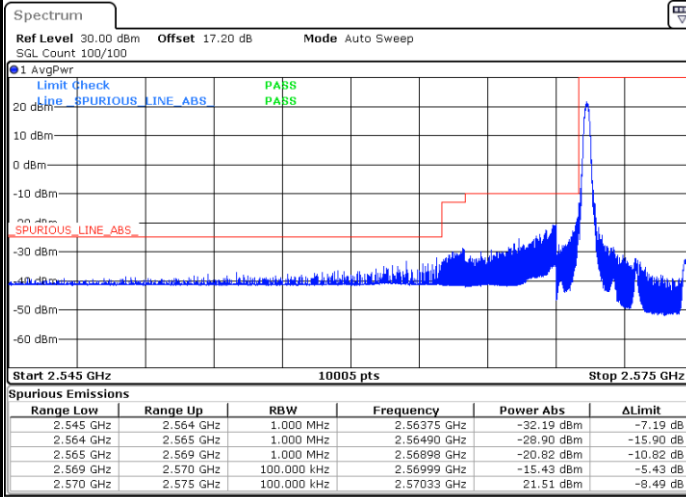




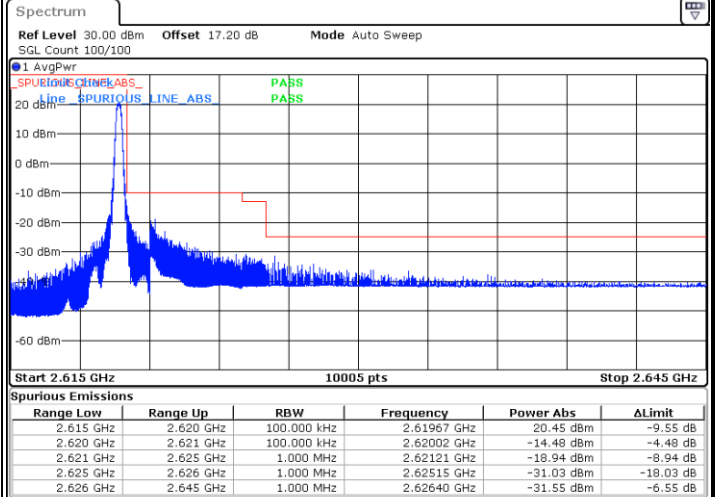
LTE Band 38 / 5MHz / 16QAM

Lowest Band Edge / 1RB



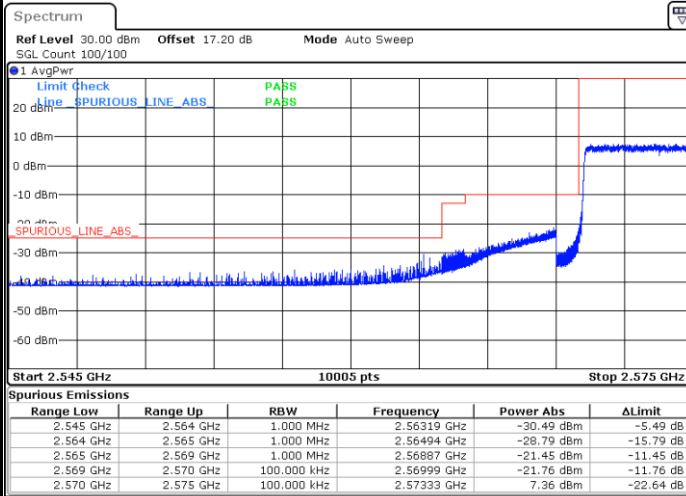
Date: 6.MAY.2024 12:36:47

Highest Band Edge / 1 RB



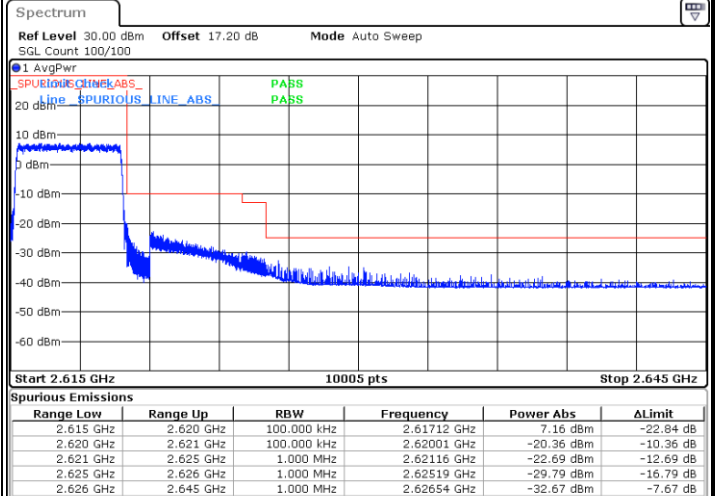
Date: 6.MAY.2024 12:43:02

Lowest Band Edge / Full RB



Date: 6.MAY.2024 12:38:52

Highest Band Edge / Full RB

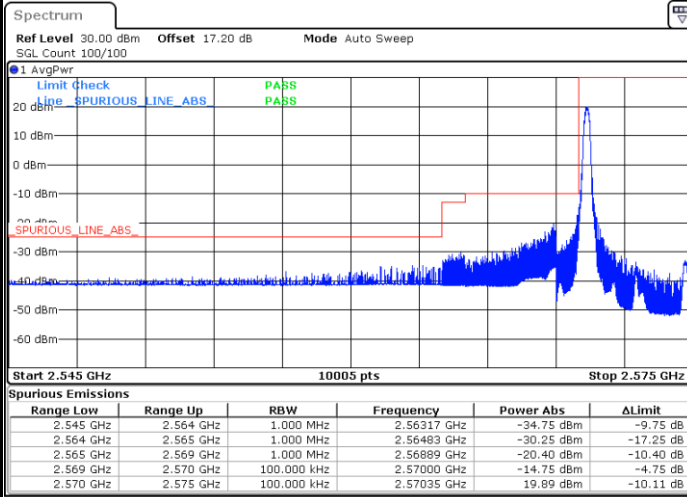


Date: 6.MAY.2024 12:40:58



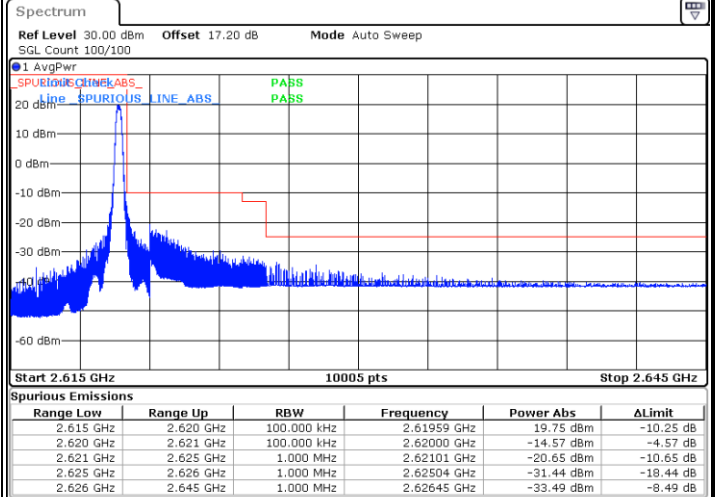
LTE Band 38 / 5MHz / 64QAM

Lowest Band Edge / 1RB



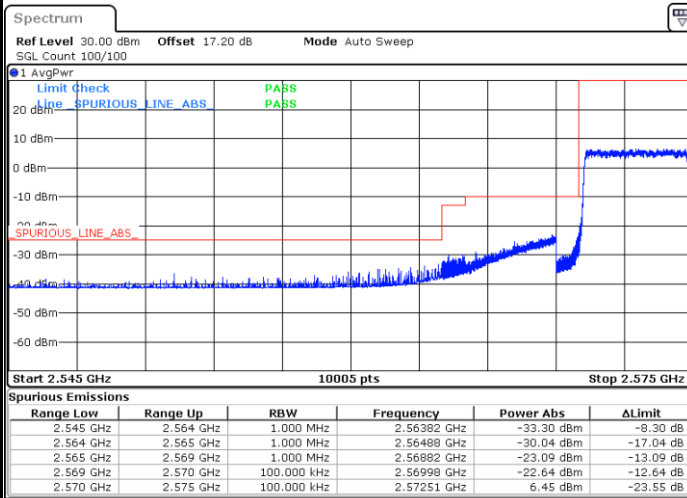
Date: 6.MAY.2024 12:44:05

Highest Band Edge / 1 RB



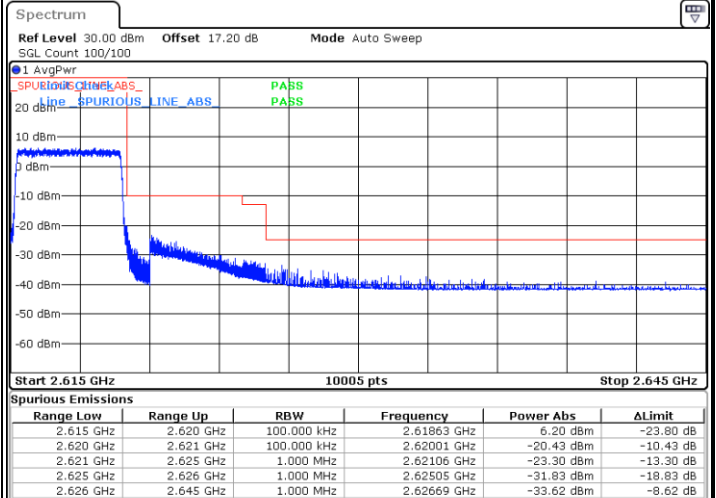
Date: 6.MAY.2024 12:47:17

Lowest Band Edge / Full RB



Date: 6.MAY.2024 12:45:10

Highest Band Edge / Full RB

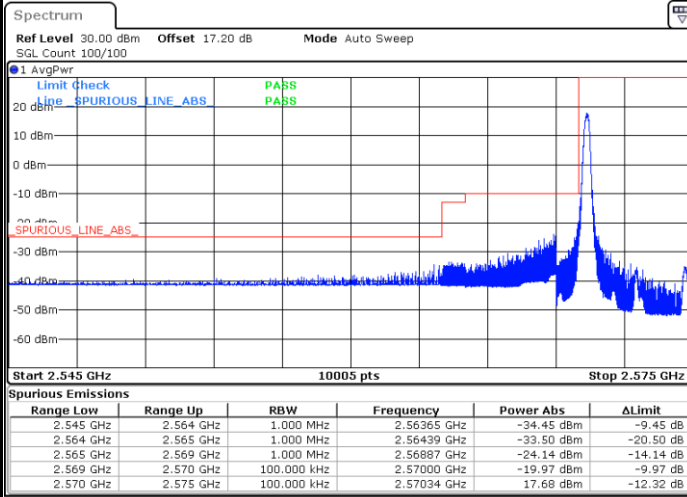


Date: 6.MAY.2024 12:46:14



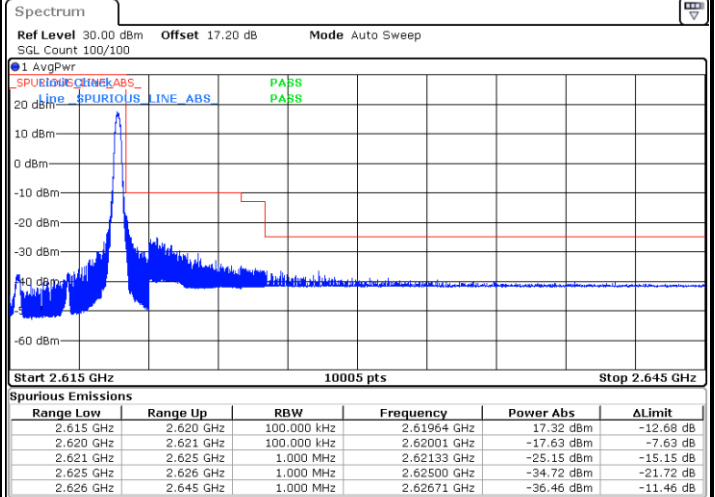
LTE Band 38 / 5MHz / 256QAM

Lowest Band Edge / 1RB



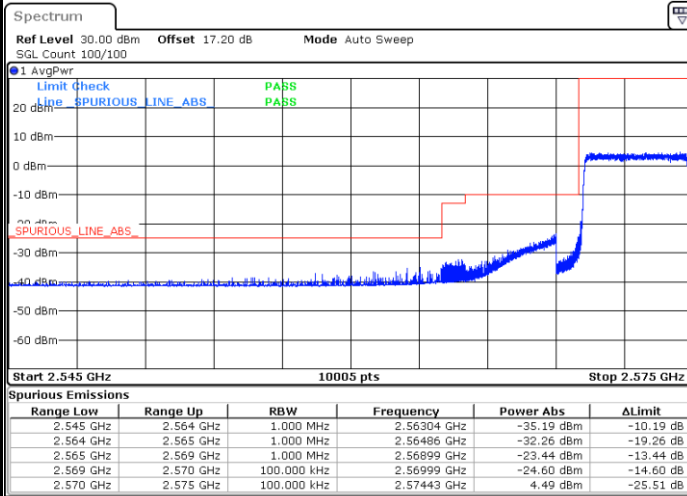
Date: 6.MAY.2024 14:39:34

Highest Band Edge / 1 RB



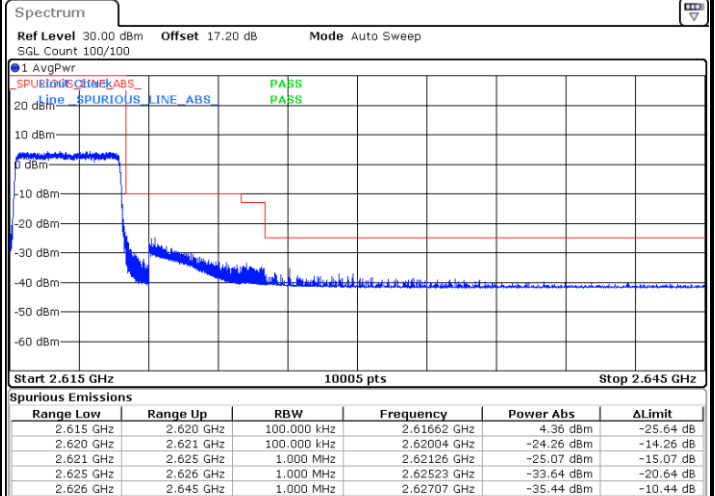
Date: 6.MAY.2024 14:43:46

Lowest Band Edge / Full RB



Date: 6.MAY.2024 14:40:39

Highest Band Edge / Full RB



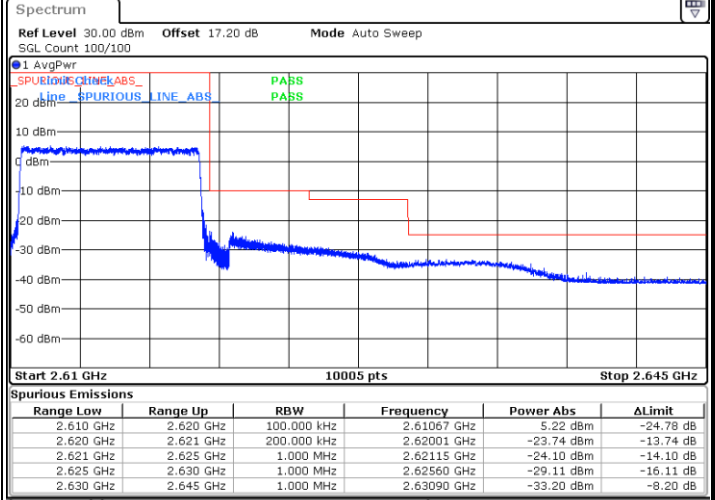
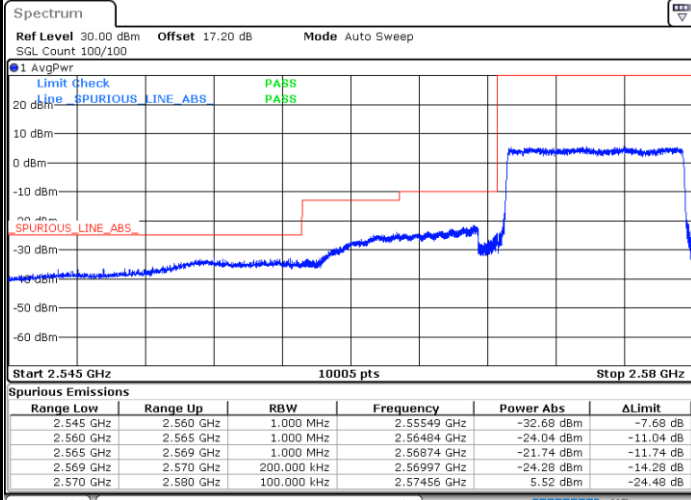
Date: 6.MAY.2024 14:41:44



LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



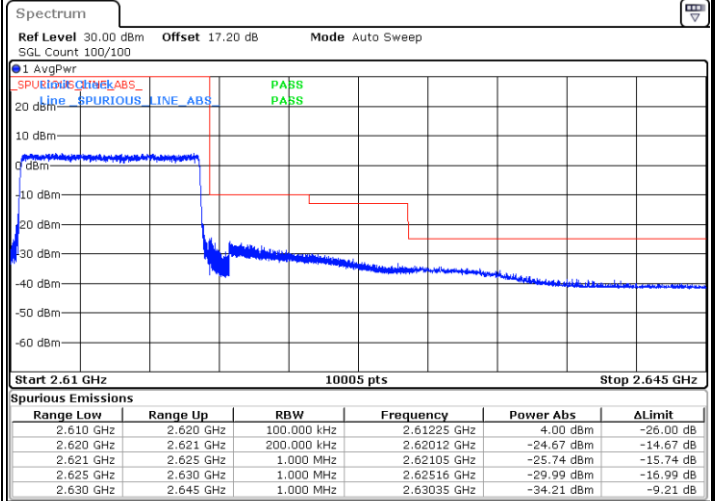
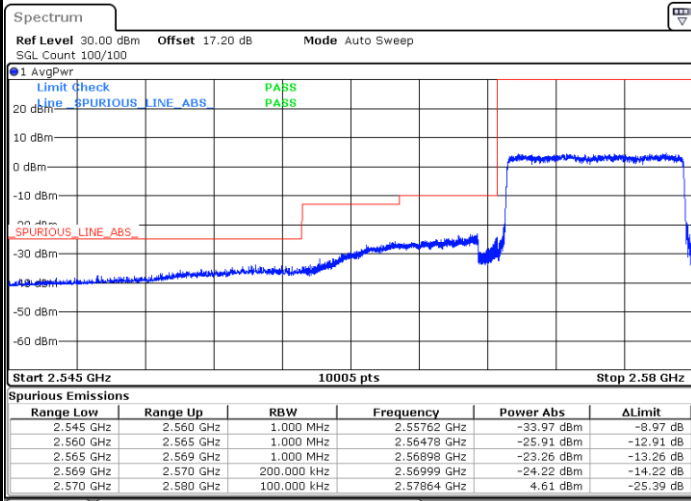
Date: 6.MAY.2024 12:50:28

Date: 6.MAY.2024 12:52:33

LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



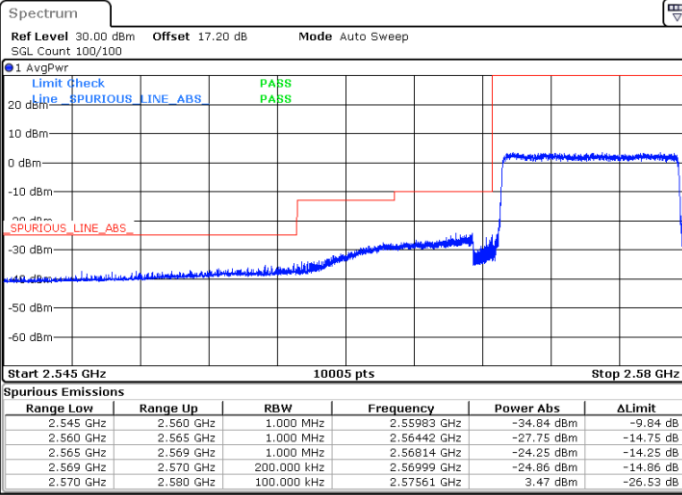
Date: 6.MAY.2024 12:51:31

Date: 6.MAY.2024 12:53:35



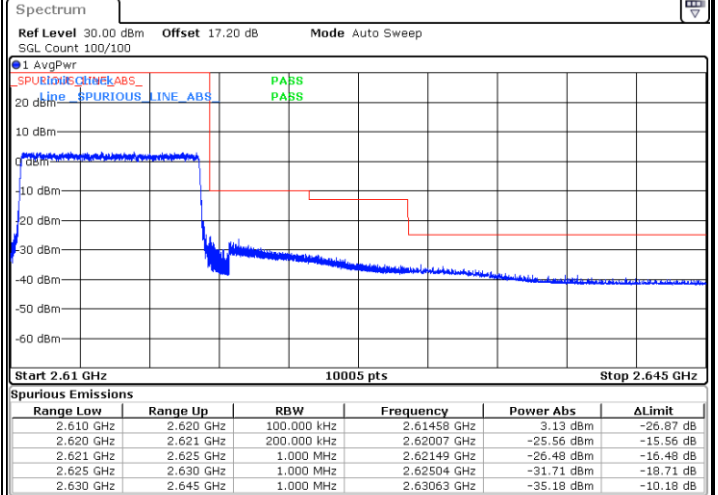
LTE Band 38 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 6.MAY.2024 12:48:22

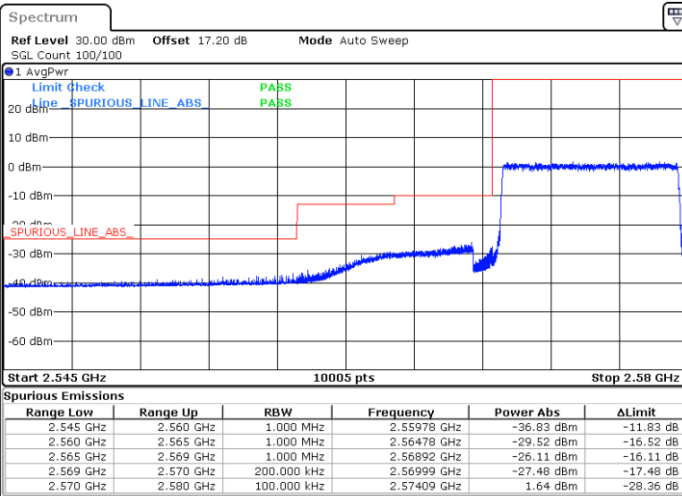
Highest Band Edge / Full RB



Date: 6.MAY.2024 12:49:25

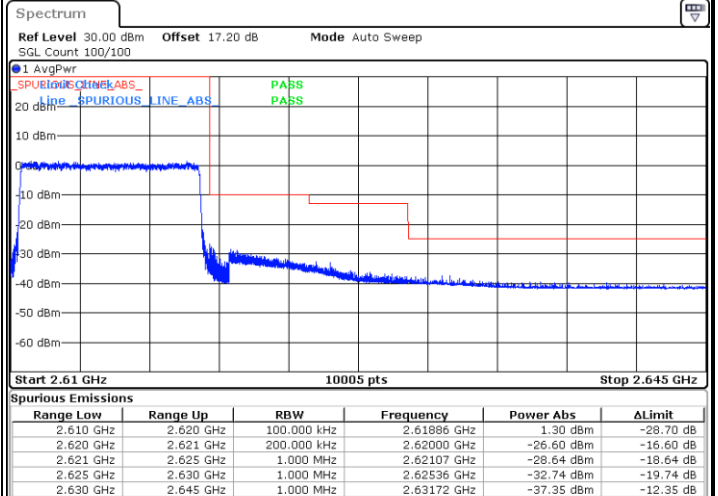
LTE Band 38 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 6.MAY.2024 14:51:46

Highest Band Edge / Full RB

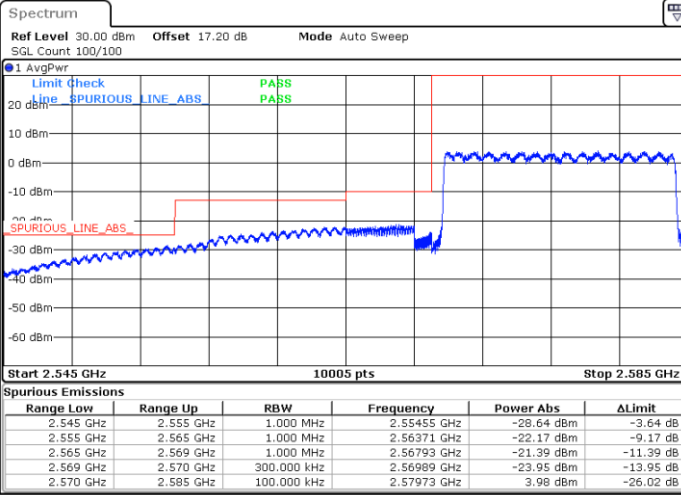


Date: 6.MAY.2024 14:52:53



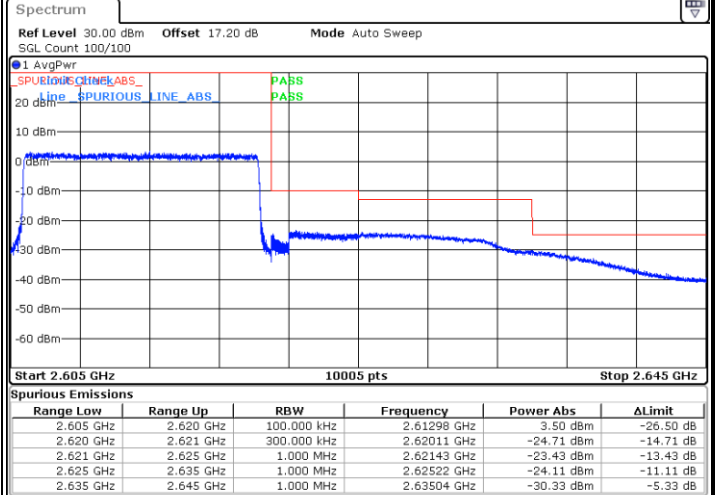
LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 6.MAY.2024 12:54:39

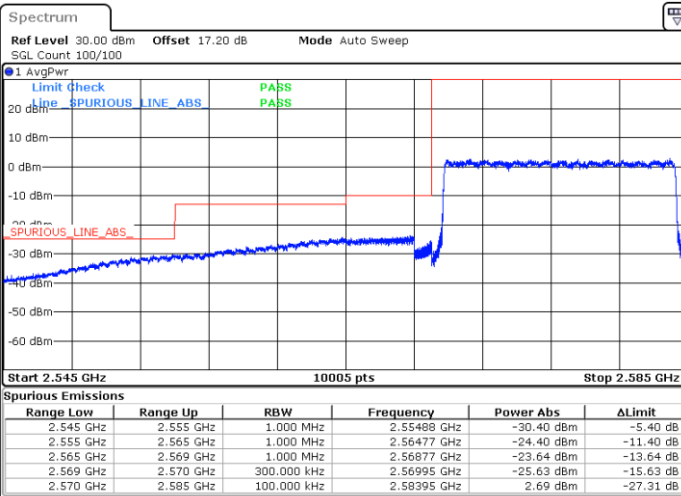
Highest Band Edge / Full RB



Date: 6.MAY.2024 12:56:44

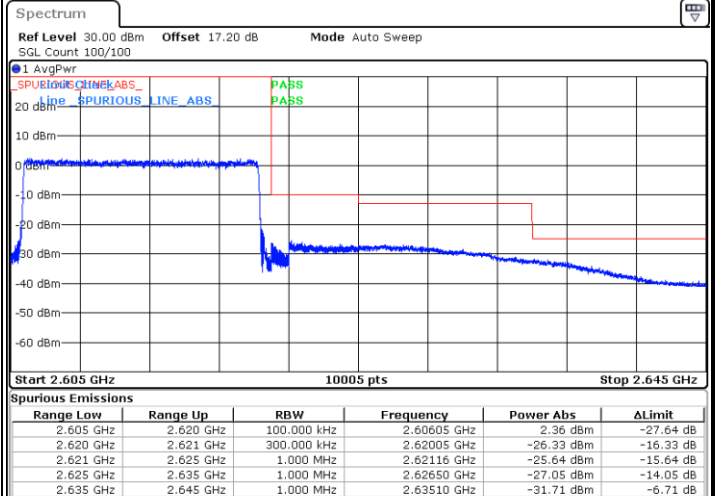
LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 6.MAY.2024 12:55:41

Highest Band Edge / Full RB

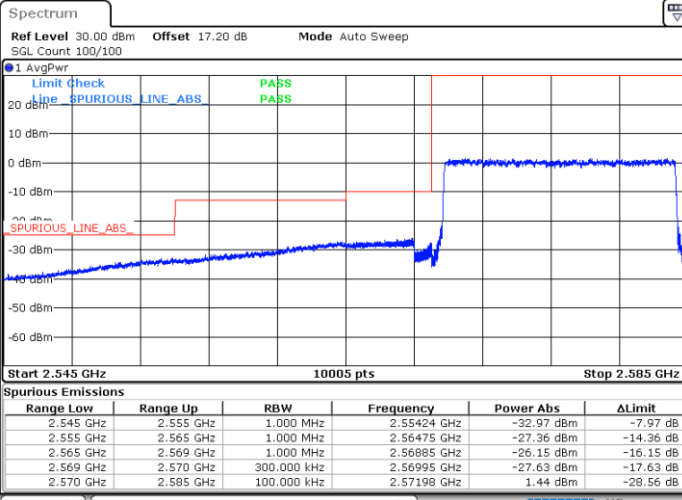


Date: 6.MAY.2024 12:57:47



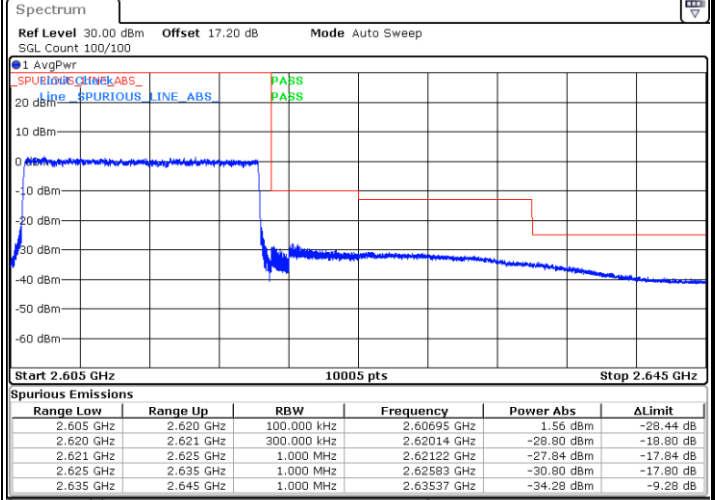
LTE Band 38 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 6.MAY.2024 12:58:51

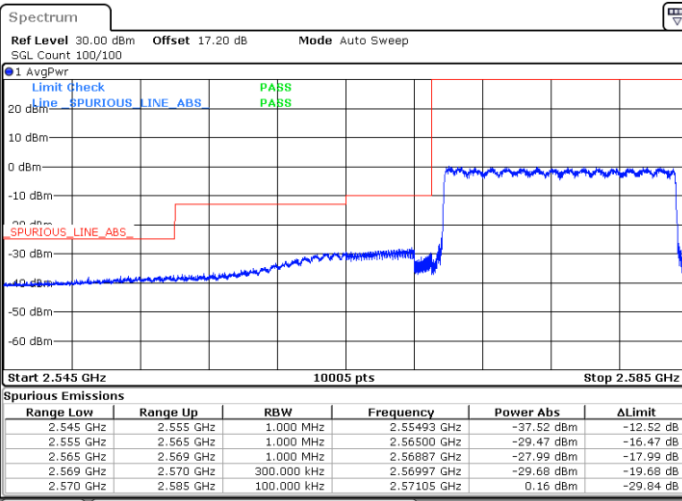
Highest Band Edge / Full RB



Date: 6.MAY.2024 12:59:52

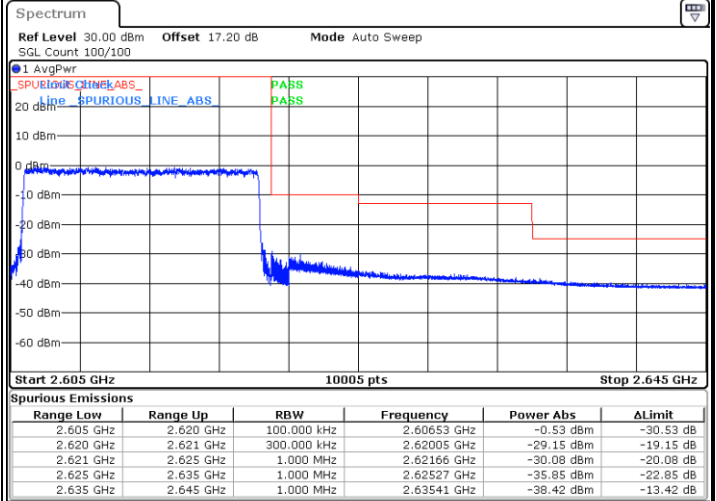
LTE Band 38 / 15MHz / 256QAM

Lowest Band Edge / Full RB



Date: 6.MAY.2024 14:57:13

Highest Band Edge / Full RB



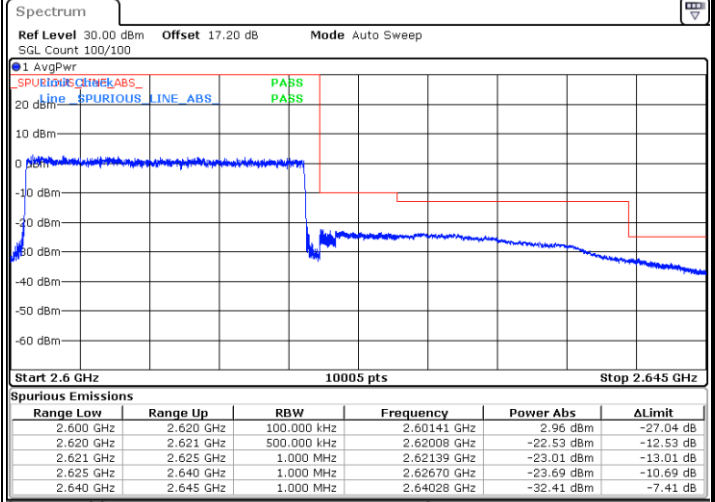
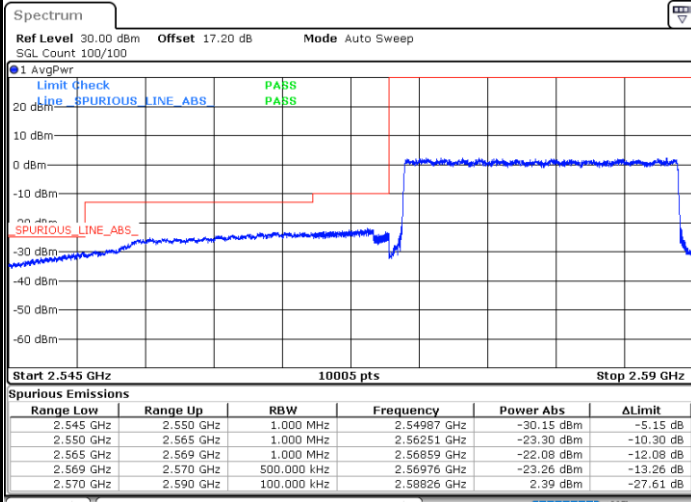
Date: 6.MAY.2024 14:58:20



LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



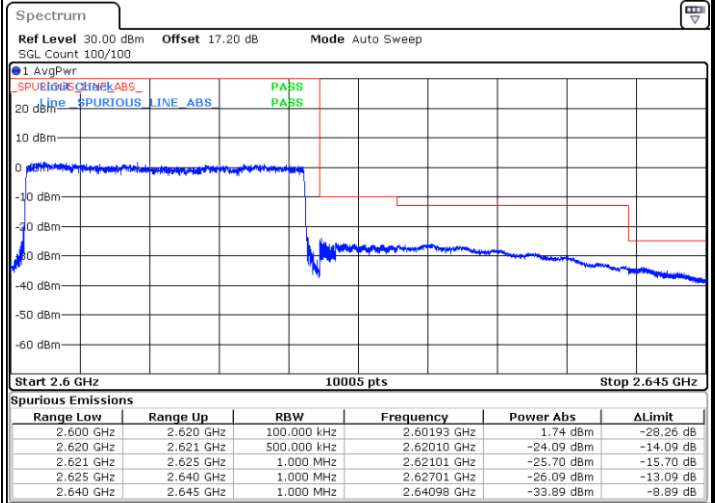
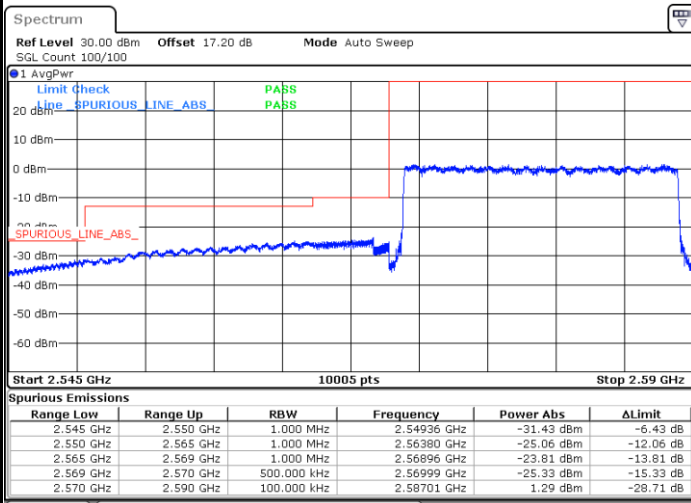
Date: 6.MAY.2024 13:00:55

Date: 6.MAY.2024 13:03:03

LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



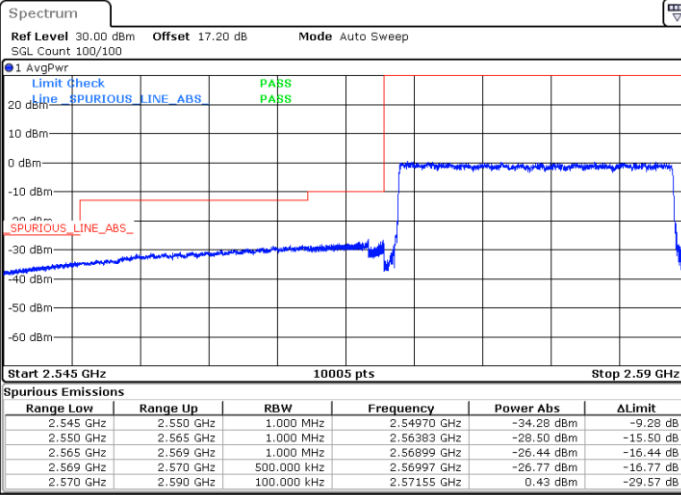
Date: 6.MAY.2024 13:01:59

Date: 6.MAY.2024 13:04:06



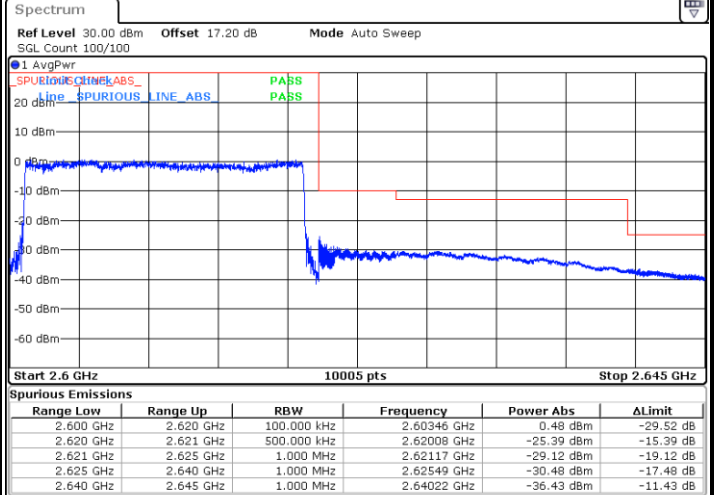
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 6.MAY.2024 13:05:10

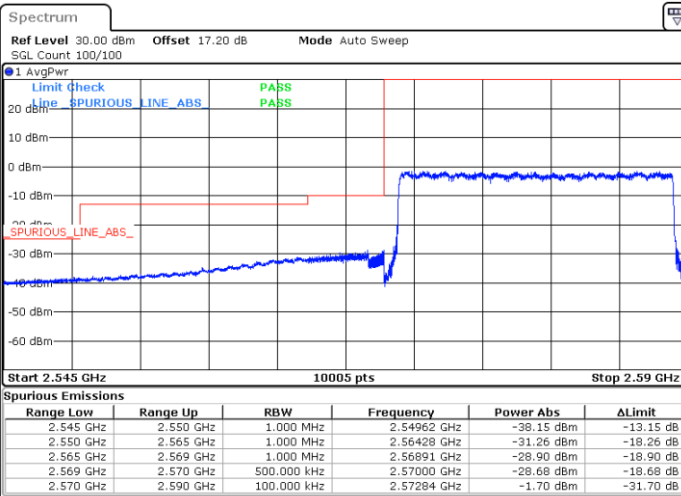
Highest Band Edge / Full RB



Date: 6.MAY.2024 13:06:13

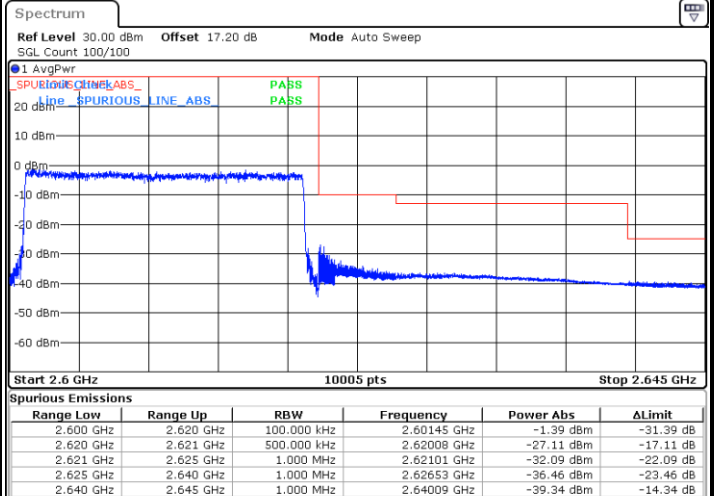
LTE Band 38 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Date: 6.MAY.2024 15:02:51

Highest Band Edge / Full RB



Date: 6.MAY.2024 15:03:56

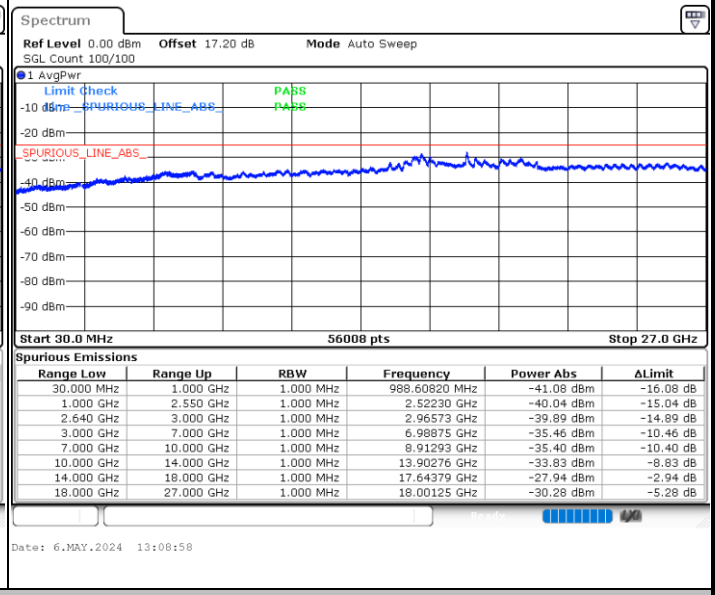
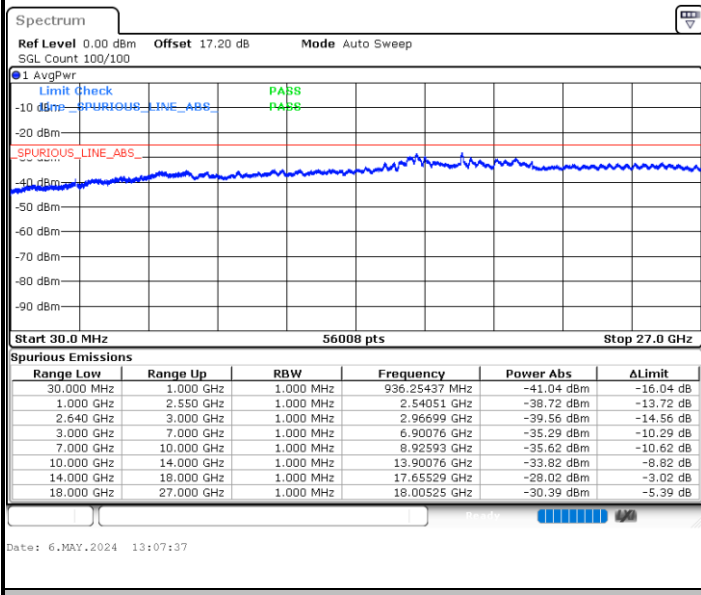


Conducted Spurious Emission

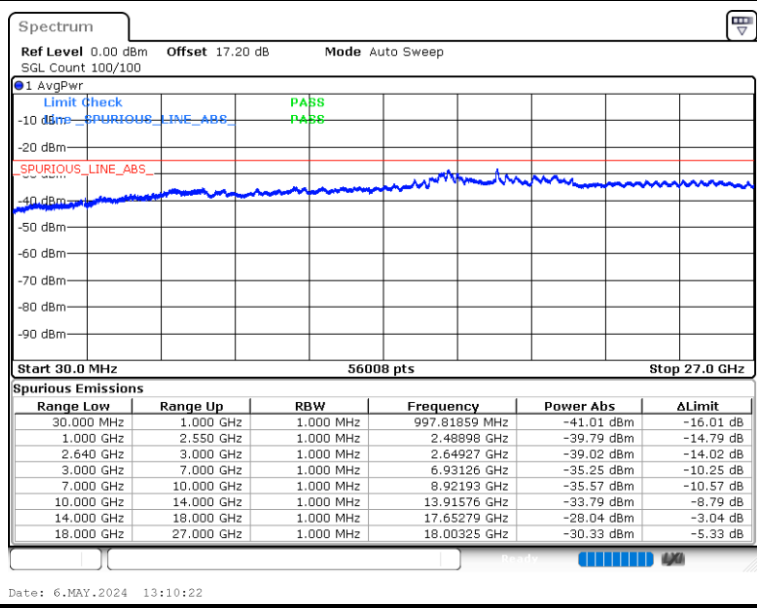
LTE Band 38 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

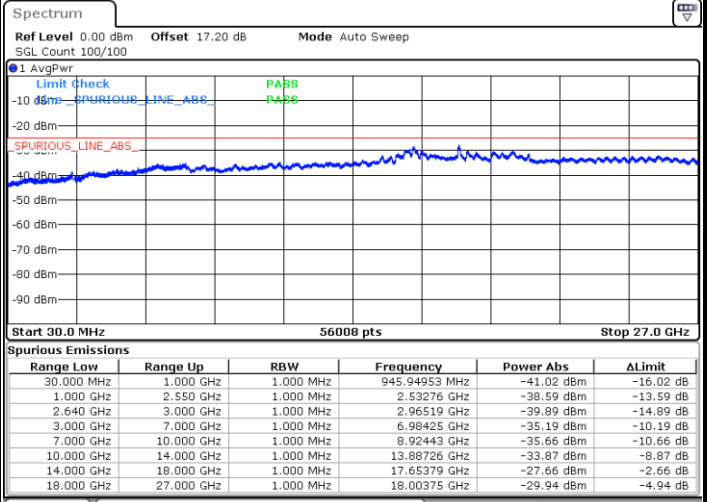
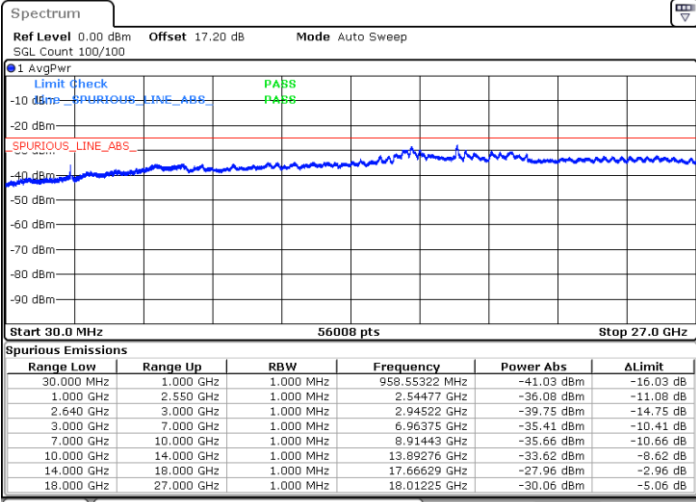




LTE Band 38 / 10MHz

Lowest Channel / QPSK

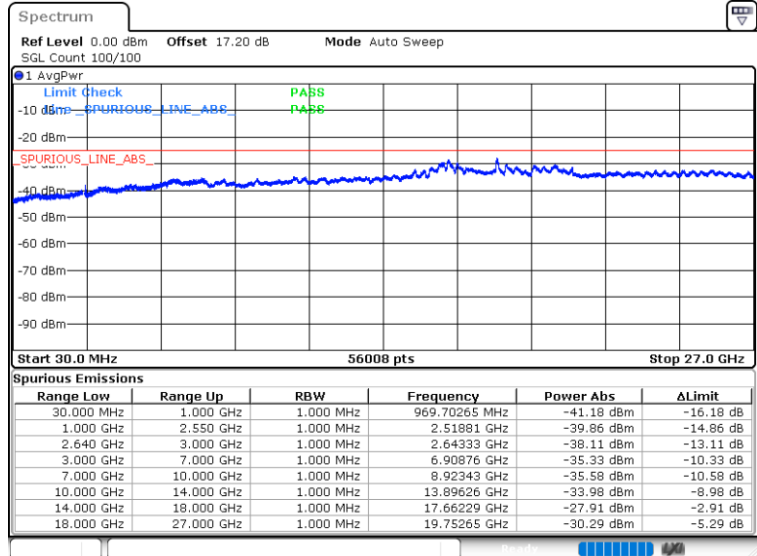
Middle Channel / QPSK



Date: 6.MAY.2024 15:26:18

Date: 6.MAY.2024 15:27:44

Highest Channel / QPSK



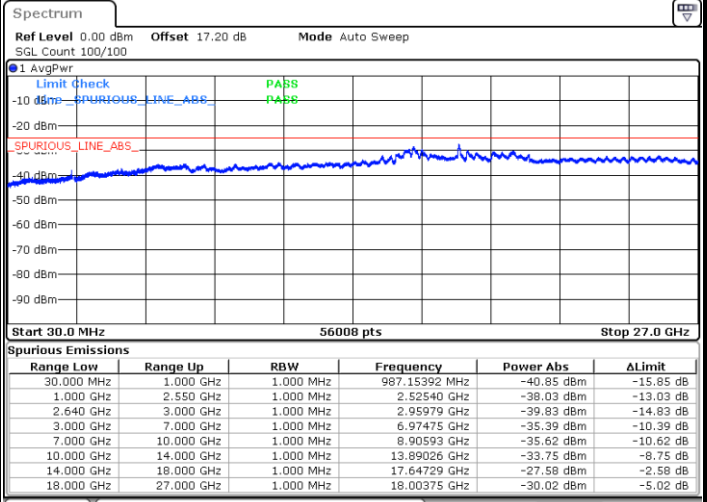
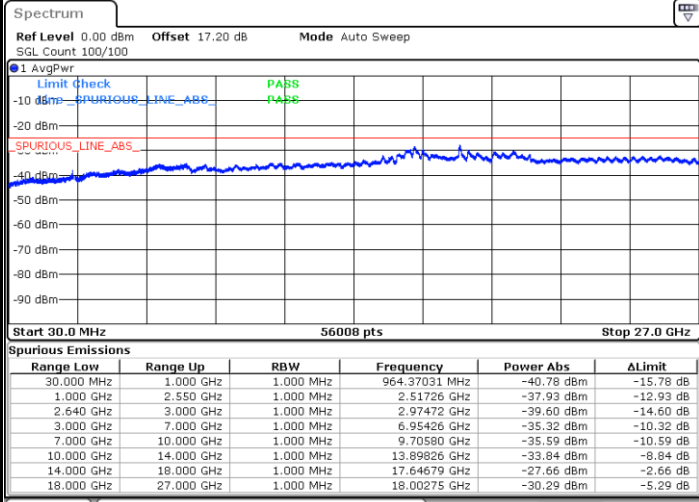
Date: 6.MAY.2024 15:29:08



LTE Band 38 / 15MHz

Lowest Channel / QPSK

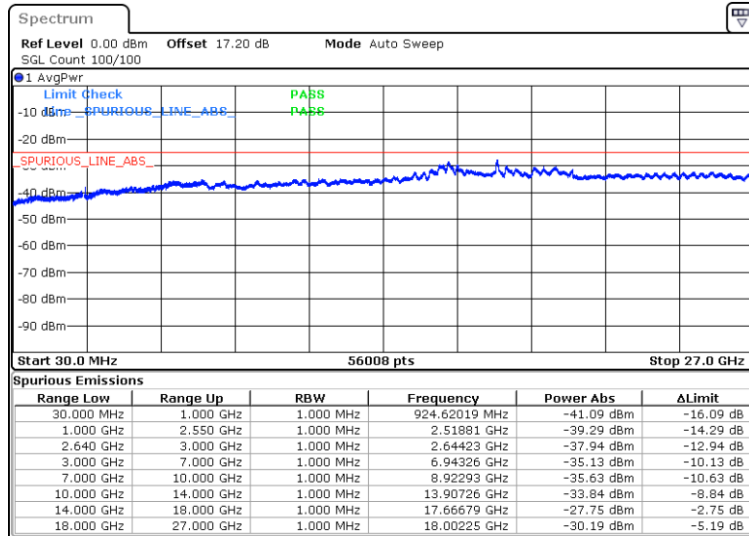
Middle Channel / QPSK



Date: 6.MAY.2024 15:30:34

Date: 6.MAY.2024 15:31:56

Highest Channel / QPSK



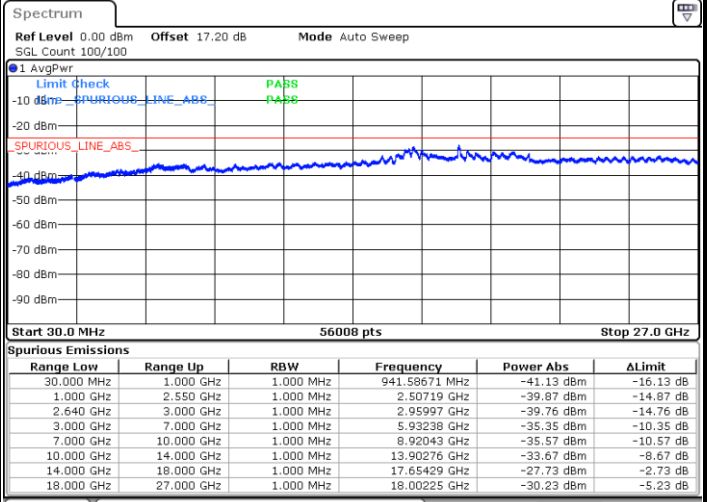
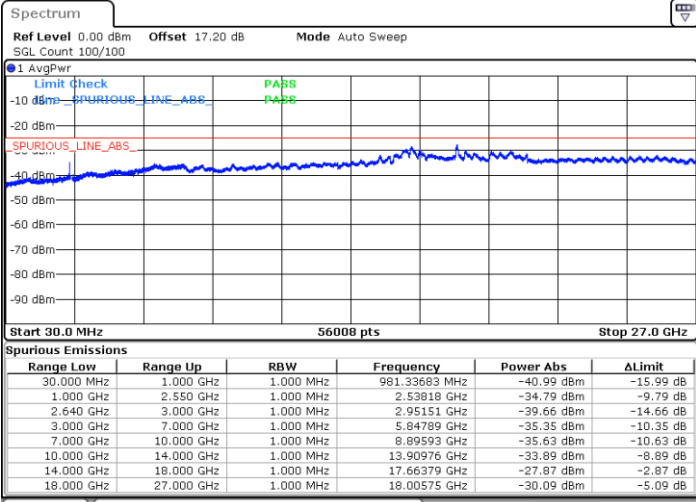
Date: 6.MAY.2024 15:33:19



LTE Band 38 / 20MHz

Lowest Channel / QPSK

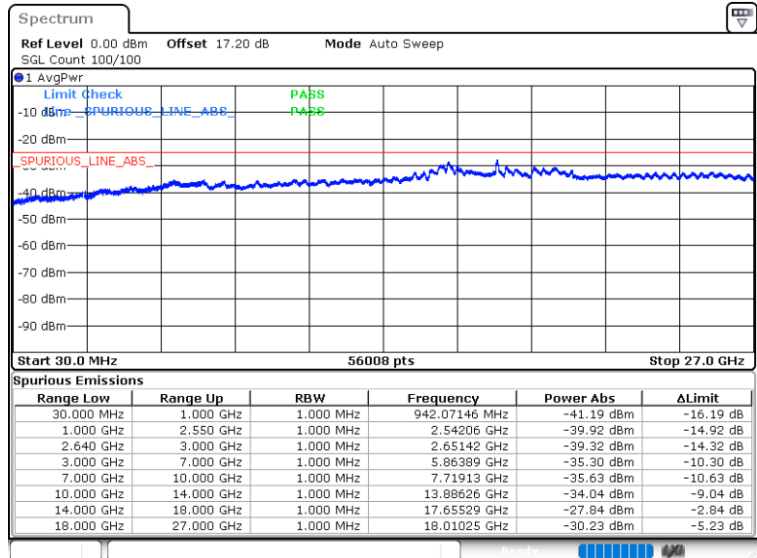
Middle Channel / QPSK



Date: 6.MAY.2024 15:34:45

Date: 6.MAY.2024 15:36:09

Highest Channel / QPSK



Date: 6.MAY.2024 15:37:32



Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0045	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0060	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0015	
20	Maximum Voltage	0.0040	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0017	

Note:

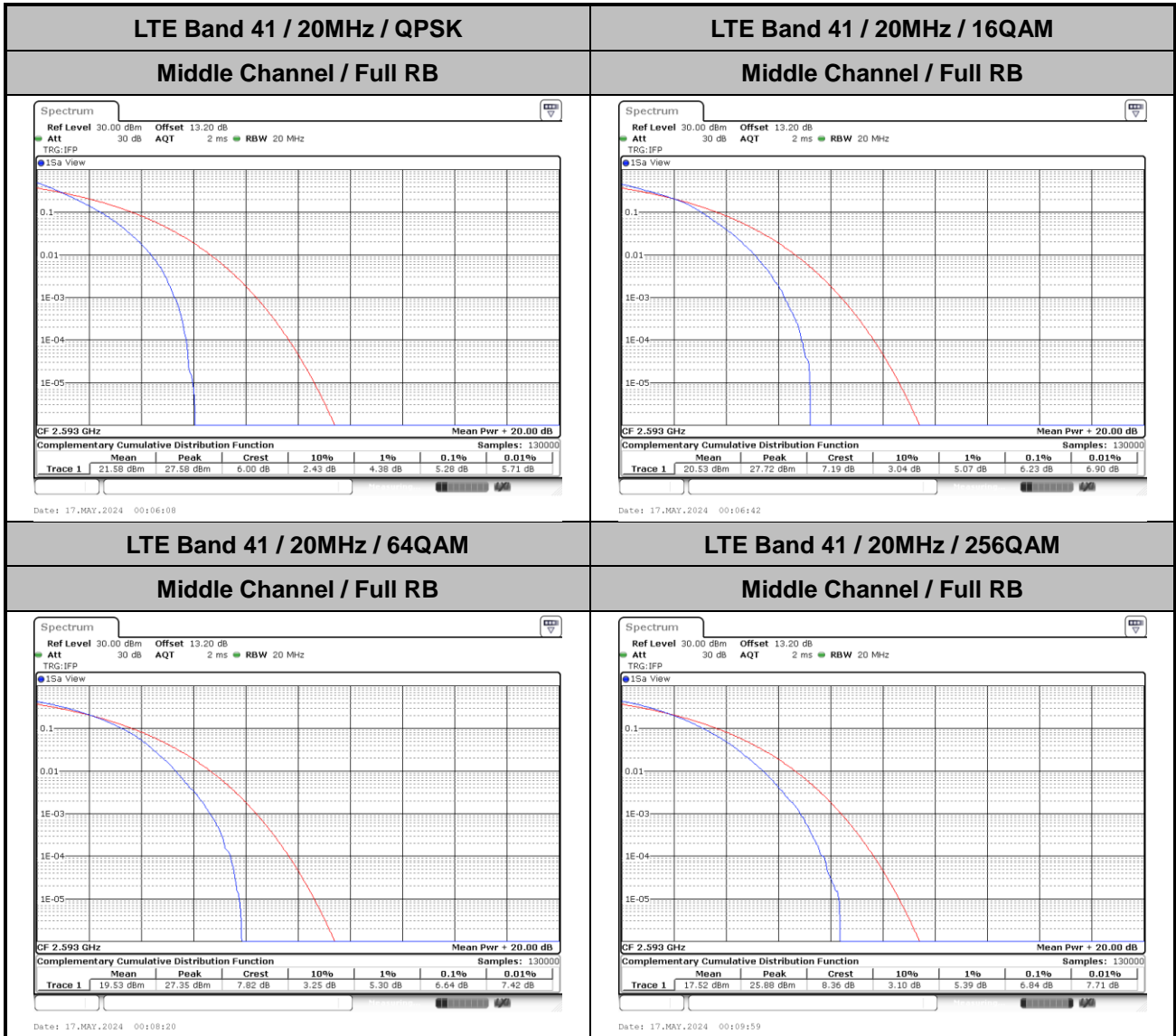
- 1. Normal Voltage = 3.86 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.4 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.28	6.23	6.64	6.84	PASS





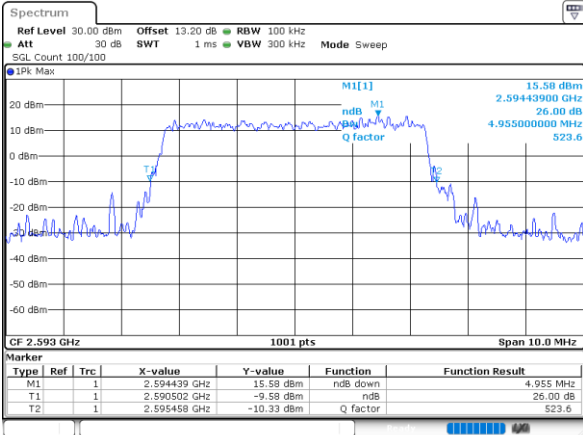
26dB Bandwidth

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	-	-	-	-	4.95	4.87	9.71	9.76	14.26	14.17	18.90	18.66
Mode	LTE Band 41 : 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	-	-	-	-	4.78	4.94	9.89	9.71	14.29	14.20	18.86	18.78



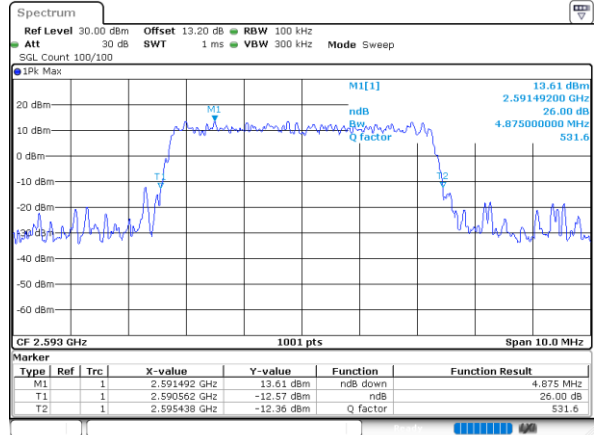
LTE Band 41

Middle Channel / 5MHz / QPSK



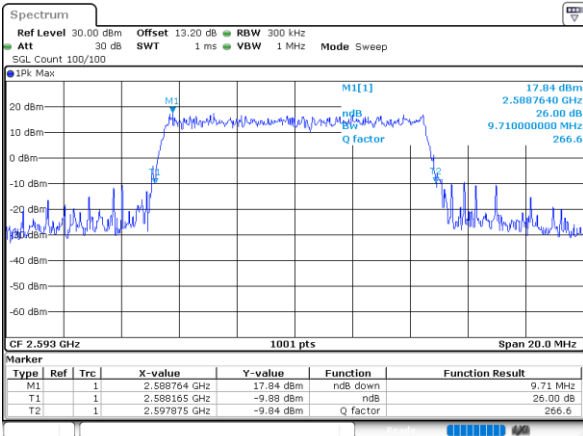
Date: 16.MAY.2024 23:15:55

Middle Channel / 5MHz / 16QAM



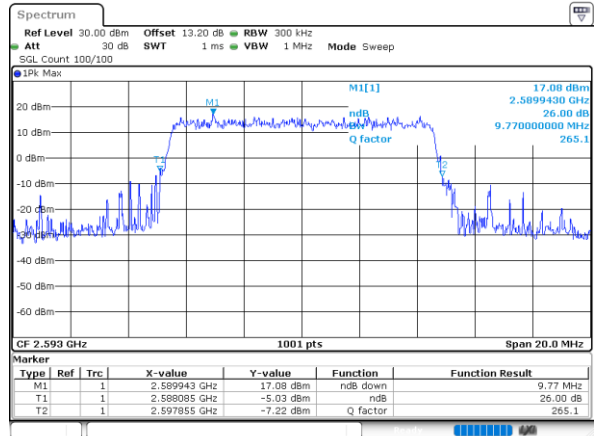
Date: 16.MAY.2024 23:16:58

Middle Channel / 10MHz / QPSK



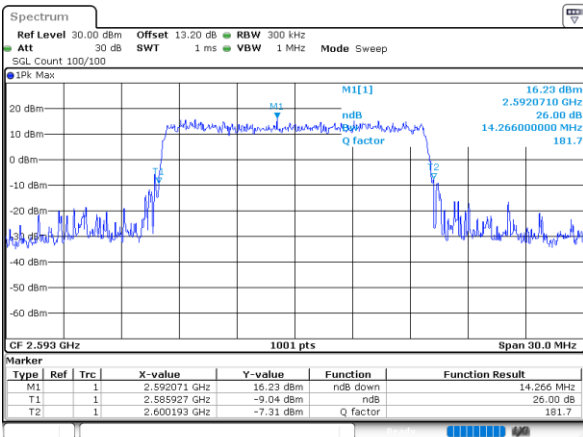
Date: 16.MAY.2024 23:17:30

Middle Channel / 10MHz / 16QAM



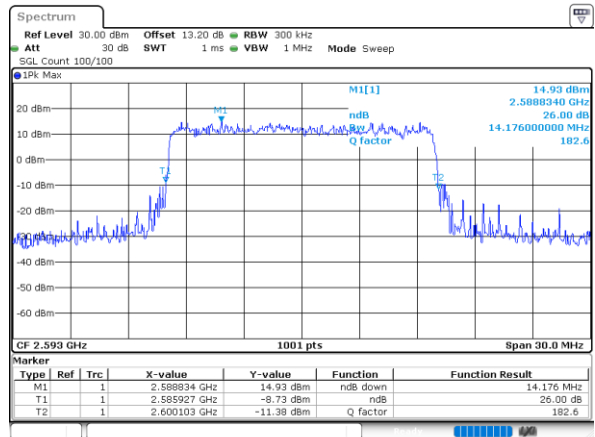
Date: 16.MAY.2024 23:18:37

Middle Channel / 15MHz / QPSK



Date: 16.MAY.2024 23:15:39

Middle Channel / 15MHz / 16QAM

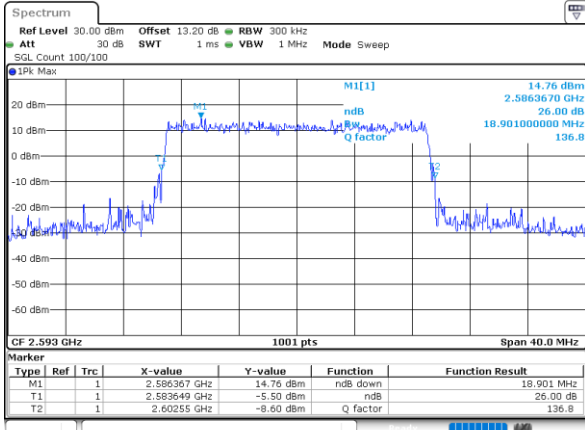


Date: 16.MAY.2024 23:15:46



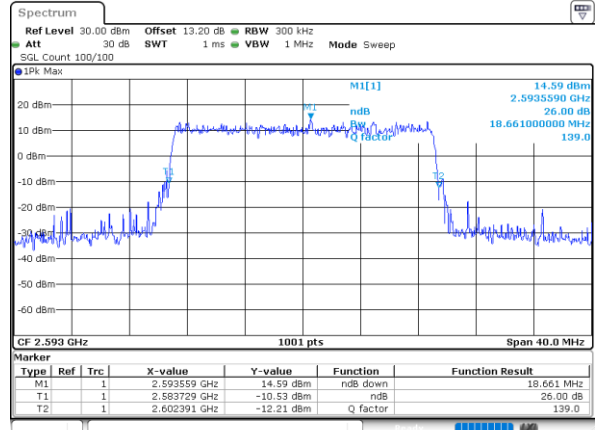
LTE Band 41

Middle Channel / 20MHz / QPSK



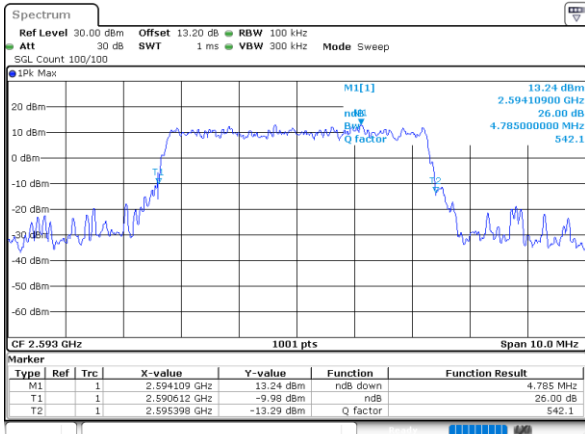
Date: 17.MAY.2024 00:05:35

Middle Channel / 20MHz / 16QAM



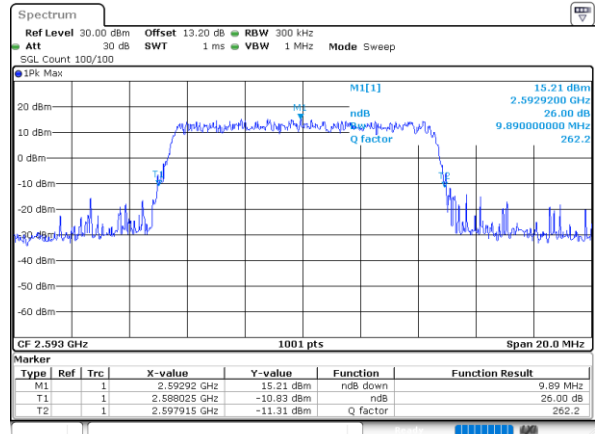
Date: 17.MAY.2024 00:07:46

Middle Channel / 5MHz / 64QAM



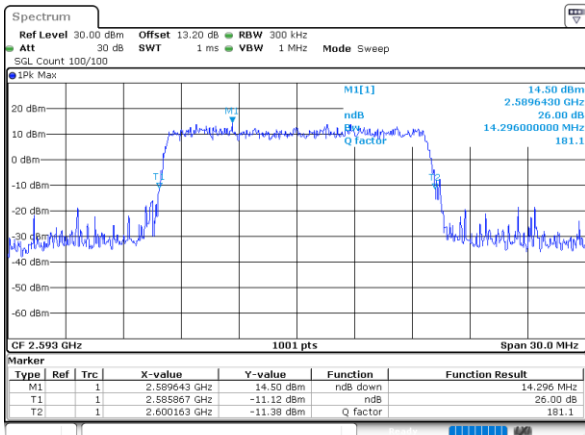
Date: 16.MAY.2024 23:18:02

Middle Channel / 10MHz / 64QAM



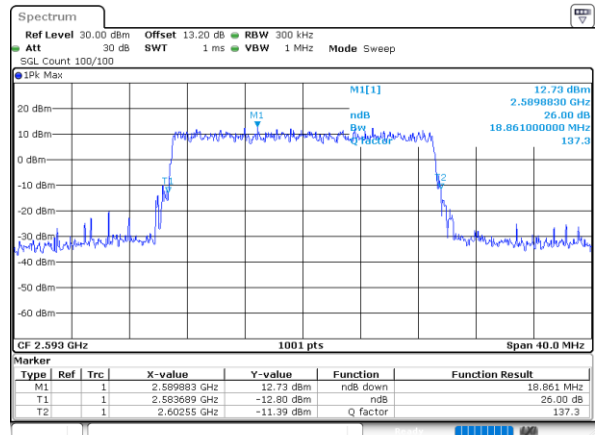
Date: 16.MAY.2024 23:19:42

Middle Channel / 15MHz / 64QAM



Date: 16.MAY.2024 23:53:50

Middle Channel / 20MHz / 64QAM

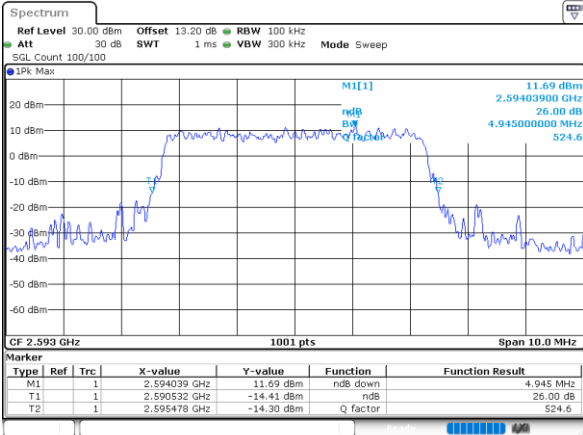


Date: 17.MAY.2024 00:09:26



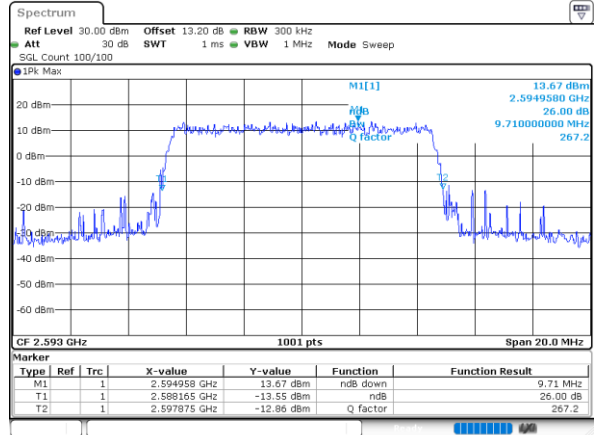
LTE Band 41

Middle Channel / 5MHz / 256QAM



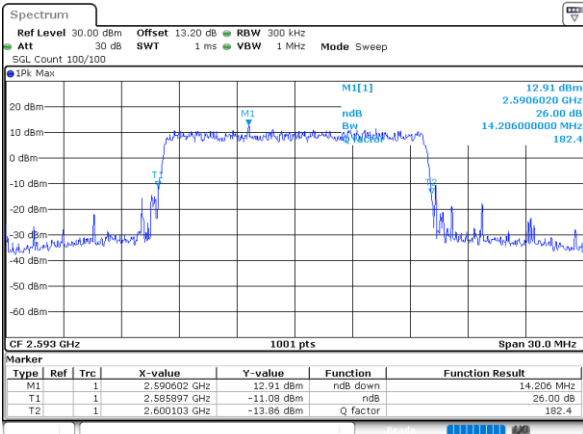
Date: 16.MAY.2024 23:19:06

Middle Channel / 10MHz / 256QAM



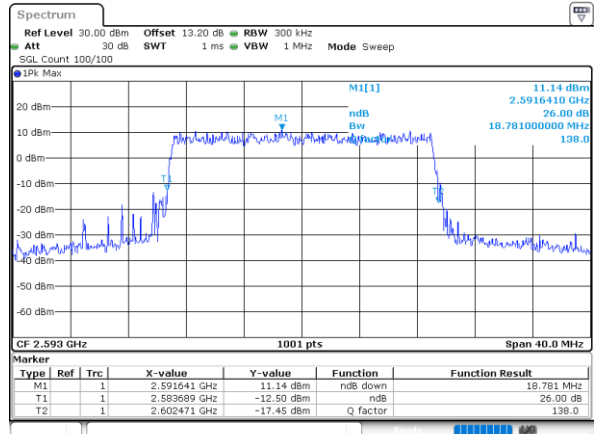
Date: 16.MAY.2024 23:40:48

Middle Channel / 15MHz / 256QAM



Date: 16.MAY.2024 23:54:58

Middle Channel / 20MHz / 256QAM



Date: 17.MAY.2024 00:11:06



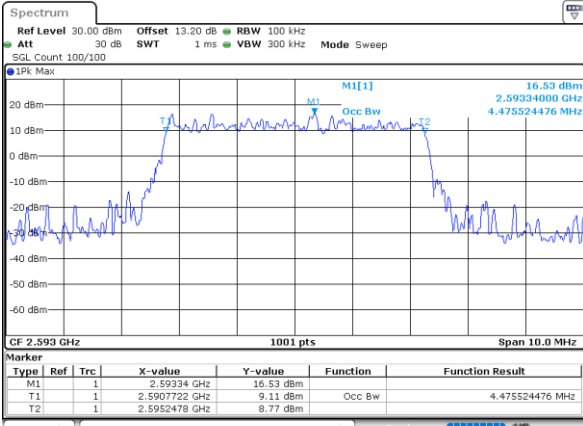
Occupied Bandwidth

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	-	-	-	-	4.47	4.51	9.05	9.09	13.45	13.45	17.90	17.90
Mode	LTE Band 41 : 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	-	-	-	-	4.50	4.51	9.03	9.05	13.45	13.42	17.86	17.94



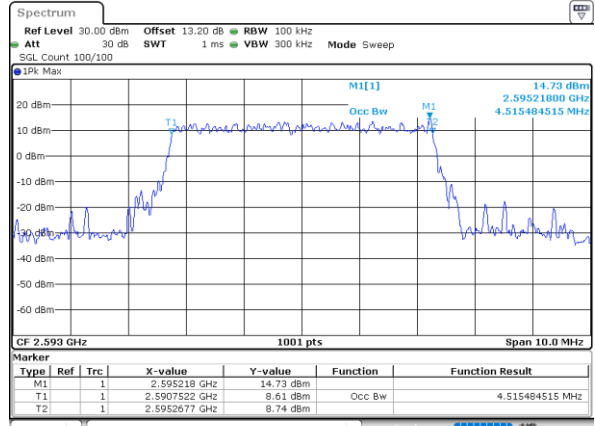
LTE Band 41

Middle Channel / 5MHz / QPSK



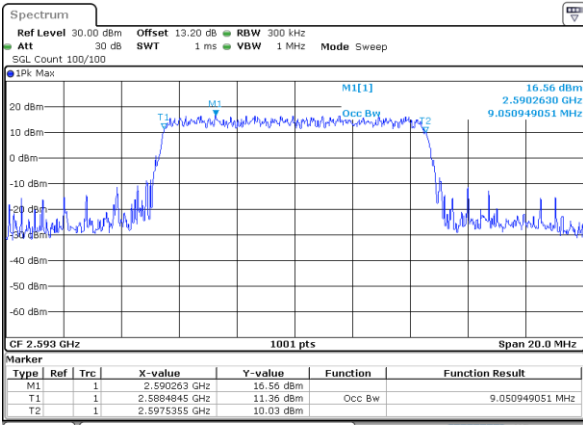
Date: 16.MAY.2024 23:15:24

Middle Channel / 5MHz / 16QAM



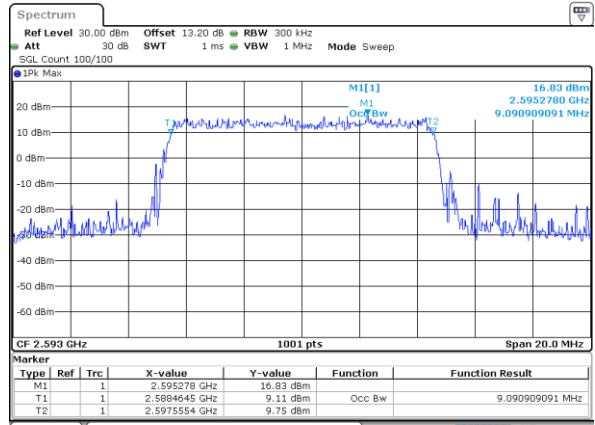
Date: 16.MAY.2024 23:16:27

Middle Channel / 10MHz / QPSK



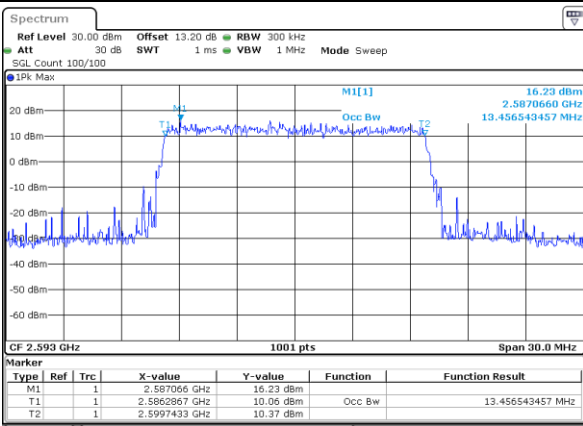
Date: 16.MAY.2024 23:16:54

Middle Channel / 10MHz / 16QAM



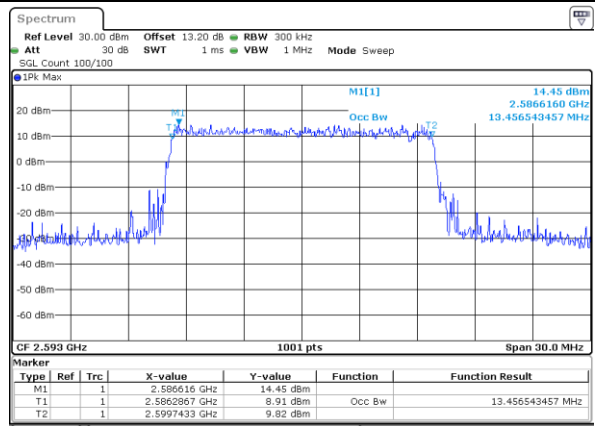
Date: 16.MAY.2024 23:18:04

Middle Channel / 15MHz / QPSK



Date: 16.MAY.2024 23:15:08

Middle Channel / 15MHz / 16QAM

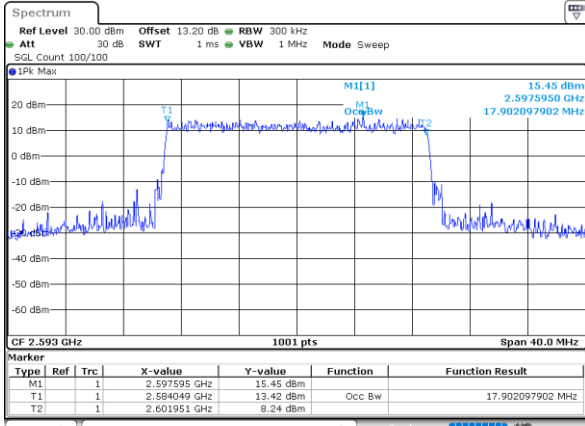


Date: 16.MAY.2024 23:15:12



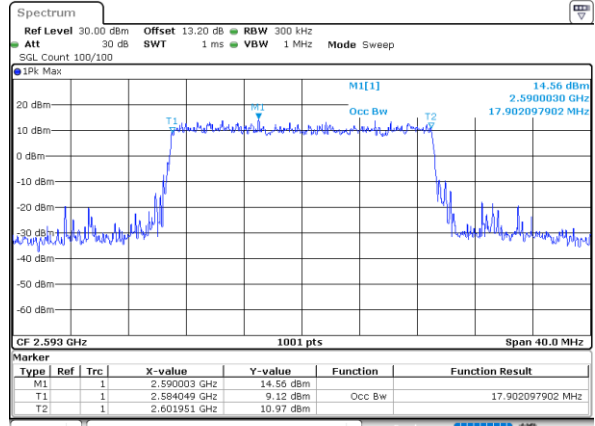
LTE Band 41

Middle Channel / 20MHz / QPSK



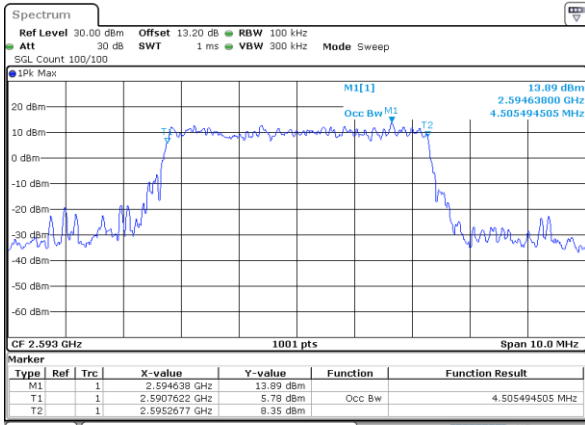
Date: 17.MAY.2024 00:05:03

Middle Channel / 20MHz / 16QAM



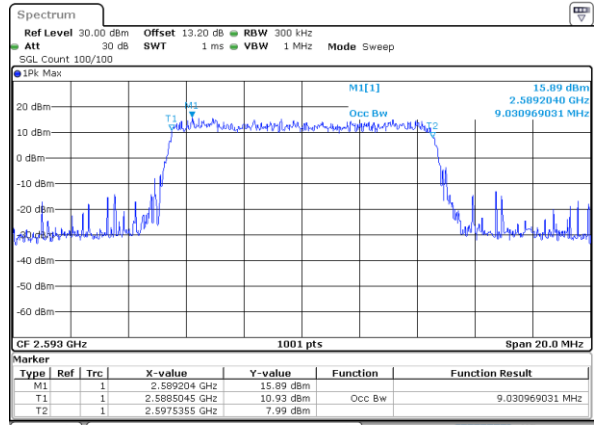
Date: 17.MAY.2024 00:07:14

Middle Channel / 5MHz / 64QAM



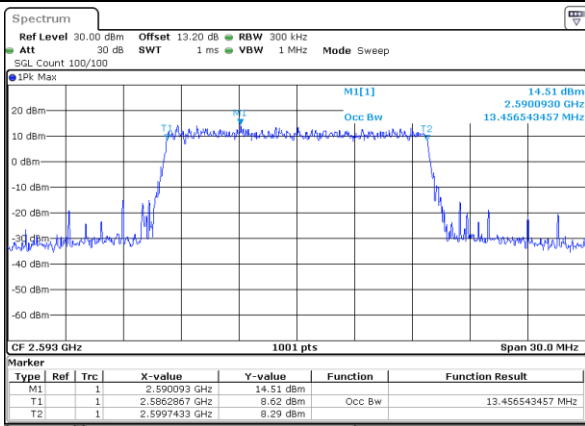
Date: 16.MAY.2024 23:17:30

Middle Channel / 10MHz / 64QAM



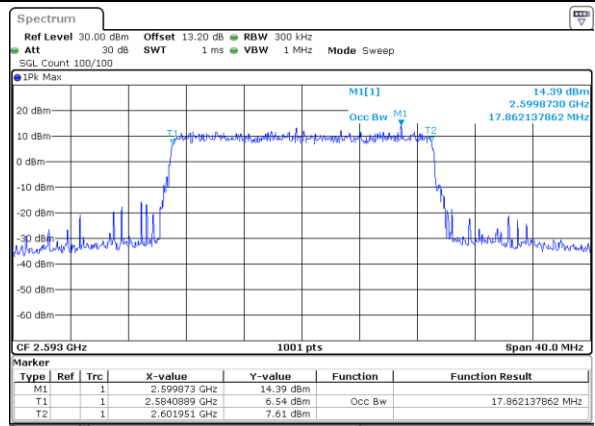
Date: 16.MAY.2024 23:29:09

Middle Channel / 15MHz / 64QAM



Date: 16.MAY.2024 23:13:18

Middle Channel / 20MHz / 64QAM

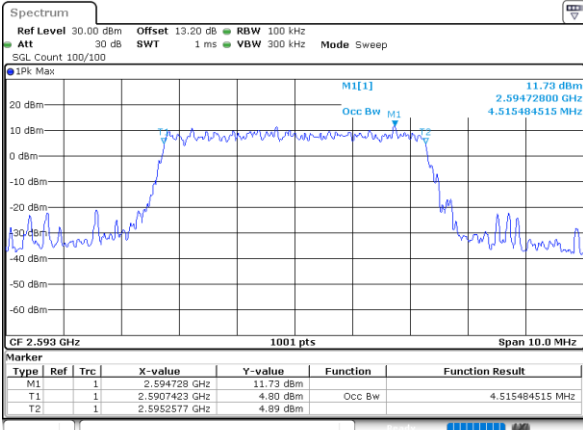


Date: 17.MAY.2024 00:08:55



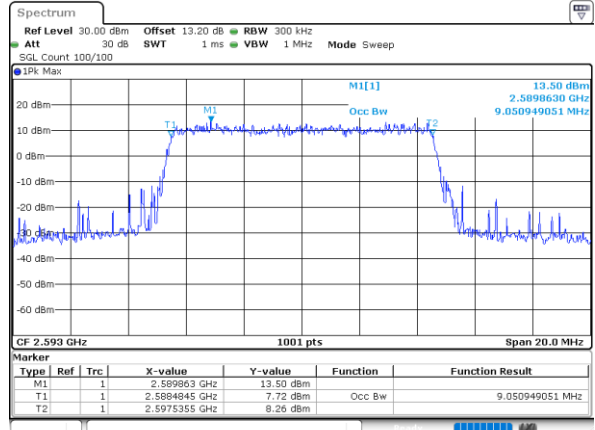
LTE Band 41

Middle Channel / 5MHz / 256QAM



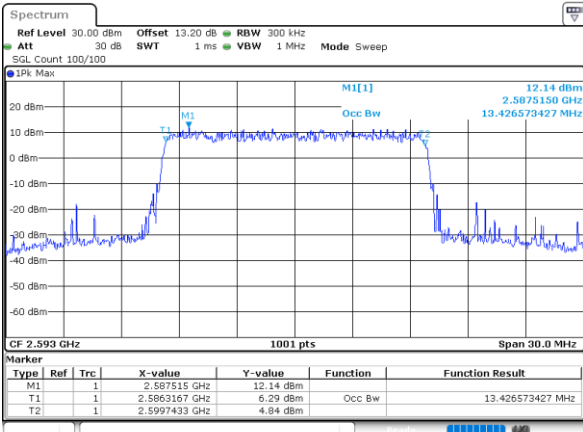
Date: 16.MAY.2024 23:18:35

Middle Channel / 10MHz / 256QAM



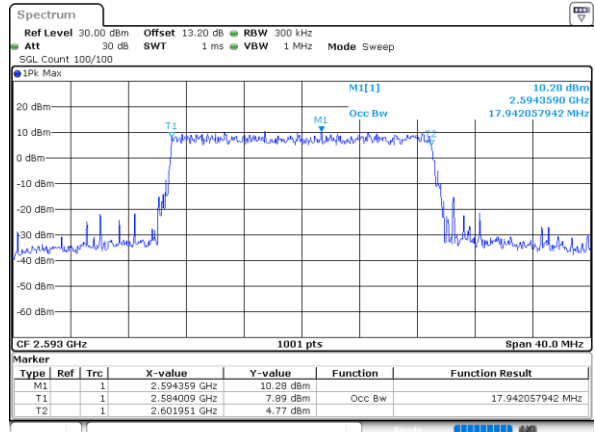
Date: 16.MAY.2024 23:40:17

Middle Channel / 15MHz / 256QAM



Date: 16.MAY.2024 23:54:23

Middle Channel / 20MHz / 256QAM



Date: 17.MAY.2024 00:10:32

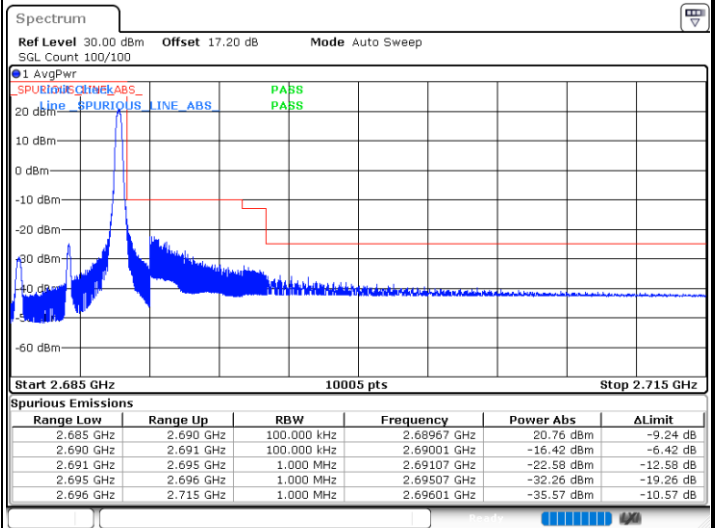
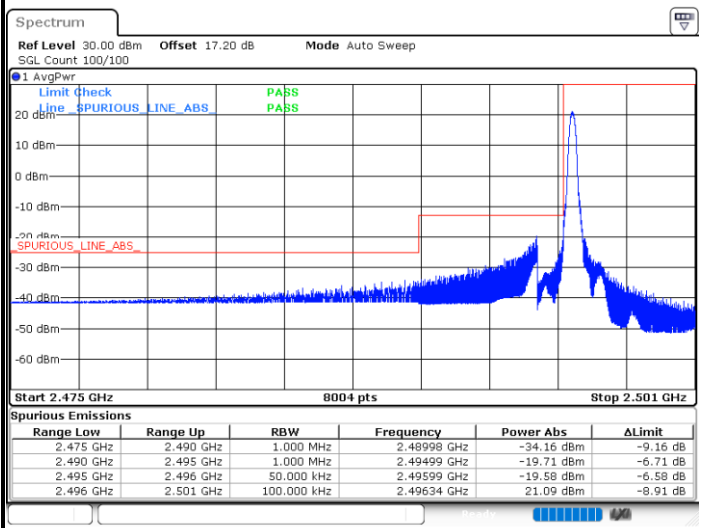


Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

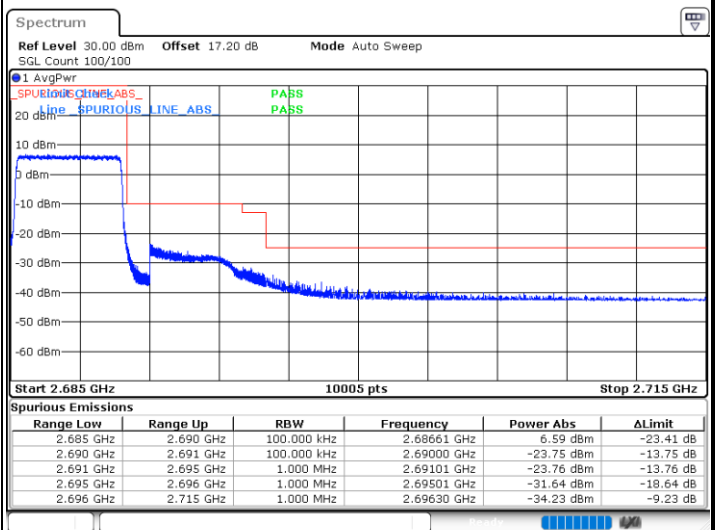
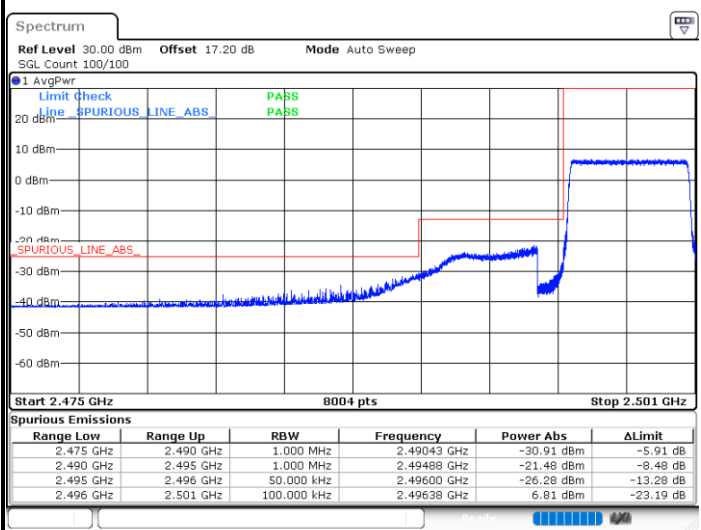


Date: 16.MAY.2024 23:02:44

Date: 16.MAY.2024 23:25:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



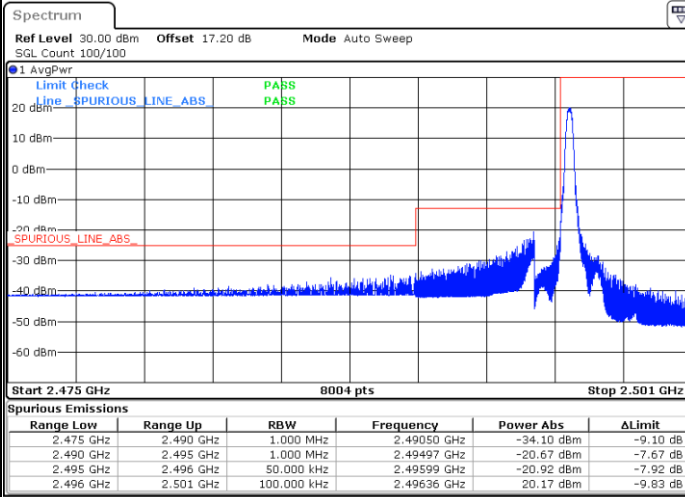
Date: 16.MAY.2024 23:08:28

Date: 16.MAY.2024 23:20:20



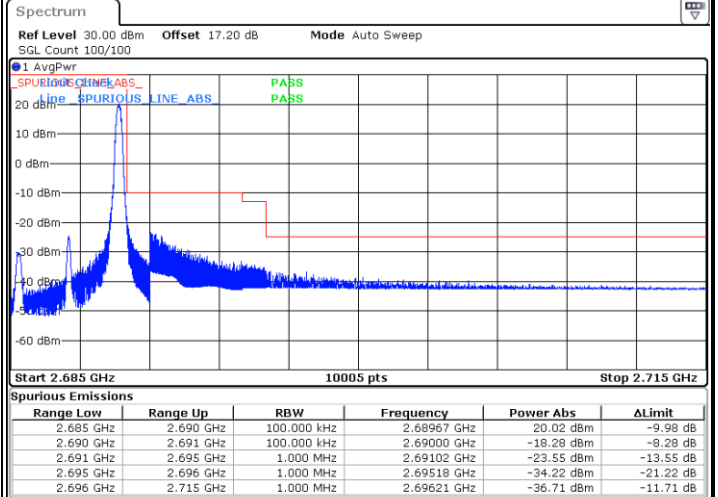
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



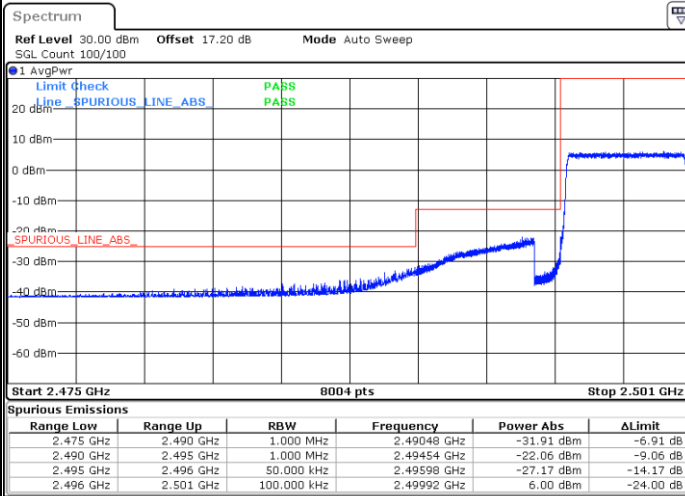
Date: 16.MAY.2024 23:03:47

Highest Band Edge / 1 RB



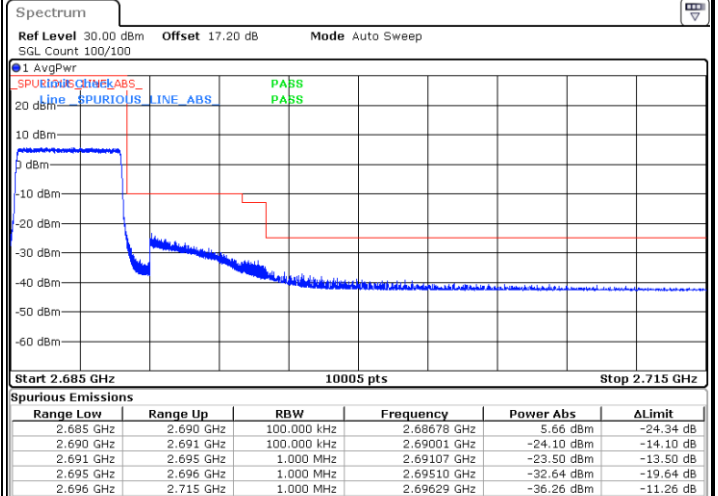
Date: 16.MAY.2024 23:26:45

Lowest Band Edge / Full RB



Date: 16.MAY.2024 23:09:31

Highest Band Edge / Full RB

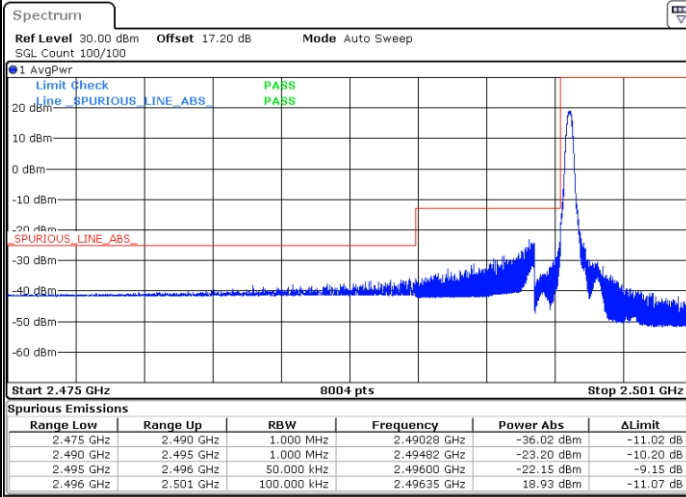


Date: 16.MAY.2024 23:21:37



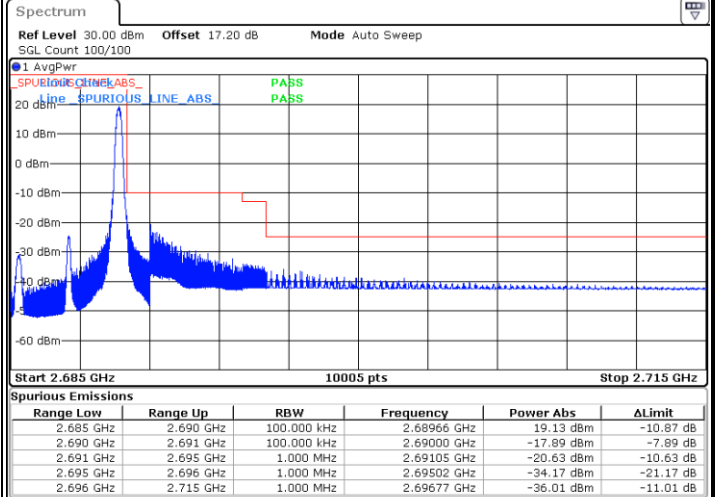
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



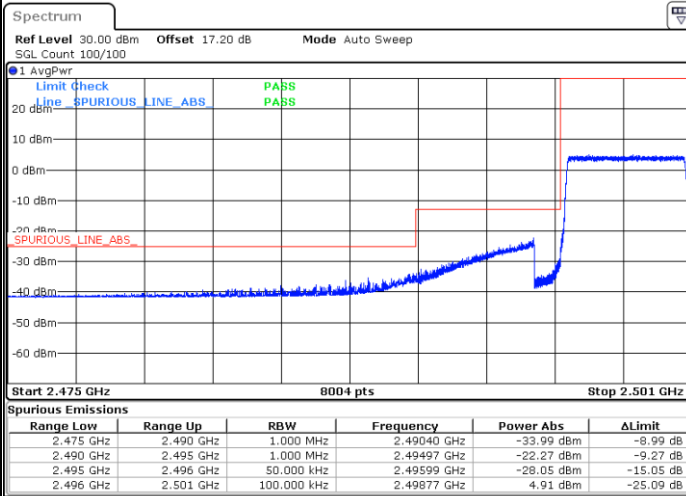
Date: 16.MAY.2024 23:04:50

Highest Band Edge / 1 RB



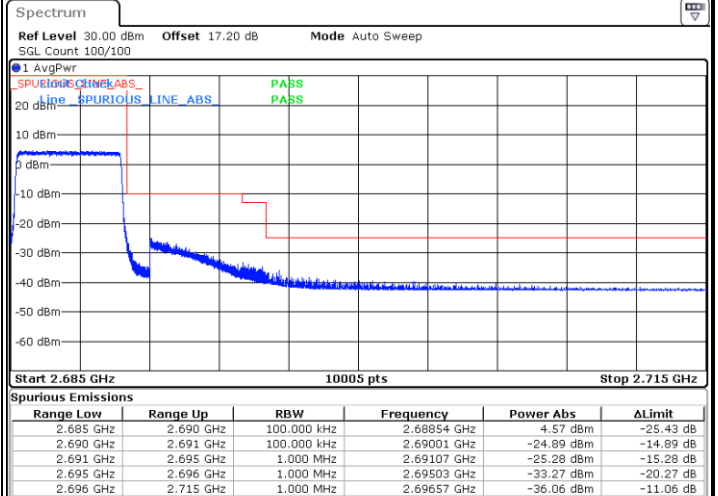
Date: 16.MAY.2024 23:28:01

Lowest Band Edge / Full RB



Date: 16.MAY.2024 23:10:35

Highest Band Edge / Full RB

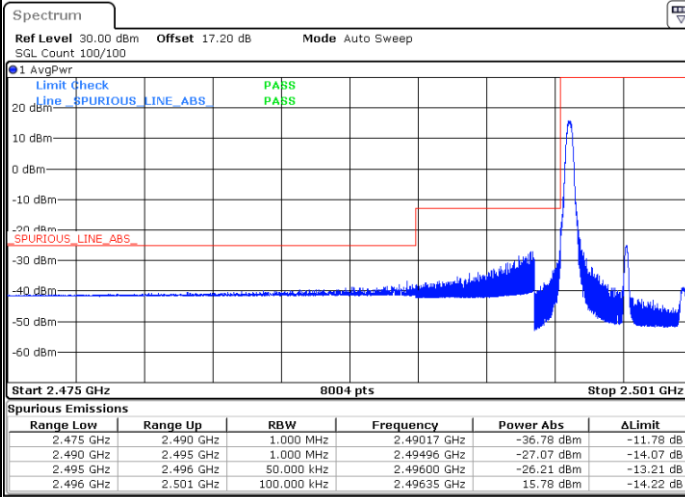


Date: 16.MAY.2024 23:22:54



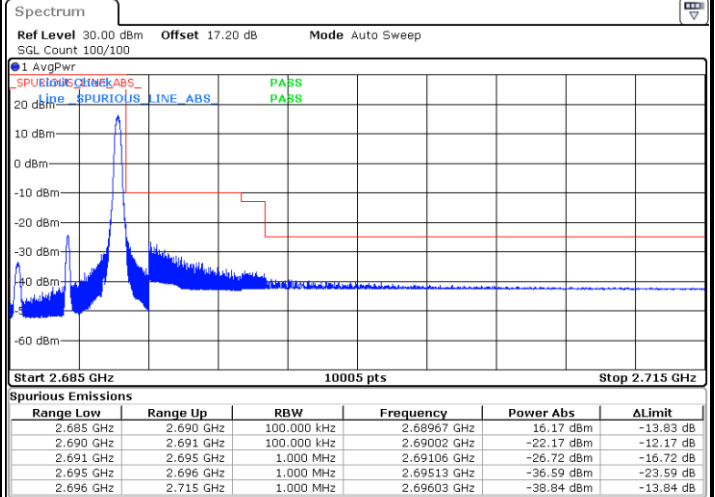
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



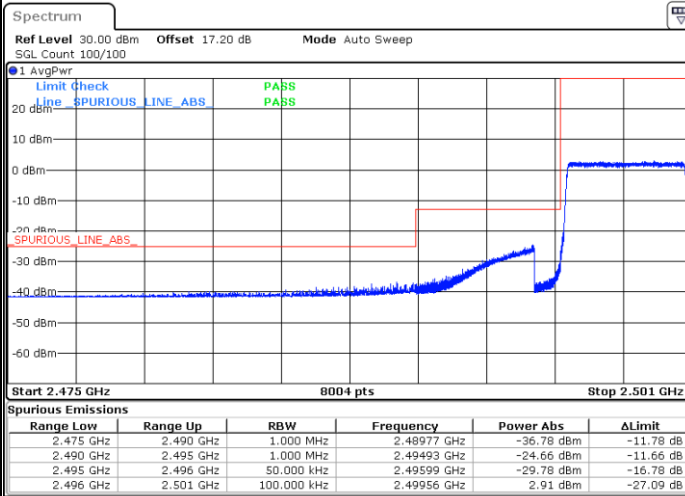
Date: 16.MAY.2024 23:05:56

Highest Band Edge / 1 RB



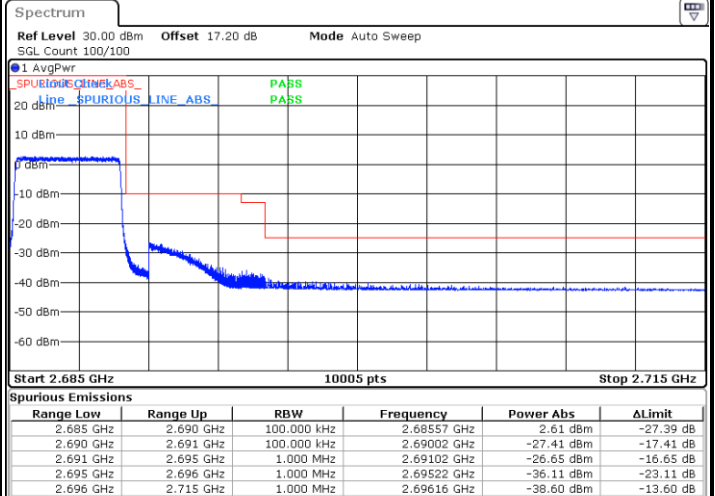
Date: 16.MAY.2024 23:29:18

Lowest Band Edge / Full RB



Date: 16.MAY.2024 23:11:39

Highest Band Edge / Full RB



Date: 16.MAY.2024 23:24:09