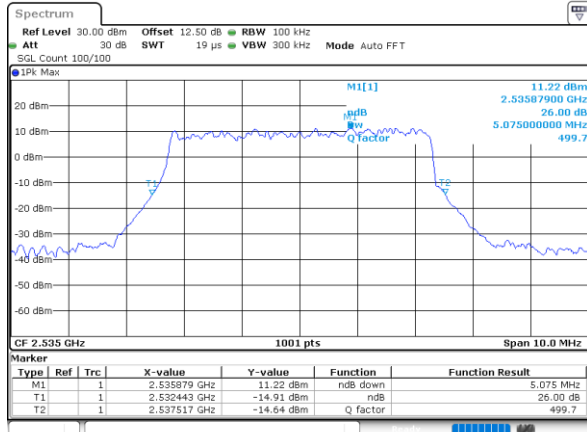




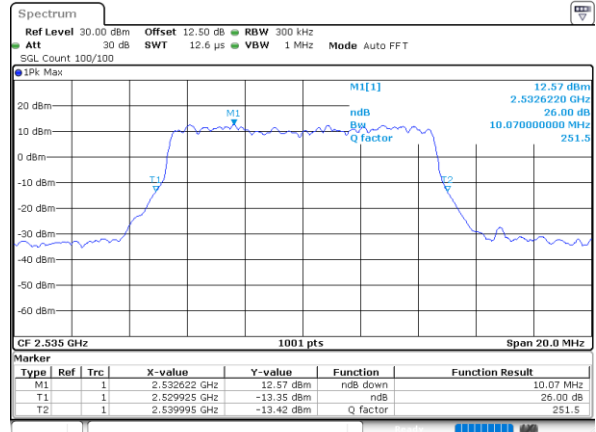
LTE Band 7

Middle Channel / 5MHz / 256QAM



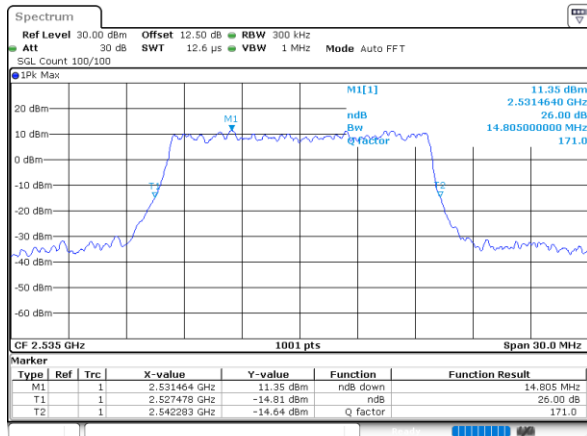
Date: 24.APR.2022 01:55:20

Middle Channel / 10MHz / 256QAM



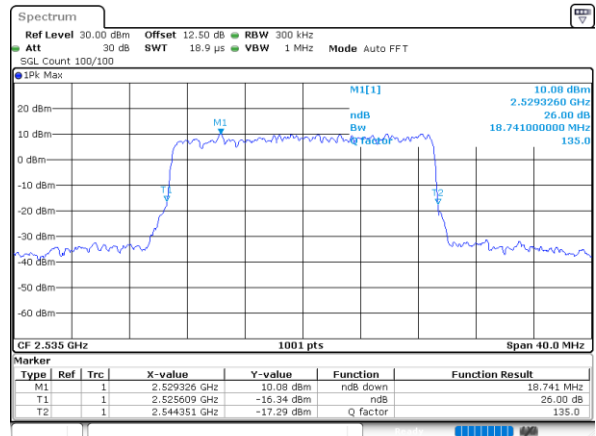
Date: 24.APR.2022 01:56:03

Middle Channel / 15MHz / 256QAM



Date: 24.APR.2022 01:57:06

Middle Channel / 20MHz / 256QAM



Date: 24.APR.2022 01:43:09

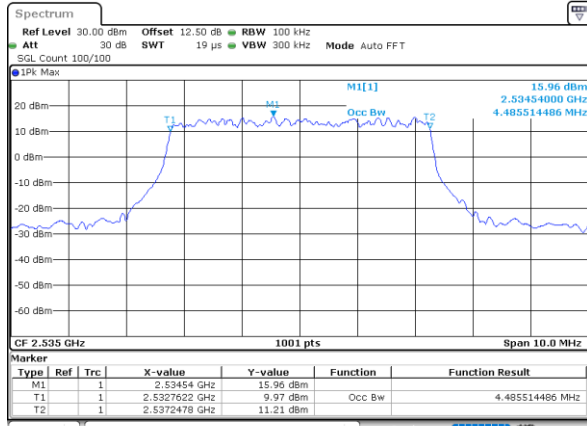
**Occupied Bandwidth**

Mode	LTE Band 7 : 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	-	-	-	-	4.49	4.49	9.09	9.05	13.37	13.40	17.94	17.90
Mode	LTE Band 7 : 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	-	-	-	-	4.55	4.50	9.07	9.03	13.46	13.40	17.90	17.90



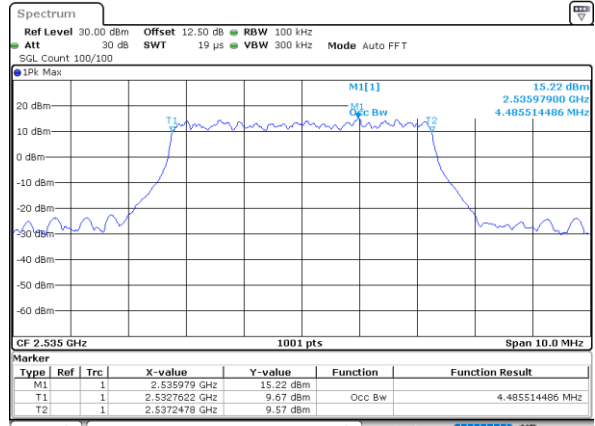
LTE Band 7

Middle Channel / 5MHz / QPSK



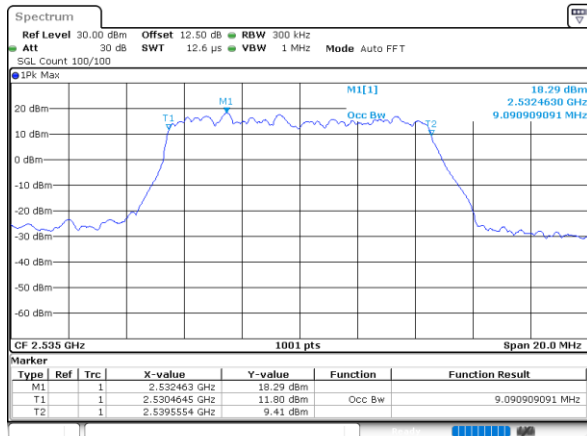
Date: 24.APR.2022 00:08:39

Middle Channel / 5MHz / 16QAM



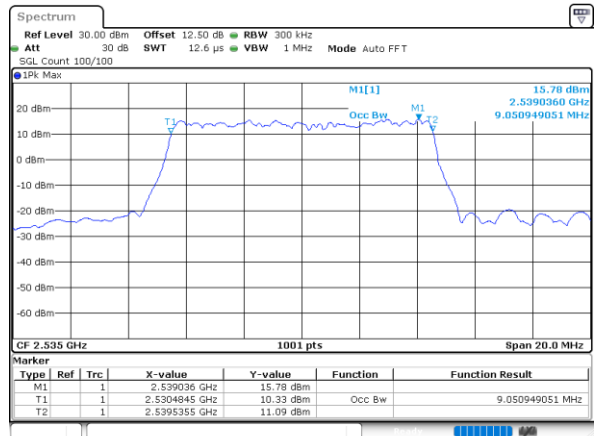
Date: 24.APR.2022 00:09:08

Middle Channel / 10MHz / QPSK



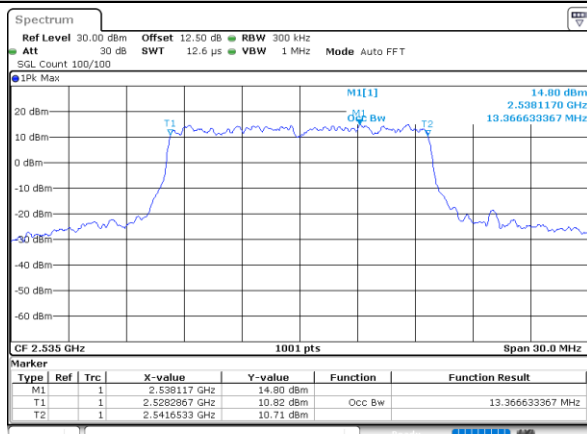
Date: 24.APR.2022 00:12:23

Middle Channel / 10MHz / 16QAM



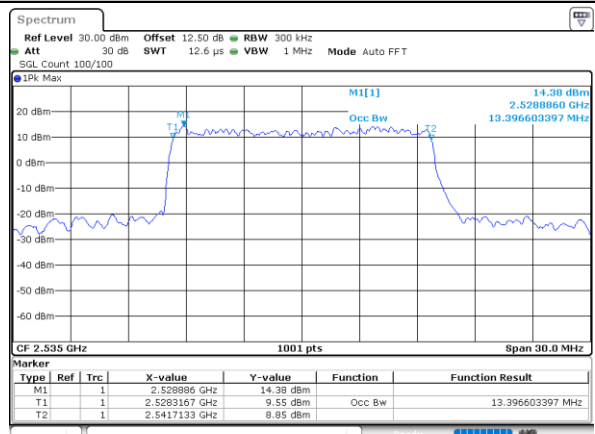
Date: 24.APR.2022 00:12:52

Middle Channel / 15MHz / QPSK



Date: 24.APR.2022 07:45:41

Middle Channel / 15MHz / 16QAM

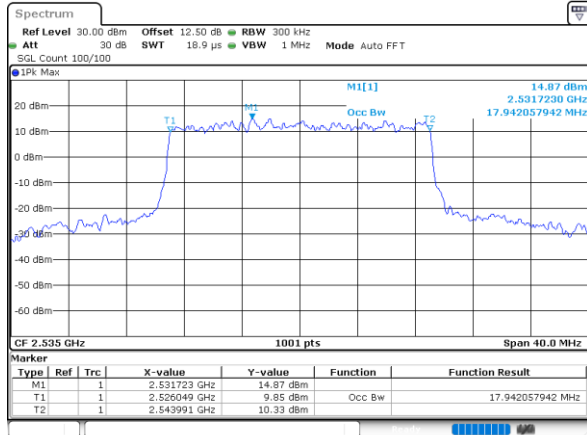


Date: 24.APR.2022 07:46:07

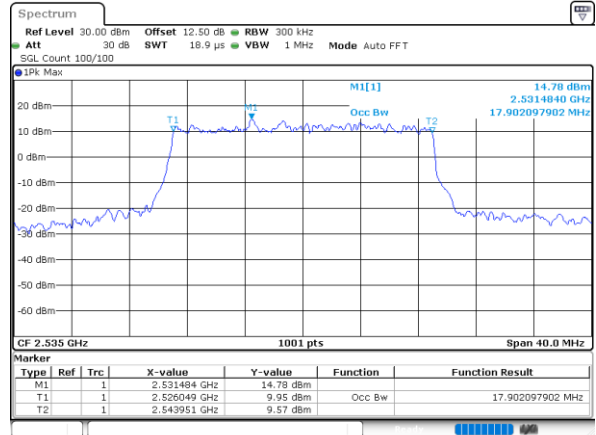


LTE Band 7

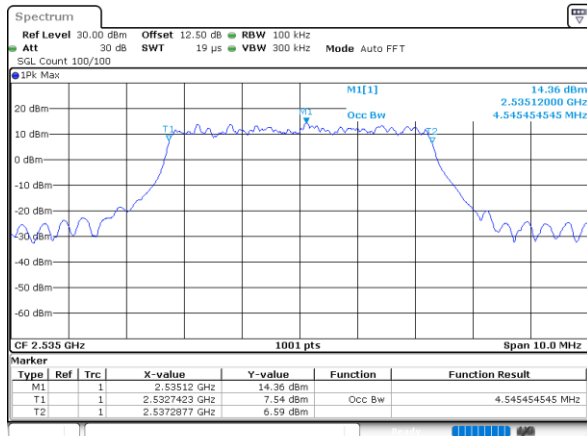
Middle Channel / 20MHz / QPSK



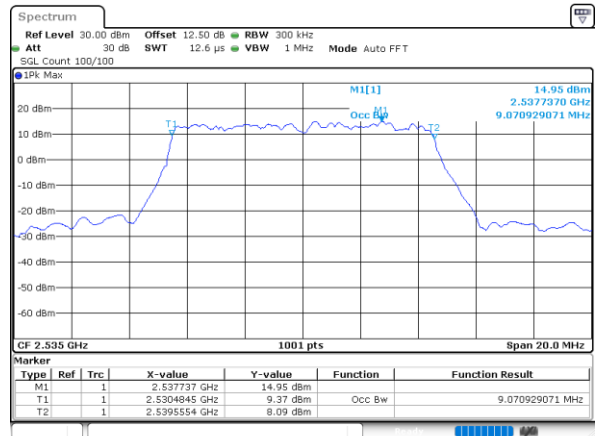
Middle Channel / 20MHz / 16QAM



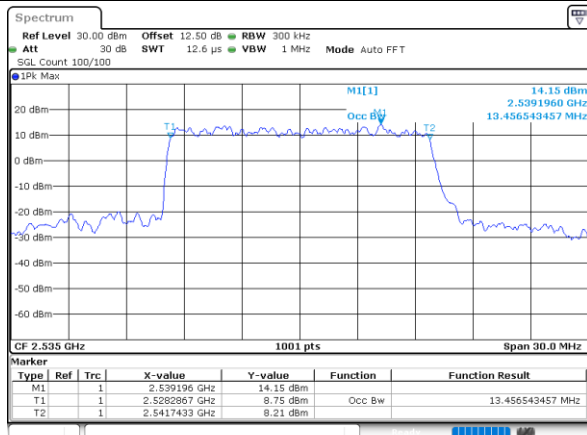
Middle Channel / 5MHz / 64QAM



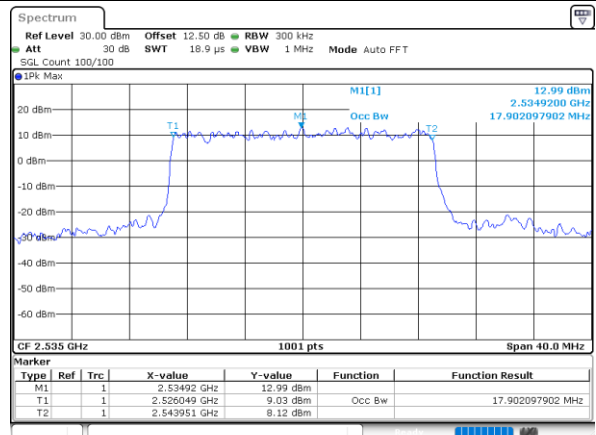
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



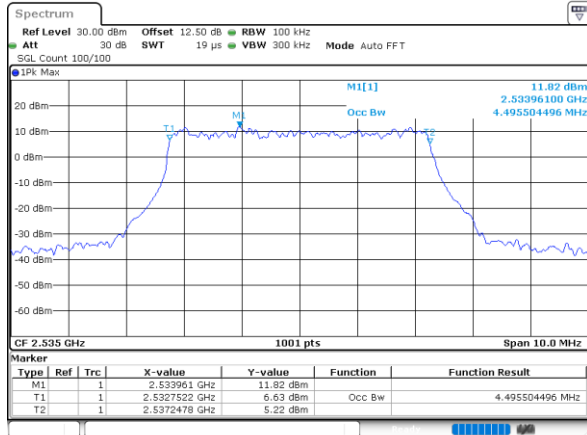
Middle Channel / 20MHz / 64QAM





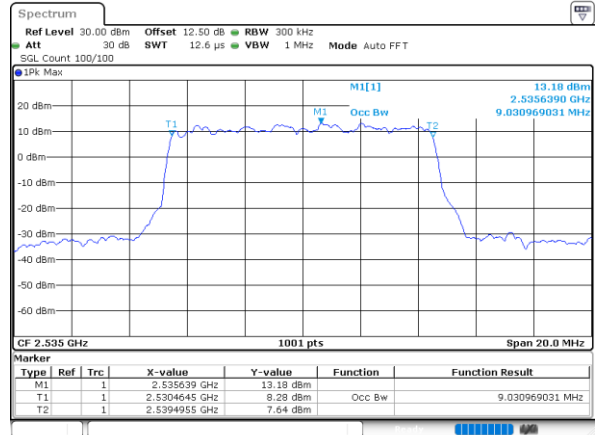
LTE Band 7

Middle Channel / 5MHz / 256QAM



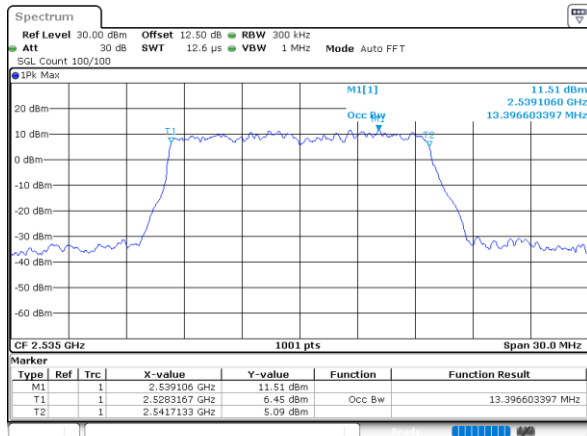
Date: 24.APR.2022 01:55:13

Middle Channel / 10MHz / 256QAM



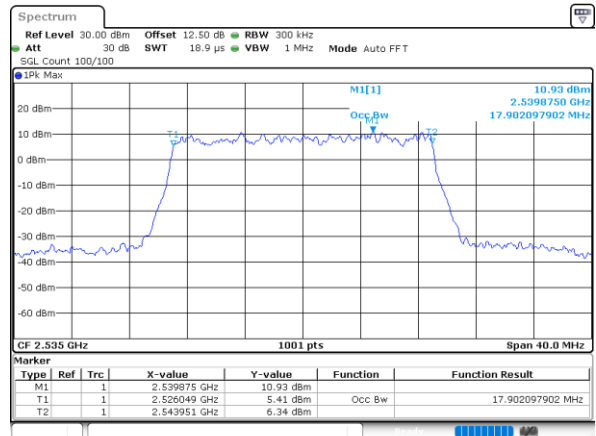
Date: 24.APR.2022 01:56:17

Middle Channel / 15MHz / 256QAM



Date: 24.APR.2022 01:56:52

Middle Channel / 20MHz / 256QAM



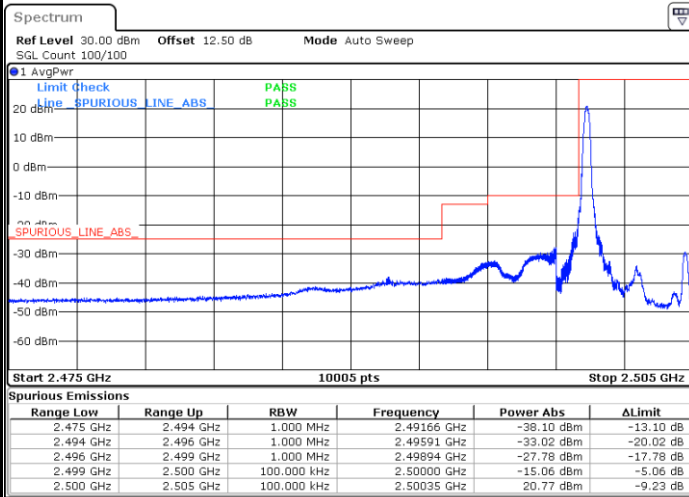
Date: 24.APR.2022 01:42:54



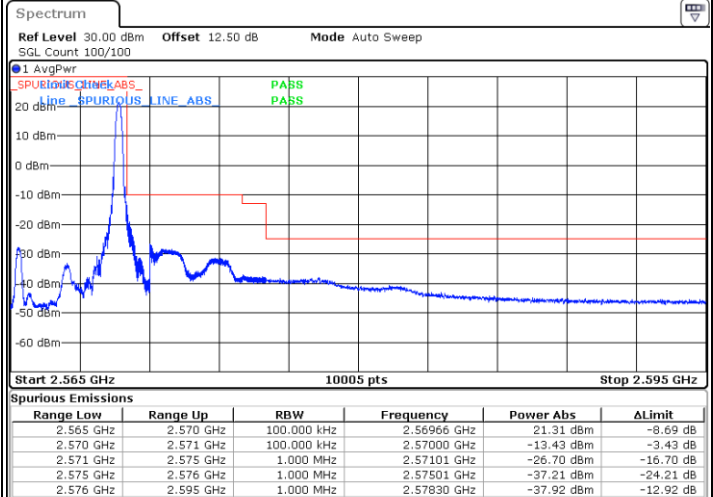
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

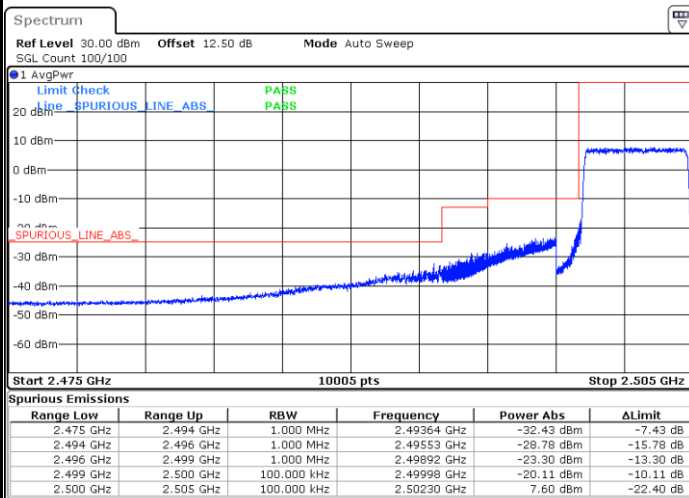
Lowest Band Edge / 1 RB



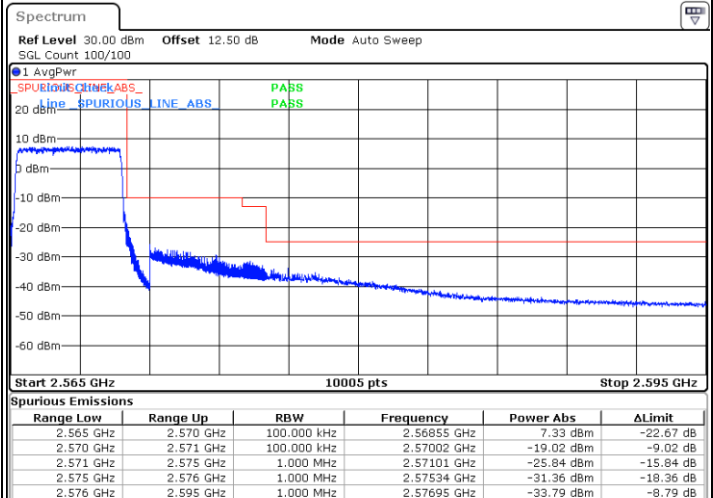
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



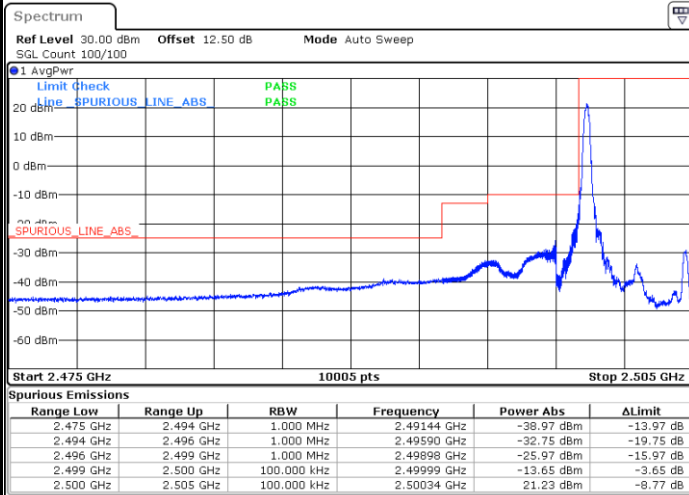
Highest Band Edge / Full RB



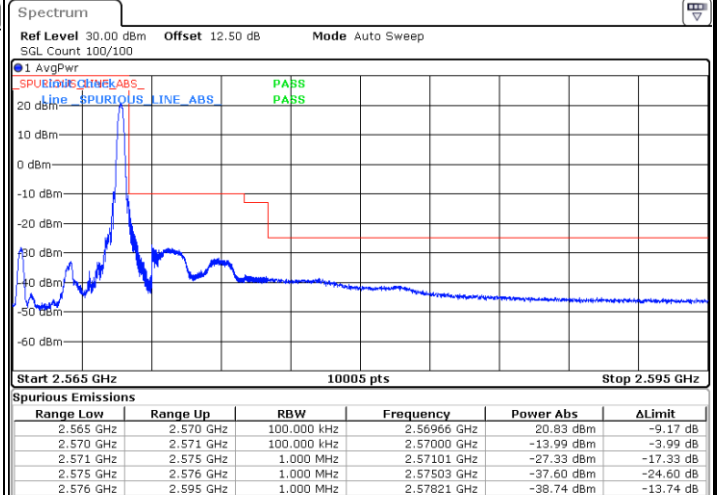


LTE Band 7 / 5MHz / 16QAM

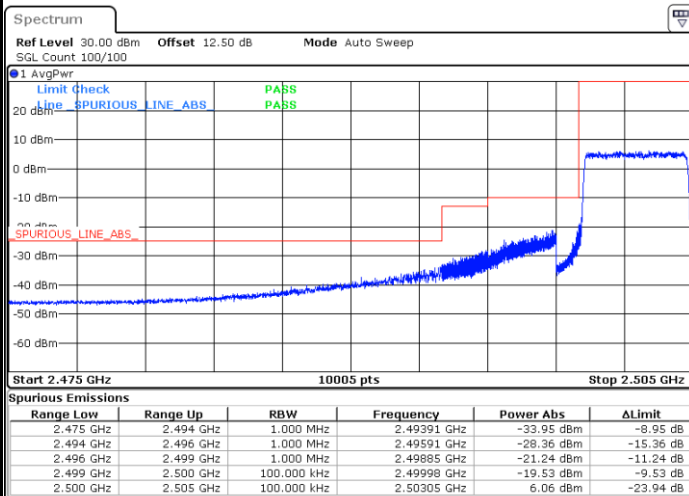
Lowest Band Edge / 1RB



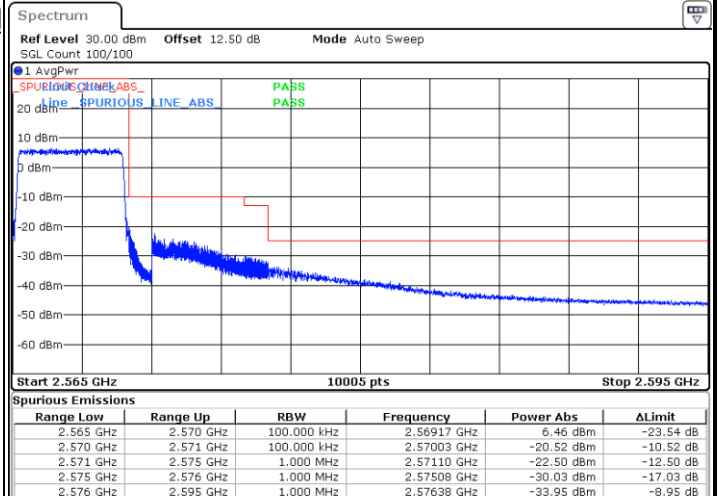
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



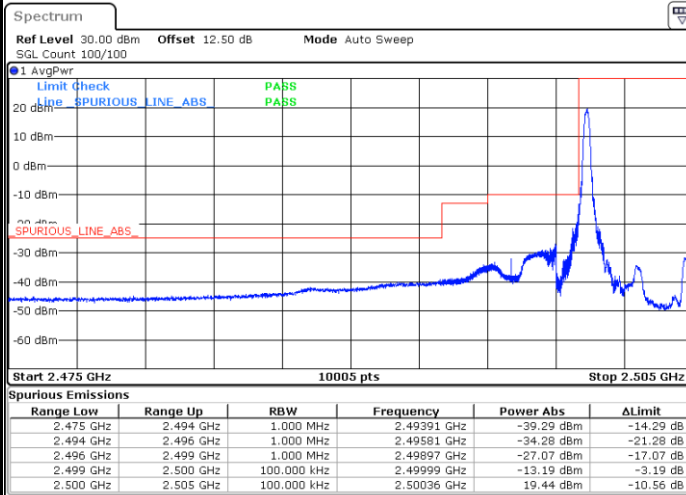
Highest Band Edge / Full RB



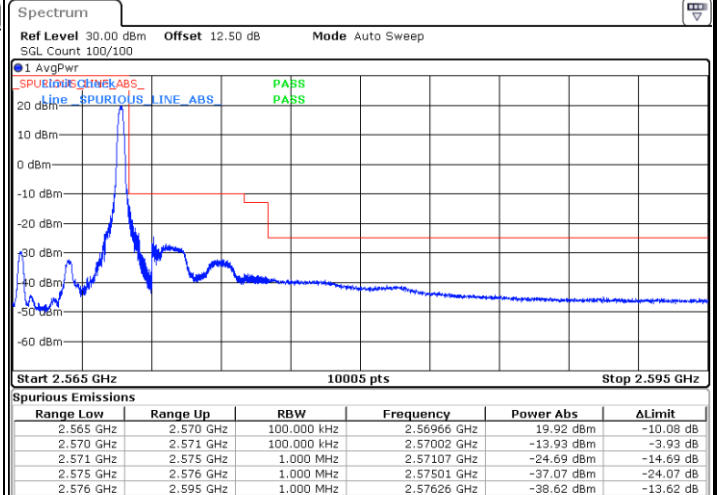


LTE Band 7 / 5MHz / 64QAM

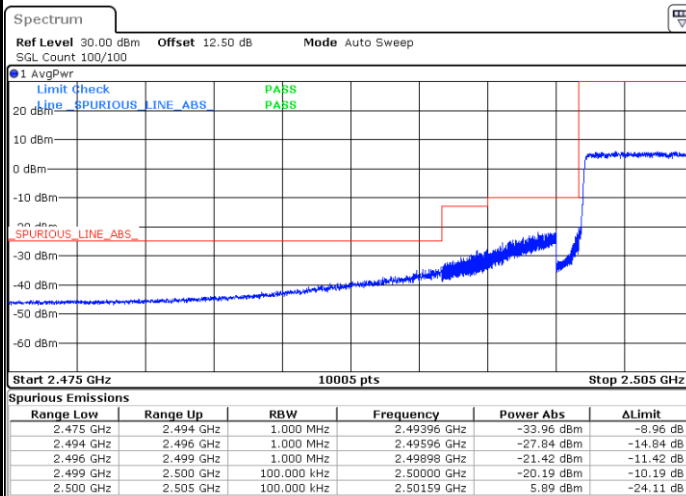
Lowest Band Edge / 1RB



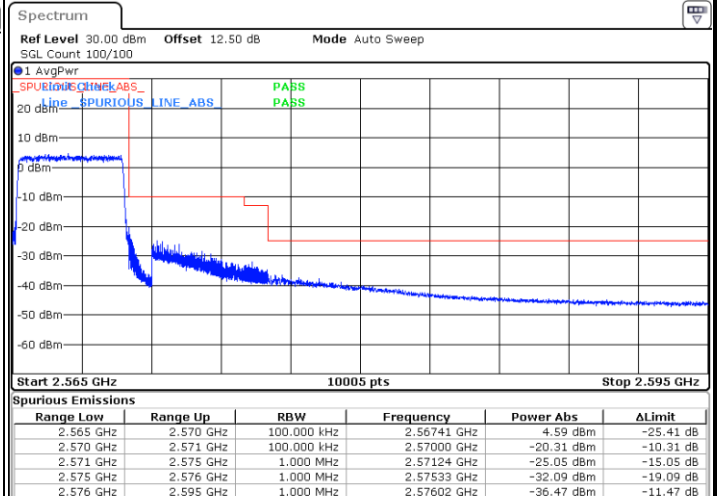
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



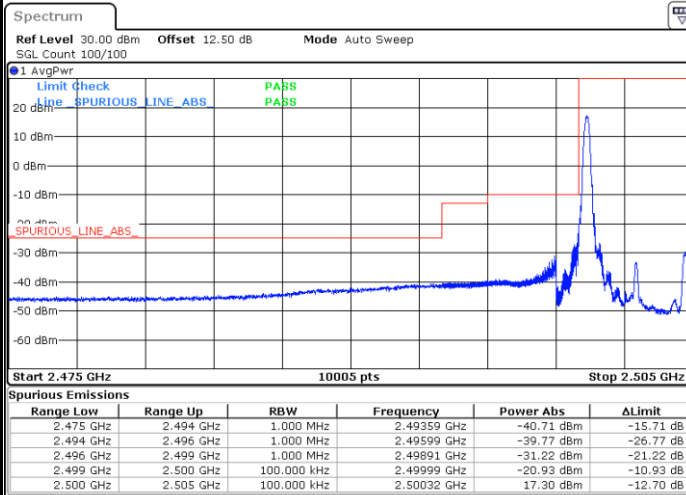
Highest Band Edge / Full RB



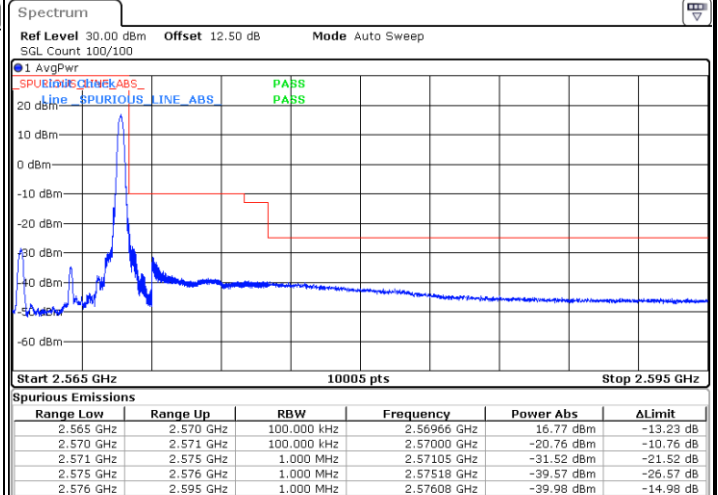


LTE Band 7 / 5MHz / 256QAM

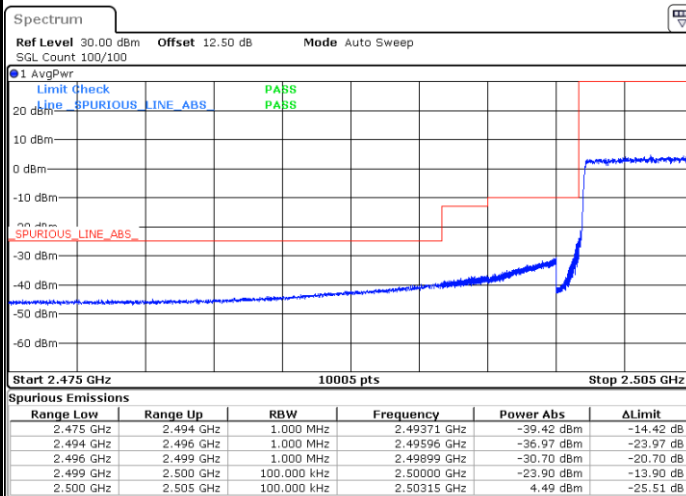
Lowest Band Edge / 1RB



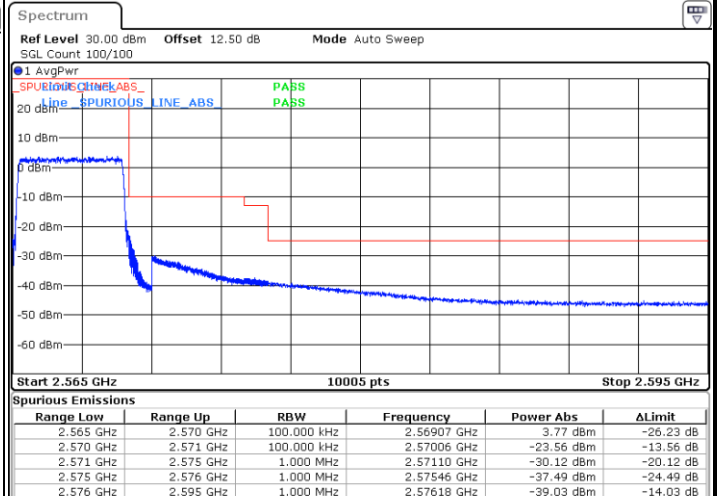
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



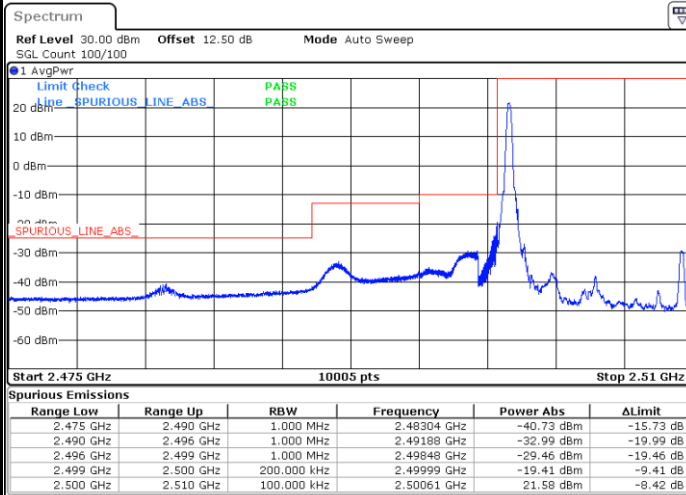
Highest Band Edge / Full RB





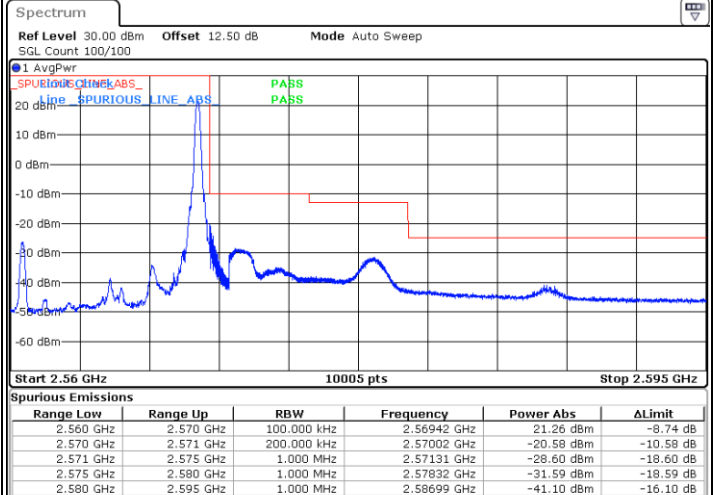
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



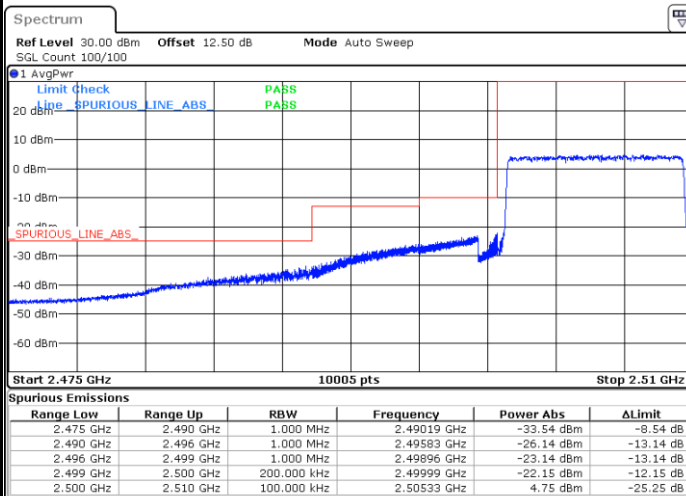
Date: 24.APR.2022 07:07:09

Highest Band Edge / 1 RB



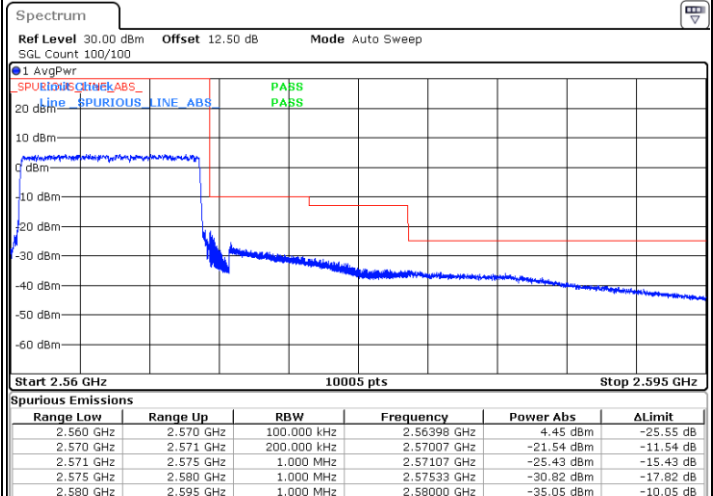
Date: 24.APR.2022 07:13:58

Lowest Band Edge / Full RB



Date: 24.APR.2022 07:09:27

Highest Band Edge / Full RB

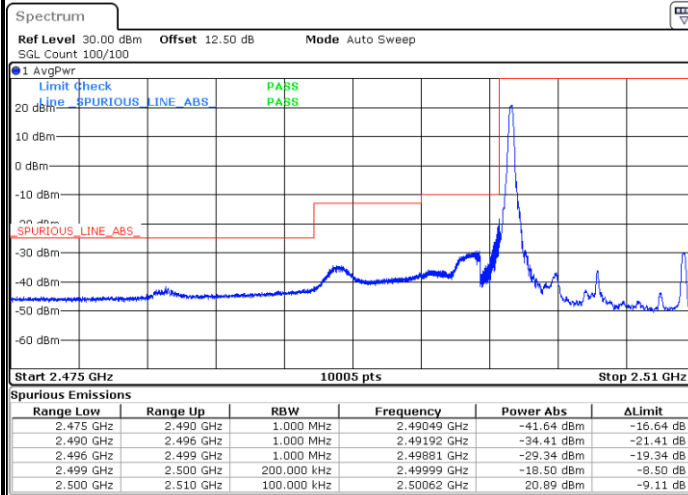


Date: 24.APR.2022 07:16:16

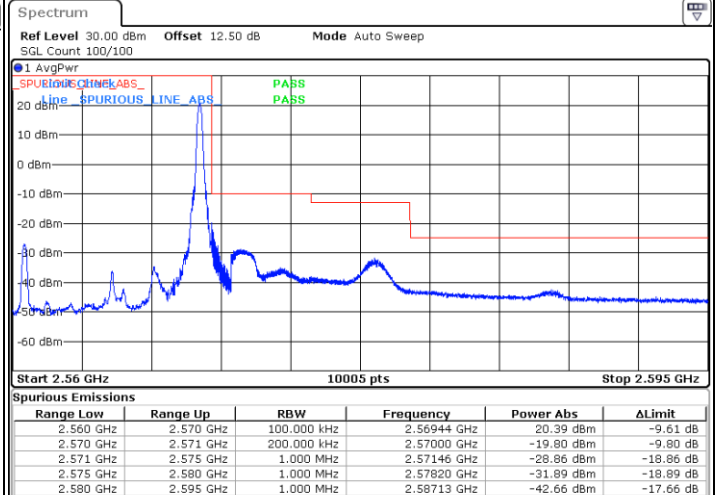


LTE Band 7 / 10MHz / 16QAM

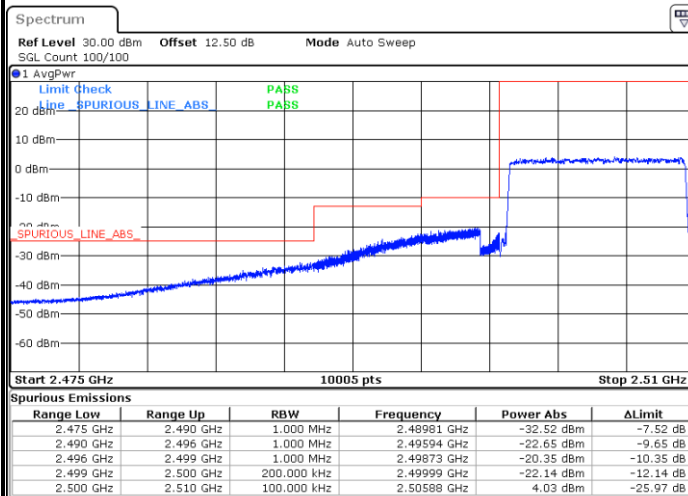
Lowest Band Edge / 1 RB



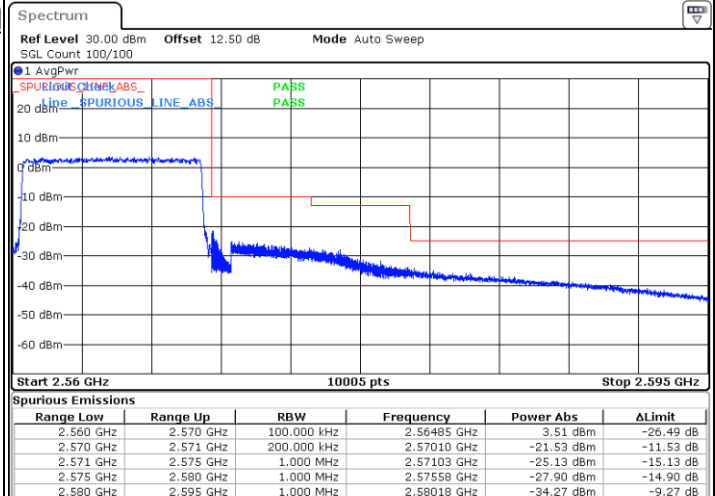
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



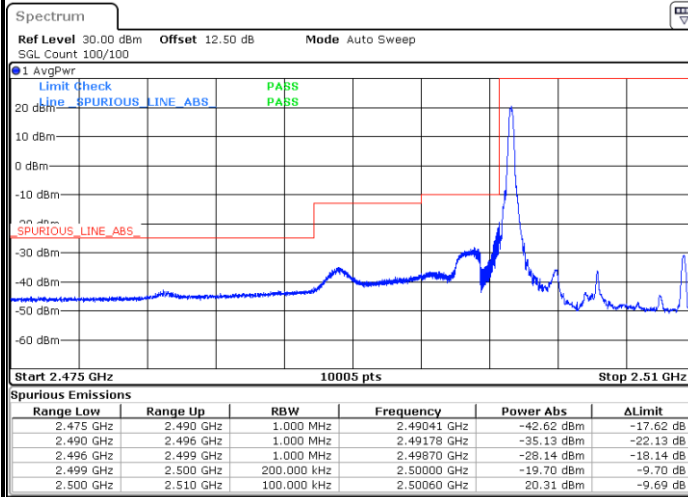
Highest Band Edge / Full RB





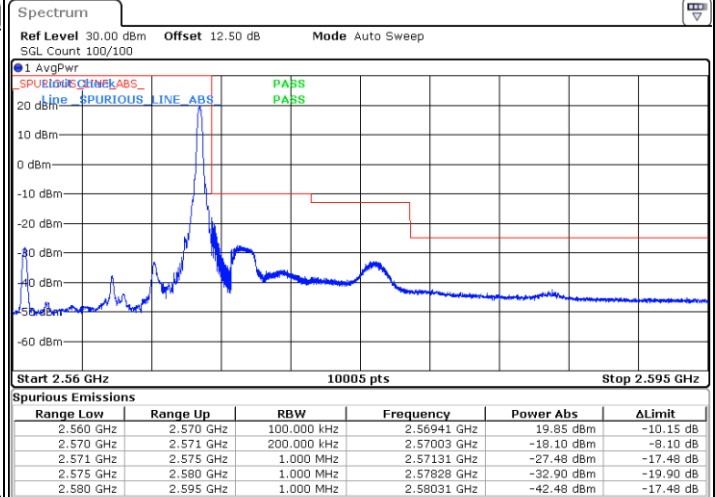
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



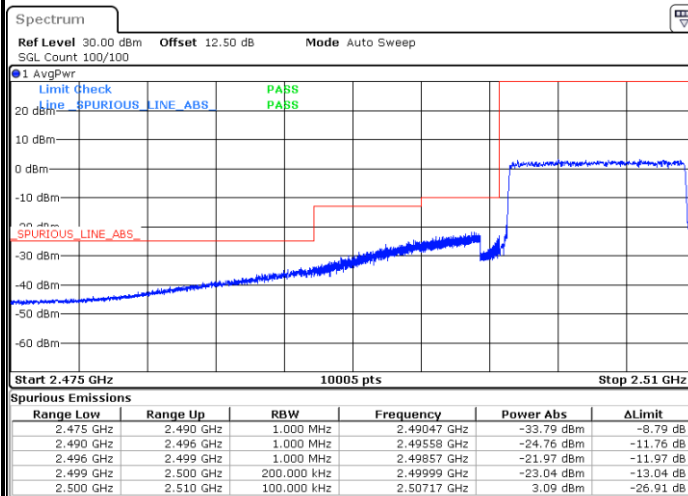
Date: 24.APR.2022 07:19:41

Highest Band Edge / 1 RB



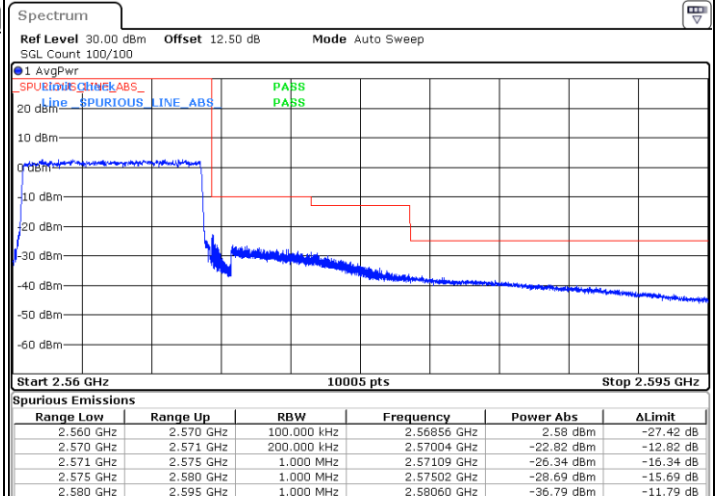
Date: 24.APR.2022 07:21:59

Lowest Band Edge / Full RB



Date: 24.APR.2022 07:20:50

Highest Band Edge / Full RB

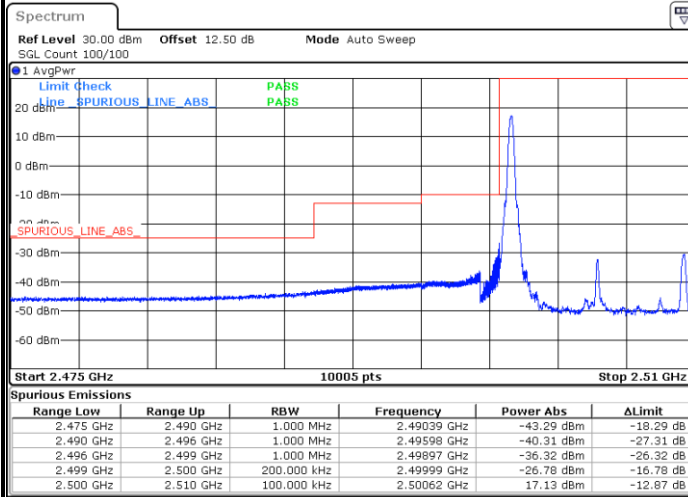


Date: 24.APR.2022 07:23:08

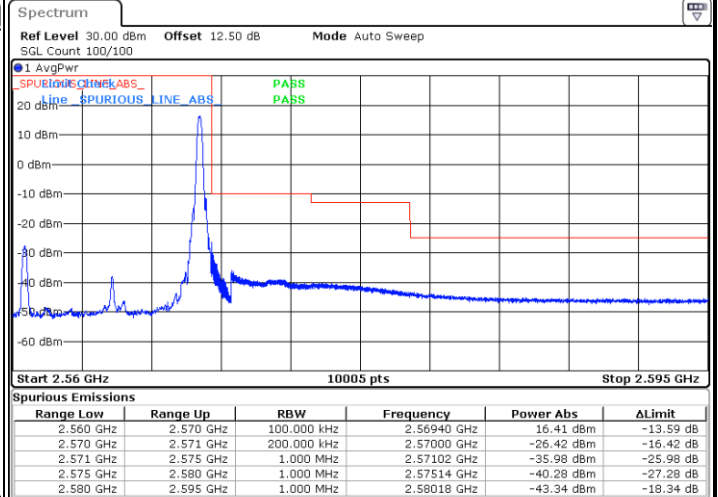


LTE Band 7 / 10MHz / 256QAM

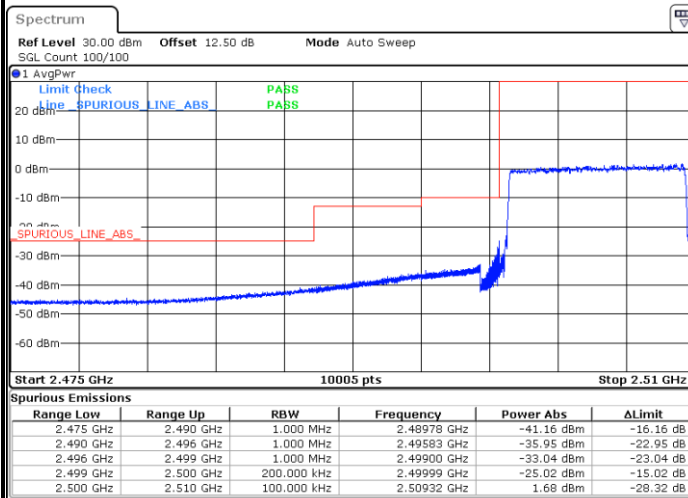
Lowest Band Edge / 1 RB



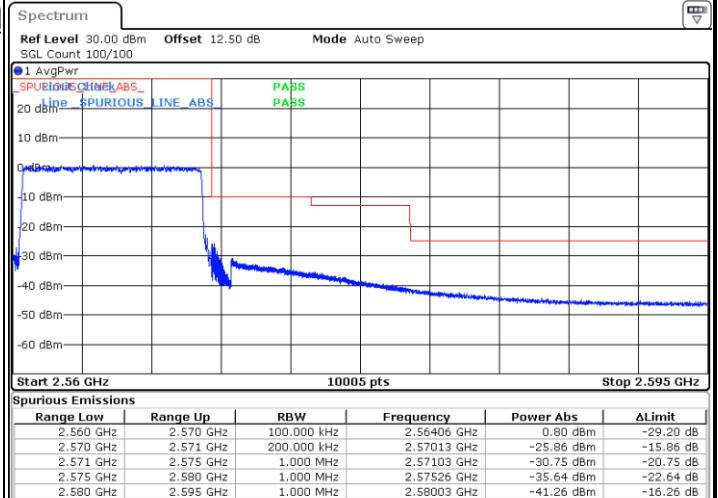
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



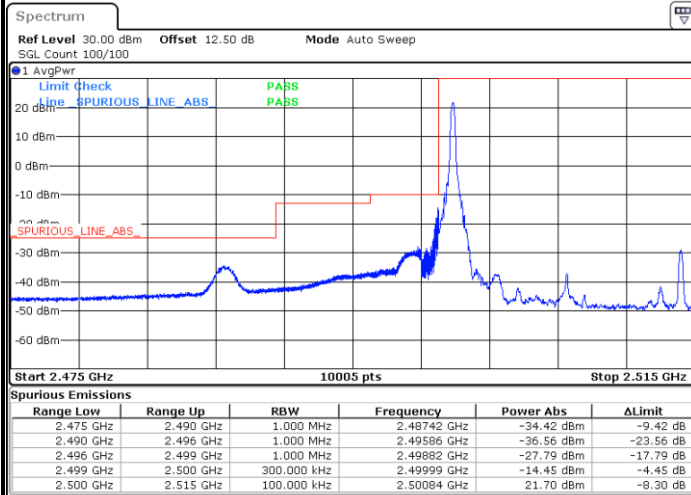
Highest Band Edge / Full RB



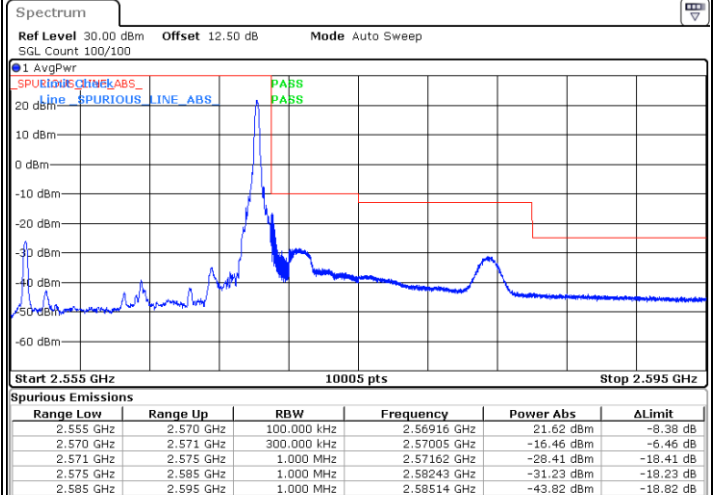


LTE Band 7 / 15MHz / QPSK

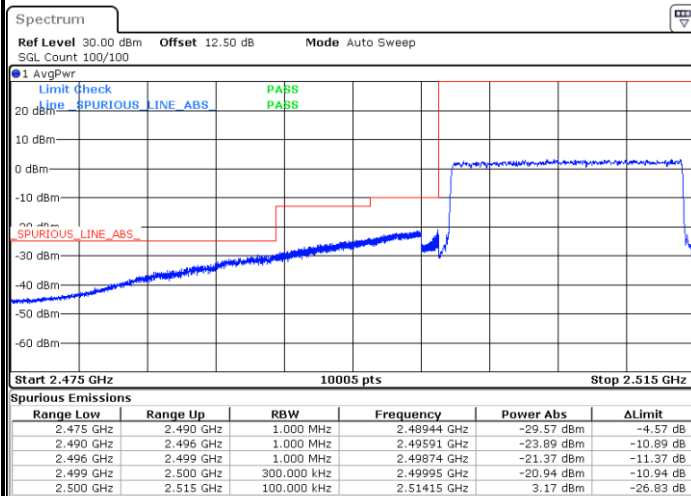
Lowest Band Edge / 1 RB



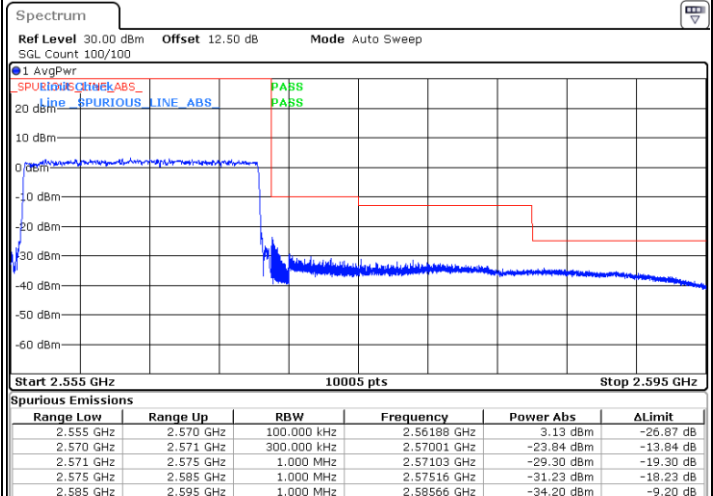
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



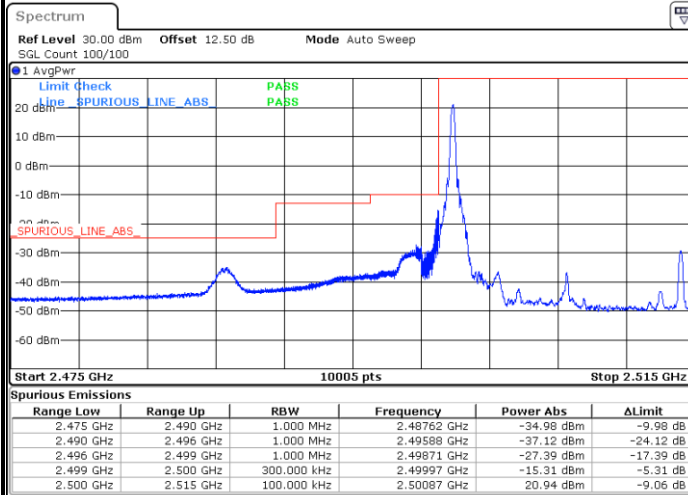
Highest Band Edge / Full RB



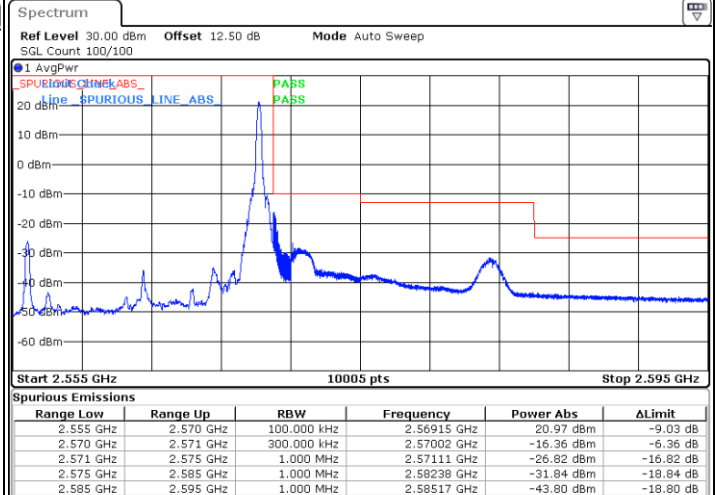


LTE Band 7 / 15MHz / 16QAM

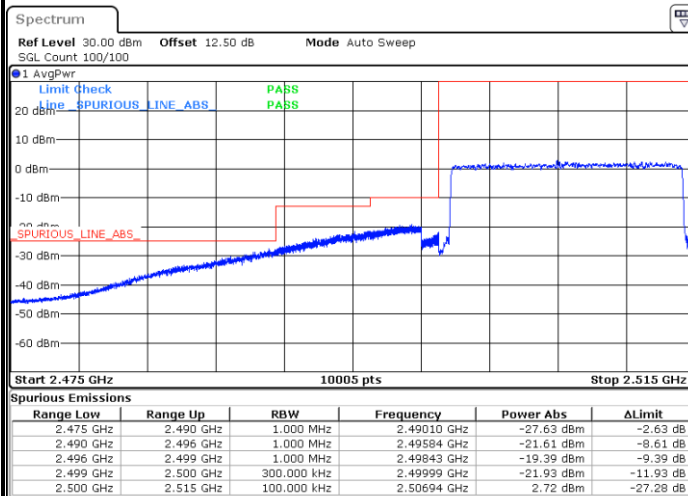
Lowest Band Edge / 1 RB



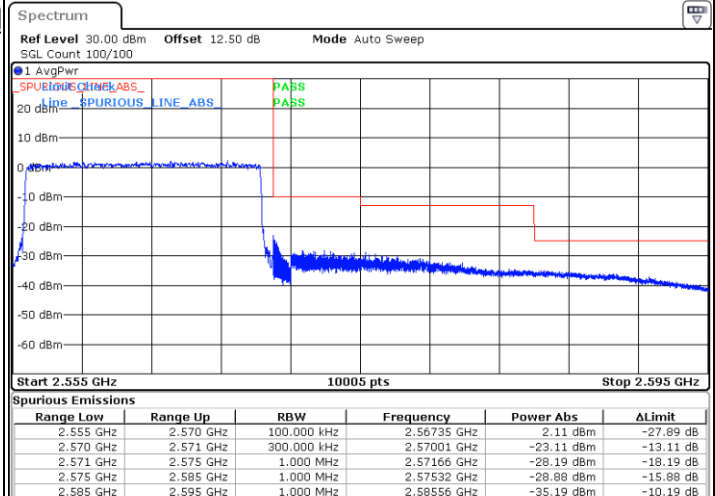
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



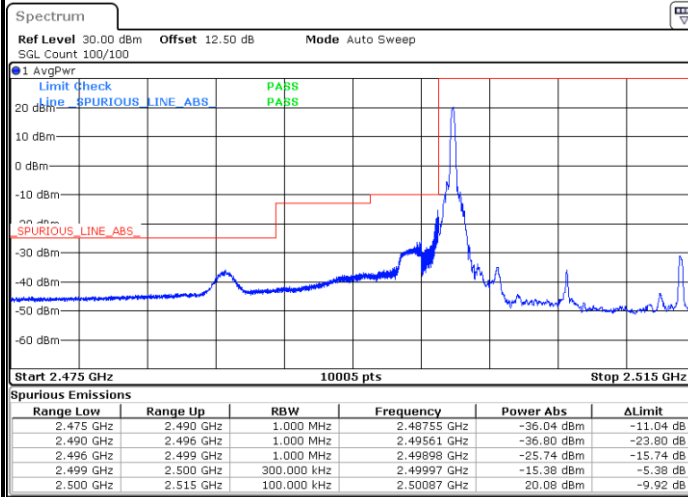
Highest Band Edge / Full RB



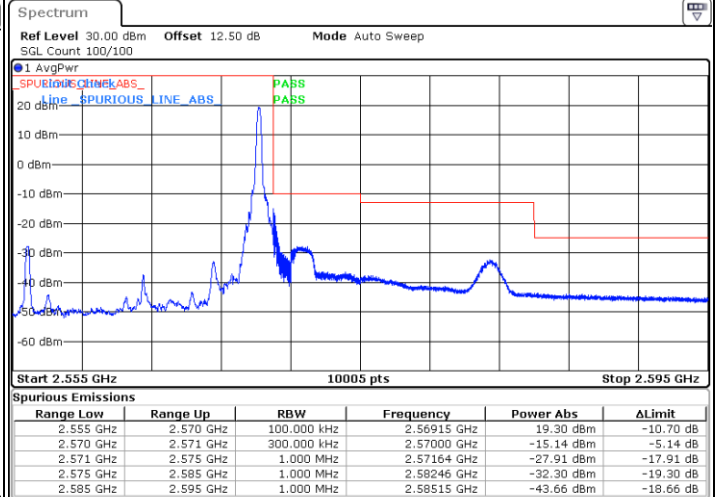


LTE Band 7 / 15MHz / 64QAM

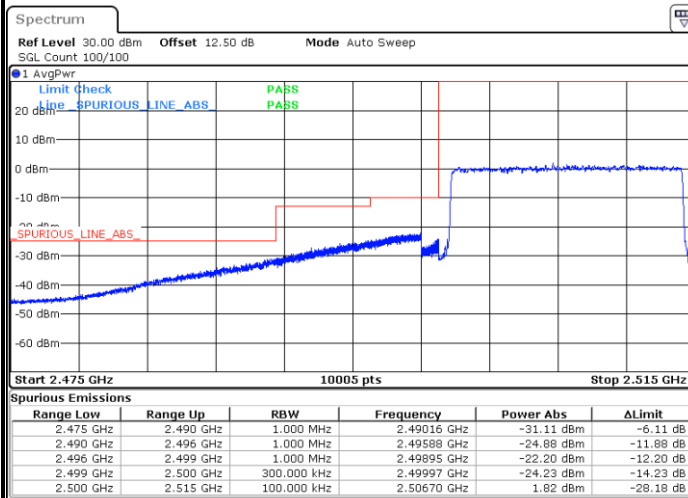
Lowest Band Edge / 1 RB



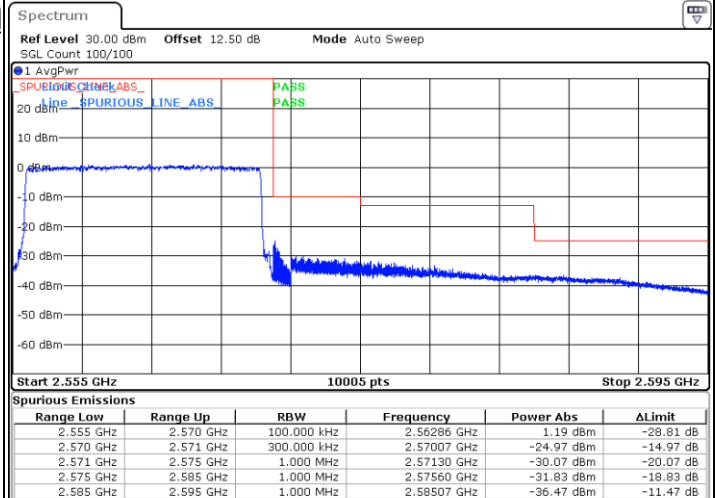
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



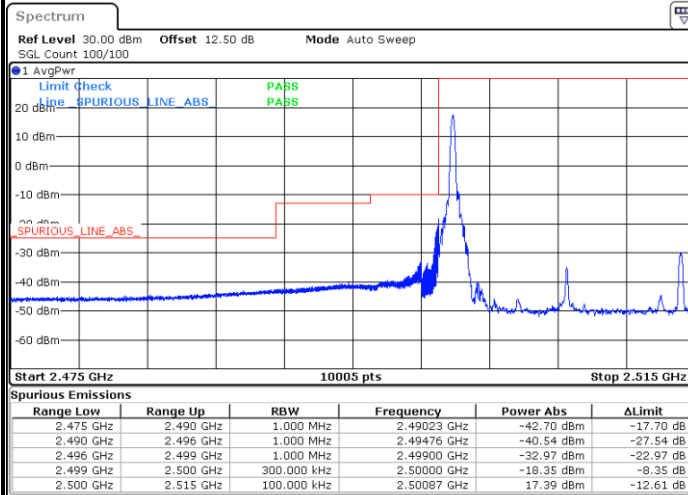
Highest Band Edge / Full RB



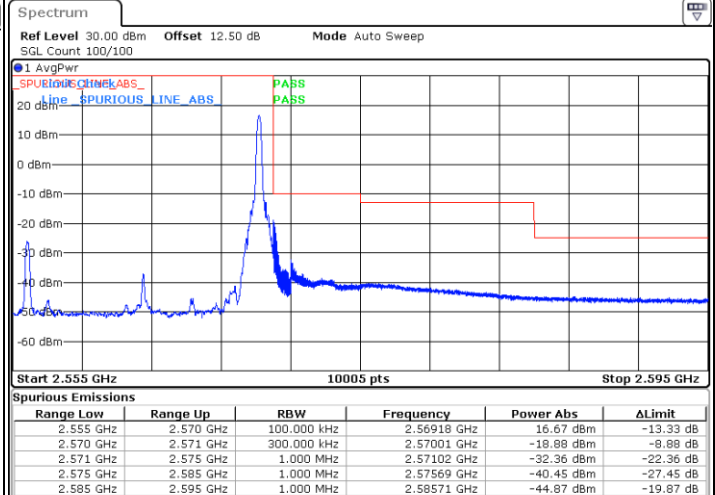


LTE Band 7 / 15MHz / 256QAM

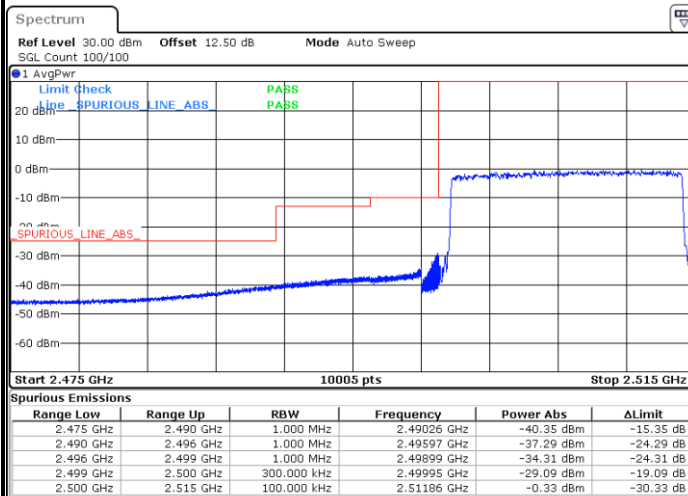
Lowest Band Edge / 1 RB



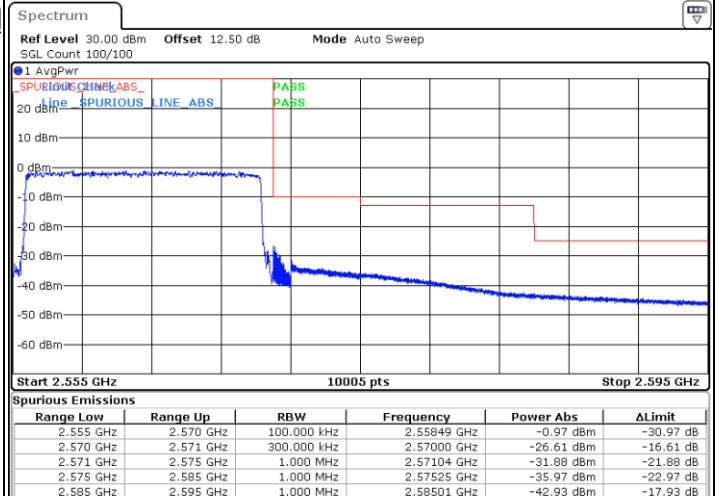
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



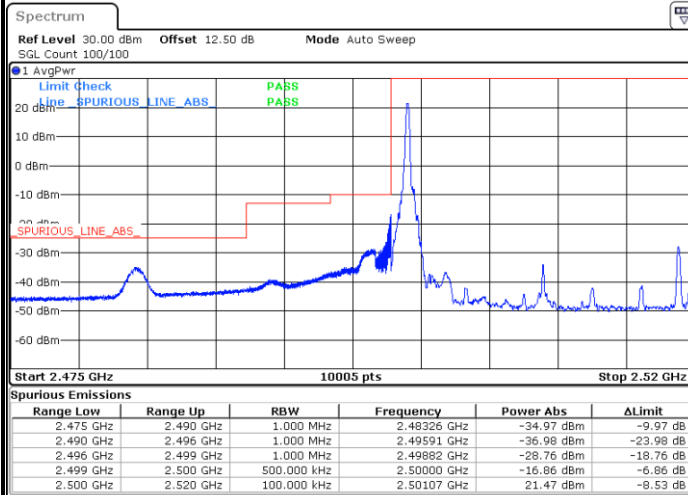
Highest Band Edge / Full RB



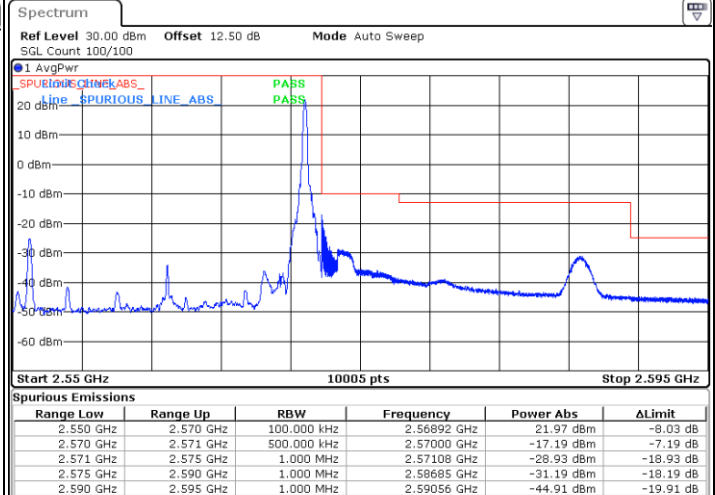


LTE Band 7 / 20MHz / QPSK

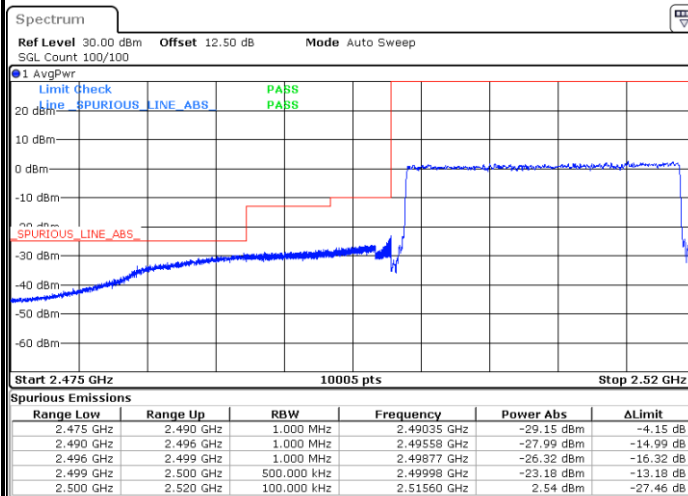
Lowest Band Edge / 1 RB



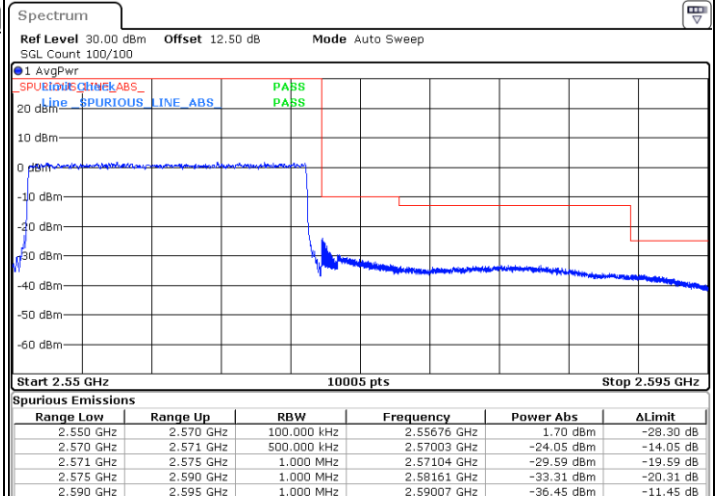
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



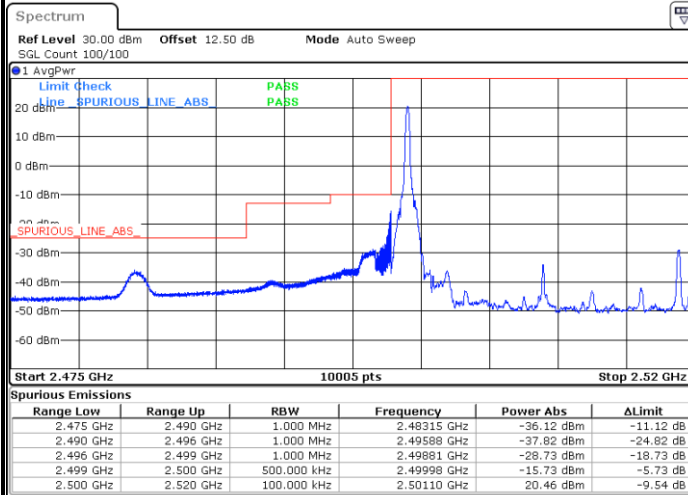
Highest Band Edge / Full RB



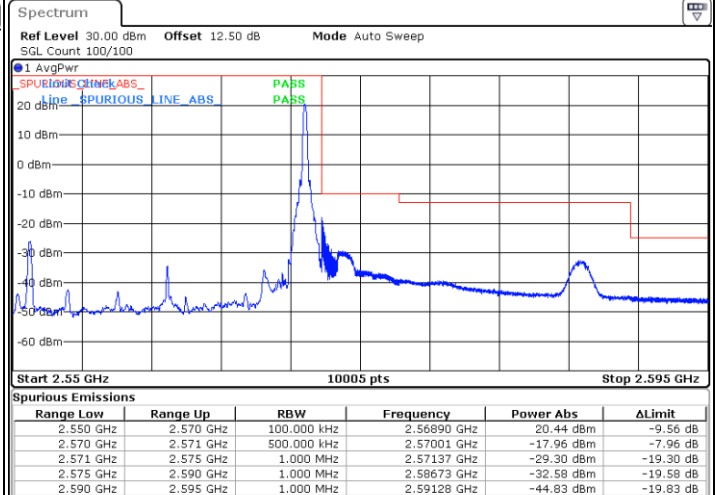


LTE Band 7 / 20MHz / 16QAM

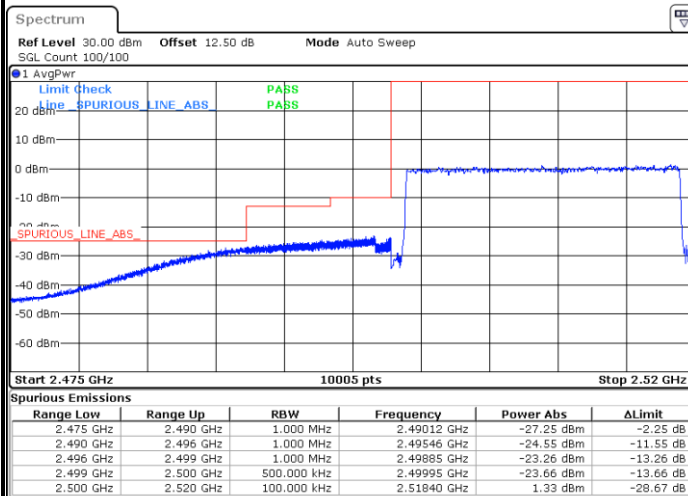
Lowest Band Edge / 1 RB



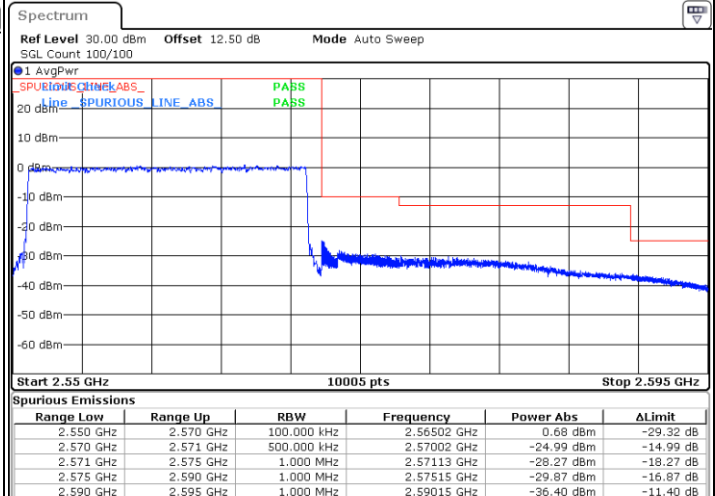
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



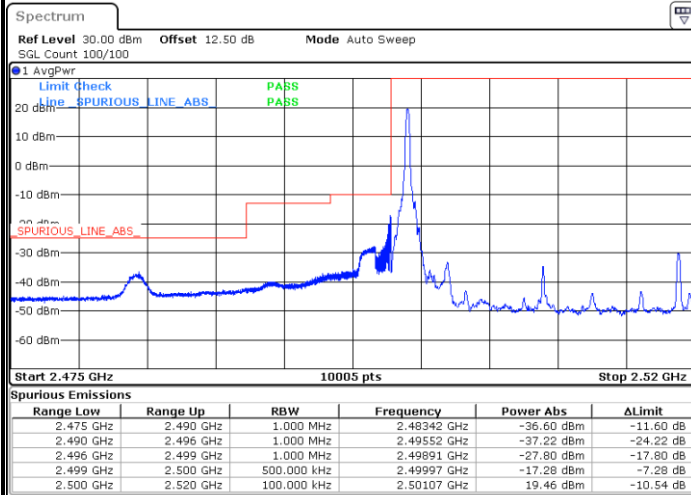
Highest Band Edge / Full RB



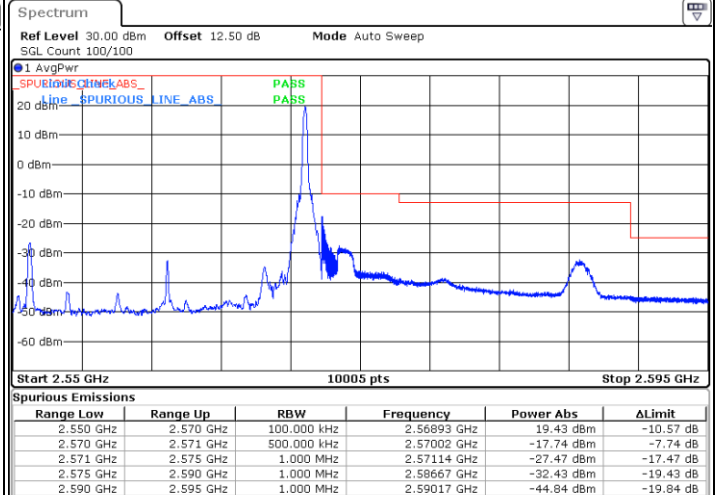


LTE Band 7 / 20MHz / 64QAM

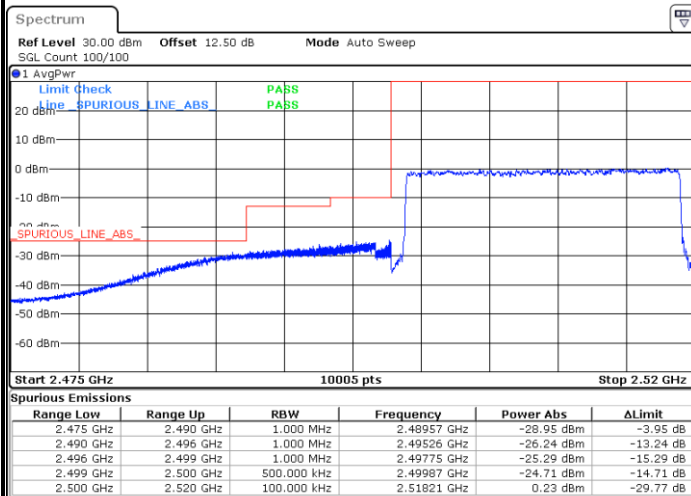
Lowest Band Edge / 1 RB



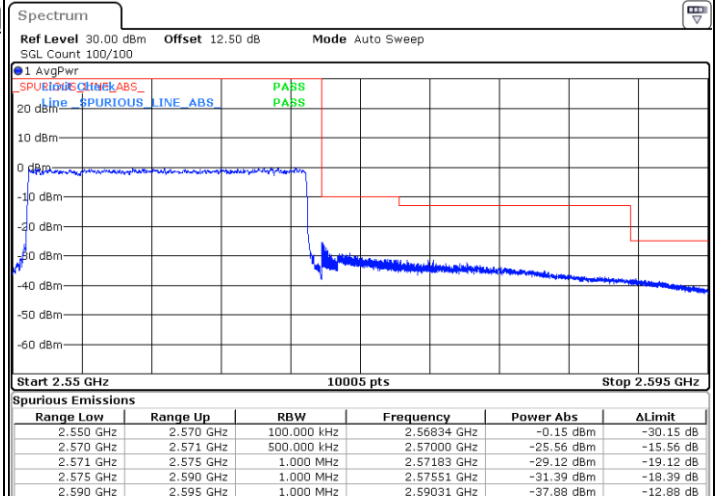
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



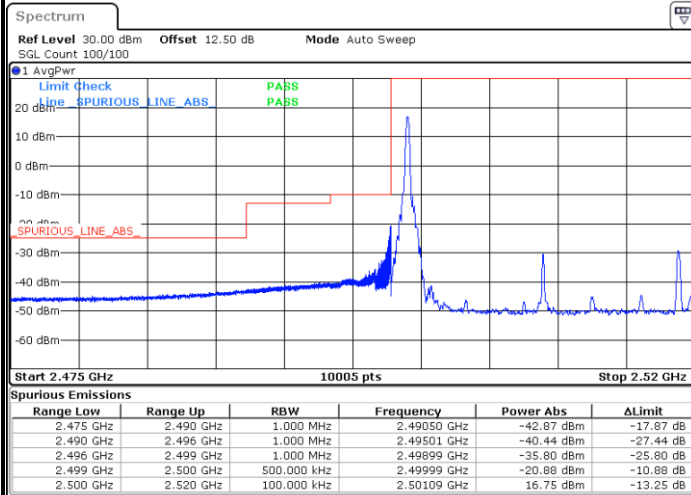
Highest Band Edge / Full RB





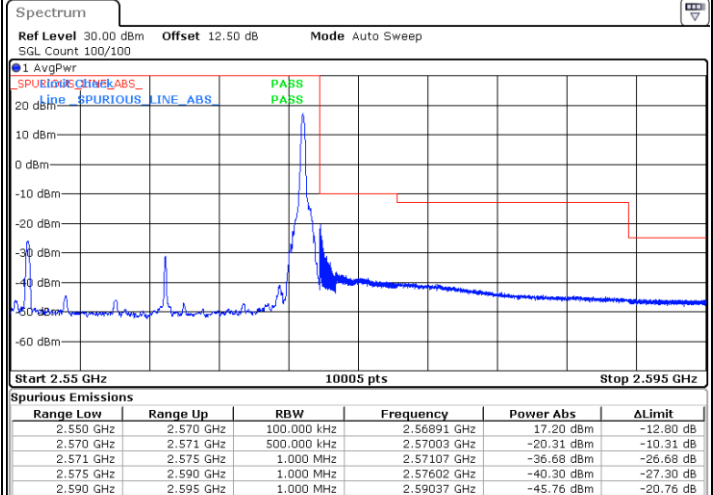
LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



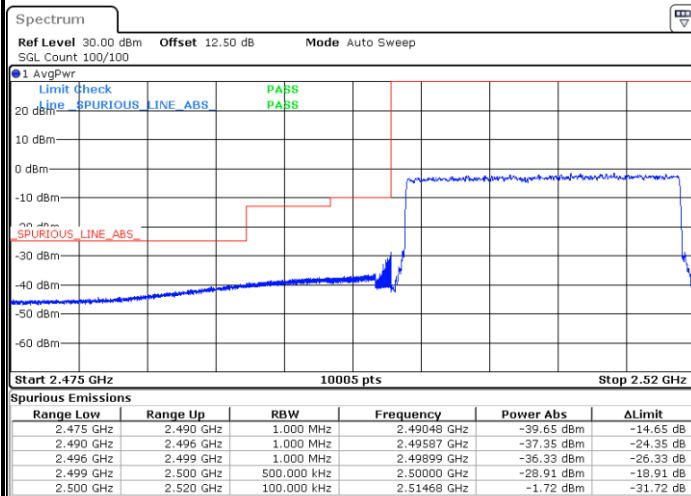
Date: 24.APR.2022 08:29:37

Highest Band Edge / 1 RB



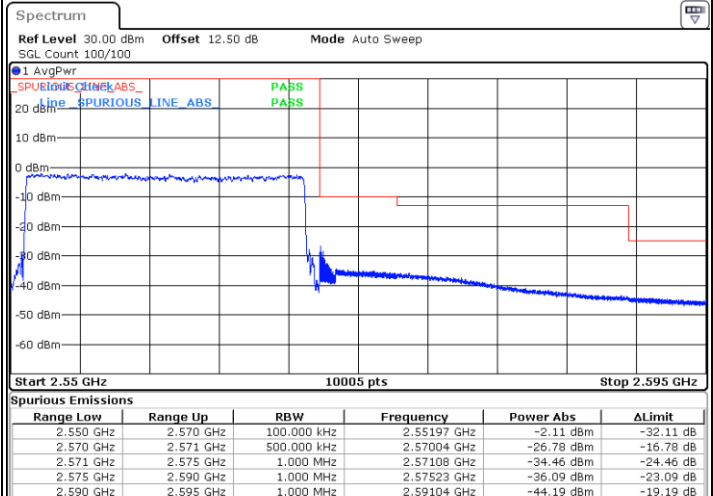
Date: 24.APR.2022 08:31:57

Lowest Band Edge / Full RB



Date: 24.APR.2022 08:30:47

Highest Band Edge / Full RB



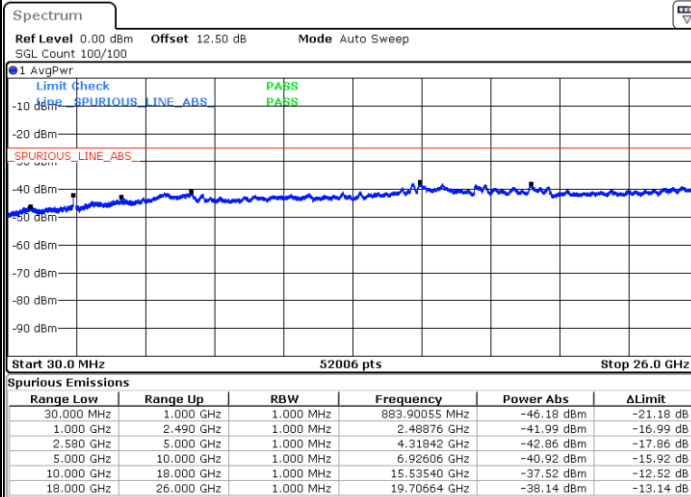
Date: 24.APR.2022 08:33:02



Conducted Spurious Emission

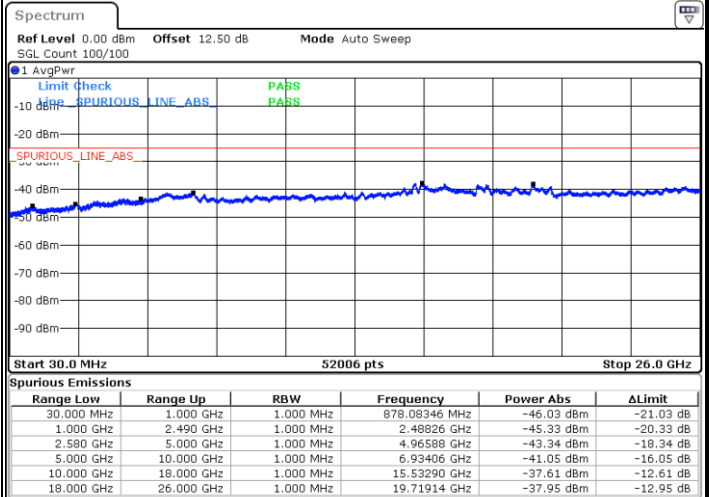
LTE Band 7 / 5MHz

Lowest Channel / QPSK



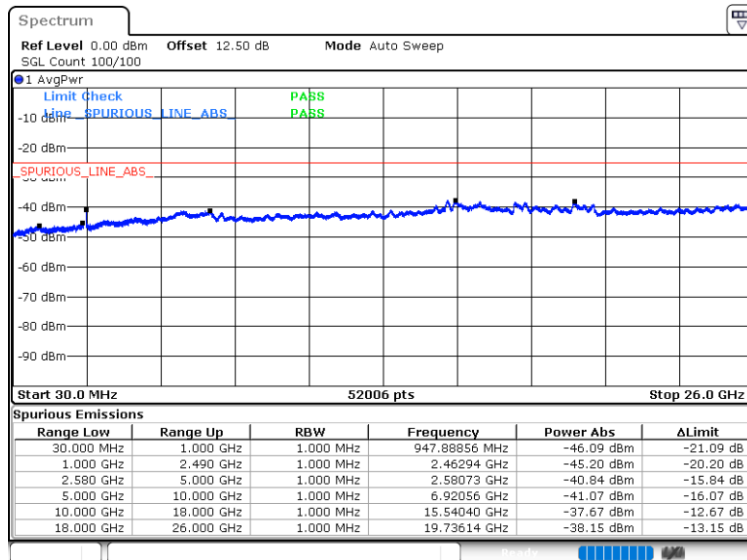
Date: 24.APR.2022 08:57:26

Middle Channel / QPSK



Date: 24.APR.2022 08:58:41

Highest Channel / QPSK

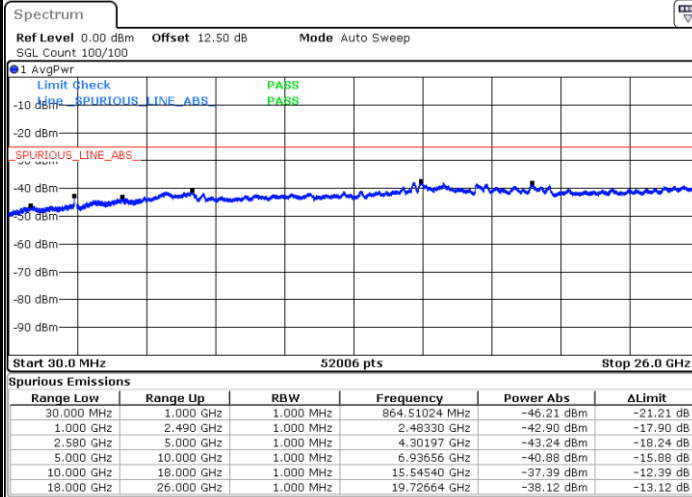


Date: 24.APR.2022 08:59:56



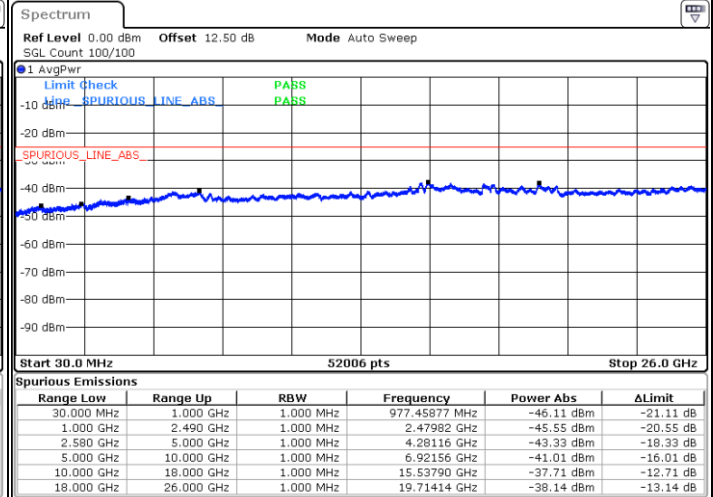
LTE Band 7 / 10MHz

Lowest Channel / QPSK



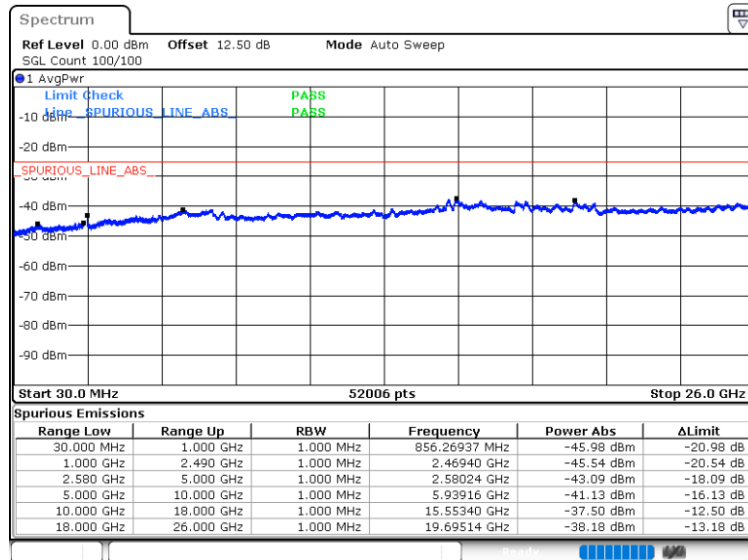
Date: 24.APR.2022 09:01:57

Middle Channel / QPSK



Date: 24.APR.2022 09:03:11

Highest Channel / QPSK

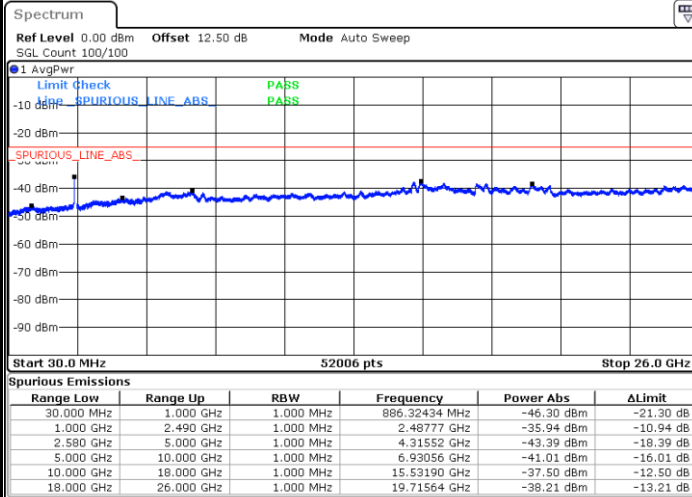


Date: 24.APR.2022 09:04:26



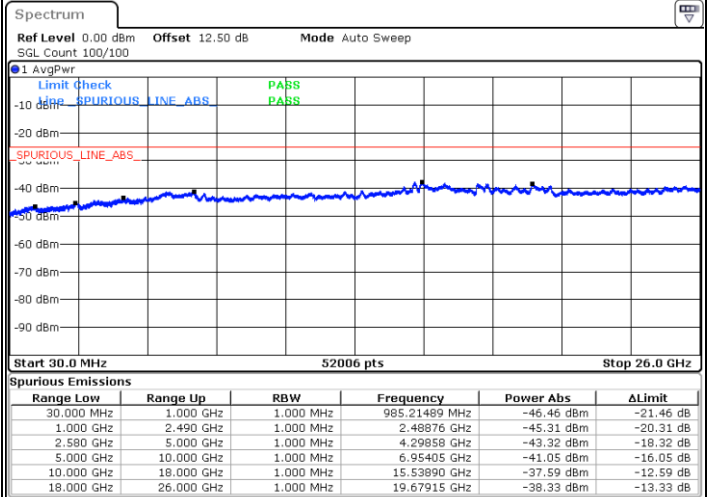
LTE Band 7 / 15MHz

Lowest Channel / QPSK



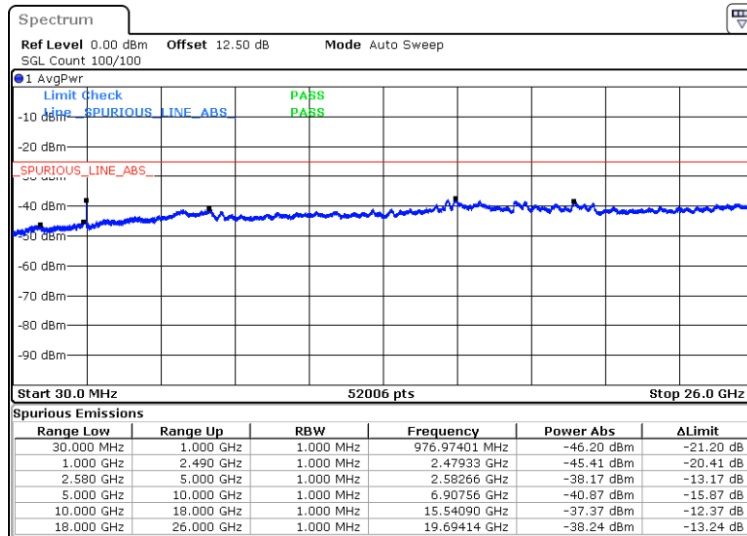
Date: 24.APR.2022 09:05:43

Middle Channel / QPSK



Date: 24.APR.2022 09:06:58

Highest Channel / QPSK

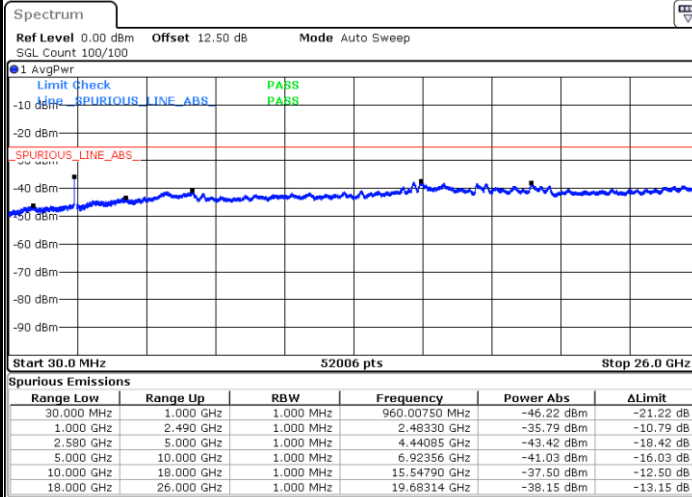


Date: 24.APR.2022 09:08:12



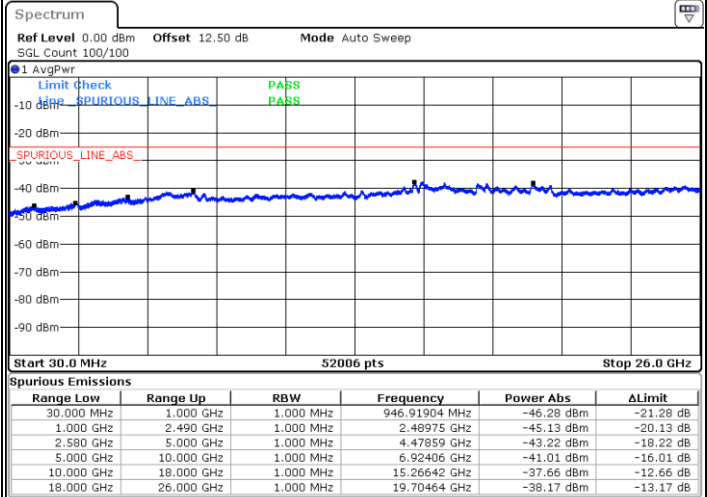
LTE Band 7 / 20MHz

Lowest Channel / QPSK



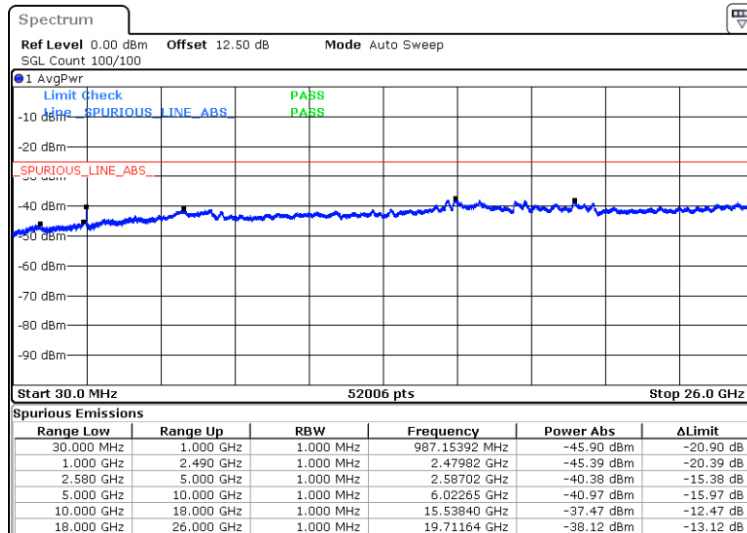
Date: 24.APR.2022 09:09:30

Middle Channel / QPSK



Date: 24.APR.2022 09:10:44

Highest Channel / QPSK



Date: 24.APR.2022 09:11:59

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	0.0008	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0040	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0036	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0034	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.40 V. ; Maximum Voltage =4.30 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7C

26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	30.03	25.43	30.51	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.33	34.97	40.28	

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	30.09	25.33	30.93	35.11
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	34.97	39.48	

Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	30.03	25.28	30.63	34.83
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.91	34.97	40.20	

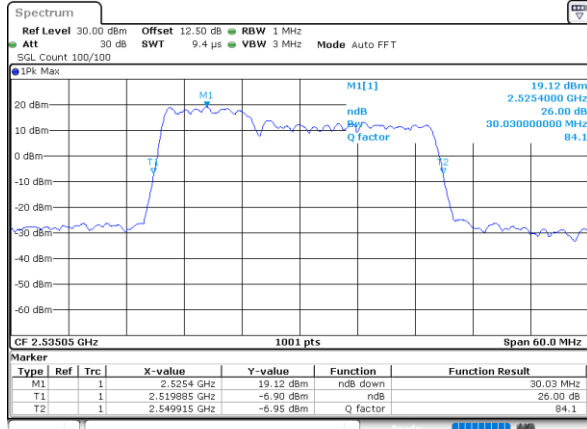
Mode	LTE Band 7C : 26dB BW(MHz)			
256QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	30.03	25.08	30.57	34.83
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.97	34.83	40.36	



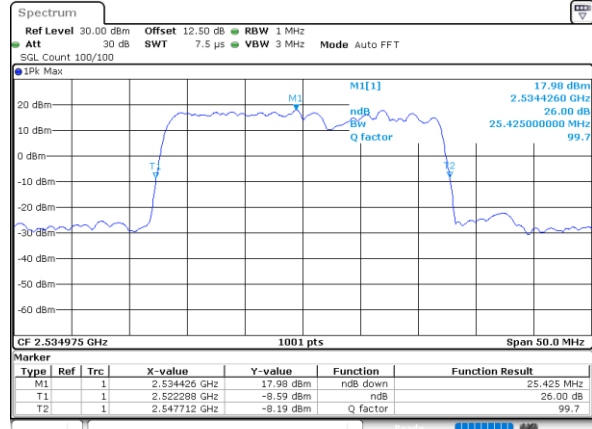
LTE Band 7C

QPSK

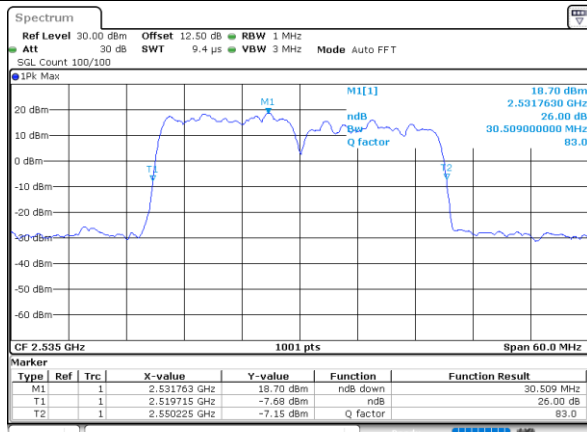
Middle Channel / 10MHz+20MHz



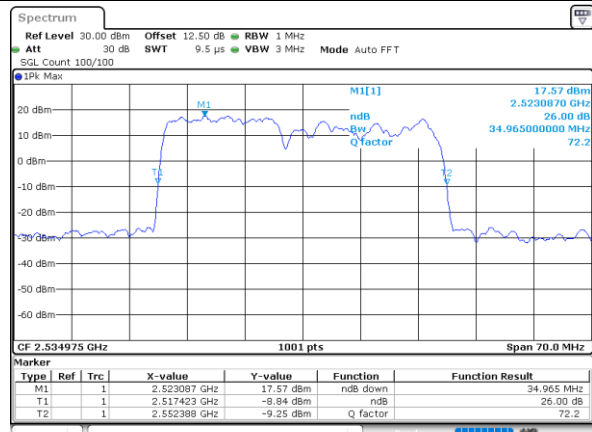
Middle Channel / 15MHz+10MHz



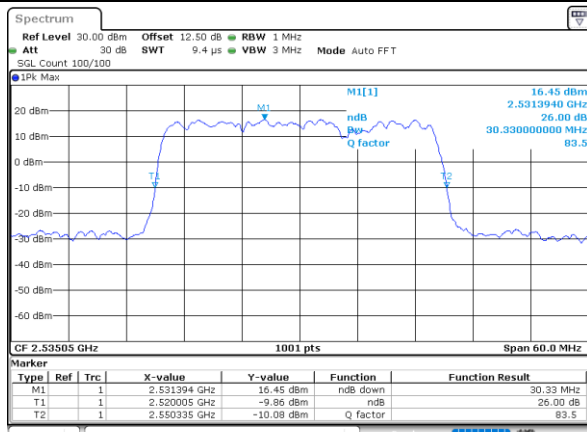
Middle Channel / 15MHz+15MHz



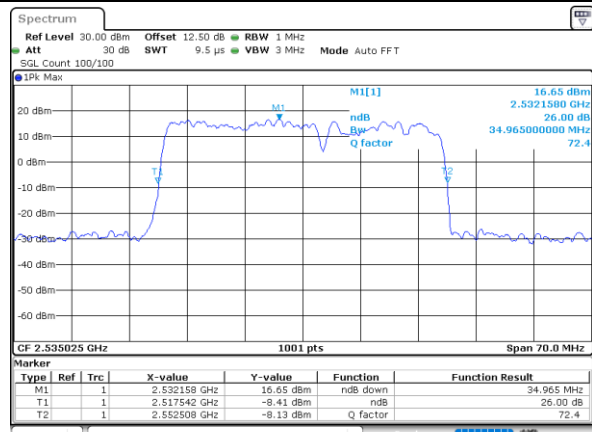
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



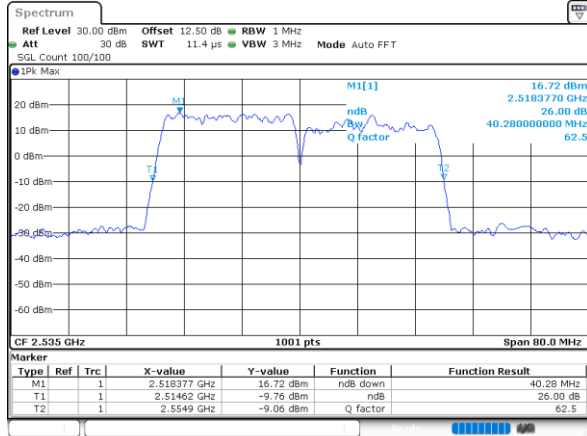


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



Date: 21.MAY.2022 04:44:57