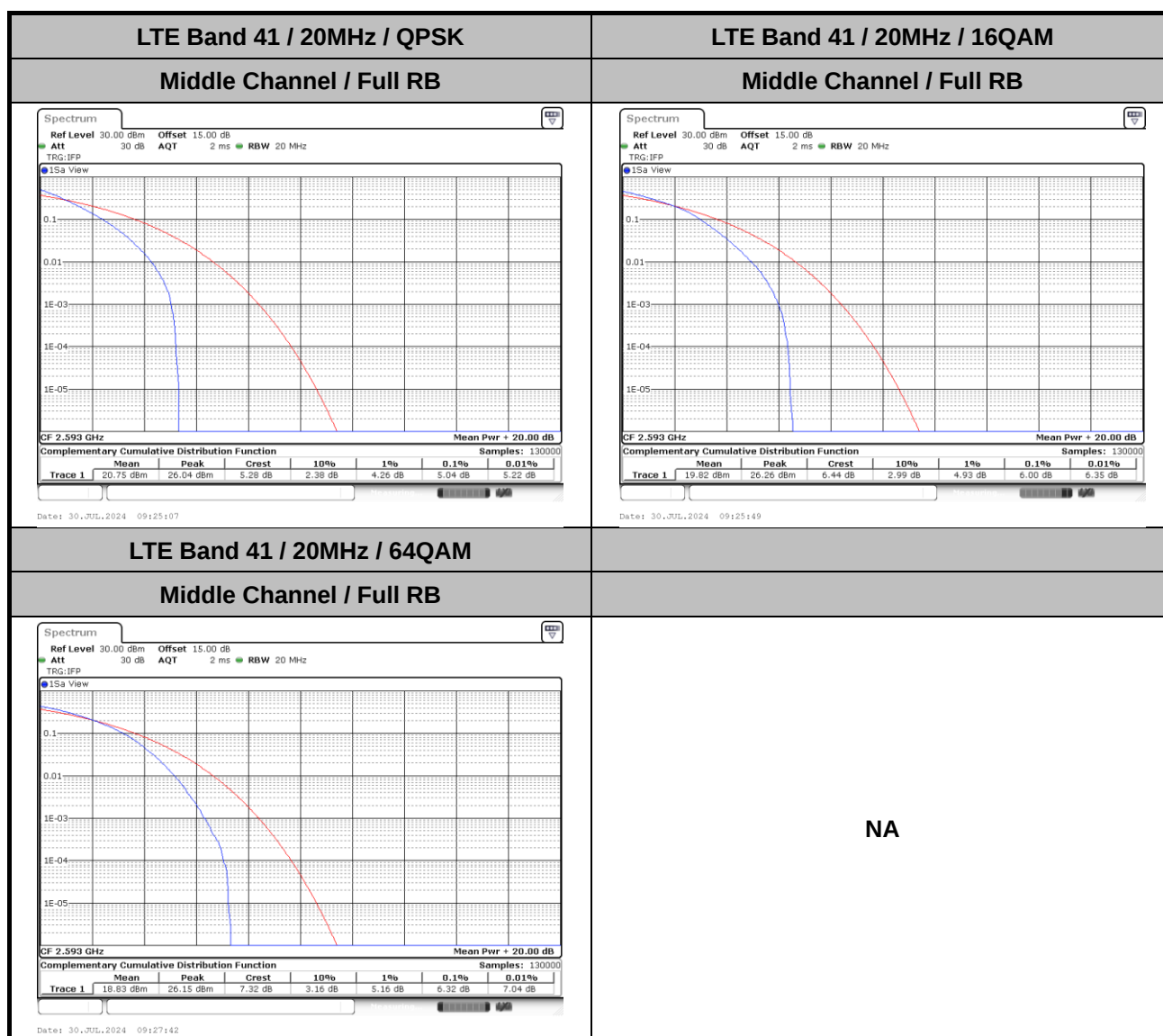




LTE Band 41

Peak-to-Average Ratio

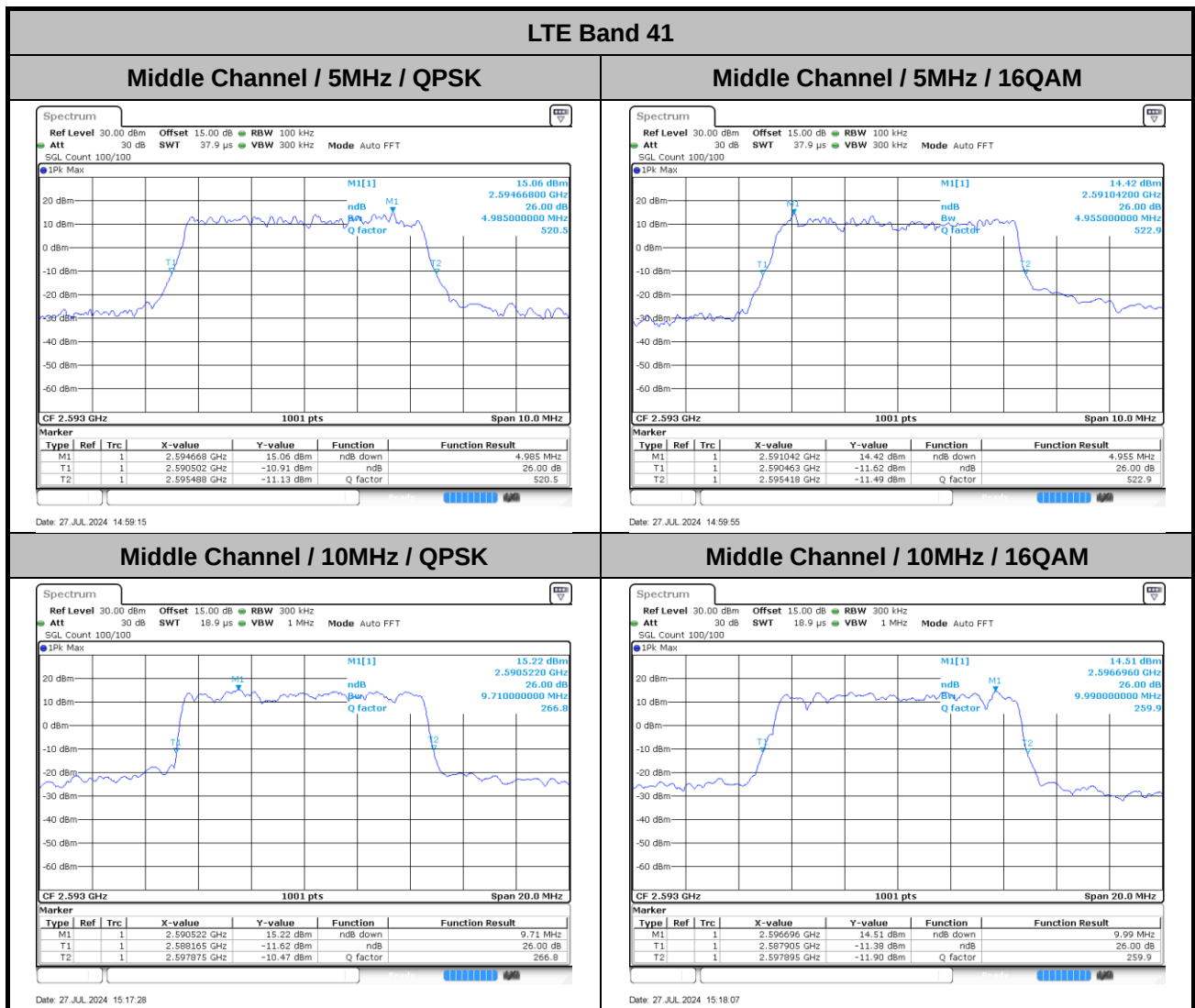
Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.04	6.00	6.32	PASS





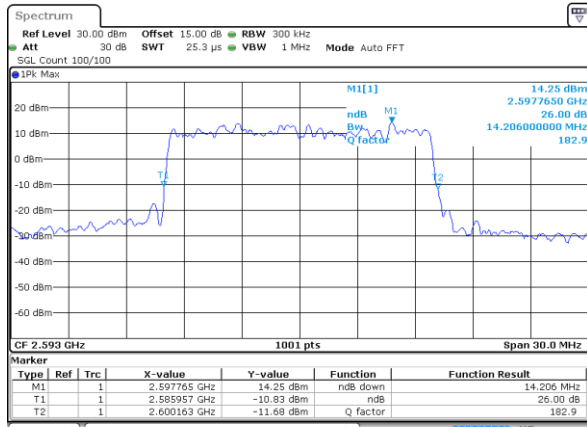
26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.99	4.96	9.71	9.99	14.21	14.33	19.38	18.78



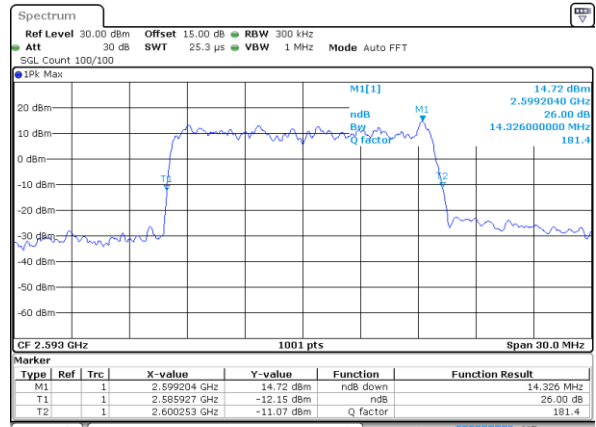


Middle Channel / 15MHz / QPSK



Date: 27 JUL 2024 15:34:09

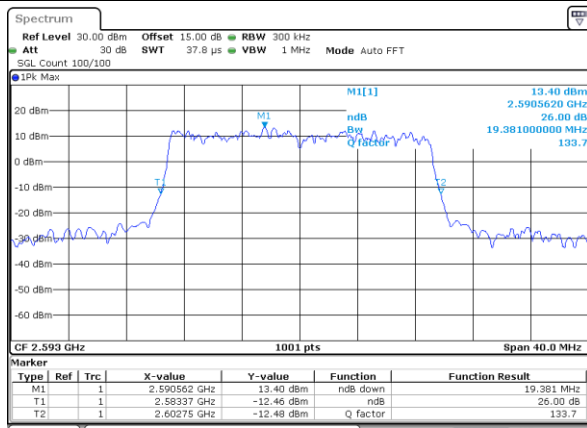
Middle Channel / 15MHz / 16QAM



Date: 27 JUL 2024 15:34:48

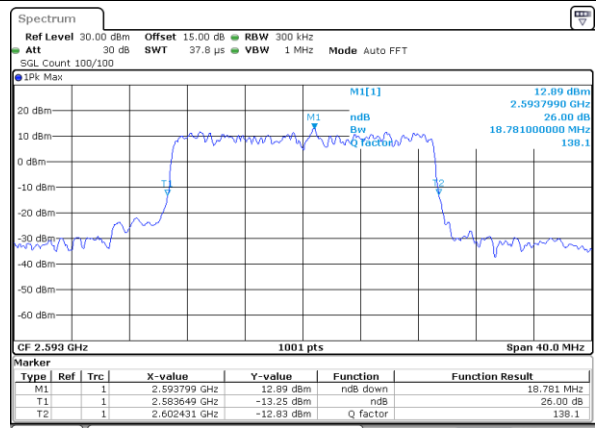
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 27 JUL 2024 15:50:48

Middle Channel / 20MHz / 16QAM

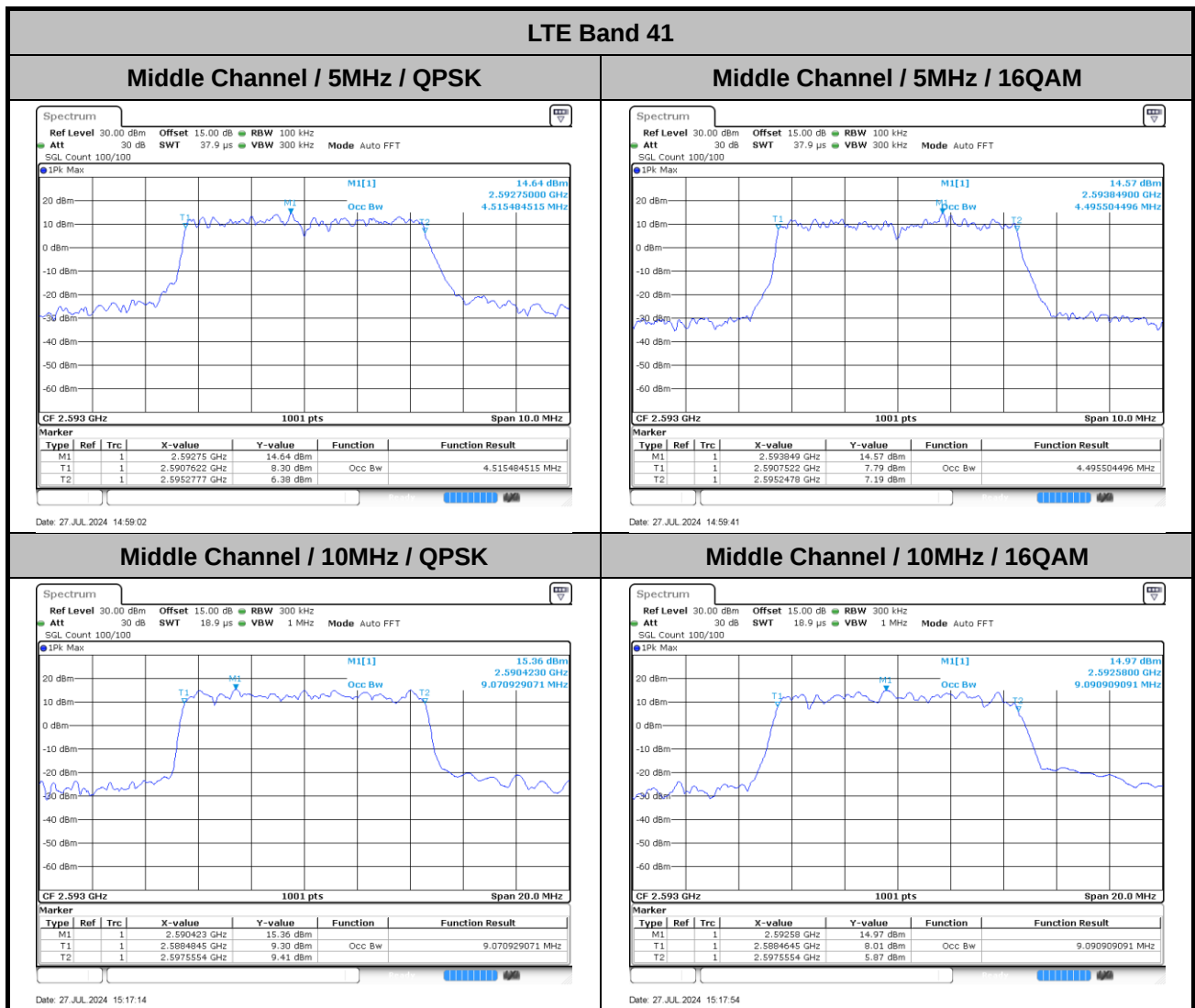


Date: 27 JUL 2024 15:51:28



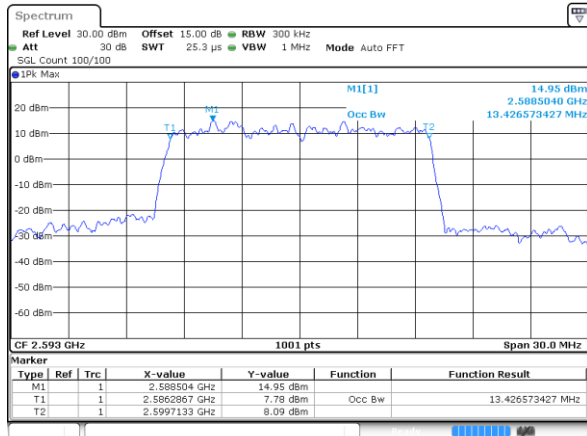
Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.52	4.50	9.07	9.09	13.43	13.43	17.98	17.94



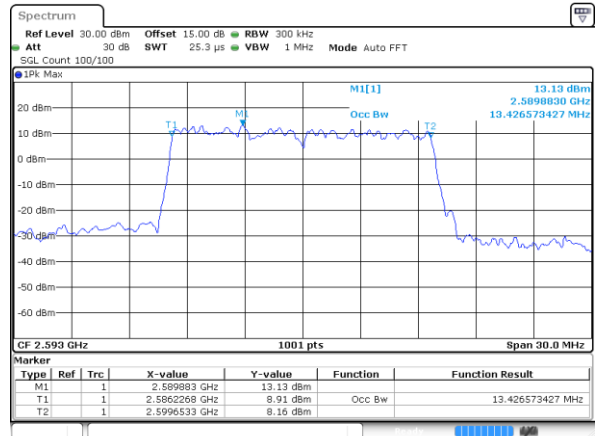


Middle Channel / 15MHz / QPSK



Date: 27 JUL 2024 15:33:55

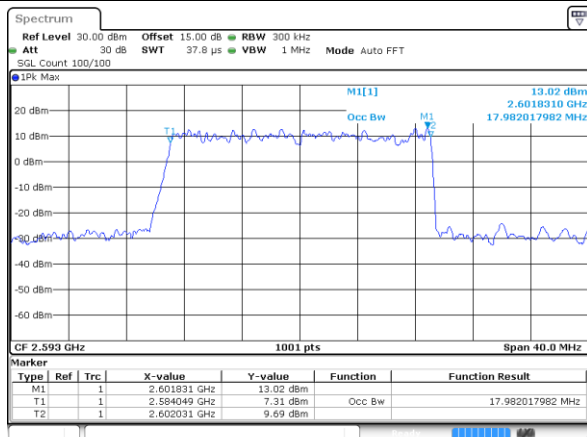
Middle Channel / 15MHz / 16QAM



Date: 27 JUL 2024 15:34:34

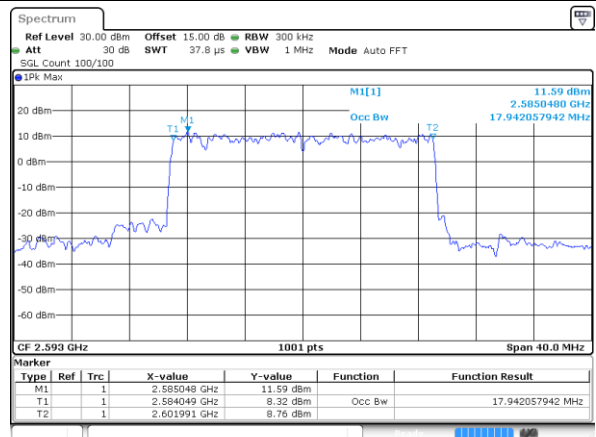
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 27 JUL 2024 15:50:34

Middle Channel / 20MHz / 16QAM



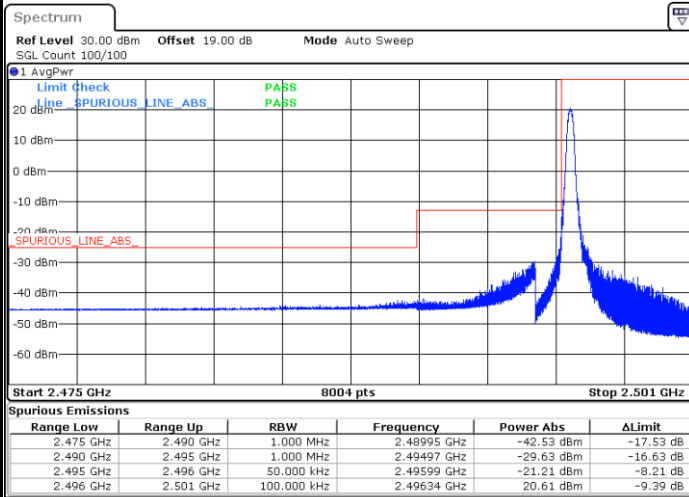
Date: 27 JUL 2024 15:51:14



Conducted Band Edge

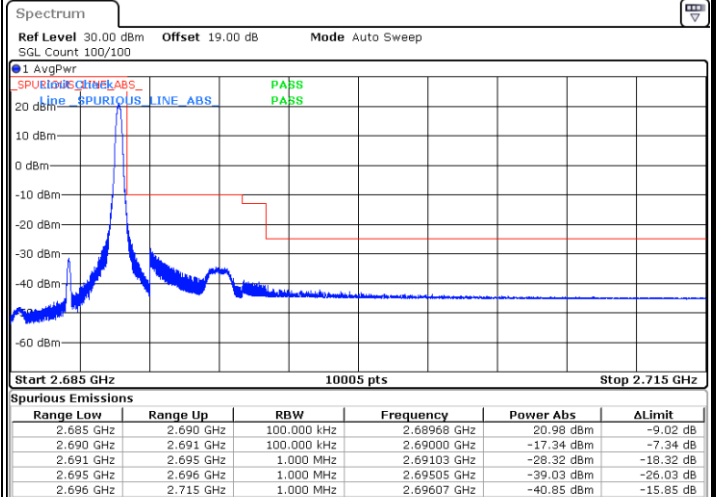
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



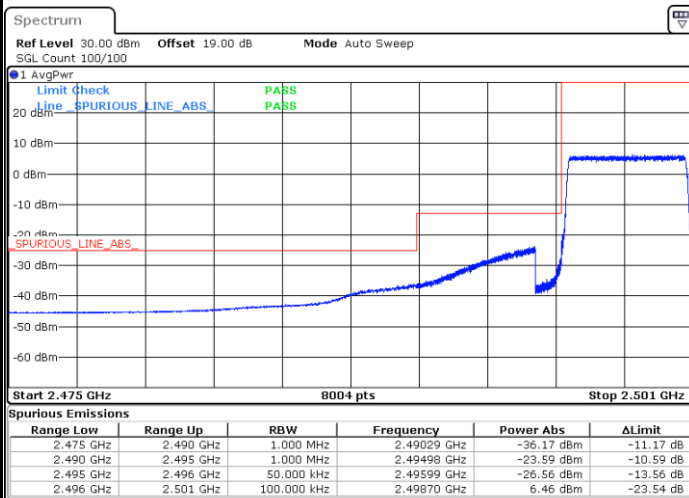
Date: 27 JUL 2024 14:51:35

Highest Band Edge / 1 RB



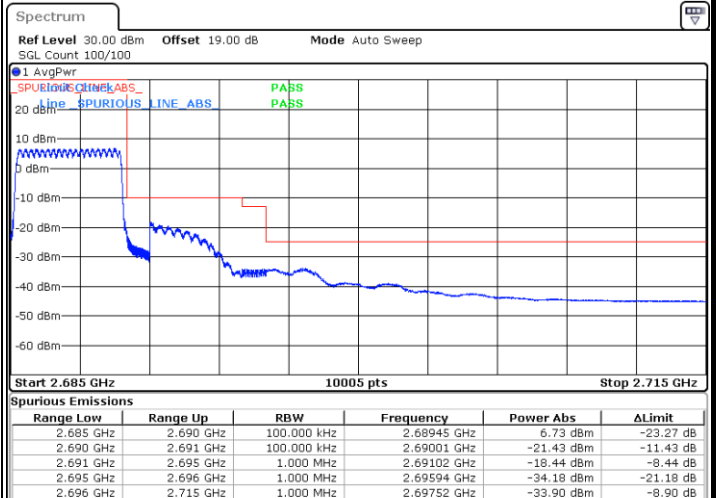
Date: 27 JUL 2024 15:00:58

Lowest Band Edge / Full RB



Date: 27 JUL 2024 14:56:16

Highest Band Edge / Full RB

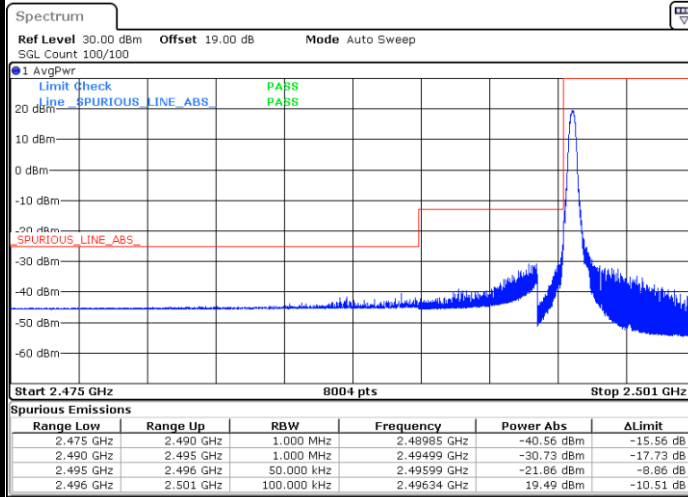


Date: 27 JUL 2024 15:06:16



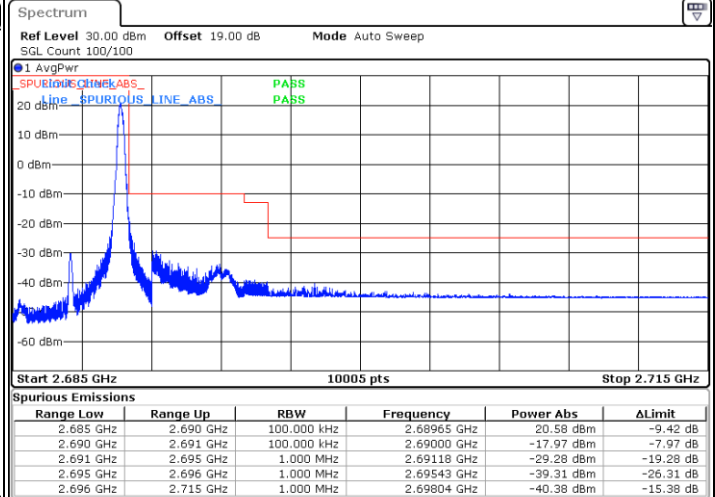
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



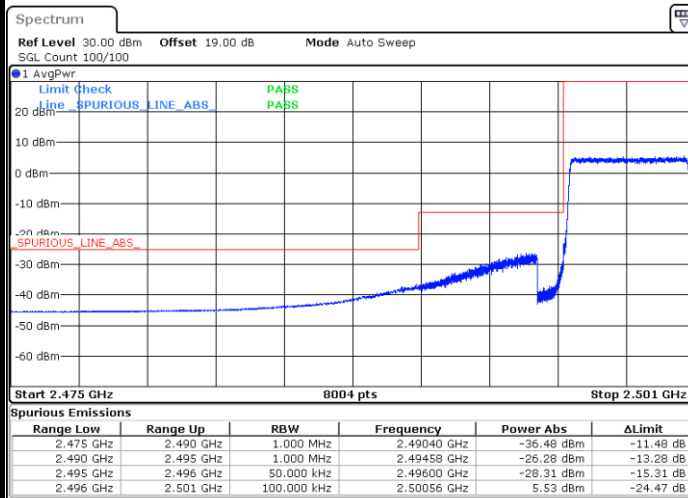
Date: 27 JUL 2024 14:52:31

Highest Band Edge / 1 RB



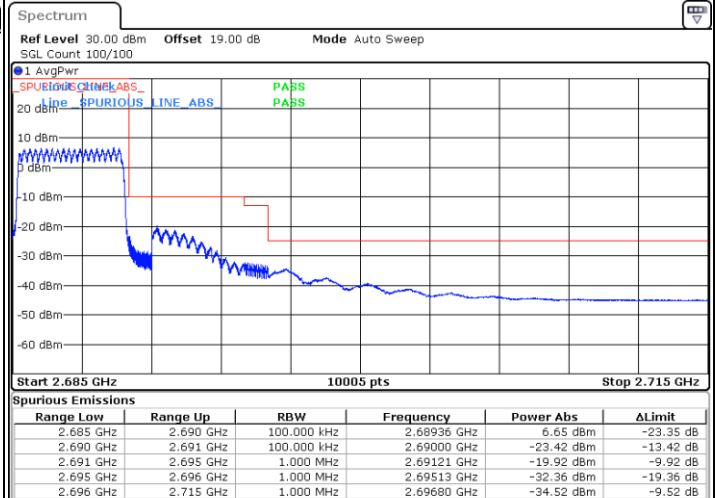
Date: 27 JUL 2024 15:02:01

Lowest Band Edge / Full RB



Date: 27 JUL 2024 14:55:20

Highest Band Edge / Full RB

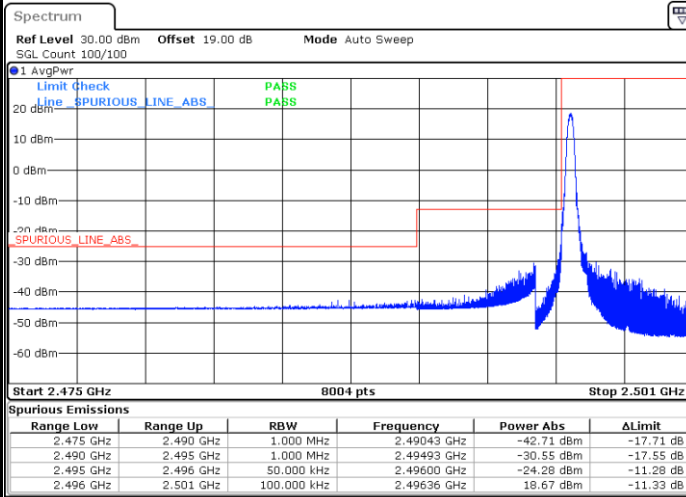


Date: 27 JUL 2024 15:05:13



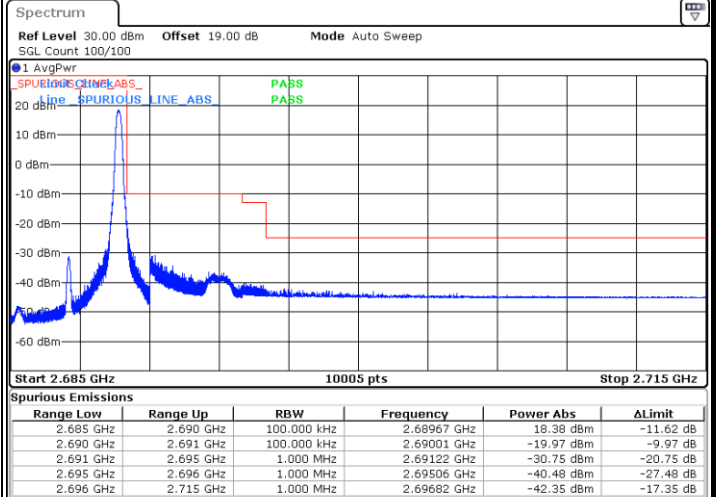
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



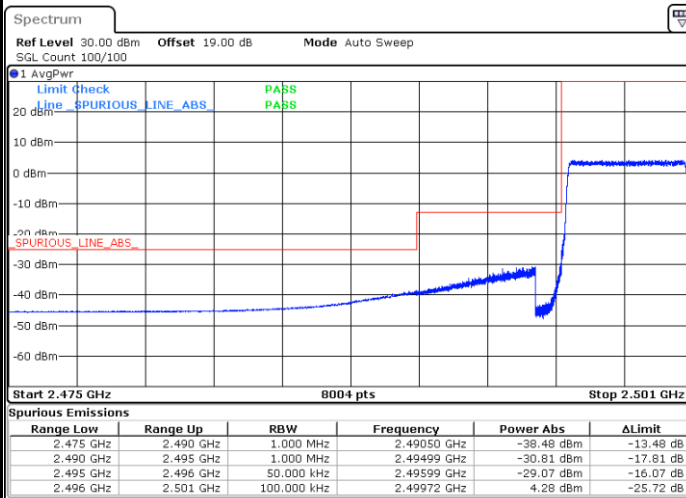
Date: 27 JUL 2024 14:53:27

Highest Band Edge / 1 RB



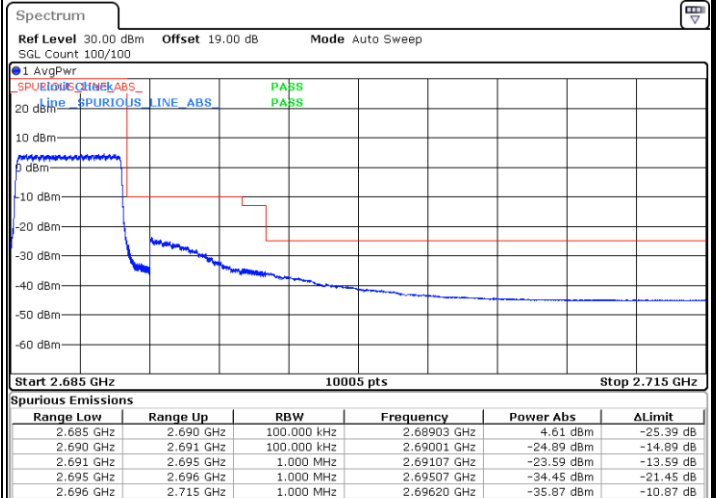
Date: 27 JUL 2024 15:03:05

Lowest Band Edge / Full RB



Date: 27 JUL 2024 14:54:24

Highest Band Edge / Full RB

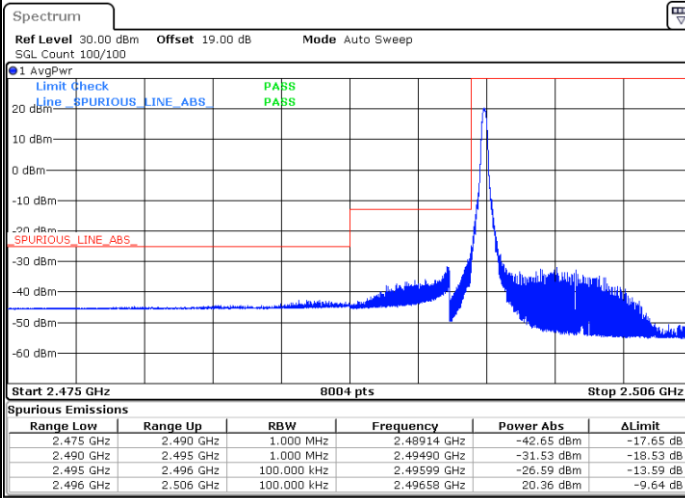


Date: 27 JUL 2024 15:04:09

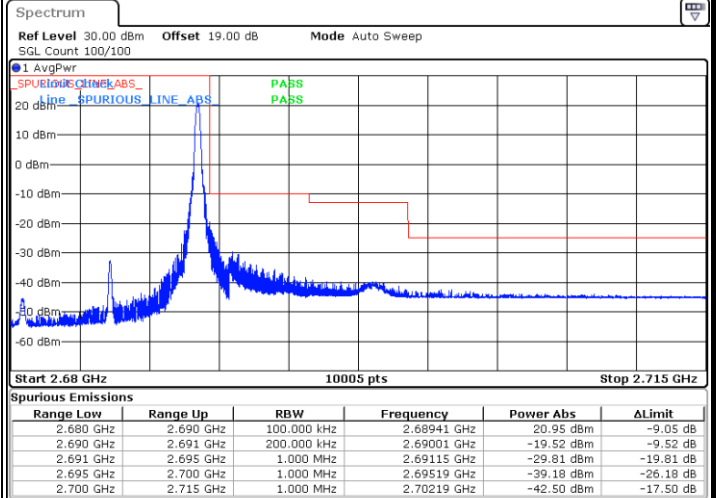


LTE Band 41 / 10MHz / QPSK

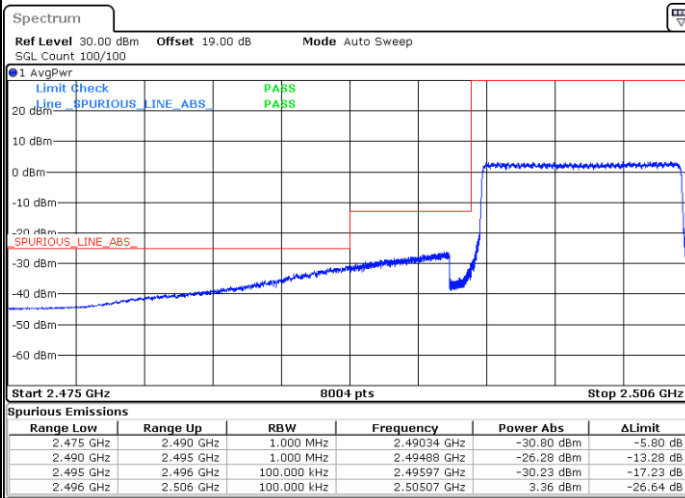
Lowest Band Edge / 1 RB



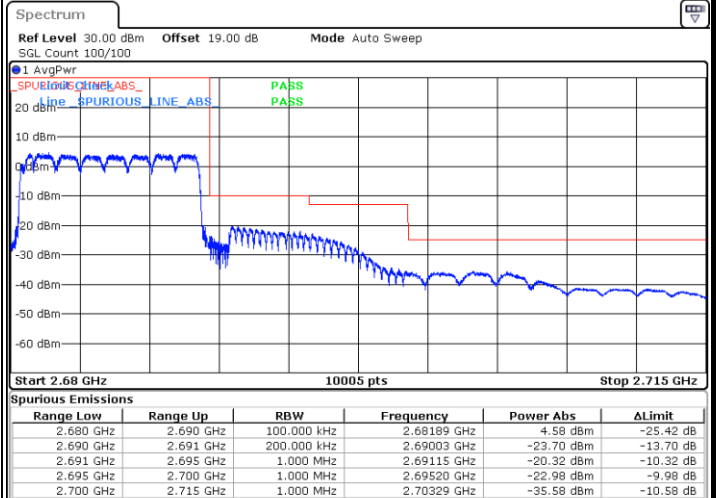
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



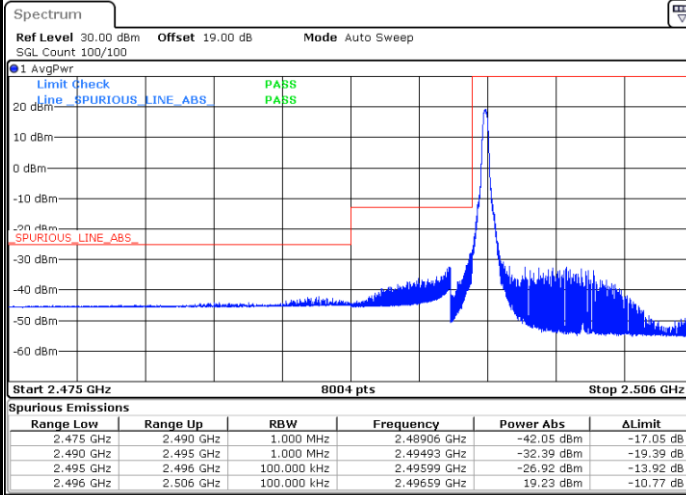
Highest Band Edge / Full RB





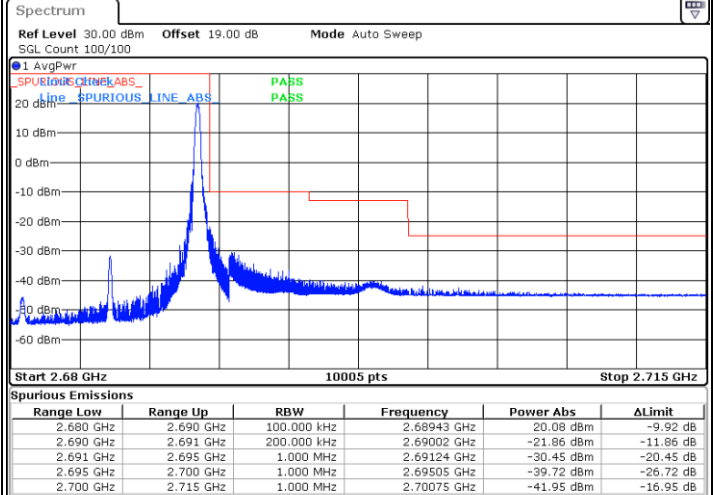
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



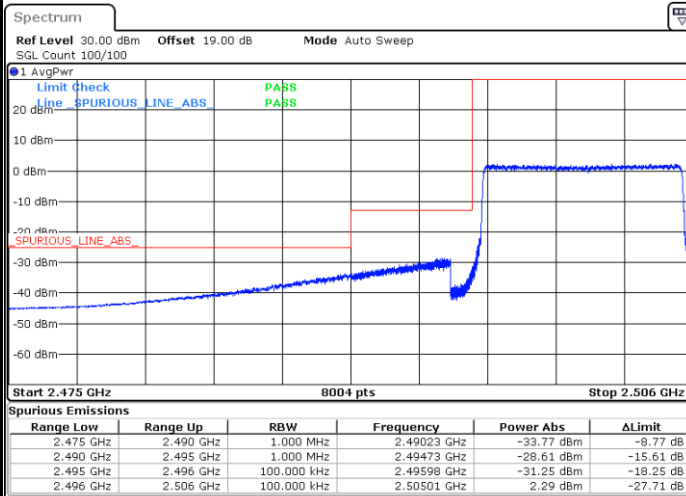
Date: 27 JUL 2024 15:10:45

Highest Band Edge / 1 RB



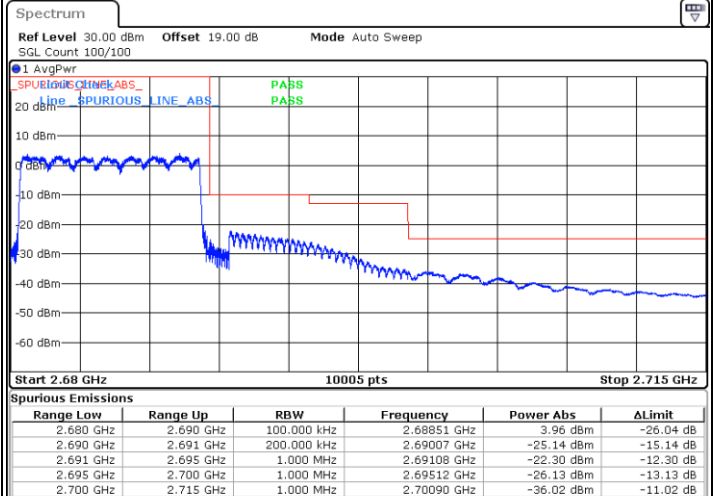
Date: 27 JUL 2024 15:19:58

Lowest Band Edge / Full RB



Date: 27 JUL 2024 15:13:33

Highest Band Edge / Full RB

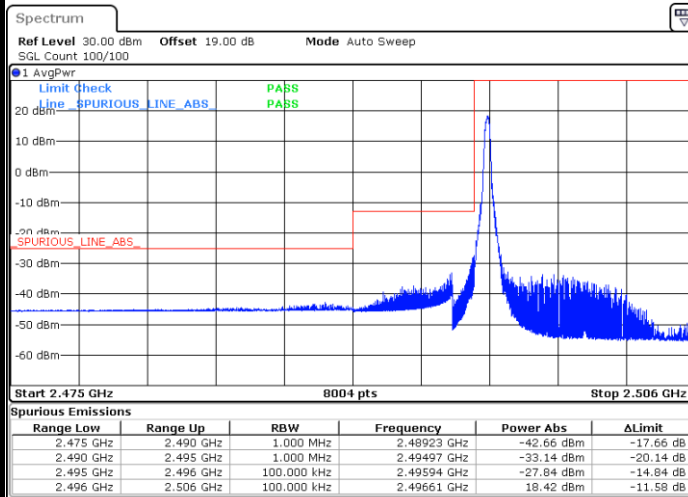


Date: 27 JUL 2024 15:22:45



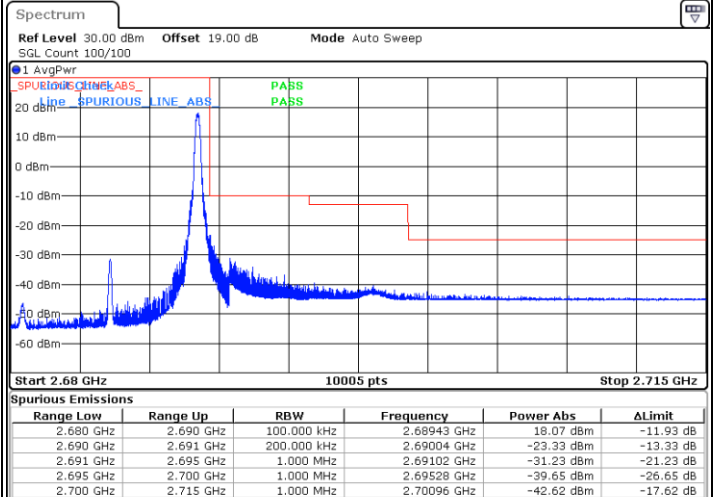
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



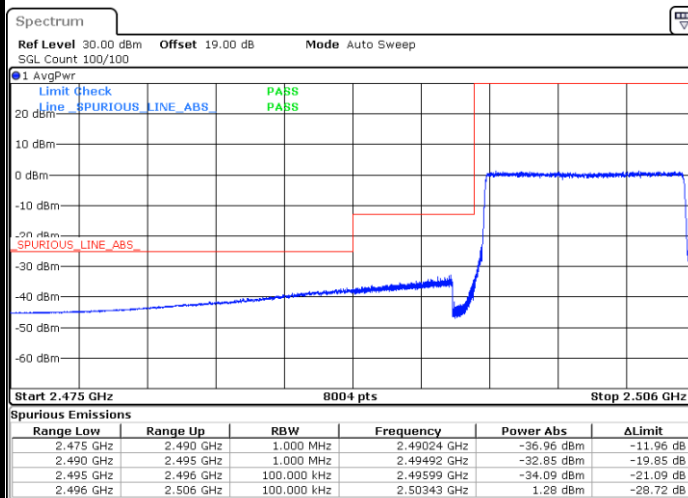
Date: 27 JUL 2024 15:11:41

Highest Band Edge / 1 RB



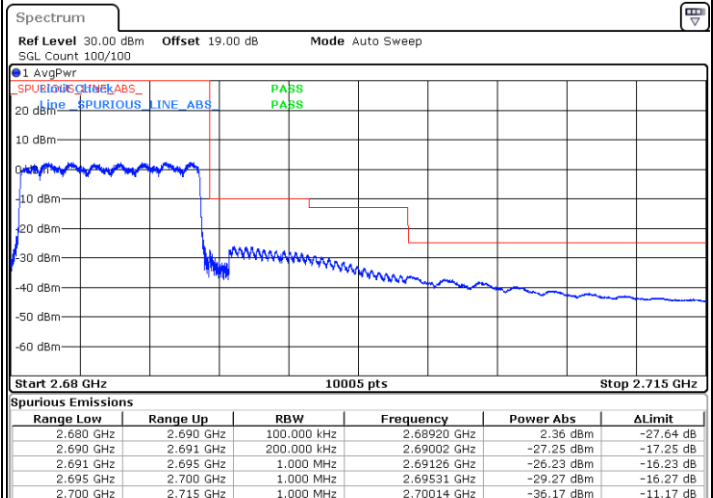
Date: 27 JUL 2024 15:20:53

Lowest Band Edge / Full RB



Date: 27 JUL 2024 15:12:37

Highest Band Edge / Full RB

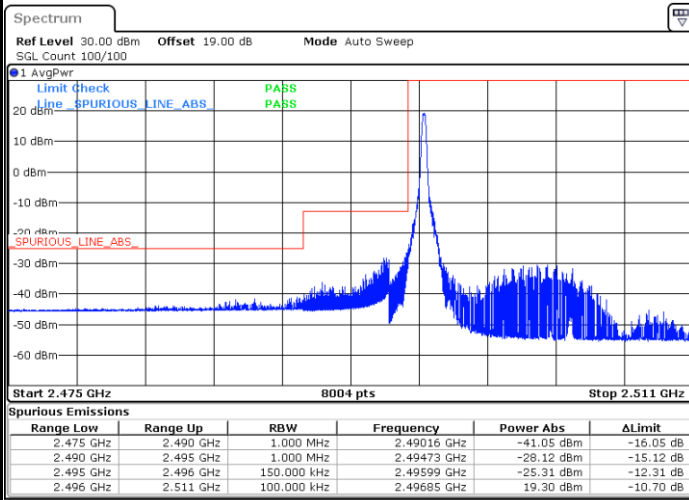


Date: 27 JUL 2024 15:21:49

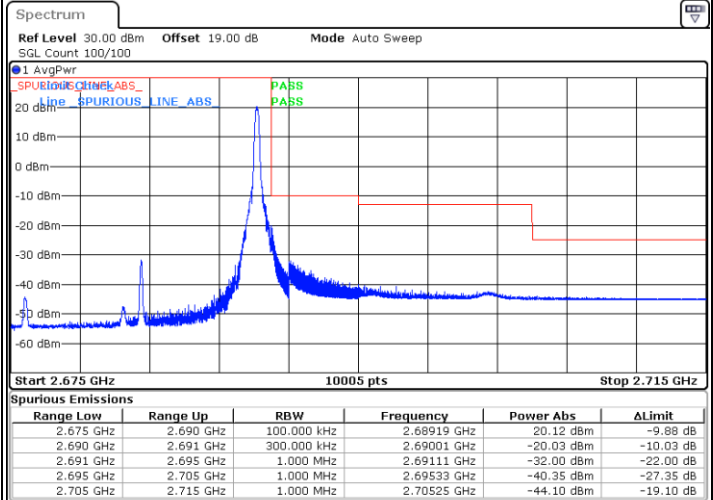


LTE Band 41 / 15MHz / QPSK

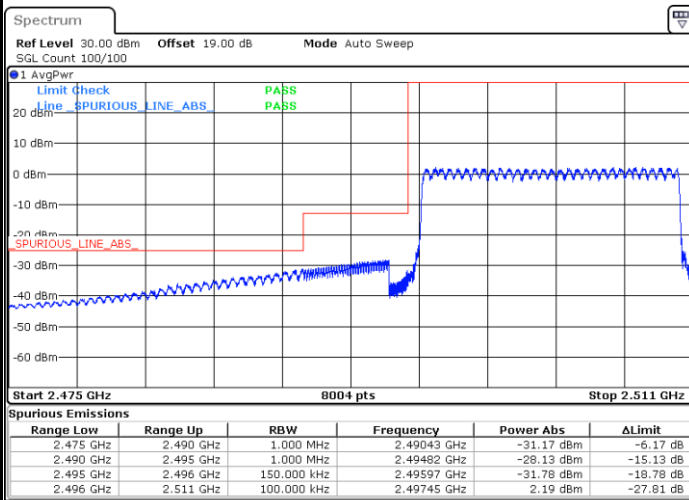
Lowest Band Edge / 1 RB



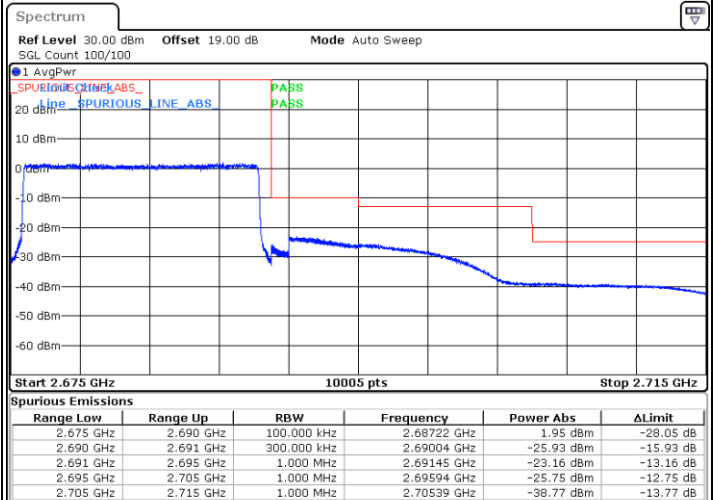
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



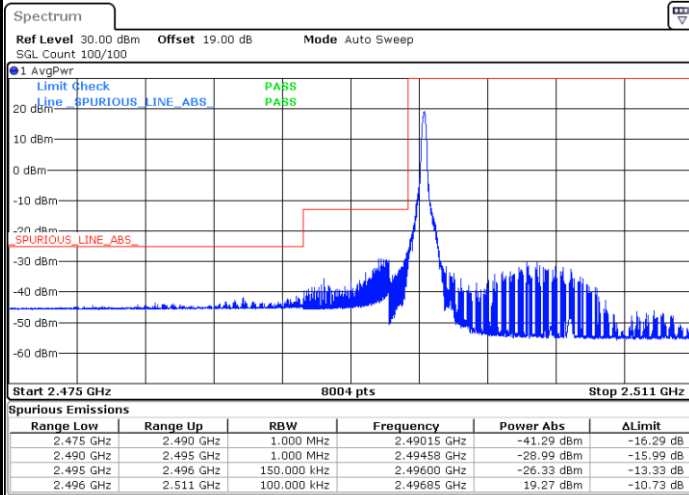
Highest Band Edge / Full RB





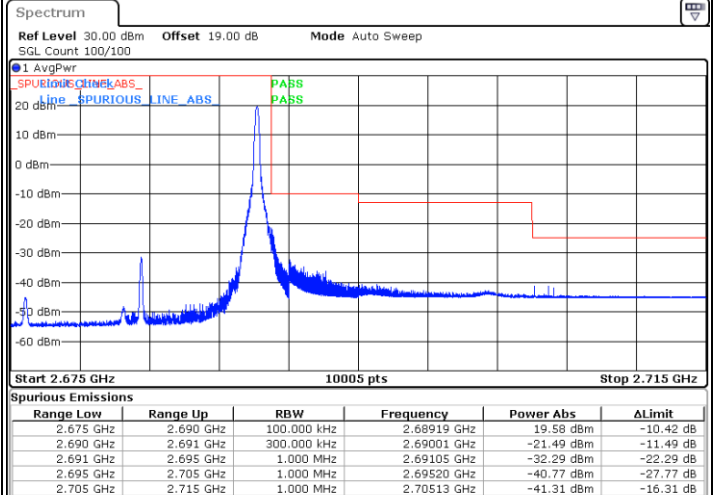
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



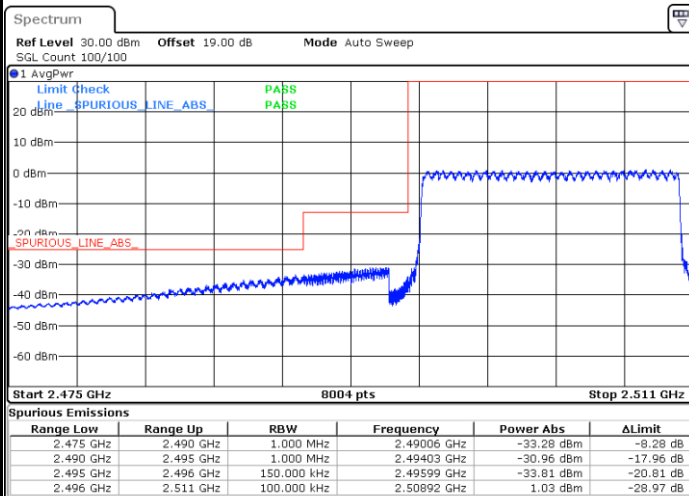
Date: 27 JUL 2024 15:27:25

Highest Band Edge / 1 RB



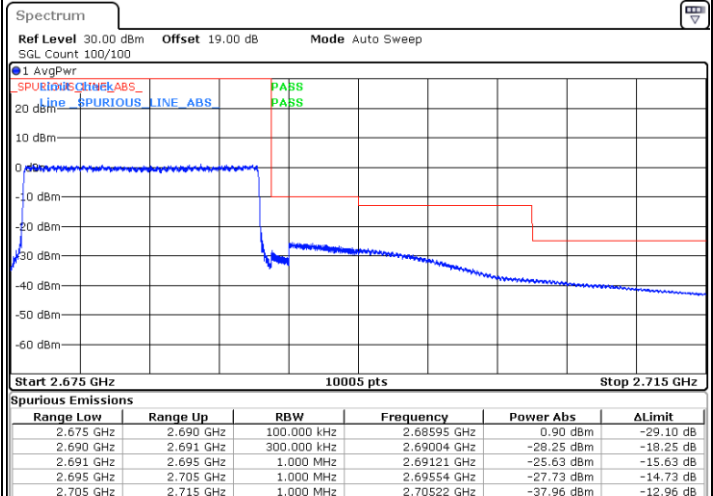
Date: 27 JUL 2024 15:36:38

Lowest Band Edge / Full RB



Date: 27 JUL 2024 15:30:13

Highest Band Edge / Full RB

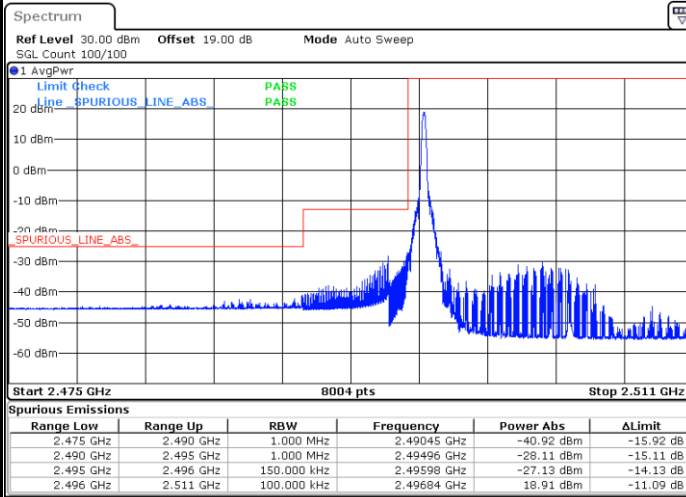


Date: 27 JUL 2024 15:39:25

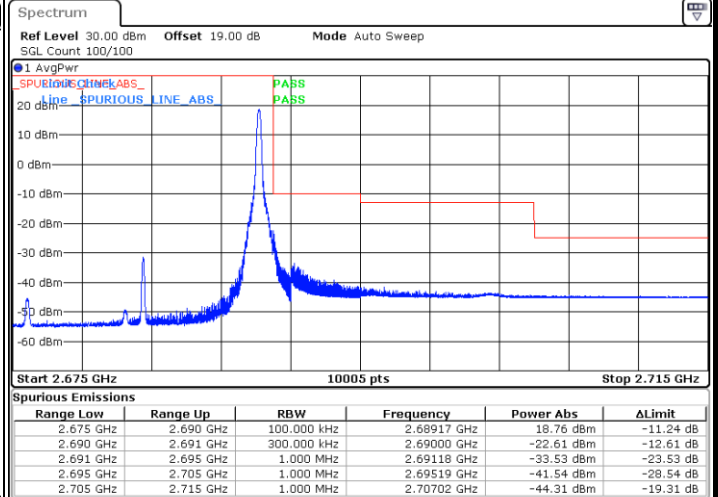


LTE Band 41 / 15MHz / 64QAM

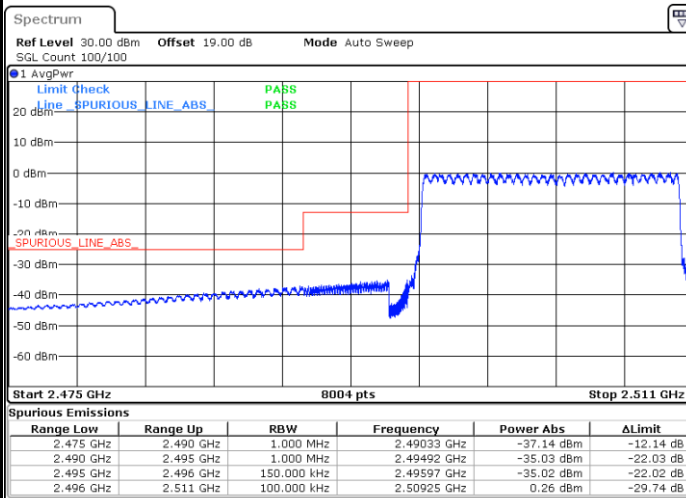
Lowest Band Edge / 1RB



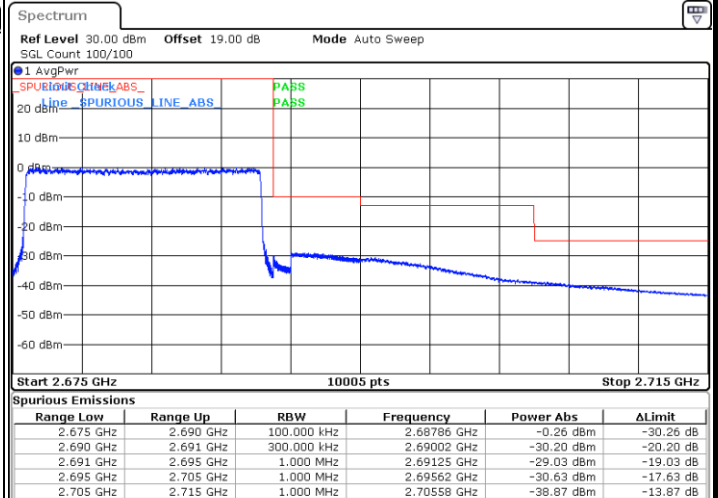
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



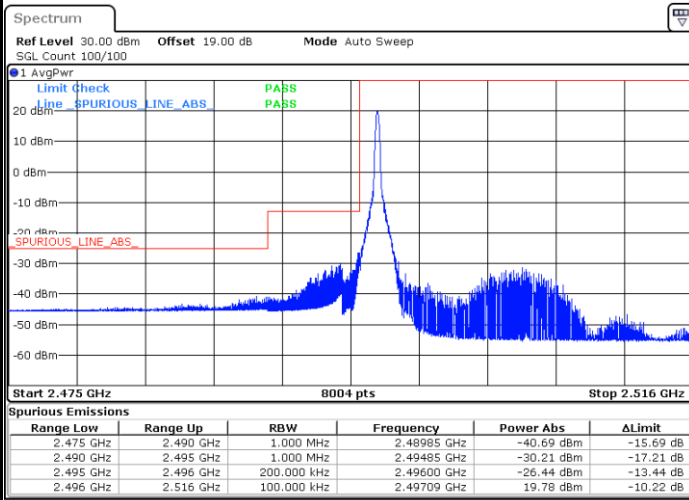
Highest Band Edge / Full RB



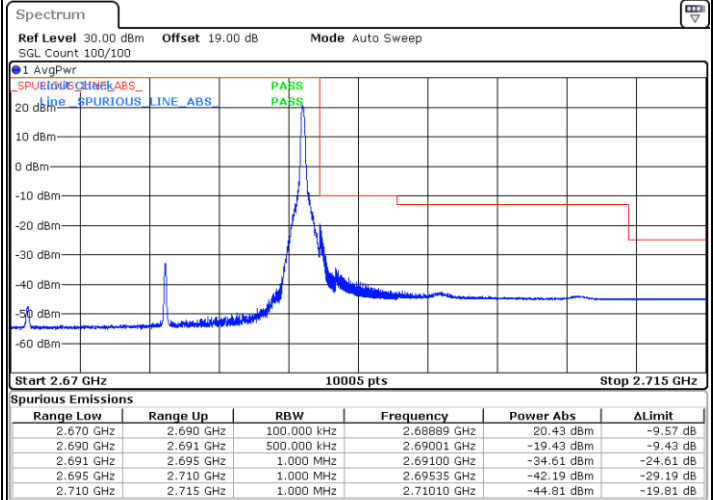


LTE Band 41 / 20MHz / QPSK

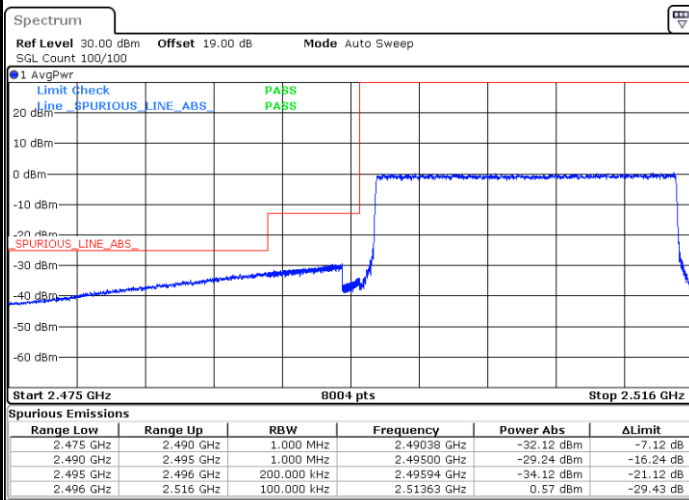
Lowest Band Edge / 1 RB



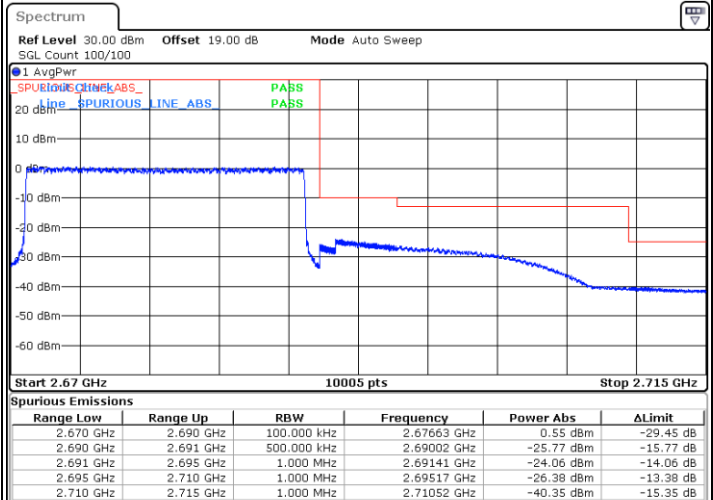
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



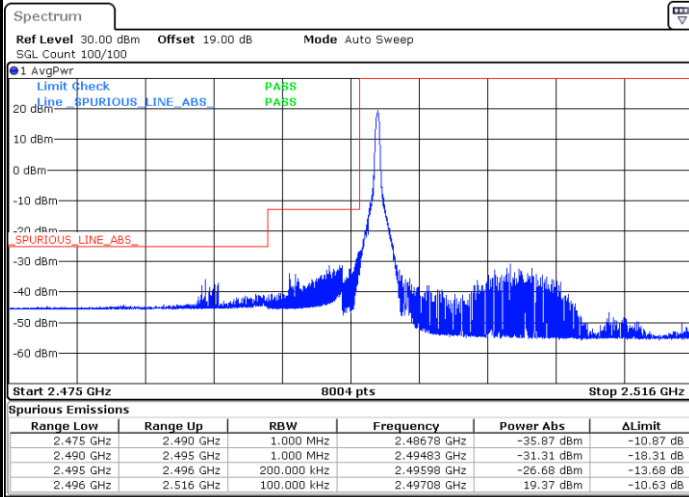
Highest Band Edge / Full RB





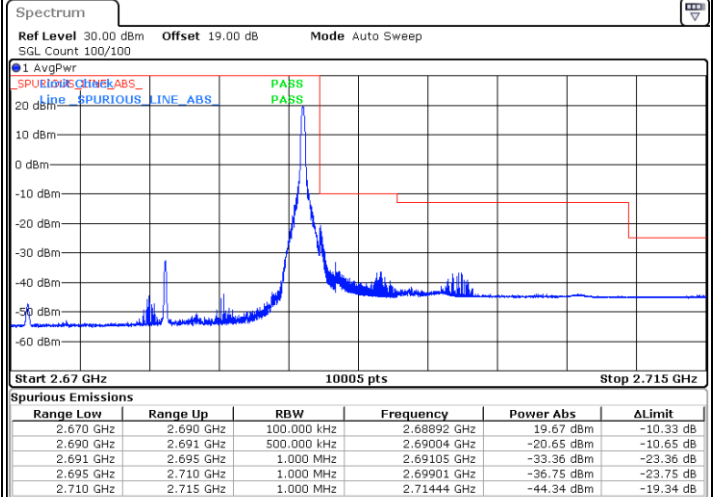
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



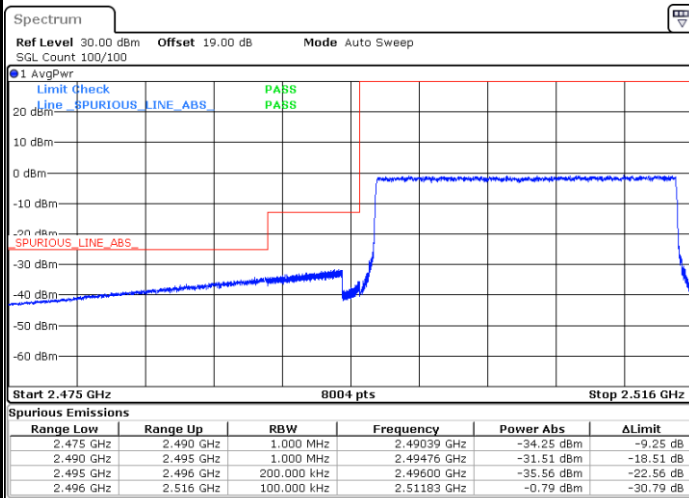
Date: 27 JUL 2024 15:44:05

Highest Band Edge / 1 RB



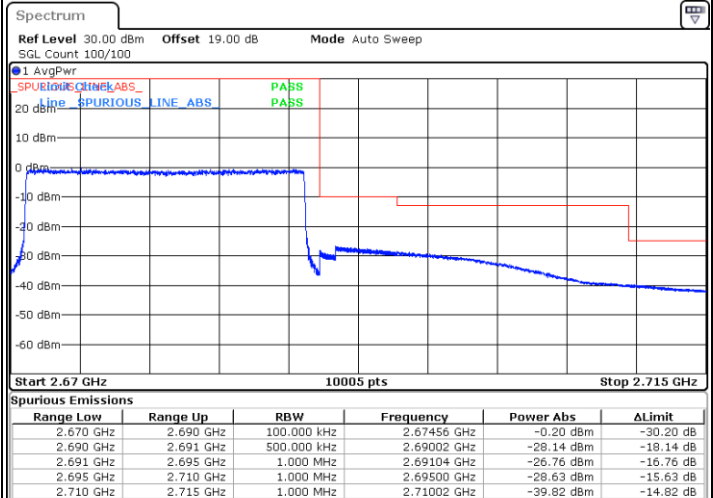
Date: 27 JUL 2024 15:54:38

Lowest Band Edge / Full RB



Date: 27 JUL 2024 15:46:53

Highest Band Edge / Full RB

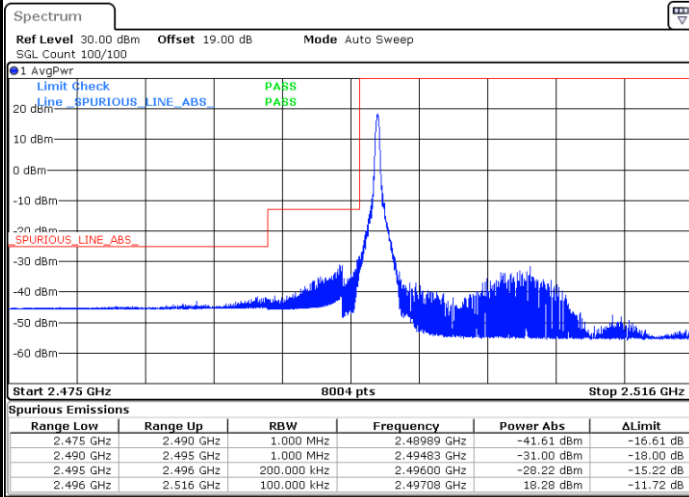


Date: 27 JUL 2024 15:57:25



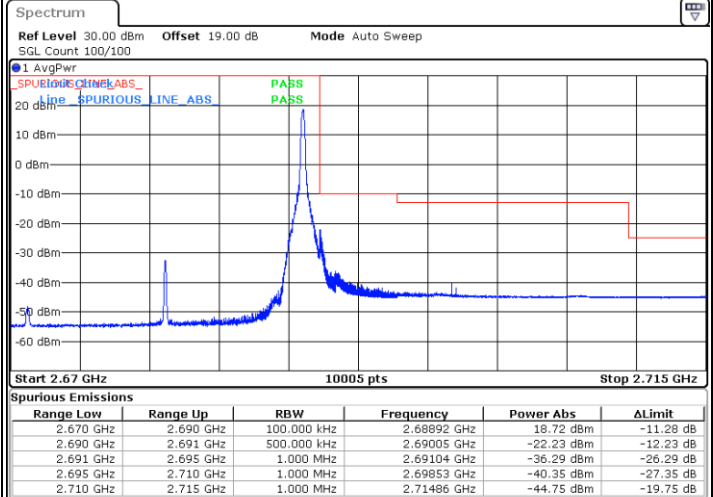
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



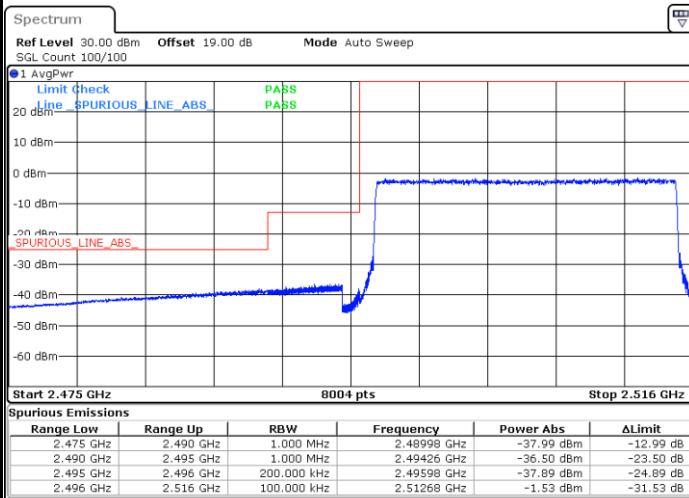
Date: 27 JUL 2024 15:45:01

Highest Band Edge / 1 RB



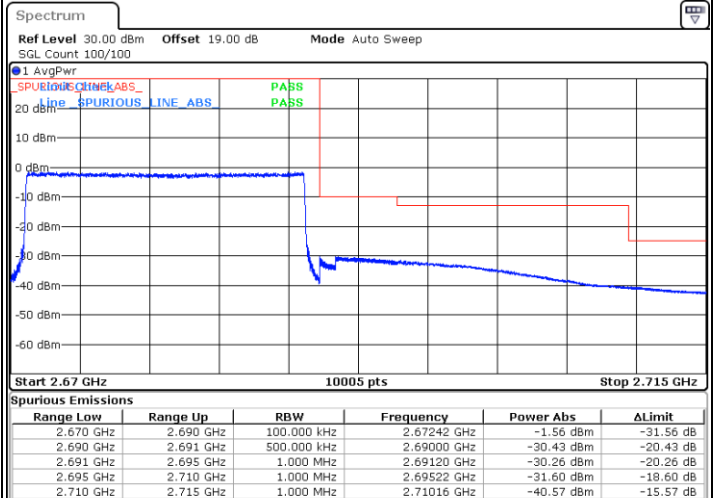
Date: 27 JUL 2024 15:55:33

Lowest Band Edge / Full RB



Date: 27 JUL 2024 15:45:57

Highest Band Edge / Full RB



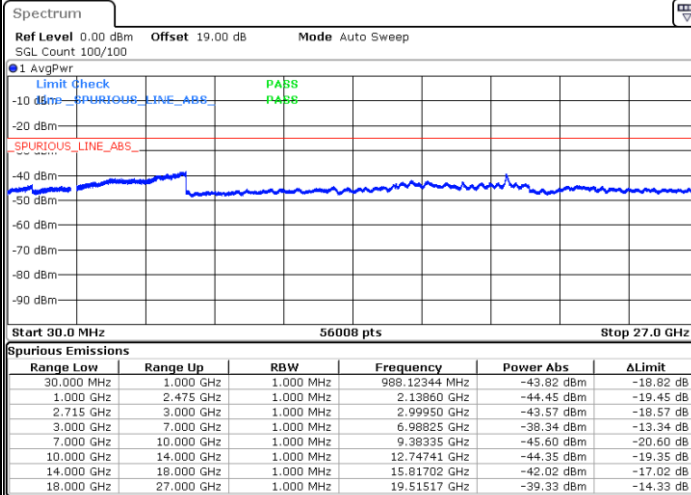
Date: 27 JUL 2024 15:56:29



Conducted Spurious Emission

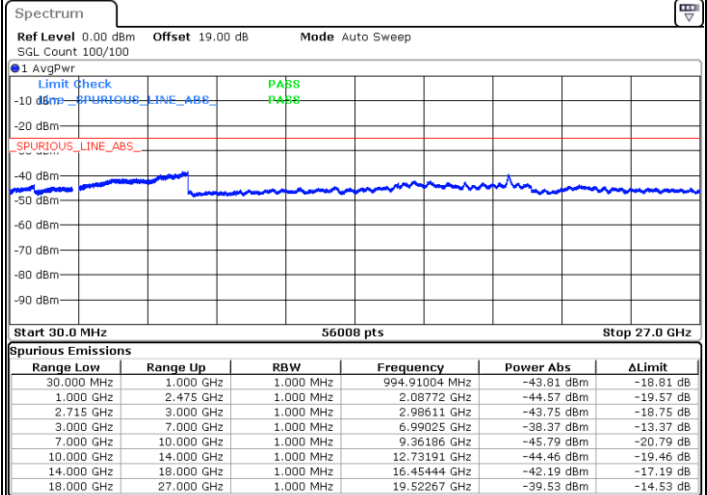
LTE Band 41 / 5MHz

Lowest Channel / QPSK



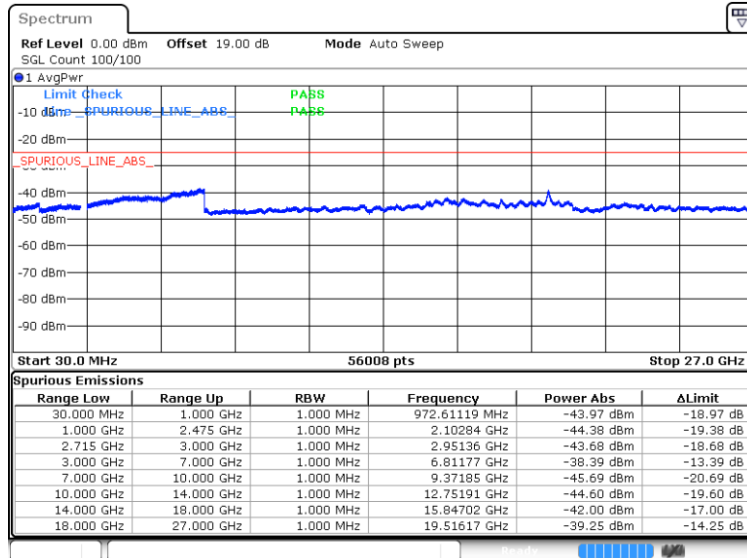
Date: 27 JUL 2024 14:57:26

Middle Channel / QPSK



Date: 27 JUL 2024 14:58:36

Highest Channel / QPSK

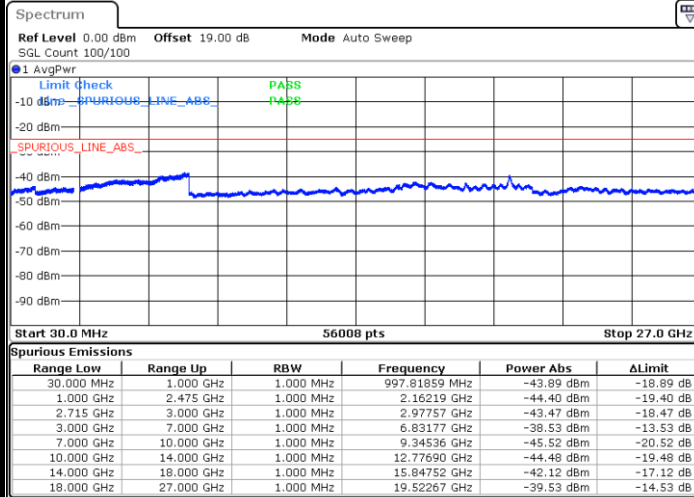


Date: 27 JUL 2024 15:07:26



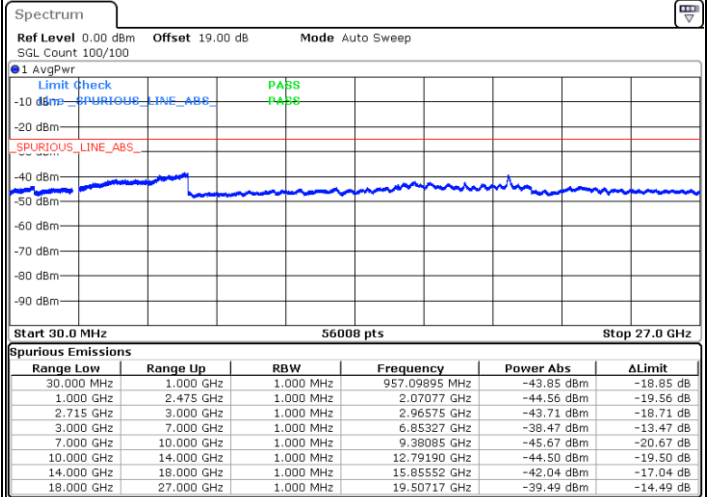
LTE Band 41 / 10MHz

Lowest Channel / QPSK



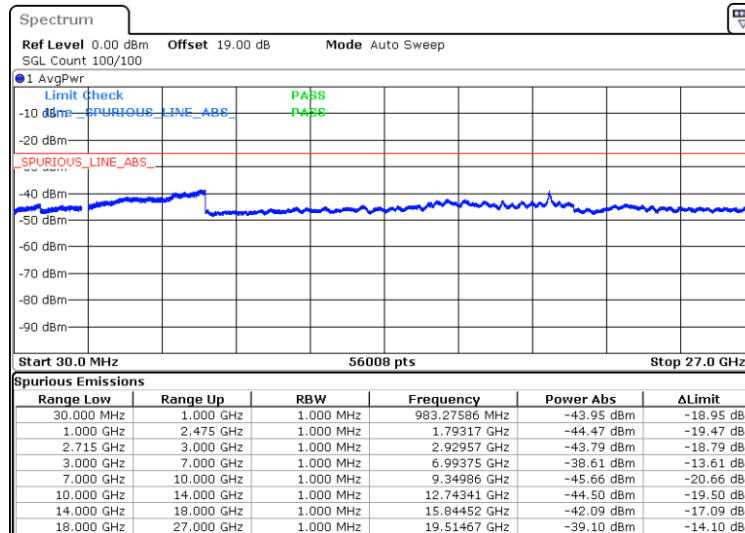
Date: 27 JUL 2024 15:15:39

Middle Channel / QPSK



Date: 27 JUL 2024 15:16:49

Highest Channel / QPSK

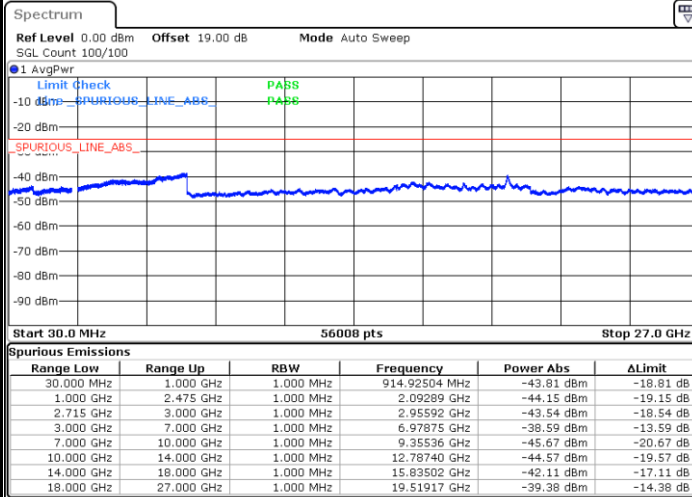


Date: 27 JUL 2024 15:24:51



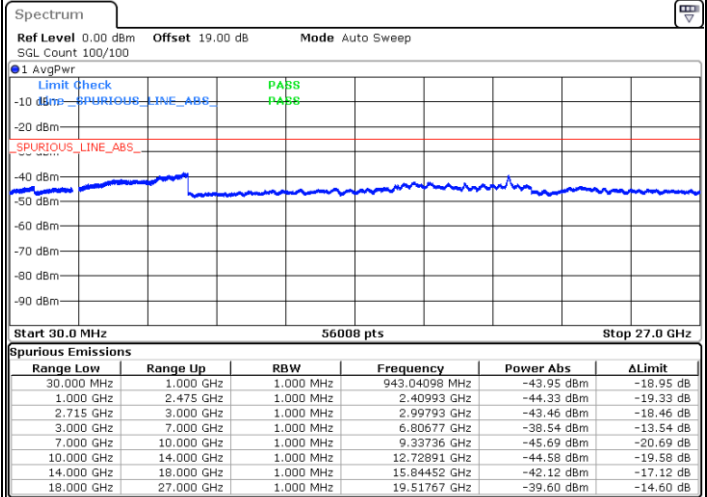
LTE Band 41 / 15MHz

Lowest Channel / QPSK



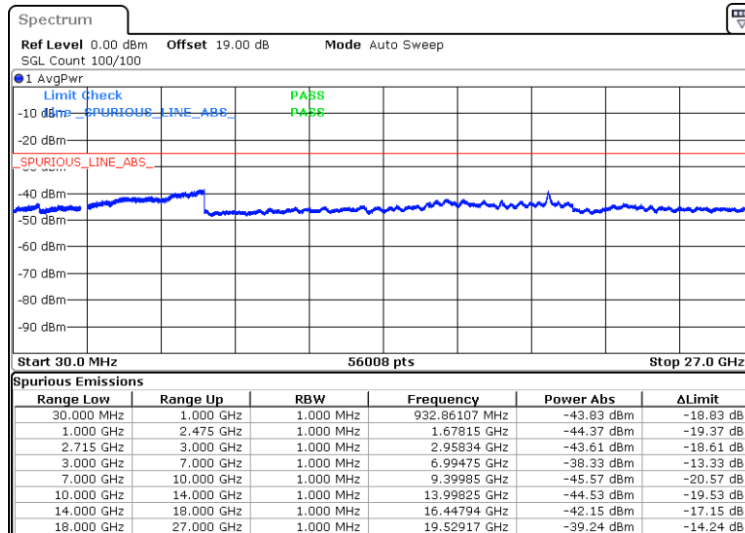
Date: 27 JUL 2024 15:32:19

Middle Channel / QPSK



Date: 27 JUL 2024 15:33:29

Highest Channel / QPSK

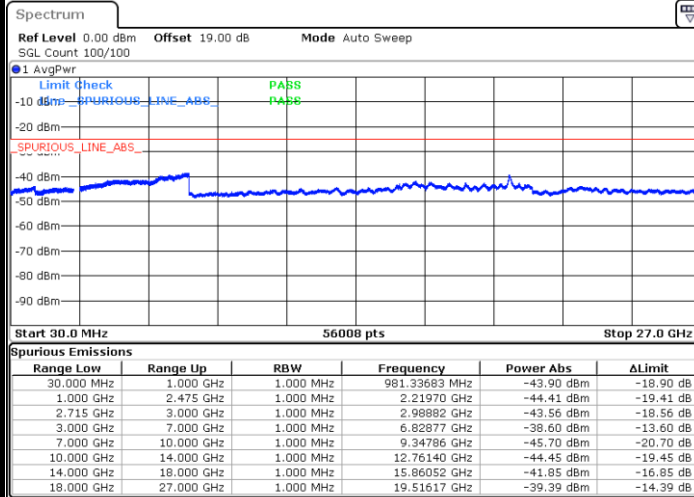


Date: 27 JUL 2024 15:41:31



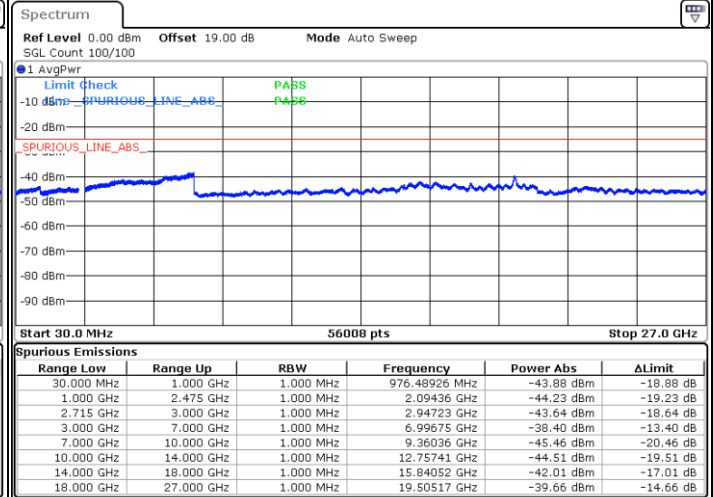
LTE Band 41 / 20MHz

Lowest Channel / QPSK



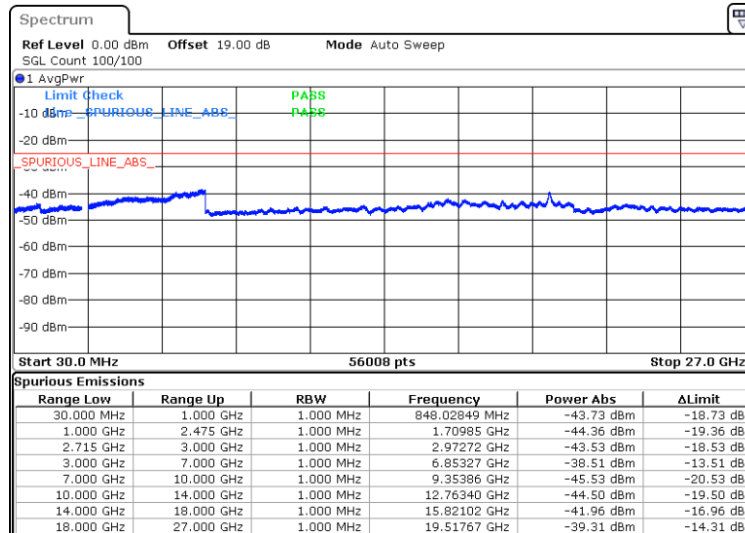
Date: 27 JUL 2024 15:48:59

Middle Channel / QPSK



Date: 27 JUL 2024 15:50:09

Highest Channel / QPSK



Date: 27 JUL 2024 15:59:31

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0003	

Note:

1. Normal Voltage = 5 V. ; Minimum Voltage = 4.75 V. ; Maximum Voltage = 5.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band CA_7C

26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.97	25.18	30.81	34.83
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	35.04	39.72	-

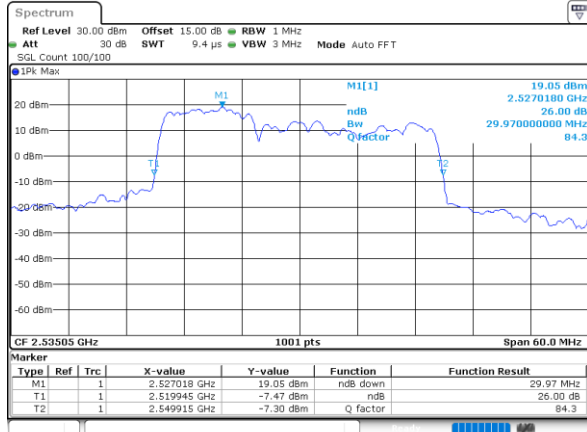
Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.85	25.38	30.51	34.90
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	35.11	39.80	-



LTE Band 7C

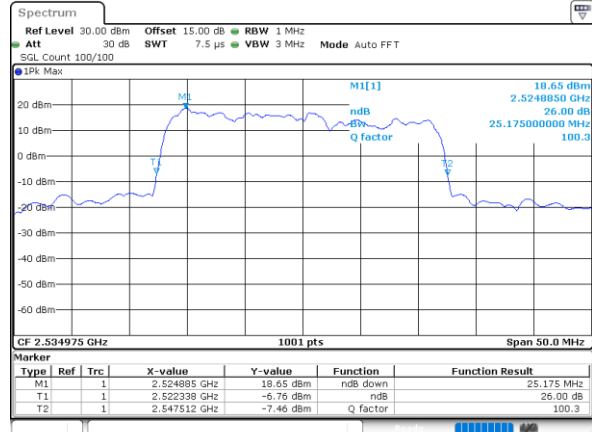
QPSK

Middle Channel / 10MHz+20MHz



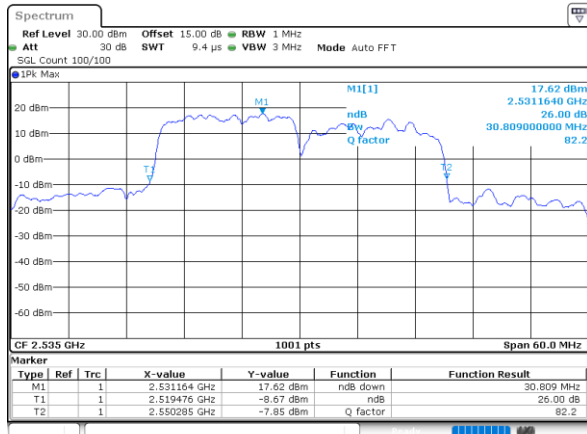
Date: 26.JUL.2024 21:28:57

Middle Channel / 15MHz+10MHz



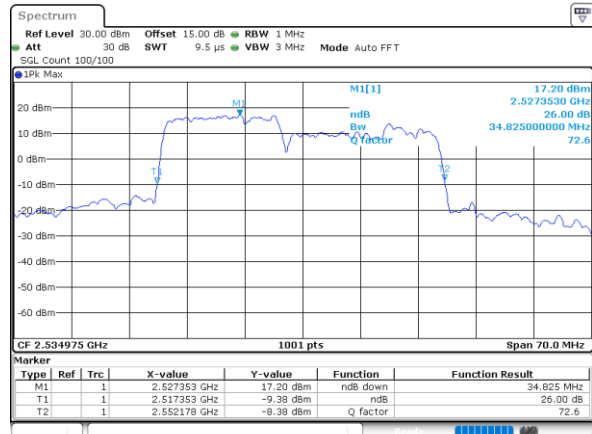
Date: 27.JUL.2024 00:12:53

Middle Channel / 15MHz+15MHz



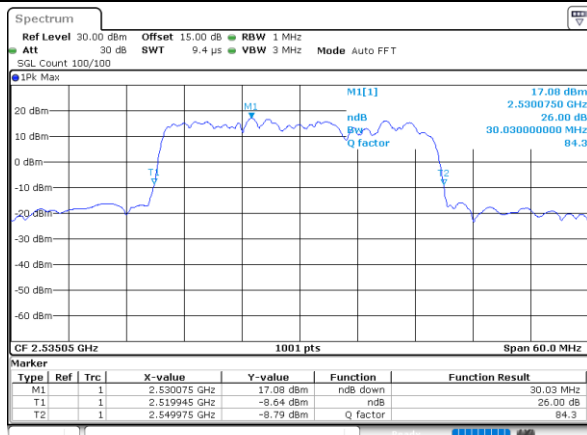
Date: 26.JUL.2024 22:20:34

Middle Channel / 15MHz+20MHz



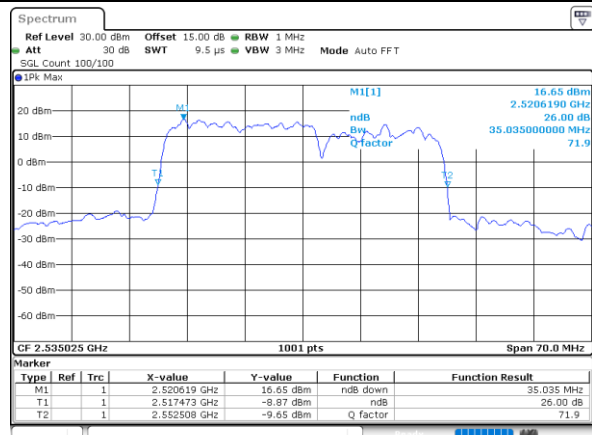
Date: 26.JUL.2024 22:45:44

Middle Channel / 20MHz+10MHz

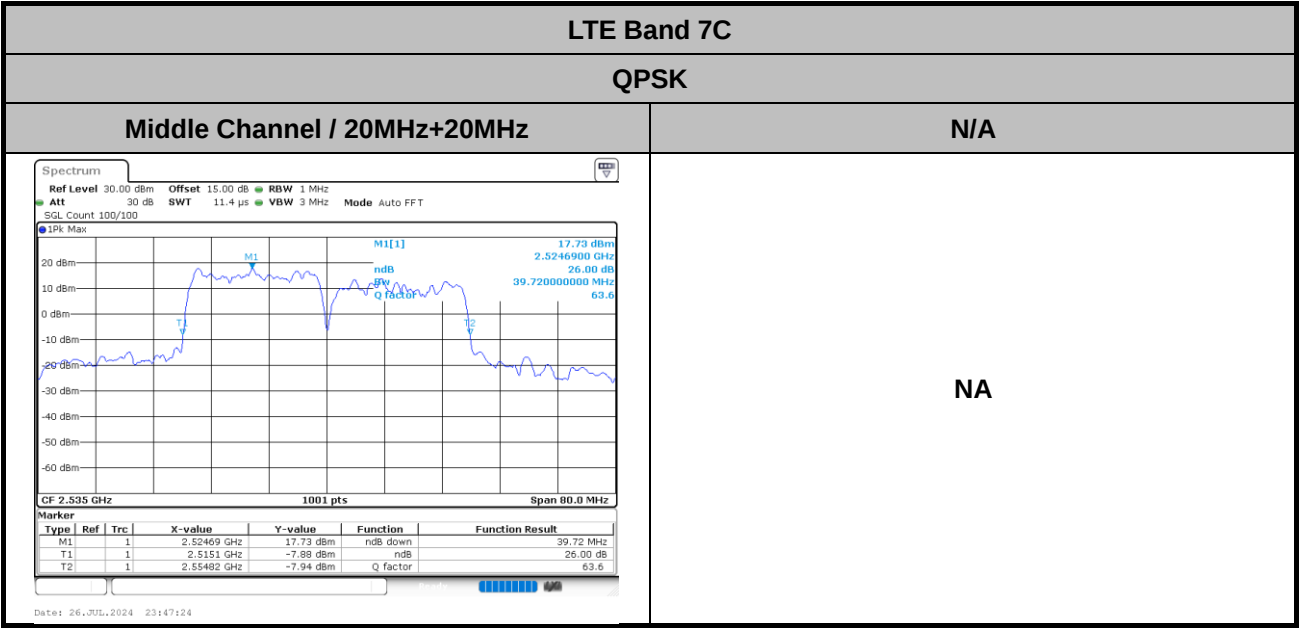


Date: 26.JUL.2024 21:54:47

Middle Channel / 20MHz+15MHz



Date: 26.JUL.2024 23:21:32

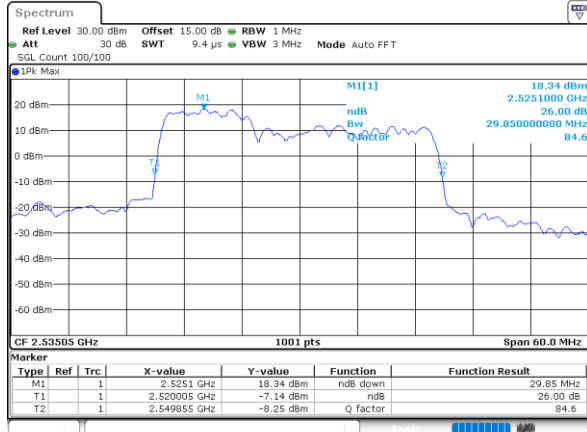




LTE Band 7C

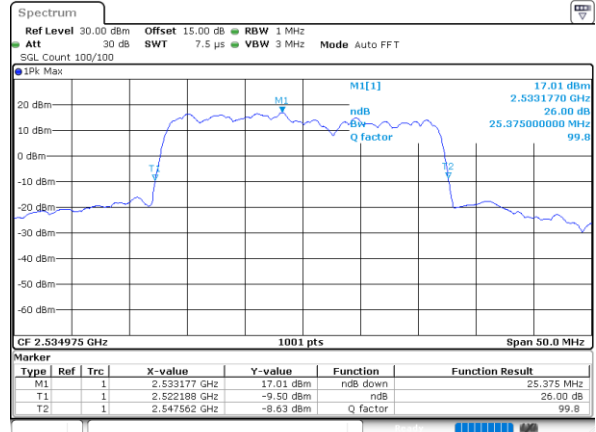
16QAM

Middle Channel / 10MHz+20MHz



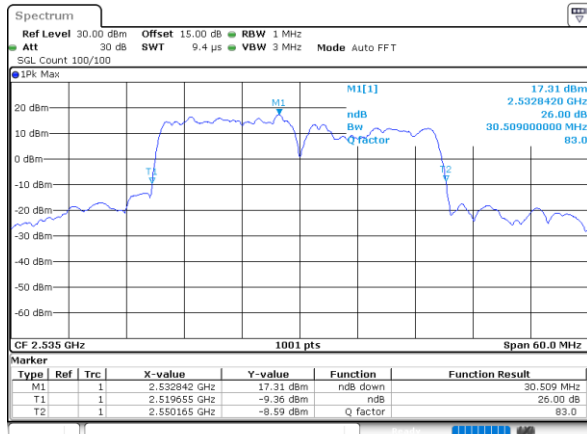
Date: 26.JUL.2024 21:29:29

Middle Channel / 15MHz+10MHz



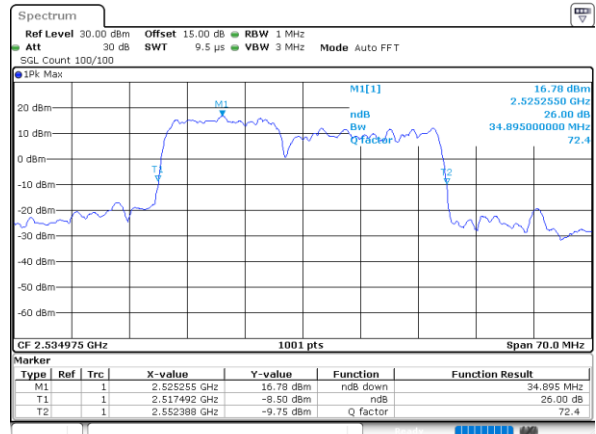
Date: 27.JUL.2024 00:13:25

Middle Channel / 15MHz+15MHz



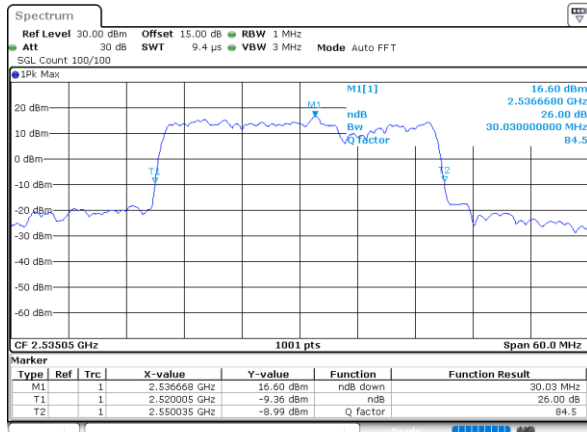
Date: 26.JUL.2024 22:21:03

Middle Channel / 15MHz+20MHz



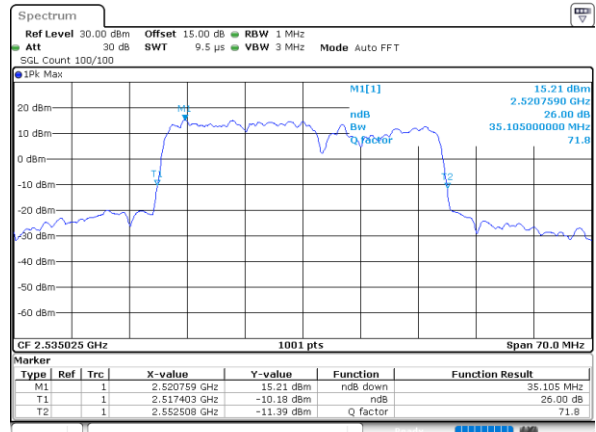
Date: 26.JUL.2024 22:46:15

Middle Channel / 20MHz+10MHz



Date: 26.JUL.2024 21:55:18

Middle Channel / 20MHz+15MHz



Date: 26.JUL.2024 23:22:04

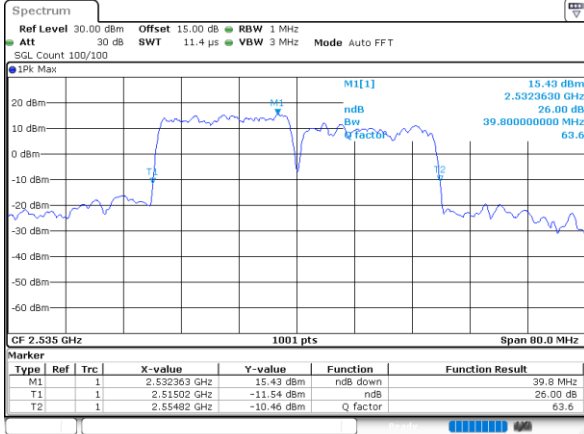


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



NA

**Occupied Bandwidth**

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	28.05	23.43	28.65	32.80
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.17	32.94	37.64	

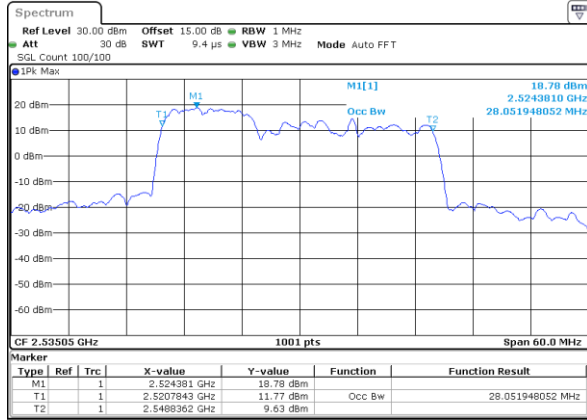
Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.81	23.18	28.77	32.73
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.93	32.94	37.48	



LTE Band 7C

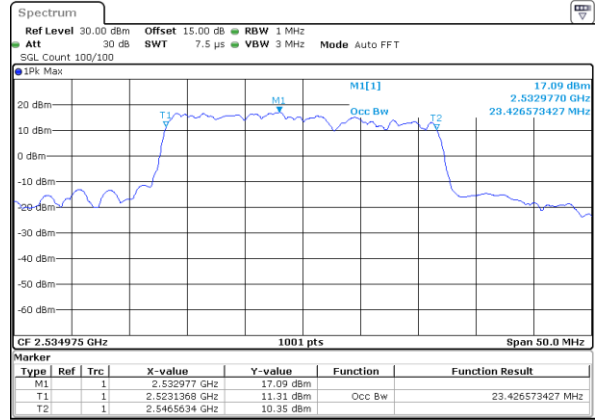
QPSK

Middle Channel / 10MHz+20MHz



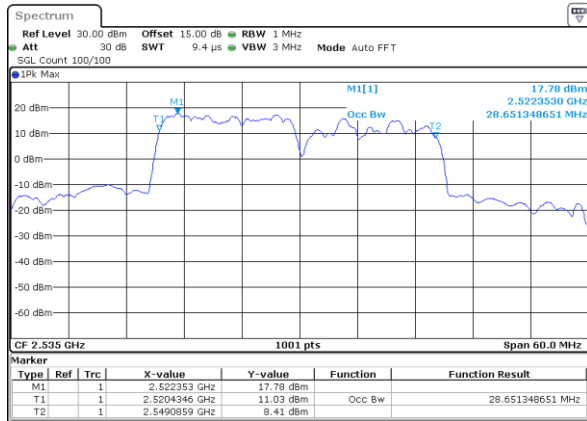
Date: 26.JUL.2024 21:28:26

Middle Channel / 15MHz+10MHz



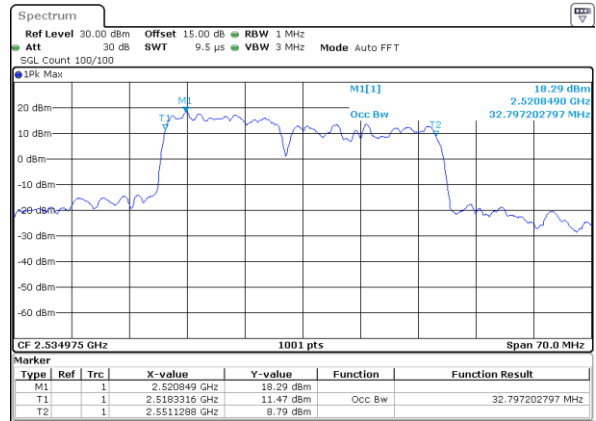
Date: 27.JUL.2024 00:12:22

Middle Channel / 15MHz+15MHz



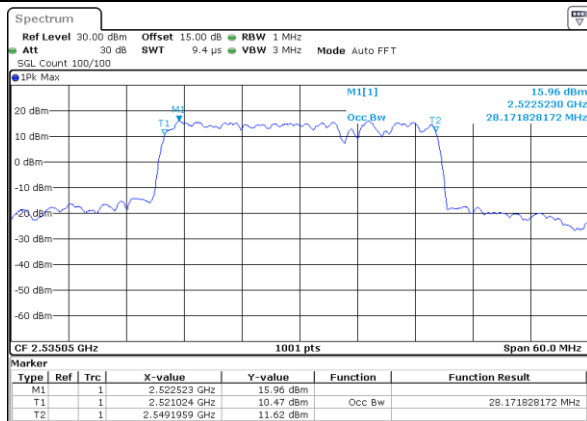
Date: 26.JUL.2024 22:20:04

Middle Channel / 15MHz+20MHz



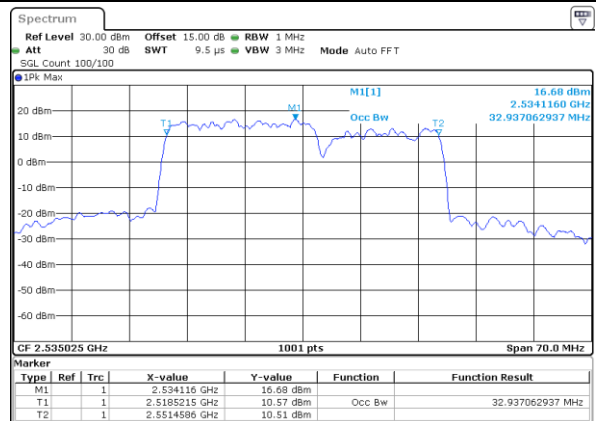
Date: 26.JUL.2024 22:45:13

Middle Channel / 20MHz+10MHz



Date: 26.JUL.2024 21:54:16

Middle Channel / 20MHz+15MHz



Date: 26.JUL.2024 23:21:01

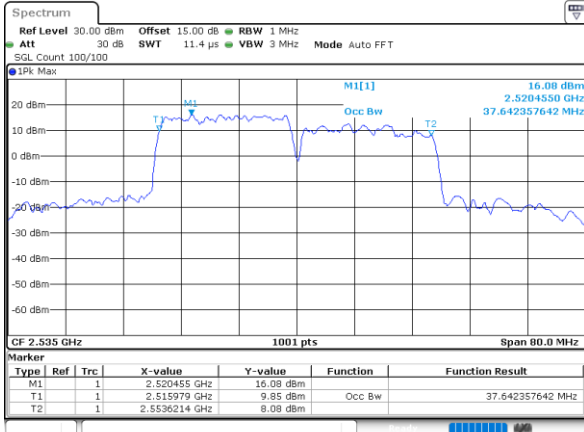


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



NA

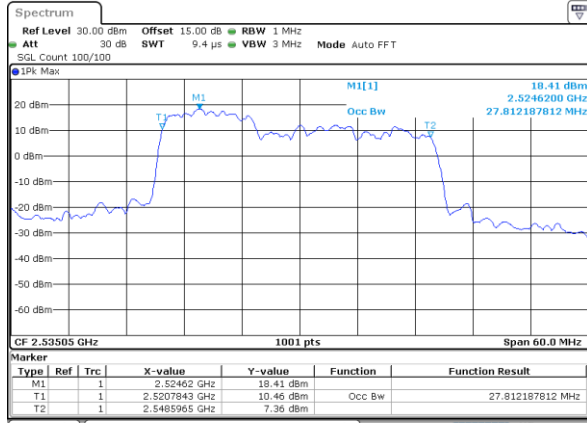
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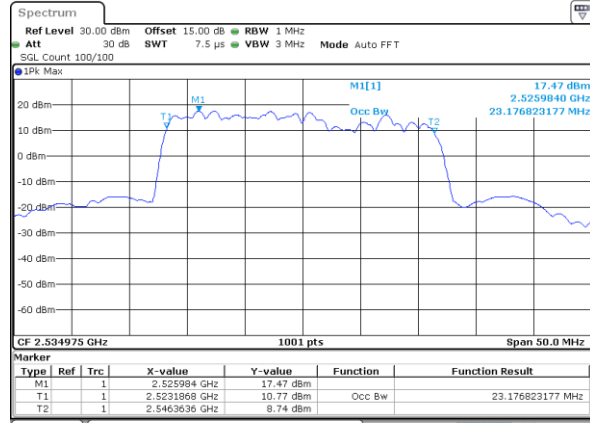
LTE Band 7C

16QAM

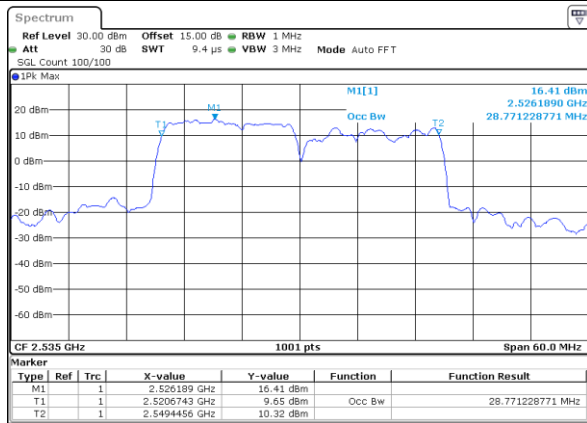
Middle Channel / 10MHz+20MHz



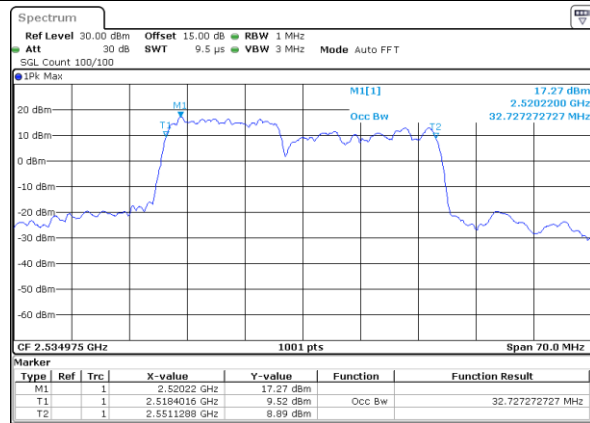
Middle Channel / 15MHz+10MHz



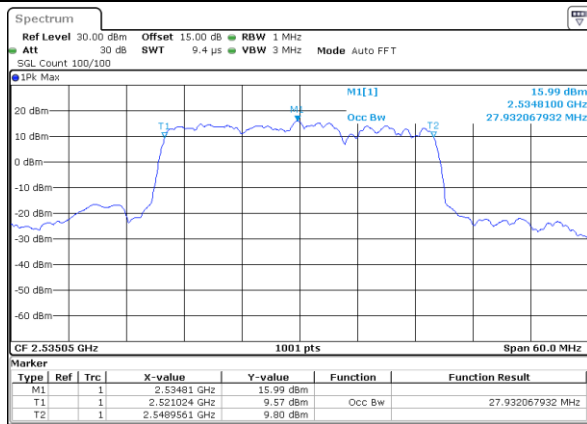
Middle Channel / 15MHz+15MHz



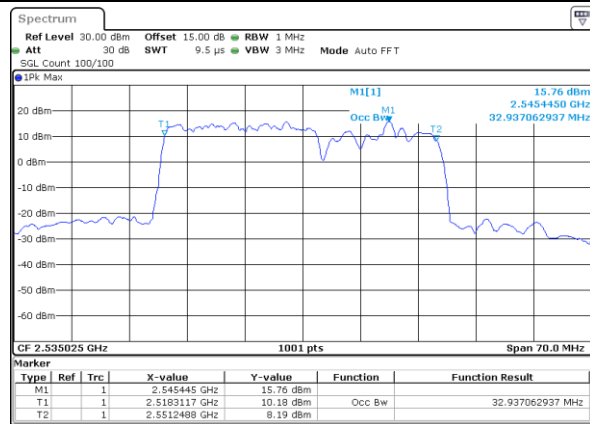
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



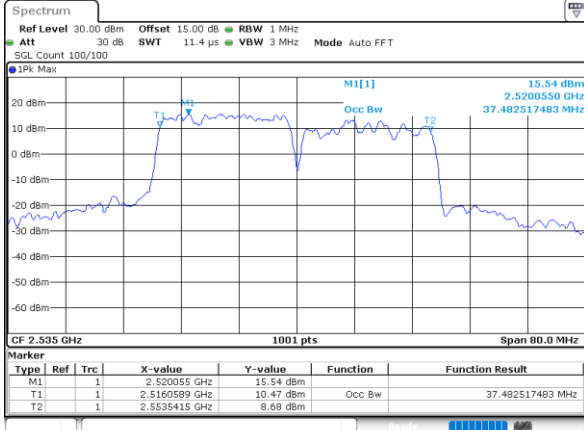


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



NA