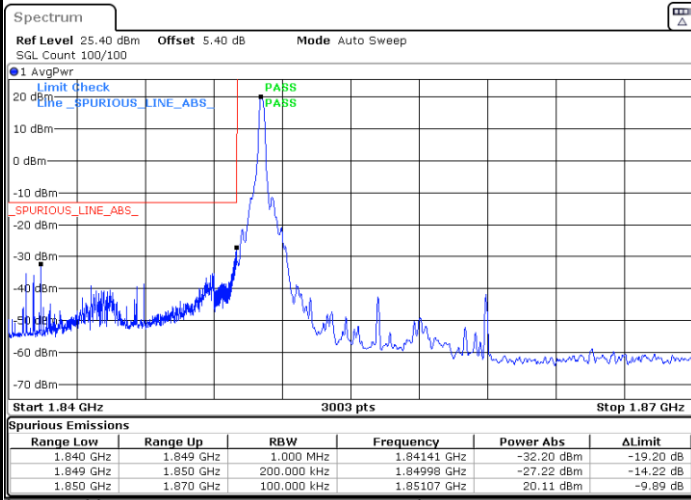




LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



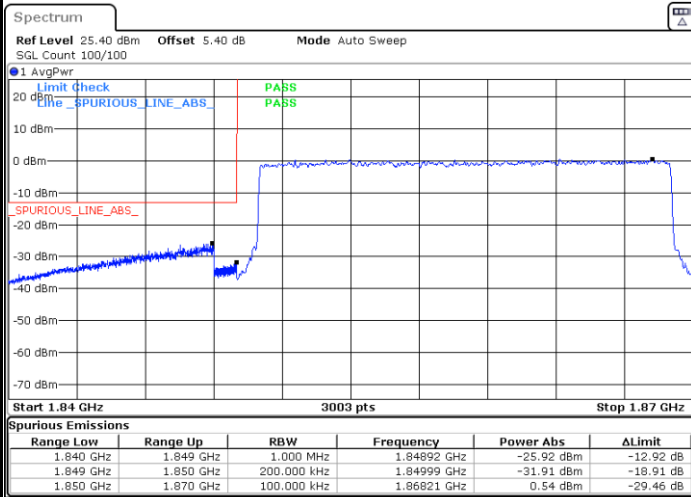
Date: 5.JAN.2023 18:39:29

Highest Band Edge / 1 RB



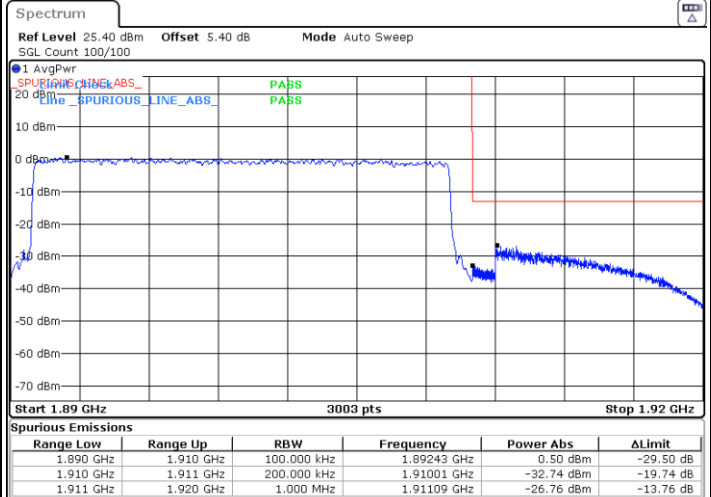
Date: 5.JAN.2023 18:57:44

Lowest Band Edge / Full RB



Date: 5.JAN.2023 18:44:21

Highest Band Edge / Full RB

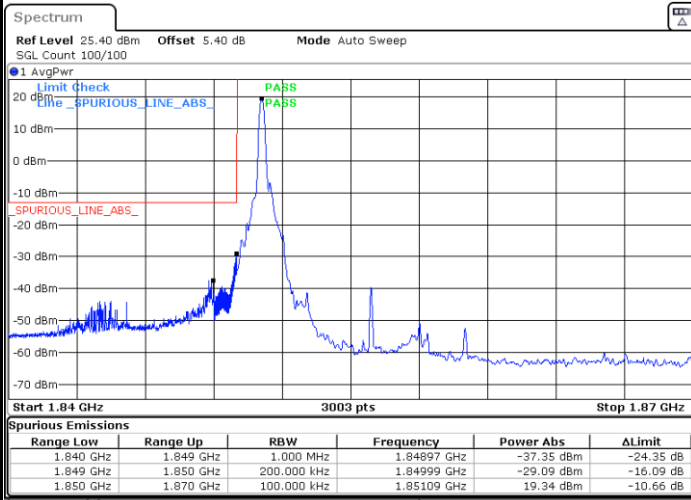


Date: 5.JAN.2023 19:01:54



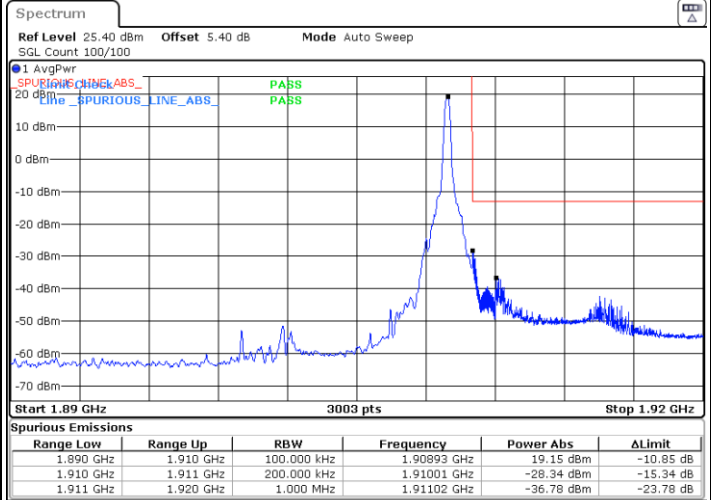
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



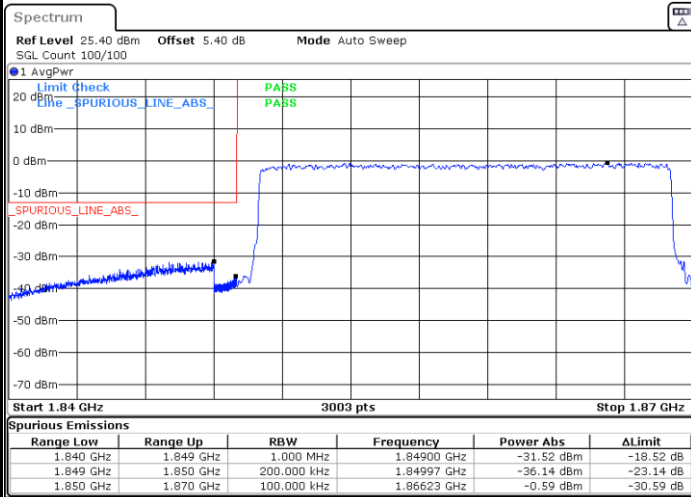
Date: 5.JAN.2023 18:39:58

Highest Band Edge / 1 RB



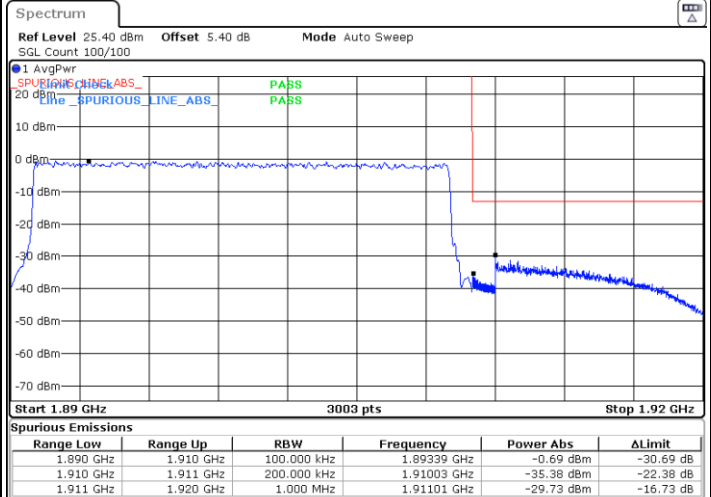
Date: 5.JAN.2023 18:58:40

Lowest Band Edge / Full RB



Date: 5.JAN.2023 18:43:40

Highest Band Edge / Full RB

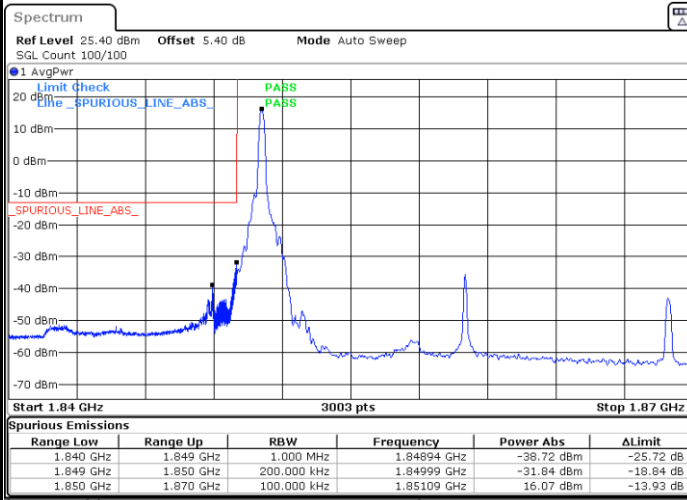


Date: 5.JAN.2023 19:01:17



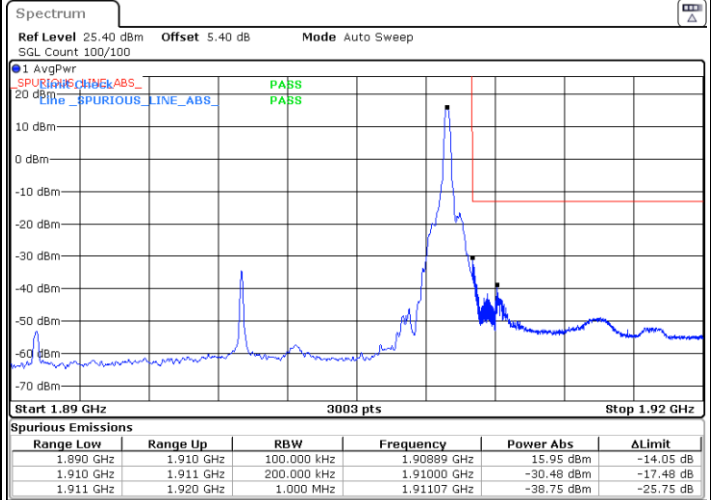
LTE Band 2 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



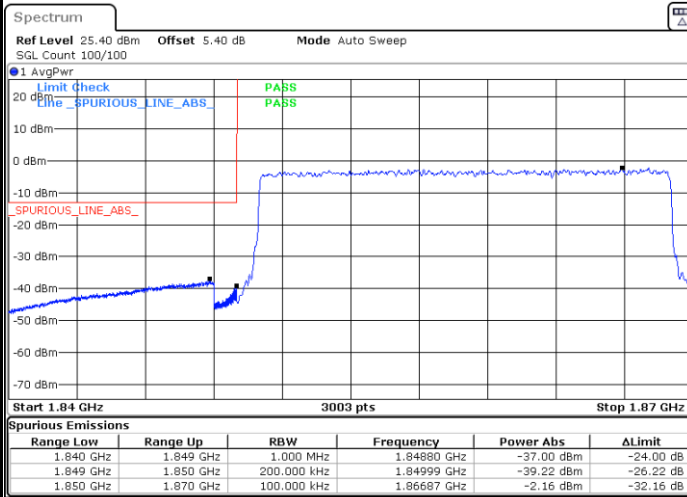
Date: 5.JAN.2023 18:40:27

Highest Band Edge / 1 RB



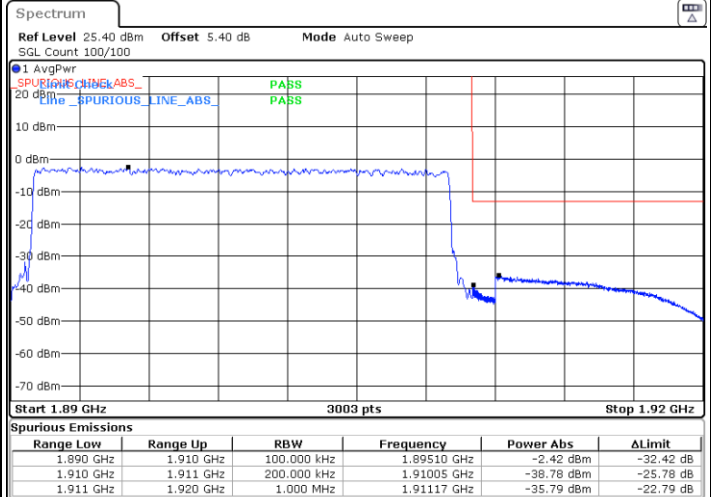
Date: 5.JAN.2023 18:59:33

Lowest Band Edge / Full RB



Date: 5.JAN.2023 18:42:10

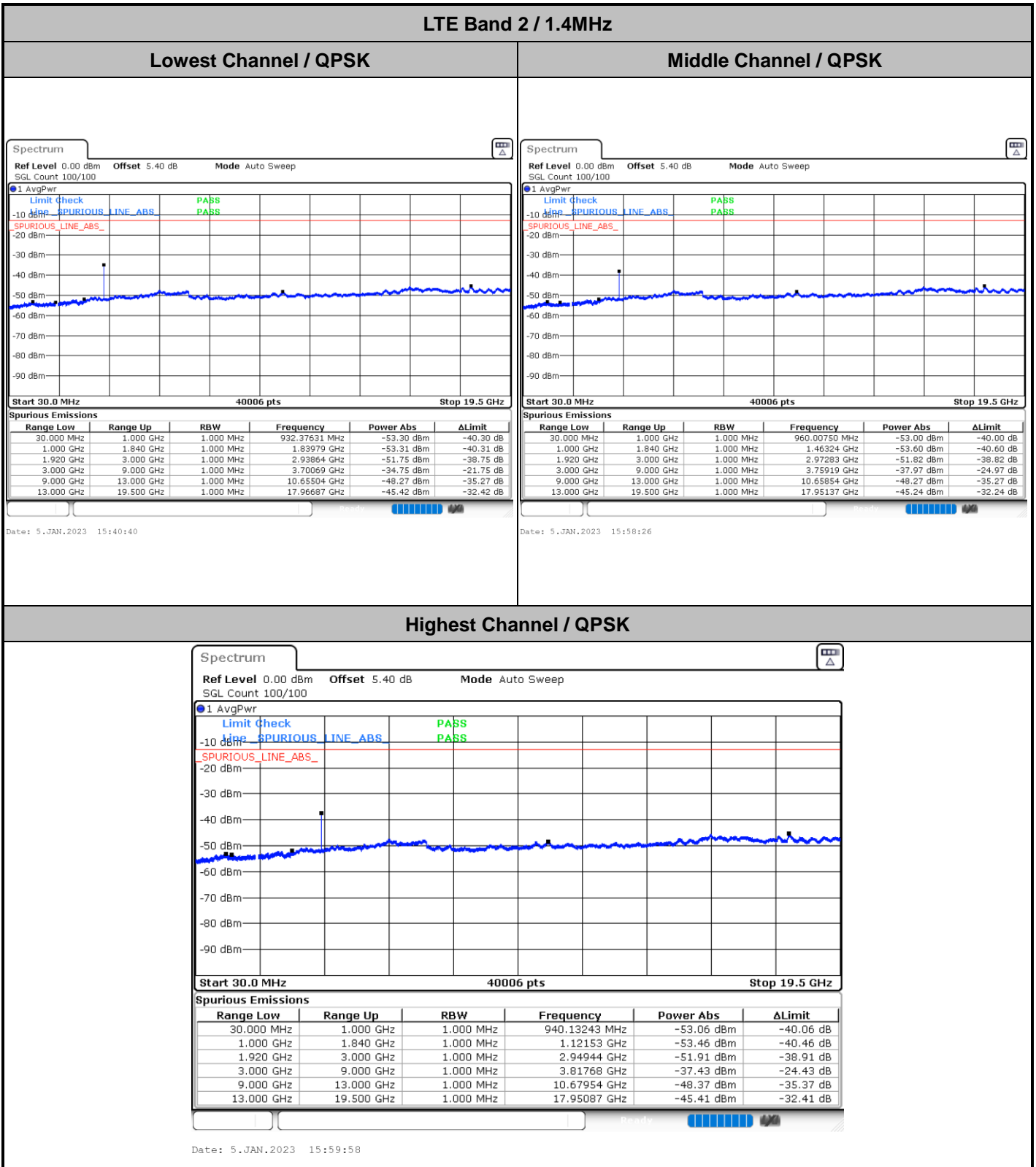
Highest Band Edge / Full RB



Date: 5.JAN.2023 19:00:35



# Conducted Spurious Emission

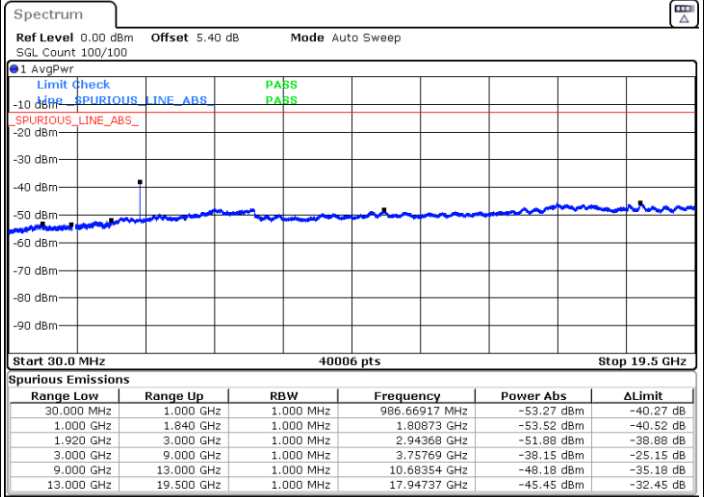
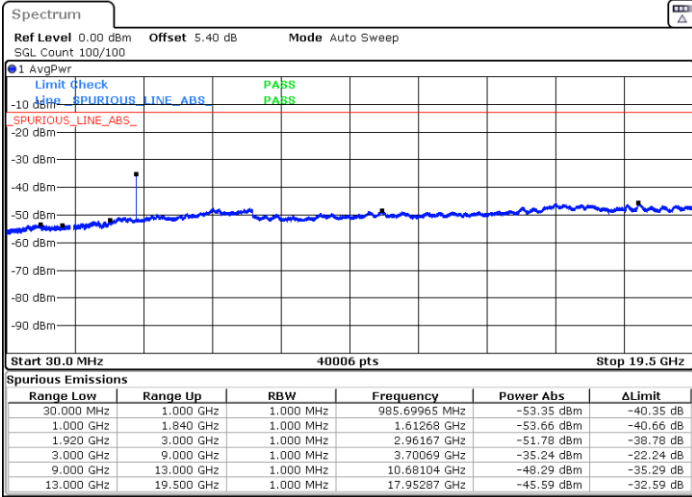




LTE Band 2 / 3MHz

Lowest Channel / QPSK

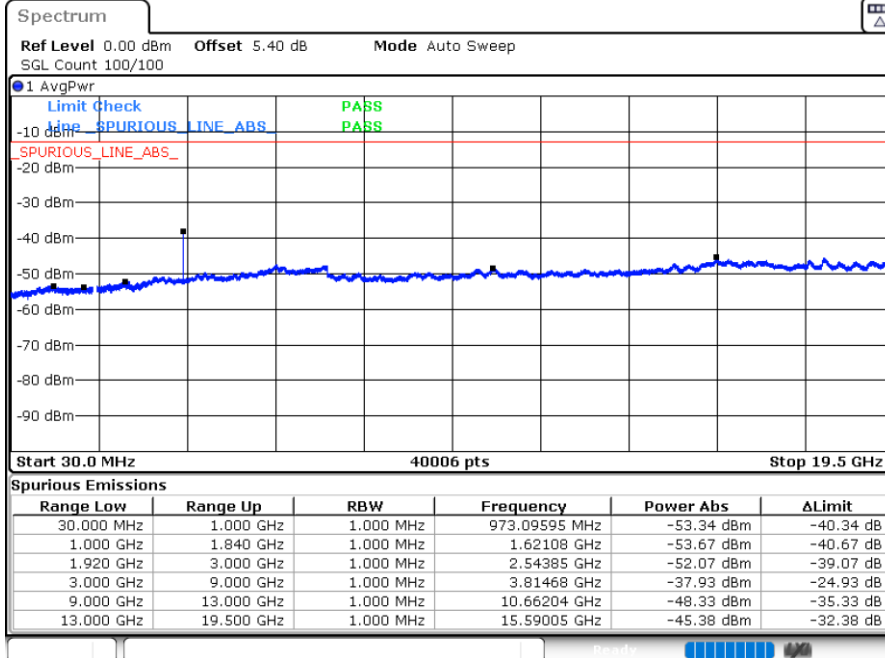
Middle Channel / QPSK



Date: 5.JAN.2023 16:33:43

Date: 5.JAN.2023 16:44:25

Highest Channel / QPSK



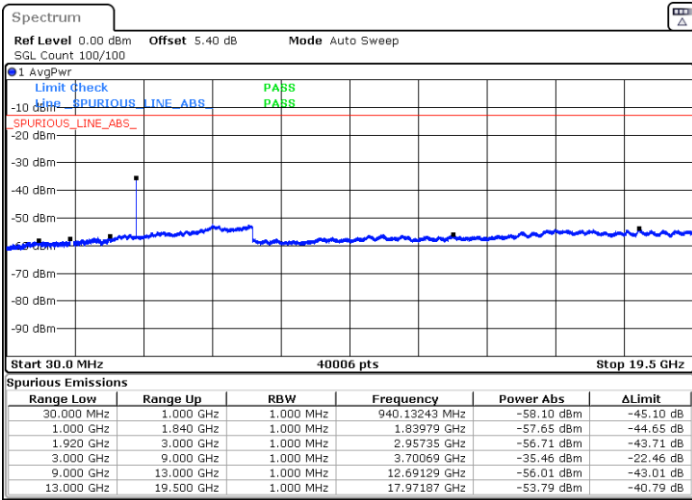
Date: 5.JAN.2023 17:30:10



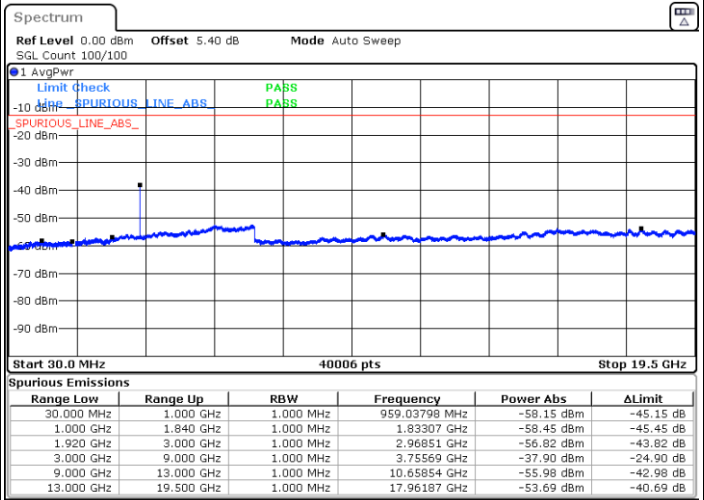
LTE Band 2 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

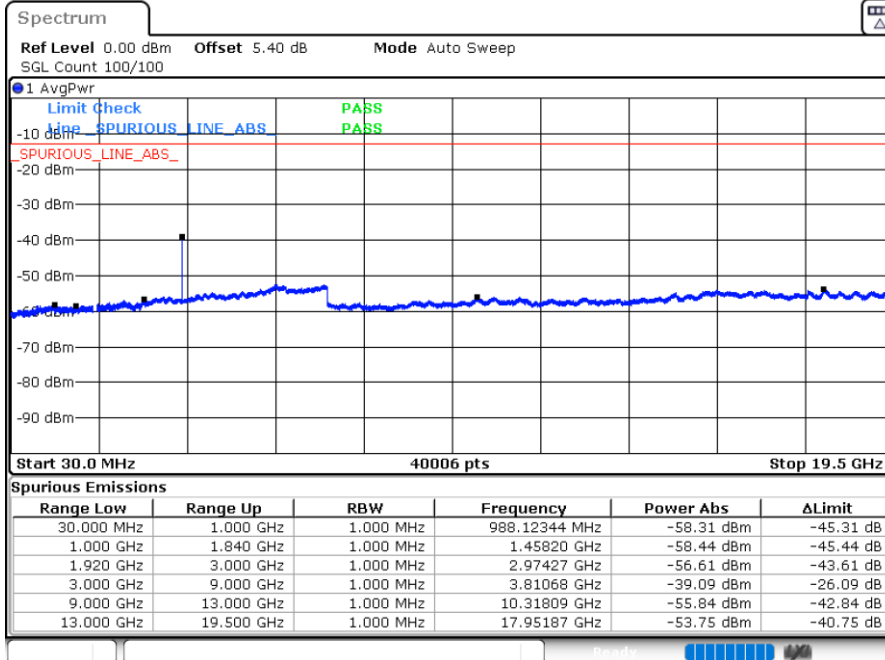


Date: 5.JAN.2023 17:39:06



Date: 5.JAN.2023 17:49:53

Highest Channel / QPSK



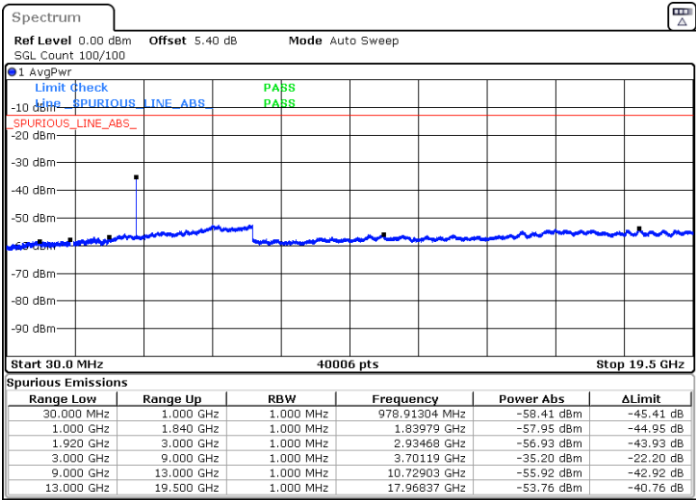
Date: 5.JAN.2023 17:51:34



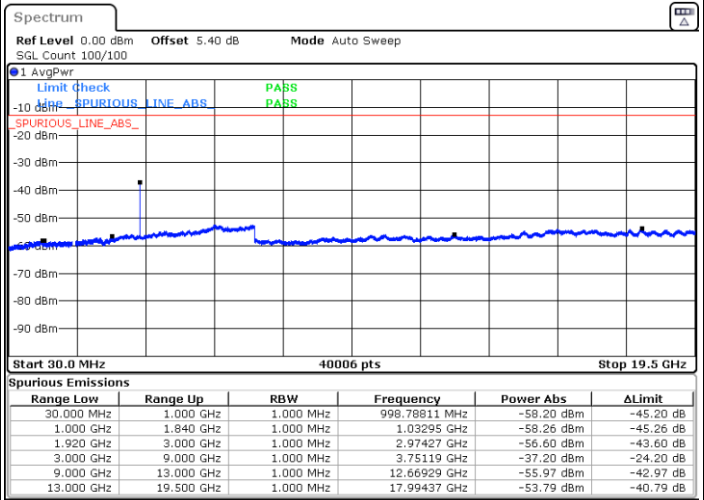
LTE Band 2 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

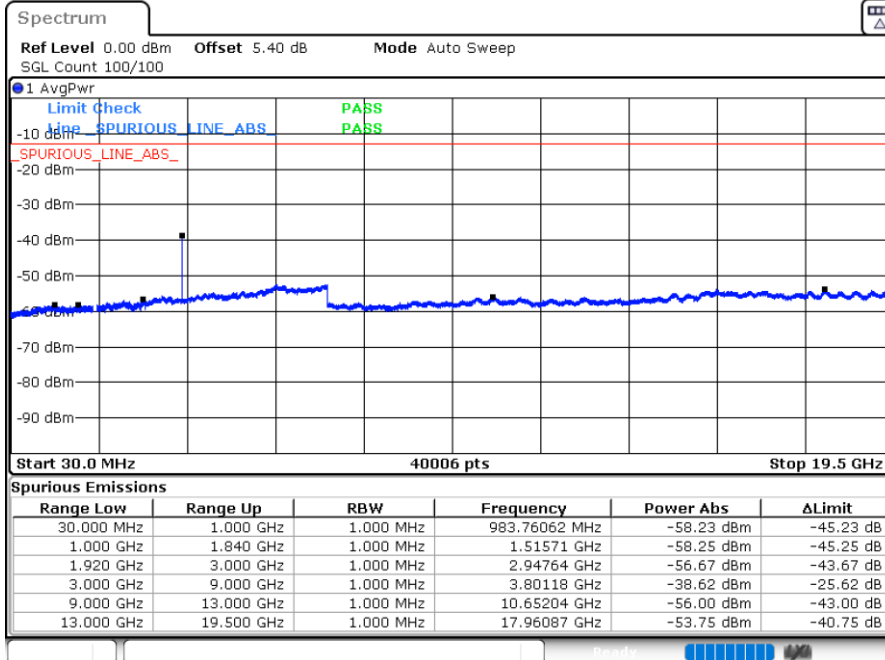


Date: 5.JAN.2023 18:01:37



Date: 5.JAN.2023 18:12:19

Highest Channel / QPSK



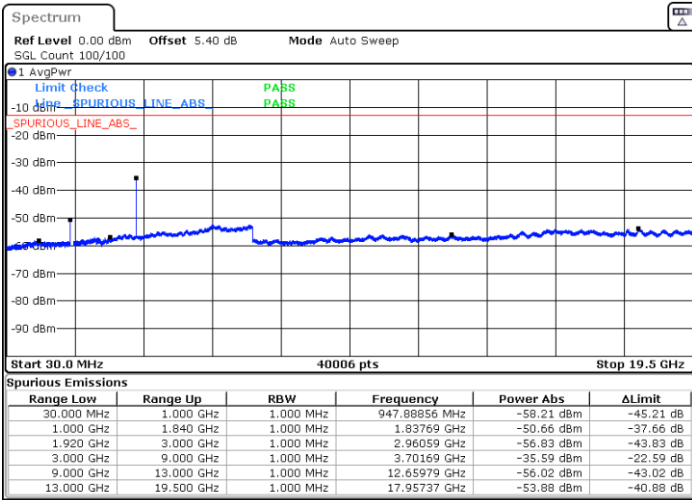
Date: 5.JAN.2023 18:13:48



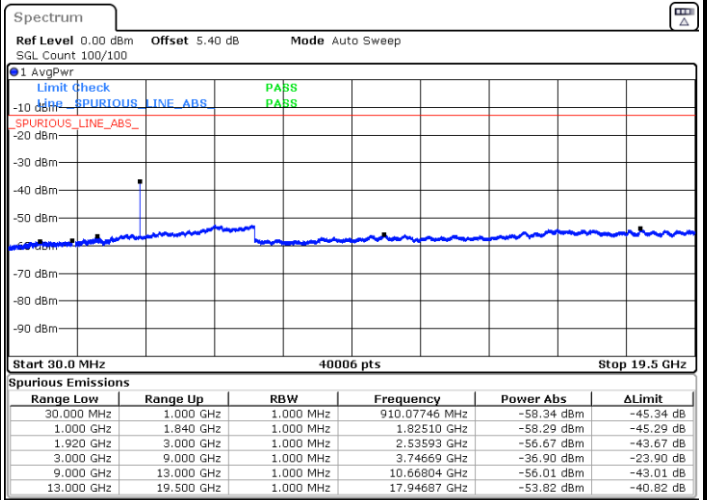
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

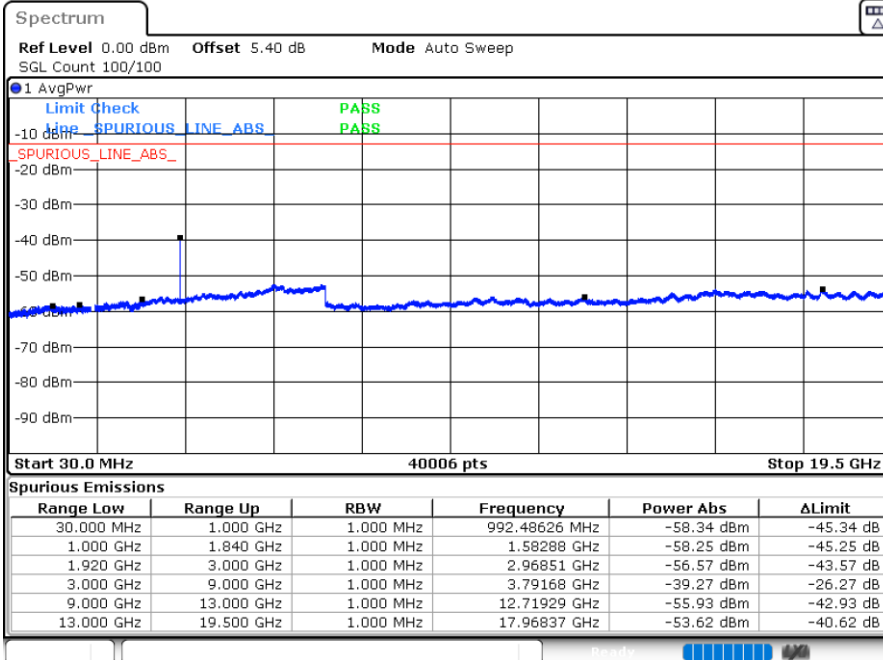


Date: 5.JAN.2023 18:21:47



Date: 5.JAN.2023 18:30:01

Highest Channel / QPSK



Date: 5.JAN.2023 18:31:28

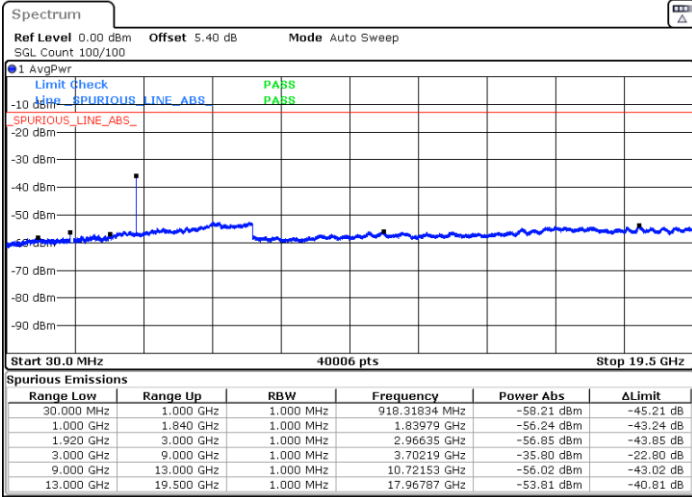




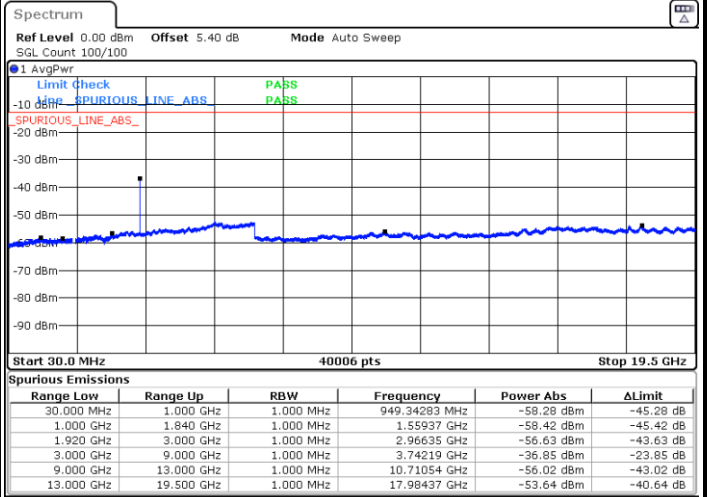
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

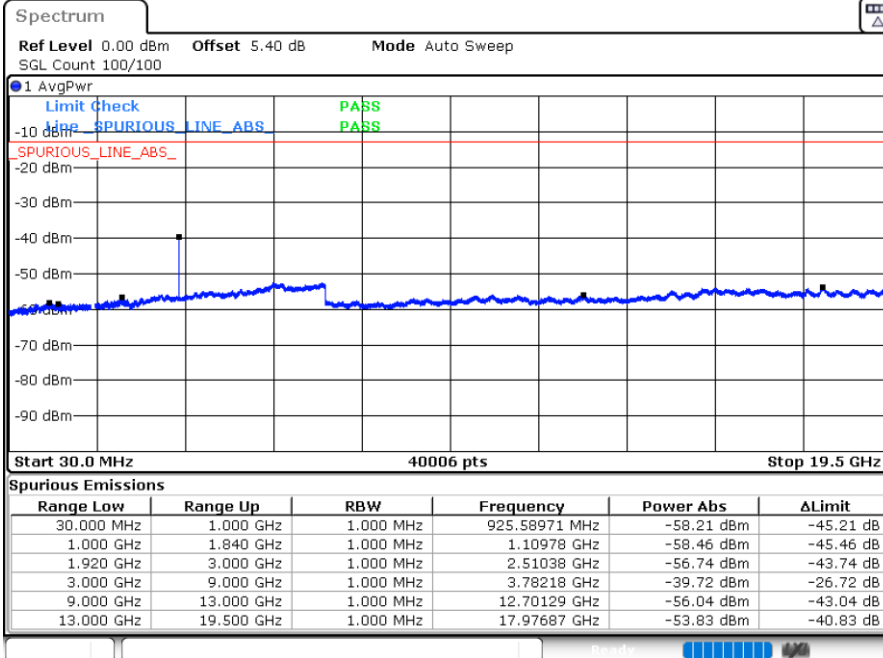


Date: 5.JAN.2023 18:38:27



Date: 5.JAN.2023 18:46:17

Highest Channel / QPSK



Date: 5.JAN.2023 18:54:33



Frequency Stability

Test Conditions		LTE Band 2 (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	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0042	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0004	

Note:

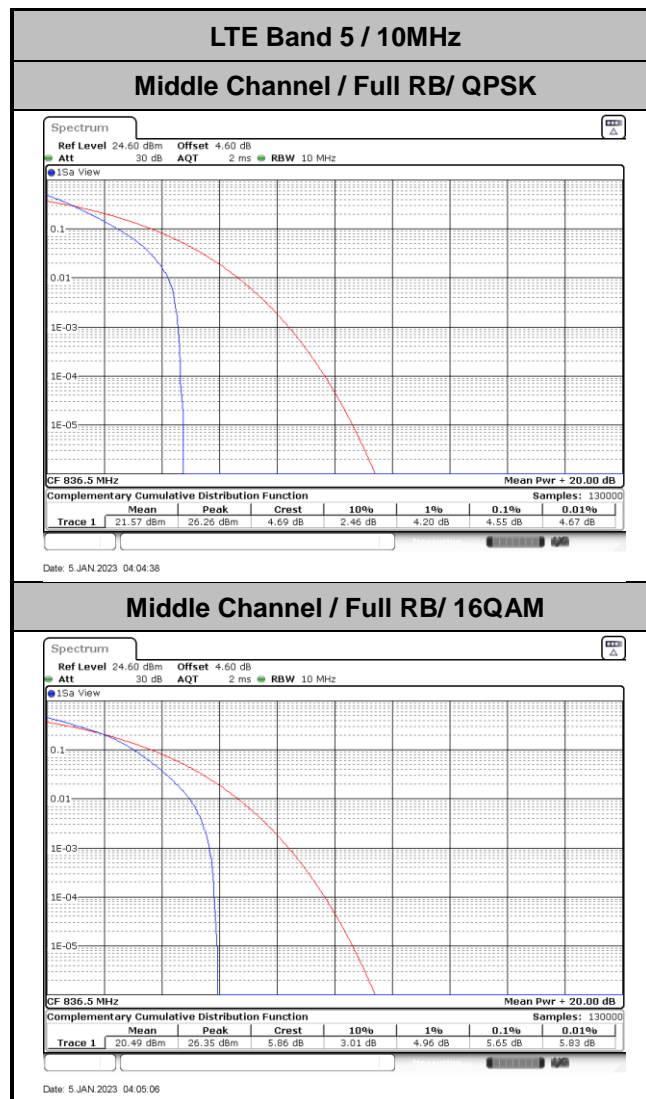
1. Normal Voltage = 3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage = 4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

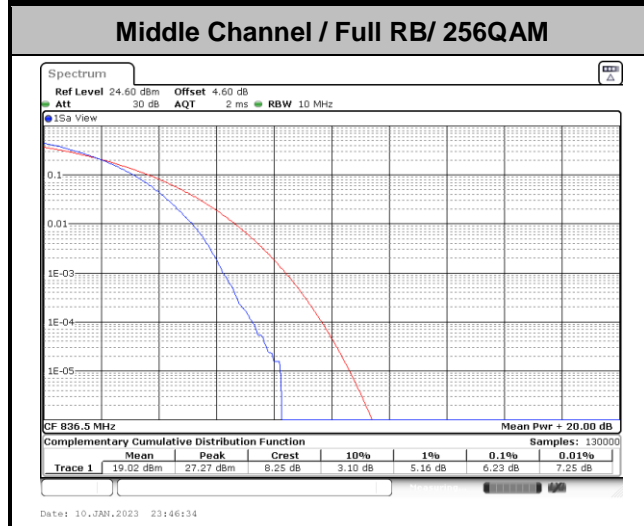
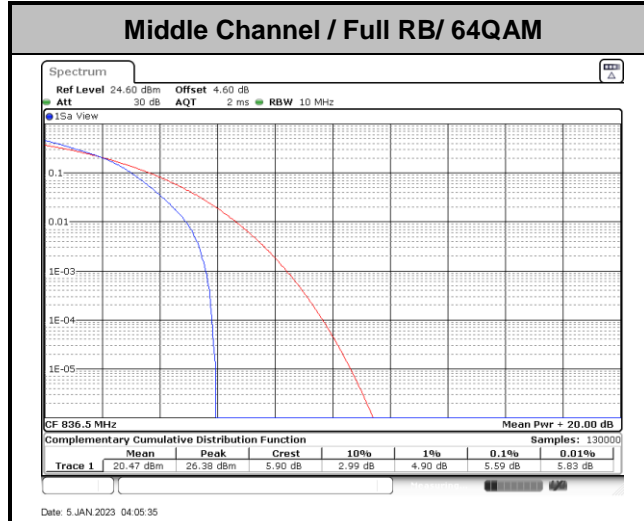


# LTE Band 5

## Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256Q	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.55	5.65	5.59	6.23	PASS

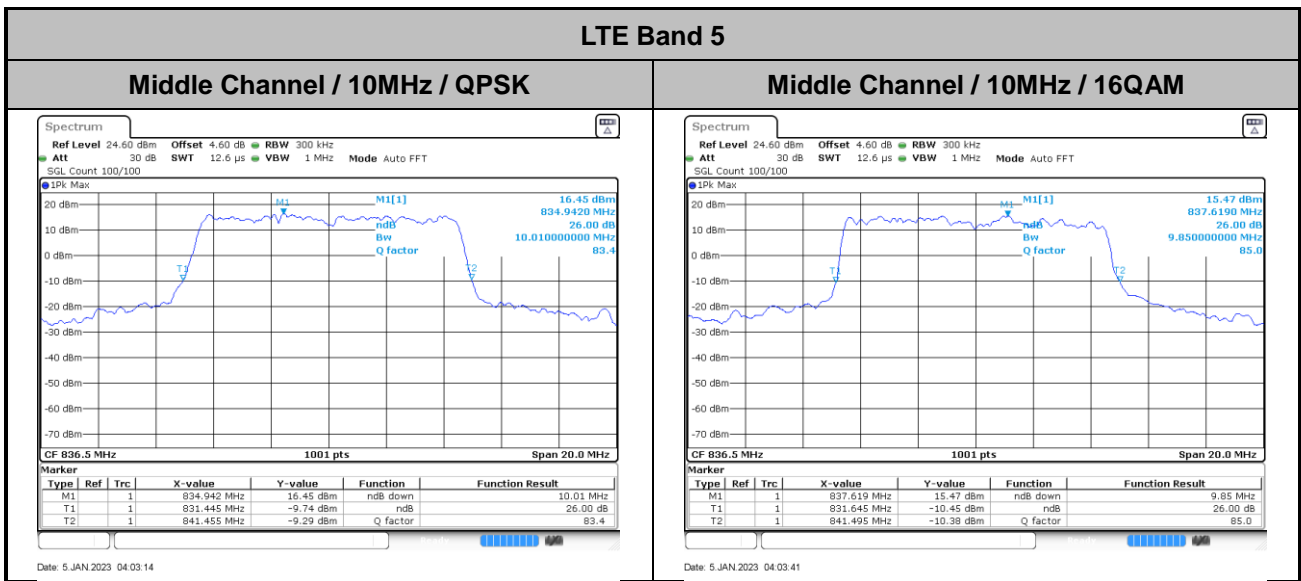






## 26dB Bandwidth

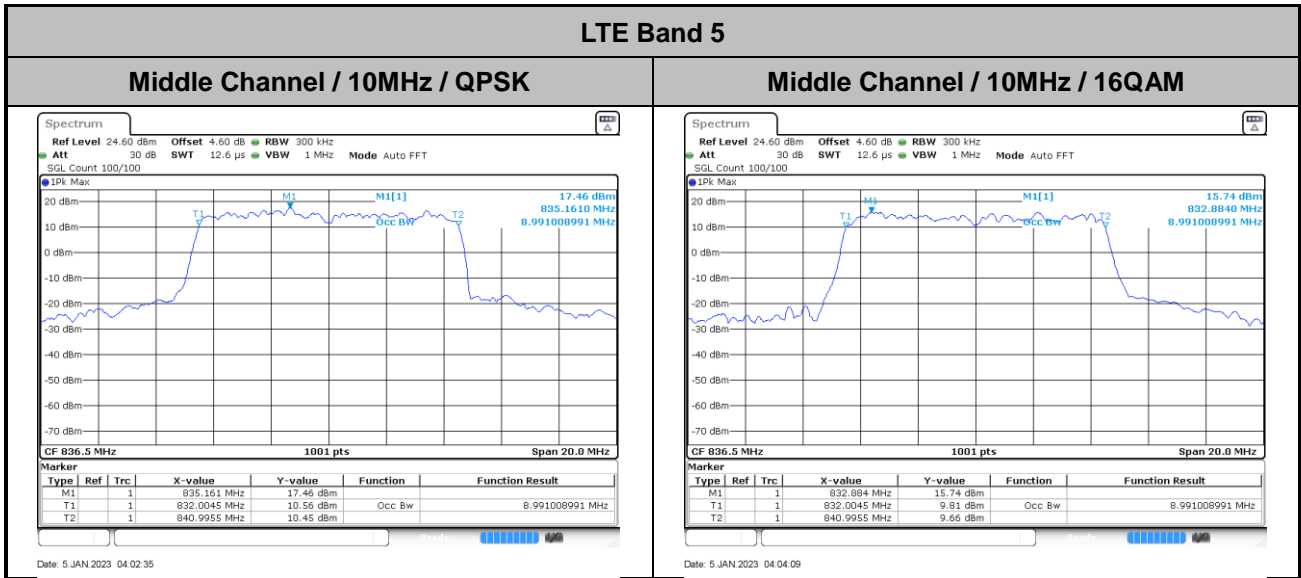
Mode	LTE Band 5 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	10.01	9.85





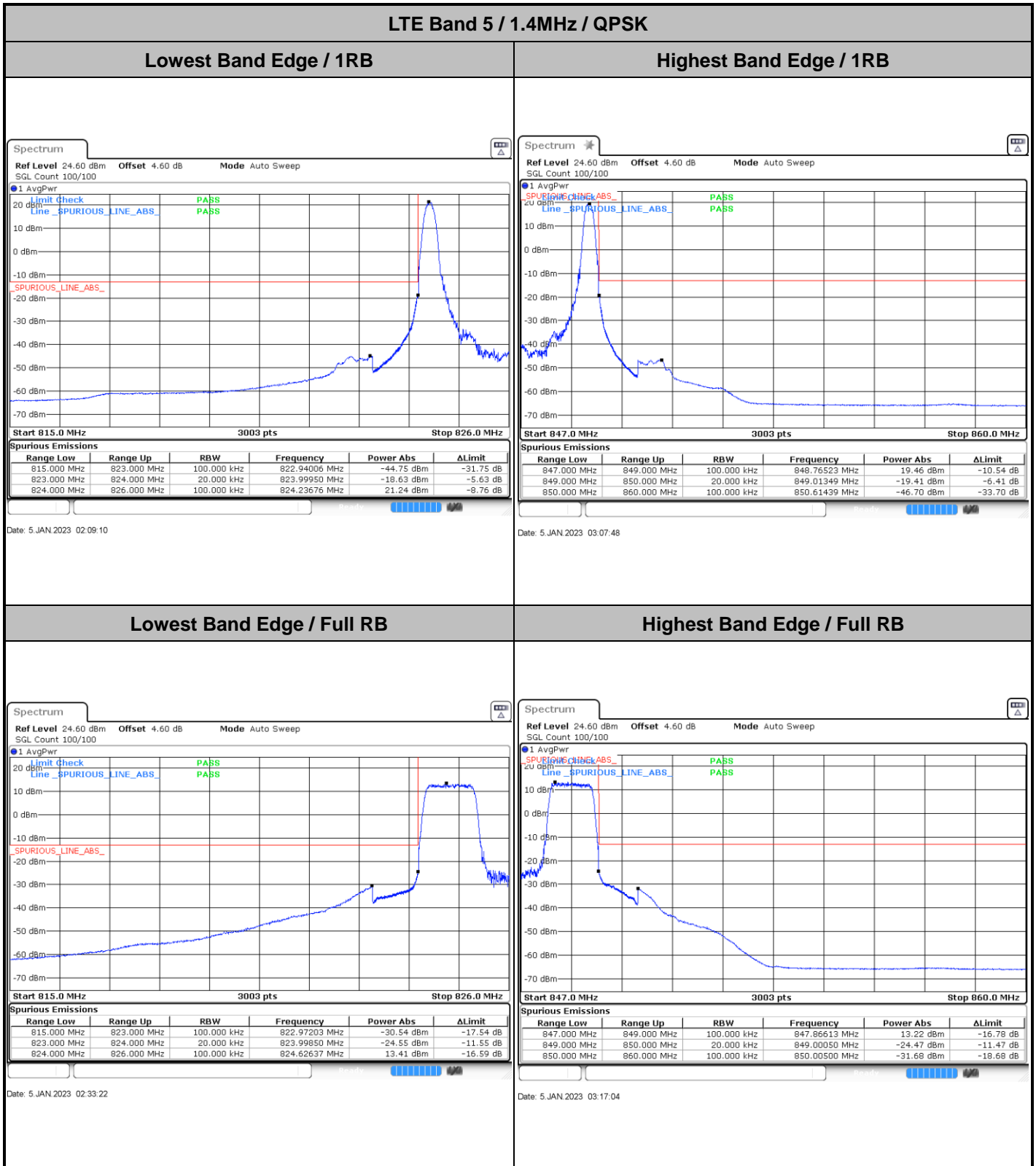
# Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	8.99	8.99





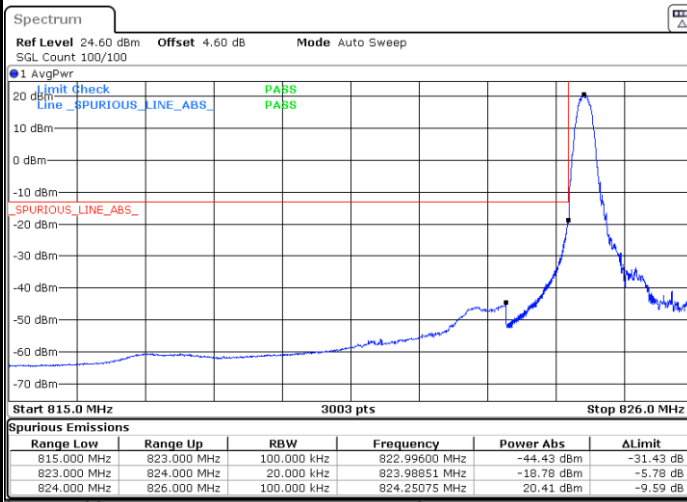
# Conducted Band Edge





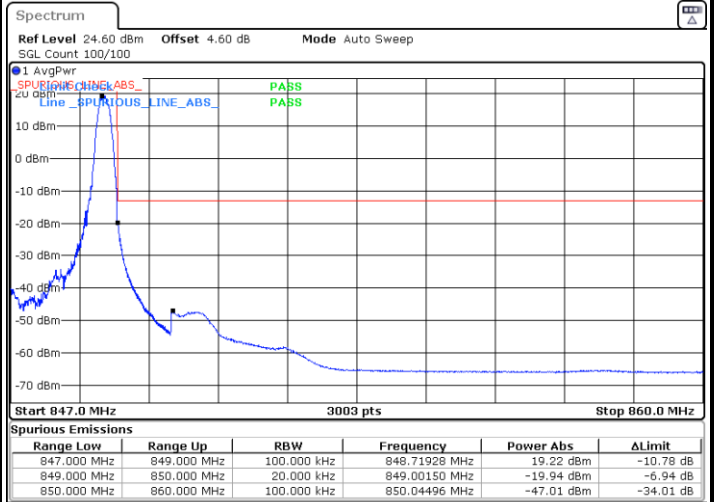
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



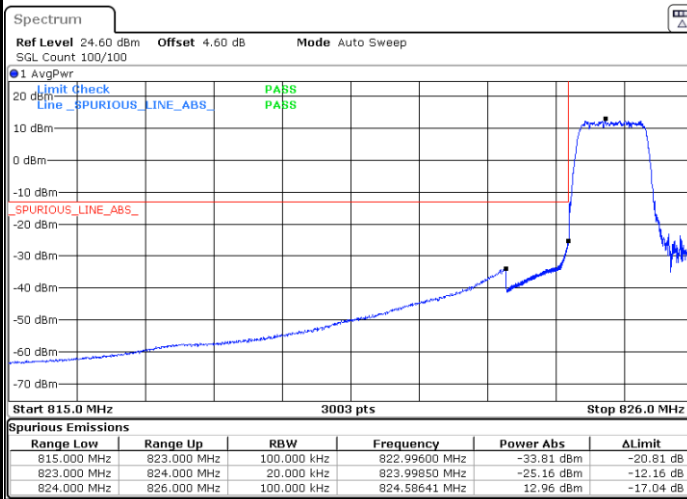
Date: 5 JAN 2023 02:11:10

Highest Band Edge / 1 RB



Date: 5 JAN 2023 03:09:41

Lowest Band Edge / Full RB



Date: 5 JAN 2023 02:35:04

Highest Band Edge / Full RB



Date: 5 JAN 2023 03:15:07





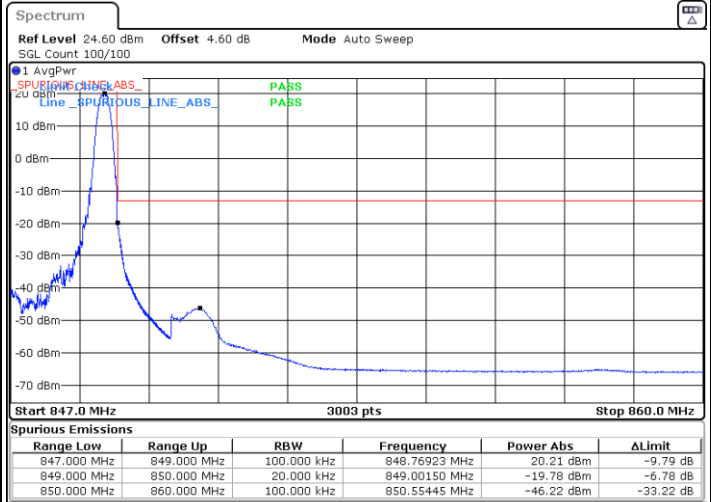
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



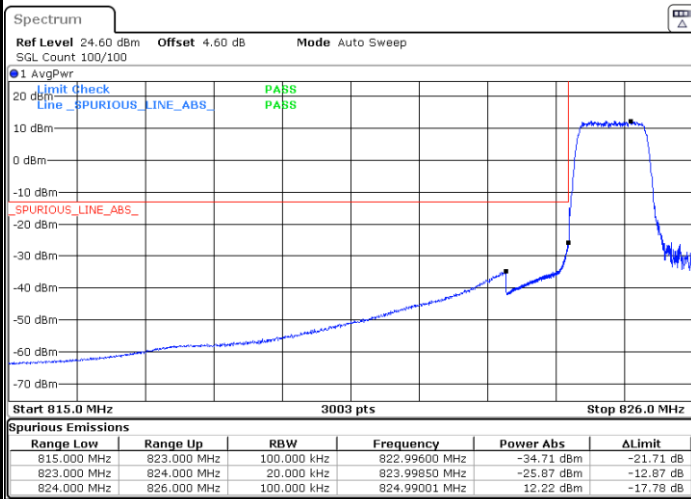
Date: 5 JAN 2023 02:13:17

Highest Band Edge / 1 RB



Date: 5 JAN 2023 03:11:26

Lowest Band Edge / Full RB



Date: 5 JAN 2023 02:36:47

Highest Band Edge / Full RB

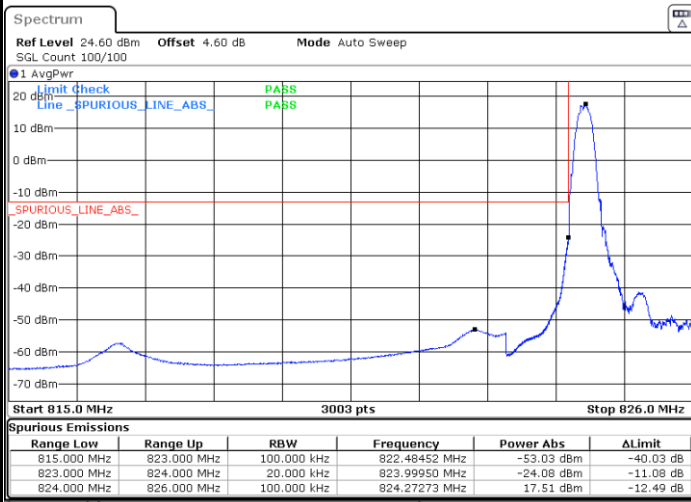


Date: 5 JAN 2023 03:13:11



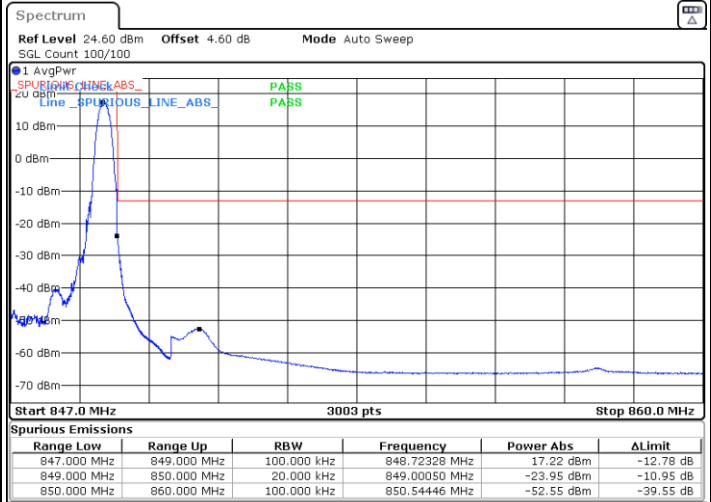
LTE Band 5 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



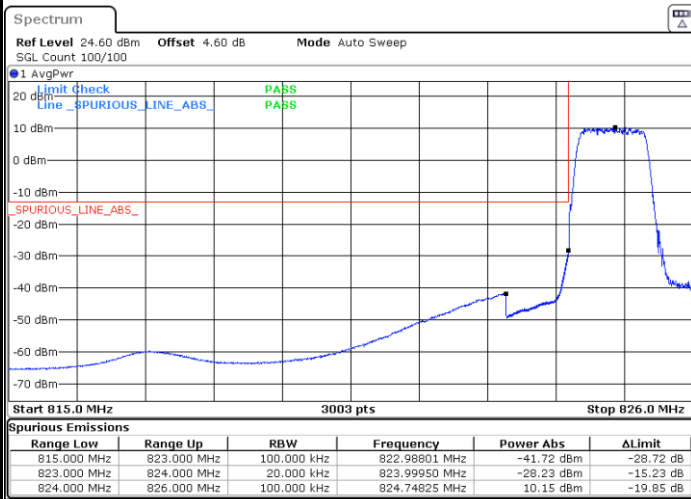
Date: 10.JAN.2023 23:01:30

Highest Band Edge / 1 RB



Date: 10.JAN.2023 23:11:55

Lowest Band Edge / Full RB



Date: 10.JAN.2023 22:59:10

Highest Band Edge / Full RB

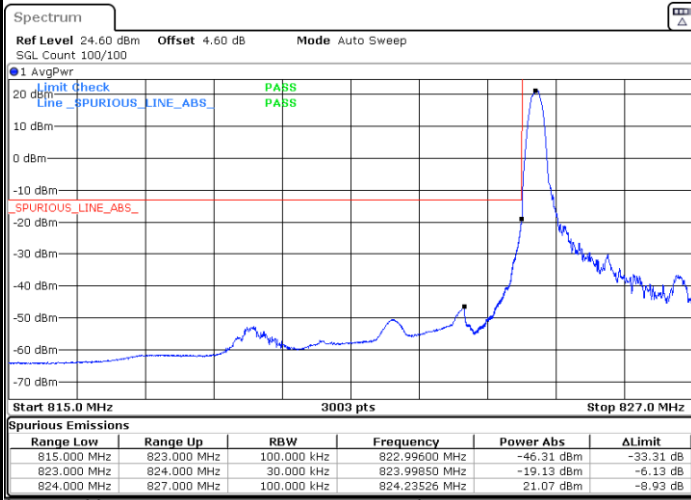


Date: 10.JAN.2023 23:09:50



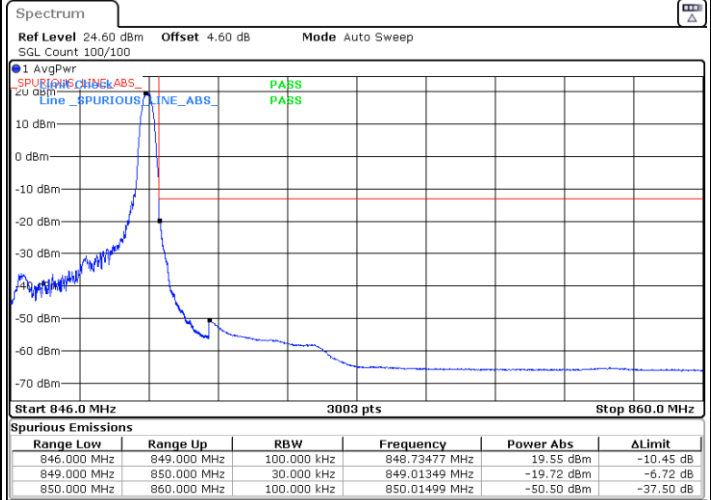
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



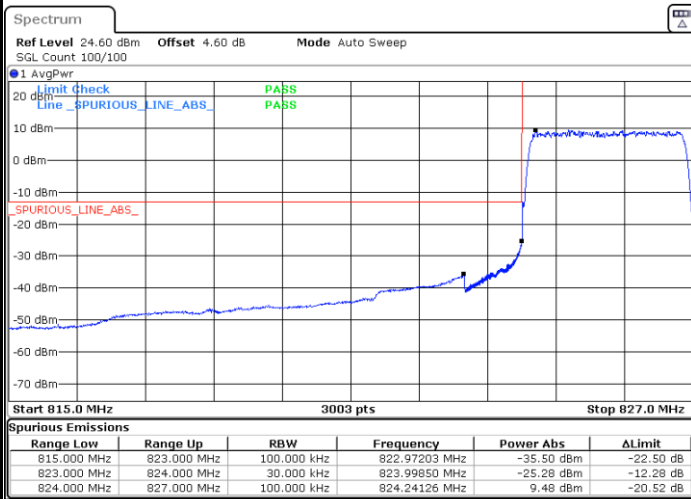
Date: 5 JAN 2023 03:20:08

Highest Band Edge / 1 RB



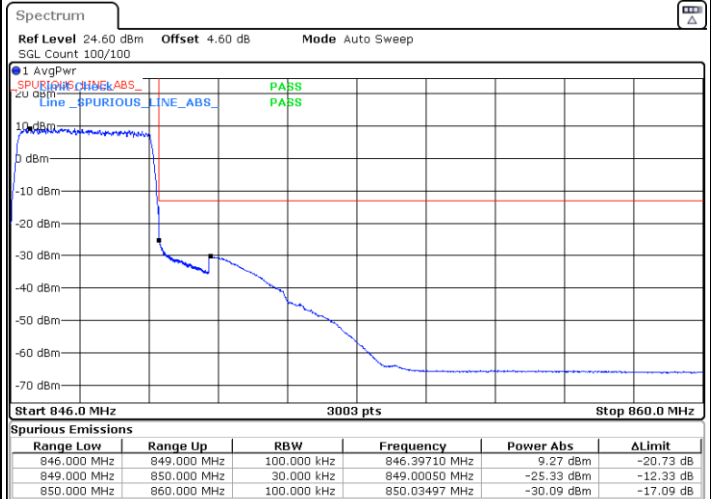
Date: 5 JAN 2023 03:31:26

Lowest Band Edge / Full RB



Date: 5 JAN 2023 03:26:56

Highest Band Edge / Full RB



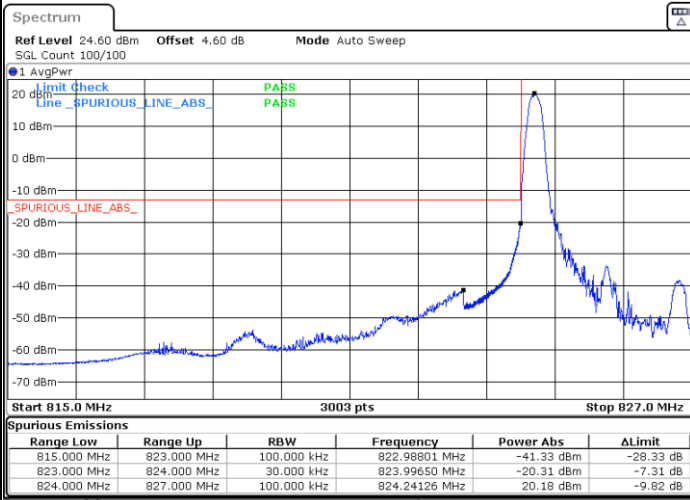
Date: 5 JAN 2023 03:38:00



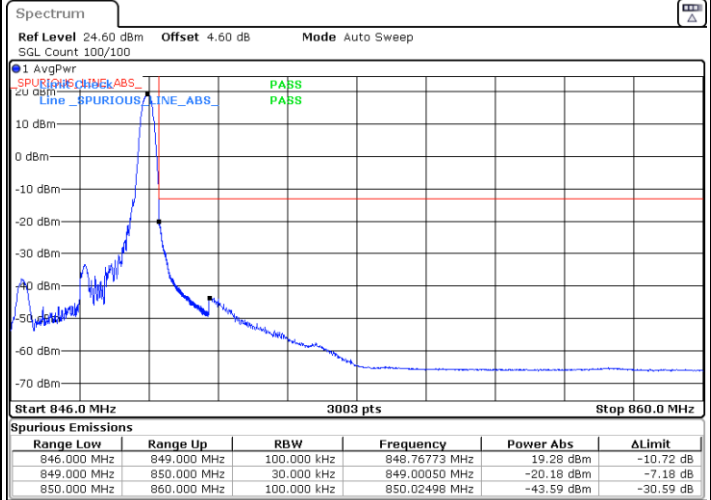
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



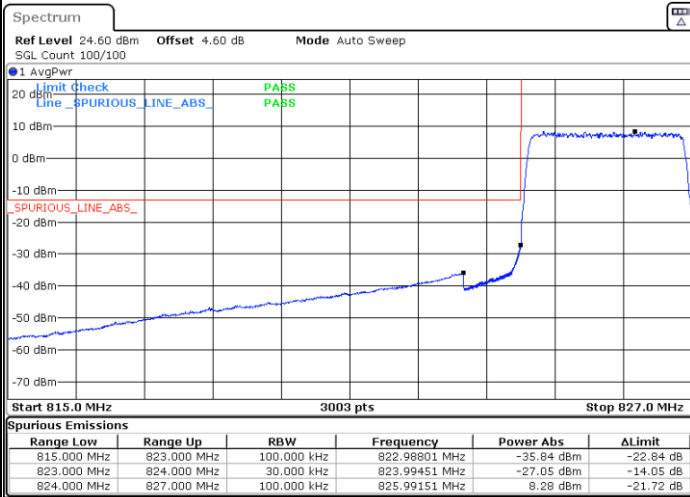
Date: 5 JAN 2023 03:21:26



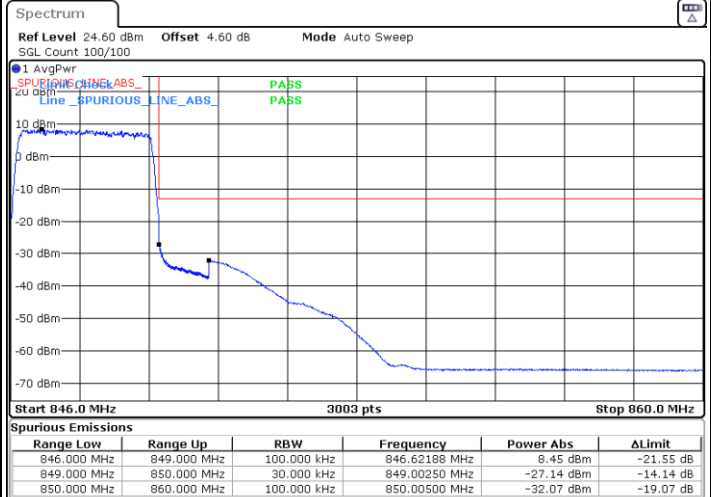
Date: 5 JAN 2023 03:32:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5 JAN 2023 03:25:28

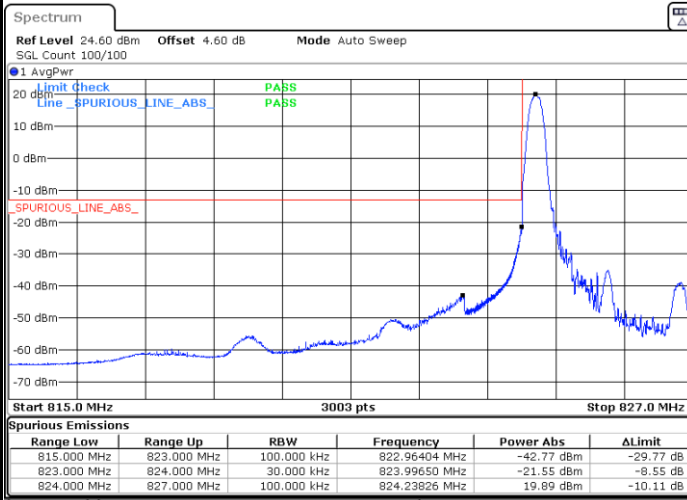


Date: 5 JAN 2023 03:36:42



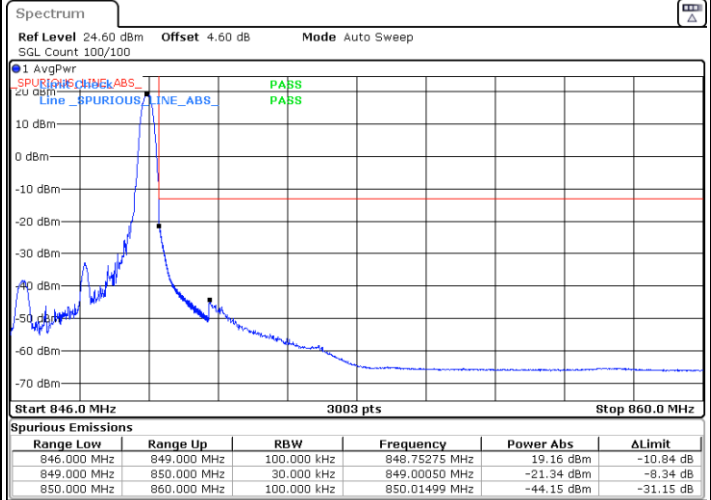
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



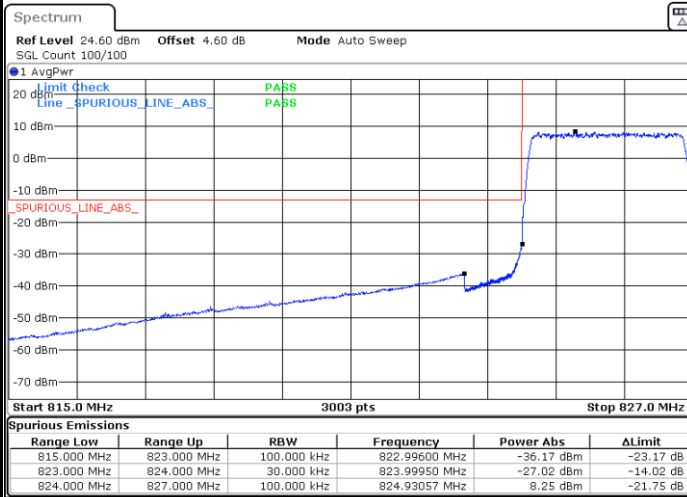
Date: 5 JAN 2023 03:22:50

Highest Band Edge / 1 RB



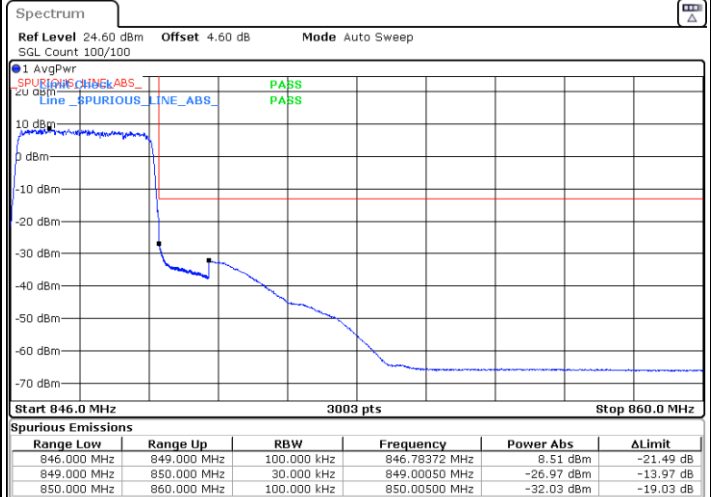
Date: 5 JAN 2023 03:33:58

Lowest Band Edge / Full RB



Date: 5 JAN 2023 03:24:13

Highest Band Edge / Full RB



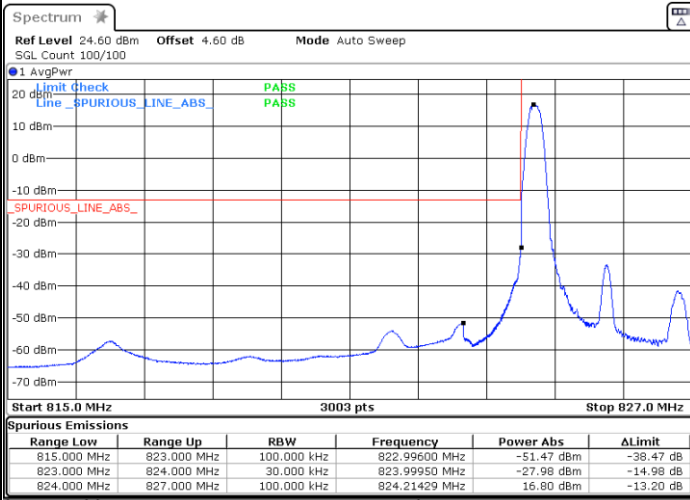
Date: 5 JAN 2023 03:35:21



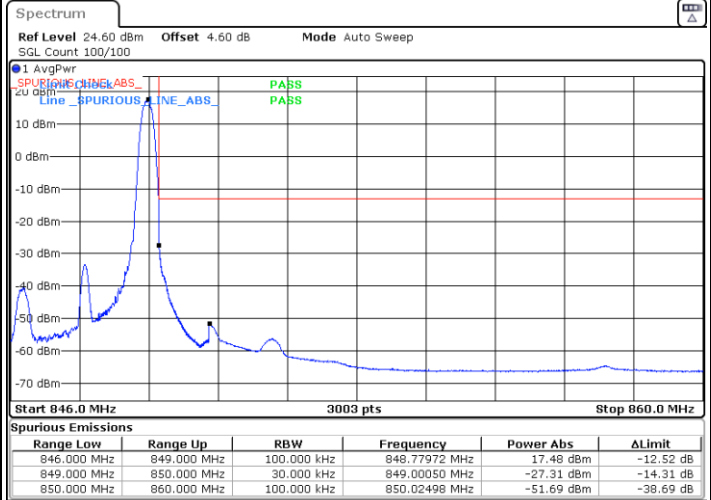
LTE Band 5 / 3MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



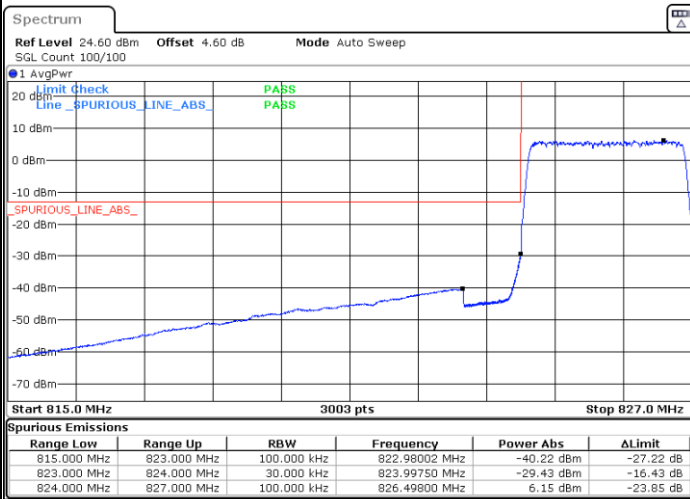
Date: 10.JAN.2023 23:15:44



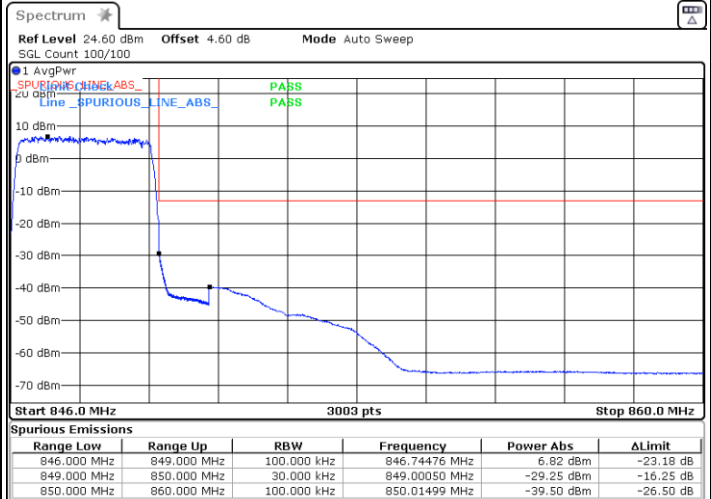
Date: 10.JAN.2023 23:31:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.JAN.2023 23:14:19

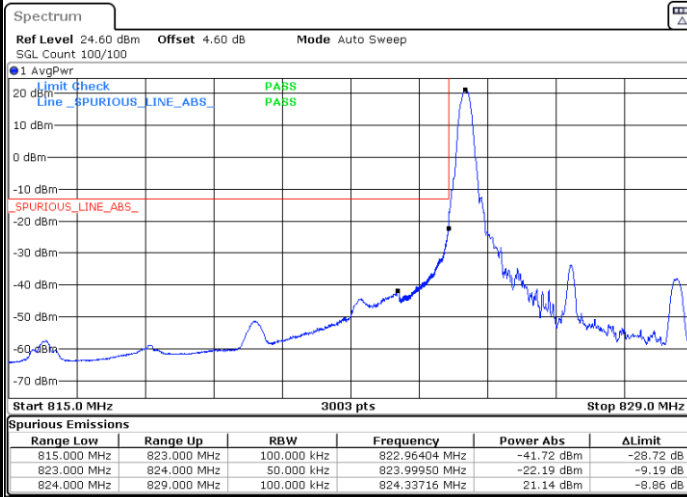


Date: 10.JAN.2023 23:29:43



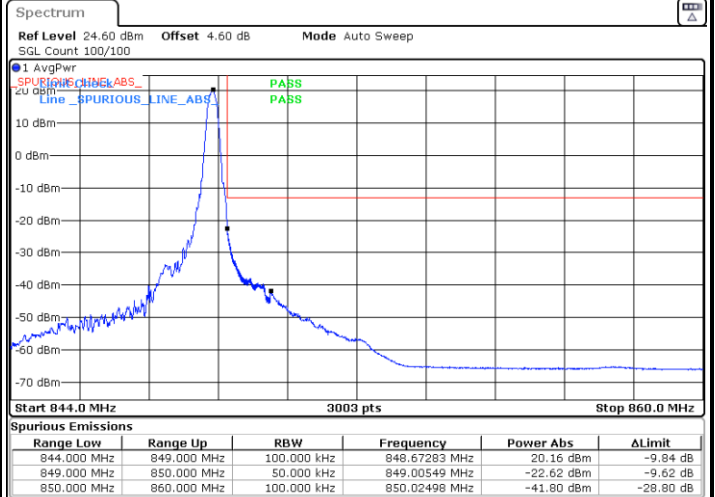
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



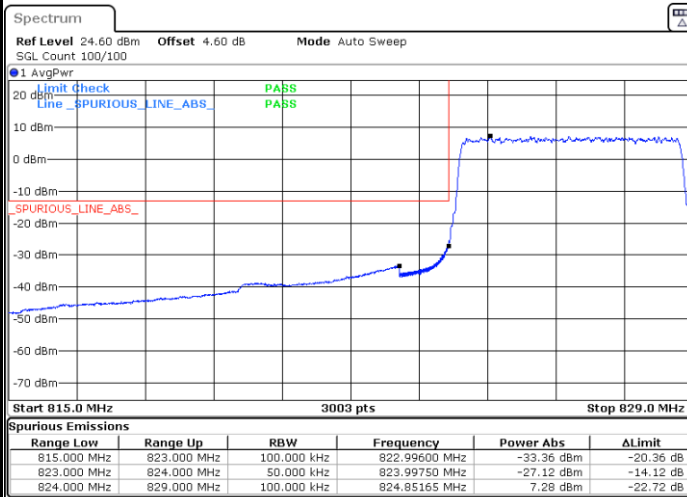
Date: 5 JAN 2023 03:41:07

Highest Band Edge / 1 RB



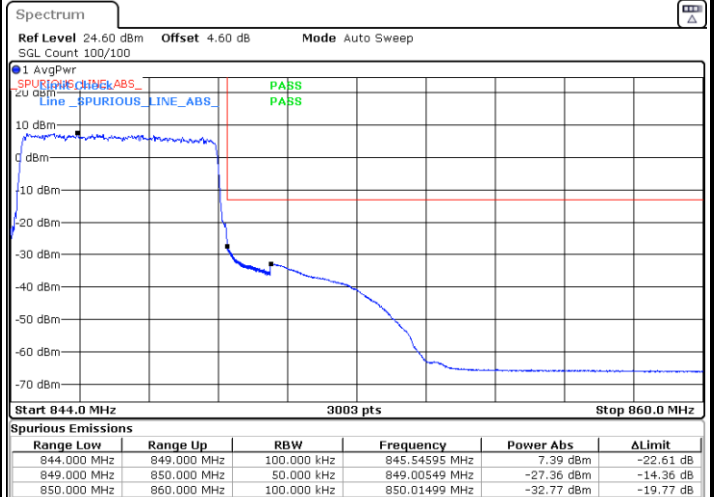
Date: 5 JAN 2023 03:49:36

Lowest Band Edge / Full RB



Date: 5 JAN 2023 03:45:39

Highest Band Edge / Full RB

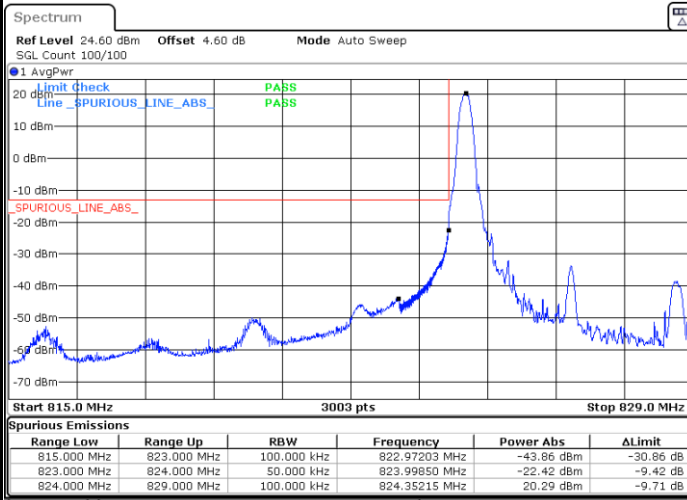


Date: 5 JAN 2023 03:54:39



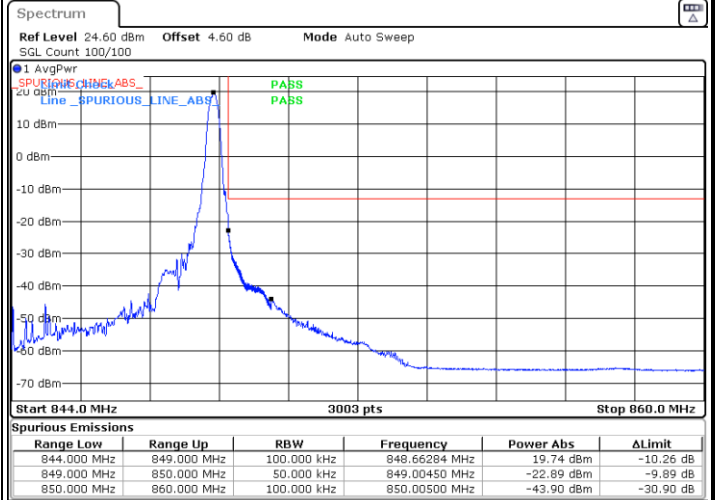
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



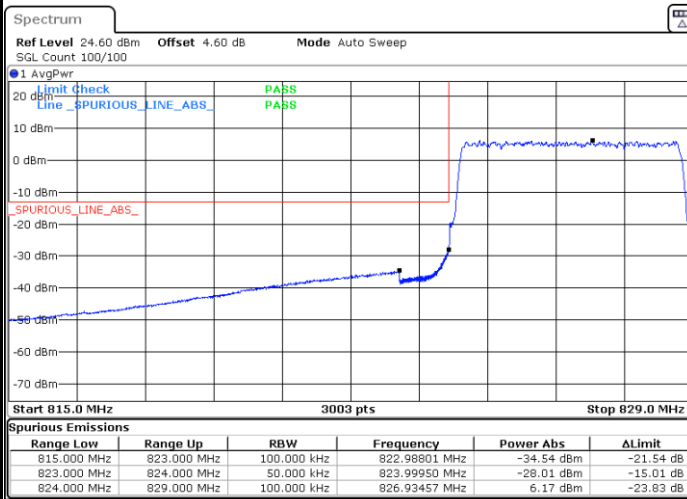
Date: 5 JAN 2023 03:42:02

Highest Band Edge / 1 RB



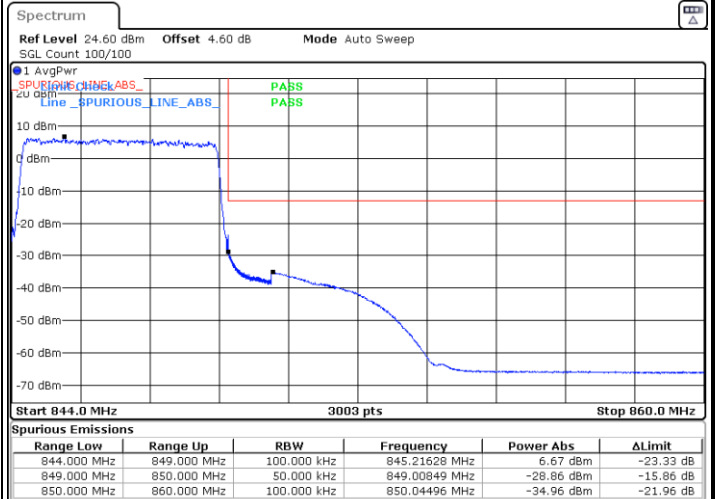
Date: 5 JAN 2023 03:50:35

Lowest Band Edge / Full RB



Date: 5 JAN 2023 03:44:44

Highest Band Edge / Full RB



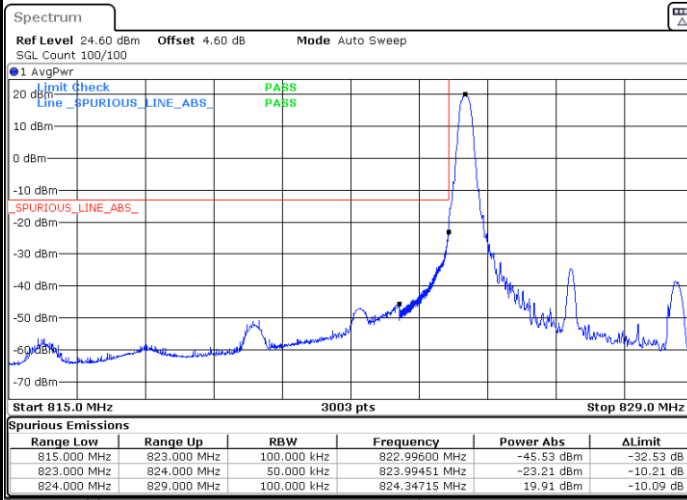
Date: 5 JAN 2023 03:53:40





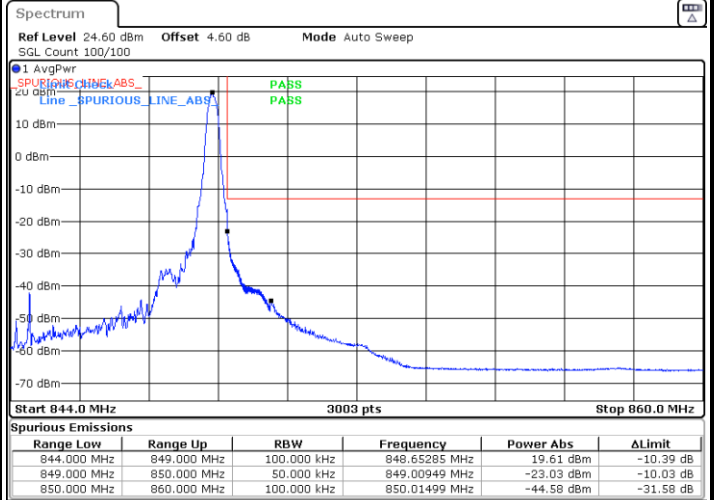
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



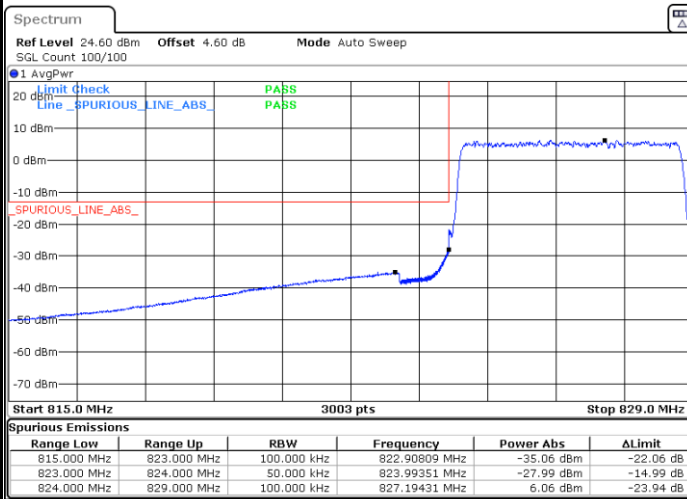
Date: 5 JAN 2023 03:42:56

Highest Band Edge / 1 RB



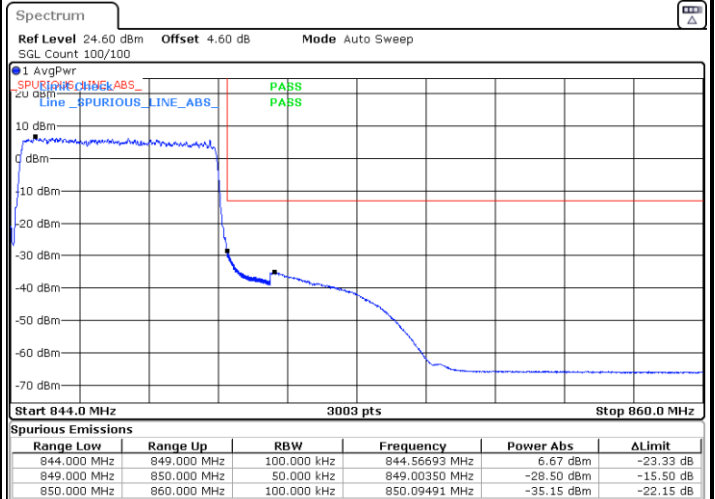
Date: 5 JAN 2023 03:51:35

Lowest Band Edge / Full RB



Date: 5 JAN 2023 03:43:50

Highest Band Edge / Full RB

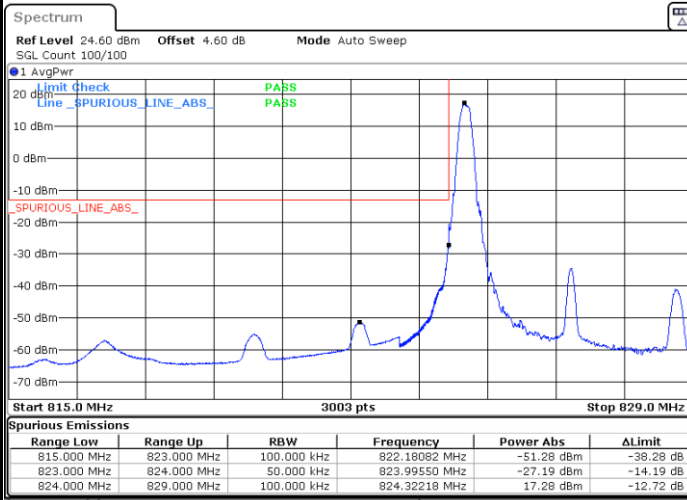


Date: 5 JAN 2023 03:52:41



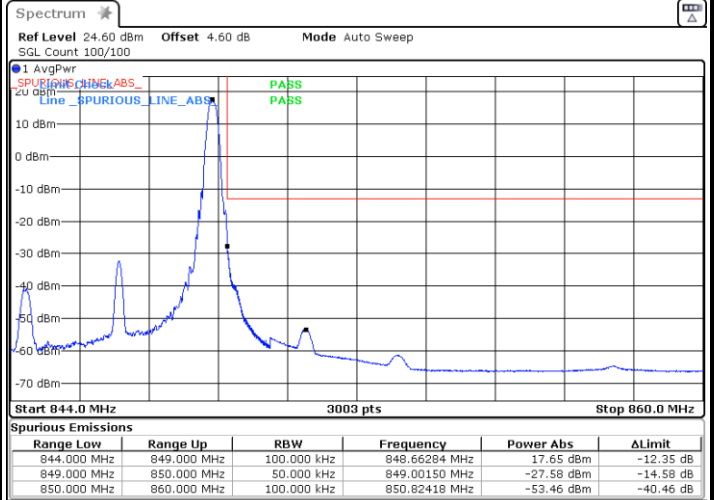
LTE Band 5 / 5MHz / 256QAM

Lowest Band Edge / 1RB



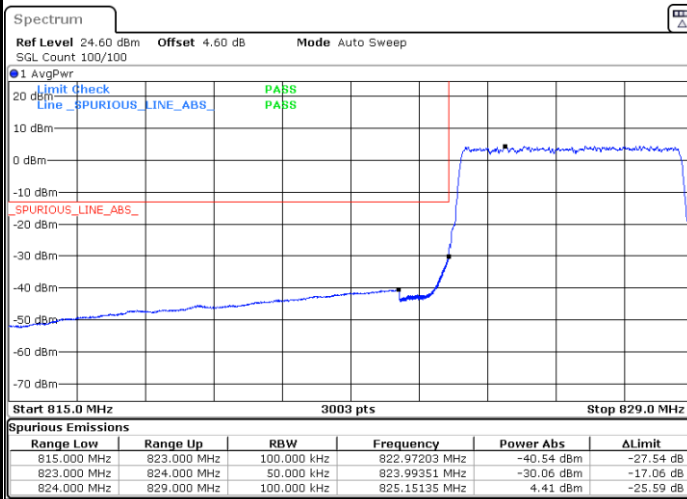
Date: 10. JAN. 2023 23:40:54

Highest Band Edge / 1 RB



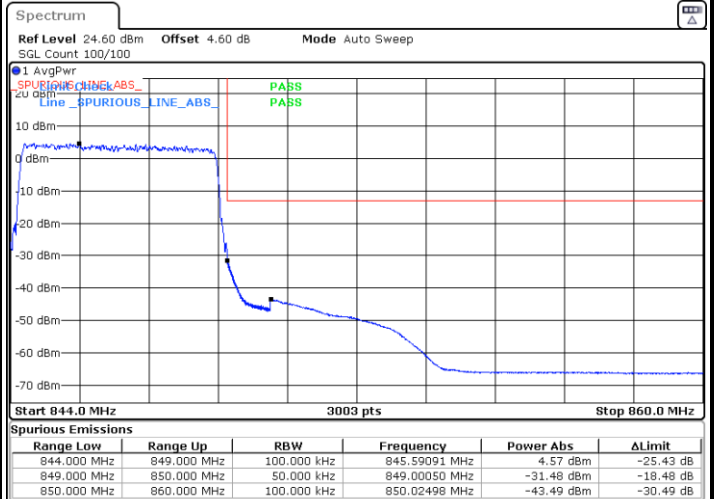
Date: 10. JAN. 2023 23:43:58

Lowest Band Edge / Full RB



Date: 10. JAN. 2023 23:32:24

Highest Band Edge / Full RB



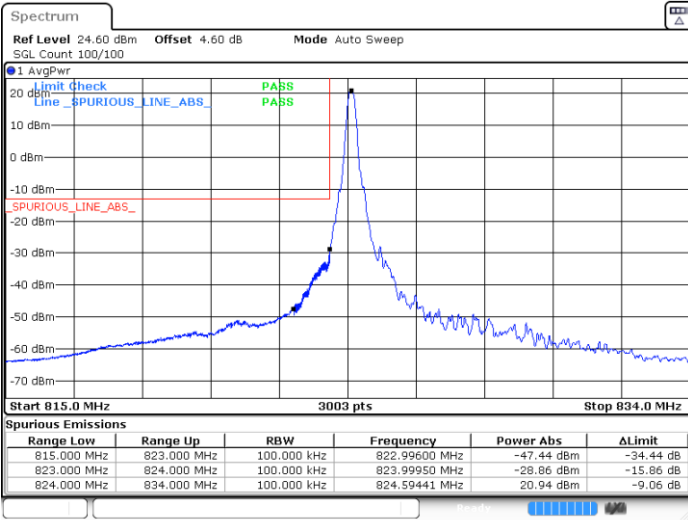
Date: 10. JAN. 2023 23:45:11



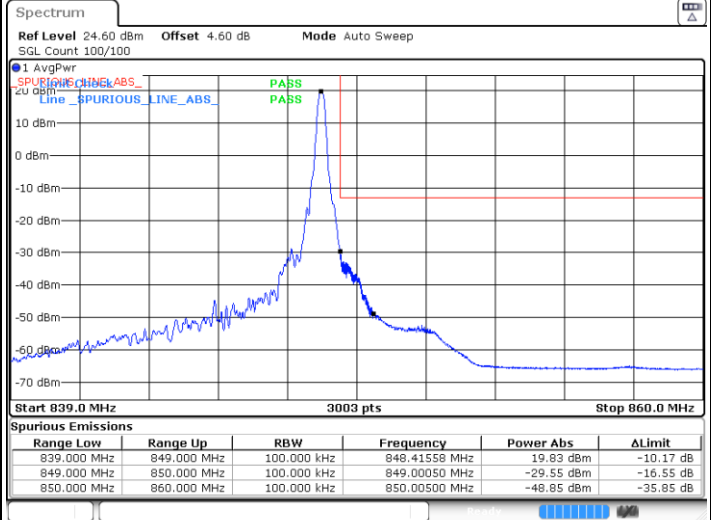
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



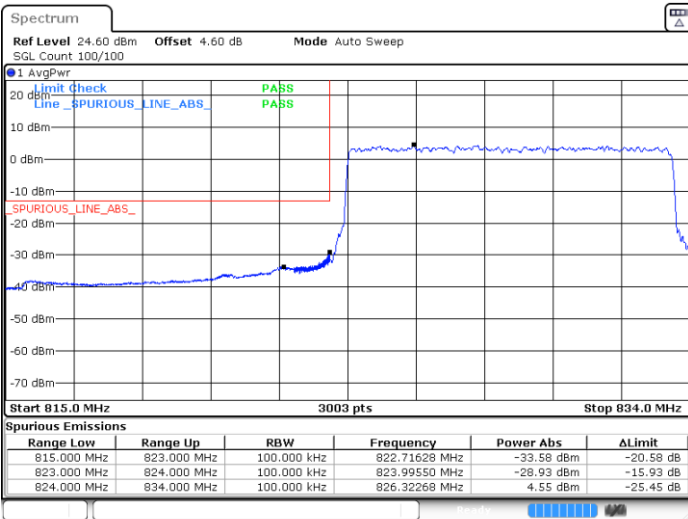
Date: 5 JAN 2023 03:57:40



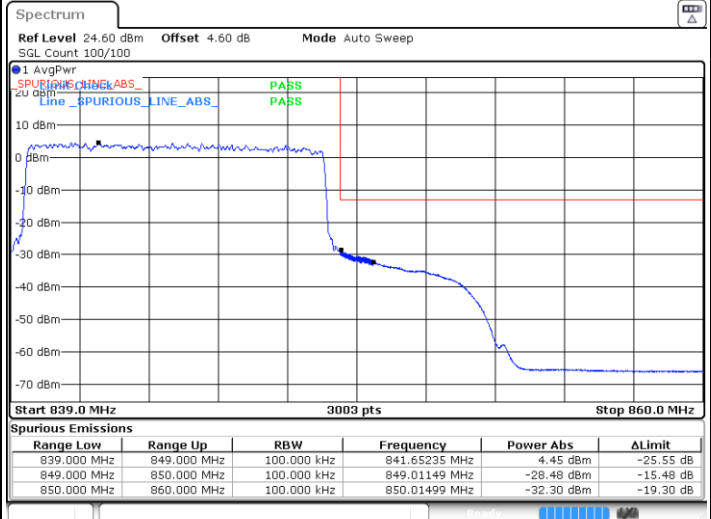
Date: 5 JAN 2023 04:13:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5 JAN 2023 04:01:56

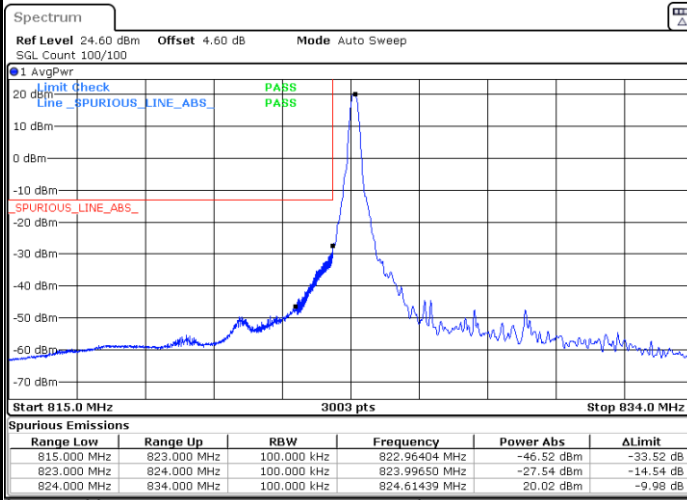


Date: 5 JAN 2023 04:17:42

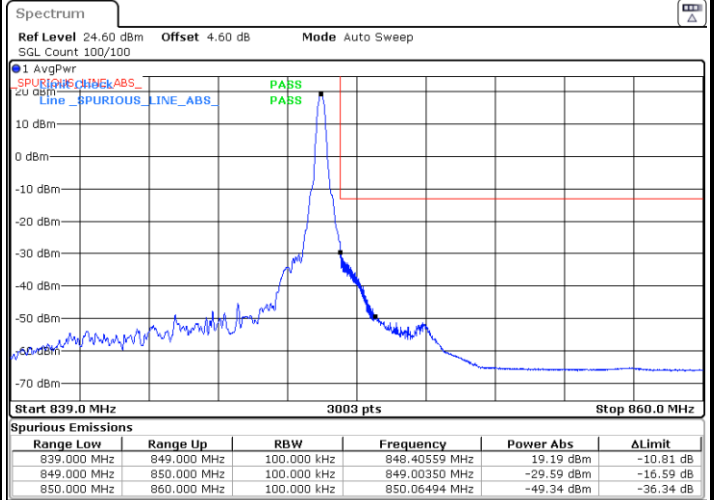


LTE Band 5 / 10MHz / 16QAM

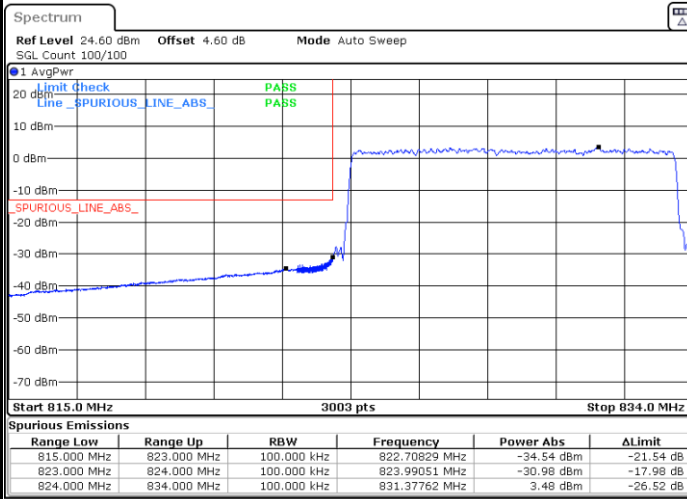
Lowest Band Edge / 1 RB



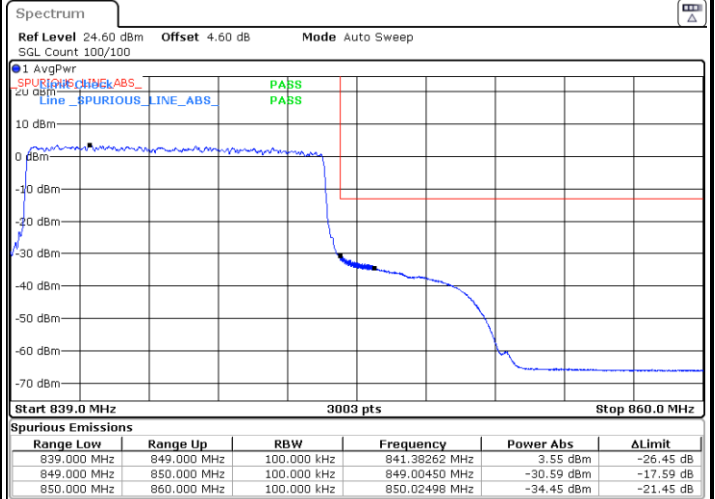
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



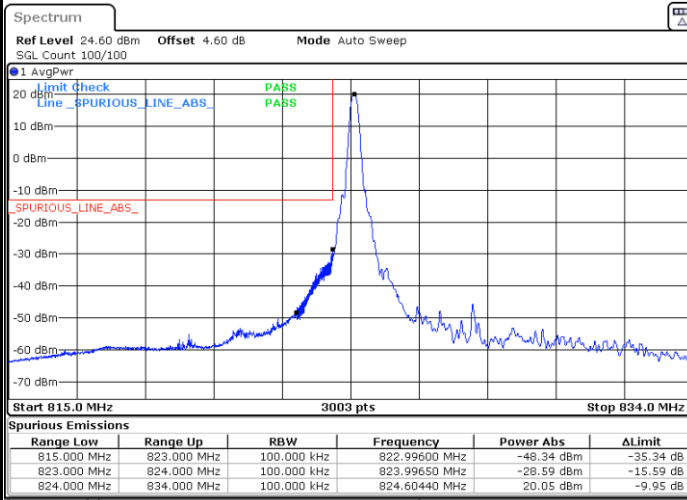
Highest Band Edge / Full RB





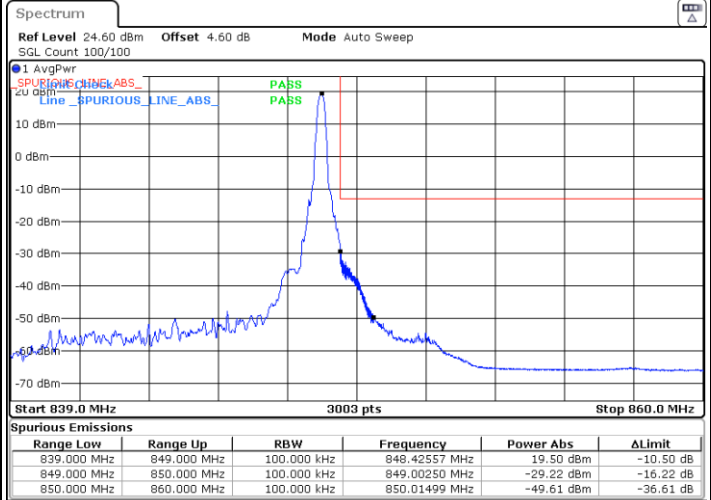
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



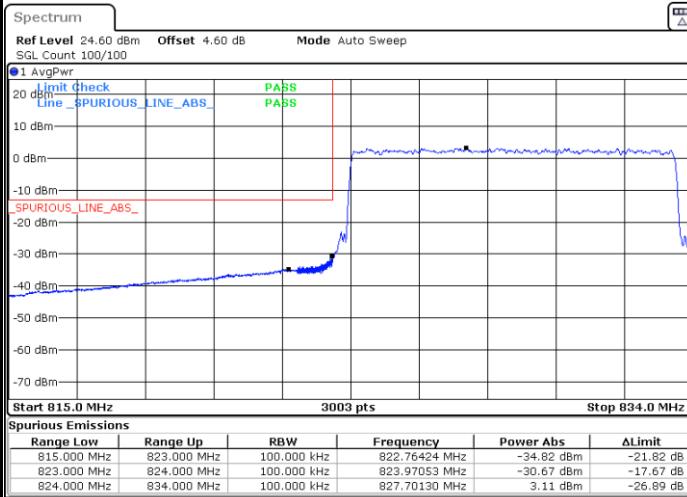
Date: 5 JAN 2023 03:59:27

Highest Band Edge / 1 RB



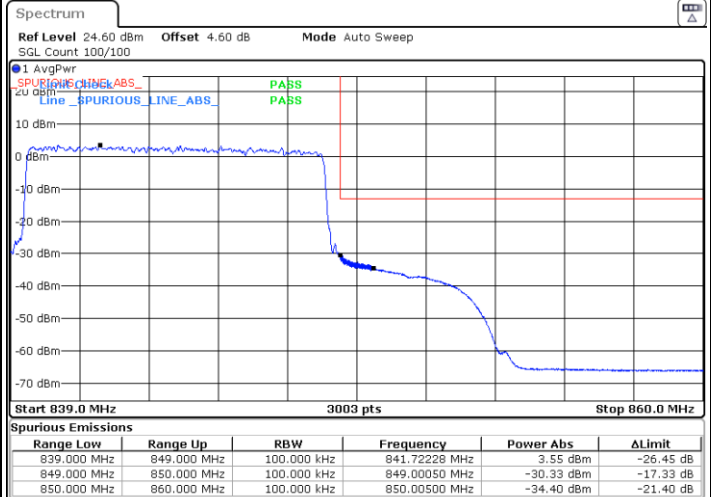
Date: 5 JAN 2023 04:15:00

Lowest Band Edge / Full RB



Date: 5 JAN 2023 04:00:16

Highest Band Edge / Full RB

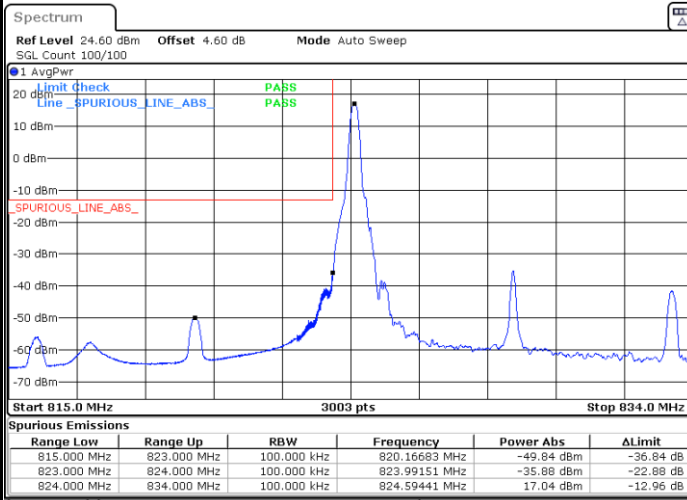


Date: 5 JAN 2023 04:15:59



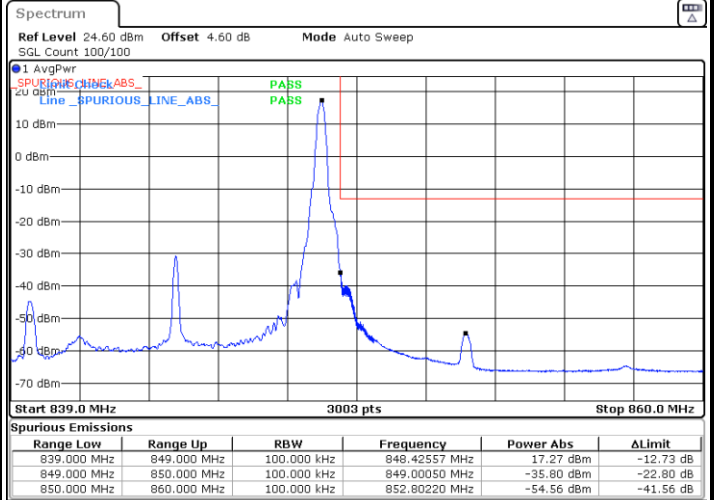
LTE Band 5 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



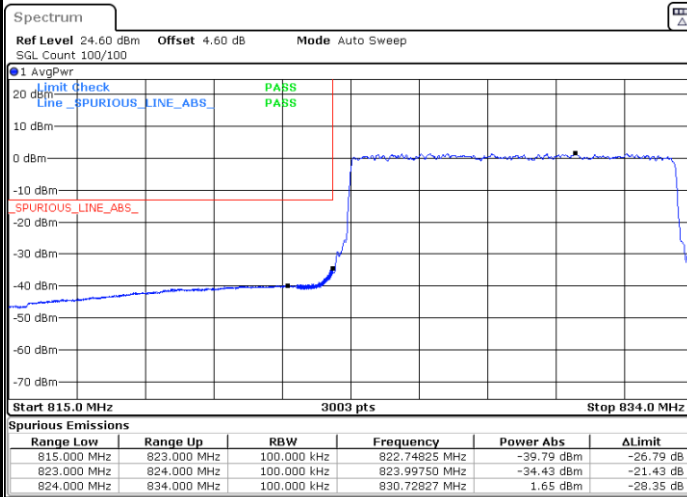
Date: 10. JAN. 2023 23:48:14

Highest Band Edge / 1 RB



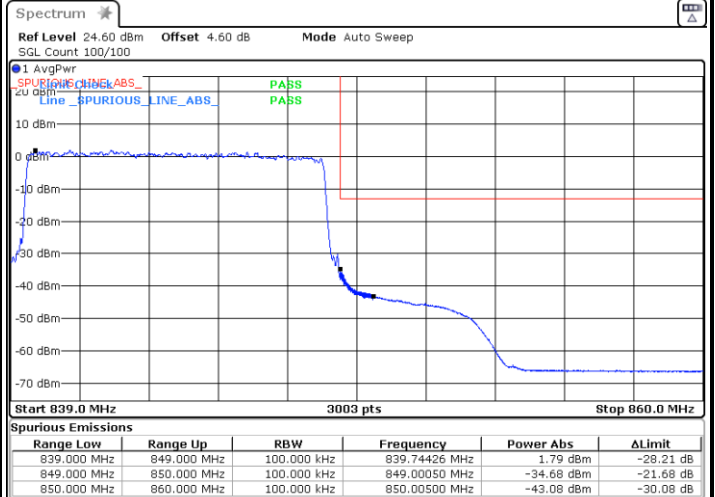
Date: 10. JAN. 2023 23:50:13

Lowest Band Edge / Full RB



Date: 10. JAN. 2023 23:47:27

Highest Band Edge / Full RB



Date: 10. JAN. 2023 23:49:25

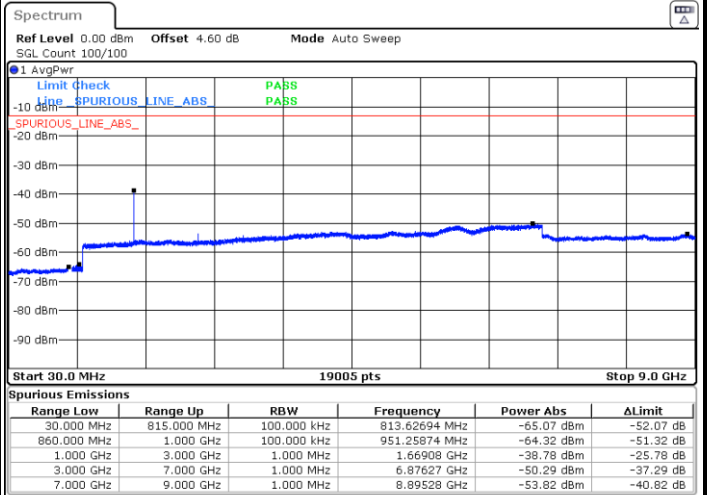
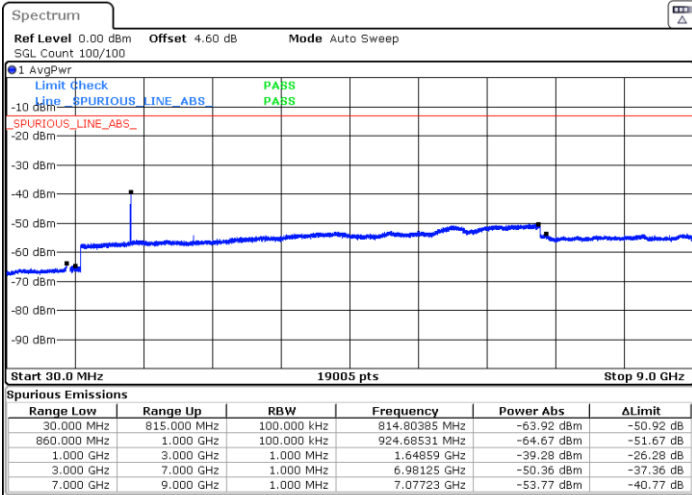


# Conducted Spurious Emission

## LTE Band 5 / 1.4MHz

### Lowest Channel / QPSK

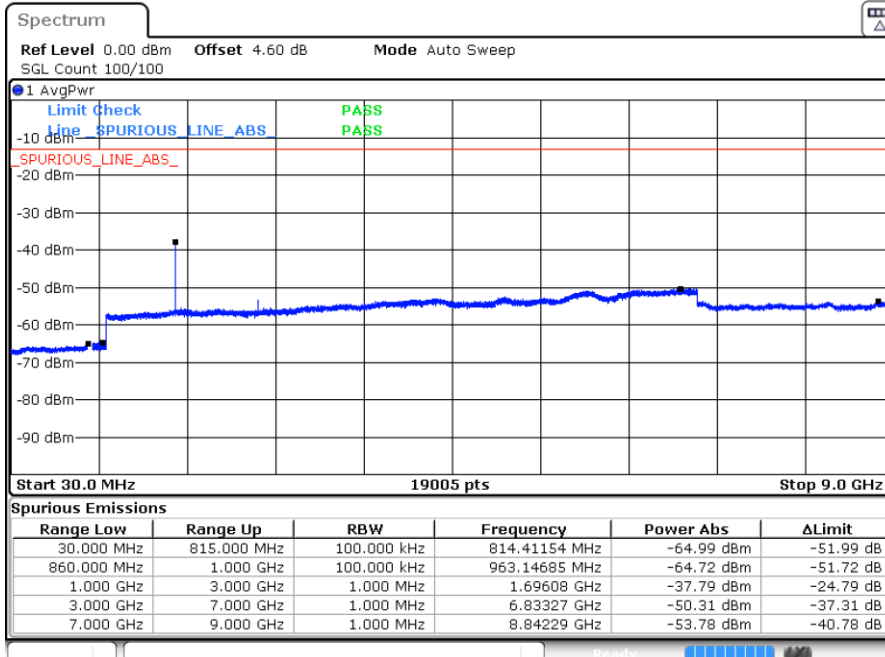
### Middle Channel / QPSK



Date: 5 JAN 2023 02:05:31

Date: 5 JAN 2023 02:53:25

### Highest Channel / QPSK



Date: 5 JAN 2023 03:04:47