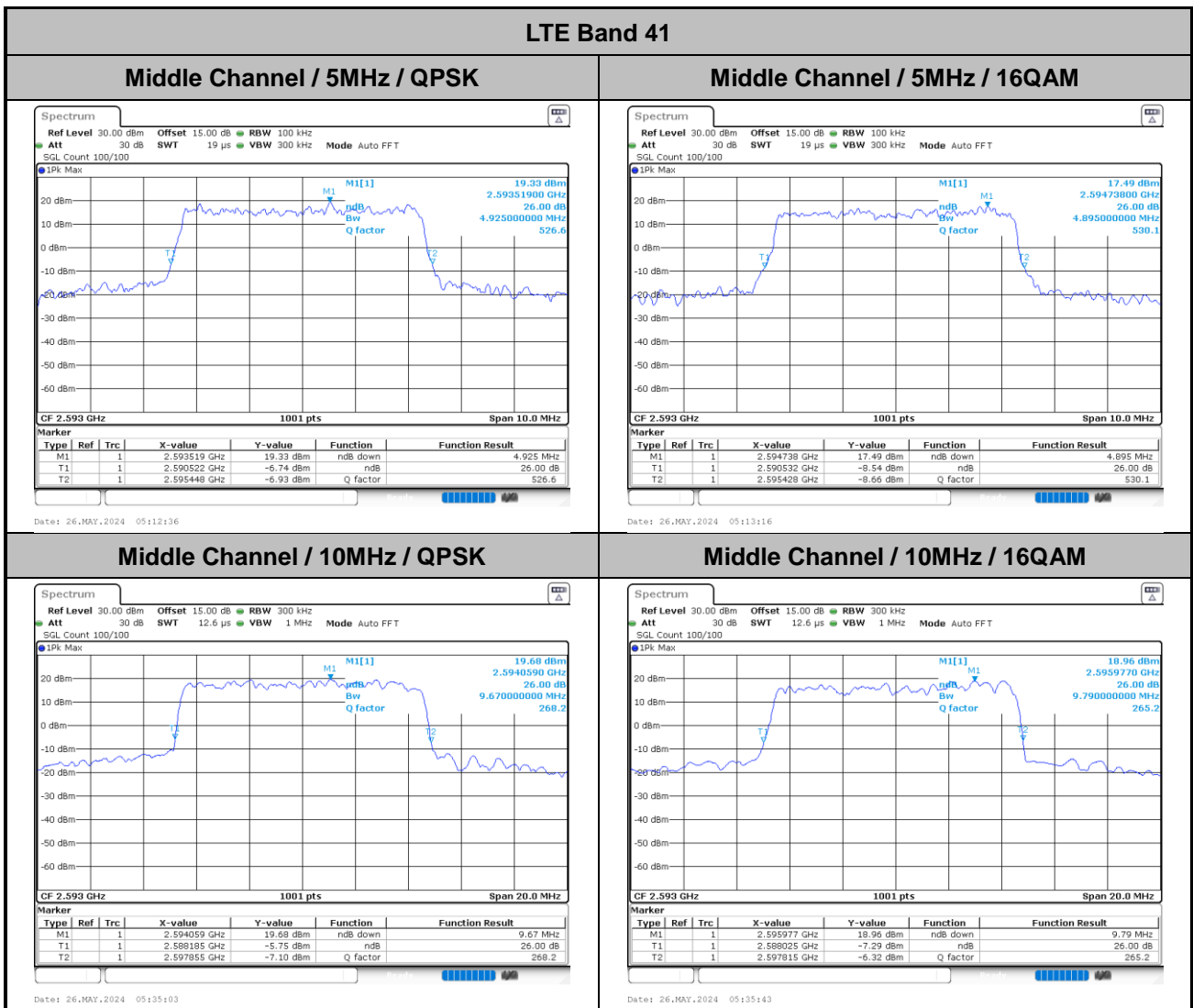




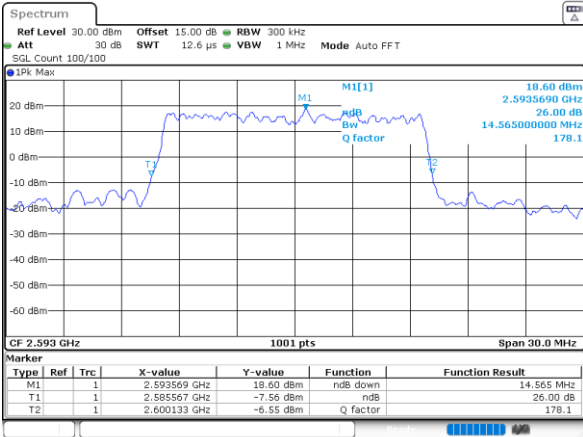
# 26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.93	4.90	9.67	9.79	14.57	14.60	19.10	18.98



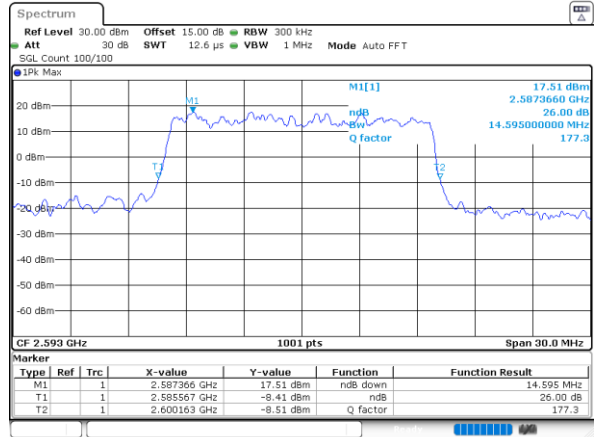


Middle Channel / 15MHz / QPSK



Date: 26.MAY.2024 05:57:31

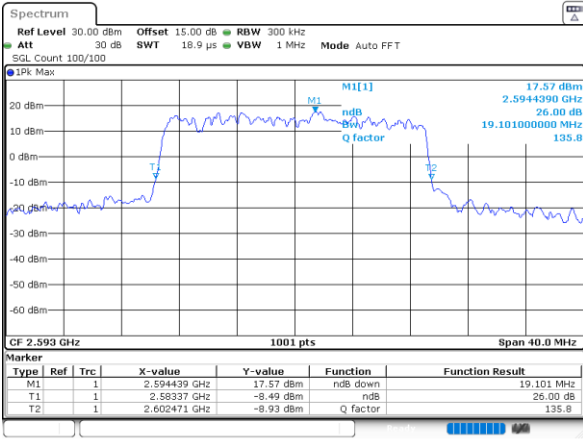
Middle Channel / 15MHz / 16QAM



Date: 26.MAY.2024 05:58:11

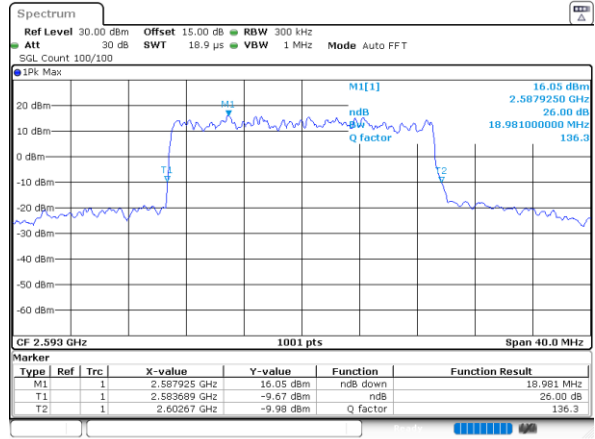
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 26.MAY.2024 06:19:59

Middle Channel / 20MHz / 16QAM

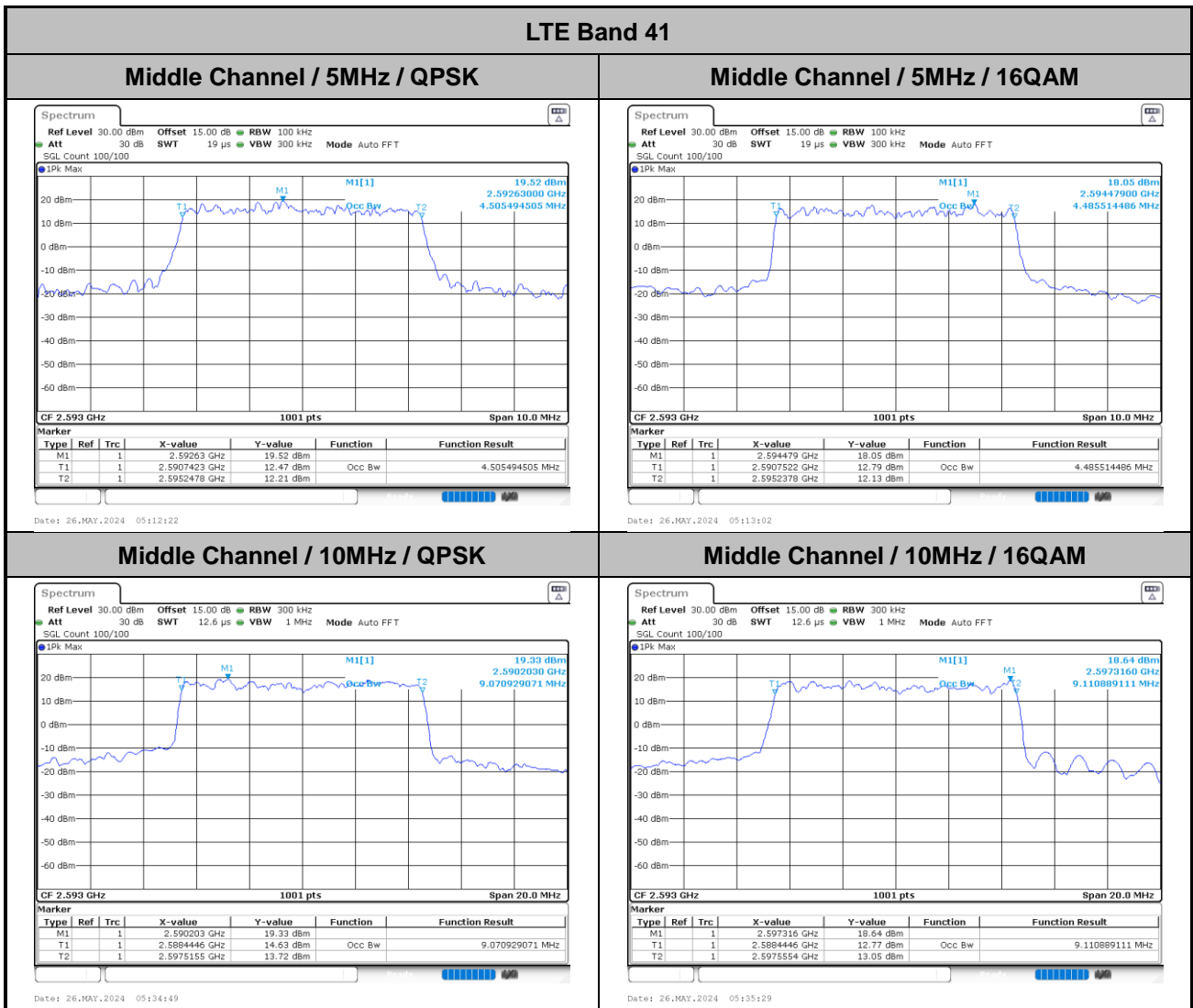


Date: 26.MAY.2024 06:20:39



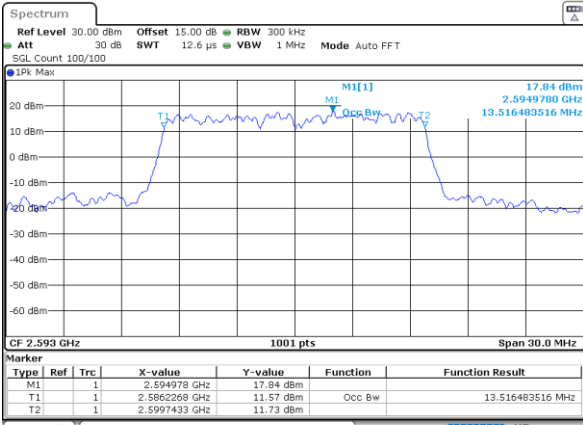
# Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.51	4.49	9.07	9.11	13.52	13.46	17.94	17.86



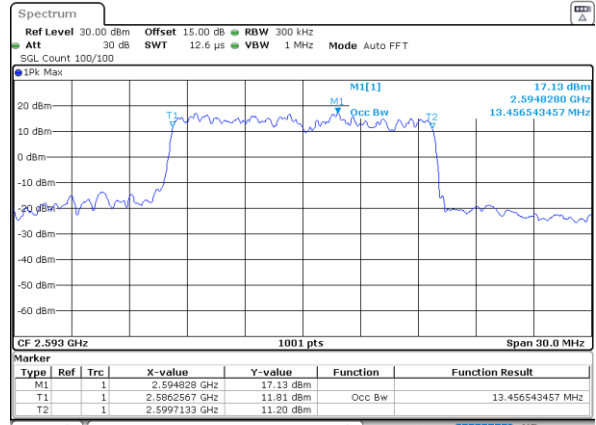


Middle Channel / 15MHz / QPSK



Date: 26.MAY.2024 05:57:17

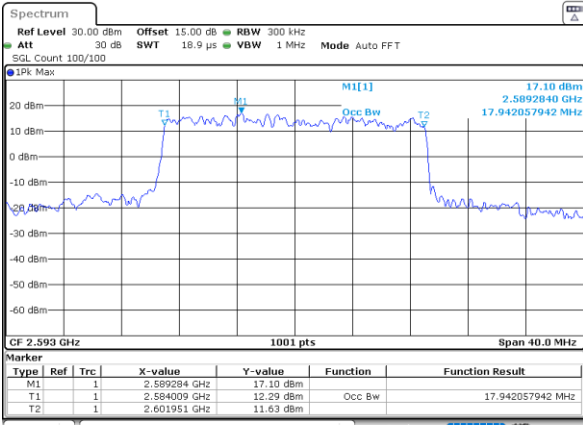
Middle Channel / 15MHz / 16QAM



Date: 26.MAY.2024 05:57:57

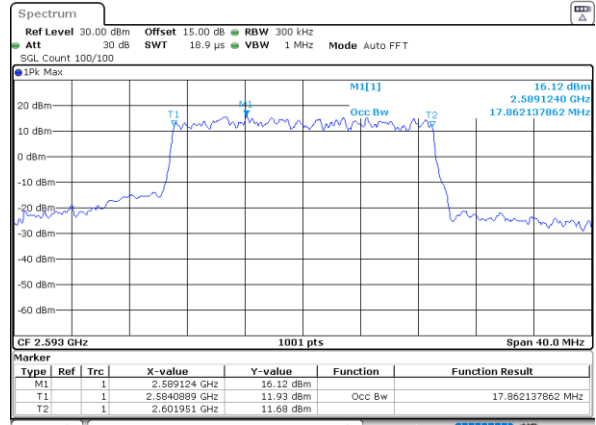
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 26.MAY.2024 06:19:45

Middle Channel / 20MHz / 16QAM



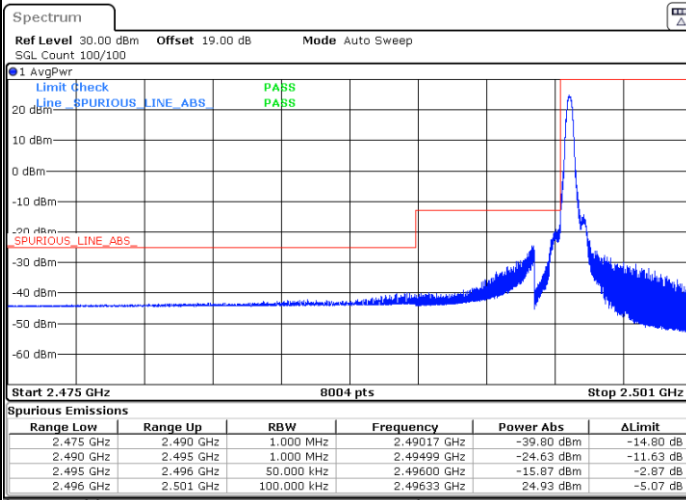
Date: 26.MAY.2024 06:20:25



# Conducted Band Edge

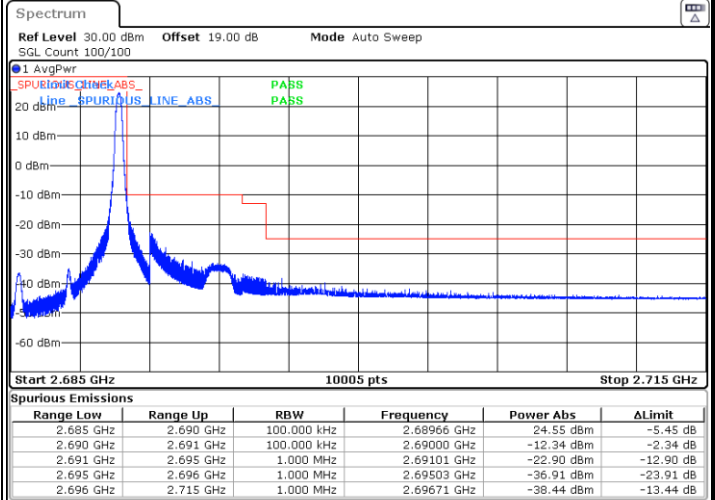
## LTE Band 41 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



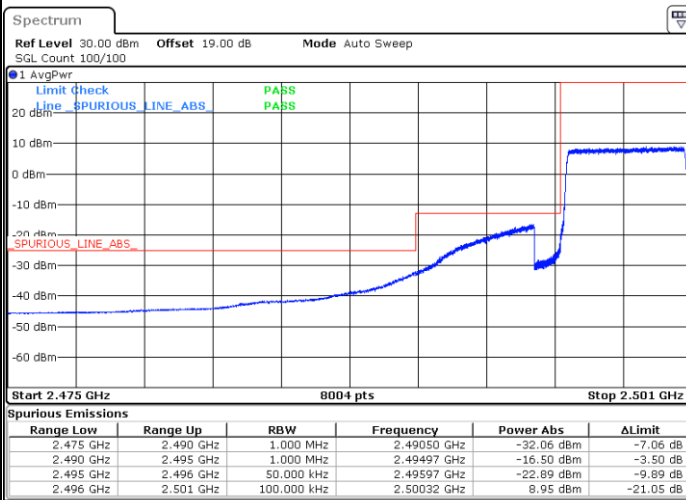
Date: 26.MAY.2024 05:02:22

### Highest Band Edge / 1 RB



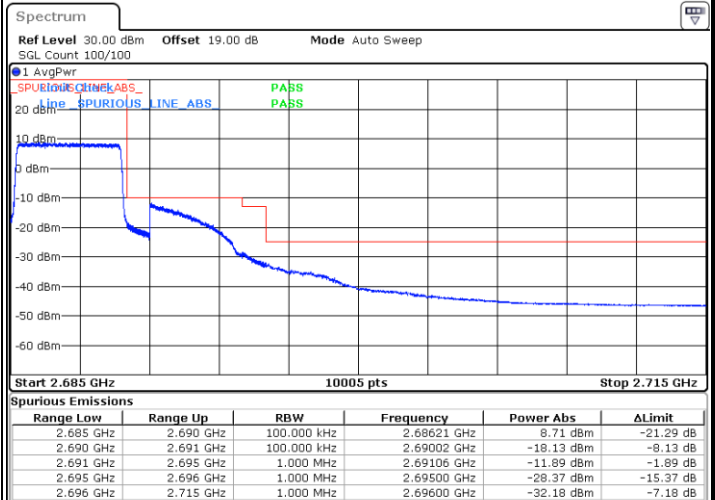
Date: 26.MAY.2024 05:14:36

### Lowest Band Edge / Full RB



Date: 26.MAY.2024 05:02:22

### Highest Band Edge / Full RB

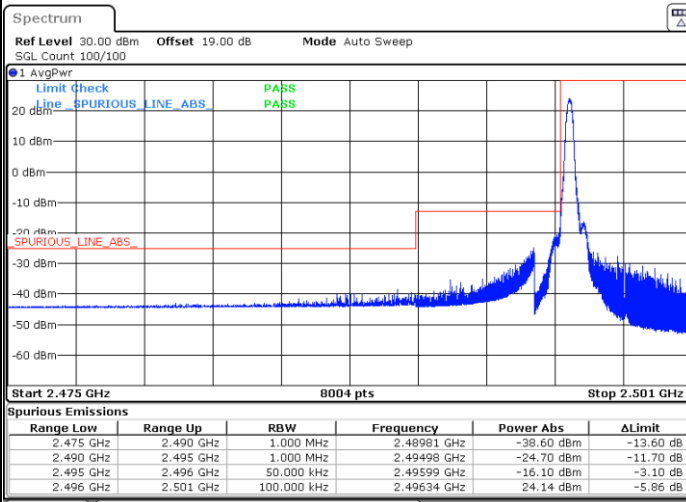


Date: 26.MAY.2024 05:14:36

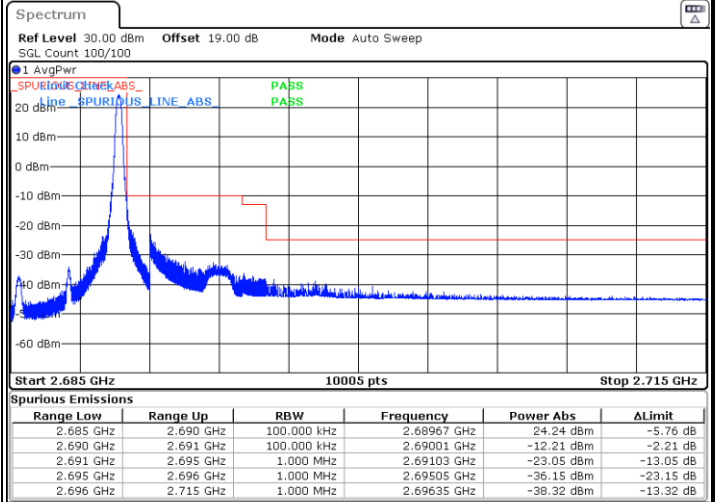


LTE Band 41 / 5MHz / 16QAM

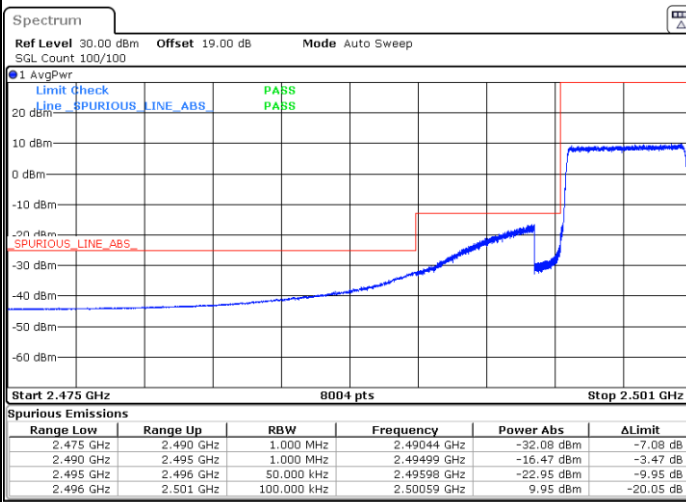
Lowest Band Edge / 1RB



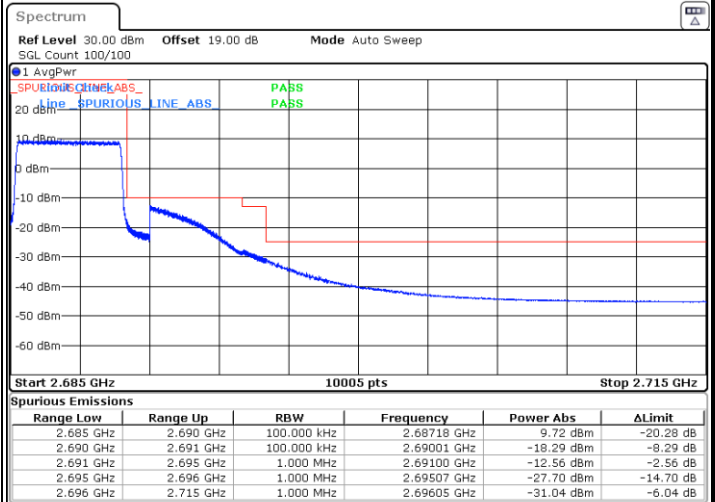
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



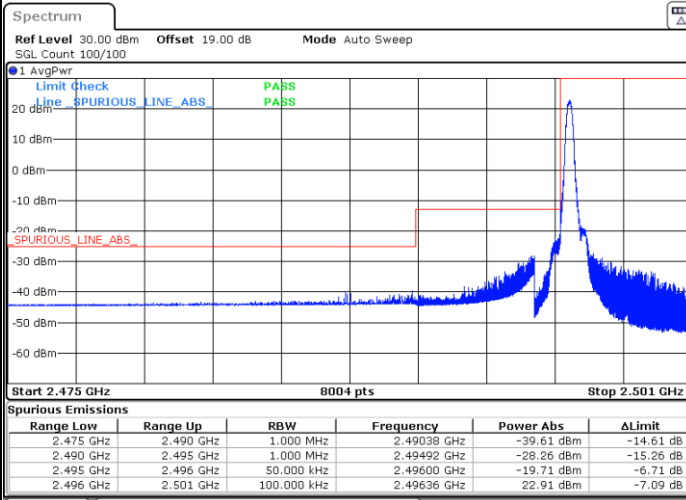
Highest Band Edge / Full RB





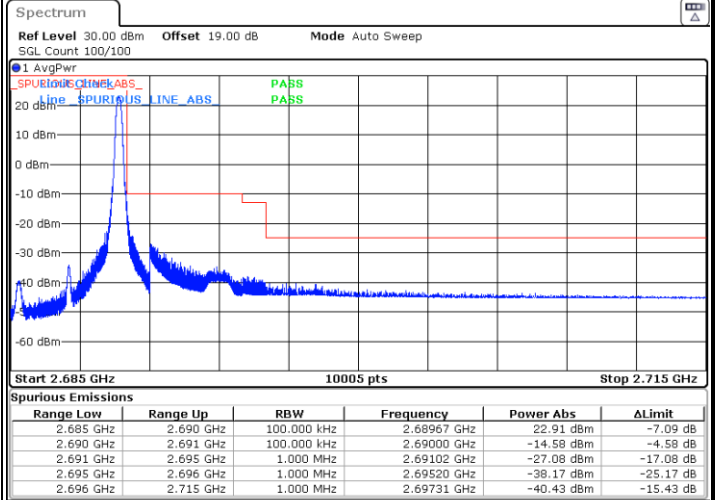
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



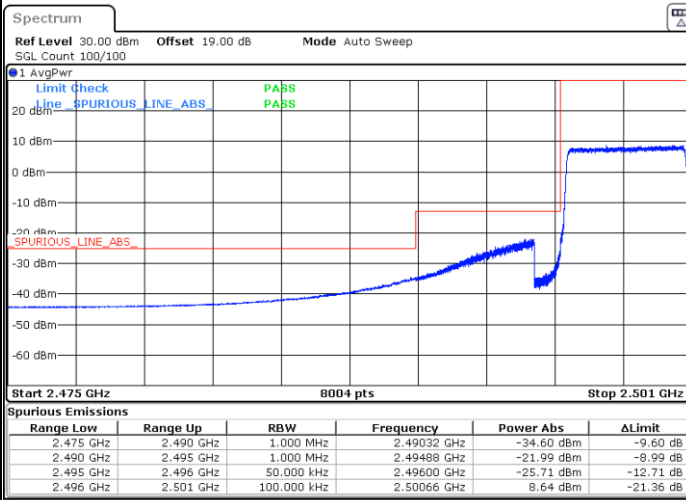
Date: 26.MAY.2024 05:05:06

Highest Band Edge / 1 RB



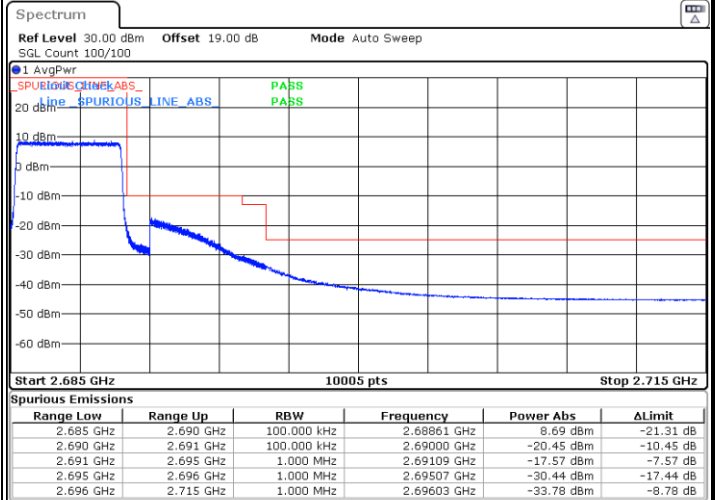
Date: 26.MAY.2024 05:17:19

Lowest Band Edge / Full RB



Date: 26.MAY.2024 05:06:29

Highest Band Edge / Full RB

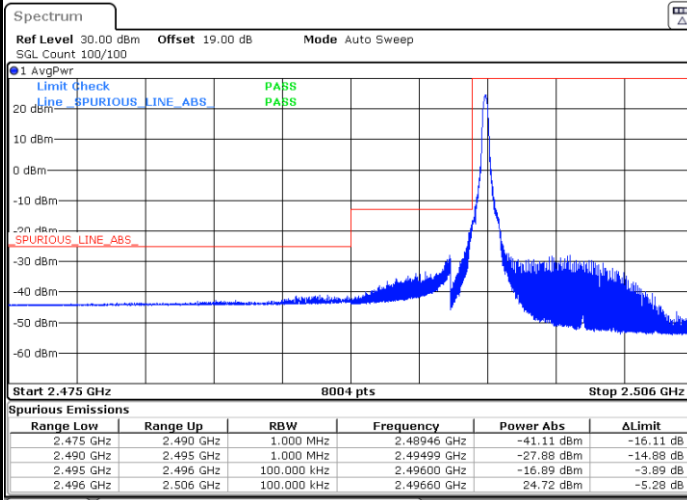


Date: 26.MAY.2024 05:18:41



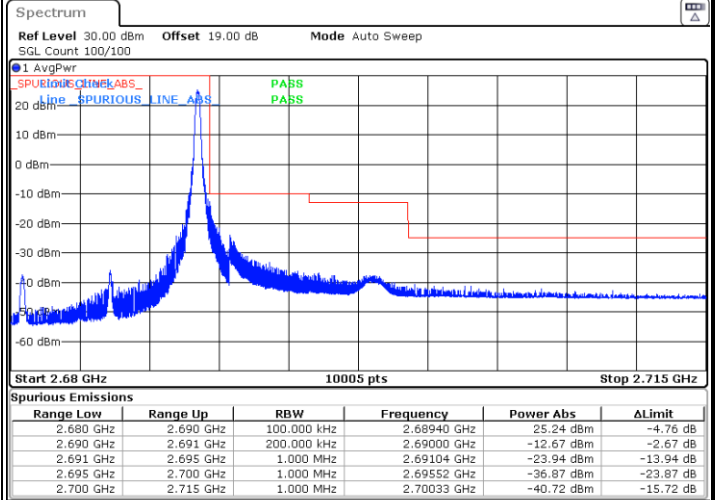
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



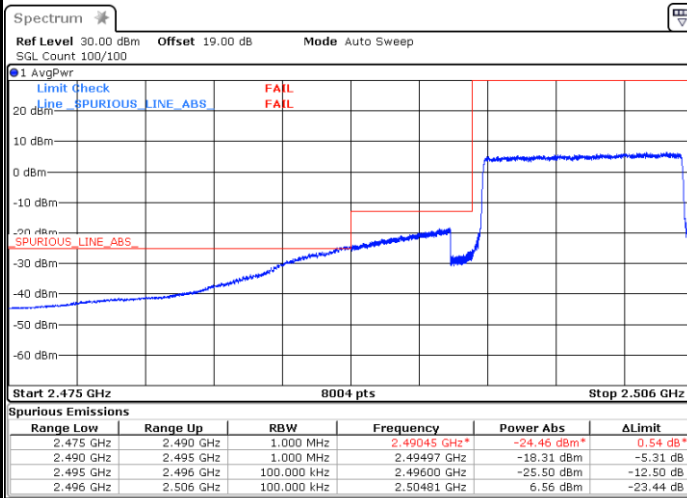
Date: 26.MAY.2024 05:24:50

Highest Band Edge / 1 RB



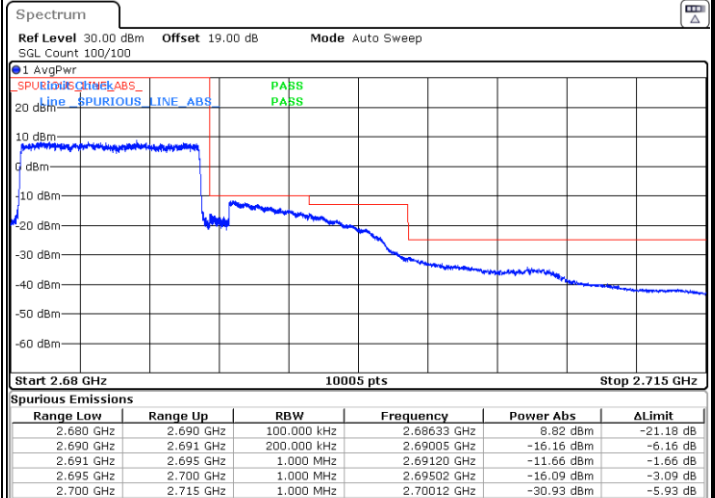
Date: 26.MAY.2024 05:37:03

Lowest Band Edge / Full RB

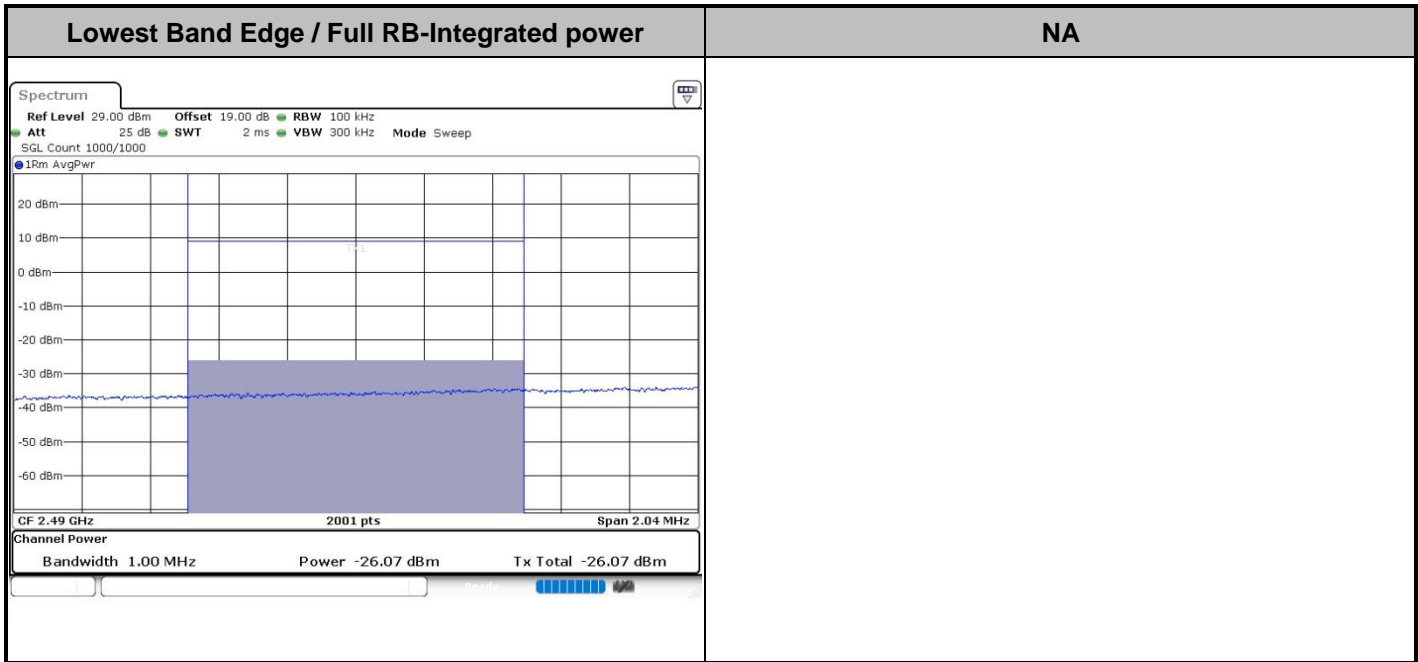


Date: 26.MAY.2024 05:43:52

Highest Band Edge / Full RB



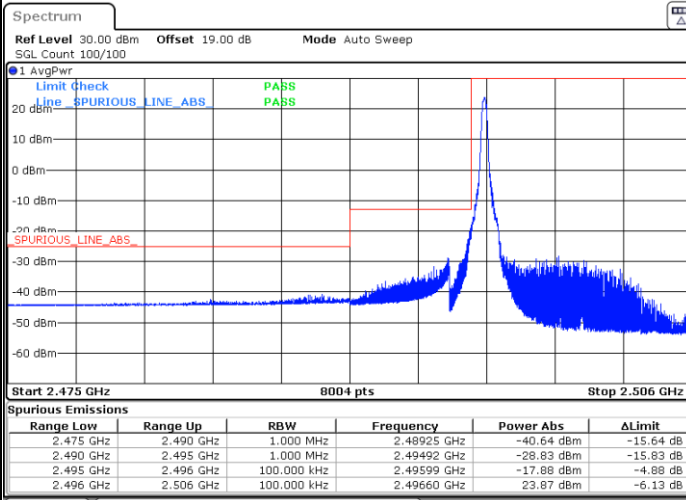






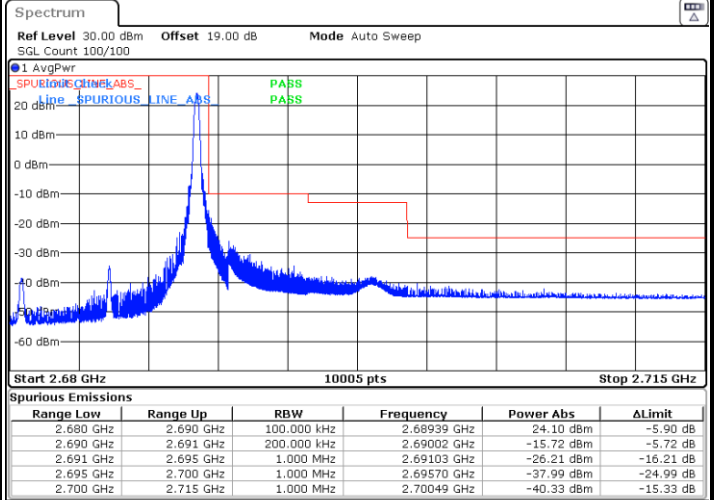
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



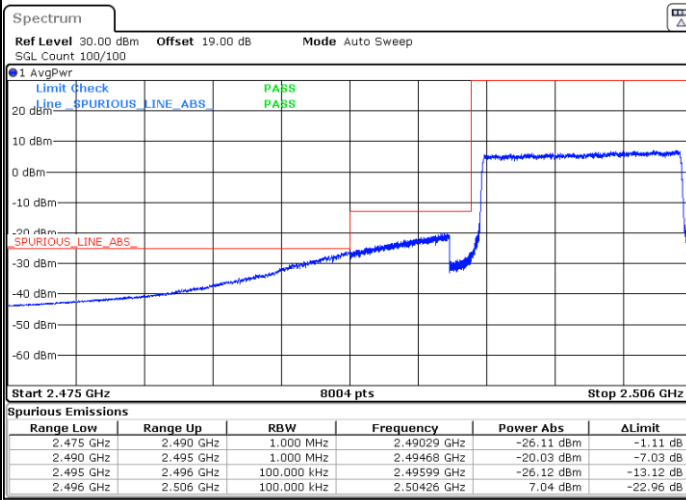
Date: 26.MAY.2024 05:26:12

Highest Band Edge / 1 RB



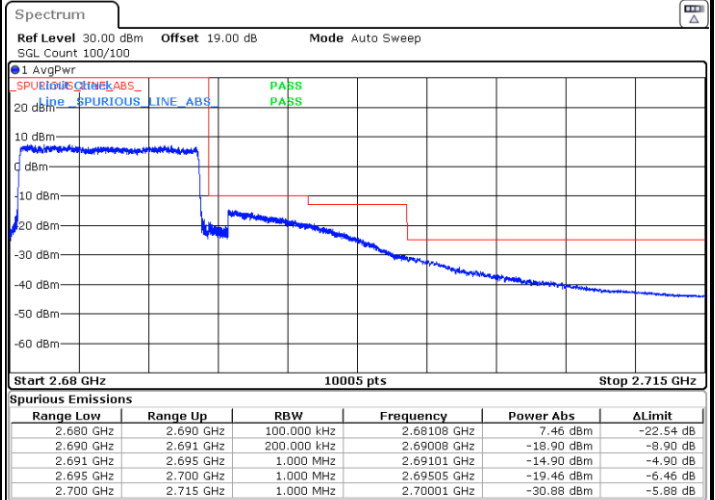
Date: 26.MAY.2024 05:38:25

Lowest Band Edge / Full RB



Date: 26.MAY.2024 05:30:19

Highest Band Edge / Full RB

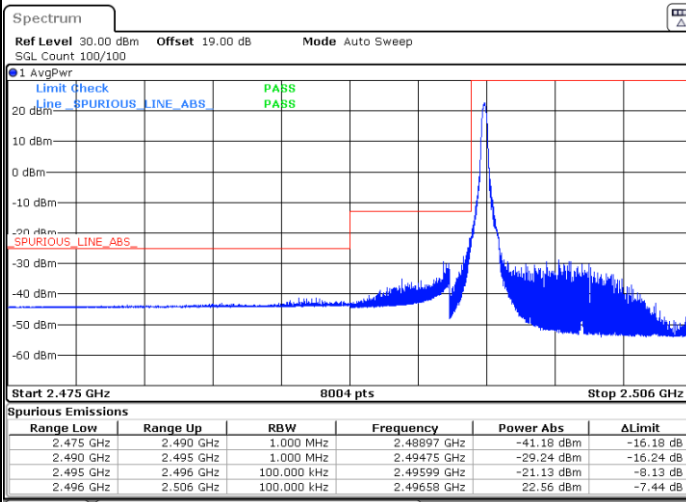


Date: 26.MAY.2024 05:42:30



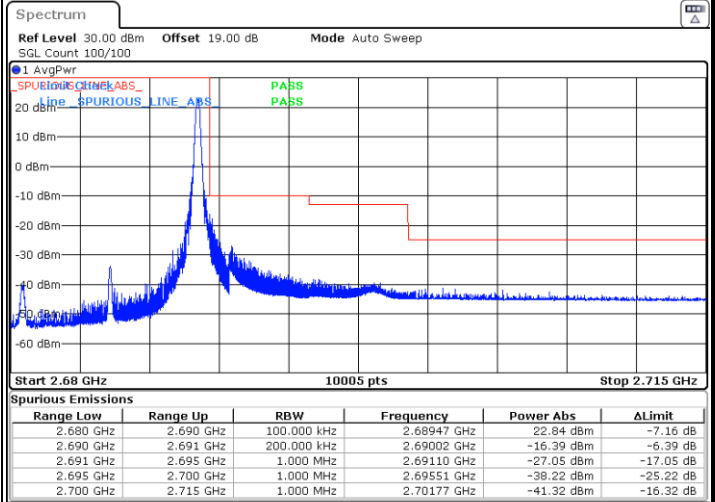
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



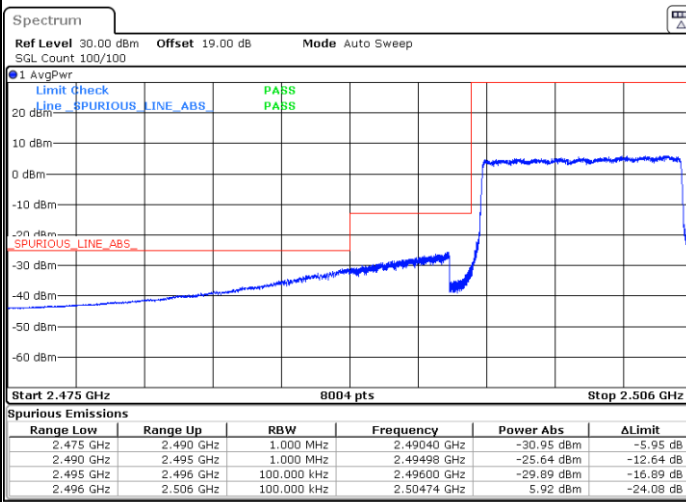
Date: 26.MAY.2024 05:27:34

Highest Band Edge / 1 RB



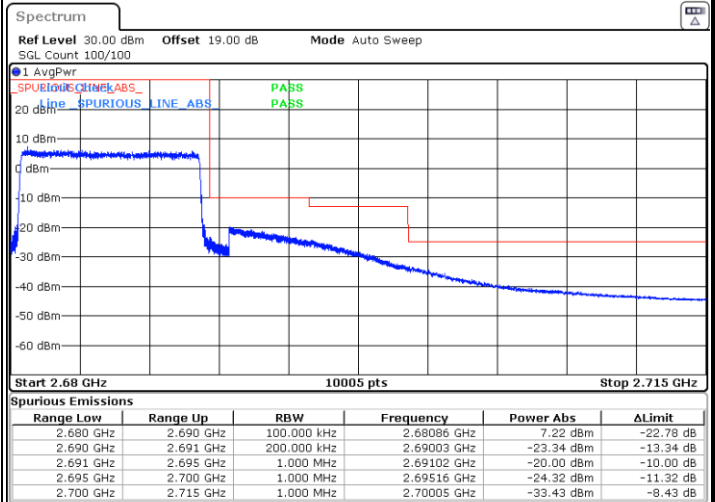
Date: 26.MAY.2024 05:39:47

Lowest Band Edge / Full RB



Date: 26.MAY.2024 05:28:56

Highest Band Edge / Full RB

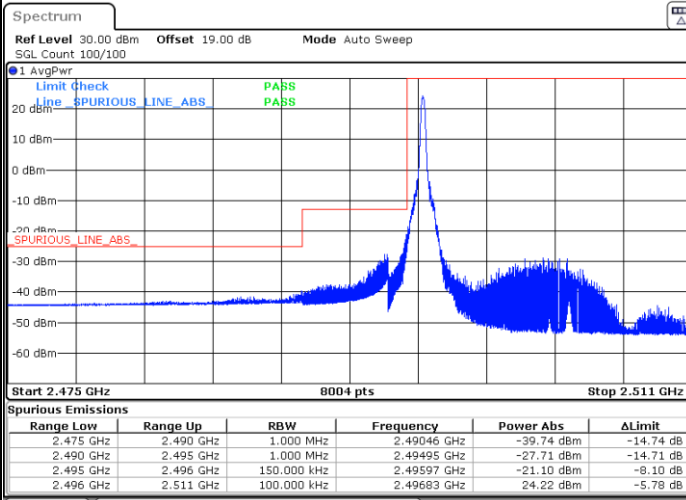


Date: 26.MAY.2024 05:41:09



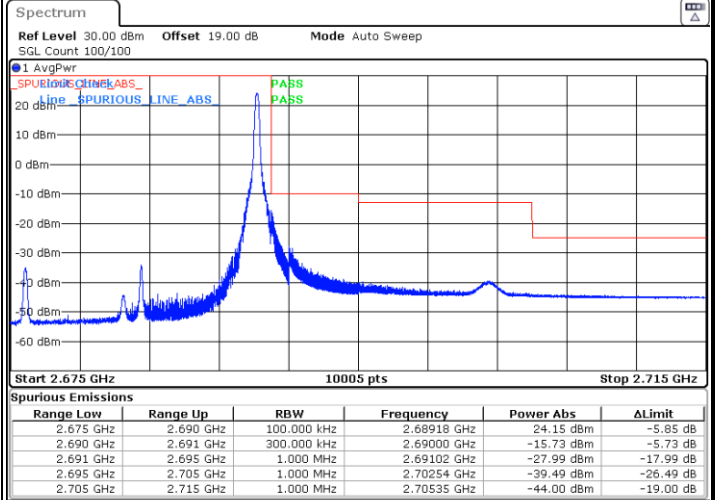
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



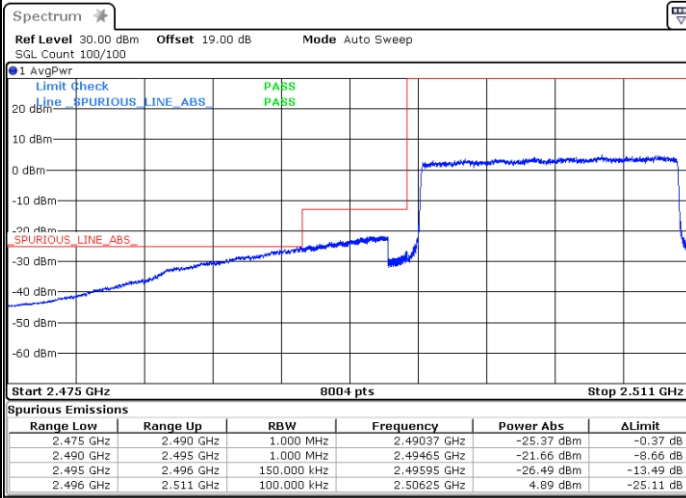
Date: 26.MAY.2024 05:47:18

Highest Band Edge / 1 RB



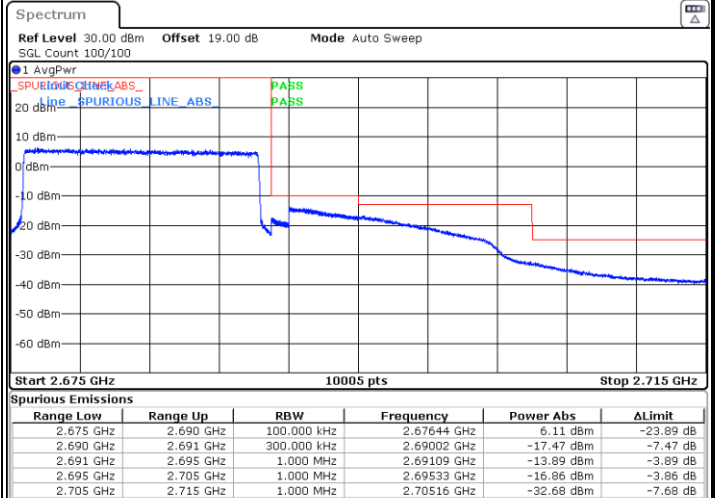
Date: 26.MAY.2024 05:59:31

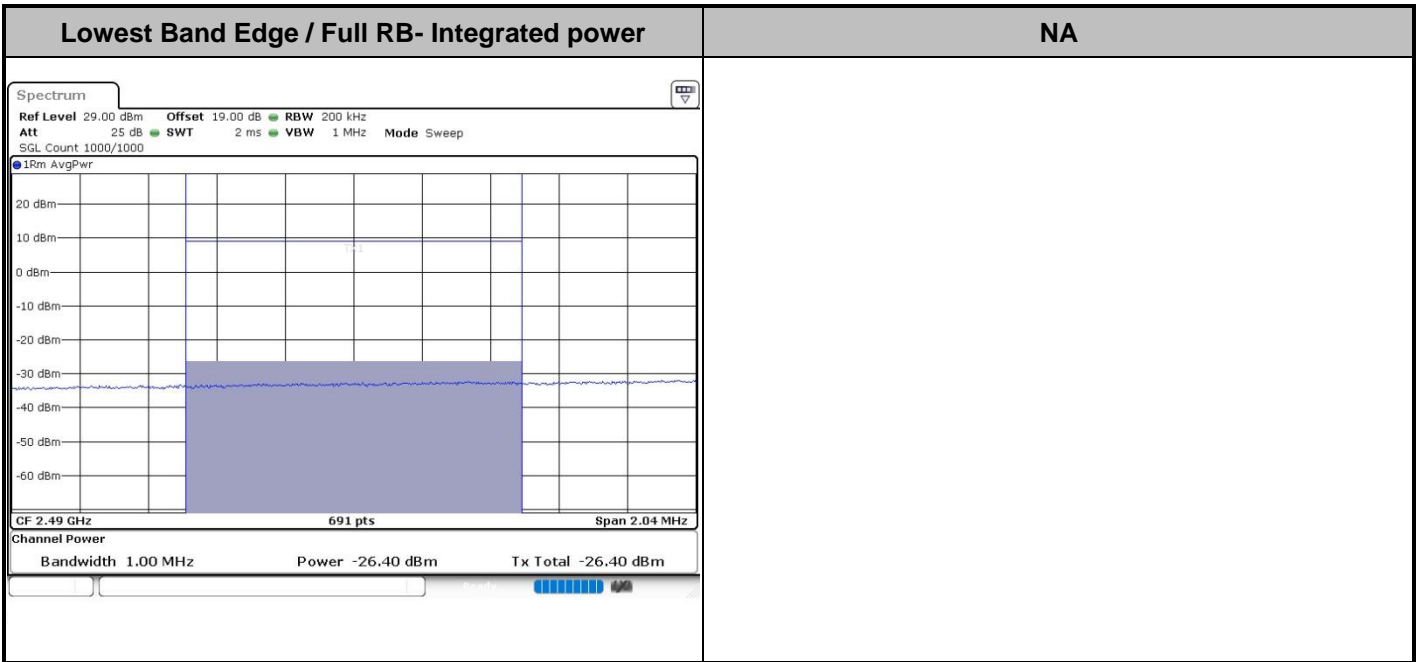
Lowest Band Edge / Full RB



Date: 26.MAY.2024 06:06:20

Highest Band Edge / Full RB

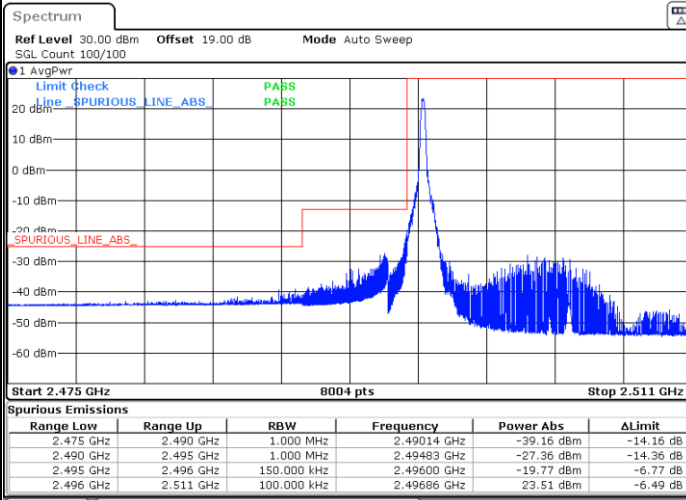






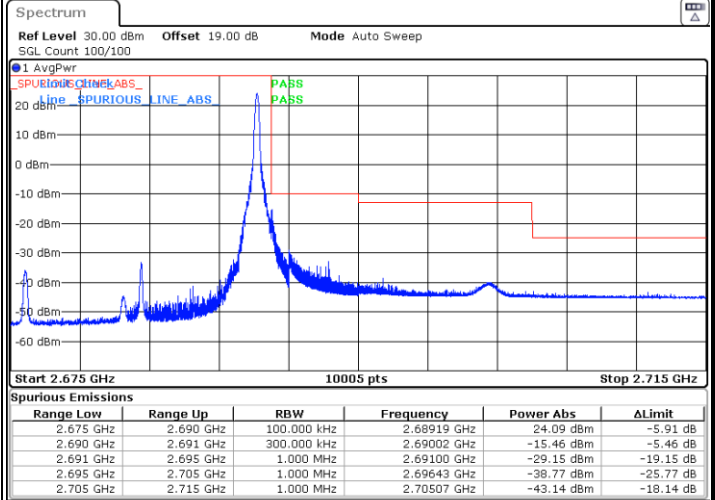
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



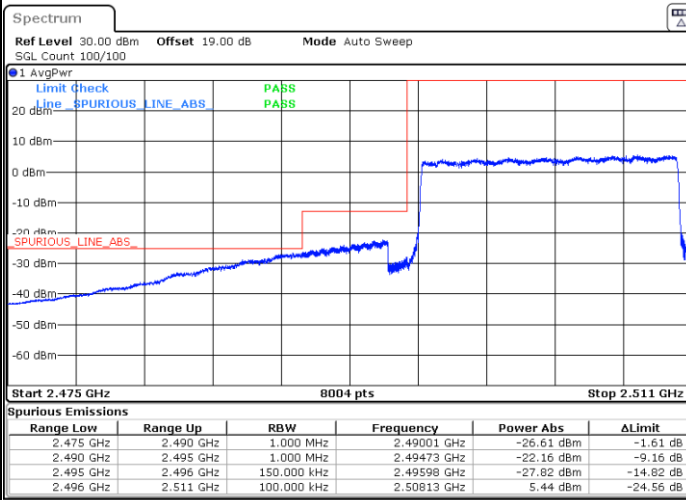
Date: 26.MAY.2024 05:48:40

Highest Band Edge / 1 RB



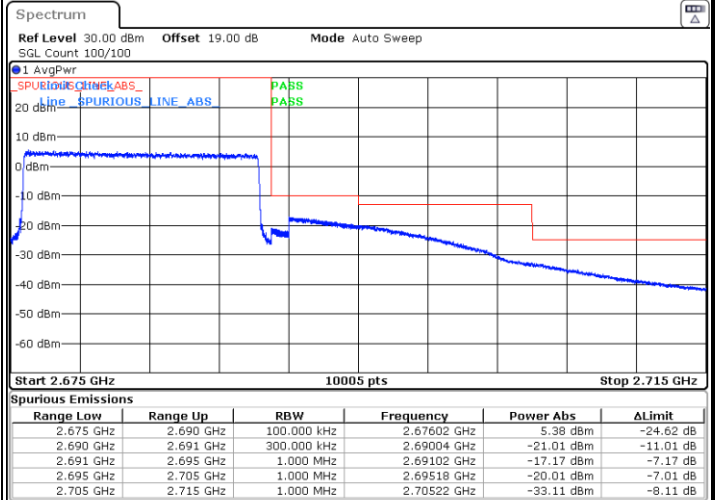
Date: 26.MAY.2024 06:00:53

Lowest Band Edge / Full RB



Date: 26.MAY.2024 05:52:47

Highest Band Edge / Full RB

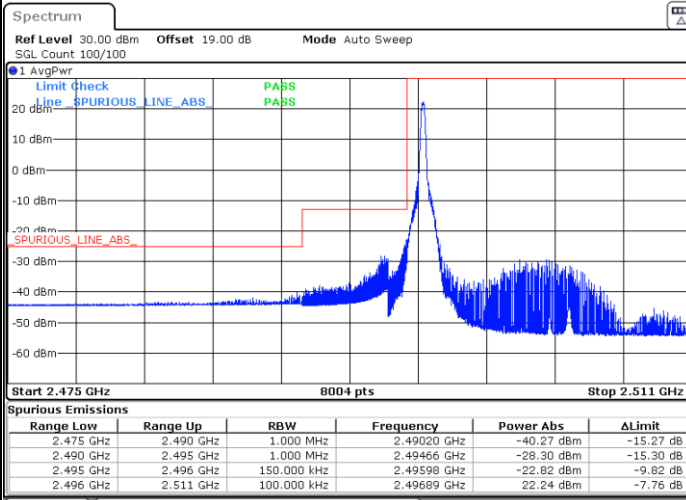


Date: 26.MAY.2024 06:04:58



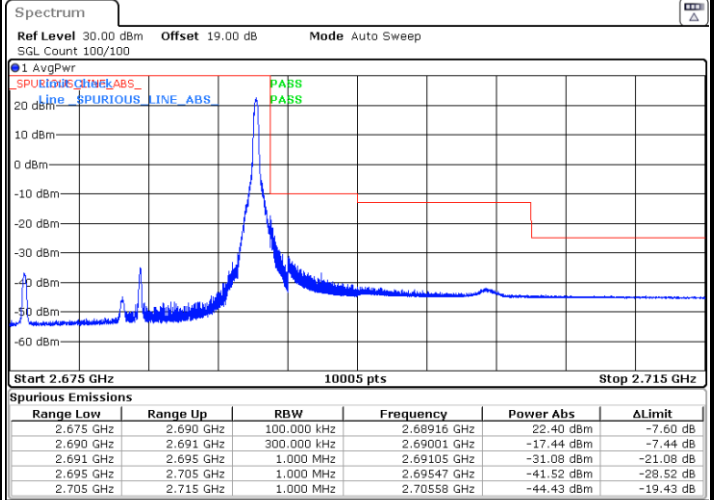
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



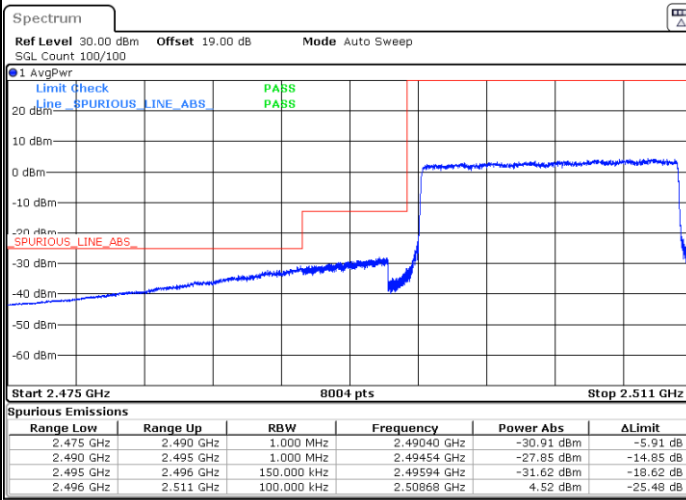
Date: 26.MAY.2024 05:50:03

Highest Band Edge / 1 RB



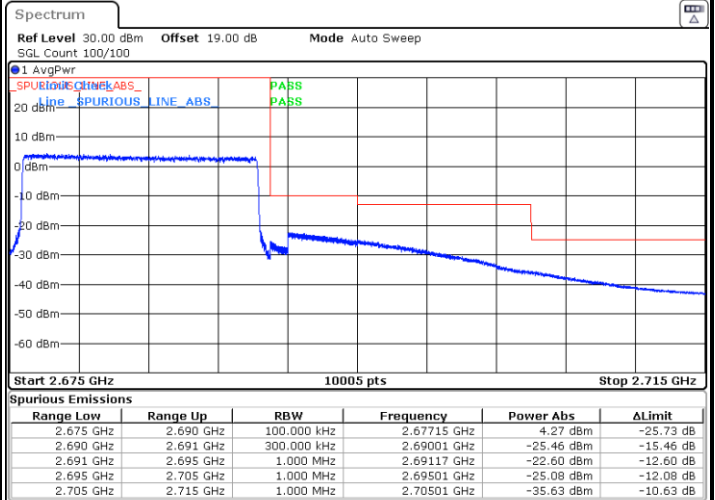
Date: 26.MAY.2024 06:02:15

Lowest Band Edge / Full RB



Date: 26.MAY.2024 05:51:25

Highest Band Edge / Full RB

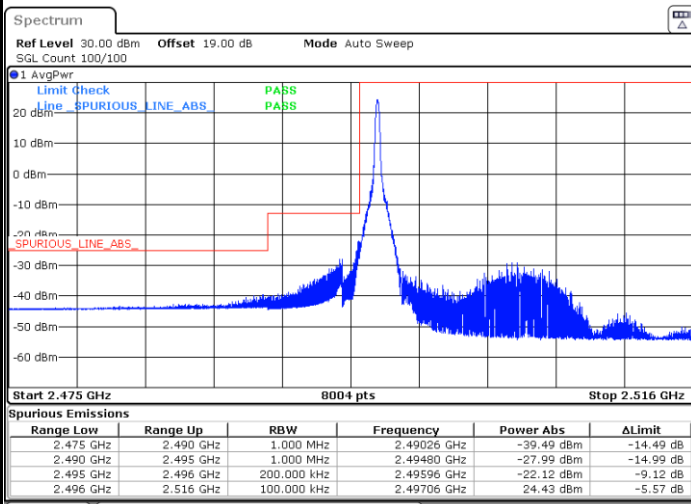


Date: 26.MAY.2024 06:03:37



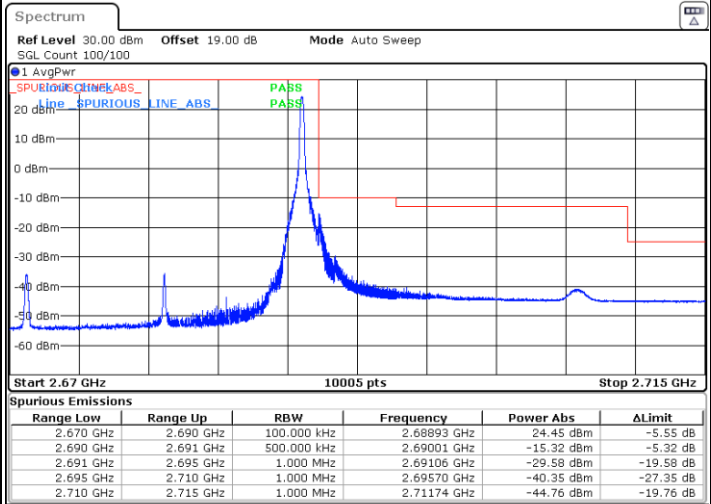
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



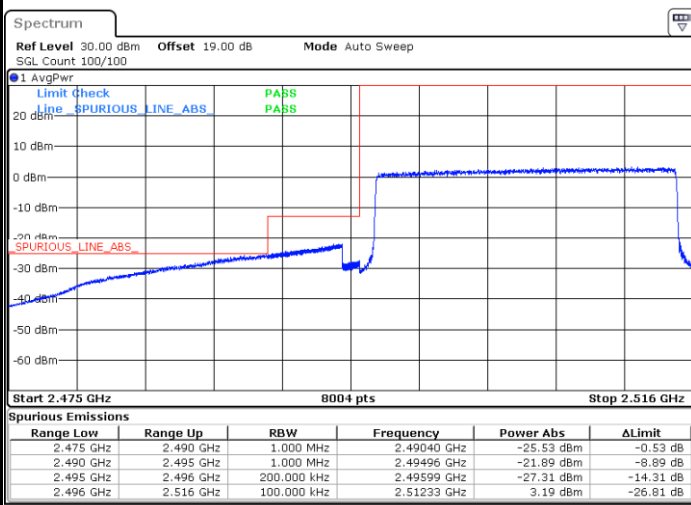
Date: 26.MAY.2024 06:09:46

Highest Band Edge / 1 RB



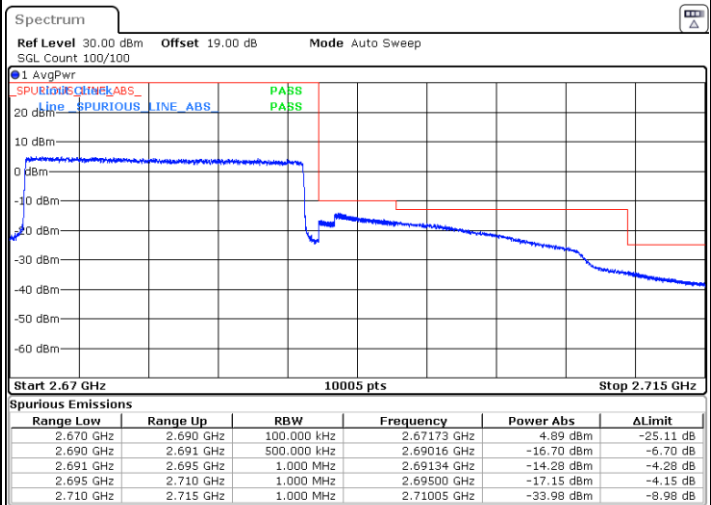
Date: 26.MAY.2024 06:23:20

Lowest Band Edge / Full RB



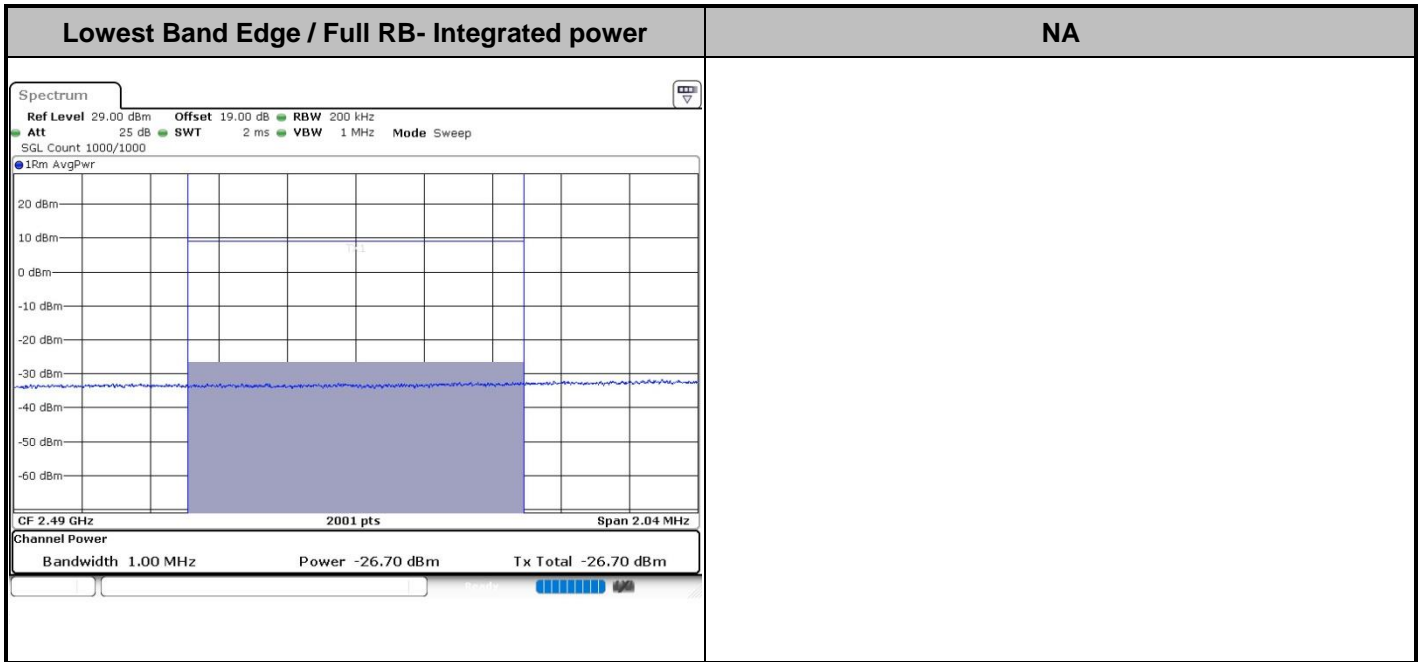
Date: 26.MAY.2024 06:30:09

Highest Band Edge / Full RB



Date: 26.MAY.2024 06:30:09

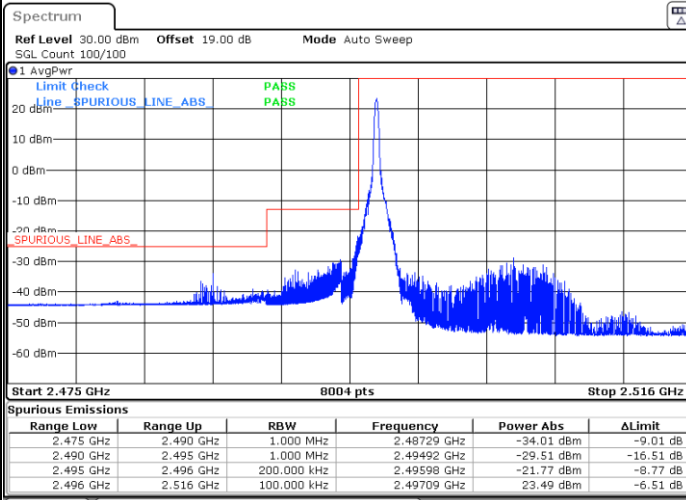






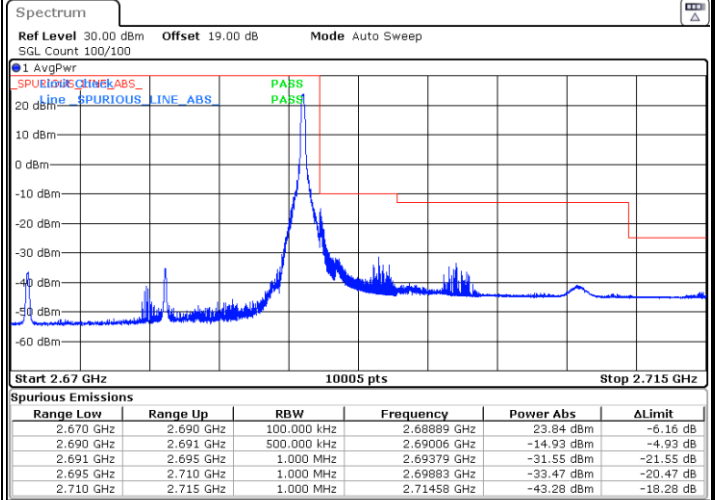
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



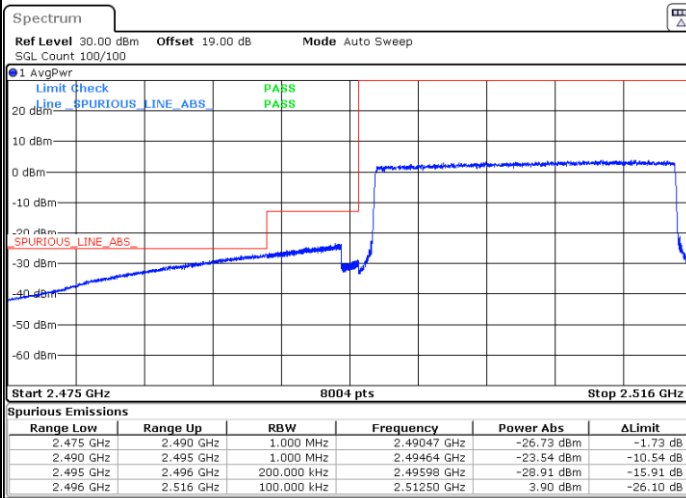
Date: 26.MAY.2024 06:11:08

Highest Band Edge / 1 RB



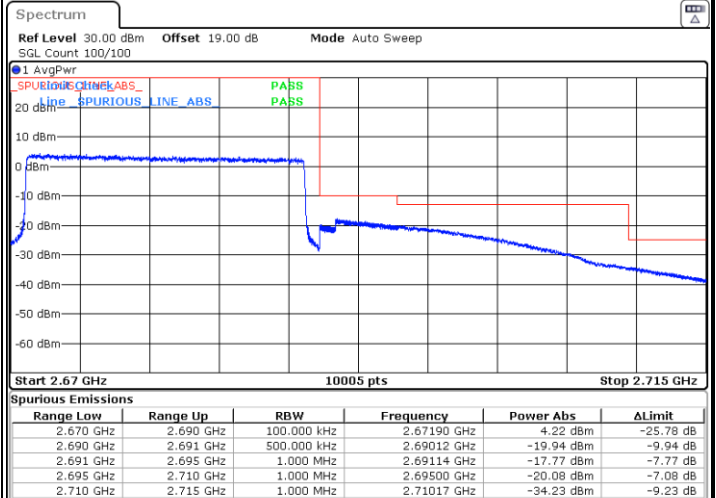
Date: 26.MAY.2024 06:24:42

Lowest Band Edge / Full RB



Date: 26.MAY.2024 06:15:14

Highest Band Edge / Full RB

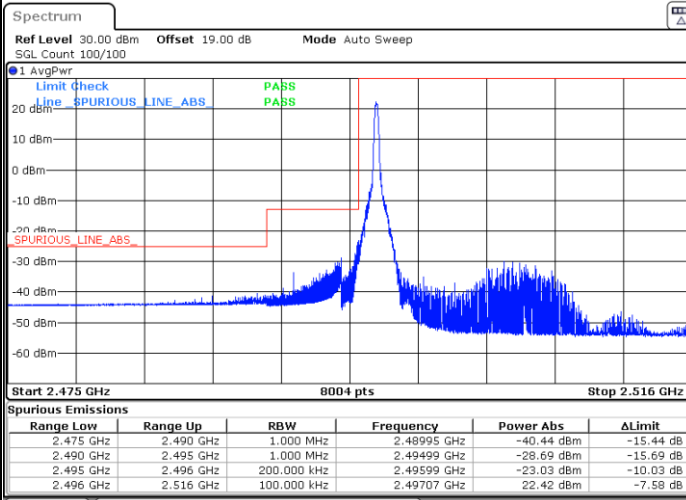


Date: 26.MAY.2024 06:28:47



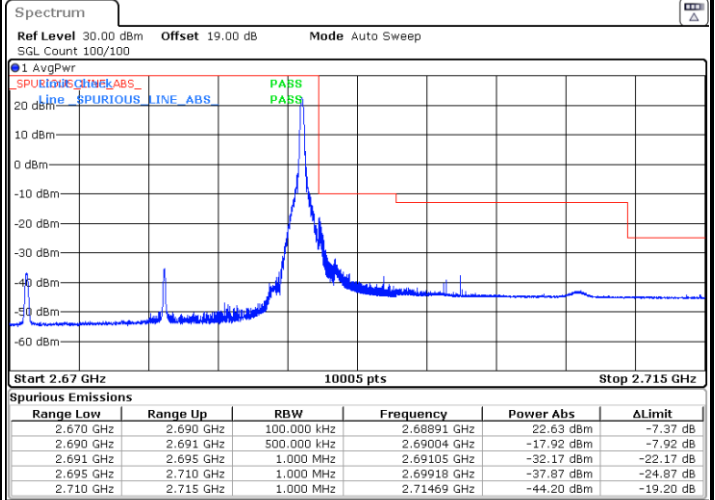
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



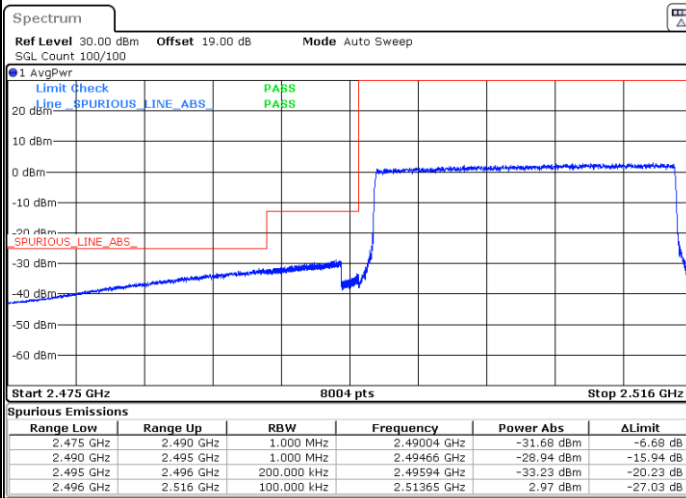
Date: 26.MAY.2024 06:12:30

Highest Band Edge / 1 RB



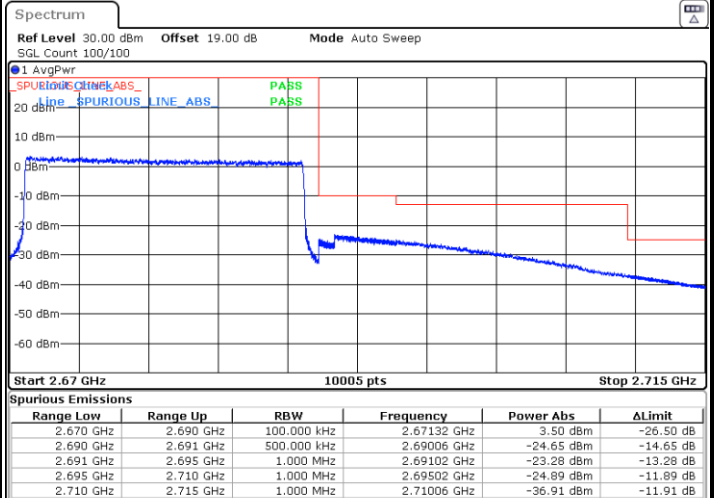
Date: 26.MAY.2024 06:26:04

Lowest Band Edge / Full RB



Date: 26.MAY.2024 06:13:52

Highest Band Edge / Full RB



Date: 26.MAY.2024 06:27:25

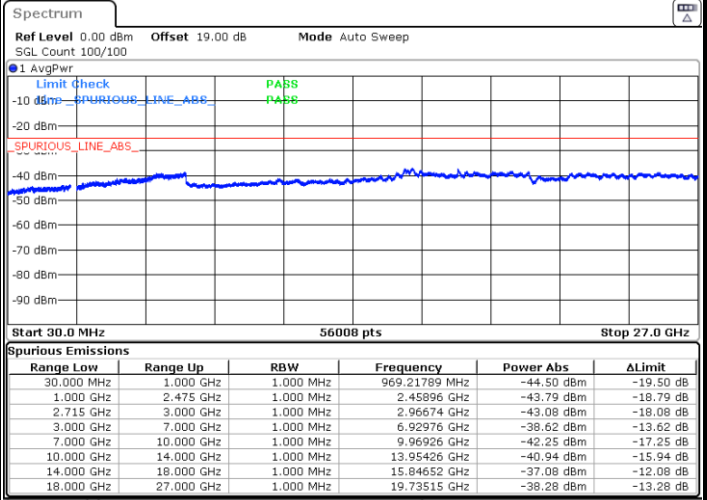
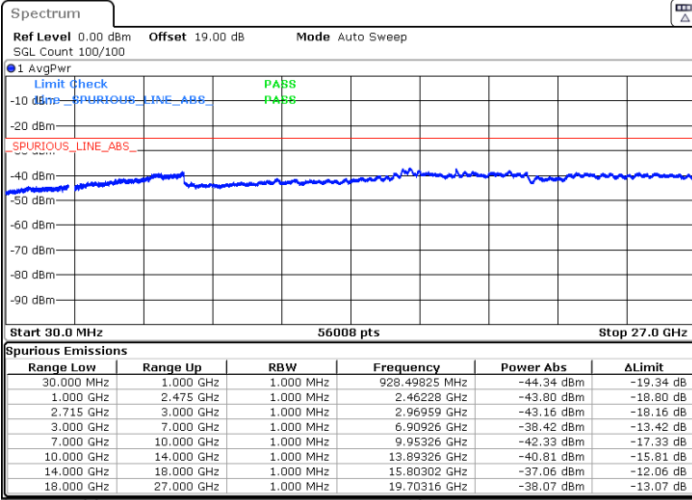


# Conducted Spurious Emission

## LTE Band 41 / 5MHz

### Lowest Channel / QPSK

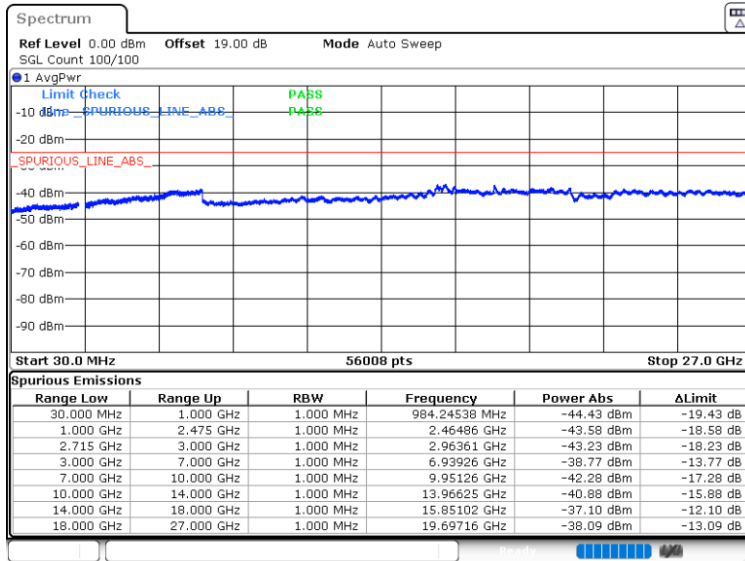
### Middle Channel / QPSK



Date: 26.MAY.2024 05:10:34

Date: 26.MAY.2024 05:11:55

### Highest Channel / QPSK



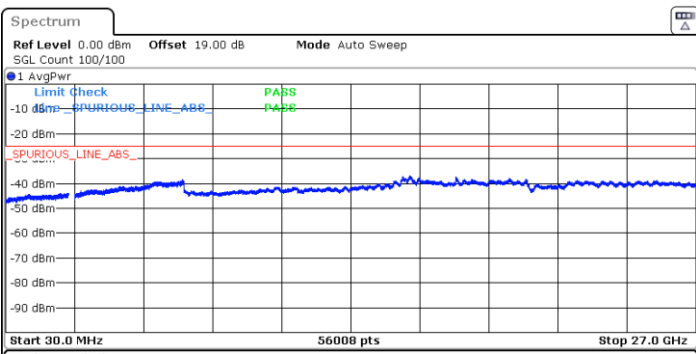
Date: 26.MAY.2024 05:22:44



LTE Band 41 / 10MHz

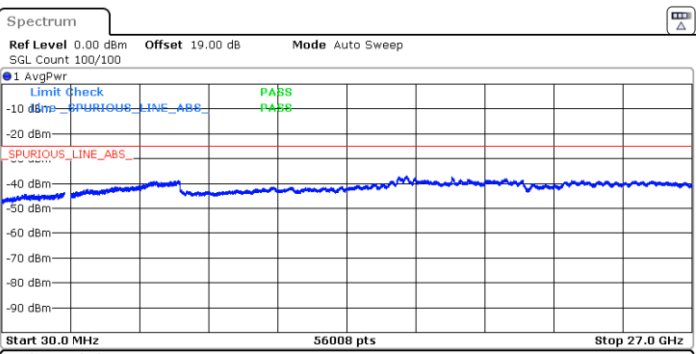
Lowest Channel / QPSK

Middle Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	919.77261 MHz	-44.52 dBm	-19.52 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46449 GHz	-43.84 dBm	-18.84 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.96261 GHz	-43.11 dBm	-18.11 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93676 GHz	-38.46 dBm	-13.46 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96026 GHz	-42.21 dBm	-17.21 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.97525 GHz	-40.93 dBm	-15.93 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.82052 GHz	-37.02 dBm	-12.02 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.70516 GHz	-38.12 dBm	-13.12 dB

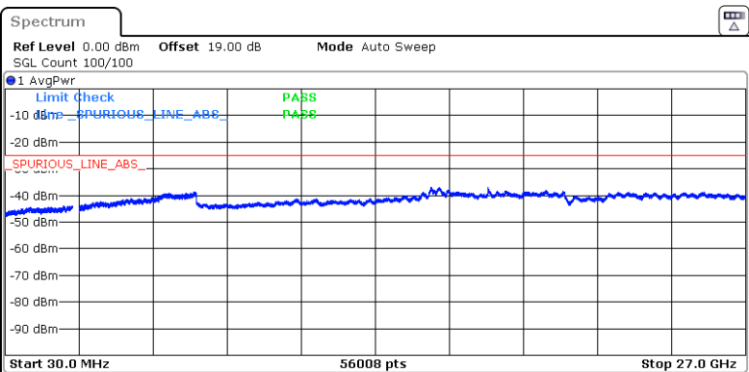
Date: 26.MAY.2024 05:33:02



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	926.55922 MHz	-44.42 dBm	-19.42 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46339 GHz	-43.70 dBm	-18.70 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.97329 GHz	-43.40 dBm	-18.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94076 GHz	-38.61 dBm	-13.61 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95476 GHz	-42.29 dBm	-17.29 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90776 GHz	-40.93 dBm	-15.93 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.85302 GHz	-36.95 dBm	-11.95 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.75465 GHz	-38.15 dBm	-13.15 dB

Date: 26.MAY.2024 05:34:22

Highest Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.33983 MHz	-44.41 dBm	-19.41 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46671 GHz	-43.87 dBm	-18.87 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.93028 GHz	-43.32 dBm	-18.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94626 GHz	-38.57 dBm	-13.57 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95126 GHz	-42.25 dBm	-17.25 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.97625 GHz	-40.96 dBm	-15.96 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.61280 GHz	-36.95 dBm	-11.95 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.73215 GHz	-38.20 dBm	-13.20 dB

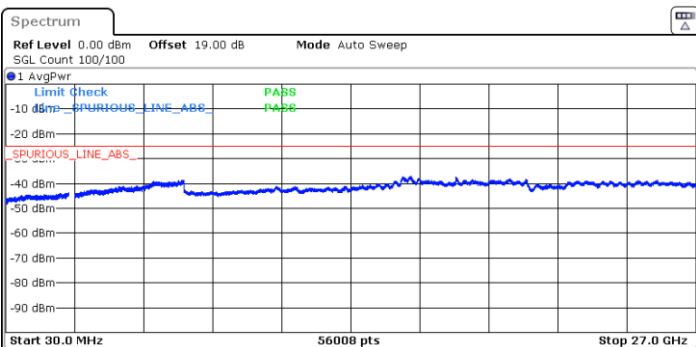
Date: 26.MAY.2024 05:45:13



LTE Band 41 / 15MHz

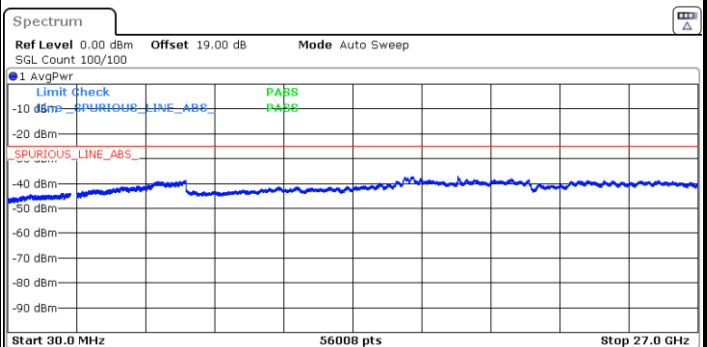
Lowest Channel / QPSK

Middle Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.88256 MHz	-44.57 dBm	-19.57 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47371 GHz	-43.83 dBm	-18.83 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.97173 GHz	-43.41 dBm	-18.41 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94576 GHz	-38.73 dBm	-13.73 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.97475 GHz	-42.27 dBm	-17.27 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.94326 GHz	-40.64 dBm	-15.64 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.87252 GHz	-37.12 dBm	-12.12 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.73915 GHz	-38.14 dBm	-13.14 dB

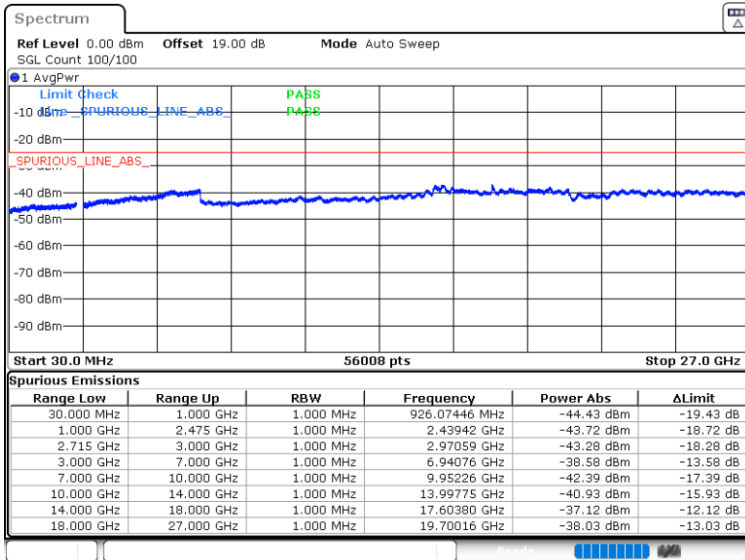
Date: 26.MAY.2024 05:55:30



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.58971 MHz	-44.31 dBm	-19.31 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45491 GHz	-43.84 dBm	-18.84 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.96446 GHz	-43.09 dBm	-18.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92376 GHz	-38.75 dBm	-13.75 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96076 GHz	-42.29 dBm	-17.29 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.91626 GHz	-40.89 dBm	-15.89 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.61980 GHz	-37.02 dBm	-12.02 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.69716 GHz	-38.18 dBm	-13.18 dB

Date: 26.MAY.2024 05:56:50

Highest Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	926.07446 MHz	-44.43 dBm	-19.43 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.43942 GHz	-43.72 dBm	-18.72 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.97059 GHz	-43.28 dBm	-18.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94076 GHz	-38.58 dBm	-13.58 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95226 GHz	-42.39 dBm	-17.39 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99775 GHz	-40.93 dBm	-15.93 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.60380 GHz	-37.12 dBm	-12.12 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.70016 GHz	-38.03 dBm	-13.03 dB

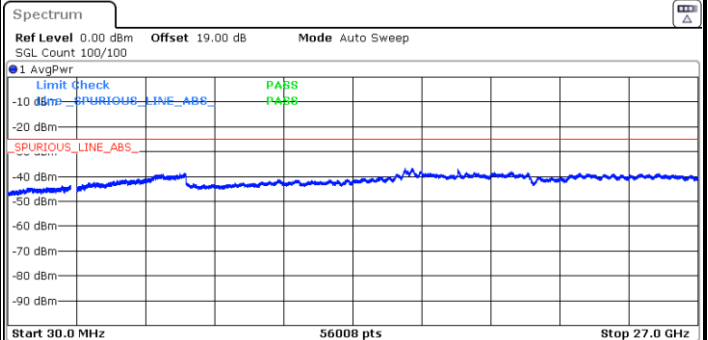
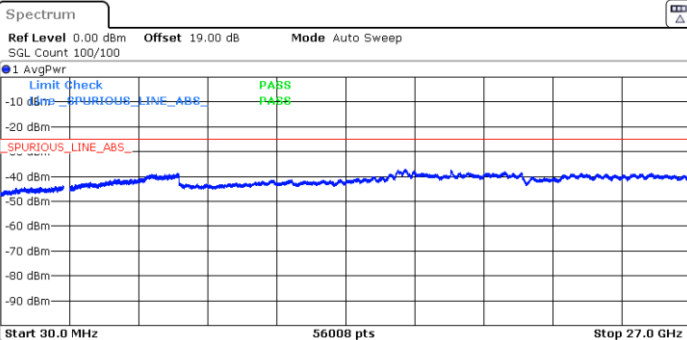
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LTE Band 41 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



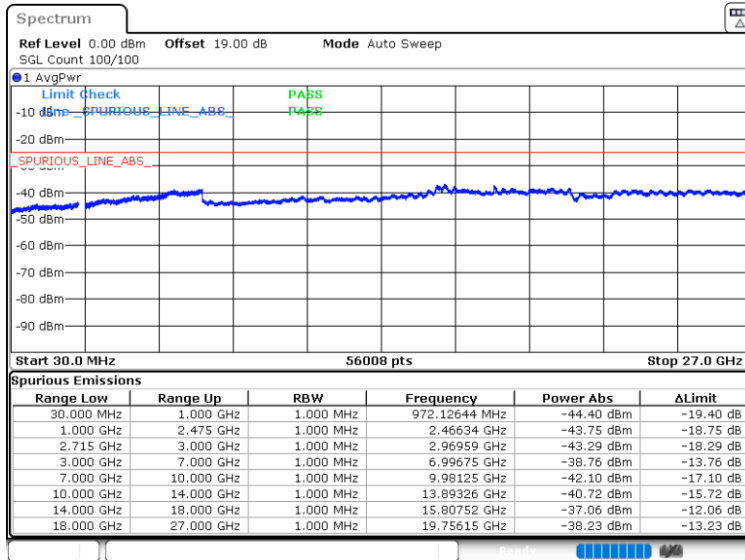
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	958.06847 MHz	-44.42 dBm	-19.42 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46486 GHz	-43.53 dBm	-18.53 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.96332 GHz	-43.24 dBm	-18.24 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96575 GHz	-38.72 dBm	-13.72 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.99275 GHz	-42.15 dBm	-17.15 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.95626 GHz	-40.86 dBm	-15.86 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.84252 GHz	-37.13 dBm	-12.13 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.71915 GHz	-38.08 dBm	-13.08 dB

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.25137 MHz	-44.58 dBm	-19.58 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46744 GHz	-43.49 dBm	-18.49 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.97329 GHz	-43.23 dBm	-18.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95376 GHz	-38.70 dBm	-13.70 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94676 GHz	-42.14 dBm	-17.14 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.96625 GHz	-40.74 dBm	-15.74 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.85252 GHz	-36.60 dBm	-11.60 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.69166 GHz	-38.19 dBm	-13.19 dB

Date: 26.MAY.2024 06:17:58

Date: 26.MAY.2024 06:19:18

Highest Channel / QPSK



Date: 26.MAY.2024 06:31:30



### 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	0.0003	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

**Note:**

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



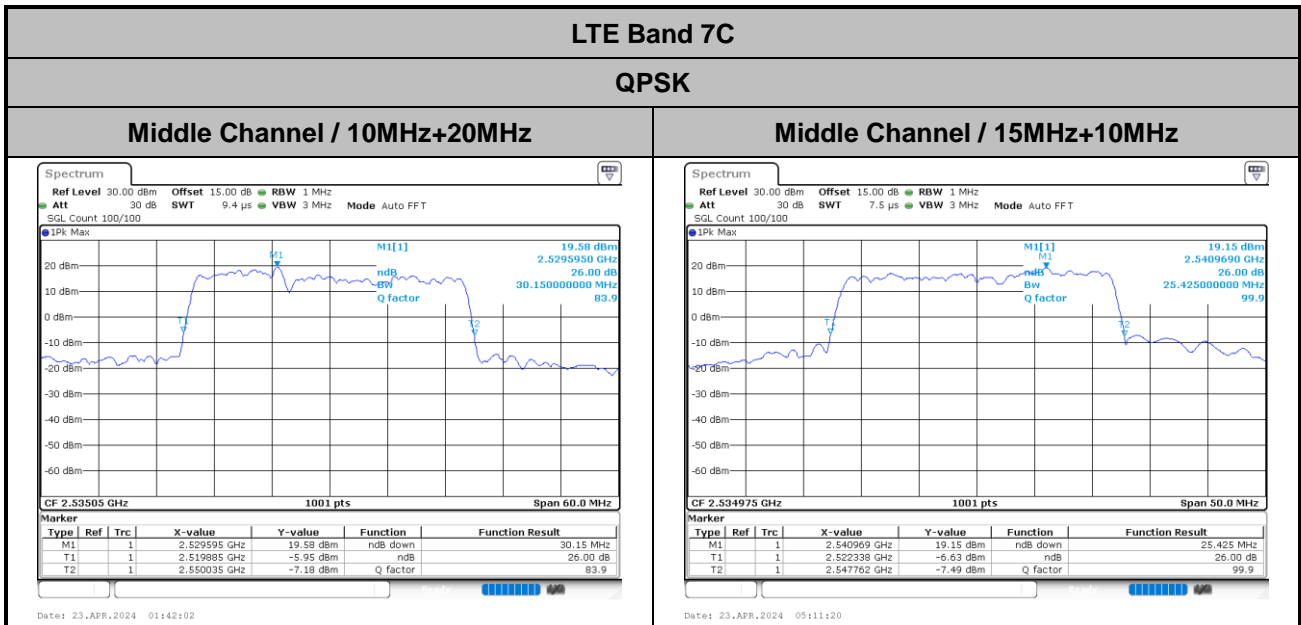


# LTE Band CA\_7C

## 26dB Bandwidth

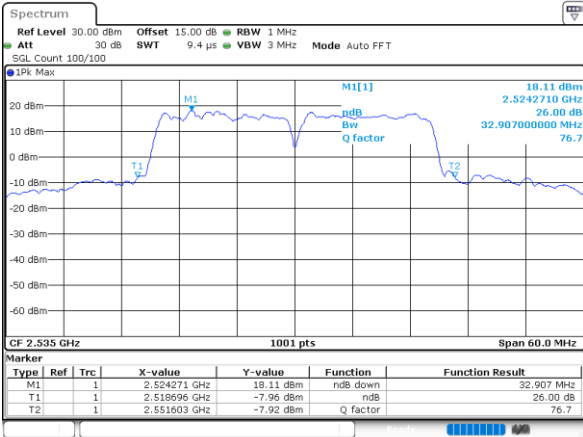
Mode	LTE Band 7C : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	30.15	25.43	32.91	34.90
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.21	35.04	40.04	

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	30.15	25.52	30.81	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.21	35.04	39.88	



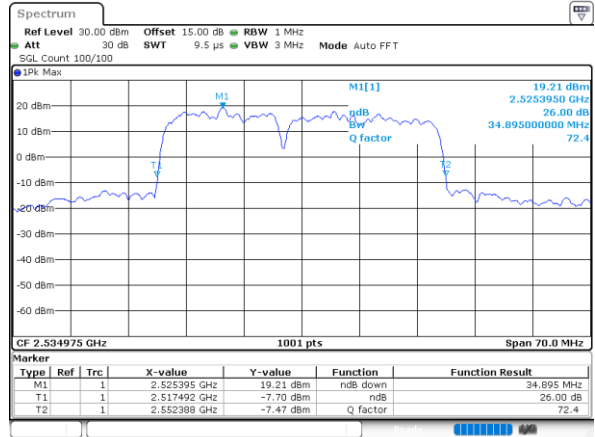


Middle Channel / 15MHz+15MHz



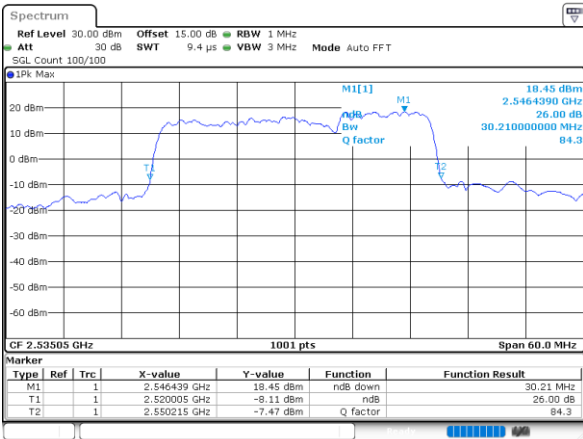
Date: 23.APR.2024 02:52:57

Middle Channel / 15MHz+20MHz



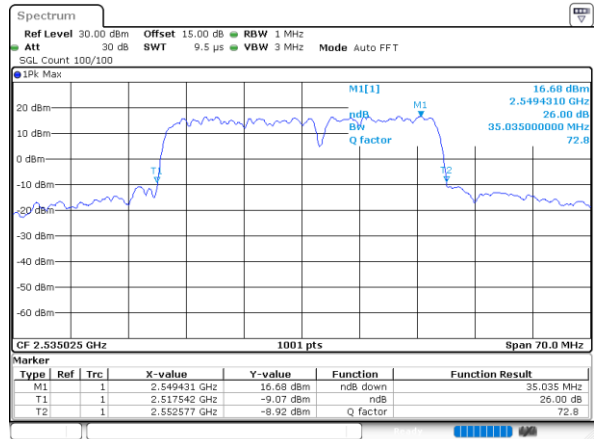
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Middle Channel / 20MHz+10MHz



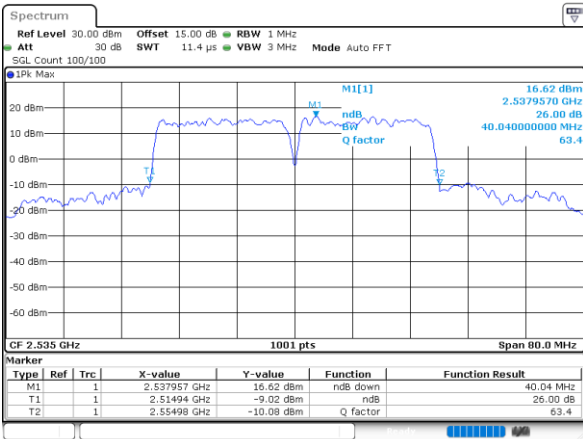
Date: 23.APR.2024 02:17:05

Middle Channel / 20MHz+15MHz



Date: 23.APR.2024 04:02:22

Middle Channel / 20MHz+20MHz



Date: 23.APR.2024 04:37:46

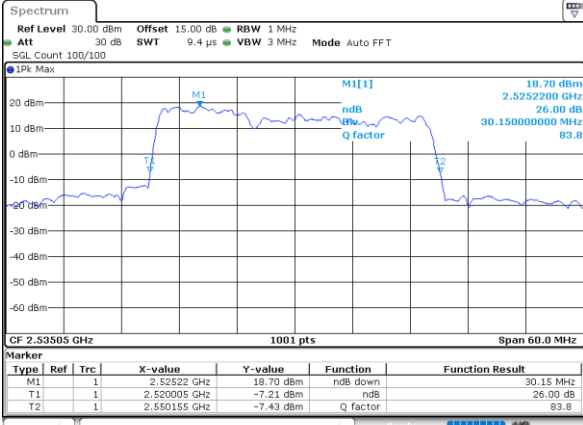
N/A



LTE Band 7C

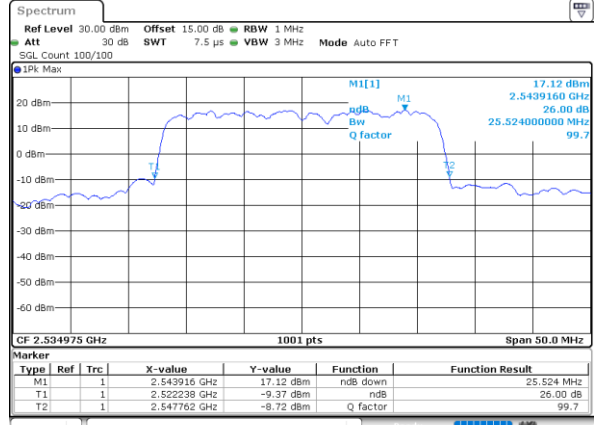
16QAM

Middle Channel / 10MHz+20MHz



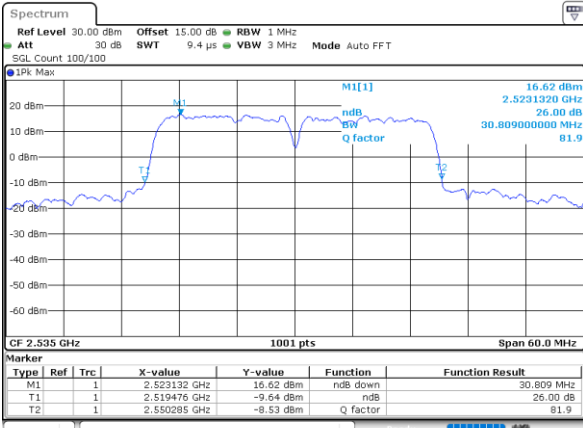
Date: 23, APR, 2024 01:42:40

Middle Channel / 15MHz+10MHz



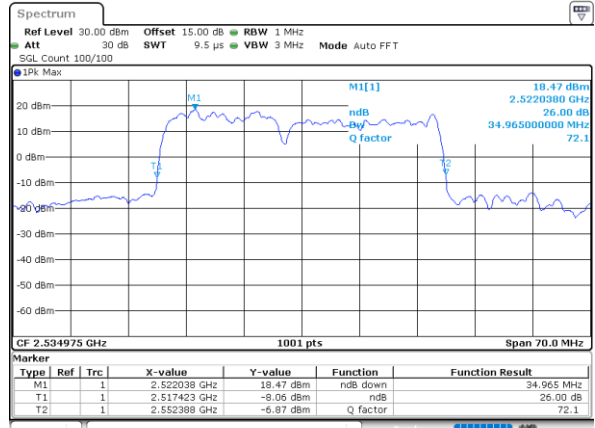
Date: 23, APR, 2024 05:11:58

Middle Channel / 15MHz+15MHz



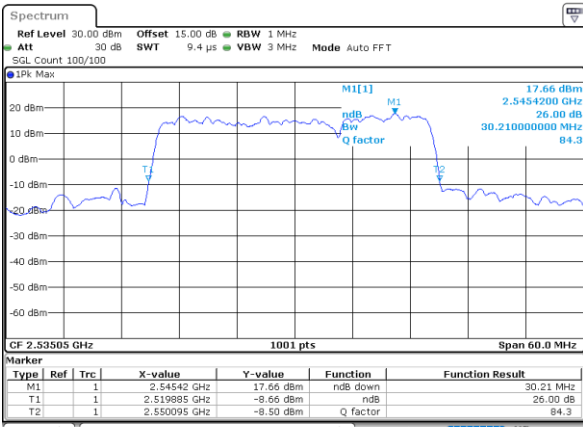
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Middle Channel / 15MHz+20MHz



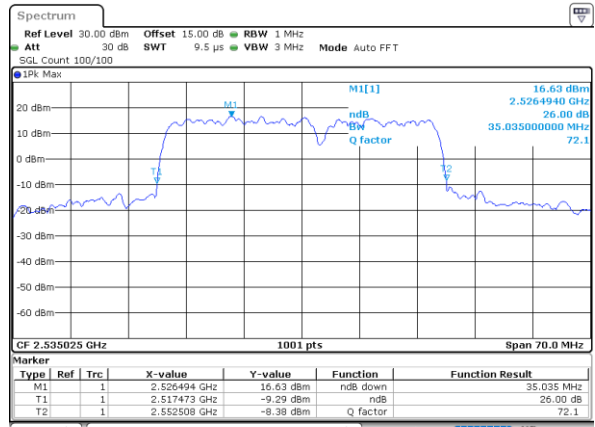
Date: 23, APR, 2024 03:27:09

Middle Channel / 20MHz+10MHz



Date: 23, APR, 2024 02:18:13

Middle Channel / 20MHz+15MHz



Date: 23, APR, 2024 04:10:00

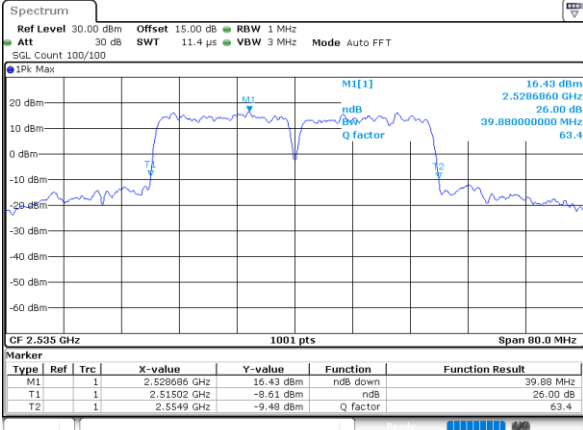


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



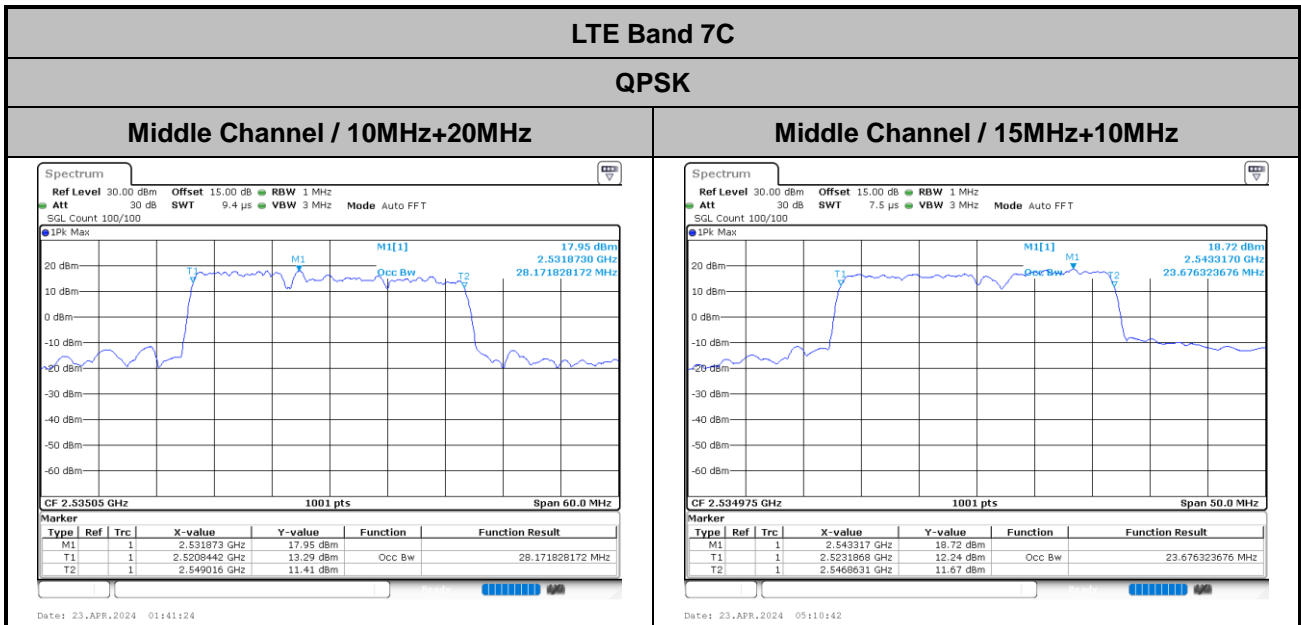
Date: 23, APR, 2024 04:38:19



# Occupied Bandwidth

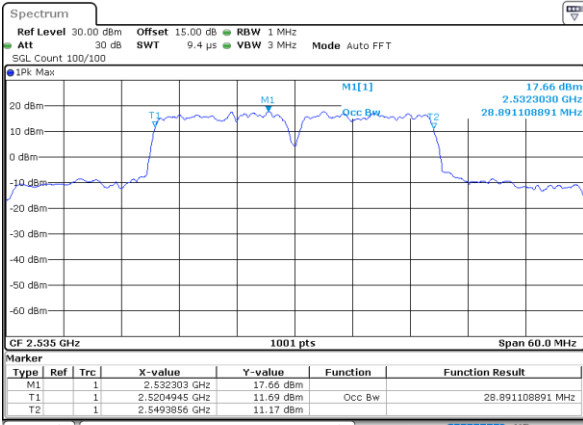
Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	28.17	23.68	28.89	32.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.05	33.01	37.88	

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.93	23.58	28.65	32.94
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.05	33.01	37.88	



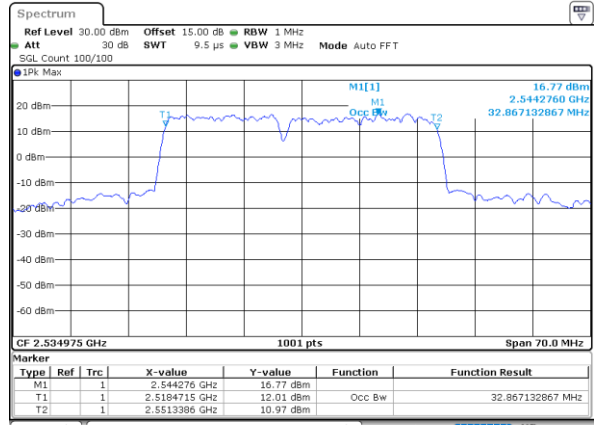


Middle Channel / 15MHz+15MHz



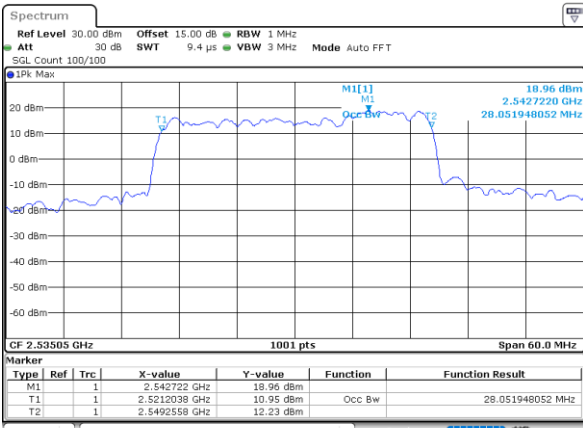
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Middle Channel / 15MHz+20MHz



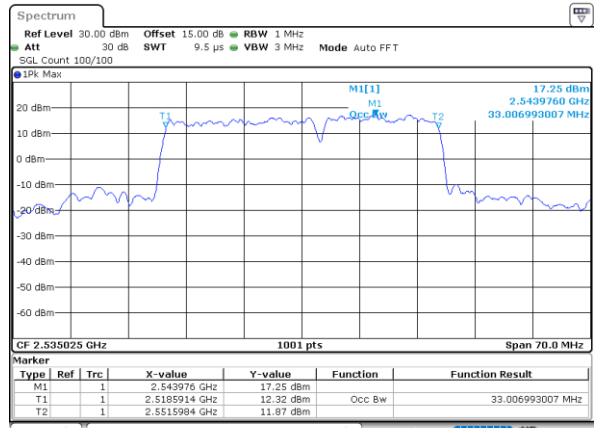
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Middle Channel / 20MHz+10MHz



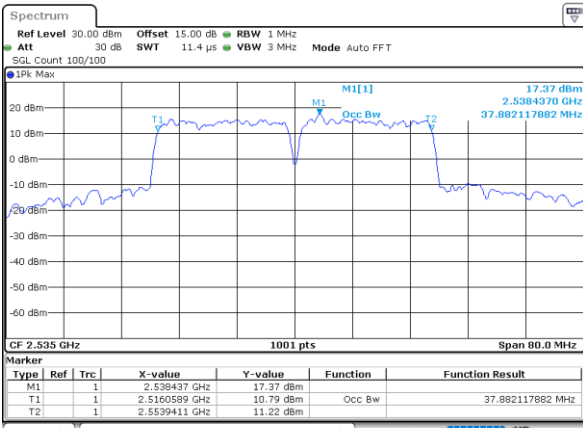
Date: 23.APR.2024 02:16:57

Middle Channel / 20MHz+15MHz



Date: 23.APR.2024 04:01:44

Middle Channel / 20MHz+20MHz



Date: 23.APR.2024 04:37:14

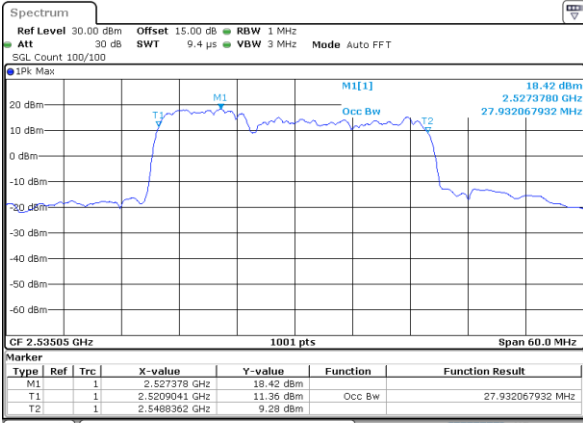
N/A



LTE Band 7C

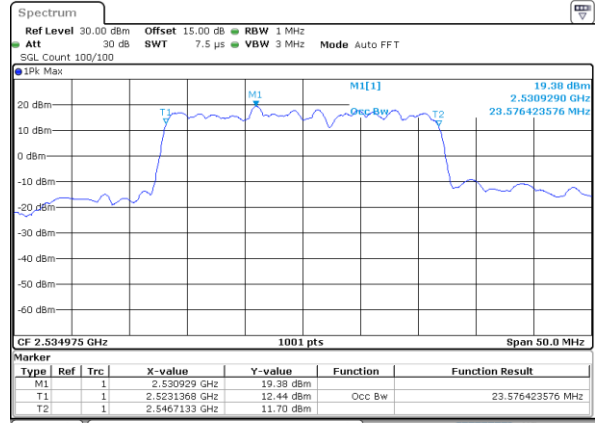
16QAM

Middle Channel / 10MHz+20MHz



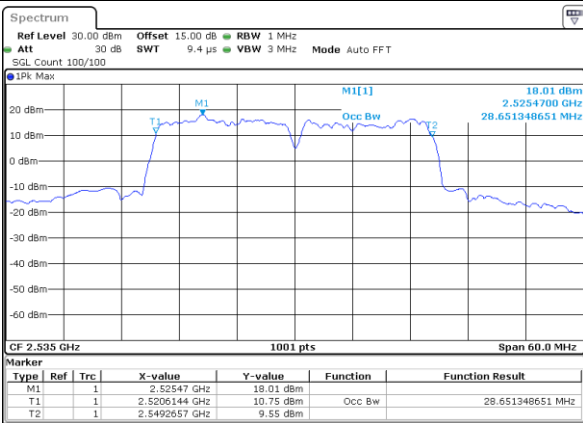
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Middle Channel / 15MHz+10MHz



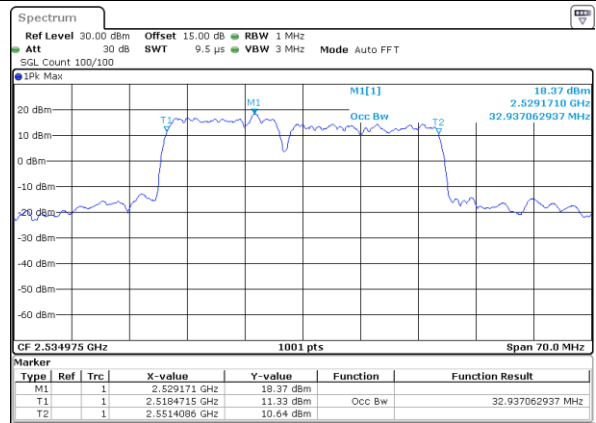
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Middle Channel / 15MHz+15MHz



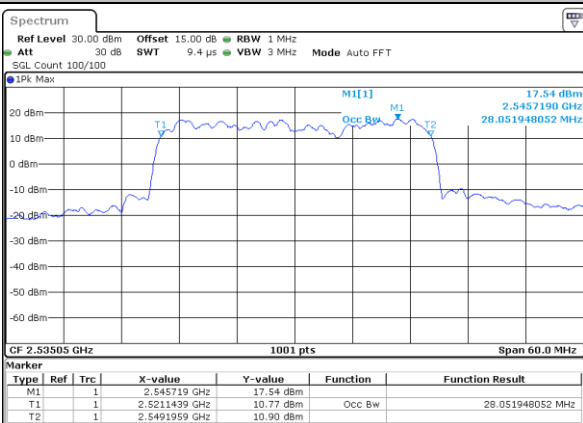
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Middle Channel / 15MHz+20MHz



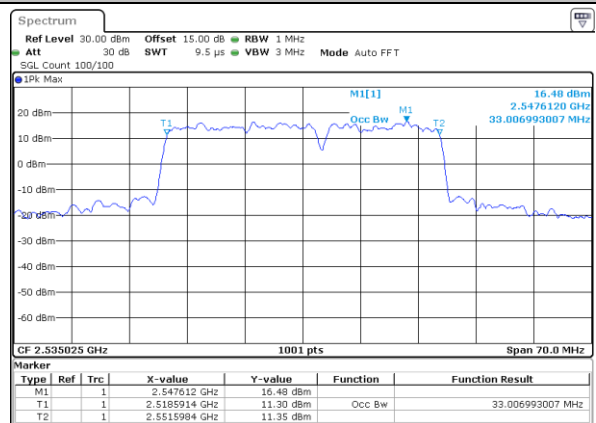
Date: 23.APR.2024 03:27:47

Middle Channel / 20MHz+10MHz



Date: 23.APR.2024 02:18:51

Middle Channel / 20MHz+15MHz



Date: 23.APR.2024 04:10:38

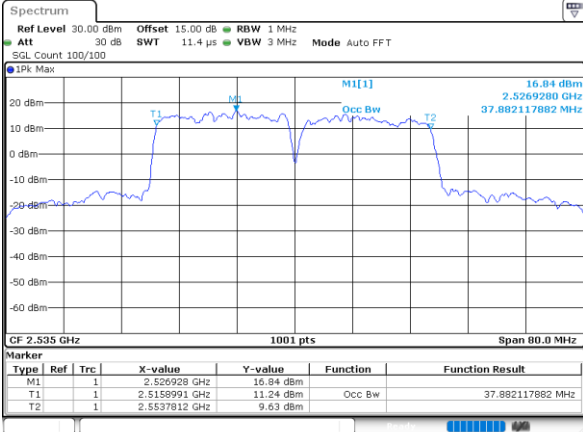


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 23, APR, 2024 04:38:52



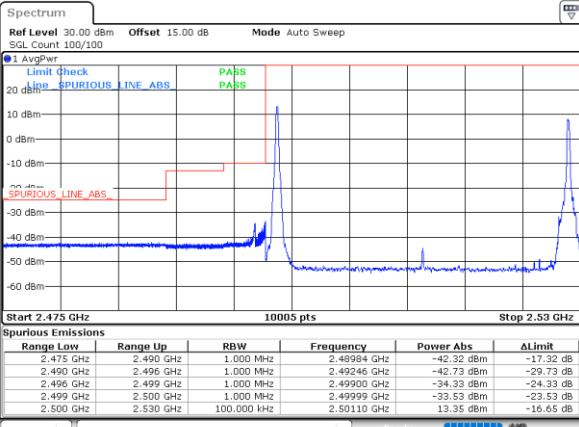


# Conducted Band Edge

## LTE Band 7C / 10MHz+20MHz

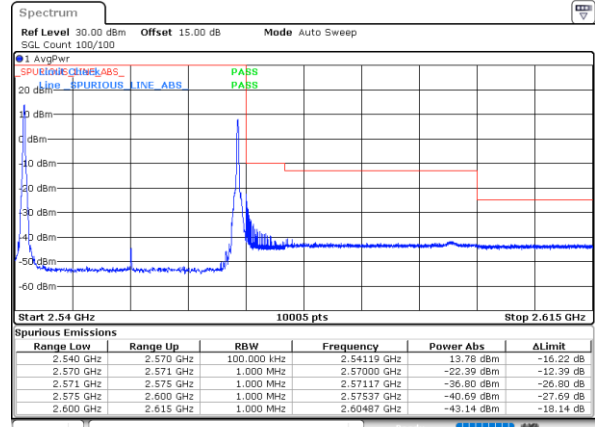
### QPSK

#### Lowest Band Edge / 1RB0 and 1RB9



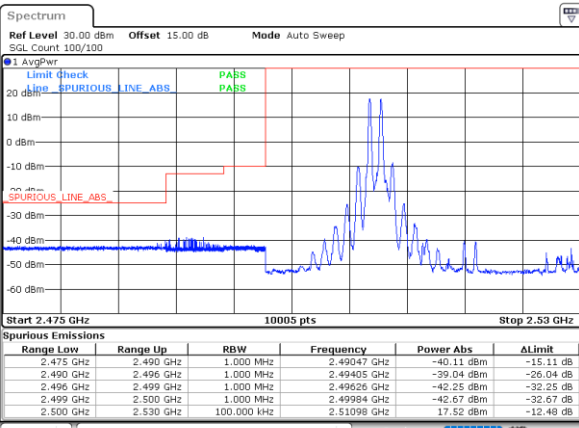
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#### Highest Band Edge / 1RB0 and 1RB9



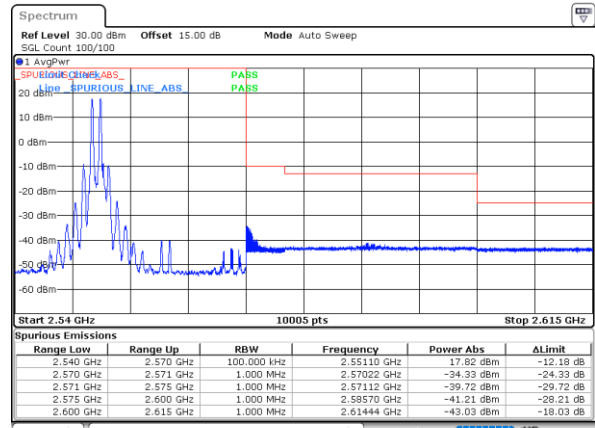
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#### Lowest Band Edge / 1RB49 and 1RB0



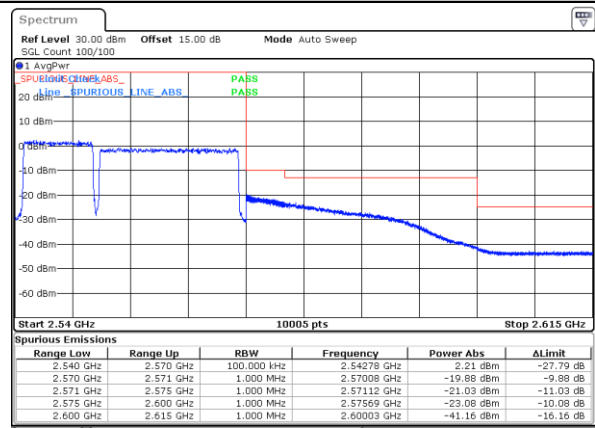
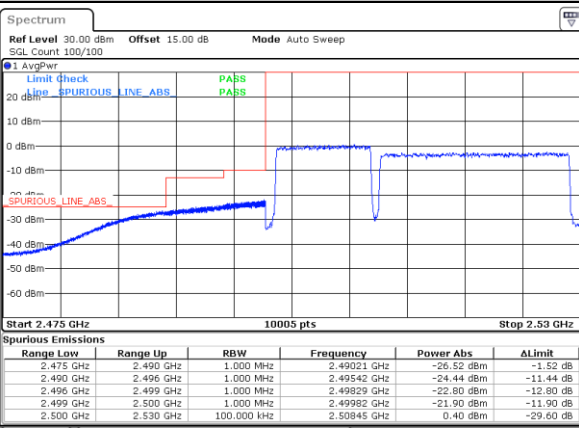
Date: 23.APR.2024 01:48:06

#### Highest Band Edge / 1RB49 and 1RB0



Date: 23.APR.2024 02:14:37

#### Lowest Band Edge / Full RB



Date: 23.APR.2024 02:05:19