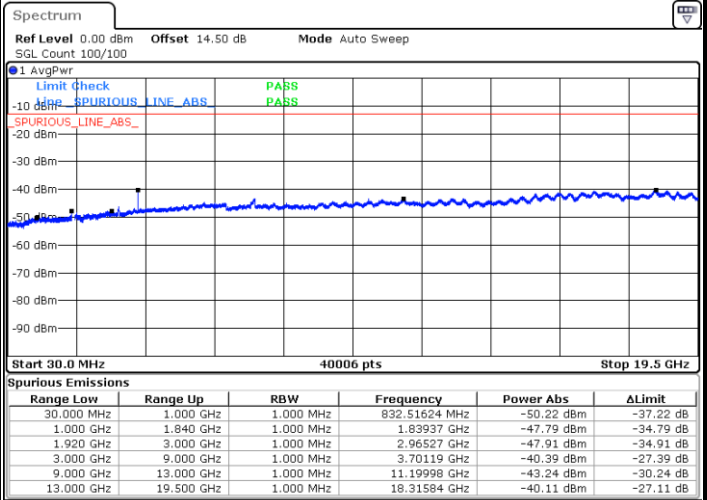
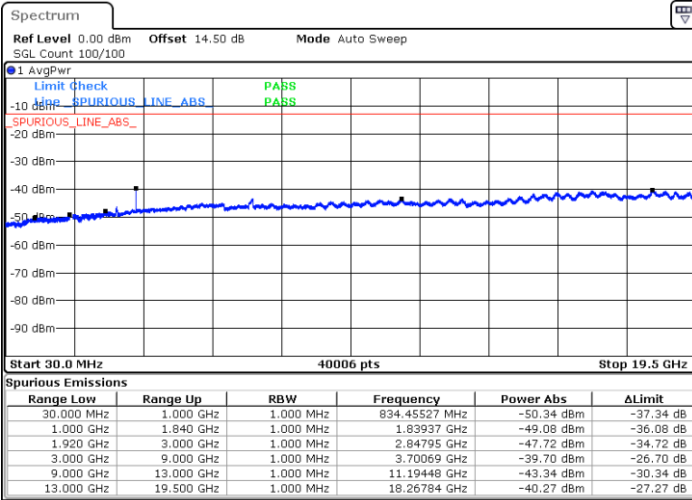




LTE Band 2

Lowest Channel / QPSK\_5MHz

Lowest Channel / QPSK\_10MHz

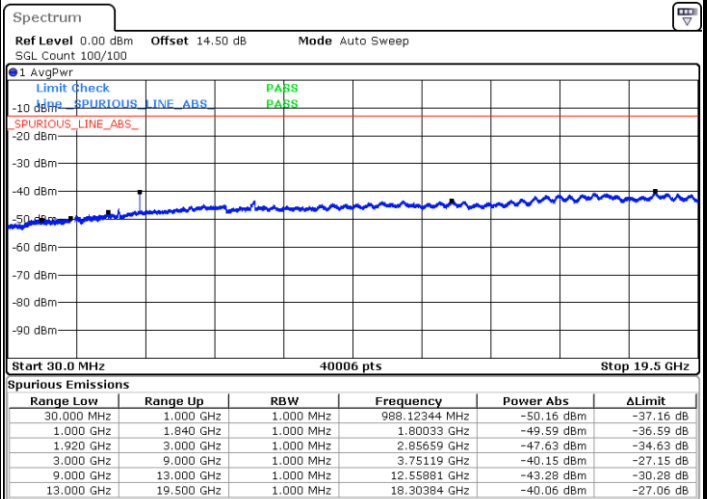
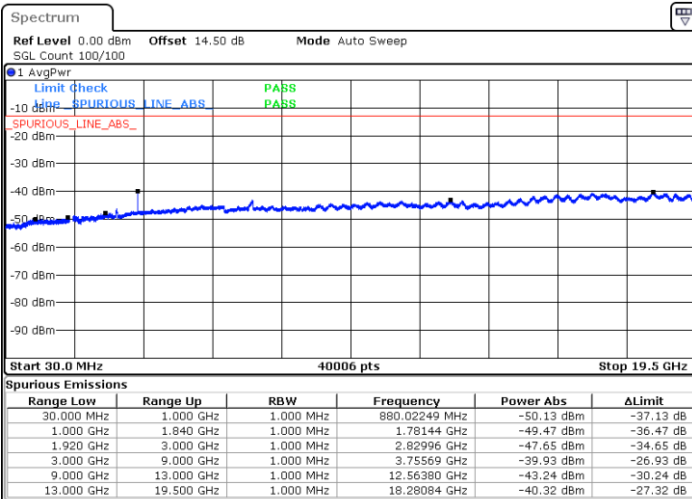


Date: 9 JUN.2023 14:11:34

Date: 9 JUN.2023 14:32:07

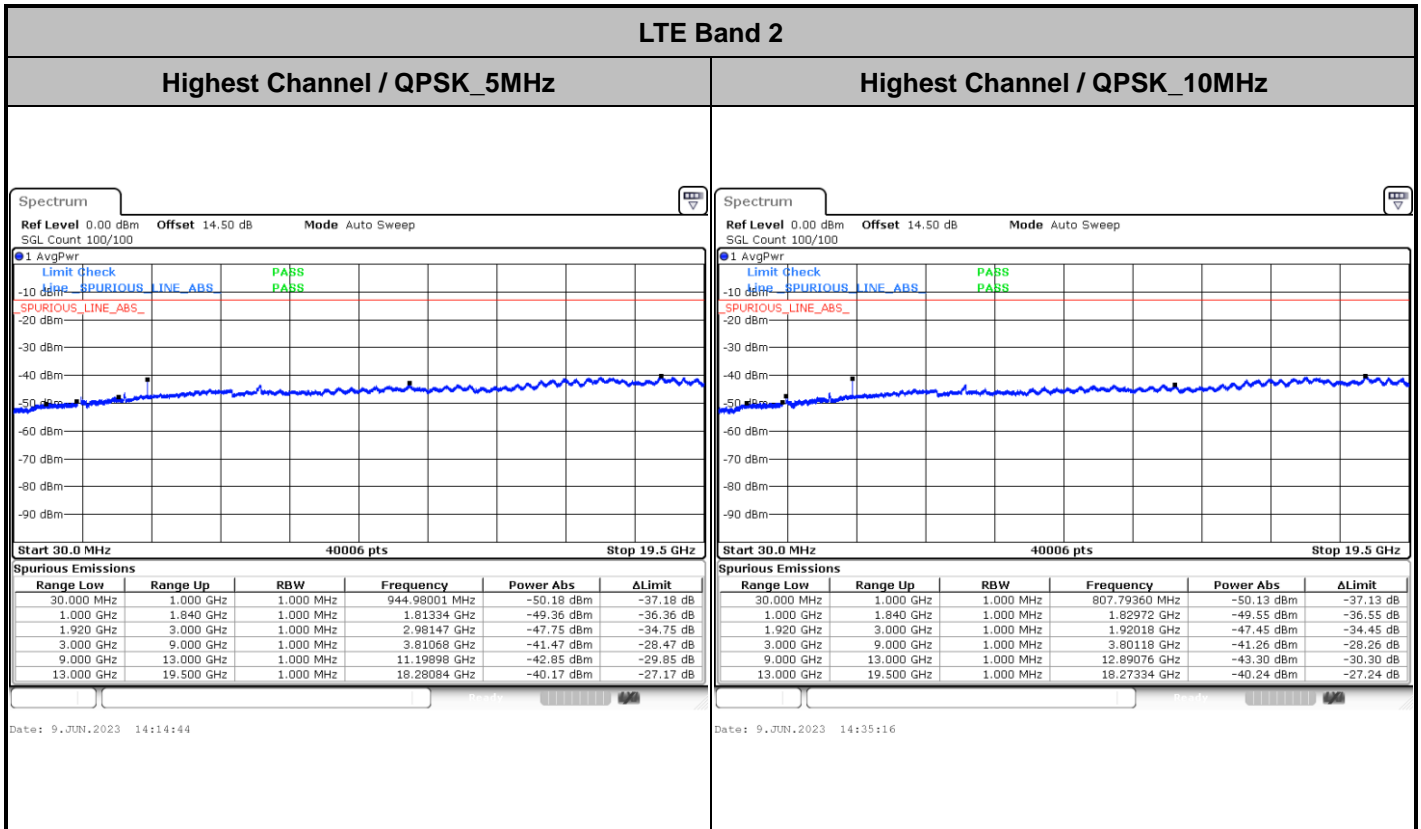
Middle Channel / QPSK\_5MHz

Middle Channel / QPSK\_10MHz



Date: 9 JUN.2023 14:13:09

Date: 9 JUN.2023 14:33:41

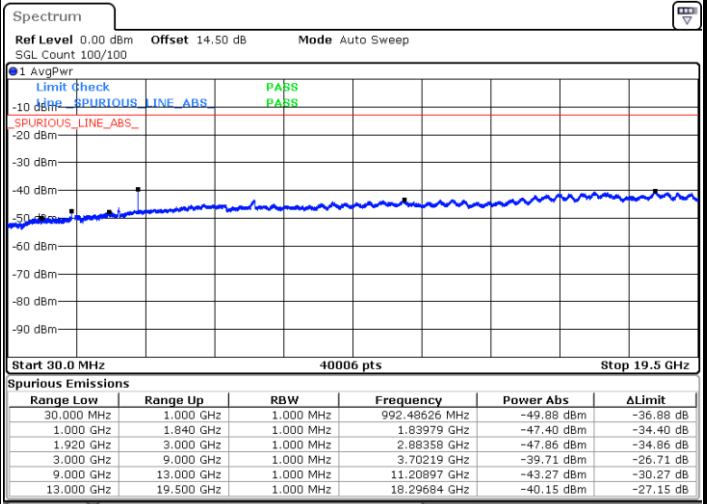
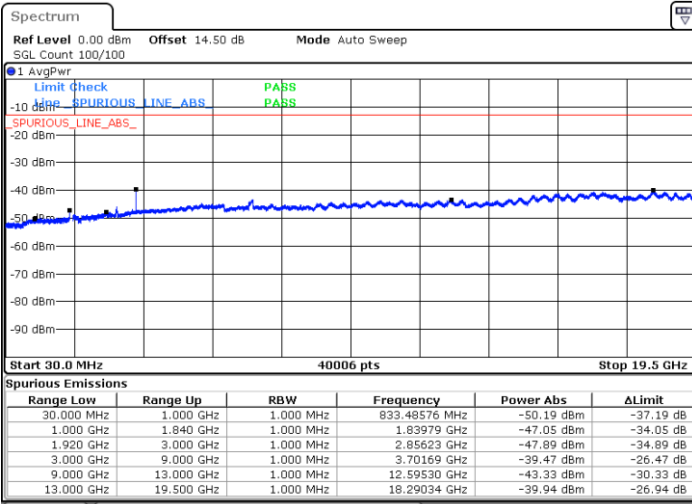




LTE Band 2

Lowest Channel / QPSK\_15MHz

Lowest Channel / QPSK\_20MHz

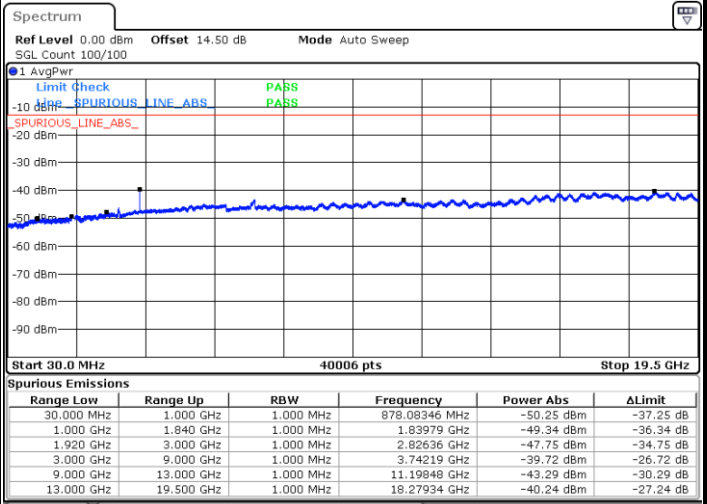
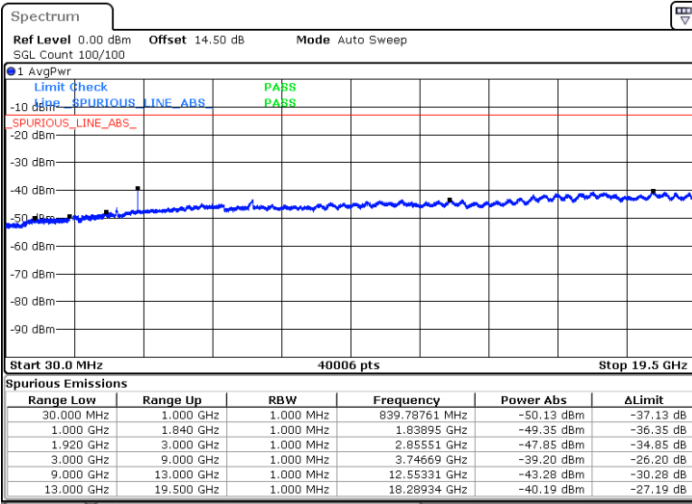


Date: 9 JUN.2023 14:45:03

Date: 9 JUN.2023 14:55:30

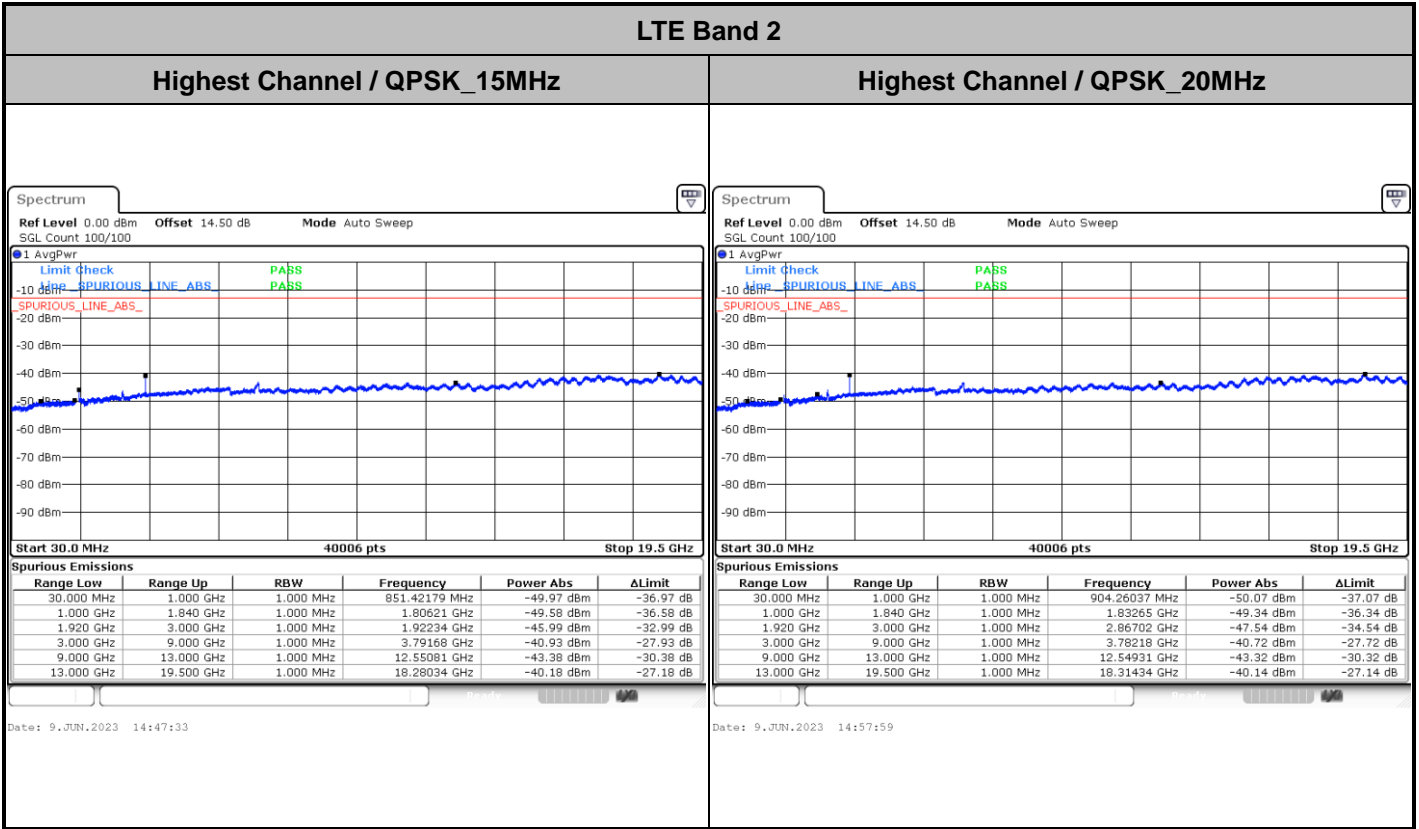
Middle Channel / QPSK\_15MHz

Middle Channel / QPSK\_20MHz



Date: 9 JUN.2023 14:46:18

Date: 9 JUN.2023 14:56:44





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	0.0007	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

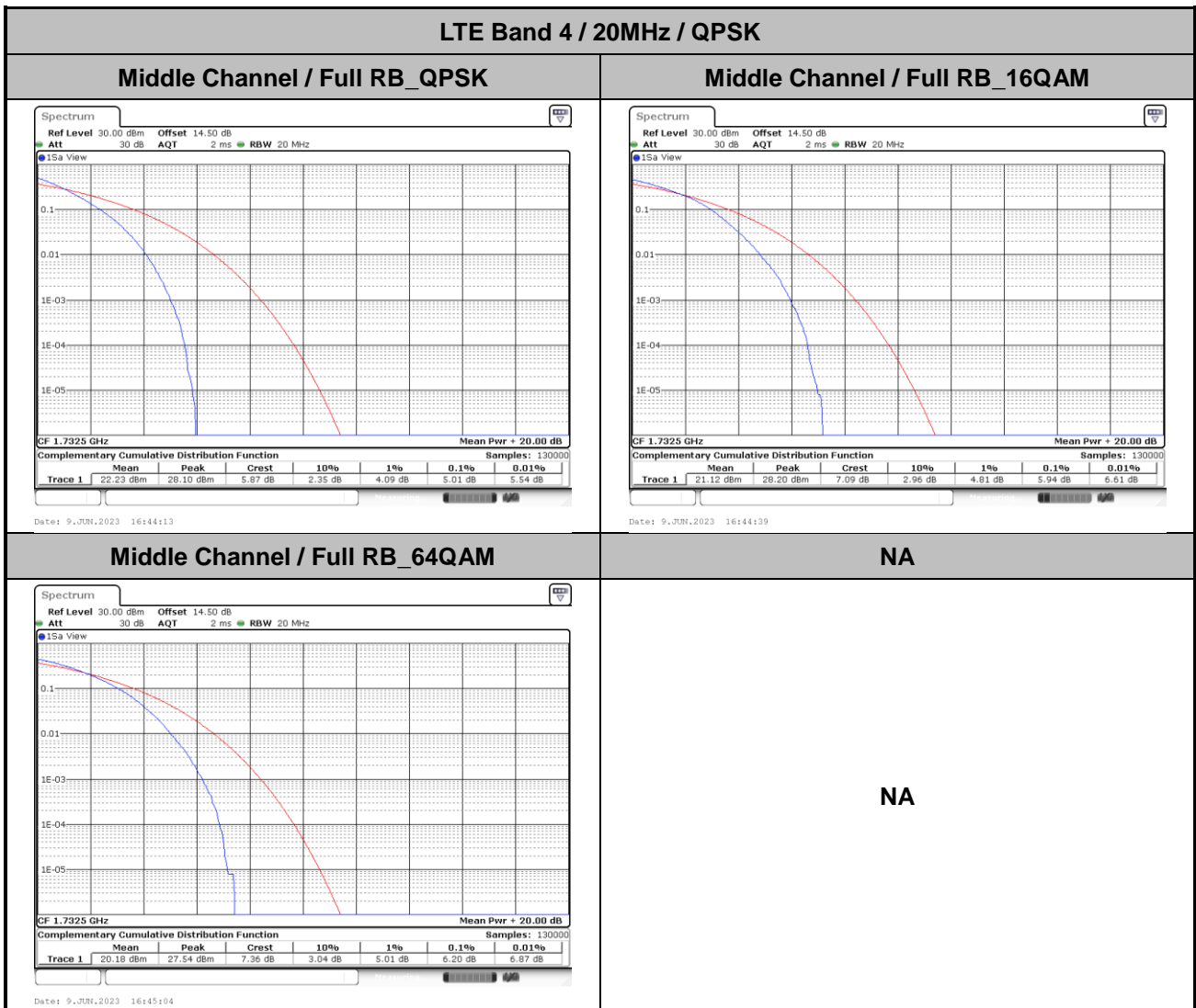
1. Normal Voltage =3.88 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.47 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 4

## Peak-to-Average Ratio

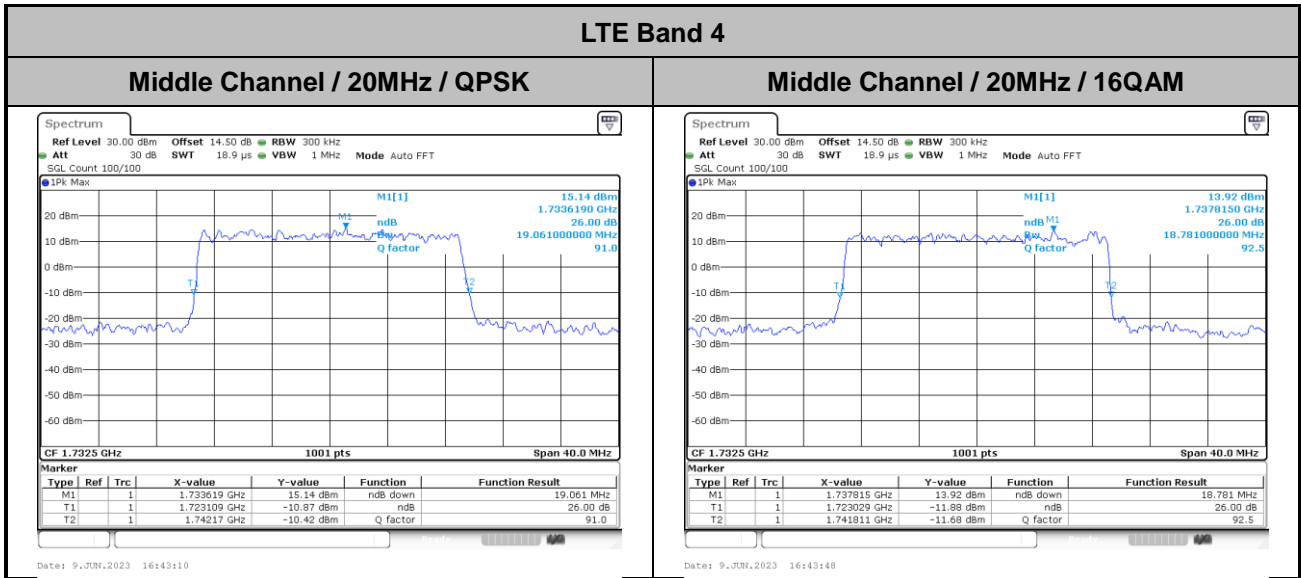
Mode	LTE Band 4 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.01	5.94	6.20	PASS





## 26dB Bandwidth

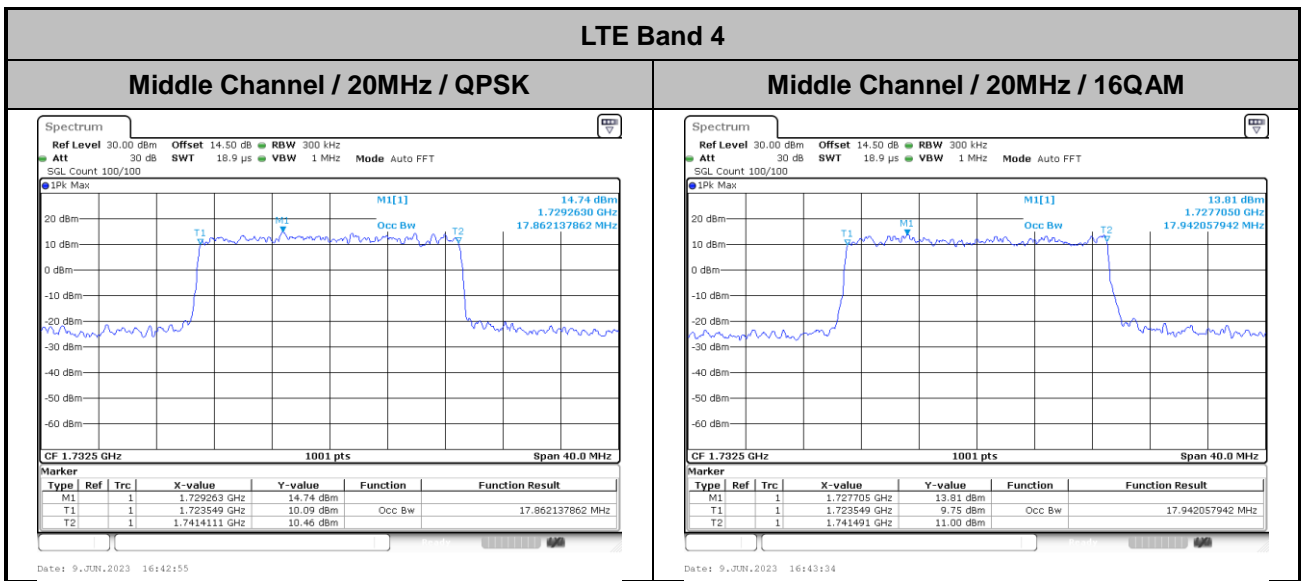
Mode	LTE Band 4 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.06	18.78





# Occupied Bandwidth

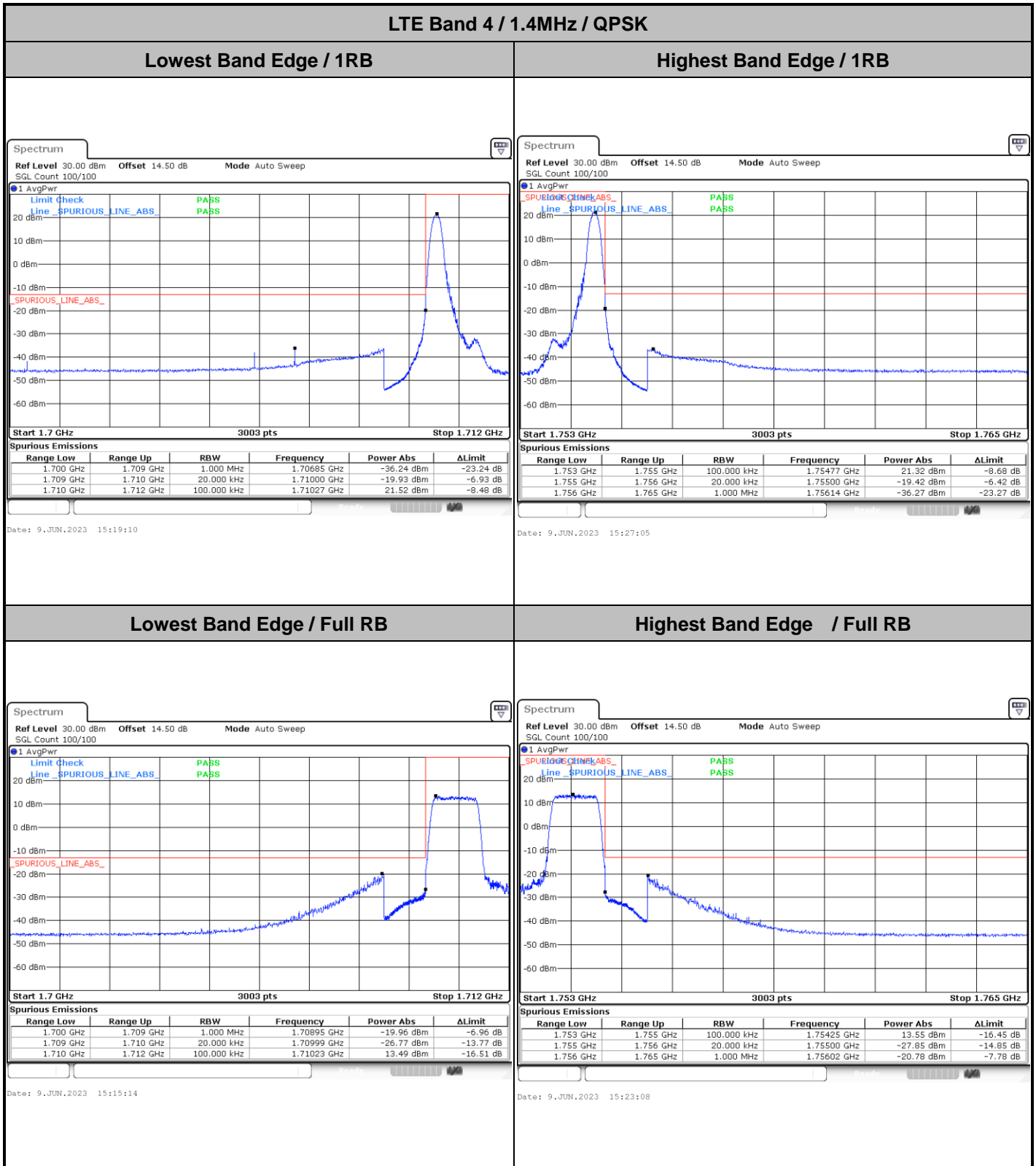
Mode	LTE Band 4 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.86	17.94







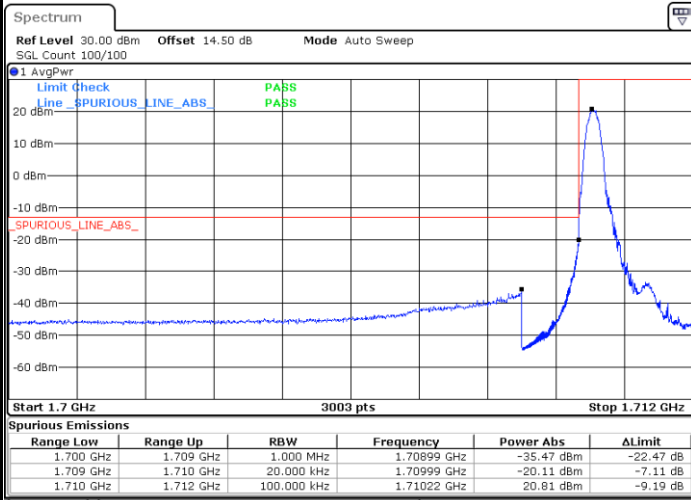
# Conducted Band Edge





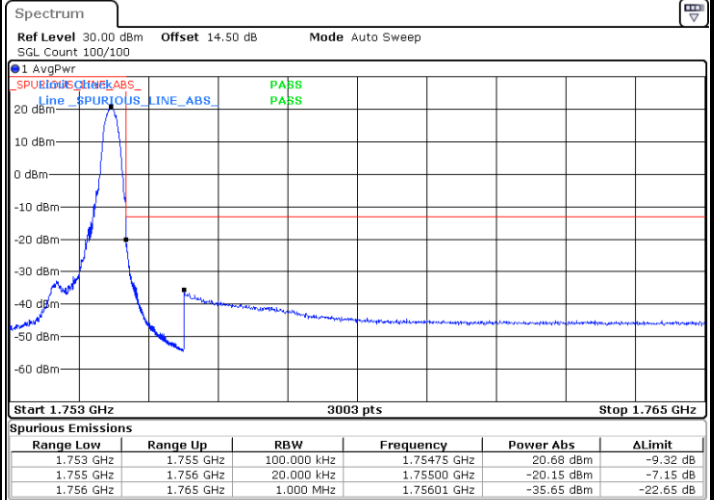
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



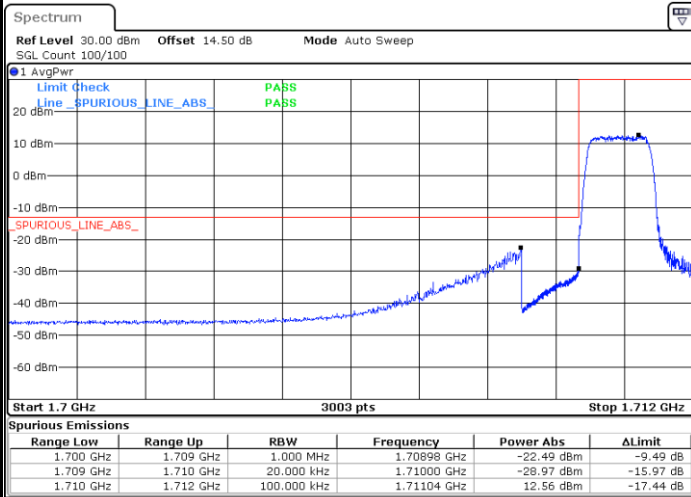
Date: 9 JUN, 2023 15:20:29

Highest Band Edge / 1 RB



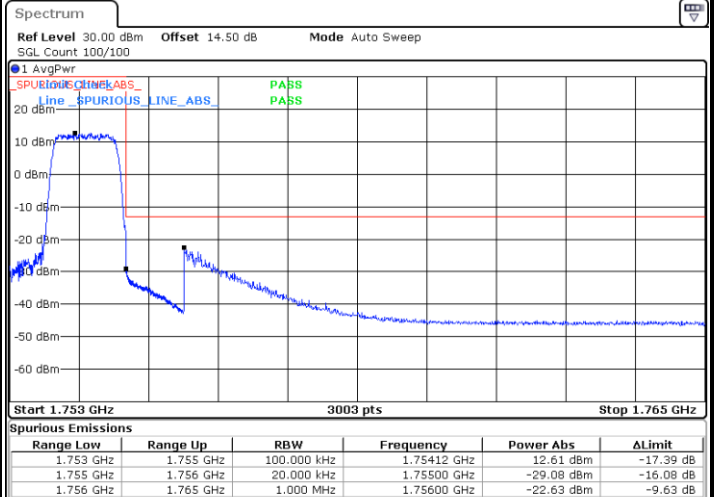
Date: 9 JUN, 2023 15:28:24

Lowest Band Edge / Full RB



Date: 9 JUN, 2023 15:16:33

Highest Band Edge / Full RB

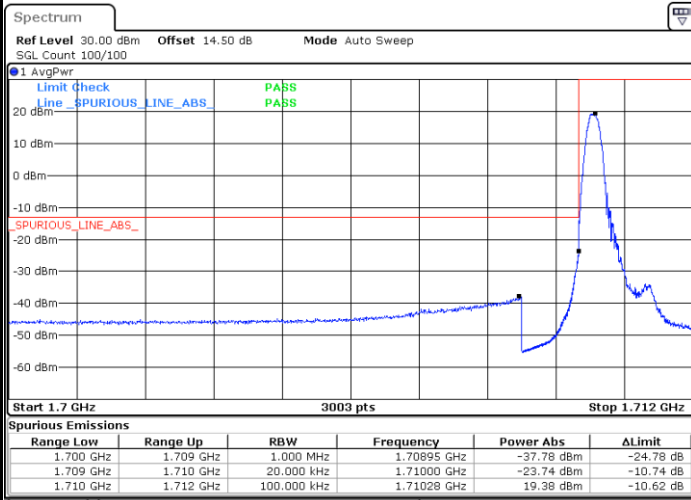


Date: 9 JUN, 2023 15:24:26



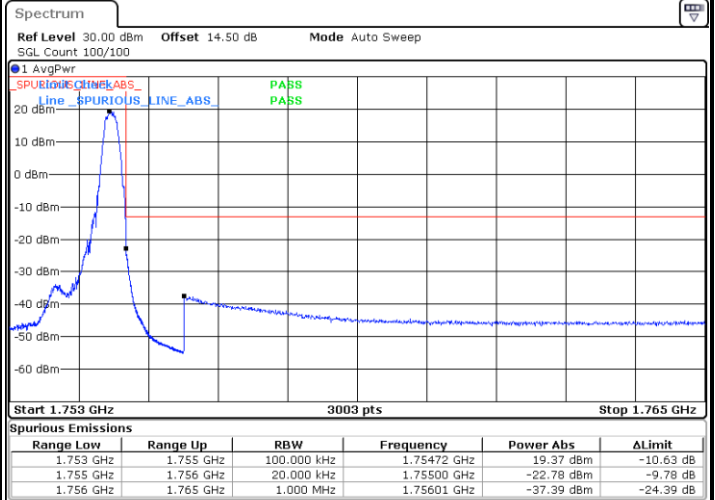
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



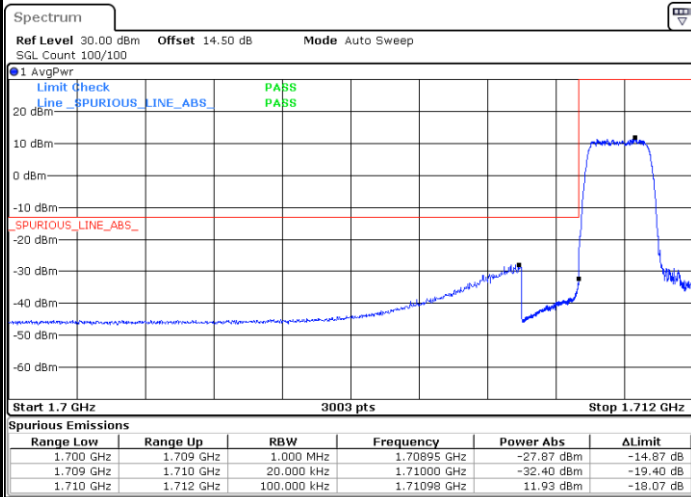
Date: 9 JUN, 2023 15:21:49

Highest Band Edge / 1 RB



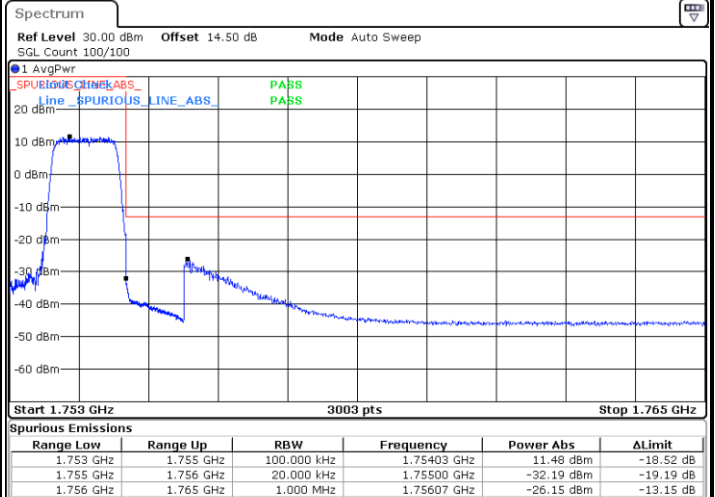
Date: 9 JUN, 2023 15:29:43

Lowest Band Edge / Full RB



Date: 9 JUN, 2023 15:17:52

Highest Band Edge / Full RB

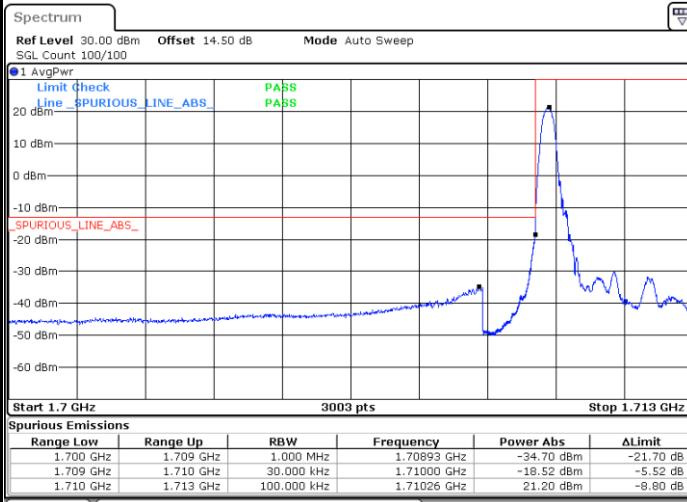


Date: 9 JUN, 2023 15:25:45



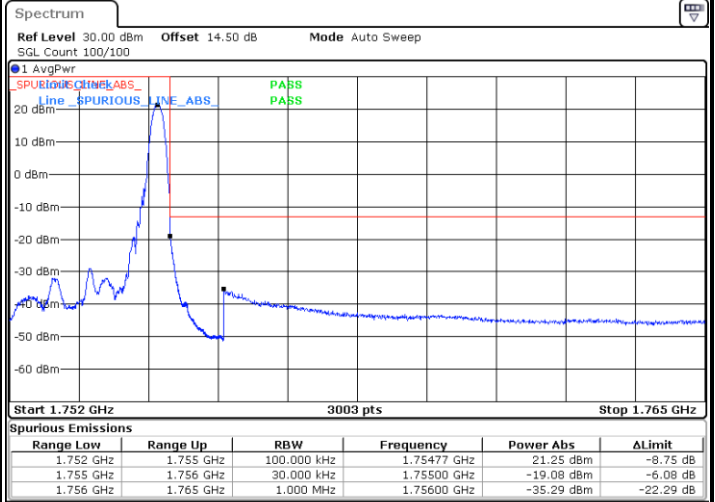
LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



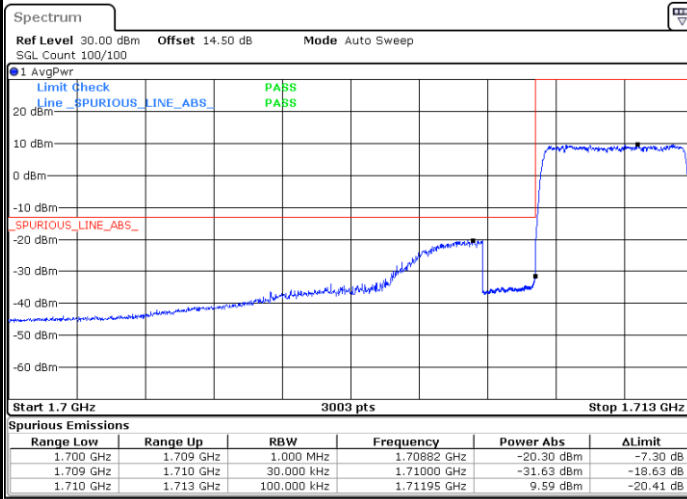
Date: 9 JUN, 2023 15:39:44

Highest Band Edge / 1 RB



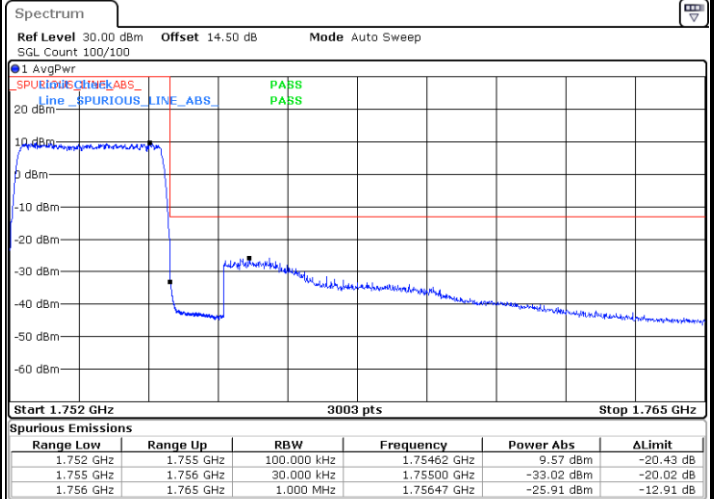
Date: 9 JUN, 2023 15:47:37

Lowest Band Edge / Full RB



Date: 9 JUN, 2023 15:35:47

Highest Band Edge / Full RB

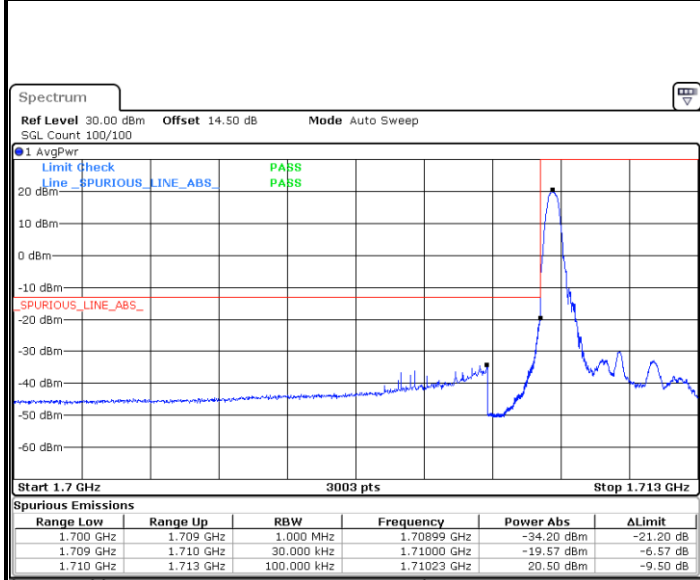


Date: 9 JUN, 2023 15:43:41



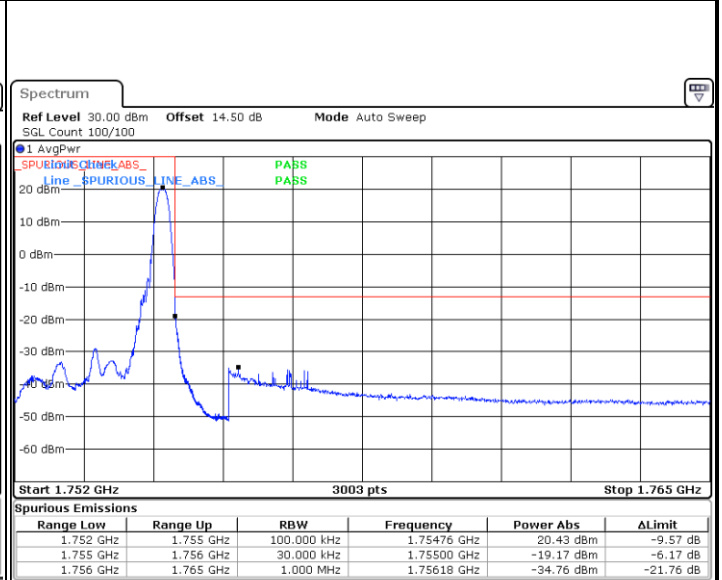
LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



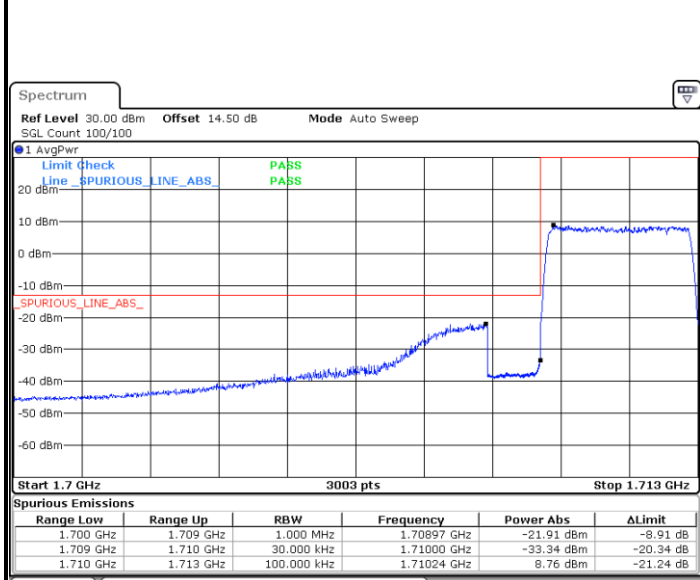
Date: 9 JUN, 2023 15:41:03

Highest Band Edge / 1 RB



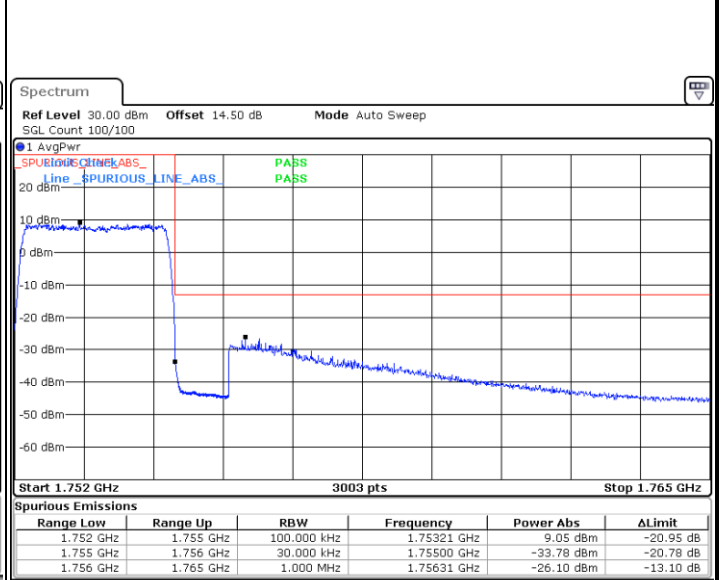
Date: 9 JUN, 2023 15:48:36

Lowest Band Edge / Full RB



Date: 9 JUN, 2023 15:37:06

Highest Band Edge / Full RB

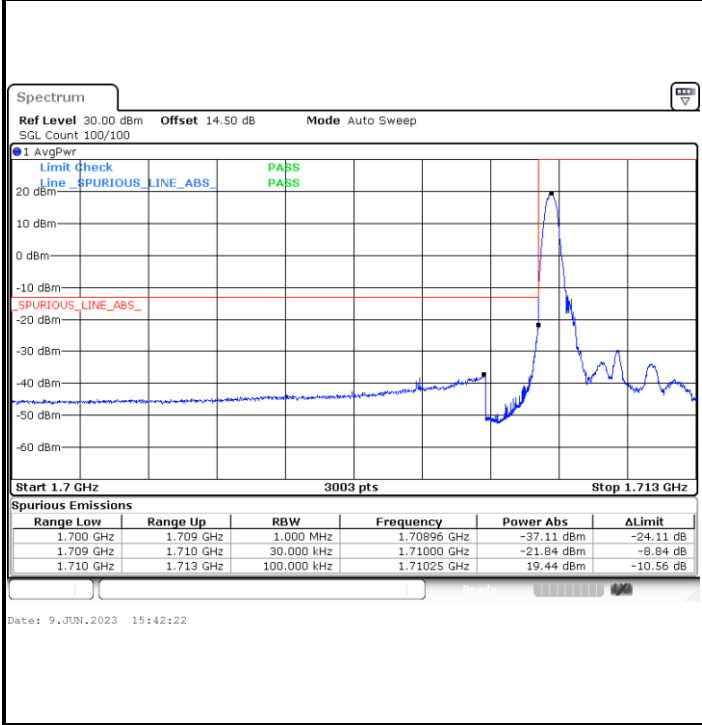


Date: 9 JUN, 2023 15:44:59

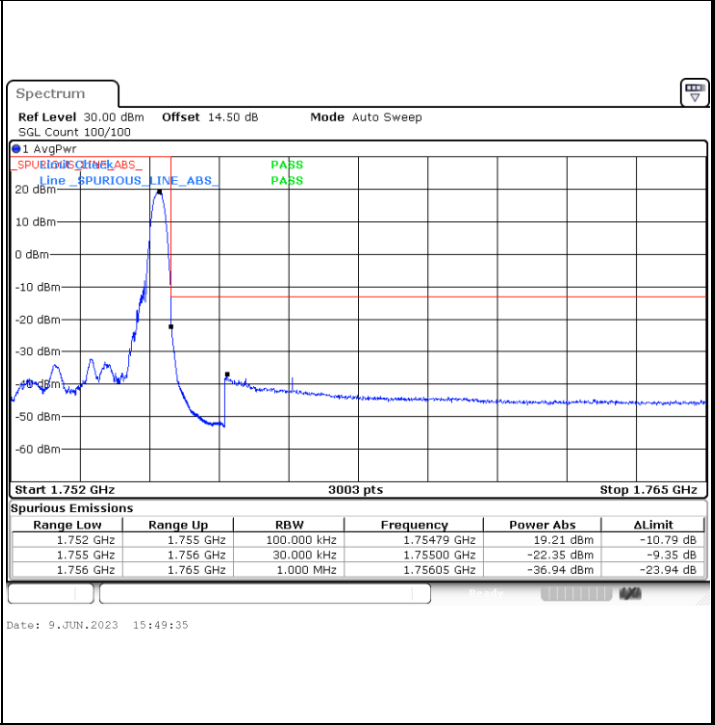


LTE Band 4 / 3MHz / 64QAM

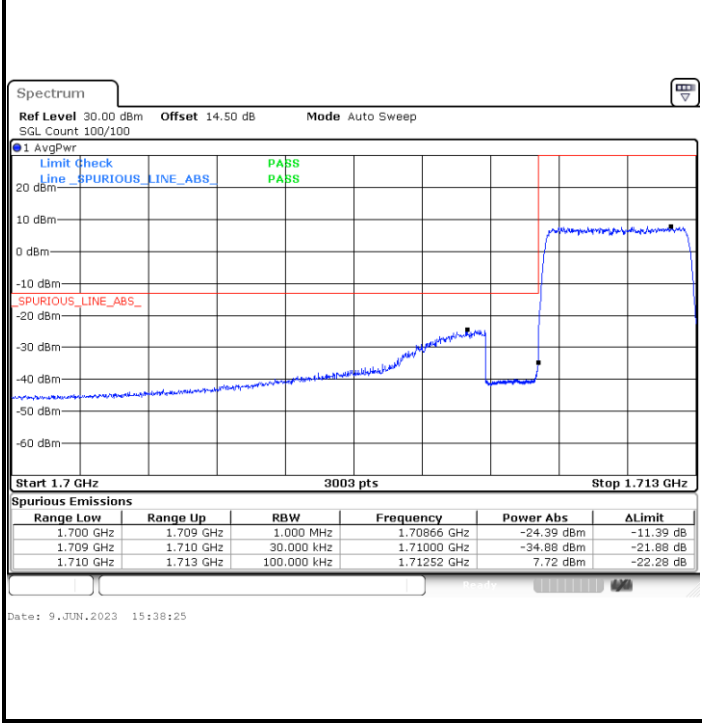
Lowest Band Edge / 1 RB



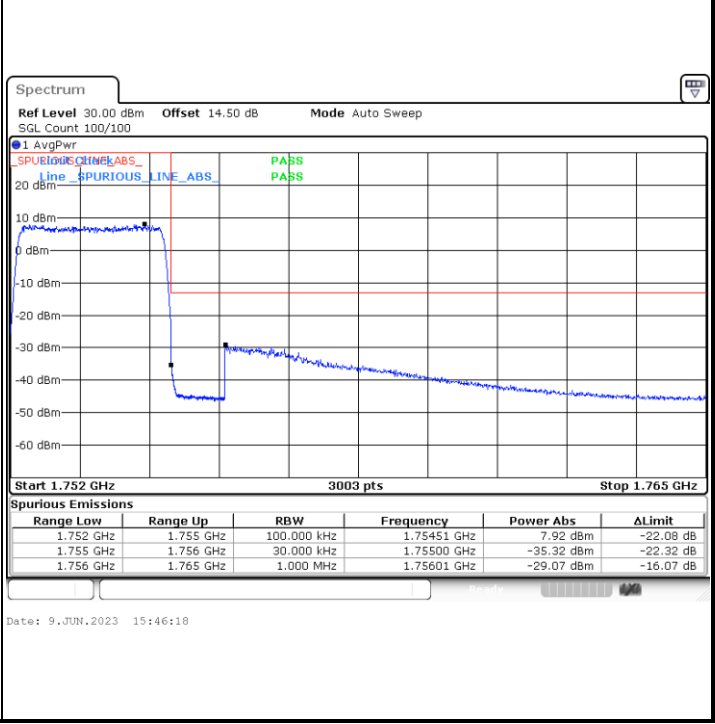
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



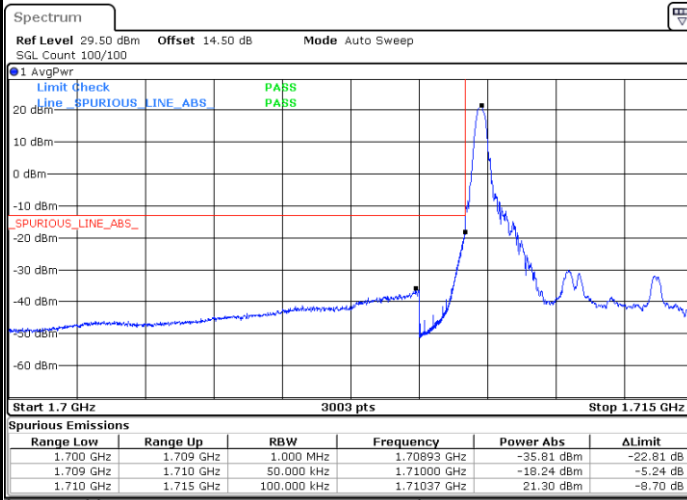
Highest Band Edge / Full RB





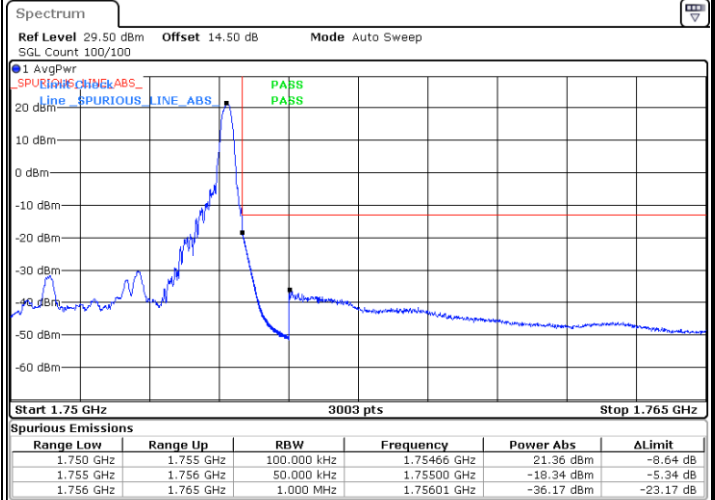
LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB



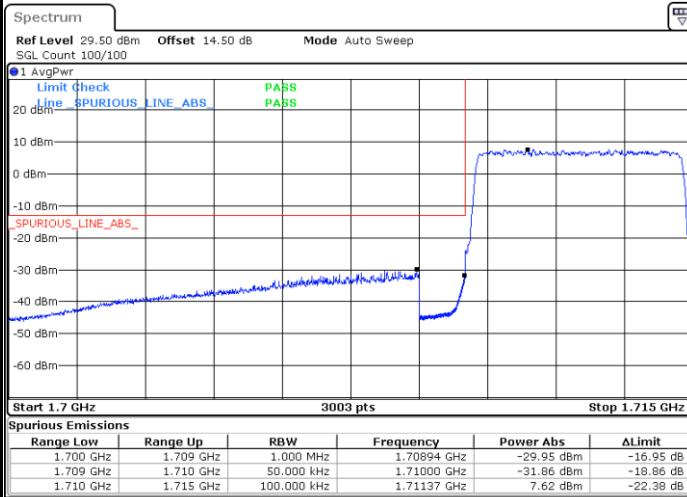
Date: 9 JUN.2023 15:58:15

Highest Band Edge / 1 RB



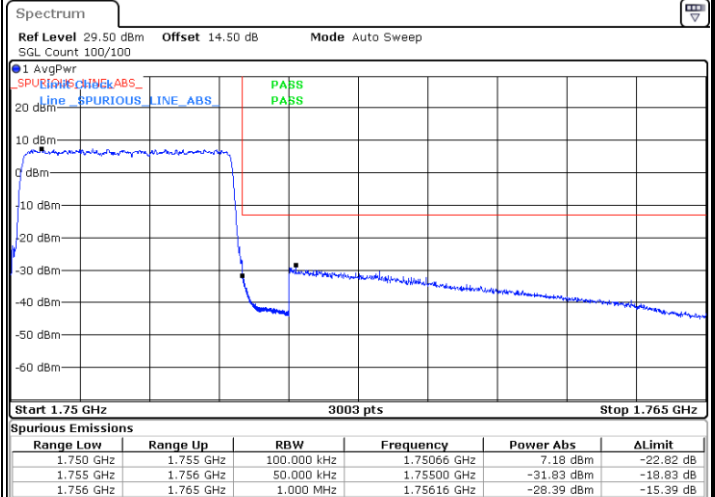
Date: 9 JUN.2023 16:04:08

Lowest Band Edge / Full RB



Date: 9 JUN.2023 15:55:19

Highest Band Edge / Full RB

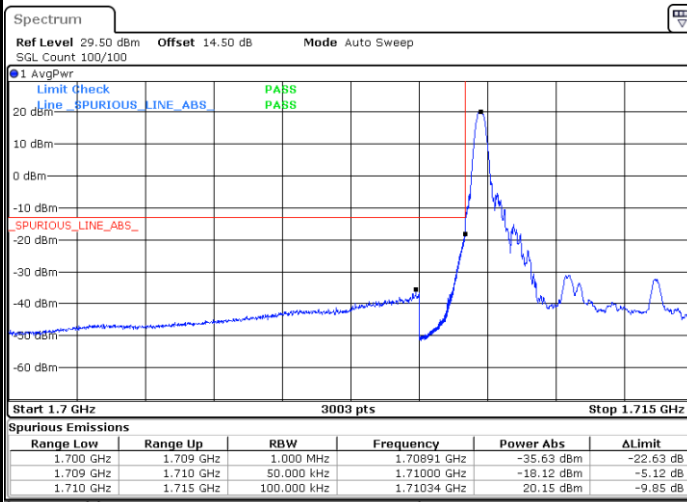


Date: 9 JUN.2023 16:01:11



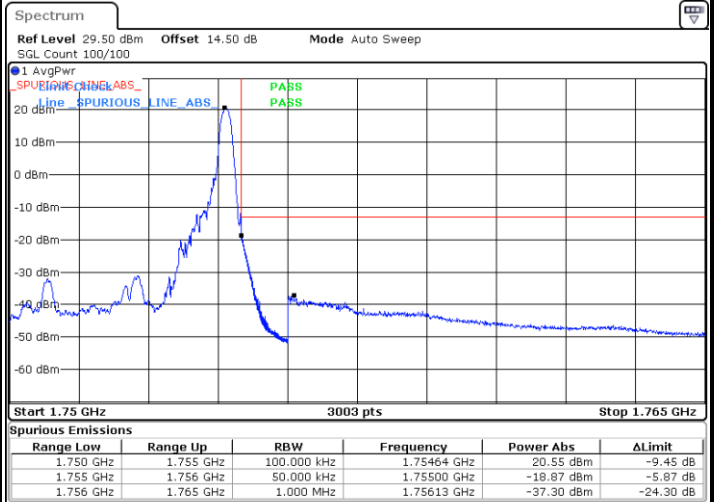
LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



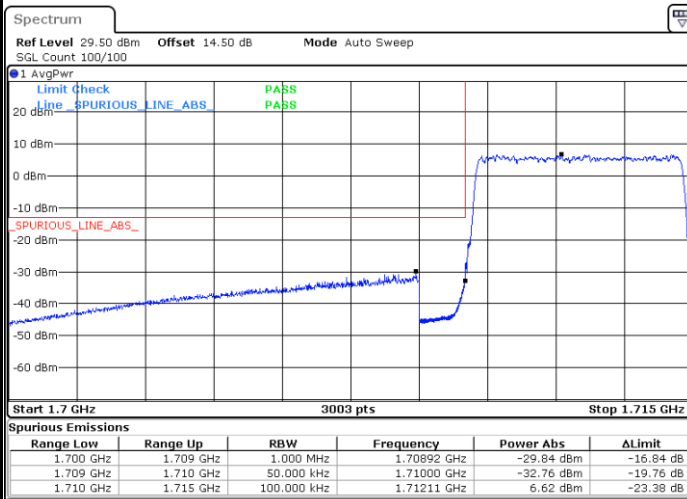
Date: 9 JUN, 2023 15:59:14

Highest Band Edge / 1 RB



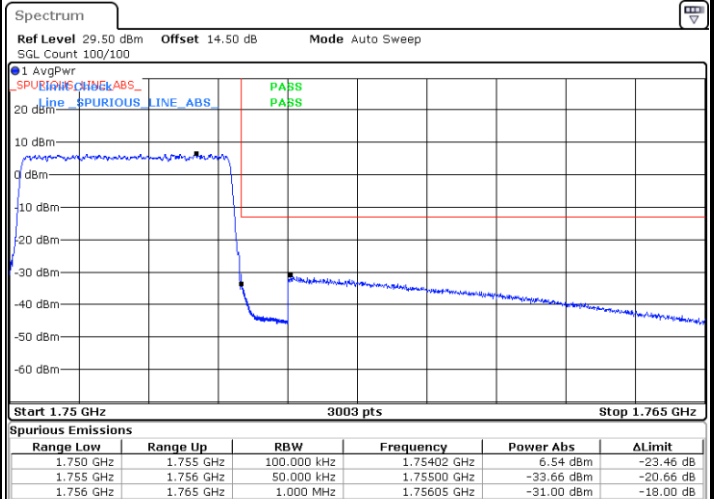
Date: 9 JUN, 2023 16:05:07

Lowest Band Edge / Full RB



Date: 9 JUN, 2023 15:56:18

Highest Band Edge / Full RB



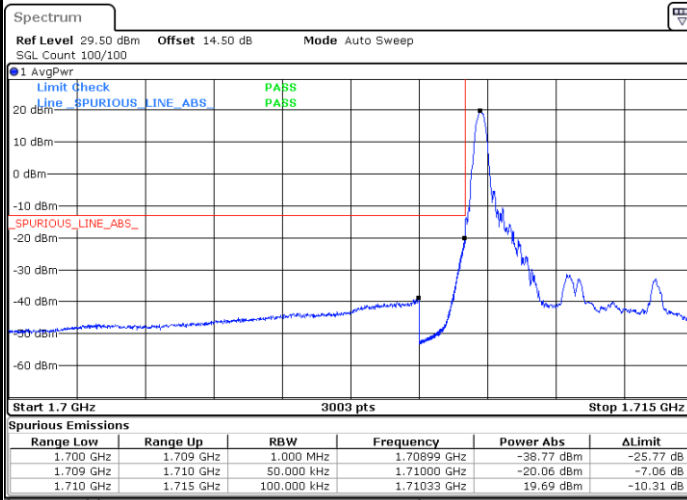
Date: 9 JUN, 2023 16:02:10





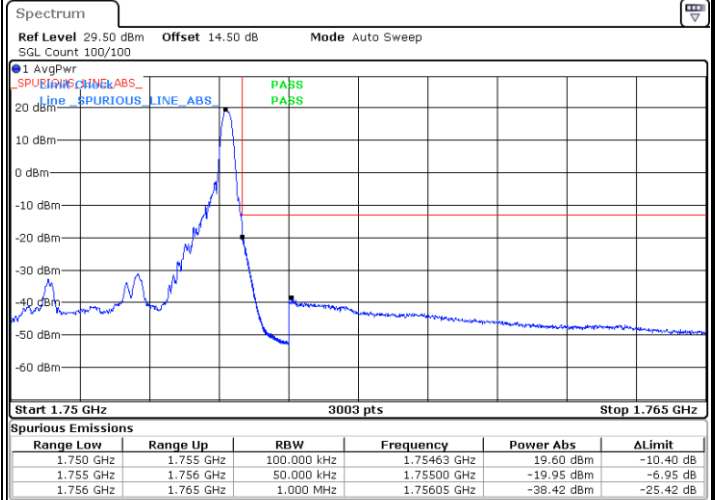
LTE Band 4 / 5MHz / 64QAM

Lowest Band Edge / 1RB



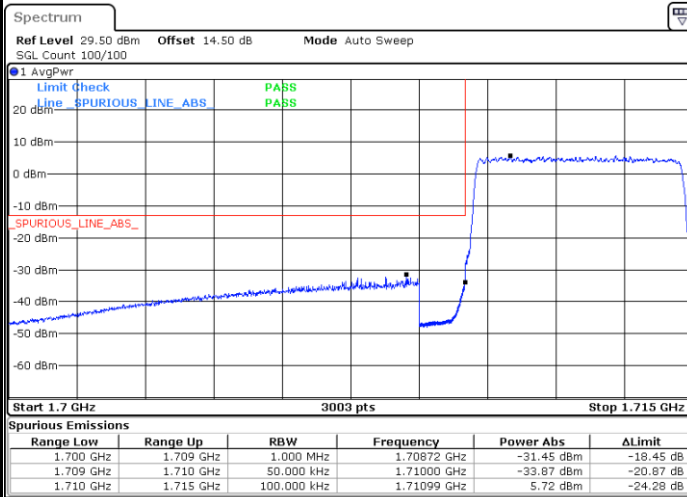
Date: 9 JUN.2023 16:00:12

Highest Band Edge / 1 RB



Date: 9 JUN.2023 16:06:06

Lowest Band Edge / Full RB



Date: 9 JUN.2023 15:57:16

Highest Band Edge / Full RB

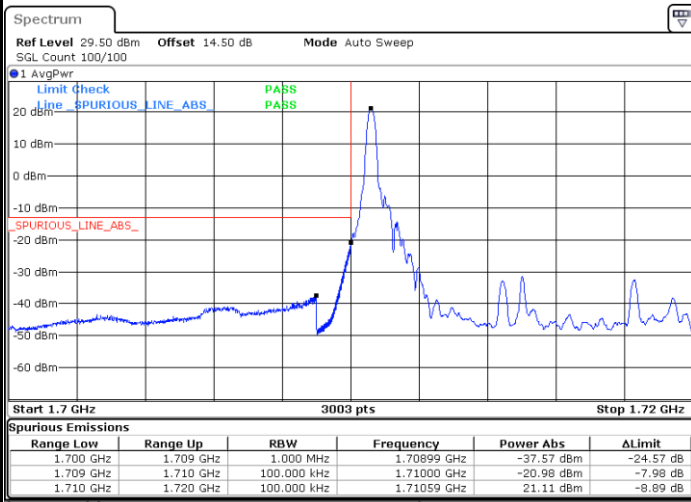


Date: 9 JUN.2023 16:03:09



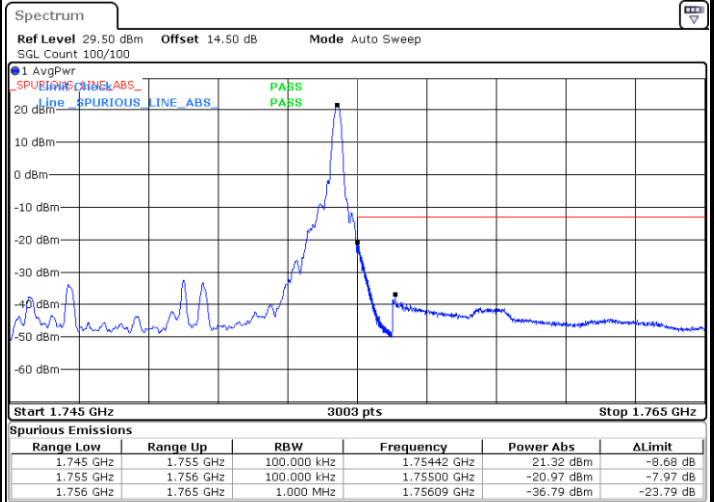
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB



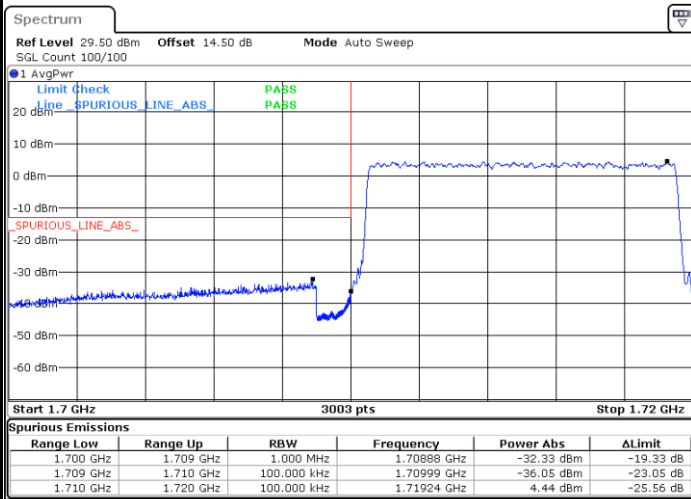
Date: 9 JUN, 2023 16:13:29

Highest Band Edge / 1 RB



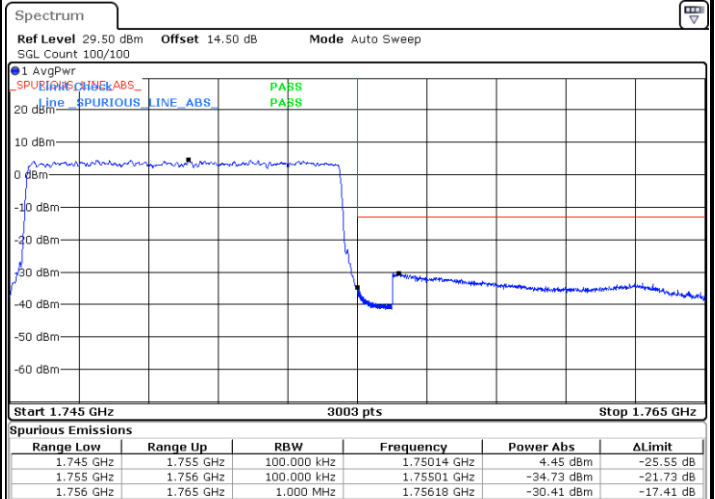
Date: 9 JUN, 2023 16:16:49

Lowest Band Edge / Full RB



Date: 9 JUN, 2023 16:11:49

Highest Band Edge / Full RB

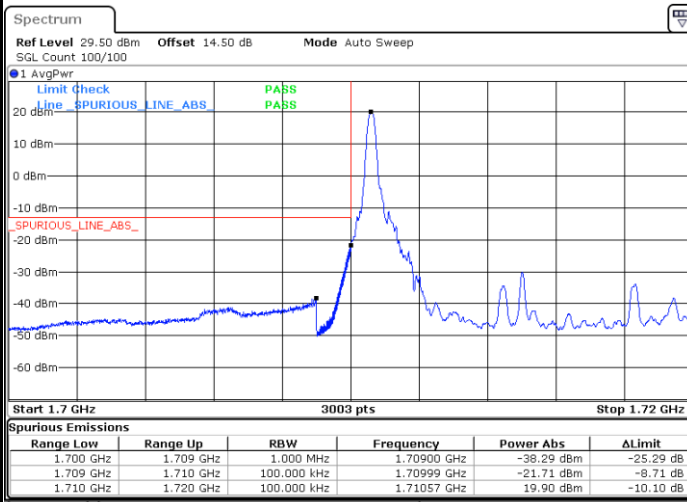


Date: 9 JUN, 2023 16:15:08



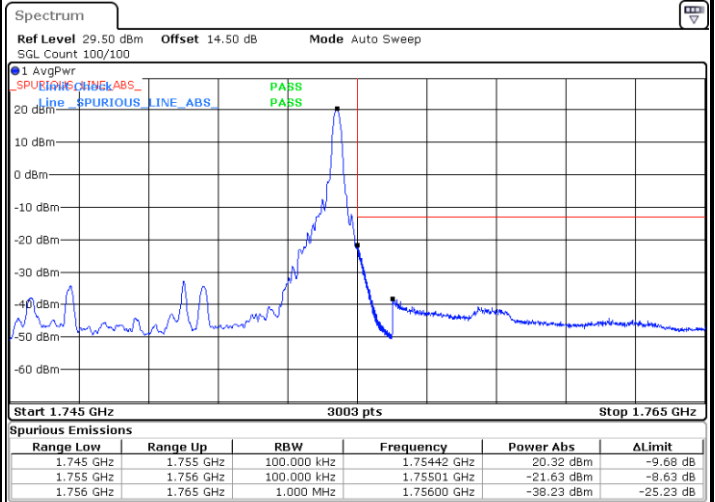
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



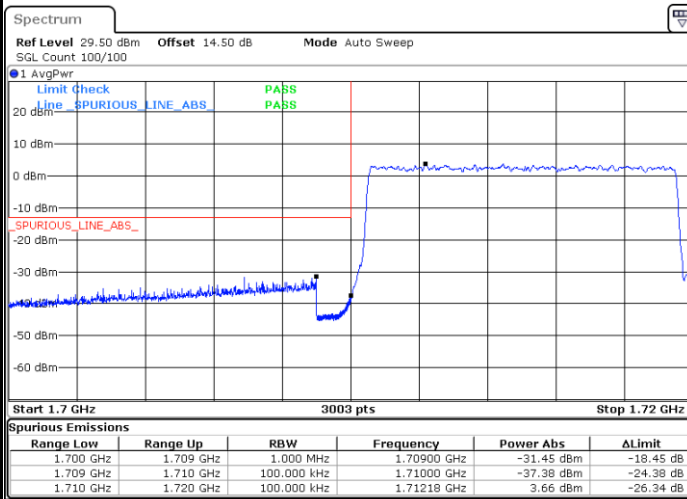
Date: 9 JUN.2023 16:14:02

Highest Band Edge / 1 RB



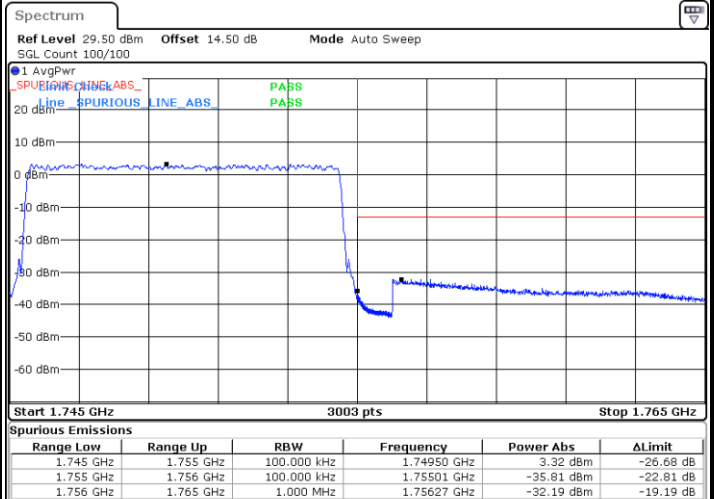
Date: 9 JUN.2023 16:17:22

Lowest Band Edge / Full RB

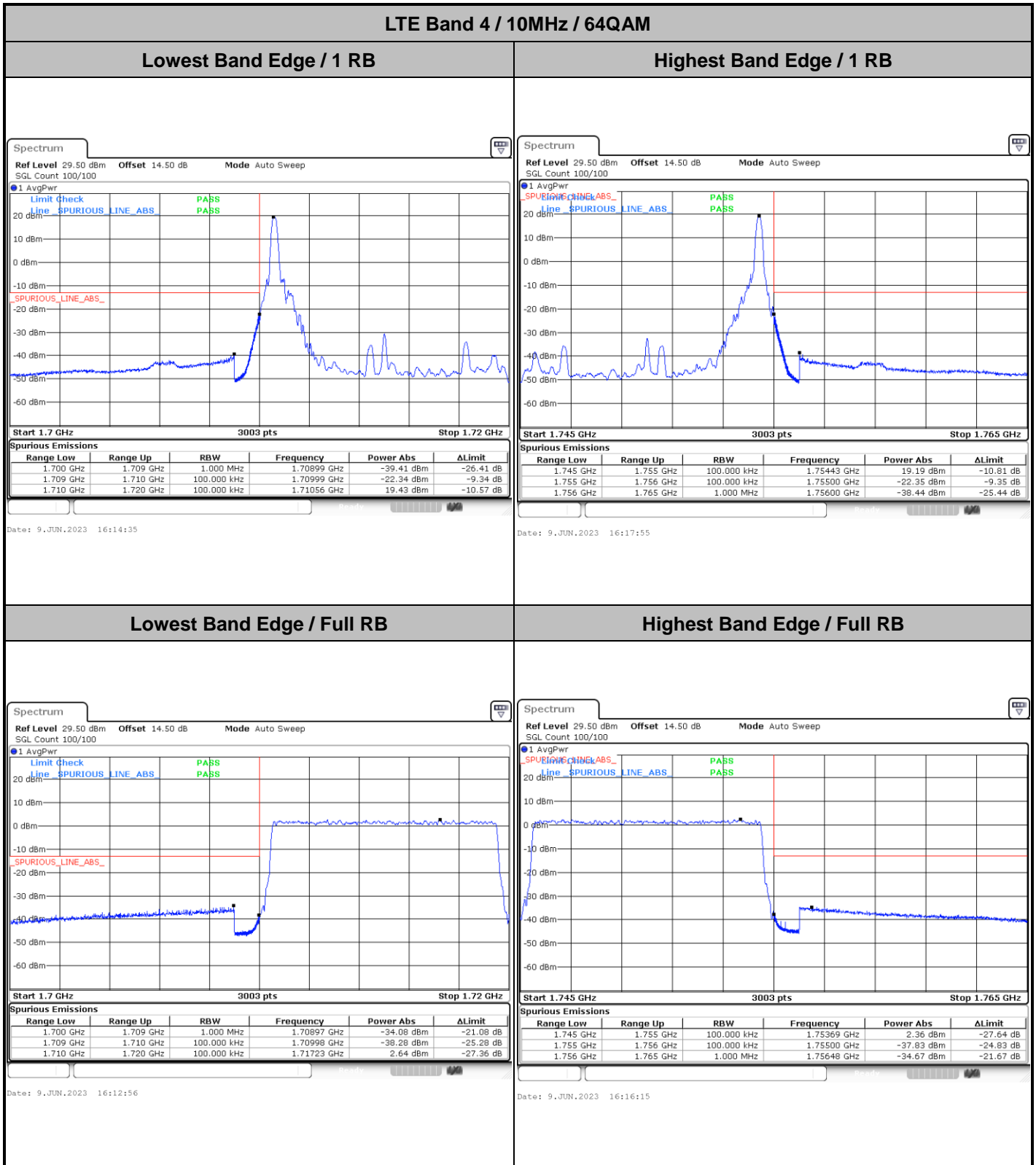


Date: 9 JUN.2023 16:12:23

Highest Band Edge / Full RB



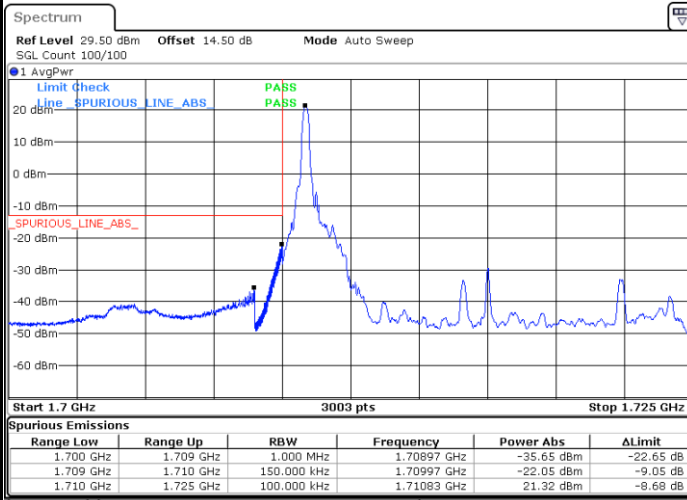
Date: 9 JUN.2023 16:15:42





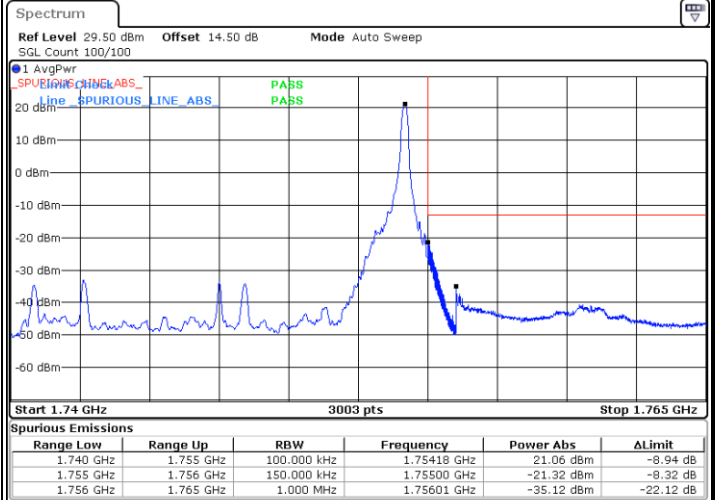
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



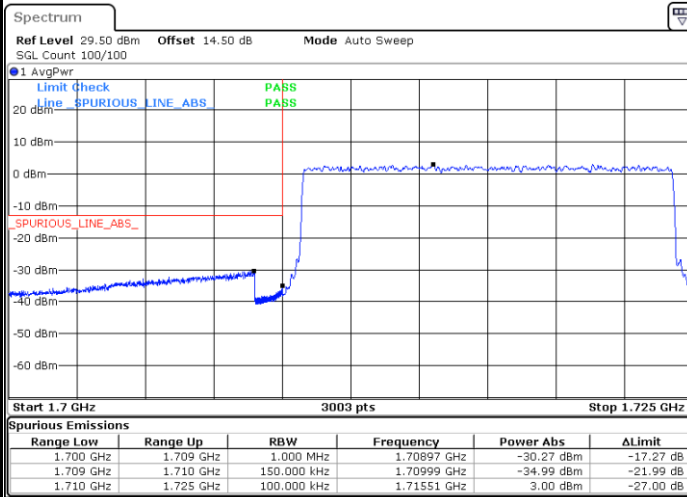
Date: 9 JUN.2023 16:23:54

Highest Band Edge / 1 RB



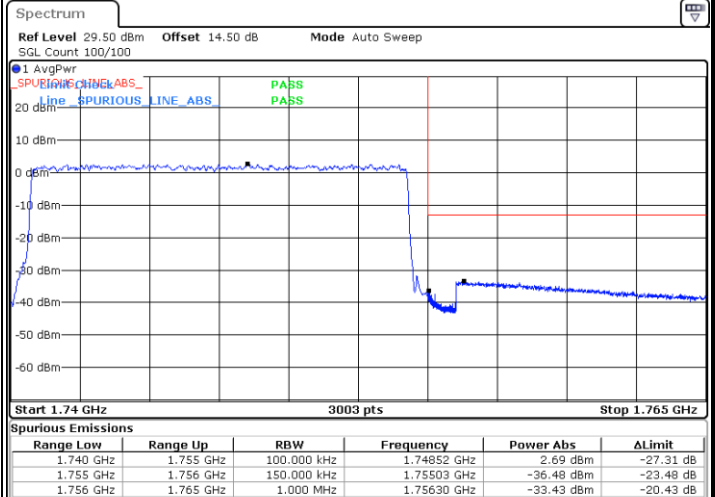
Date: 9 JUN.2023 16:27:14

Lowest Band Edge / Full RB



Date: 9 JUN.2023 16:22:14

Highest Band Edge / Full RB

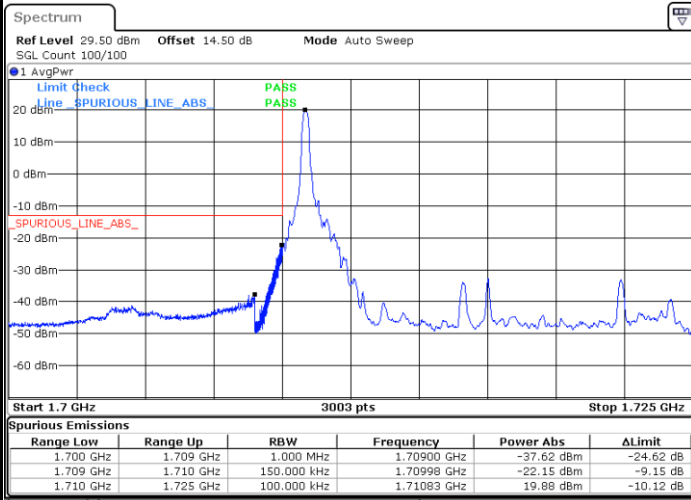


Date: 9 JUN.2023 16:25:34



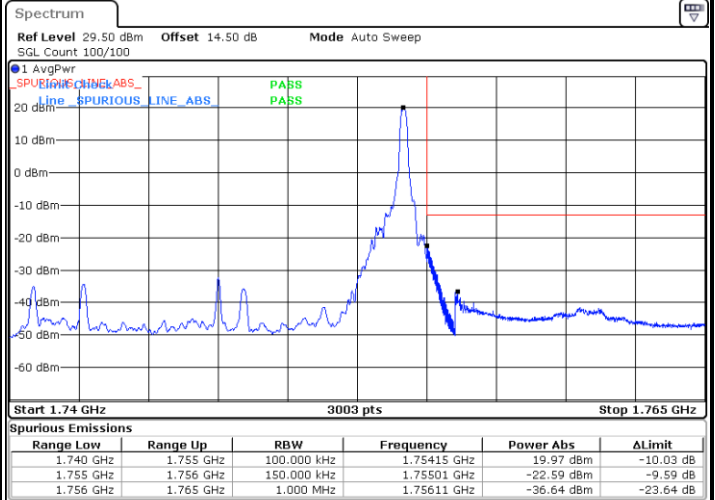
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



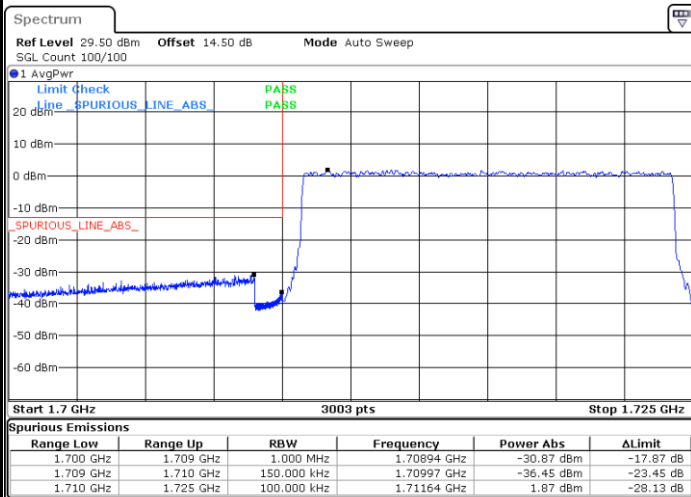
Date: 9 JUN, 2023 16:24:27

Highest Band Edge / 1 RB



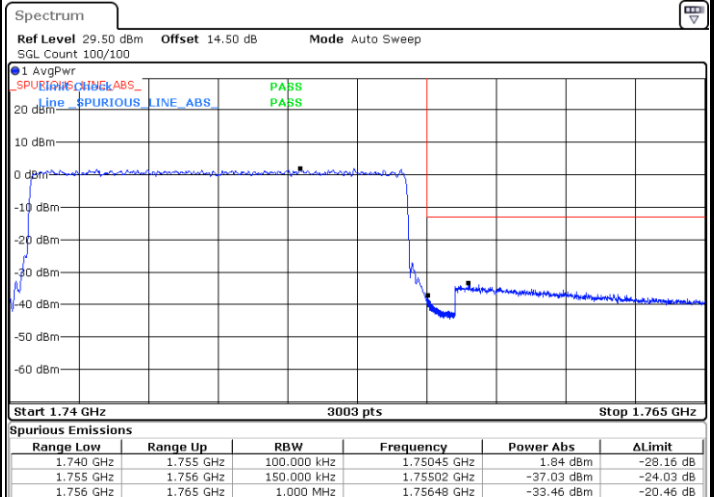
Date: 9 JUN, 2023 16:27:47

Lowest Band Edge / Full RB



Date: 9 JUN, 2023 16:22:47

Highest Band Edge / Full RB

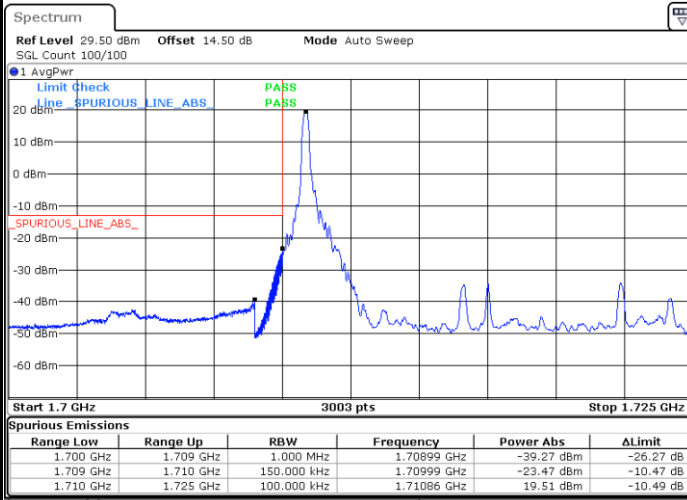


Date: 9 JUN, 2023 16:26:07



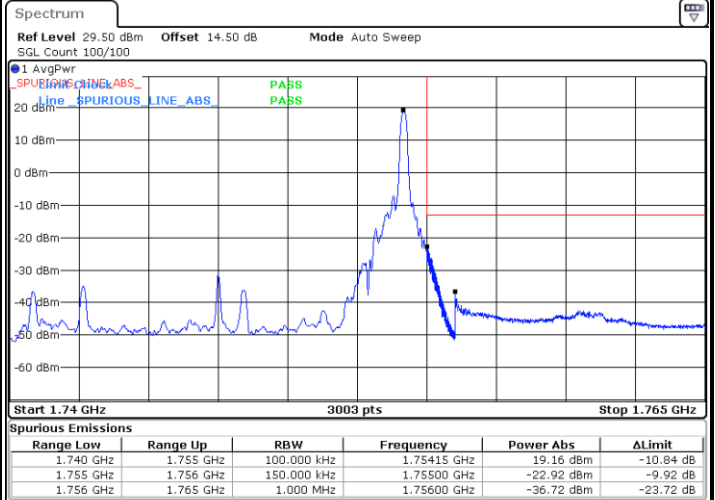
LTE Band 4 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



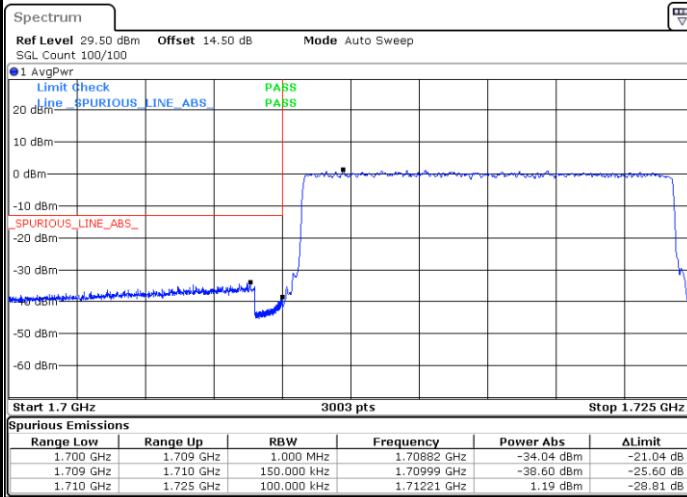
Date: 9 JUN.2023 16:25:00

Highest Band Edge / 1 RB



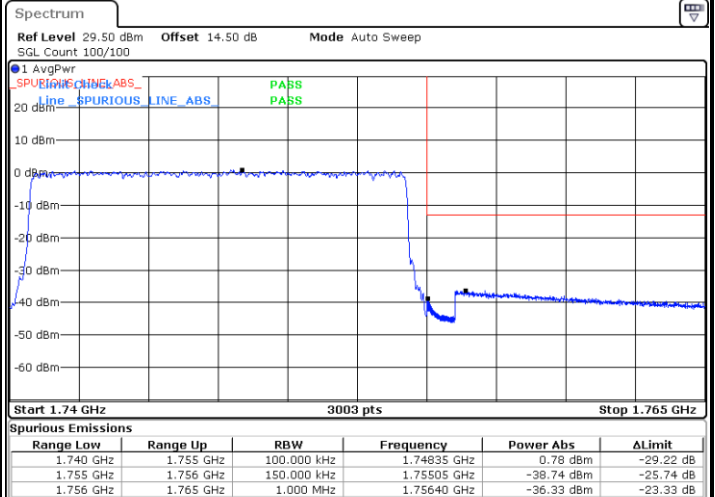
Date: 9 JUN.2023 16:28:20

Lowest Band Edge / Full RB



Date: 9 JUN.2023 16:23:20

Highest Band Edge / Full RB

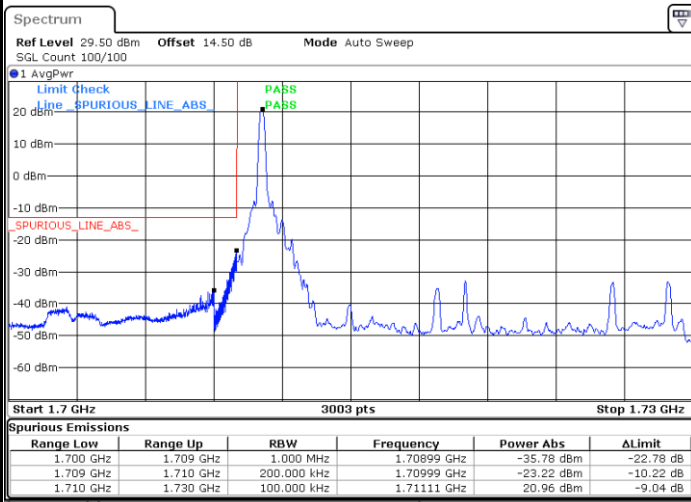


Date: 9 JUN.2023 16:26:40



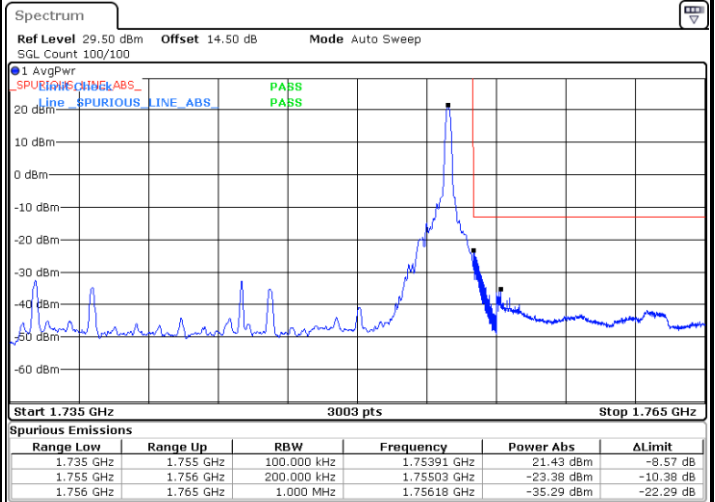
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB



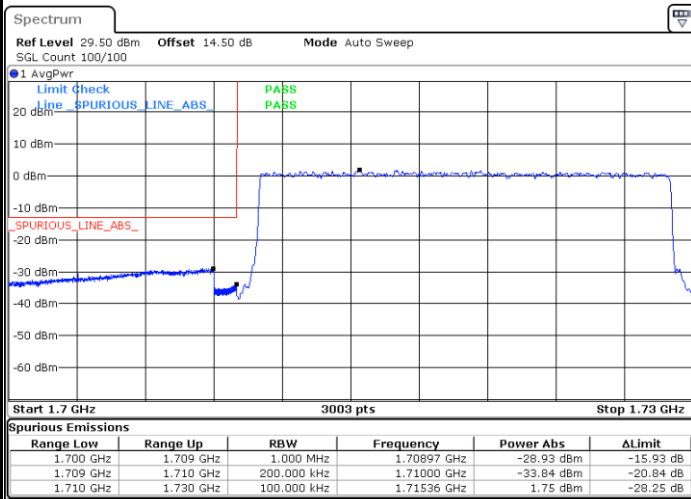
Date: 9 JUN.2023 16:34:19

Highest Band Edge / 1 RB



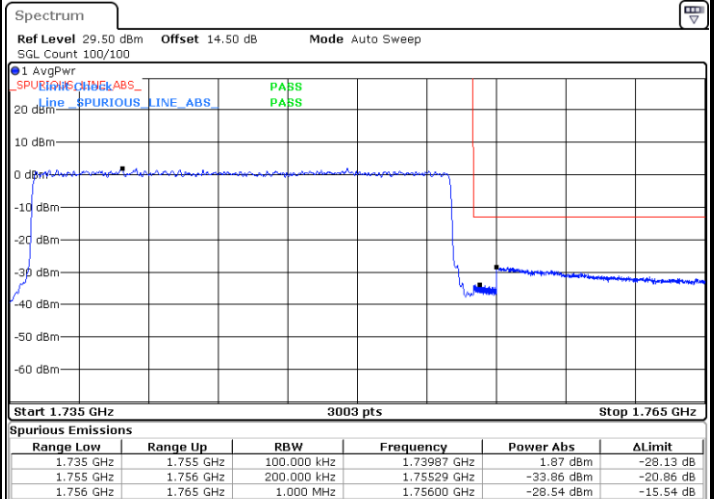
Date: 9 JUN.2023 16:37:39

Lowest Band Edge / Full RB



Date: 9 JUN.2023 16:32:39

Highest Band Edge / Full RB



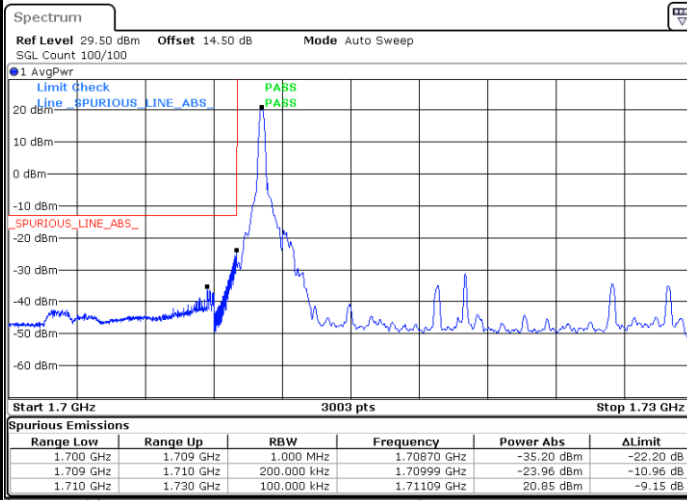
Date: 9 JUN.2023 16:35:59



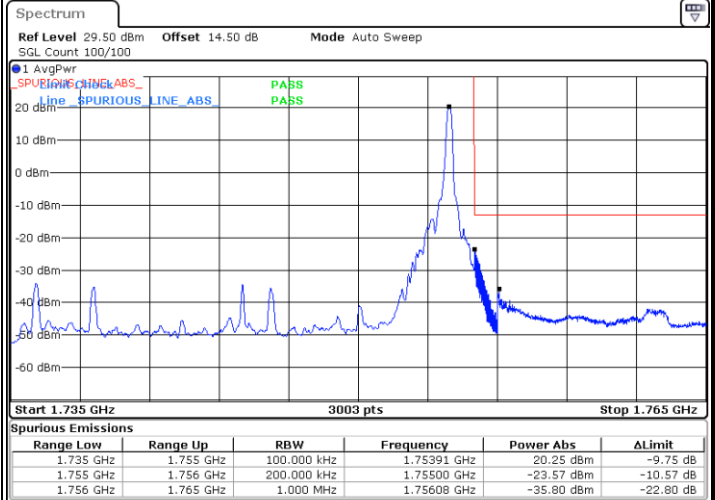


LTE Band 4 / 20MHz / 16QAM

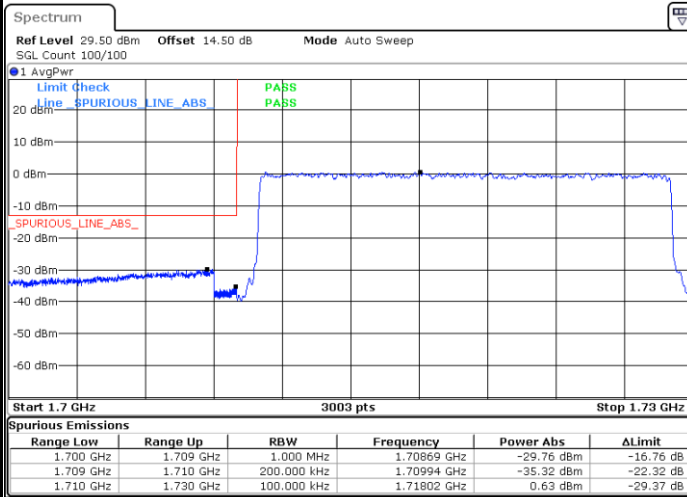
Lowest Band Edge / 1 RB



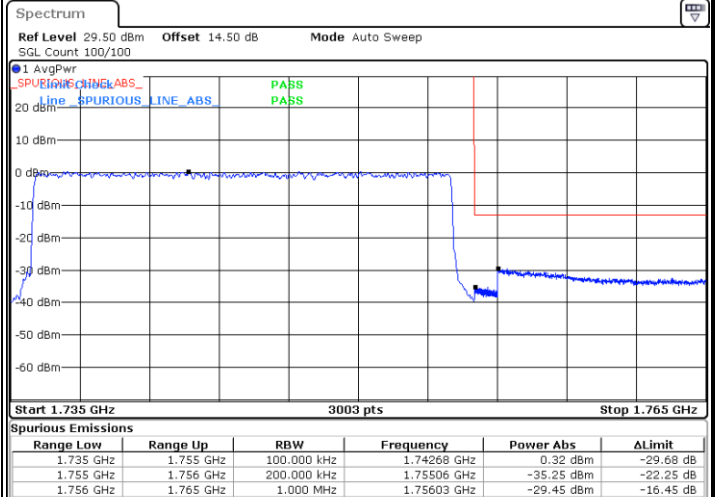
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



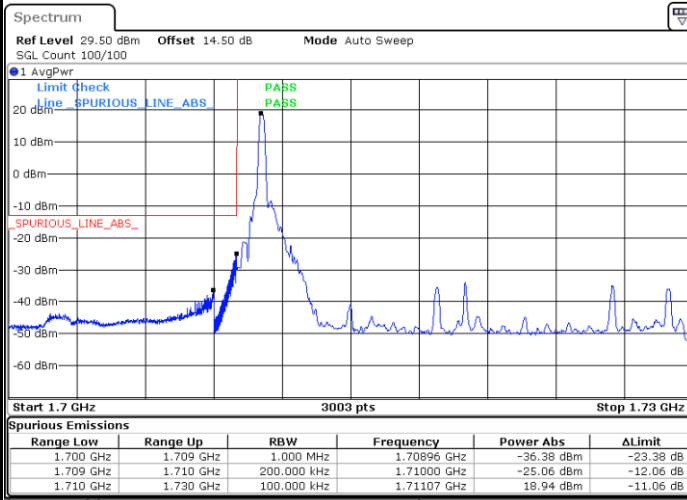
Highest Band Edge / Full RB





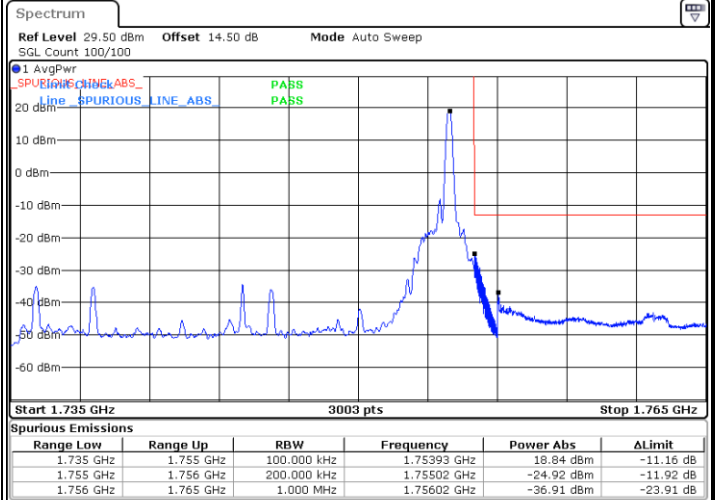
LTE Band 4 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



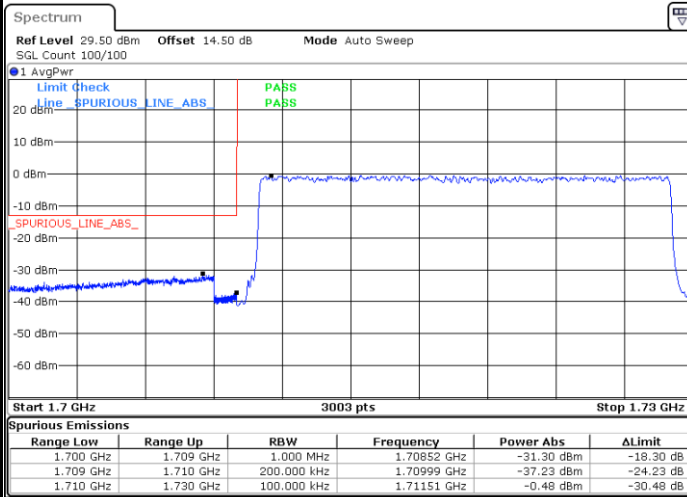
Date: 9 JUN.2023 16:35:25

Highest Band Edge / 1 RB



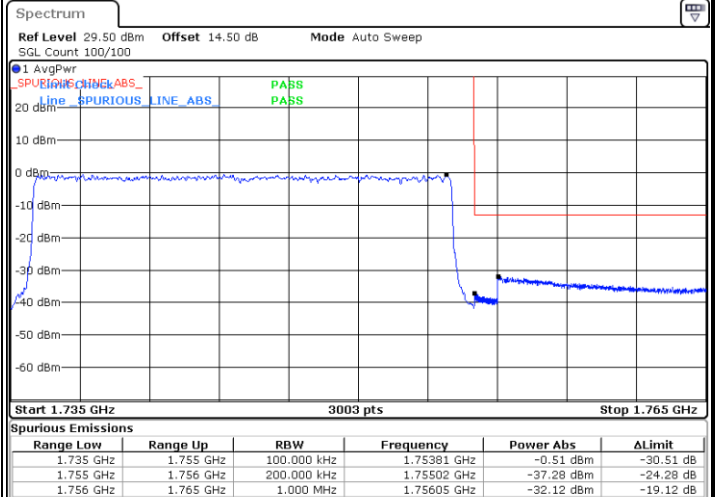
Date: 9 JUN.2023 16:38:45

Lowest Band Edge / Full RB



Date: 9 JUN.2023 16:33:45

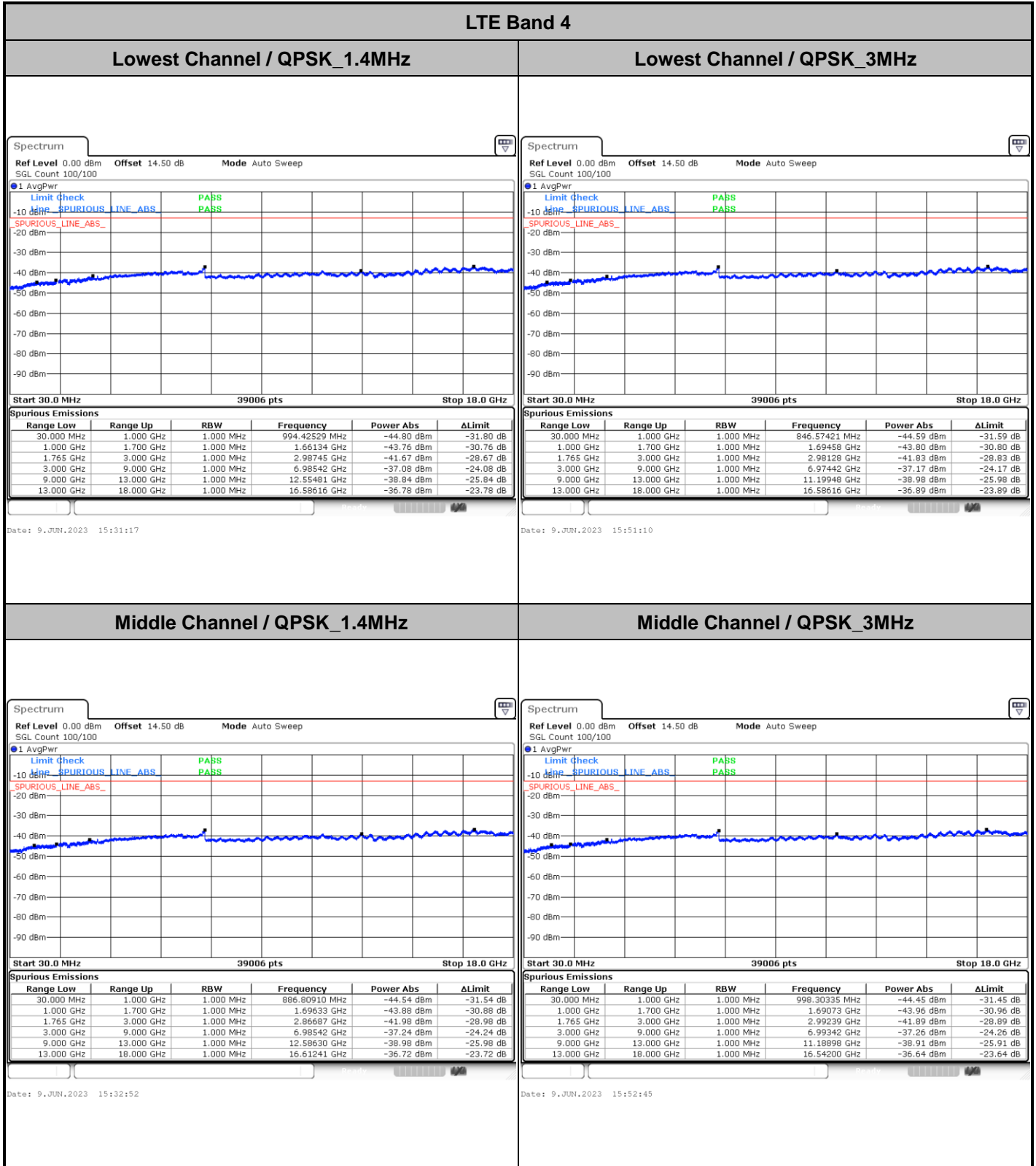
Highest Band Edge / Full RB

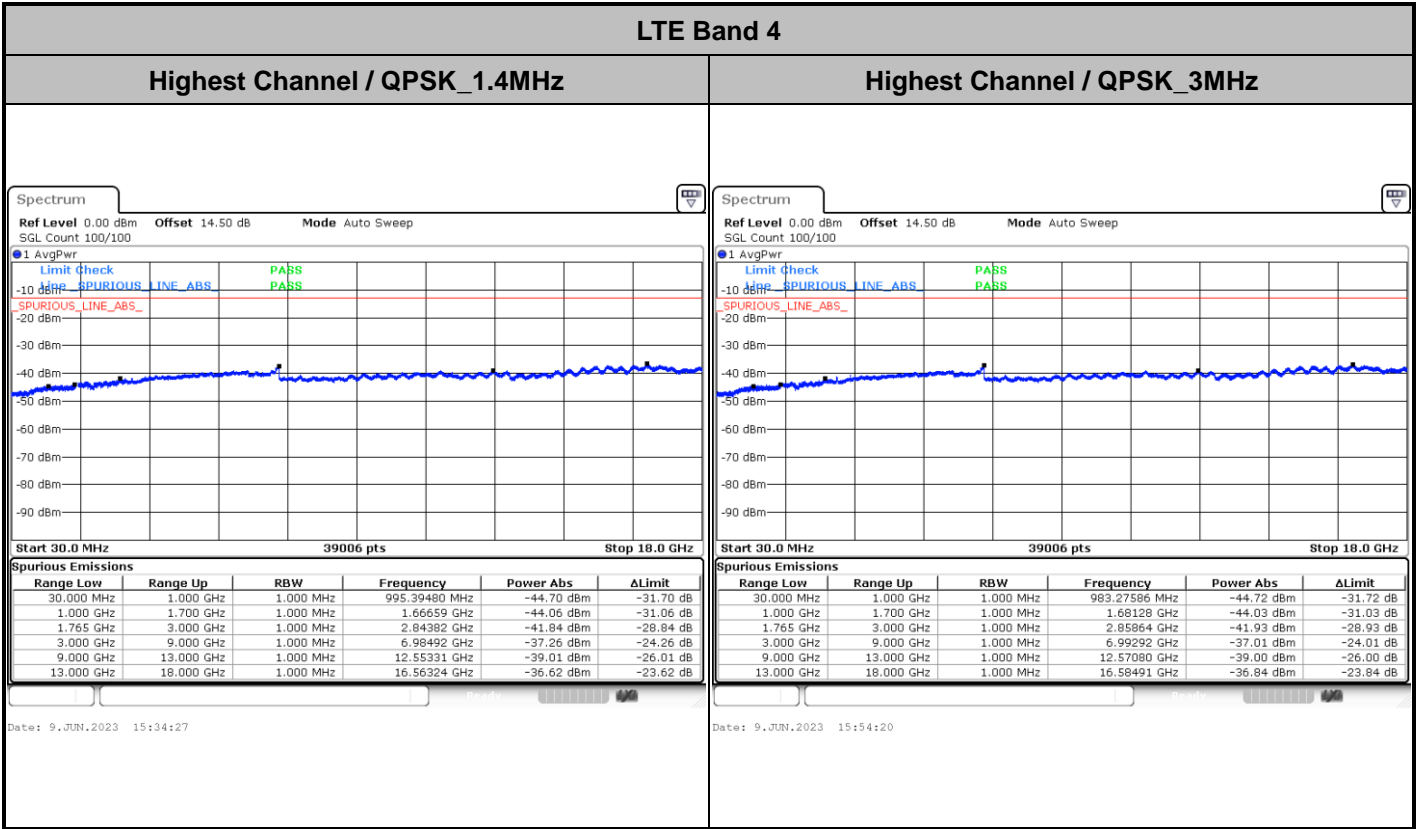


Date: 9 JUN.2023 16:37:05



# Conducted Spurious Emission



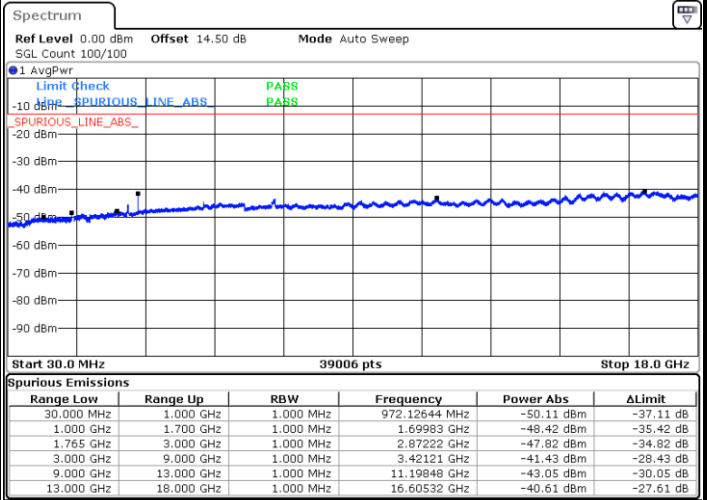
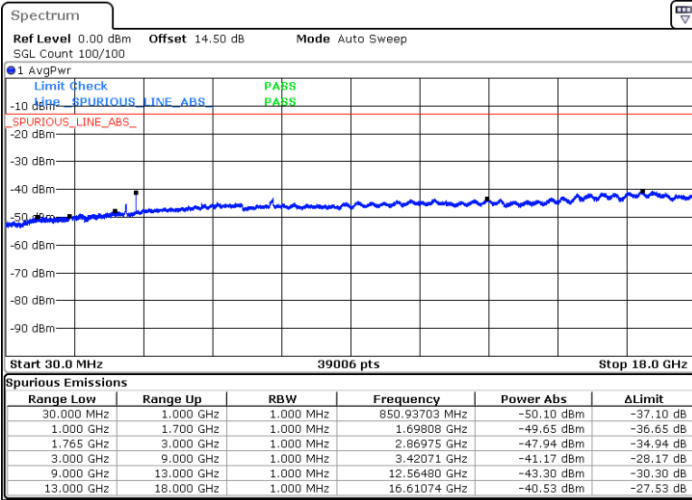




LTE Band 4

Lowest Channel / QPSK\_5MHz

Lowest Channel / QPSK\_10MHz

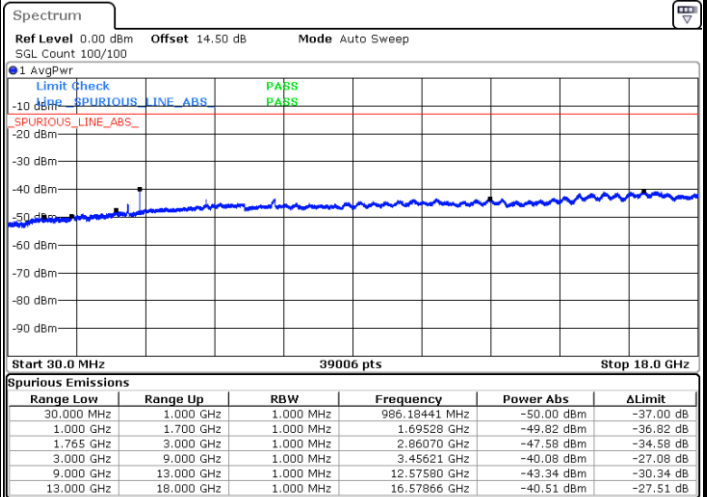
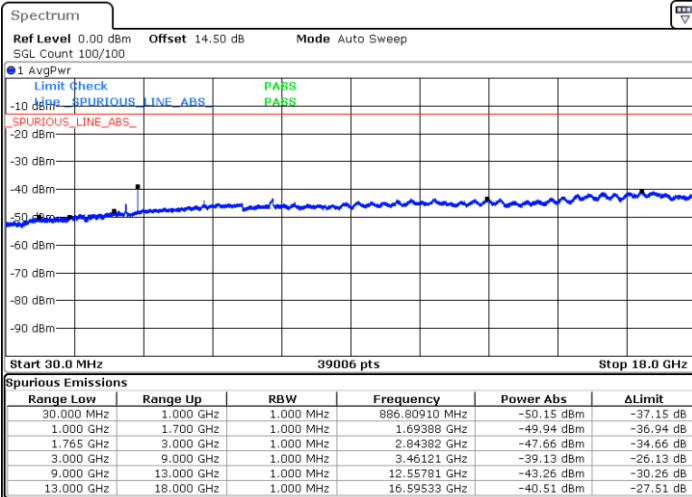


Date: 9 JUN.2023 16:07:41

Date: 9 JUN.2023 16:19:10

Middle Channel / QPSK\_5MHz

Middle Channel / QPSK\_10MHz



Date: 9 JUN.2023 16:09:15

Date: 9 JUN.2023 16:20:25

