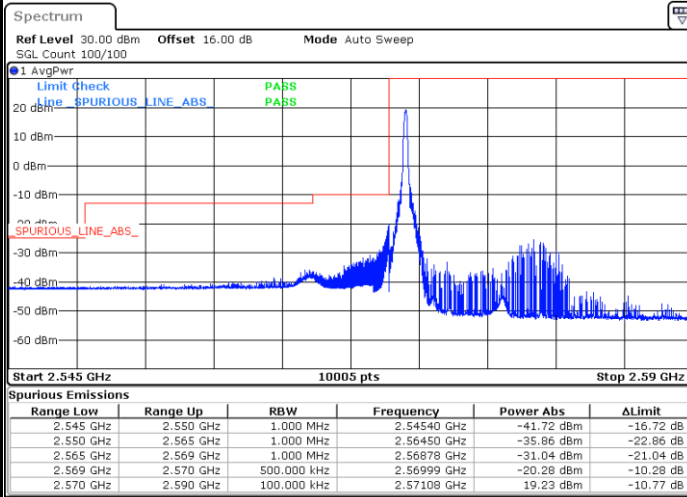




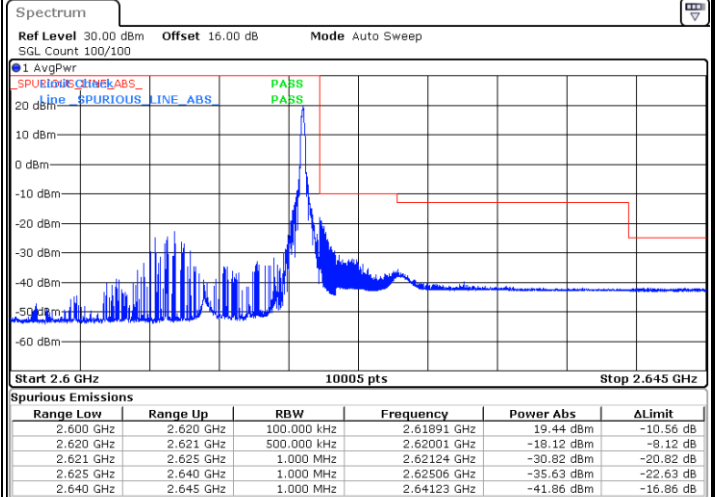
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



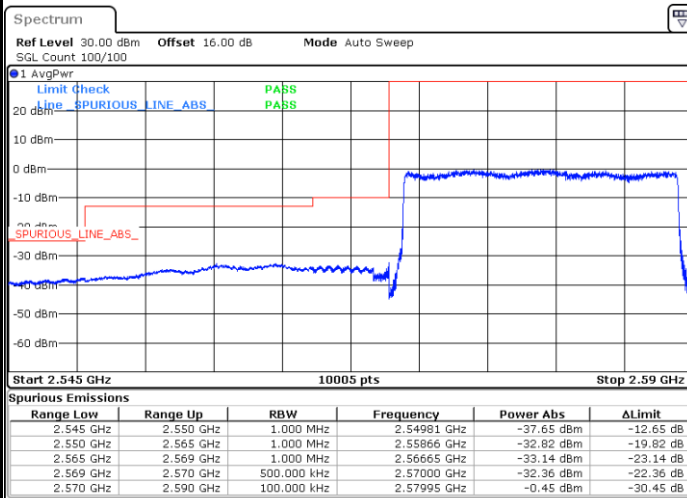
Date: 19.JAN.2022 06:13:30

Highest Band Edge / 1 RB



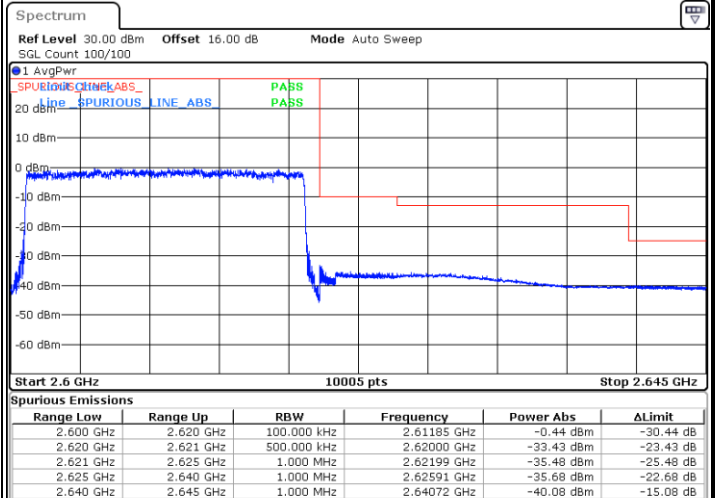
Date: 19.JAN.2022 06:15:30

Lowest Band Edge / Full RB



Date: 19.JAN.2022 06:14:10

Highest Band Edge / Full RB



Date: 19.JAN.2022 06:14:50

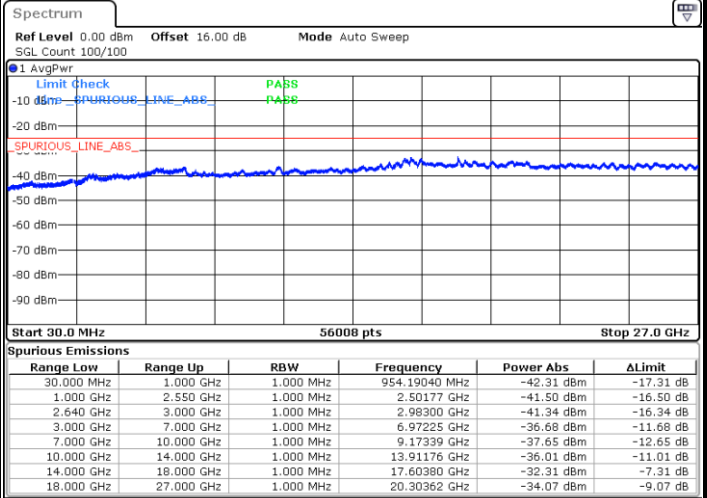
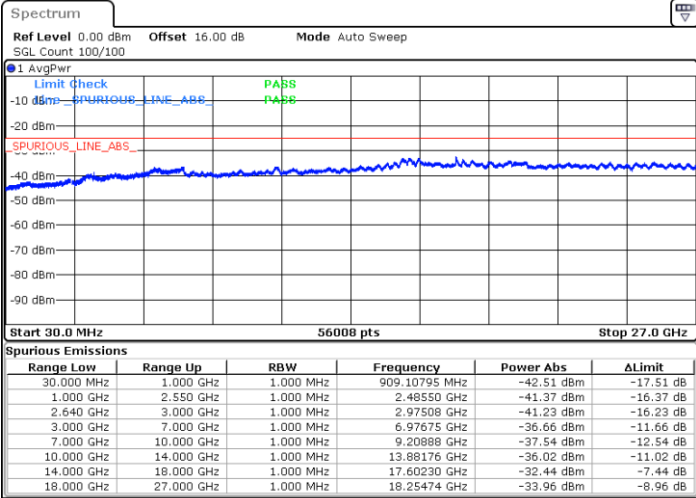


Conducted Spurious Emission

LTE Band 38 / 5MHz

Lowest Channel / QPSK

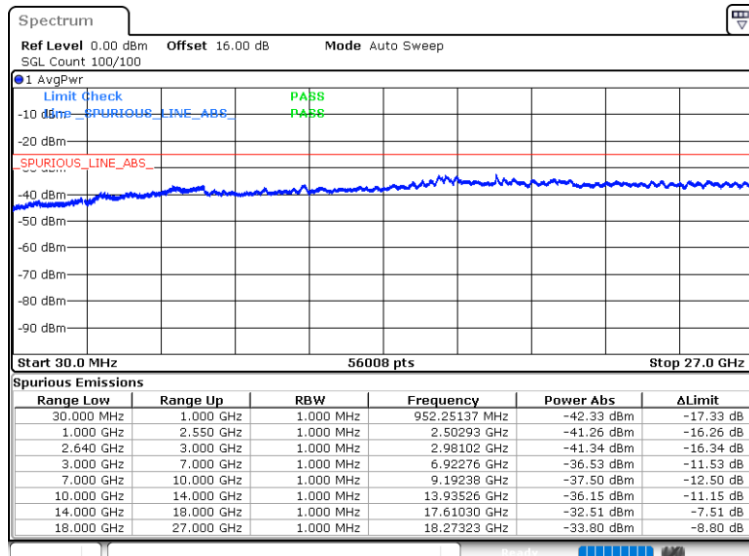
Middle Channel / QPSK



Date: 19.JAN.2022 06:24:53

Date: 19.JAN.2022 06:26:13

Highest Channel / QPSK



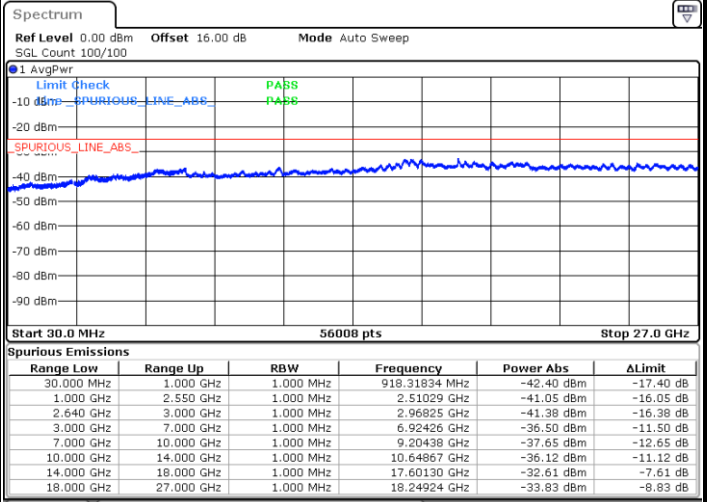
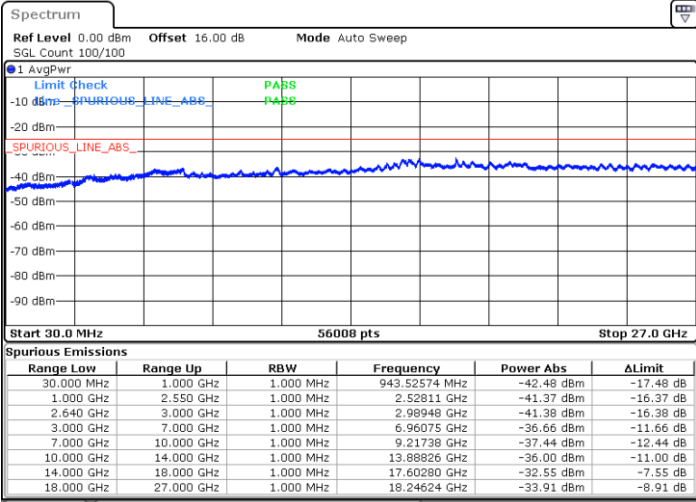
Date: 19.JAN.2022 06:27:33



LTE Band 38 / 10MHz

Lowest Channel / QPSK

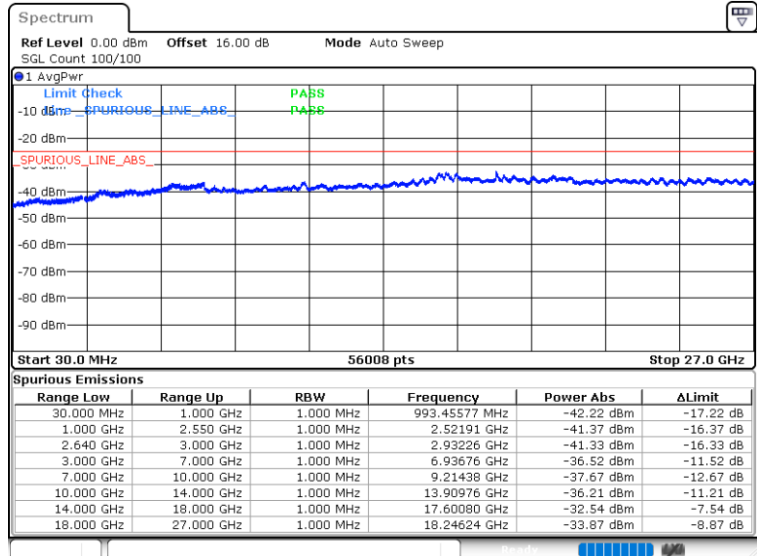
Middle Channel / QPSK



Date: 19.JAN.2022 06:28:54

Date: 19.JAN.2022 06:30:14

Highest Channel / QPSK



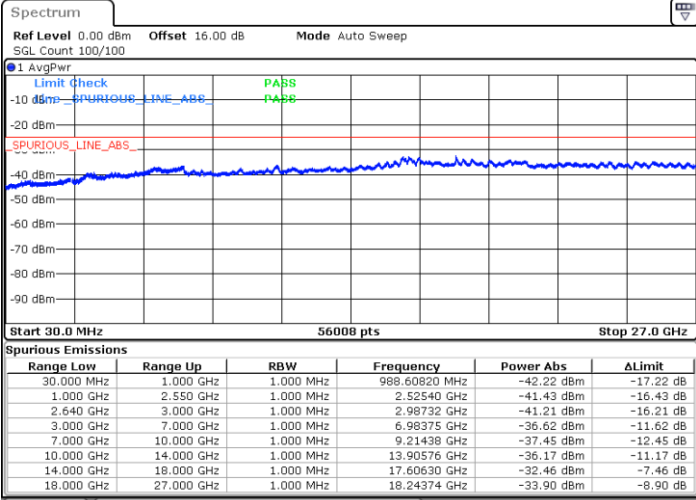
Date: 19.JAN.2022 06:31:35



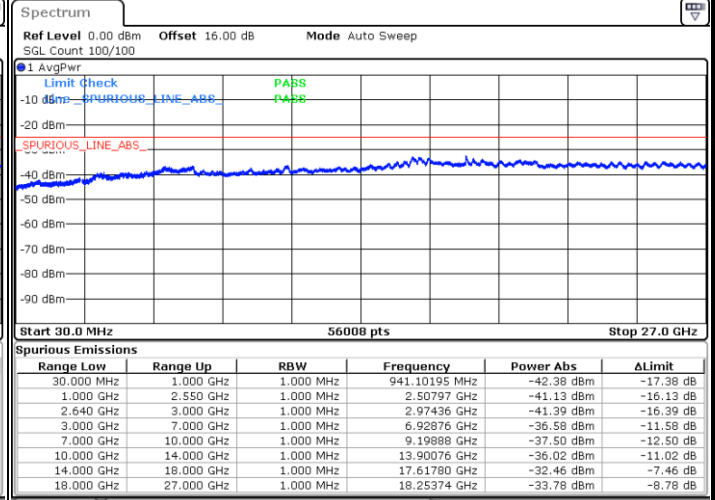
LTE Band 38 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

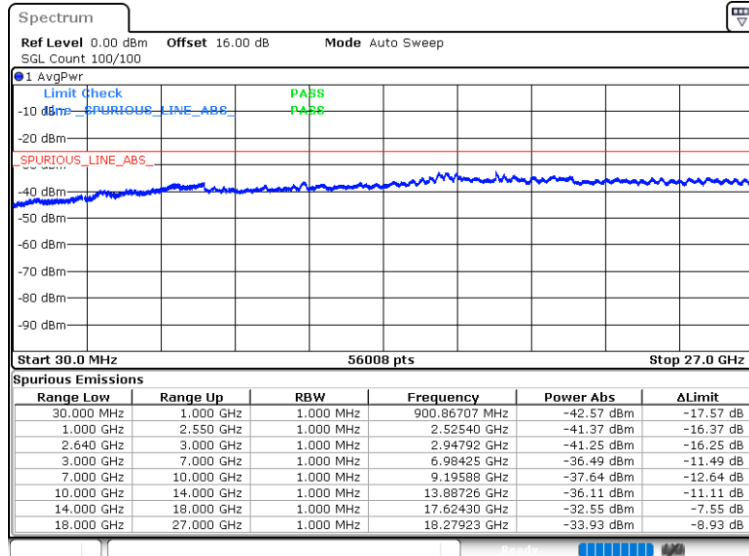


Date: 19.JAN.2022 06:32:56



Date: 19.JAN.2022 06:34:16

Highest Channel / QPSK



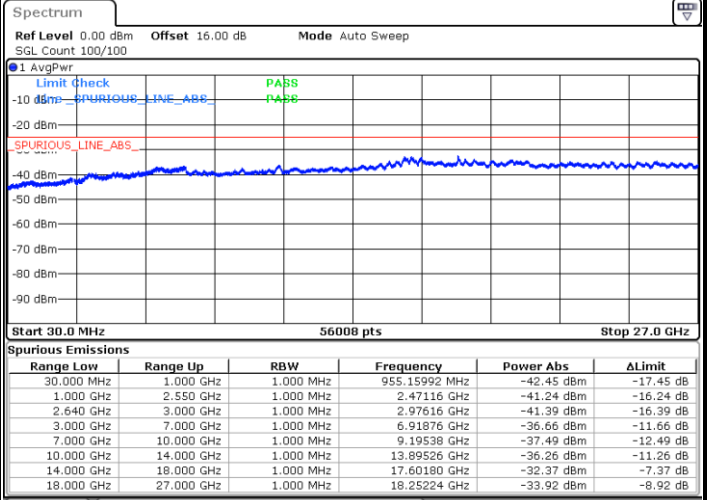
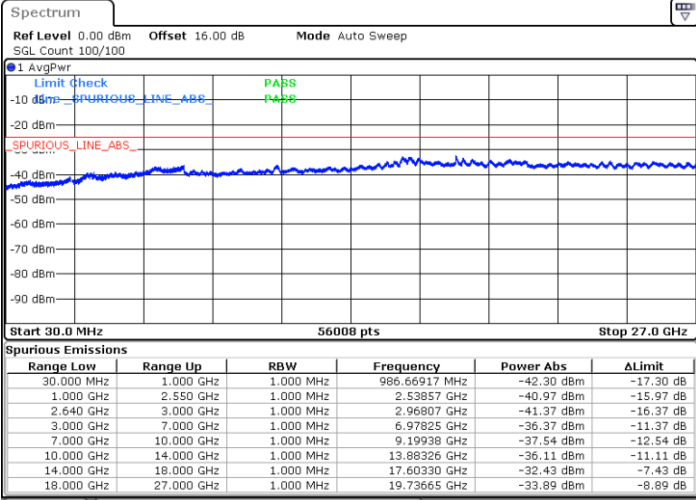
Date: 19.JAN.2022 06:35:36



LTE Band 38 / 20MHz

Lowest Channel / QPSK

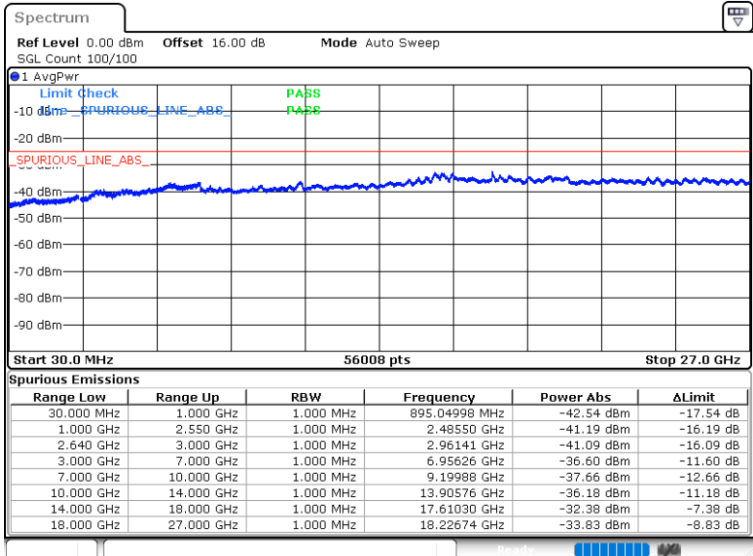
Middle Channel / QPSK



Date: 19.JAN.2022 06:36:57

Date: 19.JAN.2022 06:38:17

Highest Channel / QPSK



Date: 19.JAN.2022 06:39:37



Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0020	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0054	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0053	

Note:

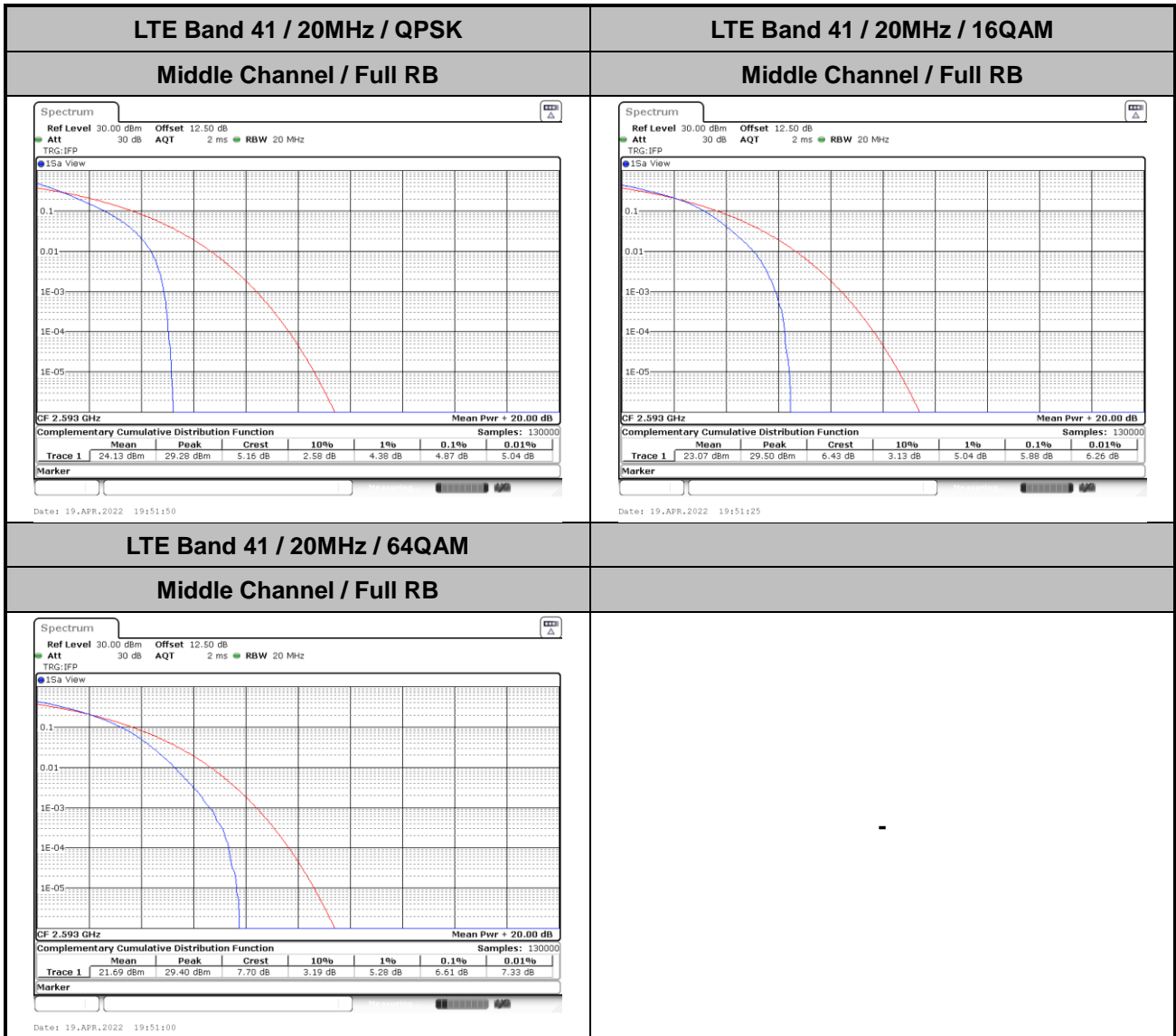
- 1. Normal Voltage =14 V. ; Battery End Point (BEP) =12 V. ; Maximum Voltage =16 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.87	5.88	6.61	PASS





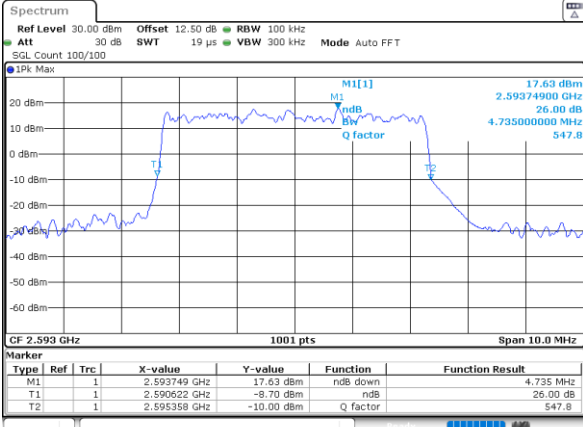
26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.74	4.76	9.85	9.79	14.54	14.15	18.90	18.90
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	-	-	-	-	4.75	-	9.75	-	14.18	-	18.78	-



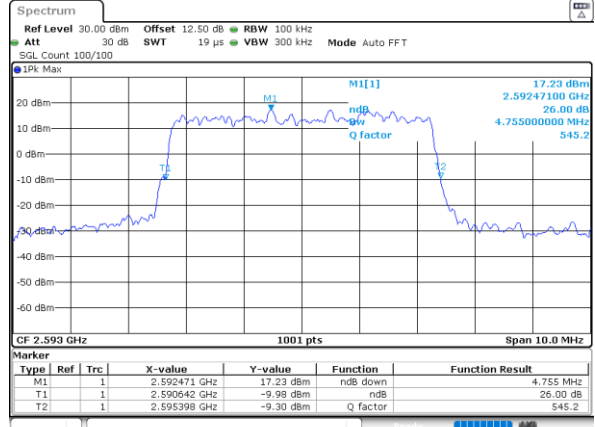
LTE Band 41

Middle Channel / 5MHz / QPSK



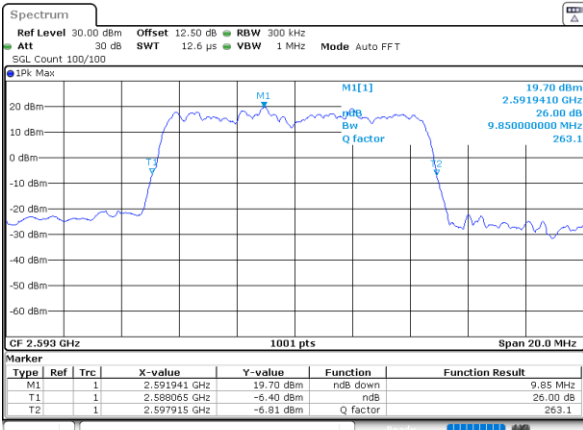
Date: 19_APR.2022 19:42:10

Middle Channel / 5MHz / 16QAM



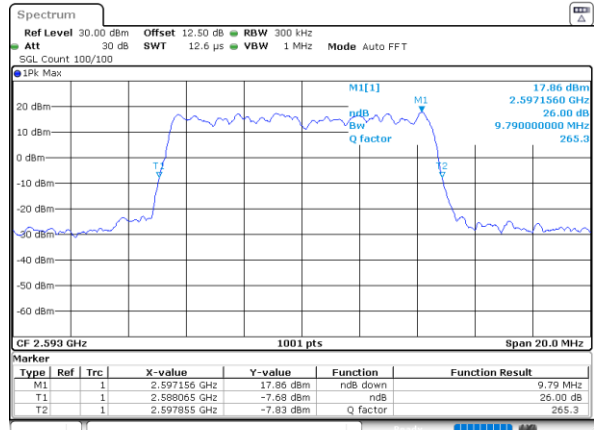
Date: 19_APR.2022 19:42:142

Middle Channel / 10MHz / QPSK



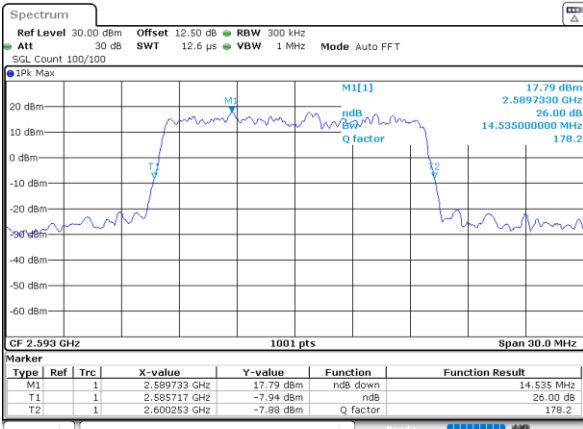
Date: 19_APR.2022 19:44:40

Middle Channel / 10MHz / 16QAM



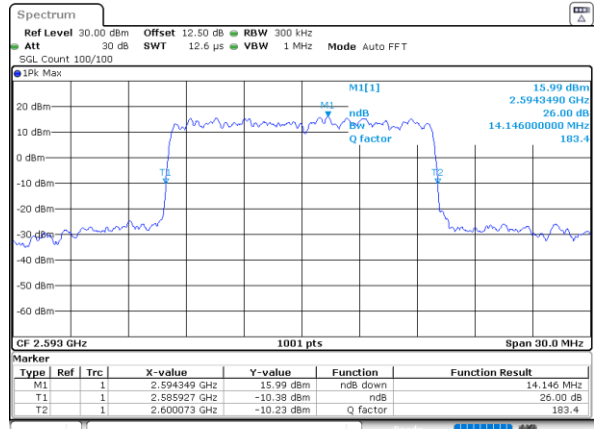
Date: 19_APR.2022 19:44:103

Middle Channel / 15MHz / QPSK



Date: 19_APR.2022 19:47:02

Middle Channel / 15MHz / 16QAM

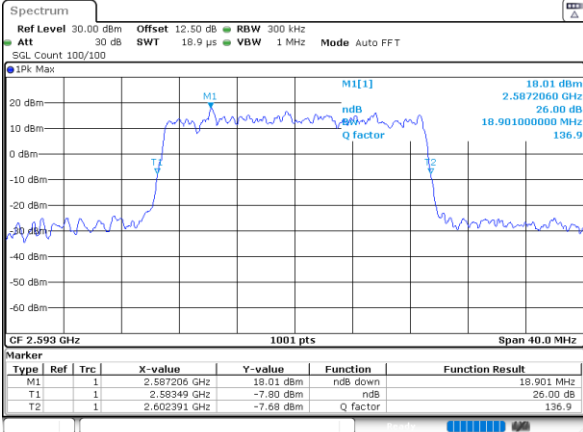


Date: 19_APR.2022 19:47:126



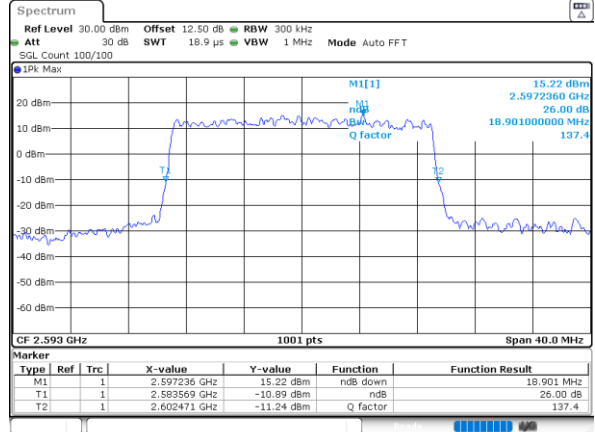
LTE Band 41

Middle Channel / 20MHz / QPSK



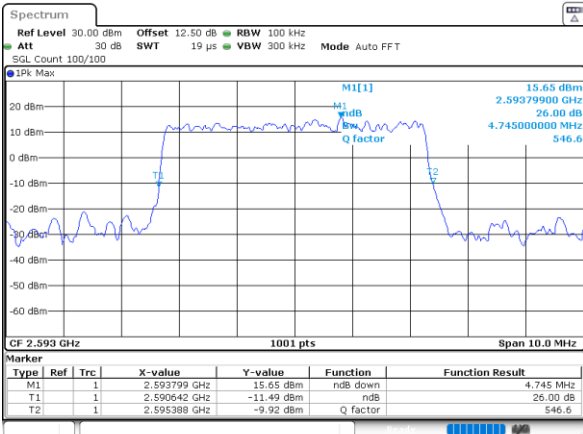
Date: 19_APR.2022 19:49:24

Middle Channel / 20MHz / 16QAM



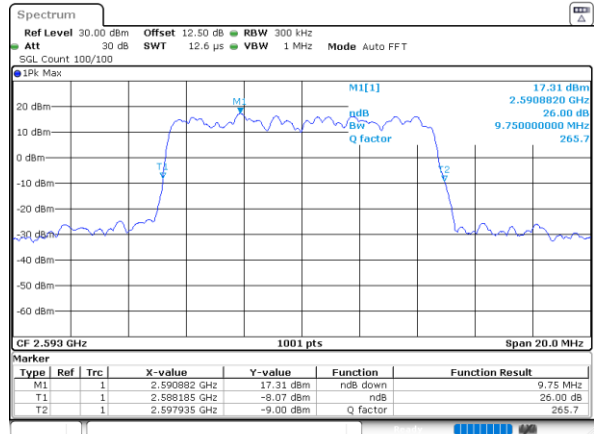
Date: 19_APR.2022 19:49:48

Middle Channel / 5MHz / 64QAM



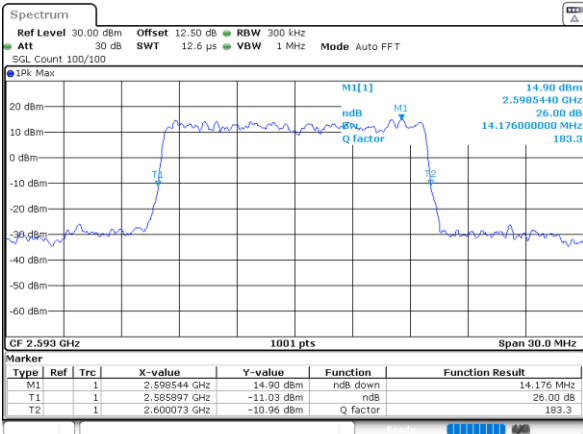
Date: 19_APR.2022 19:43:28

Middle Channel / 10MHz / 64QAM



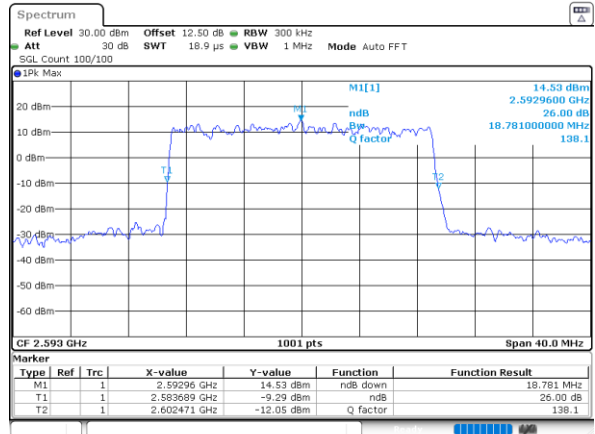
Date: 19_APR.2022 19:45:51

Middle Channel / 15MHz / 64QAM



Date: 19_APR.2022 19:48:13

Middle Channel / 20MHz / 64QAM



Date: 19_APR.2022 19:50:35



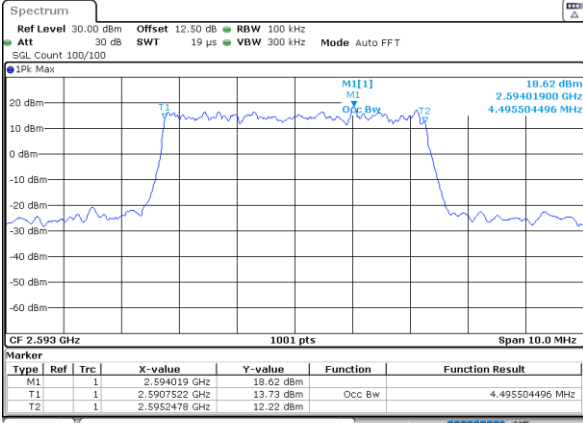
Occupied Bandwidth

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	-	-	-	-	4.50	4.47	8.99	9.03	13.40	13.46	17.86	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	-	9.01	-	13.37	-	17.94	-



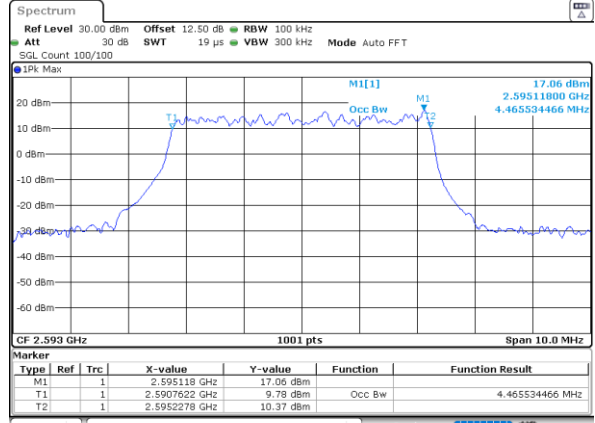
LTE Band 41

Middle Channel / 5MHz / QPSK



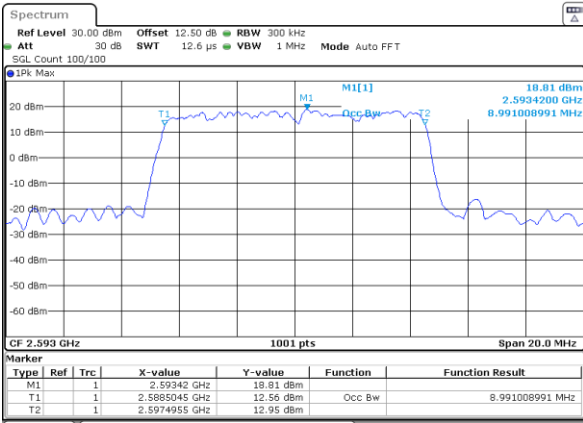
Date: 19_APR.2022 19:41:13

Middle Channel / 5MHz / 16QAM



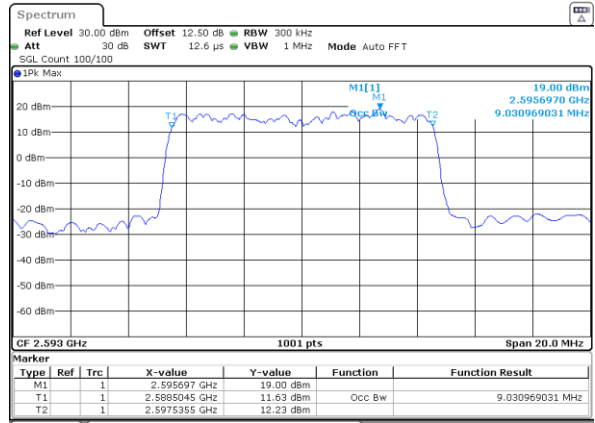
Date: 19_APR.2022 19:41:154

Middle Channel / 10MHz / QPSK



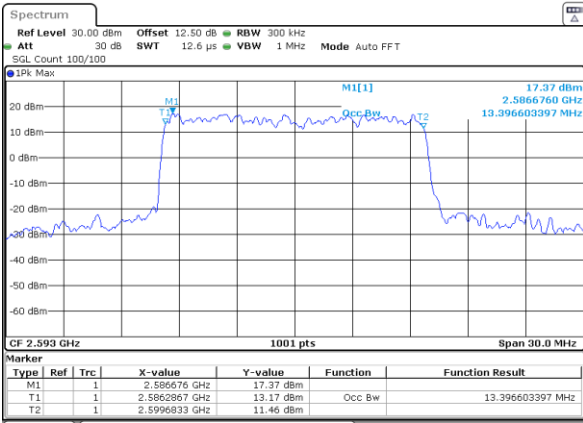
Date: 19_APR.2022 19:43:53

Middle Channel / 10MHz / 16QAM



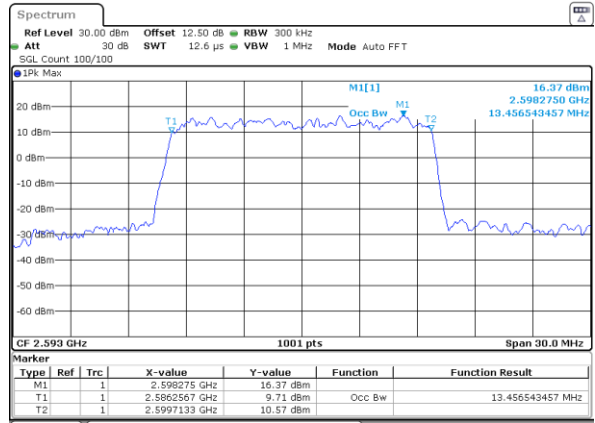
Date: 19_APR.2022 19:44:16

Middle Channel / 15MHz / QPSK



Date: 19_APR.2022 19:46:15

Middle Channel / 15MHz / 16QAM

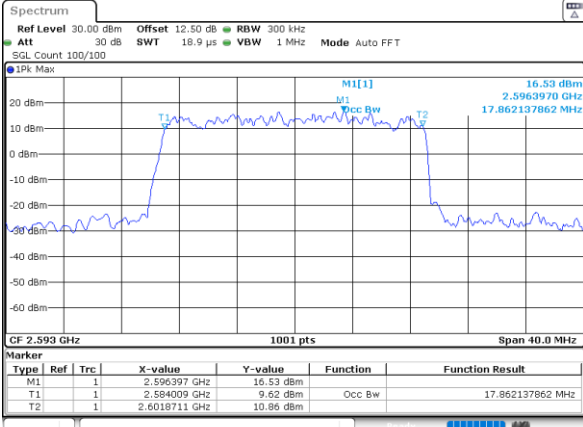


Date: 19_APR.2022 19:46:138



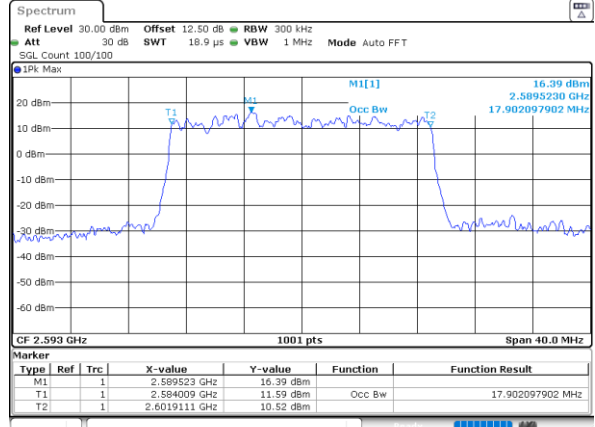
LTE Band 41

Middle Channel / 20MHz / QPSK



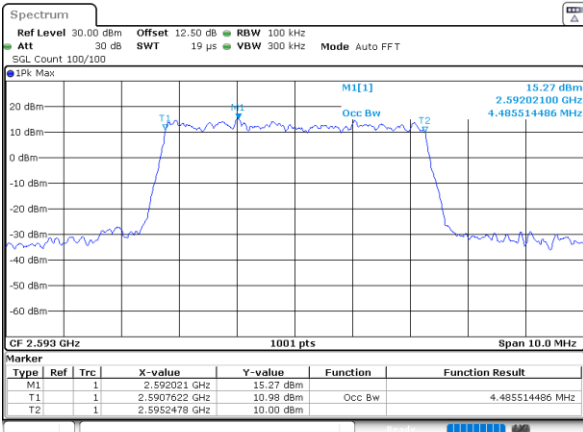
Date: 19_APR.2022 19:48:37

Middle Channel / 20MHz / 16QAM



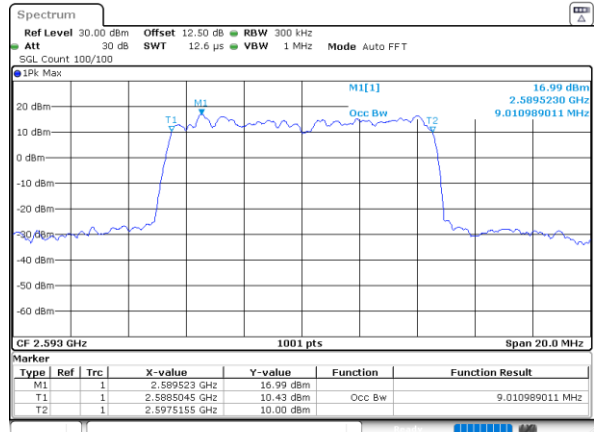
Date: 19_APR.2022 19:49:01

Middle Channel / 5MHz / 64QAM



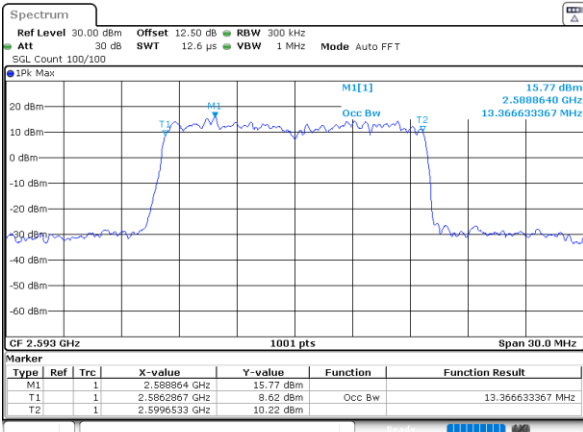
Date: 19_APR.2022 19:43:05

Middle Channel / 10MHz / 64QAM



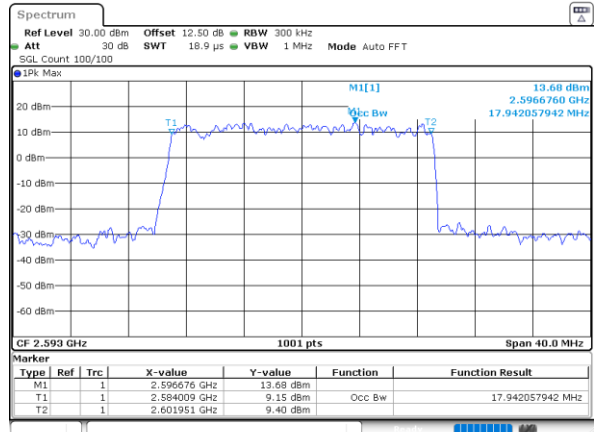
Date: 19_APR.2022 19:45:12

Middle Channel / 15MHz / 64QAM



Date: 19_APR.2022 19:47:49

Middle Channel / 20MHz / 64QAM



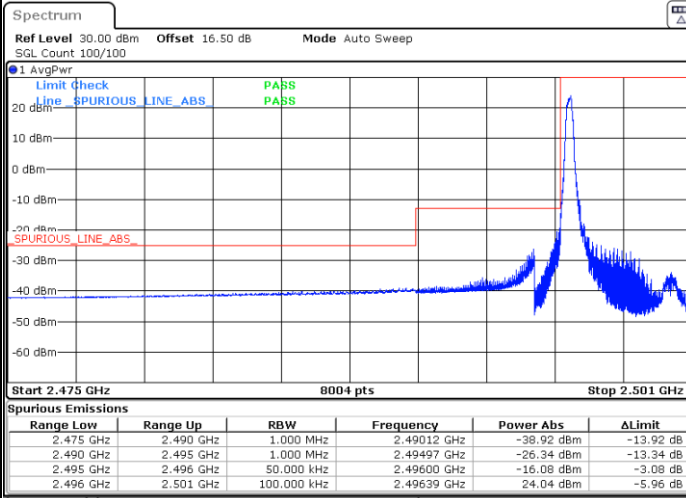
Date: 19_APR.2022 19:50:12



Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

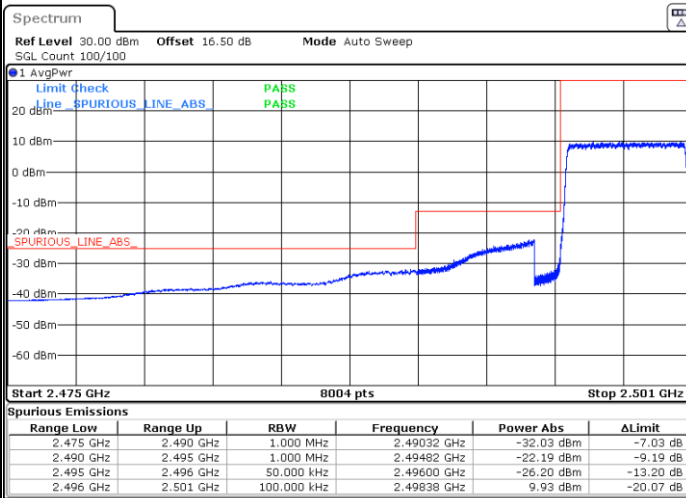
Lowest Band Edge / 1 RB



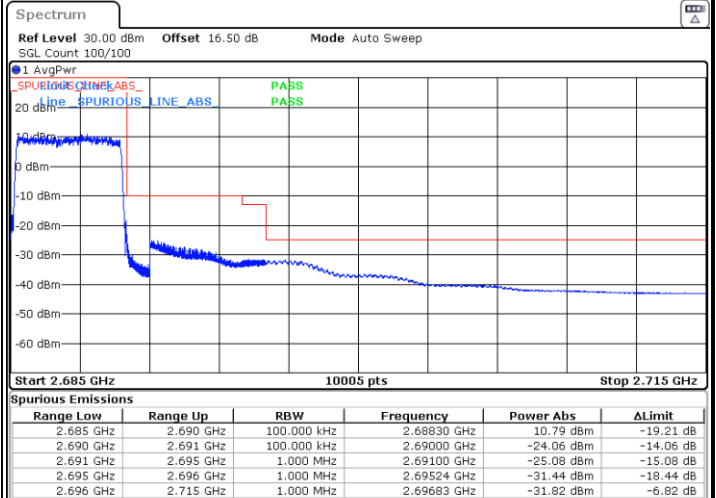
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



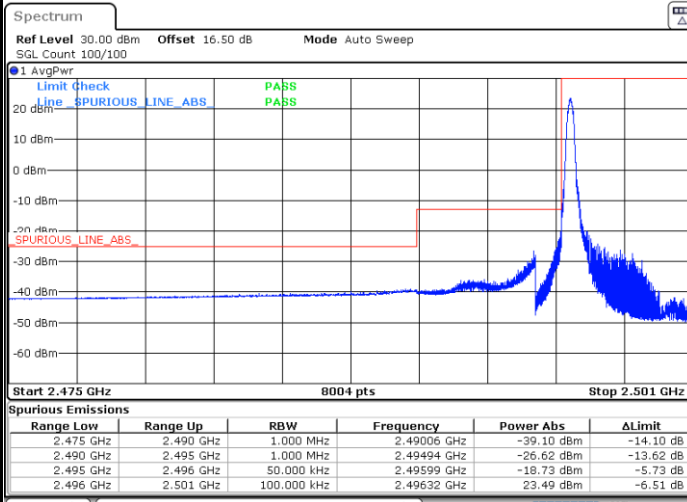
Highest Band Edge / Full RB





LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



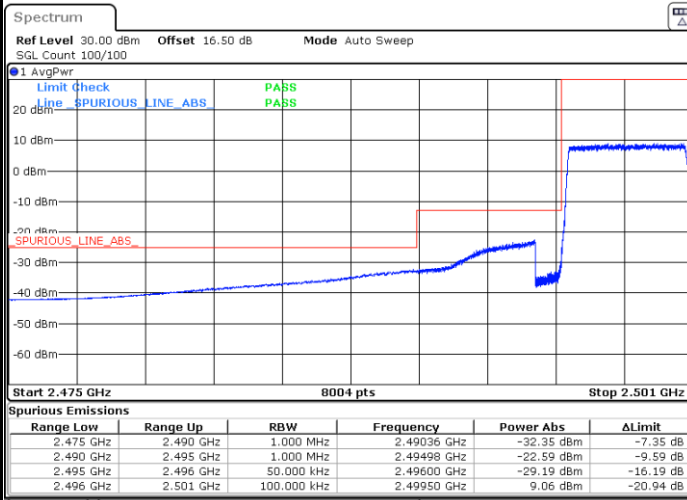
Date: 19.APR.2022 18:31:42

Highest Band Edge / 1 RB



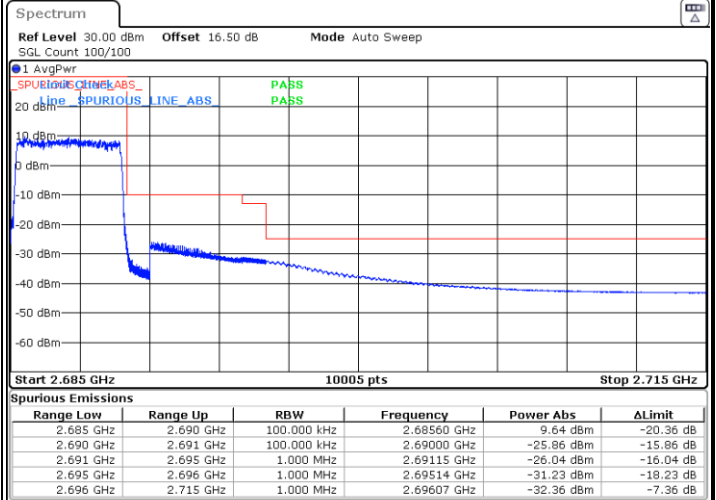
Date: 19.APR.2022 18:36:16

Lowest Band Edge / Full RB



Date: 19.APR.2022 18:34:00

Highest Band Edge / Full RB

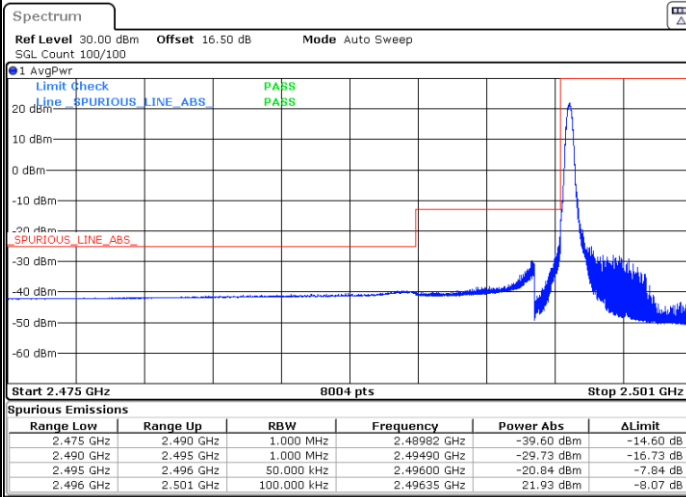


Date: 19.APR.2022 18:38:32



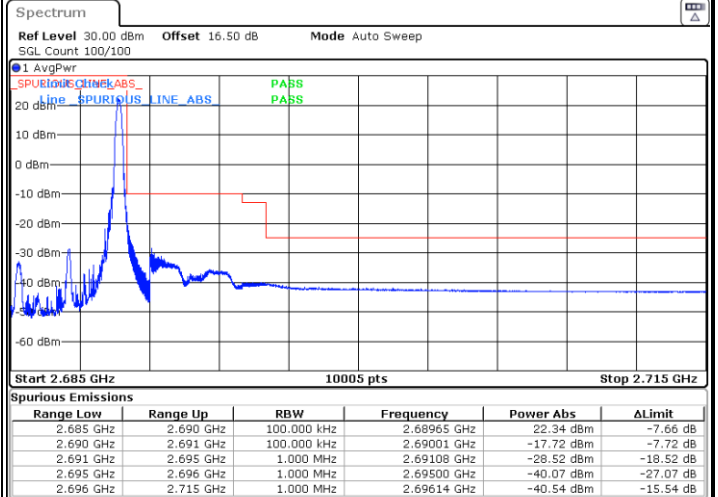
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



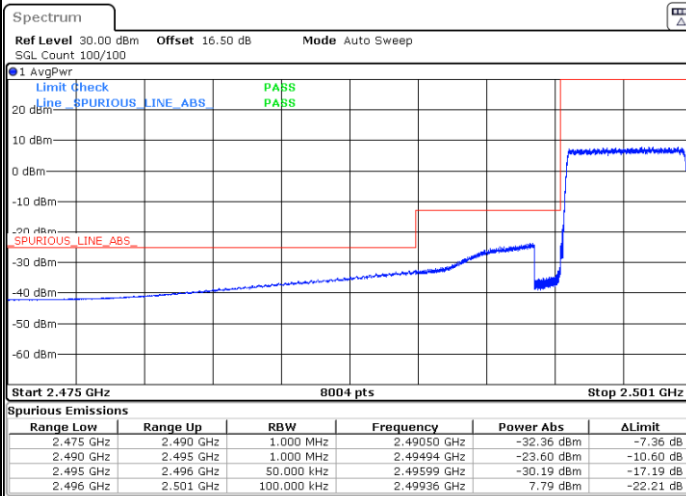
Date: 19.APR.2022 18:39:41

Highest Band Edge / 1 RB



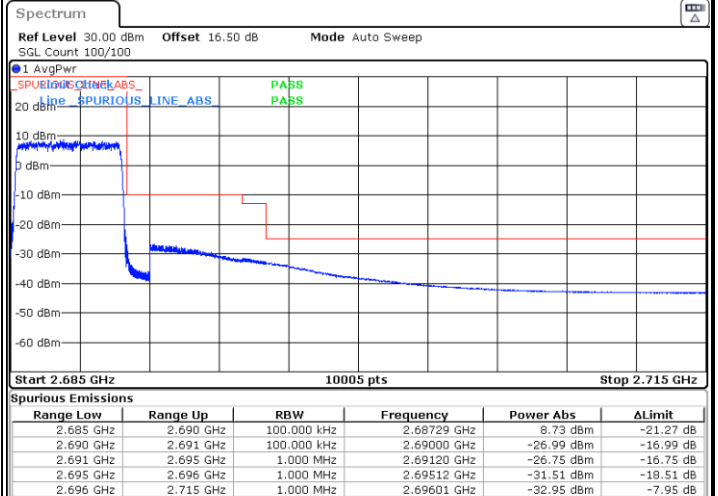
Date: 19.APR.2022 18:41:58

Lowest Band Edge / Full RB



Date: 19.APR.2022 18:40:50

Highest Band Edge / Full RB

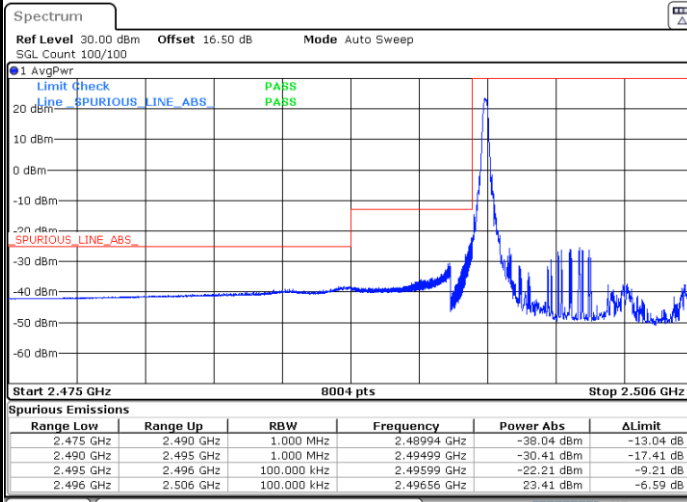


Date: 19.APR.2022 18:43:06



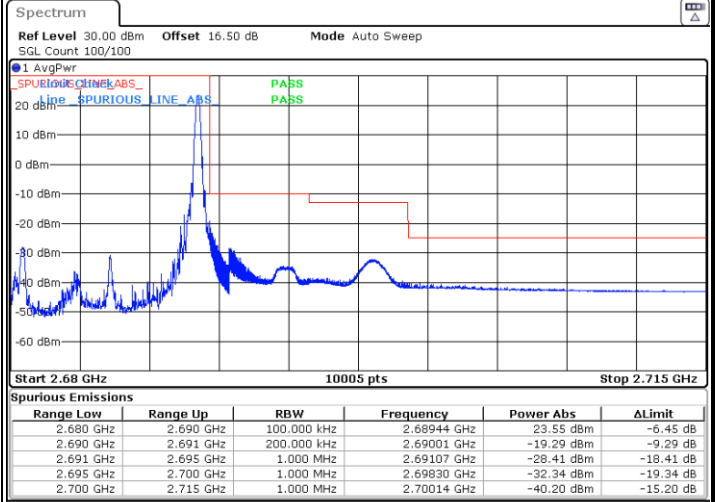
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



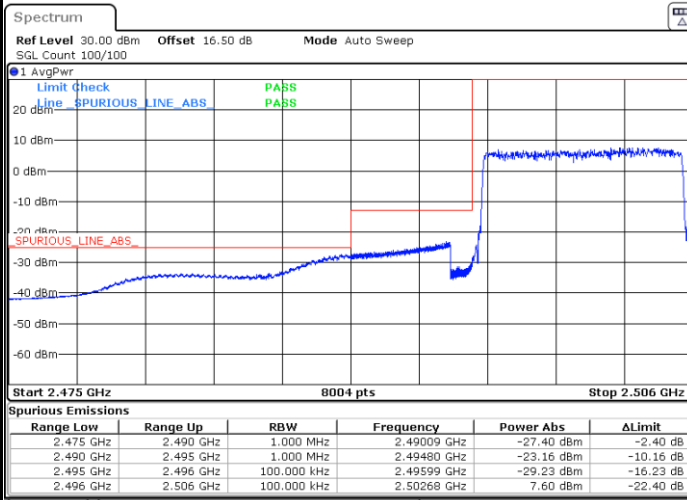
Date: 19.APR.2022 18:47:54

Highest Band Edge / 1 RB



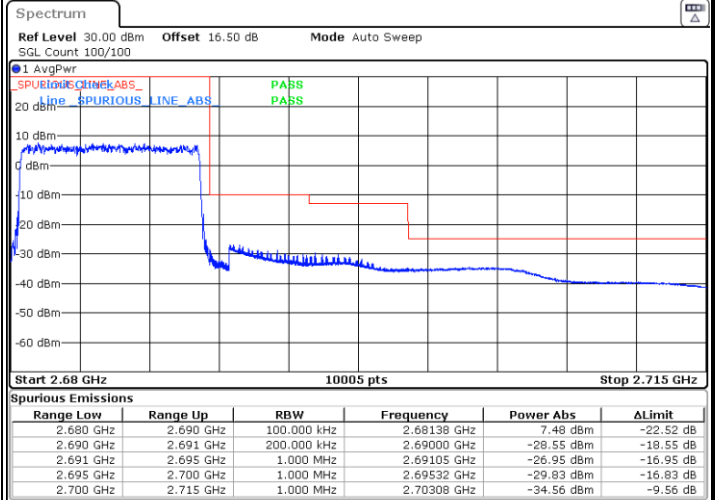
Date: 19.APR.2022 18:52:28

Lowest Band Edge / Full RB



Date: 19.APR.2022 18:50:11

Highest Band Edge / Full RB

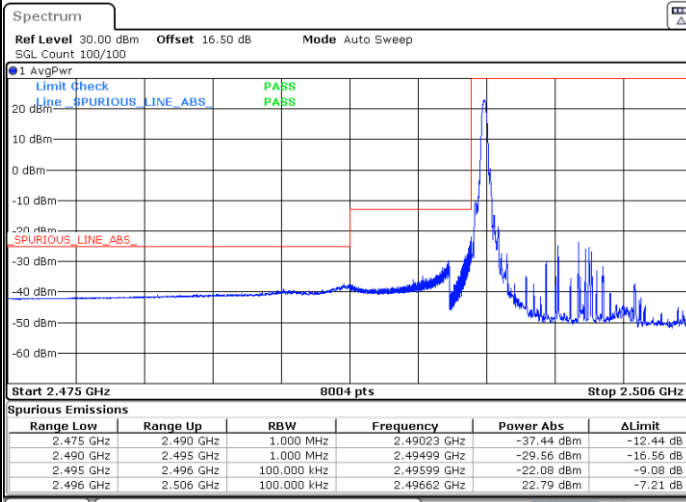


Date: 19.APR.2022 18:54:45



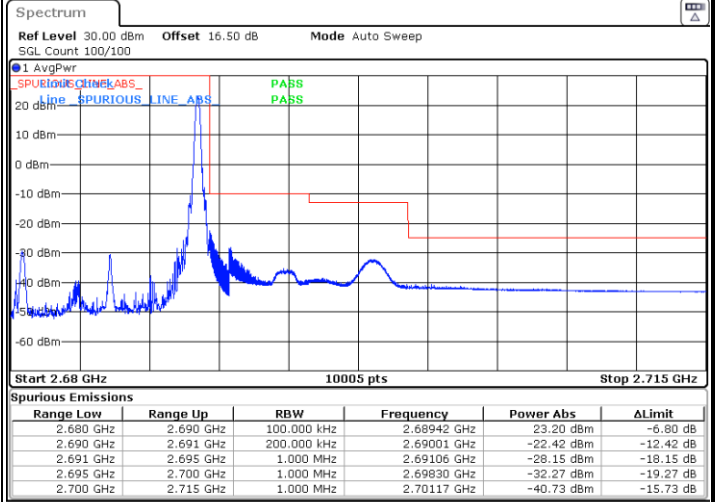
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



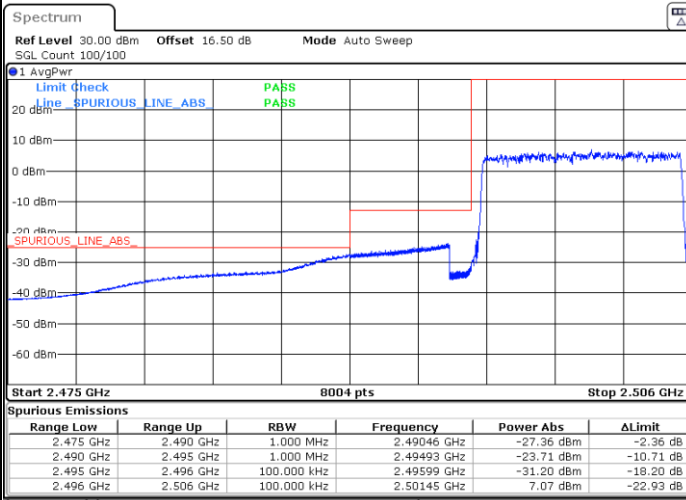
Date: 19.APR.2022 18:49:03

Highest Band Edge / 1 RB



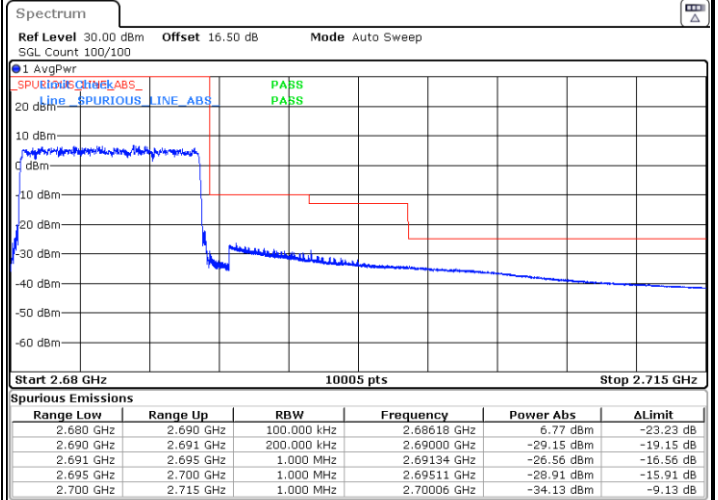
Date: 19.APR.2022 18:53:36

Lowest Band Edge / Full RB



Date: 19.APR.2022 18:51:20

Highest Band Edge / Full RB

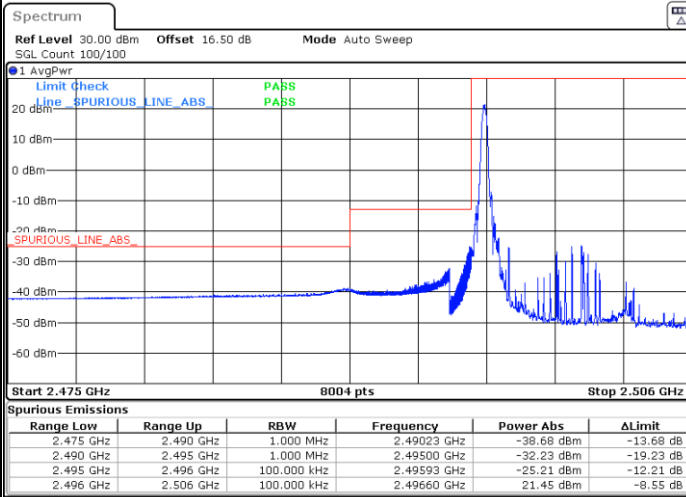


Date: 19.APR.2022 18:55:53



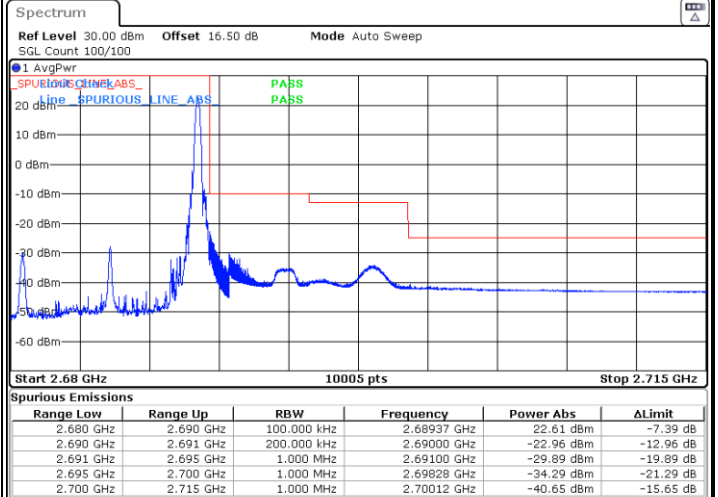
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



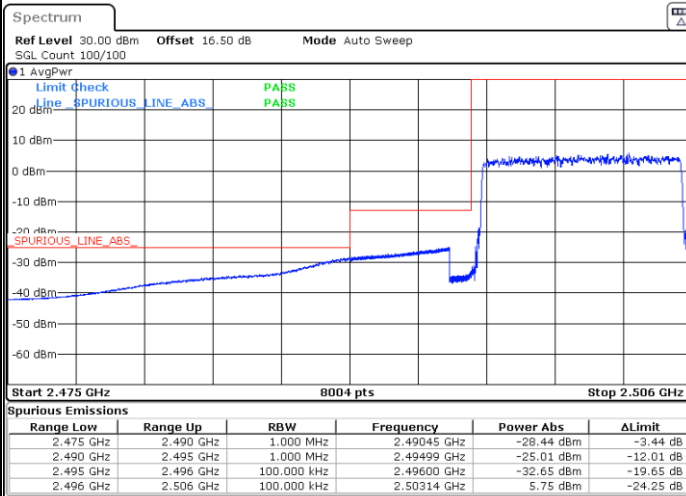
Date: 19.APR.2022 18:57:01

Highest Band Edge / 1 RB



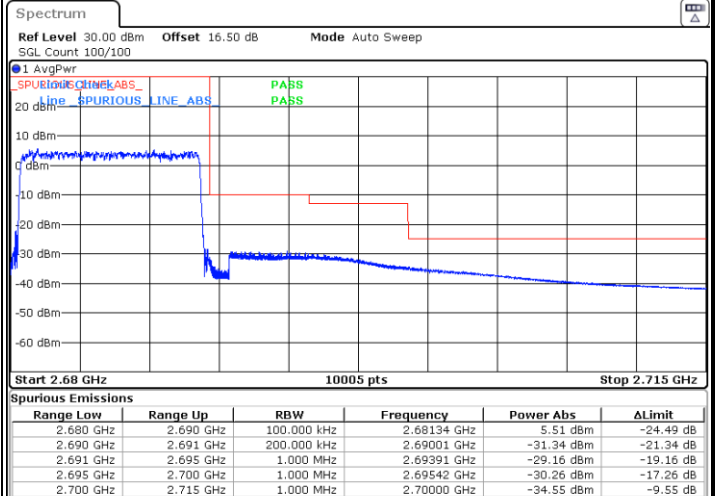
Date: 19.APR.2022 18:59:18

Lowest Band Edge / Full RB



Date: 19.APR.2022 18:58:10

Highest Band Edge / Full RB

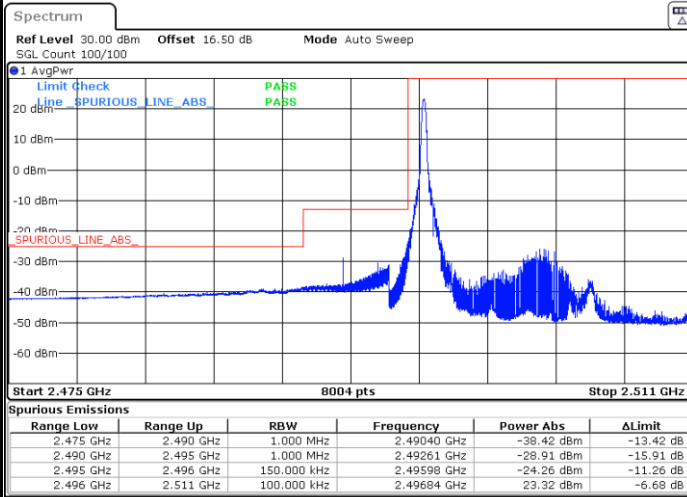


Date: 19.APR.2022 19:00:26



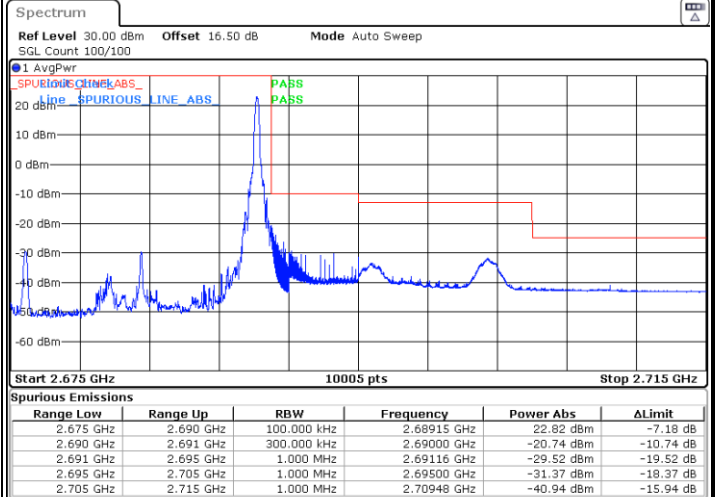
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



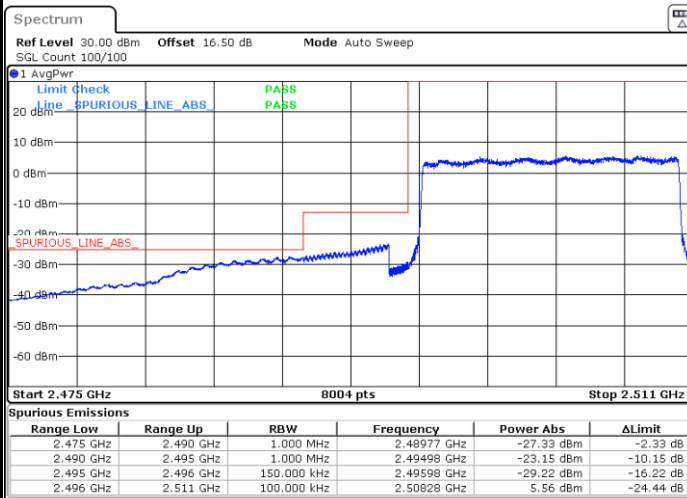
Date: 19.APR.2022 19:09:49

Highest Band Edge / 1 RB



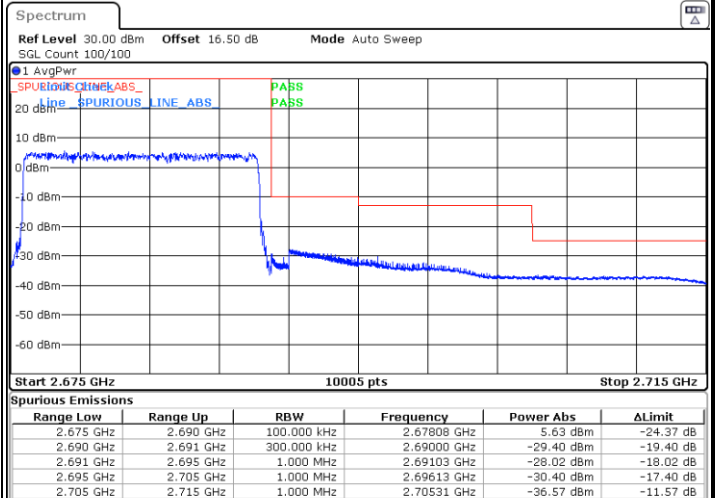
Date: 19.APR.2022 19:14:23

Lowest Band Edge / Full RB



Date: 19.APR.2022 19:12:07

Highest Band Edge / Full RB

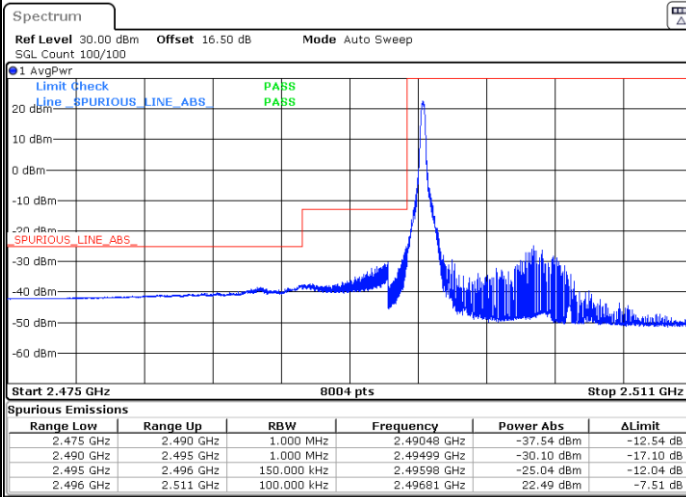


Date: 19.APR.2022 19:16:39



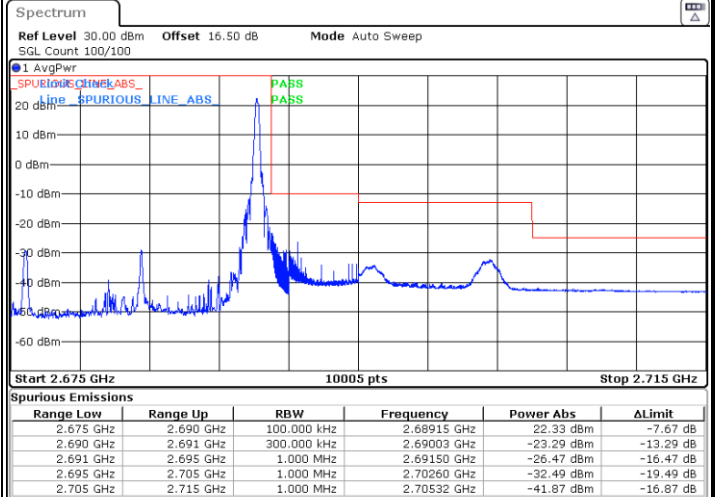
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



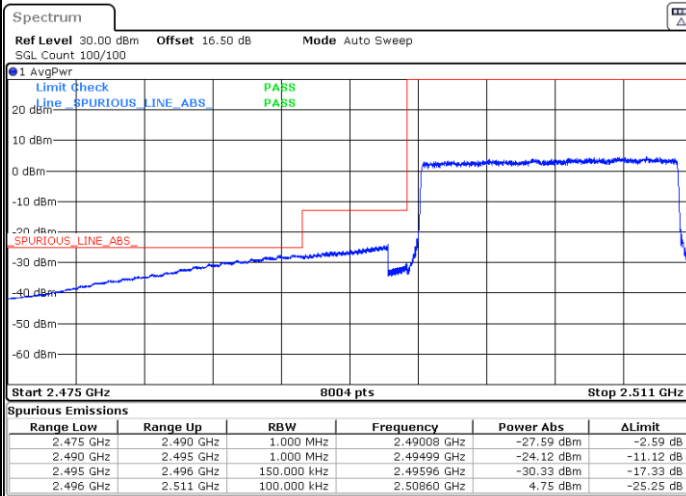
Date: 19.APR.2022 19:10:58

Highest Band Edge / 1 RB



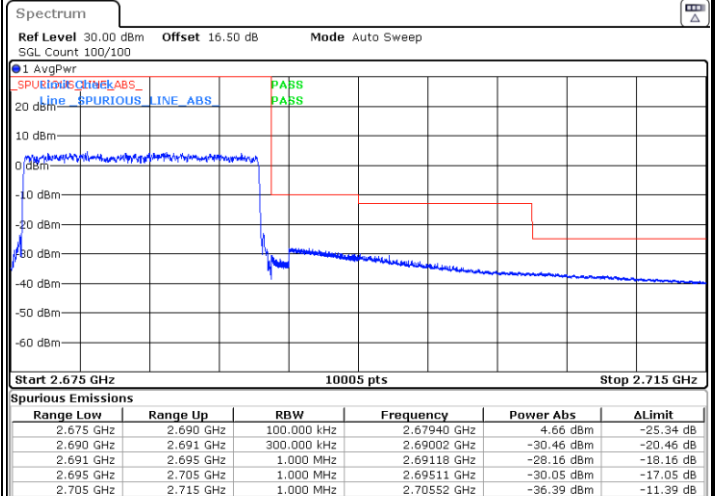
Date: 19.APR.2022 19:15:31

Lowest Band Edge / Full RB



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

Highest Band Edge / Full RB

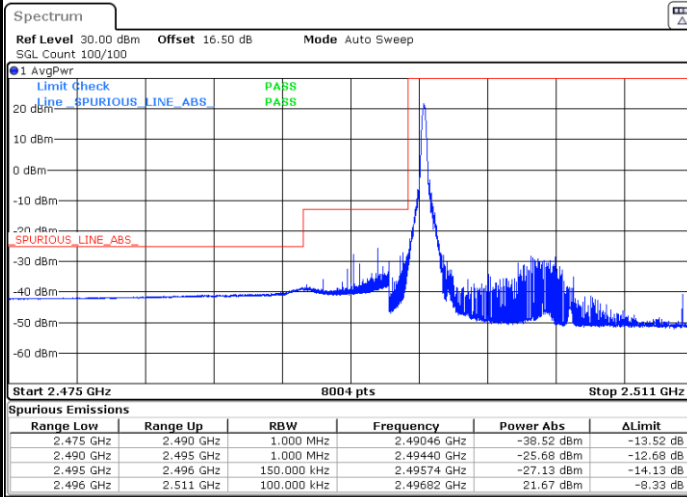


Date: 19.APR.2022 19:17:47



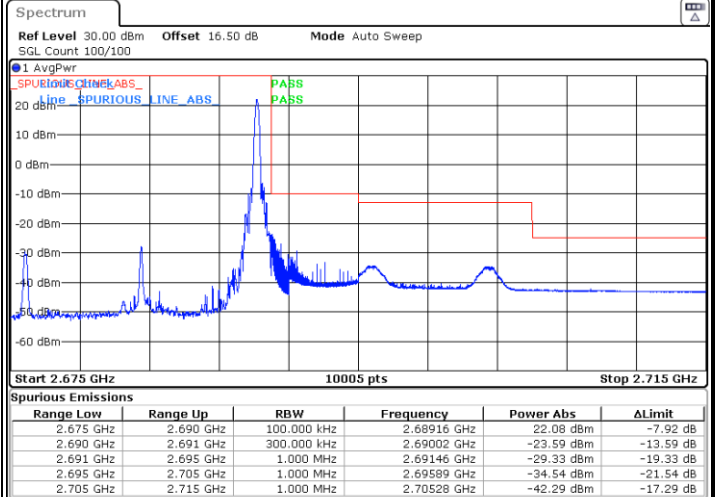
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



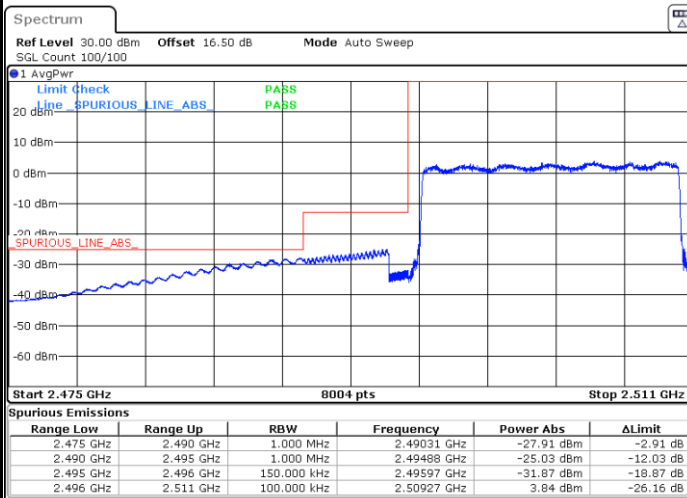
Date: 19.APR.2022 19:05:15

Highest Band Edge / 1 RB



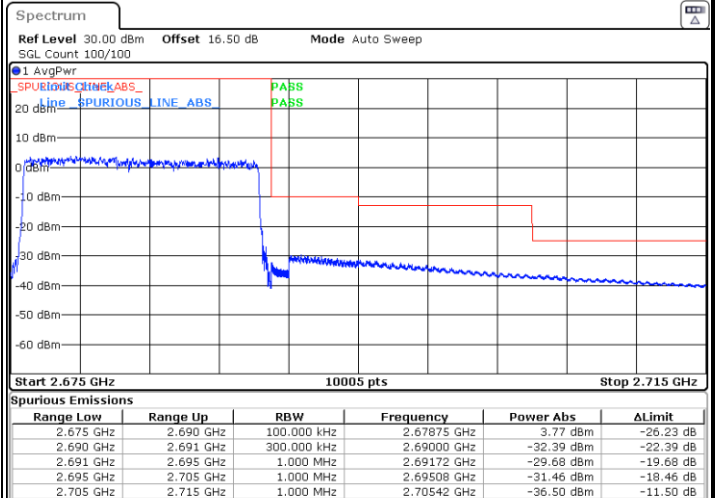
Date: 19.APR.2022 19:07:33

Lowest Band Edge / Full RB



Date: 19.APR.2022 19:06:24

Highest Band Edge / Full RB

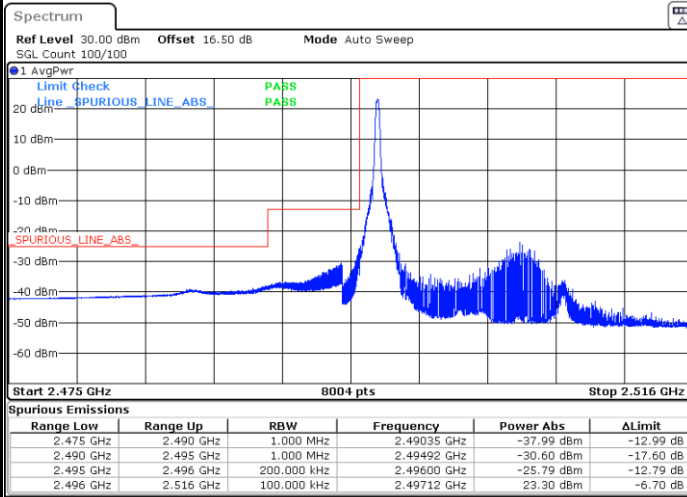


Date: 19.APR.2022 19:08:41



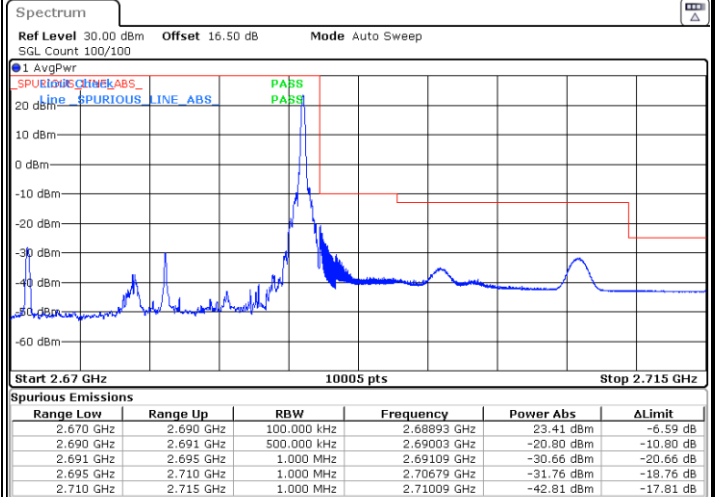
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



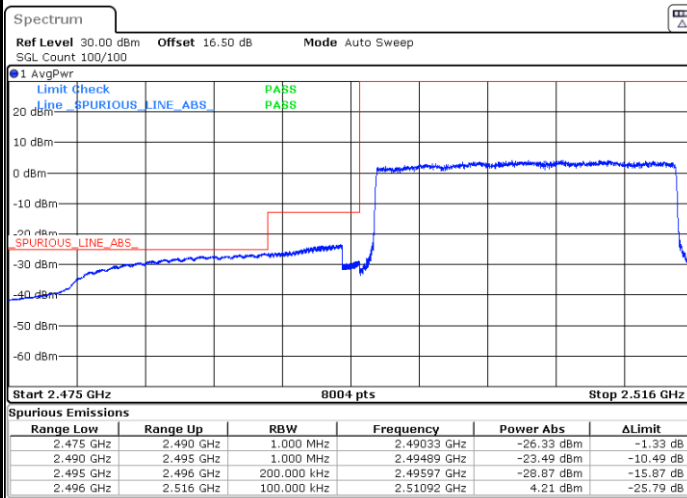
Date: 19.APR.2022 19:22:34

Highest Band Edge / 1 RB



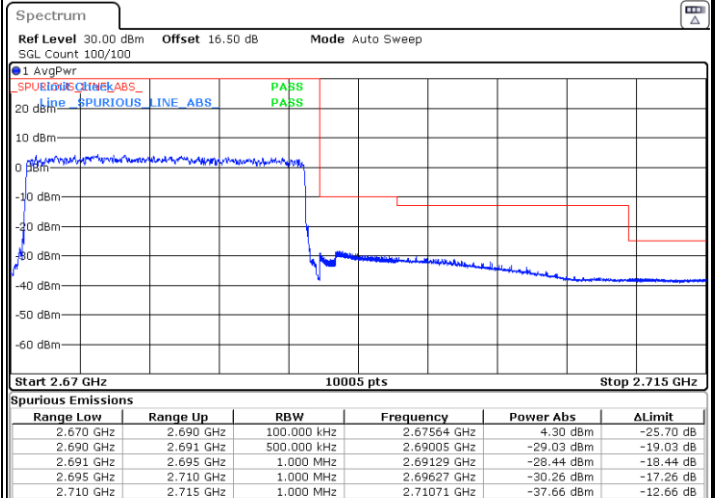
Date: 19.APR.2022 19:27:08

Lowest Band Edge / Full RB



Date: 19.APR.2022 19:24:51

Highest Band Edge / Full RB

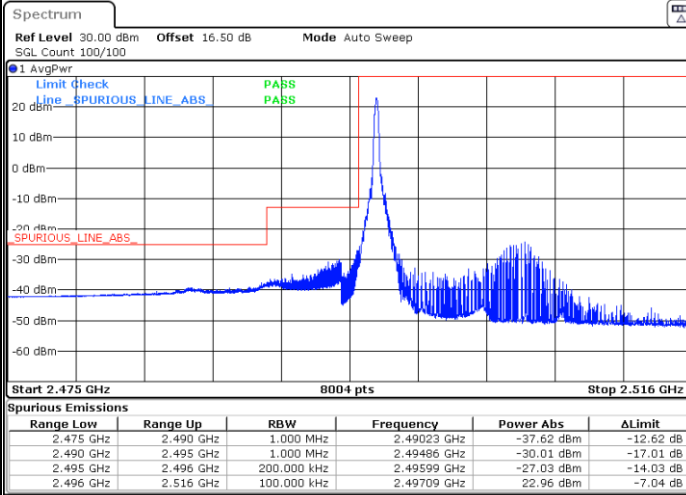


Date: 19.APR.2022 19:30:32



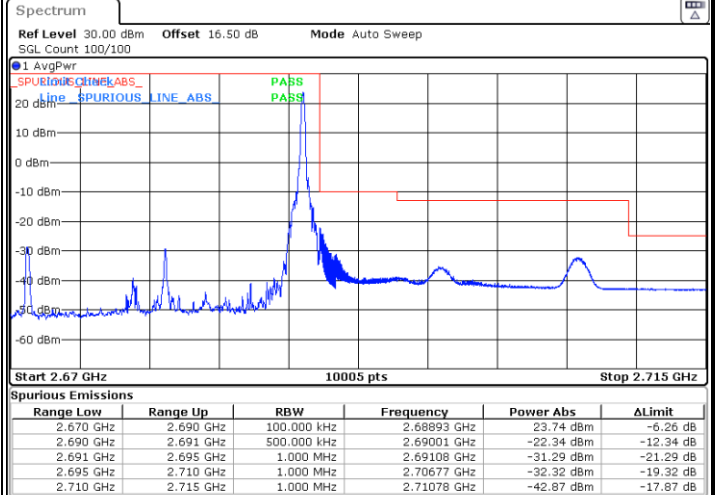
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



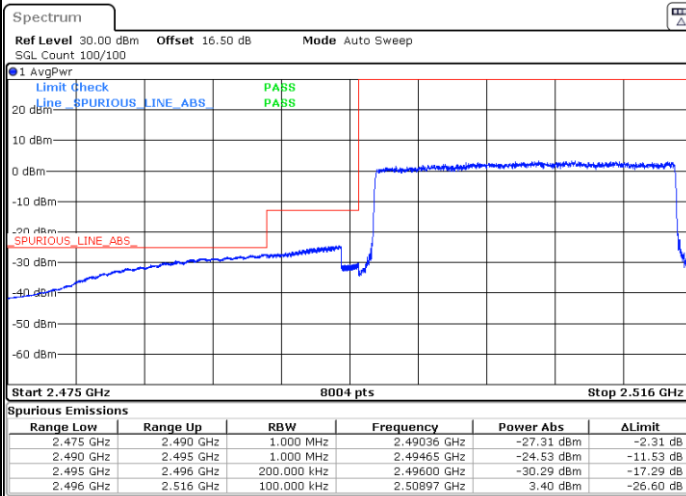
Date: 19.APR.2022 19:23:42

Highest Band Edge / 1 RB



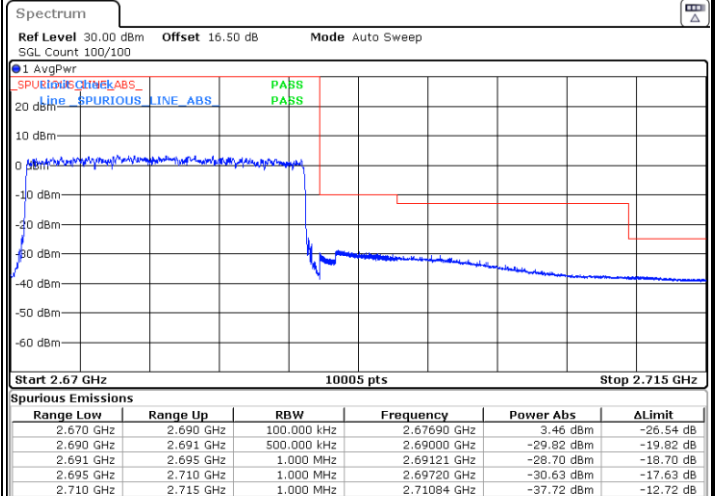
Date: 19.APR.2022 19:28:16

Lowest Band Edge / Full RB



Date: 19.APR.2022 19:25:59

Highest Band Edge / Full RB

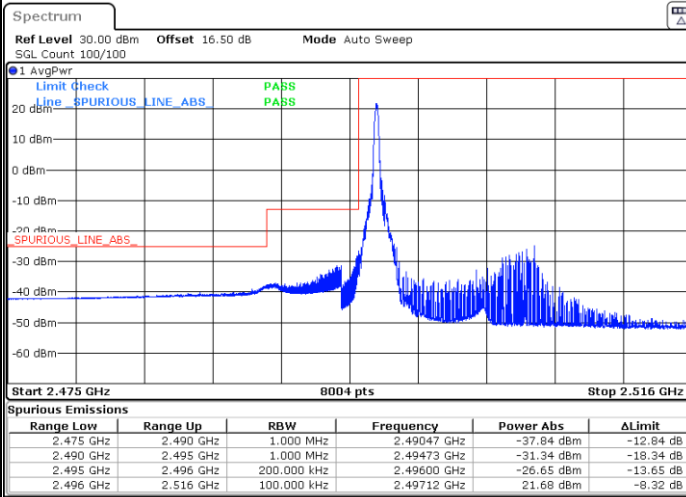


Date: 19.APR.2022 19:29:24



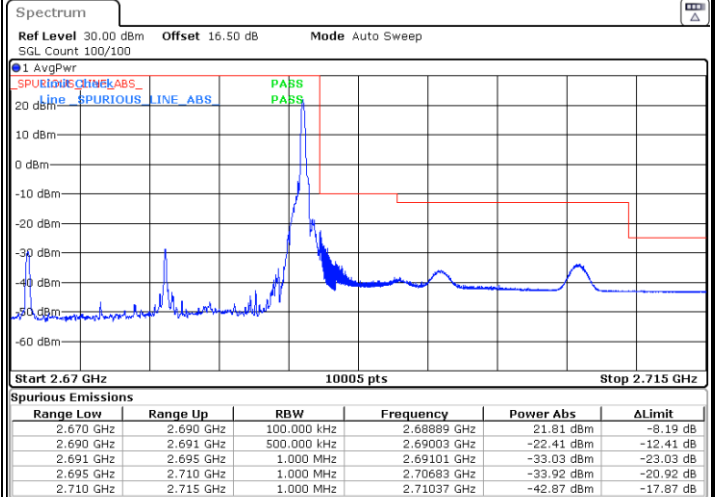
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



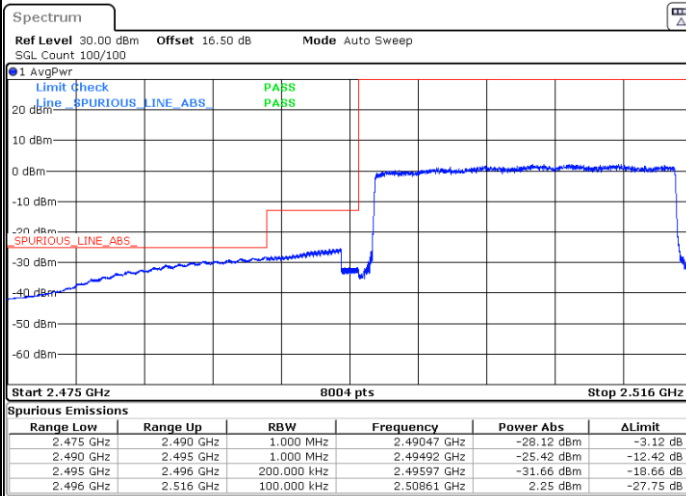
Date: 19.APR.2022 19:31:40

Highest Band Edge / 1 RB



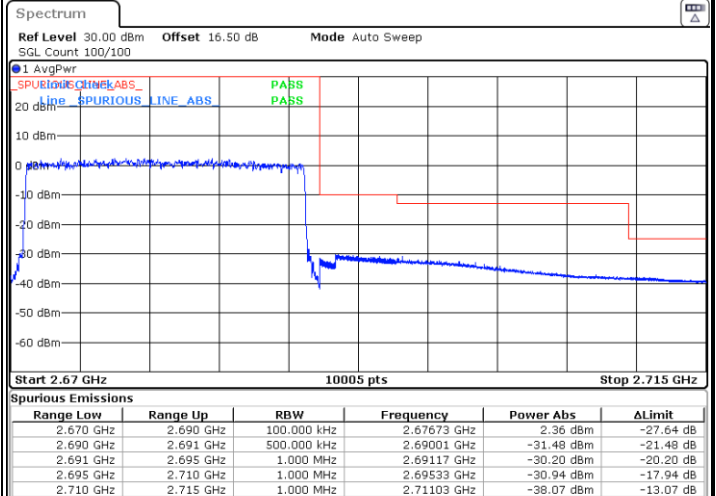
Date: 19.APR.2022 19:33:56

Lowest Band Edge / Full RB



Date: 19.APR.2022 19:32:48

Highest Band Edge / Full RB



Date: 19.APR.2022 19:35:05

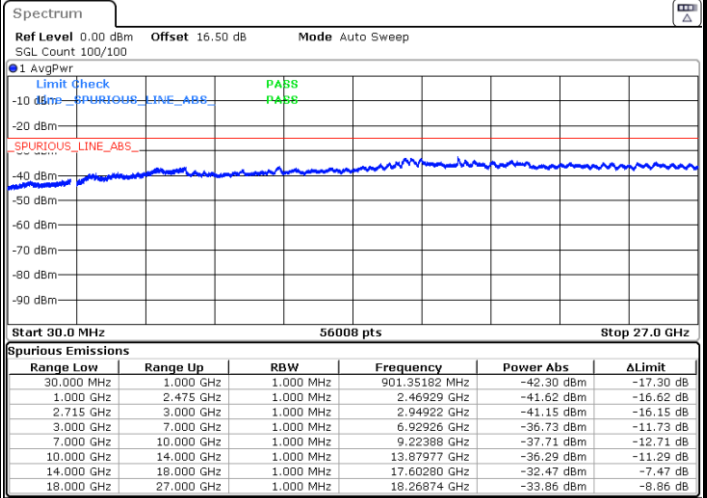
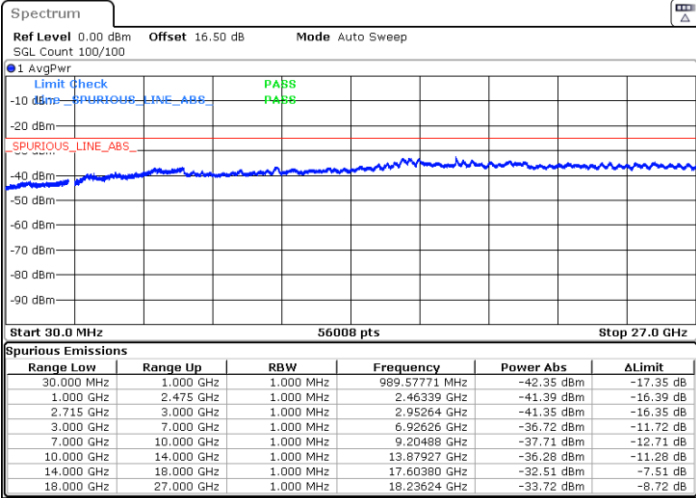


Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

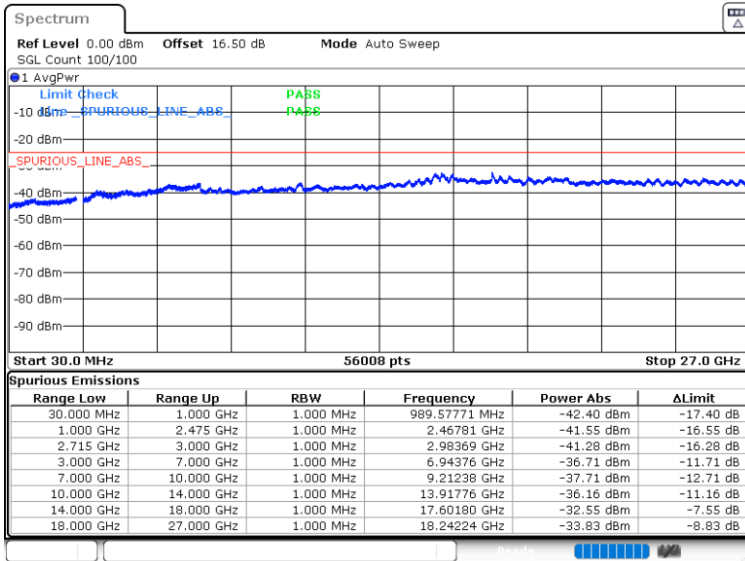
Middle Channel / QPSK



Date: 19.APR.2022 18:44:19

Date: 19.APR.2022 18:45:32

Highest Channel / QPSK



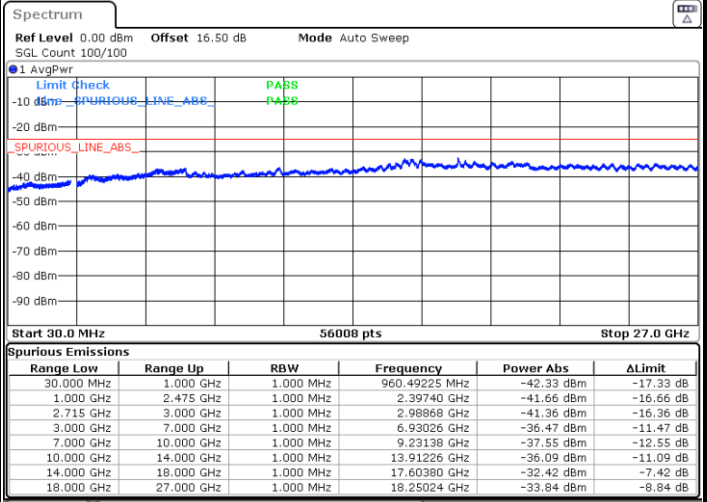
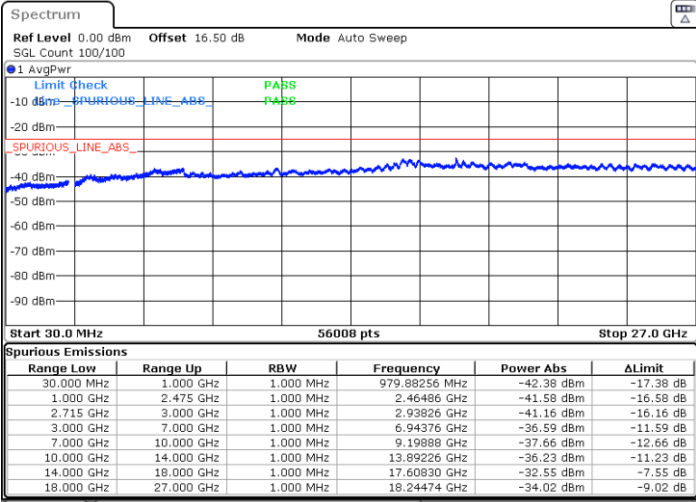
Date: 19.APR.2022 18:46:44



LTE Band 41 / 10MHz

Lowest Channel / QPSK

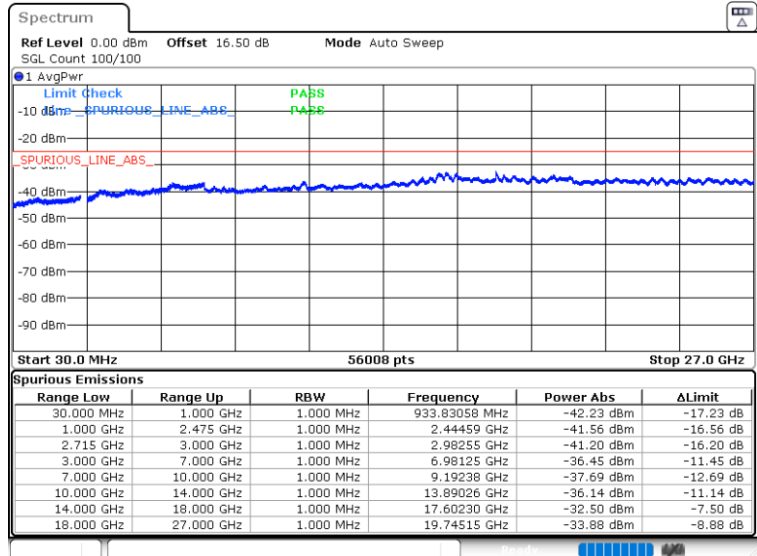
Middle Channel / QPSK



Date: 19.APR.2022 19:01:39

Date: 19.APR.2022 19:02:53

Highest Channel / QPSK



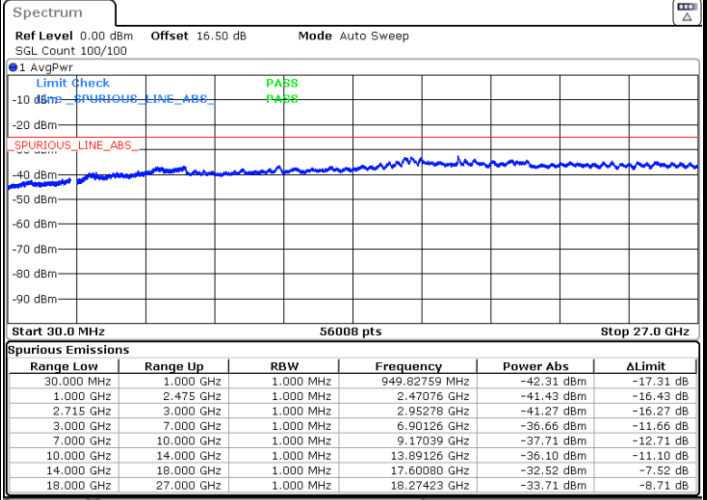
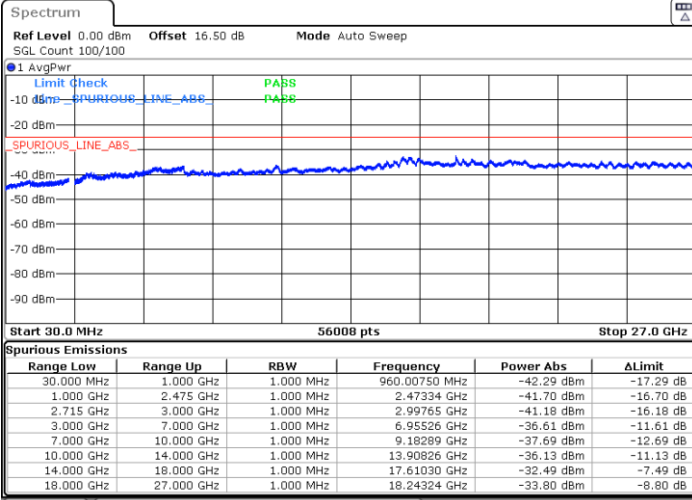
Date: 19.APR.2022 19:04:05



LTE Band 41 / 15MHz

Lowest Channel / QPSK

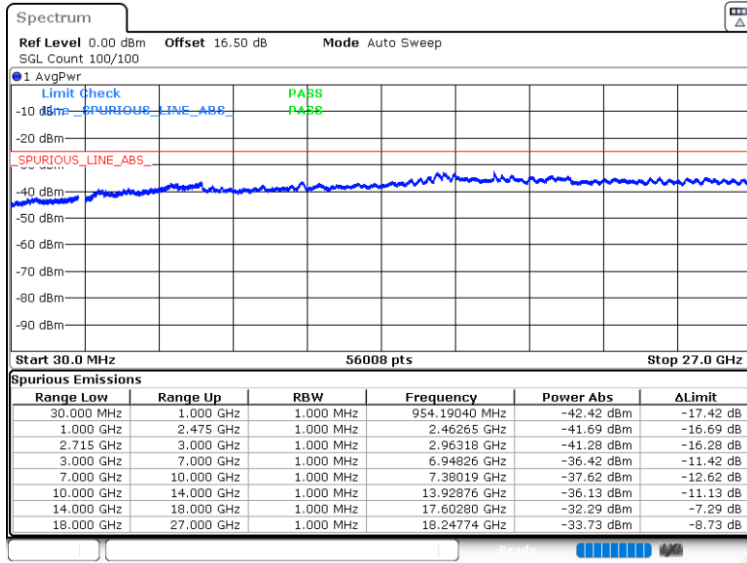
Middle Channel / QPSK



Date: 19.APR.2022 19:19:00

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

Highest Channel / QPSK



Date: 19.APR.2022 19:21:25