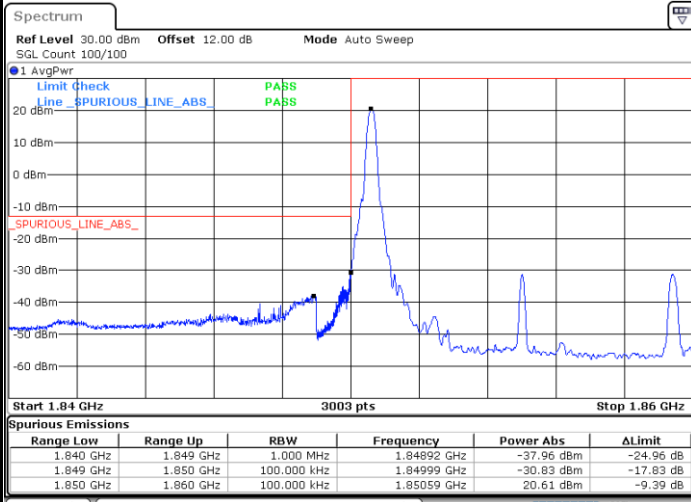




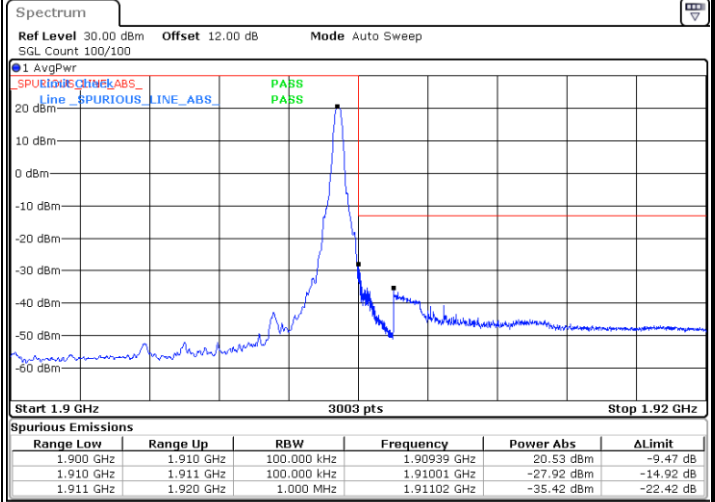
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB



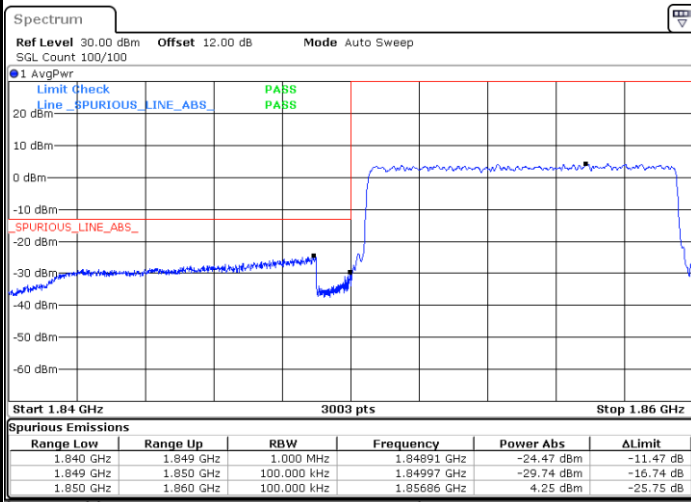
Date: 23.OCT.2021 00:15:31

Highest Band Edge / 1 RB



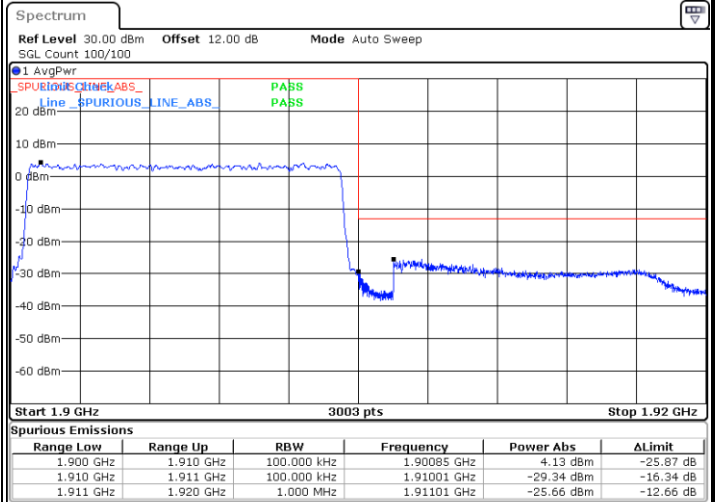
Date: 23.OCT.2021 00:25:32

Lowest Band Edge / Full RB



Date: 23.OCT.2021 00:17:47

Highest Band Edge / Full RB

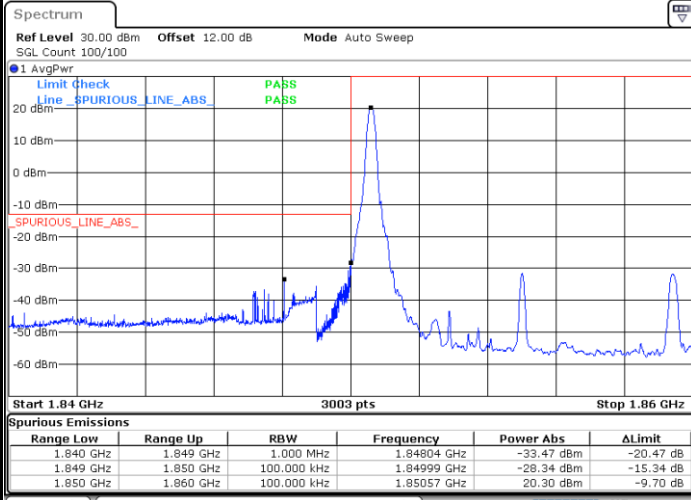


Date: 23.OCT.2021 00:27:49



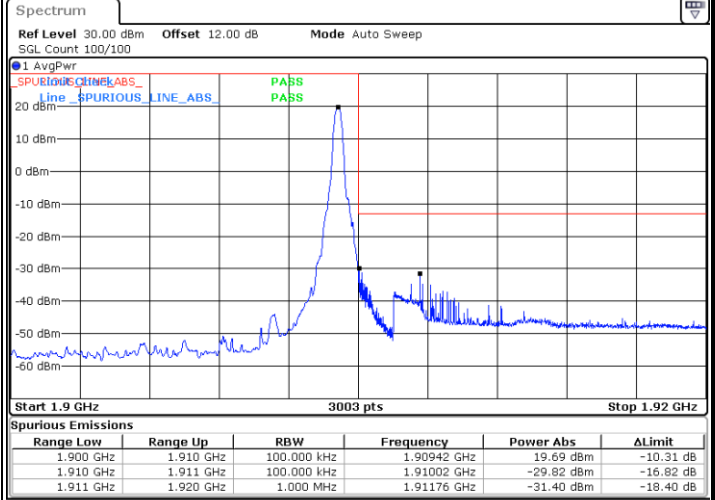
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



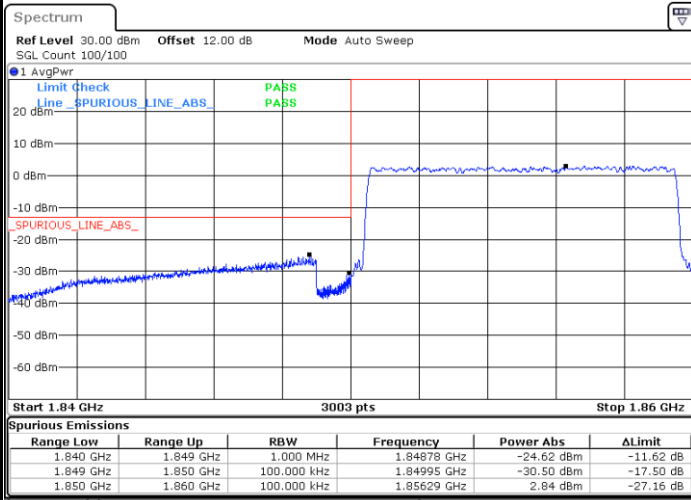
Date: 23.OCT.2021 00:16:39

Highest Band Edge / 1 RB



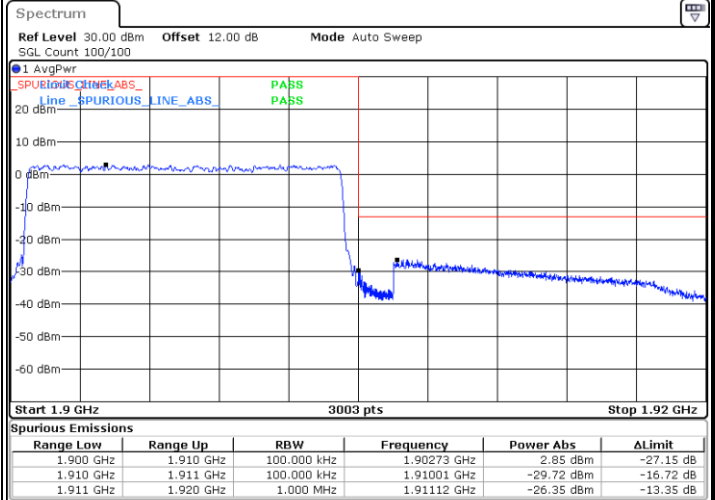
Date: 23.OCT.2021 00:26:40

Lowest Band Edge / Full RB



Date: 23.OCT.2021 00:18:55

Highest Band Edge / Full RB

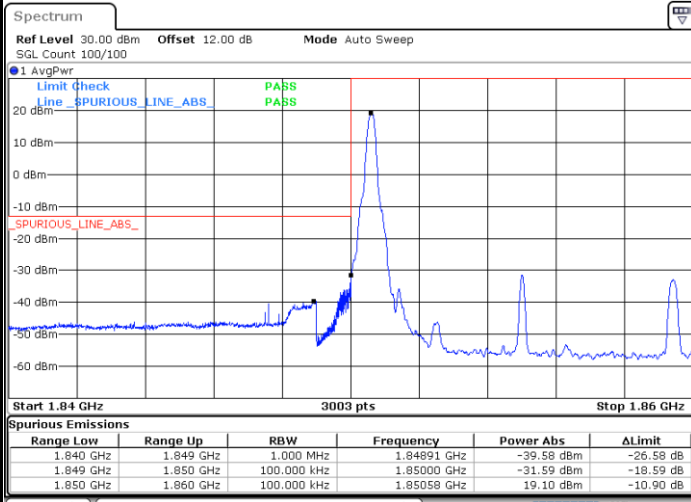


Date: 23.OCT.2021 00:28:57



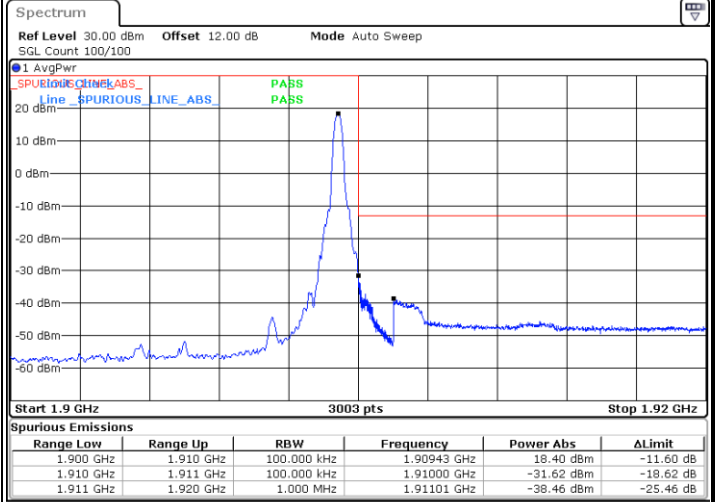
LTE Band 2 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



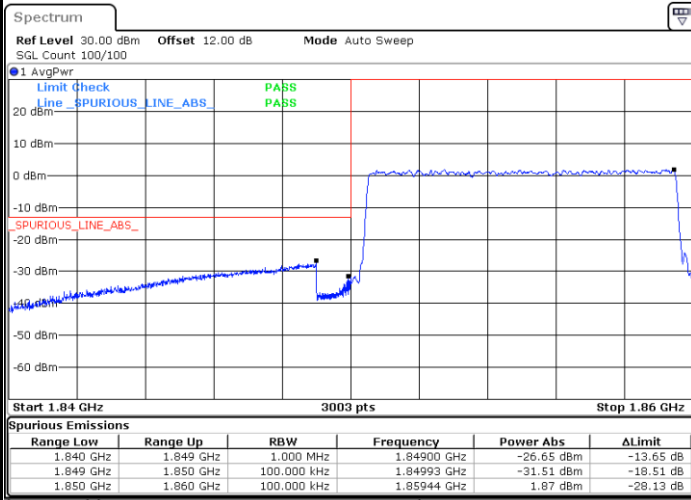
Date: 23.OCT.2021 01:14:31

Highest Band Edge / 1 RB



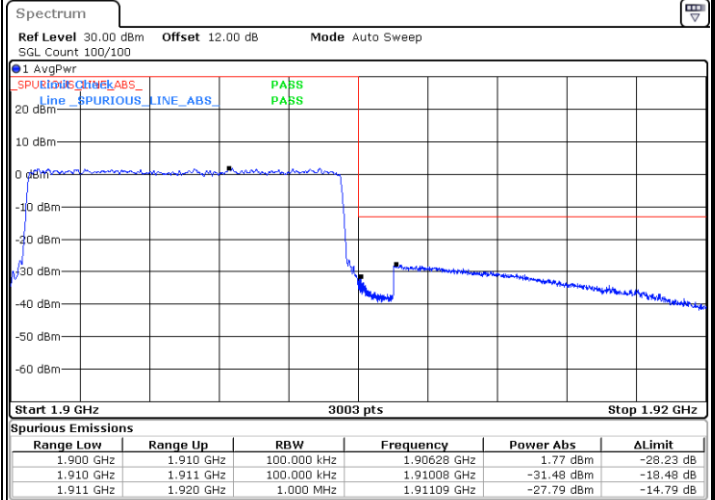
Date: 23.OCT.2021 01:17:41

Lowest Band Edge / Full RB



Date: 23.OCT.2021 01:15:40

Highest Band Edge / Full RB

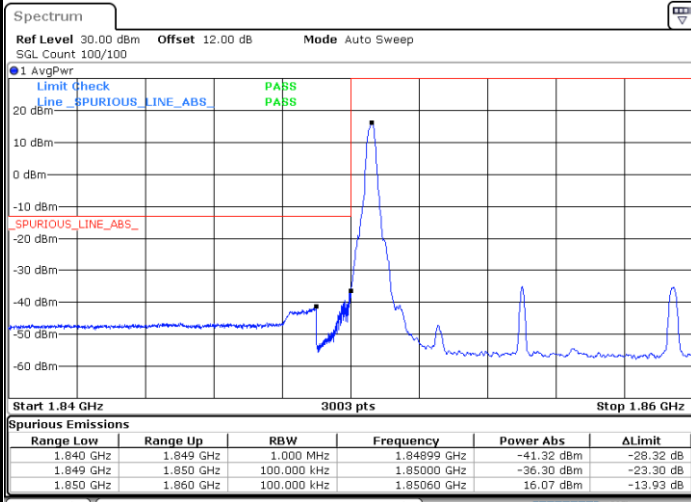


Date: 23.OCT.2021 01:18:49



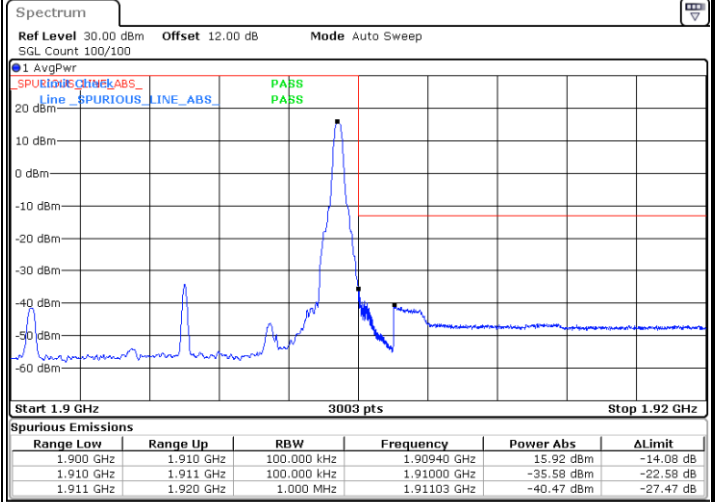
LTE Band 2 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



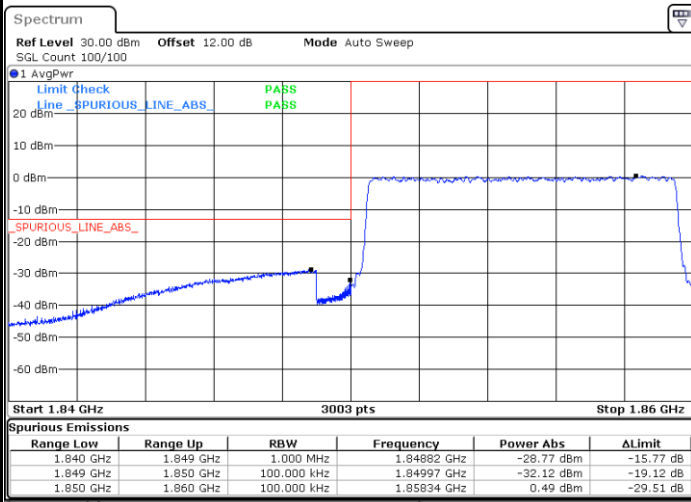
Date: 24.OCT.2021 16:13:56

Highest Band Edge / 1 RB



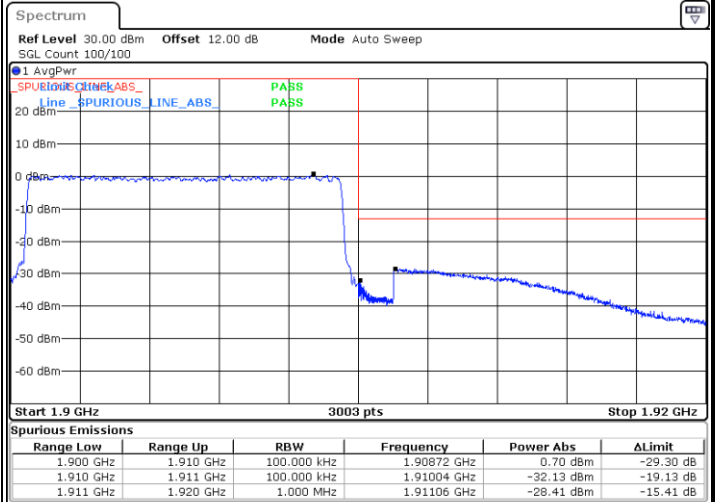
Date: 24.OCT.2021 16:16:52

Lowest Band Edge / Full RB



Date: 24.OCT.2021 16:14:39

Highest Band Edge / Full RB

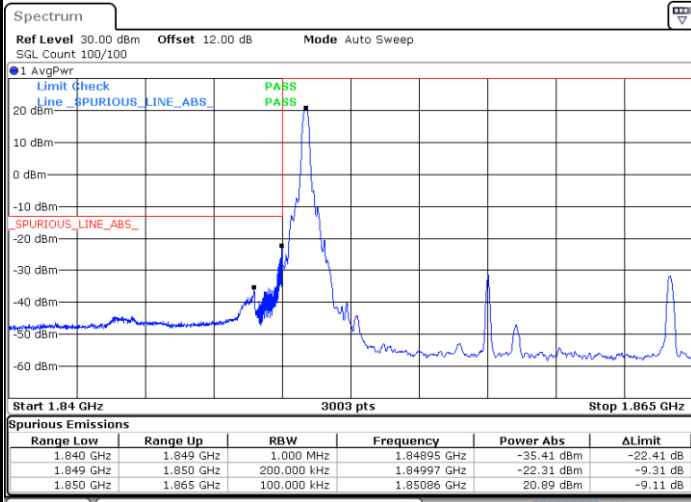


Date: 24.OCT.2021 16:17:35



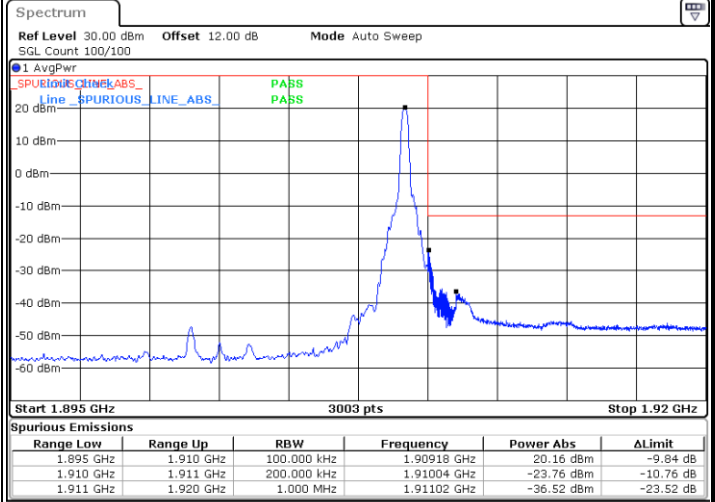
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



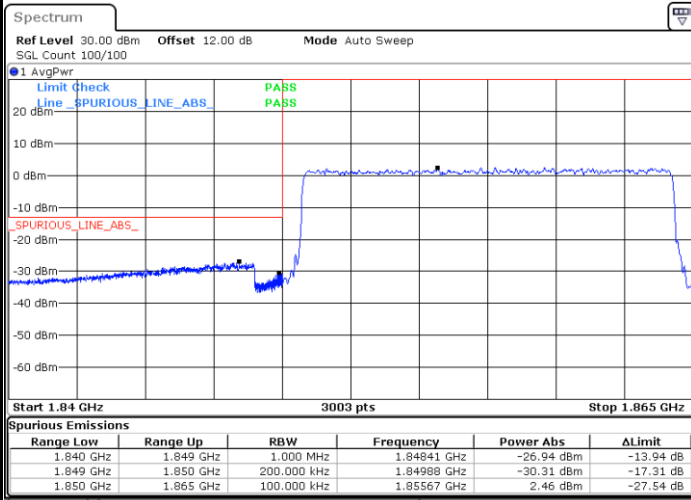
Date: 23.OCT.2021 00:31:33

Highest Band Edge / 1 RB



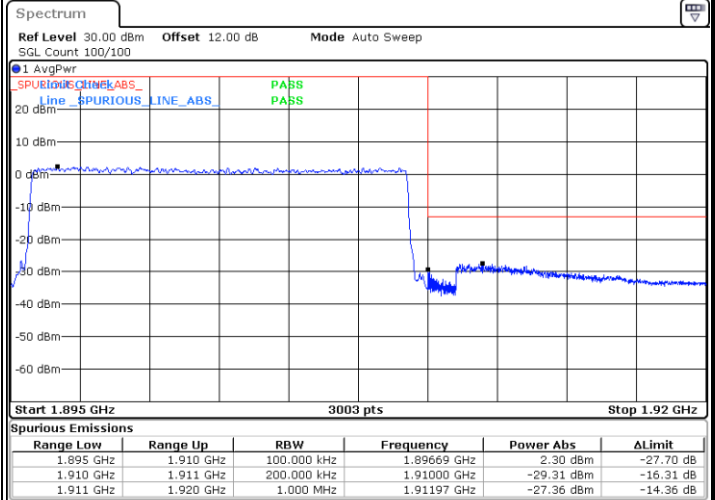
Date: 23.OCT.2021 00:41:35

Lowest Band Edge / Full RB



Date: 23.OCT.2021 00:33:50

Highest Band Edge / Full RB

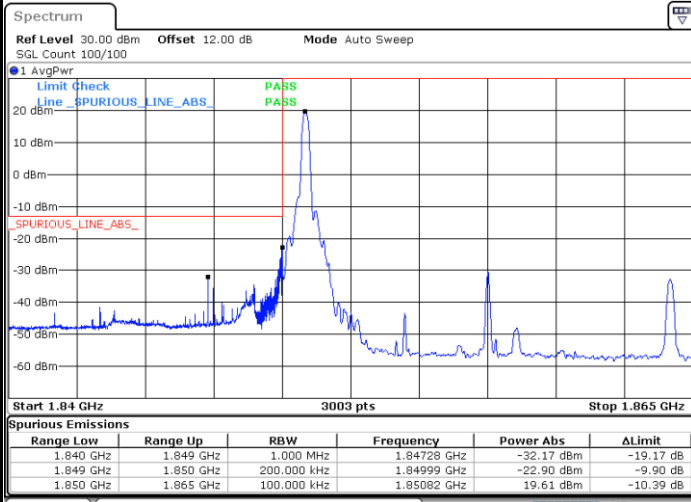


Date: 23.OCT.2021 00:43:51



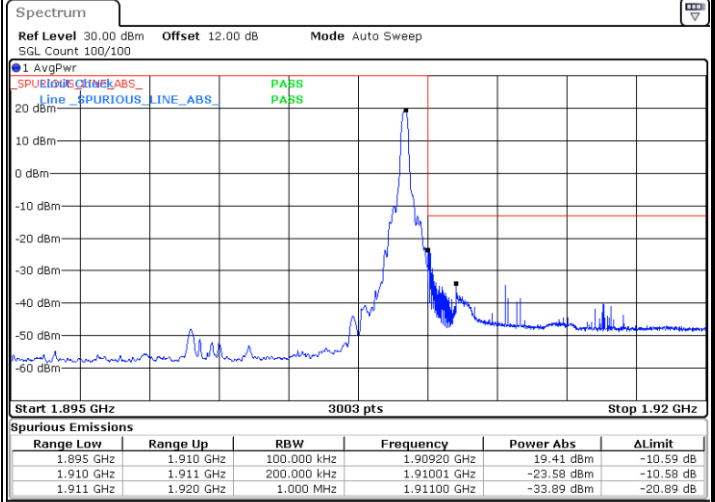
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



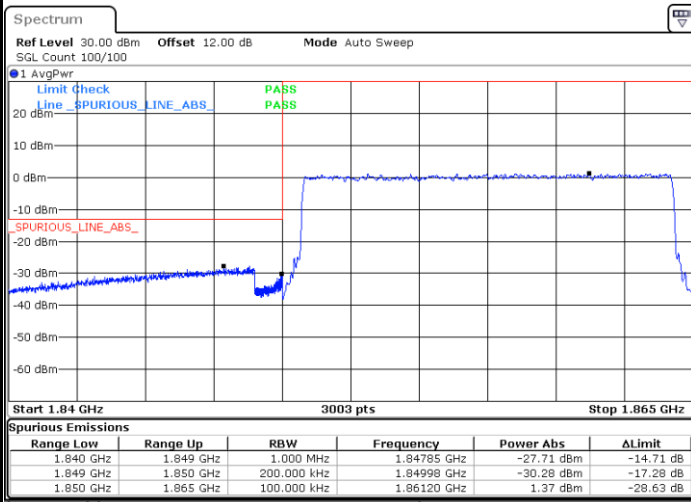
Date: 23.OCT.2021 00:32:42

Highest Band Edge / 1 RB



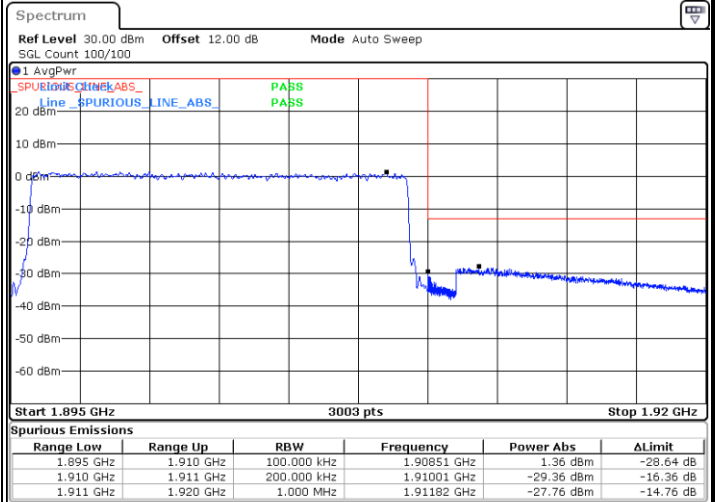
Date: 23.OCT.2021 00:42:43

Lowest Band Edge / Full RB



Date: 23.OCT.2021 00:34:58

Highest Band Edge / Full RB

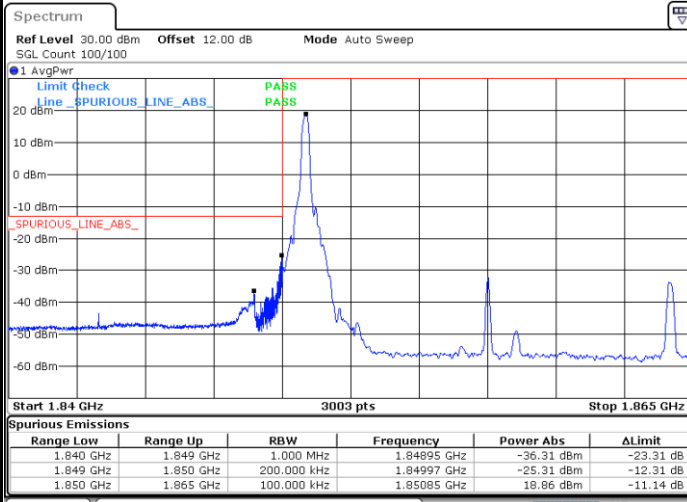


Date: 23.OCT.2021 00:45:00



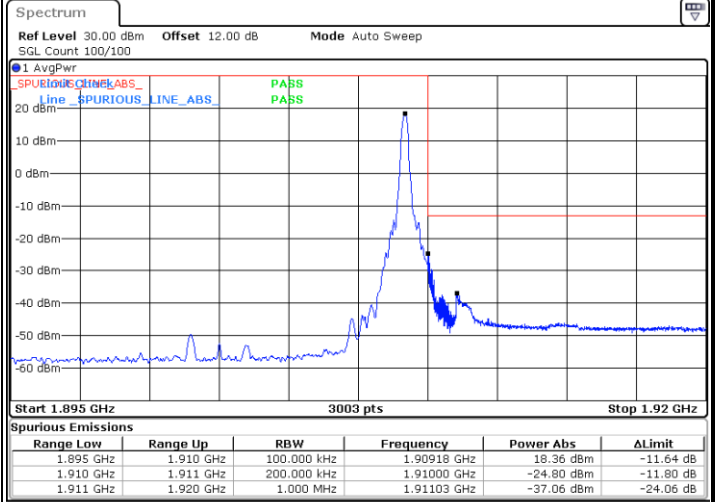
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



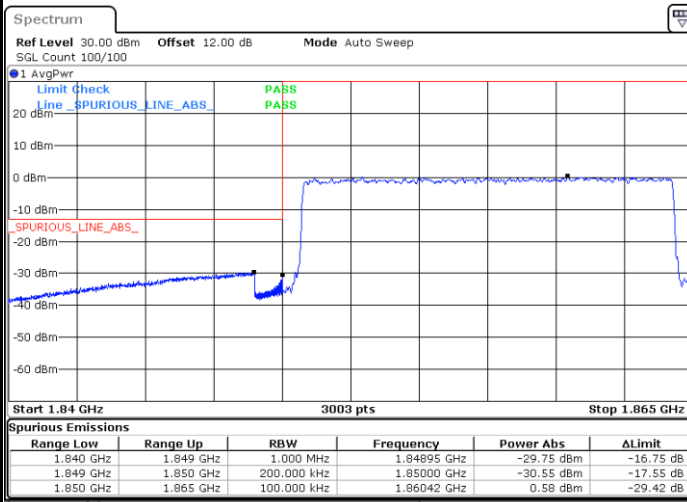
Date: 23.OCT.2021 01:19:58

Highest Band Edge / 1 RB



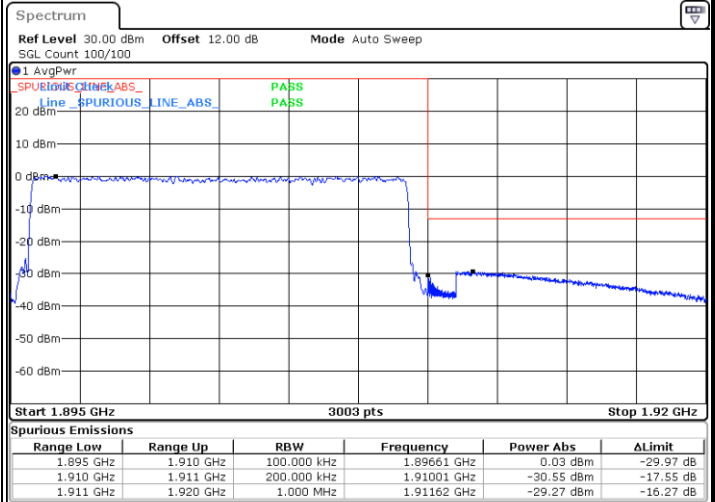
Date: 23.OCT.2021 01:23:07

Lowest Band Edge / Full RB



Date: 23.OCT.2021 01:21:06

Highest Band Edge / Full RB

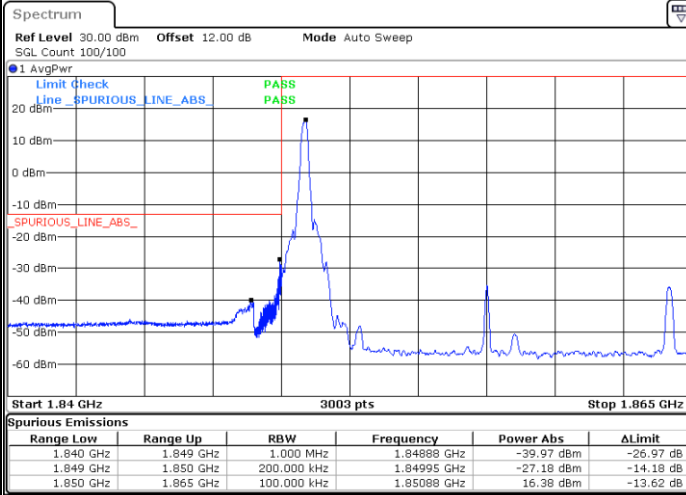


Date: 23.OCT.2021 01:24:15



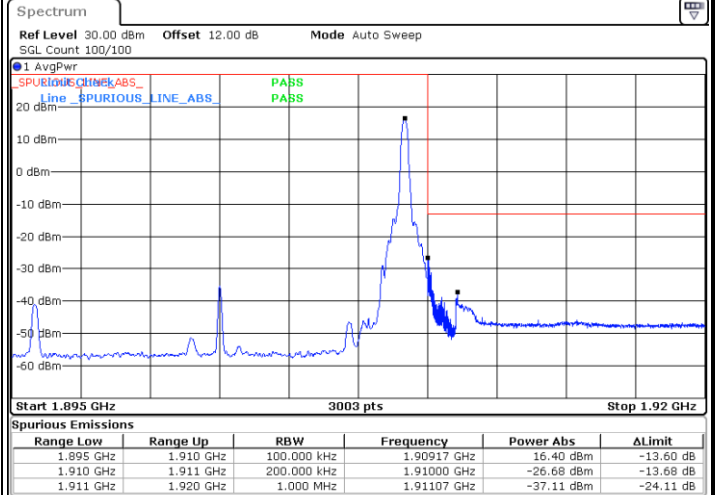
LTE Band 2 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



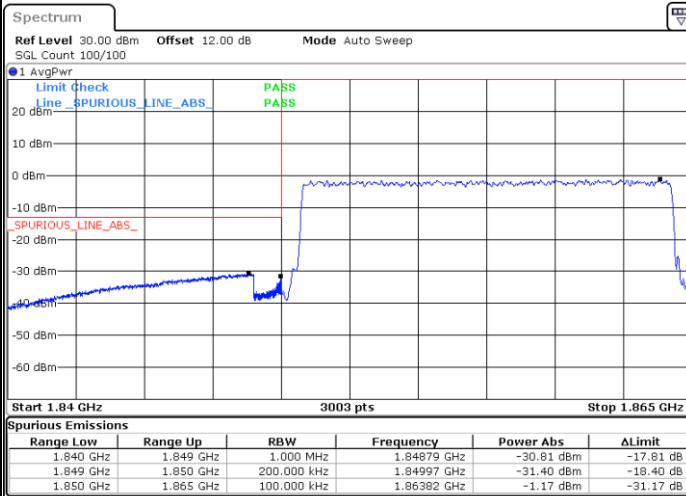
Date: 24.OCT.2021 16:19:37

Highest Band Edge / 1 RB



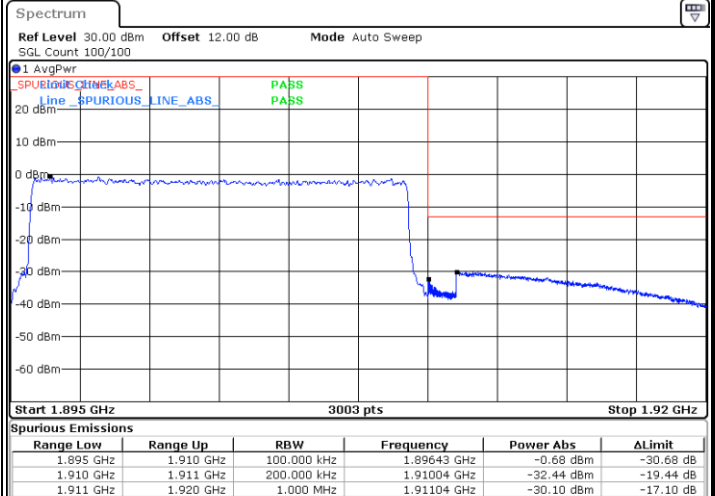
Date: 24.OCT.2021 16:22:35

Lowest Band Edge / Full RB



Date: 24.OCT.2021 16:20:20

Highest Band Edge / Full RB



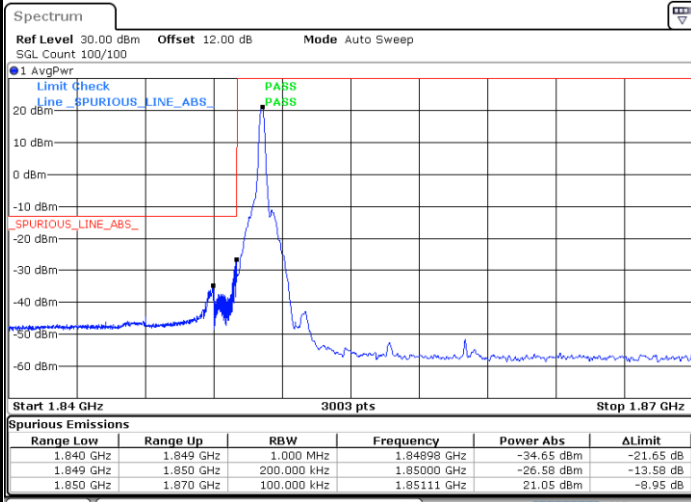
Date: 24.OCT.2021 16:23:50





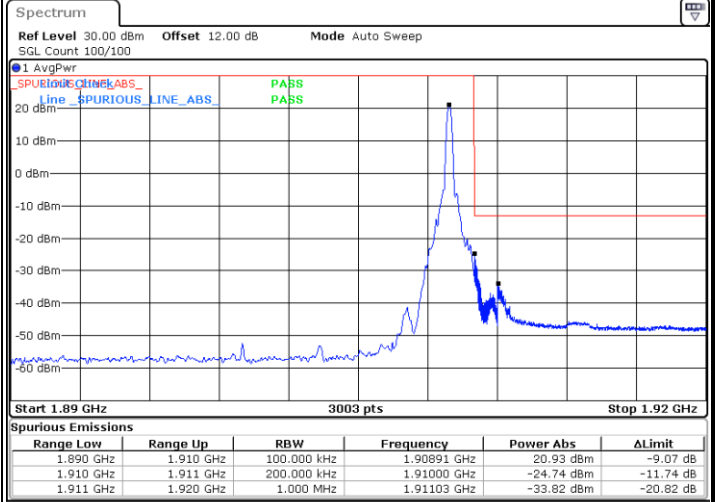
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



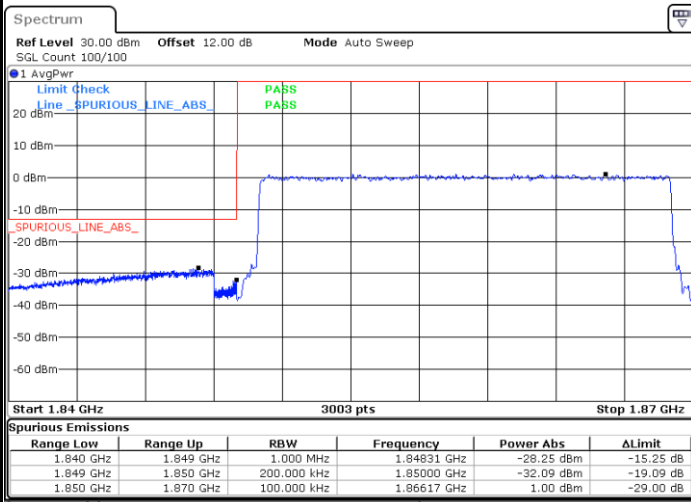
Date: 23.OCT.2021 00:47:36

Highest Band Edge / 1 RB



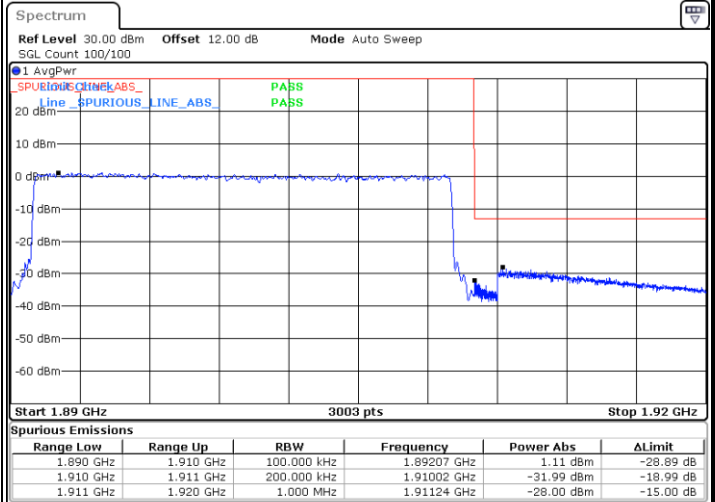
Date: 23.OCT.2021 00:57:38

Lowest Band Edge / Full RB



Date: 23.OCT.2021 00:49:53

Highest Band Edge / Full RB

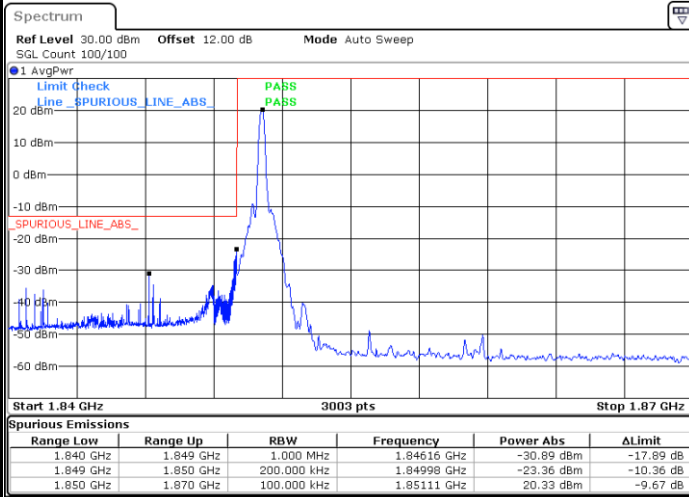


Date: 23.OCT.2021 00:59:54



LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



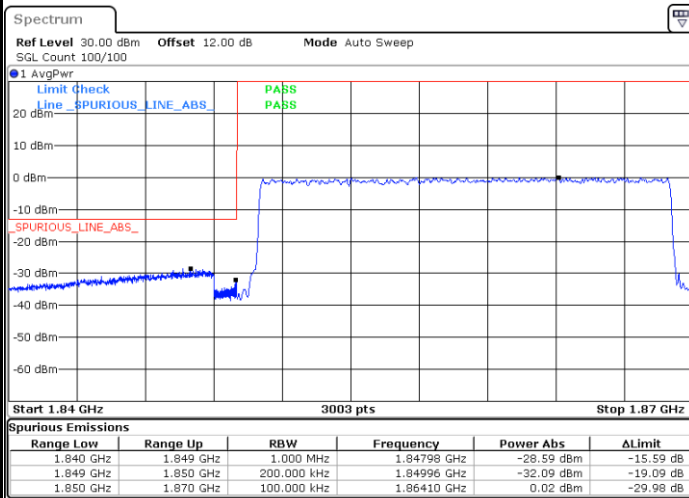
Date: 23.OCT.2021 00:48:44

Highest Band Edge / 1 RB



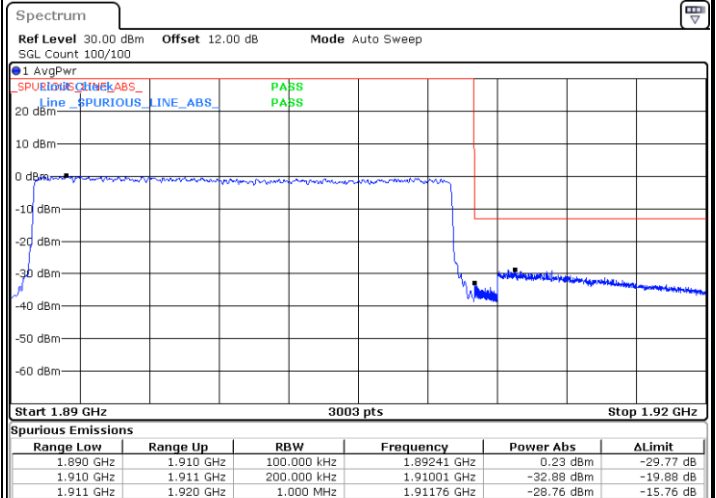
Date: 23.OCT.2021 00:58:46

Lowest Band Edge / Full RB



Date: 23.OCT.2021 00:51:01

Highest Band Edge / Full RB

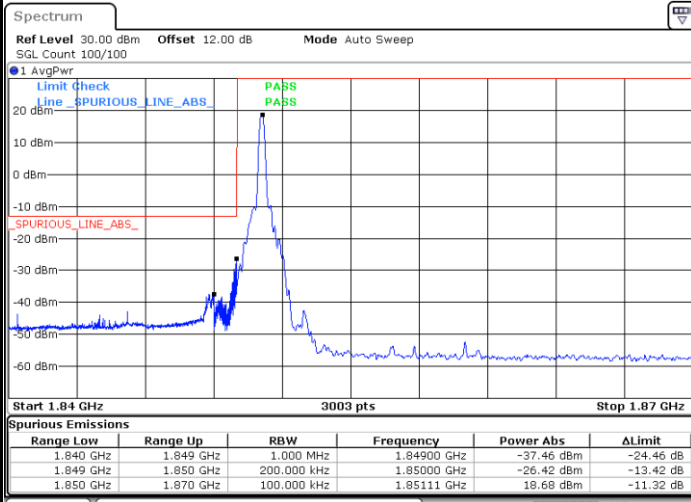


Date: 23.OCT.2021 01:01:02



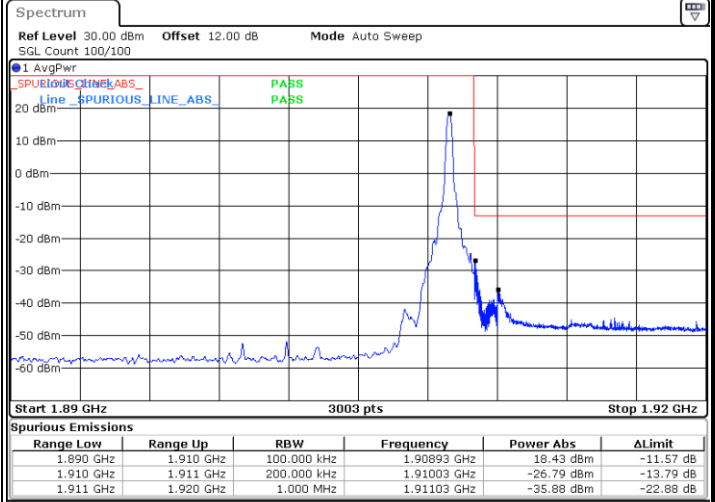
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



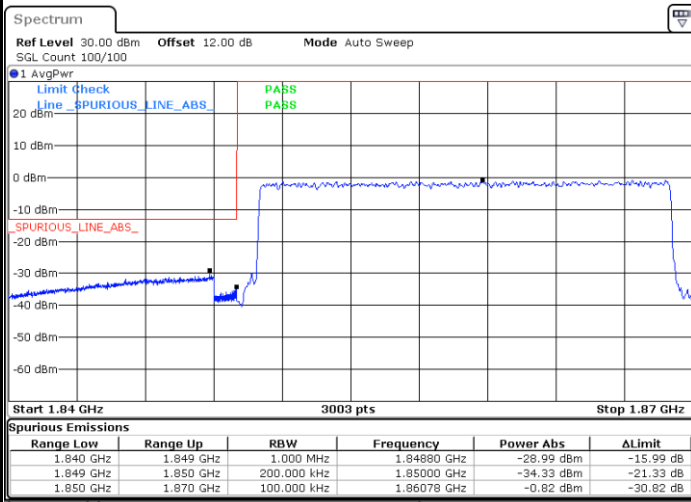
Date: 23.OCT.2021 01:25:24

Highest Band Edge / 1 RB



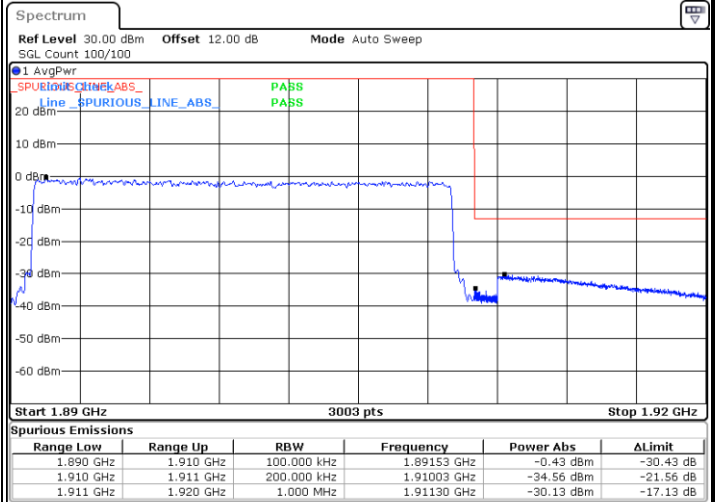
Date: 23.OCT.2021 01:28:33

Lowest Band Edge / Full RB



Date: 23.OCT.2021 01:26:32

Highest Band Edge / Full RB

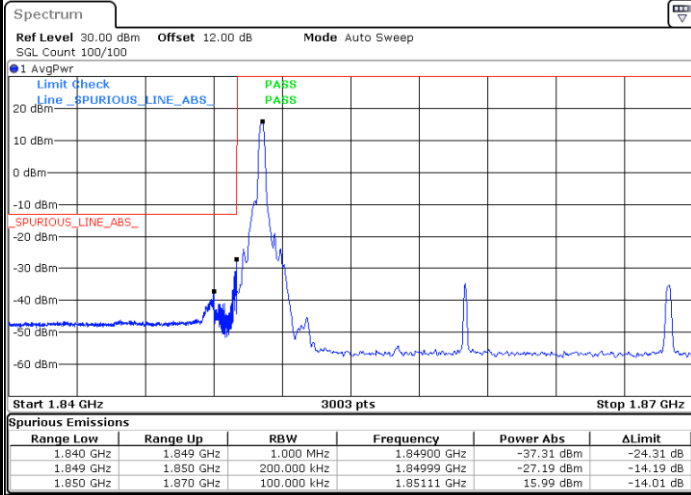


Date: 23.OCT.2021 01:29:42



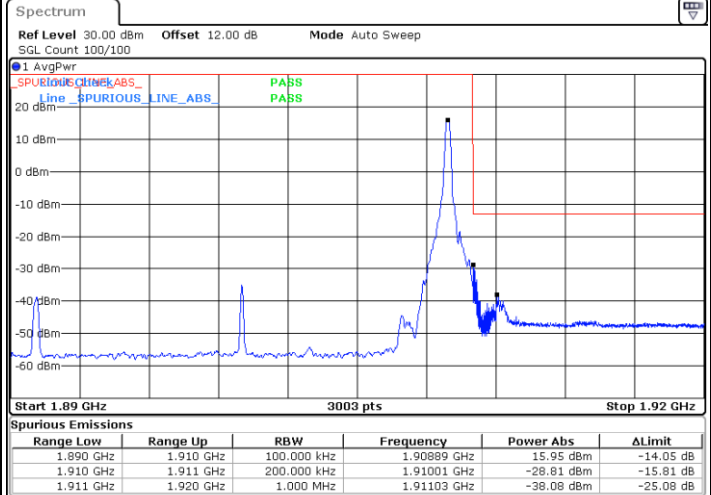
LTE Band 2 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



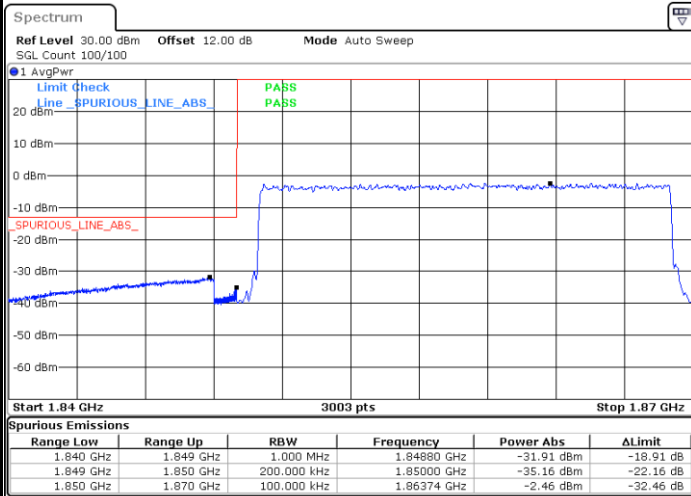
Date: 24.OCT.2021 16:25:15

Highest Band Edge / 1 RB



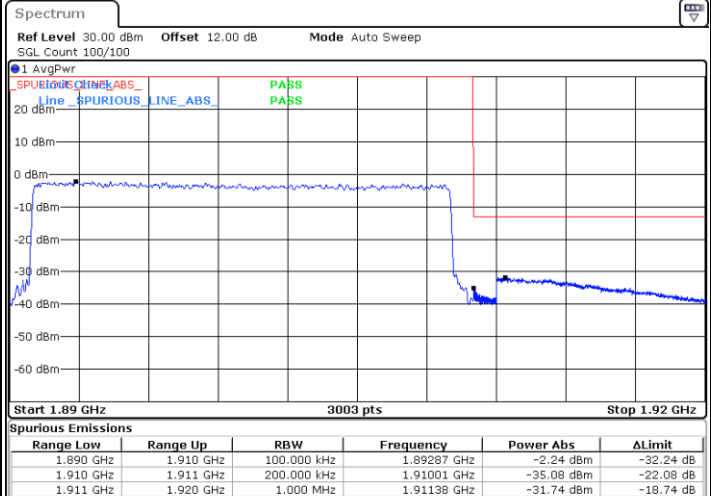
Date: 24.OCT.2021 16:28:08

Lowest Band Edge / Full RB



Date: 24.OCT.2021 16:26:30

Highest Band Edge / Full RB



Date: 24.OCT.2021 16:28:51

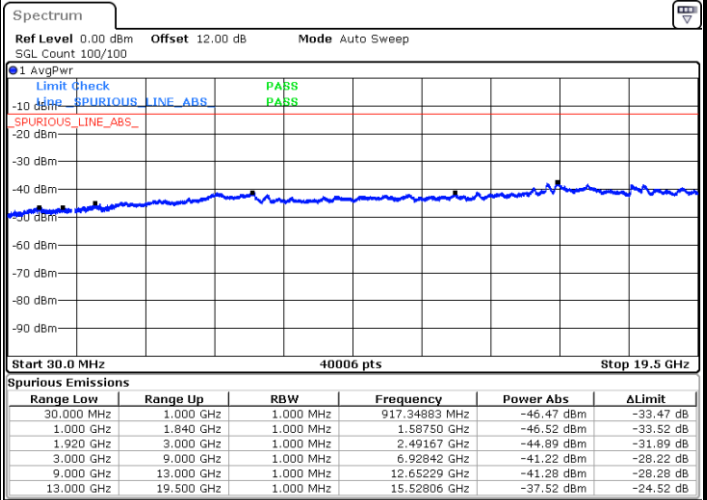
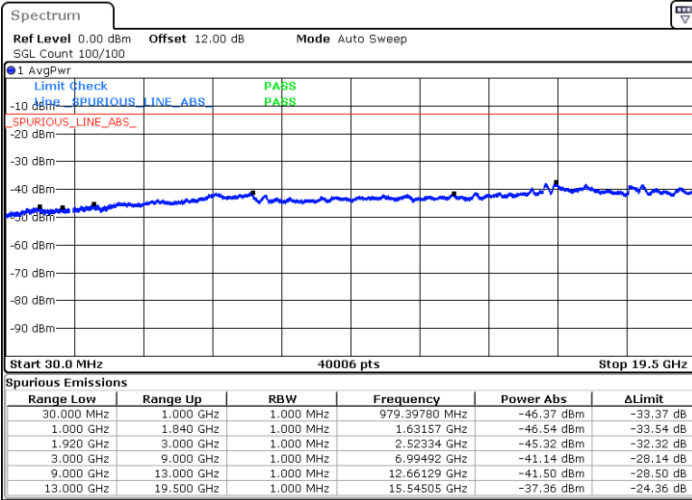


# Conducted Spurious Emission

## LTE Band 2 / 1.4MHz

### Lowest Channel / QPSK

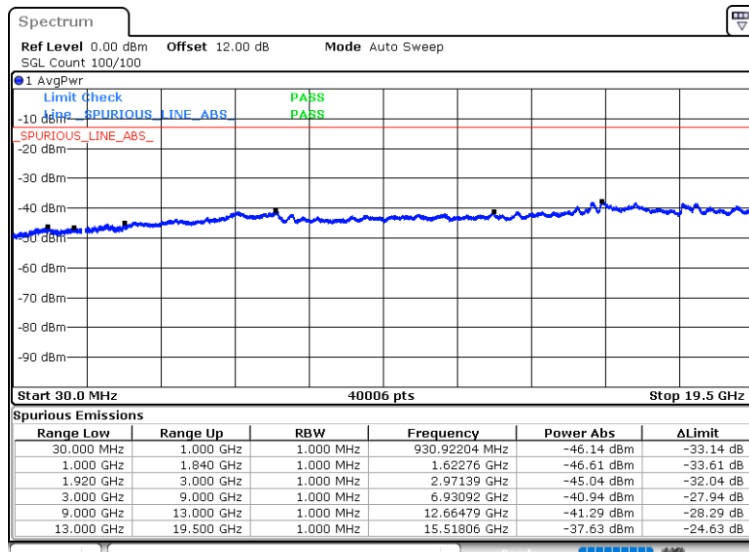
### Middle Channel / QPSK



Date: 22.OCT.2021 23:32:15

Date: 22.OCT.2021 23:36:16

### Highest Channel / QPSK

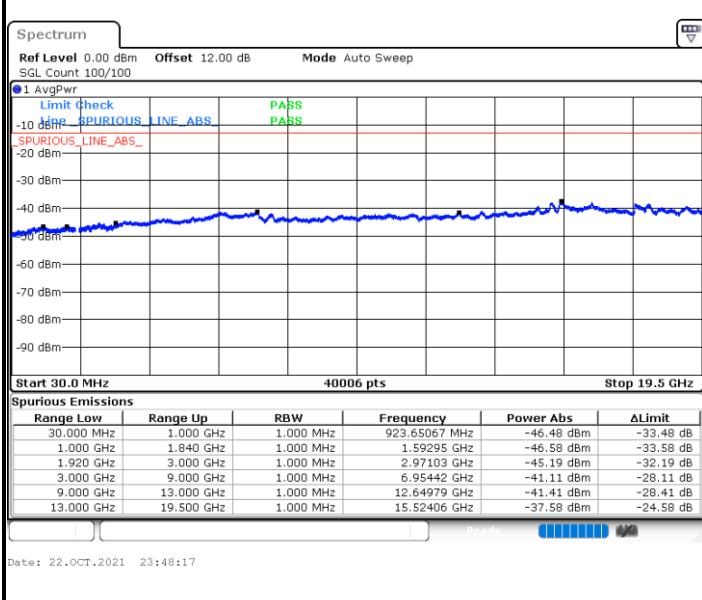


Date: 22.OCT.2021 23:42:16

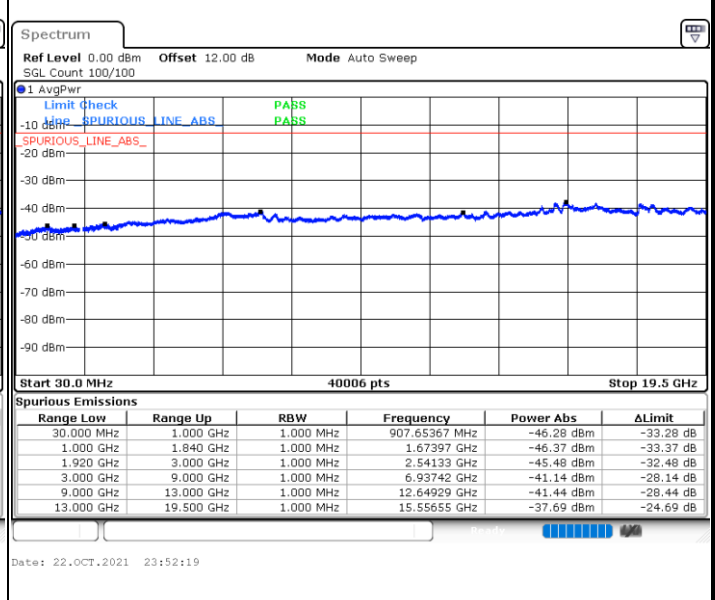


**LTE Band 2 / 3MHz**

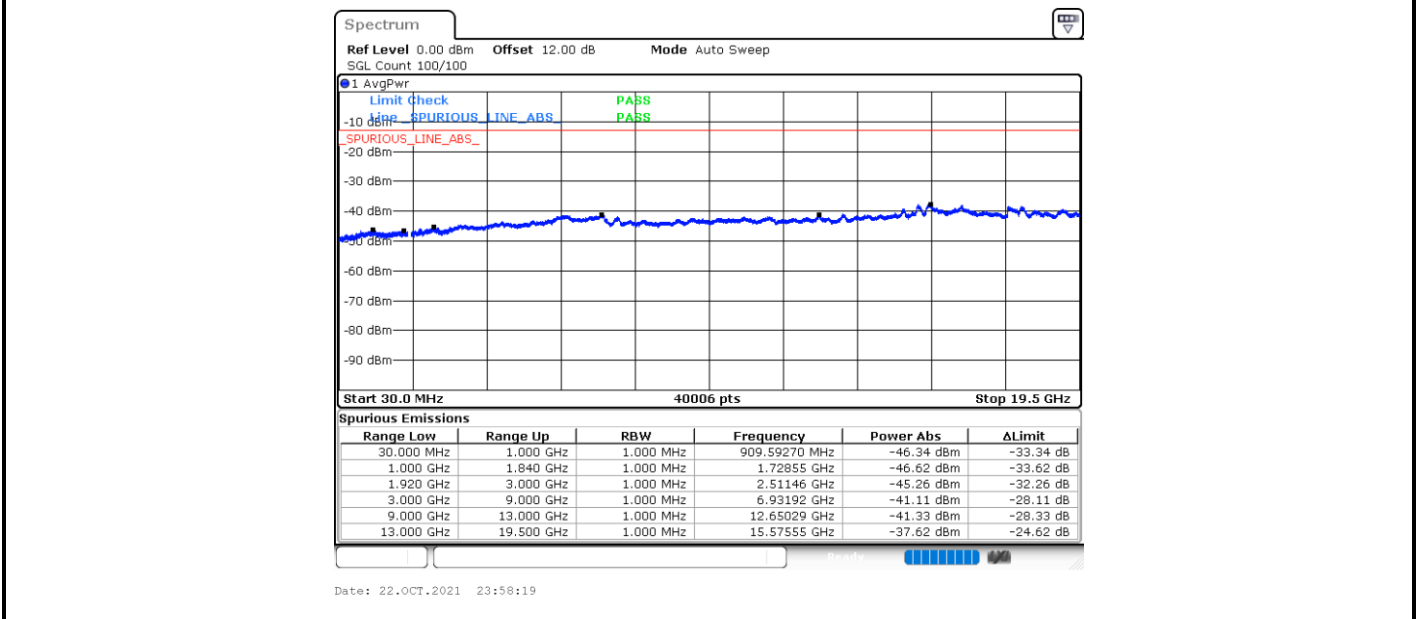
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

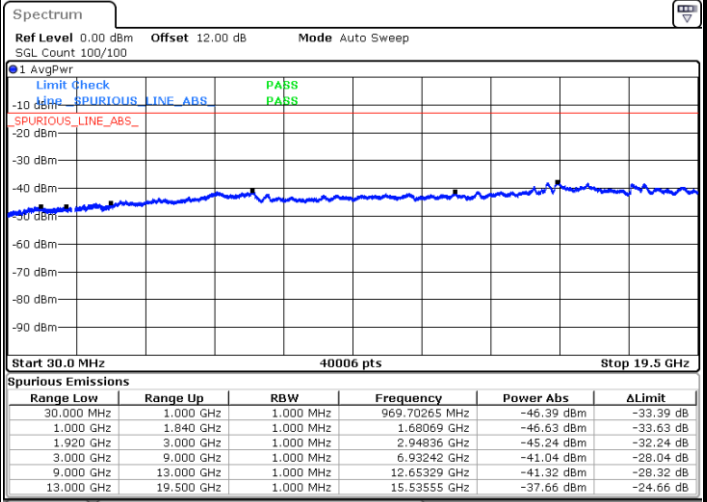
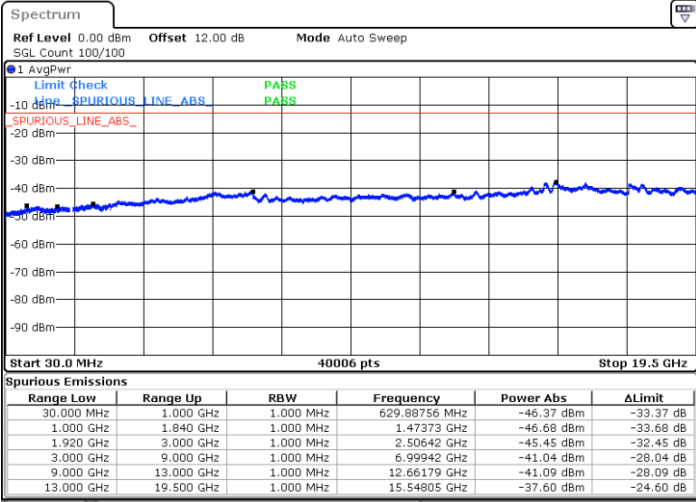




LTE Band 2 / 5MHz

Lowest Channel / QPSK

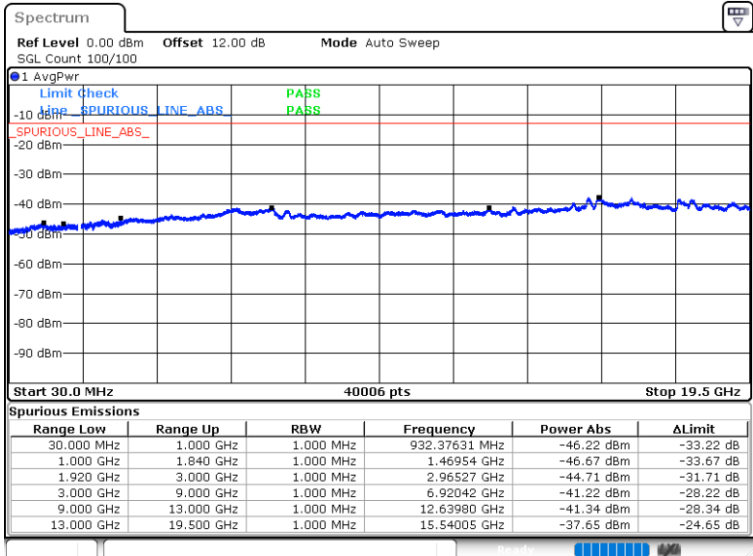
Middle Channel / QPSK



Date: 23.OCT.2021 00:04:20

Date: 23.OCT.2021 00:08:22

Highest Channel / QPSK



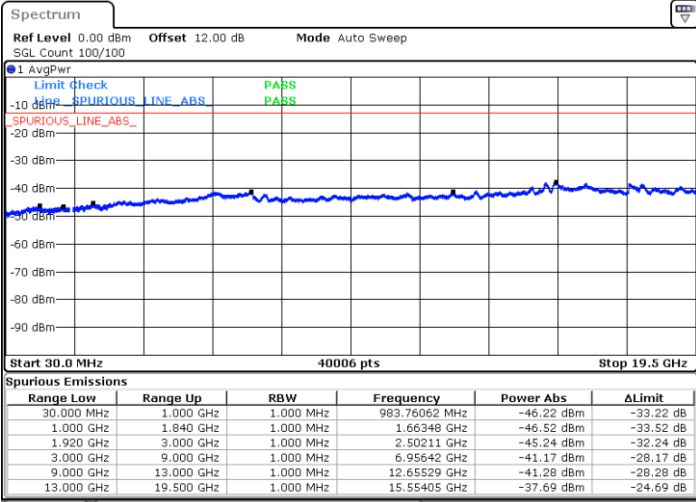
Date: 23.OCT.2021 00:14:22



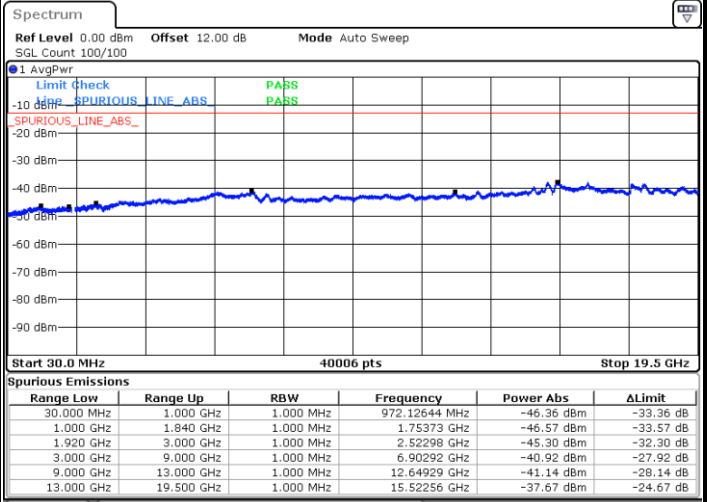
LTE Band 2 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

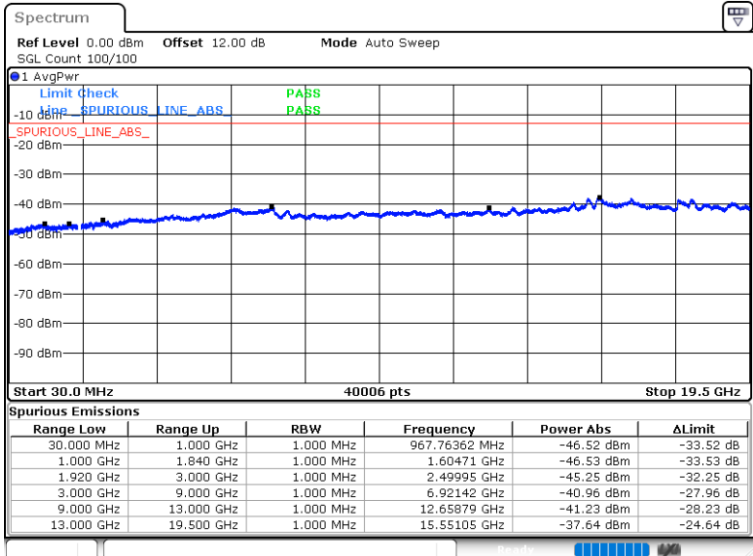


Date: 23.OCT.2021 00:20:23



Date: 23.OCT.2021 00:24:24

Highest Channel / QPSK



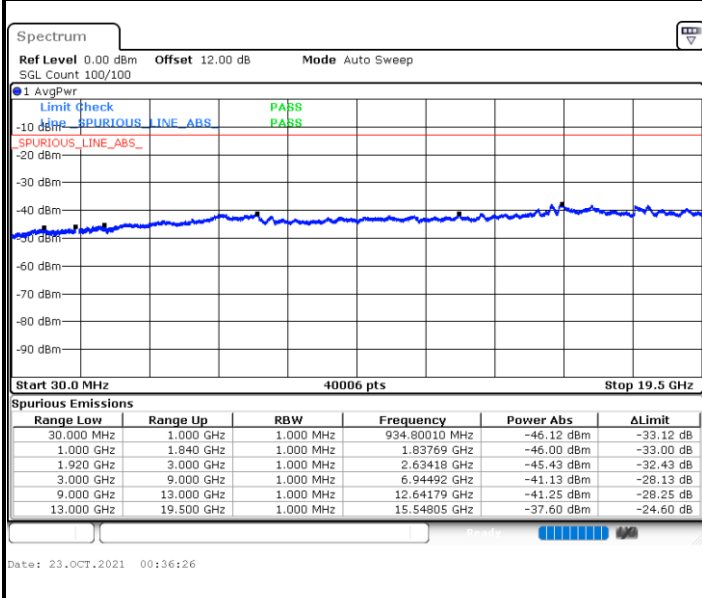
Date: 23.OCT.2021 00:30:25



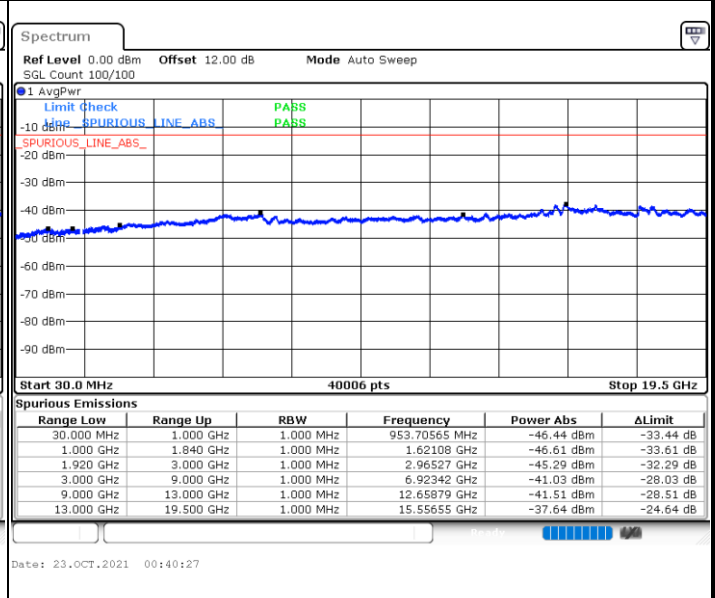


**LTE Band 2 / 15MHz**

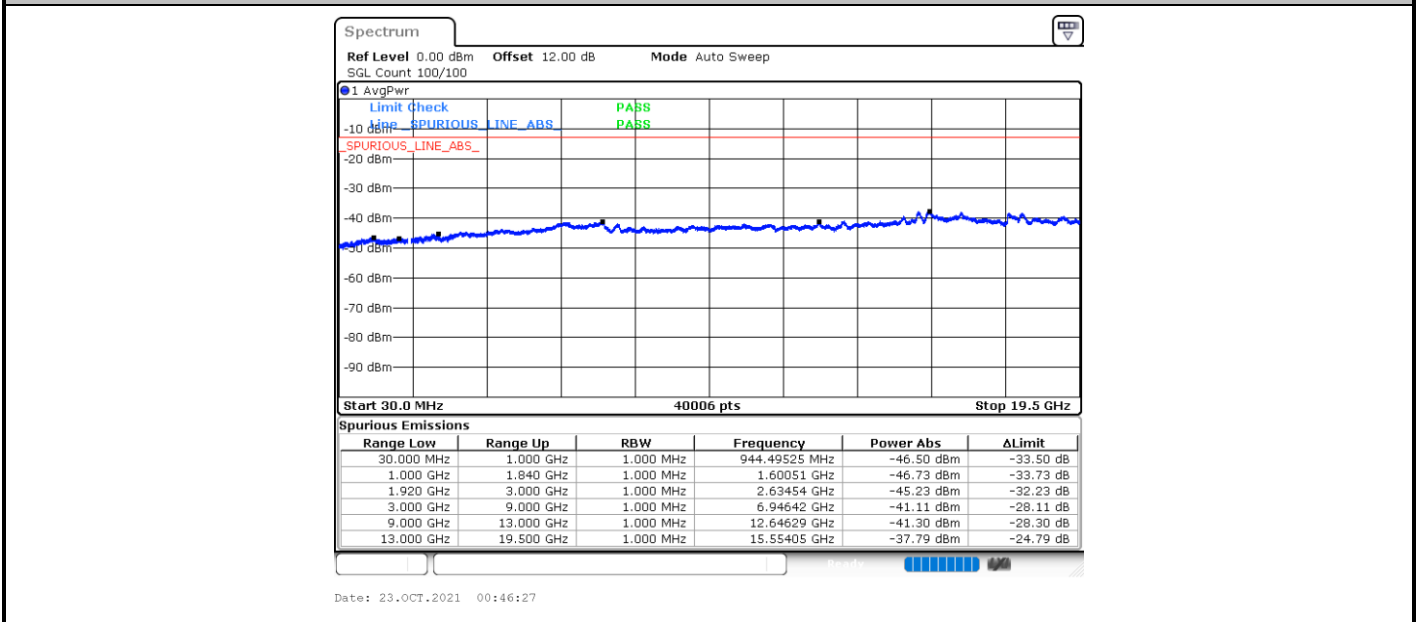
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

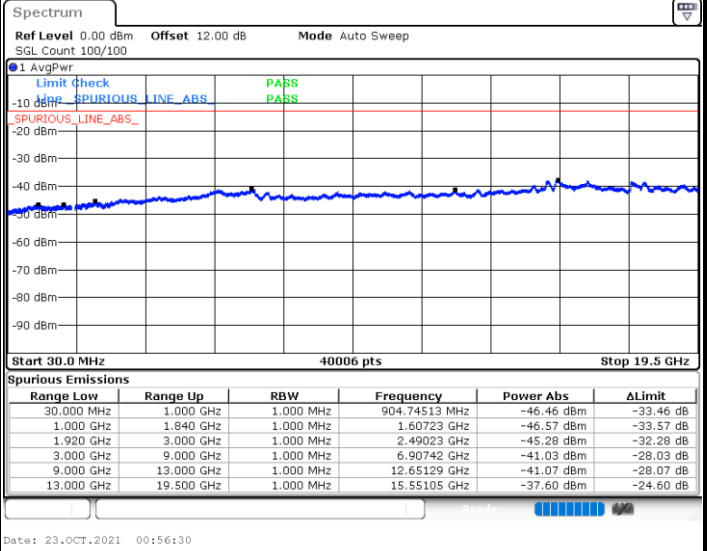
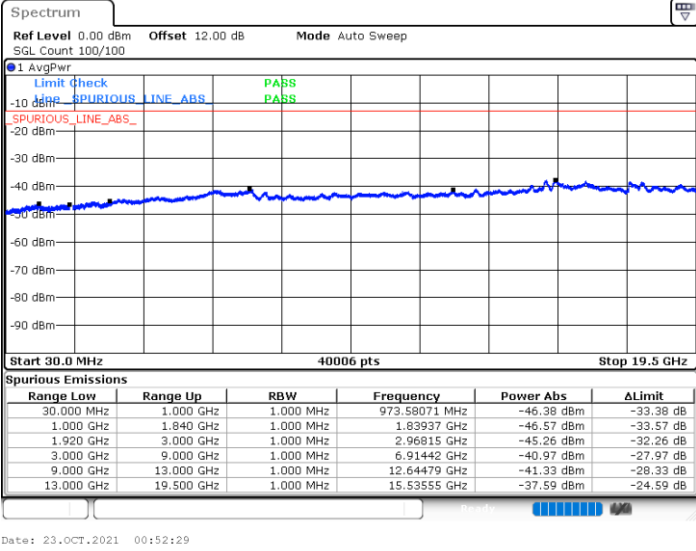




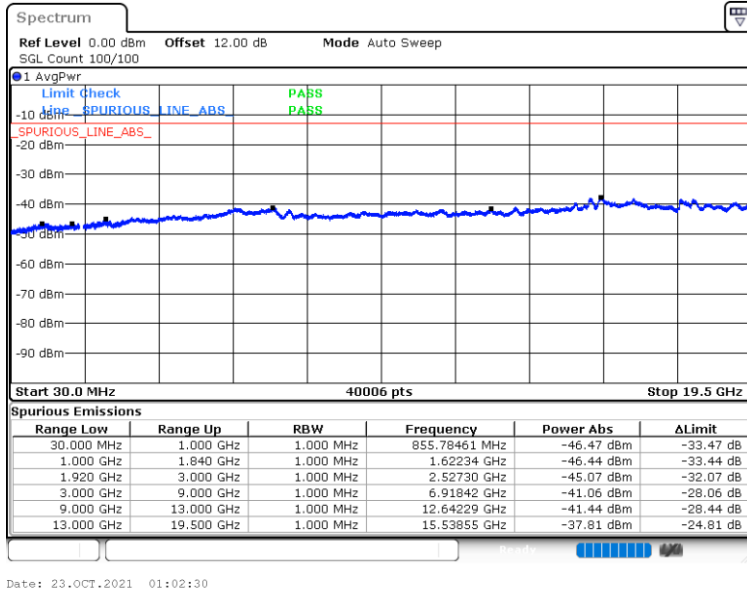
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





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	0.0023	PASS
40	Normal Voltage	0.0053	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0074	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0014	

Note:

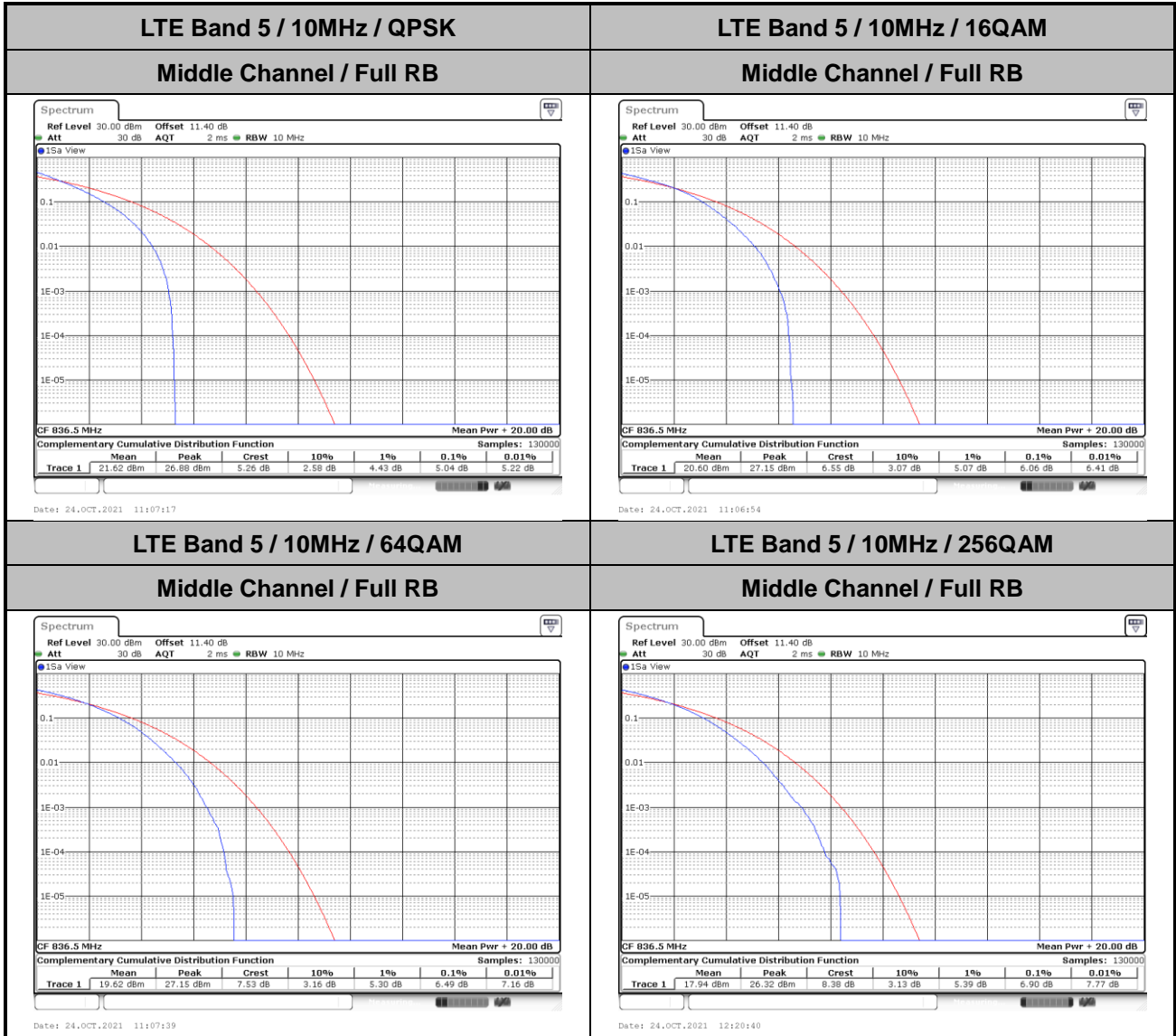
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 5

### Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.04	6.06	6.49	6.90	PASS





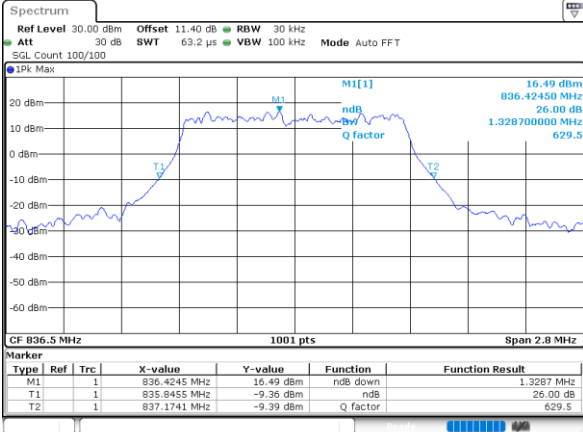
**26dB Bandwidth**

Mode	LTE Band 5 : 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	1.33	1.38	3.06	3.06	5.02	4.81	9.83	9.99	-	-	-	-
Mode	LTE Band 5 : 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	1.33	1.34	3.09	3.06	5.05	5.08	9.73	9.89	-	-	-	-



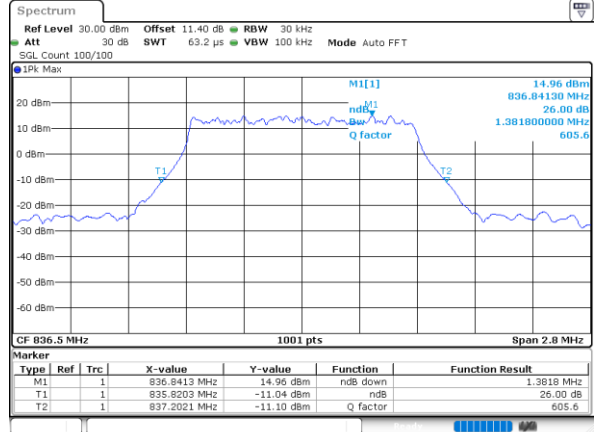
LTE Band 5

Middle Channel / 1.4MHz / QPSK



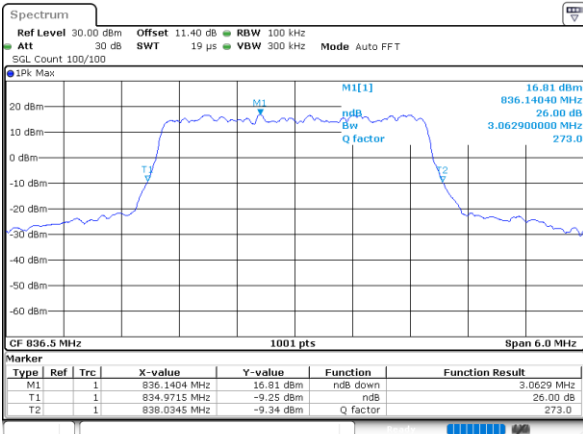
Date: 24.OCT.2021 09:15:59

Middle Channel / 1.4MHz / 16QAM



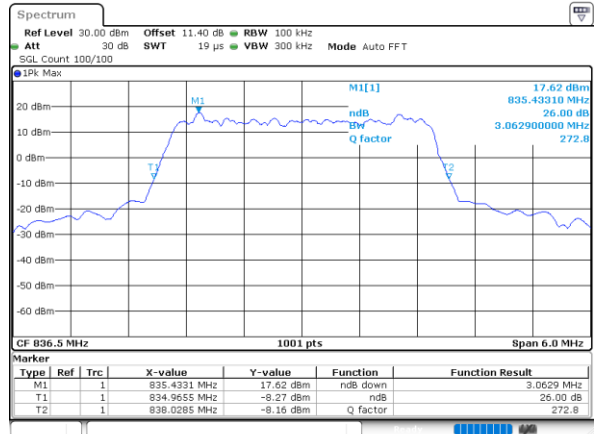
Date: 24.OCT.2021 09:16:20

Middle Channel / 3MHz / QPSK



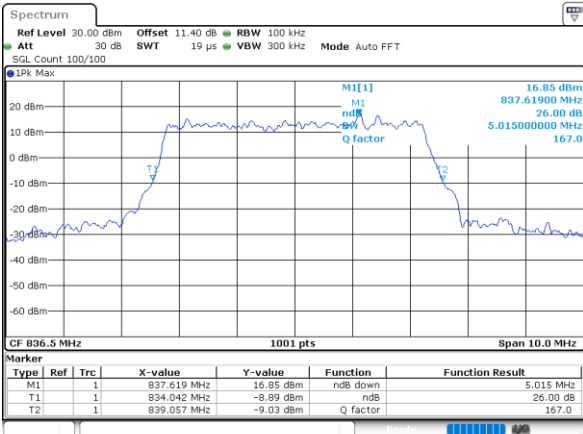
Date: 24.OCT.2021 09:43:13

Middle Channel / 3MHz / 16QAM



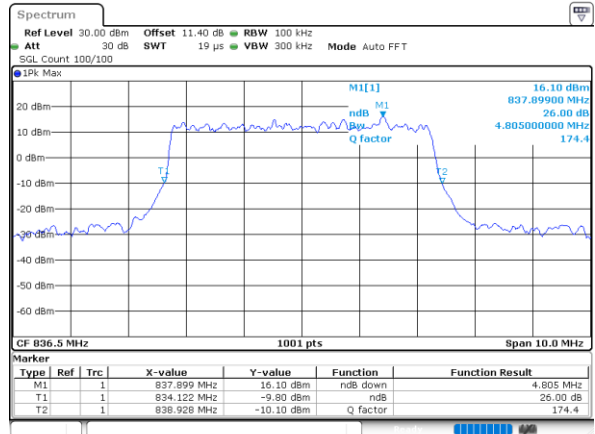
Date: 24.OCT.2021 09:43:34

Middle Channel / 5MHz / QPSK



Date: 24.OCT.2021 10:11:06

Middle Channel / 5MHz / 16QAM

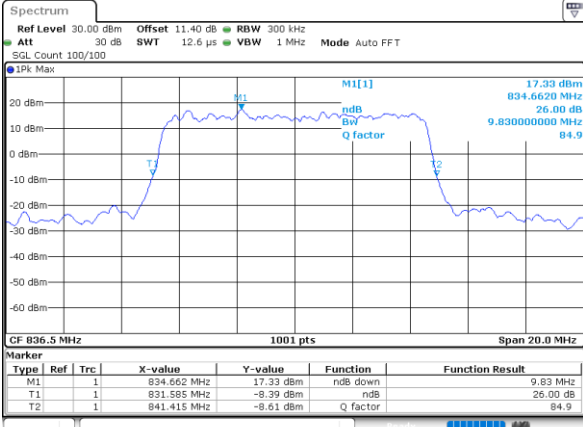


Date: 24.OCT.2021 10:11:26



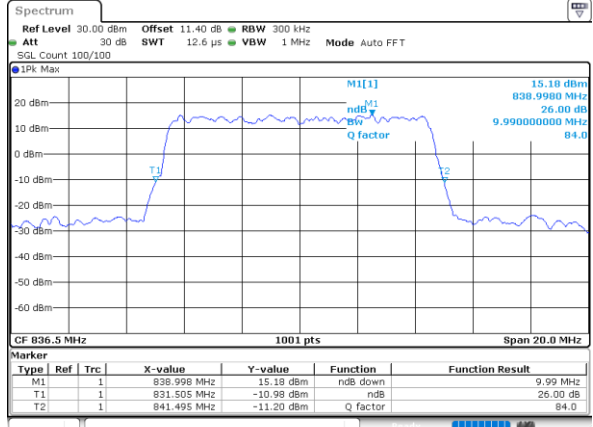
LTE Band 5

Middle Channel / 10MHz / QPSK



Date: 24.OCT.2021 10:38:26

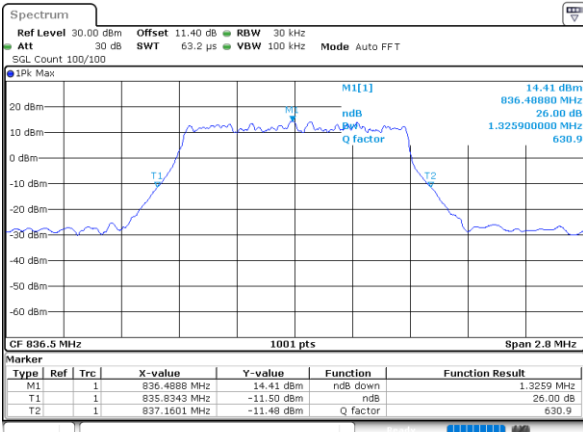
Middle Channel / 10MHz / 16QAM



Date: 24.OCT.2021 10:38:47

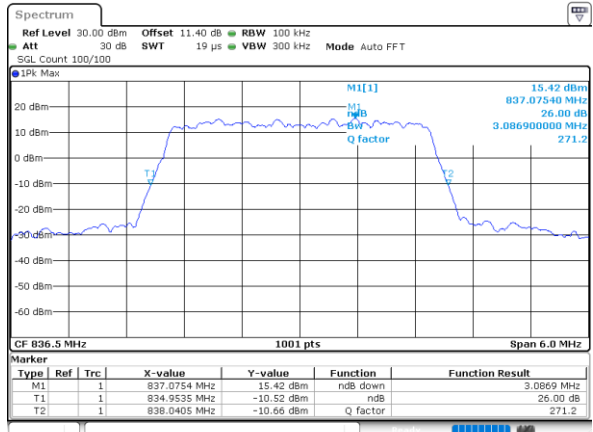
LTE Band 5

Middle Channel / 1.4MHz / 64QAM



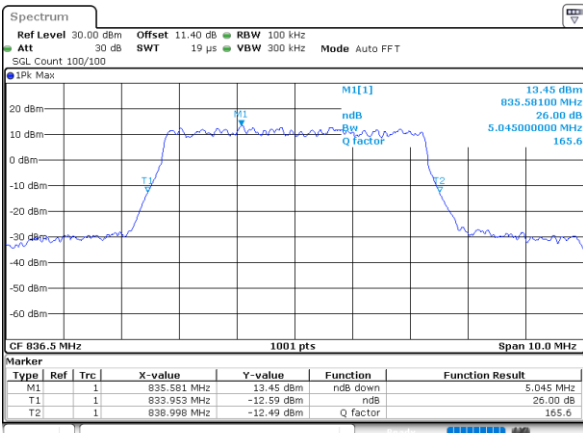
Date: 24.OCT.2021 09:30:05

Middle Channel / 3MHz / 64QAM



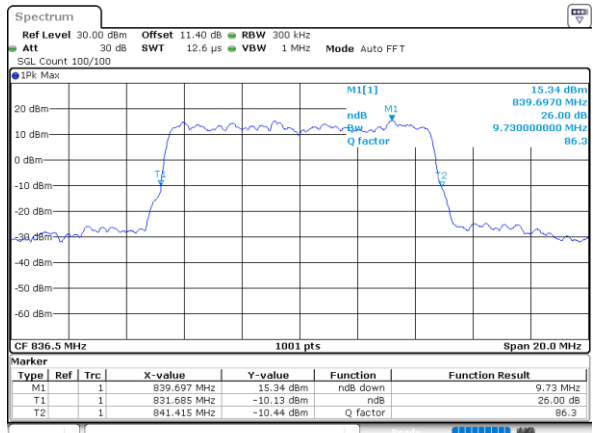
Date: 24.OCT.2021 09:57:58

Middle Channel / 5MHz / 64QAM



Date: 24.OCT.2021 10:25:39

Middle Channel / 10MHz / 64QAM



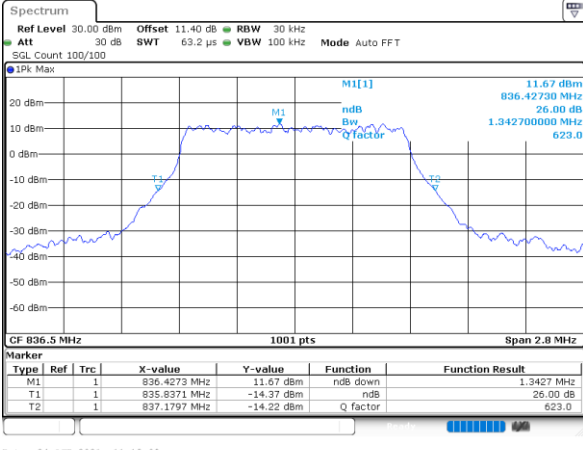
Date: 24.OCT.2021 11:02:51





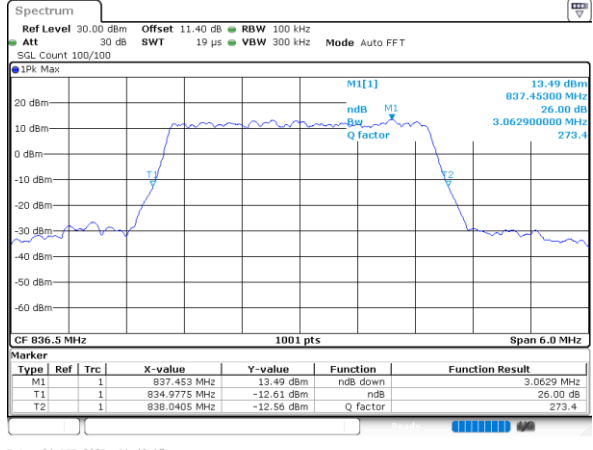
LTE Band 5

Middle Channel / 1.4MHz / 256QAM



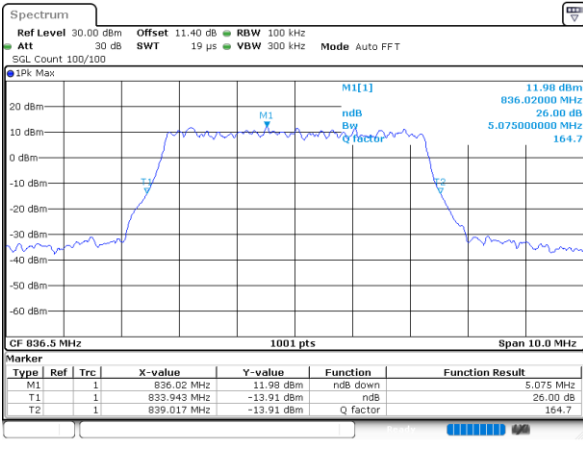
Date: 24.OCT.2021 11:13:03

Middle Channel / 3MHz / 256QAM



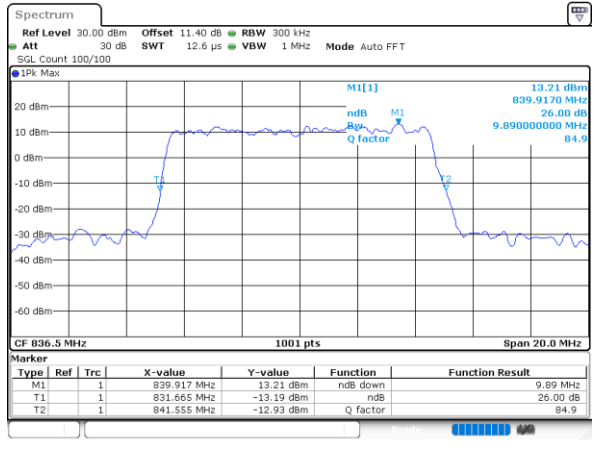
Date: 24.OCT.2021 11:40:17

Middle Channel / 5MHz / 256QAM



Date: 24.OCT.2021 11:59:56

Middle Channel / 10MHz / 256QAM



Date: 24.OCT.2021 12:10:35



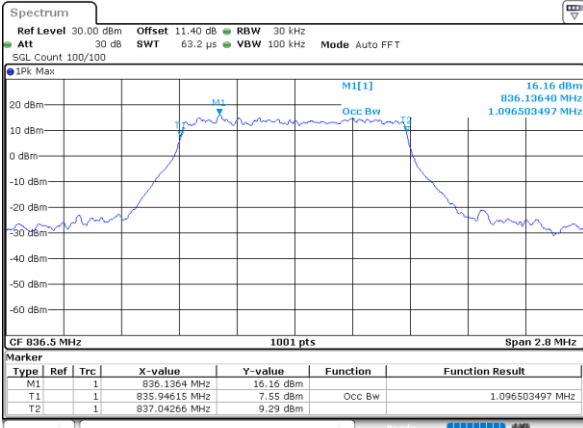
**Occupied Bandwidth**

Mode	LTE Band 5 : 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	1.10	1.09	2.73	2.72	4.48	4.50	9.09	9.03	-	-	-	-
Mode	LTE Band 5 : 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	1.10	1.10	2.72	2.73	4.50	4.52	9.07	9.05	-	-	-	-



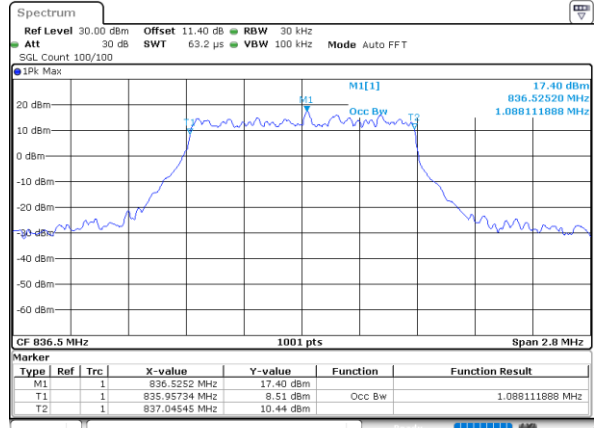
LTE Band 5

Middle Channel / 1.4MHz / QPSK



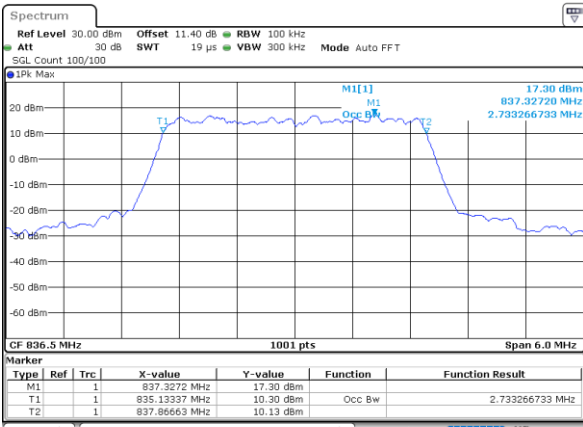
Date: 24.OCT.2021 09:15:17

Middle Channel / 1.4MHz / 16QAM



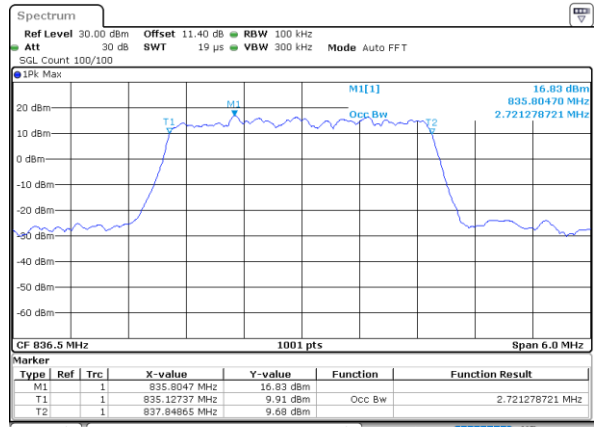
Date: 24.OCT.2021 09:15:38

Middle Channel / 3MHz / QPSK



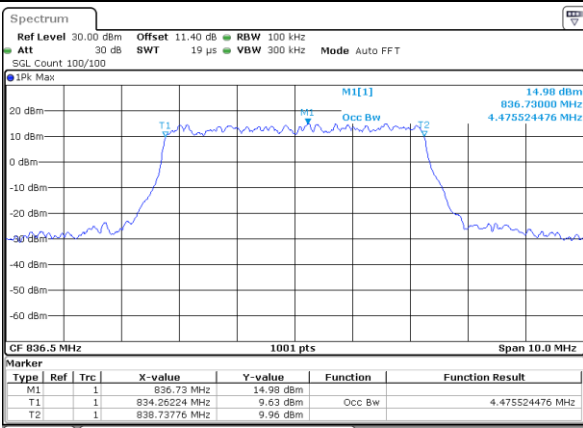
Date: 24.OCT.2021 09:42:31

Middle Channel / 3MHz / 16QAM



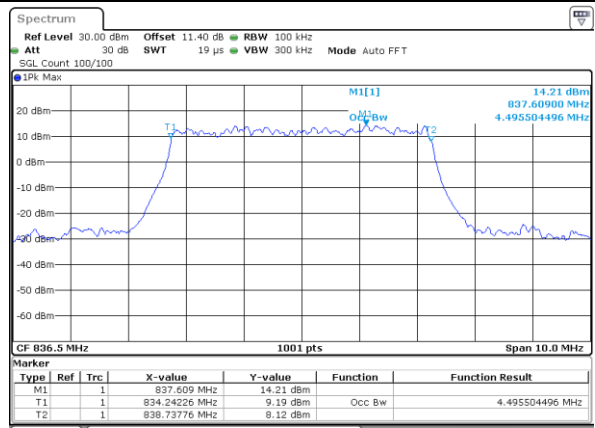
Date: 24.OCT.2021 09:42:52

Middle Channel / 5MHz / QPSK



Date: 24.OCT.2021 10:10:24

Middle Channel / 5MHz / 16QAM

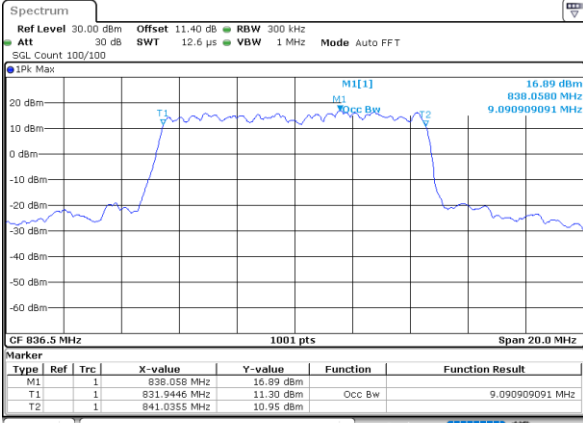


Date: 24.OCT.2021 10:10:45



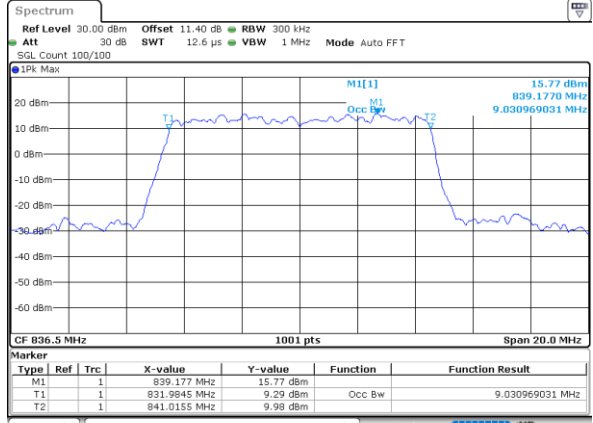
LTE Band 5

Middle Channel / 10MHz / QPSK



Date: 24.OCT.2021 10:37:44

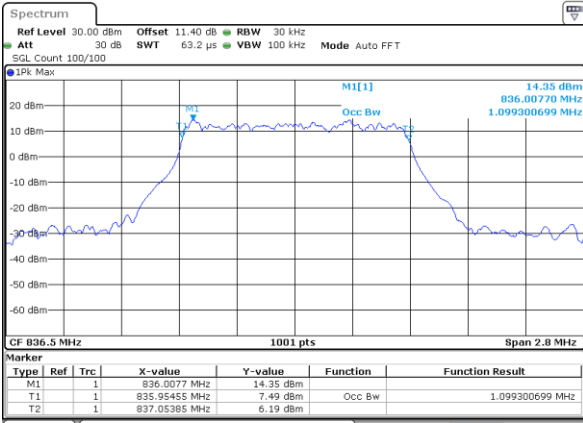
Middle Channel / 10MHz / 16QAM



Date: 24.OCT.2021 10:38:05

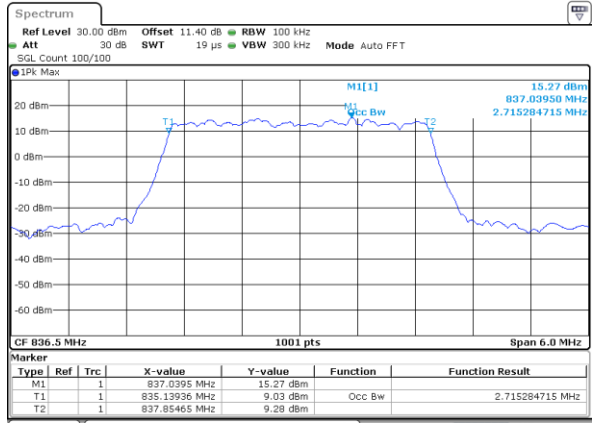
LTE Band 5

Middle Channel / 1.4MHz / 64QAM



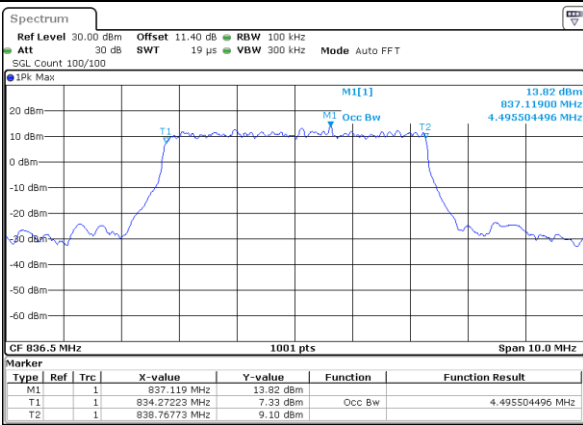
Date: 24.OCT.2021 09:29:44

Middle Channel / 3MHz / 64QAM



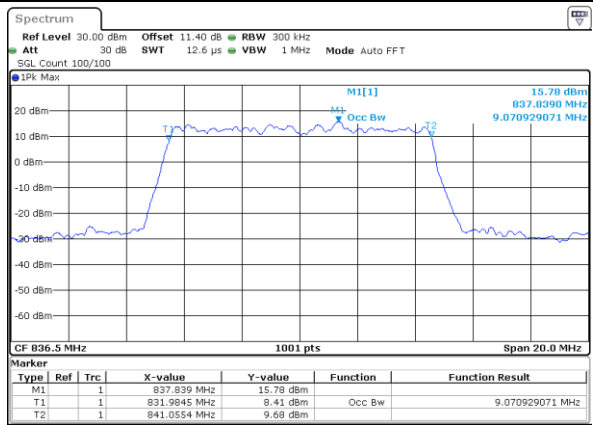
Date: 24.OCT.2021 09:15:38

Middle Channel / 5MHz / 64QAM



Date: 24.OCT.2021 10:25:18

Middle Channel / 10MHz / 64QAM

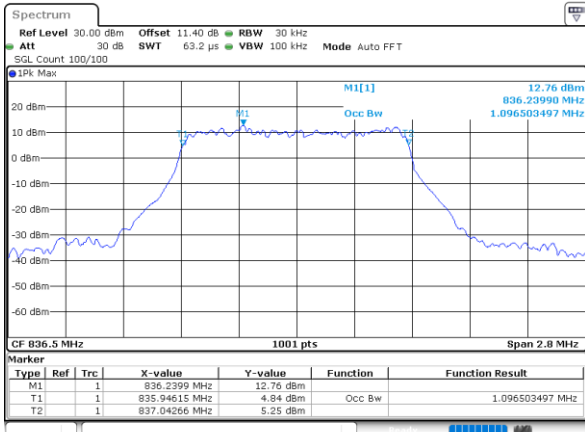


Date: 24.OCT.2021 11:02:30



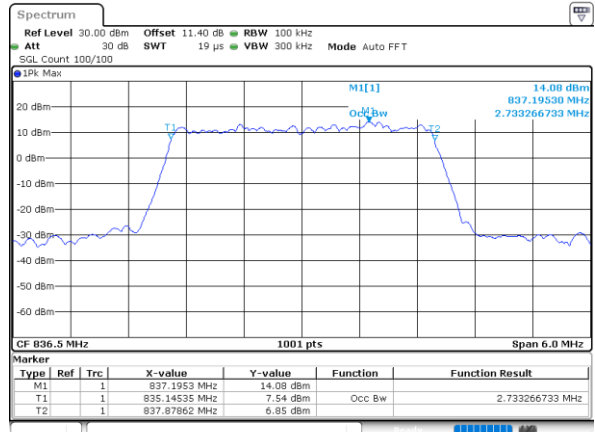
LTE Band 5

Middle Channel / 1.4MHz / 256QAM



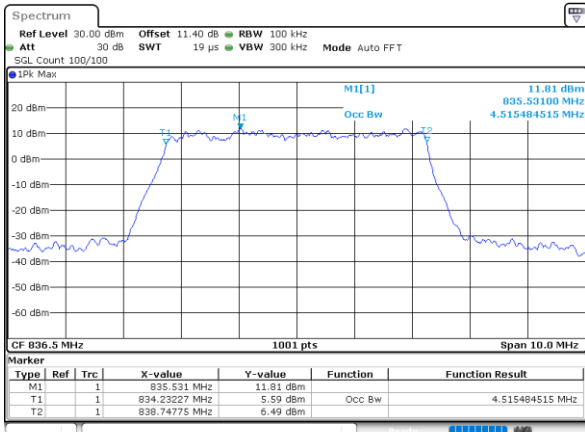
Date: 24.OCT.2021 11:12:42

Middle Channel / 3MHz / 256QAM



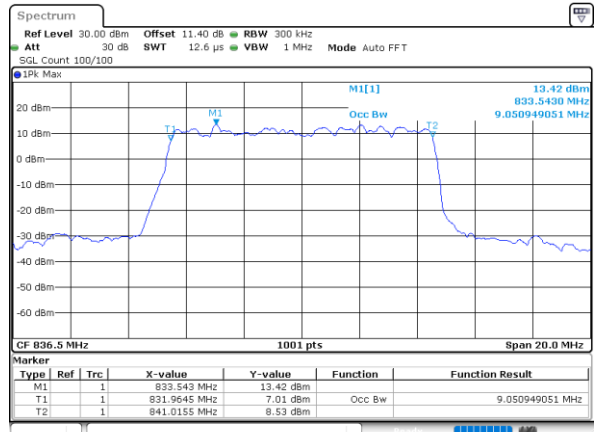
Date: 24.OCT.2021 11:39:57

Middle Channel / 5MHz / 256QAM



Date: 24.OCT.2021 11:59:34

Middle Channel / 10MHz / 256QAM



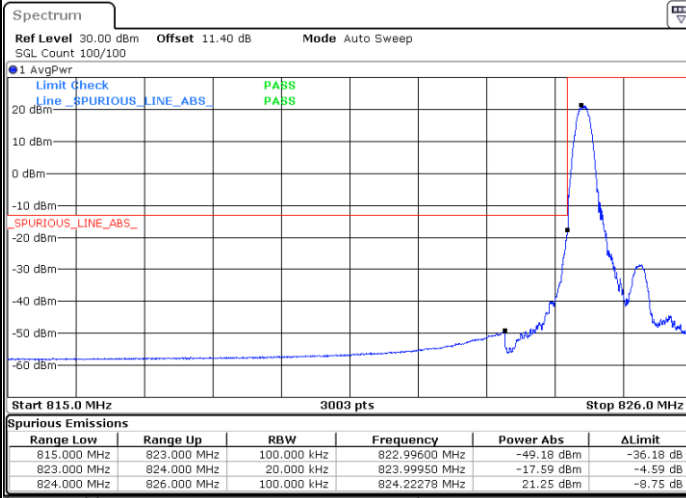
Date: 24.OCT.2021 12:10:14



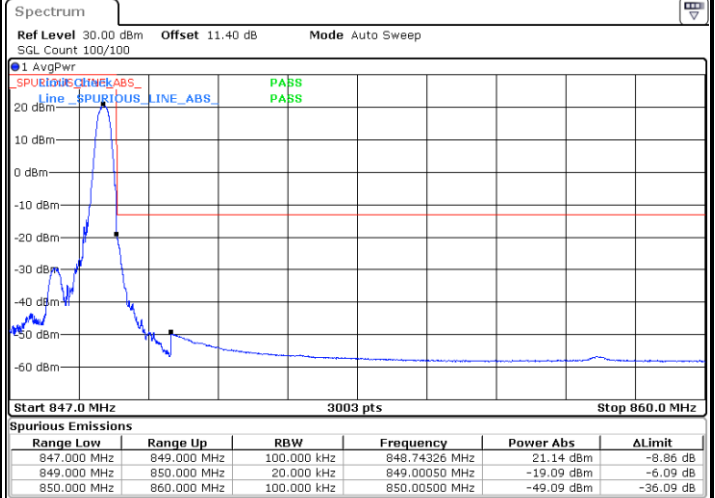
# Conducted Band Edge

## LTE Band 5 / 1.4MHz / QPSK

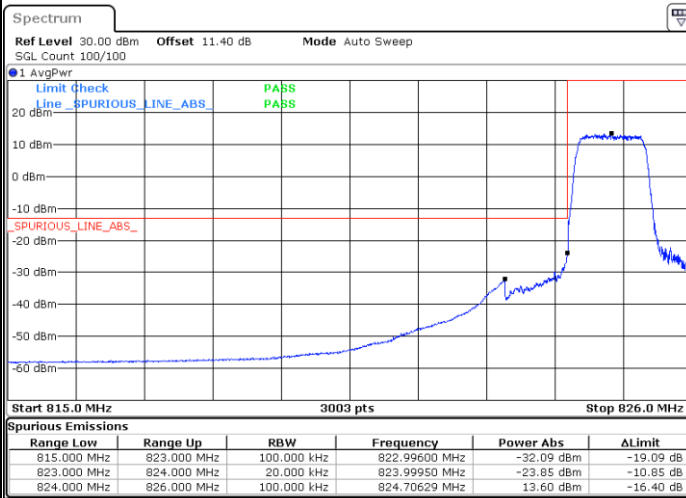
### Lowest Band Edge / 1RB



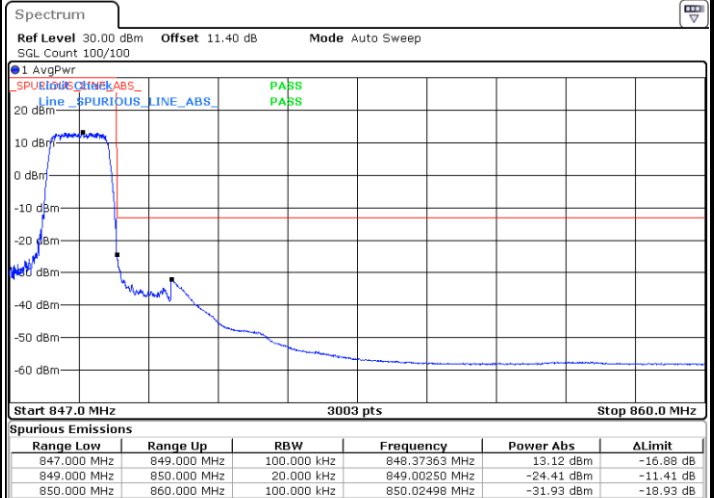
### Highest Band Edge / 1RB



### Lowest Band Edge / Full RB



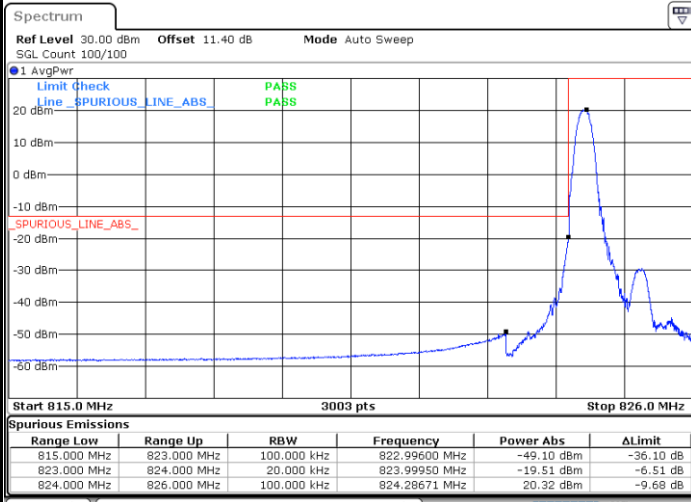
### Highest Band Edge / Full RB





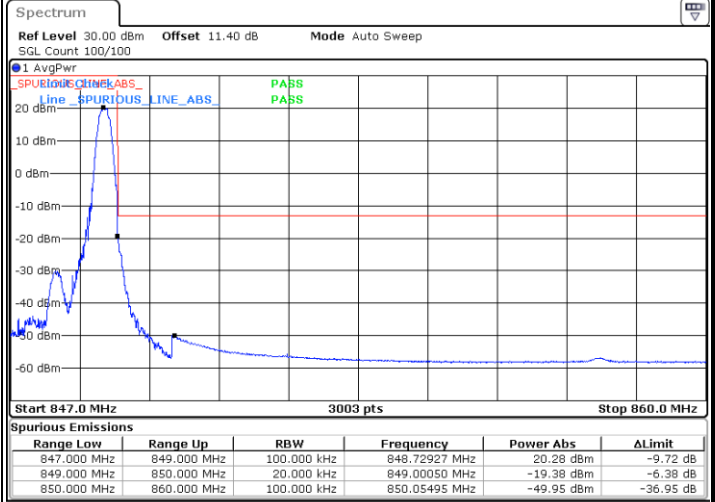
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



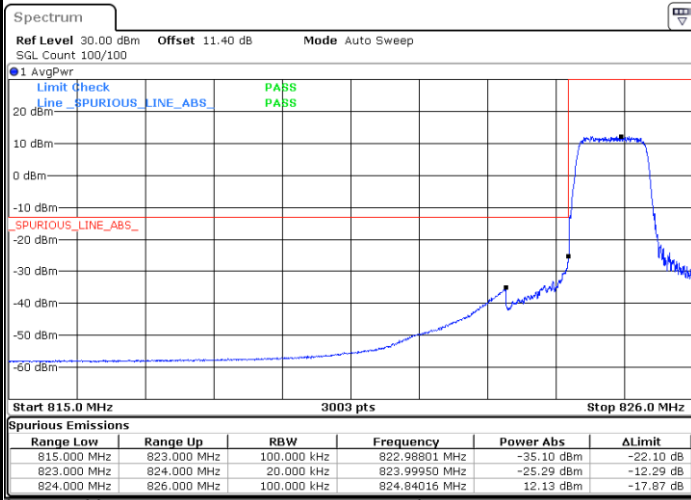
Date: 24.OCT.2021 09:10:15

Highest Band Edge / 1 RB



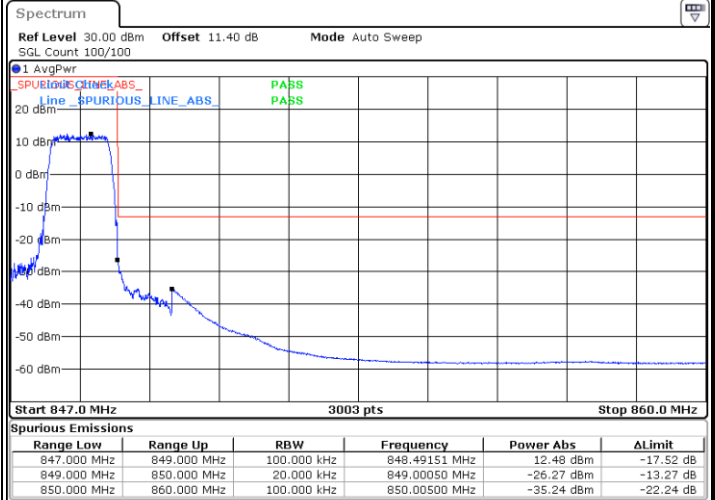
Date: 24.OCT.2021 09:24:42

Lowest Band Edge / Full RB



Date: 24.OCT.2021 09:13:56

Highest Band Edge / Full RB



Date: 24.OCT.2021 09:21:01