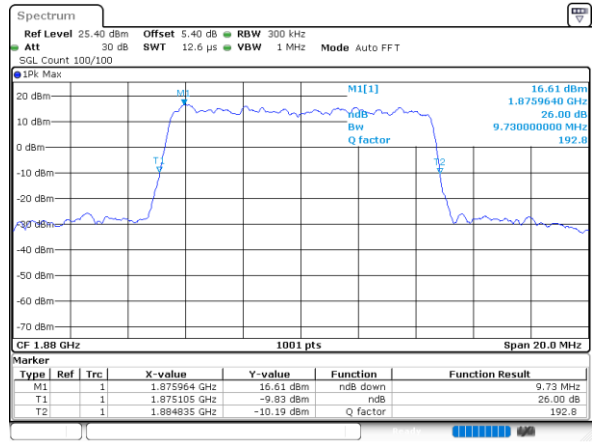
LTE Band 25

Middle Channel / 10MHz / QPSK



Date: 19_FEB.2023 08:04:59

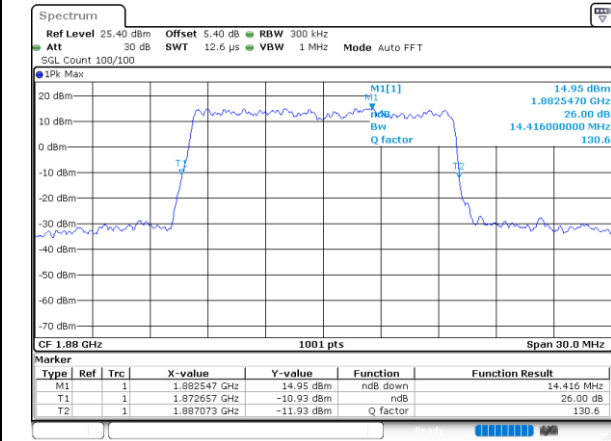
Middle Channel / 10MHz / 16QAM



Date: 19_FEB.2023 08:05:51

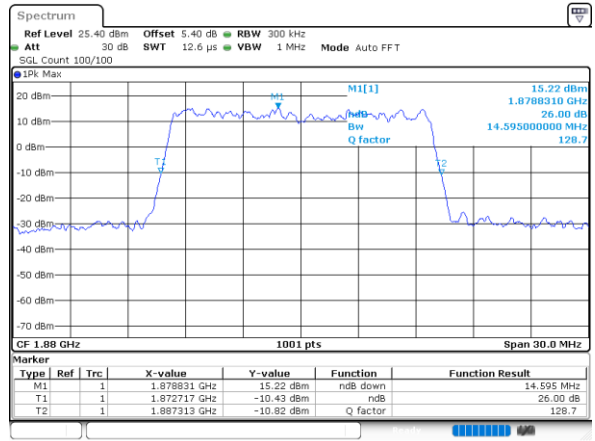
LTE Band 25

Middle Channel / 15MHz / QPSK



Date: 19_FEB.2023 08:02:01

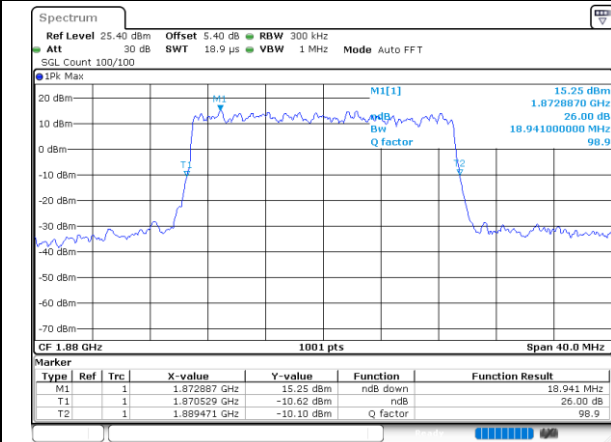
Middle Channel / 15MHz / 16QAM



Date: 19_FEB.2023 08:03:07

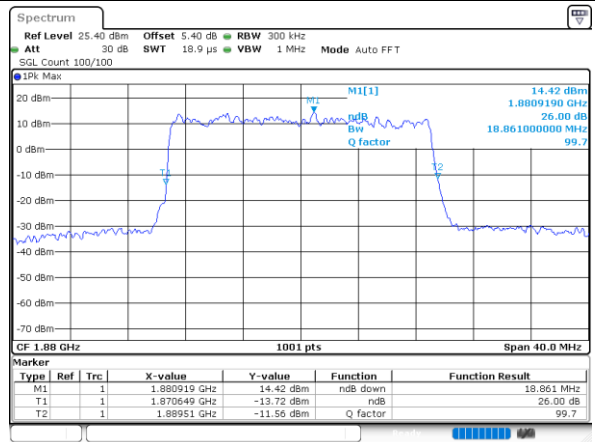
LTE Band 25

Middle Channel / 20MHz / QPSK



Date: 19_FEB.2023 07:59:05

Middle Channel / 20MHz / 16QAM



Date: 19_FEB.2023 07:58:43



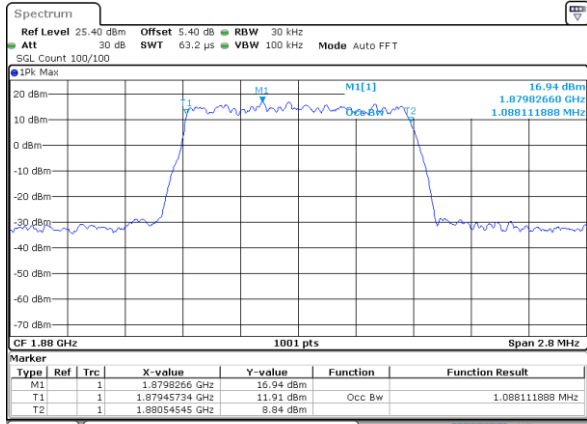
Occupied Bandwidth

Mode	LTE Band 25 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.71	2.73
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.49
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.09	9.01
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.46	13.46
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.86



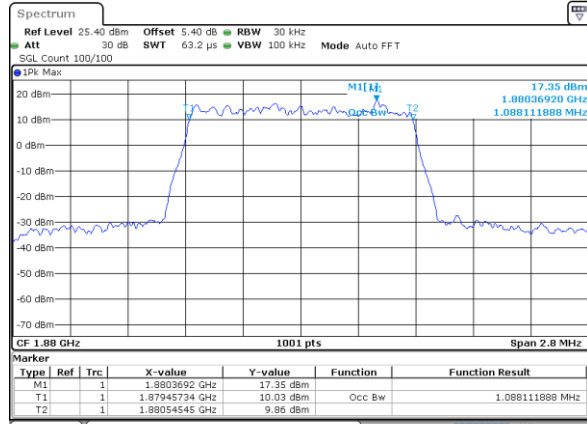
LTE Band 25

Middle Channel / 1.4MHz / QPSK



Date: 19_FEB.2023 08:11:06

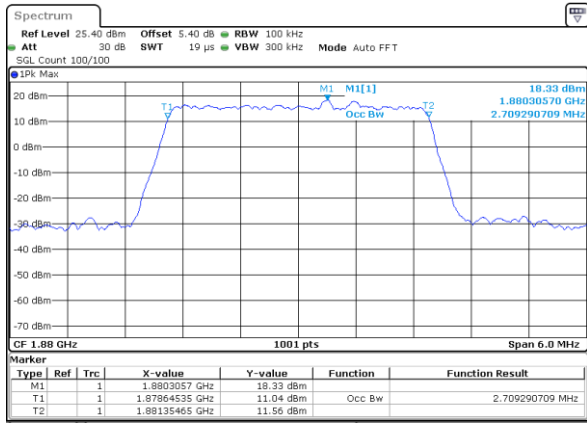
Middle Channel / 1.4MHz / 16QAM



Date: 19_FEB.2023 08:12:02

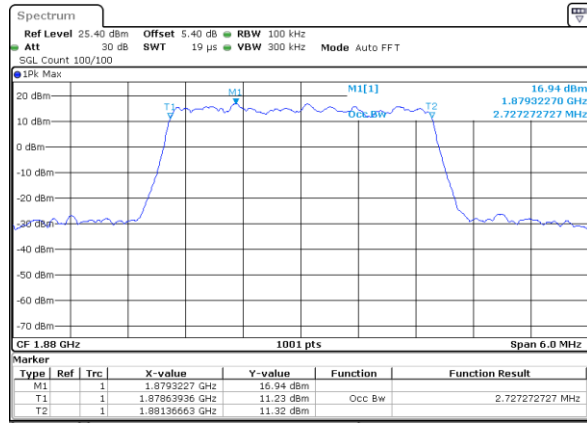
LTE Band 25

Middle Channel / 3MHz / QPSK



Date: 19_FEB.2023 08:08:32

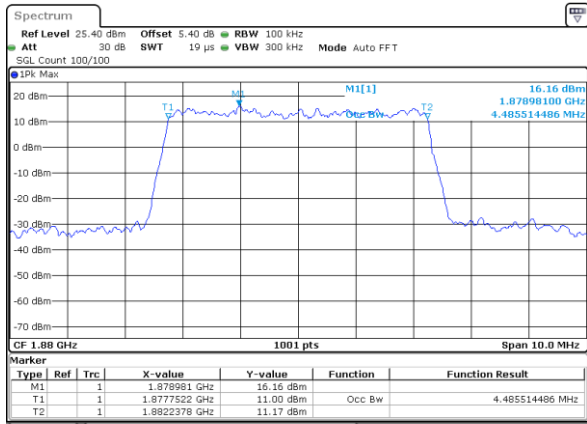
Middle Channel / 3MHz / 16QAM



Date: 19_FEB.2023 08:09:47

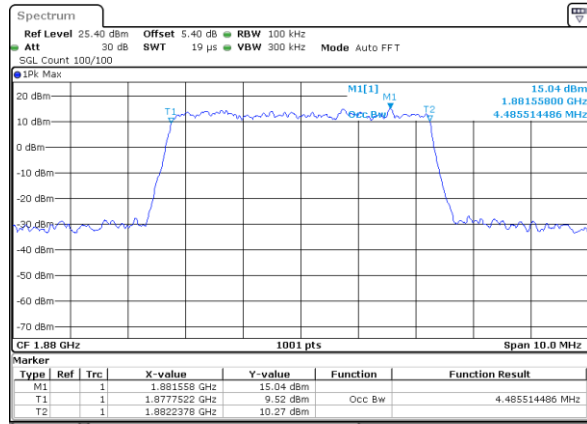
LTE Band 25

Middle Channel / 5MHz / QPSK



Date: 19_FEB.2023 08:06:27

Middle Channel / 5MHz / 16QAM

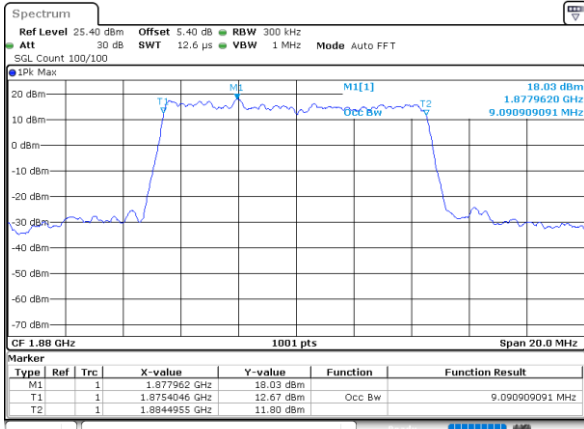


Date: 19_FEB.2023 08:07:36



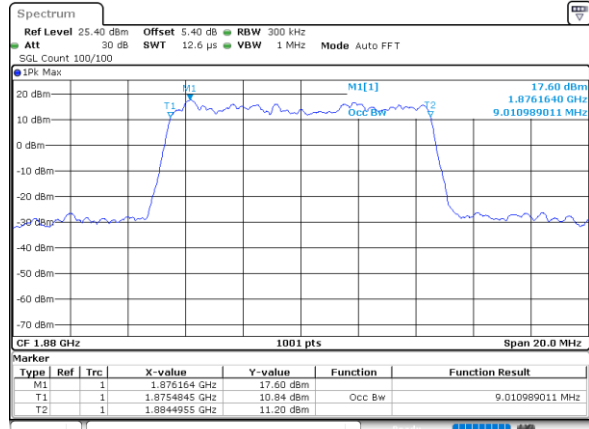
LTE Band 25

Middle Channel / 10MHz / QPSK



Date: 19.FEB.2023 08:04:38

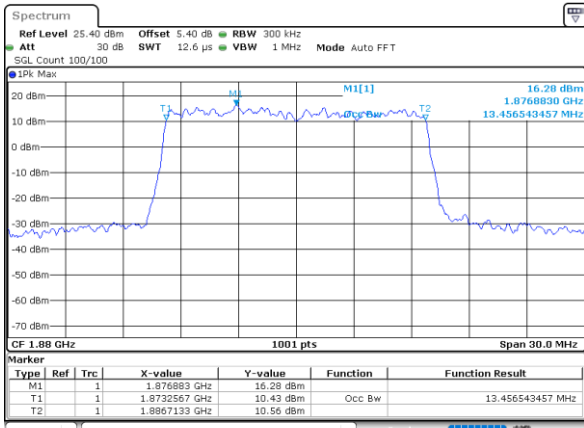
Middle Channel / 10MHz / 16QAM



Date: 19.FEB.2023 08:05:22

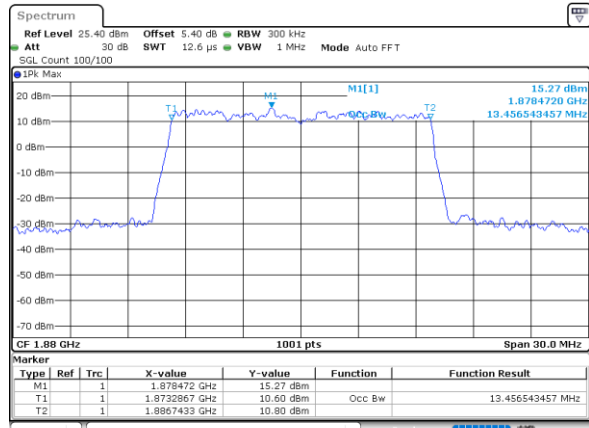
LTE Band 25

Middle Channel / 15MHz / QPSK



Date: 19.FEB.2023 08:01:40

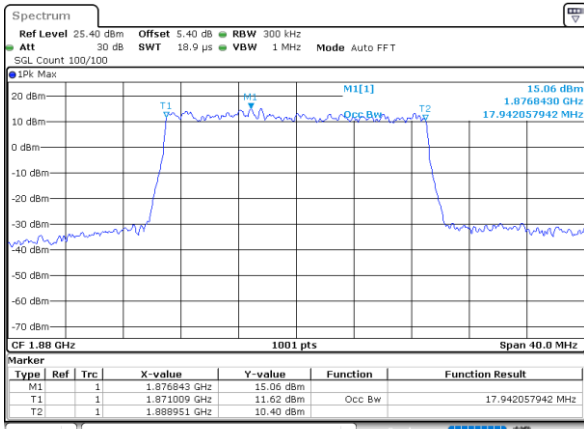
Middle Channel / 15MHz / 16QAM



Date: 19.FEB.2023 08:02:11

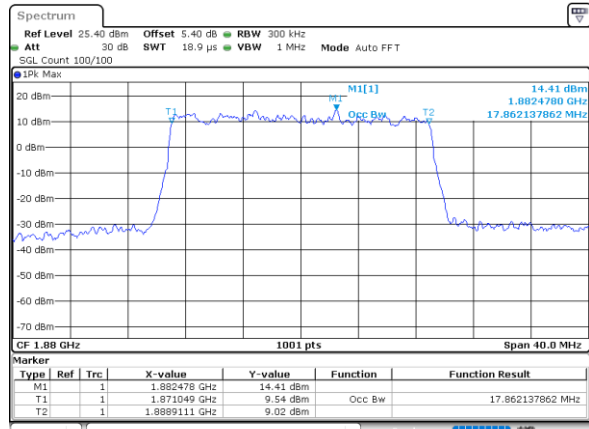
LTE Band 25

Middle Channel / 20MHz / QPSK



Date: 19.FEB.2023 07:57:59

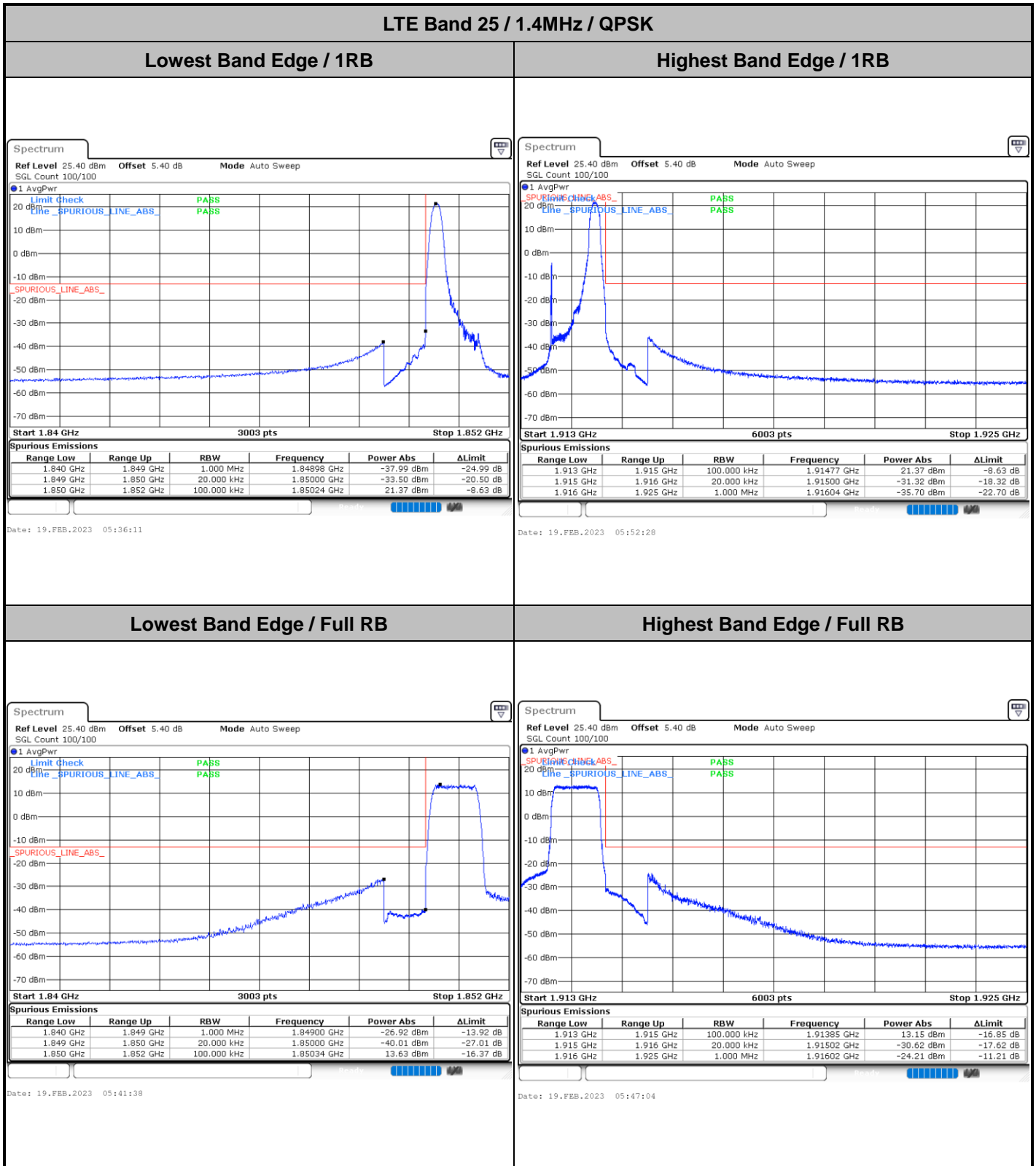
Middle Channel / 20MHz / 16QAM



Date: 19.FEB.2023 07:58:21



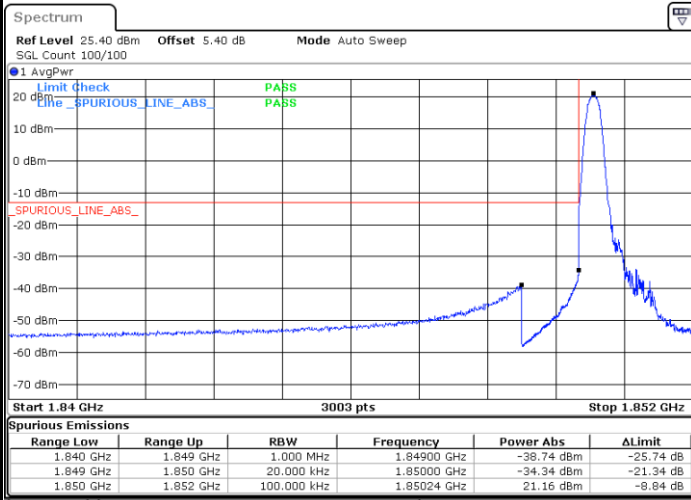
Conducted Band Edge





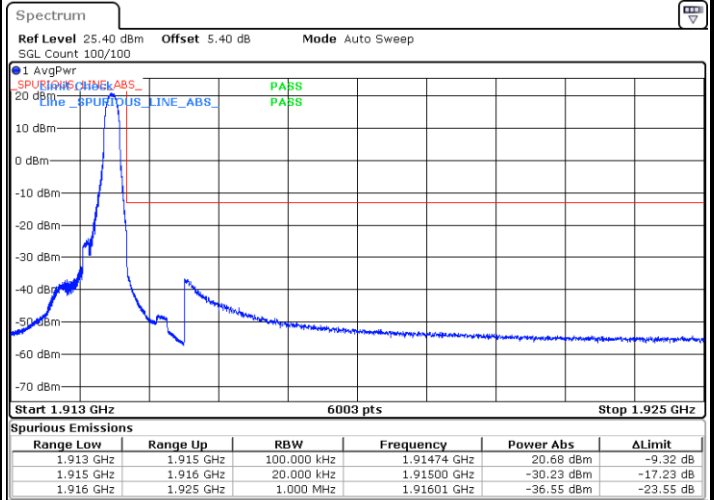
LTE Band 25 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



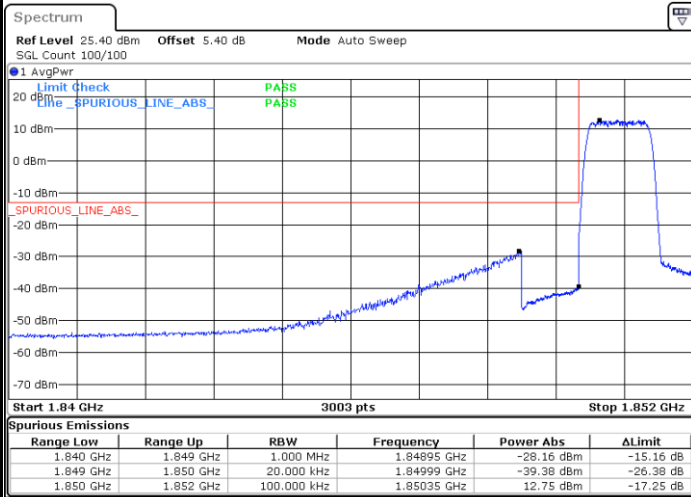
Date: 19.FEB.2023 05:37:32

Highest Band Edge / 1 RB



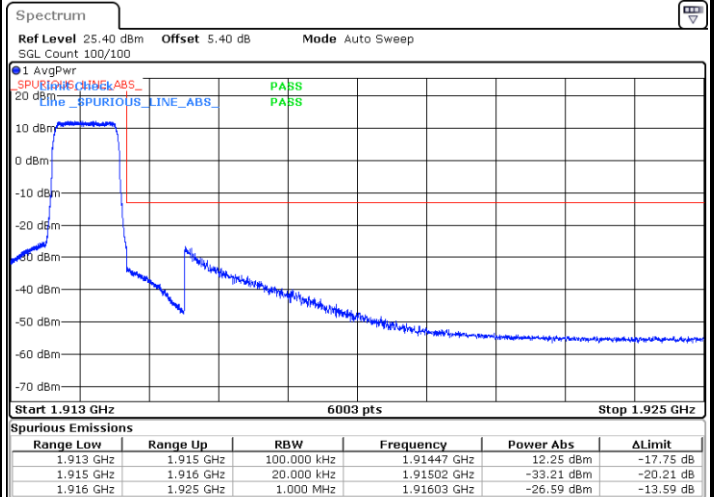
Date: 19.FEB.2023 05:53:49

Lowest Band Edge / Full RB



Date: 19.FEB.2023 05:42:58

Highest Band Edge / Full RB

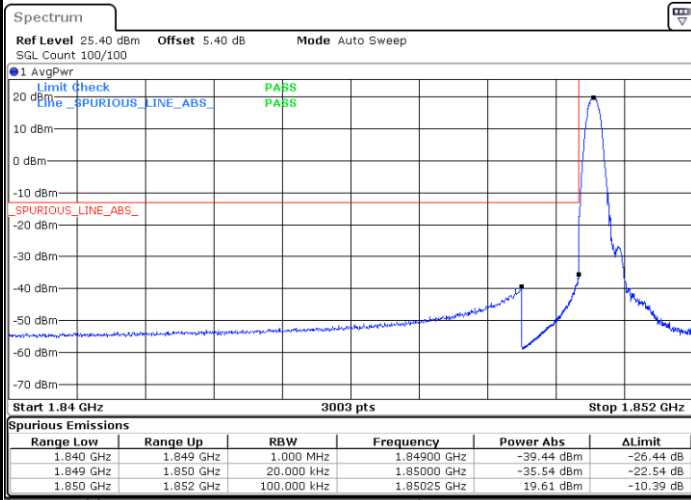


Date: 19.FEB.2023 05:48:25



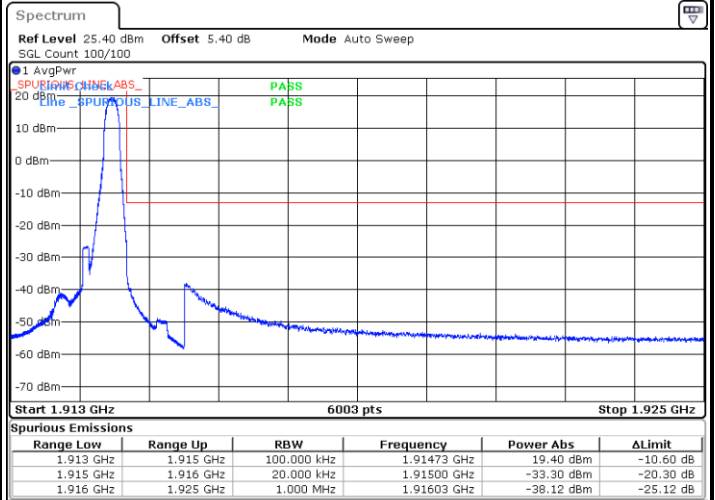
LTE Band 25 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



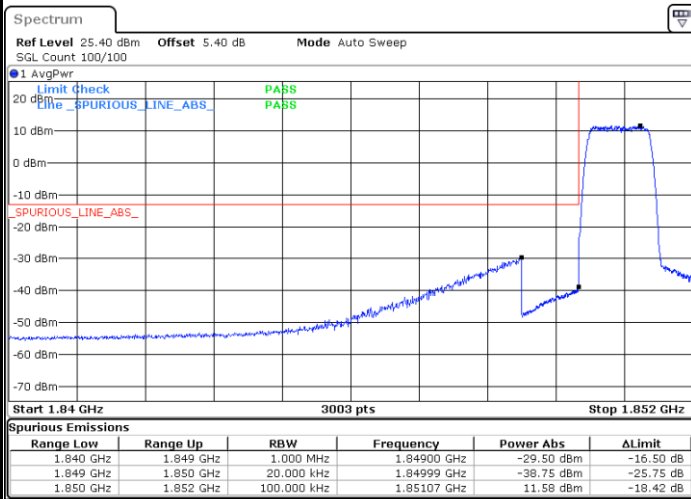
Date: 19.FEB.2023 05:38:53

Highest Band Edge / 1 RB



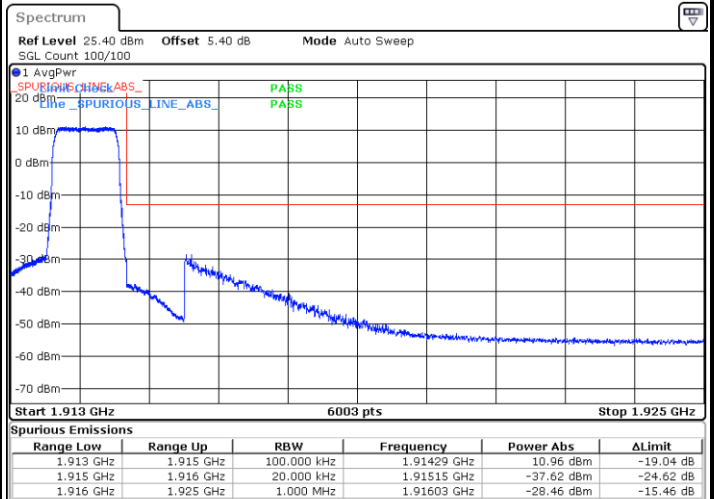
Date: 19.FEB.2023 05:55:10

Lowest Band Edge / Full RB



Date: 19.FEB.2023 05:44:19

Highest Band Edge / Full RB



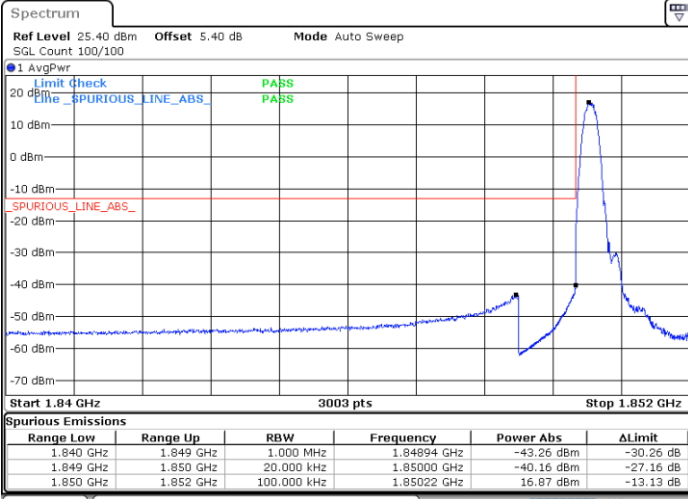
Date: 19.FEB.2023 05:49:45



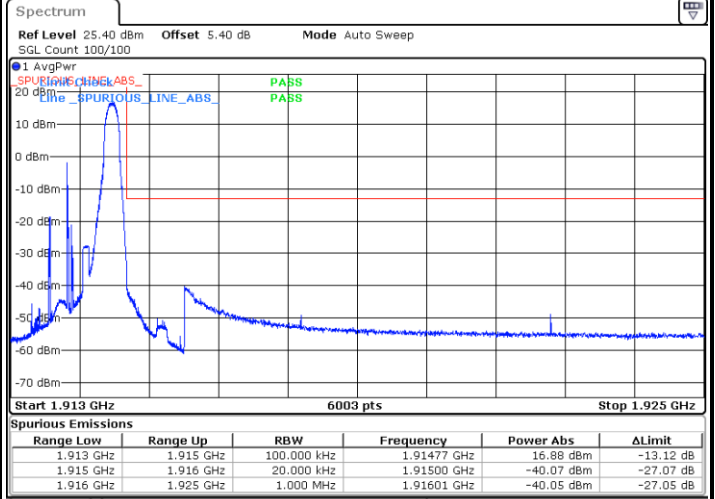
LTE Band 25 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



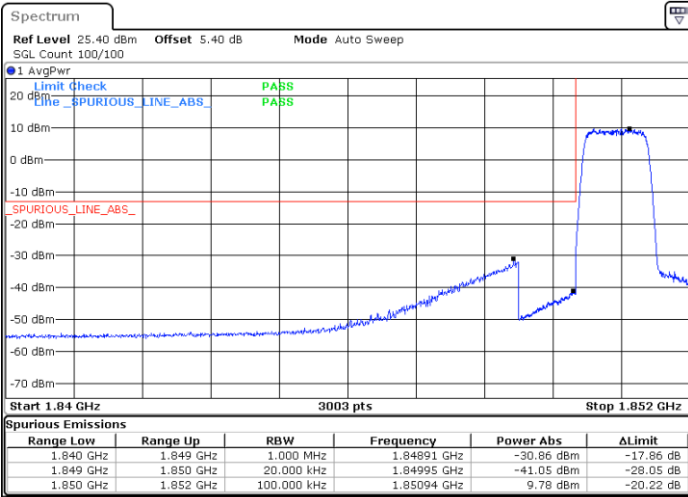
Date: 19.FEB.2023 05:40:14



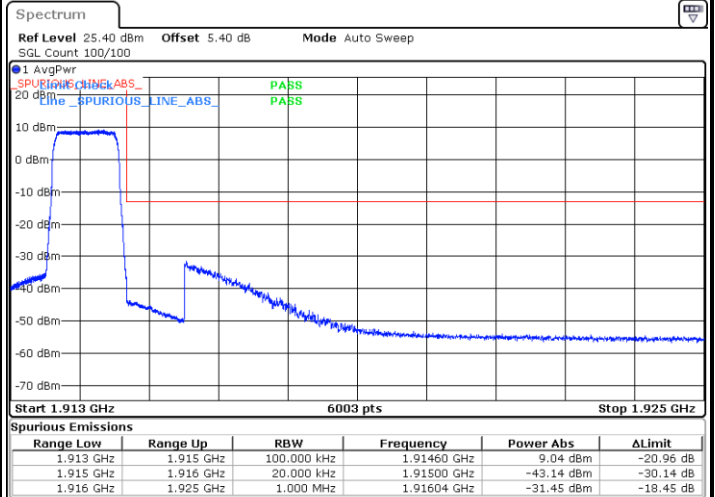
Date: 19.FEB.2023 05:56:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.FEB.2023 05:45:40

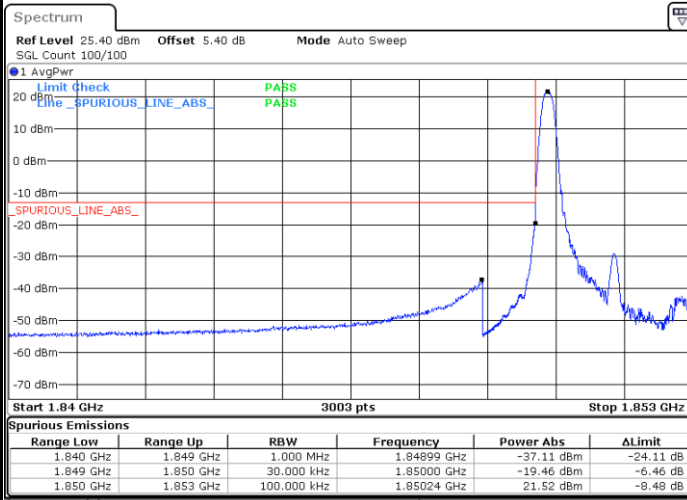


Date: 19.FEB.2023 05:51:05



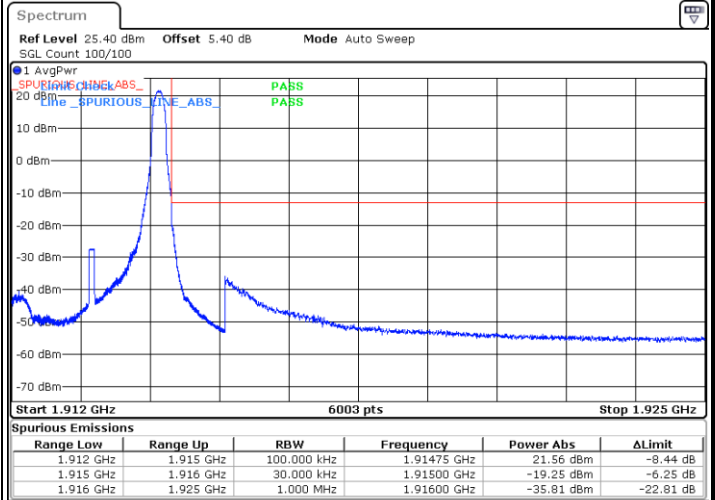
LTE Band 25 / 3MHz / QPSK

Lowest Band Edge / 1RB



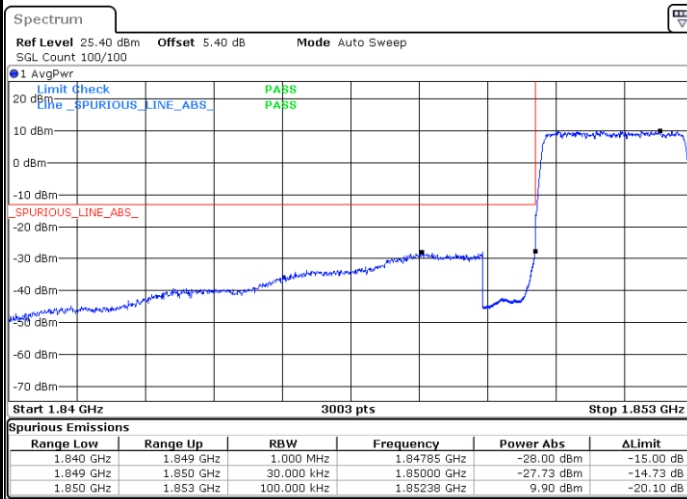
Date: 19.FEB.2023 05:58:09

Highest Band Edge / 1 RB



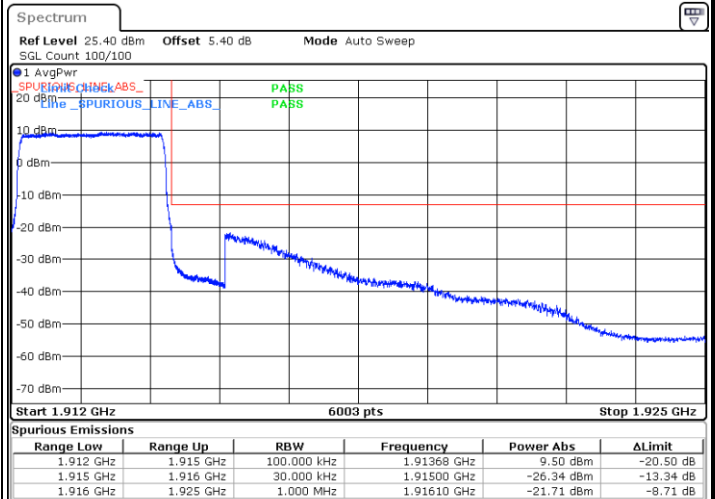
Date: 19.FEB.2023 06:14:24

Lowest Band Edge / Full RB



Date: 19.FEB.2023 06:03:33

Highest Band Edge / Full RB

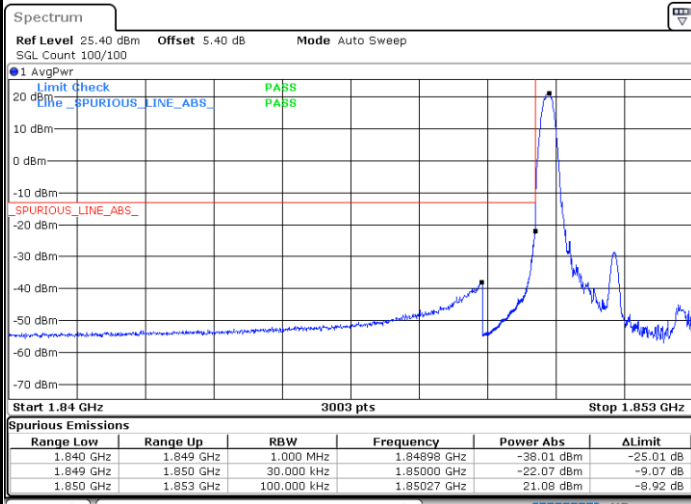


Date: 19.FEB.2023 06:08:58

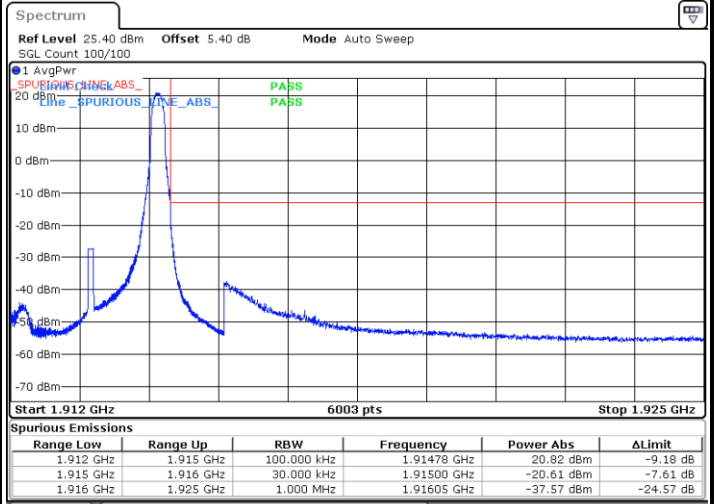


LTE Band 25 / 3MHz / 16QAM

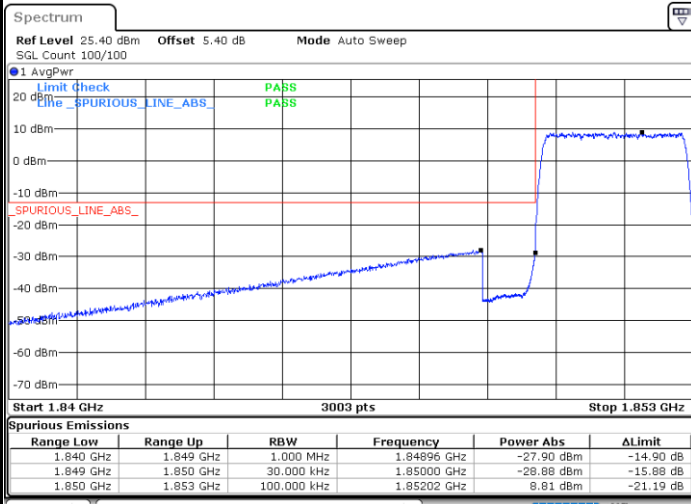
Lowest Band Edge / 1 RB



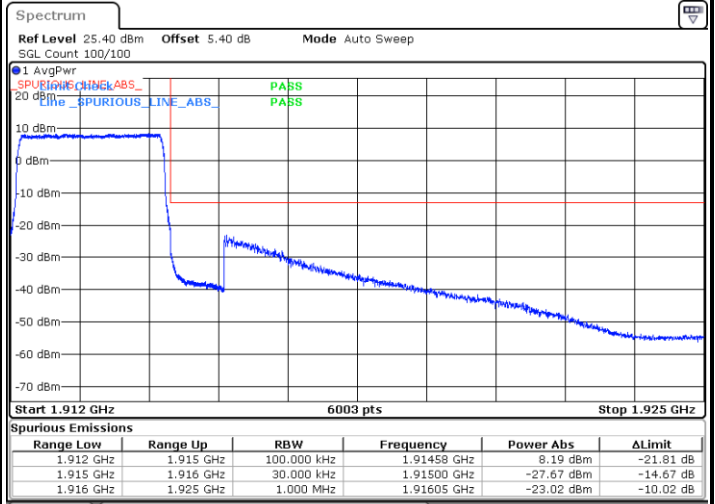
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



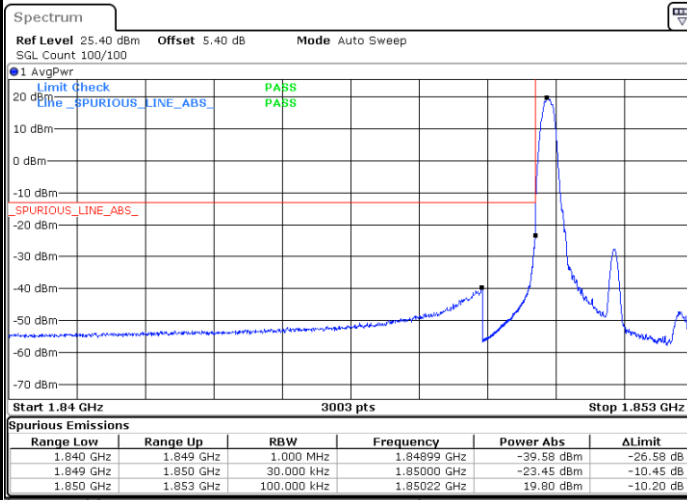
Highest Band Edge / Full RB





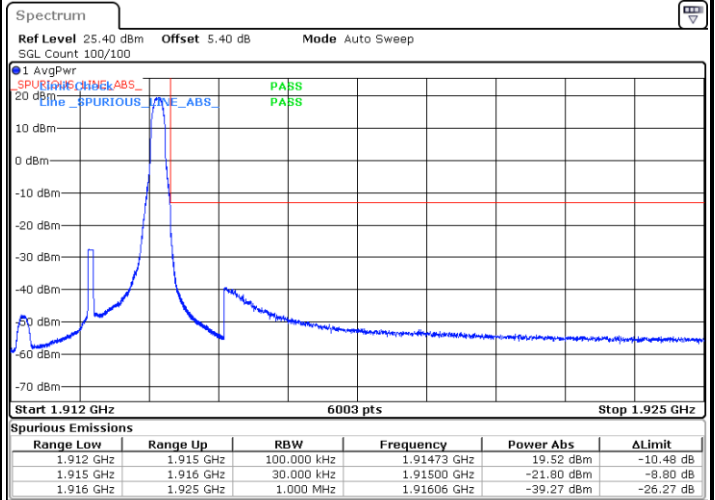
LTE Band 25 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



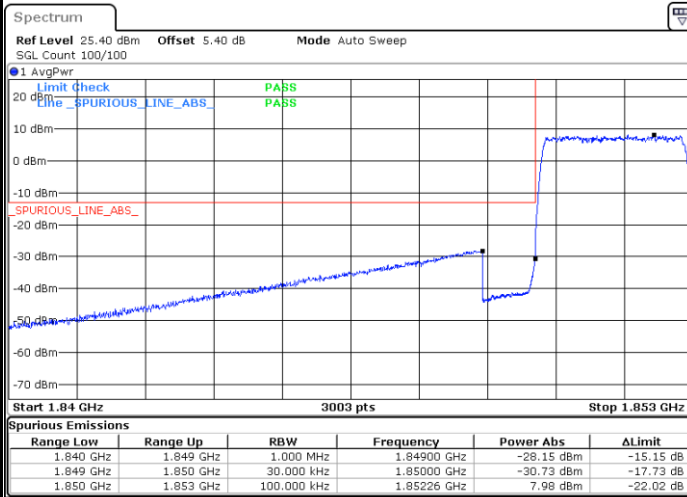
Date: 19.FEB.2023 06:00:50

Highest Band Edge / 1 RB



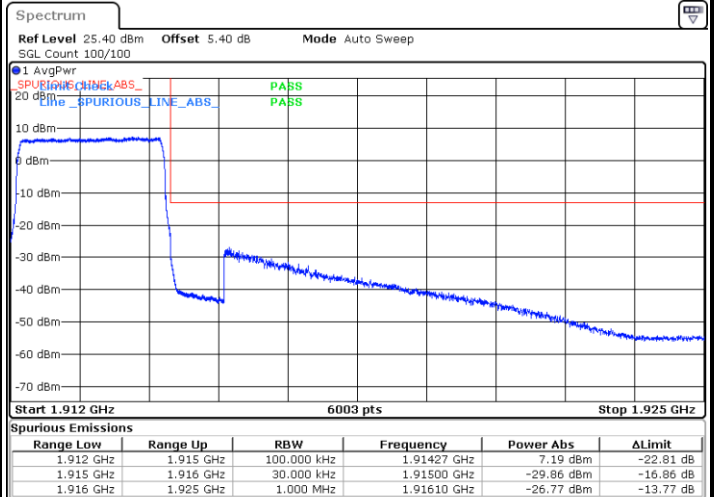
Date: 19.FEB.2023 06:17:05

Lowest Band Edge / Full RB



Date: 19.FEB.2023 06:06:14

Highest Band Edge / Full RB

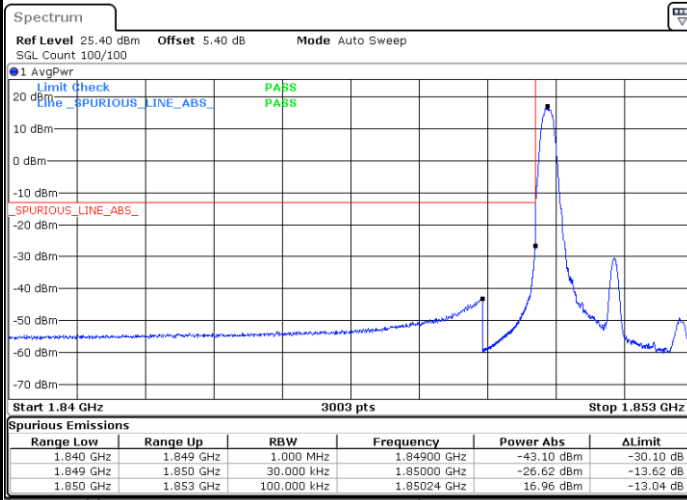


Date: 19.FEB.2023 06:11:39



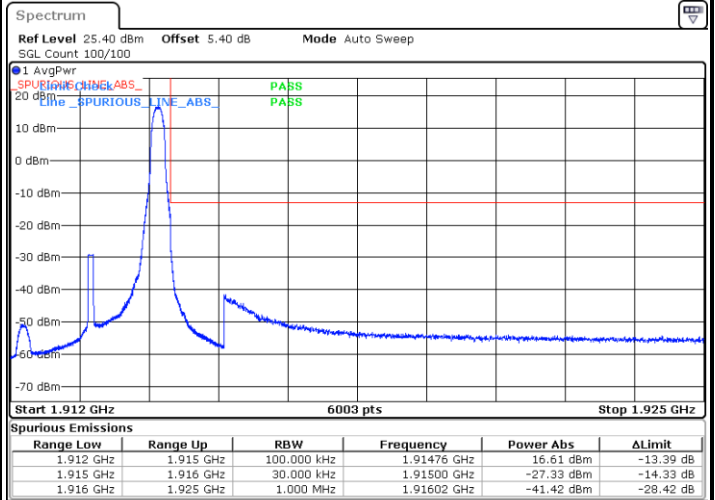
LTE Band 25 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



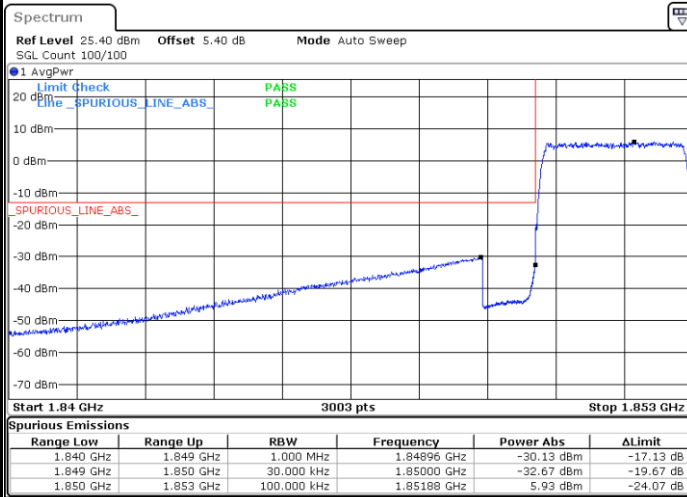
Date: 19.FEB.2023 06:02:10

Highest Band Edge / 1 RB



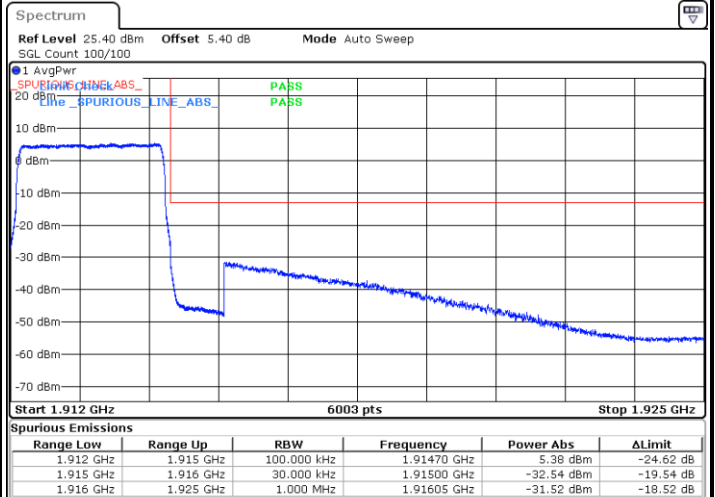
Date: 19.FEB.2023 06:18:26

Lowest Band Edge / Full RB



Date: 19.FEB.2023 06:07:34

Highest Band Edge / Full RB



Date: 19.FEB.2023 06:13:00