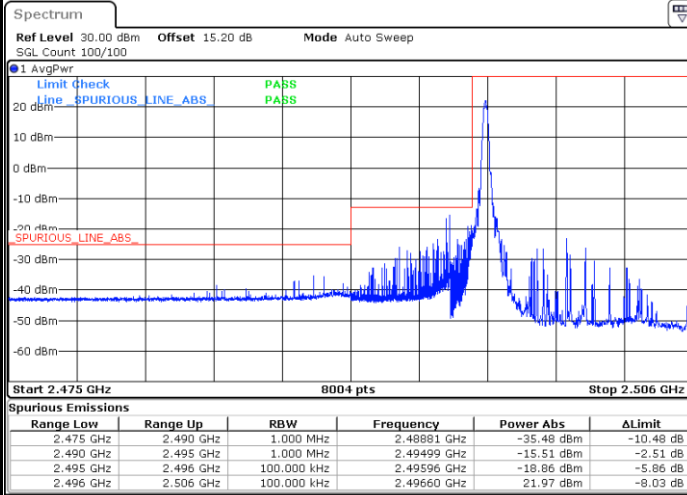




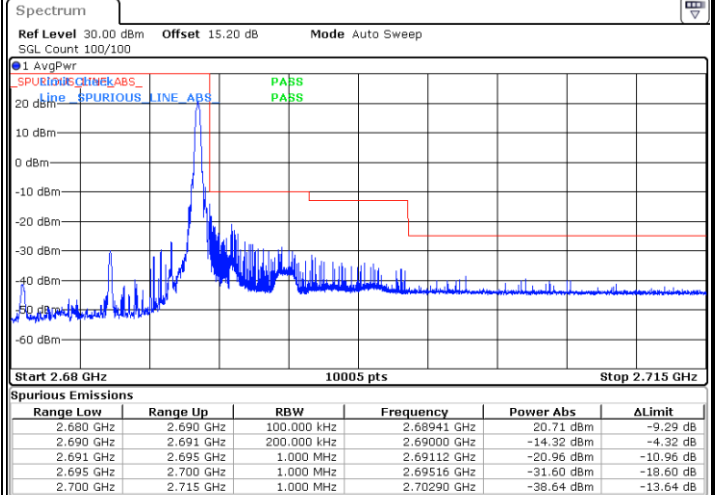
LTE Band 41 (HPUE) / 10MHz / 16QAM

Lowest Band Edge / 1 RB



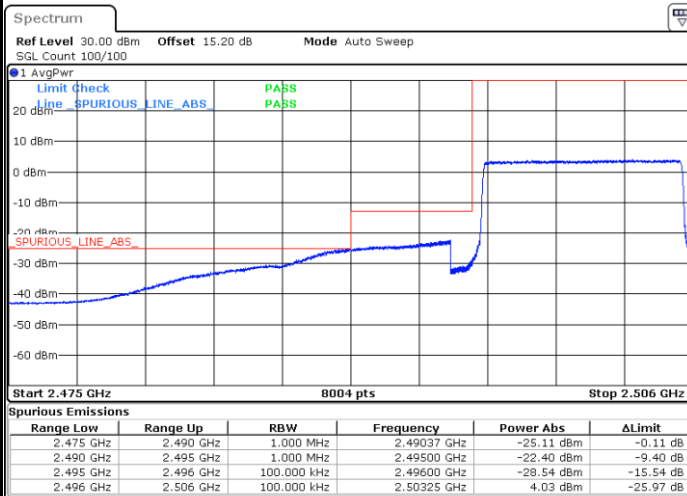
Date: 28.OCT.2022 11:24:17

Highest Band Edge / 1 RB



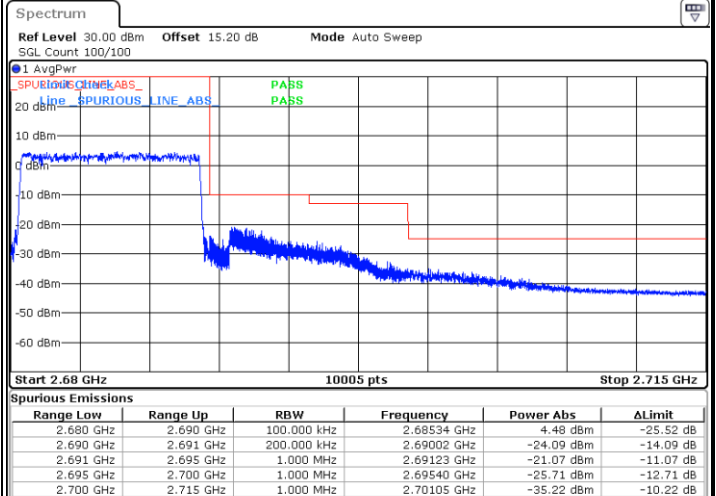
Date: 27.OCT.2022 23:44:26

Lowest Band Edge / Full RB



Date: 28.OCT.2022 11:21:17

Highest Band Edge / Full RB

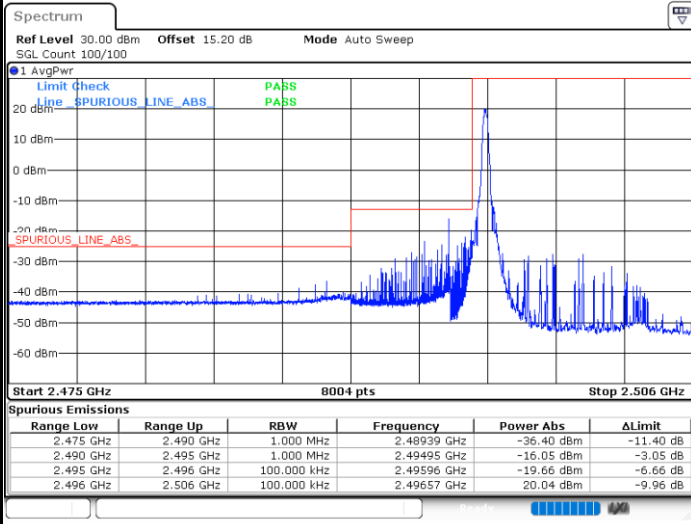


Date: 27.OCT.2022 23:48:22



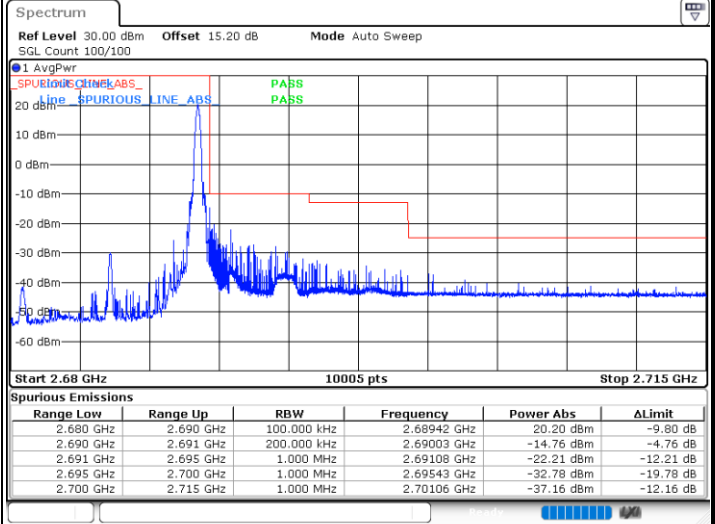
LTE Band 41 (HPUE) / 10MHz / 64QAM

Lowest Band Edge / 1 RB



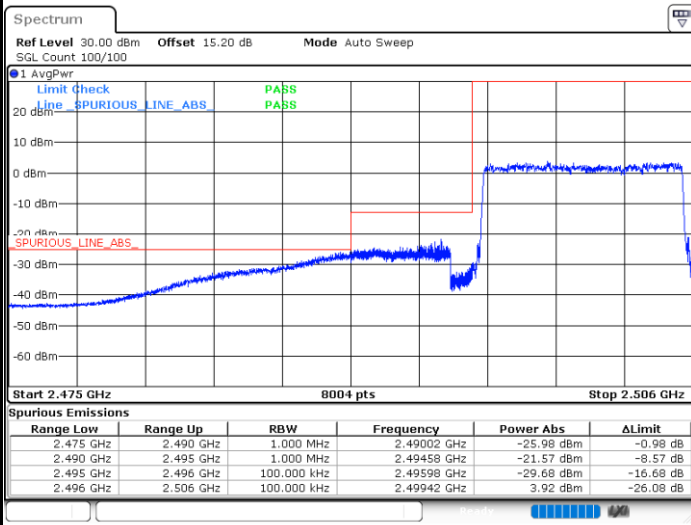
Date: 27.OCT.2022 23:28:28

Highest Band Edge / 1 RB



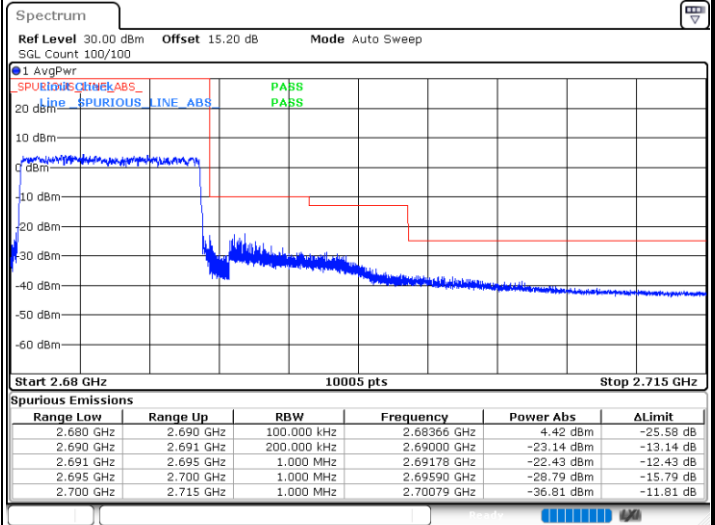
Date: 27.OCT.2022 23:45:24

Lowest Band Edge / Full RB



Date: 27.OCT.2022 23:36:22

Highest Band Edge / Full RB

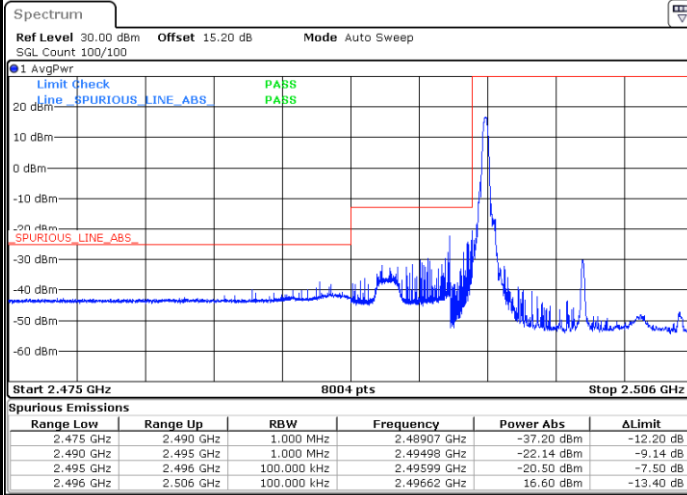


Date: 28.OCT.2022 08:54:39



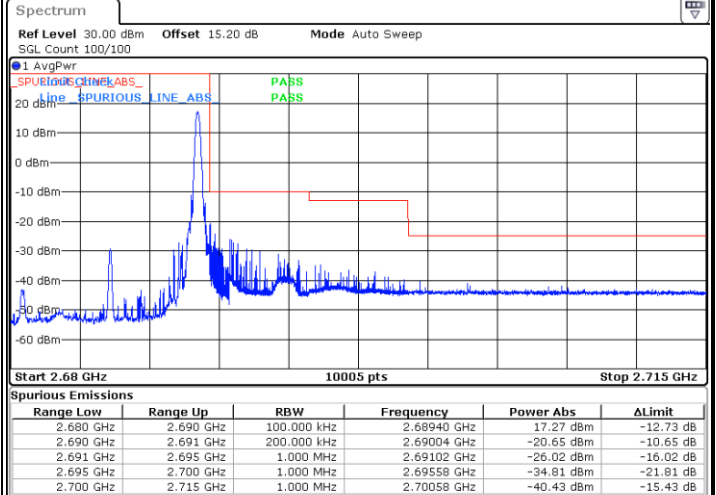
LTE Band 41 (HPUE) / 10MHz / 256QAM

Lowest Band Edge / 1 RB



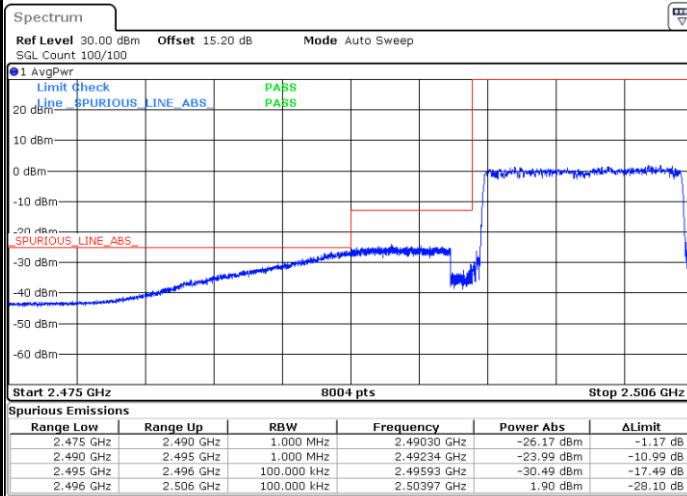
Date: 27.OCT.2022 23:29:26

Highest Band Edge / 1 RB



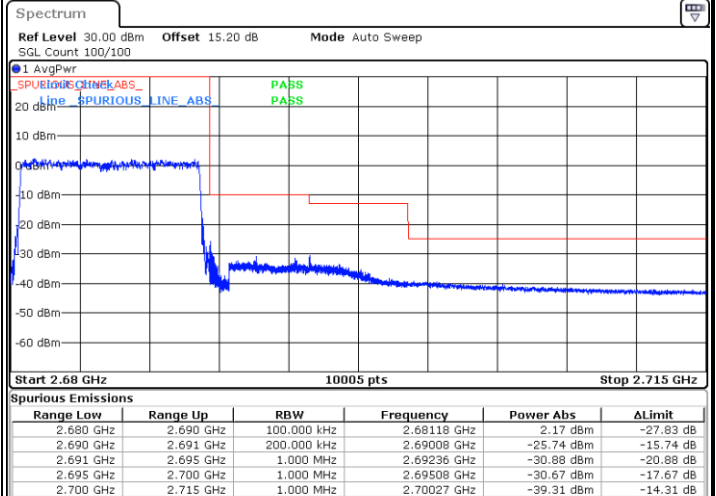
Date: 27.OCT.2022 23:46:22

Lowest Band Edge / Full RB



Date: 27.OCT.2022 23:37:21

Highest Band Edge / Full RB

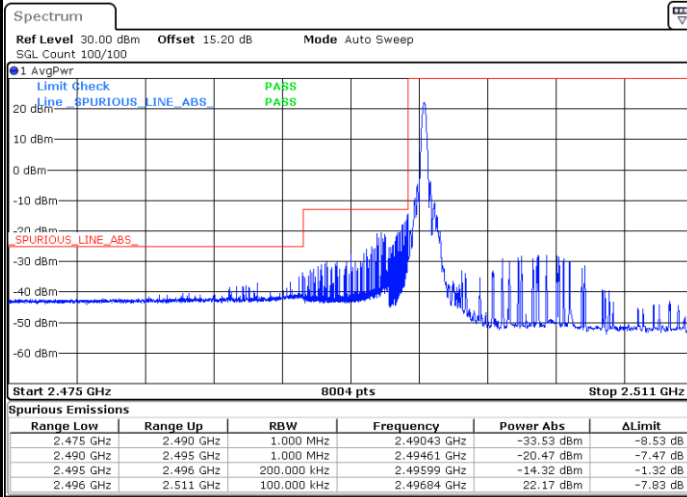


Date: 28.OCT.2022 08:55:38



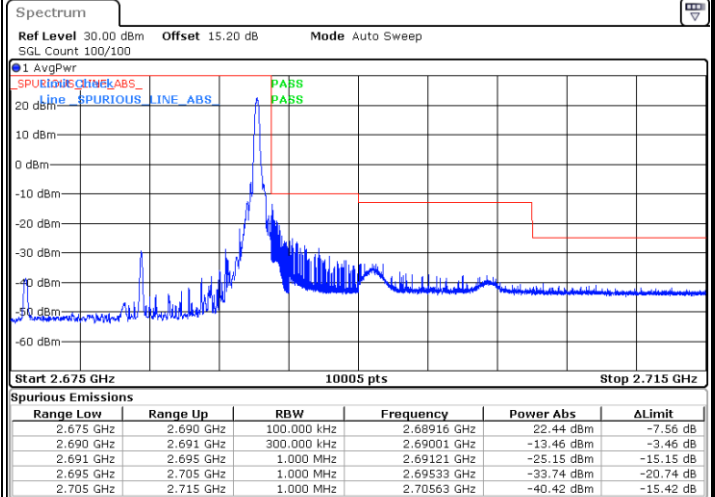
LTE Band 41 (HPUE) / 15MHz / QPSK

Lowest Band Edge / 1 RB



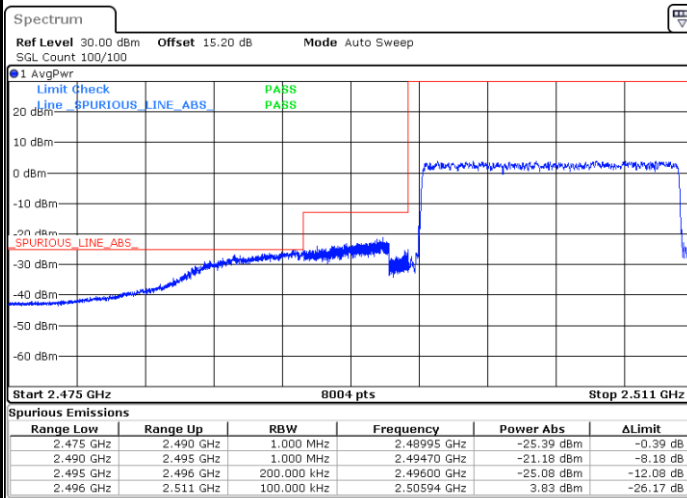
Date: 28.OCT.2022 08:57:53

Highest Band Edge / 1 RB



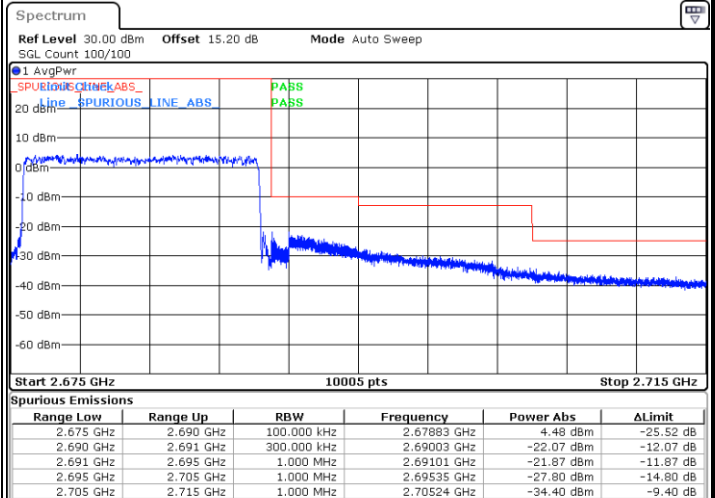
Date: 28.OCT.2022 10:09:09

Lowest Band Edge / Full RB



Date: 28.OCT.2022 09:05:47

Highest Band Edge / Full RB

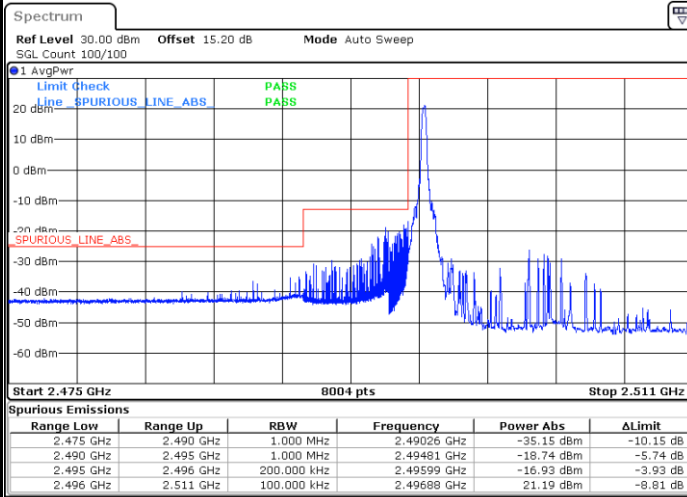


Date: 28.OCT.2022 10:13:06



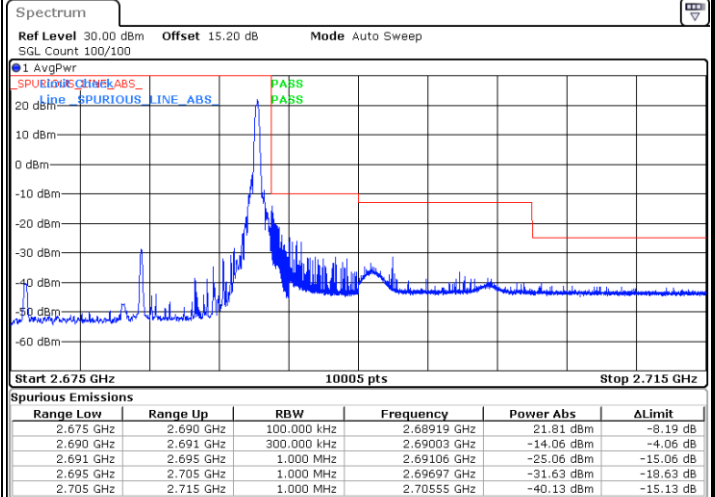
LTE Band 41 (HPUE) / 15MHz / 16QAM

Lowest Band Edge / 1 RB



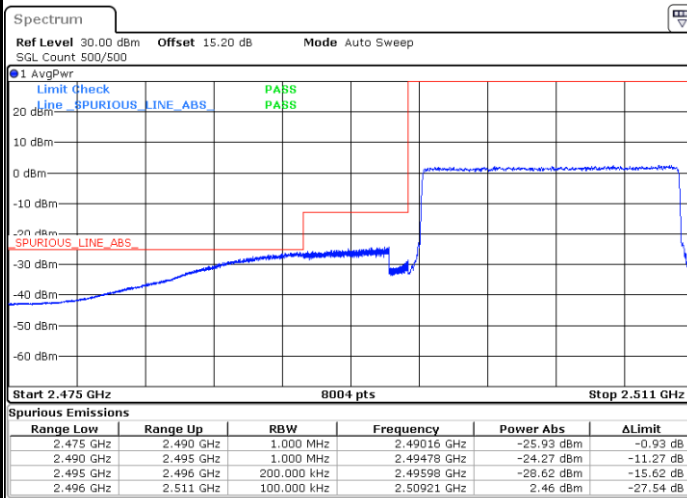
Date: 28.OCT.2022 08:58:52

Highest Band Edge / 1 RB



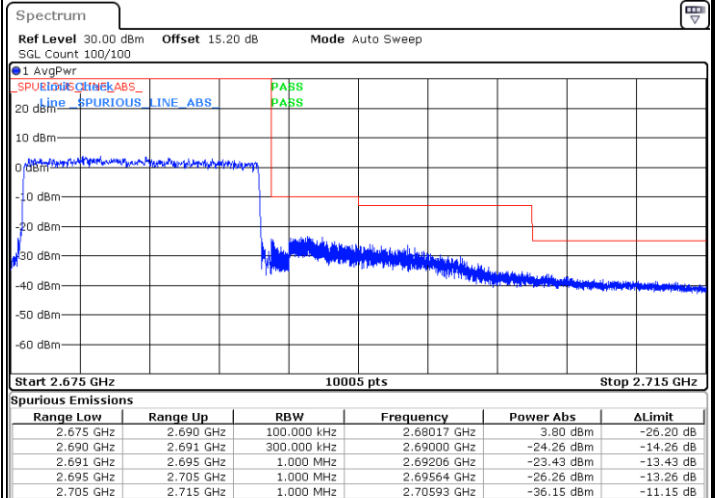
Date: 28.OCT.2022 10:10:08

Lowest Band Edge / Full RB



Date: 28.OCT.2022 11:28:46

Highest Band Edge / Full RB

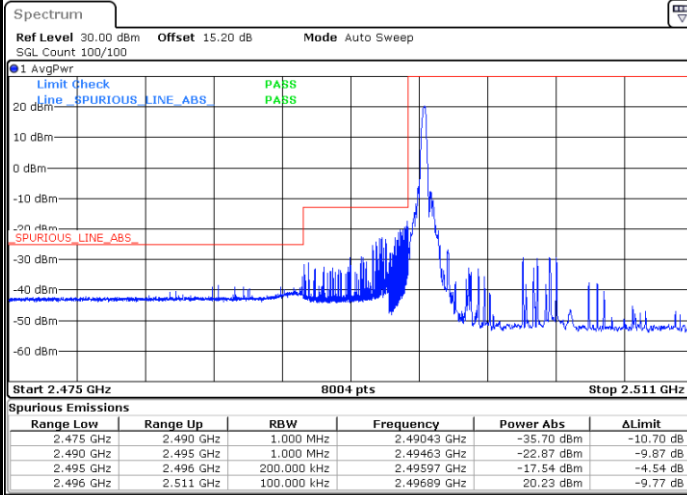


Date: 28.OCT.2022 10:14:04



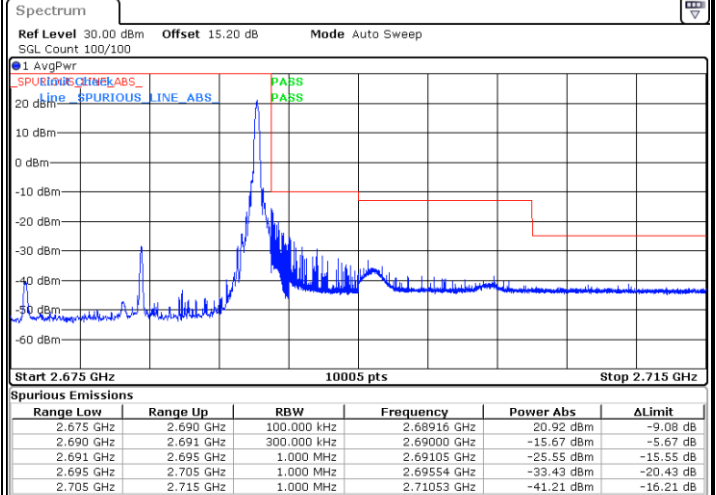
LTE Band 41 (HPUE) / 15MHz / 64QAM

Lowest Band Edge / 1 RB



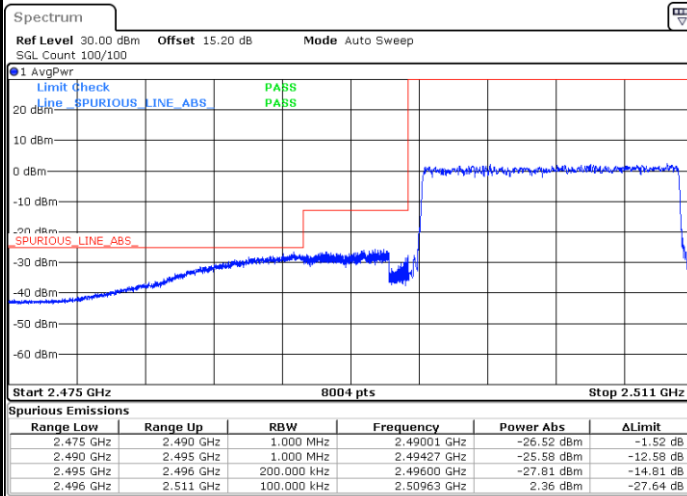
Date: 28.OCT.2022 08:59:50

Highest Band Edge / 1 RB



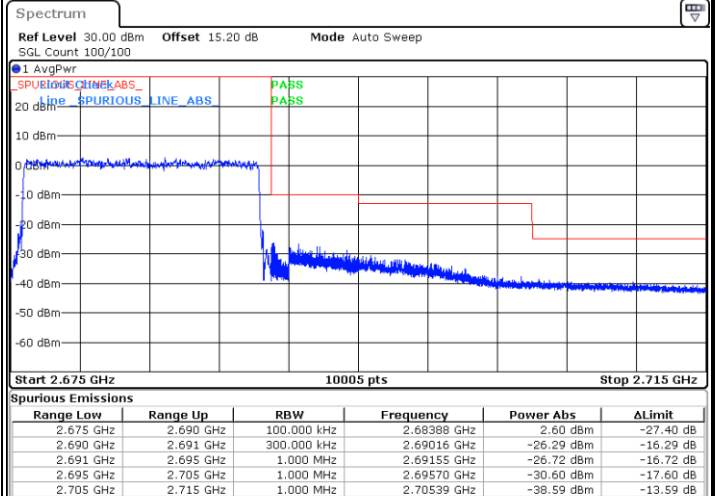
Date: 28.OCT.2022 10:11:06

Lowest Band Edge / Full RB



Date: 28.OCT.2022 09:07:44

Highest Band Edge / Full RB

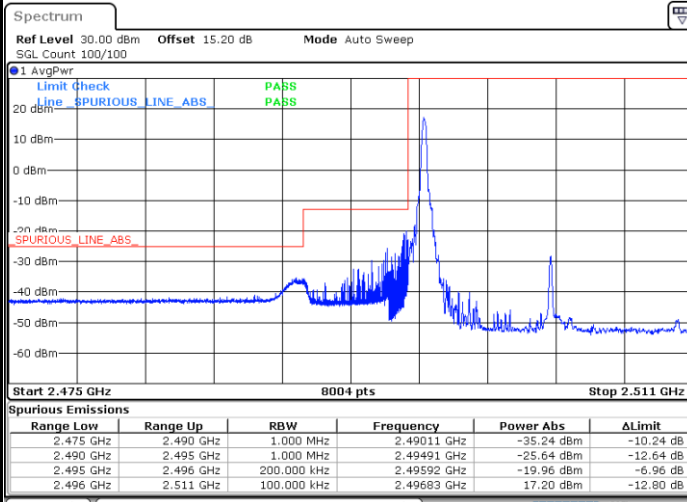


Date: 28.OCT.2022 10:15:03



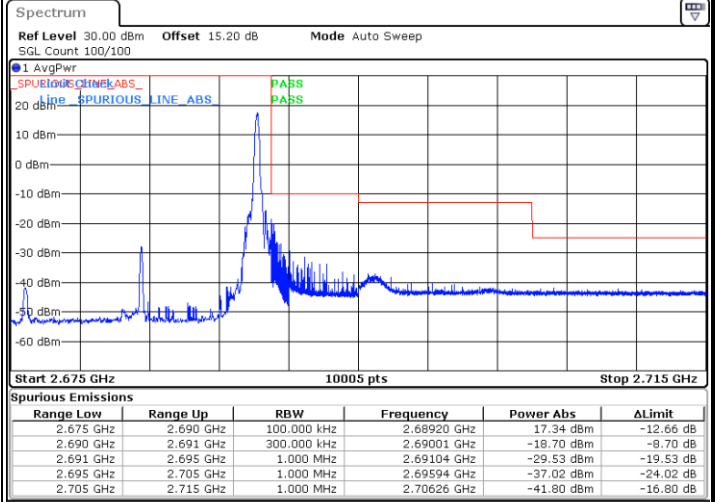
LTE Band 41 (HPUE) / 15MHz / 256QAM

Lowest Band Edge / 1 RB



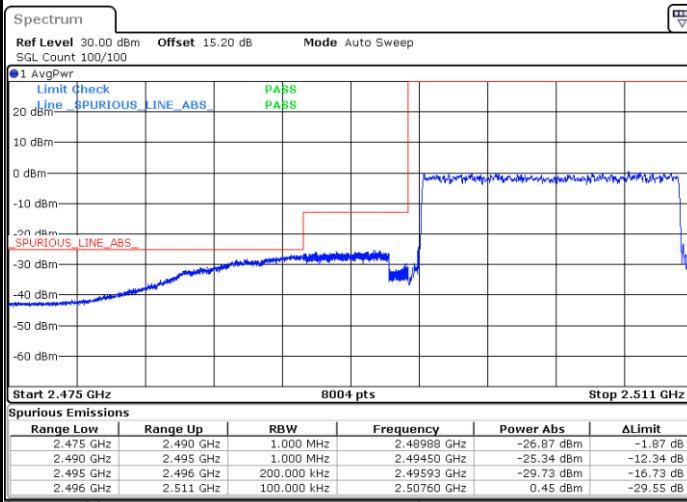
Date: 28.OCT.2022 09:00:48

Highest Band Edge / 1 RB



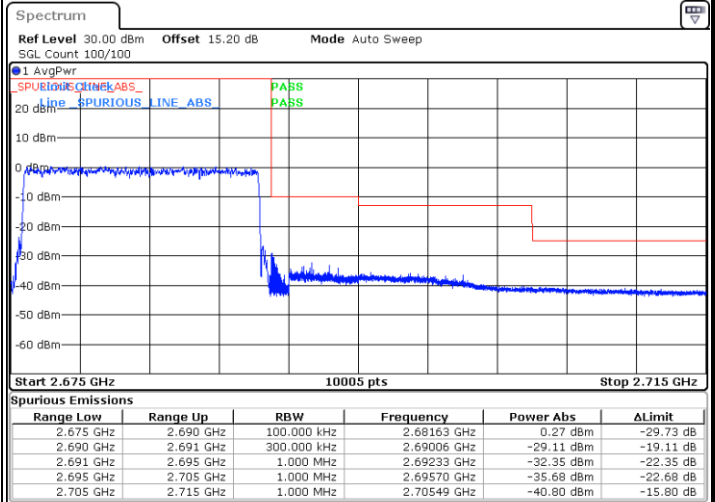
Date: 28.OCT.2022 10:12:05

Lowest Band Edge / Full RB



Date: 28.OCT.2022 09:08:42

Highest Band Edge / Full RB



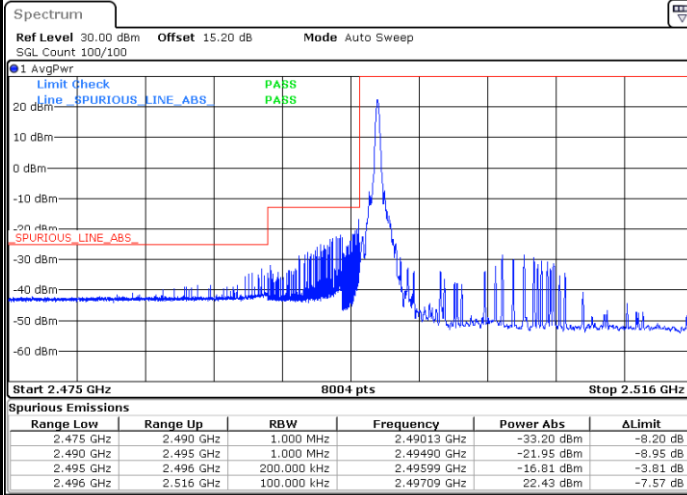
Date: 28.OCT.2022 10:16:01





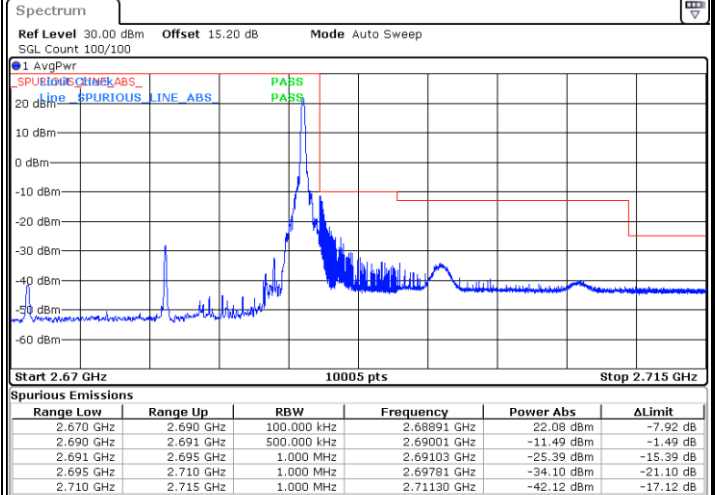
LTE Band 41 (HPUE) / 20MHz / QPSK

Lowest Band Edge / 1 RB



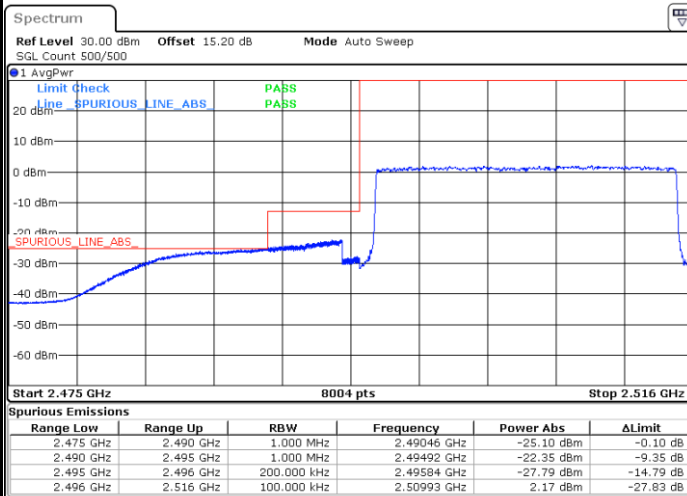
Date: 28.OCT.2022 10:20:45

Highest Band Edge / 1 RB



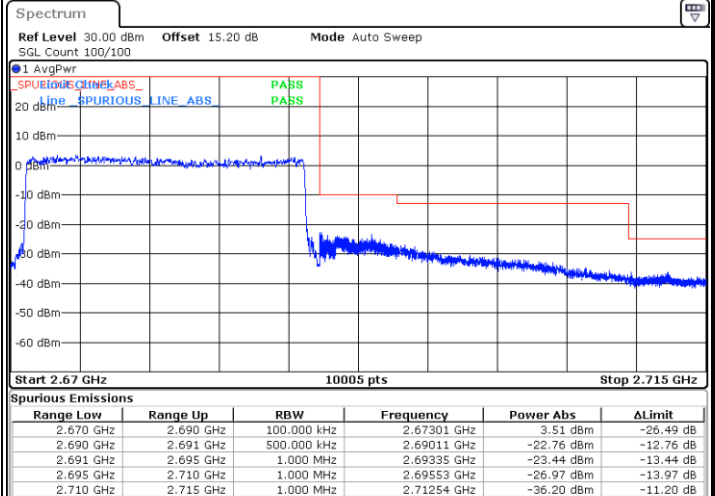
Date: 28.OCT.2022 10:37:40

Lowest Band Edge / Full RB



Date: 28.OCT.2022 11:39:08

Highest Band Edge / Full RB



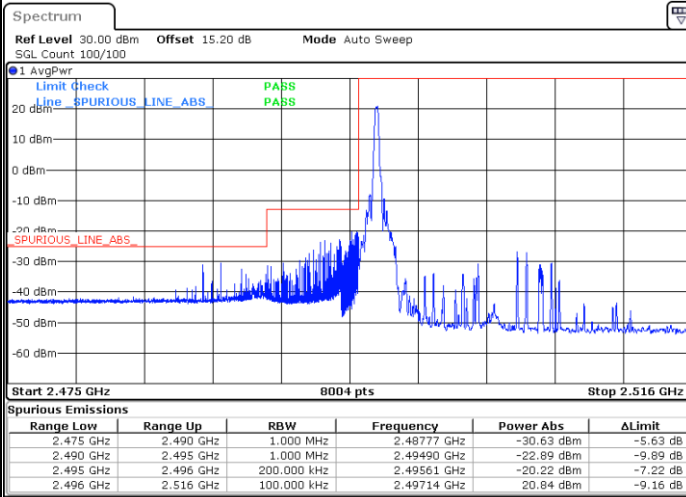
Date: 28.OCT.2022 10:41:37





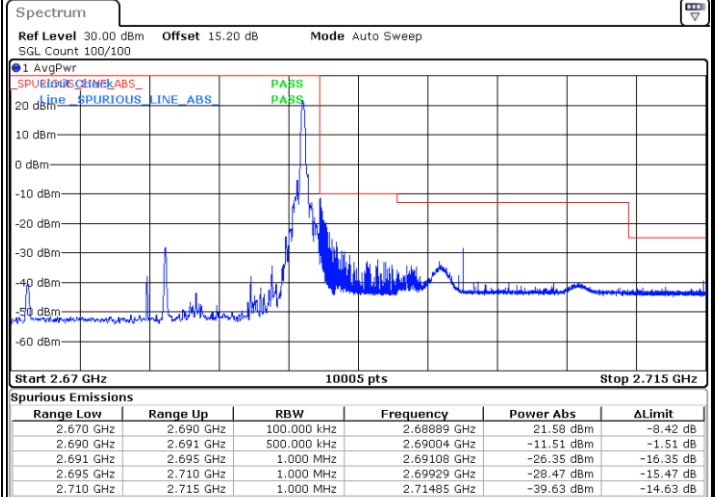
LTE Band 41 (HPUE) / 20MHz / 16QAM

Lowest Band Edge / 1 RB



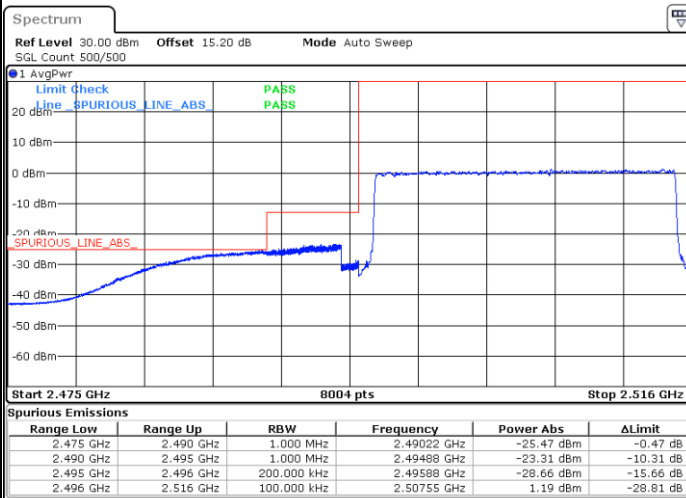
Date: 28.OCT.2022 10:21:43

Highest Band Edge / 1 RB



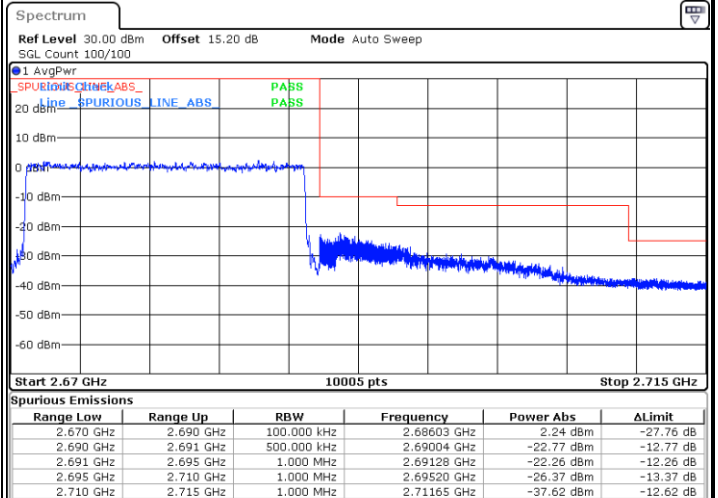
Date: 28.OCT.2022 10:38:38

Lowest Band Edge / Full RB



Date: 28.OCT.2022 11:31:44

Highest Band Edge / Full RB

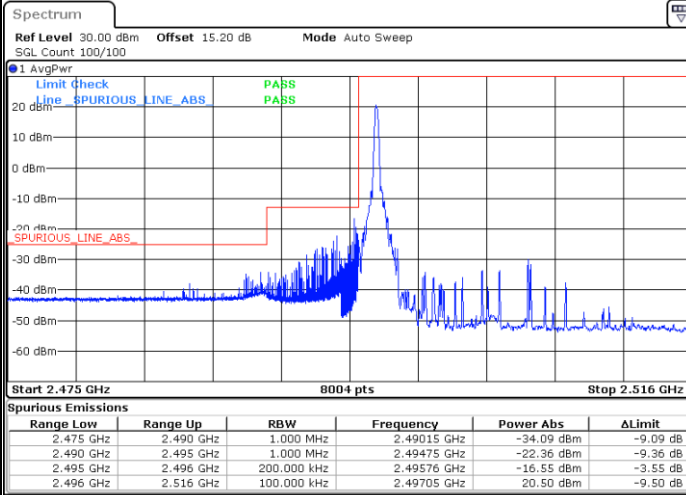


Date: 28.OCT.2022 10:42:35



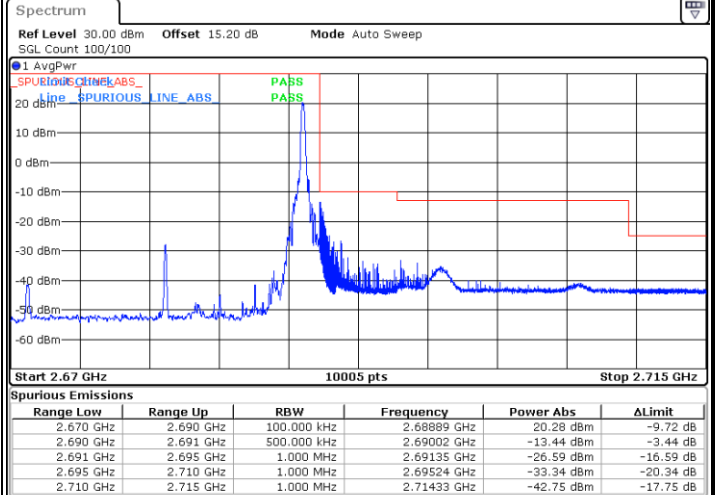
LTE Band 41 (HPUE) / 20MHz / 64QAM

Lowest Band Edge / 1 RB



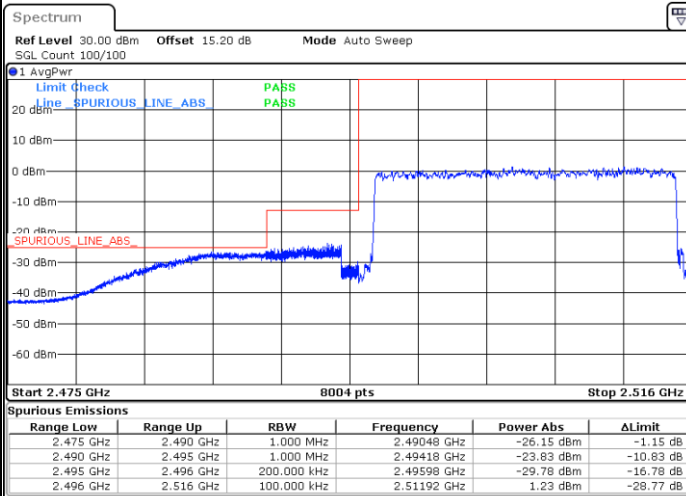
Date: 28.OCT.2022 10:22:42

Highest Band Edge / 1 RB



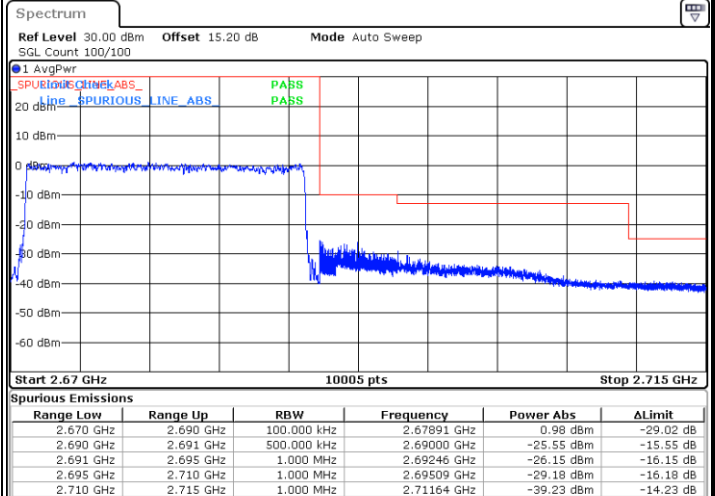
Date: 28.OCT.2022 10:39:37

Lowest Band Edge / Full RB



Date: 28.OCT.2022 10:30:35

Highest Band Edge / Full RB

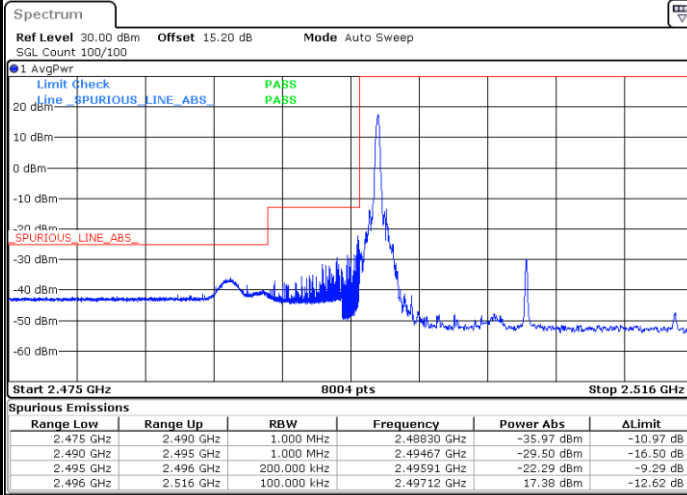


Date: 28.OCT.2022 10:43:33



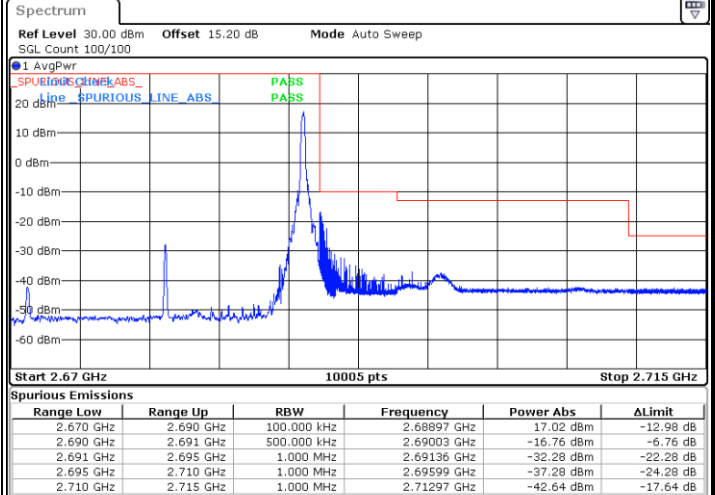
LTE Band 41 (HPUE) / 20MHz / 256QAM

Lowest Band Edge / 1 RB



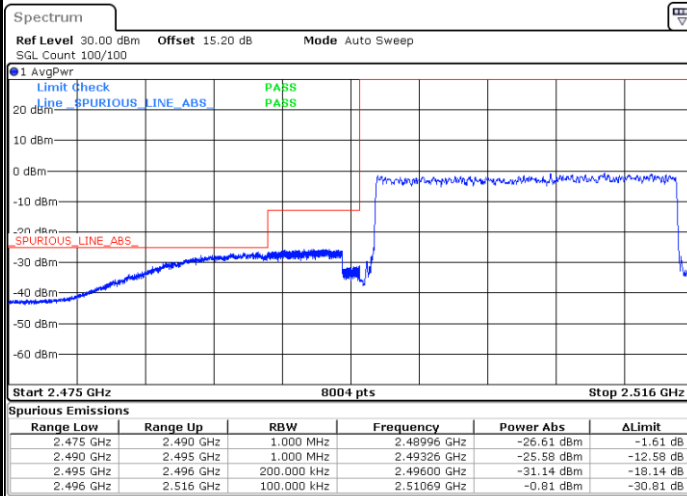
Date: 28.OCT.2022 10:23:40

Highest Band Edge / 1 RB



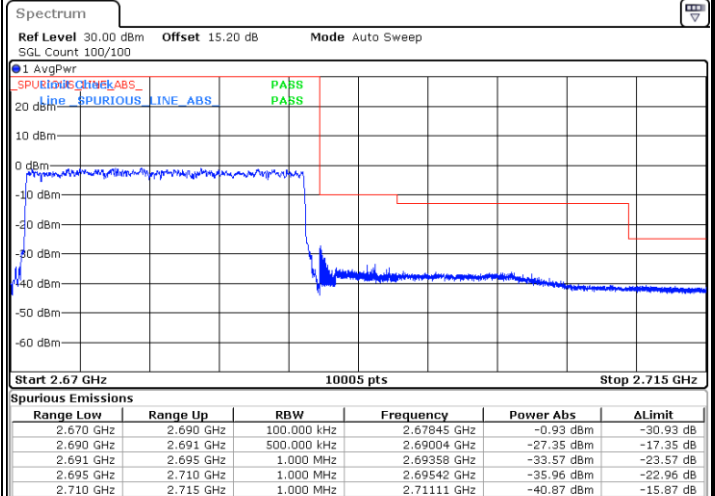
Date: 28.OCT.2022 10:40:35

Lowest Band Edge / Full RB



Date: 28.OCT.2022 10:31:34

Highest Band Edge / Full RB



Date: 28.OCT.2022 10:44:32

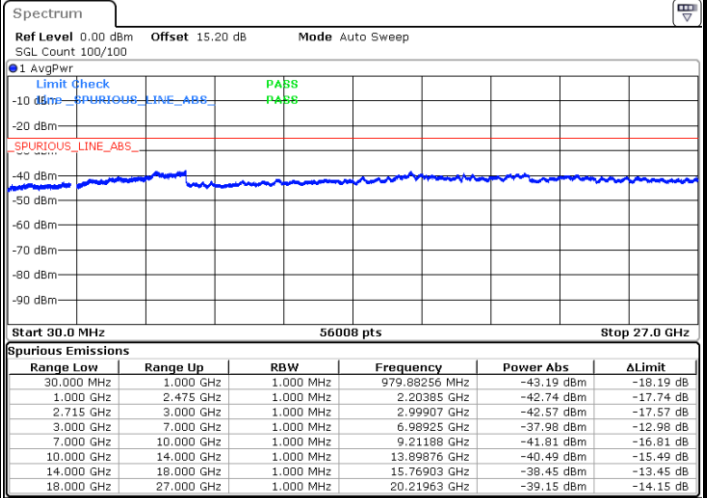
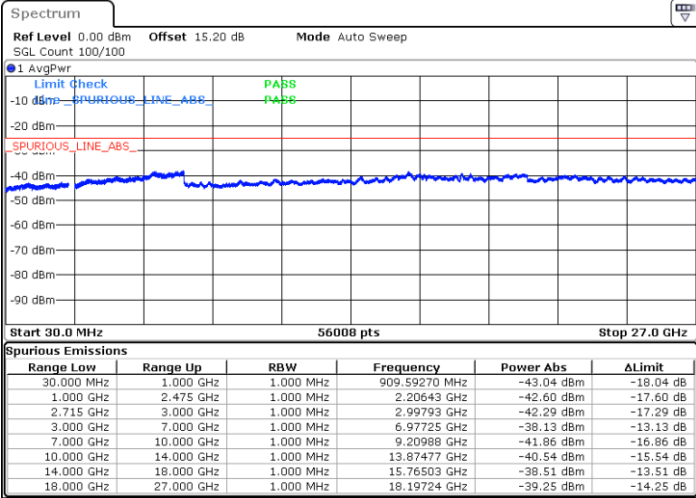


# Conducted Spurious Emission

## LTE Band 41 (HPUE) / 5MHz

### Lowest Channel / QPSK

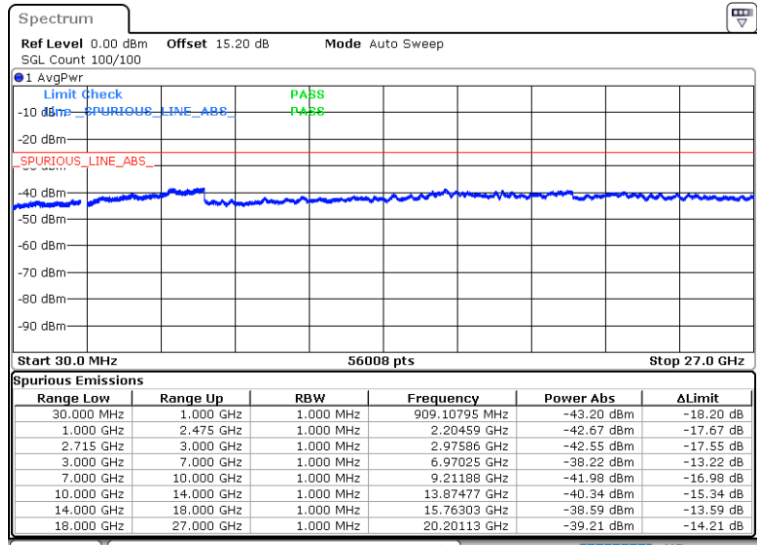
### Middle Channel / QPSK



Date: 27.OCT.2022 18:03:30

Date: 27.OCT.2022 23:24:18

### Highest Channel / QPSK



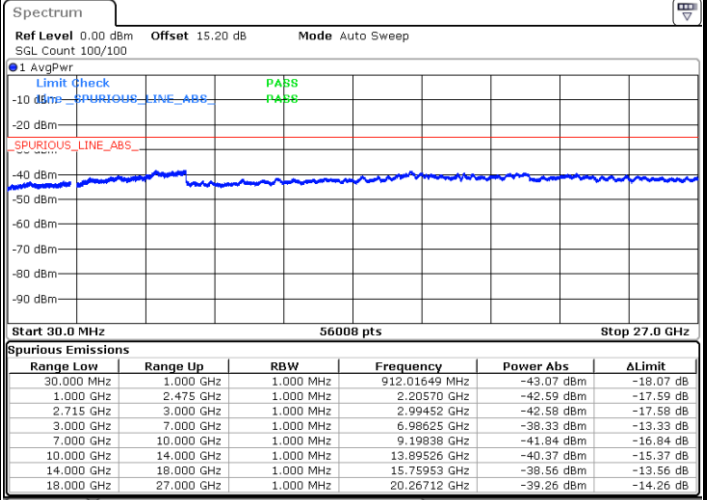
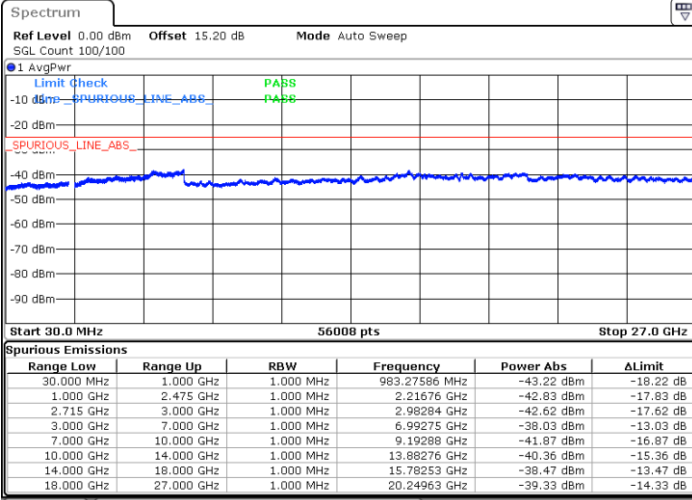
Date: 27.OCT.2022 23:23:10



LTE Band 41 (HPUE) / 10MHz

Lowest Channel / QPSK

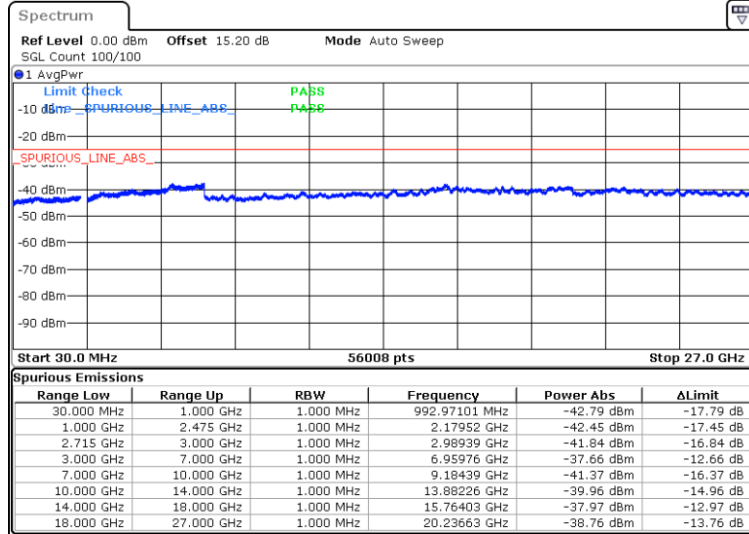
Middle Channel / QPSK



Date: 27.OCT.2022 23:38:32

Date: 27.OCT.2022 23:25:32

Highest Channel / QPSK



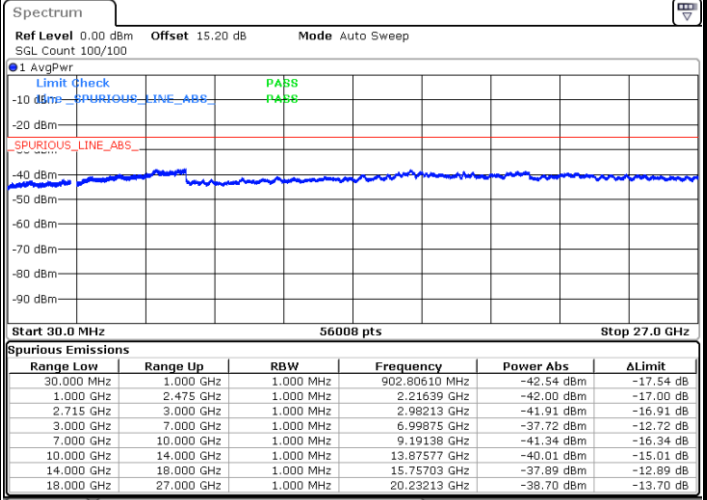
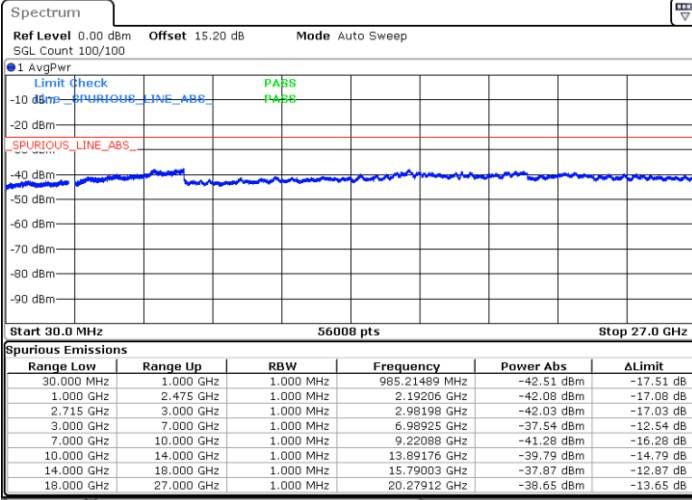
Date: 28.OCT.2022 08:56:49



LTE Band 41 (HPUE) / 15MHz

Lowest Channel / QPSK

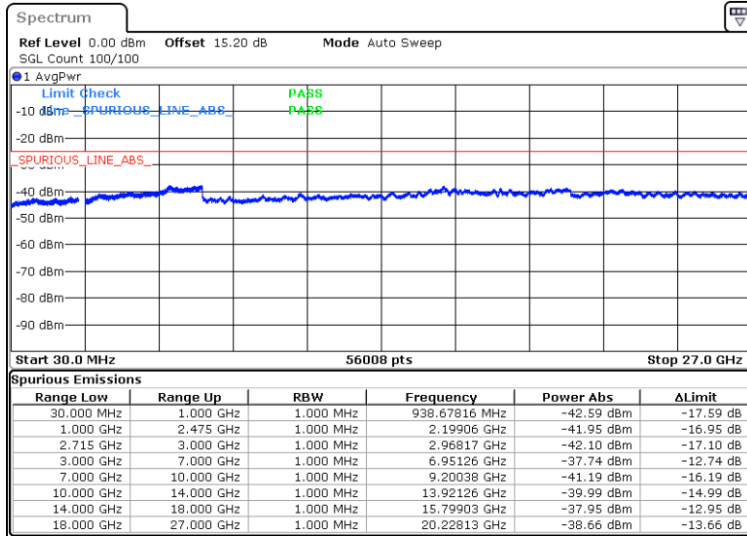
Middle Channel / QPSK



Date: 28.OCT.2022 09:09:54

Date: 28.OCT.2022 10:18:21

Highest Channel / QPSK



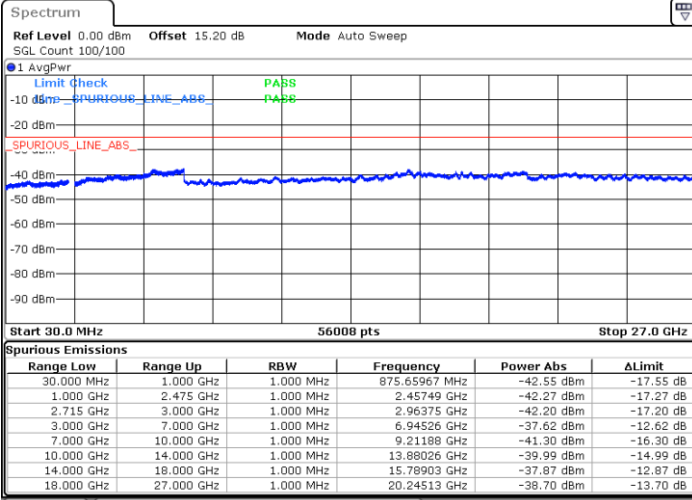
Date: 28.OCT.2022 10:17:12



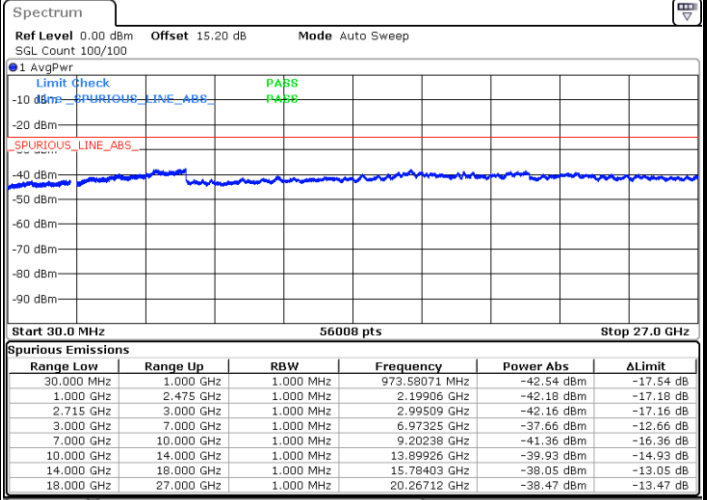
LTE Band 41 (HPUE) / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

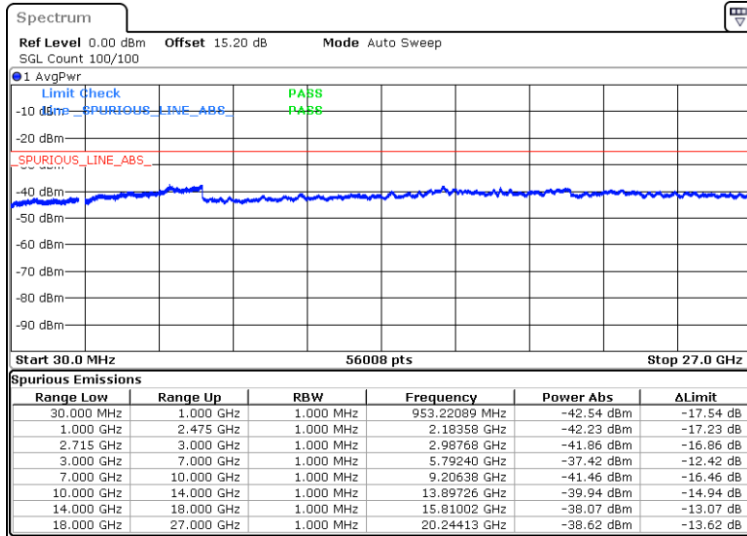


Date: 28.OCT.2022 10:32:45



Date: 28.OCT.2022 10:19:46

Highest Channel / QPSK



Date: 28.OCT.2022 10:45:43





**Frequency Stability**

Test Conditions		LTE Band 41 (HPUE) (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0029	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0036	

**Note:**

- 1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 4.4 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 41C (HPUE)

## 26dB Bandwidth

Mode	LTE Band 41C (HPUE) : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.83	25.28	29.67	24.98	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.83	24.93	30.15	35.04	39.88

Mode	LTE Band 41C (HPUE) : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.88	25.08	29.97	25.13	30.45
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.83	24.93	29.97	34.97	39.72

Mode	LTE Band 41C (HPUE) : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.63	25.08	29.91	25.18	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.90	24.93	29.97	34.90	39.96

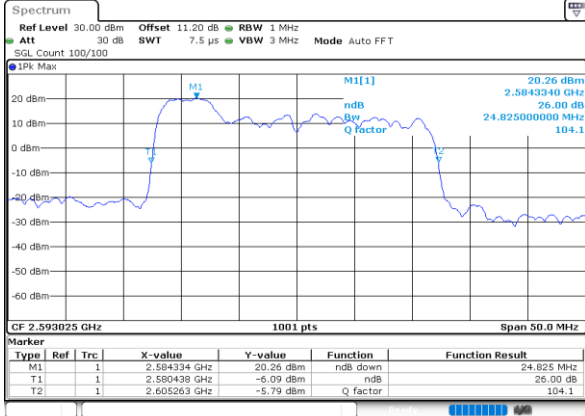
Mode	LTE Band 41C (HPUE) : 26dB BW(MHz)				
256QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.78	25.13	29.91	25.18	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.69	25.03	30.03	34.97	39.80



LTE Band 41C (HPUE)

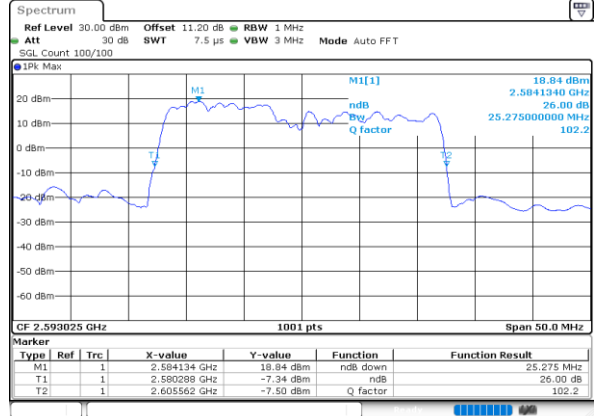
QPSK

Middle Channel / 5MHz+20MHz



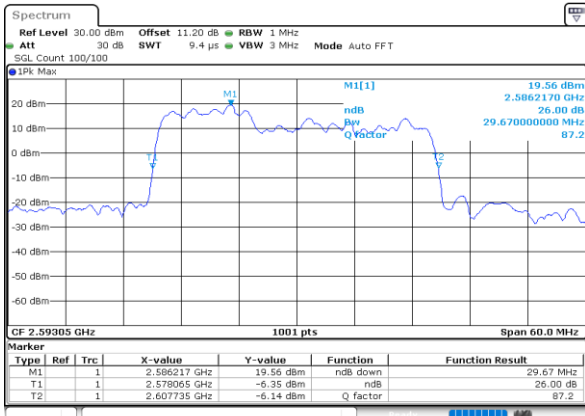
Date: 11.NOV.2022 09:08:49

Middle Channel / 10MHz+15MHz



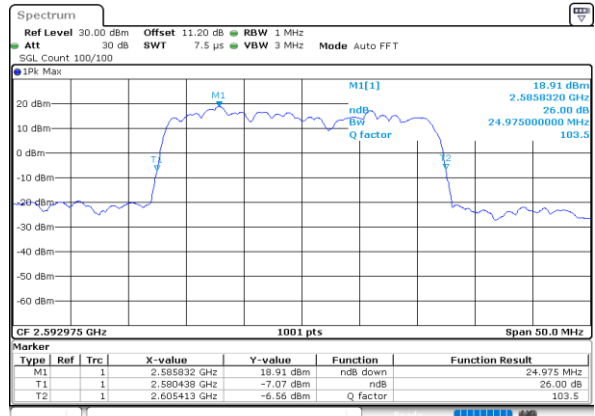
Date: 11.NOV.2022 09:19:19

Middle Channel / 10MHz+20MHz



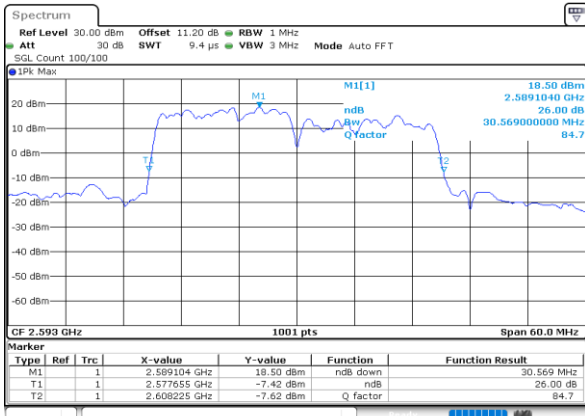
Date: 11.NOV.2022 09:29:49

Middle Channel / 15MHz+10MHz



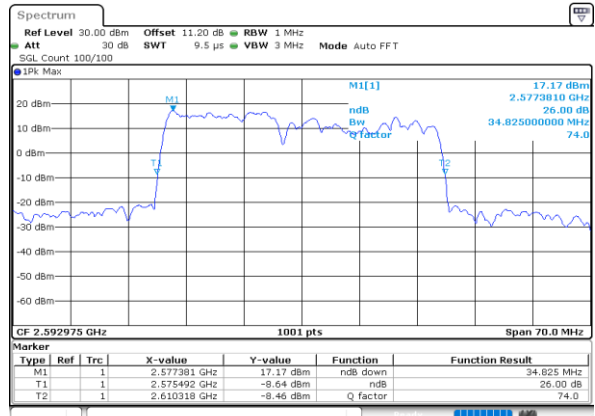
Date: 11.NOV.2022 09:24:34

Middle Channel / 15MHz+15MHz



Date: 11.NOV.2022 09:39:52

Middle Channel / 15MHz+20MHz



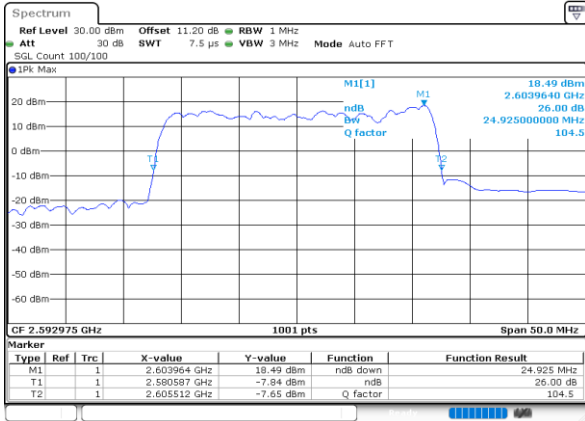
Date: 11.NOV.2022 09:44:46



LTE Band 41C (HPUE)

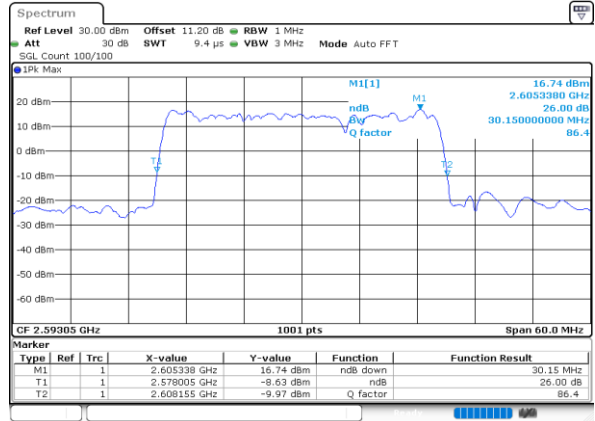
QPSK

Middle Channel / 20MHz+5MHz



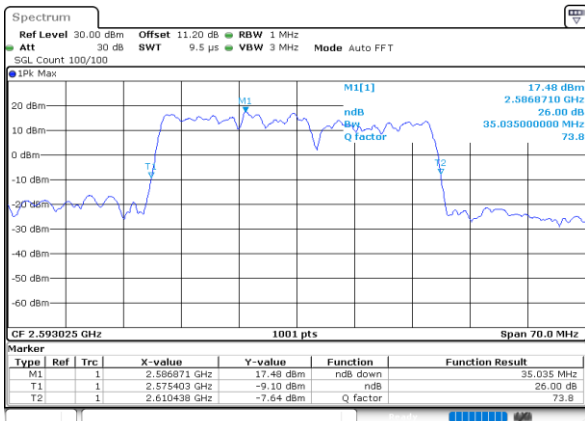
Date: 11.NOV.2022 09:14:04

Middle Channel / 20MHz+10MHz



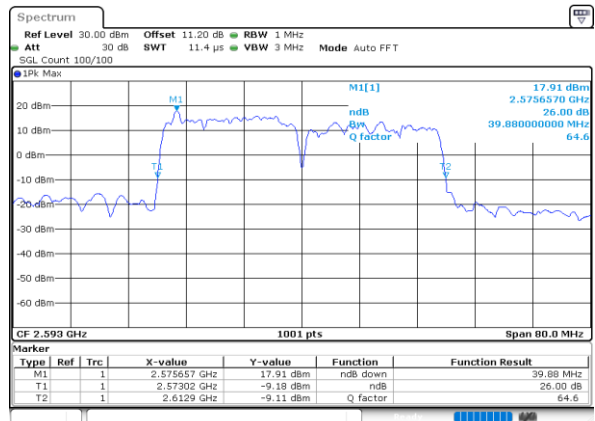
Date: 11.NOV.2022 09:15:04

Middle Channel / 20MHz+15MHz



Date: 11.NOV.2022 09:15:01

Middle Channel / 20MHz+20MHz



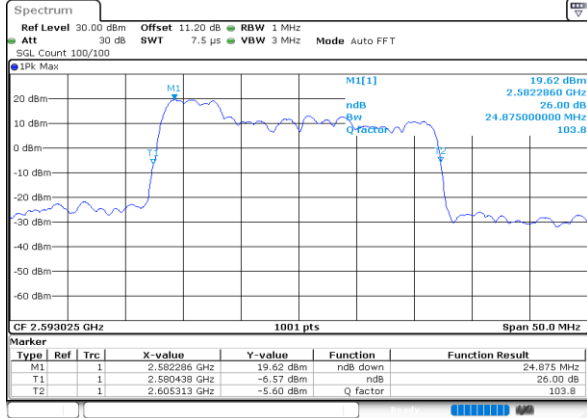
Date: 11.NOV.2022 09:15:44



LTE Band 41C (HPUE)

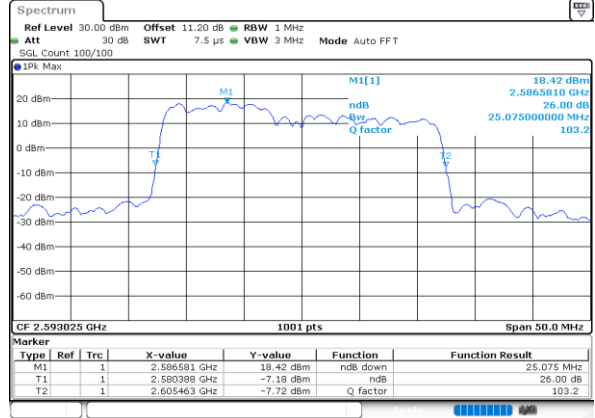
16QAM

Middle Channel / 5MHz+20MHz



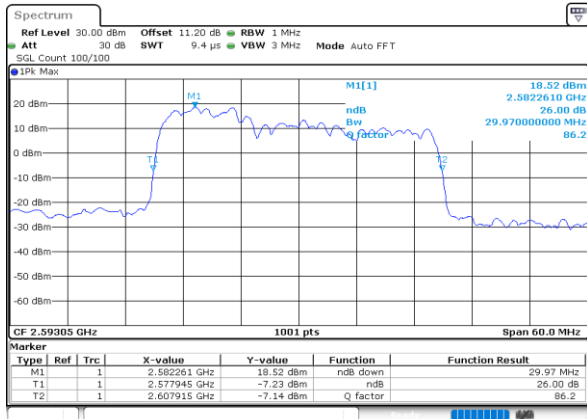
Date: 11.NOV.2022 09:09:28

Middle Channel / 10MHz+15MHz



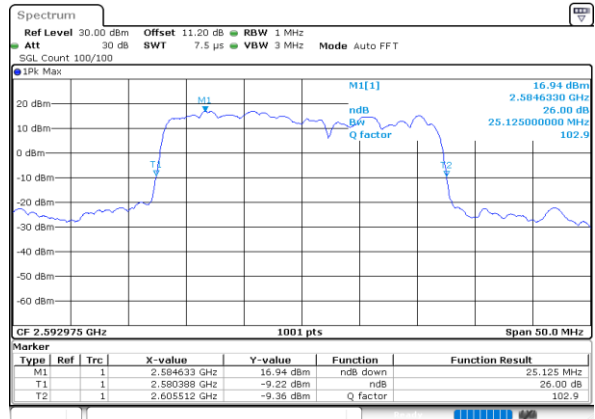
Date: 11.NOV.2022 09:19:57

Middle Channel / 10MHz+20MHz



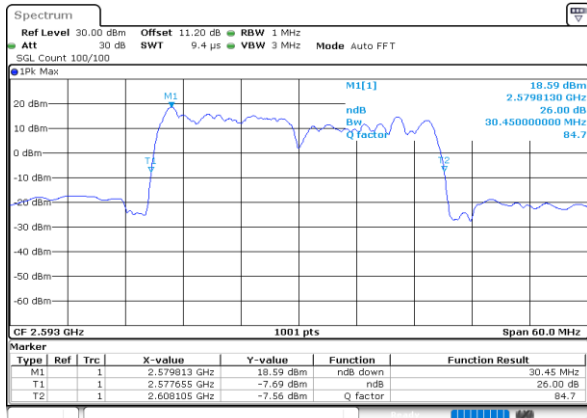
Date: 11.NOV.2022 09:30:27

Middle Channel / 15MHz+10MHz



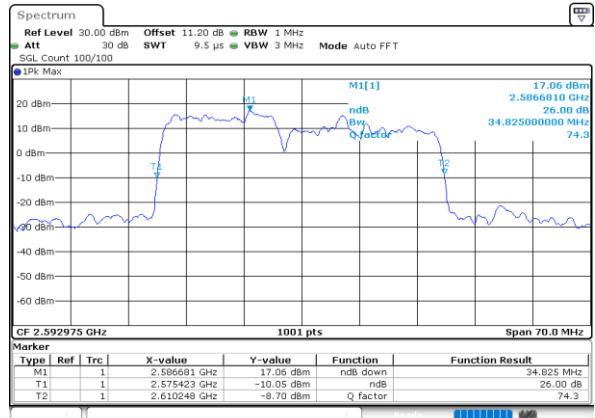
Date: 11.NOV.2022 09:25:12

Middle Channel / 15MHz+15MHz



Date: 11.NOV.2022 09:40:25

Middle Channel / 15MHz+20MHz



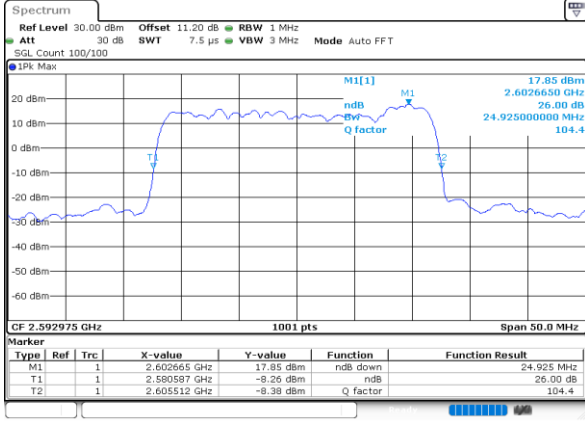
Date: 11.NOV.2022 09:45:24



LTE Band 41C (HPUE)

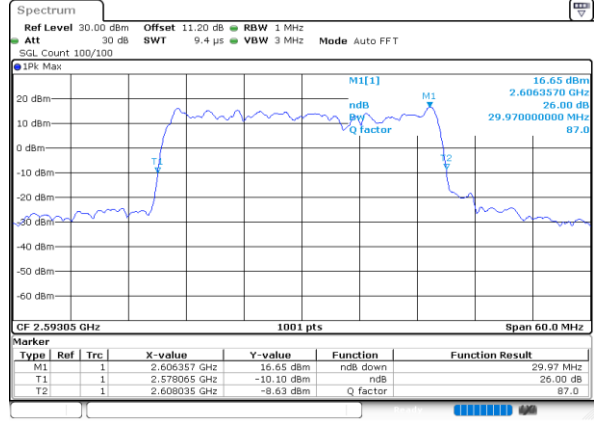
16QAM

Middle Channel / 20MHz+5MHz



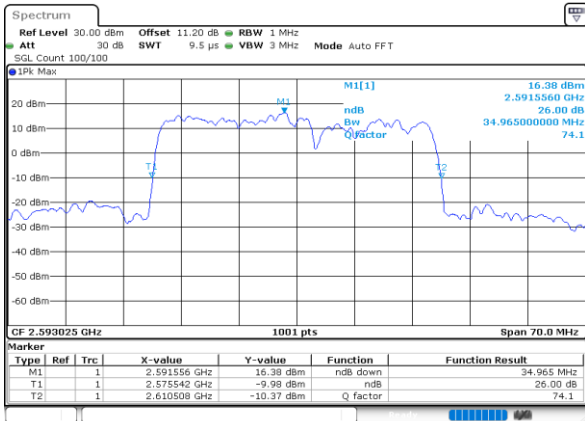
Date: 11.NOV.2022 09:14:42

Middle Channel / 20MHz+10MHz



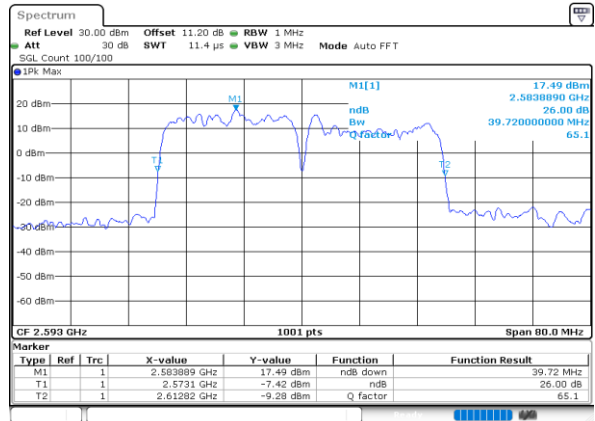
Date: 11.NOV.2022 09:15:42

Middle Channel / 20MHz+15MHz



Date: 11.NOV.2022 09:50:39

Middle Channel / 20MHz+20MHz



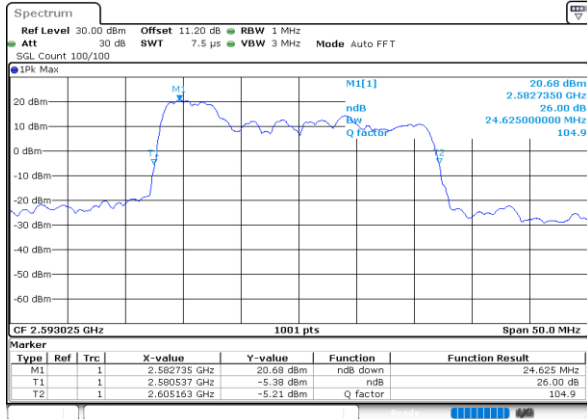
Date: 11.NOV.2022 09:55:17



LTE Band 41C (HPUE)

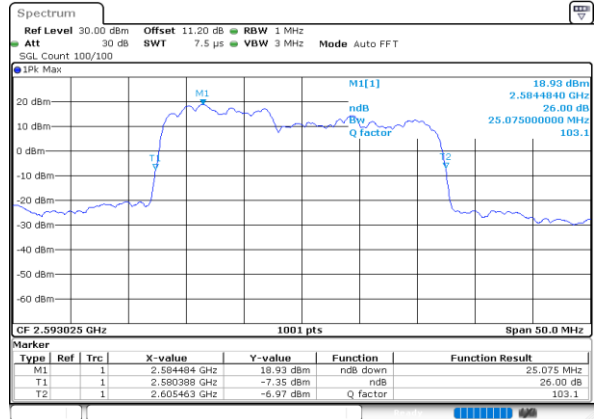
64QAM

Middle Channel / 5MHz+20MHz



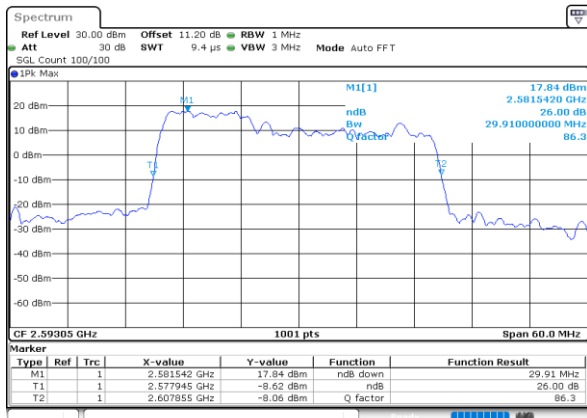
Date: 11.NOV.2022 09:10:06

Middle Channel / 10MHz+15MHz



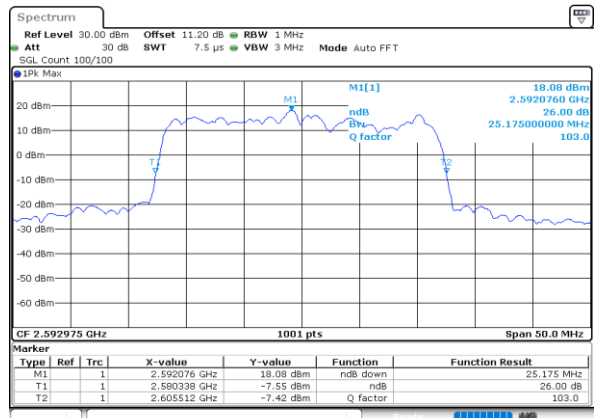
Date: 11.NOV.2022 09:20:36

Middle Channel / 10MHz+20MHz



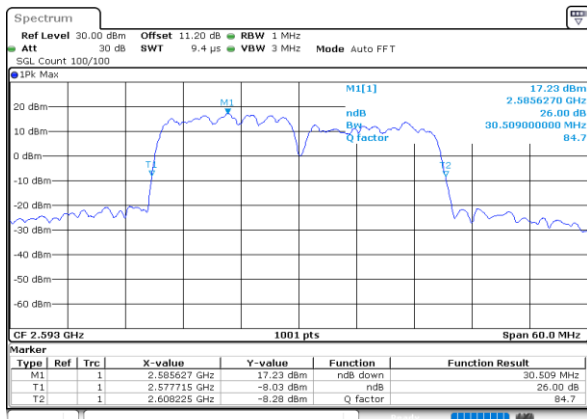
Date: 11.NOV.2022 09:31:05

Middle Channel / 15MHz+10MHz



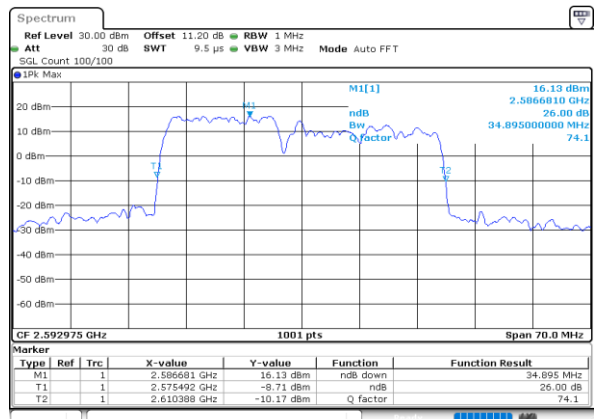
Date: 11.NOV.2022 09:25:50

Middle Channel / 15MHz+15MHz



Date: 11.NOV.2022 09:40:58

Middle Channel / 15MHz+20MHz



Date: 11.NOV.2022 09:46:02

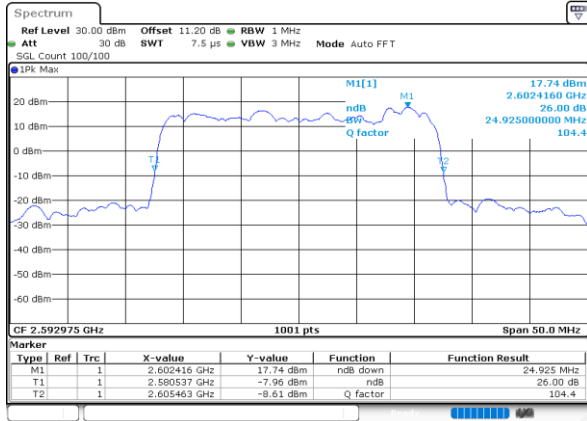




LTE Band 41C (HPUE)

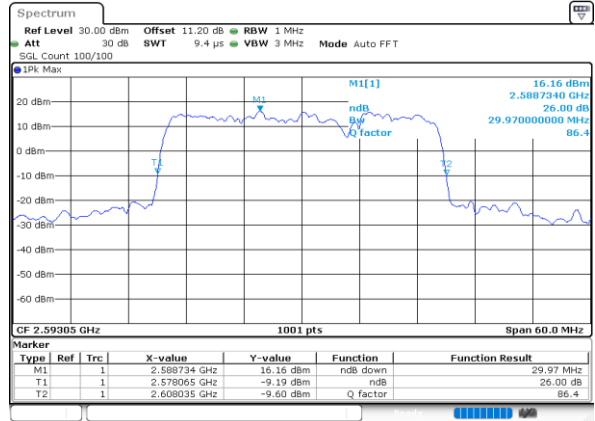
64QAM

Middle Channel / 20MHz+5MHz



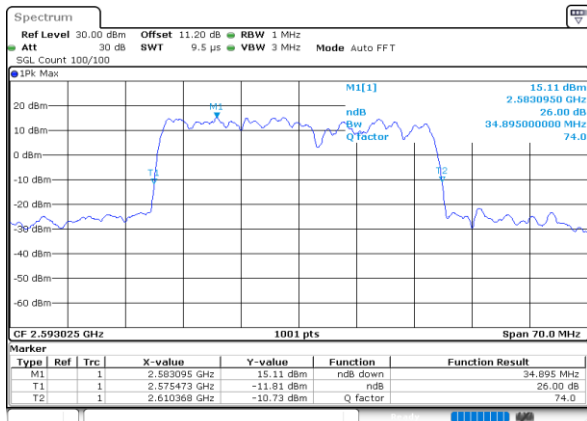
Date: 11.NOV.2022 09:15:21

Middle Channel / 20MHz+10MHz



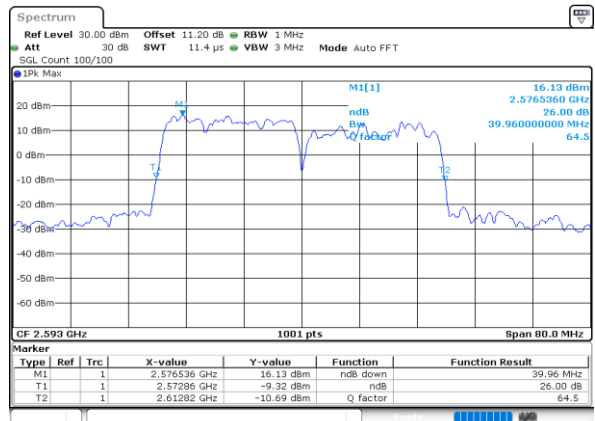
Date: 11.NOV.2022 09:16:20

Middle Channel / 20MHz+15MHz



Date: 11.NOV.2022 09:51:17

Middle Channel / 20MHz+20MHz



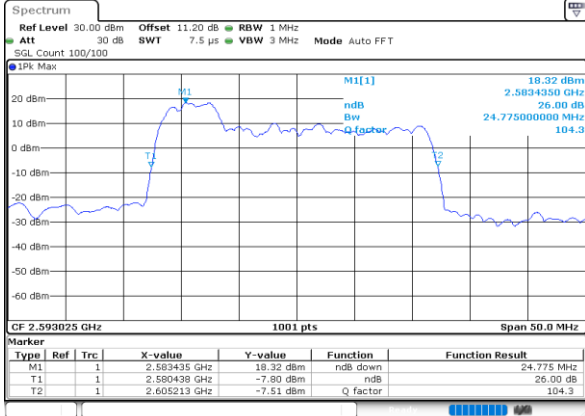
Date: 11.NOV.2022 09:55:49



LTE Band 41C (HPUE)

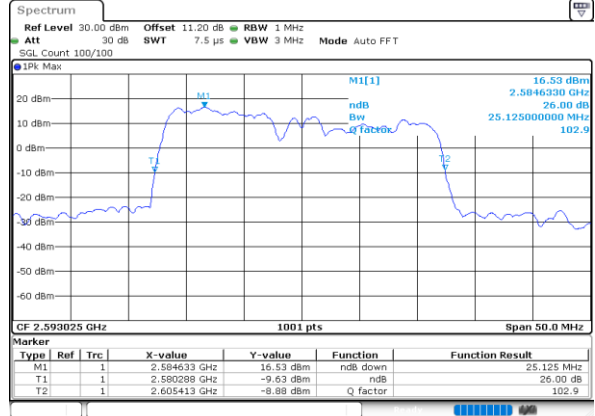
256QAM

Middle Channel / 5MHz+20MHz



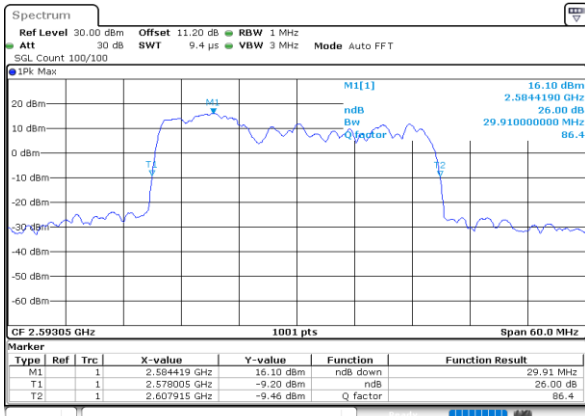
Date: 11.NOV.2022 09:10:44

Middle Channel / 10MHz+15MHz



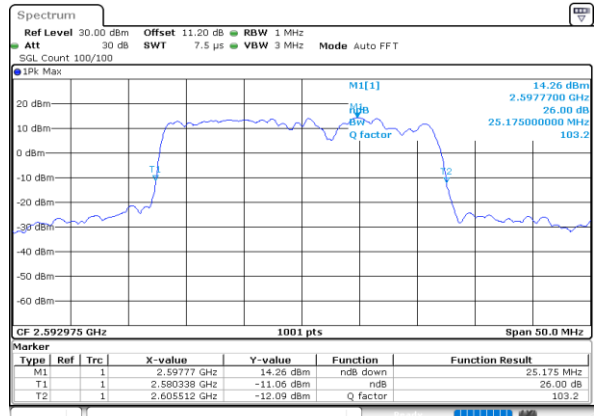
Date: 11.NOV.2022 09:21:14

Middle Channel / 10MHz+20MHz



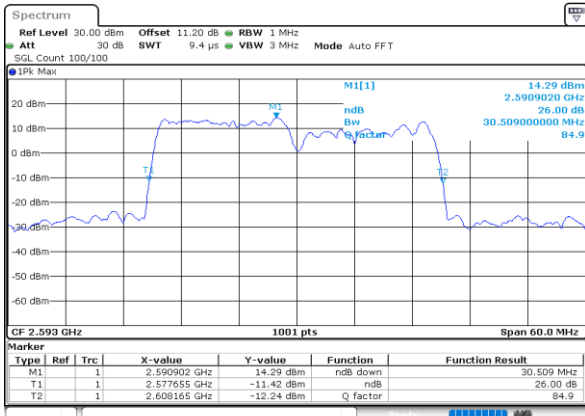
Date: 11.NOV.2022 09:31:43

Middle Channel / 15MHz+10MHz



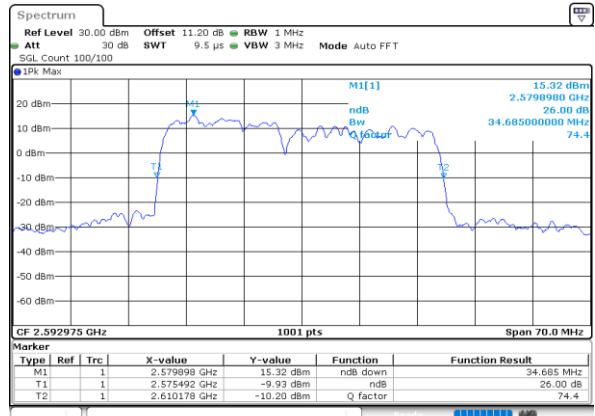
Date: 11.NOV.2022 09:26:29

Middle Channel / 15MHz+15MHz



Date: 11.NOV.2022 09:41:31

Middle Channel / 15MHz+20MHz



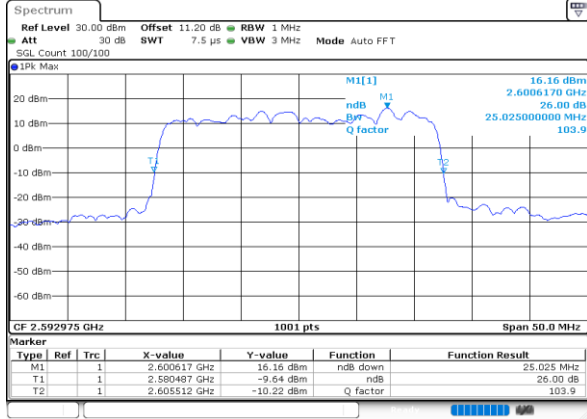
Date: 11.NOV.2022 09:46:40



LTE Band 41C (HPUE)

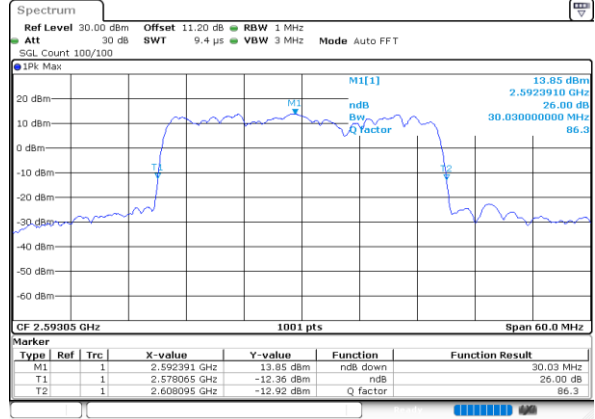
256QAM

Middle Channel / 20MHz+5MHz



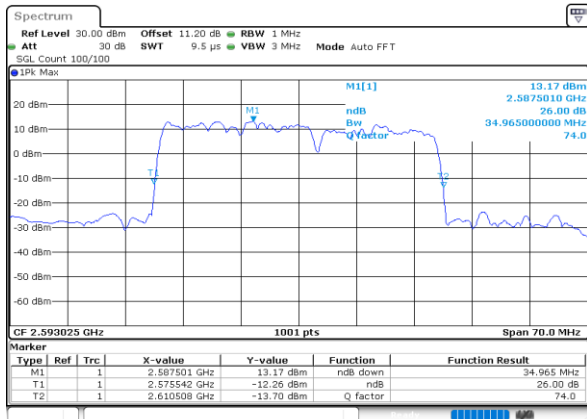
Date: 11.NOV.2022 09:15:59

Middle Channel / 20MHz+10MHz



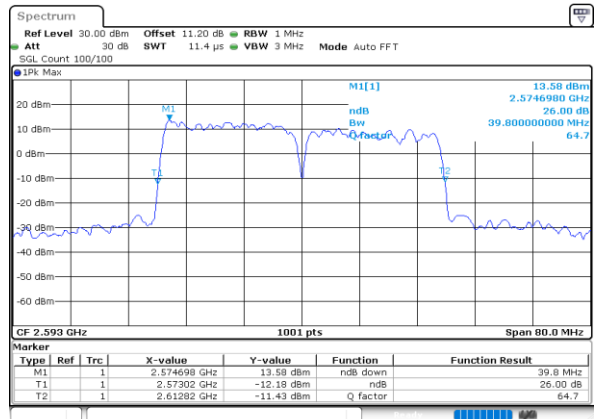
Date: 11.NOV.2022 09:16:58

Middle Channel / 20MHz+15MHz



Date: 11.NOV.2022 09:15:55

Middle Channel / 20MHz+20MHz



Date: 11.NOV.2022 09:16:22



### Occupied Bandwidth

Mode	LTE Band 41C (HPUE) : 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.08	23.53	27.99	23.68	28.77
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.87	23.38	27.99	32.80	37.64

Mode	LTE Band 41C (HPUE) : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.18	23.43	27.93	23.33	28.53
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.73	23.23	28.05	32.66	37.72

Mode	LTE Band 41C (HPUE) : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.03	23.43	27.99	23.38	28.47
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.80	23.08	28.11	32.80	37.64

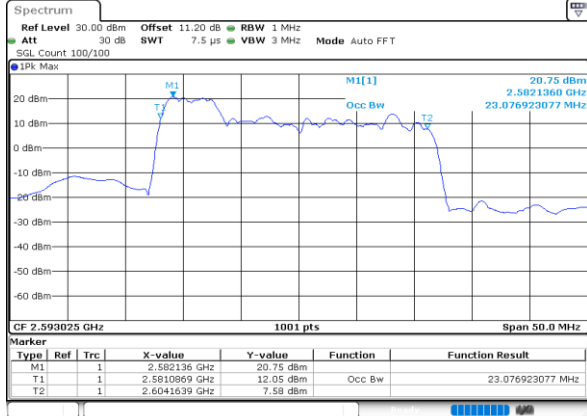
Mode	LTE Band 41C (HPUE) : 99%OBW(MHz)				
256QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	22.88	23.58	27.87	23.38	28.77
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.59	23.18	28.11	32.38	37.88



LTE Band 41C (HPUE)

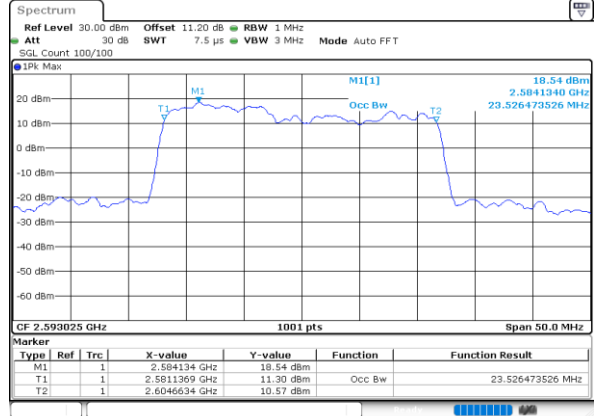
QPSK

Middle Channel / 5MHz+20MHz



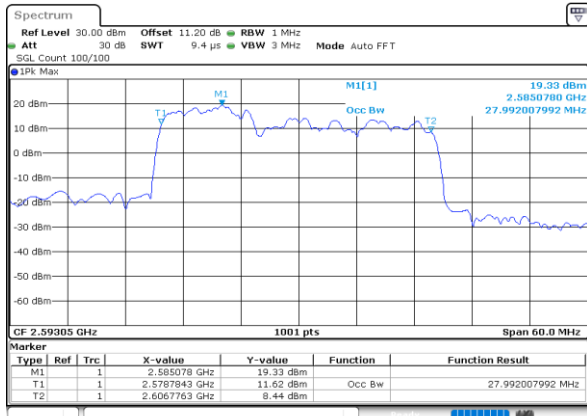
Date: 11.NOV.2022 09:16:16

Middle Channel / 10MHz+15MHz



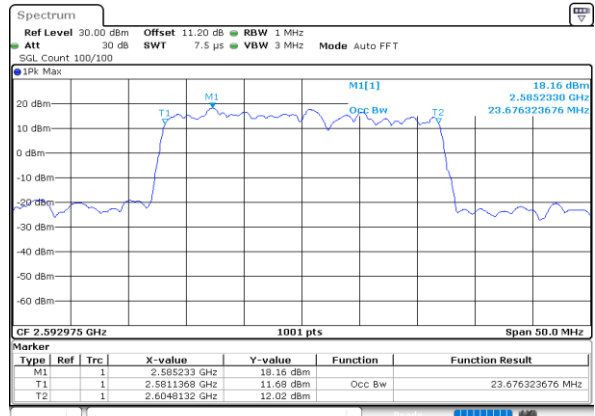
Date: 11.NOV.2022 09:16:47

Middle Channel / 10MHz+20MHz



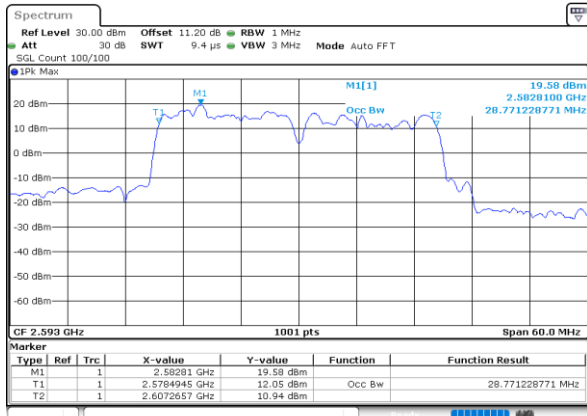
Date: 11.NOV.2022 09:27:16

Middle Channel / 15MHz+10MHz



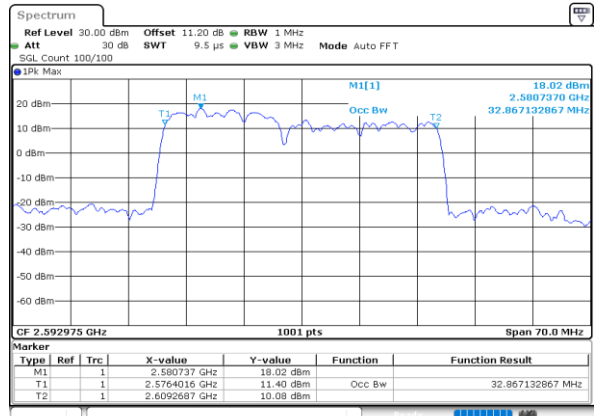
Date: 11.NOV.2022 09:12:02

Middle Channel / 15MHz+15MHz



Date: 11.NOV.2022 09:37:40

Middle Channel / 15MHz+20MHz



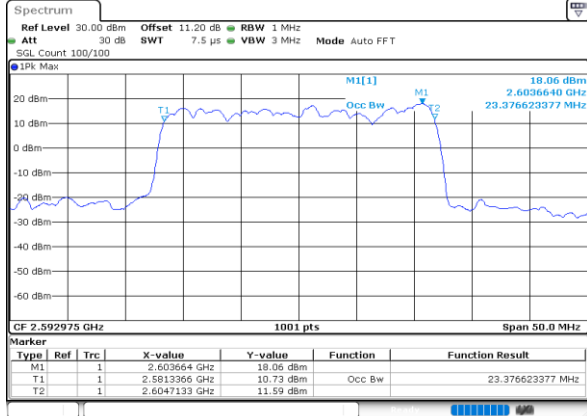
Date: 11.NOV.2022 09:42:13



LTE Band 41C (HPUE)

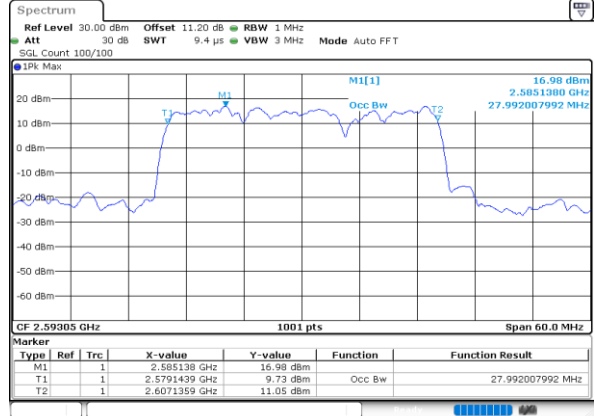
QPSK

Middle Channel / 20MHz+5MHz



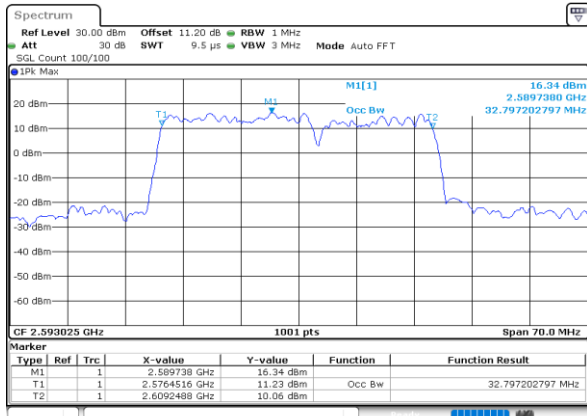
Date: 11.NOV.2022 09:11:32

Middle Channel / 20MHz+10MHz



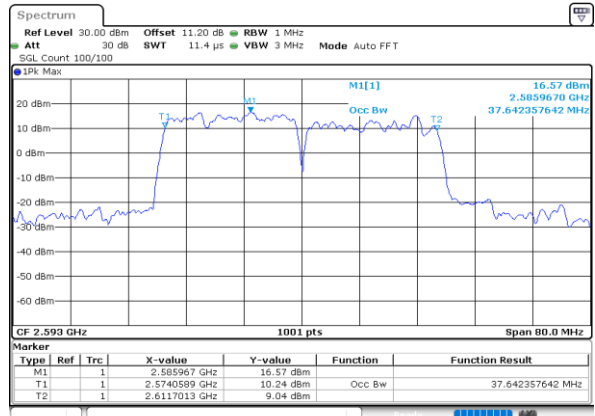
Date: 11.NOV.2022 09:12:31

Middle Channel / 20MHz+15MHz



Date: 11.NOV.2022 09:47:28

Middle Channel / 20MHz+20MHz



Date: 11.NOV.2022 09:52:32