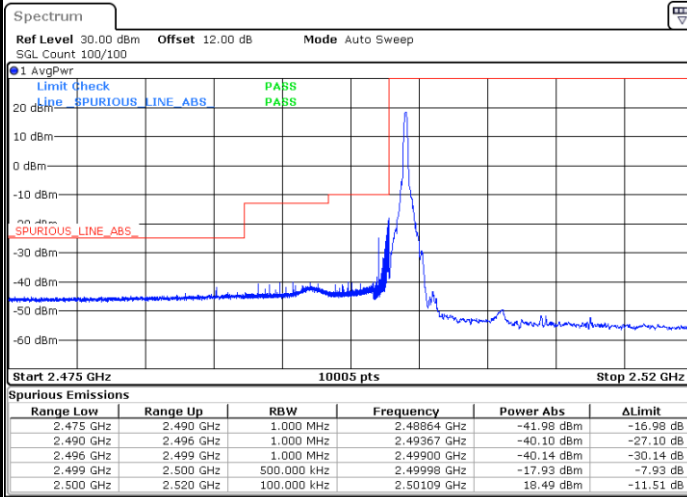




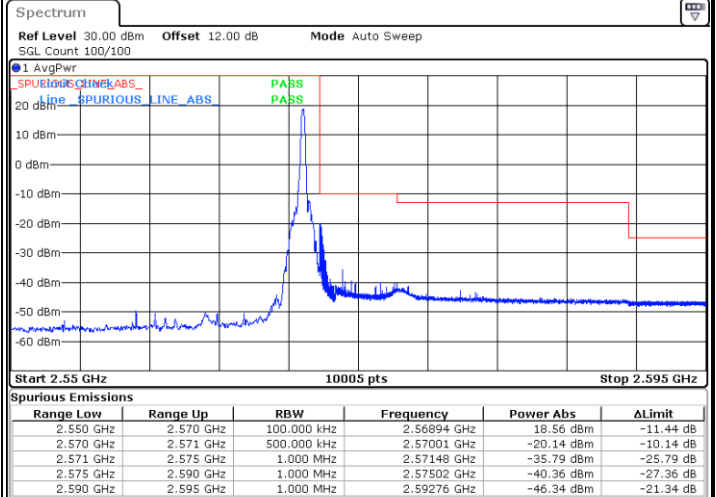
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



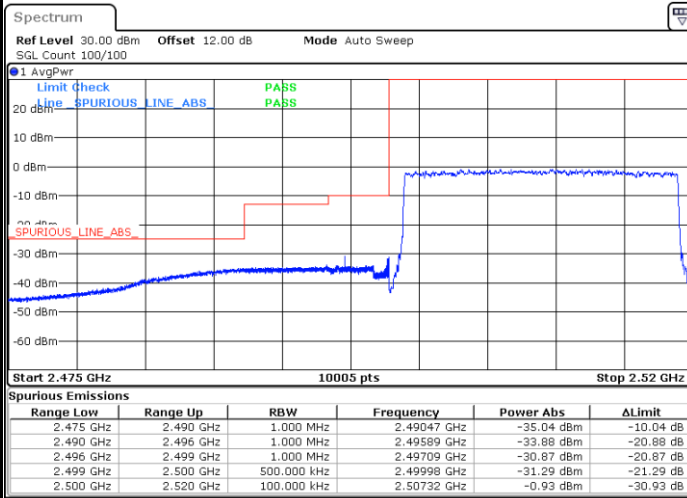
Date: 19.JAN.2022 05:11:27

Highest Band Edge / 1 RB



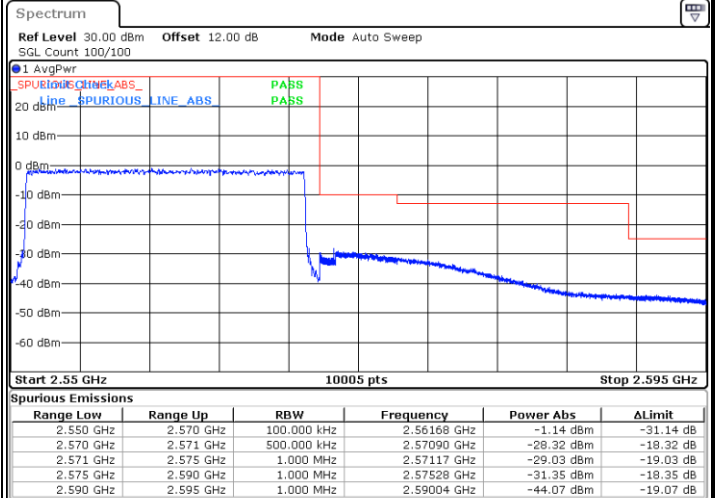
Date: 19.JAN.2022 05:14:04

Lowest Band Edge / Full RB



Date: 19.JAN.2022 05:12:42

Highest Band Edge / Full RB



Date: 19.JAN.2022 05:14:46

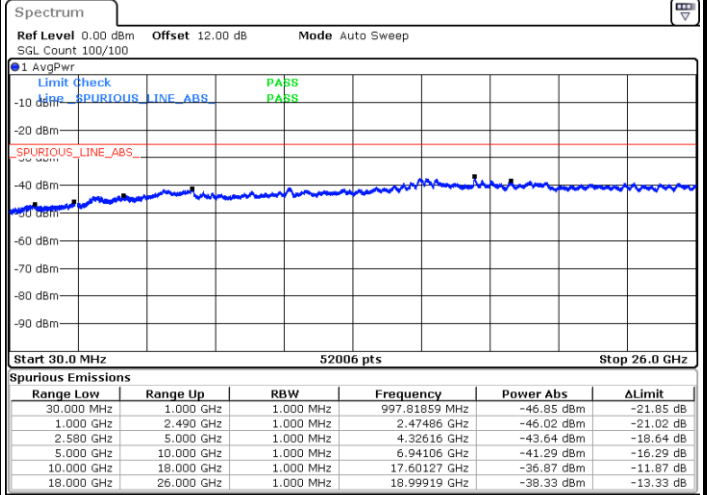
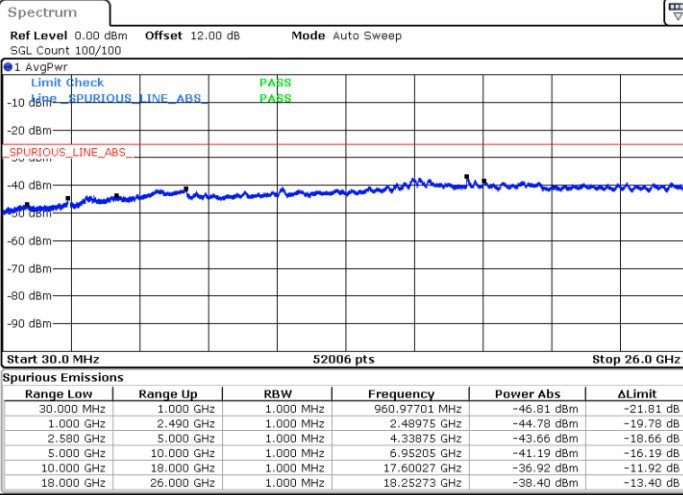


# Conducted Spurious Emission

## LTE Band 7 / 5MHz

### Lowest Channel / QPSK

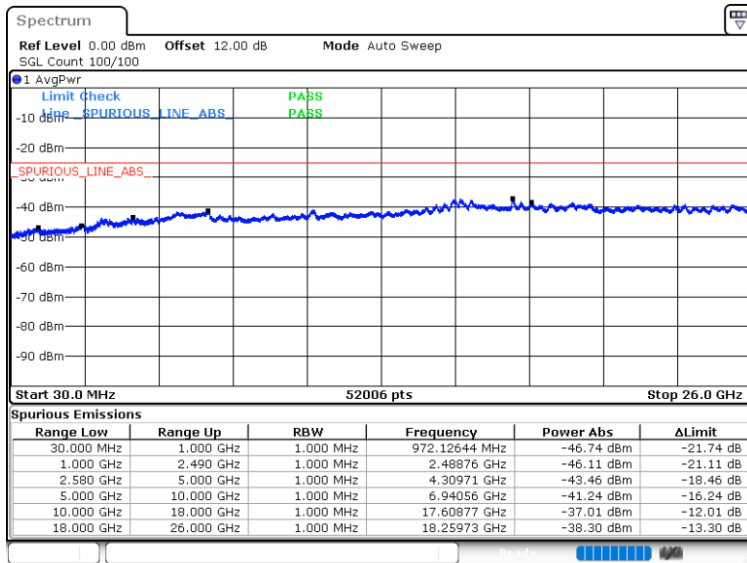
### Middle Channel / QPSK



Date: 21.APR.2022 18:48:41

Date: 21.APR.2022 18:49:54

### Highest Channel / QPSK



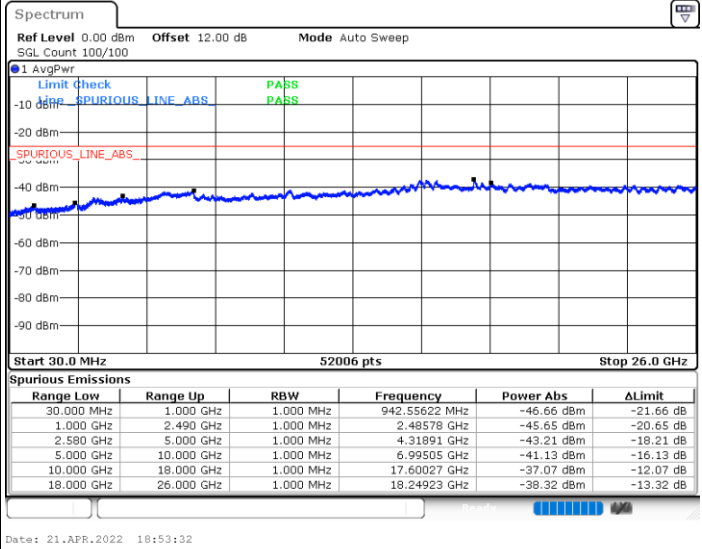
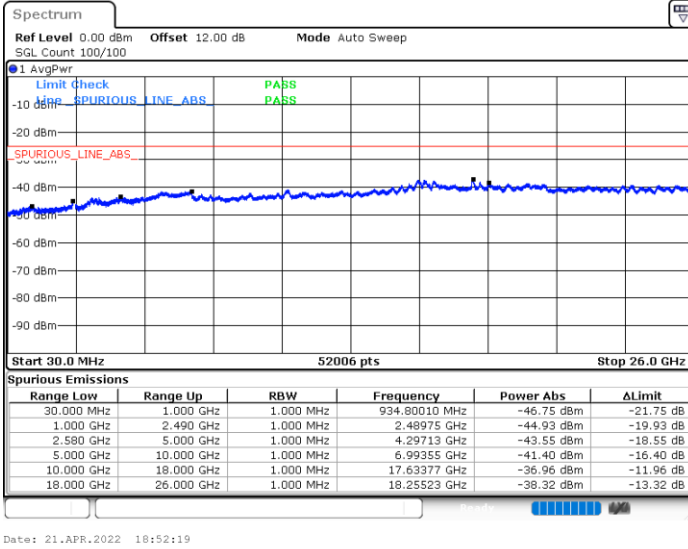
Date: 21.APR.2022 18:51:06



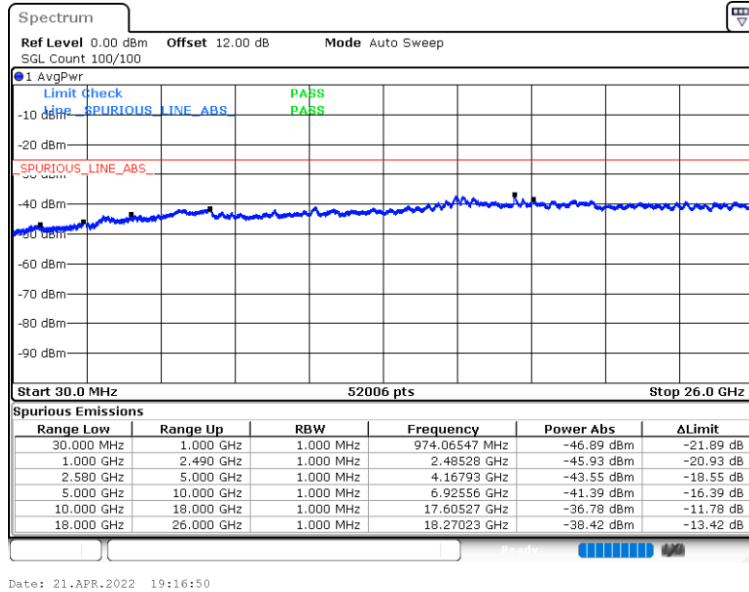
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

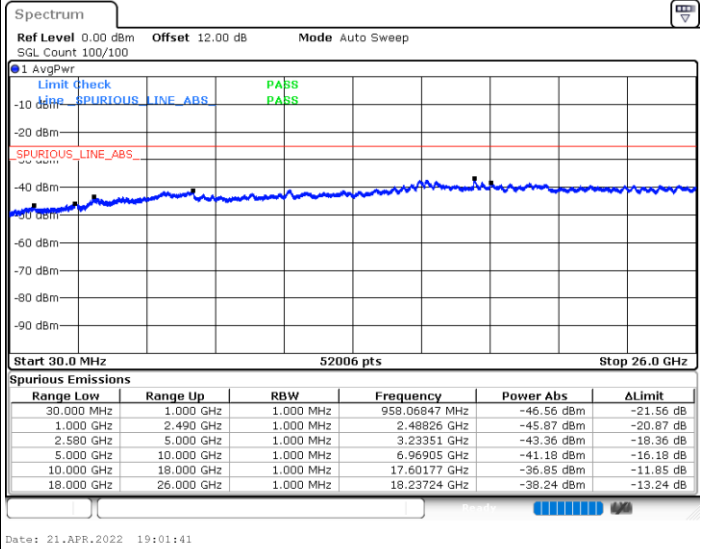
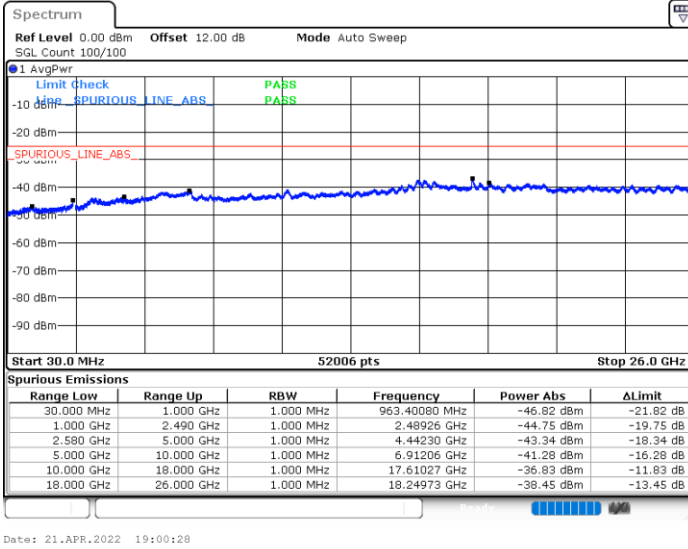




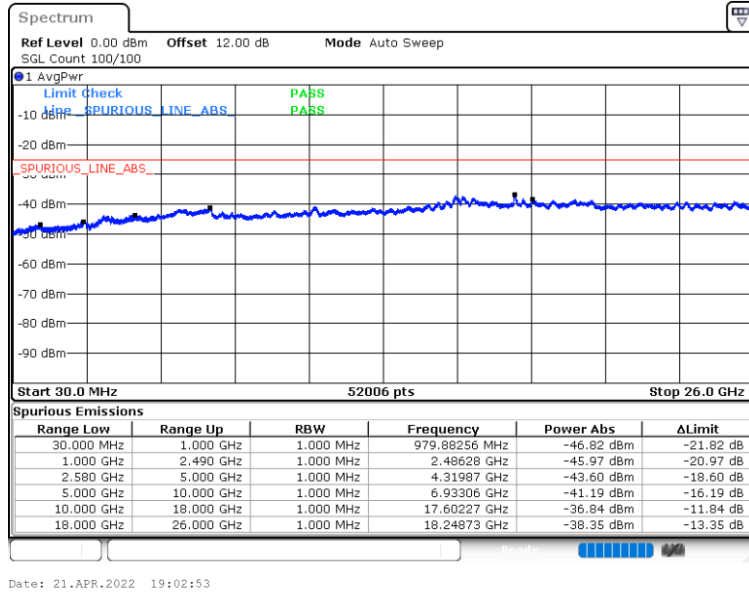
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

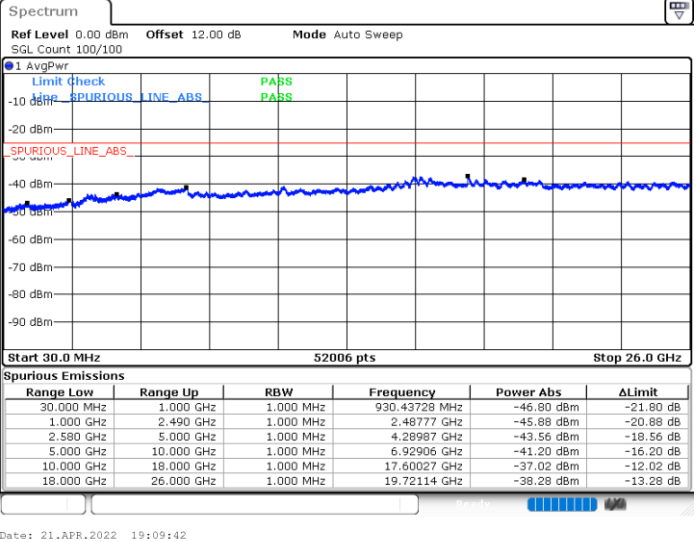
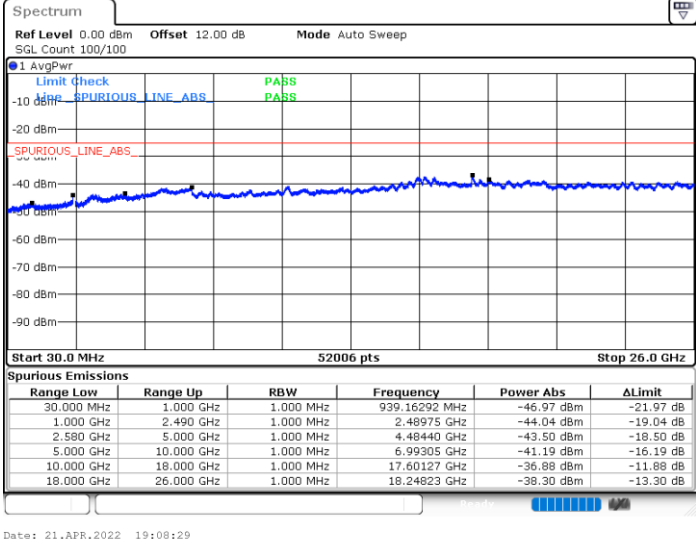




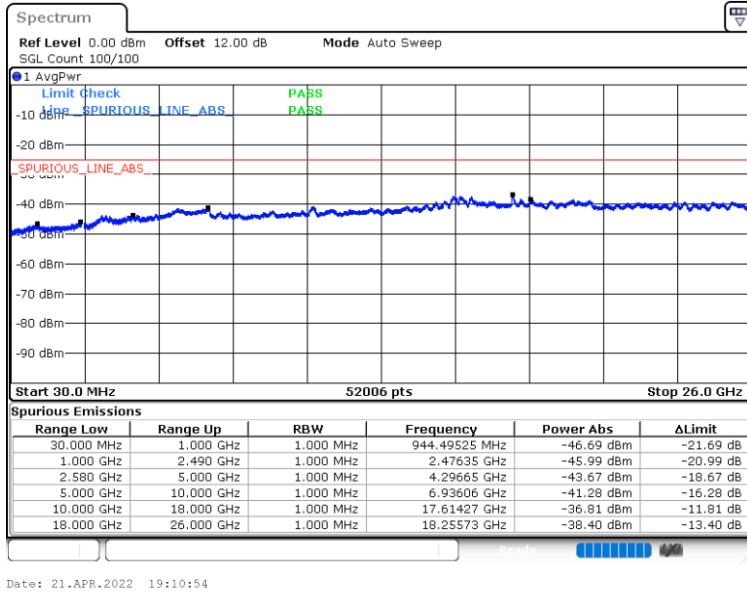
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0031	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0030	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0000	

Note:

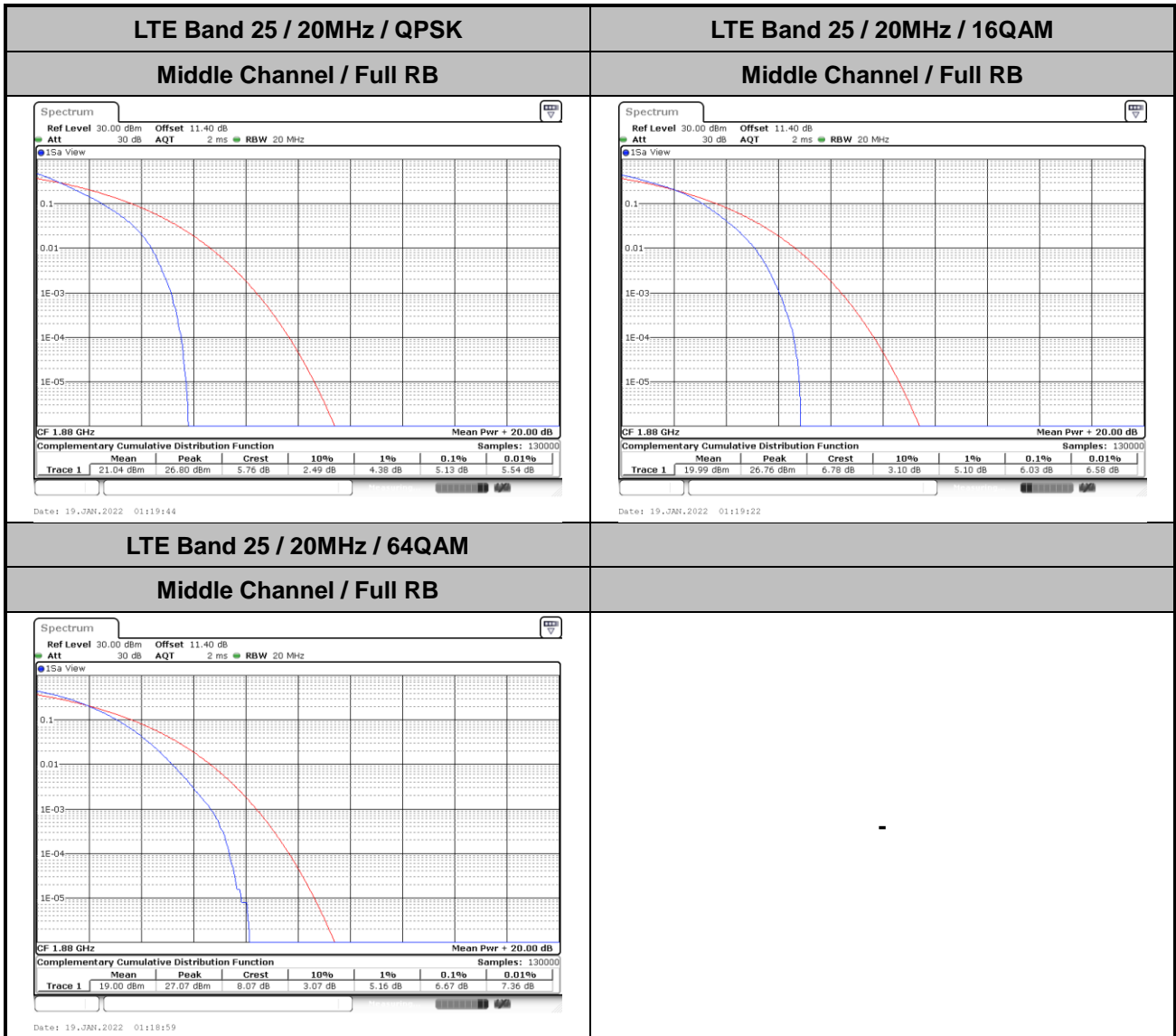
1. Normal Voltage =14 V. ; Battery End Point (BEP) =12 V. ; Maximum Voltage =16 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 25

### Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.13	6.03	6.67	<b>PASS</b>







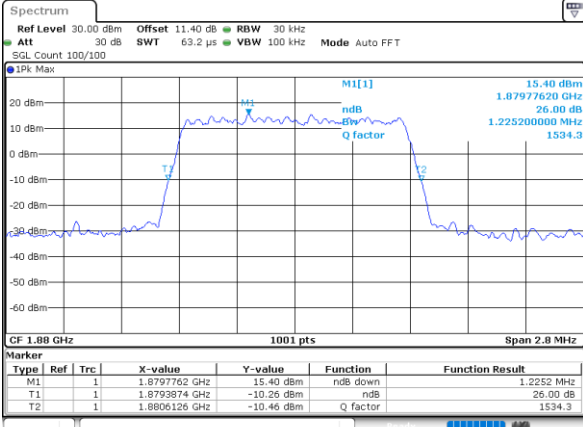
**26dB Bandwidth**

Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.23	1.22	3.07	3.03	4.94	4.90	9.91	9.77	14.48	14.27	18.86	18.70
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.24	-	3.02	-	4.95	-	9.99	-	14.54	-	18.90	-



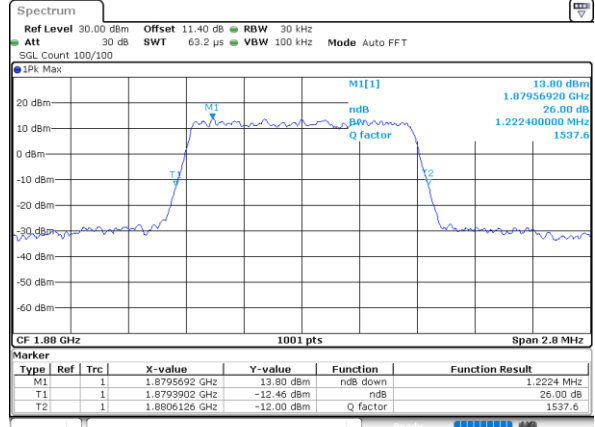
LTE Band 25

Middle Channel / 1.4MHz / QPSK



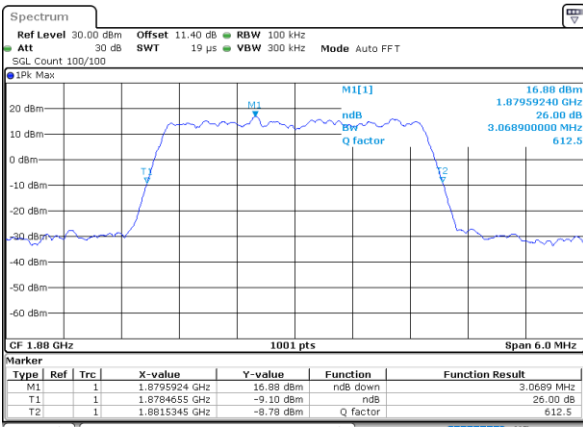
Date: 18\_JAN,2022 23:58:44

Middle Channel / 1.4MHz / 16QAM



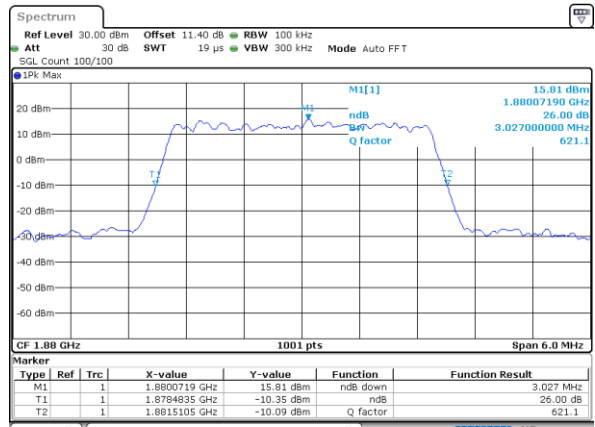
Date: 18\_JAN,2022 23:59:05

Middle Channel / 3MHz / QPSK



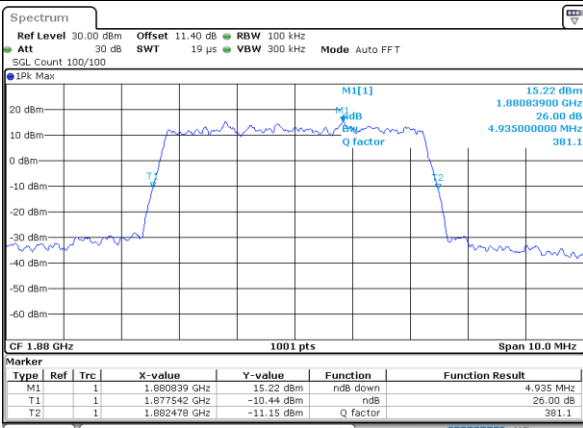
Date: 19\_JAN,2022 00:14:55

Middle Channel / 3MHz / 16QAM



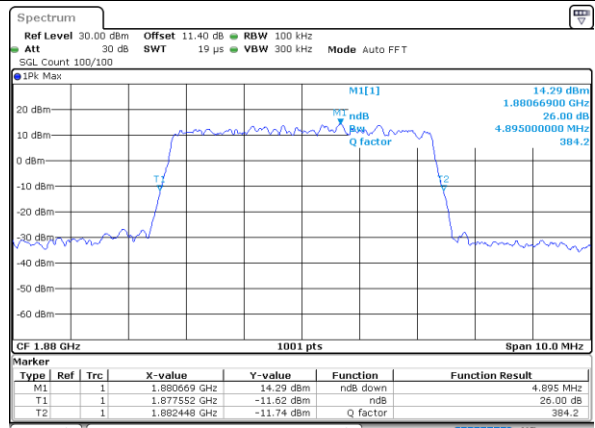
Date: 19\_JAN,2022 00:15:16

Middle Channel / 5MHz / QPSK



Date: 19\_JAN,2022 00:24:18

Middle Channel / 5MHz / 16QAM

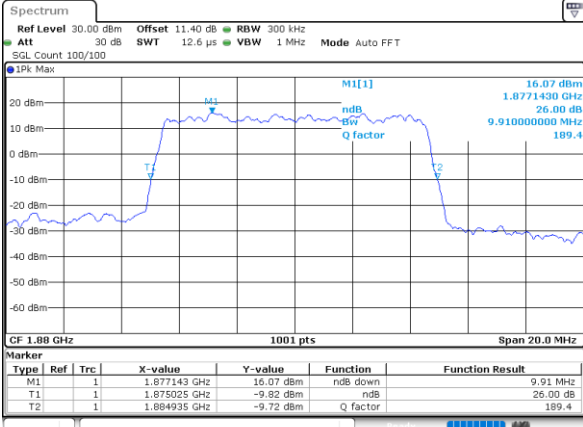


Date: 19\_JAN,2022 00:24:39



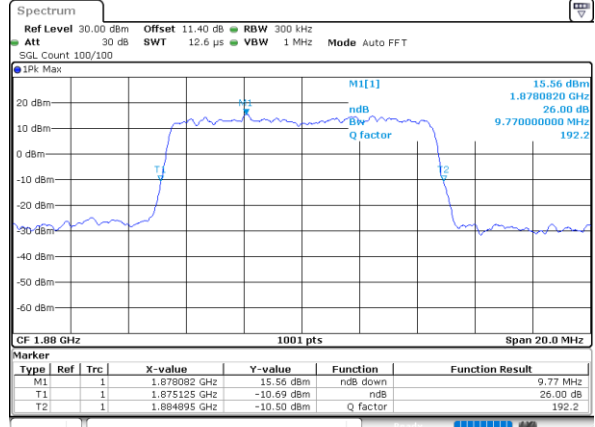
LTE Band 25

Middle Channel / 10MHz / QPSK



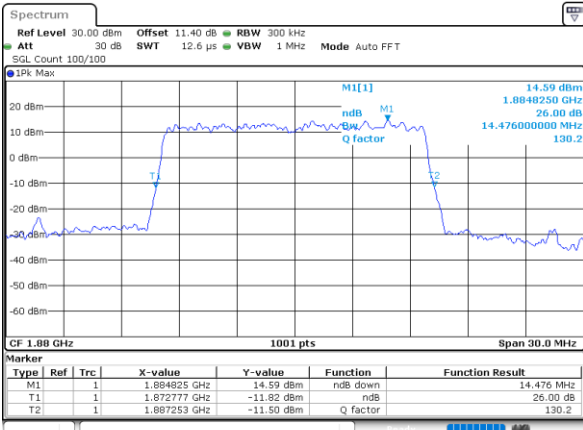
Date: 19\_JAN,2022 00:37:06

Middle Channel / 10MHz / 16QAM



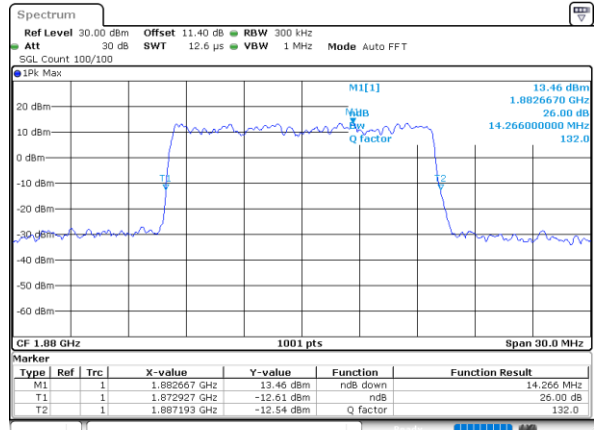
Date: 19\_JAN,2022 00:42:14

Middle Channel / 15MHz / QPSK



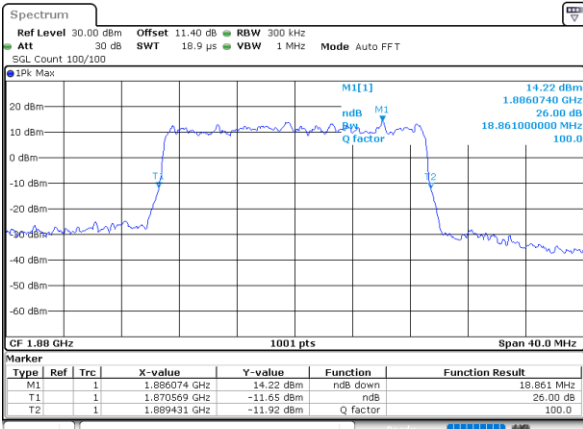
Date: 19\_JAN,2022 01:10:05

Middle Channel / 15MHz / 16QAM



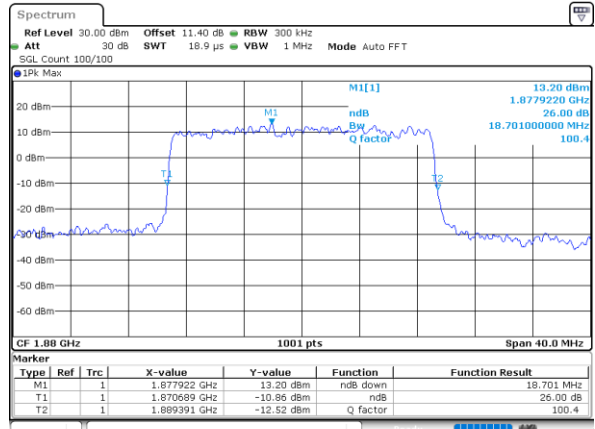
Date: 19\_JAN,2022 01:10:26

Middle Channel / 20MHz / QPSK



Date: 19\_JAN,2022 01:10:28

Middle Channel / 20MHz / 16QAM

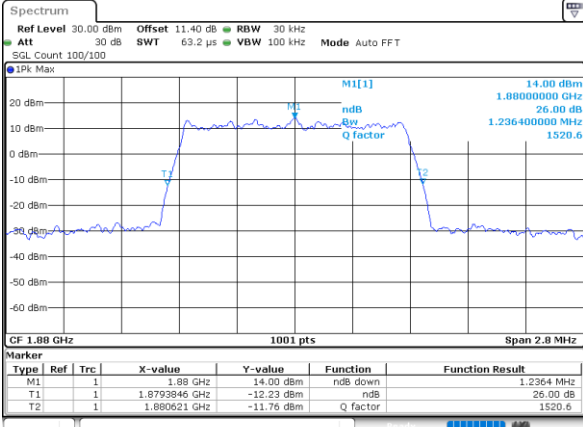


Date: 19\_JAN,2022 01:10:49



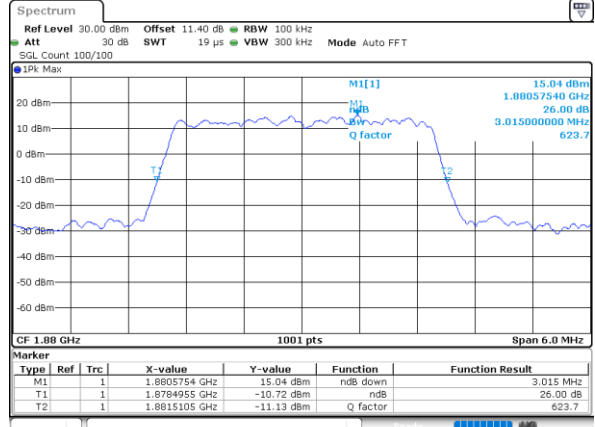
LTE Band 25

Middle Channel / 1.4MHz / 64QAM



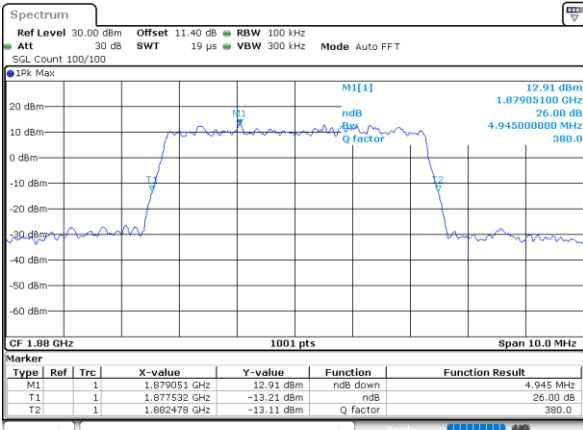
Date: 19\_JAN,2022 00:05:32

Middle Channel / 3MHz / 64QAM



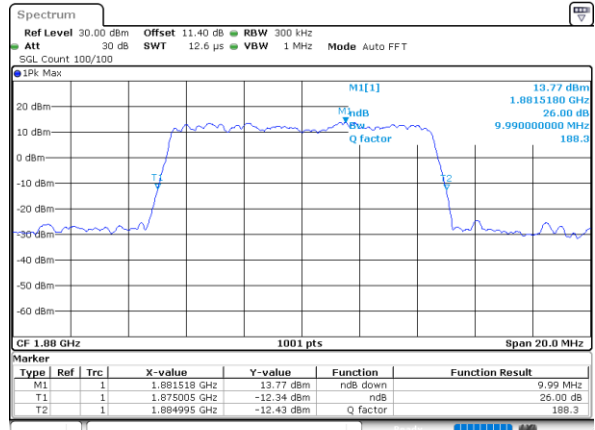
Date: 19\_JAN,2022 00:08:56

Middle Channel / 5MHz / 64QAM



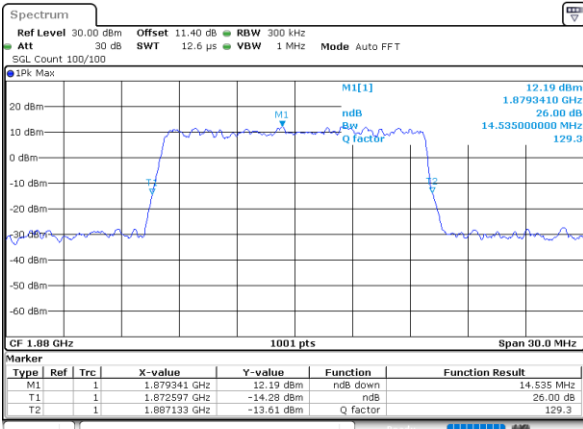
Date: 19\_JAN,2022 00:31:07

Middle Channel / 10MHz / 64QAM



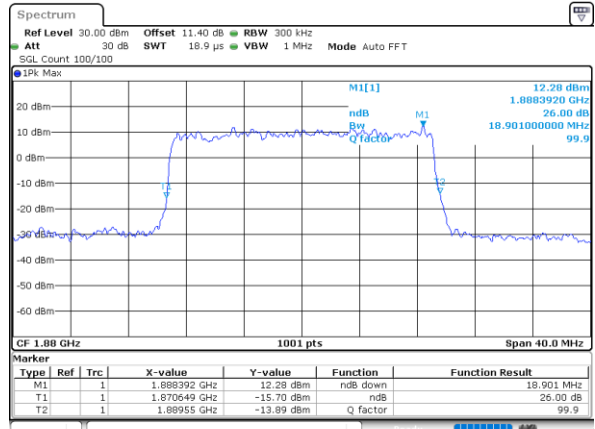
Date: 19\_JAN,2022 00:48:41

Middle Channel / 15MHz / 64QAM



Date: 19\_JAN,2022 00:52:06

Middle Channel / 20MHz / 64QAM



Date: 19\_JAN,2022 01:17:16



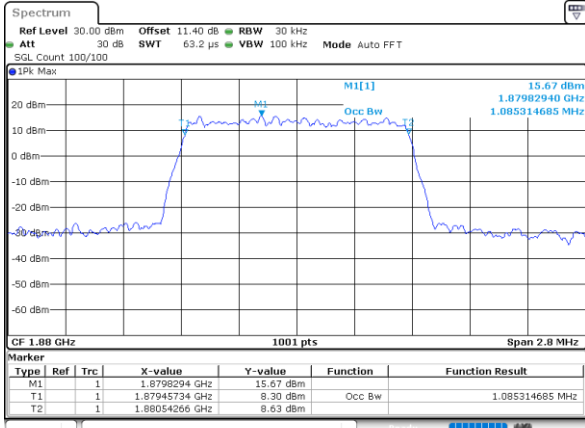
**Occupied Bandwidth**

Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.09	2.71	2.72	4.49	4.49	8.99	9.01	13.49	13.43	17.86	17.90
Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.09	-	2.75	-	4.48	-	8.99	-	13.49	-	17.90	-

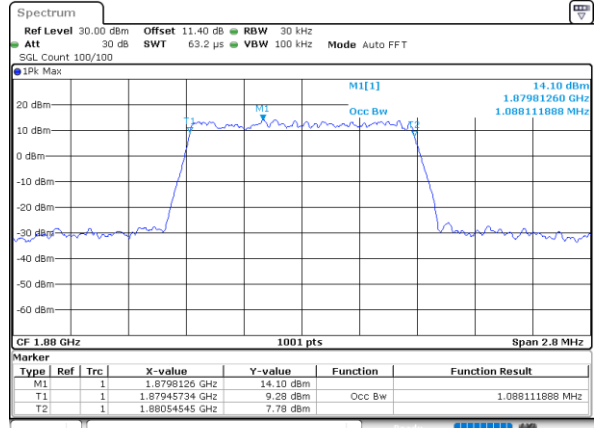


LTE Band 25

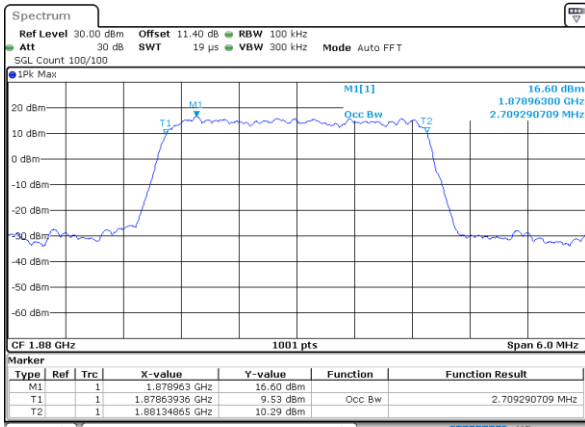
Middle Channel / 1.4MHz / QPSK



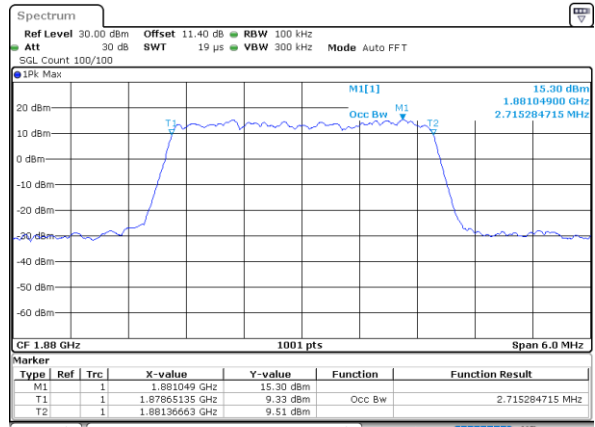
Middle Channel / 1.4MHz / 16QAM



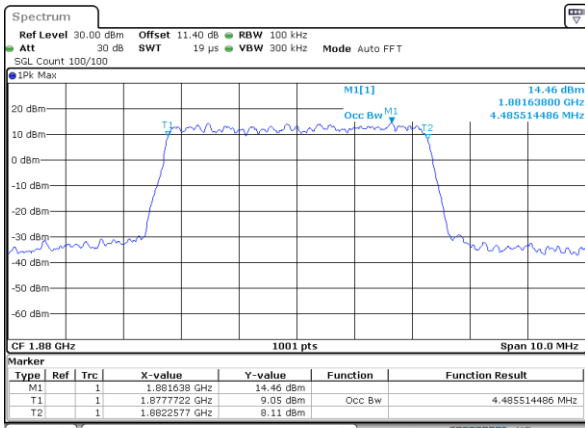
Middle Channel / 3MHz / QPSK



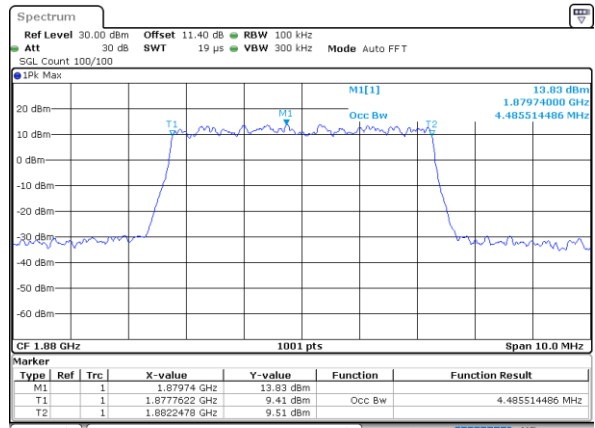
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



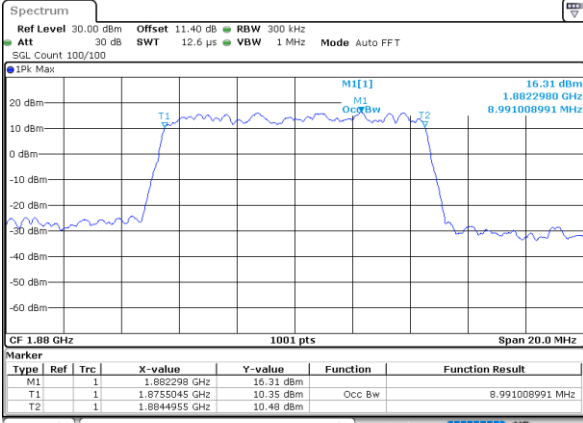
Middle Channel / 5MHz / 16QAM





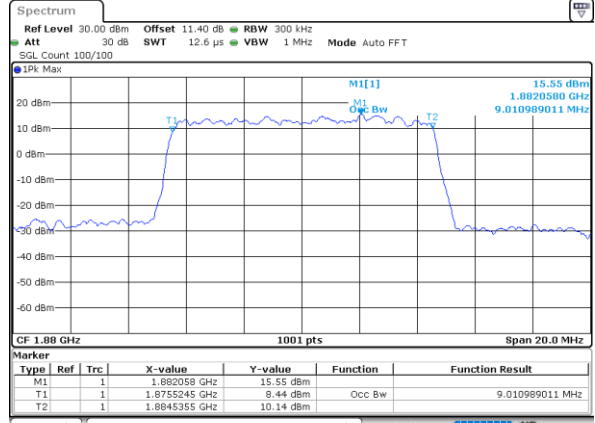
LTE Band 25

Middle Channel / 10MHz / QPSK



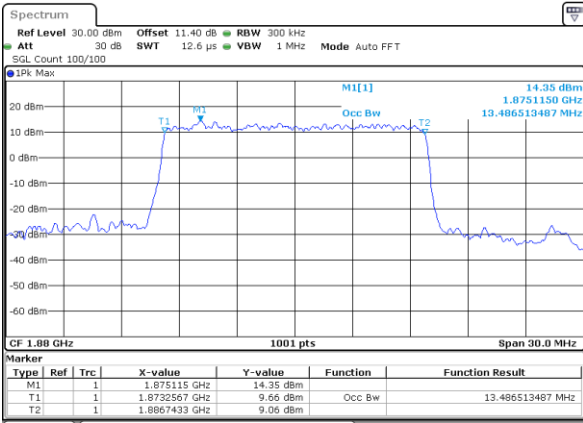
Date: 19\_JAN,2022 00:36:24

Middle Channel / 10MHz / 16QAM



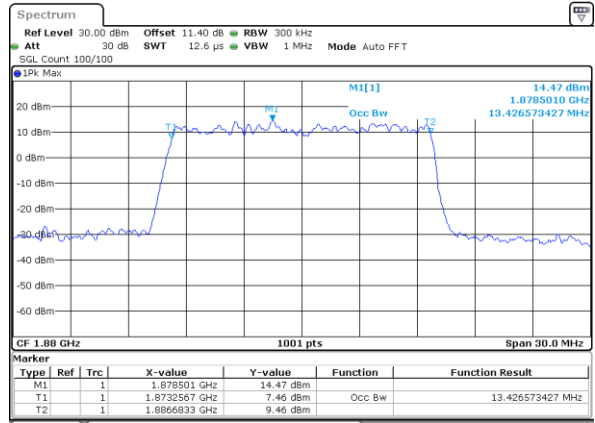
Date: 19\_JAN,2022 00:36:45

Middle Channel / 15MHz / QPSK



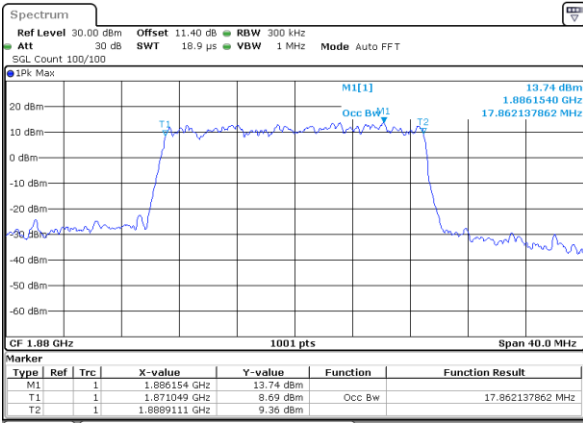
Date: 19\_JAN,2022 01:00:22

Middle Channel / 15MHz / 16QAM



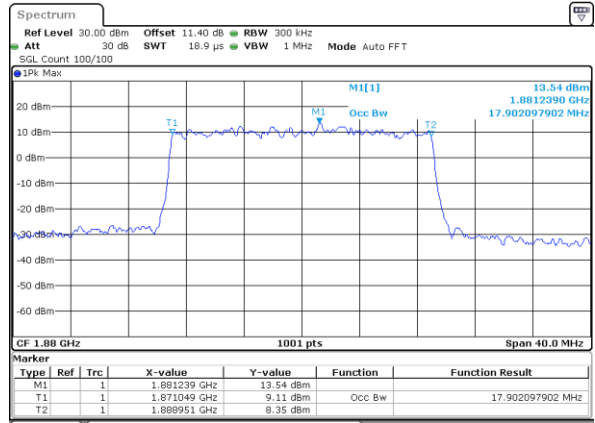
Date: 19\_JAN,2022 01:00:43

Middle Channel / 20MHz / QPSK



Date: 19\_JAN,2022 01:09:45

Middle Channel / 20MHz / 16QAM

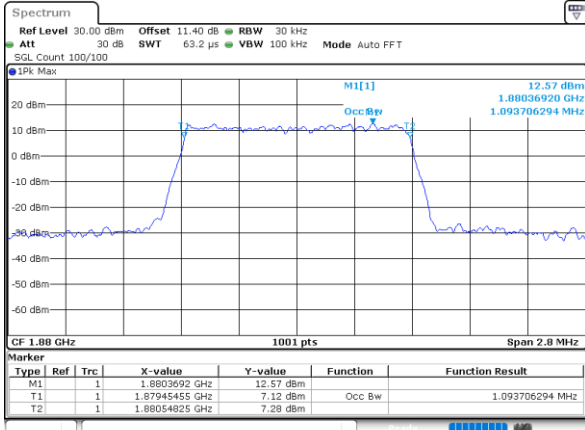


Date: 19\_JAN,2022 01:10:06



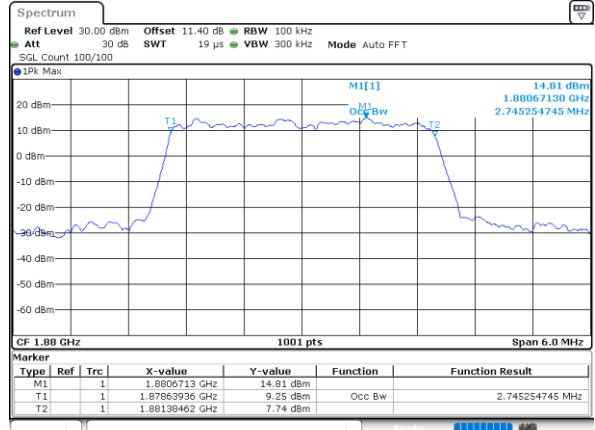
LTE Band 25

Middle Channel / 1.4MHz / 64QAM



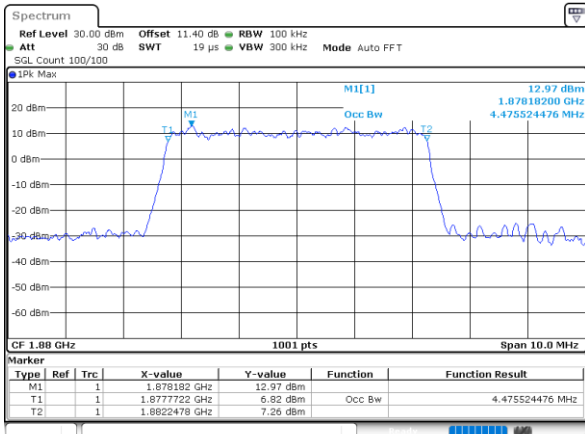
Date: 19\_JAN,2022 00:05:11

Middle Channel / 3MHz / 64QAM



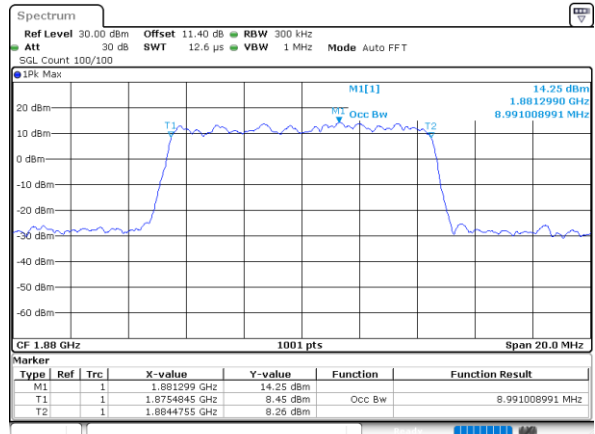
Date: 19\_JAN,2022 00:08:35

Middle Channel / 5MHz / 64QAM



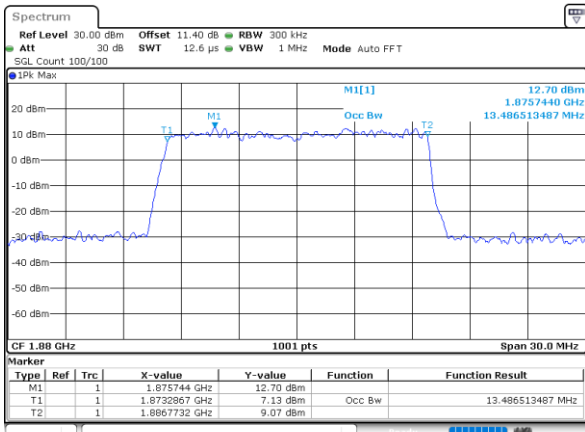
Date: 19\_JAN,2022 00:38:46

Middle Channel / 10MHz / 64QAM



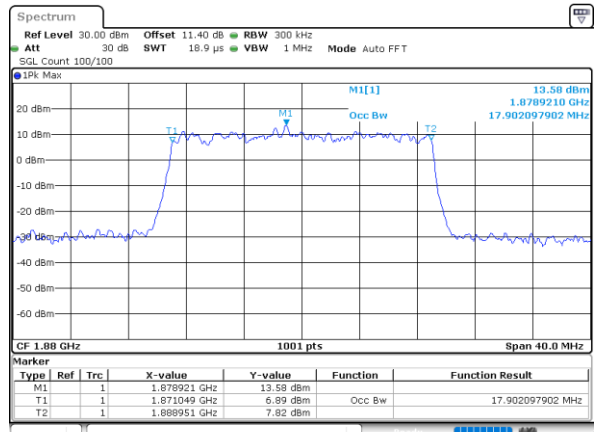
Date: 19\_JAN,2022 00:48:20

Middle Channel / 15MHz / 64QAM



Date: 19\_JAN,2022 00:51:45

Middle Channel / 20MHz / 64QAM



Date: 19\_JAN,2022 01:16:55

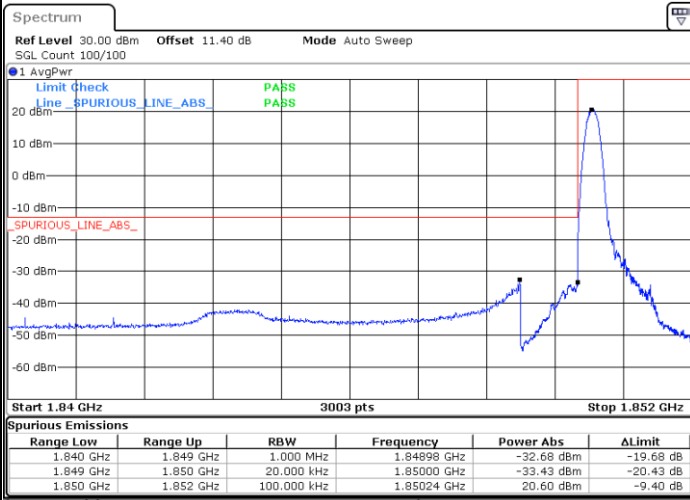




# Conducted Band Edge

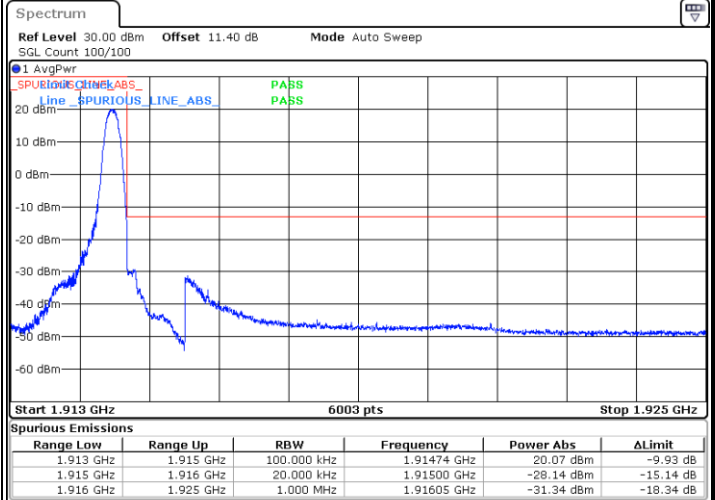
## LTE Band 25 / 1.4MHz / QPSK

### Lowest Band Edge / 1RB



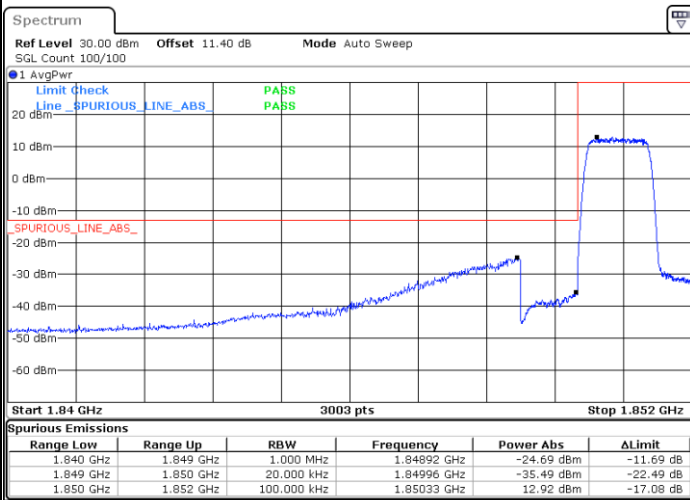
Date: 18.JAN.2022 23:53:42

### Highest Band Edge / 1RB



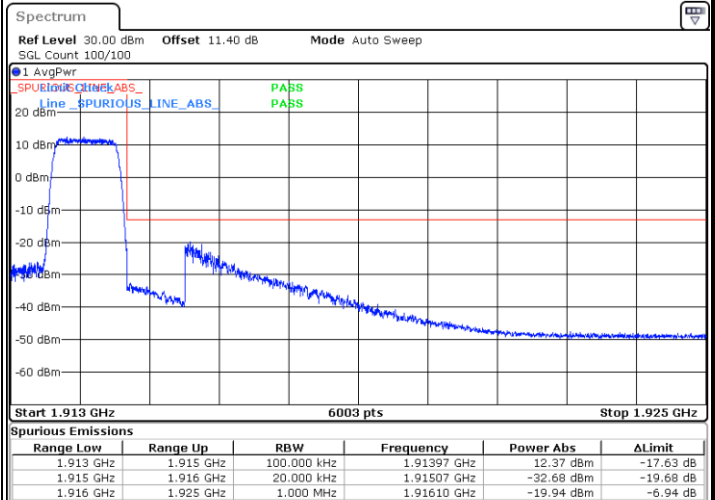
Date: 19.JAN.2022 00:02:37

### Lowest Band Edge / Full RB



Date: 18.JAN.2022 23:56:08

### Highest Band Edge / Full RB

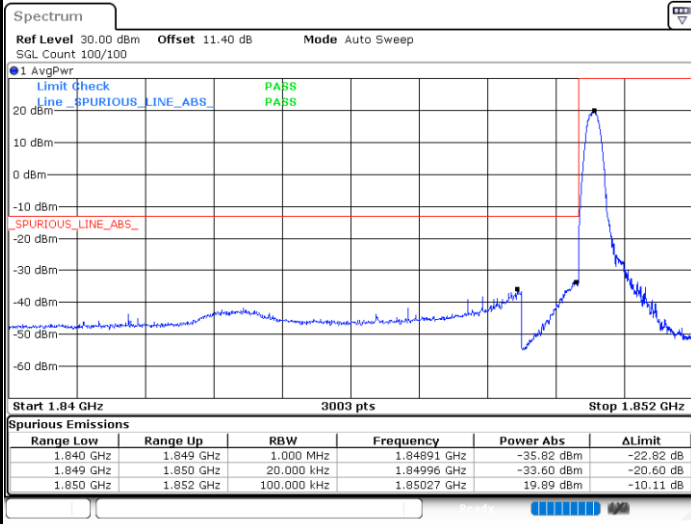


Date: 19.JAN.2022 00:00:36



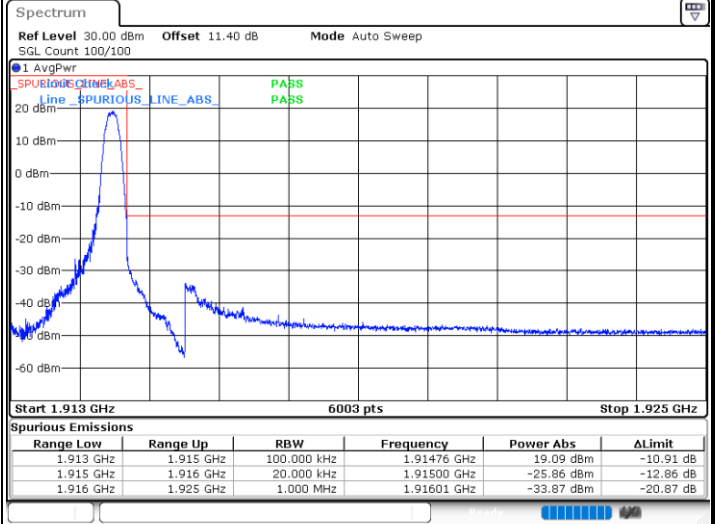
LTE Band 25 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



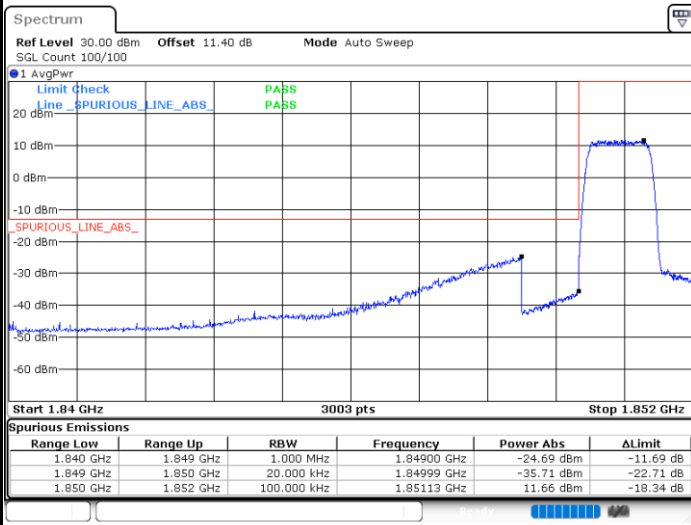
Date: 18.JAN.2022 23:55:28

Highest Band Edge / 1 RB



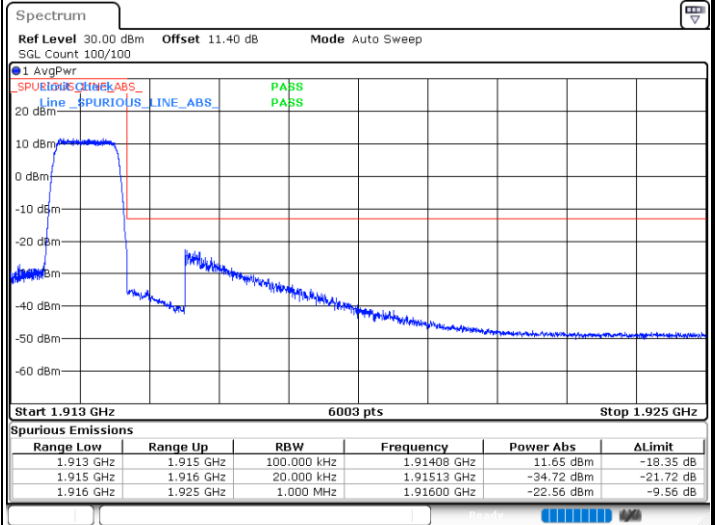
Date: 19.JAN.2022 00:01:57

Lowest Band Edge / Full RB



Date: 18.JAN.2022 23:56:49

Highest Band Edge / Full RB

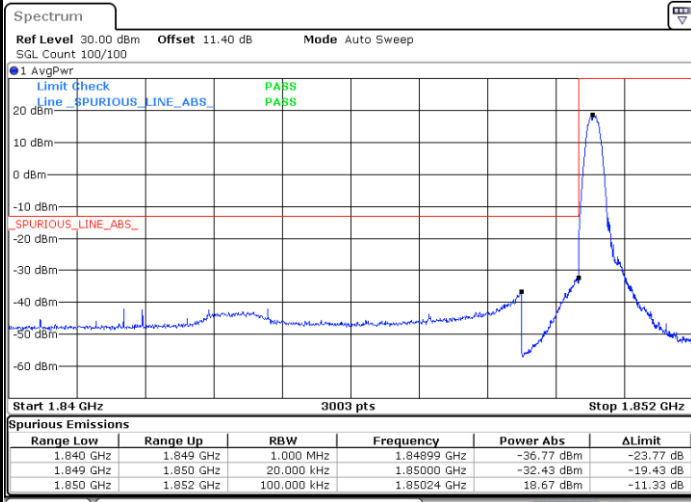


Date: 19.JAN.2022 00:01:17



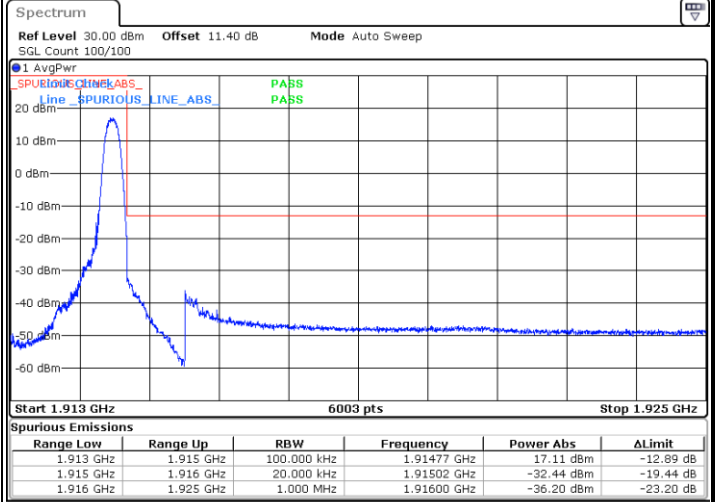
LTE Band 25 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



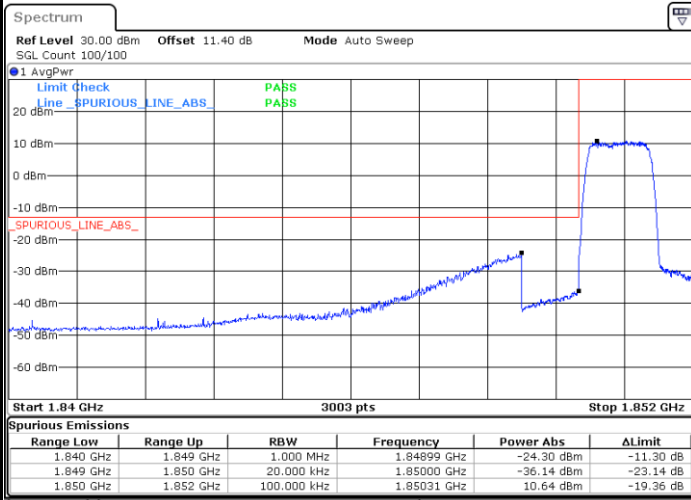
Date: 19.JAN.2022 00:04:09

Highest Band Edge / 1 RB



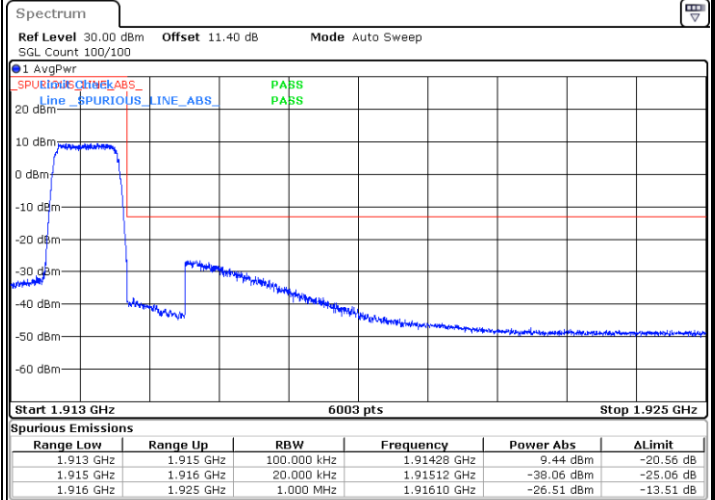
Date: 19.JAN.2022 00:06:52

Lowest Band Edge / Full RB



Date: 19.JAN.2022 00:04:49

Highest Band Edge / Full RB



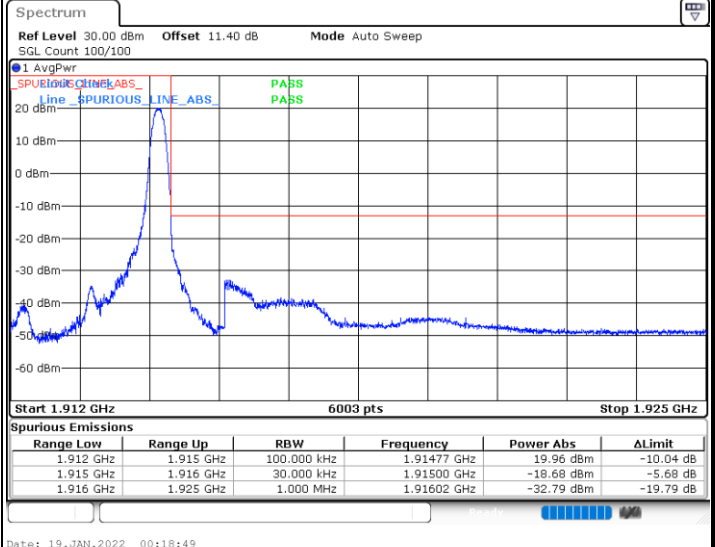
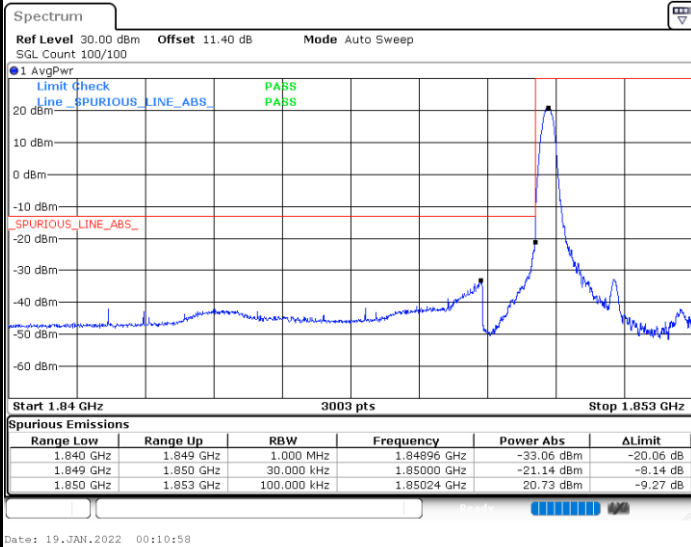
Date: 19.JAN.2022 00:06:12



LTE Band 25 / 3MHz / QPSK

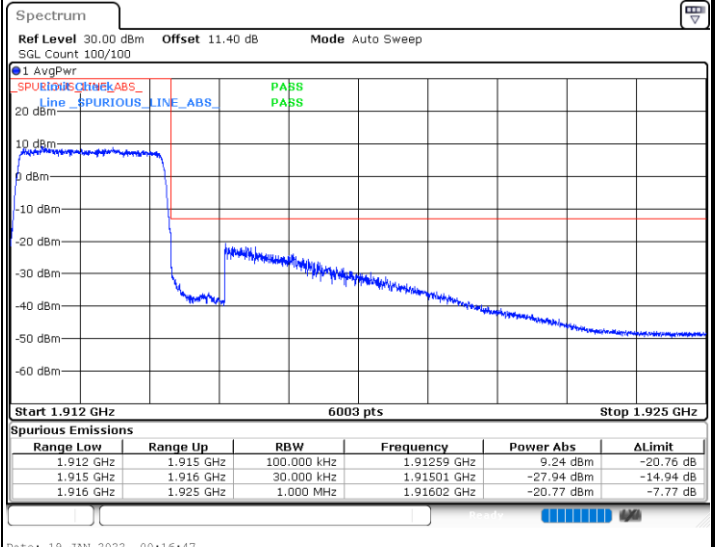
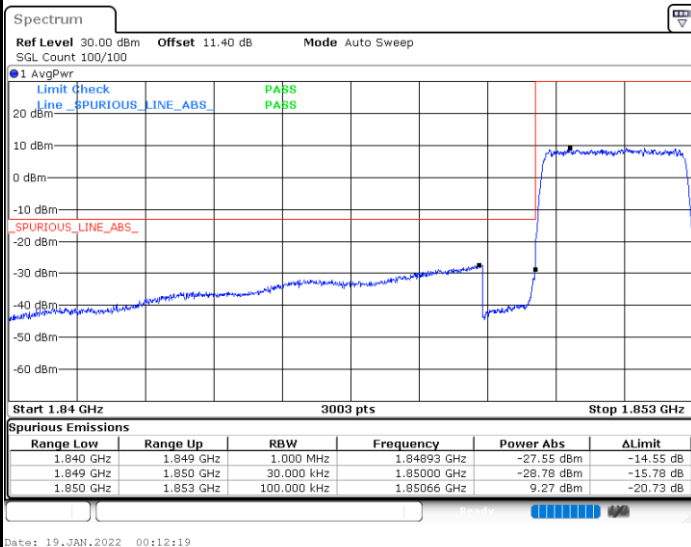
Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

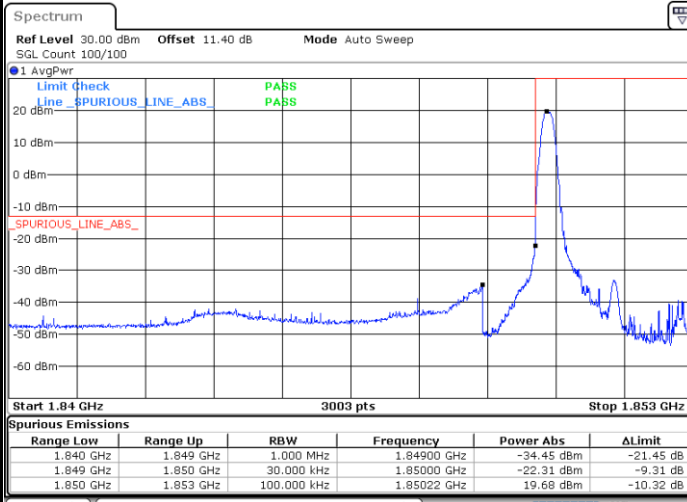
Highest Band Edge / Full RB





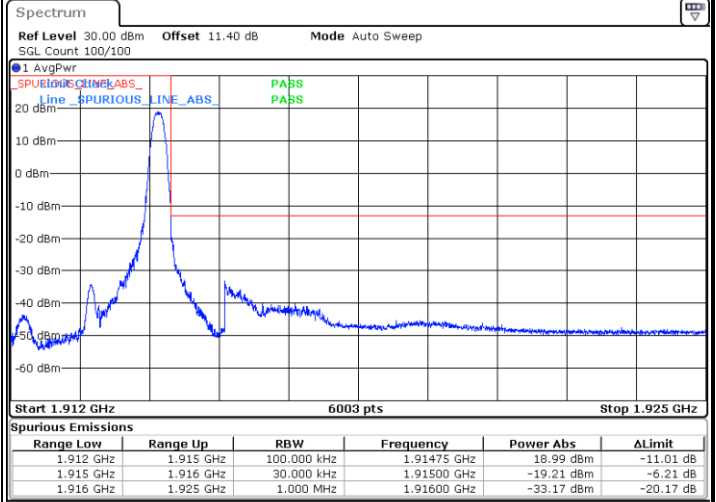
LTE Band 25 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



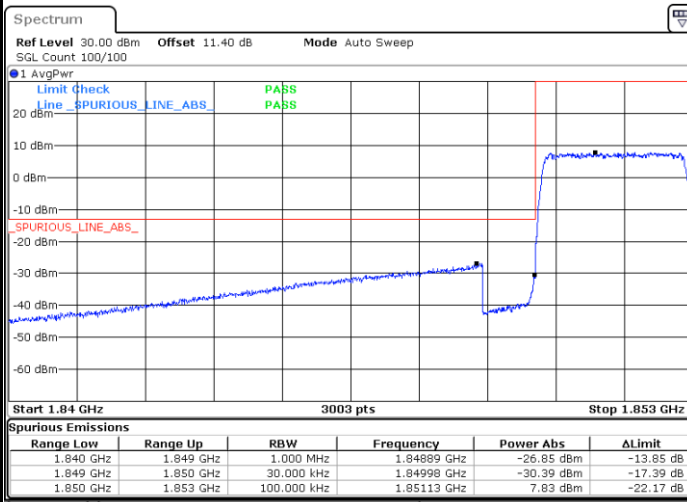
Date: 19.JAN.2022 00:11:38

Highest Band Edge / 1 RB



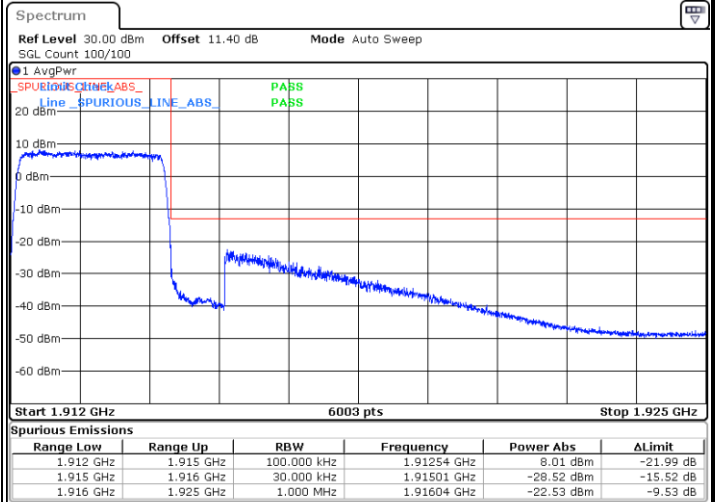
Date: 19.JAN.2022 00:18:08

Lowest Band Edge / Full RB



Date: 19.JAN.2022 00:13:00

Highest Band Edge / Full RB

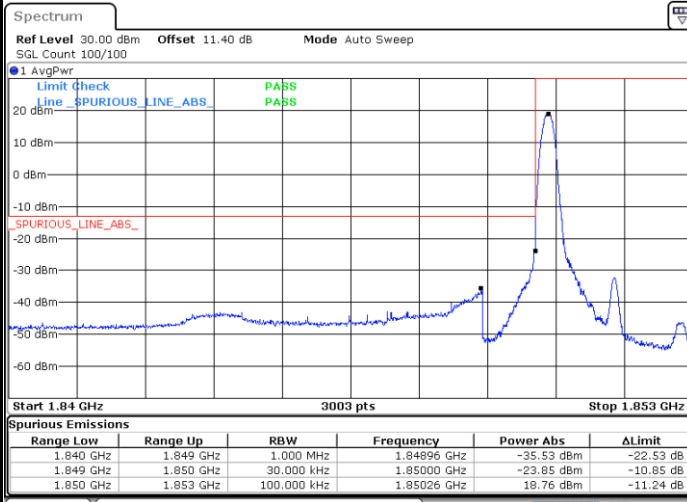


Date: 19.JAN.2022 00:17:27

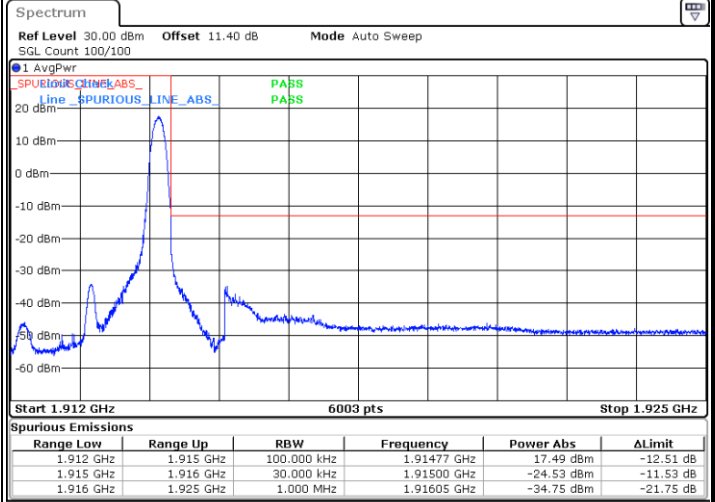


LTE Band 25 / 3MHz / 64QAM

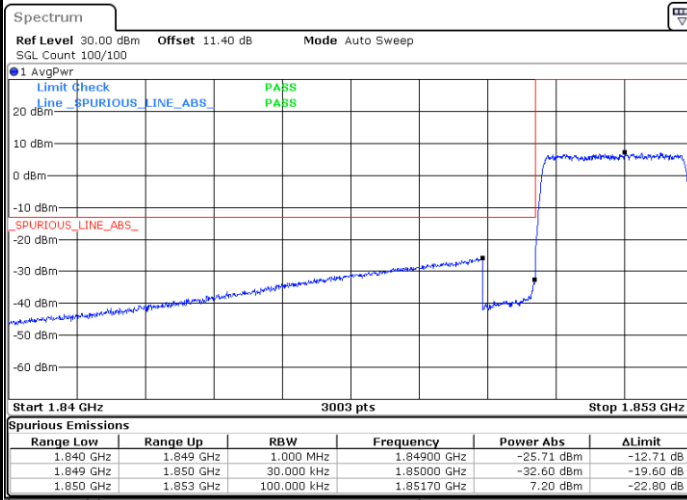
Lowest Band Edge / 1 RB



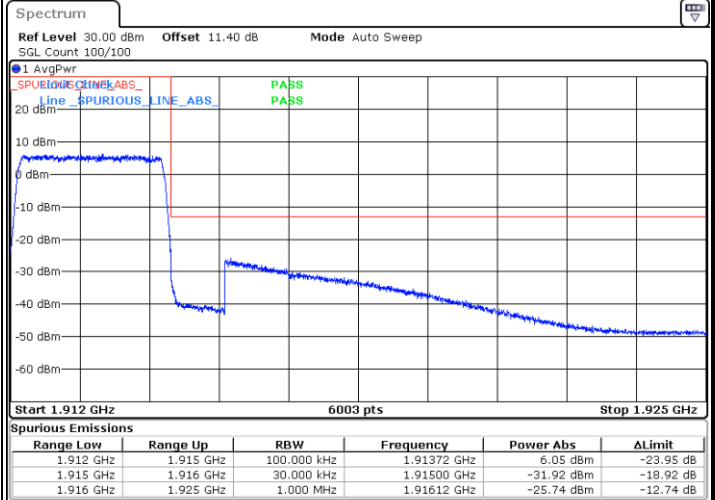
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



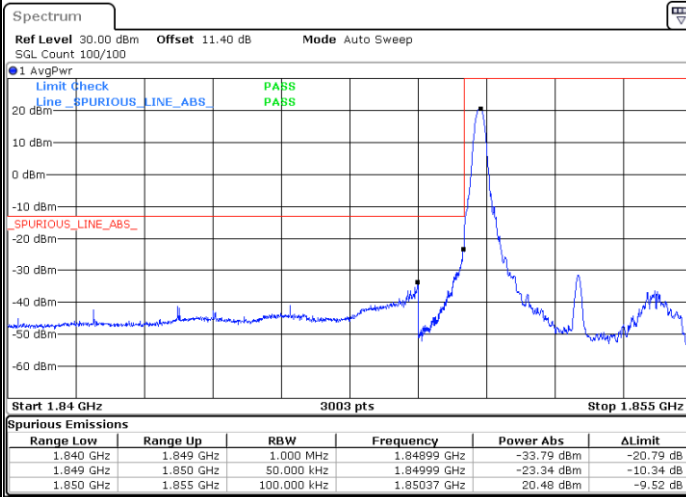
Highest Band Edge / Full RB





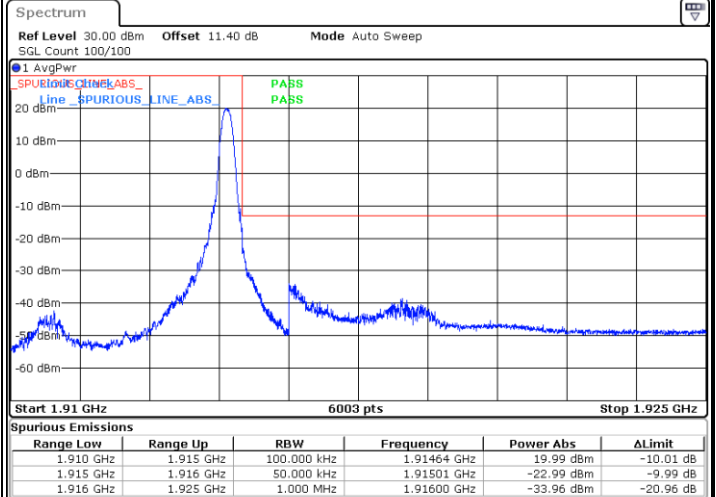
LTE Band 25 / 5MHz / QPSK

Lowest Band Edge / 1 RB



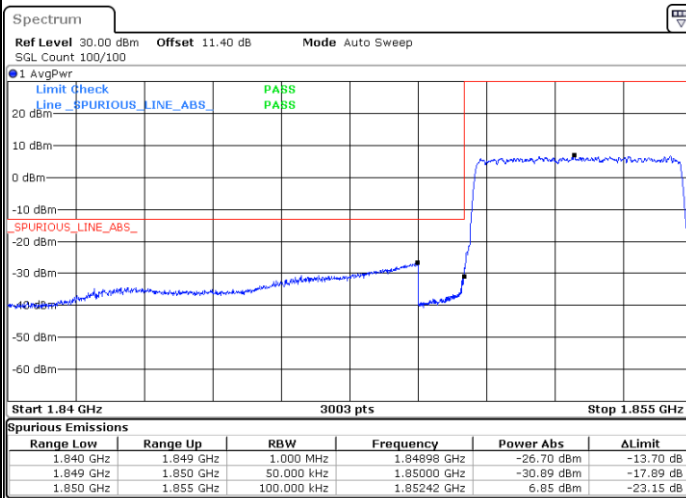
Date: 19.JAN.2022 00:20:20

Highest Band Edge / 1 RB



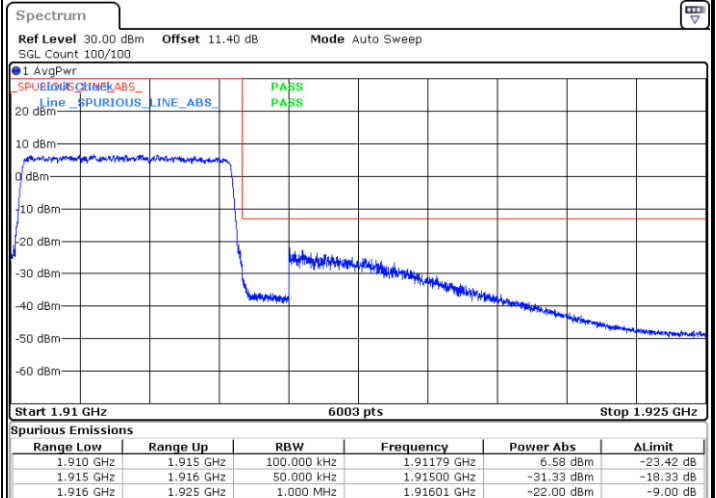
Date: 19.JAN.2022 00:28:12

Lowest Band Edge / Full RB



Date: 19.JAN.2022 00:21:42

Highest Band Edge / Full RB

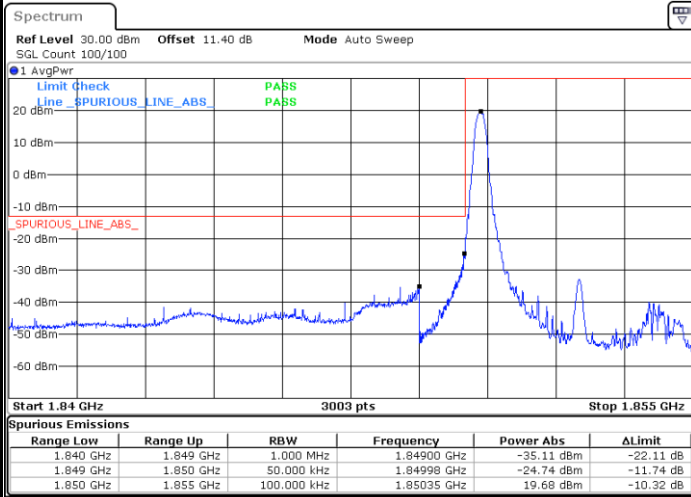


Date: 19.JAN.2022 00:26:10



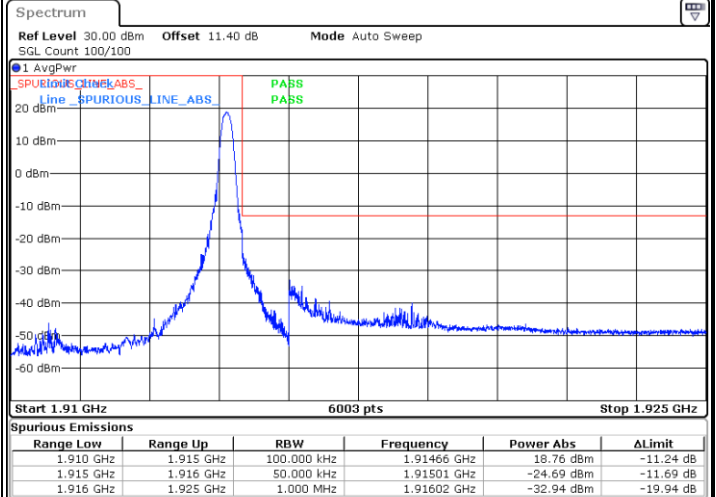
LTE Band 25 / 5MHz / 16QAM

Lowest Band Edge / 1RB



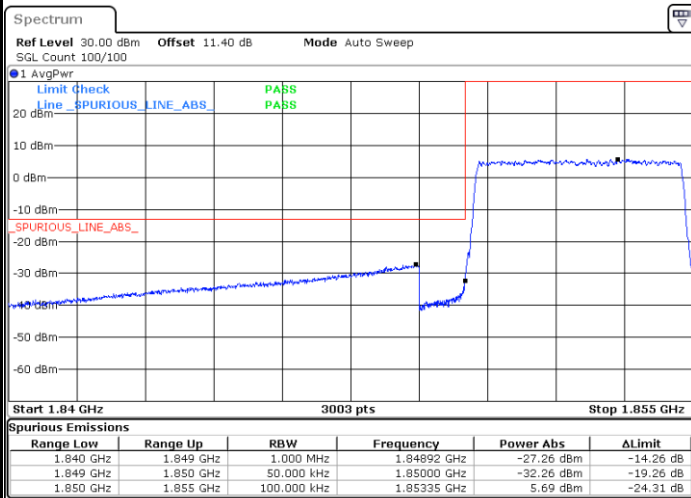
Date: 19.JAN.2022 00:21:01

Highest Band Edge / 1 RB



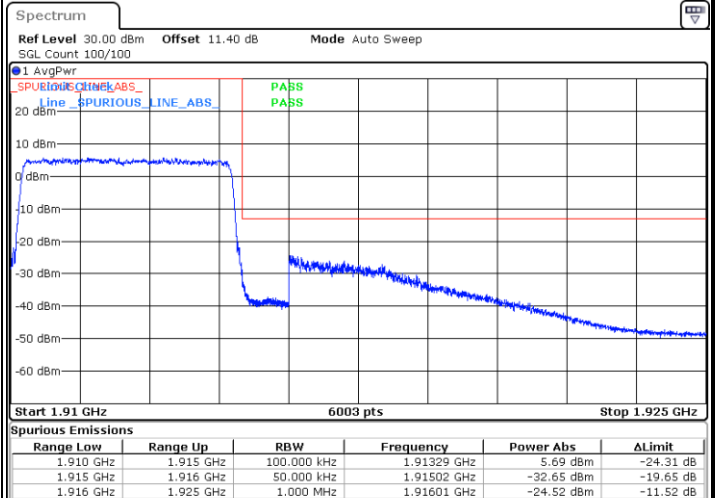
Date: 19.JAN.2022 00:27:32

Lowest Band Edge / Full RB



Date: 19.JAN.2022 00:22:22

Highest Band Edge / Full RB



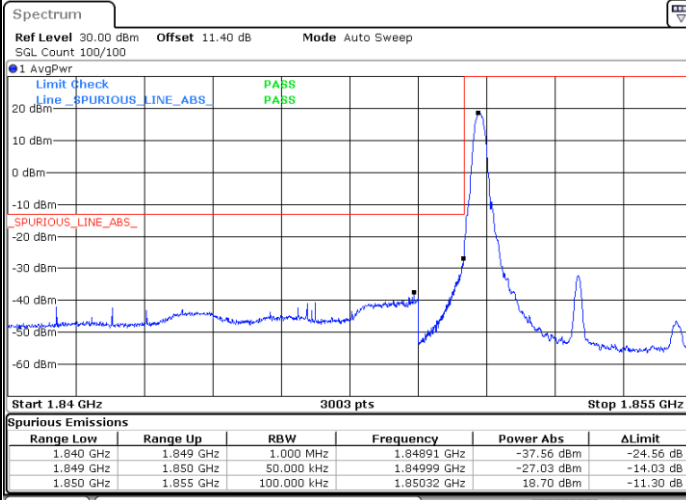
Date: 19.JAN.2022 00:26:51





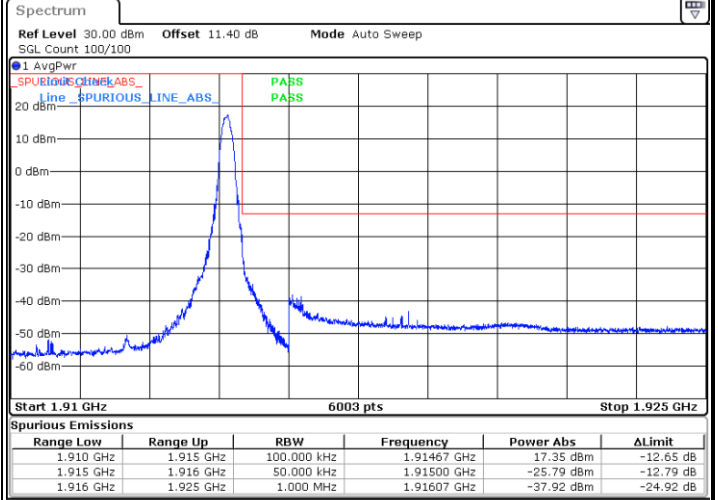
LTE Band 25 / 5MHz / 64QAM

Lowest Band Edge / 1RB



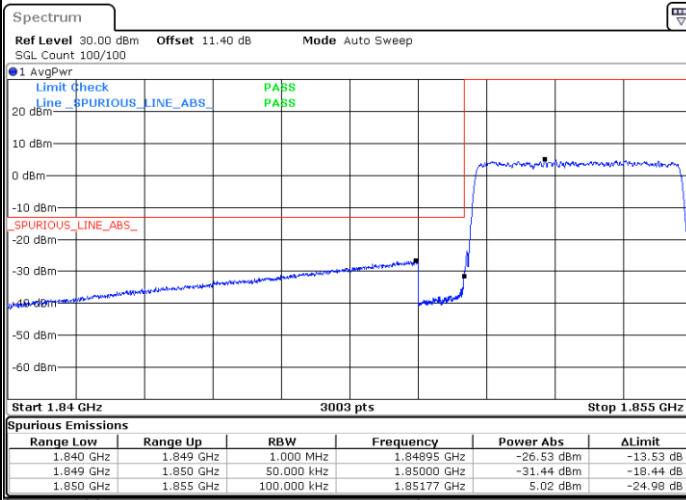
Date: 19.JAN.2022 00:29:44

Highest Band Edge / 1 RB



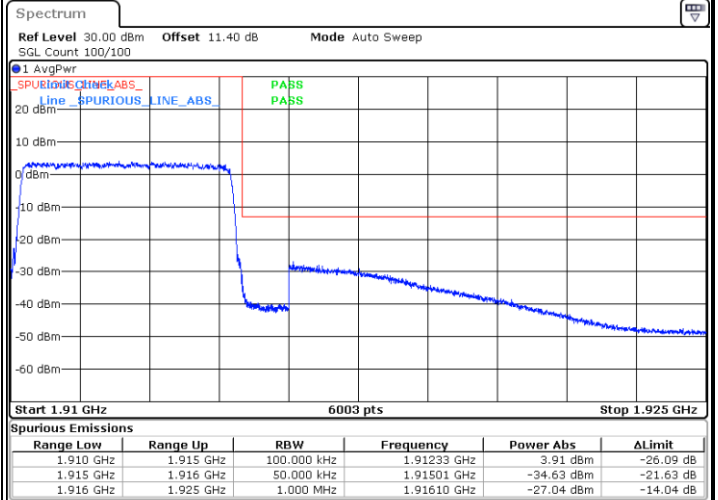
Date: 19.JAN.2022 00:32:28

Lowest Band Edge / Full RB



Date: 19.JAN.2022 00:30:25

Highest Band Edge / Full RB

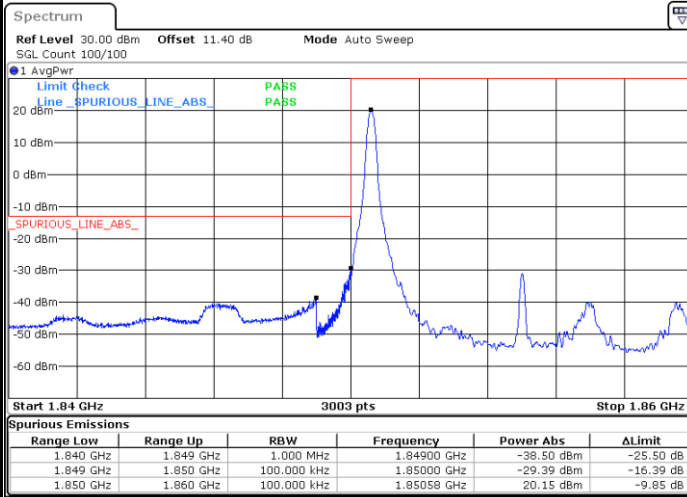


Date: 19.JAN.2022 00:31:48



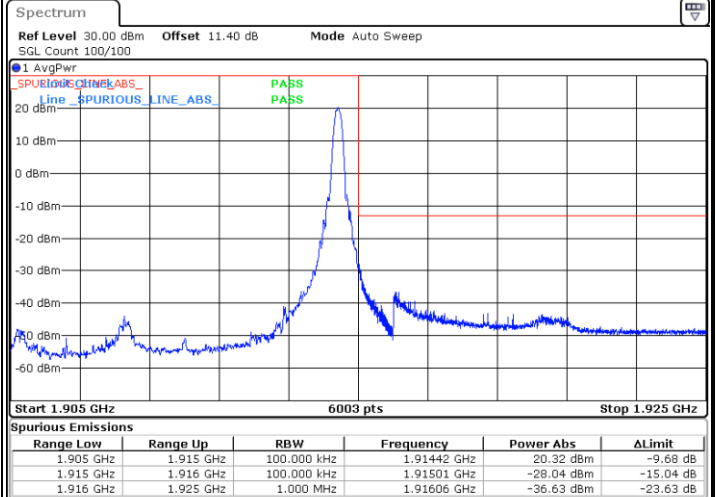
LTE Band 25 / 10MHz / QPSK

Lowest Band Edge / 1 RB



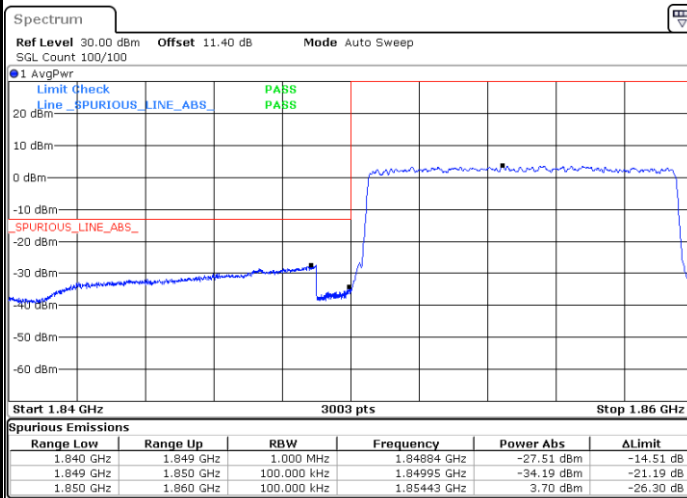
Date: 19.JAN.2022 00:33:10

Highest Band Edge / 1 RB



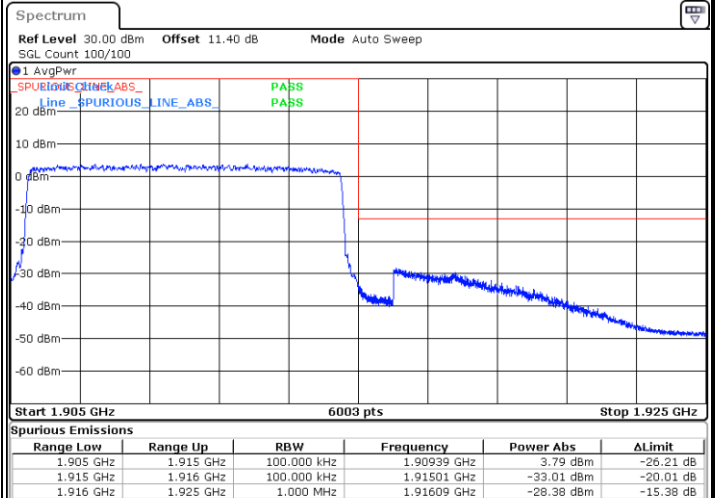
Date: 19.JAN.2022 00:45:47

Lowest Band Edge / Full RB



Date: 19.JAN.2022 00:34:31

Highest Band Edge / Full RB

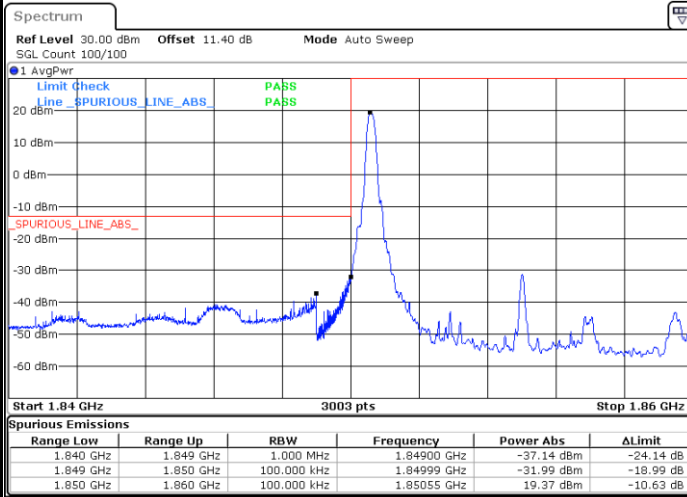


Date: 19.JAN.2022 00:43:45



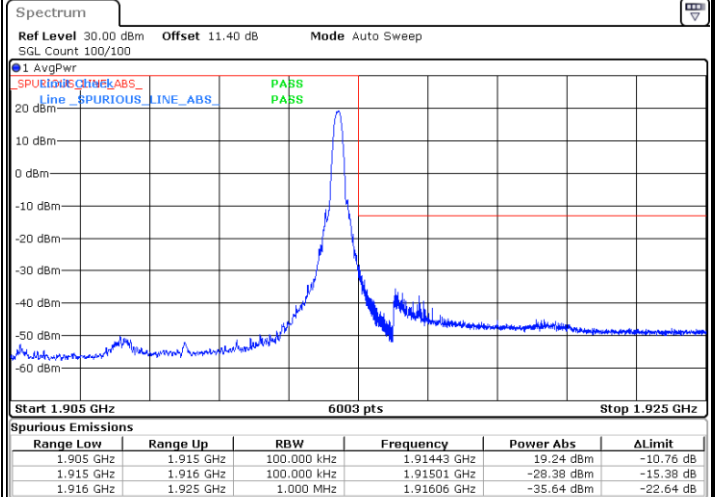
LTE Band 25 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



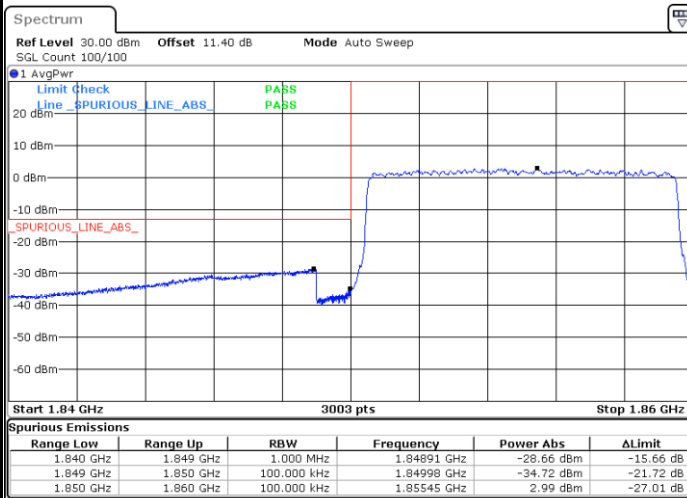
Date: 19.JAN.2022 00:33:50

Highest Band Edge / 1 RB



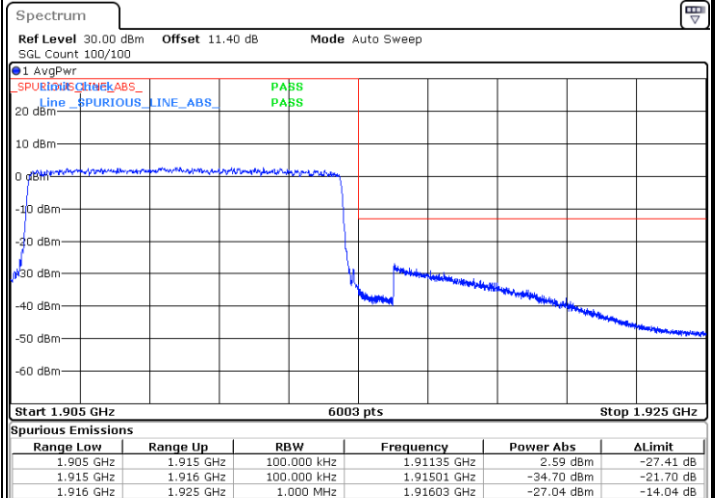
Date: 19.JAN.2022 00:45:06

Lowest Band Edge / Full RB



Date: 19.JAN.2022 00:35:11

Highest Band Edge / Full RB

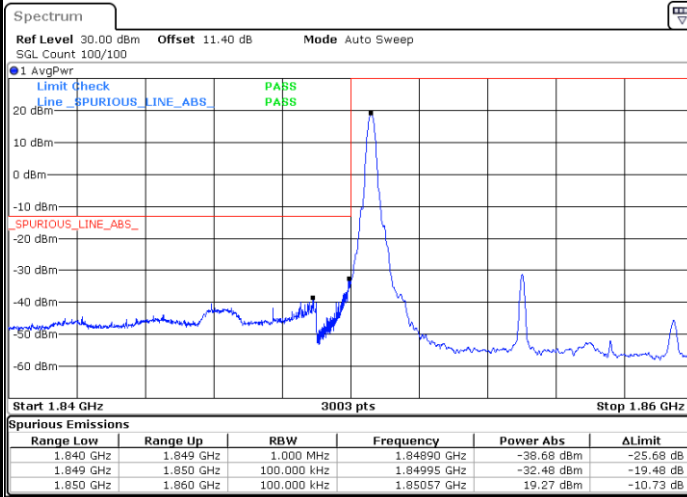


Date: 19.JAN.2022 00:44:26



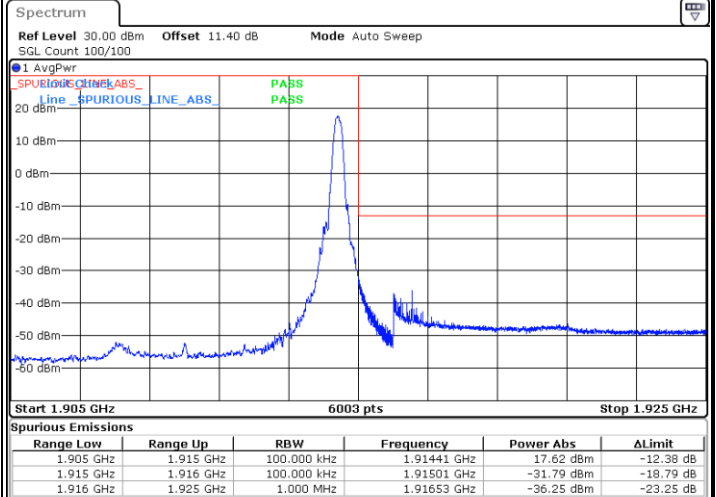
LTE Band 25 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



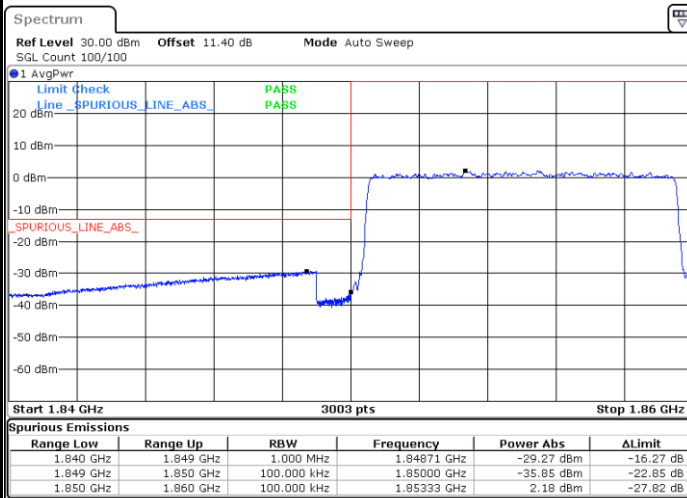
Date: 19.JAN.2022 00:47:18

Highest Band Edge / 1 RB



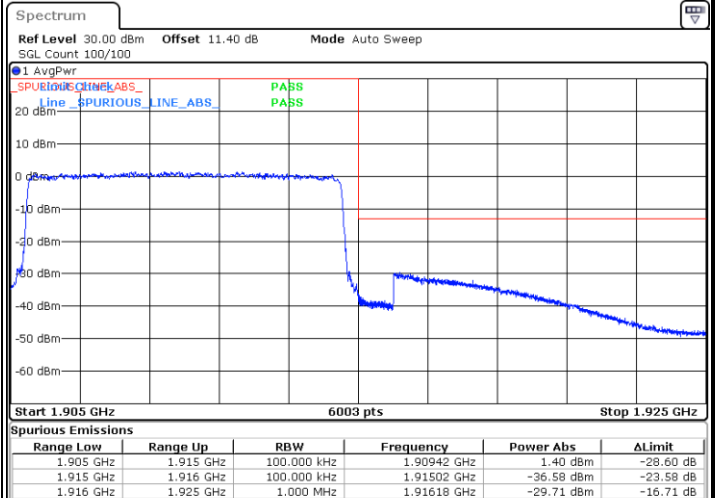
Date: 19.JAN.2022 00:50:02

Lowest Band Edge / Full RB



Date: 19.JAN.2022 00:47:59

Highest Band Edge / Full RB

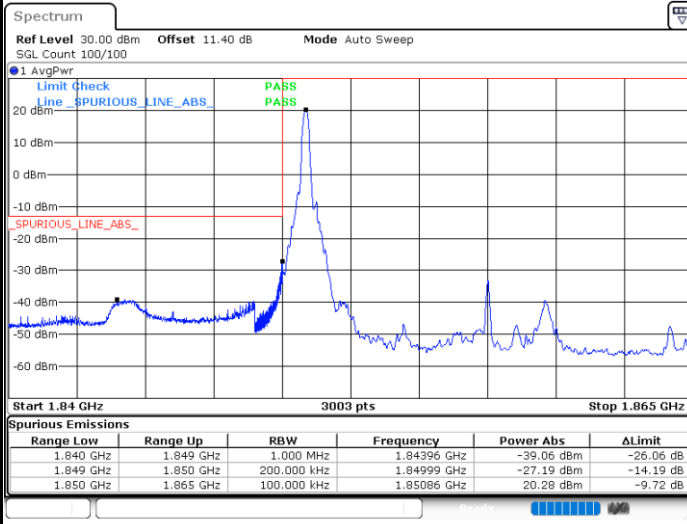


Date: 19.JAN.2022 00:49:21



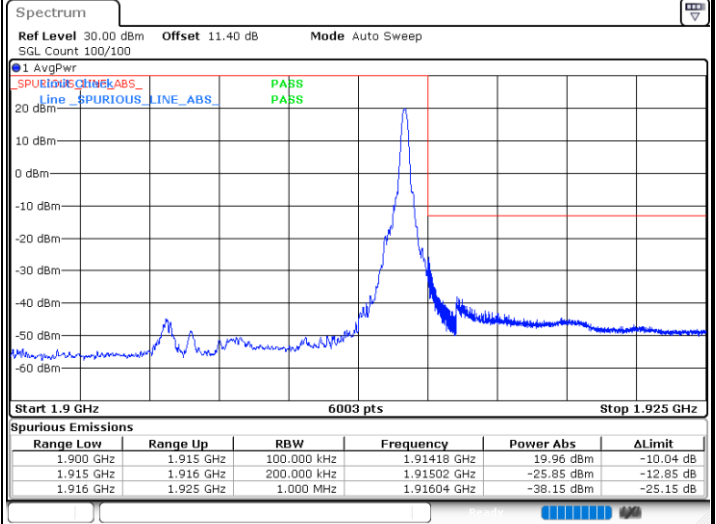
LTE Band 25 / 15MHz / QPSK

Lowest Band Edge / 1 RB



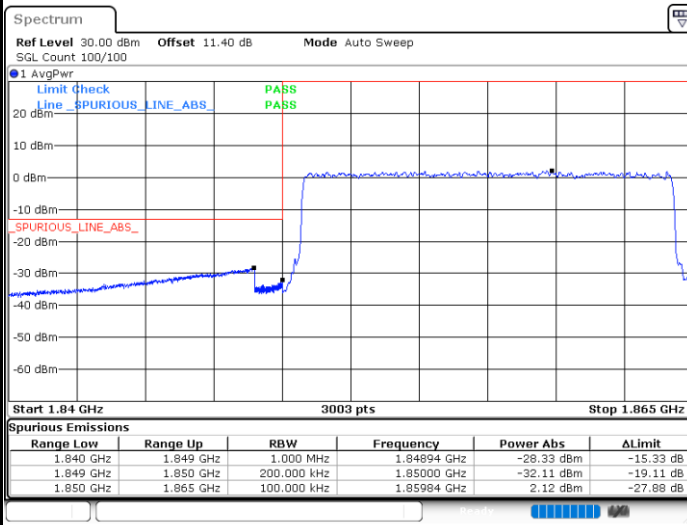
Date: 19.JAN.2022 00:54:08

Highest Band Edge / 1 RB



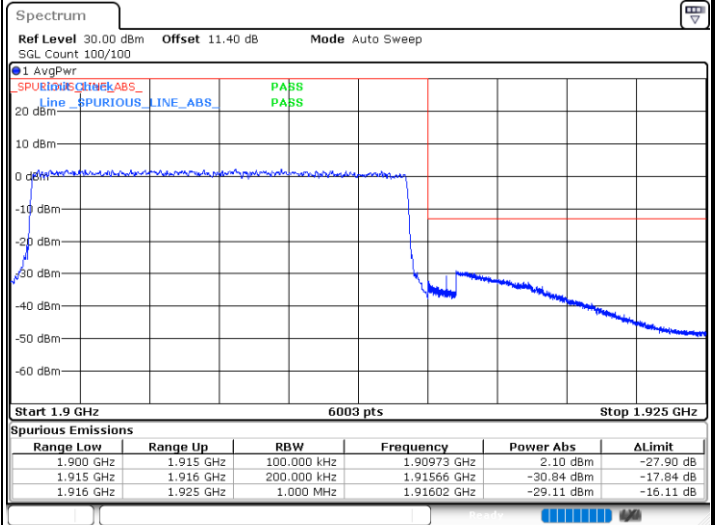
Date: 19.JAN.2022 01:04:59

Lowest Band Edge / Full RB



Date: 19.JAN.2022 00:55:29

Highest Band Edge / Full RB

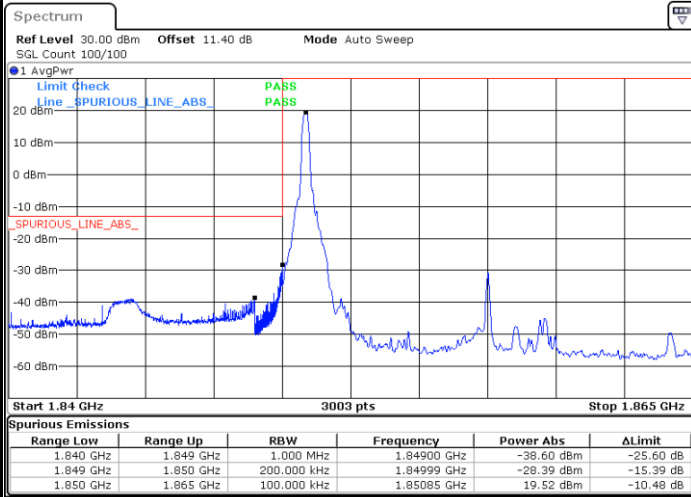


Date: 19.JAN.2022 01:02:58



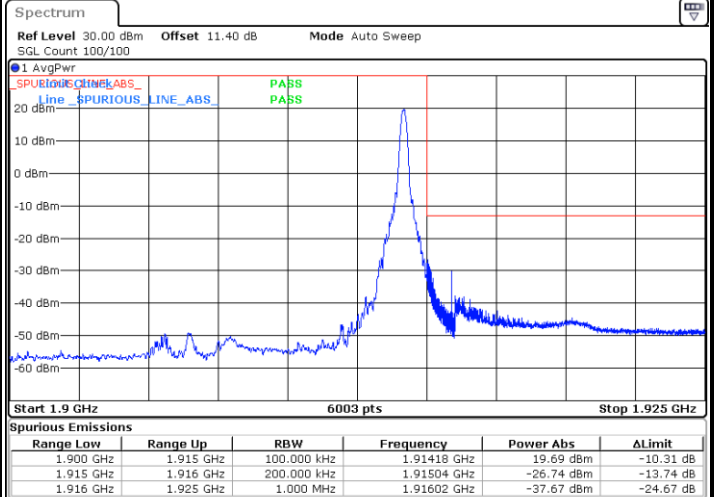
LTE Band 25 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



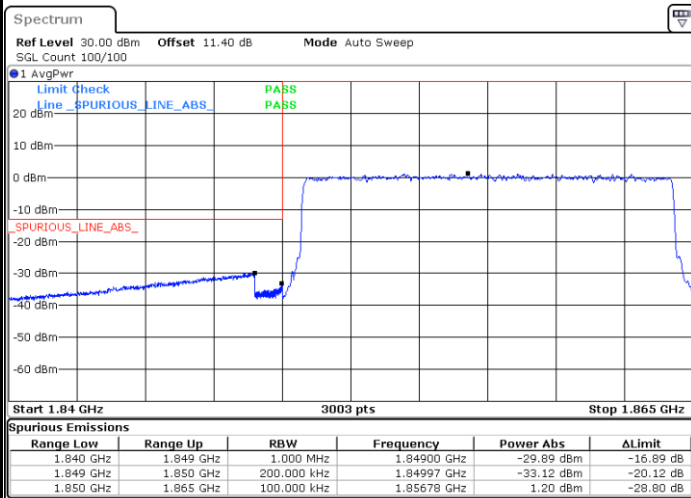
Date: 19.JAN.2022 00:54:49

Highest Band Edge / 1 RB



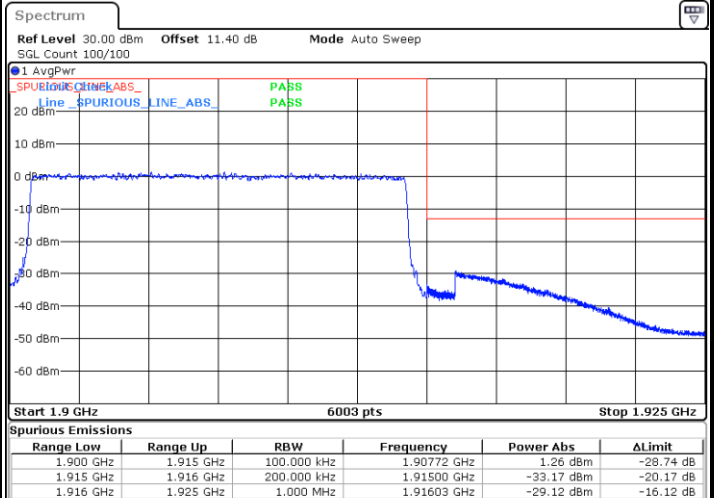
Date: 19.JAN.2022 01:04:19

Lowest Band Edge / Full RB



Date: 19.JAN.2022 00:59:09

Highest Band Edge / Full RB



Date: 19.JAN.2022 01:03:38