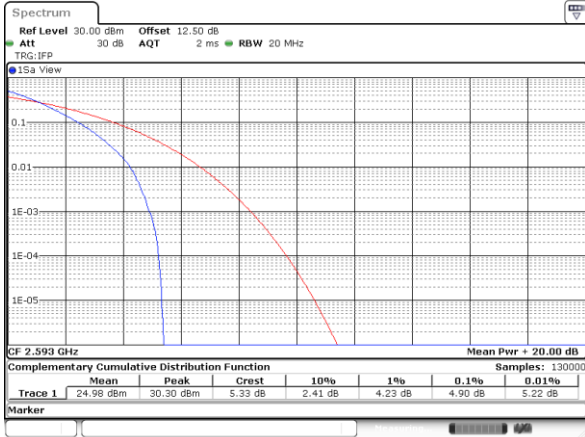




LTE Band 41 / 20MHz / QPSK

Middle Channel / Full RB



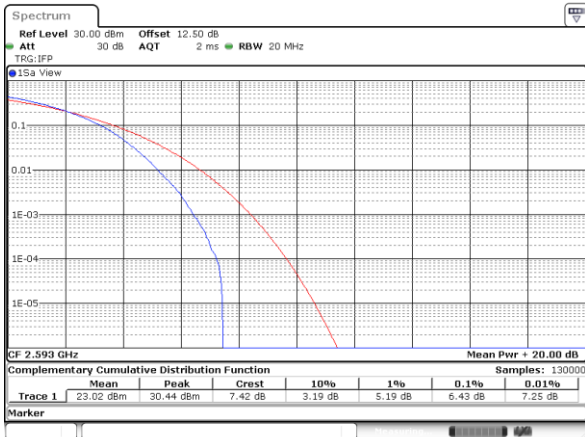
LTE Band 41 / 20MHz / 16QAM

Middle Channel / Full RB



LTE Band 41 / 20MHz / 64QAM

Middle Channel / Full RB





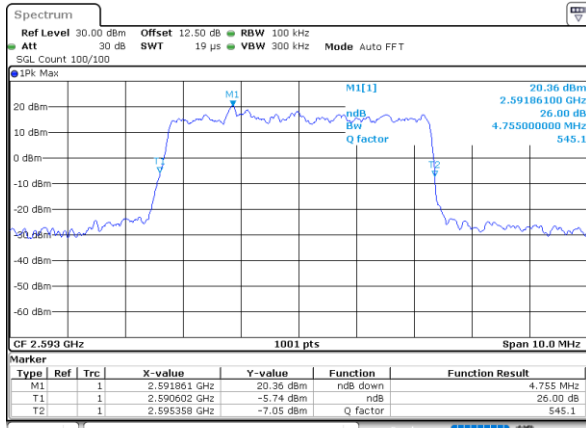
26dB Bandwidth

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	-	-	-	-	4.76	4.92	9.81	9.81	14.21	14.33	18.66	18.82
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	4.86	-	9.75	-	14.30	-	18.90	-



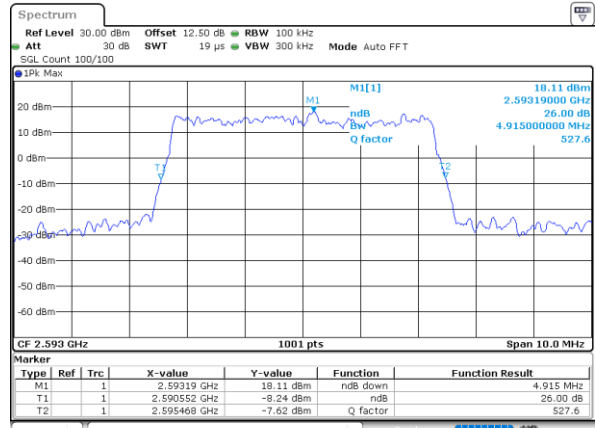
LTE Band 41

Middle Channel / 5MHz / QPSK



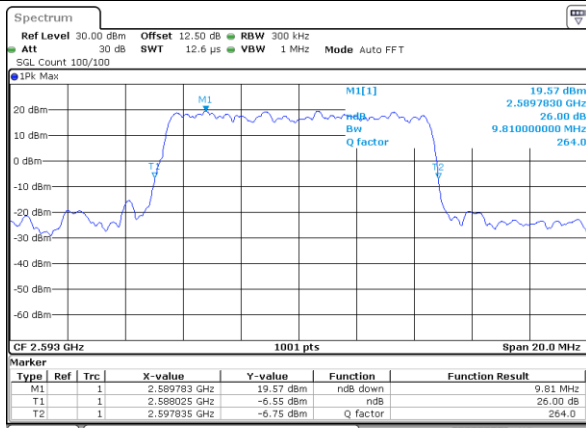
Date: 13.APR.2022 20:39:28

Middle Channel / 5MHz / 16QAM



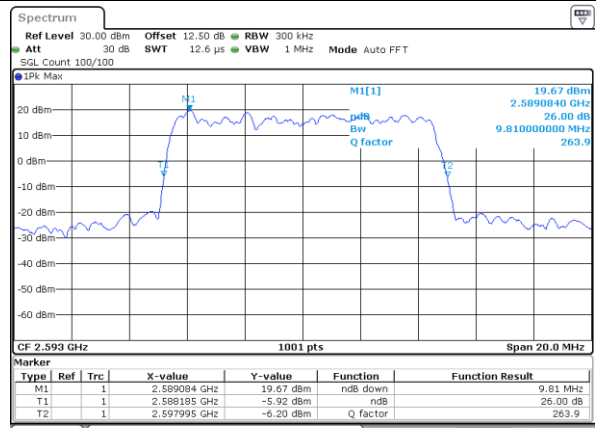
Date: 13.APR.2022 20:39:52

Middle Channel / 10MHz / QPSK



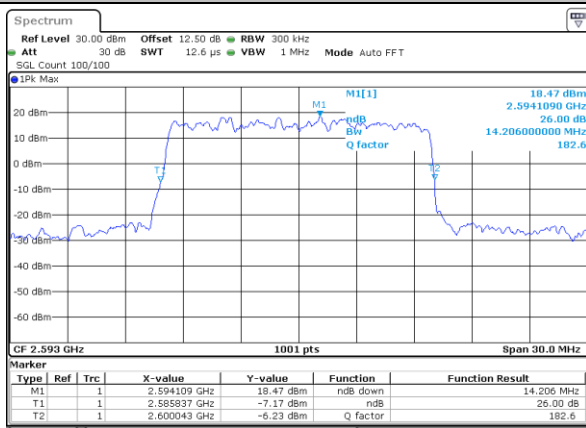
Date: 13.APR.2022 20:41:50

Middle Channel / 10MHz / 16QAM



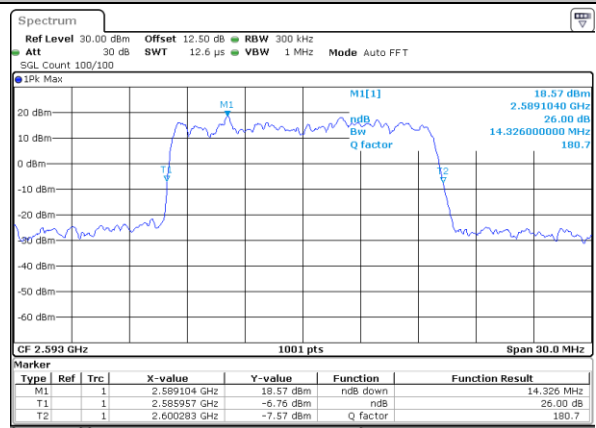
Date: 13.APR.2022 20:42:14

Middle Channel / 15MHz / QPSK



Date: 13.APR.2022 20:44:12

Middle Channel / 15MHz / 16QAM

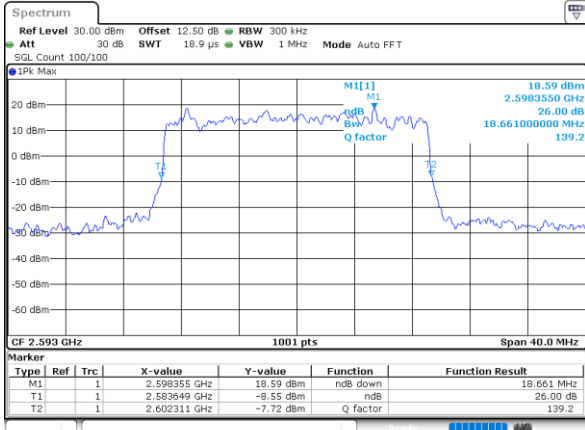


Date: 13.APR.2022 20:44:35



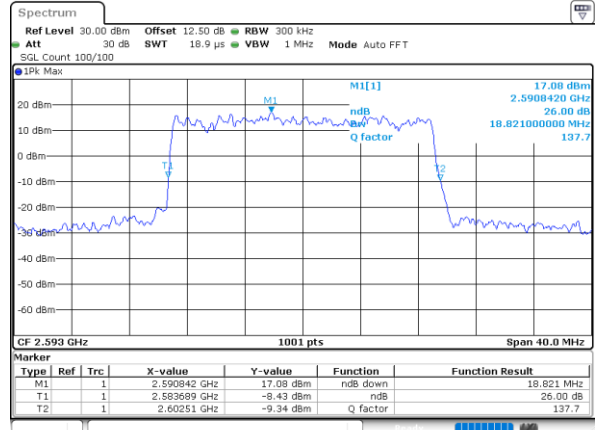
LTE Band 41

Middle Channel / 20MHz / QPSK



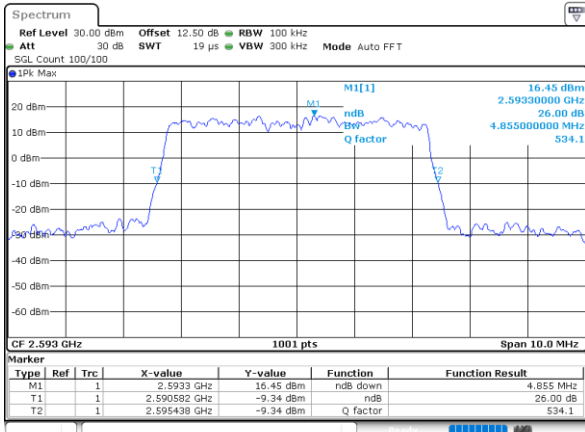
Date: 13.APR.2022 20:46:34

Middle Channel / 20MHz / 16QAM



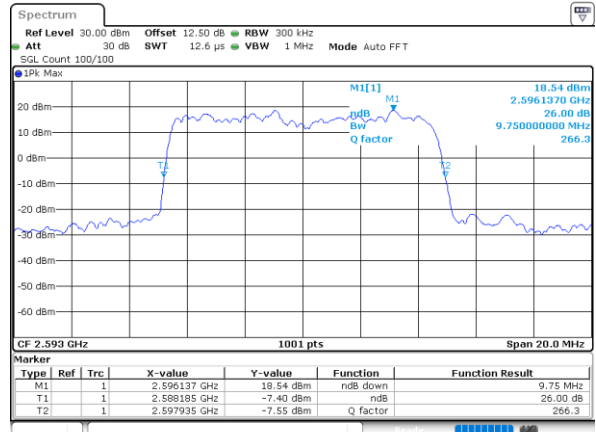
Date: 13.APR.2022 20:46:58

Middle Channel / 5MHz / 64QAM



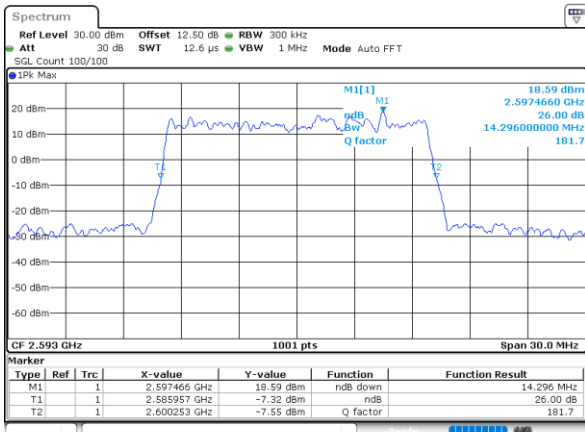
Date: 13.APR.2022 20:46:39

Middle Channel / 10MHz / 64QAM



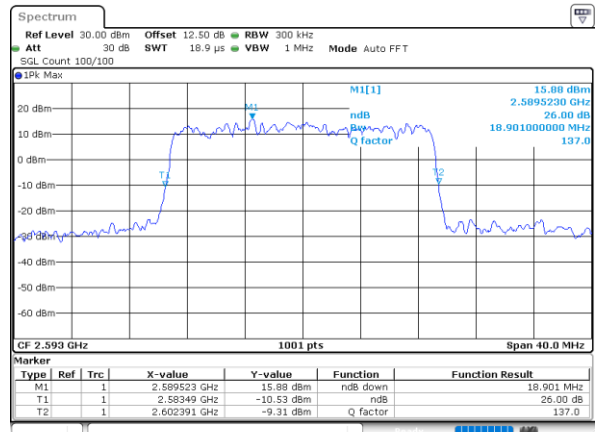
Date: 13.APR.2022 20:46:01

Middle Channel / 15MHz / 64QAM



Date: 13.APR.2022 20:45:23

Middle Channel / 20MHz / 64QAM



Date: 13.APR.2022 20:47:45



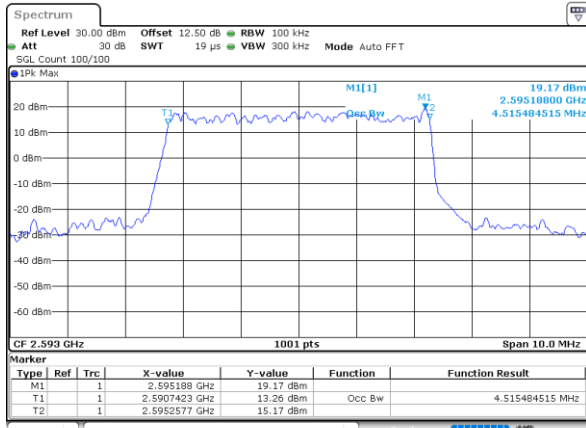
**Occupied Bandwidth**

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	-	-	-	-	4.52	4.48	9.07	9.05	13.46	13.43	17.82	17.90
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	4.49	-	9.05	-	13.46	-	17.94	-

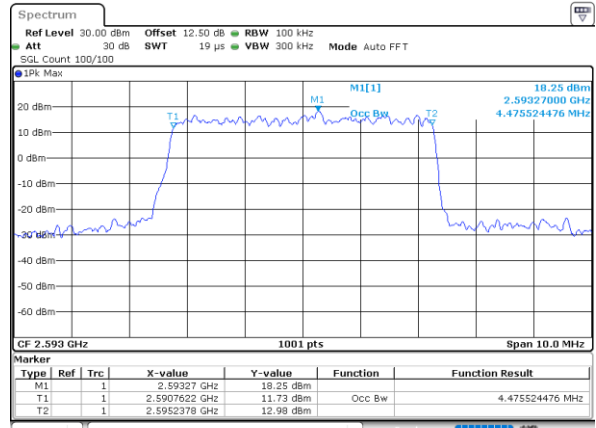


LTE Band 41

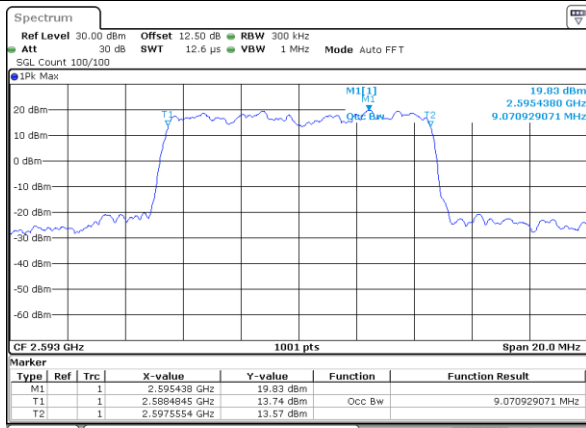
Middle Channel / 5MHz / QPSK



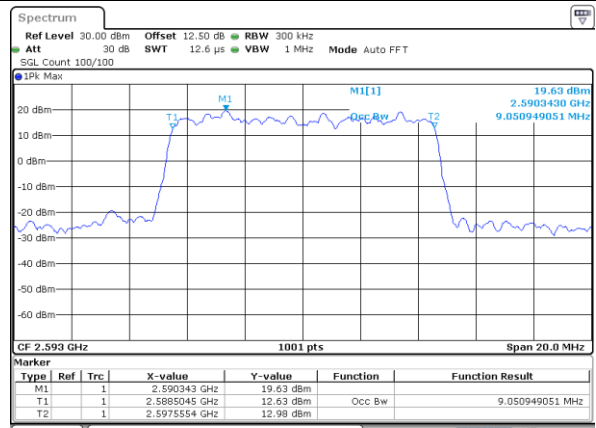
Middle Channel / 5MHz / 16QAM



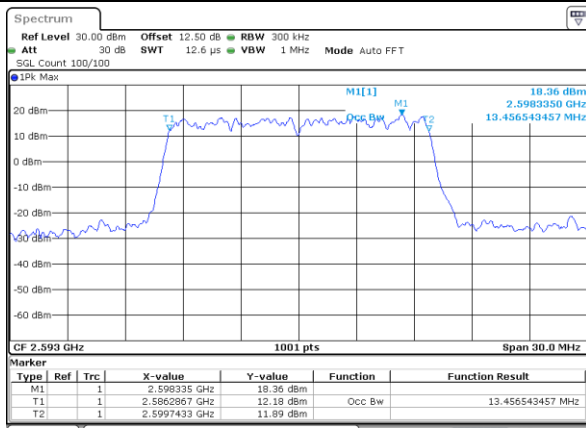
Middle Channel / 10MHz / QPSK



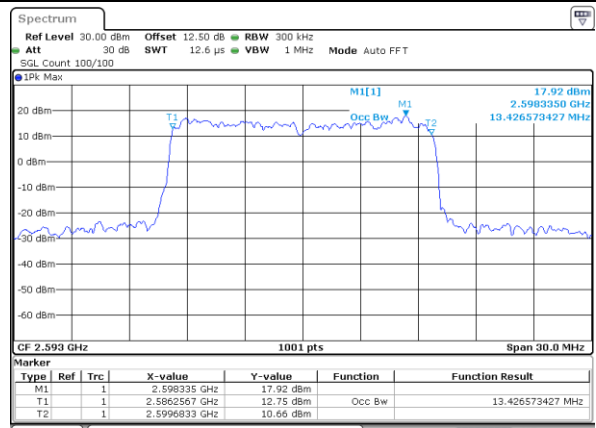
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



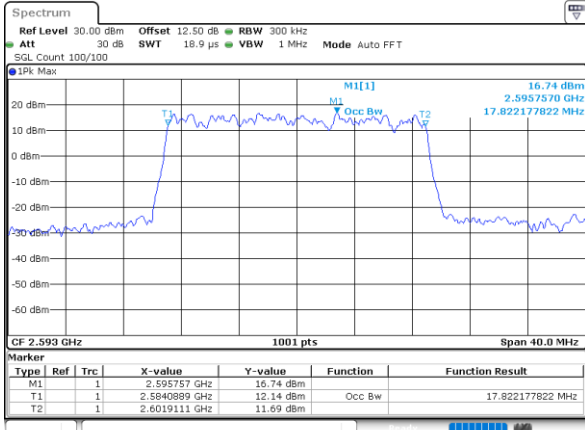
Middle Channel / 15MHz / 16QAM





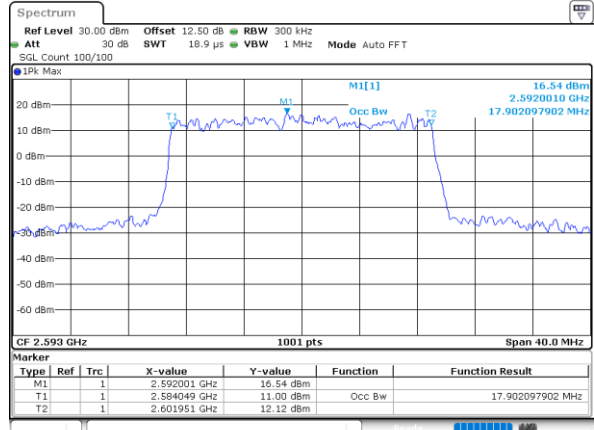
LTE Band 41

Middle Channel / 20MHz / QPSK



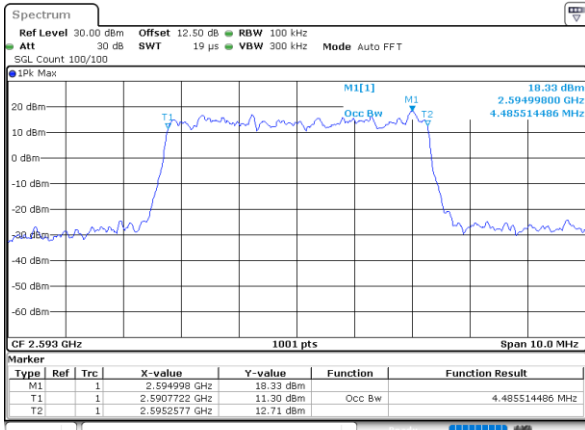
Date: 13.APR.2022 20:45:47

Middle Channel / 20MHz / 16QAM



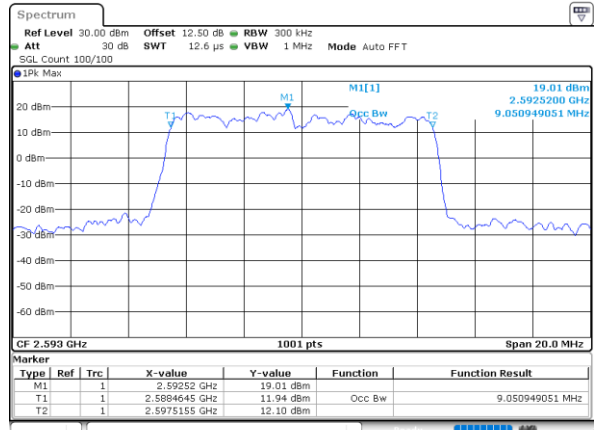
Date: 13.APR.2022 20:46:11

Middle Channel / 5MHz / 64QAM



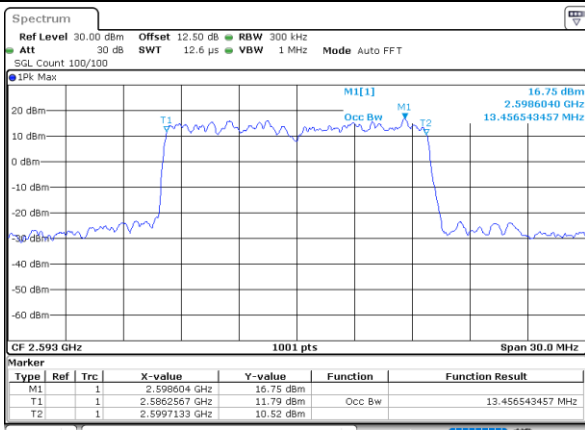
Date: 13.APR.2022 20:40:15

Middle Channel / 10MHz / 64QAM



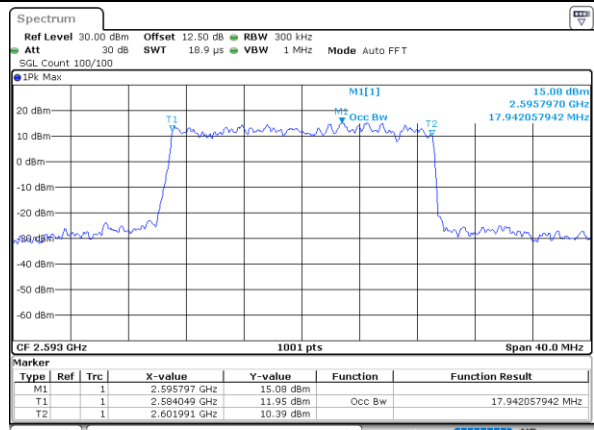
Date: 13.APR.2022 20:42:37

Middle Channel / 15MHz / 64QAM



Date: 13.APR.2022 20:44:59

Middle Channel / 20MHz / 64QAM



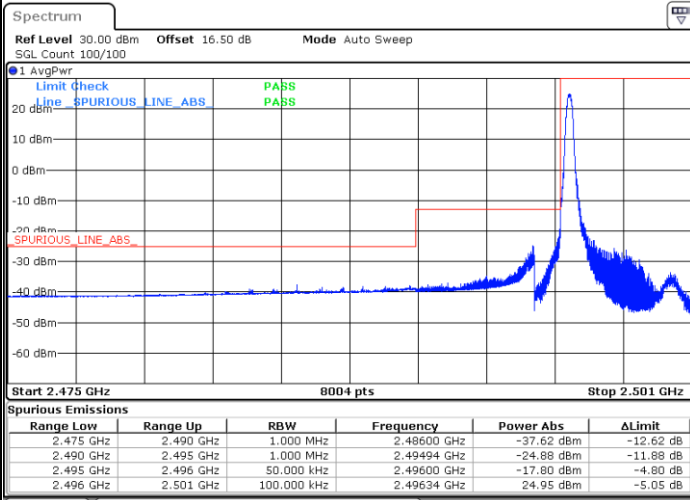
Date: 13.APR.2022 20:47:21



# Conducted Band Edge

## LTE Band 41 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



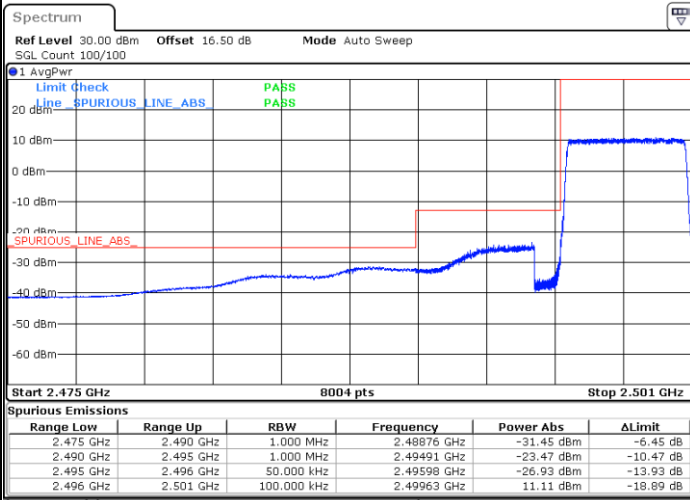
Date: 13.APR.2022 19:22:22

### Highest Band Edge / 1 RB



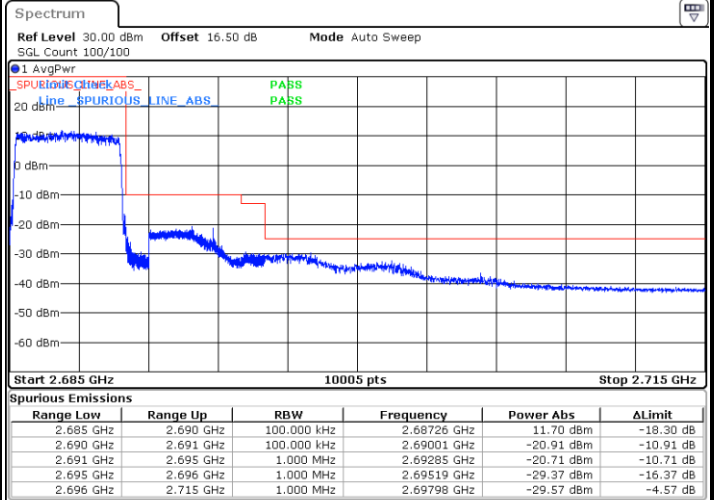
Date: 13.APR.2022 19:26:15

### Lowest Band Edge / Full RB



Date: 13.APR.2022 19:24:19

### Highest Band Edge / Full RB



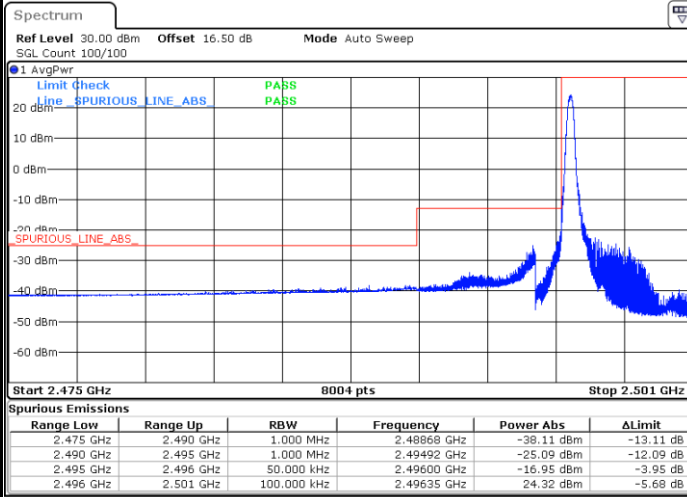
Date: 13.APR.2022 19:28:11





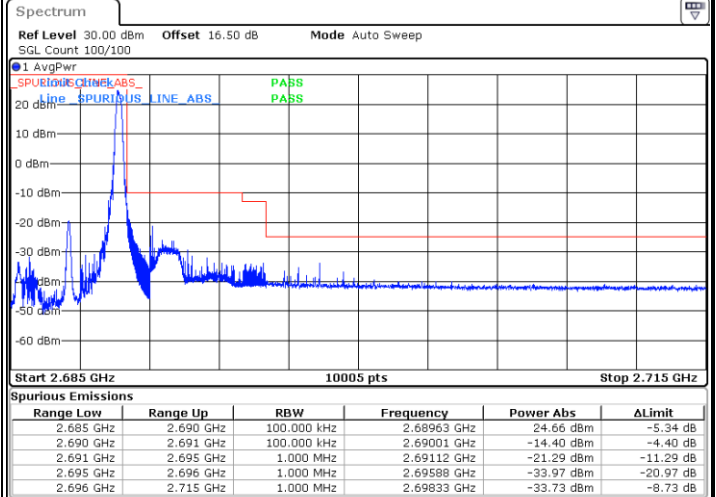
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



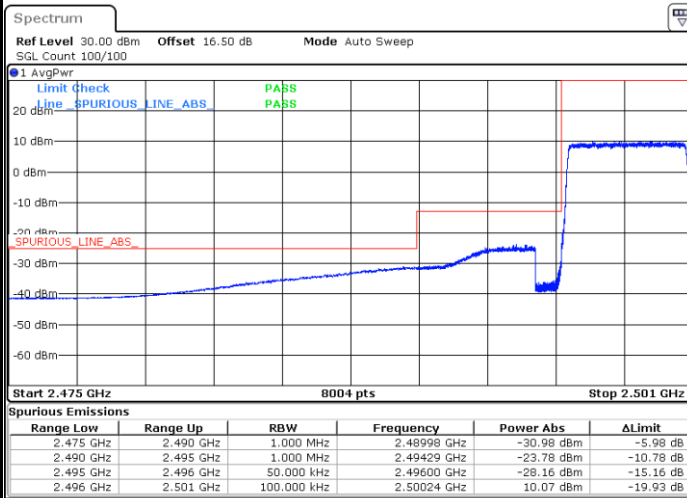
Date: 13.APR.2022 19:23:20

Highest Band Edge / 1 RB



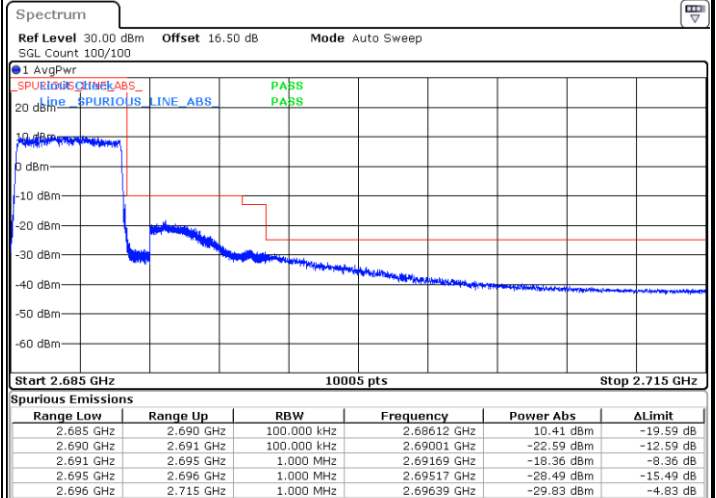
Date: 13.APR.2022 19:27:13

Lowest Band Edge / Full RB



Date: 13.APR.2022 19:25:17

Highest Band Edge / Full RB

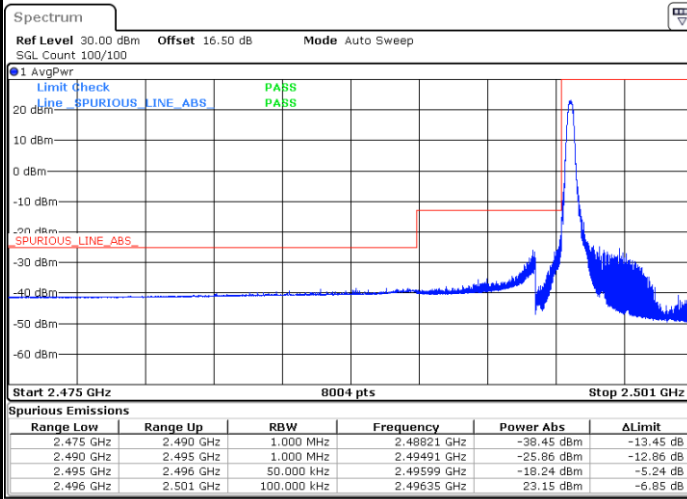


Date: 13.APR.2022 19:29:09



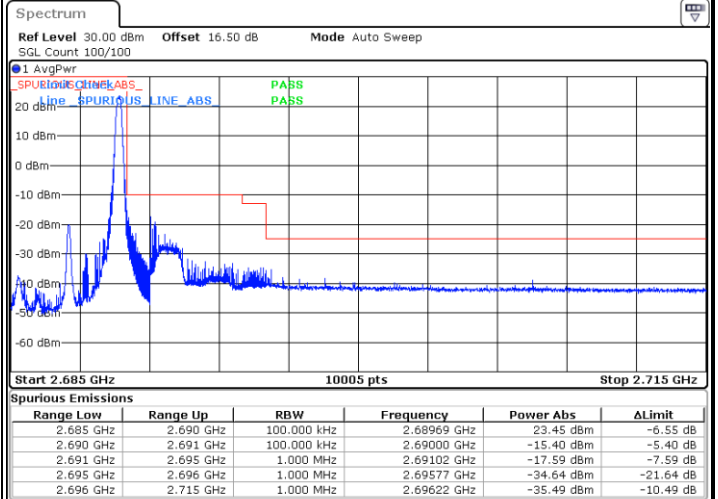
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



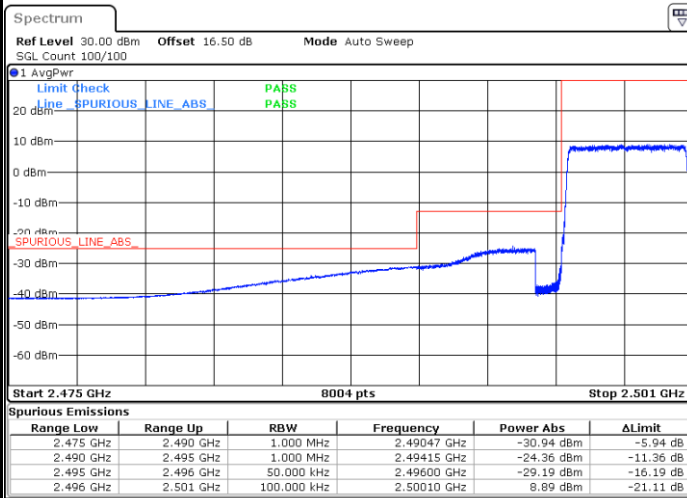
Date: 13.APR.2022 19:30:07

Highest Band Edge / 1 RB



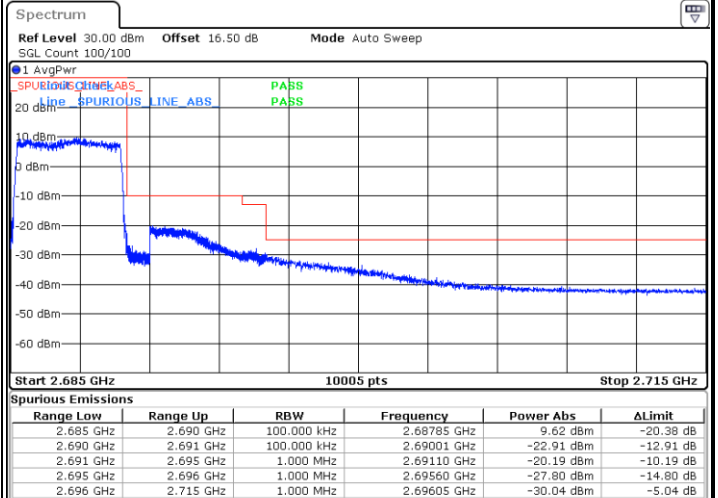
Date: 13.APR.2022 19:32:03

Lowest Band Edge / Full RB



Date: 13.APR.2022 19:31:06

Highest Band Edge / Full RB

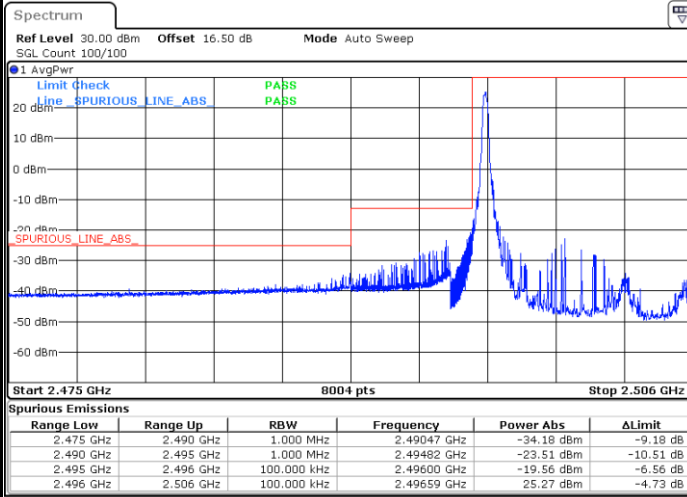


Date: 13.APR.2022 19:33:01



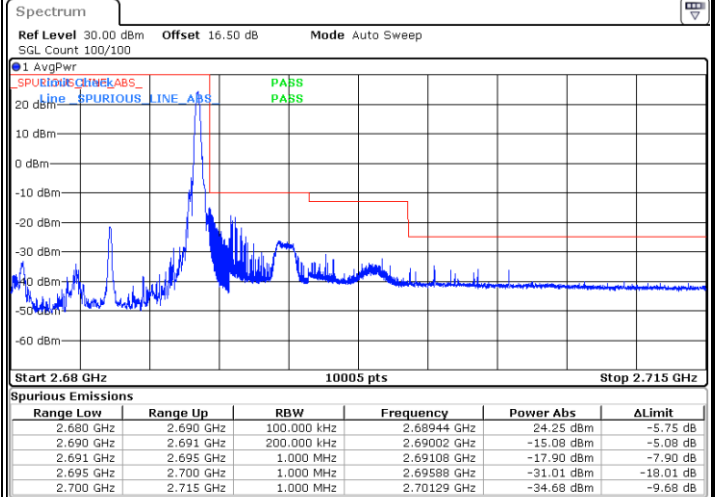
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



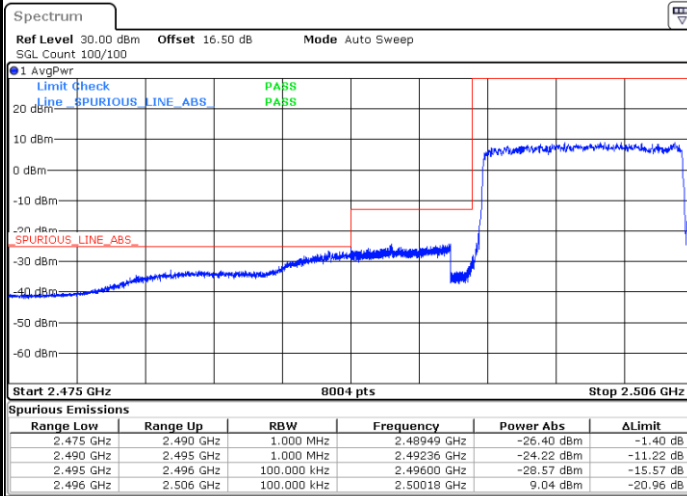
Date: 13.APR.2022 19:37:11

Highest Band Edge / 1 RB



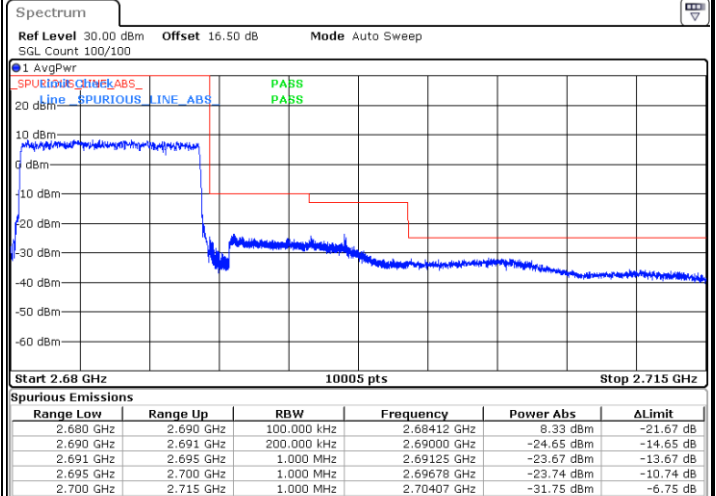
Date: 13.APR.2022 19:41:04

Lowest Band Edge / Full RB



Date: 13.APR.2022 19:39:08

Highest Band Edge / Full RB

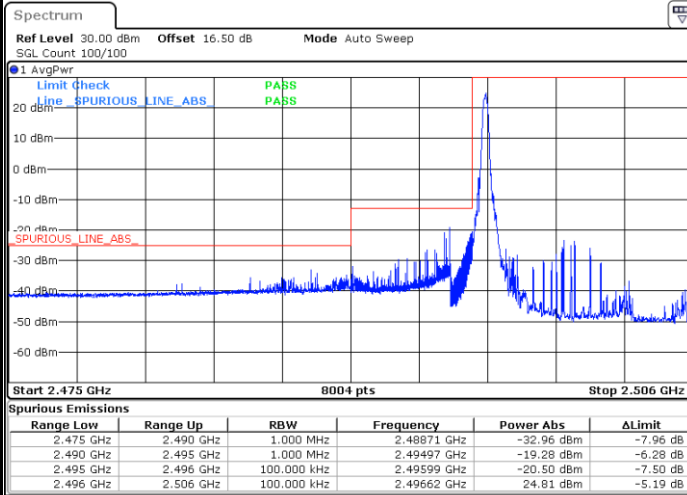


Date: 13.APR.2022 19:43:00



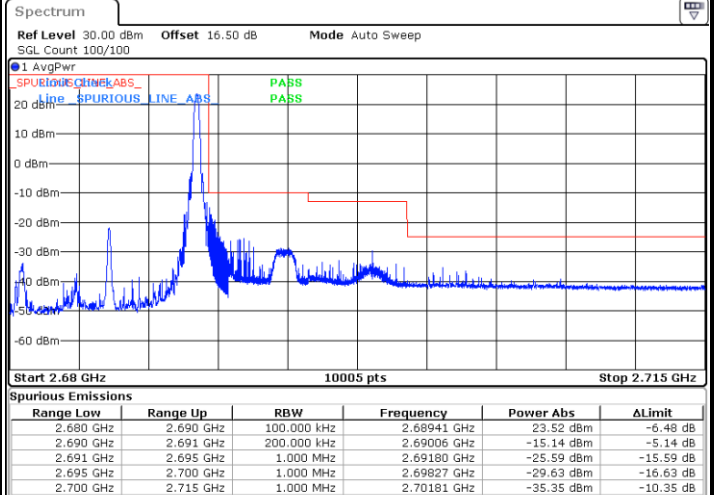
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



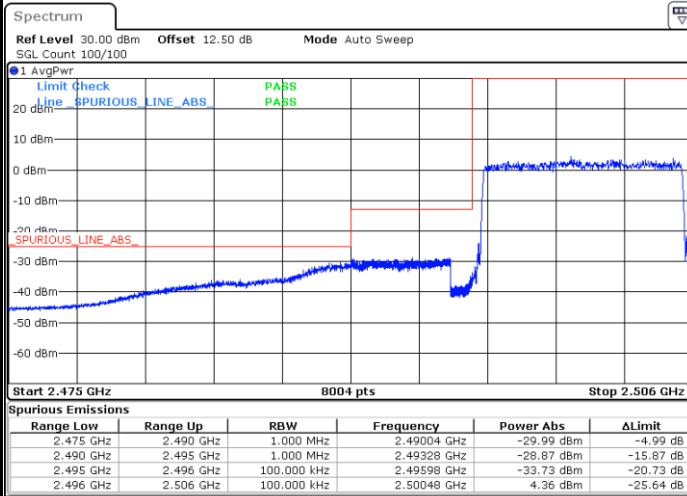
Date: 13.APR.2022 19:38:10

Highest Band Edge / 1 RB



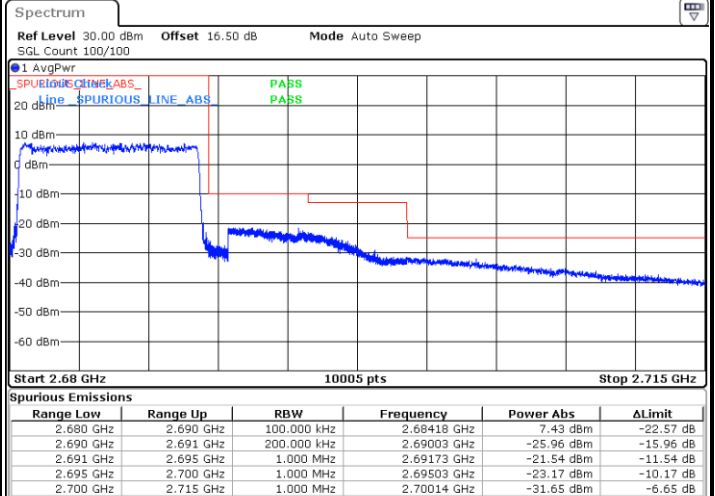
Date: 13.APR.2022 19:42:02

Lowest Band Edge / Full RB



Date: 13.APR.2022 22:15:45

Highest Band Edge / Full RB

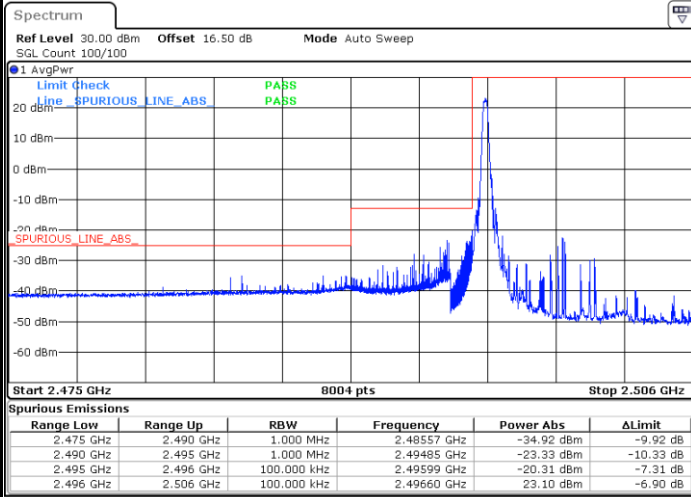


Date: 13.APR.2022 19:43:58



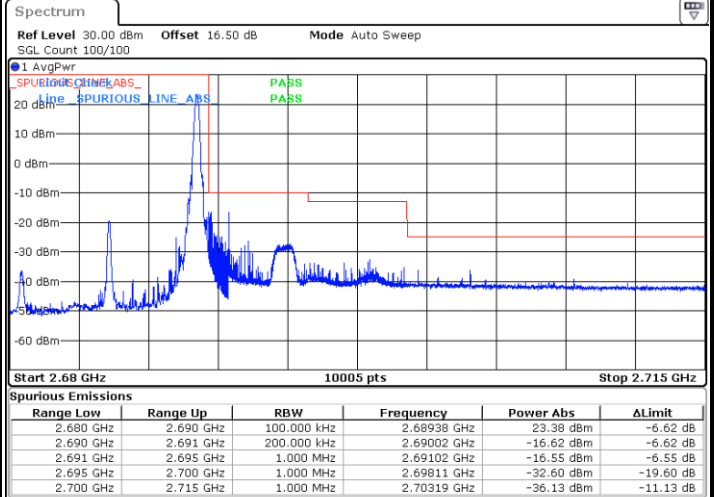
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



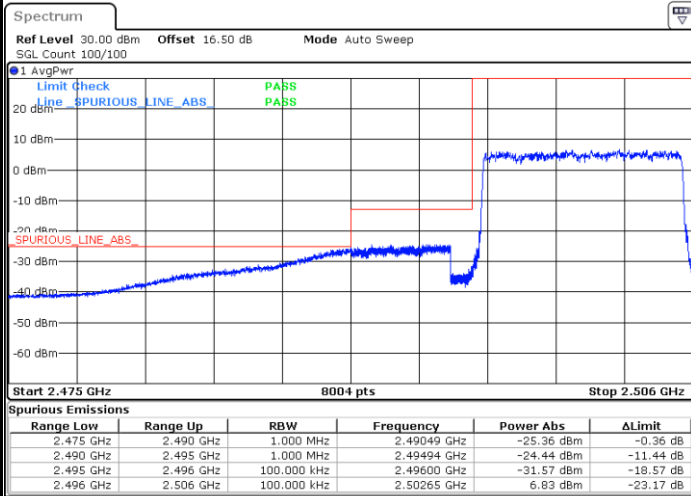
Date: 13.APR.2022 19:44:56

Highest Band Edge / 1 RB



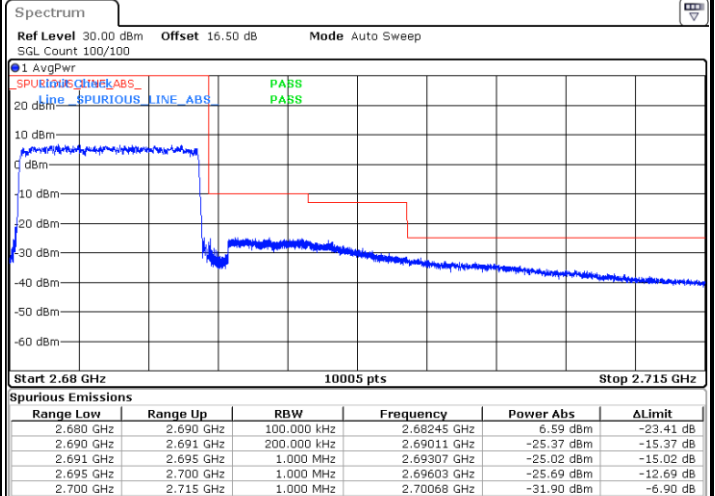
Date: 13.APR.2022 19:46:52

Lowest Band Edge / Full RB



Date: 13.APR.2022 19:45:54

Highest Band Edge / Full RB

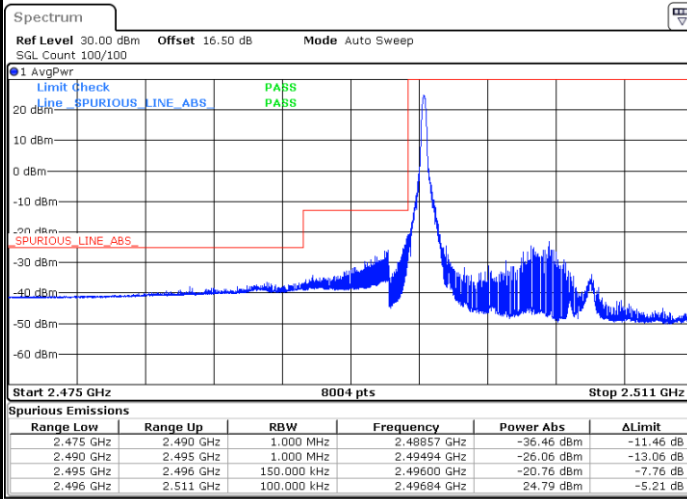


Date: 13.APR.2022 19:47:50



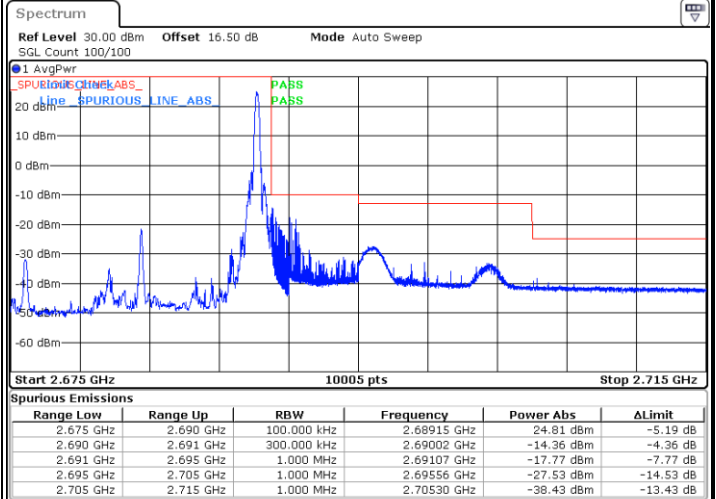
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



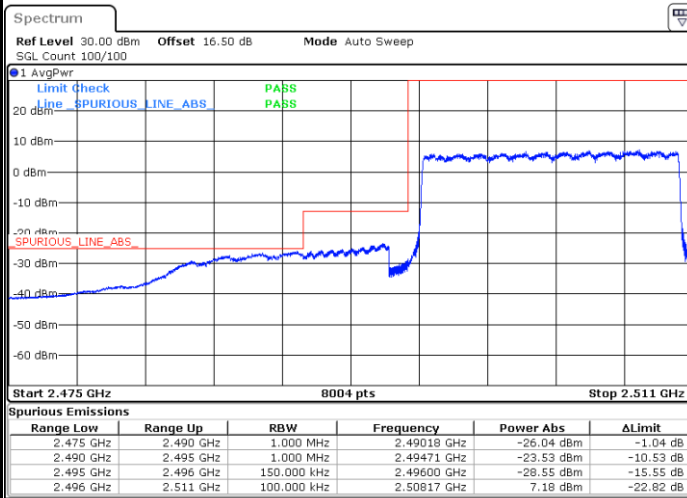
Date: 13.APR.2022 20:09:13

Highest Band Edge / 1 RB



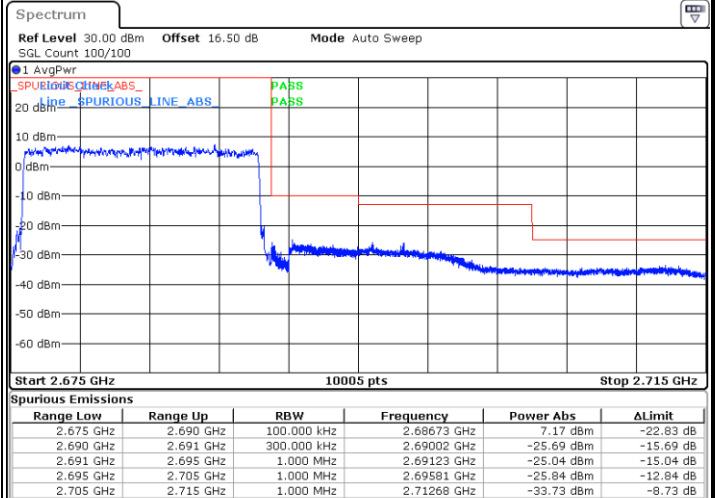
Date: 13.APR.2022 20:16:07

Lowest Band Edge / Full RB



Date: 13.APR.2022 20:14:11

Highest Band Edge / Full RB

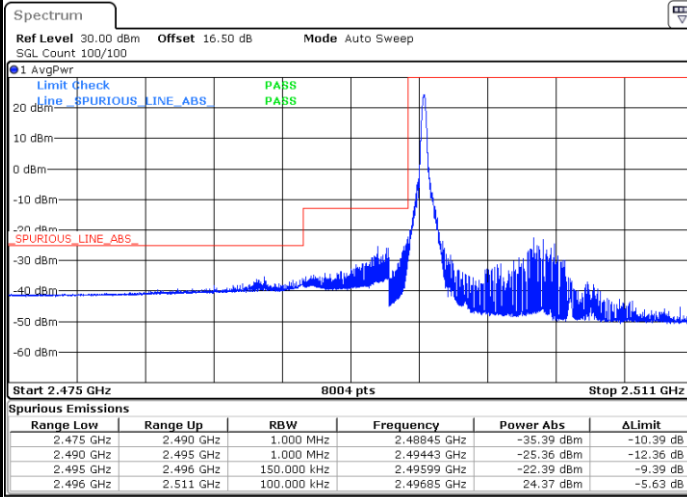


Date: 13.APR.2022 20:18:03



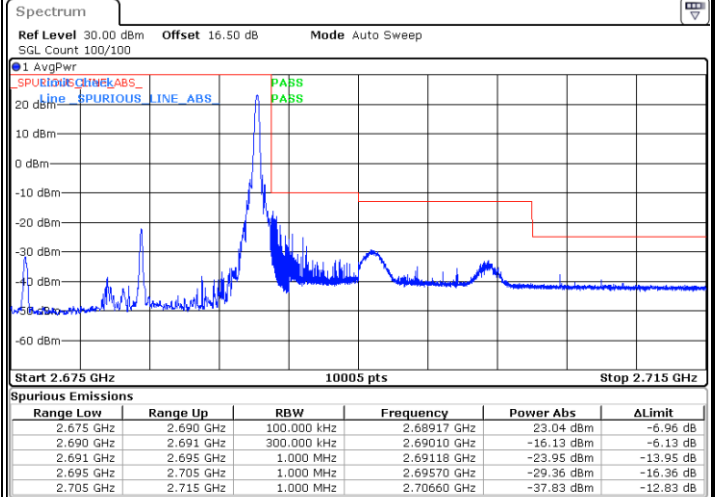
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



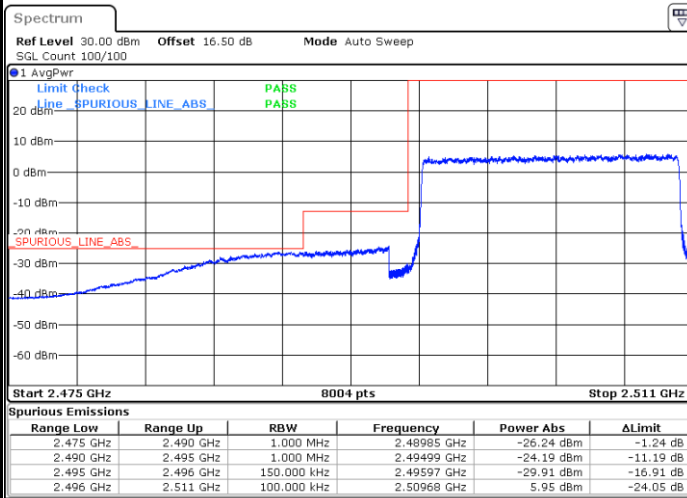
Date: 13.APR.2022 20:13:13

Highest Band Edge / 1 RB



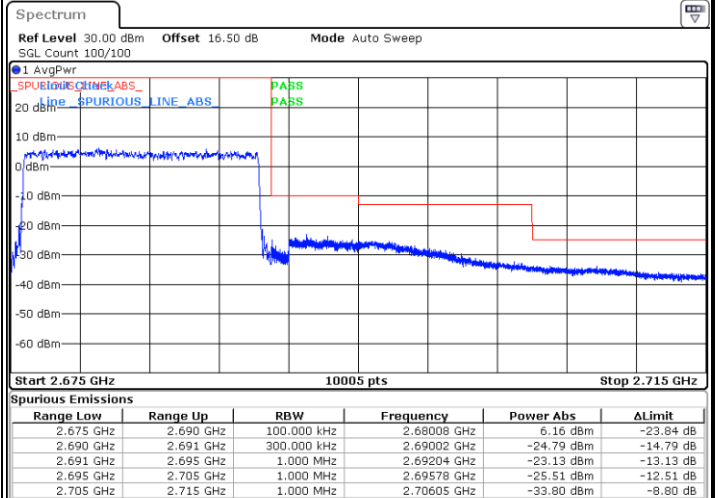
Date: 13.APR.2022 20:17:05

Lowest Band Edge / Full RB



Date: 13.APR.2022 20:15:09

Highest Band Edge / Full RB

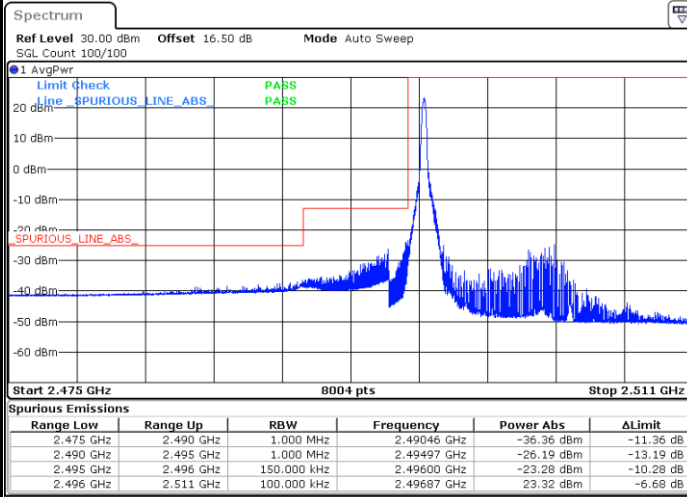


Date: 13.APR.2022 20:19:01



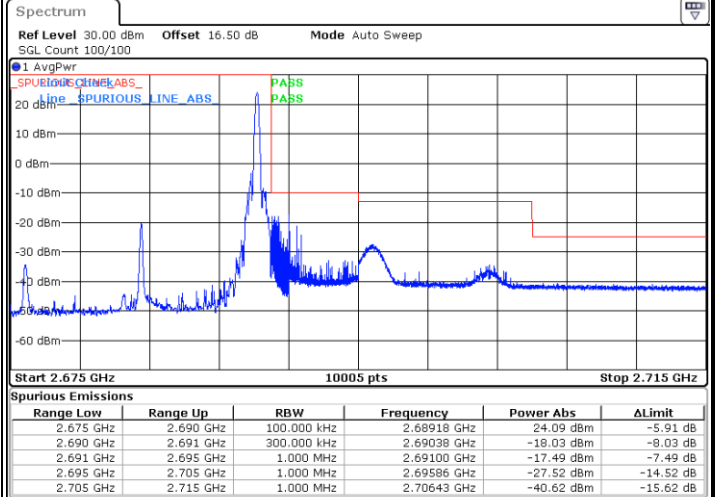
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



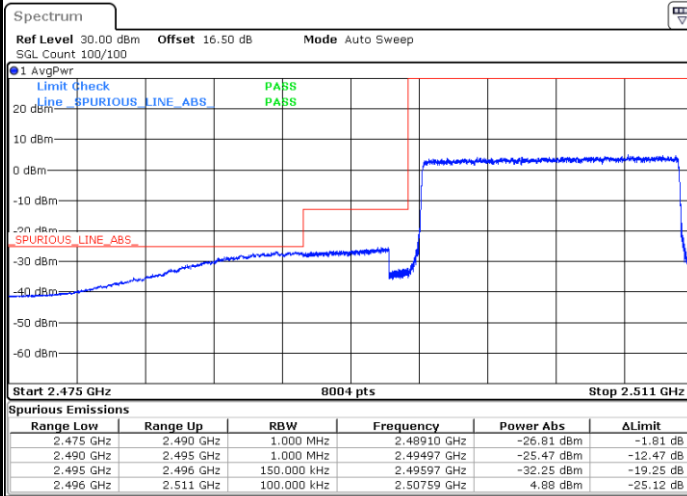
Date: 13.APR.2022 19:51:59

Highest Band Edge / 1 RB



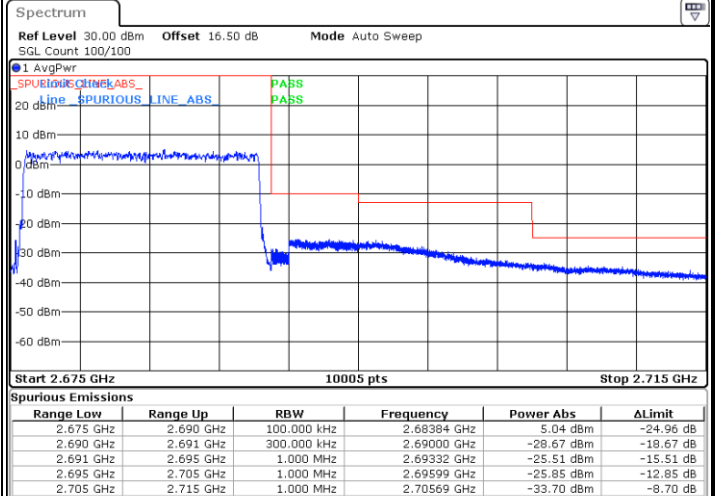
Date: 13.APR.2022 19:53:55

Lowest Band Edge / Full RB



Date: 13.APR.2022 19:52:57

Highest Band Edge / Full RB



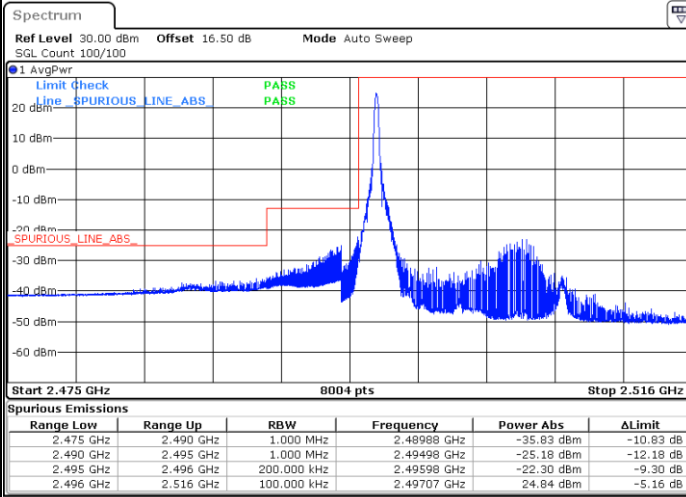
Date: 13.APR.2022 19:54:53





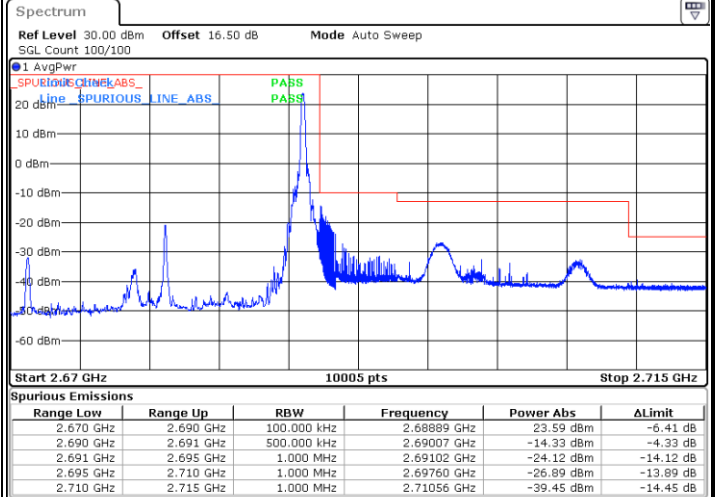
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



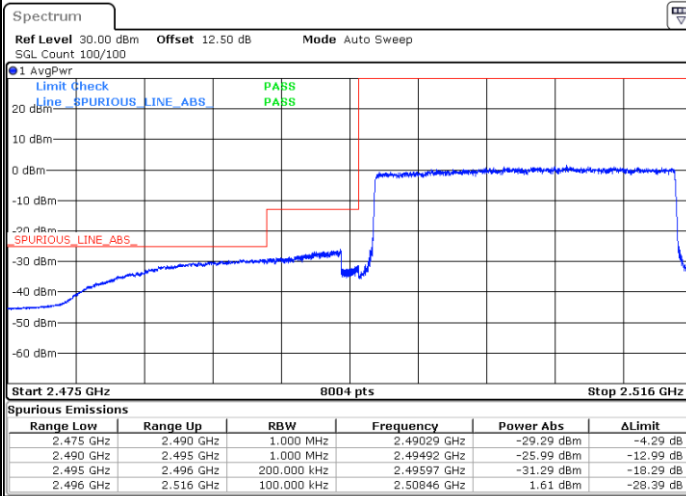
Date: 13.APR.2022 20:23:10

Highest Band Edge / 1 RB



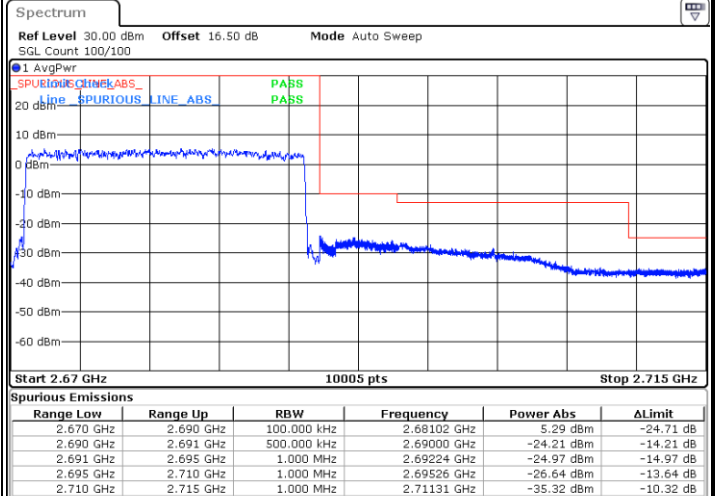
Date: 13.APR.2022 20:27:02

Lowest Band Edge / Full RB



Date: 13.APR.2022 22:13:14

Highest Band Edge / Full RB

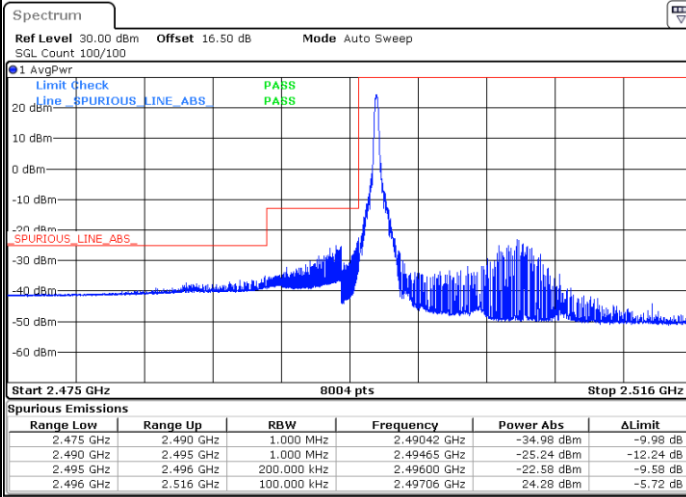


Date: 13.APR.2022 20:29:56



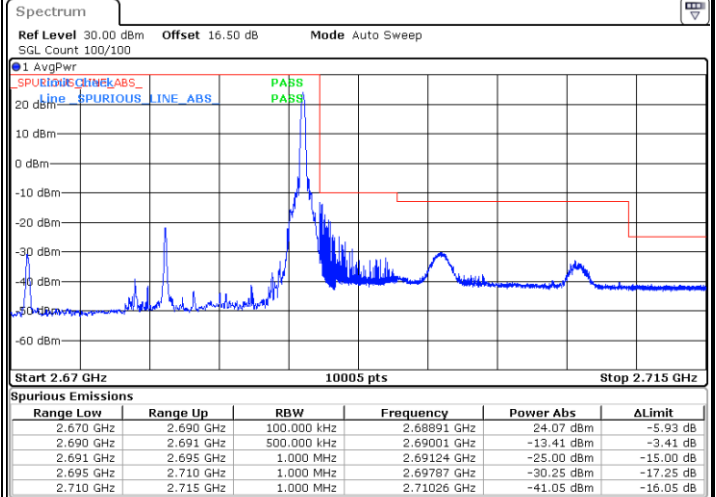
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



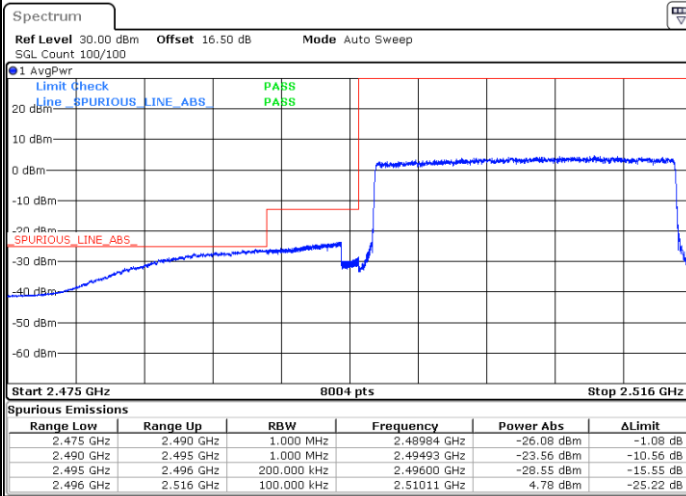
Date: 13.APR.2022 20:24:08

Highest Band Edge / 1 RB



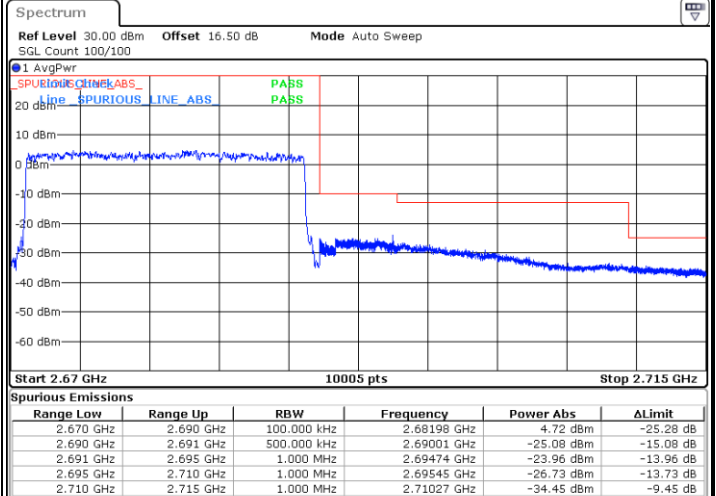
Date: 13.APR.2022 20:28:01

Lowest Band Edge / Full RB



Date: 13.APR.2022 20:26:04

Highest Band Edge / Full RB

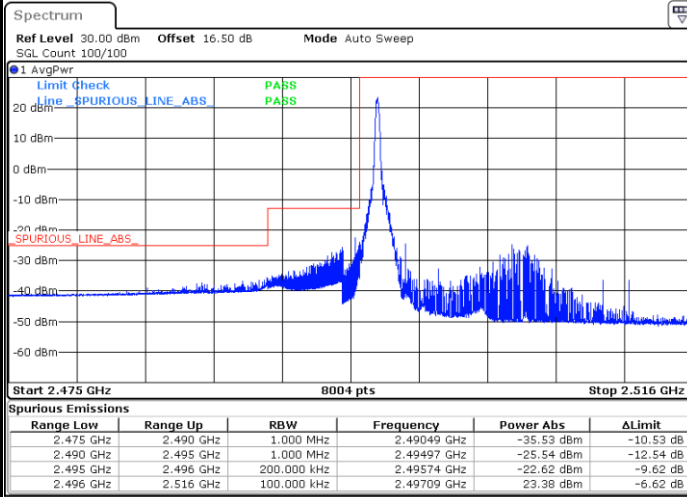


Date: 13.APR.2022 20:28:59



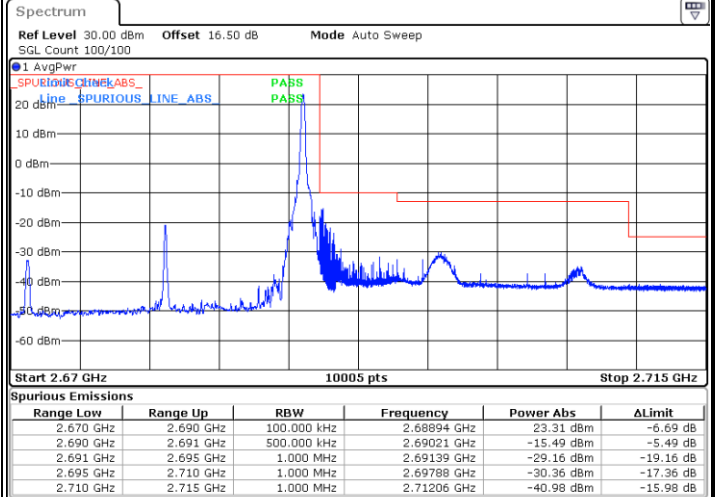
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



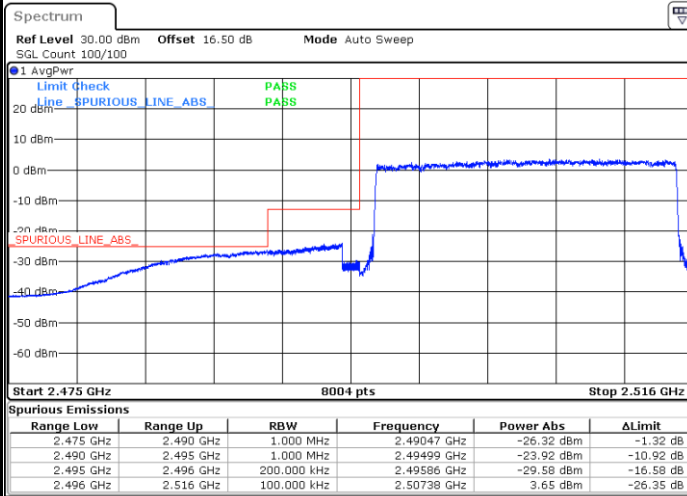
Date: 13.APR.2022 20:30:54

Highest Band Edge / 1 RB



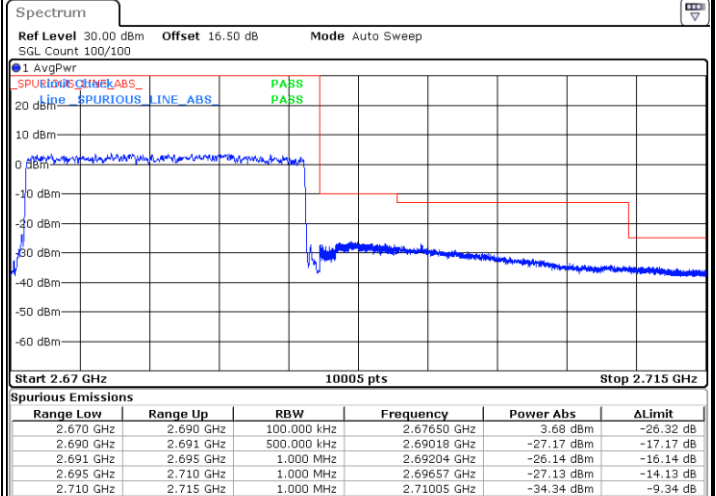
Date: 13.APR.2022 20:32:51

Lowest Band Edge / Full RB



Date: 13.APR.2022 20:31:53

Highest Band Edge / Full RB



Date: 13.APR.2022 20:33:48

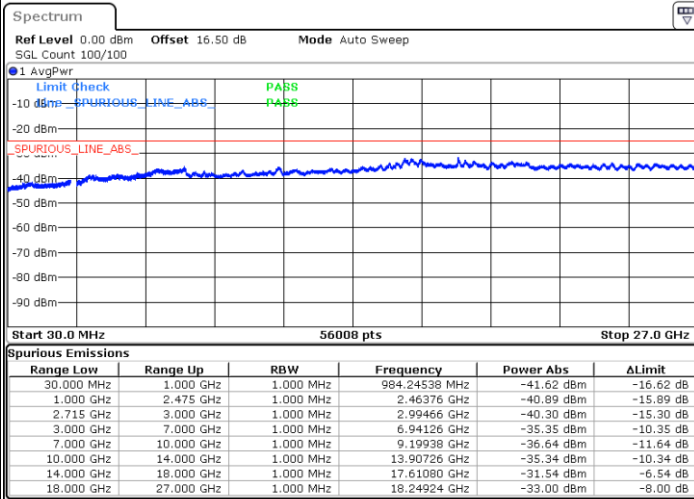
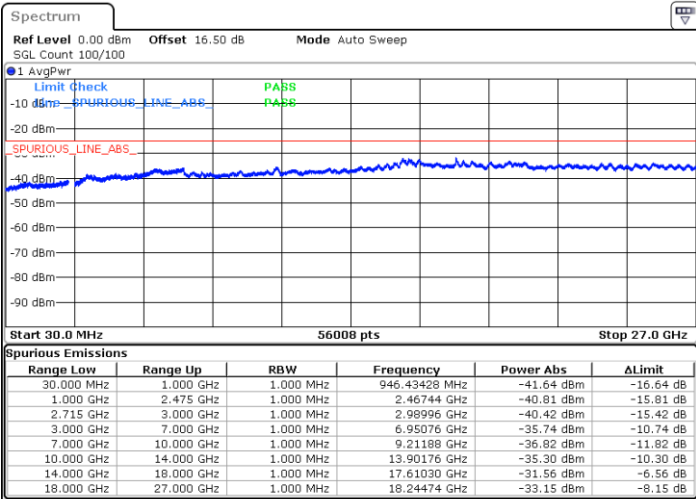


# Conducted Spurious Emission

## LTE Band 41 / 5MHz

### Lowest Channel / QPSK

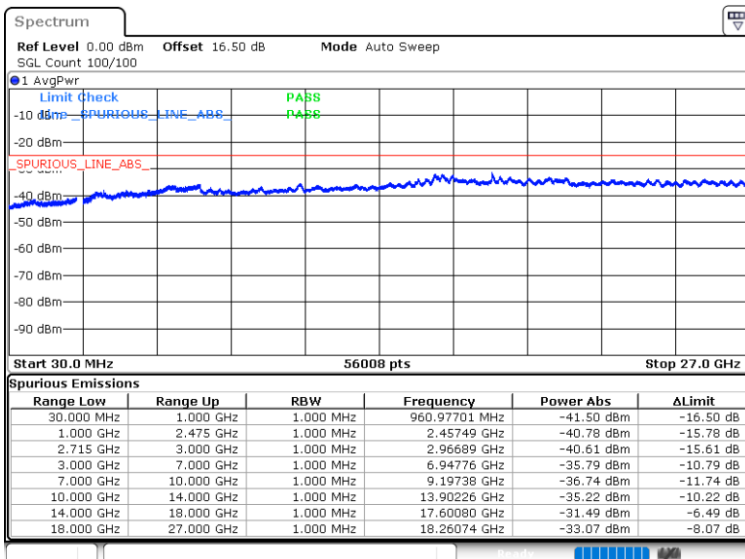
### Middle Channel / QPSK



Date: 13.APR.2022 19:34:04

Date: 13.APR.2022 19:35:08

### Highest Channel / QPSK



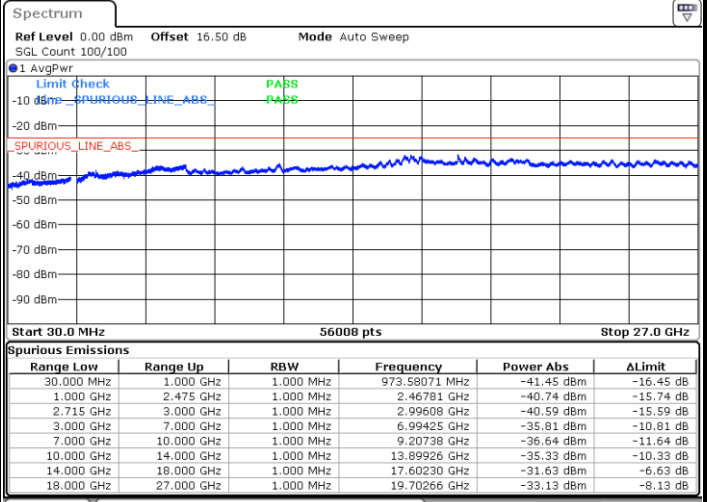
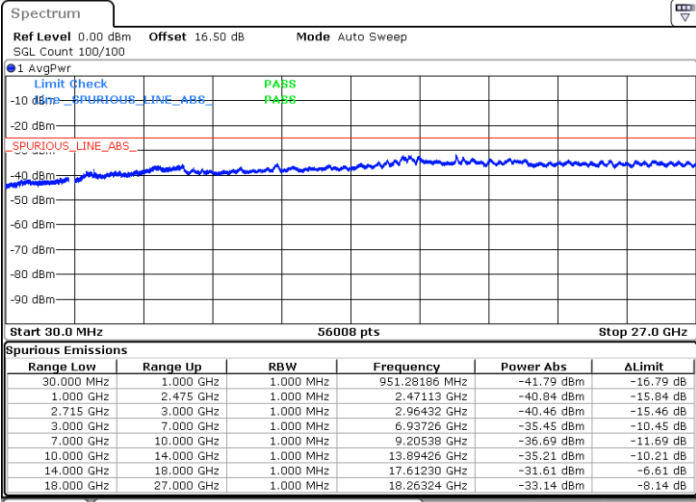
Date: 13.APR.2022 19:36:11



LTE Band 41 / 10MHz

Lowest Channel / QPSK

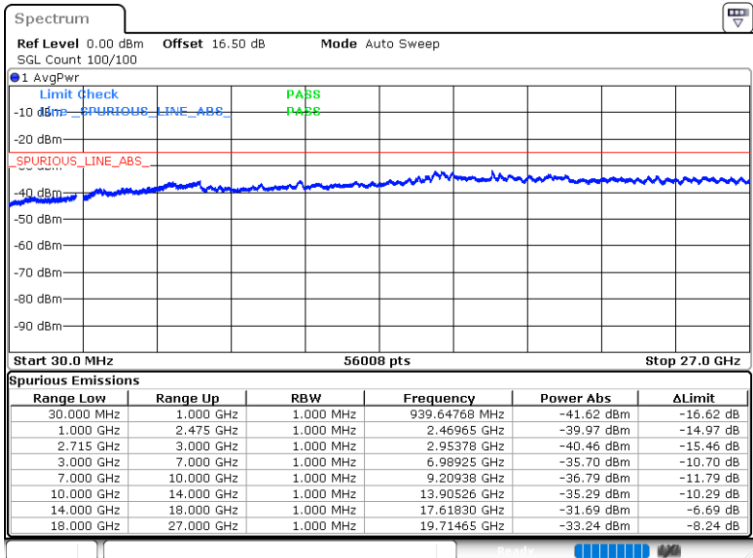
Middle Channel / QPSK



Date: 13.APR.2022 19:48:53

Date: 13.APR.2022 19:49:56

Highest Channel / QPSK



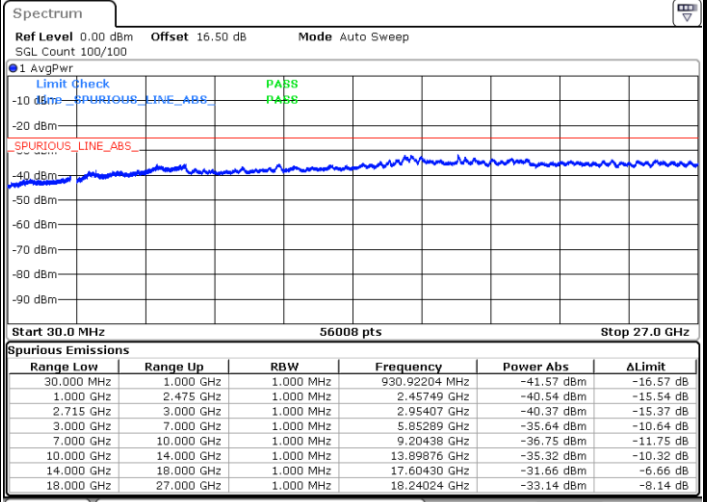
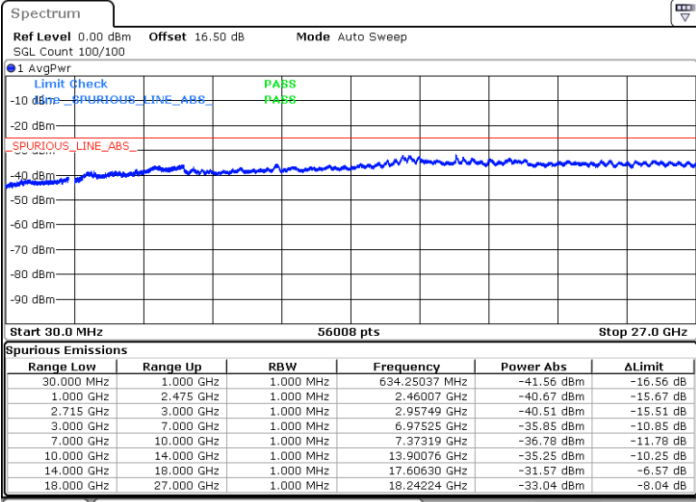
Date: 13.APR.2022 19:51:00



LTE Band 41 / 15MHz

Lowest Channel / QPSK

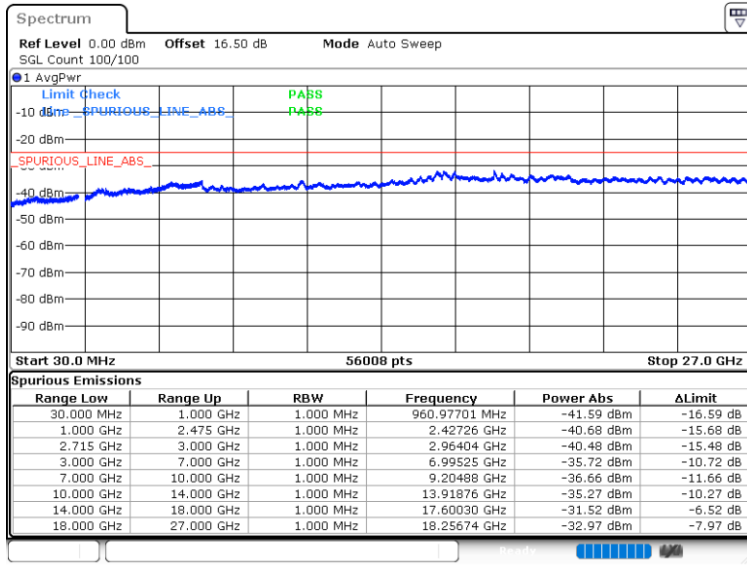
Middle Channel / QPSK



Date: 13.APR.2022 20:20:04

Date: 13.APR.2022 20:21:08

Highest Channel / QPSK



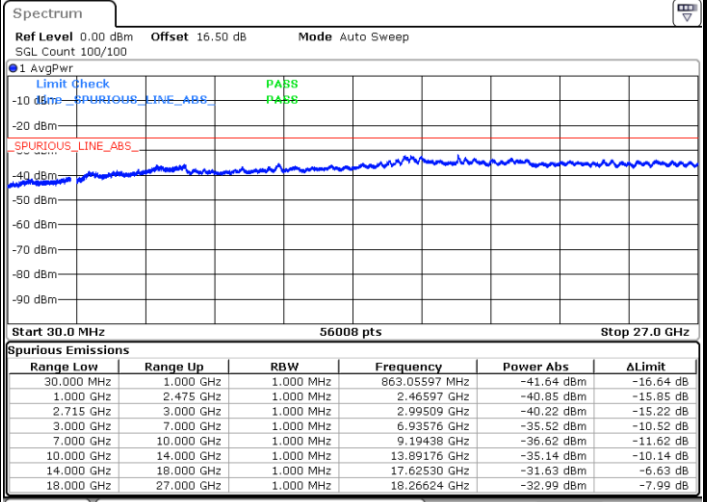
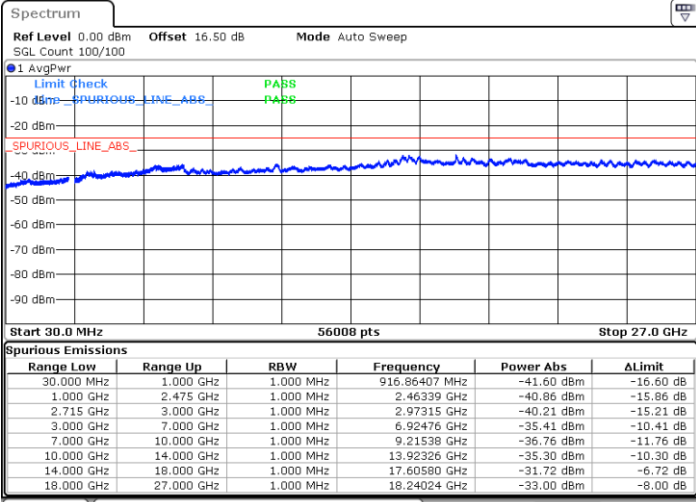
Date: 13.APR.2022 20:22:11



LTE Band 41 / 20MHz

Lowest Channel / QPSK

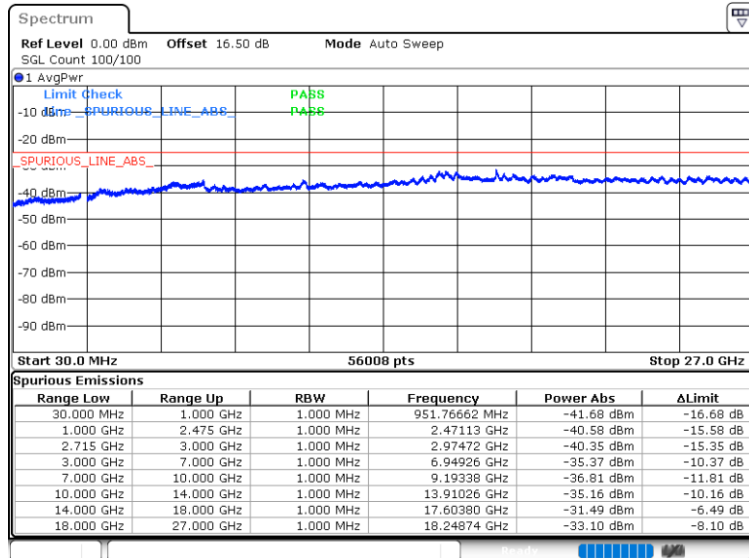
Middle Channel / QPSK



Date: 13.APR.2022 20:34:52

Date: 13.APR.2022 20:35:56

Highest Channel / QPSK



Date: 13.APR.2022 20:36:59



### 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	0.0019	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0057	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0060	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

**Note:**

- 1. Normal Voltage =14 V. ; Battery End Point (BEP) =12 V. ; Maximum Voltage =16 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.

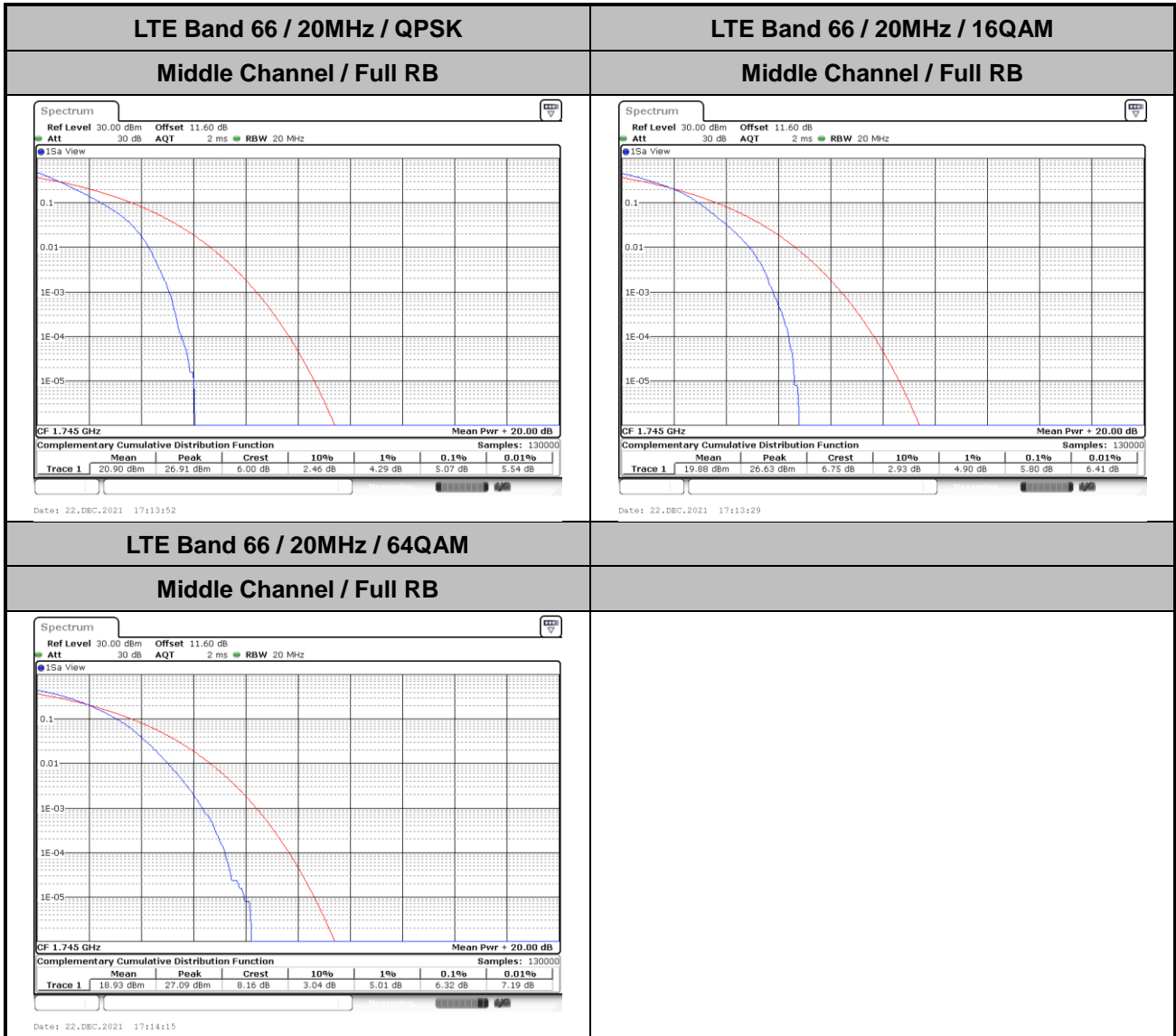




## LTE Band 66

### Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.07	5.80	6.32	<b>PASS</b>





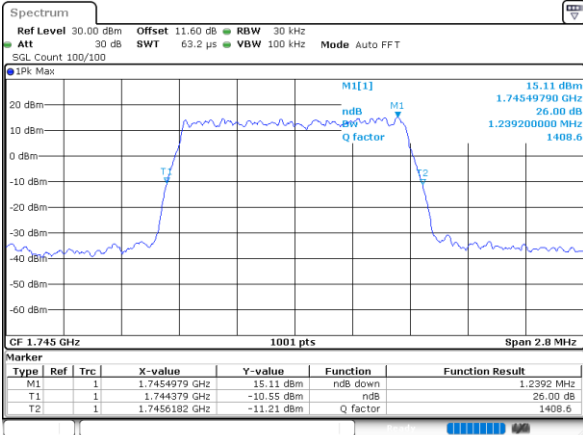
**26dB Bandwidth**

Mode	LTE Band 66 : 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	1.24	1.23	3.02	3.05	4.80	4.91	9.89	9.71	14.51	14.45	18.90	18.86
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.23	-	3.04	-	4.90	-	9.87	-	14.30	-	19.10	-



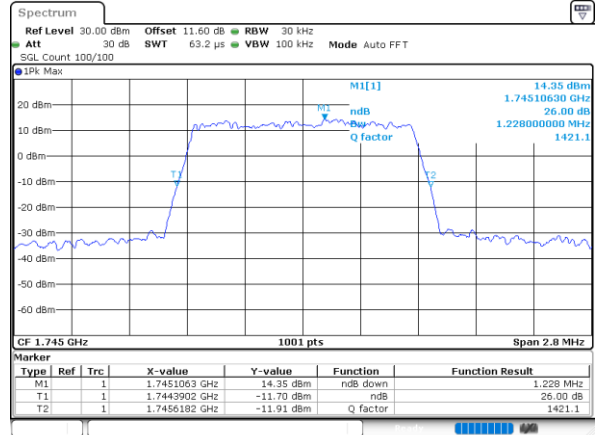
LTE Band 66

Middle Channel / 1.4MHz / QPSK



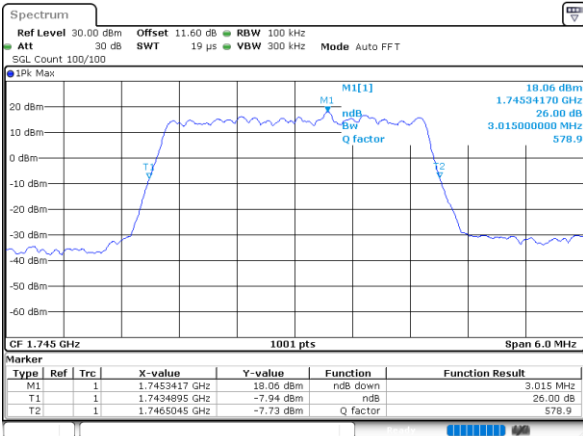
Date: 22.DEC.2021 15:33:29

Middle Channel / 1.4MHz / 16QAM



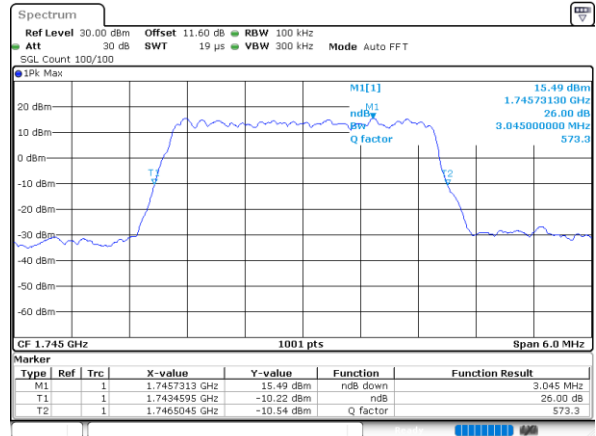
Date: 22.DEC.2021 15:33:51

Middle Channel / 3MHz / QPSK



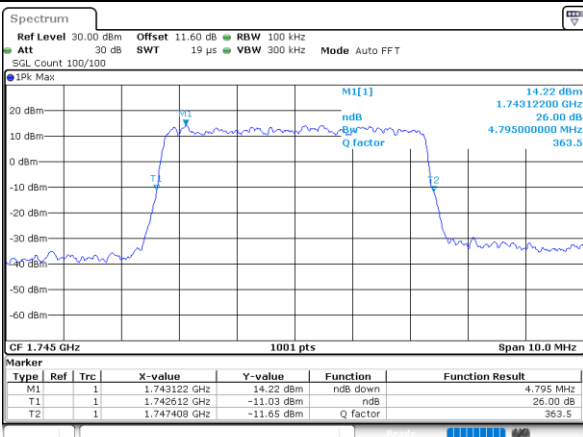
Date: 22.DEC.2021 15:43:13

Middle Channel / 3MHz / 16QAM



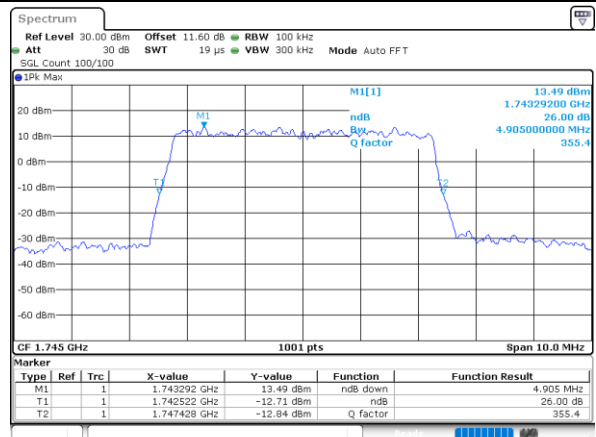
Date: 22.DEC.2021 15:43:34

Middle Channel / 5MHz / QPSK



Date: 22.DEC.2021 15:57:37

Middle Channel / 5MHz / 16QAM

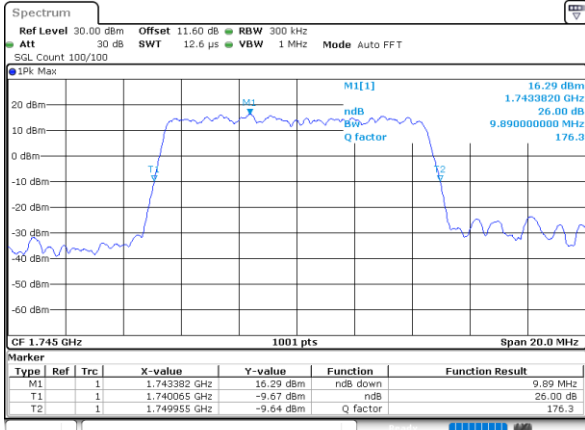


Date: 22.DEC.2021 15:57:58



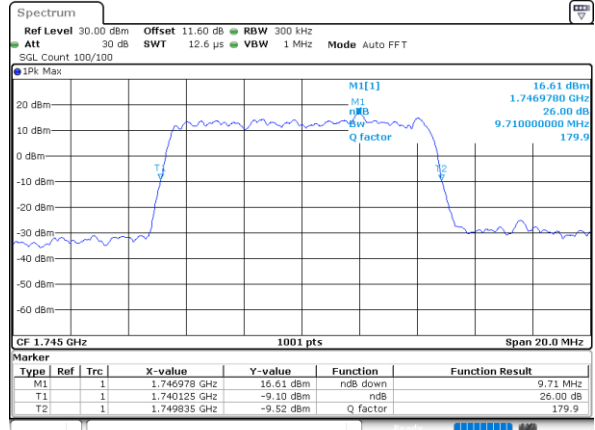
LTE Band 66

Middle Channel / 10MHz / QPSK



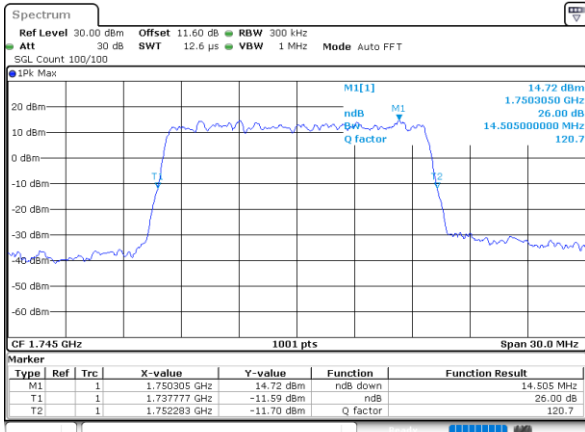
Date: 22.DEC.2021 16:33:17

Middle Channel / 10MHz / 16QAM



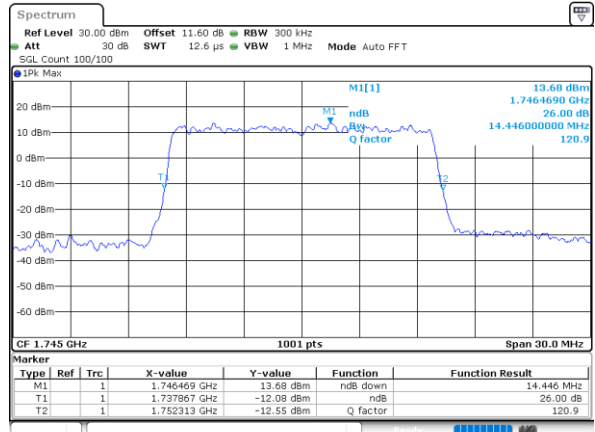
Date: 22.DEC.2021 16:33:38

Middle Channel / 15MHz / QPSK



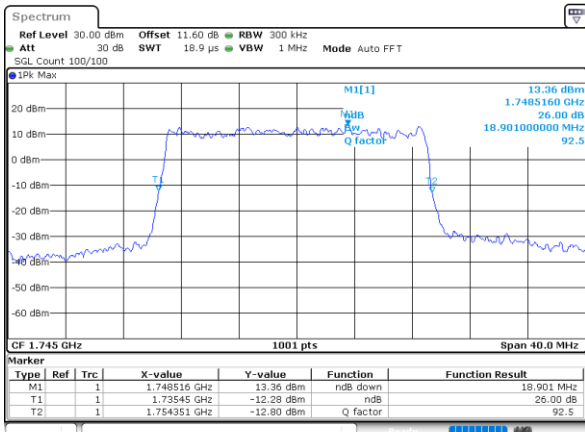
Date: 22.DEC.2021 16:57:44

Middle Channel / 15MHz / 16QAM



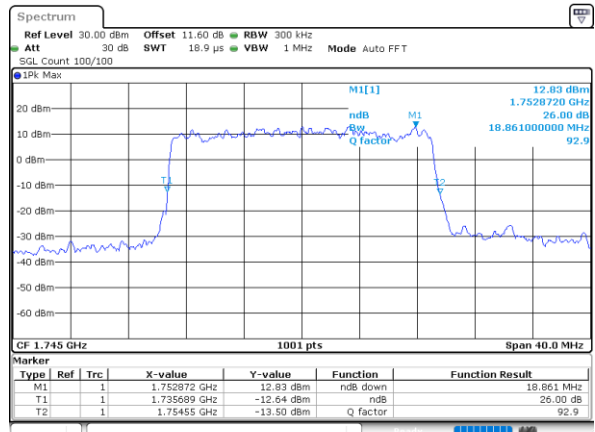
Date: 22.DEC.2021 16:58:05

Middle Channel / 20MHz / QPSK



Date: 22.DEC.2021 17:07:00

Middle Channel / 20MHz / 16QAM

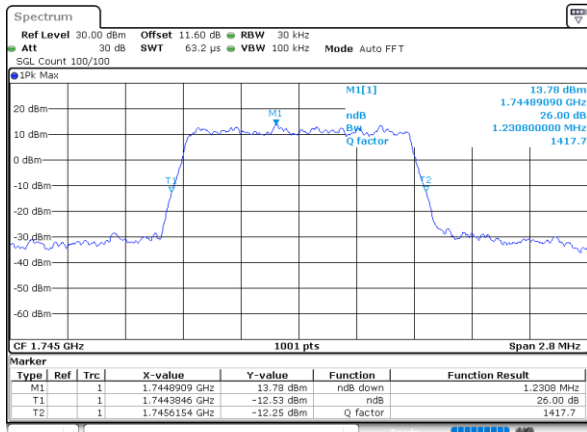


Date: 22.DEC.2021 17:07:22



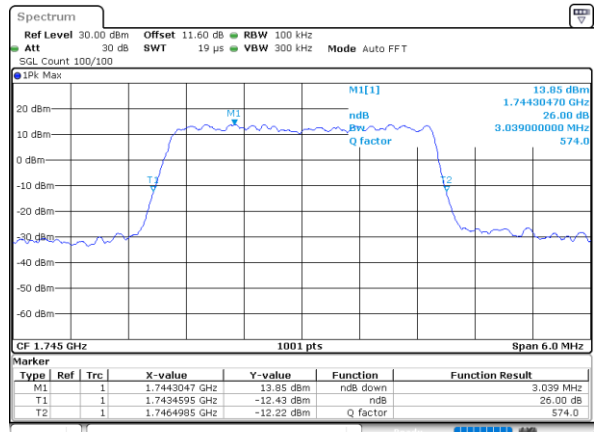
LTE Band 66

Middle Channel / 1.4MHz / 64QAM



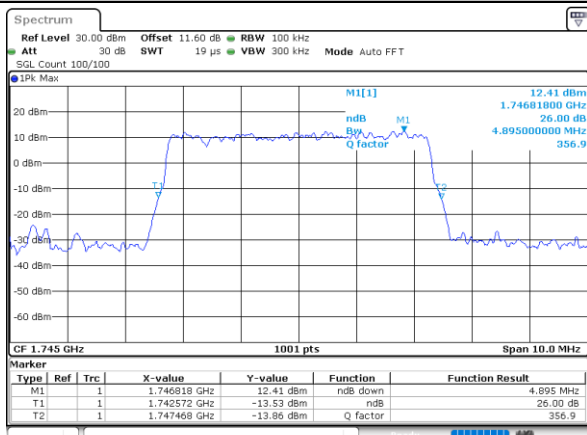
Date: 22, DEC, 2021 15:38:44

Middle Channel / 3MHz / 64QAM



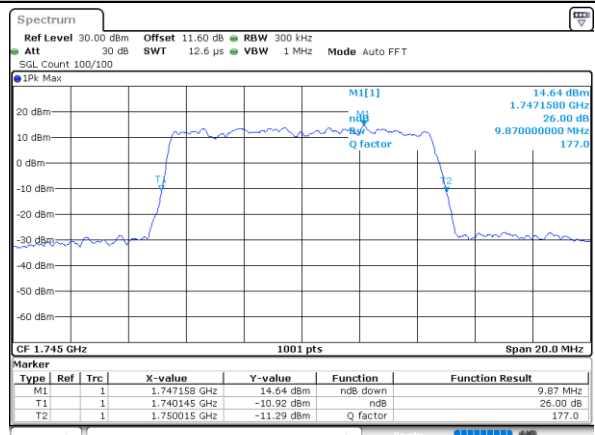
Date: 22, DEC, 2021 15:49:43

Middle Channel / 5MHz / 64QAM



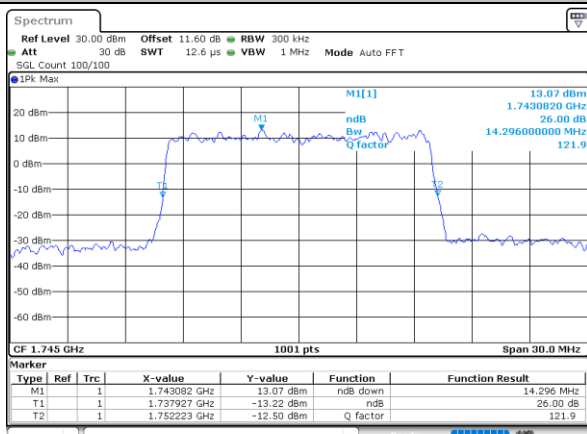
Date: 22, DEC, 2021 15:52:08

Middle Channel / 10MHz / 64QAM



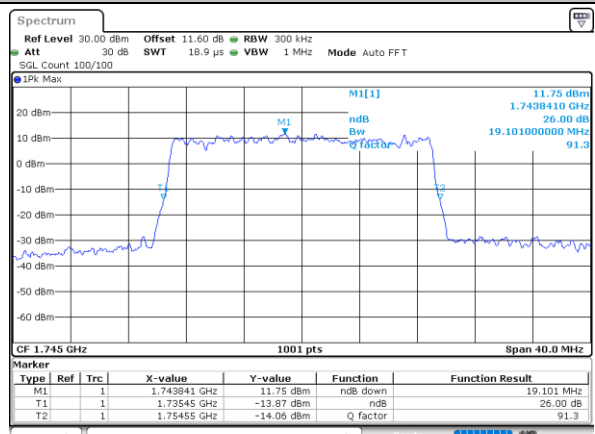
Date: 22, DEC, 2021 16:47:41

Middle Channel / 15MHz / 64QAM



Date: 22, DEC, 2021 16:50:05

Middle Channel / 20MHz / 64QAM



Date: 22, DEC, 2021 17:11:21:6