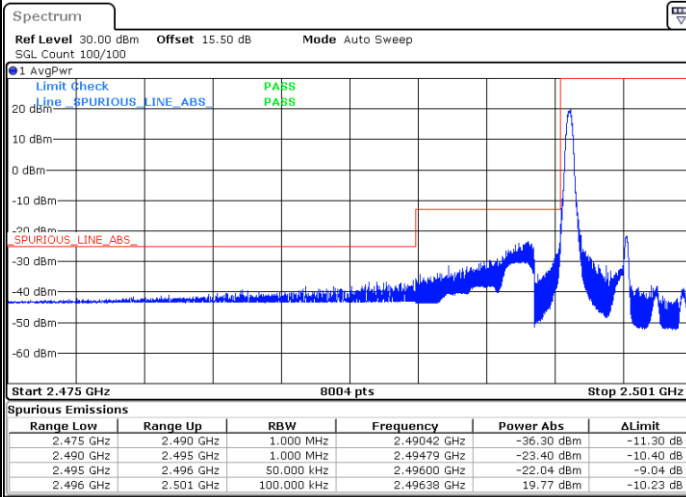




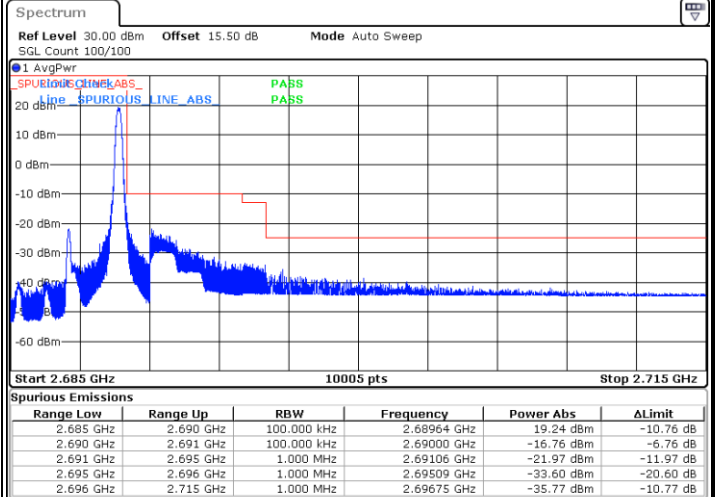
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



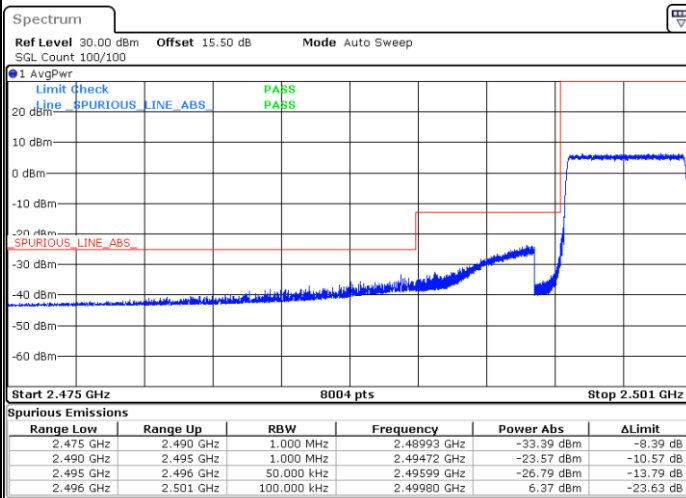
Date: 21.MAY.2022 06:27:39

Highest Band Edge / 1 RB



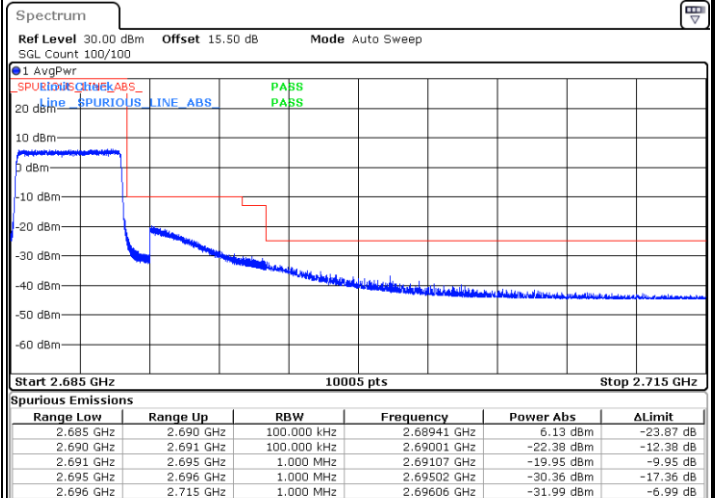
Date: 21.MAY.2022 06:30:03

Lowest Band Edge / Full RB



Date: 21.MAY.2022 06:28:51

Highest Band Edge / Full RB

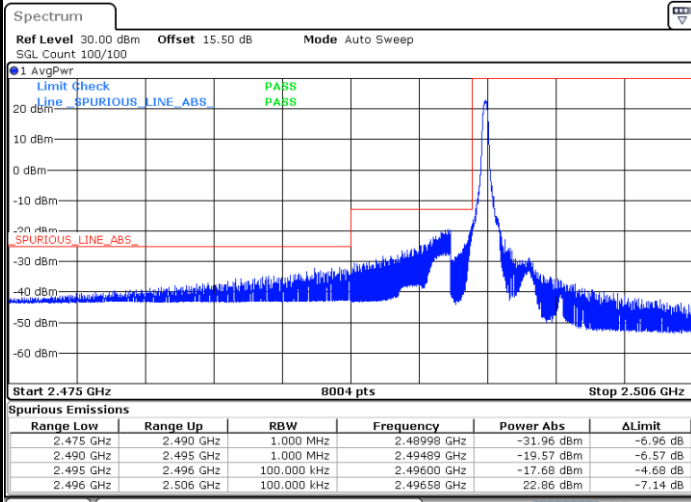


Date: 21.MAY.2022 06:31:16



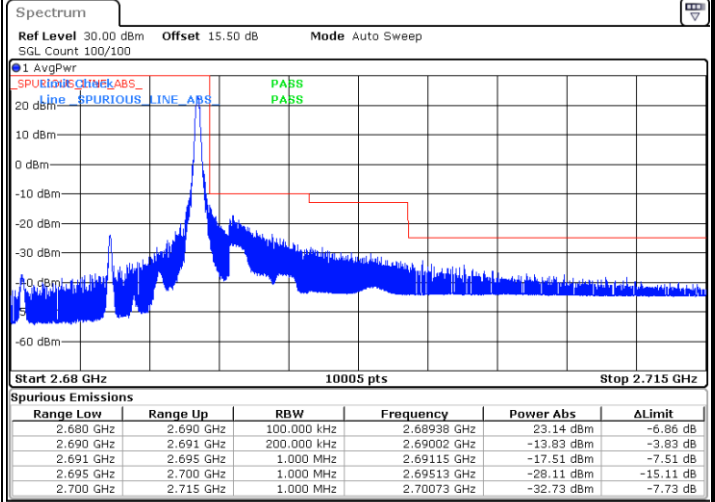
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



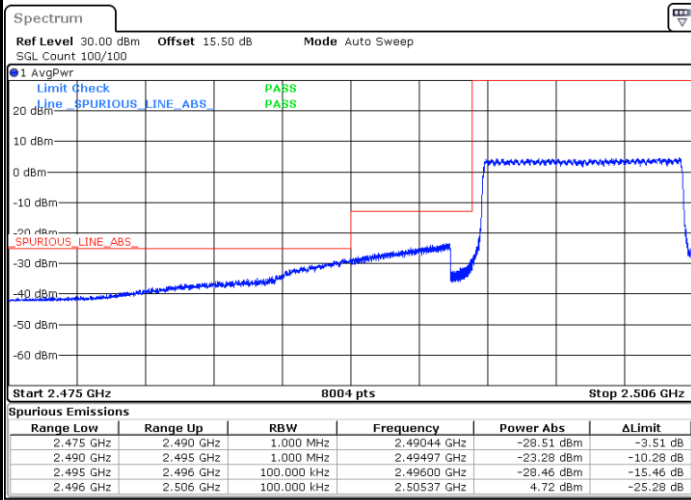
Date: 21.MAY.2022 05:34:11

Highest Band Edge / 1 RB



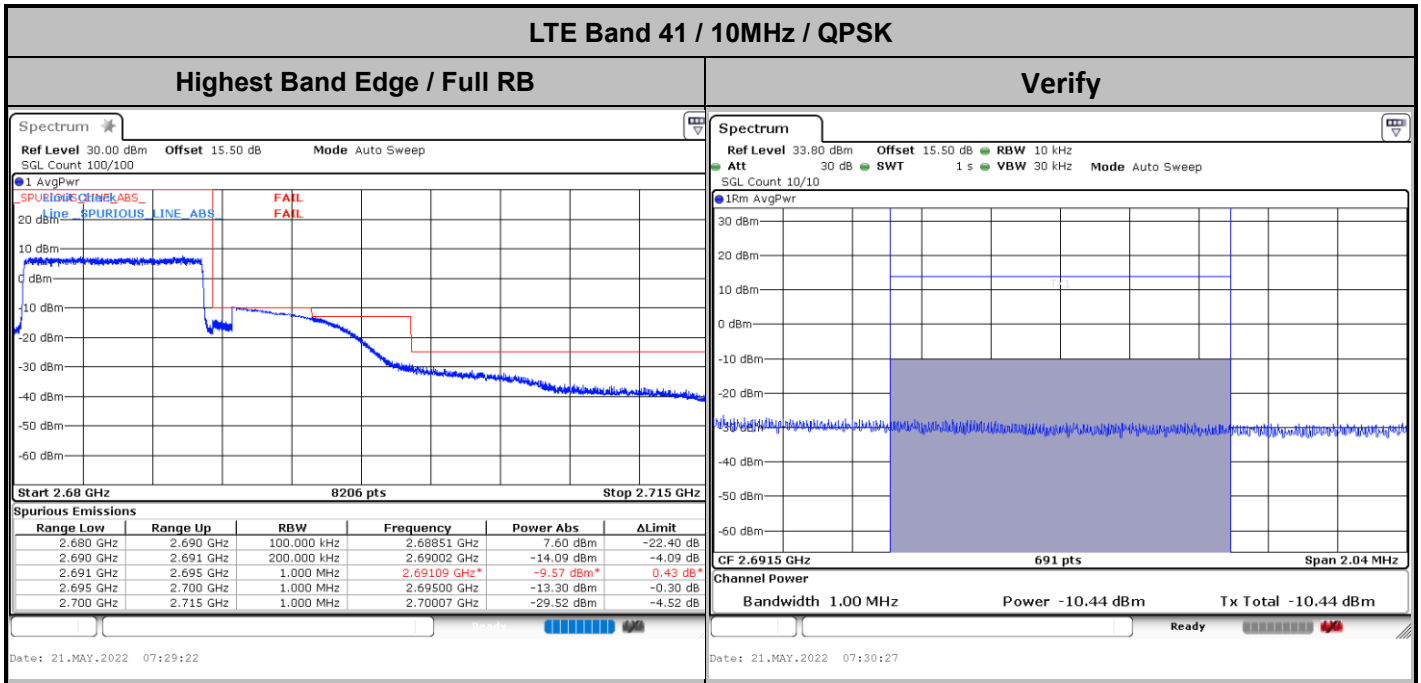
Date: 21.MAY.2022 05:38:48

Lowest Band Edge / Full RB



Date: 27.MAY.2022 13:02:39

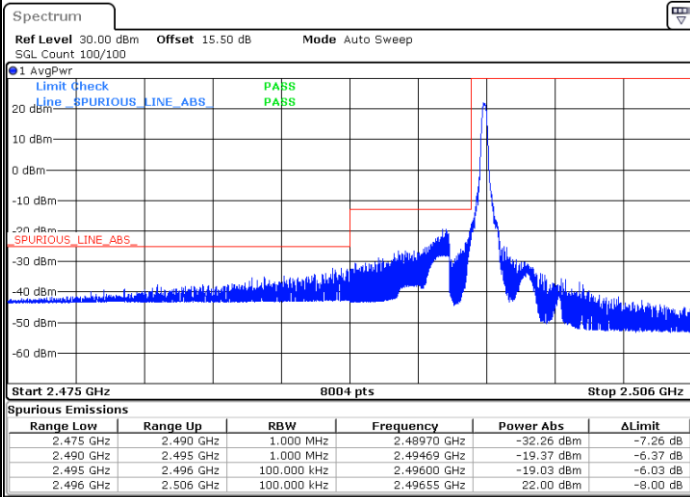
N/A





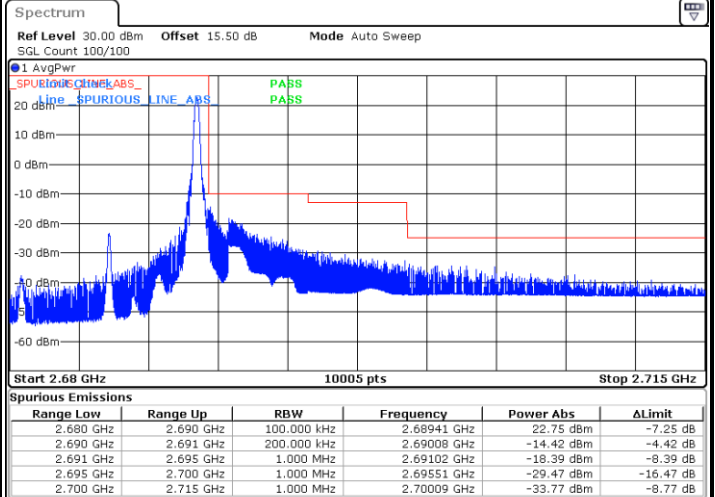
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



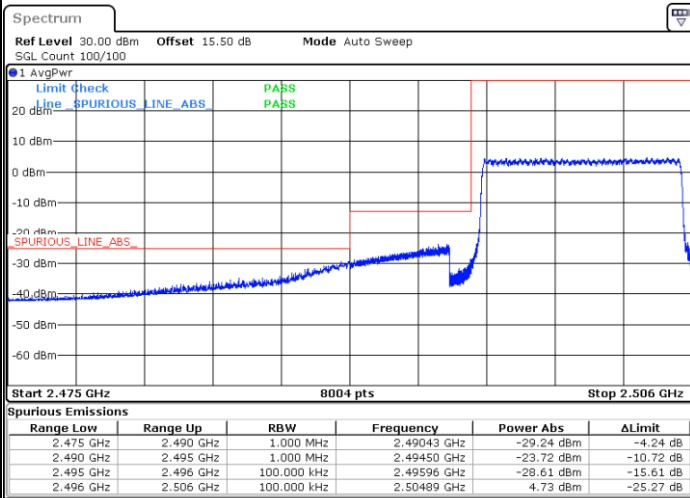
Date: 21.MAY.2022 05:35:20

Highest Band Edge / 1 RB



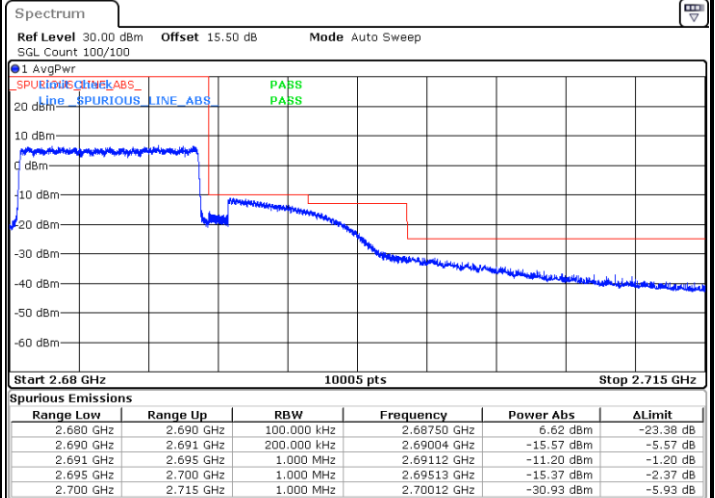
Date: 21.MAY.2022 05:39:57

Lowest Band Edge / Full RB



Date: 27.MAY.2022 13:04:46

Highest Band Edge / Full RB

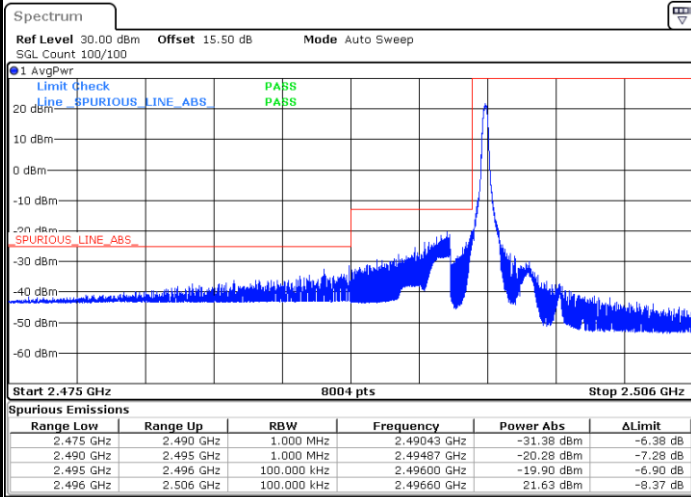


Date: 21.MAY.2022 05:42:15



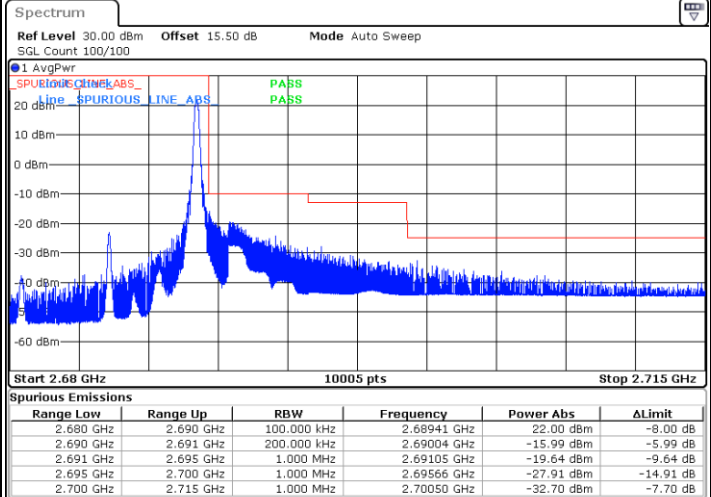
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



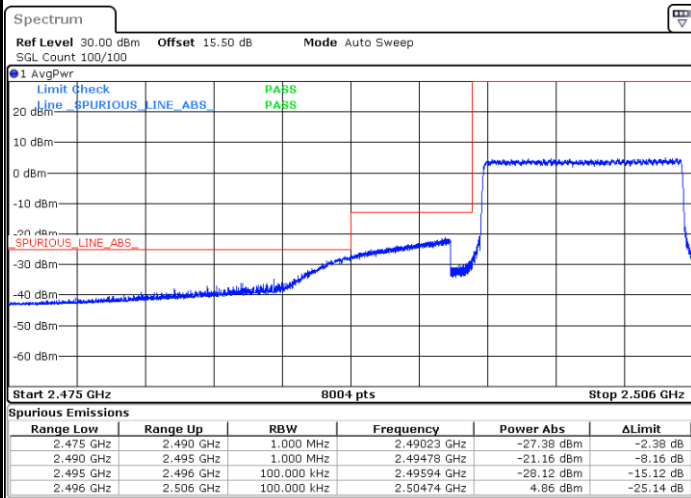
Date: 21.MAY.2022 05:43:25

Highest Band Edge / 1 RB



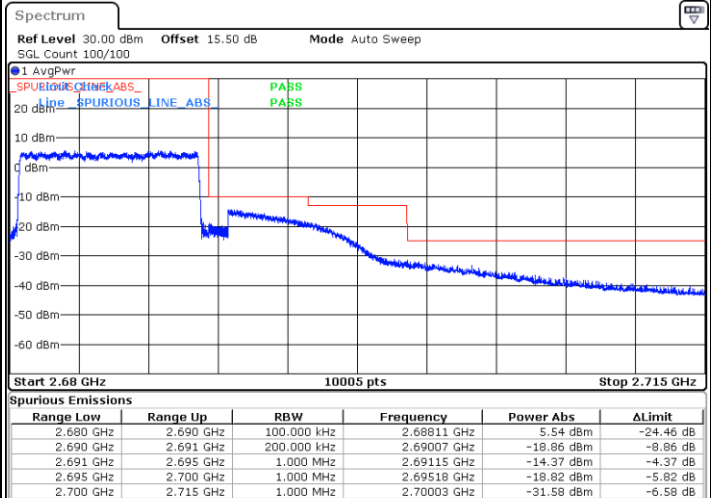
Date: 21.MAY.2022 05:45:43

Lowest Band Edge / Full RB



Date: 21.MAY.2022 05:44:34

Highest Band Edge / Full RB

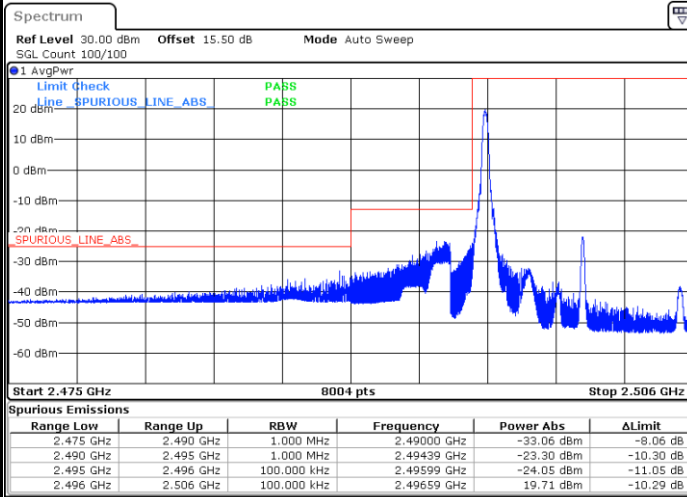


Date: 21.MAY.2022 05:46:52



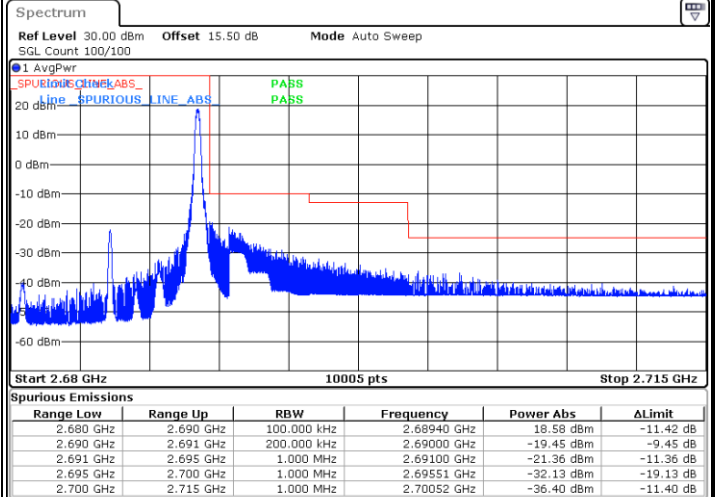
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



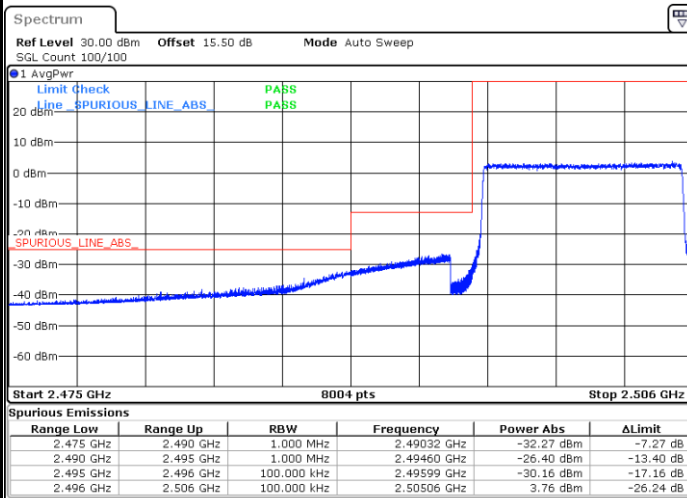
Date: 21.MAY.2022 06:32:30

Highest Band Edge / 1 RB



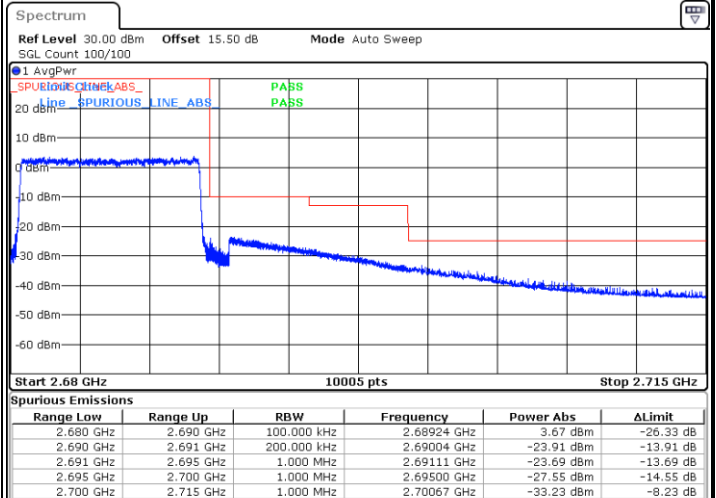
Date: 21.MAY.2022 06:35:54

Lowest Band Edge / Full RB



Date: 21.MAY.2022 06:34:42

Highest Band Edge / Full RB

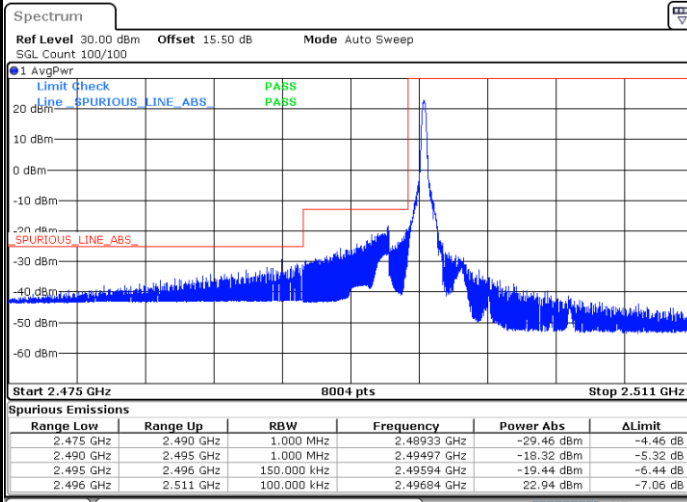


Date: 21.MAY.2022 06:37:06



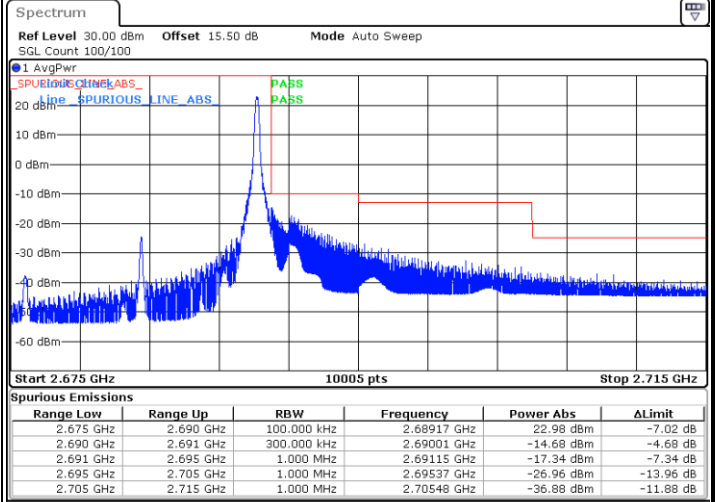
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



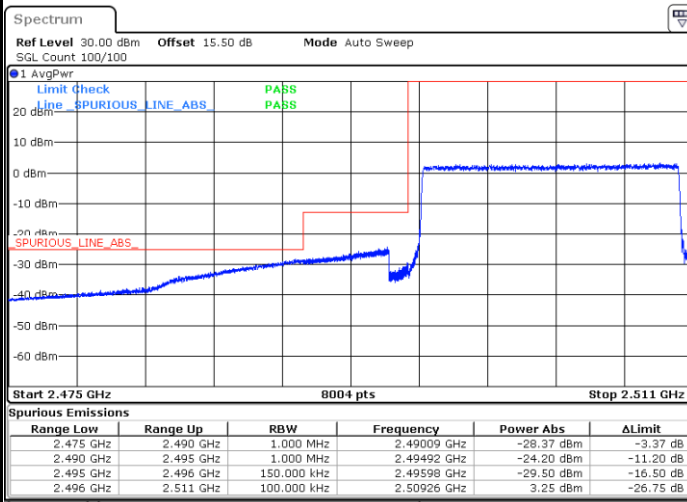
Date: 21.MAY.2022 05:56:37

Highest Band Edge / 1 RB



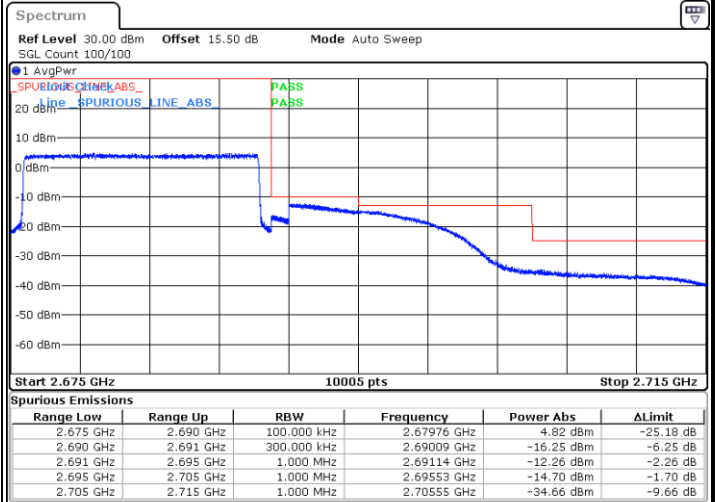
Date: 21.MAY.2022 06:01:14

Lowest Band Edge / Full RB



Date: 1.JUN.2022 09:50:31

Highest Band Edge / Full RB

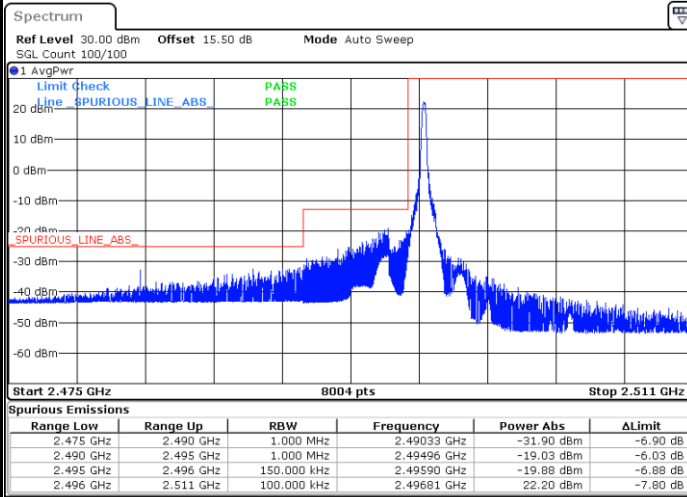


Date: 21.MAY.2022 06:03:32



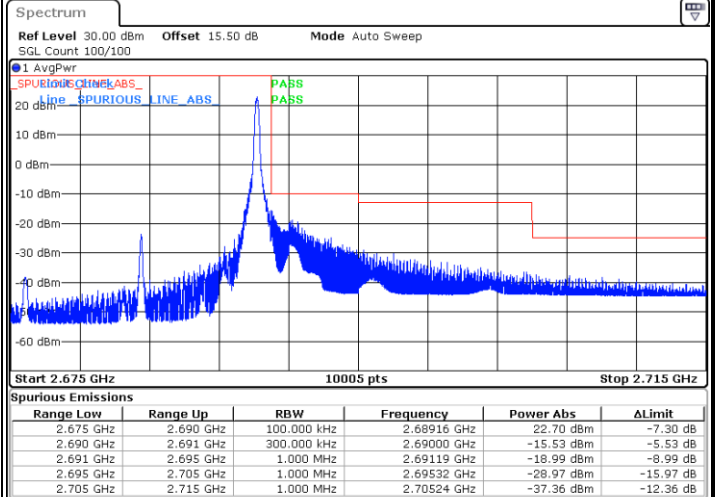
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



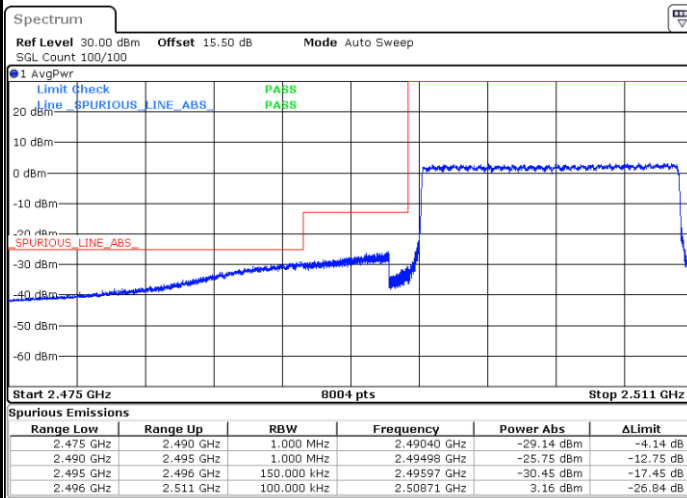
Date: 21.MAY.2022 05:57:46

Highest Band Edge / 1 RB



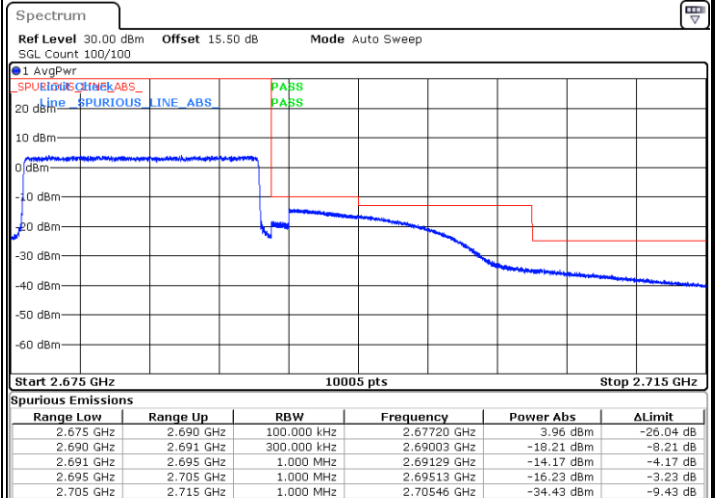
Date: 21.MAY.2022 06:02:23

Lowest Band Edge / Full RB



Date: 1.JUN.2022 09:51:38

Highest Band Edge / Full RB



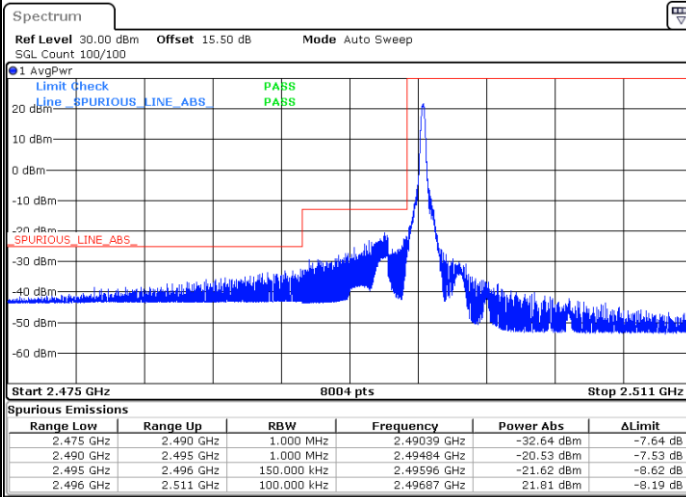
Date: 21.MAY.2022 06:04:41





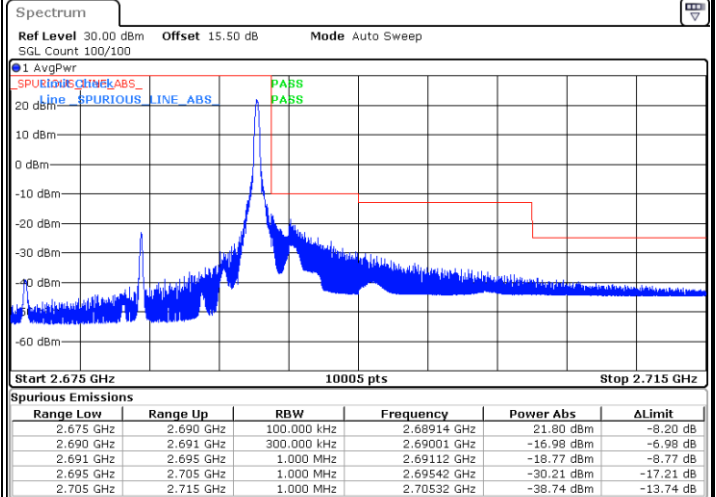
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



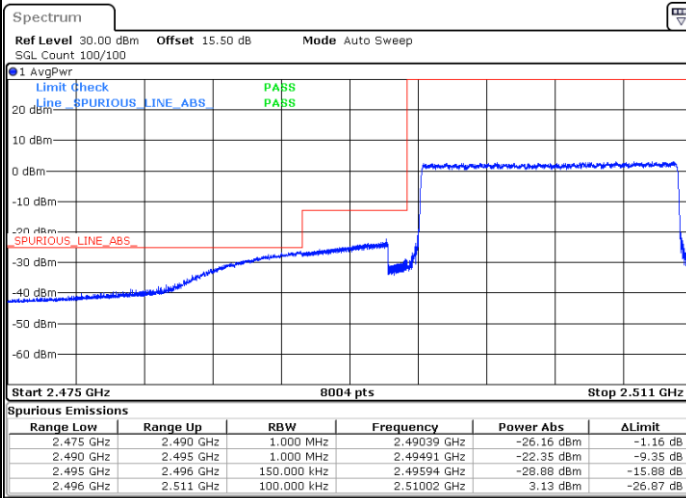
Date: 21.MAY.2022 05:52:00

Highest Band Edge / 1 RB



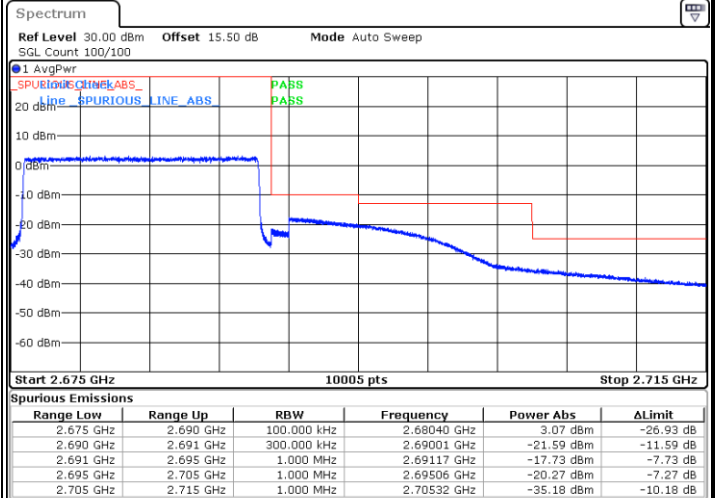
Date: 21.MAY.2022 05:54:18

Lowest Band Edge / Full RB



Date: 21.MAY.2022 05:53:09

Highest Band Edge / Full RB

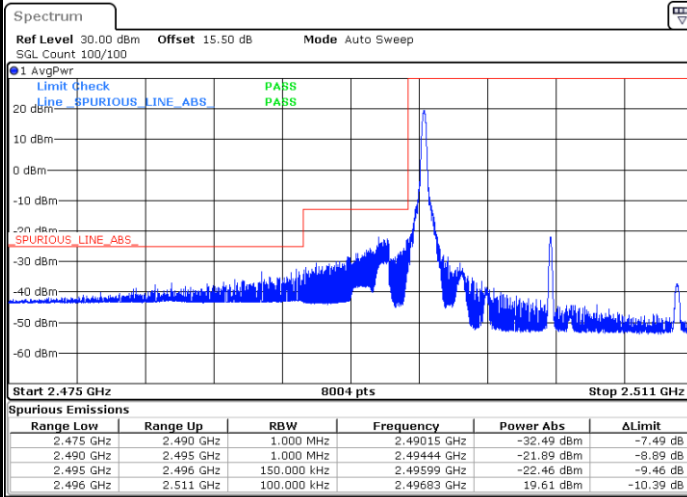


Date: 21.MAY.2022 05:55:27



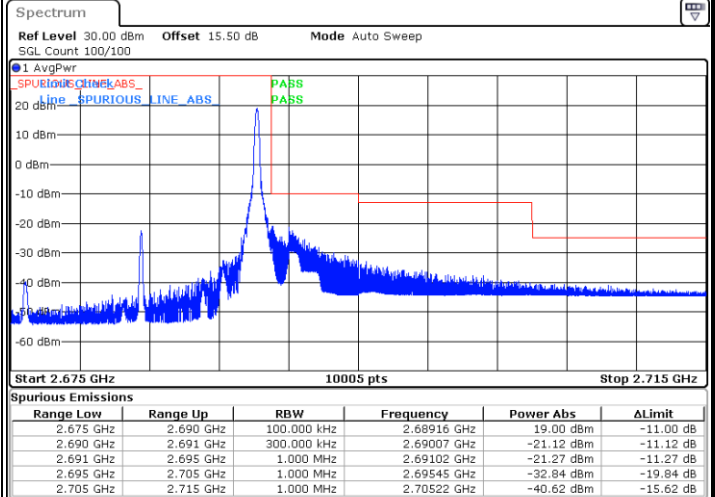
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



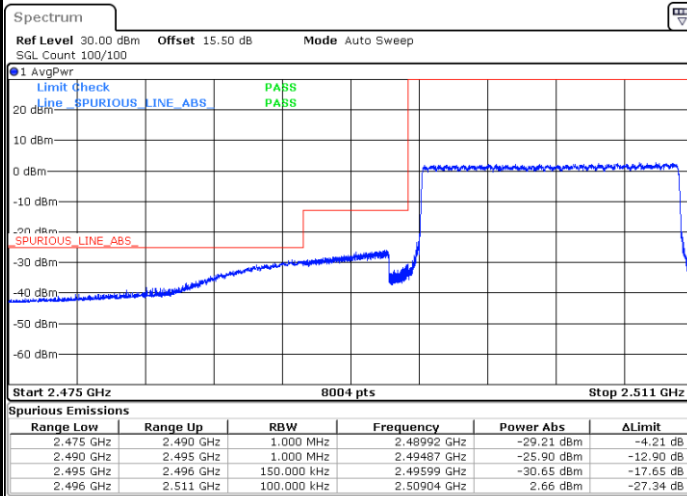
Date: 21.MAY.2022 06:38:21

Highest Band Edge / 1 RB



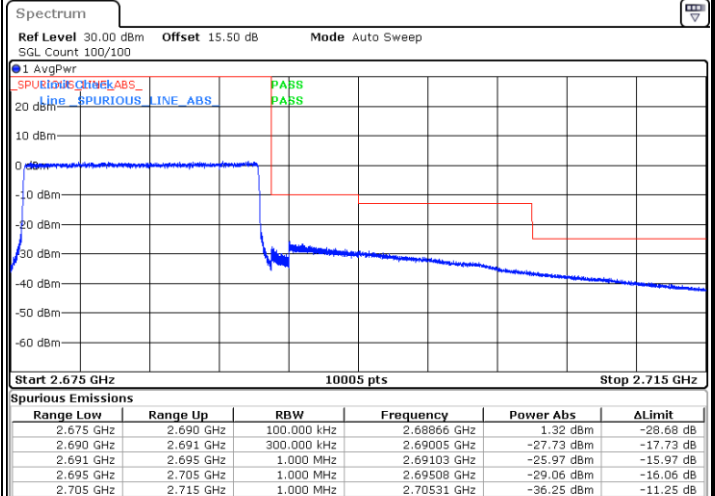
Date: 21.MAY.2022 06:40:44

Lowest Band Edge / Full RB



Date: 21.MAY.2022 06:39:33

Highest Band Edge / Full RB

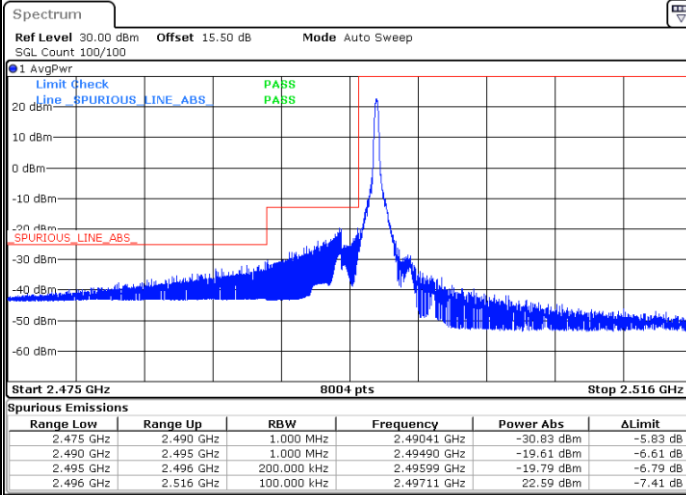


Date: 21.MAY.2022 06:41:57



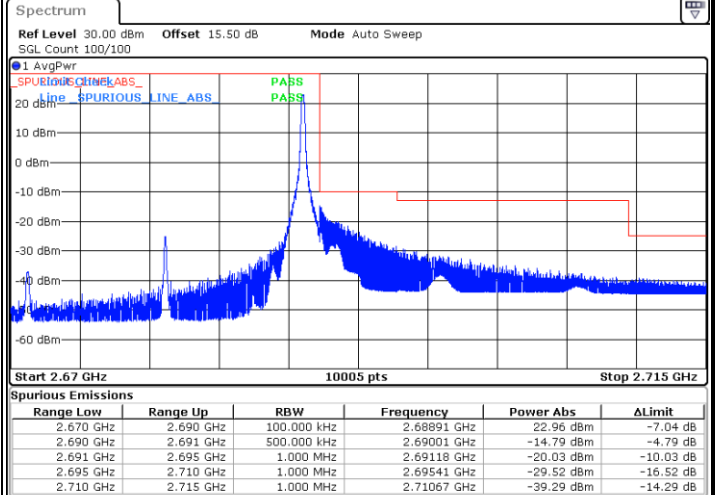
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



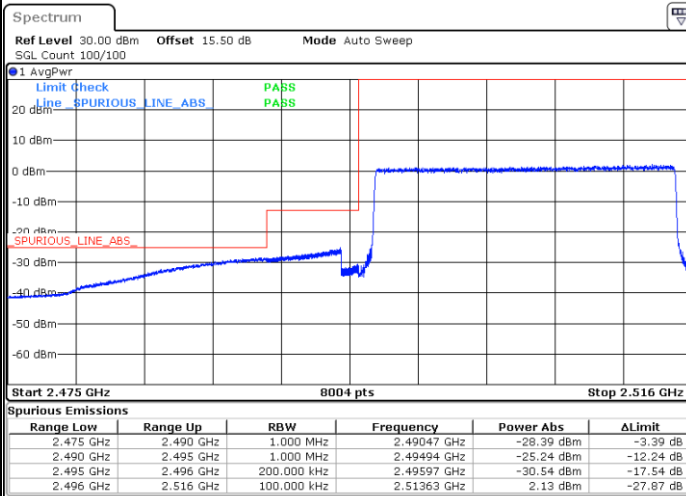
Date: 21.MAY.2022 06:09:49

Highest Band Edge / 1 RB



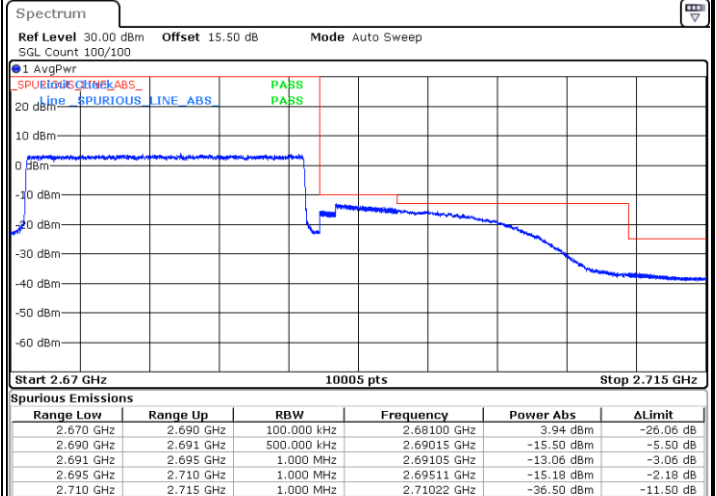
Date: 21.MAY.2022 06:14:25

Lowest Band Edge / Full RB



Date: 1.JUN.2022 09:56:08

Highest Band Edge / Full RB

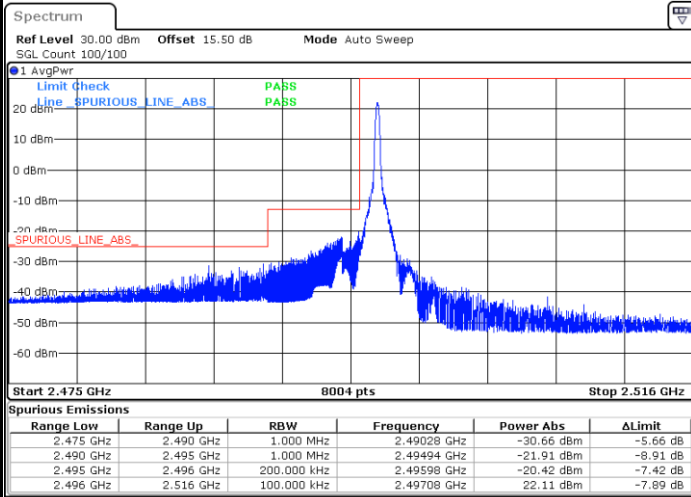


Date: 21.MAY.2022 06:17:52



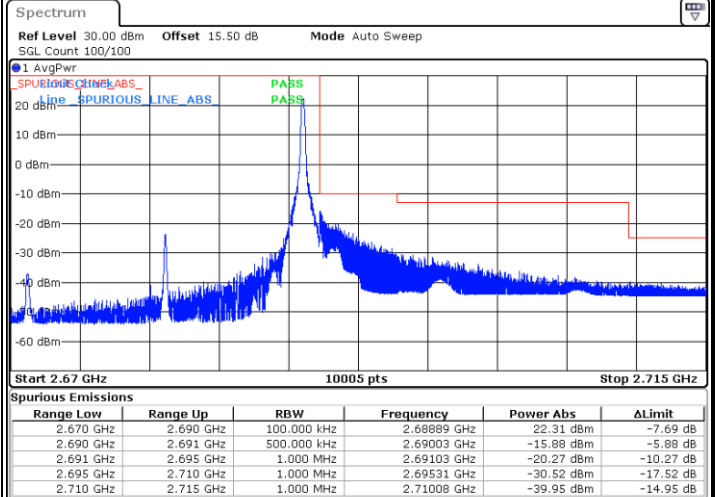
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



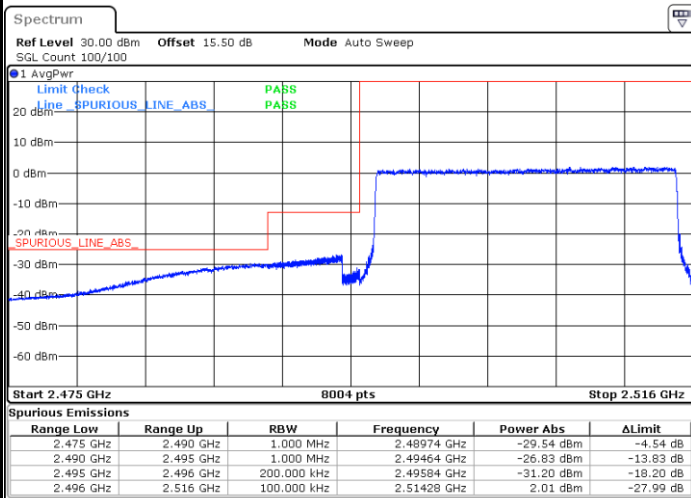
Date: 21.MAY.2022 06:10:58

Highest Band Edge / 1 RB



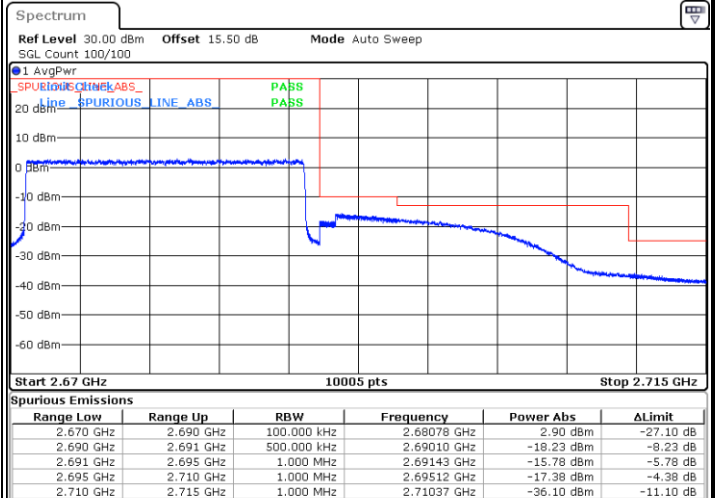
Date: 21.MAY.2022 06:15:34

Lowest Band Edge / Full RB



Date: 1.JUN.2022 09:57:08

Highest Band Edge / Full RB

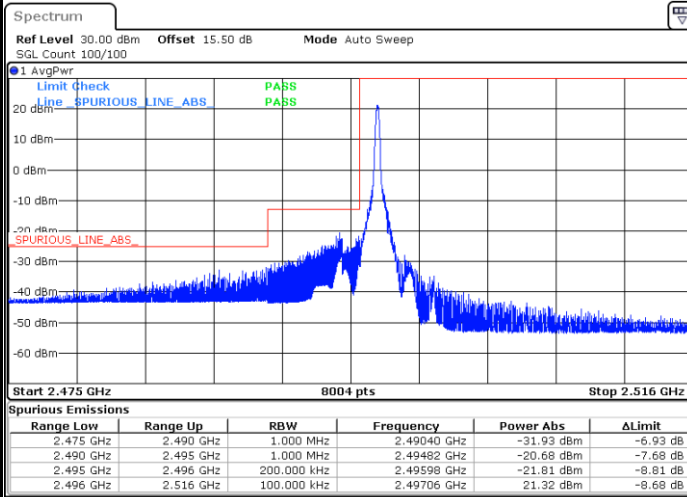


Date: 21.MAY.2022 06:16:43



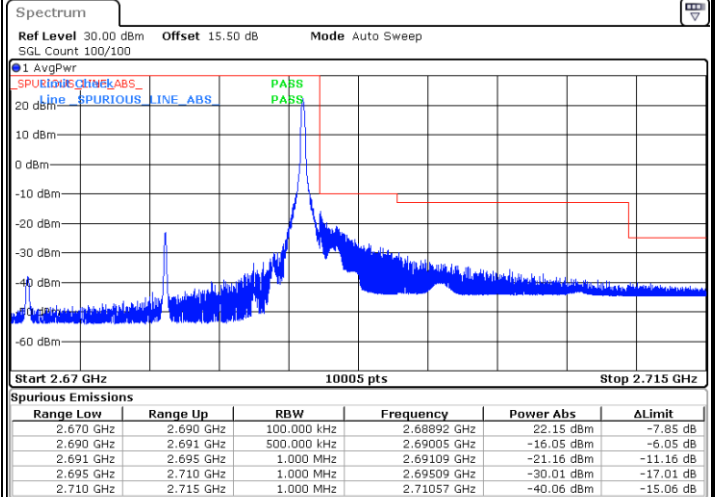
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



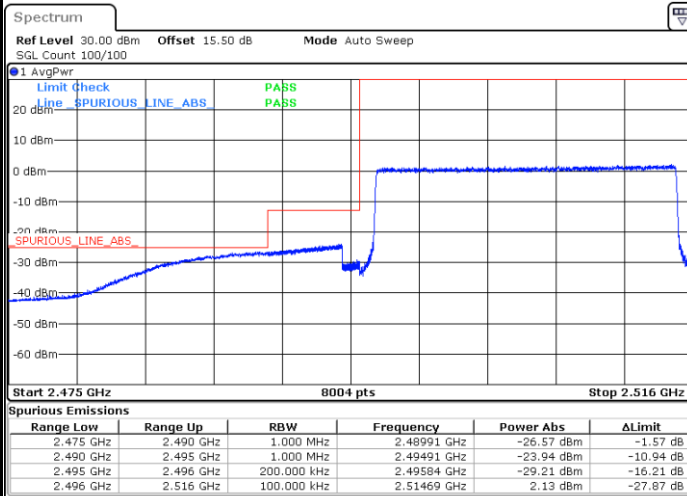
Date: 21.MAY.2022 06:19:01

Highest Band Edge / 1 RB



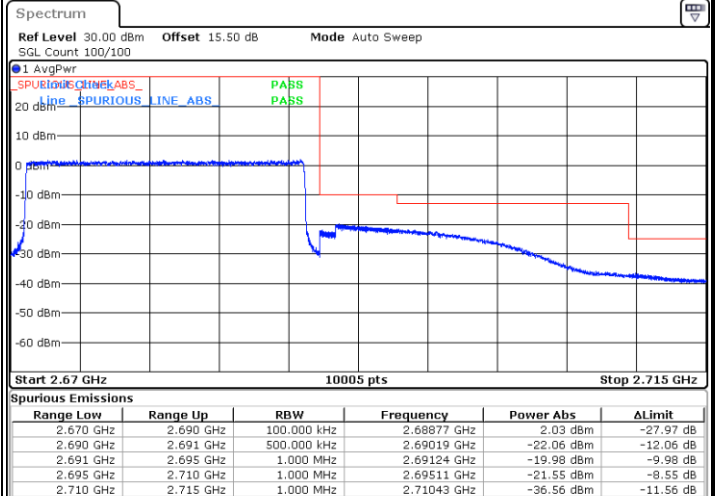
Date: 21.MAY.2022 06:21:19

Lowest Band Edge / Full RB



Date: 21.MAY.2022 06:20:10

Highest Band Edge / Full RB

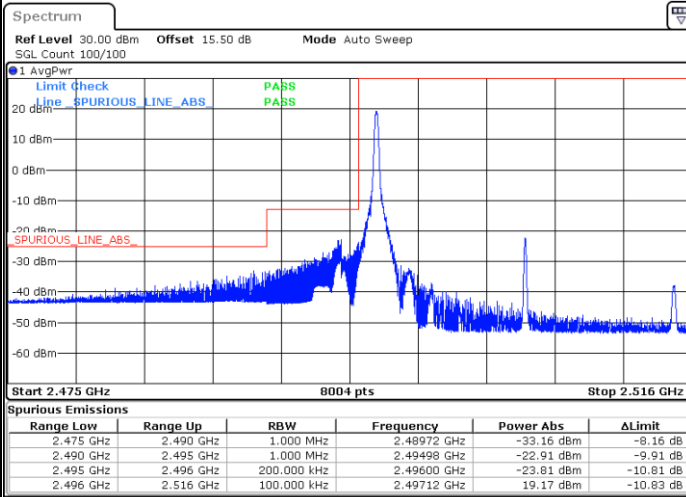


Date: 21.MAY.2022 06:22:28



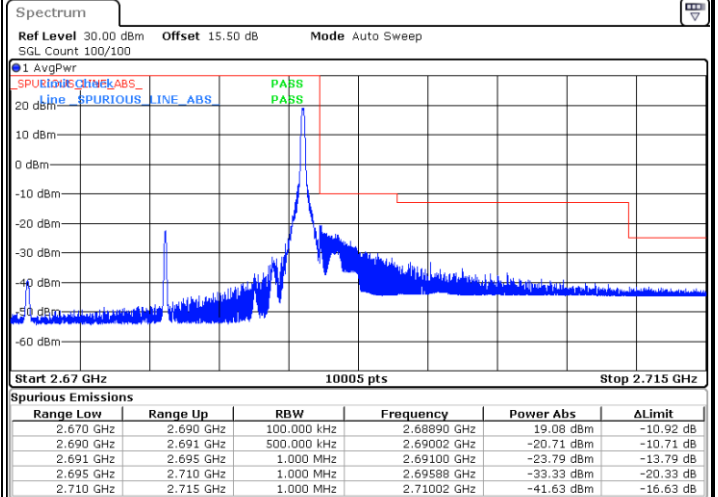
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



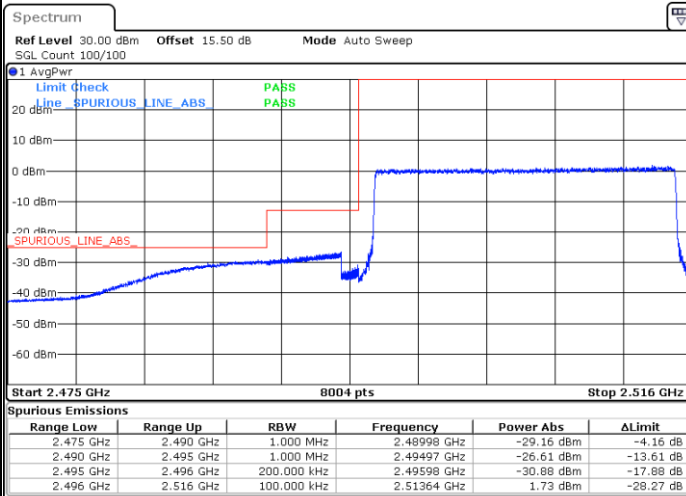
Date: 21.MAY.2022 06:43:12

Highest Band Edge / 1 RB



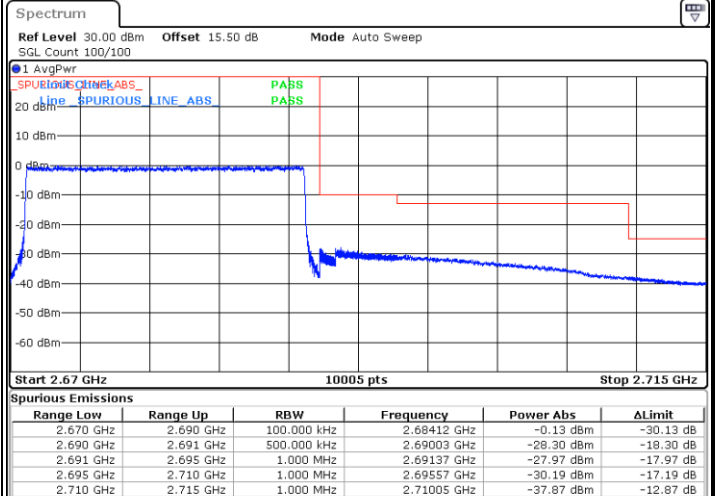
Date: 21.MAY.2022 06:45:36

Lowest Band Edge / Full RB



Date: 21.MAY.2022 06:44:24

Highest Band Edge / Full RB



Date: 21.MAY.2022 06:46:48

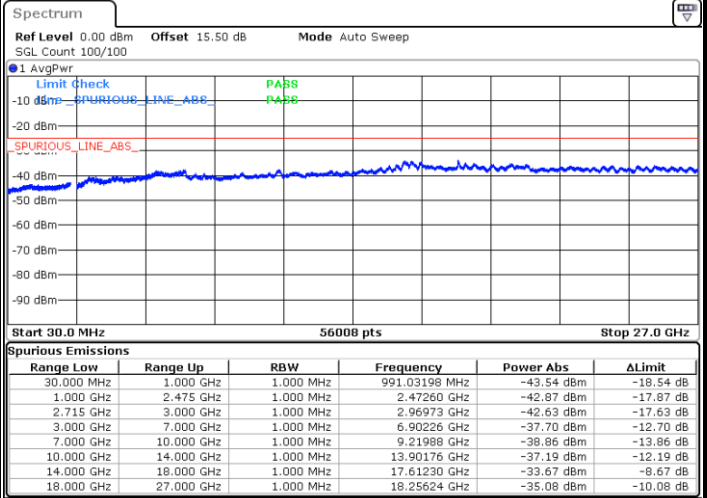
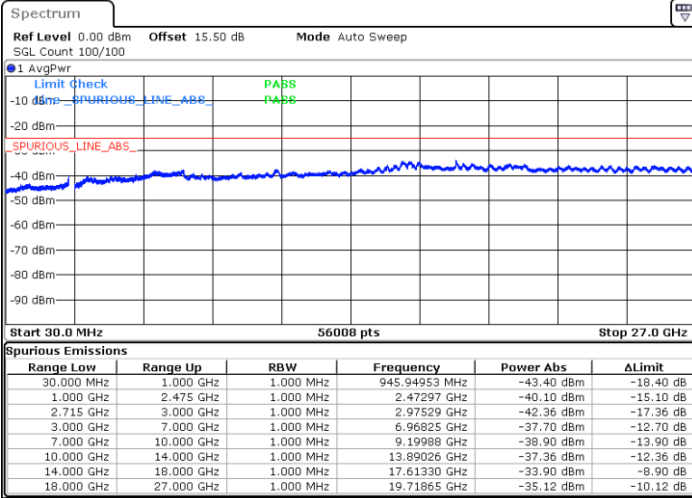


# Conducted Spurious Emission

## LTE Band 41 / 5MHz

### Lowest Channel / QPSK

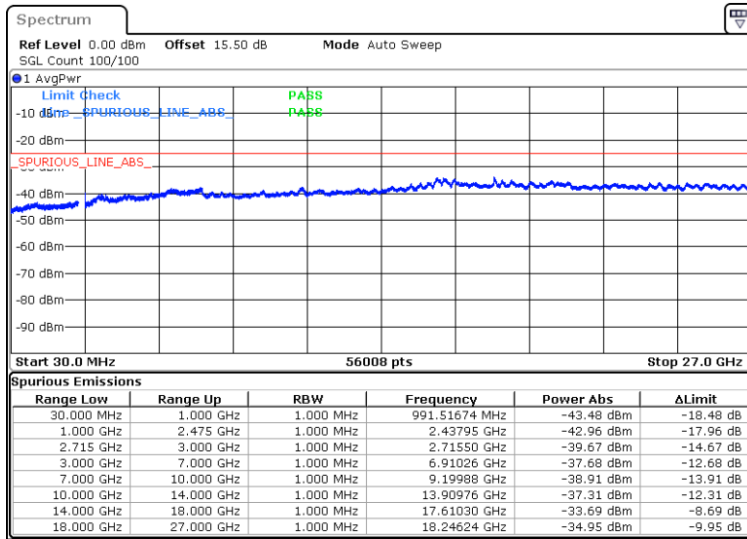
### Middle Channel / QPSK



Date: 21.MAY.2022 05:30:20

Date: 21.MAY.2022 05:31:39

### Highest Channel / QPSK



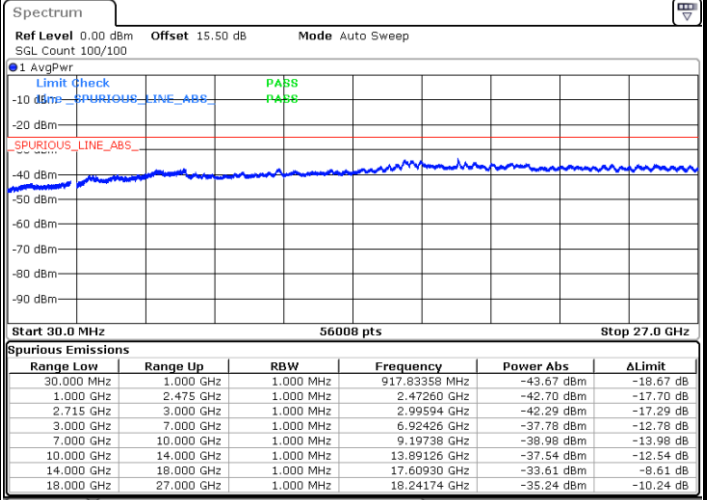
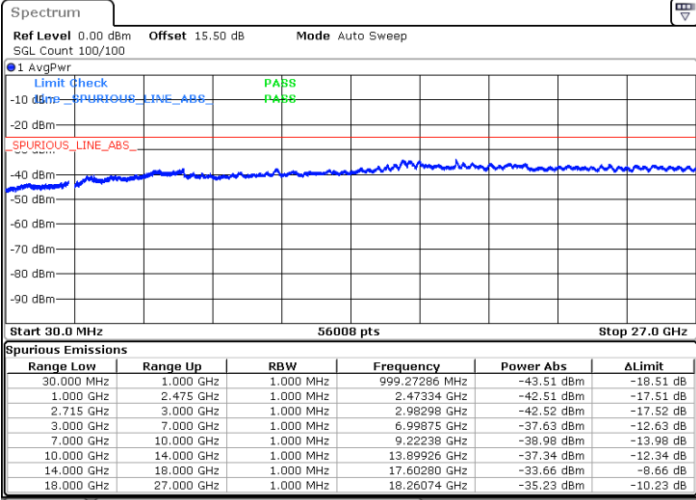
Date: 21.MAY.2022 05:32:56



LTE Band 41 / 10MHz

Lowest Channel / QPSK

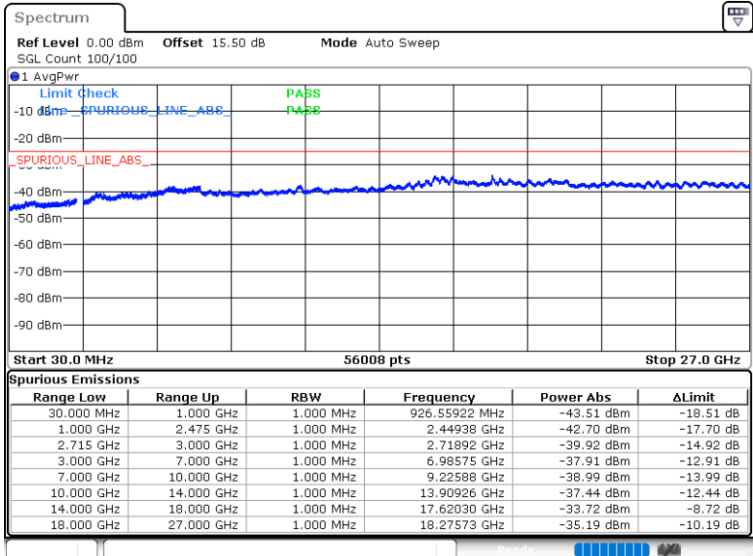
Middle Channel / QPSK



Date: 21.MAY.2022 05:48:10

Date: 21.MAY.2022 05:49:28

Highest Channel / QPSK



Date: 21.MAY.2022 05:50:46

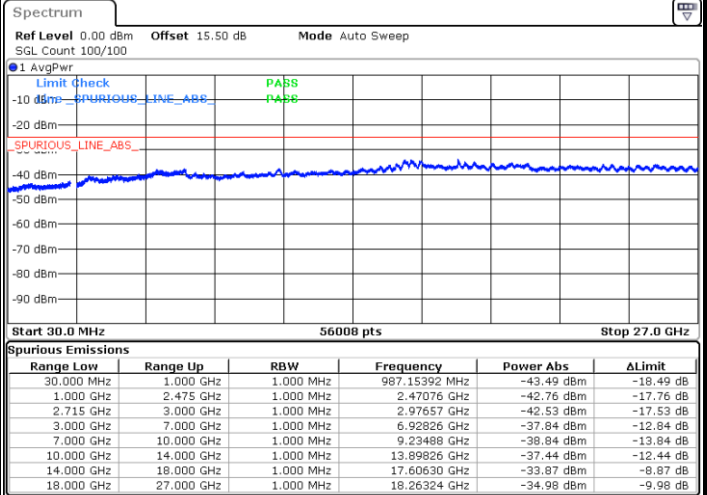
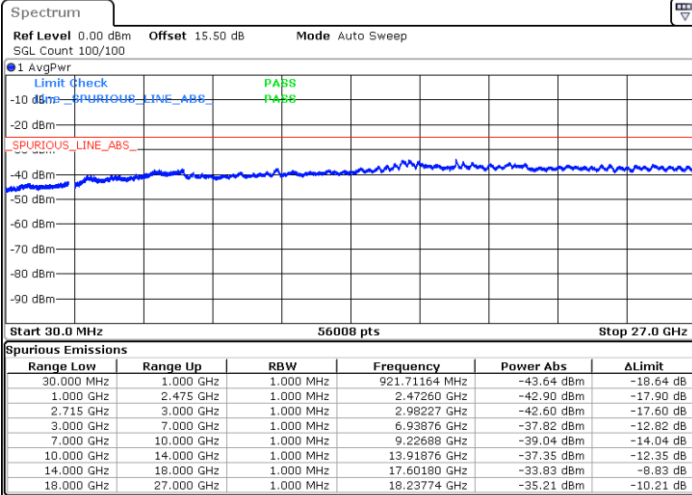




LTE Band 41 / 15MHz

Lowest Channel / QPSK

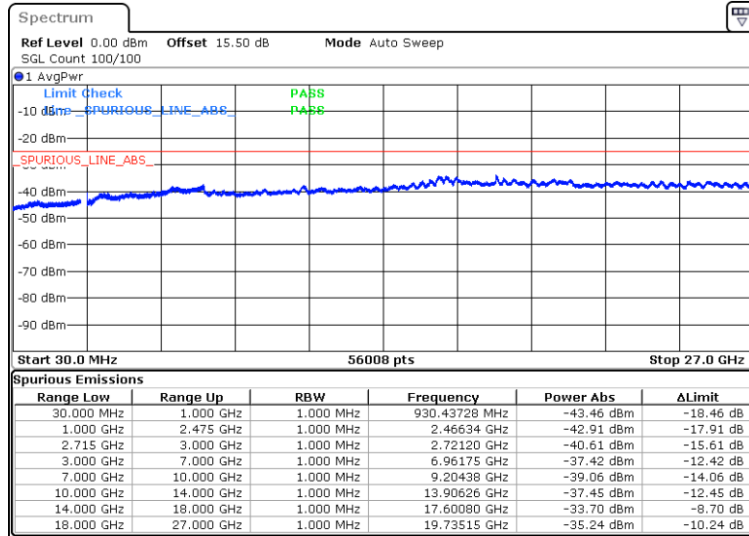
Middle Channel / QPSK



Date: 21.MAY.2022 06:05:59

Date: 21.MAY.2022 06:07:16

Highest Channel / QPSK



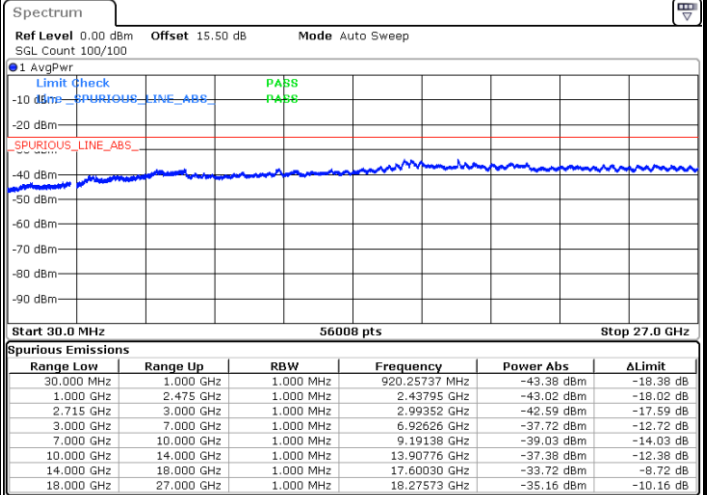
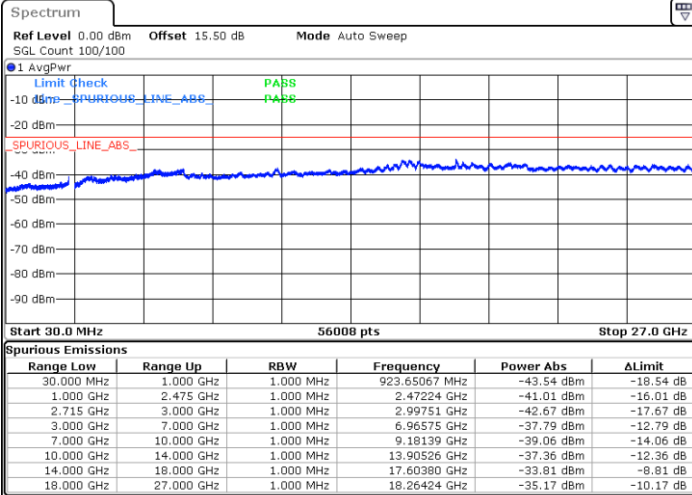
Date: 21.MAY.2022 06:08:34



LTE Band 41 / 20MHz

Lowest Channel / QPSK

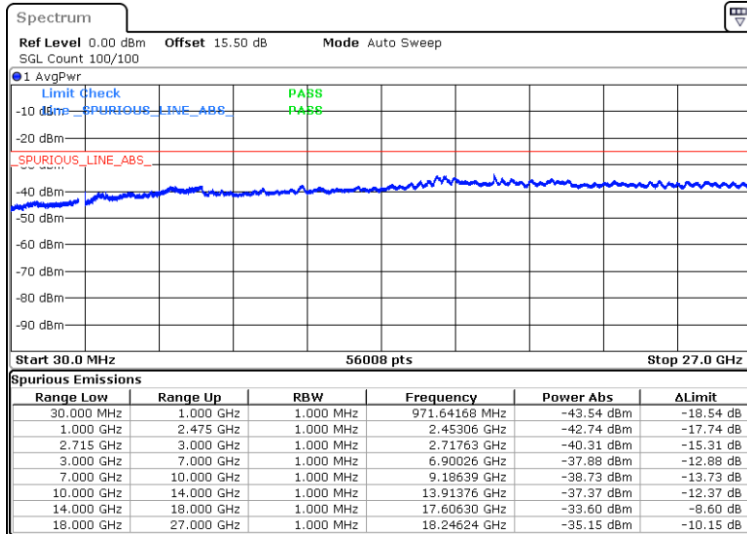
Middle Channel / QPSK



Date: 21.MAY.2022 06:23:46

Date: 21.MAY.2022 06:25:05

Highest Channel / QPSK



Date: 21.MAY.2022 06:26:23



### 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	0.0057	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0037	

**Note:**

- 1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.30 V. ; Maximum Voltage = 4.25 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 66

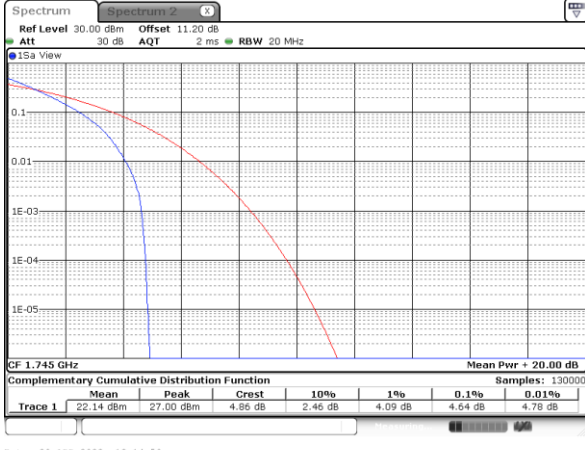
### Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.64	5.59	5.68	6.78	PASS



LTE Band 66 / 20MHz / QPSK

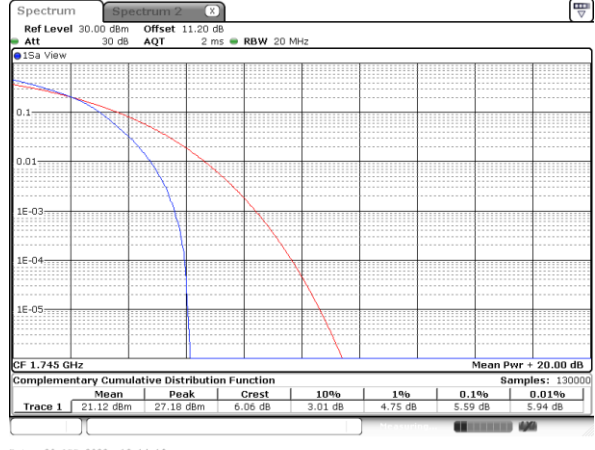
Middle Channel / Full RB



Date: 20.APR.2022 12:14:50

LTE Band 66 / 20MHz / 16QAM

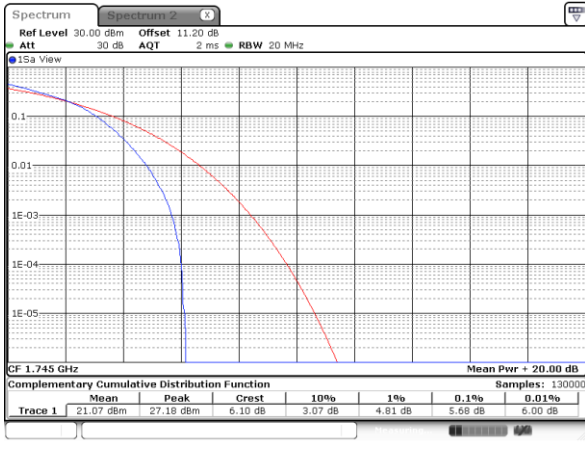
Middle Channel / Full RB



Date: 20.APR.2022 12:14:19

LTE Band 66 / 20MHz / 64QAM

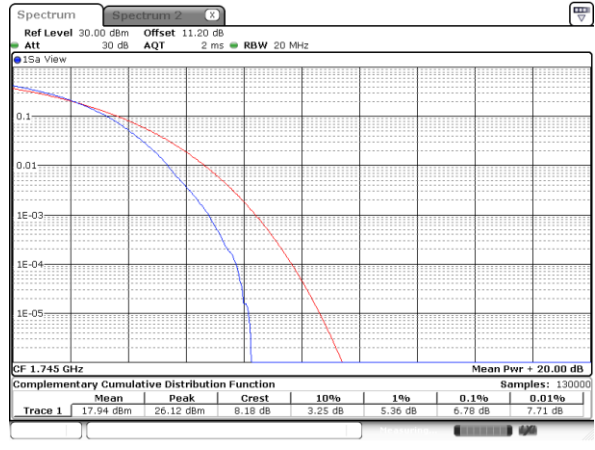
Middle Channel / Full RB



Date: 20.APR.2022 12:15:20

LTE Band 66 / 20MHz / 256QAM

Middle Channel / Full RB



Date: 20.APR.2022 12:15:13



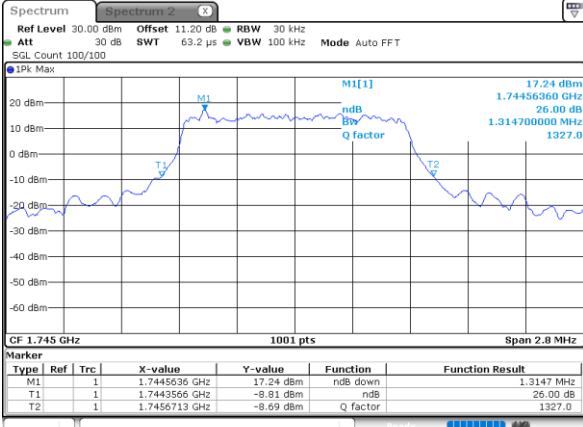
**26dB Bandwidth**

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	1.31	1.37	3.05	3.13	4.94	5.05	10.11	10.11	14.48	14.69	18.86	18.62
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	1.36	1.34	3.19	3.07	5.04	4.95	10.07	9.77	14.78	14.33	18.86	19.02



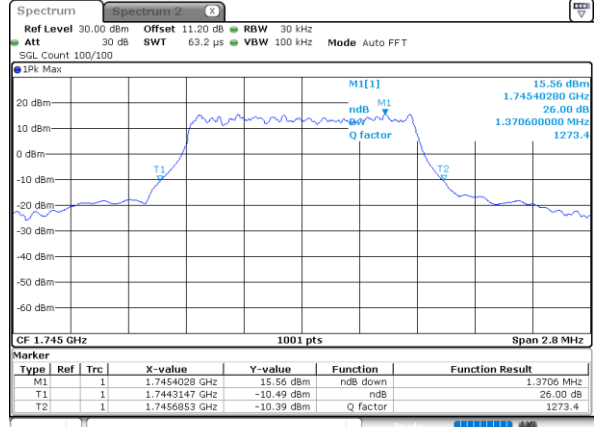
LTE Band 66

Middle Channel / 1.4MHz / QPSK



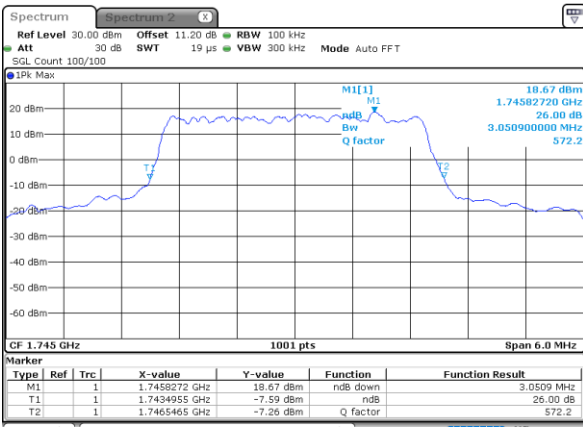
Date: 20\_APR\_2022 10:18:10

Middle Channel / 1.4MHz / 16QAM



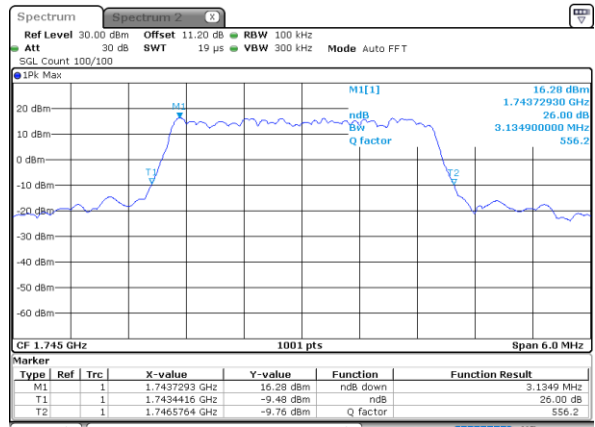
Date: 20\_APR\_2022 10:18:19

Middle Channel / 3MHz / QPSK



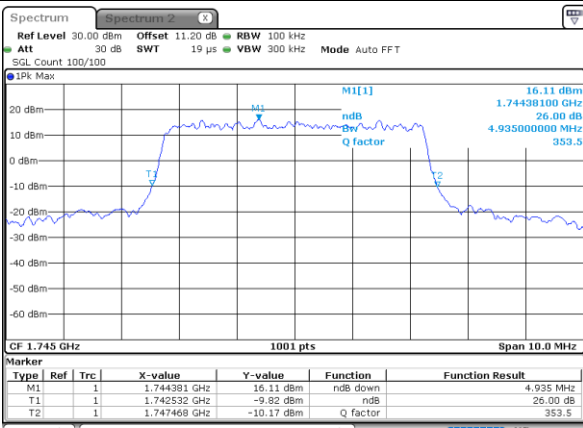
Date: 20\_APR\_2022 10:18:52

Middle Channel / 3MHz / 16QAM



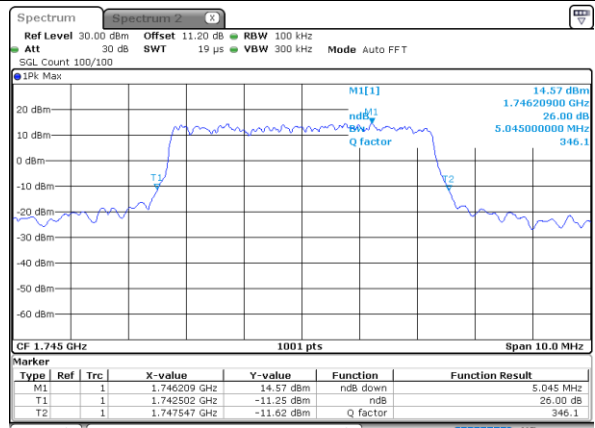
Date: 20\_APR\_2022 10:18:51

Middle Channel / 5MHz / QPSK



Date: 20\_APR\_2022 11:04:10

Middle Channel / 5MHz / 16QAM

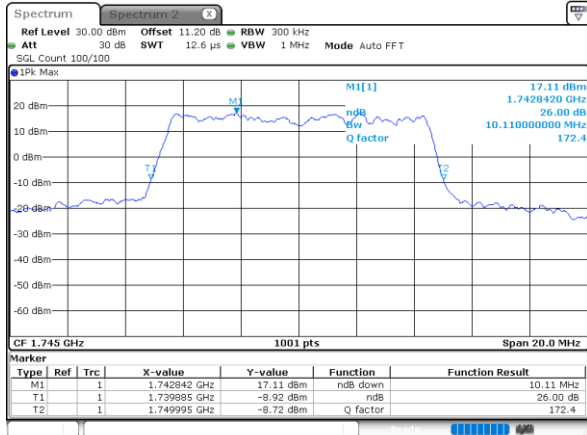


Date: 20\_APR\_2022 11:04:19



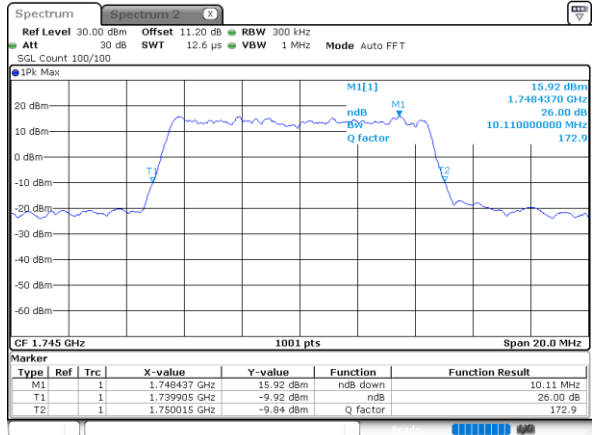
LTE Band 66

Middle Channel / 10MHz / QPSK



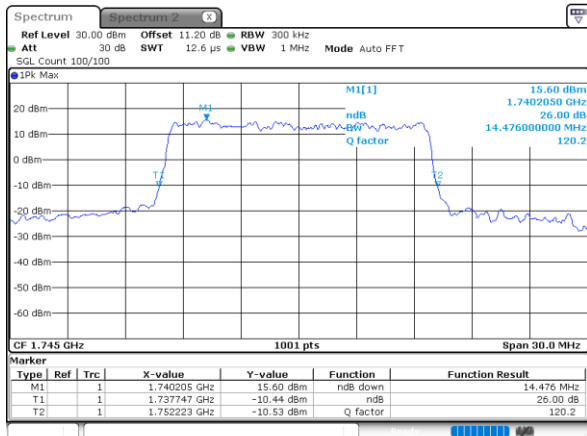
Date: 20.APR.2022 11:19:41

Middle Channel / 10MHz / 16QAM



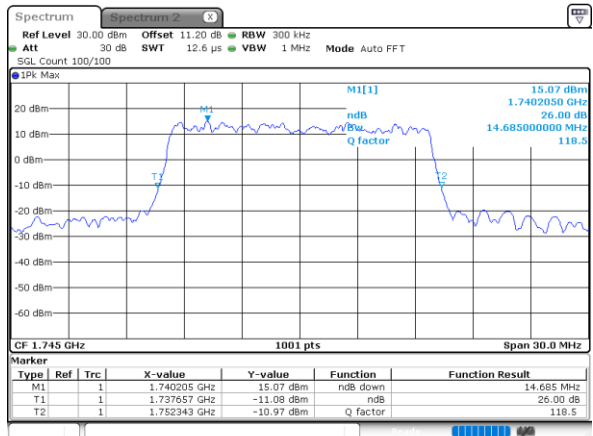
Date: 20.APR.2022 11:20:10

Middle Channel / 15MHz / QPSK



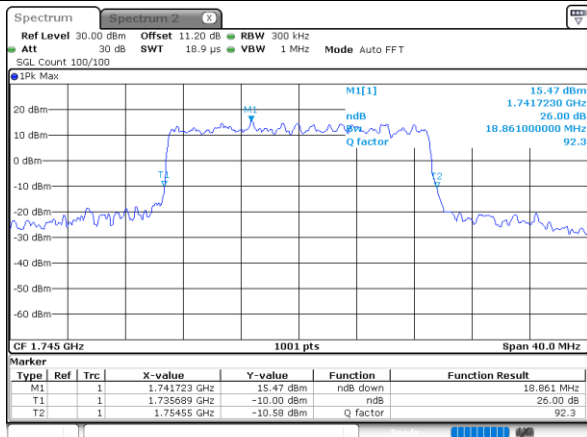
Date: 20.APR.2022 11:45:19

Middle Channel / 15MHz / 16QAM



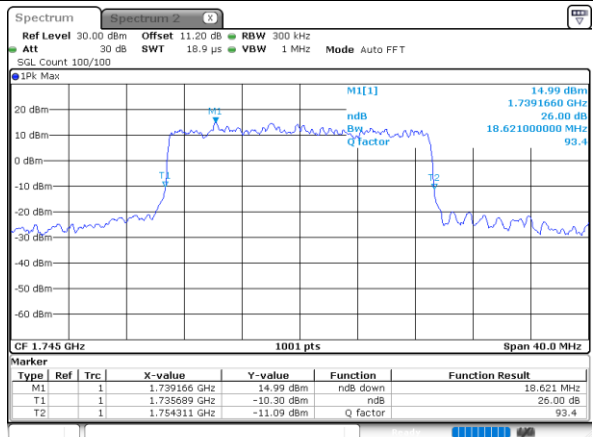
Date: 20.APR.2022 11:45:48

Middle Channel / 20MHz / QPSK



Date: 20.APR.2022 12:00:50

Middle Channel / 20MHz / 16QAM



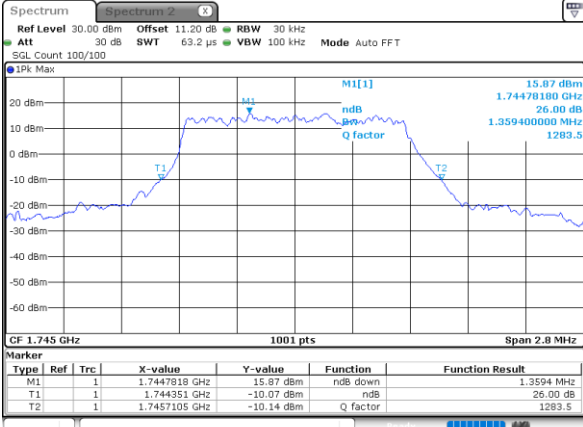
Date: 20.APR.2022 12:01:20





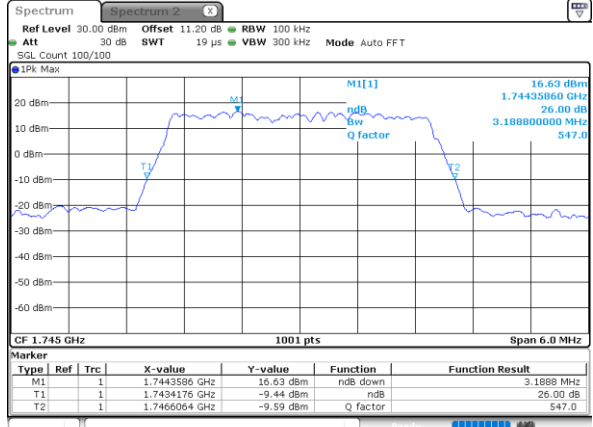
LTE Band 66

Middle Channel / 1.4MHz / 64QAM



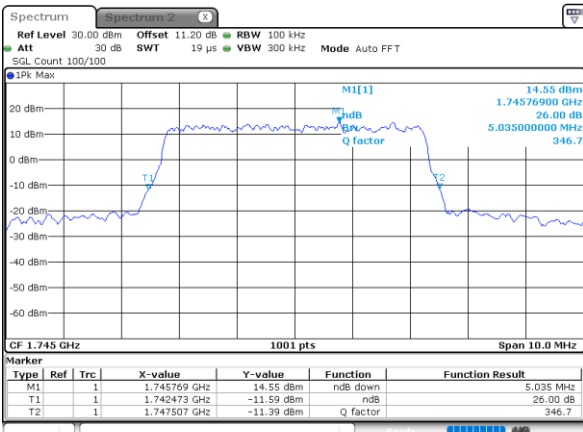
Date: 20.APR.2022 10:28:52

Middle Channel / 3MHz / 64QAM



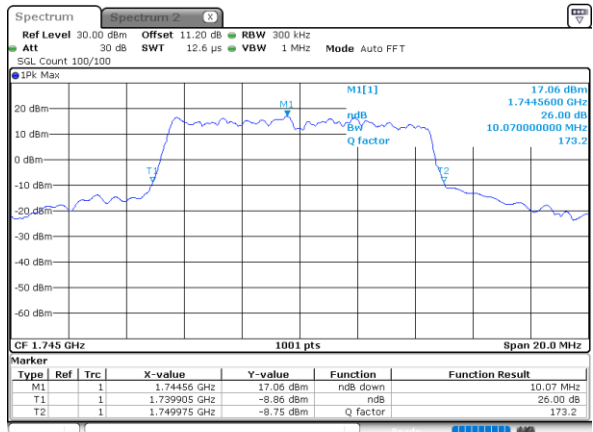
Date: 20.APR.2022 10:49:13

Middle Channel / 5MHz / 64QAM



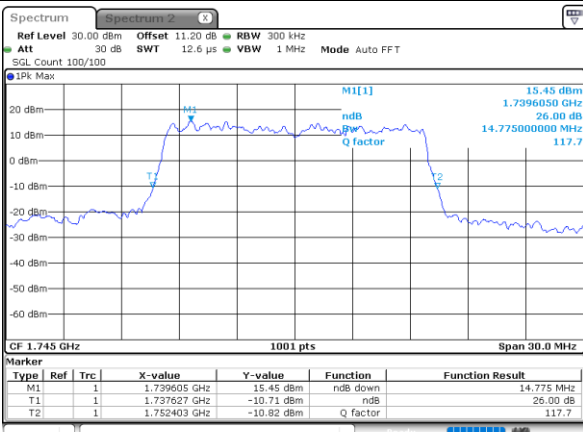
Date: 20.APR.2022 10:54:01

Middle Channel / 10MHz / 64QAM



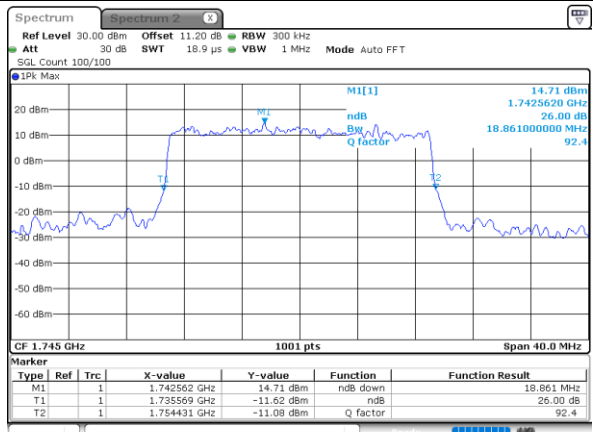
Date: 20.APR.2022 11:30:23

Middle Channel / 15MHz / 64QAM



Date: 20.APR.2022 11:35:40

Middle Channel / 20MHz / 64QAM

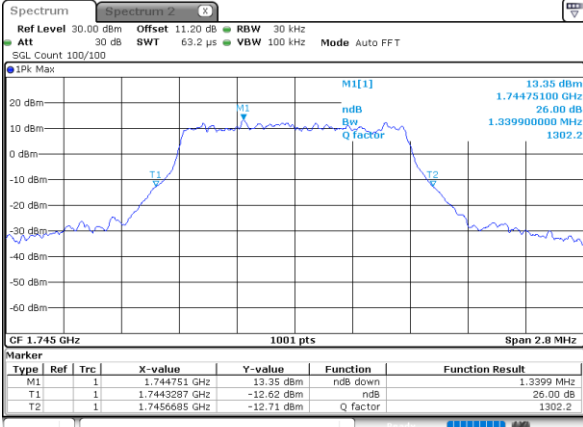


Date: 20.APR.2022 12:11:31



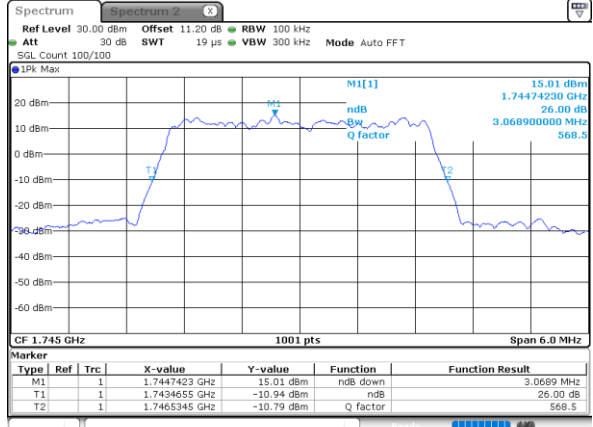
LTE Band 66

Middle Channel / 1.4MHz / 256QAM



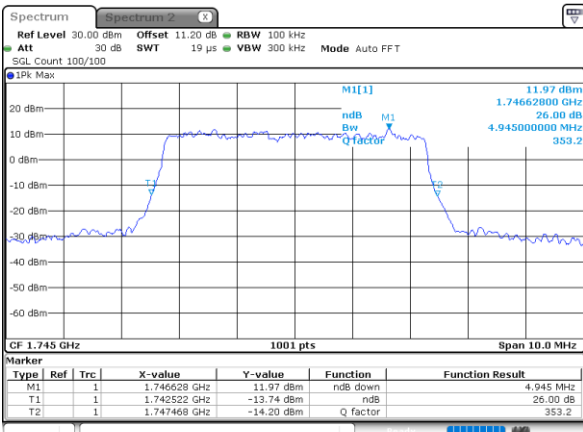
Date: 20.APR.2022 12:18:27

Middle Channel / 3MHz / 256QAM



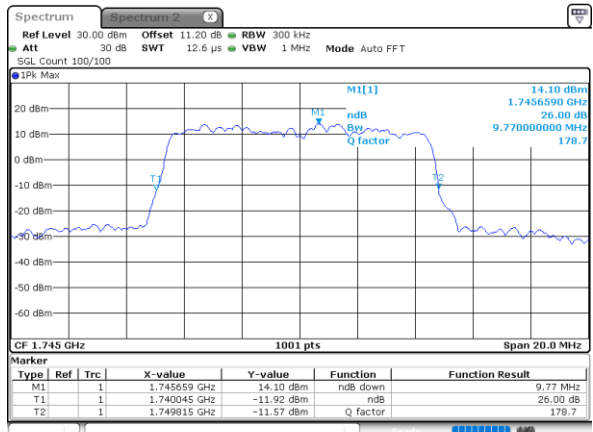
Date: 20.APR.2022 12:25:00

Middle Channel / 5MHz / 256QAM



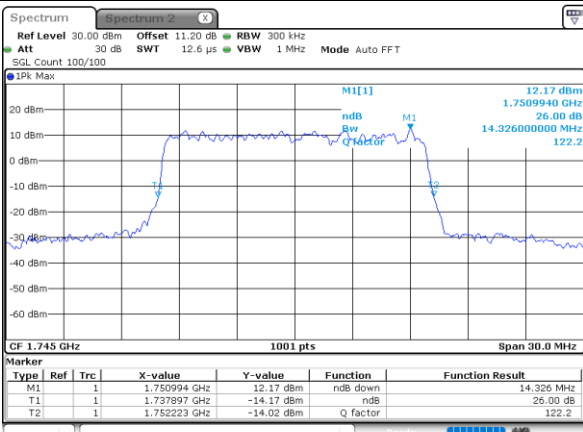
Date: 20.APR.2022 12:31:33

Middle Channel / 10MHz / 256QAM



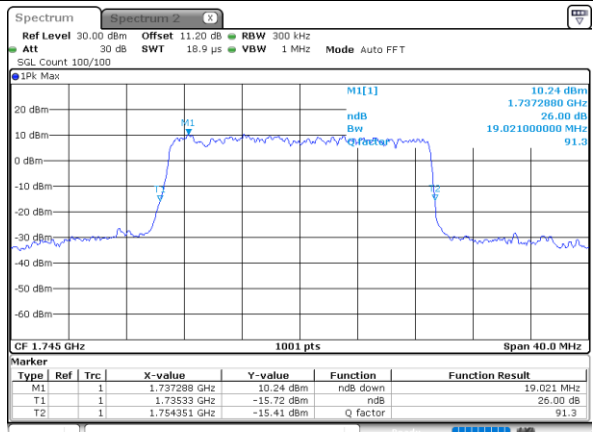
Date: 20.APR.2022 12:38:06

Middle Channel / 15MHz / 256QAM



Date: 20.APR.2022 12:44:39

Middle Channel / 20MHz / 256QAM



Date: 20.APR.2022 12:51:16



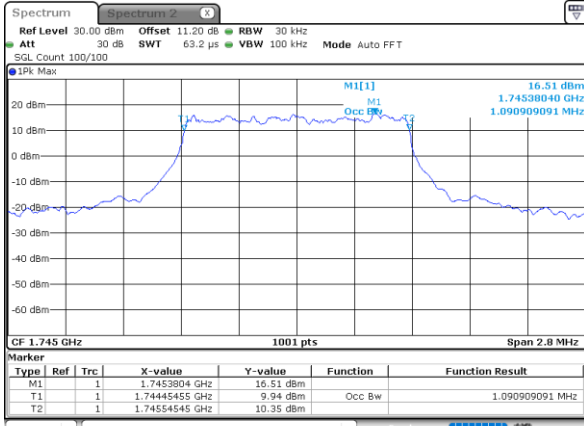
**Occupied Bandwidth**

Mode	LTE Band 66 : 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	1.09	1.10	2.72	2.74	4.50	4.51	9.07	9.01	13.43	13.40	17.90	17.94
Mode	LTE Band 66 : 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	1.10	1.10	2.74	2.73	4.51	4.51	9.11	9.07	13.52	13.46	17.90	17.90



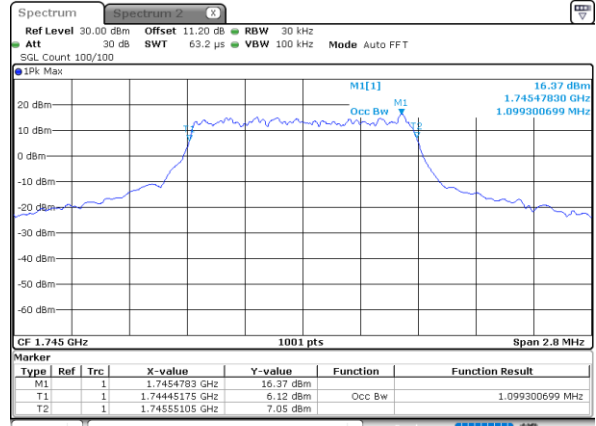
LTE Band 66

Middle Channel / 1.4MHz / QPSK



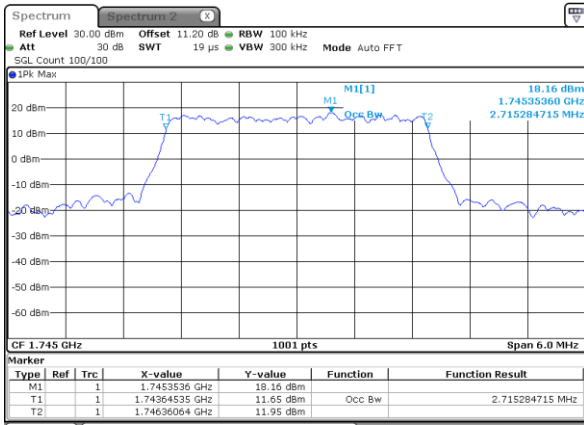
Date: 20\_APR\_2022 10:17:11

Middle Channel / 1.4MHz / 16QAM



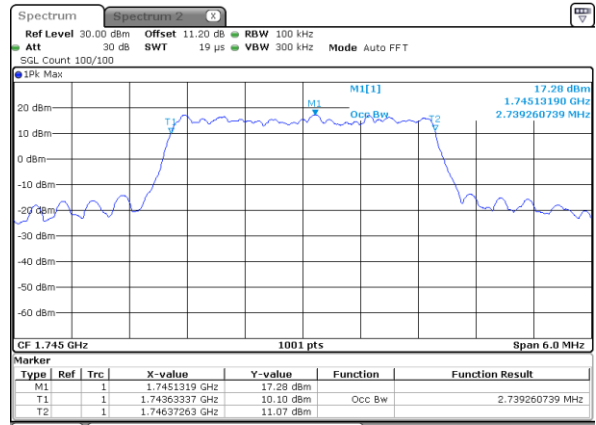
Date: 20\_APR\_2022 10:17:41

Middle Channel / 3MHz / QPSK



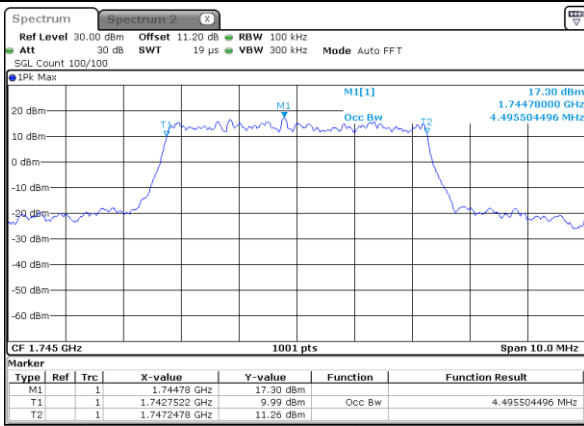
Date: 20\_APR\_2022 10:37:53

Middle Channel / 3MHz / 16QAM



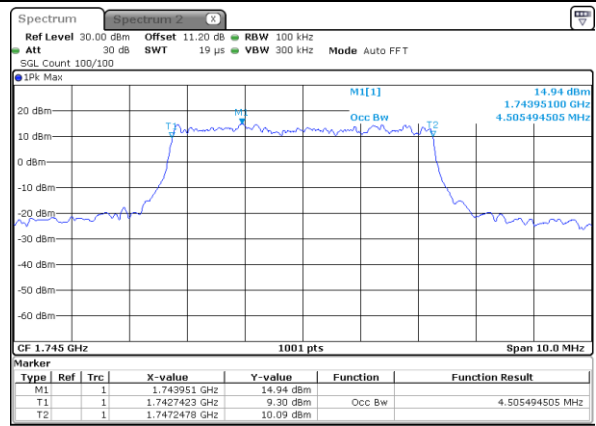
Date: 20\_APR\_2022 10:38:02

Middle Channel / 5MHz / QPSK



Date: 20\_APR\_2022 11:03:11

Middle Channel / 5MHz / 16QAM



Date: 20\_APR\_2022 11:03:40