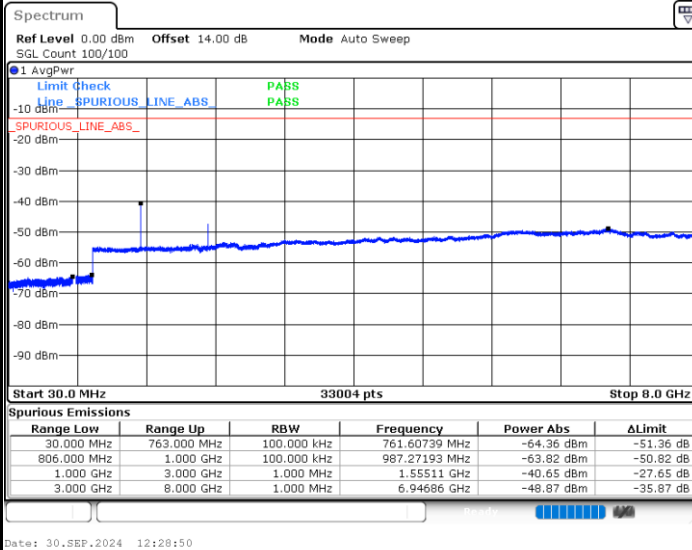




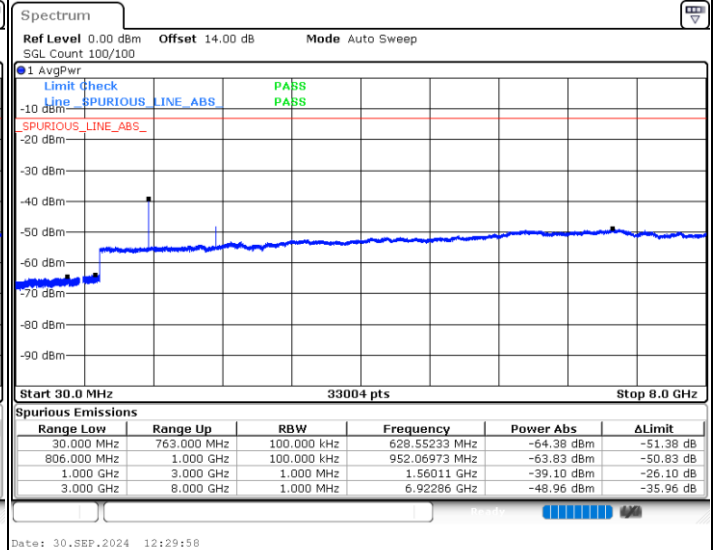
Conducted Spurious Emission

LTE Band 13 / 5MHz

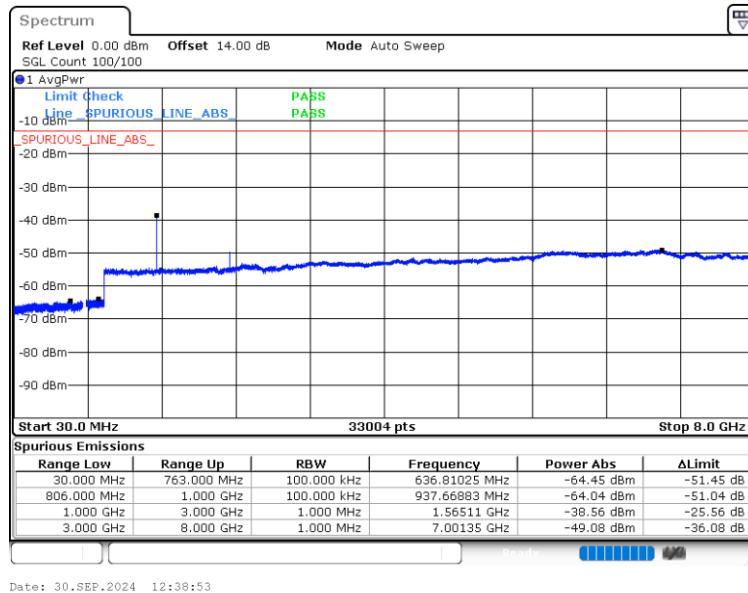
Lowest Channel / QPSK



Middle Channel / QPSK



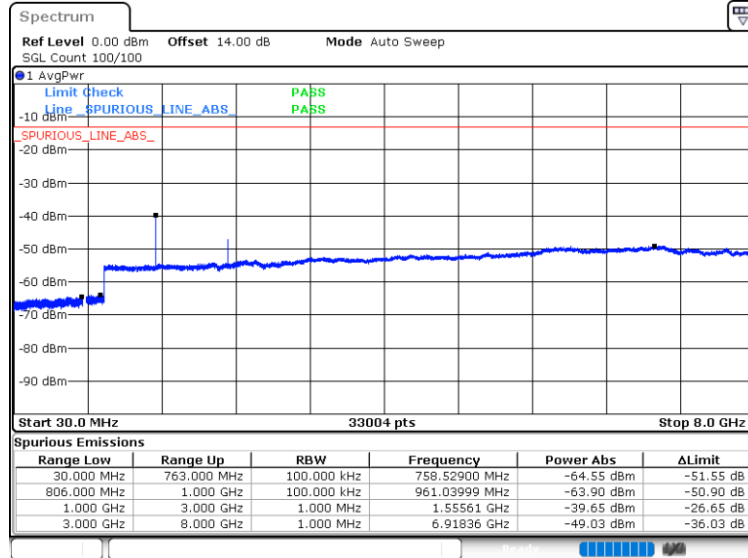
Highest Channel / QPSK





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 30.SEP.2024 12:49:34

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage = 3.92 V. ; Minimum Voltage = 3.5 V. ; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

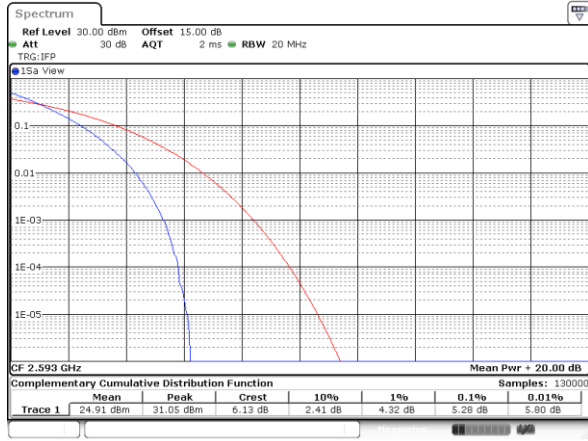
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.28	6.06	6.38	PASS



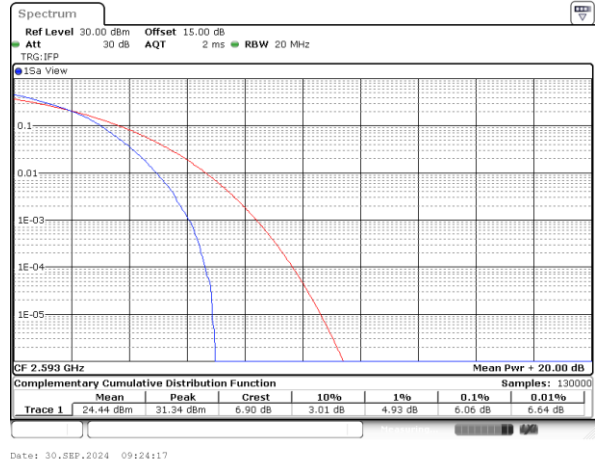
LTE Band 41 / 20MHz / QPSK

Middle Channel / Full RB



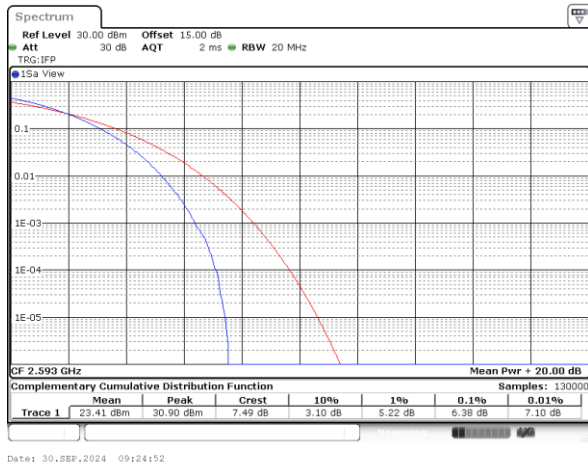
LTE Band 41 / 20MHz / 16QAM

Middle Channel / Full RB



LTE Band 41 / 20MHz / 64QAM

Middle Channel / Full RB





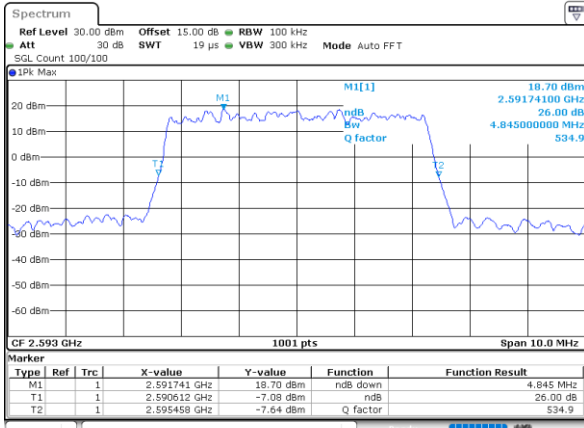
26dB Bandwidth

Mode	LTE Band 41 : 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	-	-	-	-	4.85	4.76	9.81	9.77	14.42	14.33	18.70	19.06



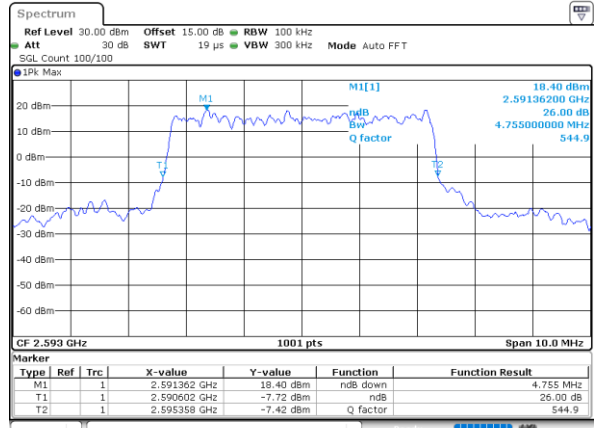
LTE Band 41

Middle Channel / 5MHz / QPSK



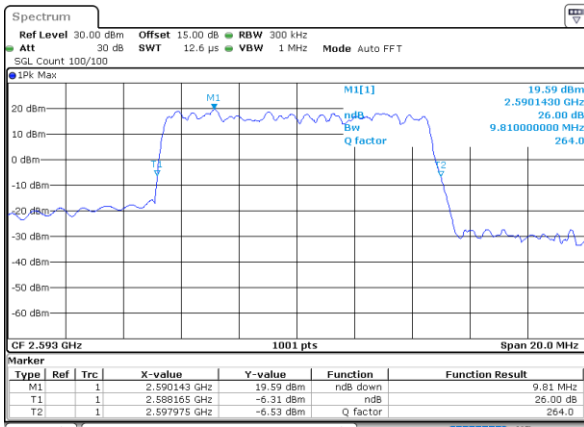
Date: 29,SEP,2024 22:39:27

Middle Channel / 5MHz / 16QAM



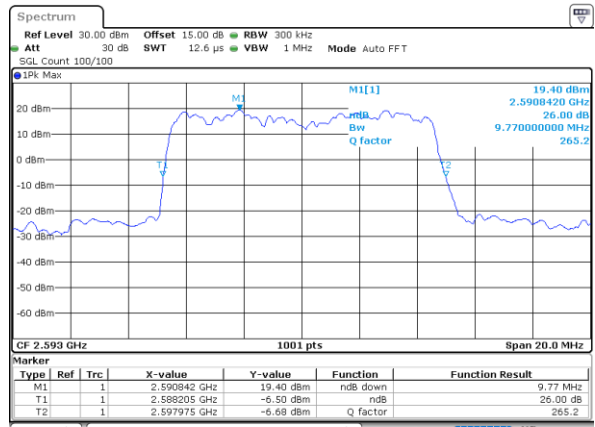
Date: 29,SEP,2024 22:40:15

Middle Channel / 10MHz / QPSK



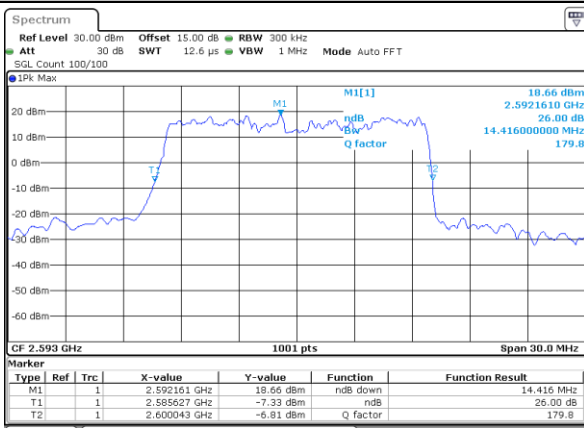
Date: 30,SEP,2024 05:57:06

Middle Channel / 10MHz / 16QAM



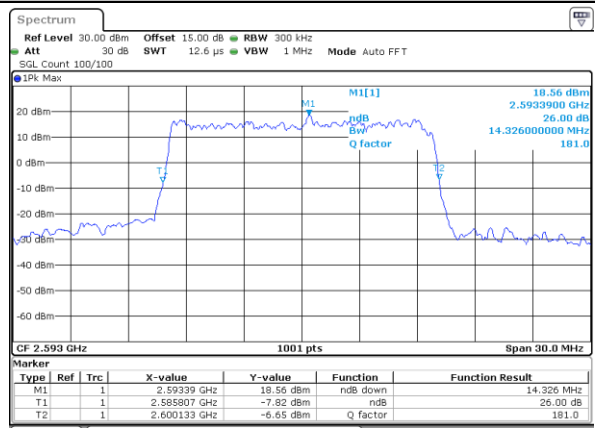
Date: 30,SEP,2024 05:59:43

Middle Channel / 15MHz / QPSK



Date: 30,SEP,2024 08:53:17

Middle Channel / 15MHz / 16QAM

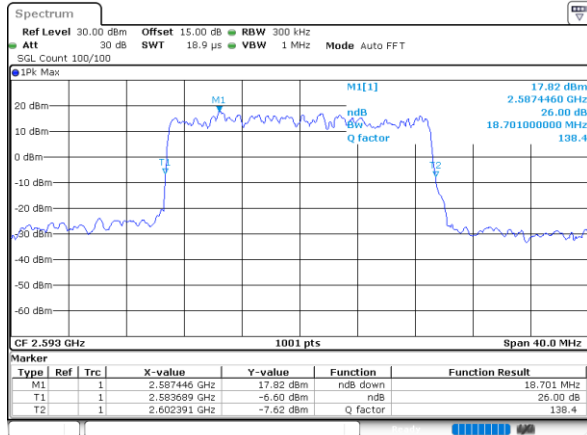


Date: 30,SEP,2024 08:54:00



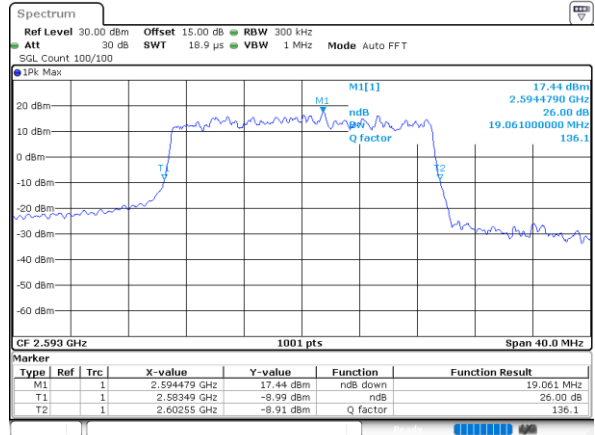
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 30,SEP,2024 09:20:30

Middle Channel / 20MHz / 16QAM



Date: 30,SEP,2024 09:23:12



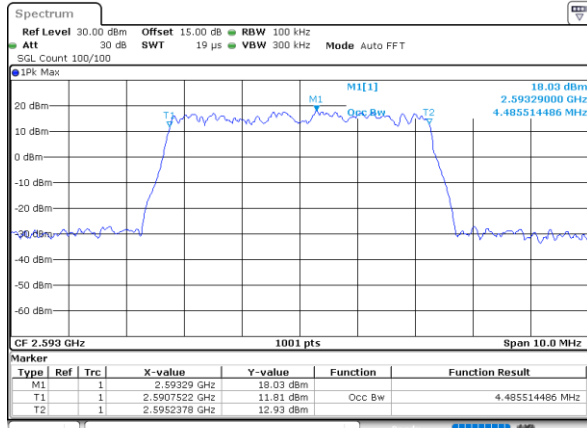
Occupied Bandwidth

Mode	LTE Band 41 : 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	4.51	8.99	8.99	13.46	13.52	17.86	17.82



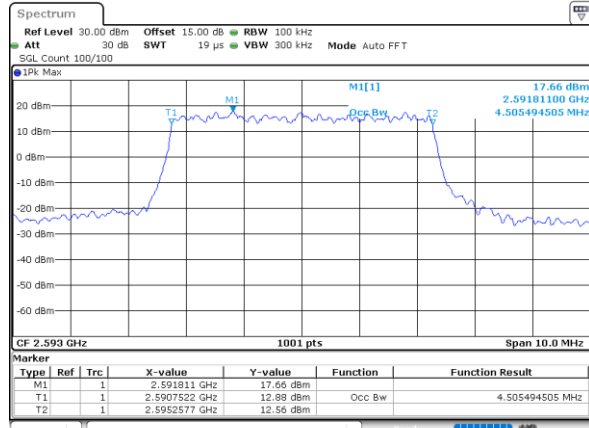
LTE Band 41

Middle Channel / 5MHz / QPSK



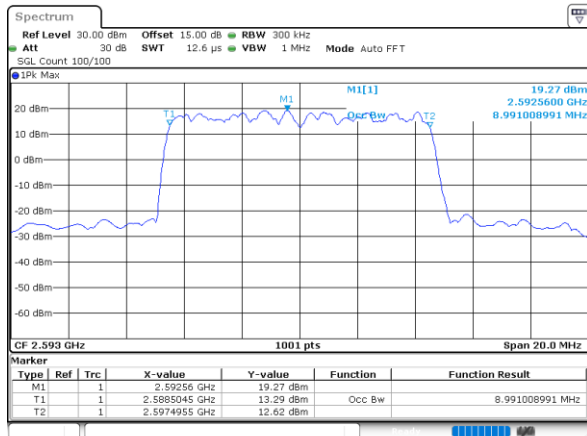
Date: 29,SEP,2024 22:37:19

Middle Channel / 5MHz / 16QAM



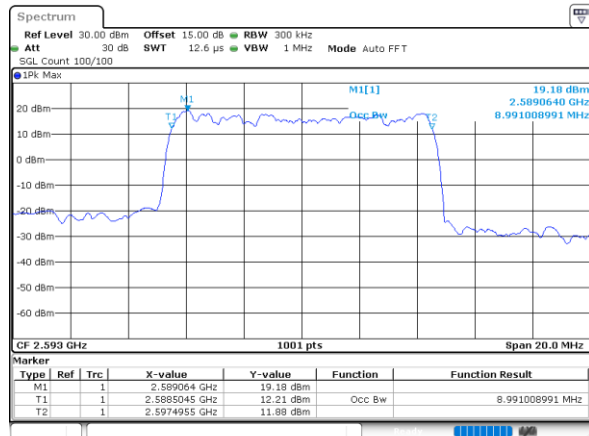
Date: 29,SEP,2024 22:40:01

Middle Channel / 10MHz / QPSK



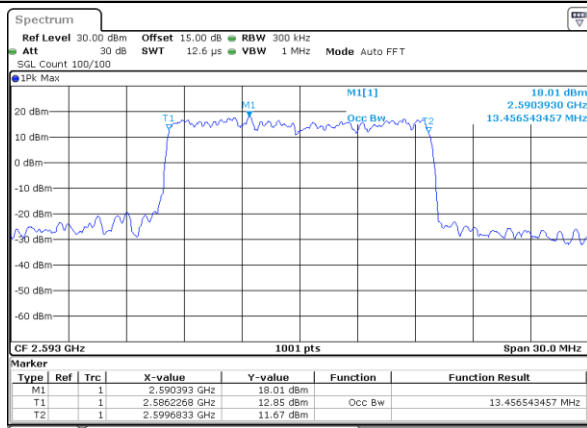
Date: 30,SEP,2024 05:54:58

Middle Channel / 10MHz / 16QAM



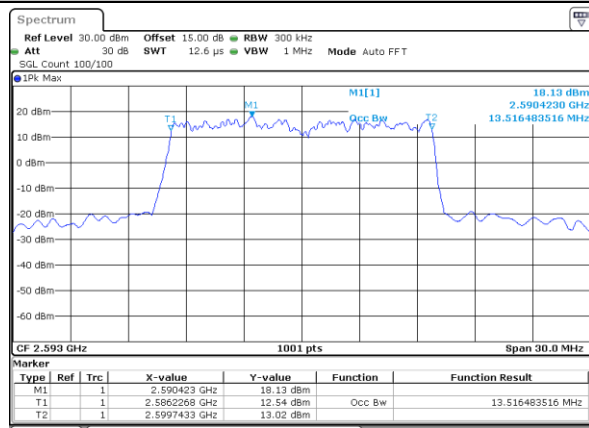
Date: 30,SEP,2024 05:57:35

Middle Channel / 15MHz / QPSK



Date: 30,SEP,2024 08:53:03

Middle Channel / 15MHz / 16QAM

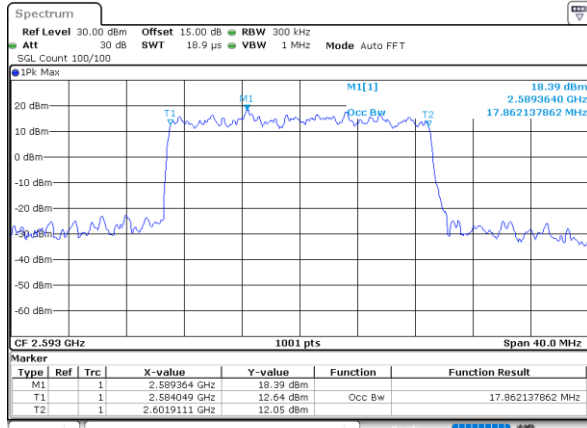


Date: 30,SEP,2024 08:53:46



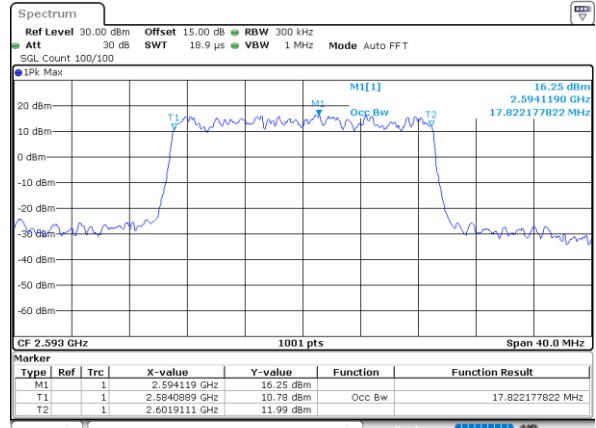
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 30,SEP,2024 09:20:16

Middle Channel / 20MHz / 16QAM



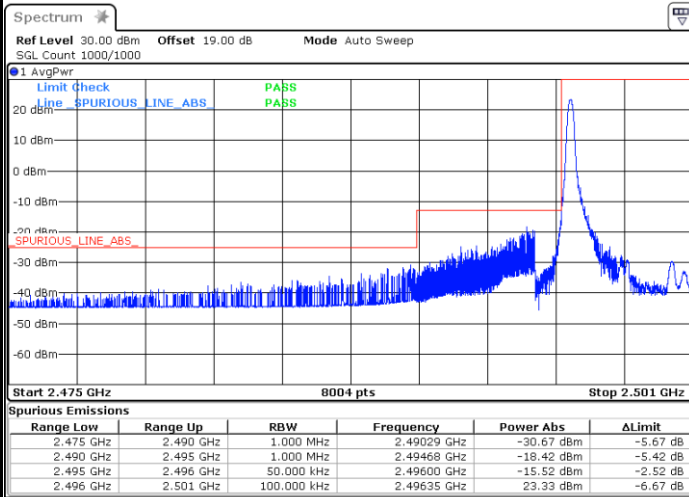
Date: 30,SEP,2024 09:57:07



Conducted Band Edge

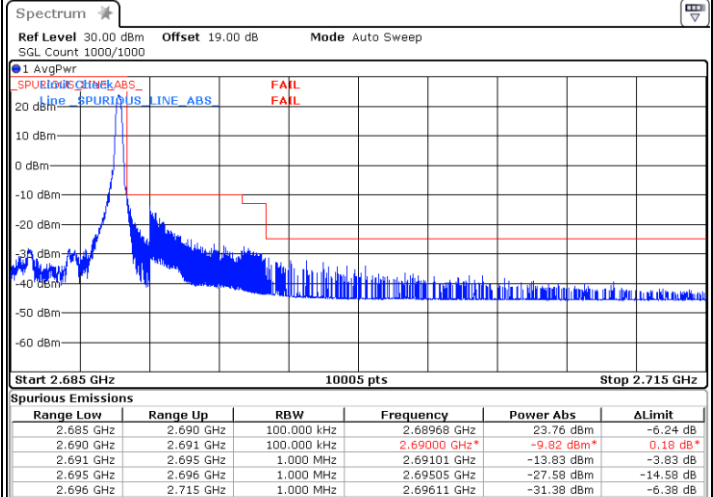
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



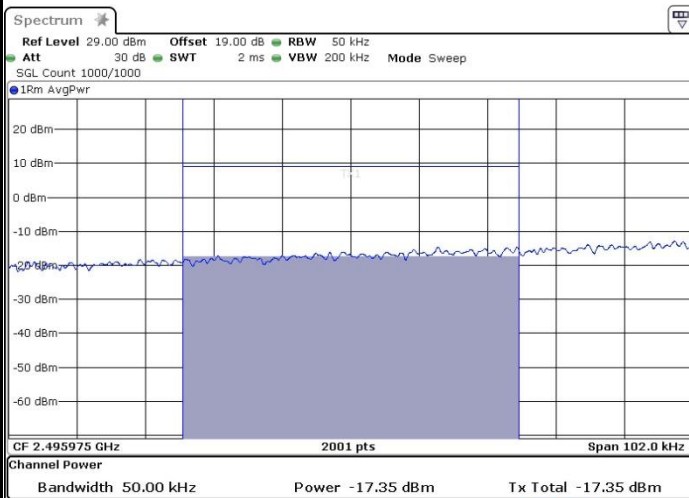
Date: 4.OCT.2024 13:48:41

Highest Band Edge / 1 RB



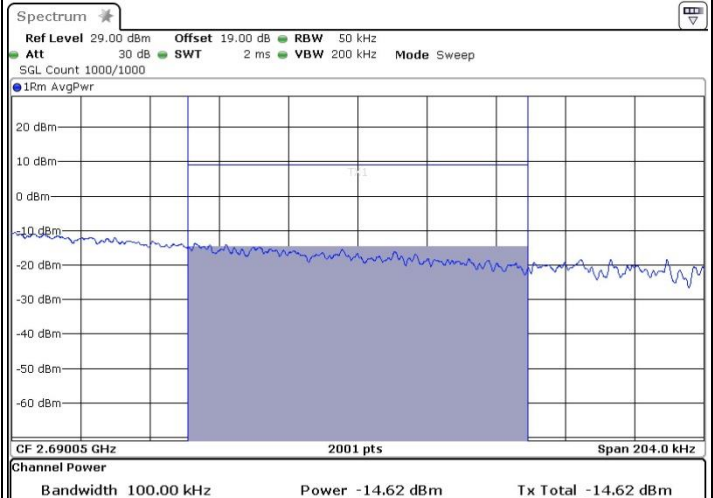
Date: 4.OCT.2024 14:00:50

Lowest Band Edge / 1 RB-CP

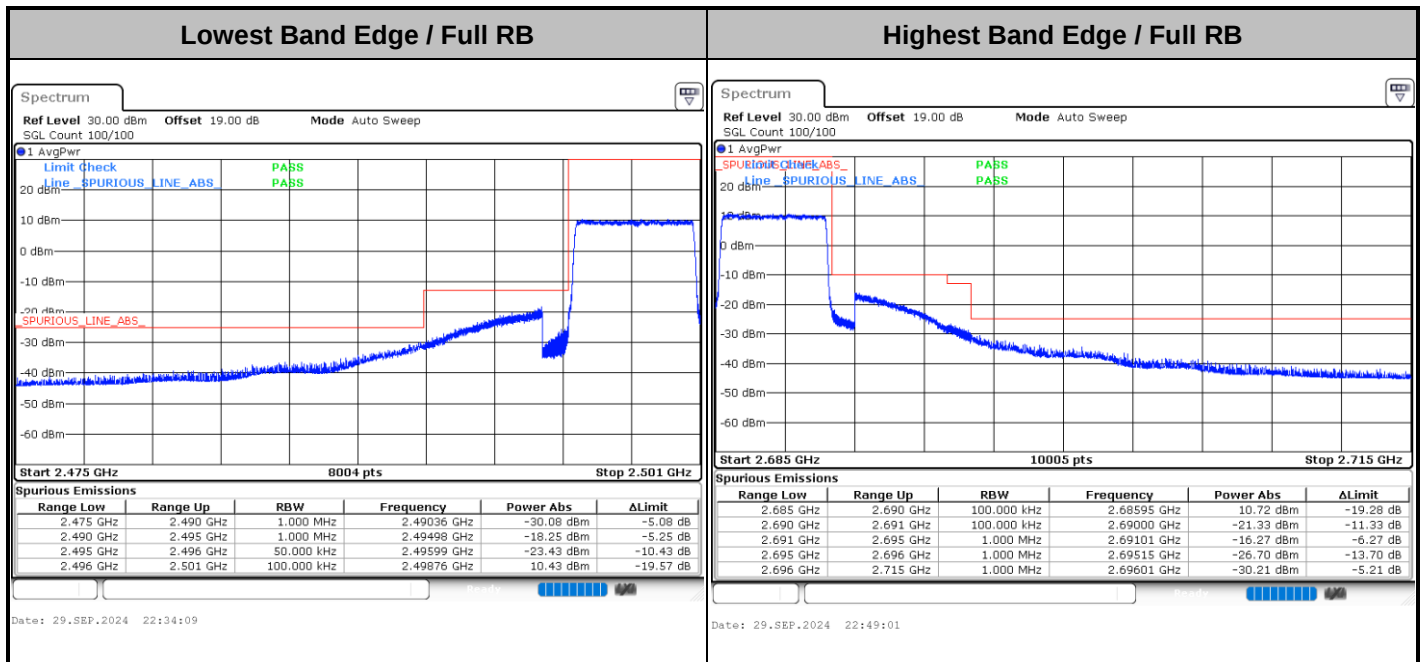


Date: 4.OCT.2024 13:55:16

Highest Band Edge / 1 RB-CP



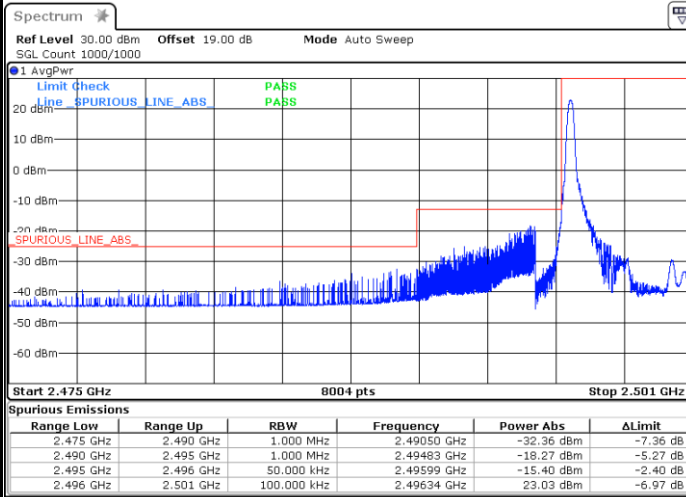
Date: 4.OCT.2024 14:02:43



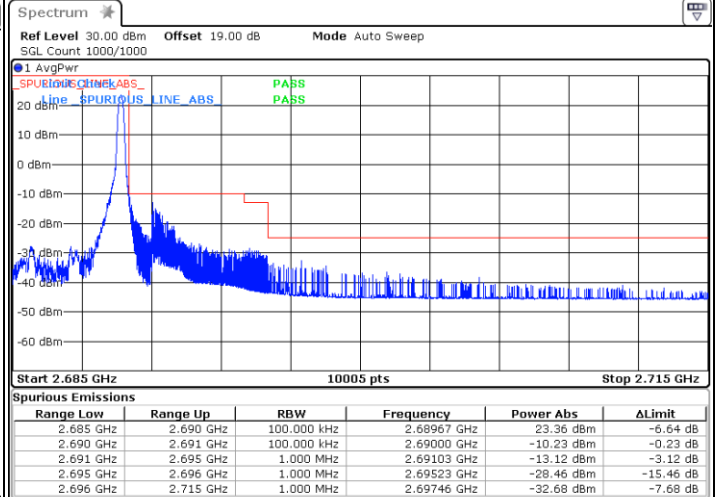


LTE Band 41 / 5MHz / 16QAM

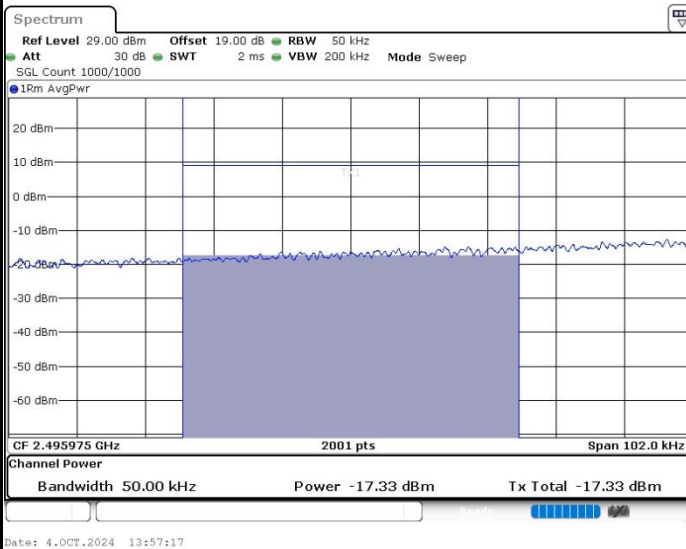
Lowest Band Edge / 1RB



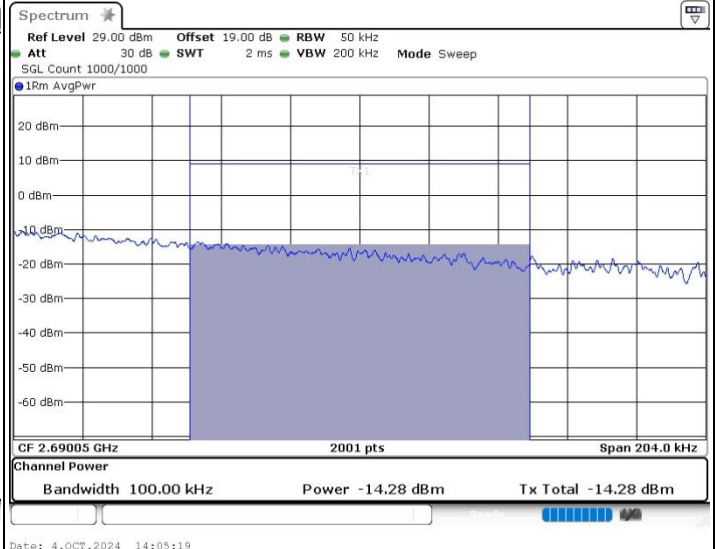
Highest Band Edge / 1 RB

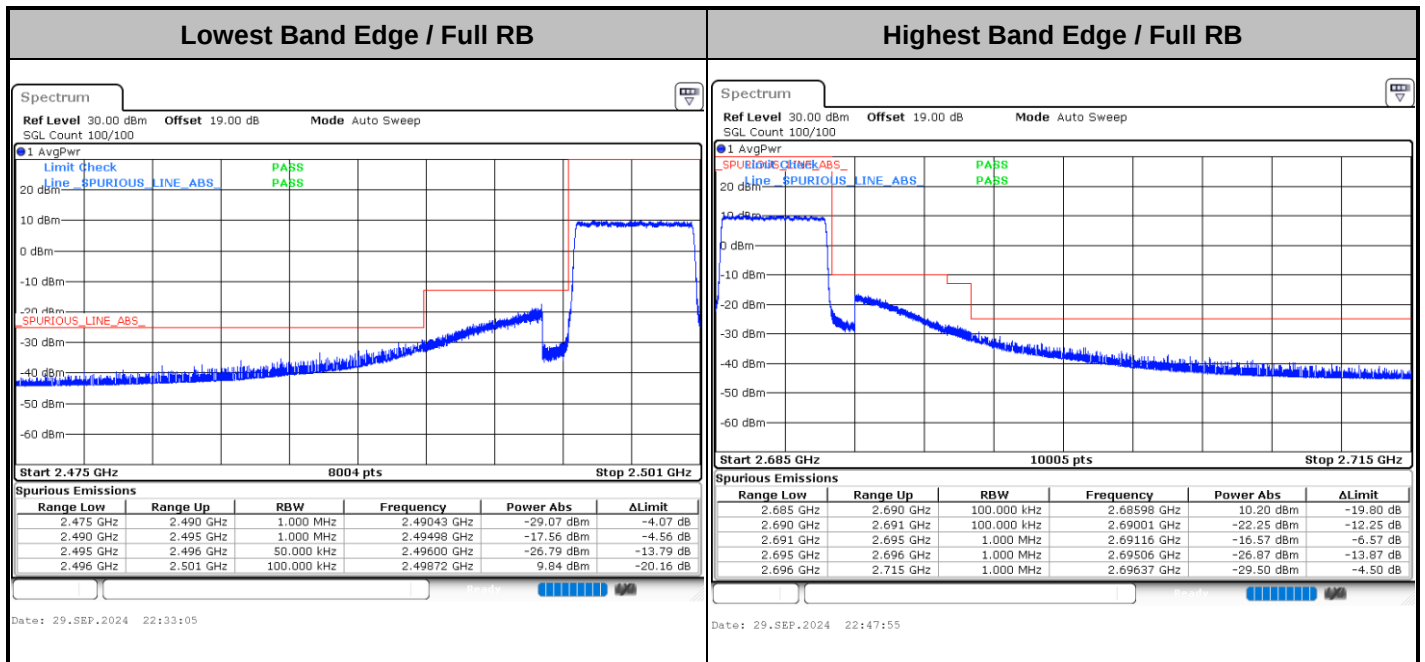


Lowest Band Edge / 1RB-CP



Highest Band Edge / 1 RB-CP

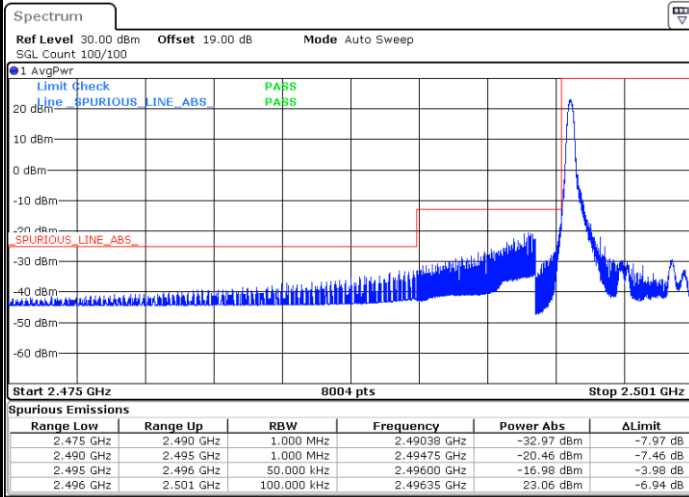






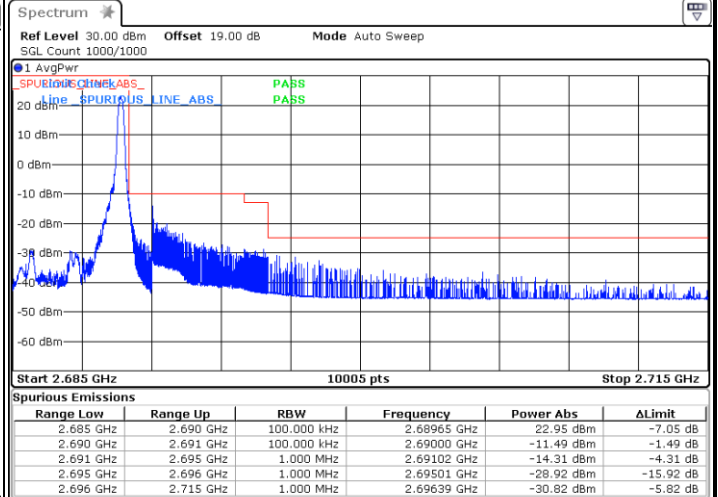
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



Date: 29.SEP.2024 22:30:48

Highest Band Edge / 1 RB

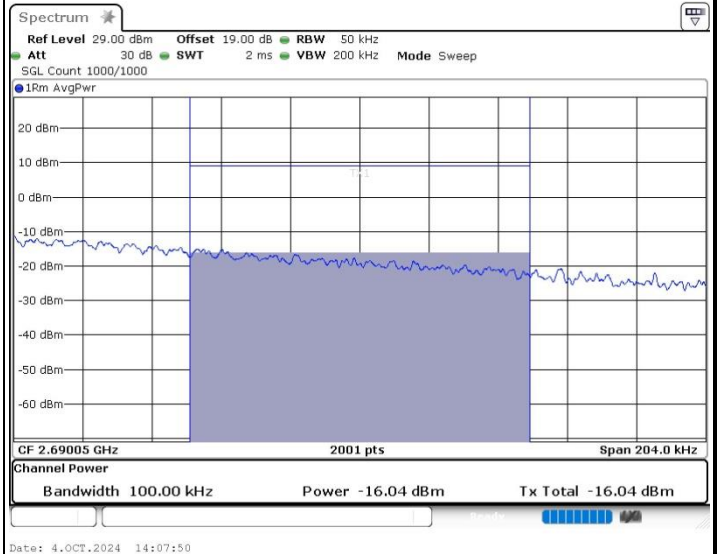


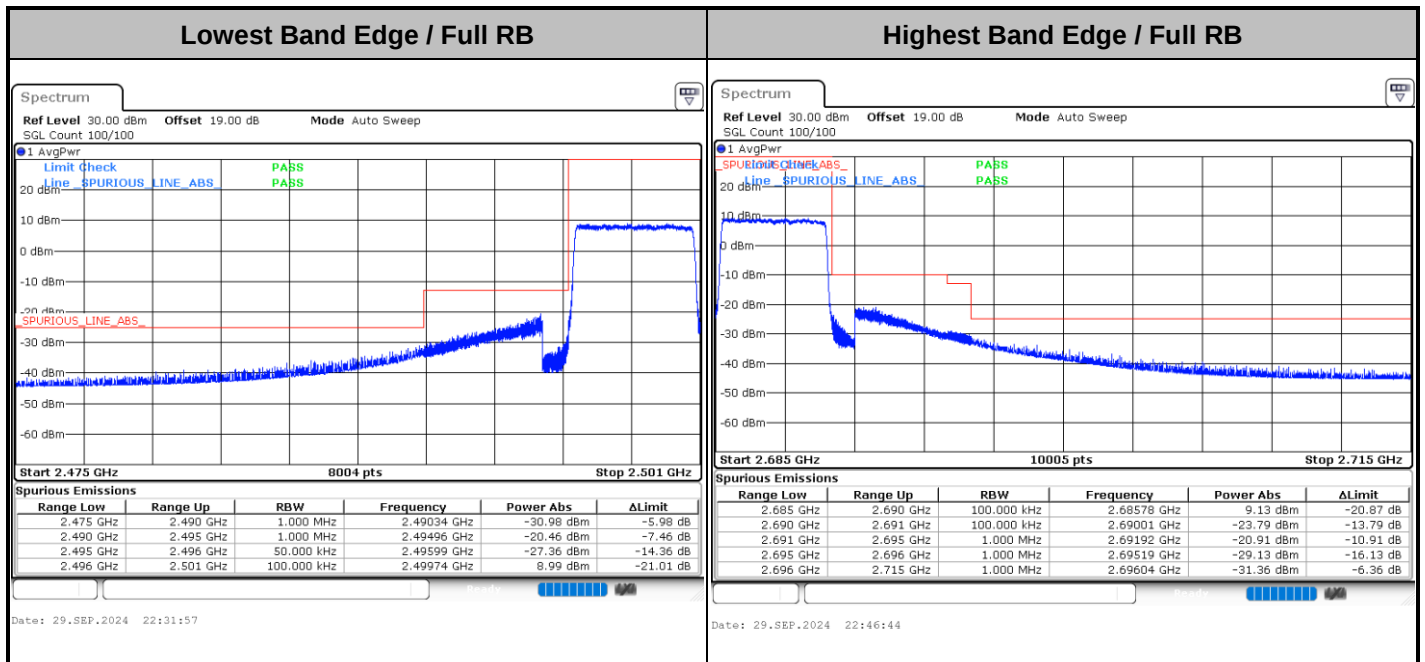
Date: 4.OCT.2024 14:06:58

Lowest Band Edge / 1RB-CP

N/A

Highest Band Edge / 1 RB-CP

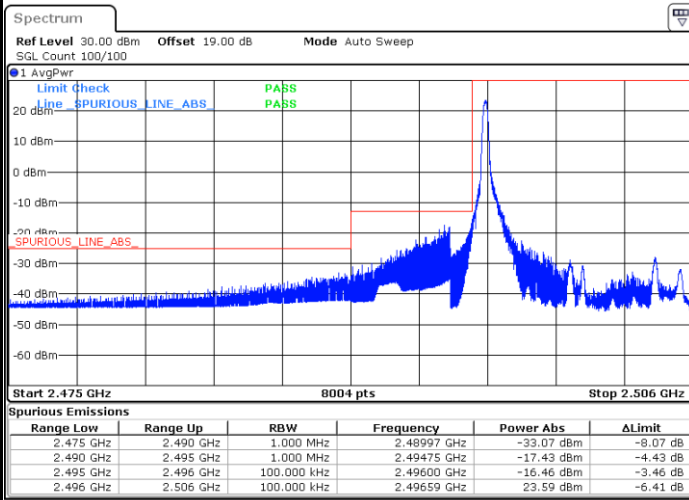




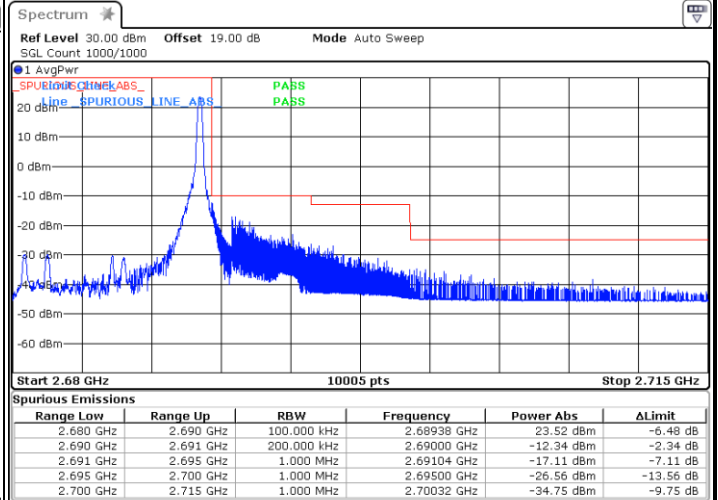


LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



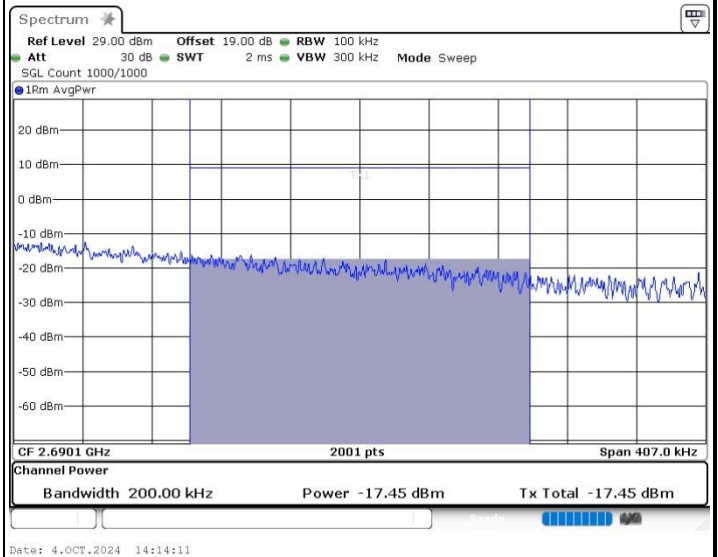
Highest Band Edge / 1 RB

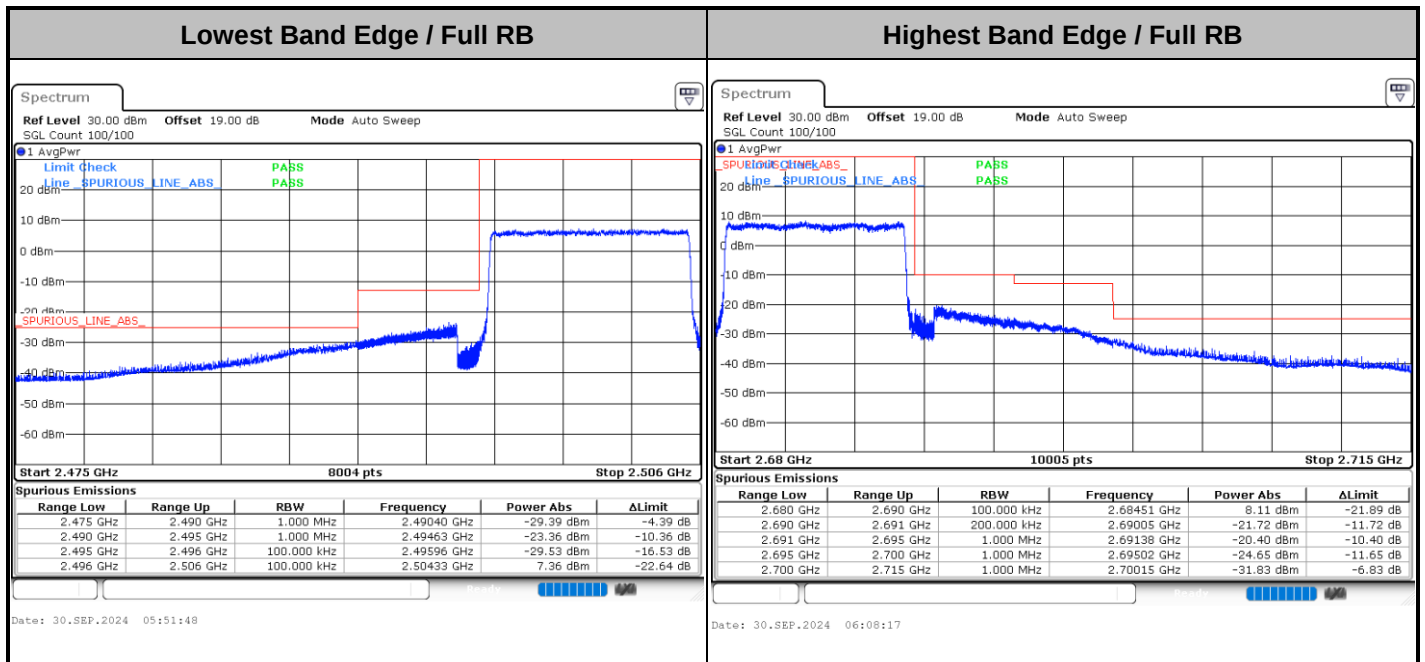


Lowest Band Edge / 1 RB-CP

N/A

Highest Band Edge / 1 RB-CP

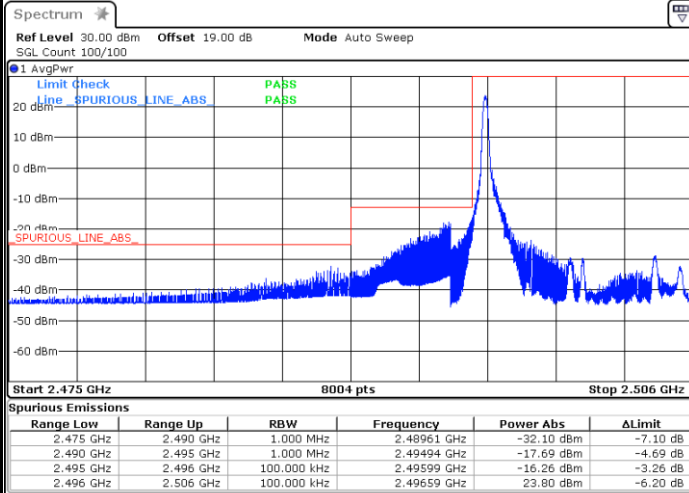






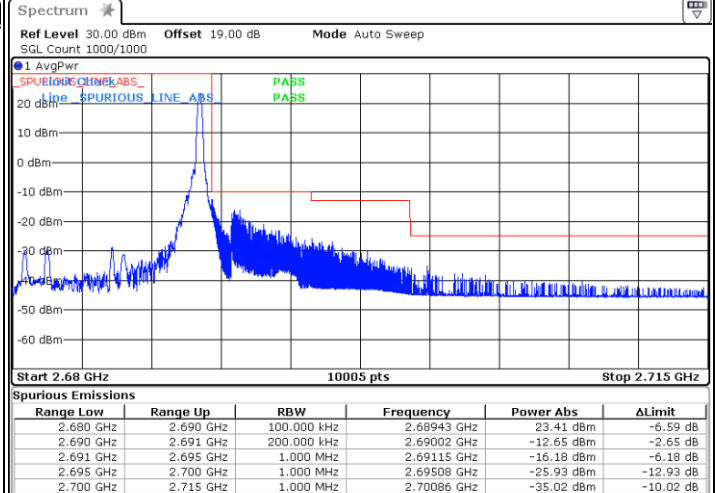
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



Date: 30.SEP.2024 10:27:23

Highest Band Edge / 1 RB

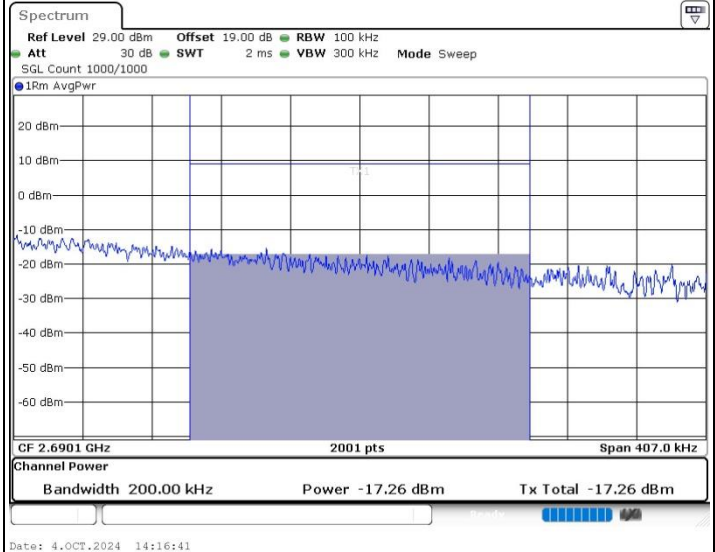


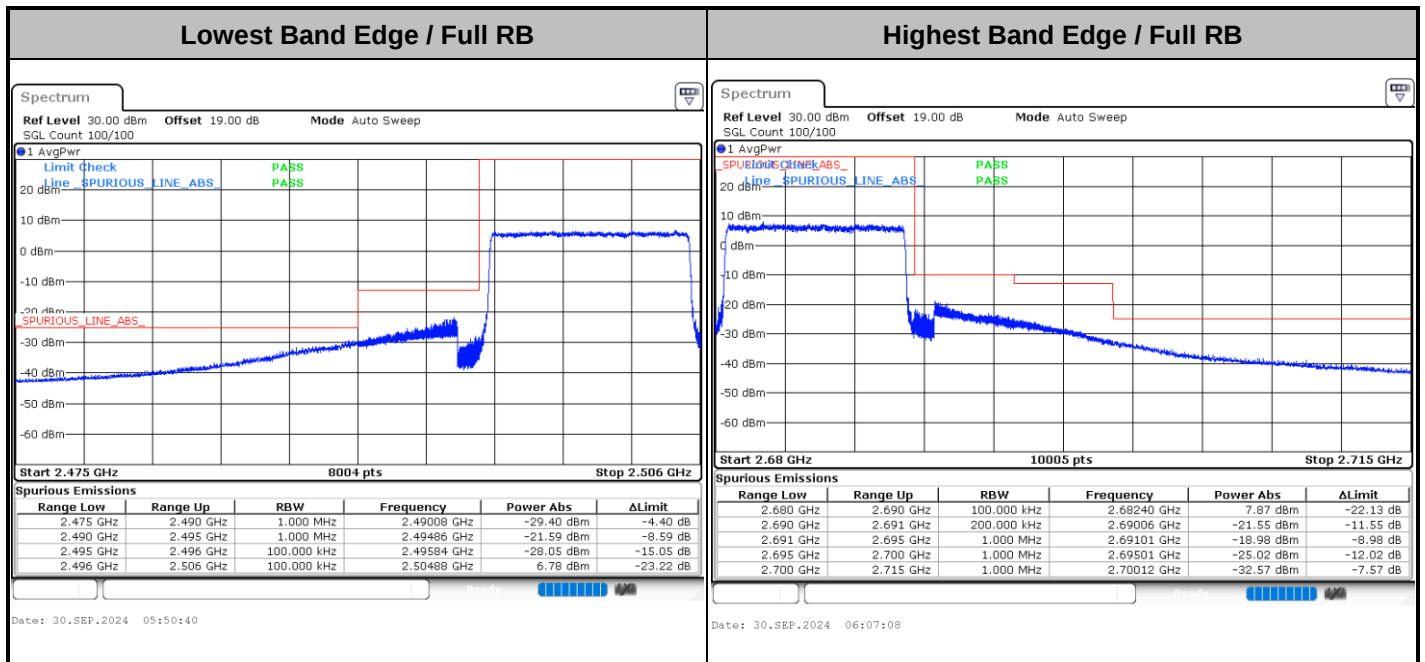
Date: 4.OCT.2024 14:16:03

Lowest Band Edge / 1RB-CP

N/A

Highest Band Edge / 1 RB-CP

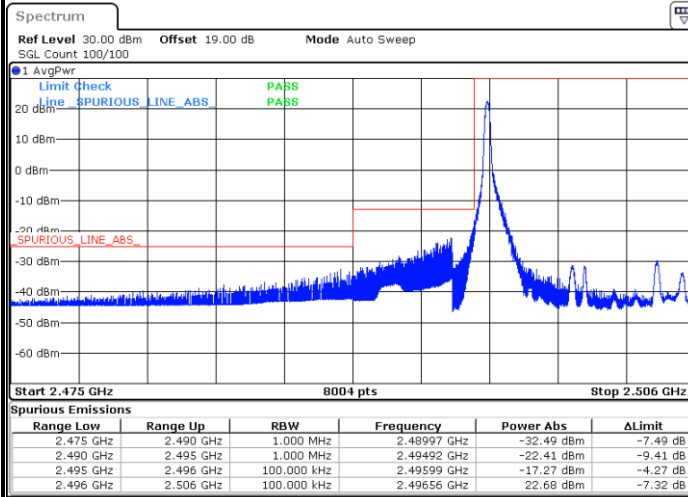




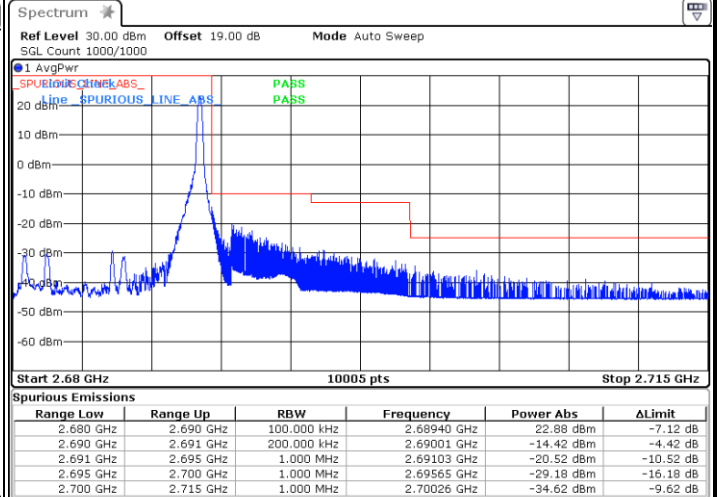


LTE Band 41 / 10MHz / 64QAM

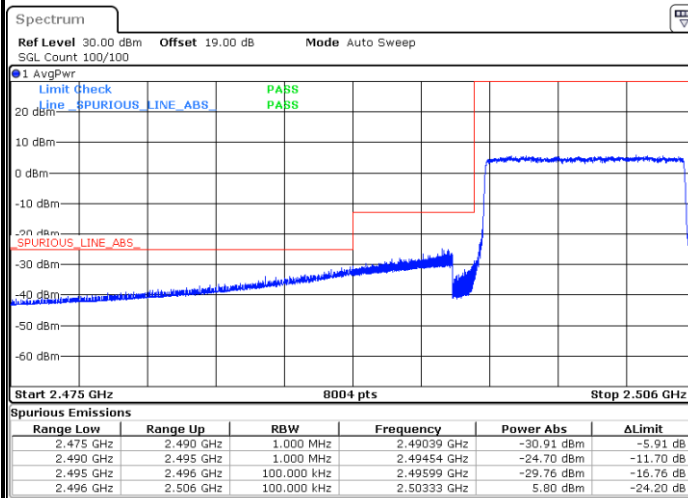
Lowest Band Edge / 1RB



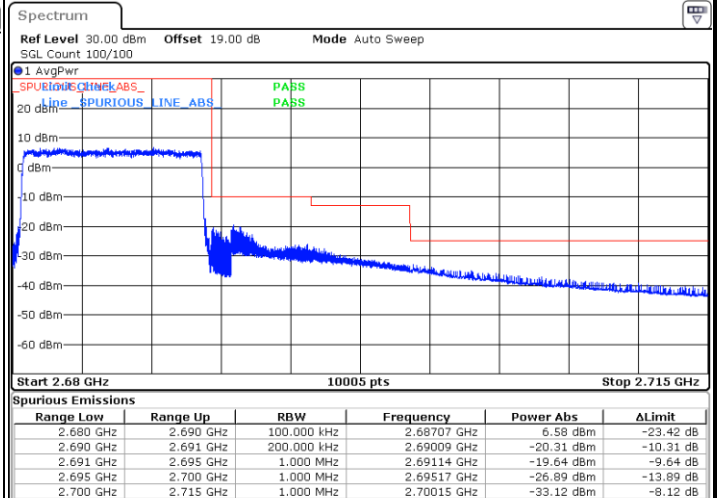
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



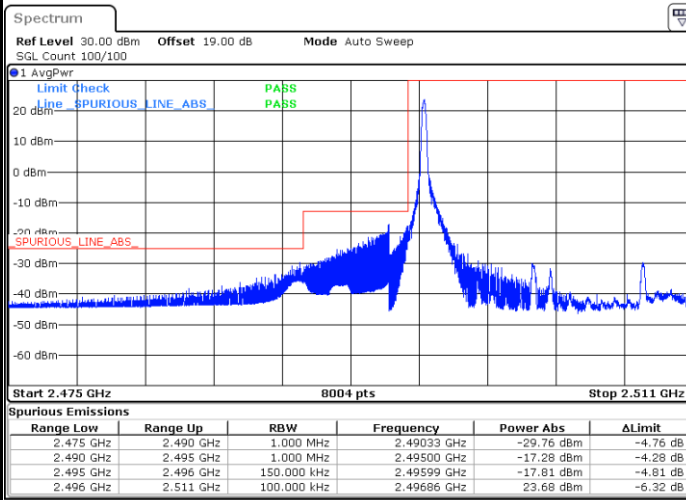
Highest Band Edge / Full RB



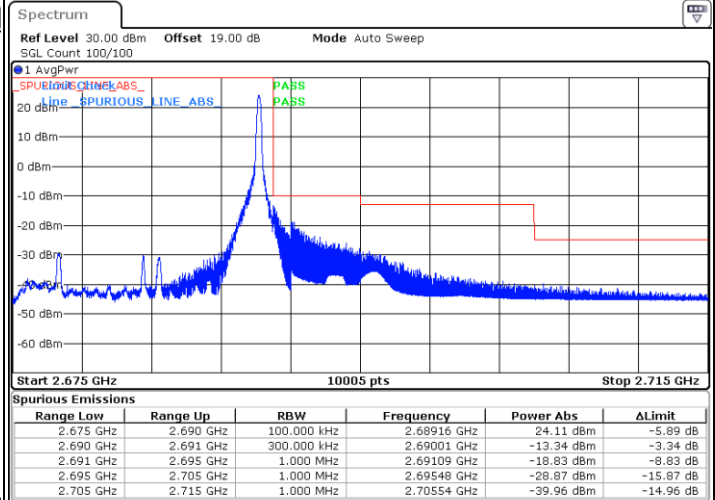


LTE Band 41 / 15MHz / QPSK

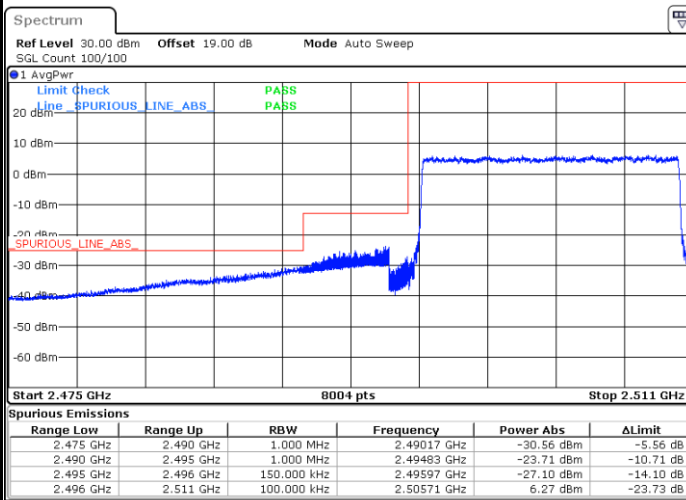
Lowest Band Edge / 1 RB



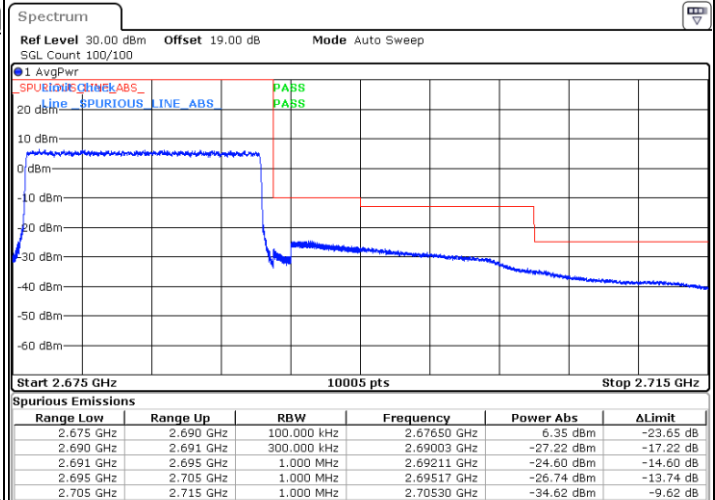
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



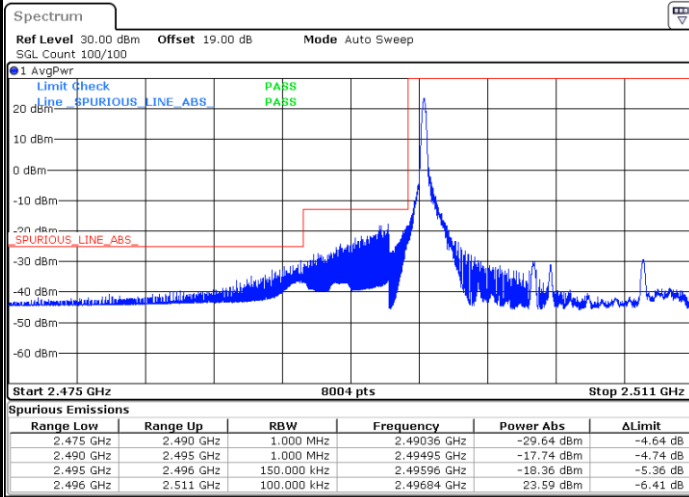
Highest Band Edge / Full RB





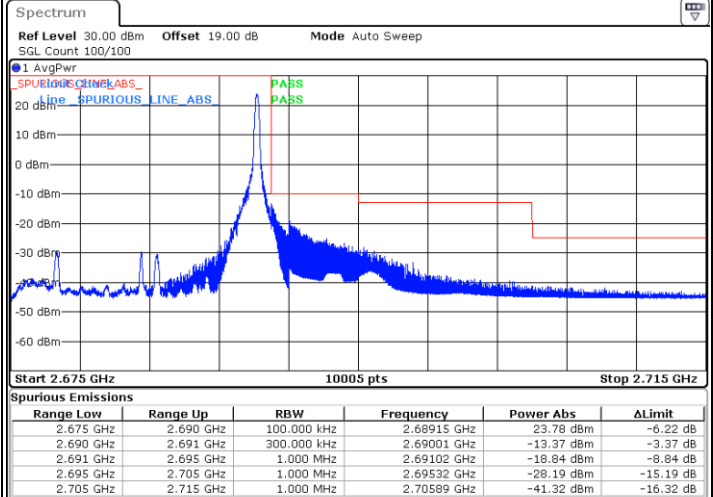
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



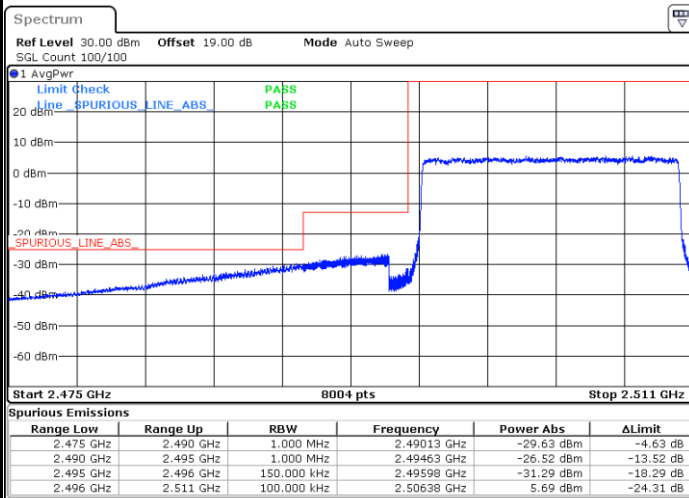
Date: 30.SEP.2024 08:46:47

Highest Band Edge / 1 RB



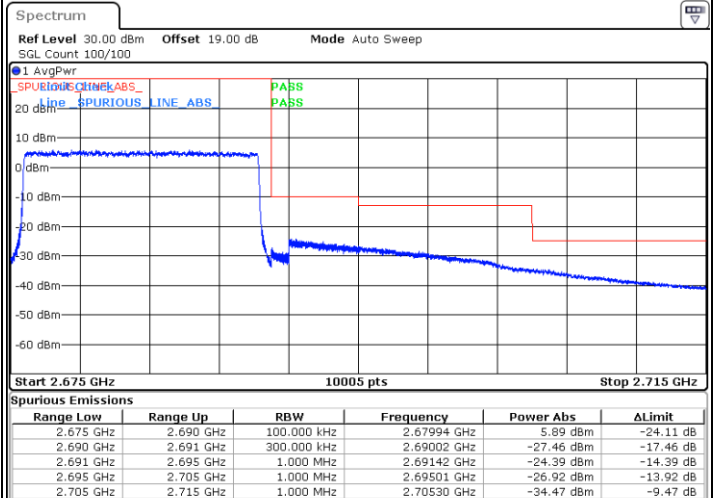
Date: 30.SEP.2024 10:11:22

Lowest Band Edge / Full RB



Date: 30.SEP.2024 10:00:52

Highest Band Edge / Full RB

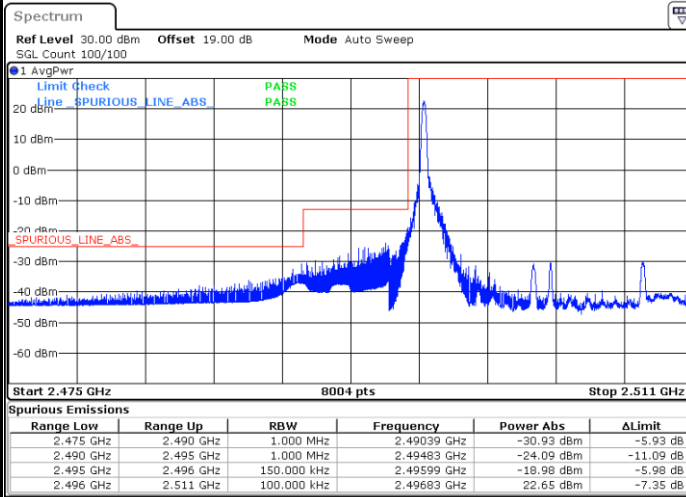


Date: 30.SEP.2024 10:21:55

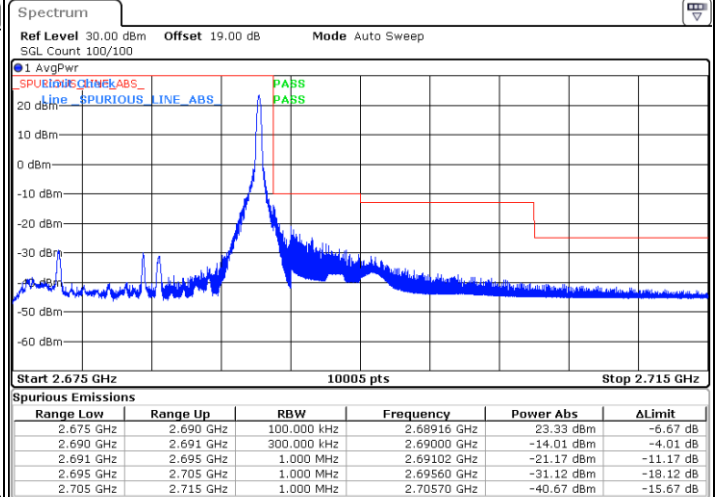


LTE Band 41 / 15MHz / 64QAM

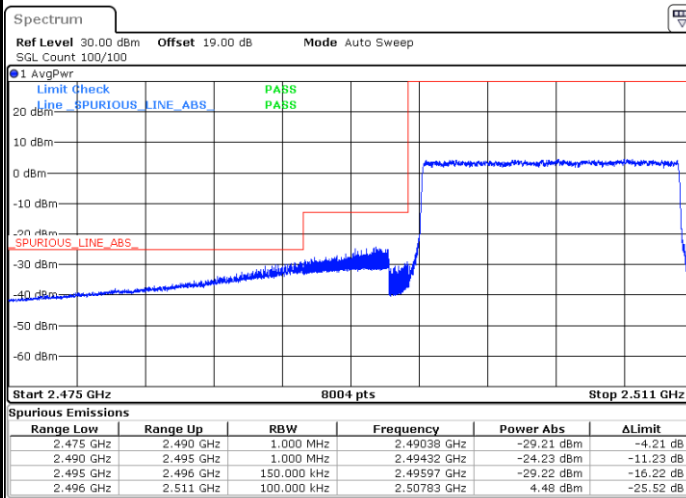
Lowest Band Edge / 1RB



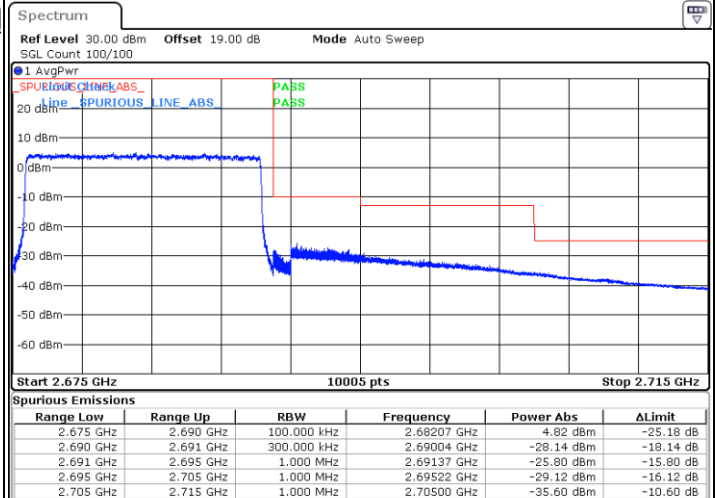
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



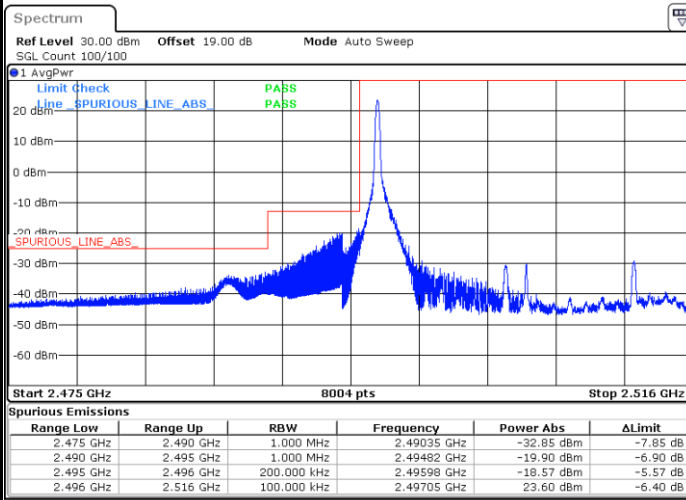
Highest Band Edge / Full RB



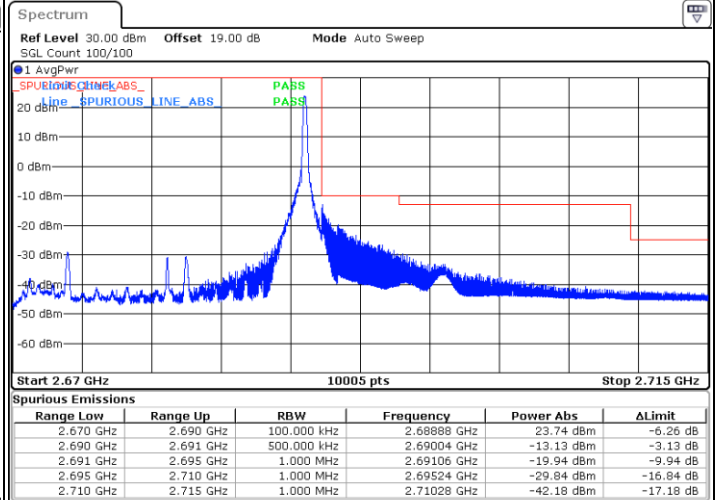


LTE Band 41 / 20MHz / QPSK

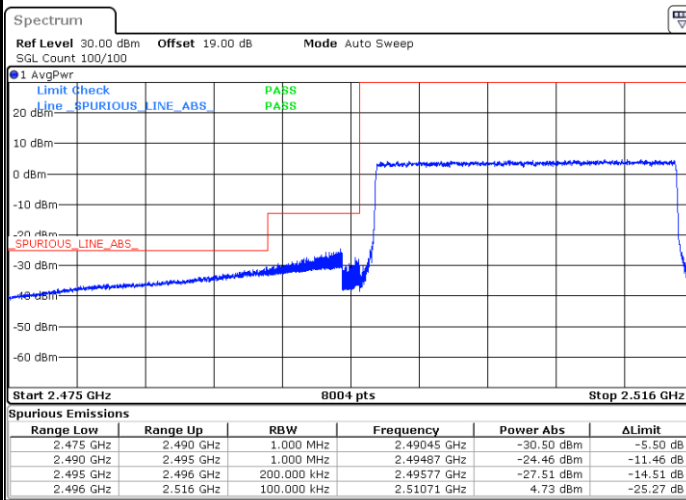
Lowest Band Edge / 1 RB



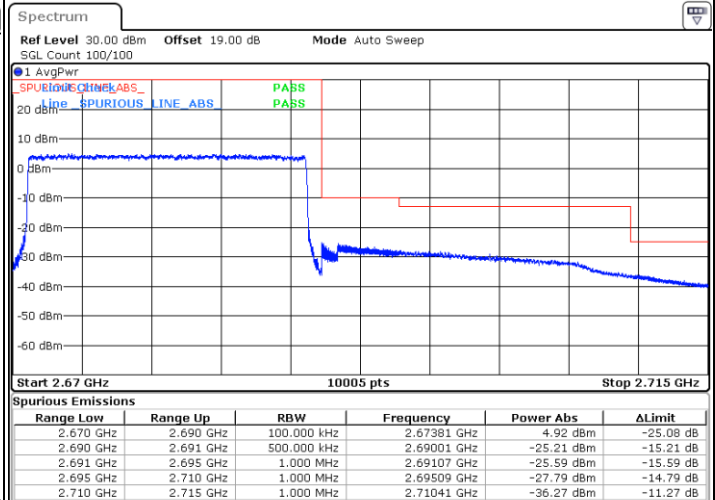
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



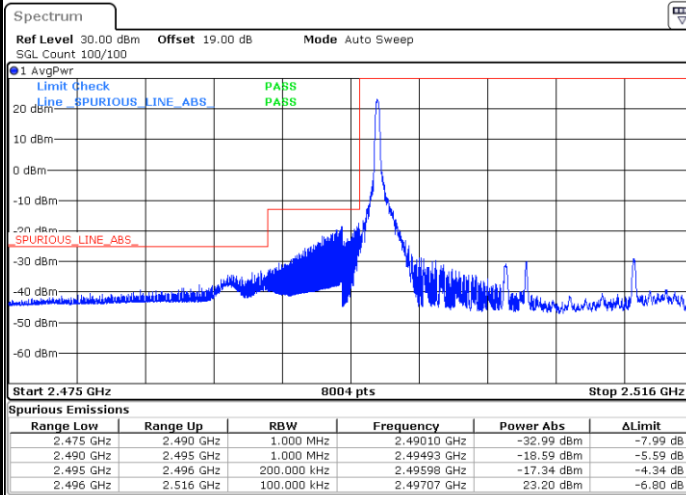
Highest Band Edge / Full RB





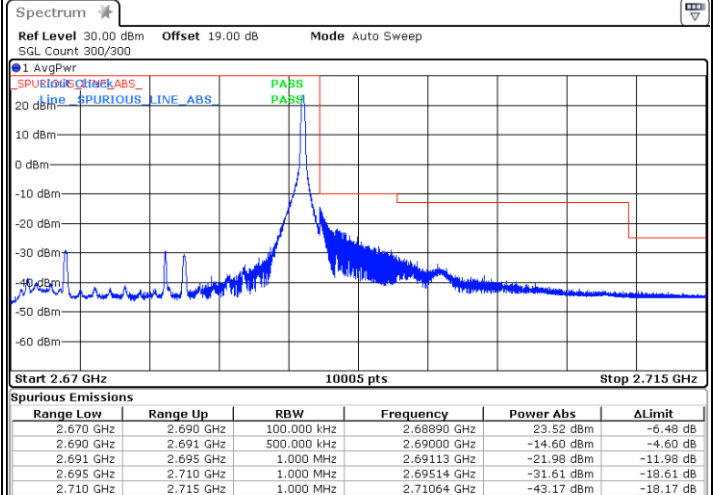
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



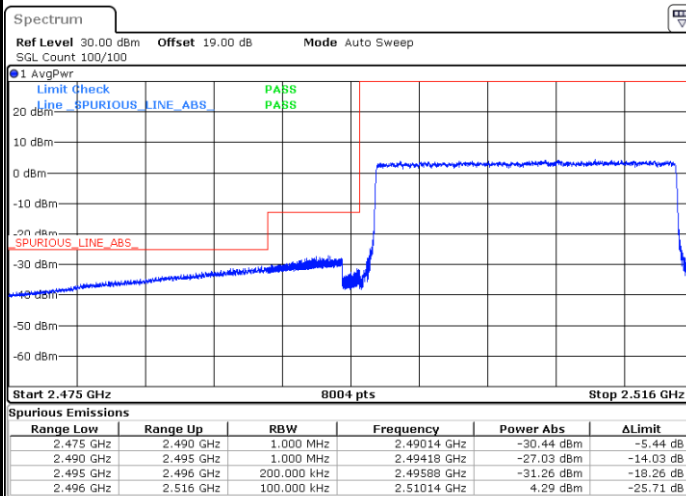
Date: 30.SEP.2024 09:38:38

Highest Band Edge / 1 RB



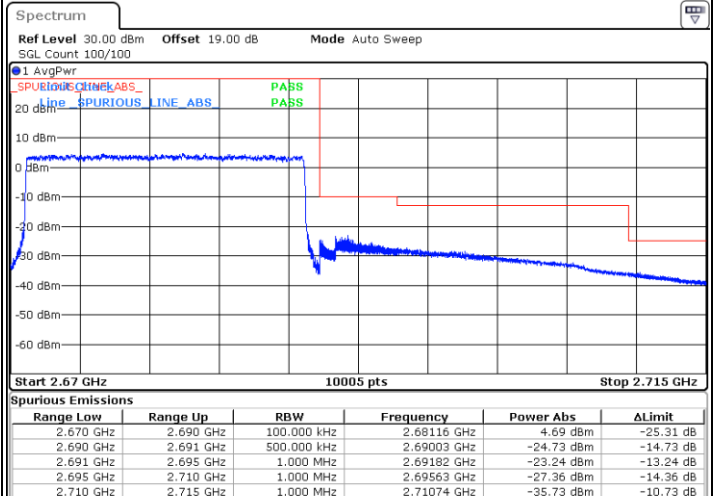
Date: 30.SEP.2024 09:52:12

Lowest Band Edge / Full RB



Date: 30.SEP.2024 09:42:33

Highest Band Edge / Full RB

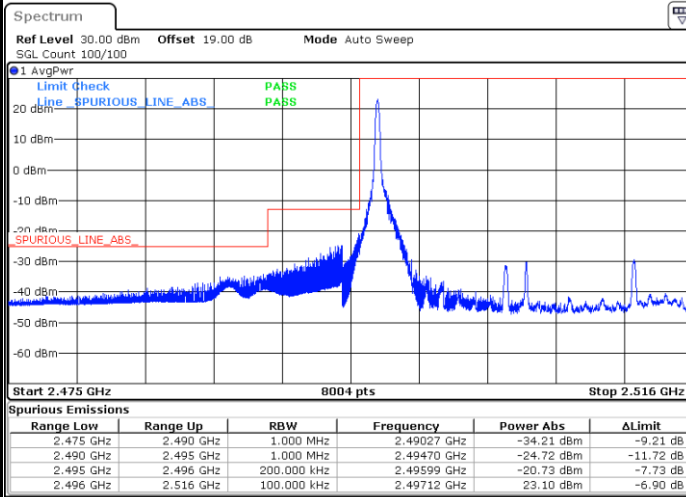


Date: 30.SEP.2024 09:47:19



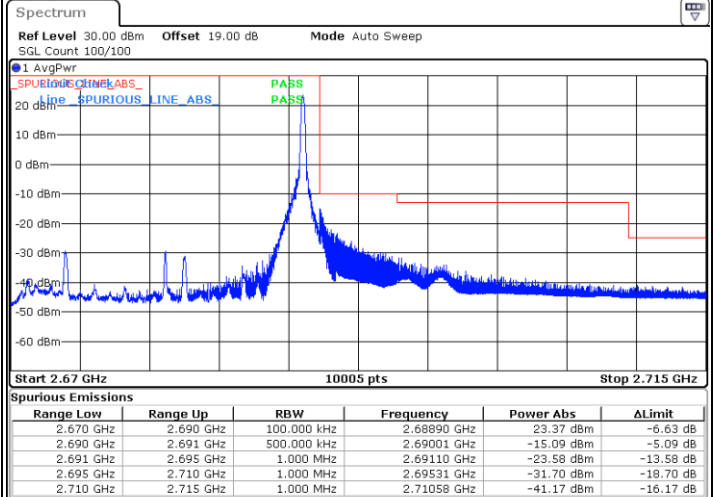
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



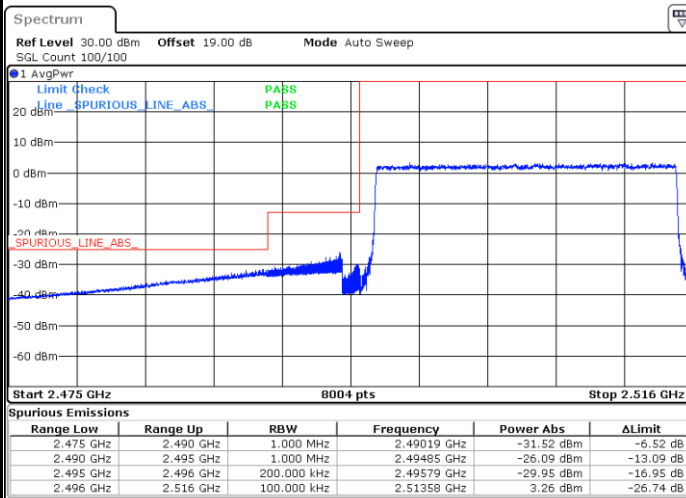
Date: 30.SEP.2024 09:39:52

Highest Band Edge / 1 RB



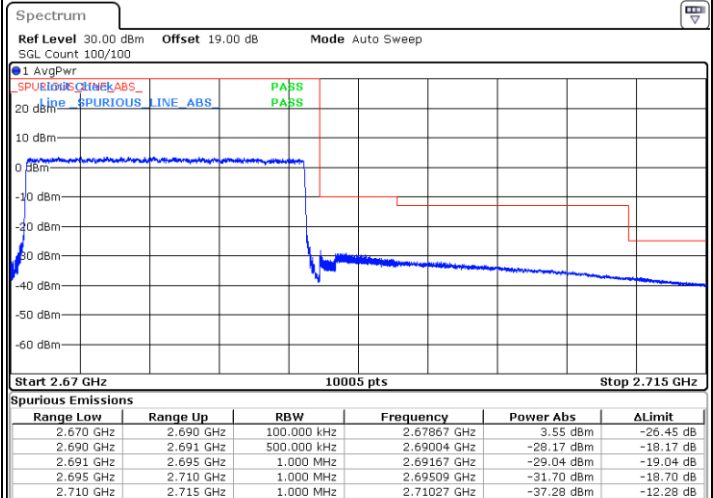
Date: 30.SEP.2024 09:49:42

Lowest Band Edge / Full RB



Date: 30.SEP.2024 09:43:26

Highest Band Edge / Full RB



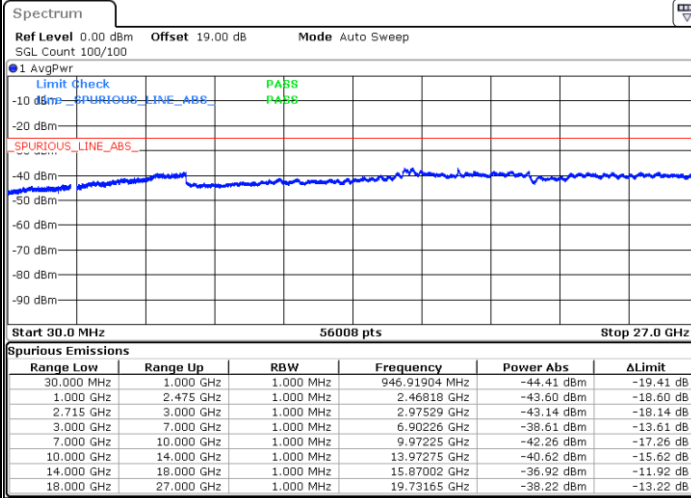
Date: 30.SEP.2024 09:44:25



Conducted Spurious Emission

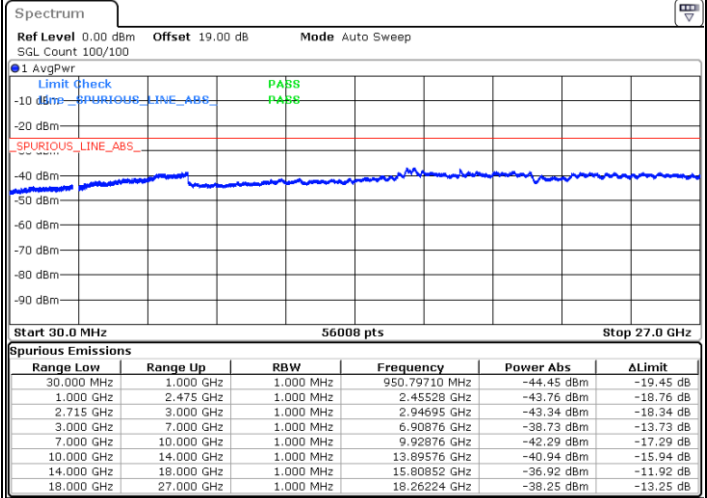
LTE Band 41 / 5MHz

Lowest Channel / QPSK



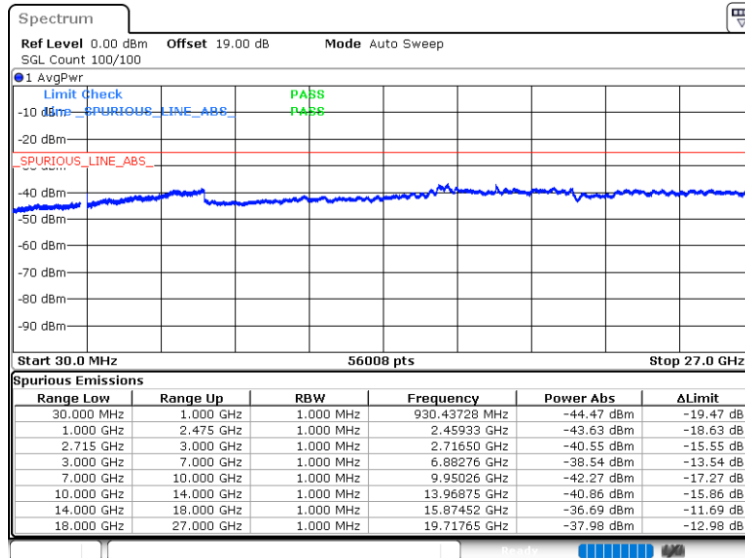
Date: 29.SEP.2024 22:35:32

Middle Channel / QPSK



Date: 29.SEP.2024 22:36:49

Highest Channel / QPSK

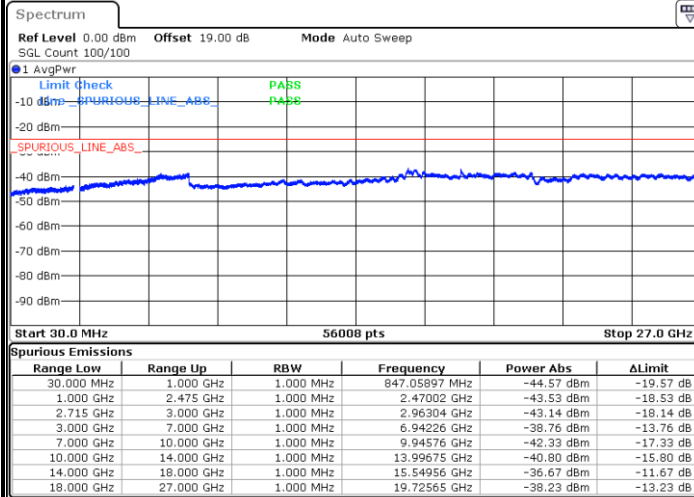


Date: 29.SEP.2024 22:50:24



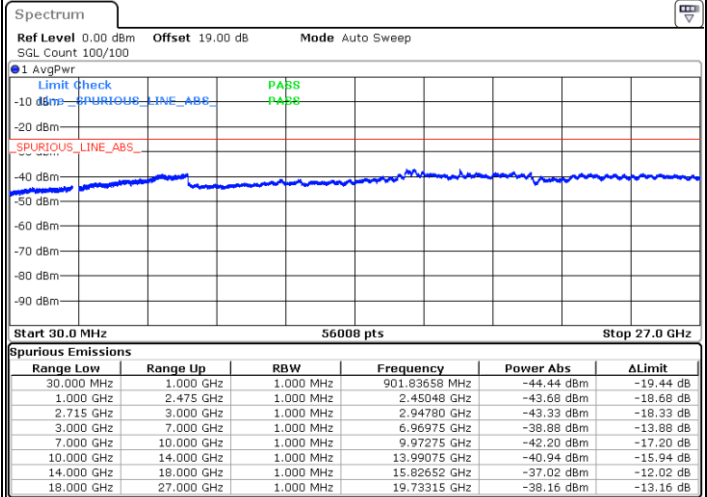
LTE Band 41 / 10MHz

Lowest Channel / QPSK



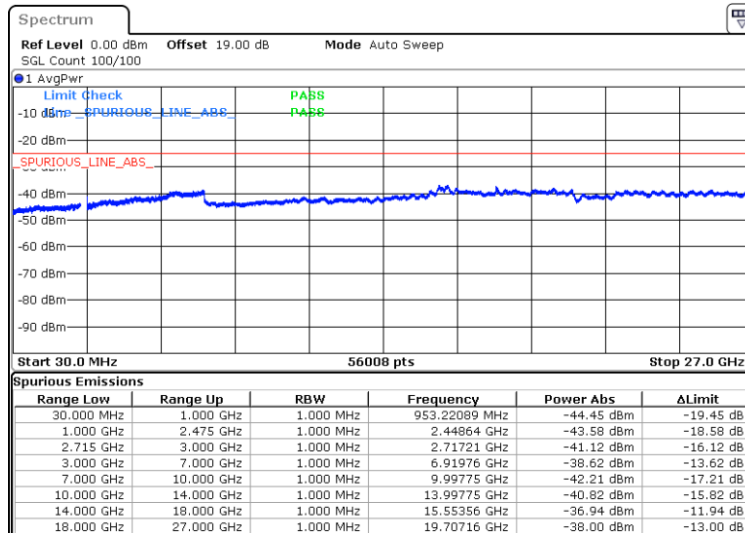
Date: 30.SEP.2024 05:53:11

Middle Channel / QPSK



Date: 30.SEP.2024 05:54:28

Highest Channel / QPSK

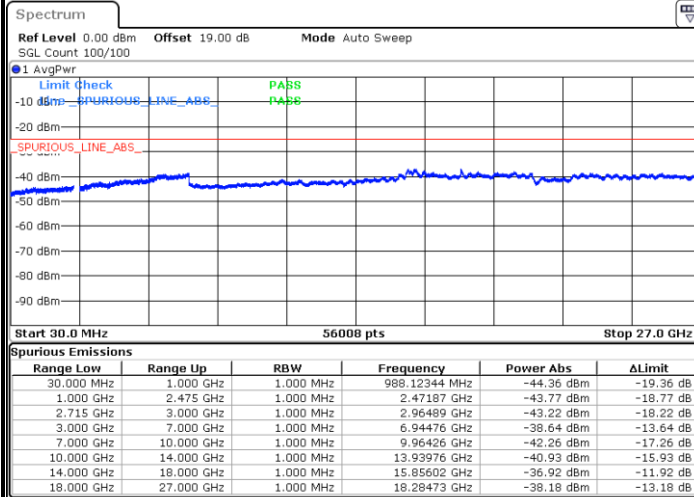


Date: 30.SEP.2024 06:09:39



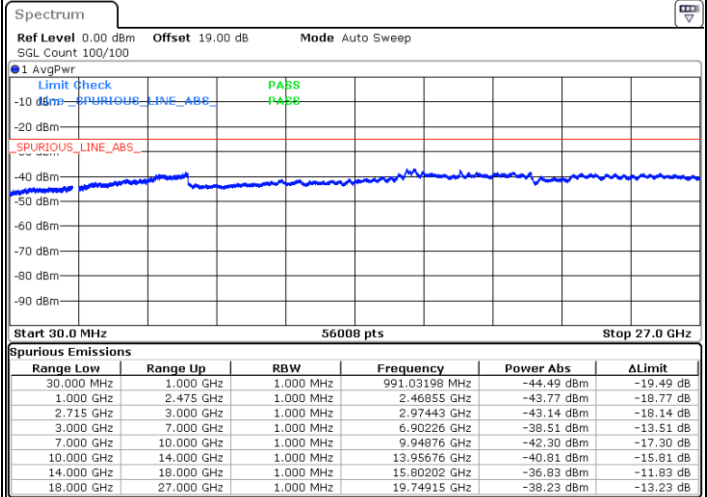
LTE Band 41 / 15MHz

Lowest Channel / QPSK



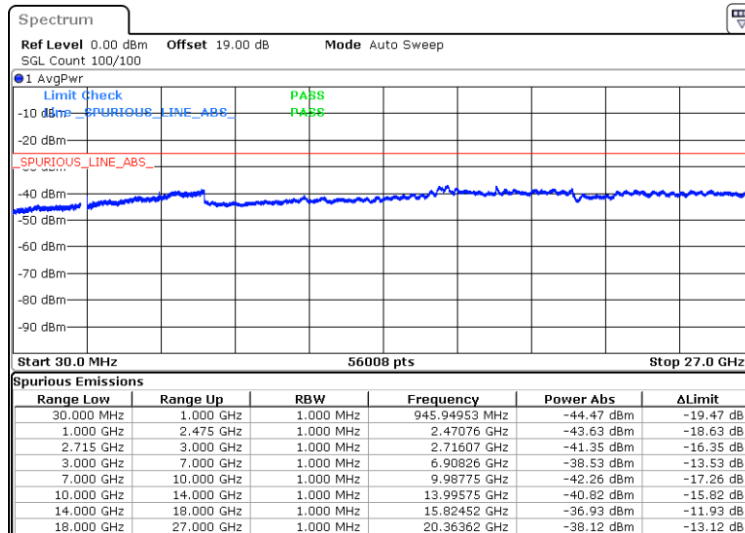
Date: 30.SEP.2024 08:51:26

Middle Channel / QPSK



Date: 30.SEP.2024 08:52:34

Highest Channel / QPSK

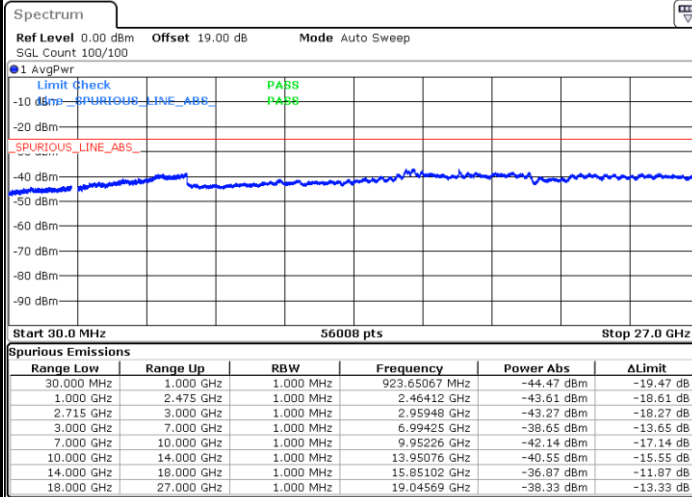


Date: 30.SEP.2024 10:24:08



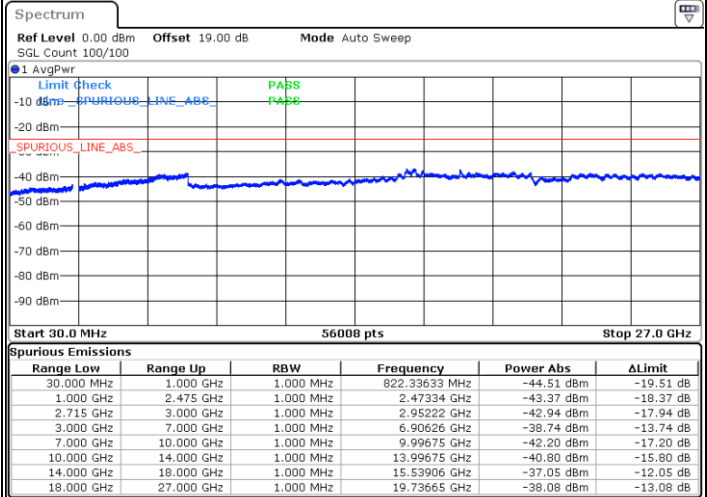
LTE Band 41 / 20MHz

Lowest Channel / QPSK



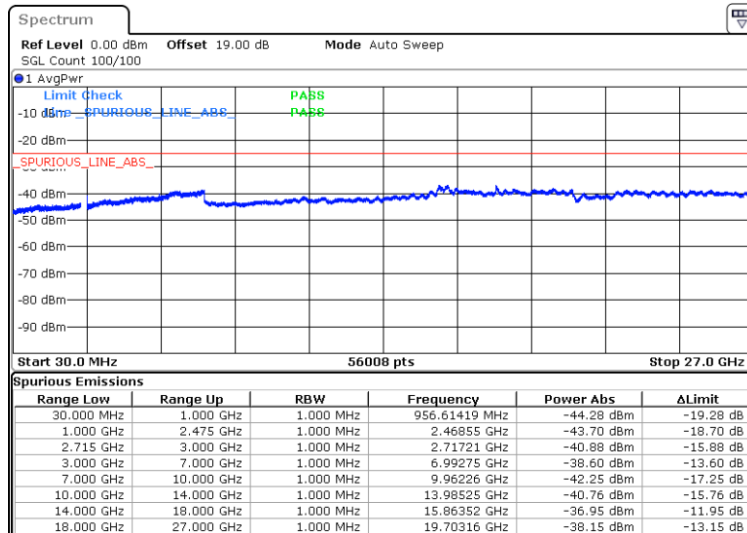
Date: 30.SEP.2024 09:56:20

Middle Channel / QPSK



Date: 30.SEP.2024 09:54:52

Highest Channel / QPSK



Date: 30.SEP.2024 09:53:35

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	0.0005	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0034	

Note:

1. Normal Voltage = 3.92 V. ; Minimum Voltage = 3.5 V. ; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41C

26dB Bandwidth

Mode	LTE Band 41C : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.88	25.23	30.03	25.18	30.75
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.90	24.88	29.97	35.04	39.96

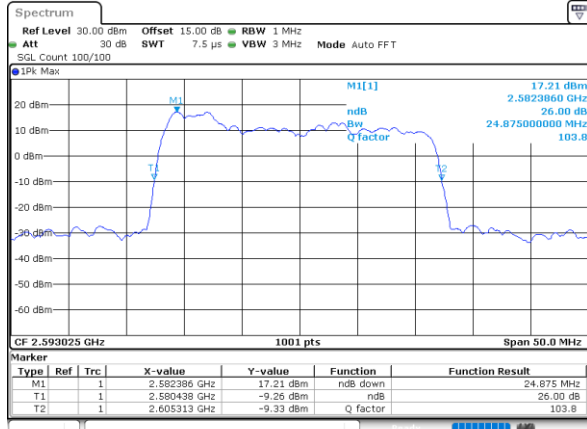
Mode	LTE Band 41C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.83	25.33	29.85	25.28	30.63
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.97	24.98	30.03	35.04	40.04



LTE Band 41C

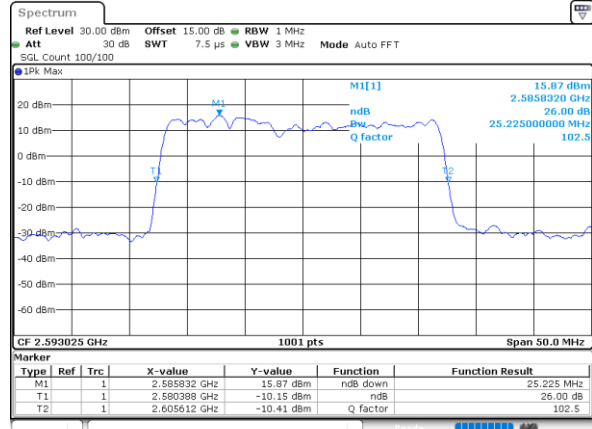
QPSK

Middle Channel / 5MHz+20MHz



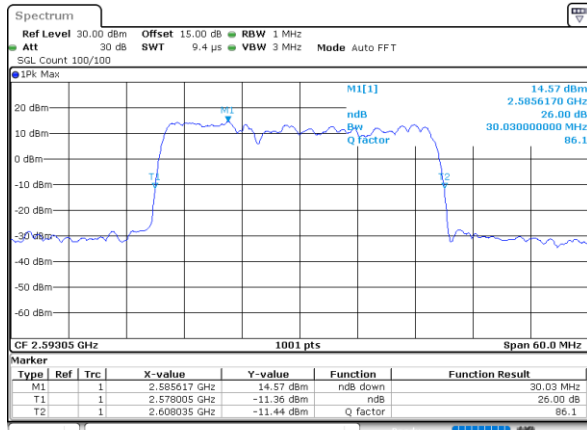
Date: 1.OCT.2024 06:19:58

Middle Channel / 10MHz+15MHz



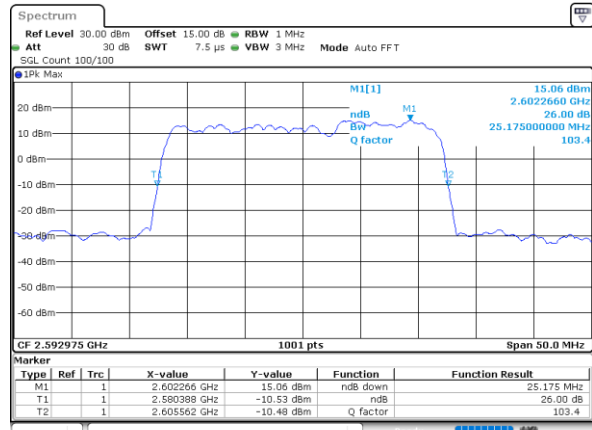
Date: 1.OCT.2024 07:25:09

Middle Channel / 10MHz+20MHz



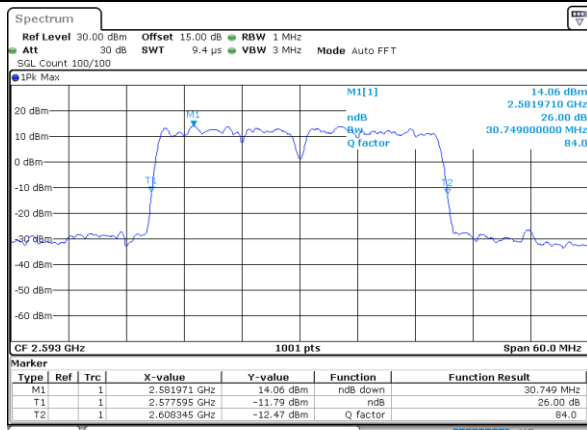
Date: 1.OCT.2024 08:42:02

Middle Channel / 15MHz+10MHz



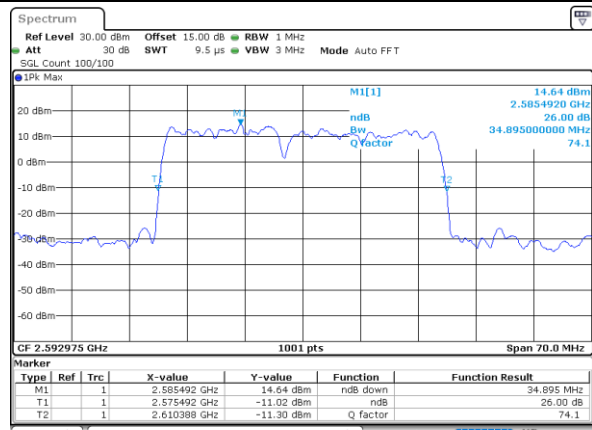
Date: 1.OCT.2024 08:00:28

Middle Channel / 15MHz+15MHz



Date: 1.OCT.2024 09:26:03

Middle Channel / 15MHz+20MHz



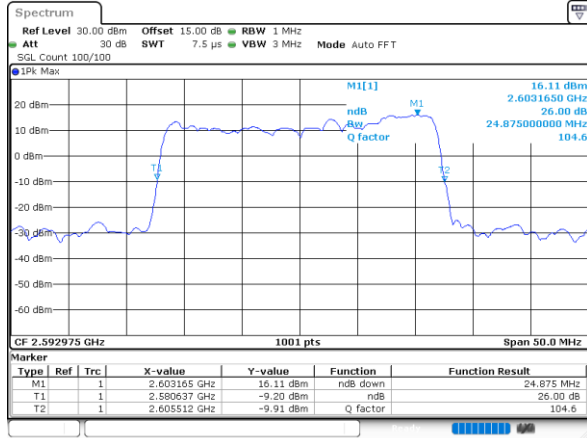
Date: 1.OCT.2024 09:53:16



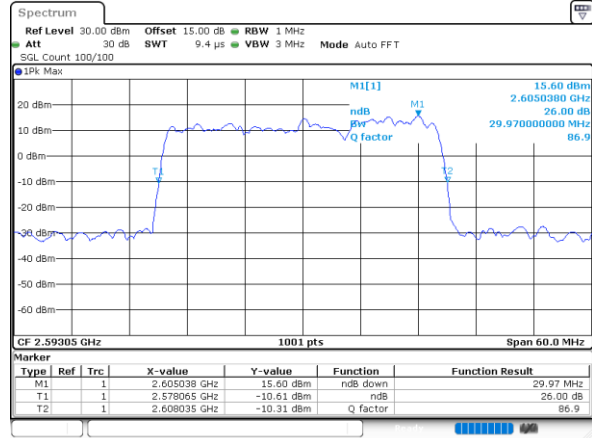
LTE Band 41C

QPSK

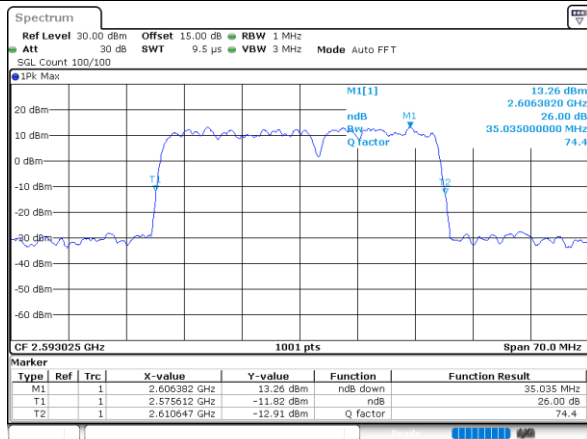
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

