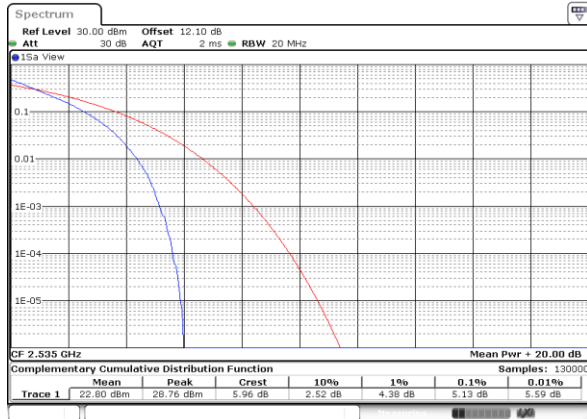
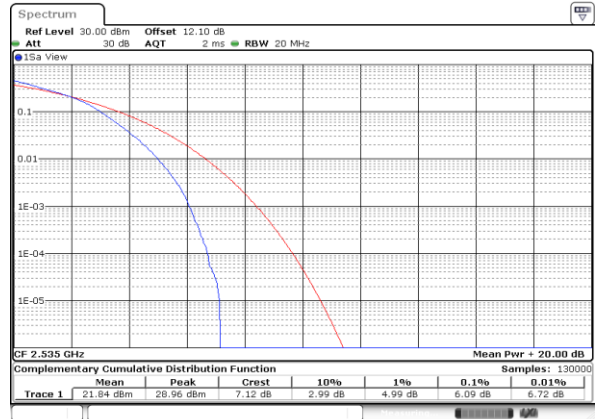
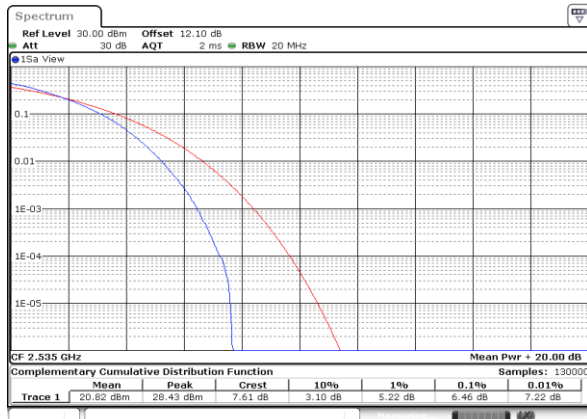


LTE Band 7 / 20MHz / QPSK
Middle Channel / Full RB


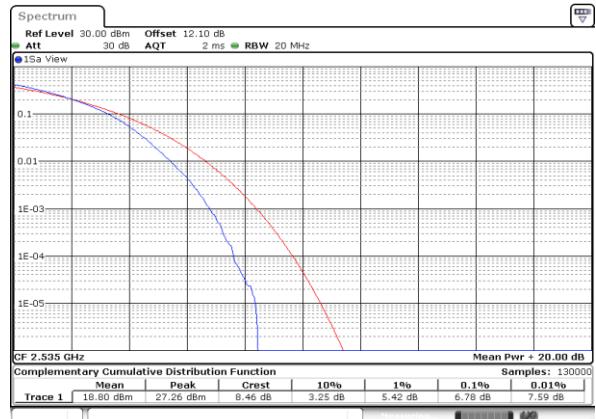
Date: 26.DEC.2023 17:32:25

LTE Band 7 / 20MHz / 16QAM
Middle Channel / Full RB


Date: 26.DEC.2023 17:32:01

LTE Band 7 / 20MHz / 64QAM
Middle Channel / Full RB


Date: 26.DEC.2023 17:32:49

LTE Band 7 / 20MHz / 256QAM
Middle Channel / Full RB


Date: 27.DEC.2023 10:45:32

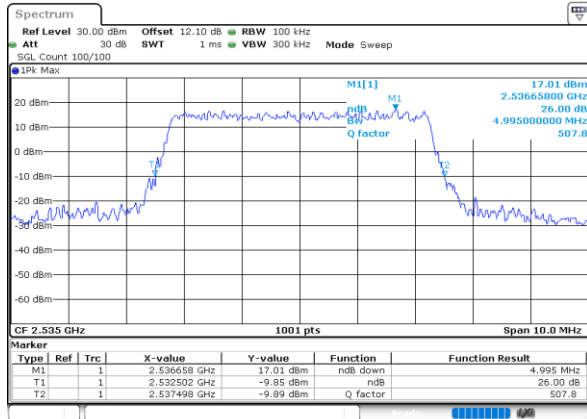
**26dB Bandwidth**

Mode	LTE Band 7 : 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	-	-	-	-	4.99	5.01	9.91	9.78	14.47	14.50	18.98	19.10
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	5.01	4.98	9.86	9.86	14.29	14.59	18.86	18.98

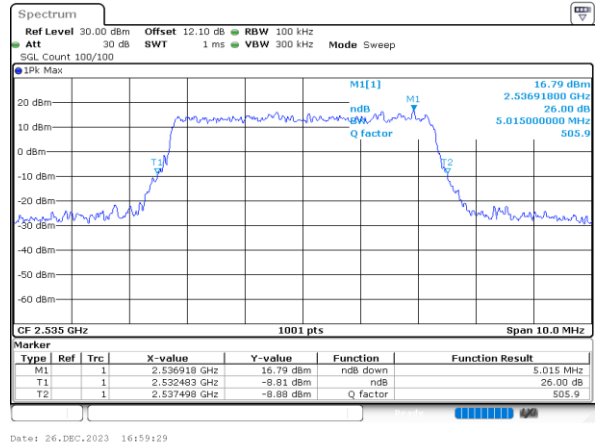


LTE Band 7

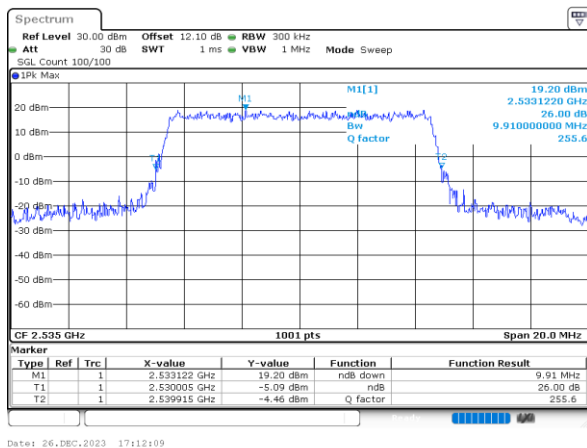
Middle Channel / 5MHz / QPSK



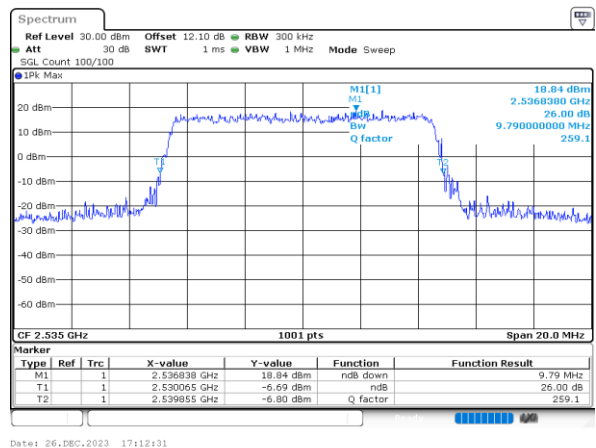
Middle Channel / 5MHz / 16QAM



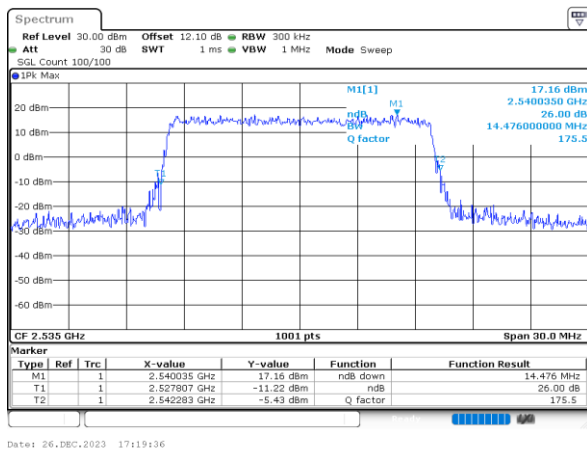
Middle Channel / 10MHz / QPSK



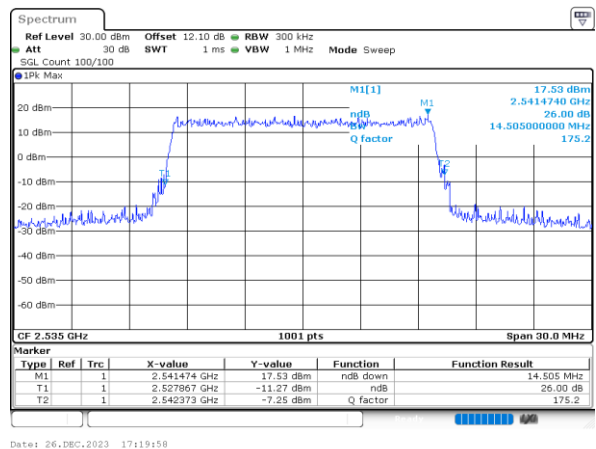
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



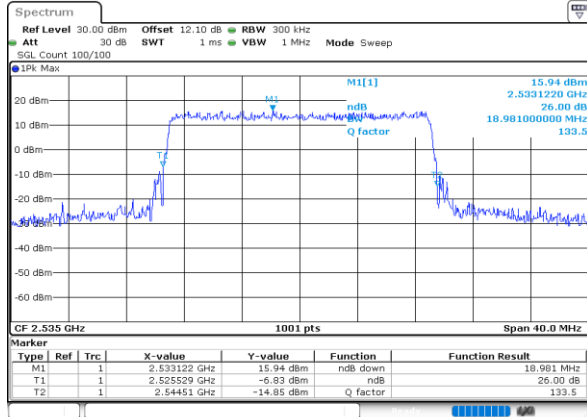
Middle Channel / 15MHz / 16QAM



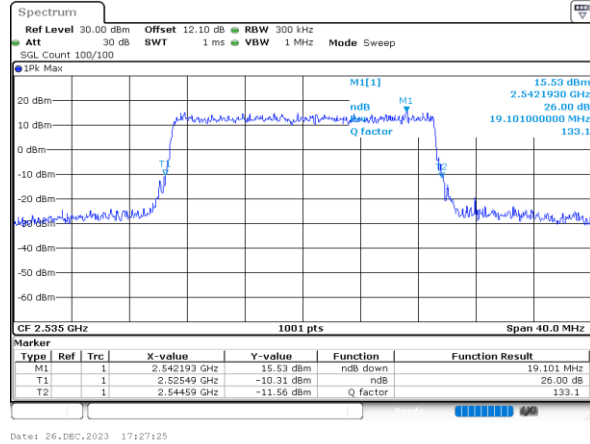


LTE Band 7

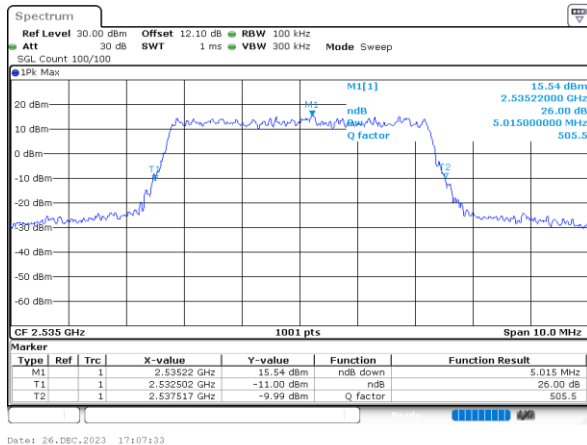
Middle Channel / 20MHz / QPSK



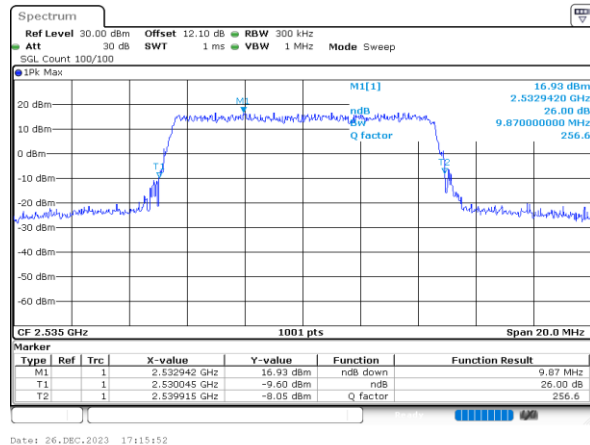
Middle Channel / 20MHz / 16QAM



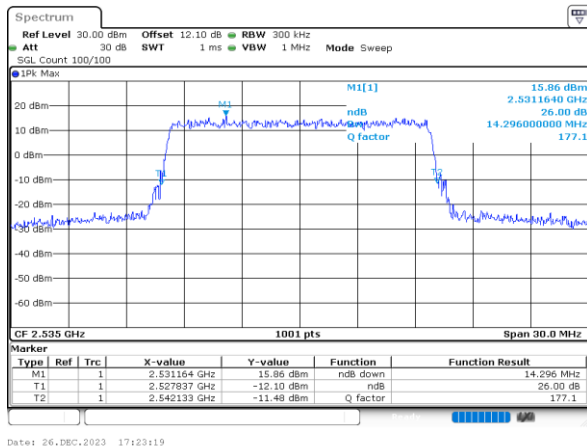
Middle Channel / 5MHz / 64QAM



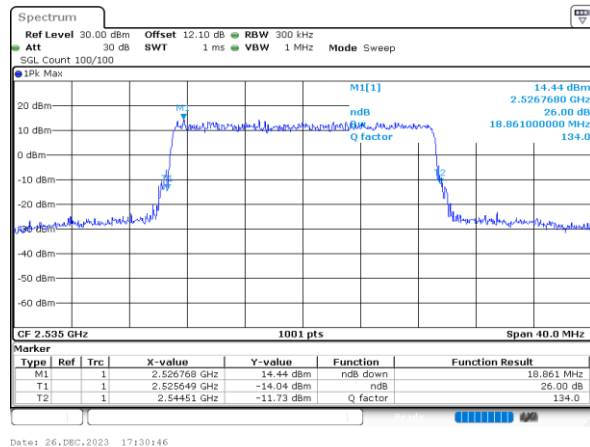
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



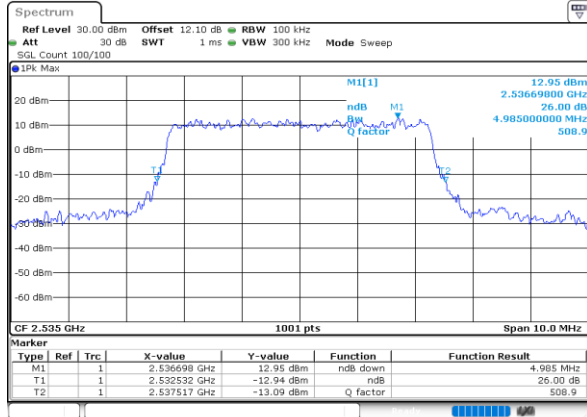
Middle Channel / 20MHz / 64QAM



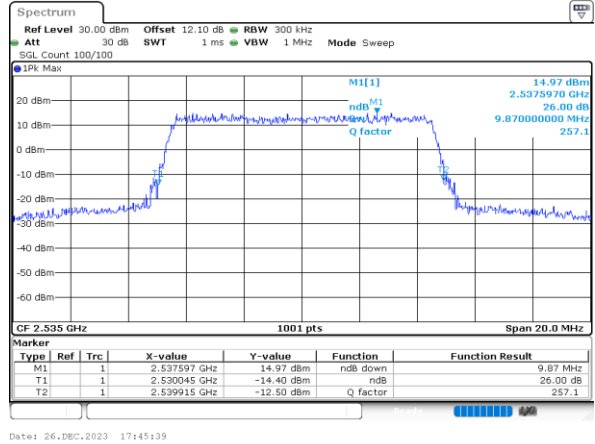


LTE Band 7

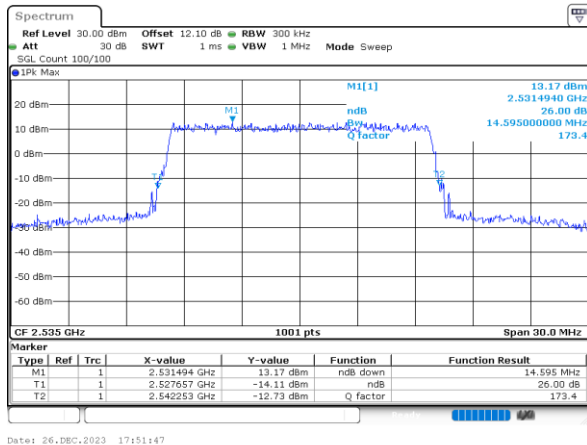
Middle Channel / 5MHz / 256QAM



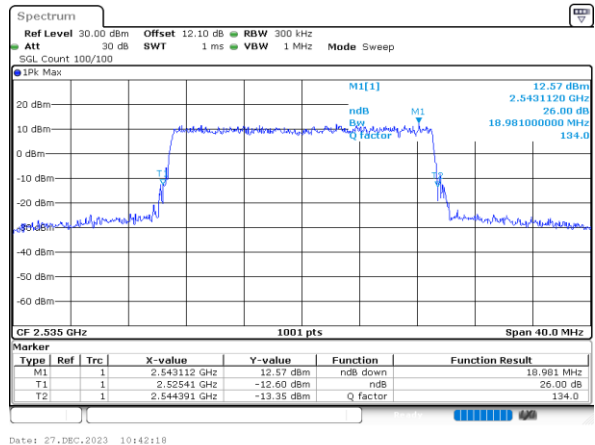
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM



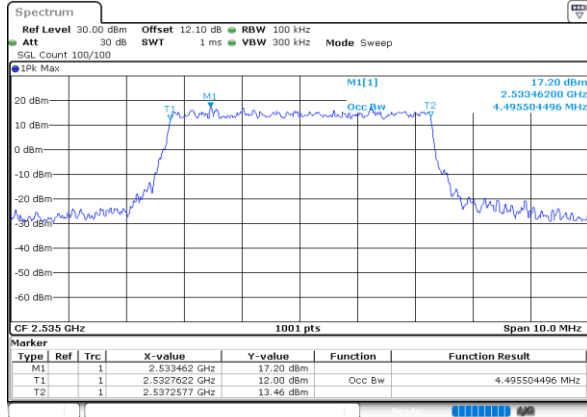
**Occupied Bandwidth**

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	4.50	9.05	9.05	13.48	13.48	17.94	17.98
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.49	4.49	9.03	9.05	13.48	13.45	17.98	17.94

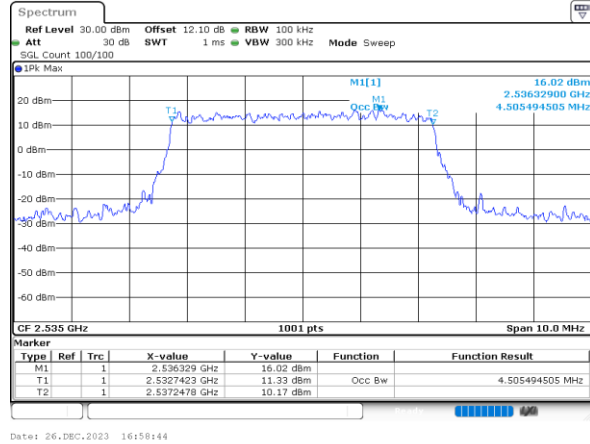


LTE Band 7

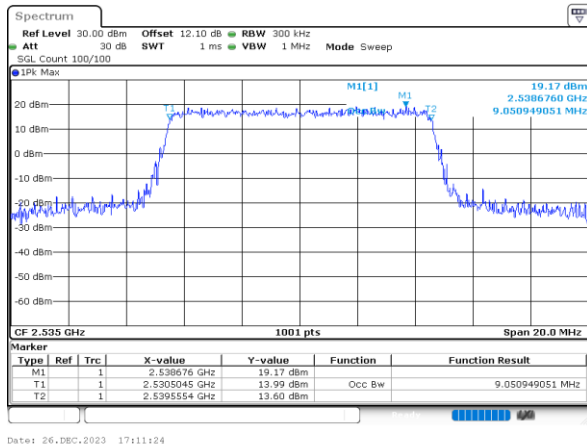
Middle Channel / 5MHz / QPSK



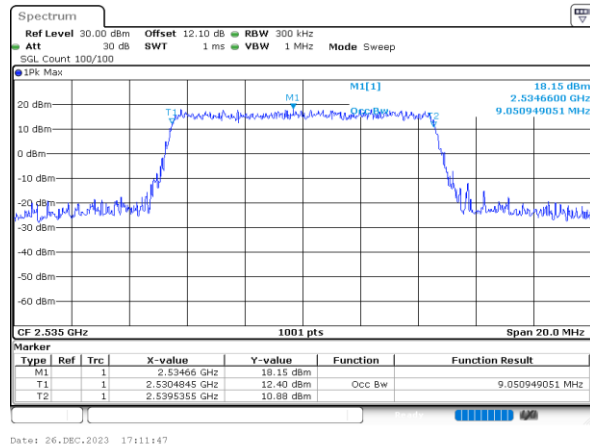
Middle Channel / 5MHz / 16QAM



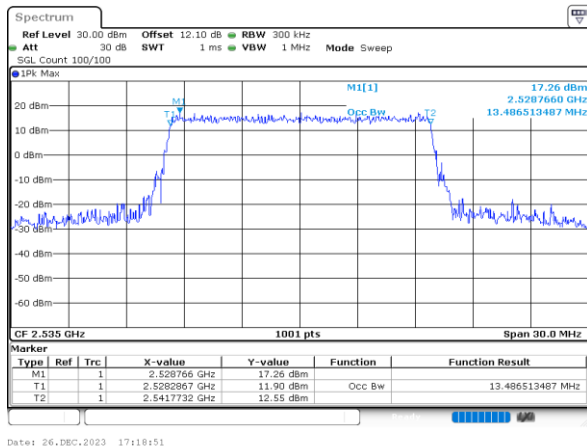
Middle Channel / 10MHz / QPSK



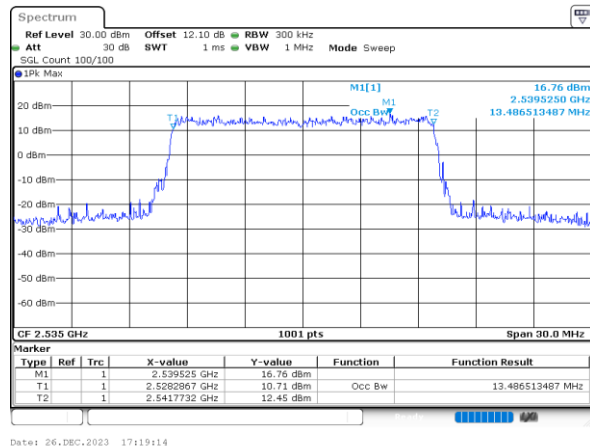
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



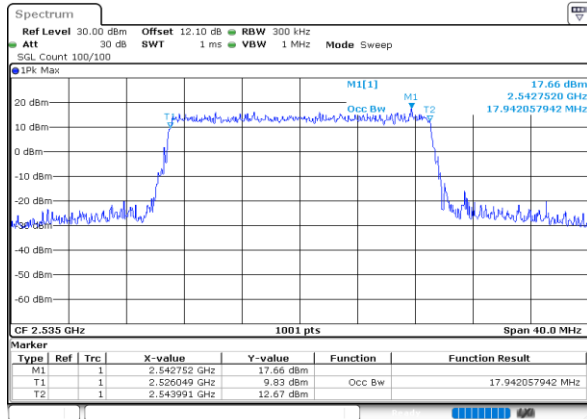
Middle Channel / 15MHz / 16QAM



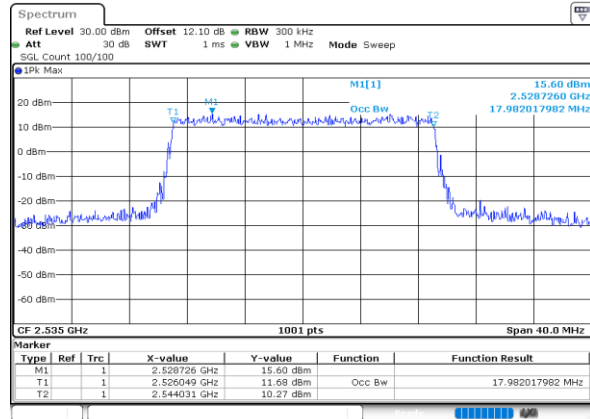


LTE Band 7

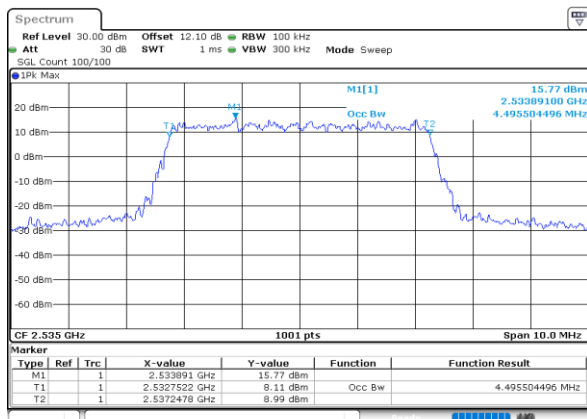
Middle Channel / 20MHz / QPSK



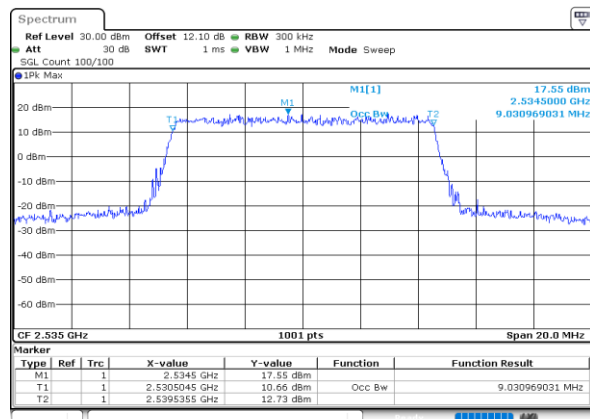
Middle Channel / 20MHz / 16QAM



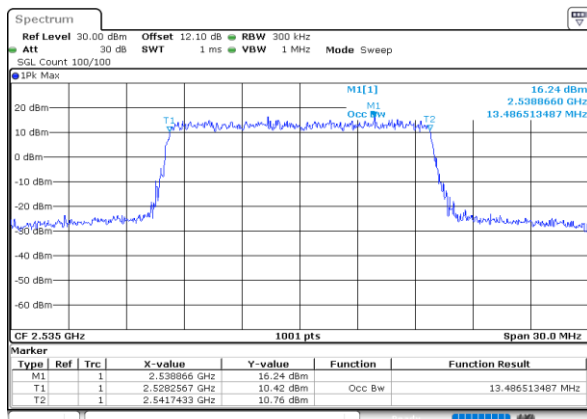
Middle Channel / 5MHz / 64QAM



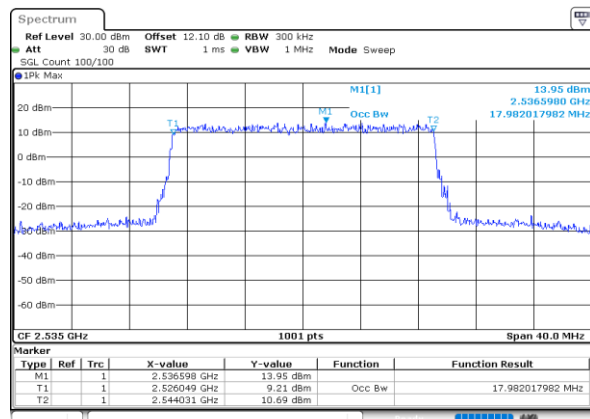
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



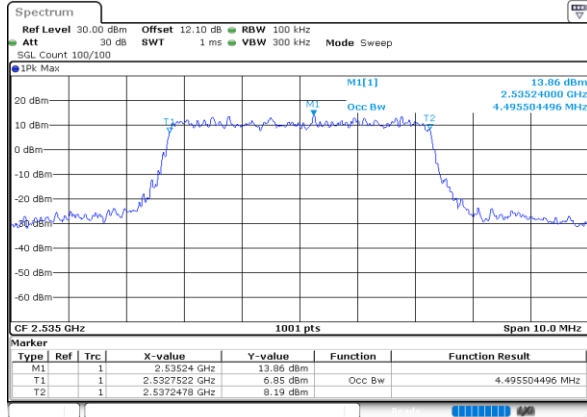
Middle Channel / 20MHz / 64QAM



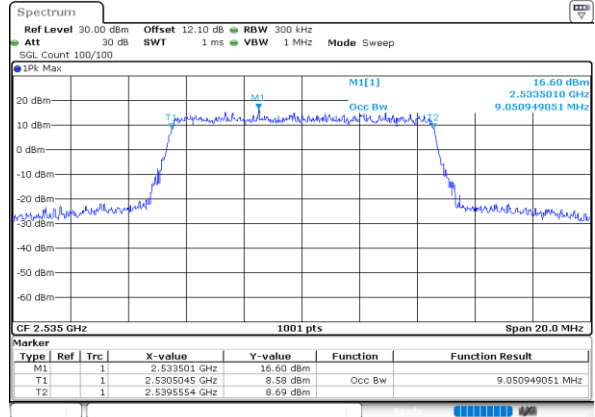


LTE Band 7

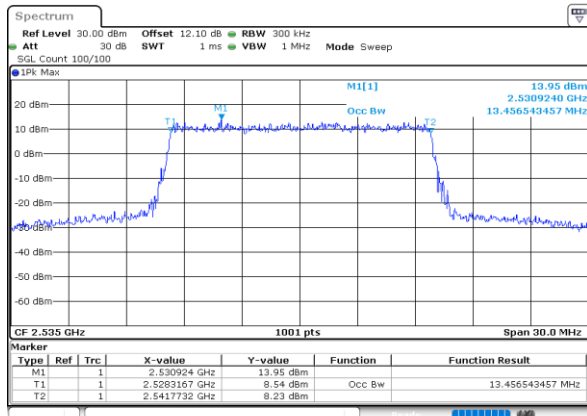
Middle Channel / 5MHz / 256QAM



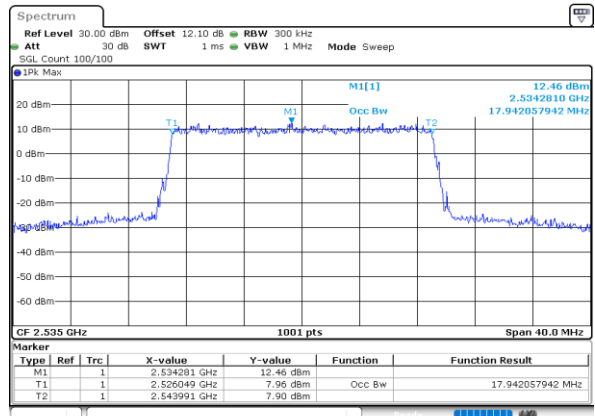
Middle Channel / 10MHz / 256QAM

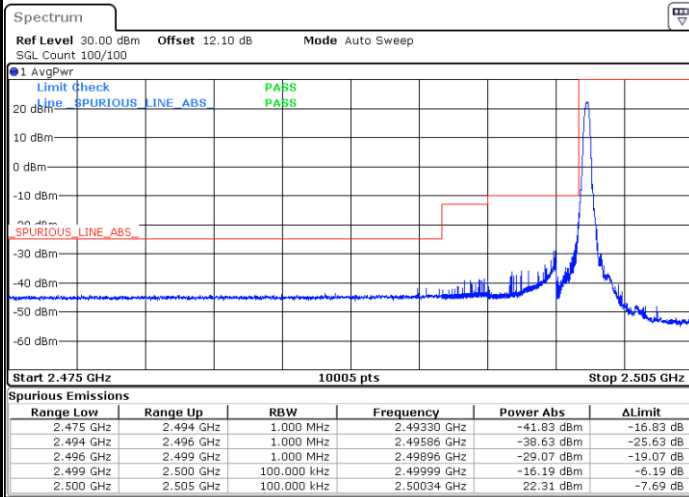


Middle Channel / 15MHz / 256QAM

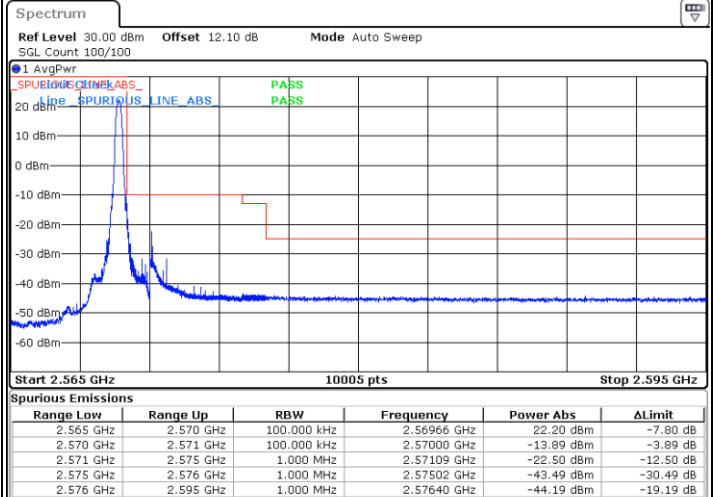


Middle Channel / 20MHz / 256QAM

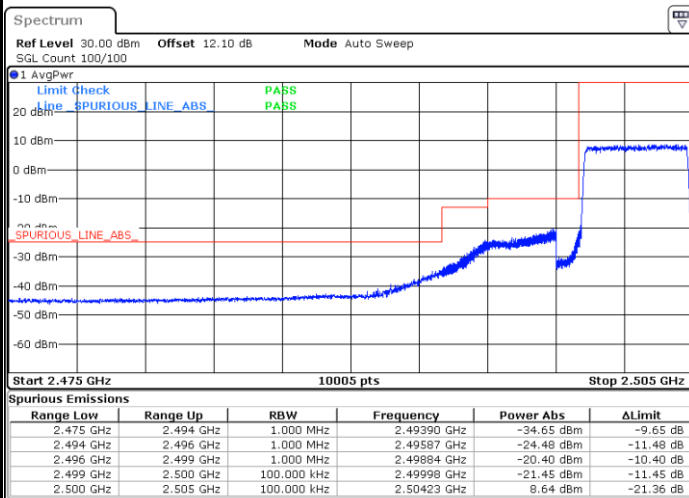


**Conducted Band Edge****LTE Band 7 / 5MHz / QPSK****Lowest Band Edge / 1 RB**

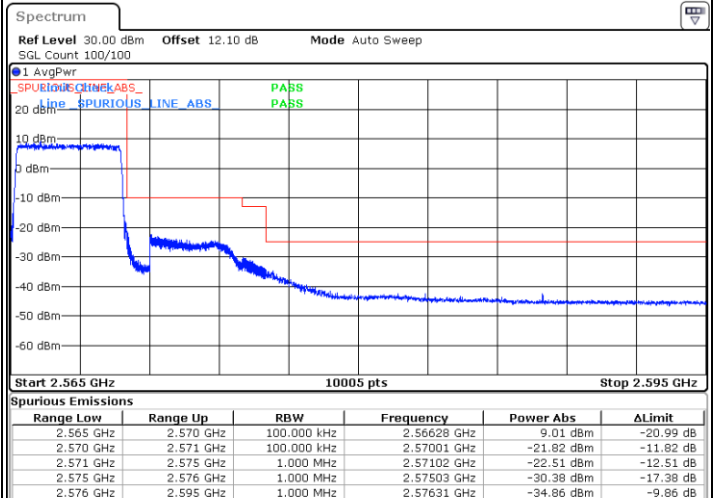
Date: 26.DEC.2023 16:54:18

Highest Band Edge / 1 RB

Date: 26.DEC.2023 17:01:23

Lowest Band Edge / Full RB

Date: 26.DEC.2023 16:56:03

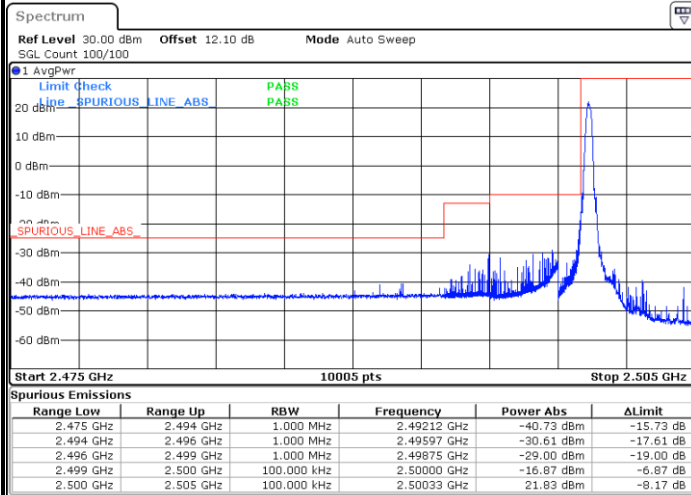
Highest Band Edge / Full RB

Date: 26.DEC.2023 17:03:07



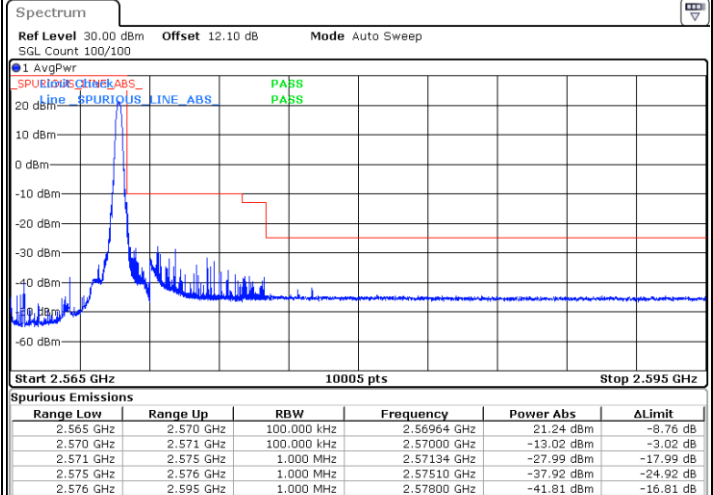
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



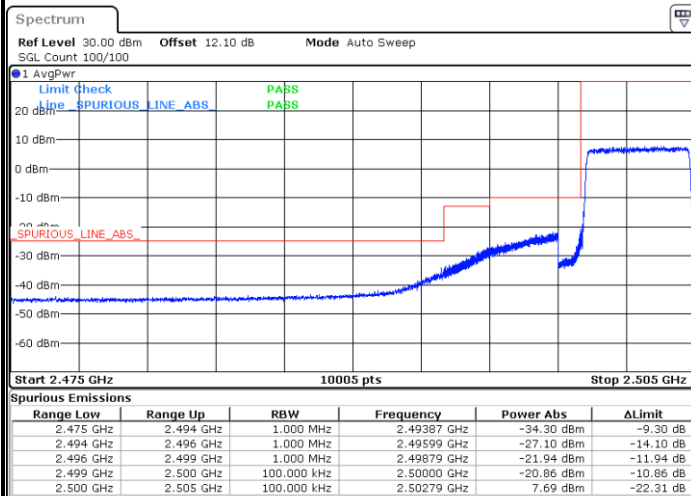
Date: 26.DEC.2023 16:55:10

Highest Band Edge / 1 RB



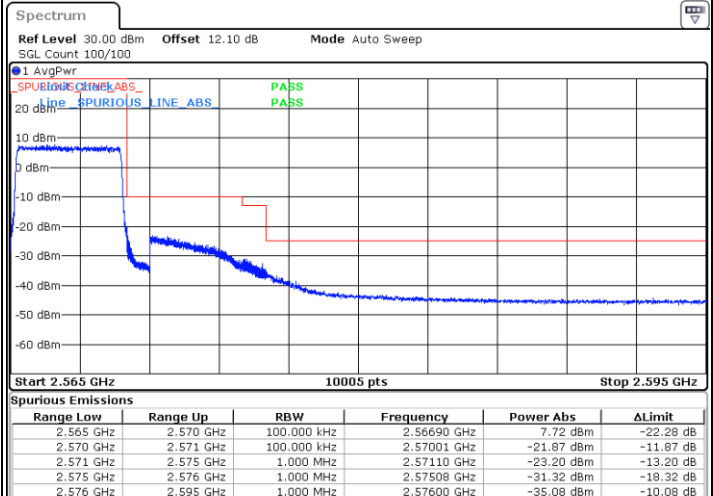
Date: 26.DEC.2023 17:02:15

Lowest Band Edge / Full RB



Date: 26.DEC.2023 16:56:55

Highest Band Edge / Full RB

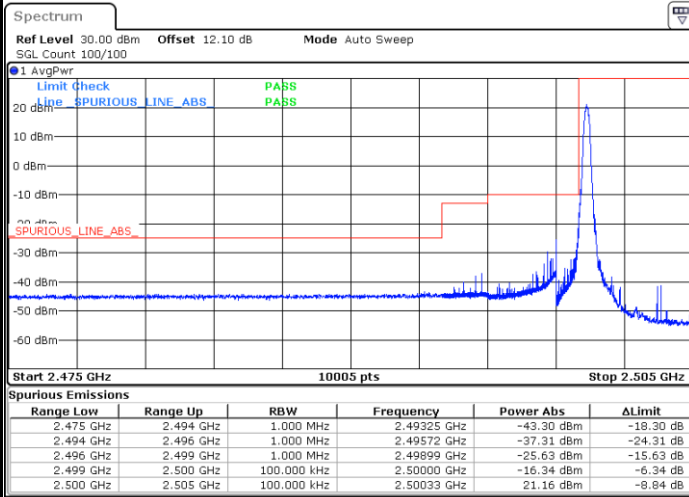


Date: 26.DEC.2023 17:03:59

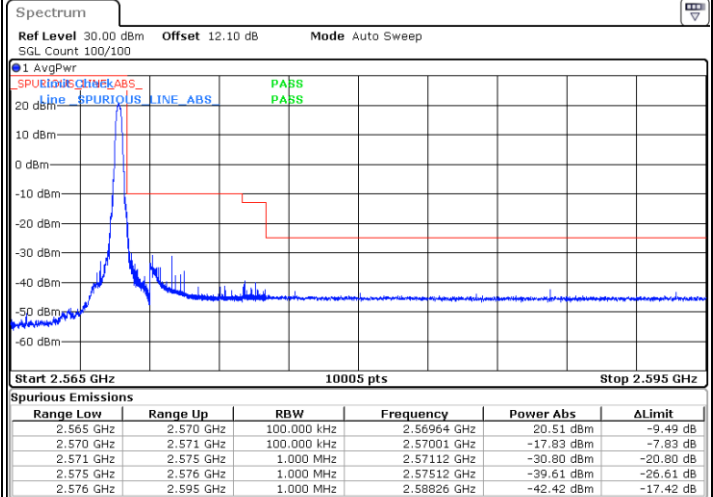


LTE Band 7 / 5MHz / 64QAM

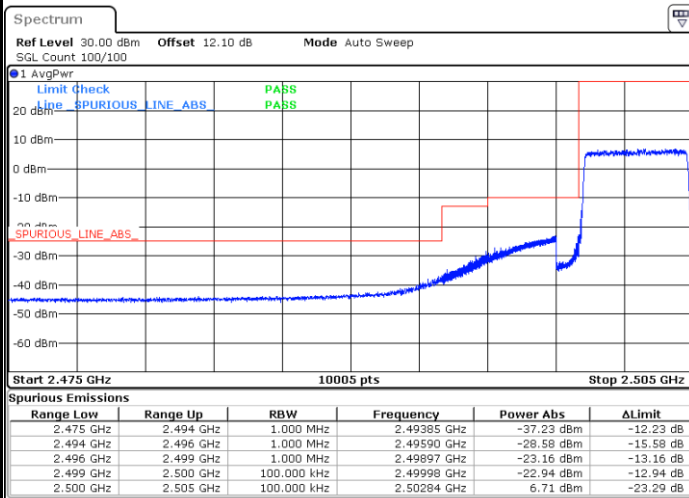
Lowest Band Edge / 1RB



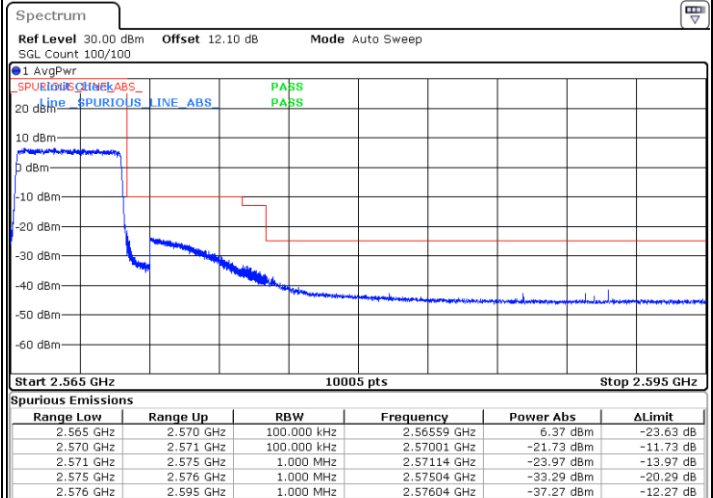
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



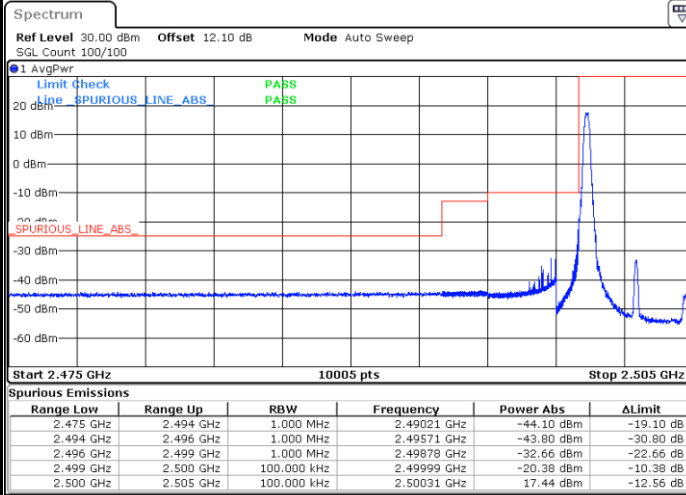
Highest Band Edge / Full RB



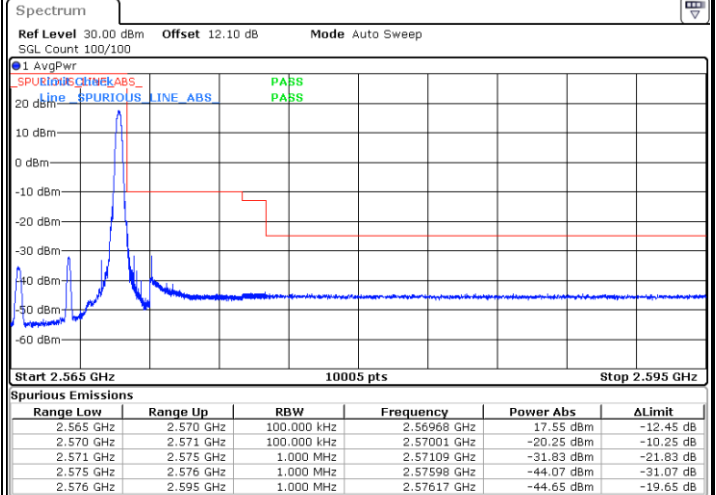


LTE Band 7 / 5MHz / 256QAM

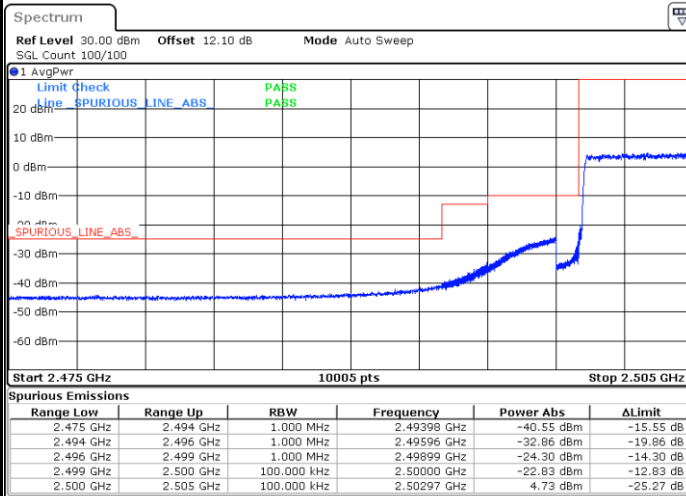
Lowest Band Edge / 1RB



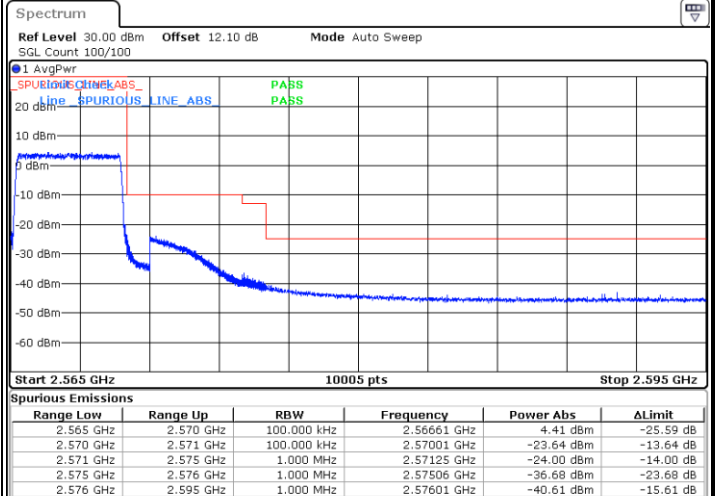
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



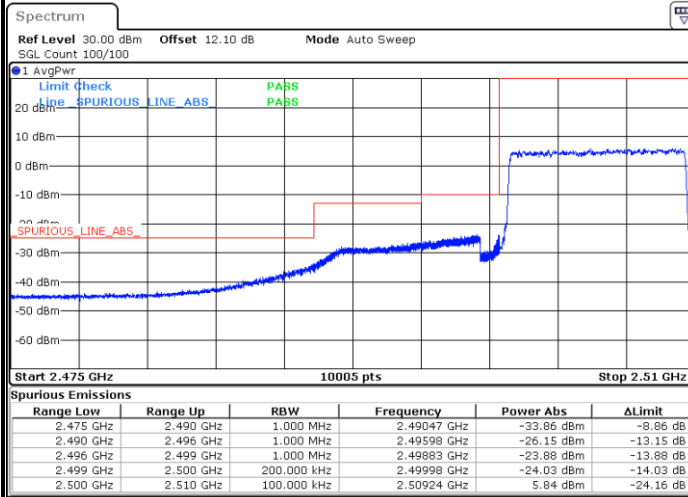
Highest Band Edge / Full RB



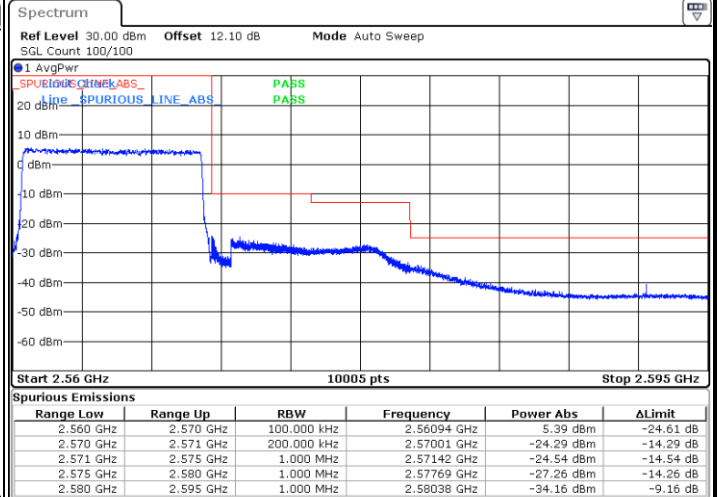


LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / Full RB

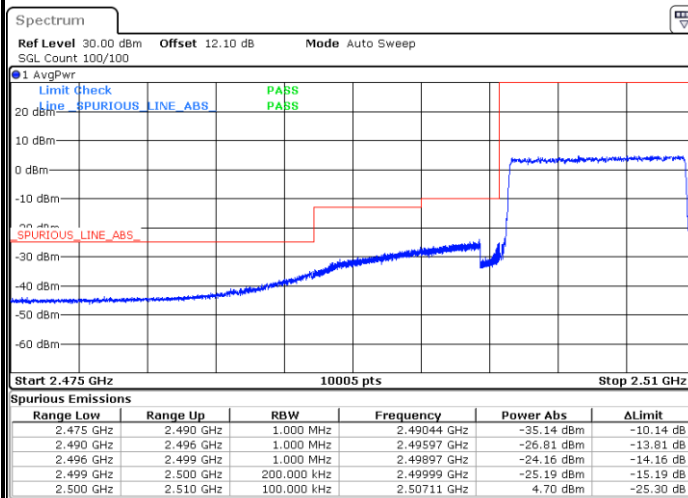


Highest Band Edge / Full RB

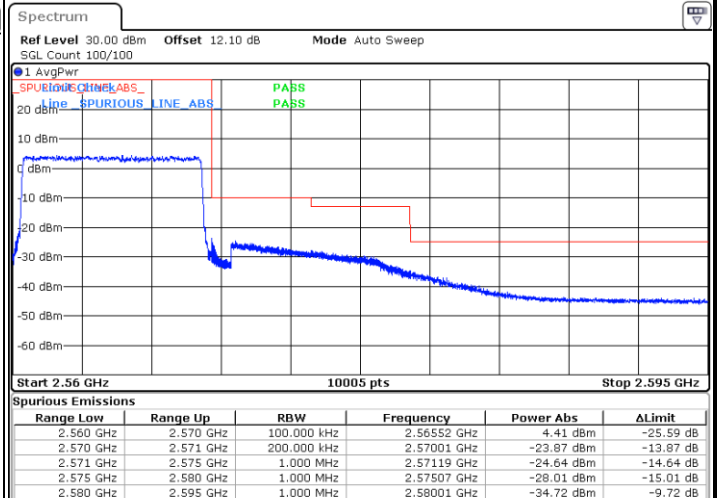


LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / Full RB



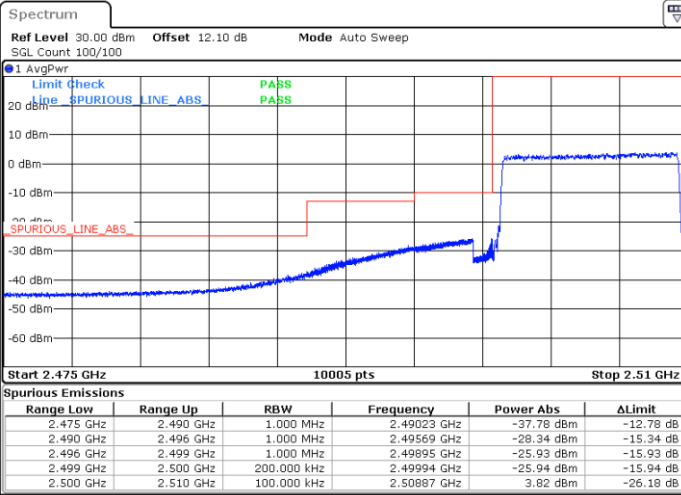
Highest Band Edge / Full RB



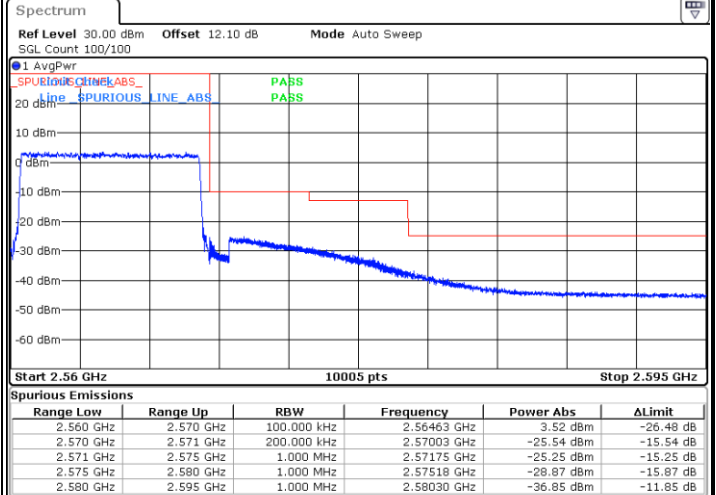


LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / Full RB

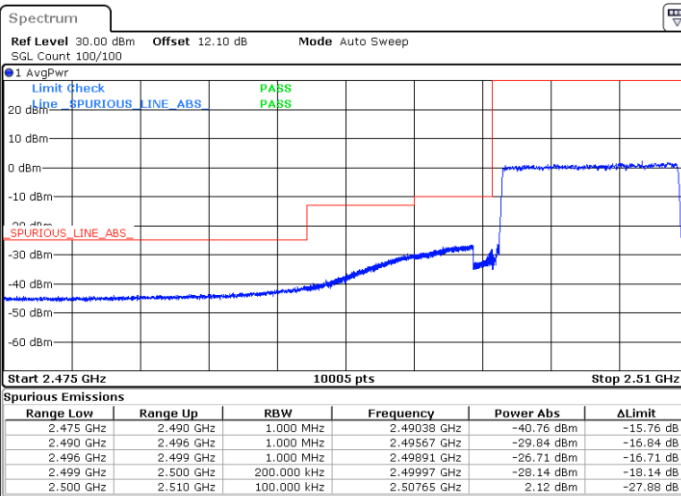


Highest Band Edge / Full RB

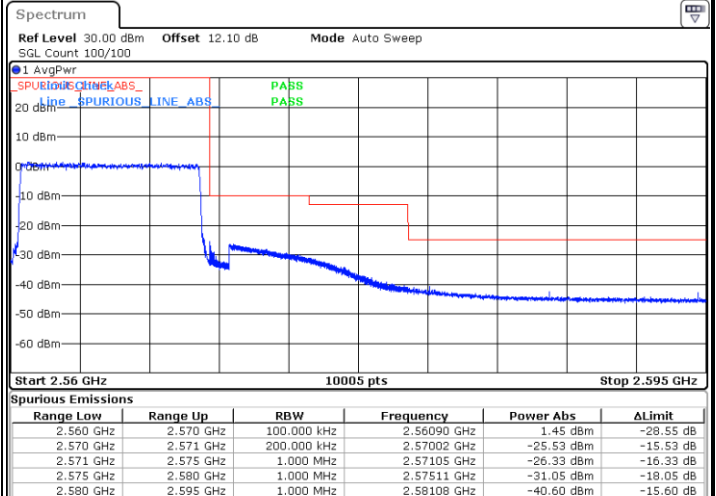


LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / Full RB



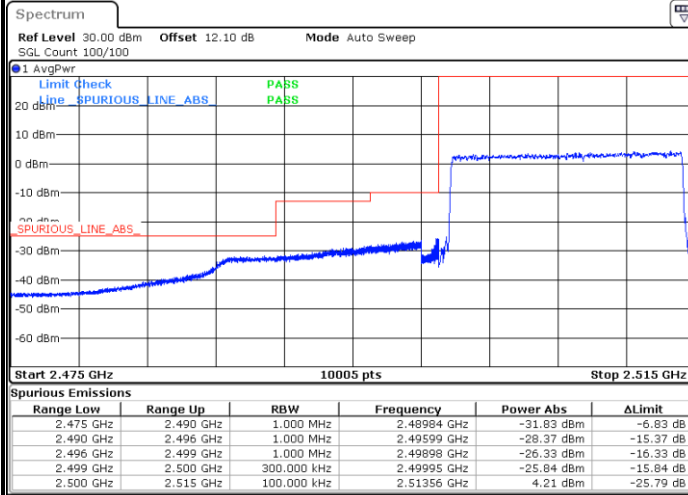
Highest Band Edge / Full RB



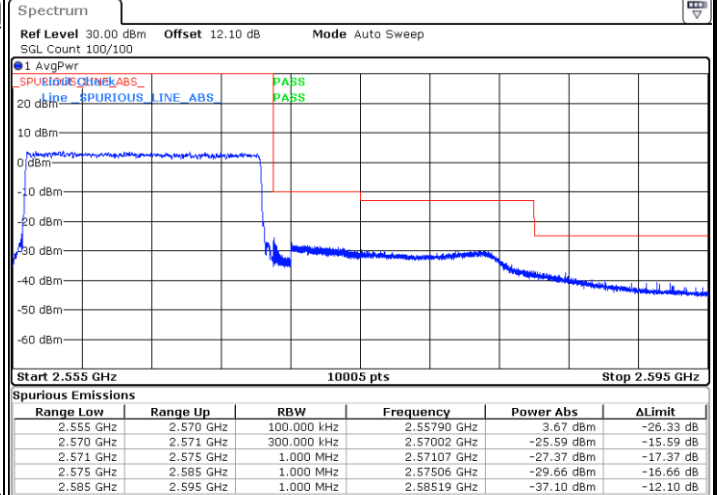


LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / Full RB

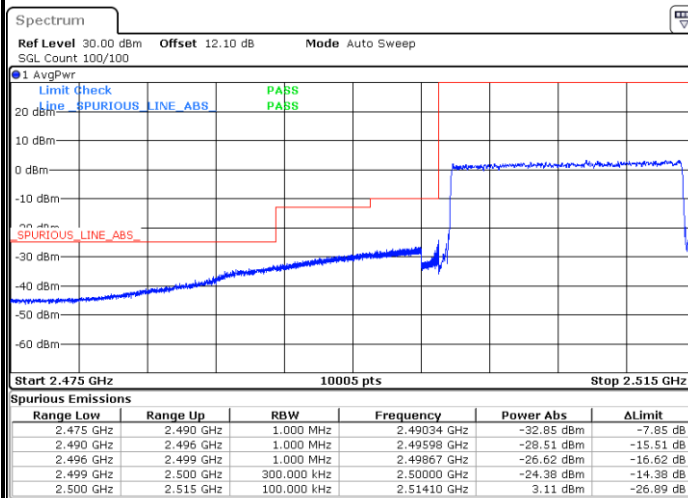


Highest Band Edge / Full RB

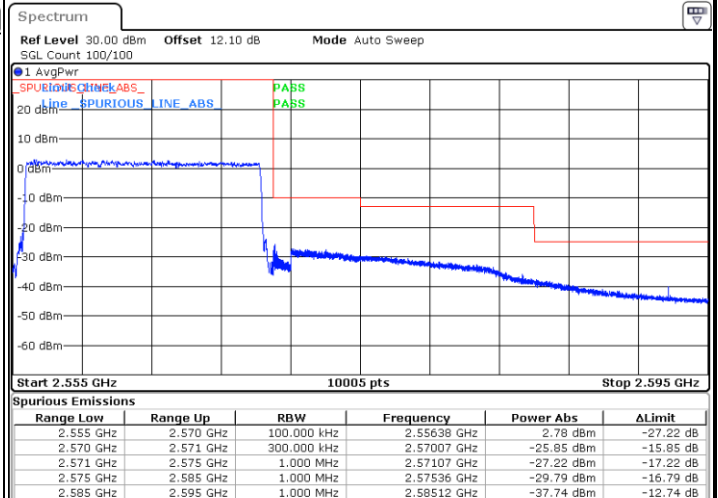


LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / Full RB



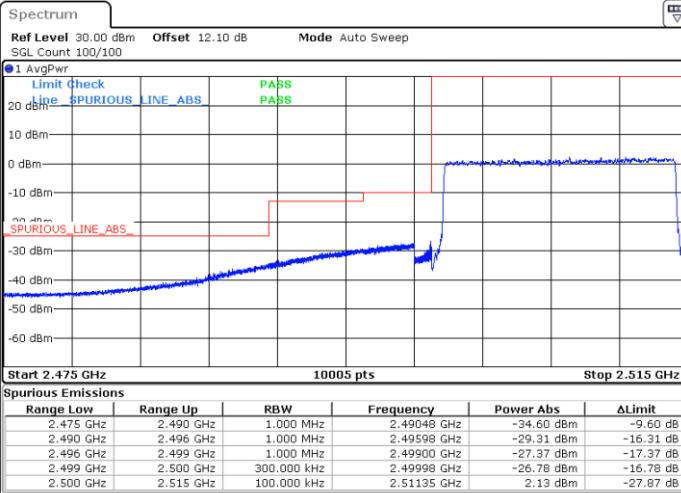
Highest Band Edge / Full RB



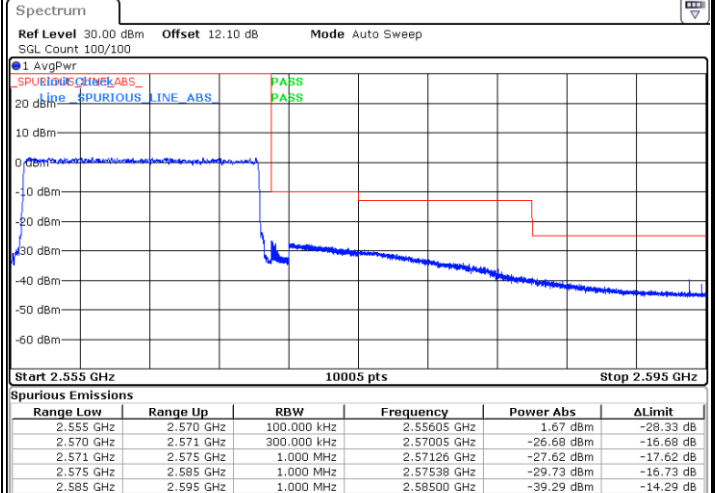


LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / Full RB

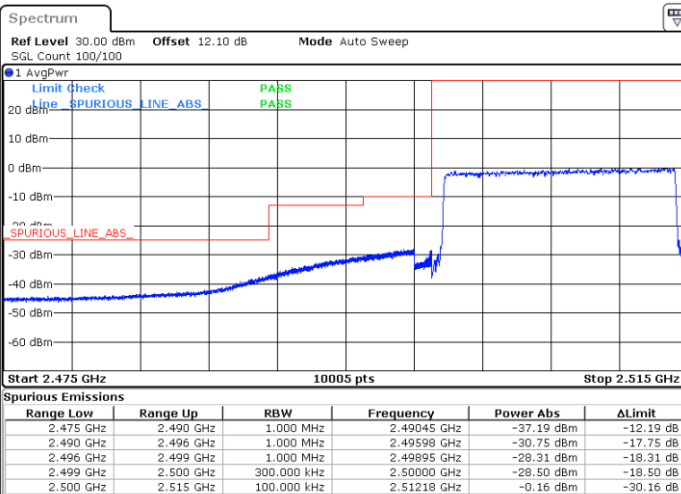


Highest Band Edge / Full RB

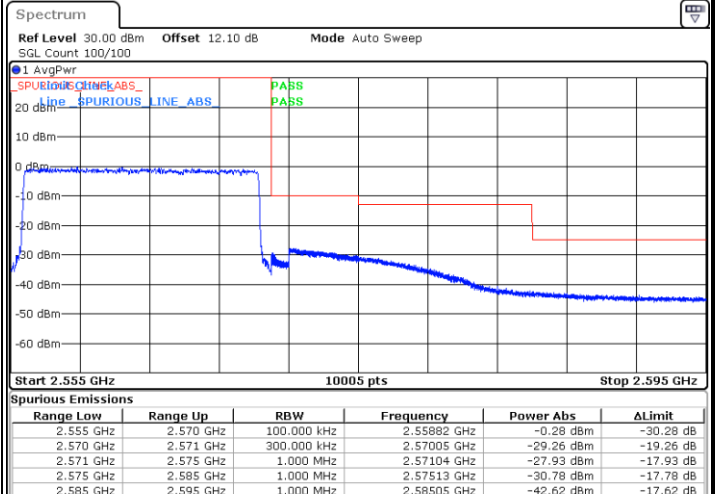


LTE Band 7 / 15MHz / 256QAM

Lowest Band Edge / Full RB



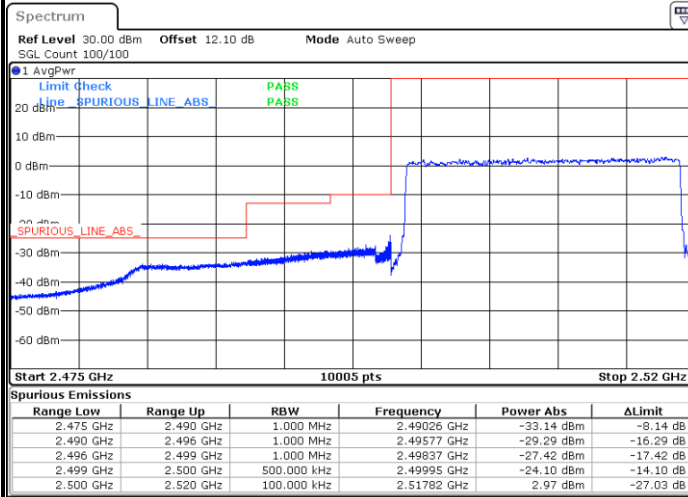
Highest Band Edge / Full RB



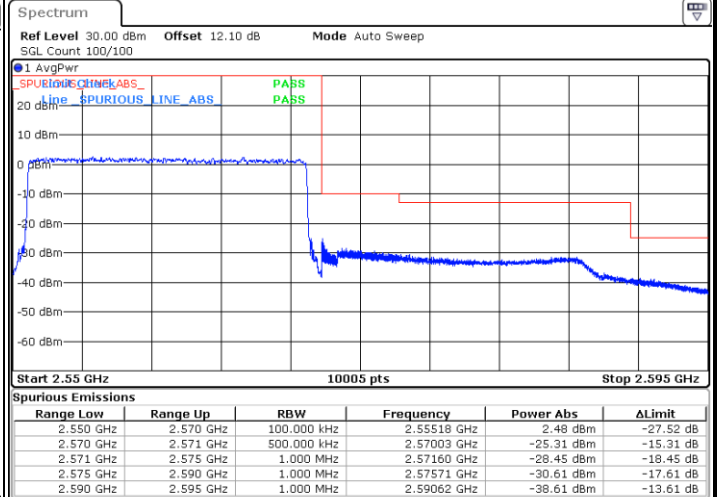


LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / Full RB

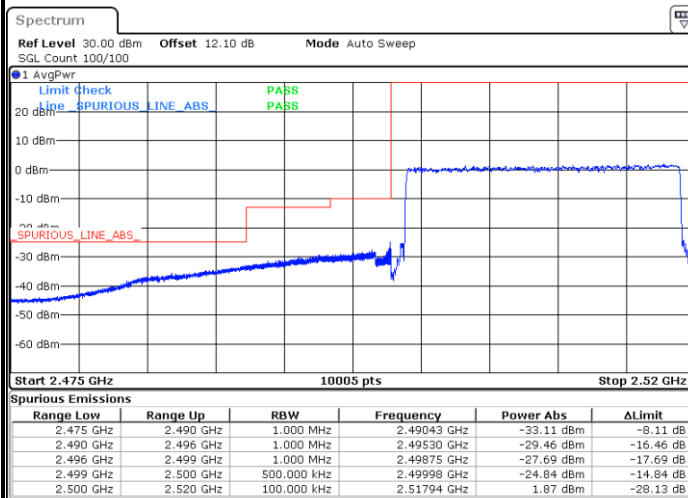


Highest Band Edge / Full RB

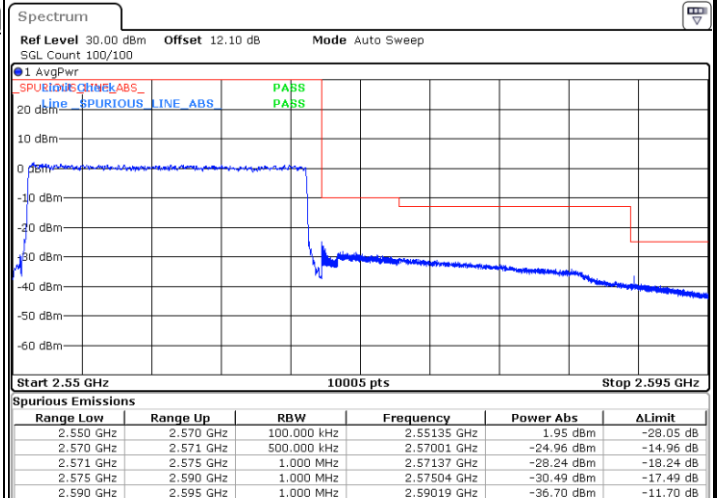


LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

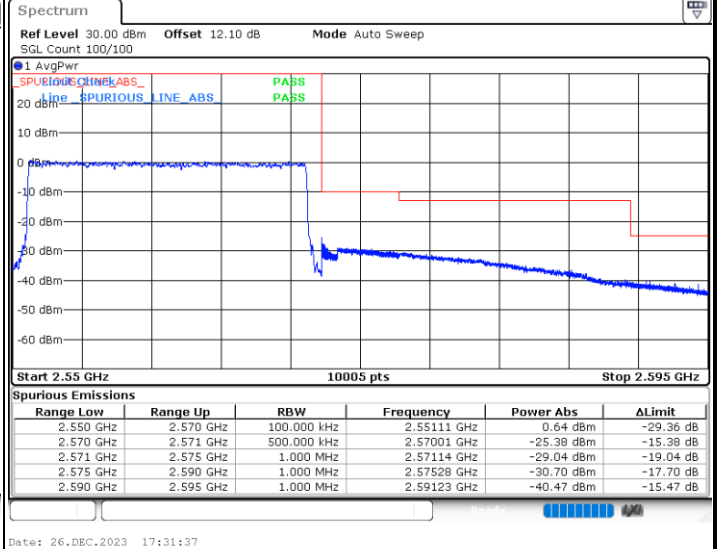
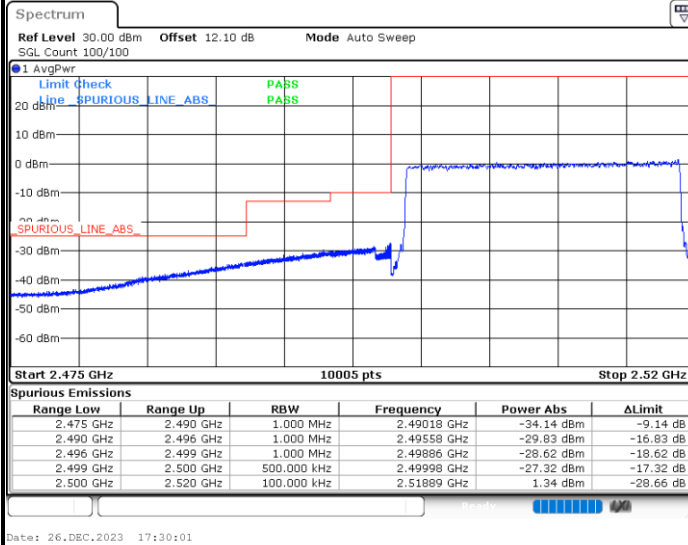




LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / Full RB

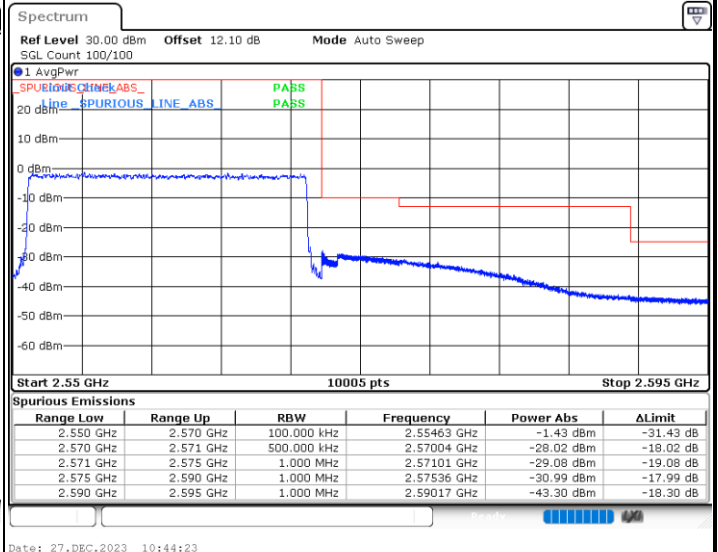
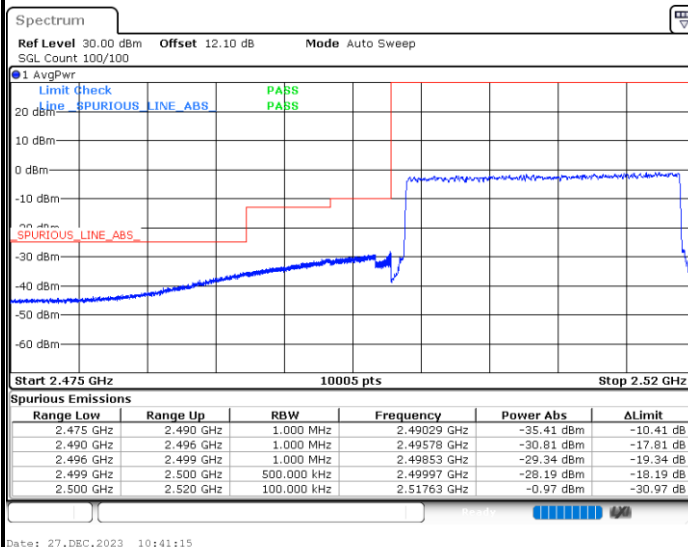
Highest Band Edge / Full RB



LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

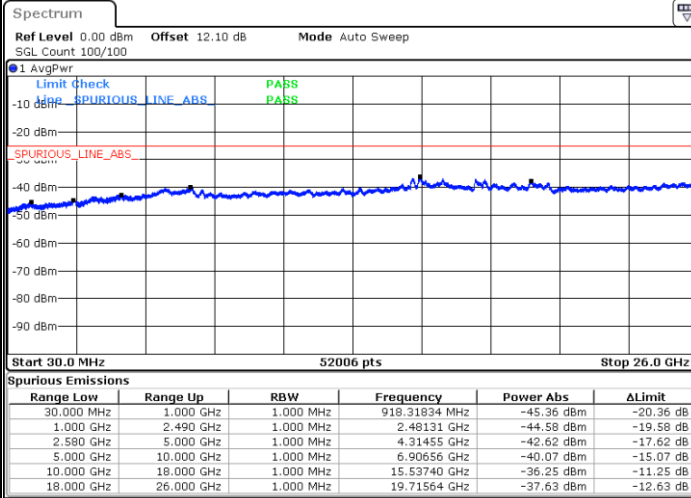




Conducted Spurious Emission

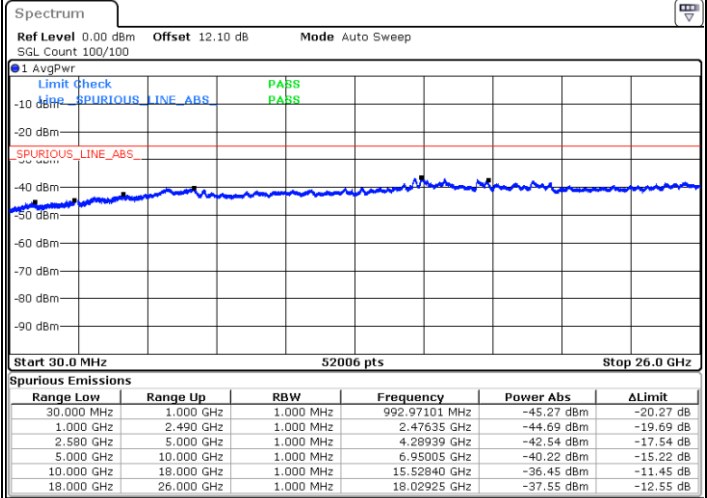
LTE Band 7 / 5MHz

Lowest Channel / QPSK



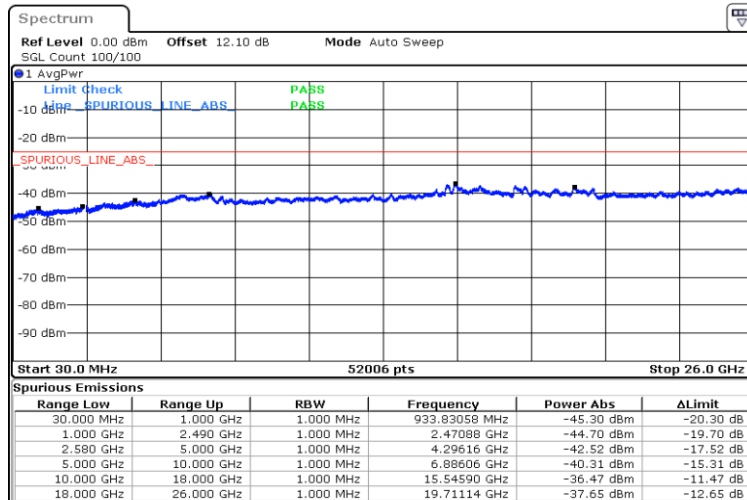
Date: 26.DEC.2023 16:57:59

Middle Channel / QPSK



Date: 26.DEC.2023 17:00:32

Highest Channel / QPSK

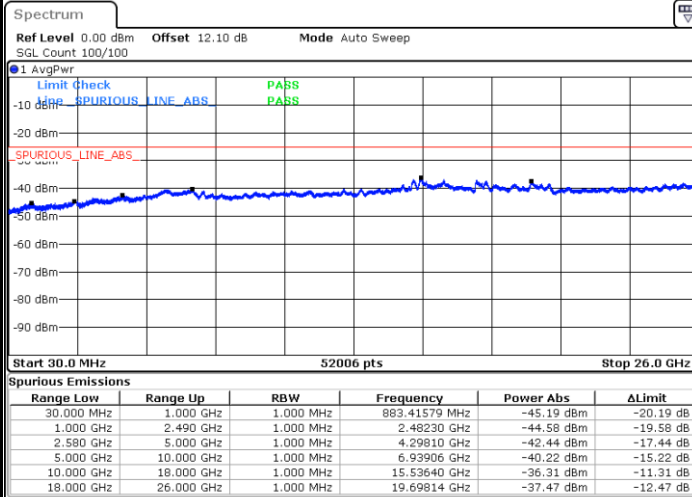


Date: 26.DEC.2023 17:05:03



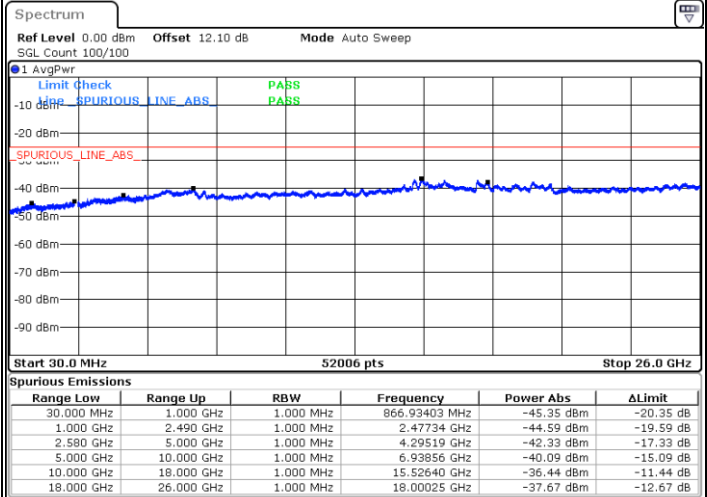
LTE Band 7 / 10MHz

Lowest Channel / QPSK



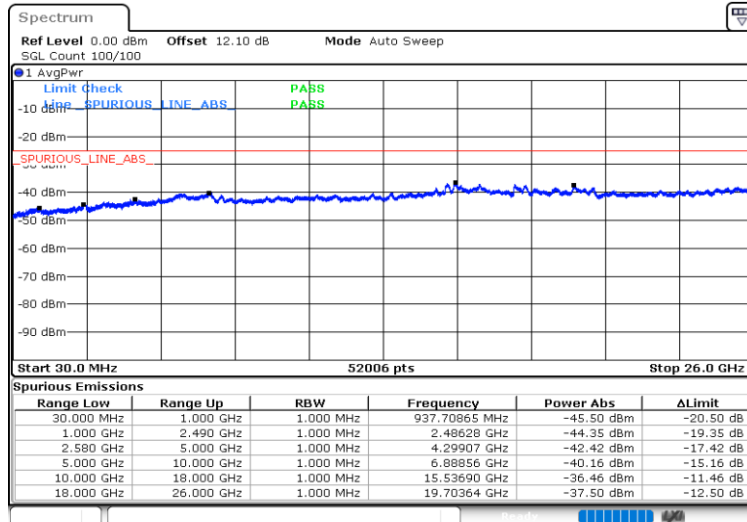
Date: 27.DEC.2023 10:46:36

Middle Channel / QPSK



Date: 27.DEC.2023 10:47:39

Highest Channel / QPSK

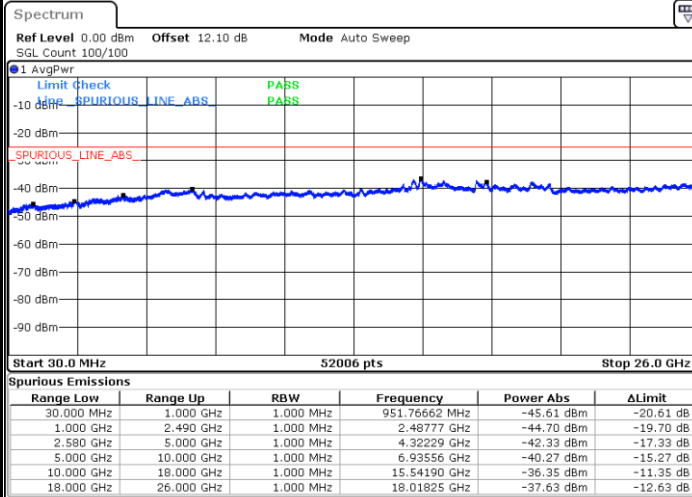


Date: 27.DEC.2023 10:48:43



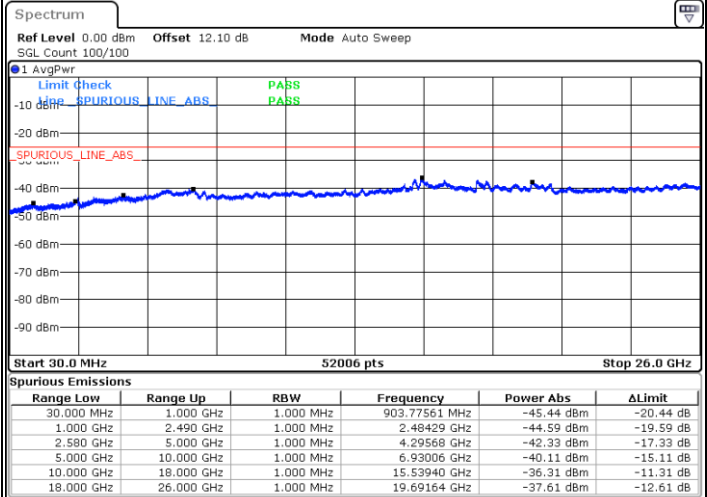
LTE Band 7 / 15MHz

Lowest Channel / QPSK



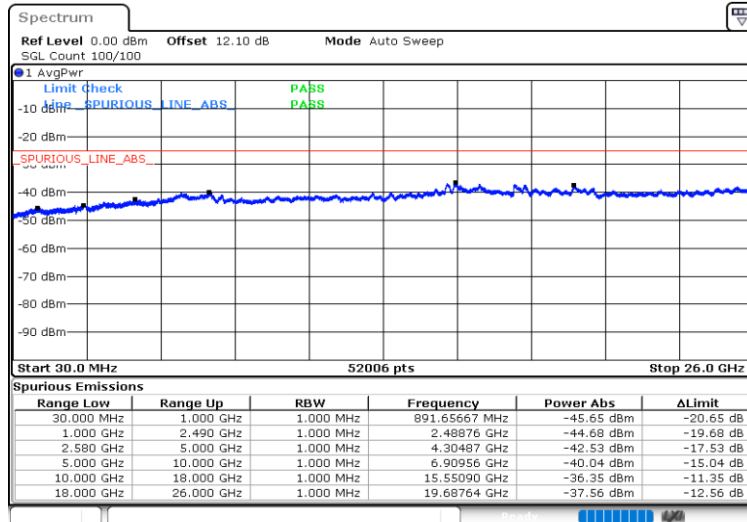
Date: 27.DEC.2023 10:49:47

Middle Channel / QPSK



Date: 27.DEC.2023 10:50:50

Highest Channel / QPSK

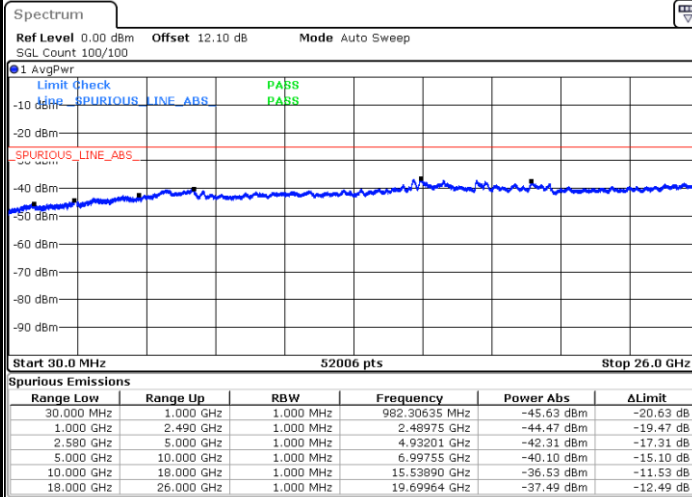


Date: 27.DEC.2023 10:51:54



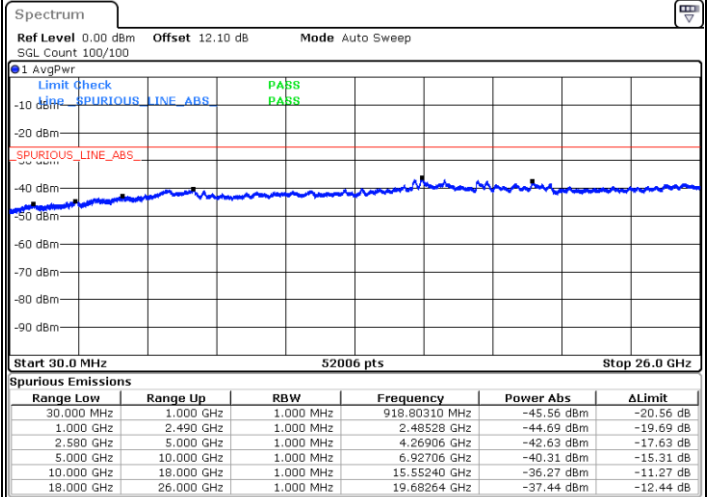
LTE Band 7 / 20MHz

Lowest Channel / QPSK



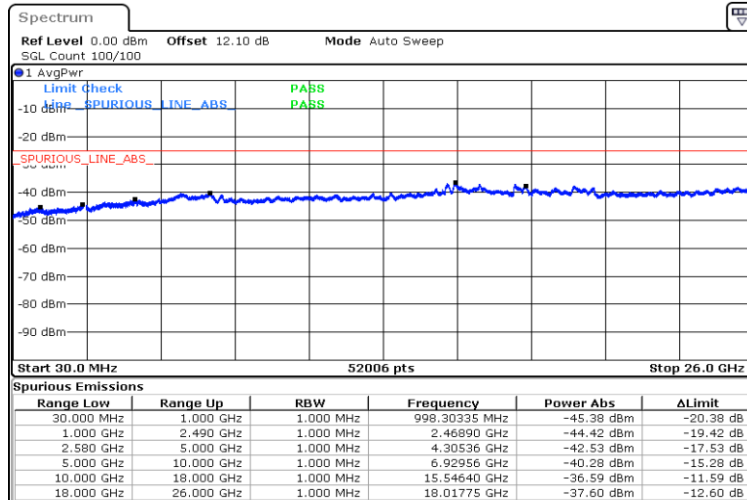
Date: 27.DEC.2023 10:52:58

Middle Channel / QPSK



Date: 27.DEC.2023 10:54:01

Highest Channel / QPSK



Date: 27.DEC.2023 10:55:05

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	0.0007	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0046	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0037	
-20	Normal Voltage	0.0050	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0043	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0049	

Note:

1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.2 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	30.21	25.52	30.74	34.89
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.21	35.10	40.03	

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.96	25.57	30.80	34.96
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.26	35.03	40.03	

Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	30.03	25.47	30.56	34.89
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.14	34.96	39.96	

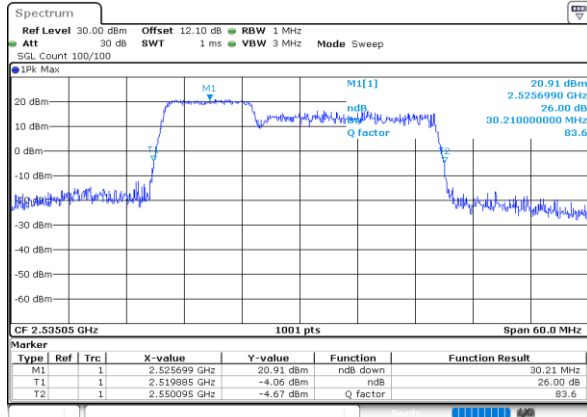
Mode	LTE Band 7C : 26dB BW(MHz)			
256QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.91	25.47	30.68	34.89
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	35.10	39.79	



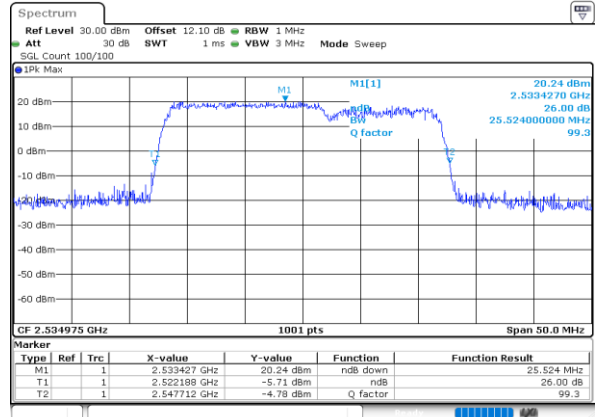
LTE Band 7C

QPSK

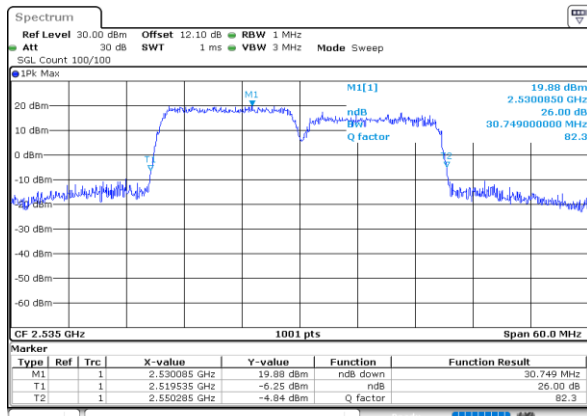
Middle Channel / 10MHz+20MHz



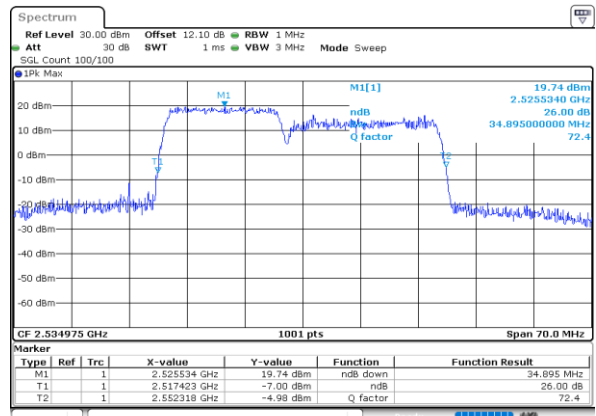
Middle Channel / 15MHz+10MHz



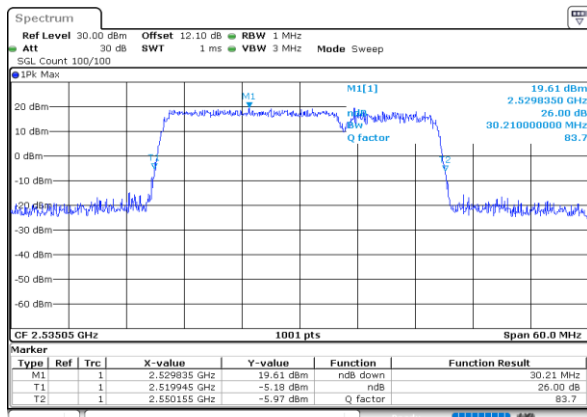
Middle Channel / 15MHz+15MHz



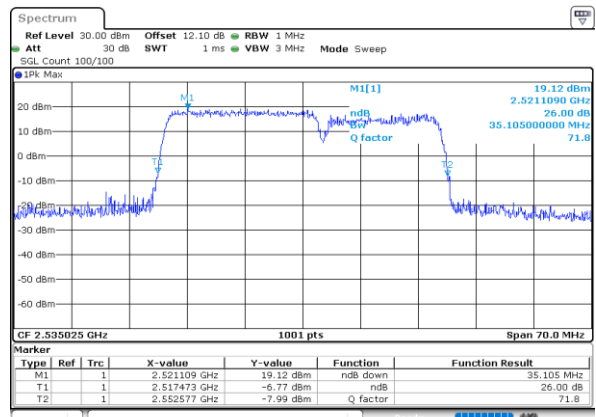
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



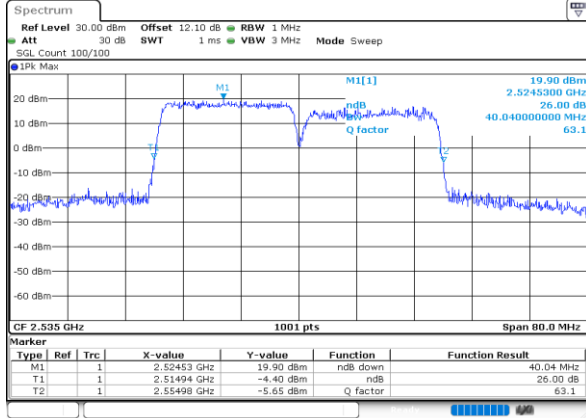


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A

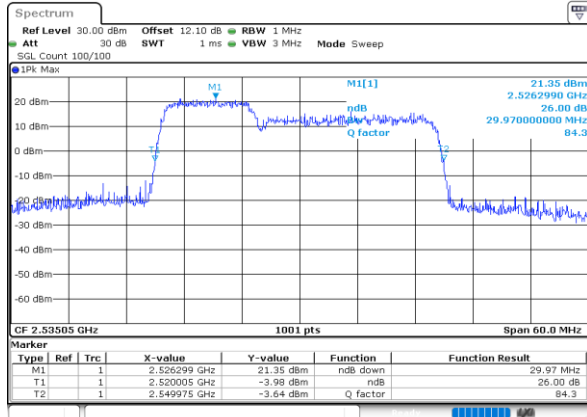




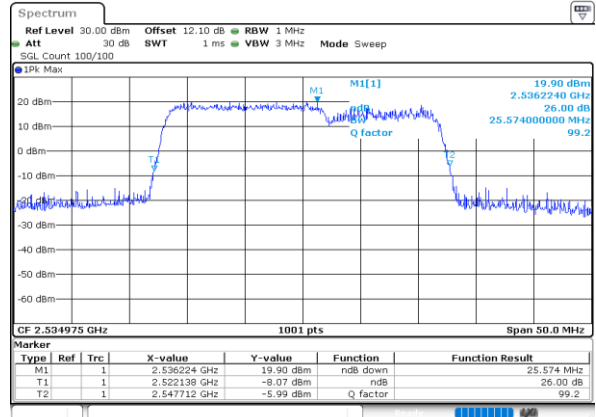
LTE Band 7C

16QAM

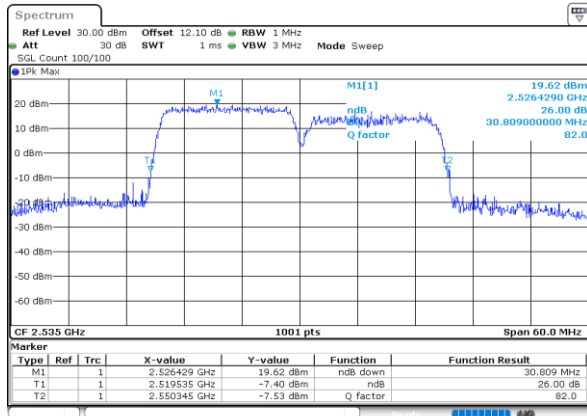
Middle Channel / 10MHz+20MHz



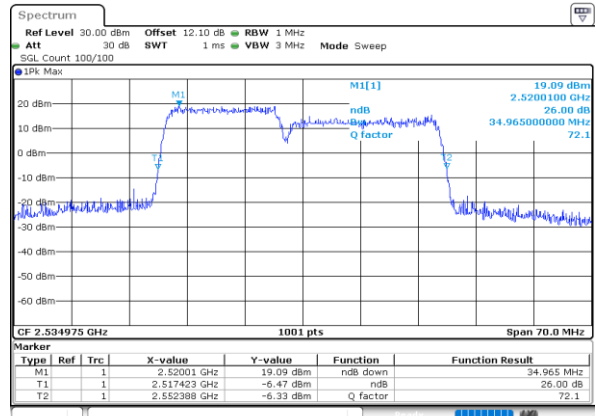
Middle Channel / 15MHz+10MHz



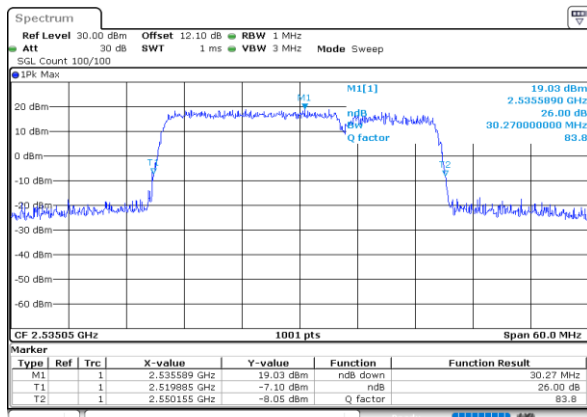
Middle Channel / 15MHz+15MHz



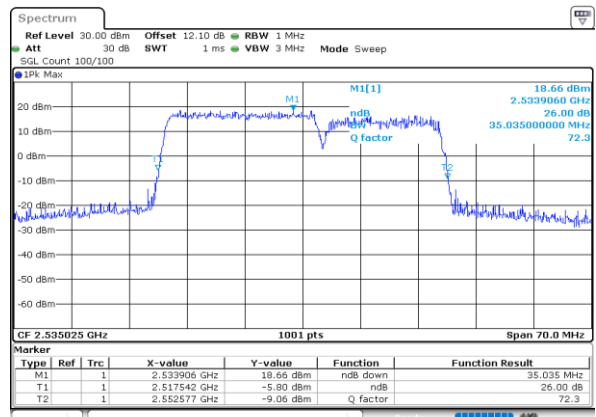
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



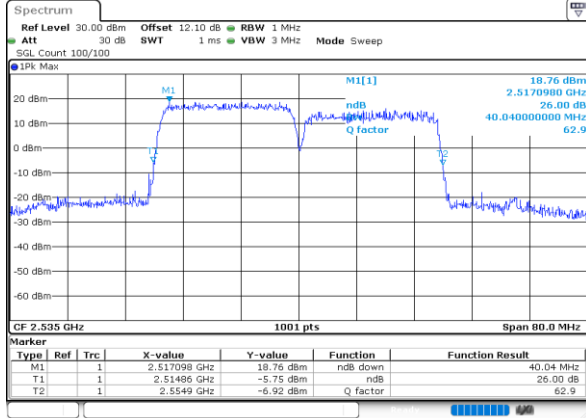


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A

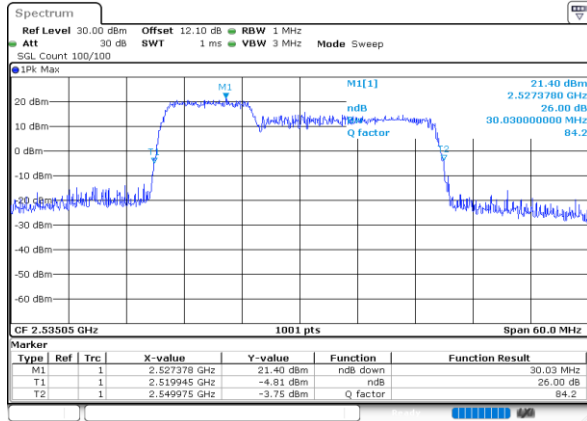




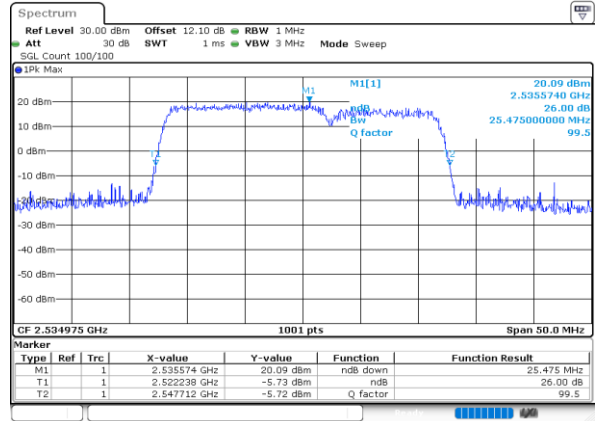
LTE Band 7C

64QAM

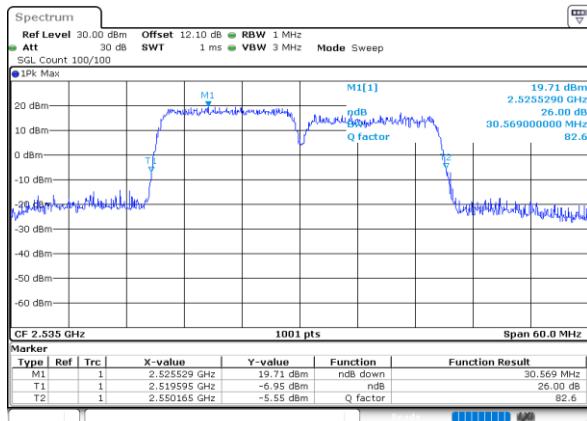
Middle Channel / 10MHz+20MHz



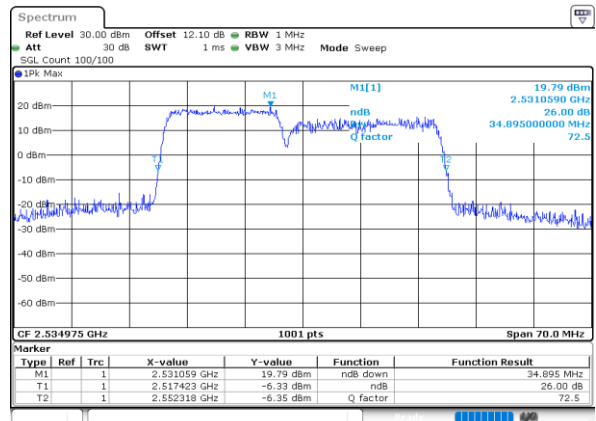
Middle Channel / 15MHz+10MHz



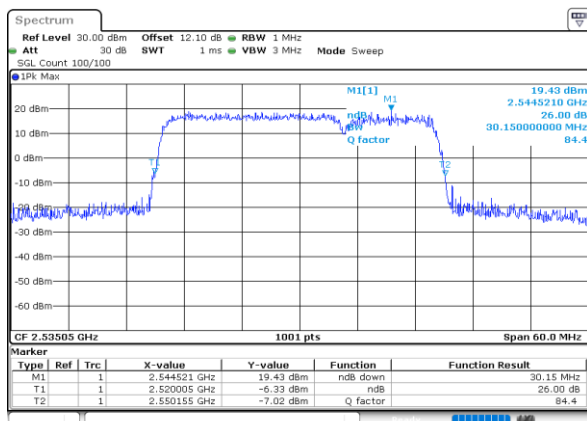
Middle Channel / 15MHz+15MHz



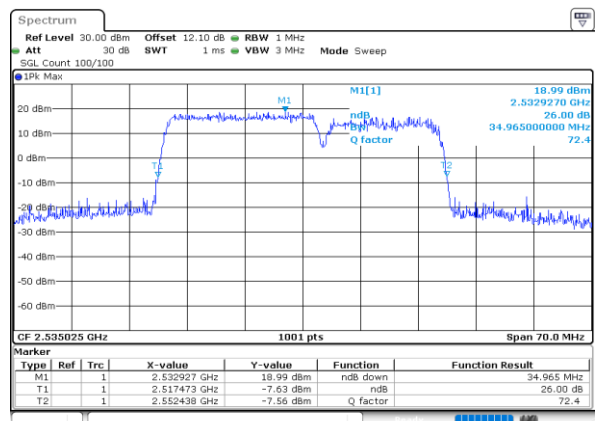
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



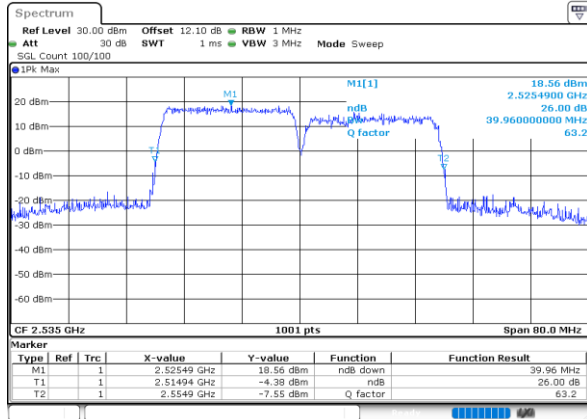


LTE Band 7C

64QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 28.DEC.2023 06:21:13