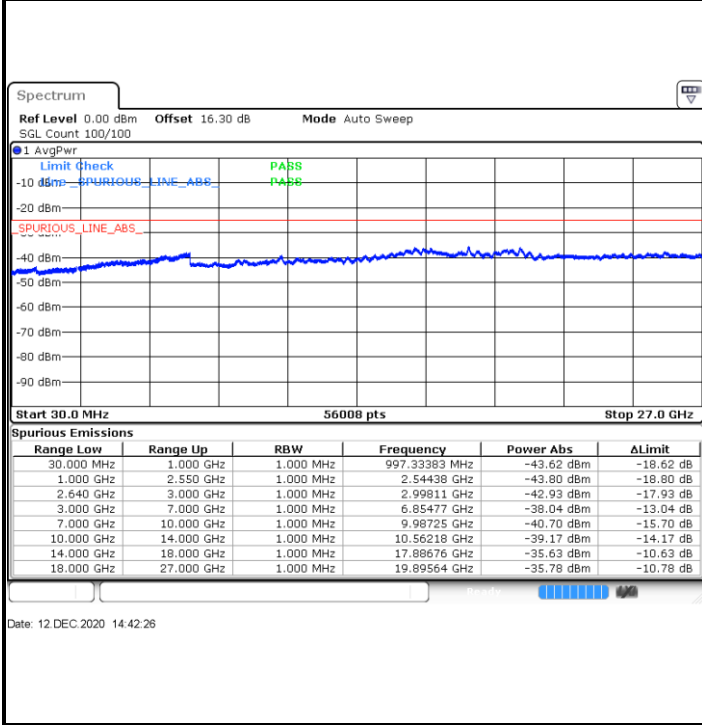


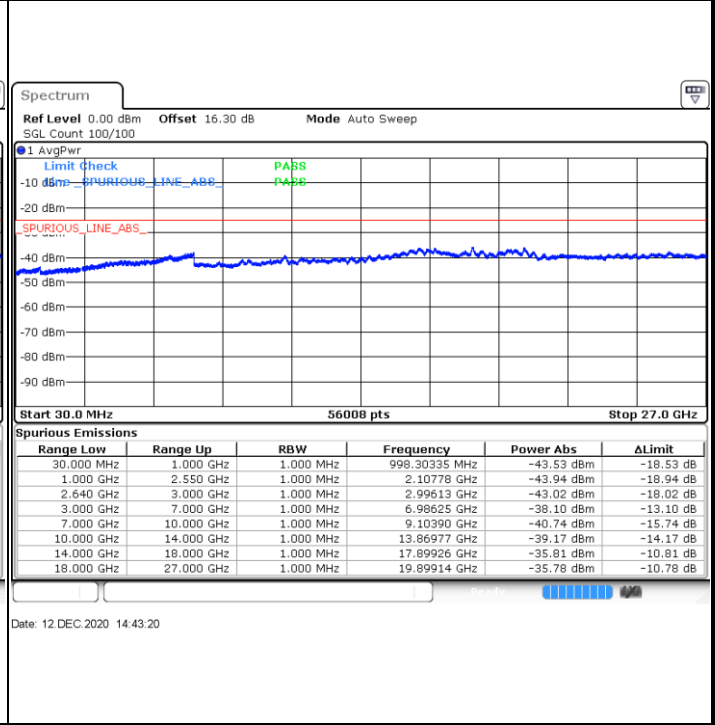


LTE Band 38 / 10MHz

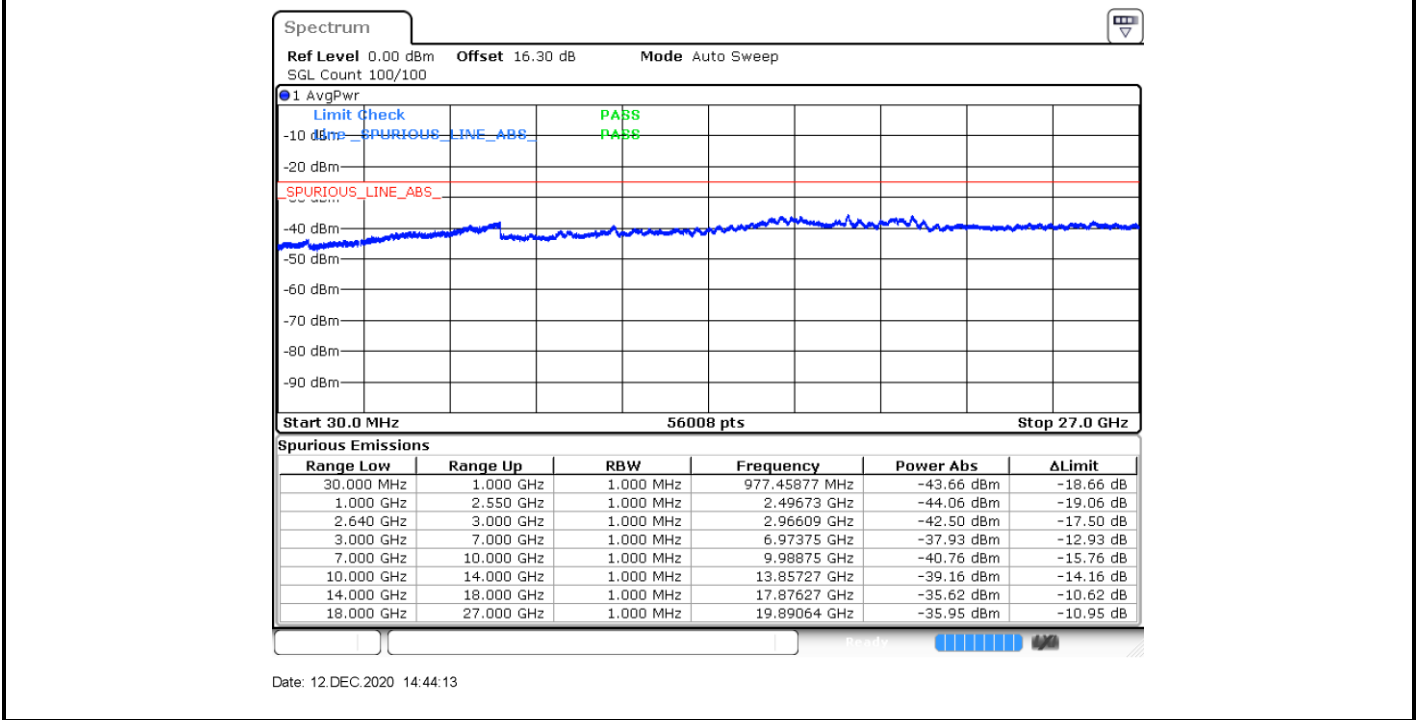
Lowest Channel / QPSK



Middle Channel / QPSK



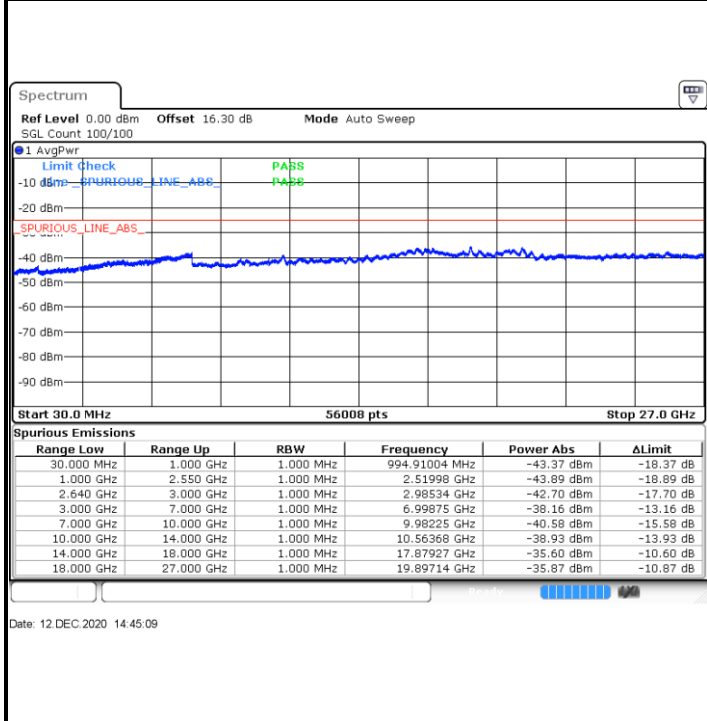
Highest Channel / QPSK



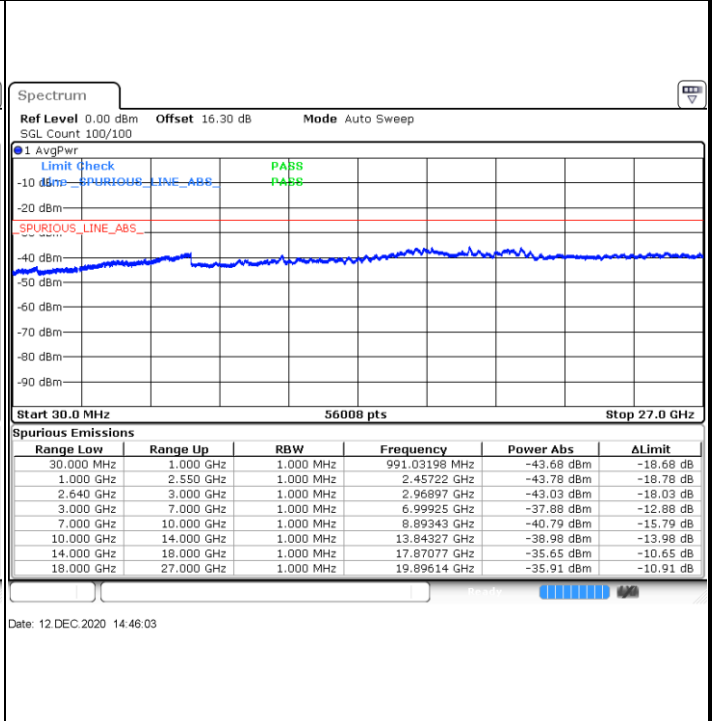


LTE Band 38 / 15MHz

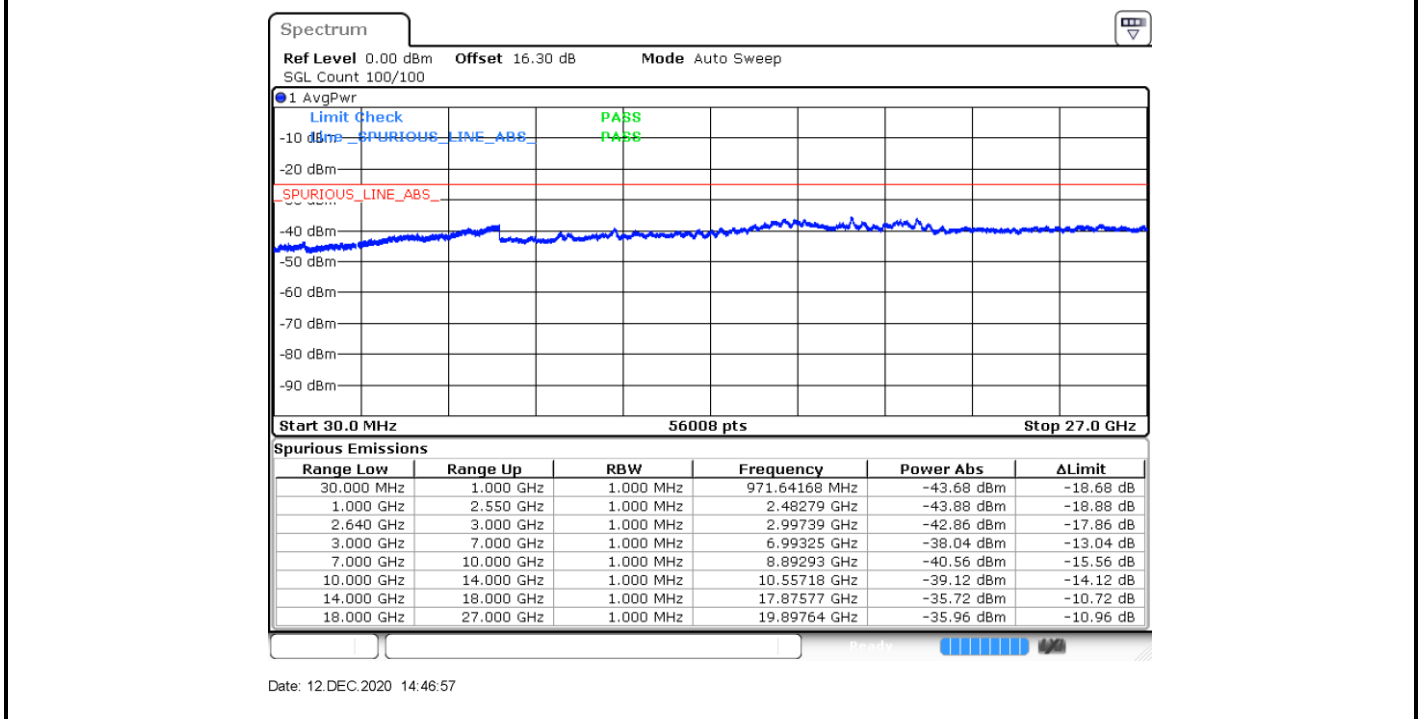
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

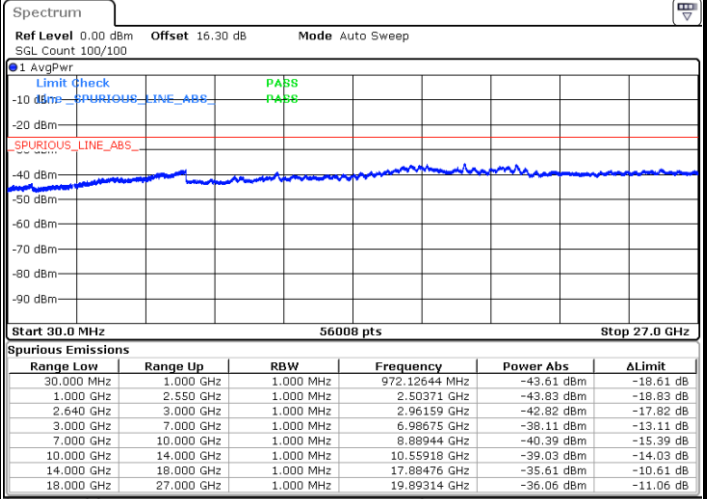
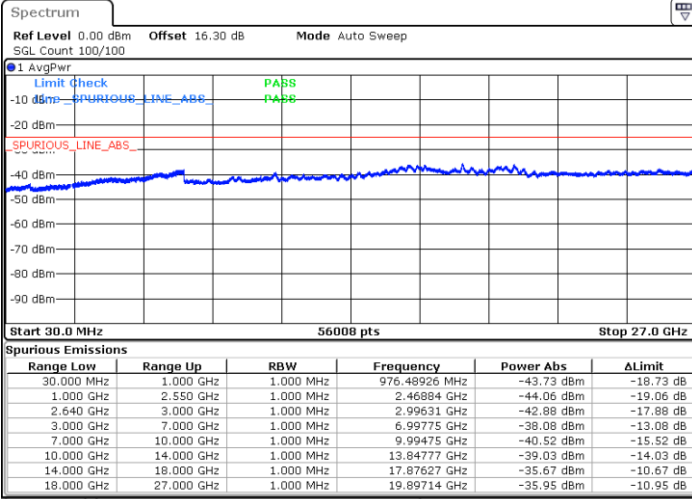




LTE Band 38 / 20MHz

Lowest Channel / QPSK

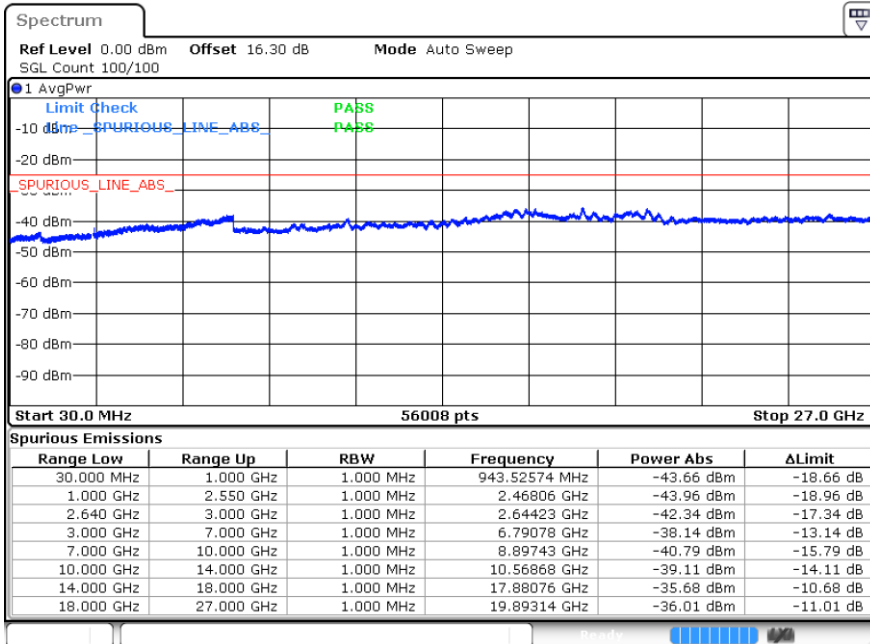
Middle Channel / QPSK



Date: 12.DEC.2020 14:47:52

Date: 12.DEC.2020 14:48:46

Highest Channel / QPSK



Date: 12.DEC.2020 14:49:40



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	0.0031	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0059	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0061	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0027	

Note:

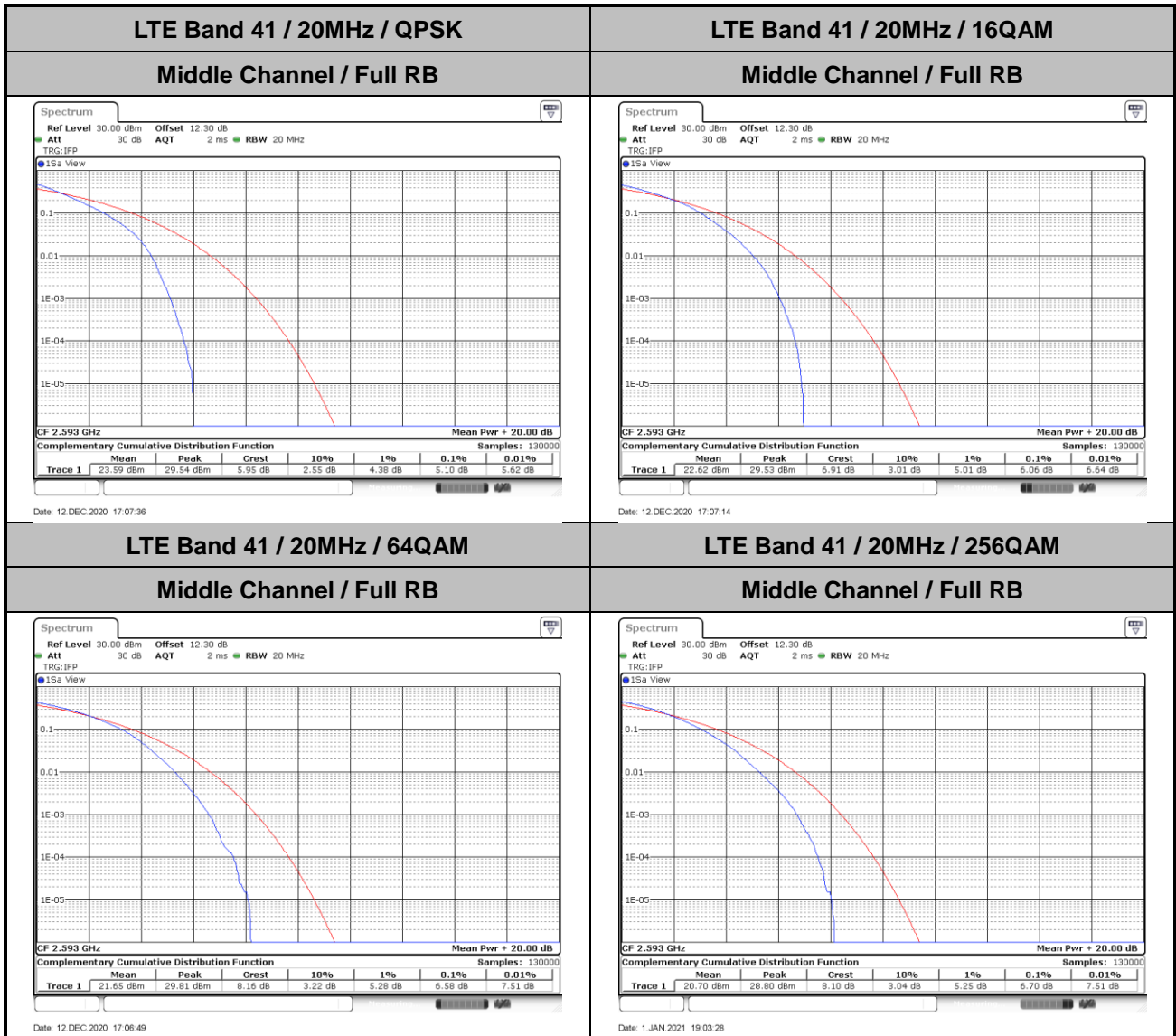
- 1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.10	6.06	6.58	6.70	PASS





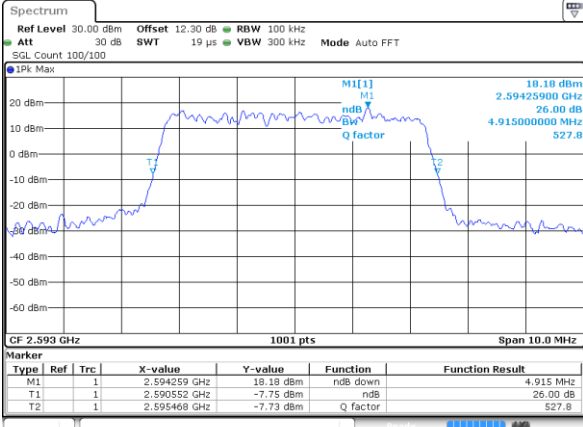
26dB Bandwidth

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	-	-	-	-	4.92	4.82	9.69	9.75	14.30	14.15	18.98	18.66
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	-	-	-	-	4.89	4.80	9.89	9.65	14.39	14.21	18.66	18.66



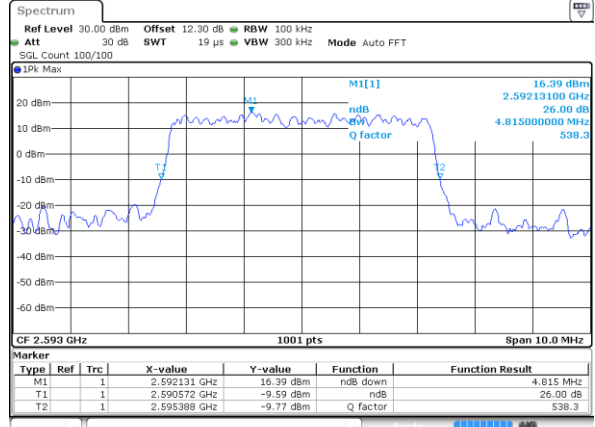
LTE Band 41

Middle Channel / 5MHz / QPSK



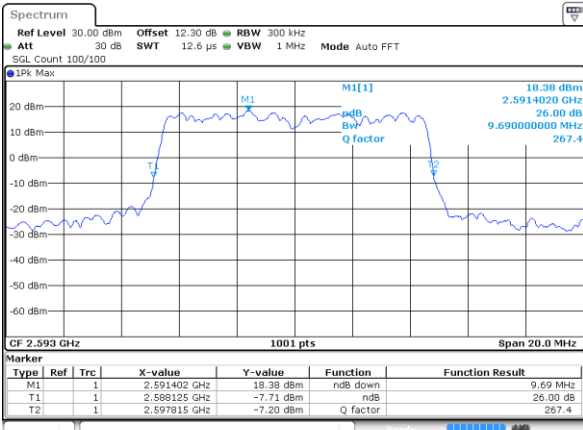
Date: 12 DEC 2020 16:28:57

Middle Channel / 5MHz / 16QAM



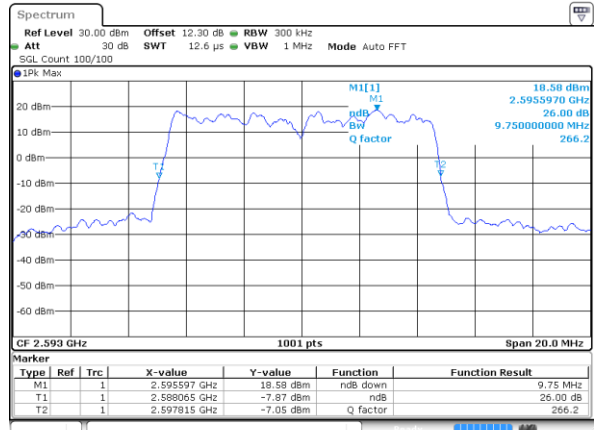
Date: 12 DEC 2020 16:36:17

Middle Channel / 10MHz / QPSK



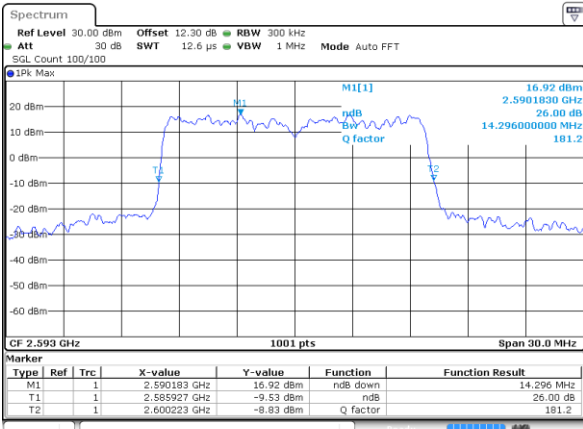
Date: 12 DEC 2020 16:58:14

Middle Channel / 10MHz / 16QAM



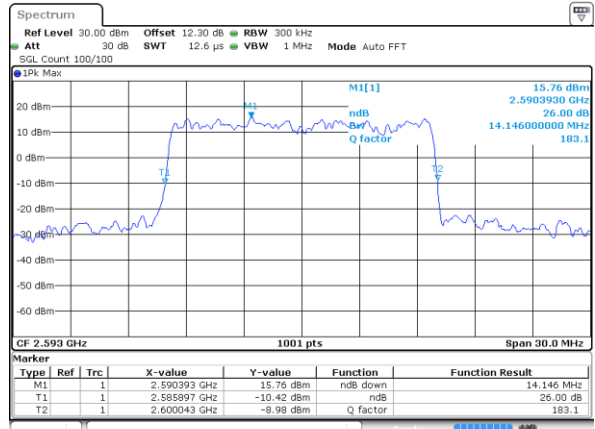
Date: 12 DEC 2020 16:58:47

Middle Channel / 15MHz / QPSK



Date: 12 DEC 2020 16:55:49

Middle Channel / 15MHz / 16QAM

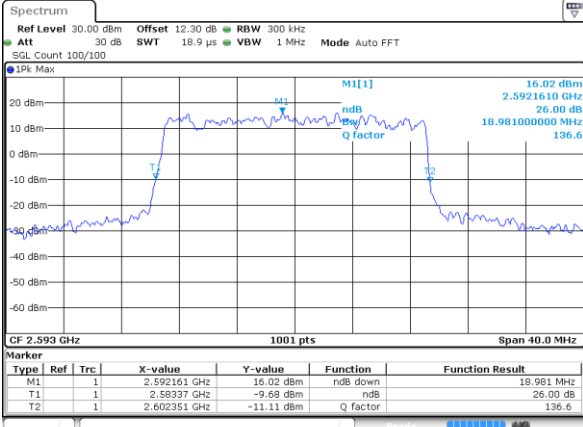


Date: 12 DEC 2020 16:56:28



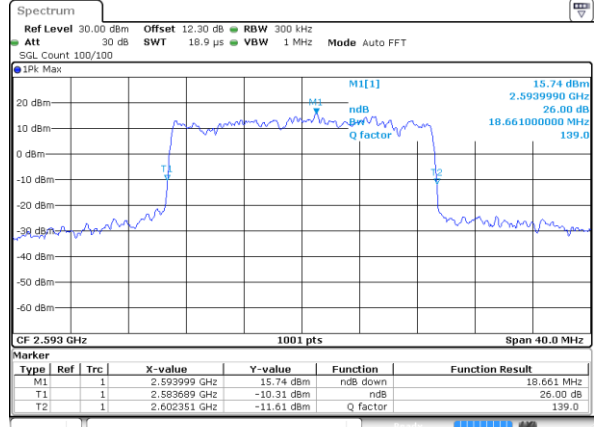
LTE Band 41

Middle Channel / 20MHz / QPSK



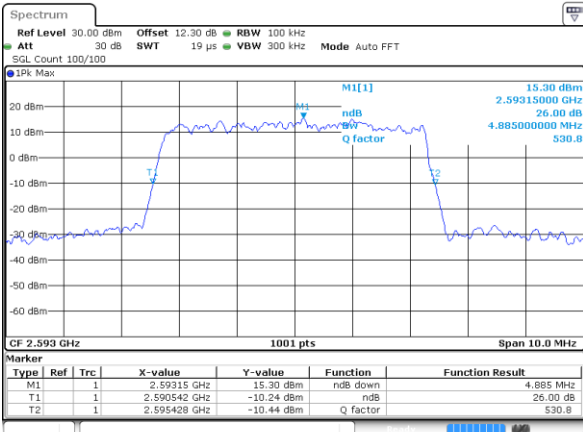
Date: 12 DEC 2020 16:52:14

Middle Channel / 20MHz / 16QAM



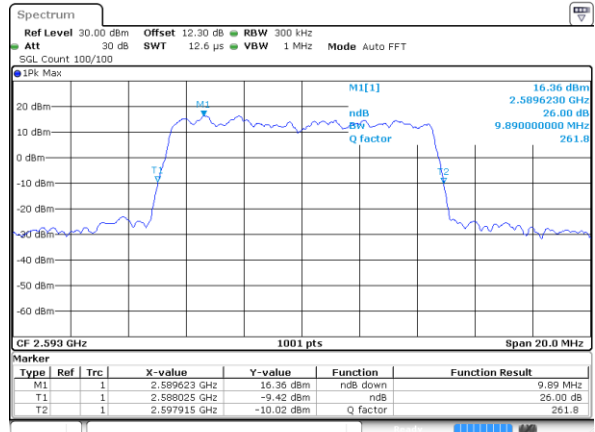
Date: 12 DEC 2020 16:52:41

Middle Channel / 5MHz / 64QAM



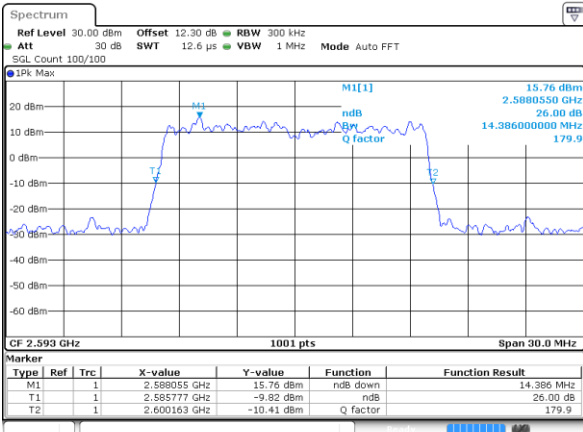
Date: 12 DEC 2020 16:38:35

Middle Channel / 10MHz / 64QAM



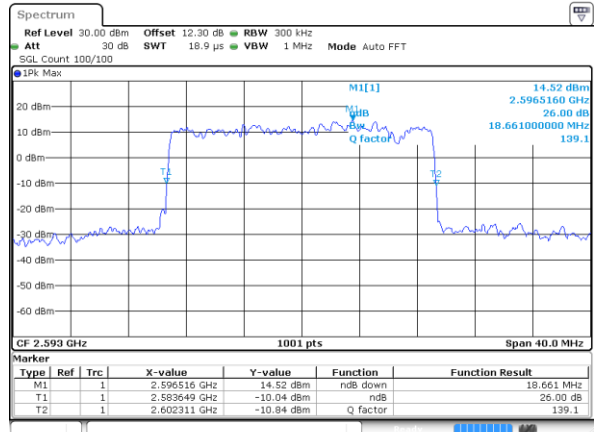
Date: 12 DEC 2020 16:59:50

Middle Channel / 15MHz / 64QAM



Date: 12 DEC 2020 16:57:00

Middle Channel / 20MHz / 64QAM

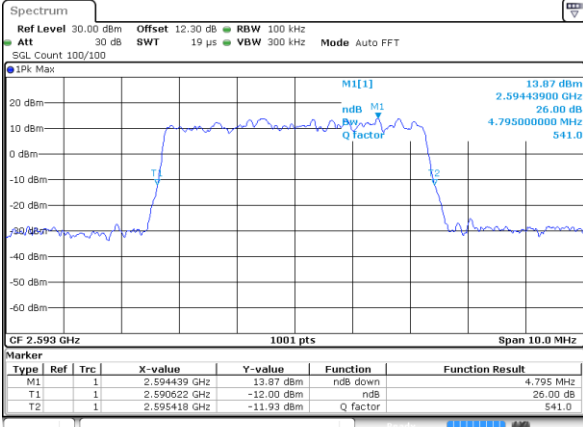


Date: 12 DEC 2020 16:54:22



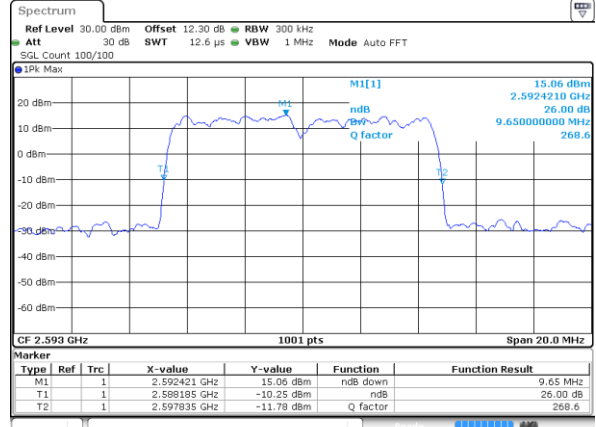
LTE Band 41

Middle Channel / 5MHz / 256QAM



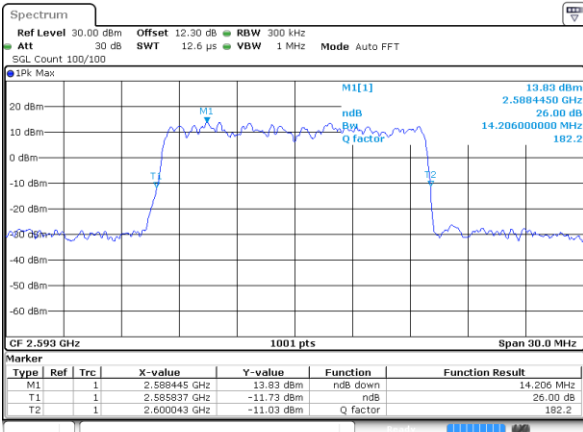
Date: 1 JAN 2021 17:50:18

Middle Channel / 10MHz / 256QAM



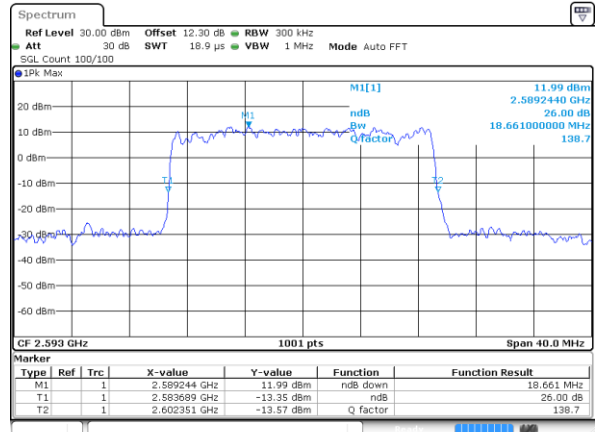
Date: 1 JAN 2021 18:05:59

Middle Channel / 15MHz / 256QAM



Date: 1 JAN 2021 18:45:17

Middle Channel / 20MHz / 256QAM



Date: 1 JAN 2021 18:53:59



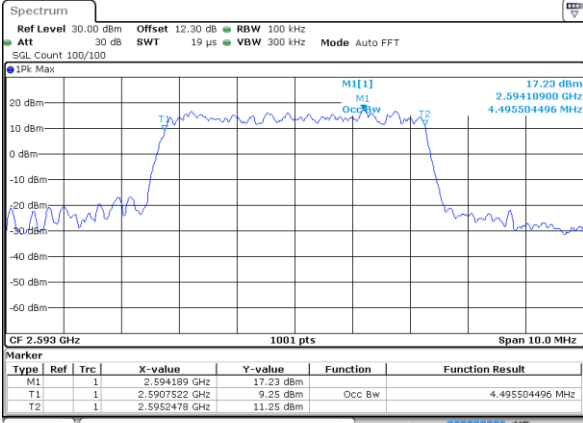
Occupied Bandwidth

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	4.49	9.03	8.99	13.40	13.43	17.82	17.82
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	-	-	-	-	4.50	4.49	8.99	8.99	13.34	13.34	17.90	17.90



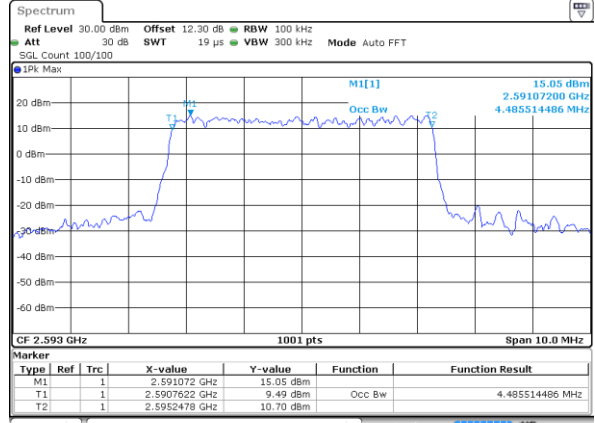
LTE Band 41

Middle Channel / 5MHz / QPSK



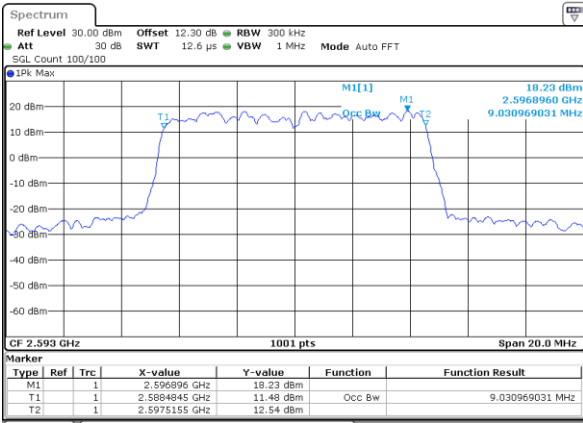
Date: 12 DEC 2020 16:28:34

Middle Channel / 5MHz / 16QAM



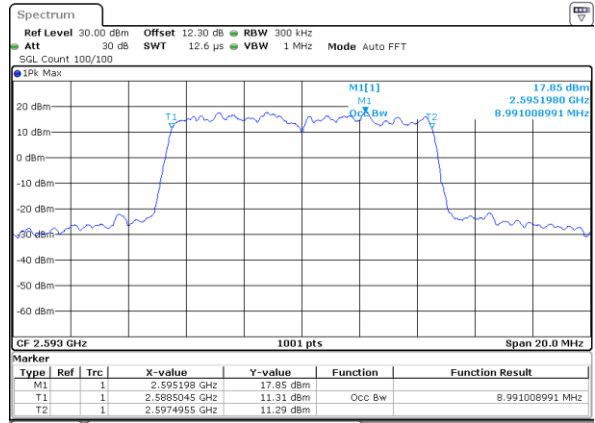
Date: 12 DEC 2020 16:28:45

Middle Channel / 10MHz / QPSK



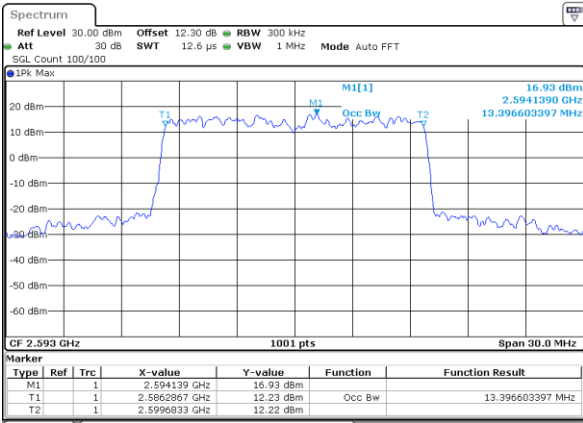
Date: 12 DEC 2020 16:57:58

Middle Channel / 10MHz / 16QAM



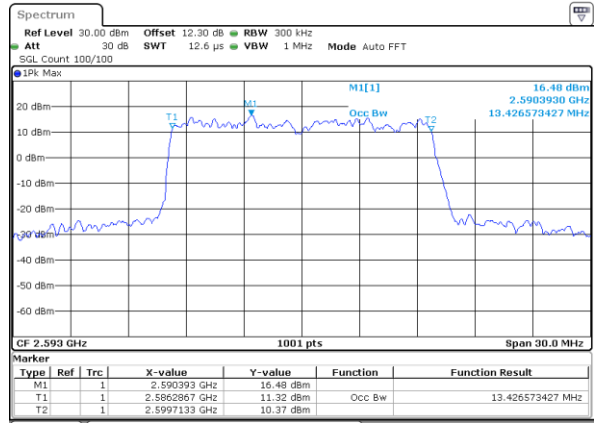
Date: 12 DEC 2020 16:58:32

Middle Channel / 15MHz / QPSK



Date: 12 DEC 2020 16:55:32

Middle Channel / 15MHz / 16QAM

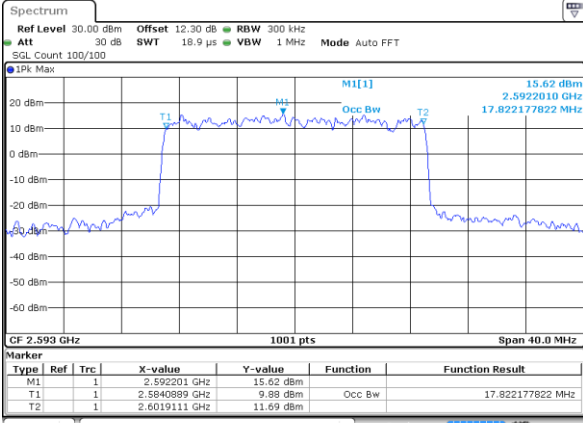


Date: 12 DEC 2020 16:56:13



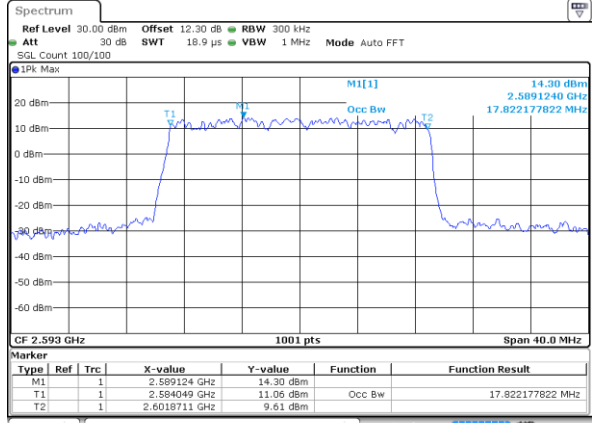
LTE Band 41

Middle Channel / 20MHz / QPSK



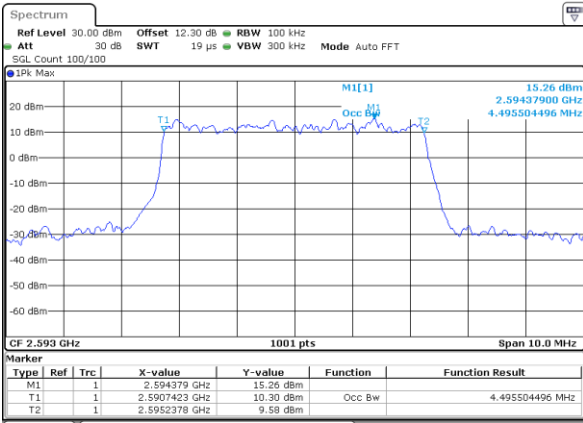
Date: 12 DEC 2020 16:52:02

Middle Channel / 20MHz / 16QAM



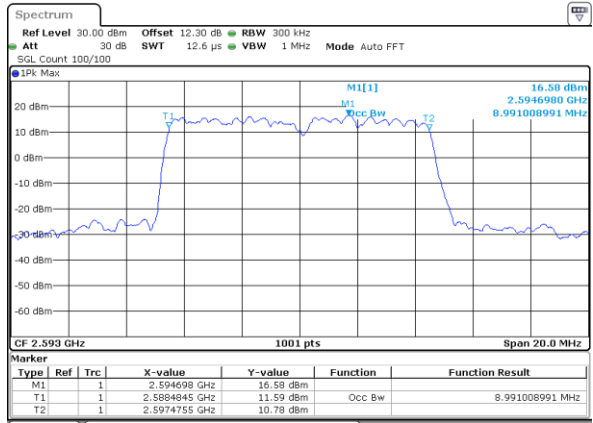
Date: 12 DEC 2020 16:52:28

Middle Channel / 5MHz / 64QAM



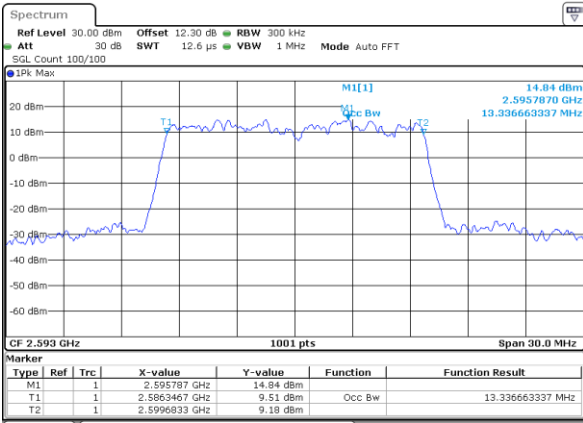
Date: 12 DEC 2020 16:39:09

Middle Channel / 10MHz / 64QAM



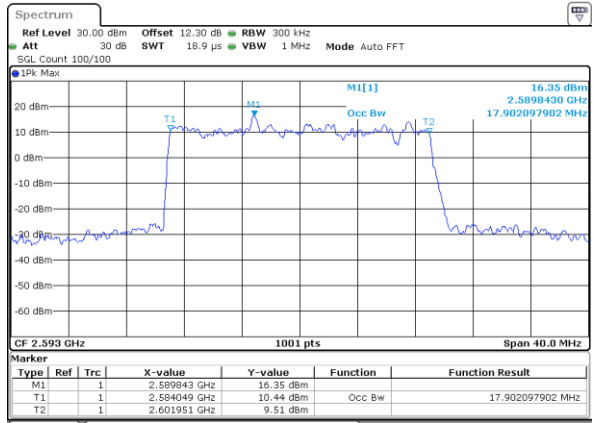
Date: 12 DEC 2020 16:59:17

Middle Channel / 15MHz / 64QAM



Date: 12 DEC 2020 16:56:43

Middle Channel / 20MHz / 64QAM

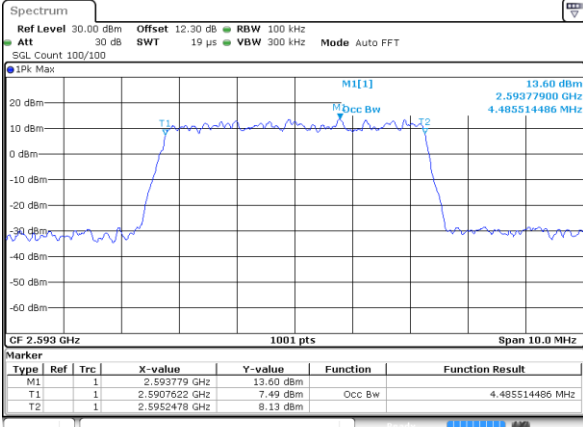


Date: 12 DEC 2020 16:53:03



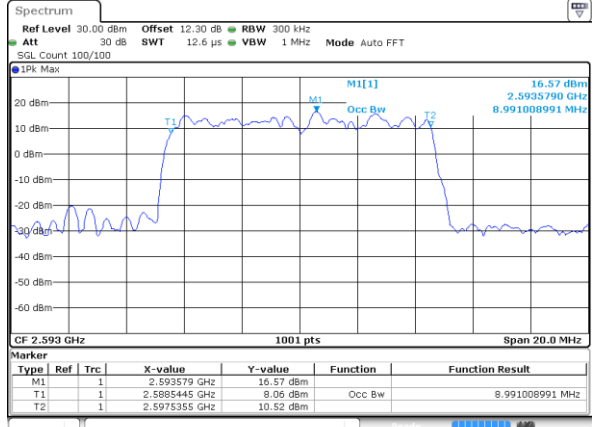
LTE Band 41

Middle Channel / 5MHz / 256QAM



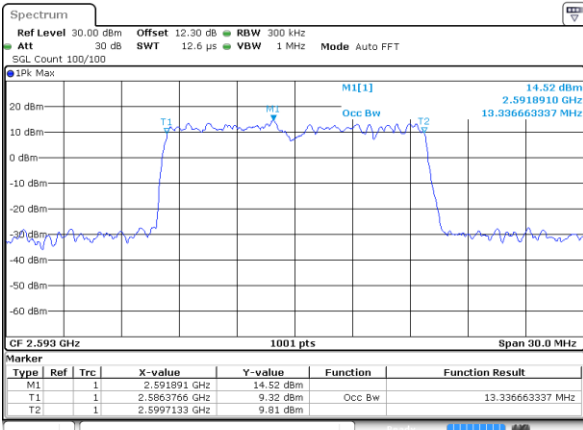
Date: 1 JAN 2021 17:49:40

Middle Channel / 10MHz / 256QAM



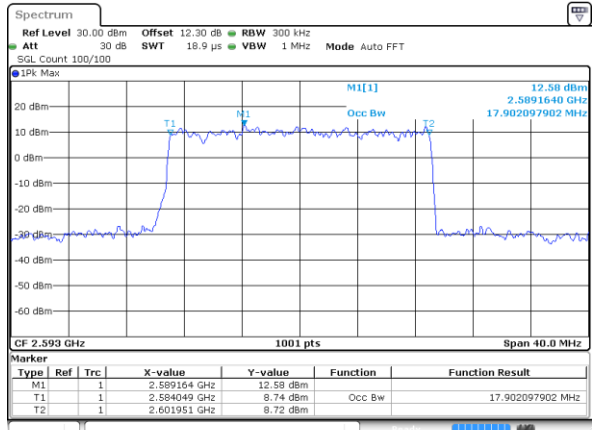
Date: 1 JAN 2021 18:04:17

Middle Channel / 15MHz / 256QAM



Date: 1 JAN 2021 18:44:47

Middle Channel / 20MHz / 256QAM



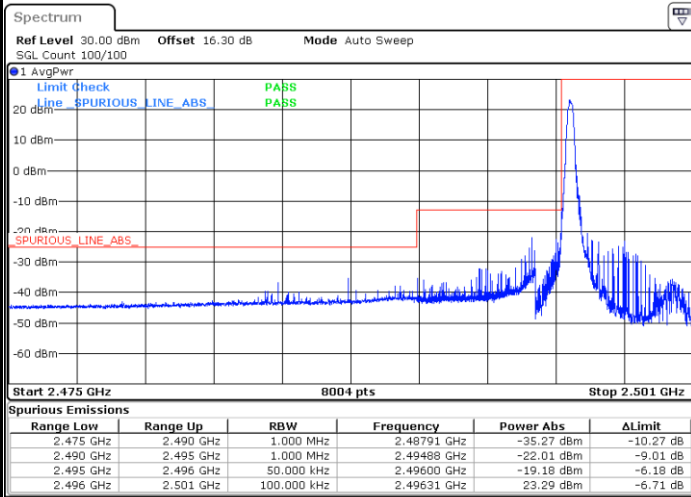
Date: 1 JAN 2021 18:51:53



Conducted Band Edge

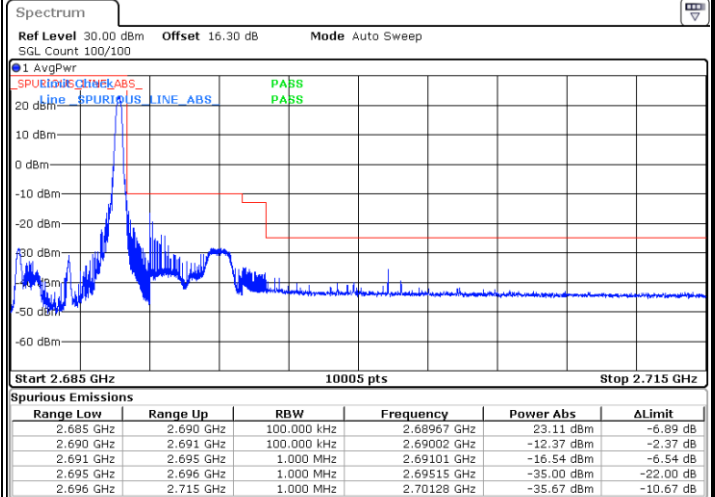
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



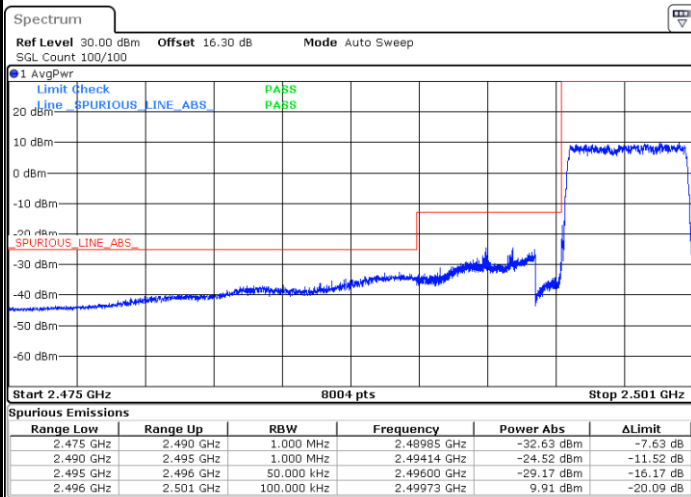
Date: 12 DEC 2020 15:17:54

Highest Band Edge / 1 RB



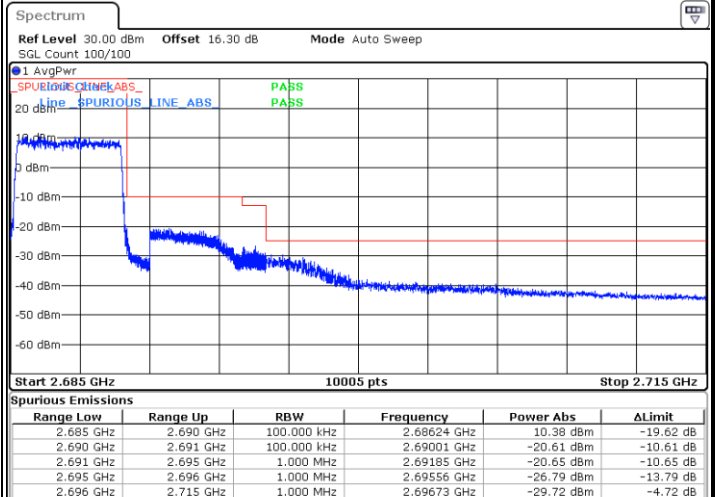
Date: 12 DEC 2020 15:19:41

Lowest Band Edge / Full RB



Date: 12 DEC 2020 15:18:48

Highest Band Edge / Full RB

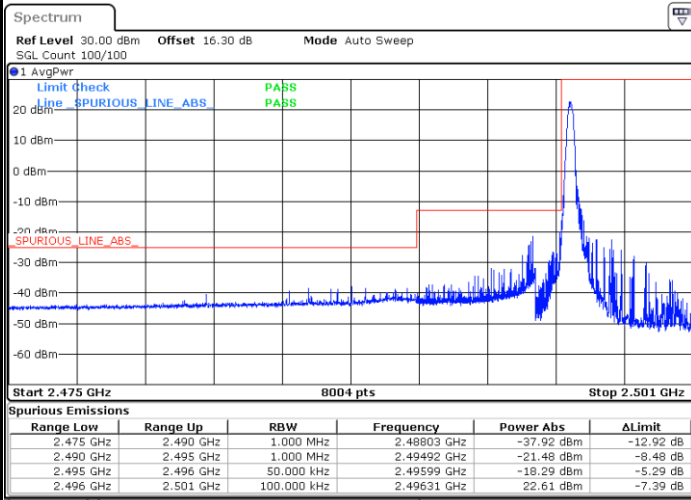


Date: 12 DEC 2020 15:20:35



LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



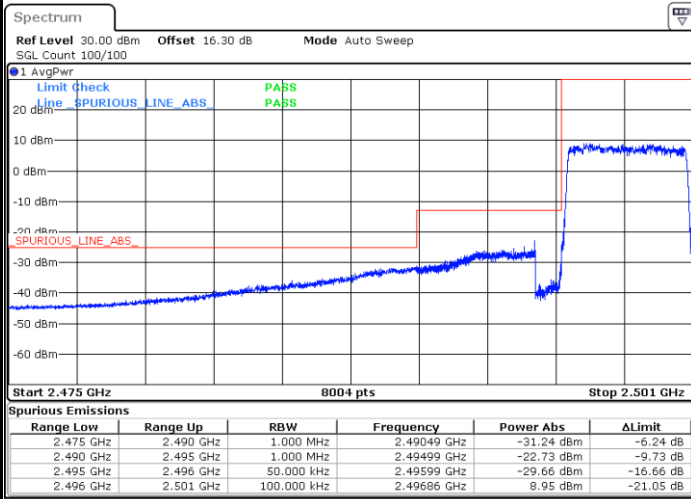
Date: 12 DEC 2020 15:18:21

Highest Band Edge / 1 RB



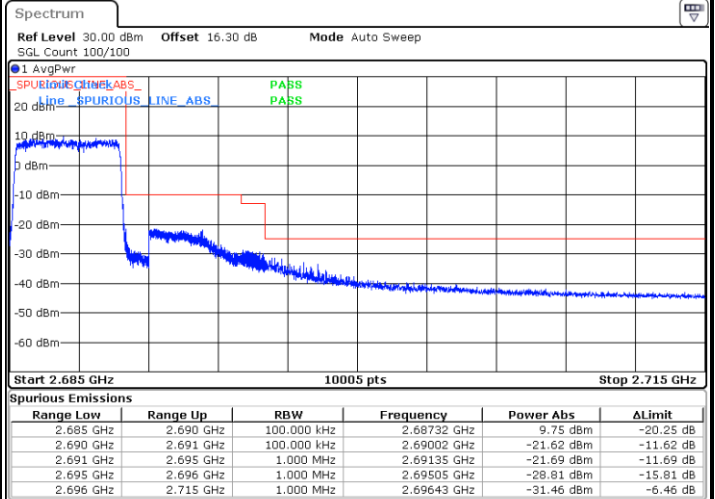
Date: 12 DEC 2020 15:20:08

Lowest Band Edge / Full RB



Date: 12 DEC 2020 15:19:15

Highest Band Edge / Full RB

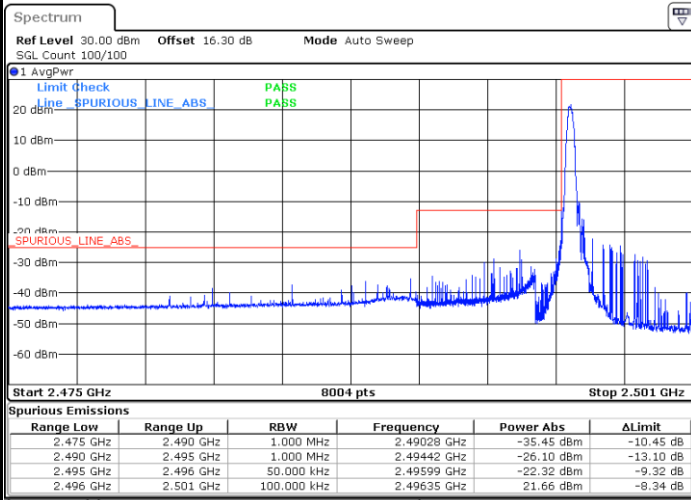


Date: 12 DEC 2020 15:21:02



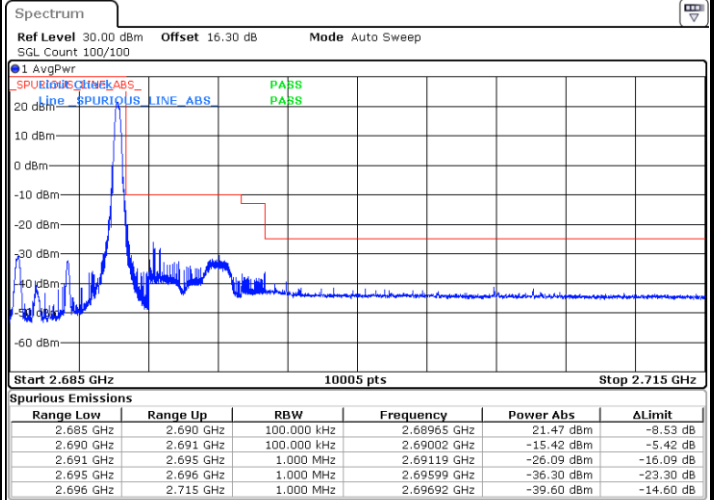
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



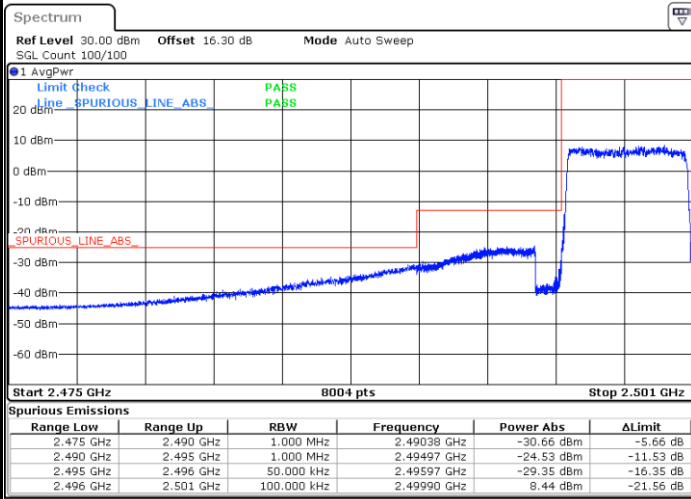
Date: 12 DEC 2020 15:21:29

Highest Band Edge / 1 RB



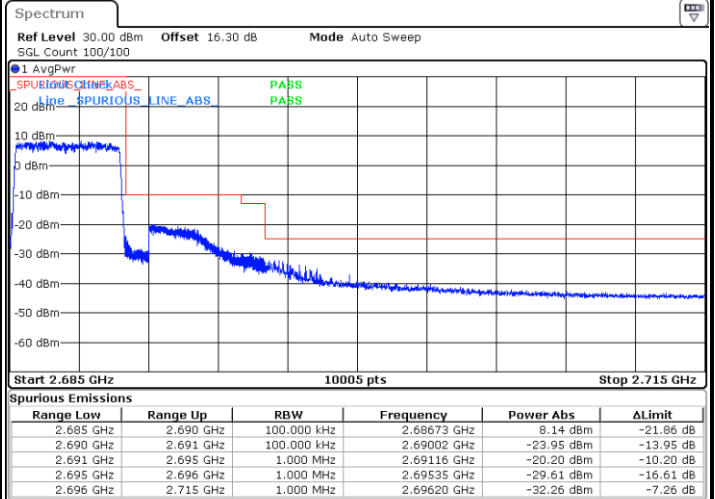
Date: 12 DEC 2020 15:22:23

Lowest Band Edge / Full RB



Date: 12 DEC 2020 15:21:56

Highest Band Edge / Full RB

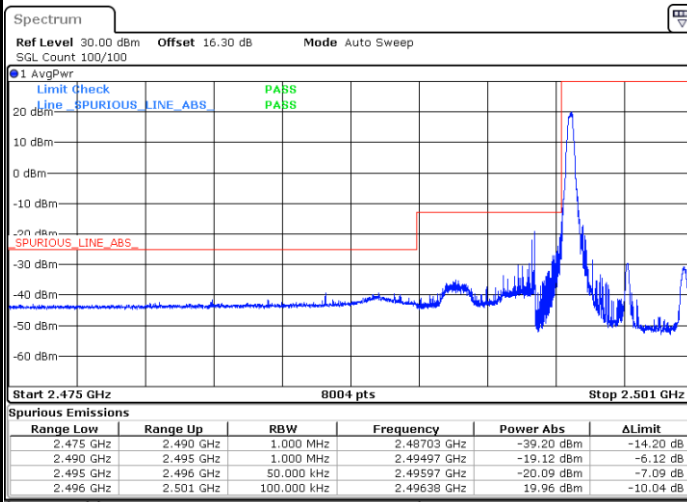


Date: 12 DEC 2020 15:22:50



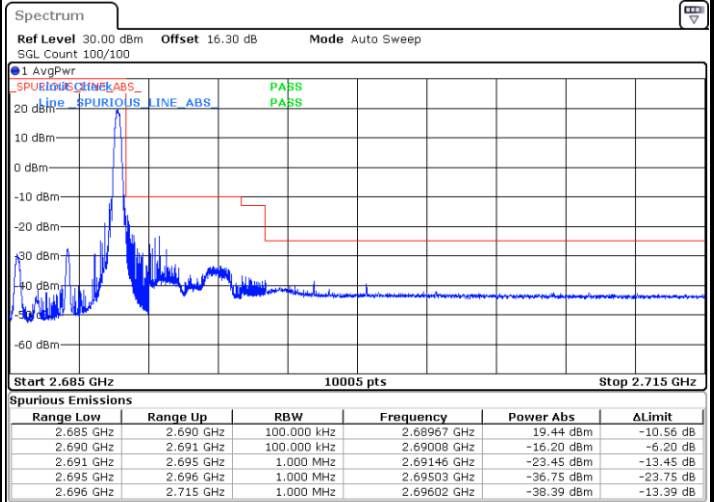
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



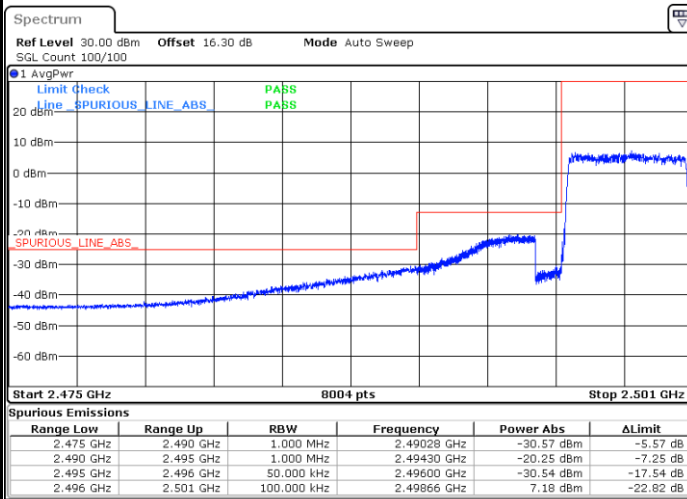
Date: 1 JAN 2021 17:48:35

Highest Band Edge / 1 RB



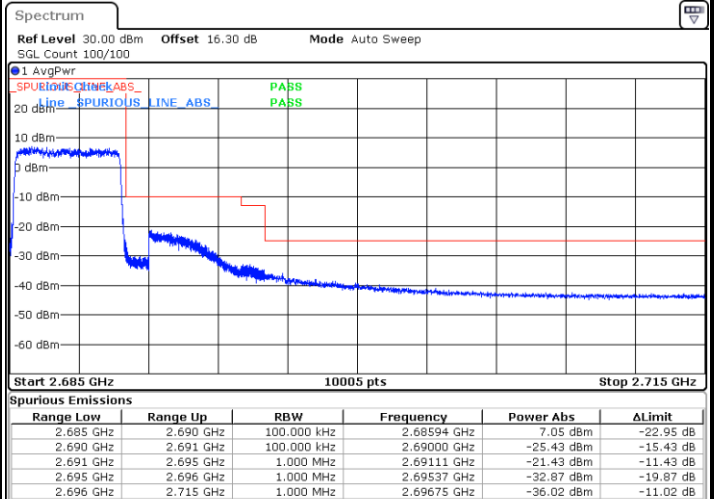
Date: 1 JAN 2021 17:53:47

Lowest Band Edge / Full RB



Date: 1 JAN 2021 17:48:04

Highest Band Edge / Full RB

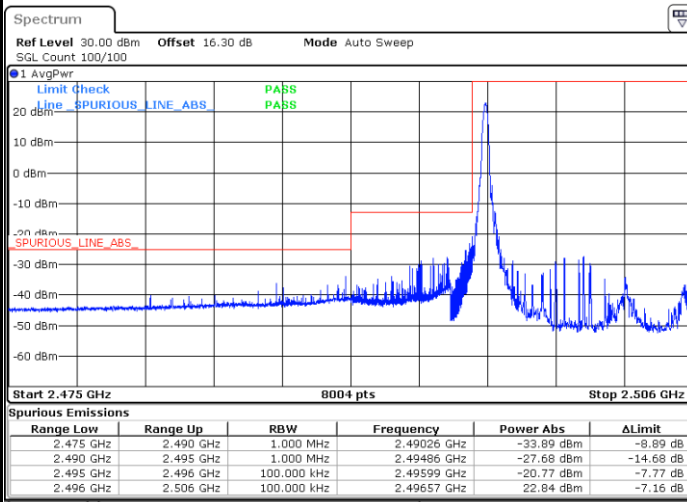


Date: 1 JAN 2021 17:51:59



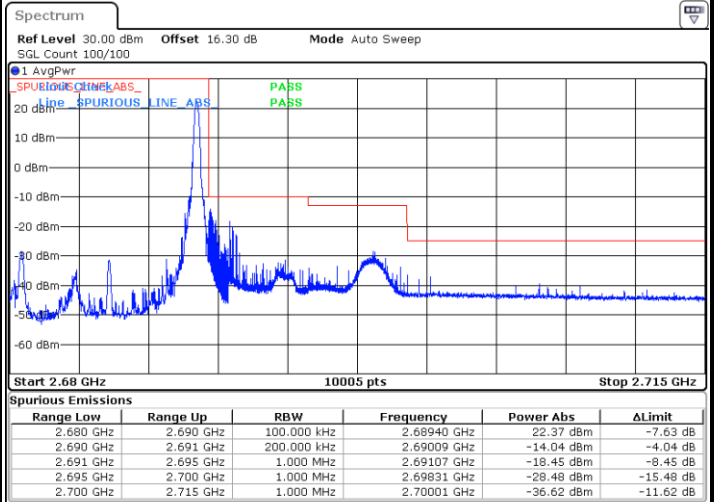
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



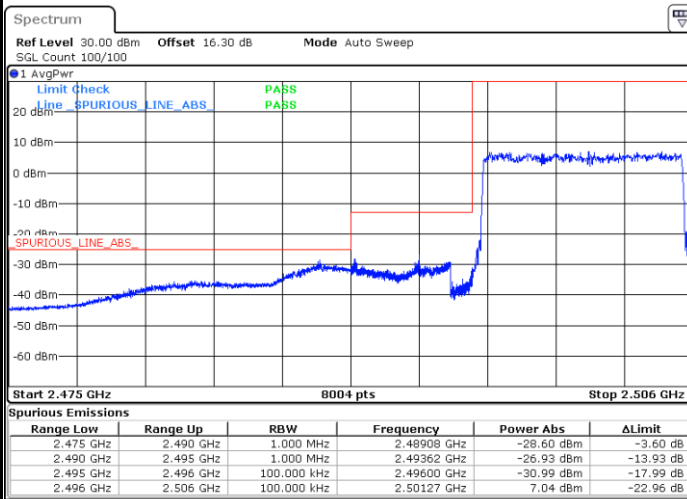
Date: 12 DEC 2020 15:33:34

Highest Band Edge / 1 RB



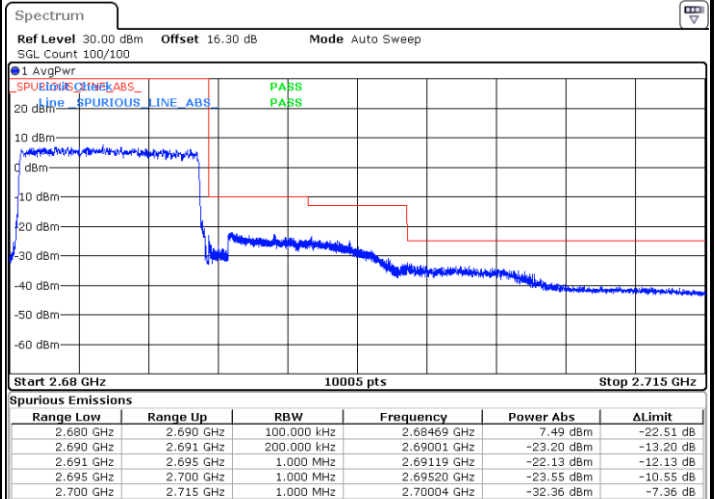
Date: 12 DEC 2020 15:35:22

Lowest Band Edge / Full RB



Date: 12 DEC 2020 15:34:28

Highest Band Edge / Full RB

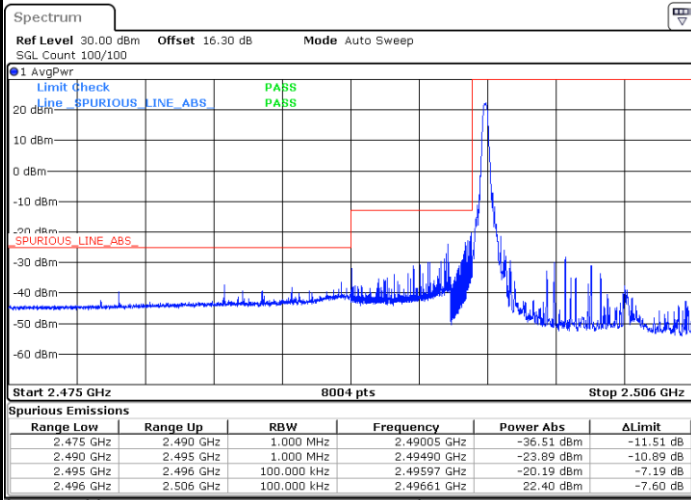


Date: 12 DEC 2020 15:41:10



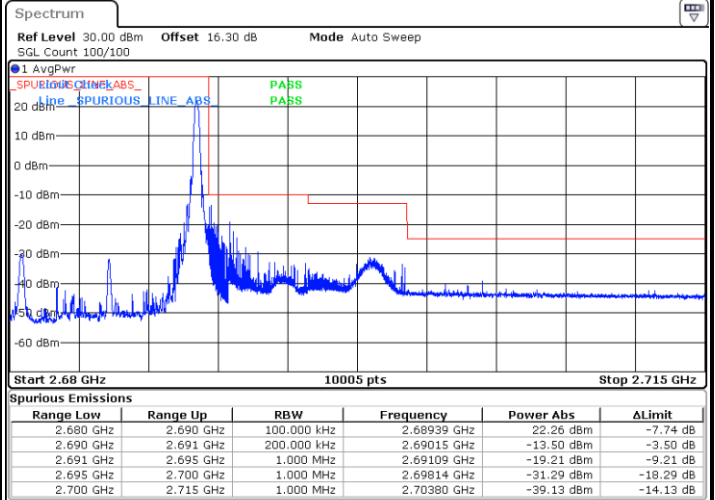
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



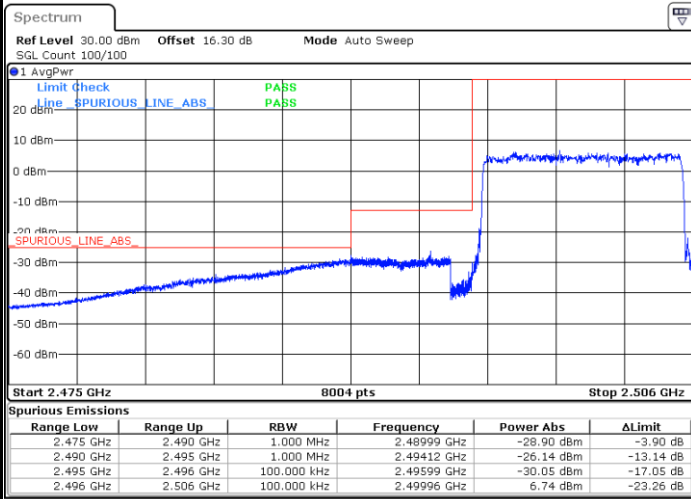
Date: 12 DEC 2020 15:34:01

Highest Band Edge / 1 RB



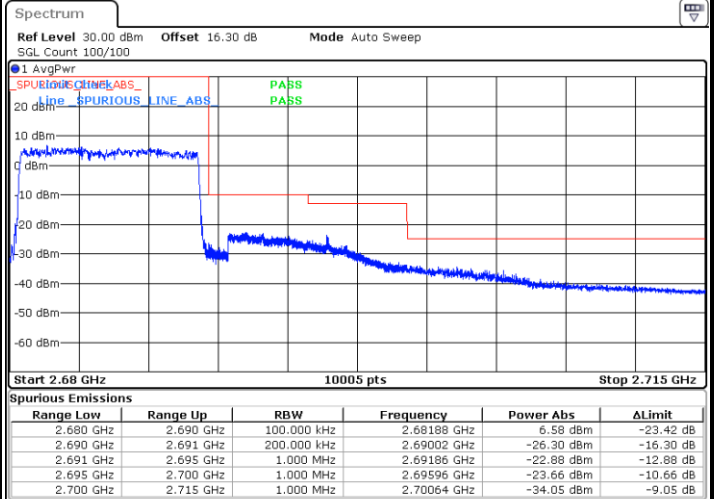
Date: 12 DEC 2020 15:35:48

Lowest Band Edge / Full RB



Date: 12 DEC 2020 15:34:55

Highest Band Edge / Full RB

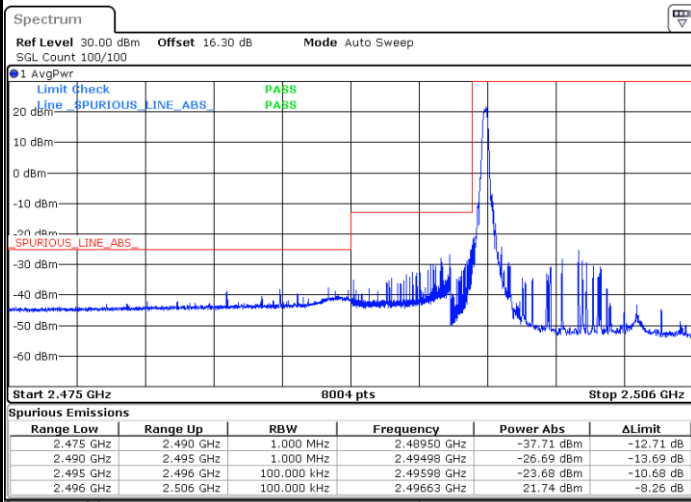


Date: 12 DEC 2020 15:41:37



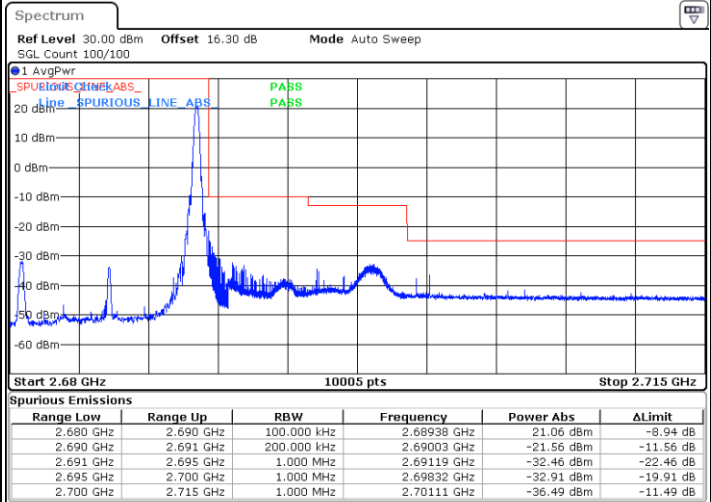
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



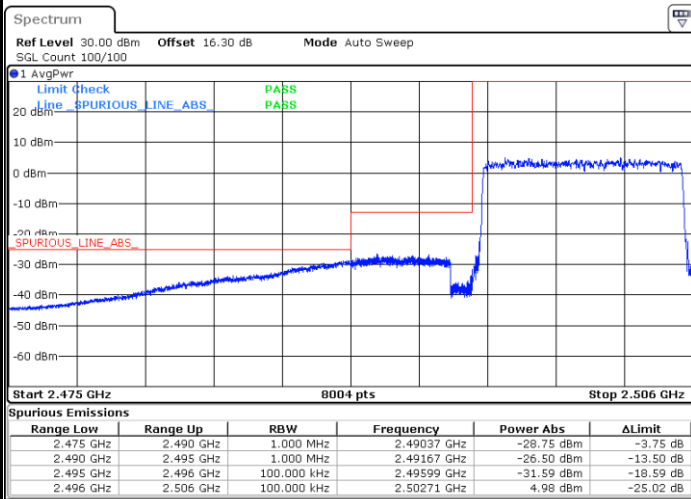
Date: 12 DEC 2020 15:42:04

Highest Band Edge / 1 RB



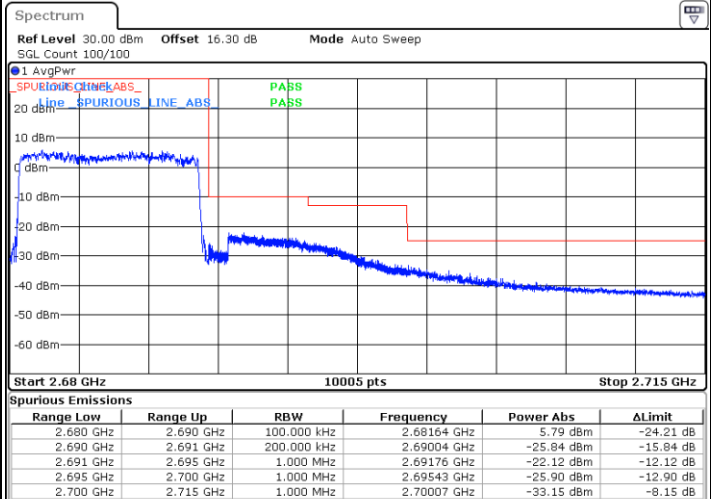
Date: 12 DEC 2020 15:42:58

Lowest Band Edge / Full RB



Date: 12 DEC 2020 15:42:31

Highest Band Edge / Full RB

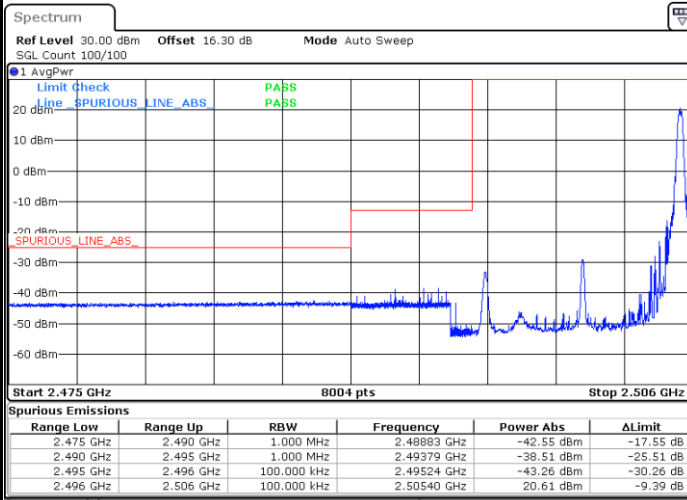


Date: 12 DEC 2020 15:43:25



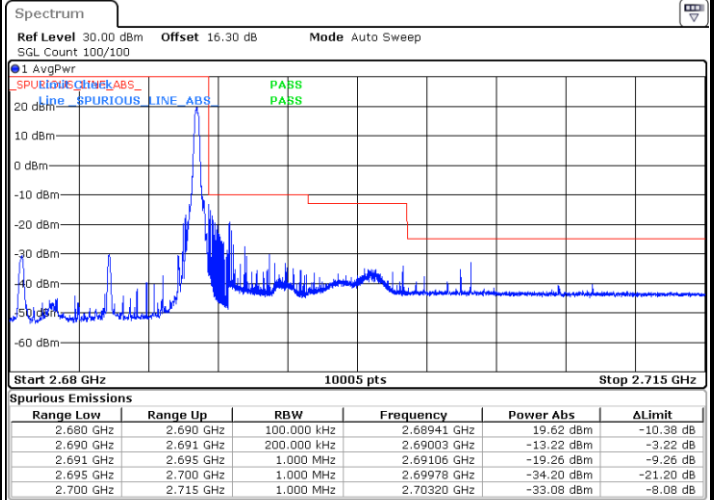
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



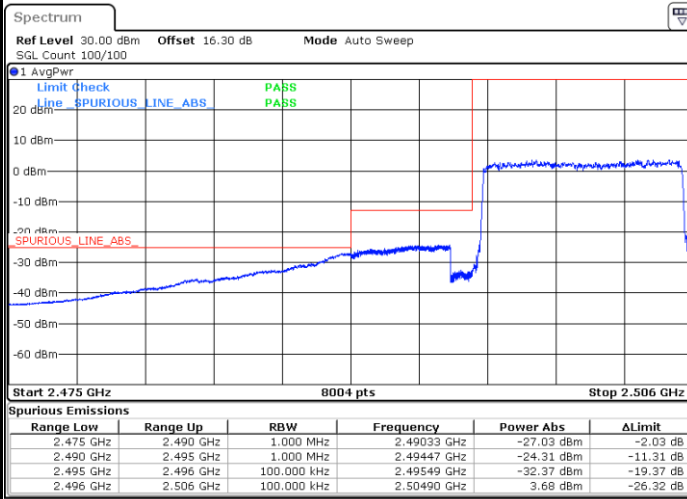
Date: 1 JAN 2021 18:00:16

Highest Band Edge / 1 RB



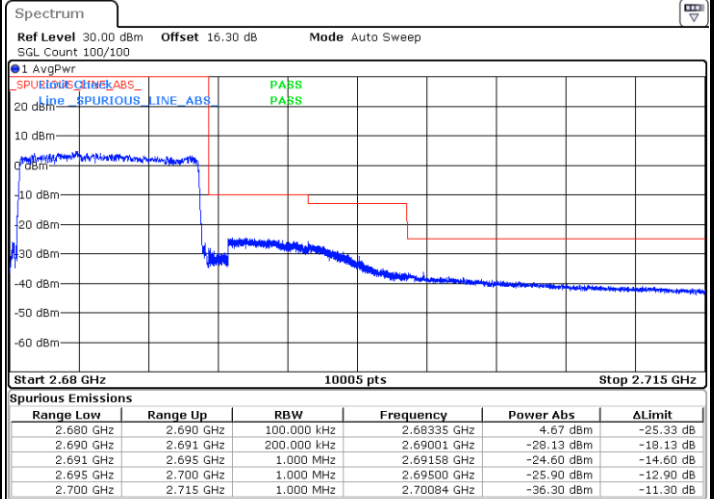
Date: 1 JAN 2021 18:11:29

Lowest Band Edge / Full RB



Date: 1 JAN 2021 18:02:37

Highest Band Edge / Full RB

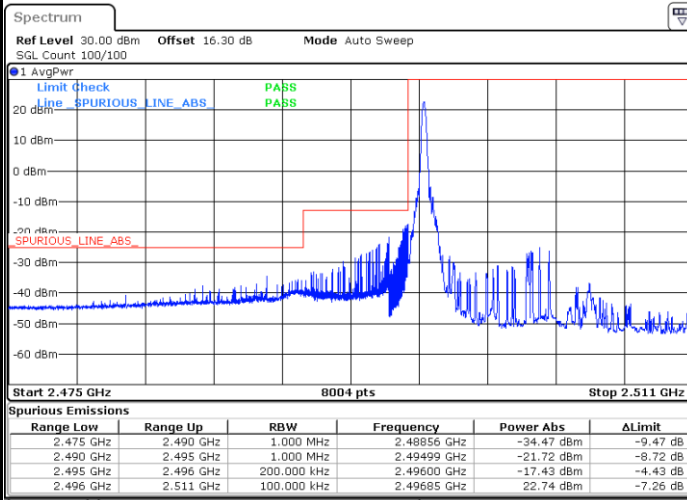


Date: 1 JAN 2021 18:07:10



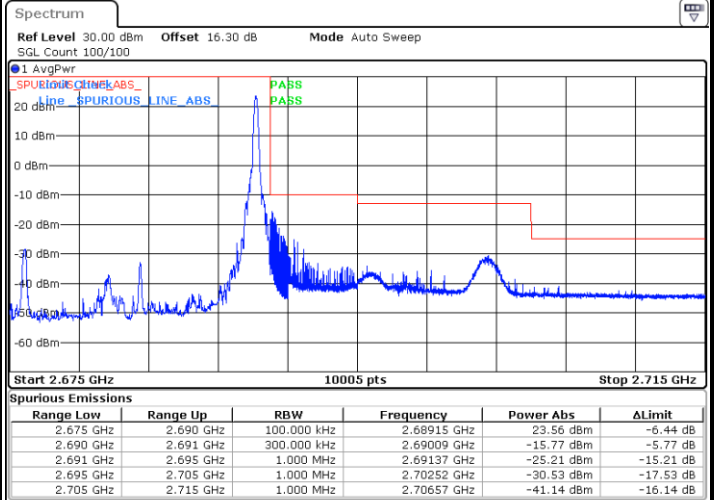
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



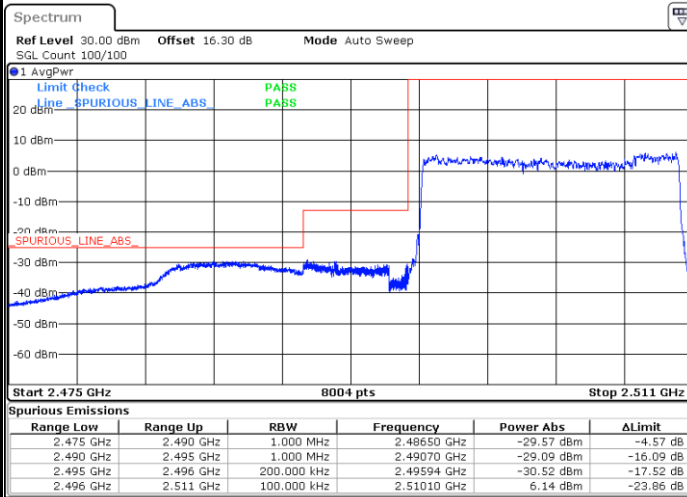
Date: 12 DEC 2020 15:53:35

Highest Band Edge / 1 RB



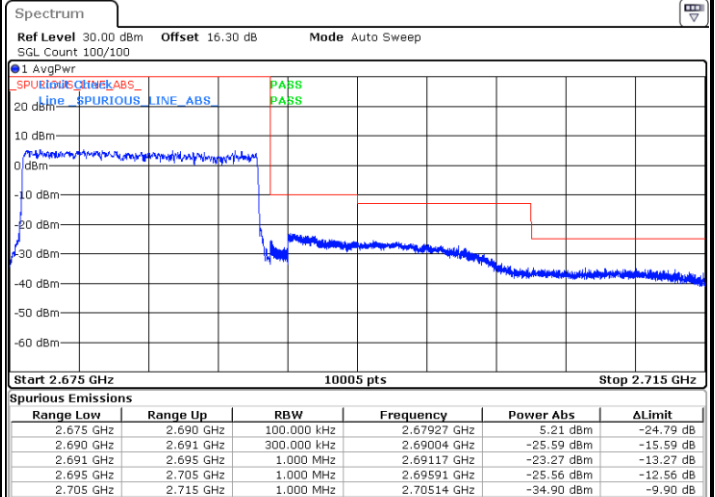
Date: 12 DEC 2020 15:55:23

Lowest Band Edge / Full RB



Date: 12 DEC 2020 15:54:29

Highest Band Edge / Full RB

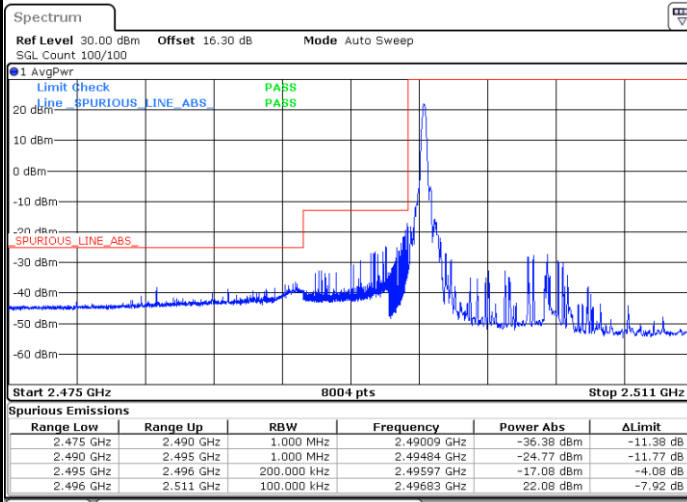


Date: 12 DEC 2020 15:56:16



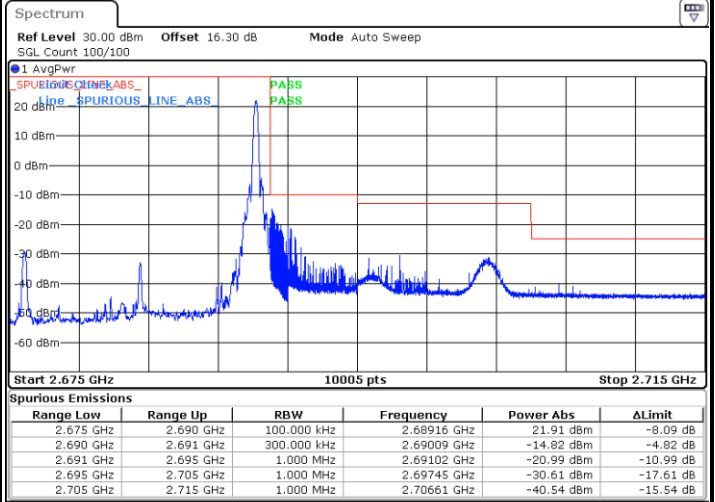
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



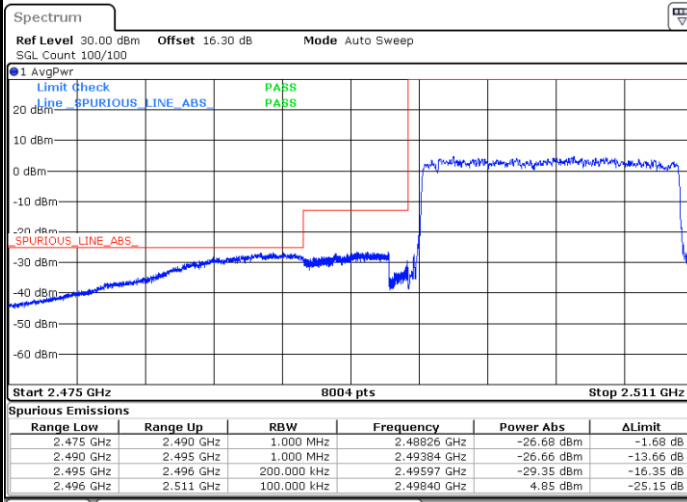
Date: 12 DEC 2020 15:54:02

Highest Band Edge / 1 RB



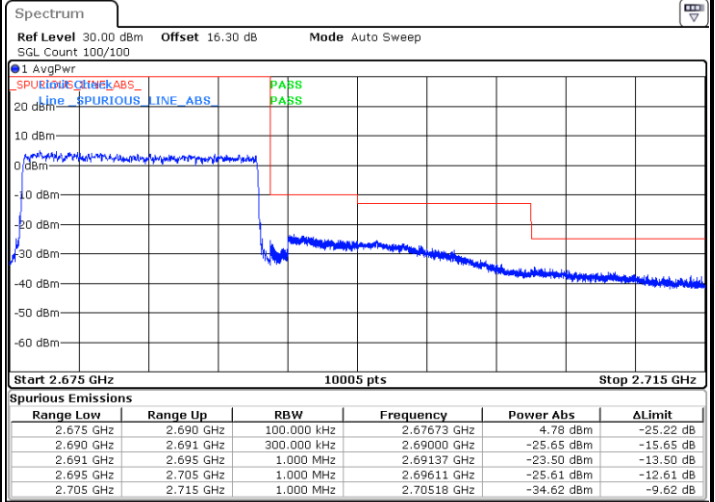
Date: 12 DEC 2020 15:55:49

Lowest Band Edge / Full RB



Date: 12 DEC 2020 15:54:56

Highest Band Edge / Full RB

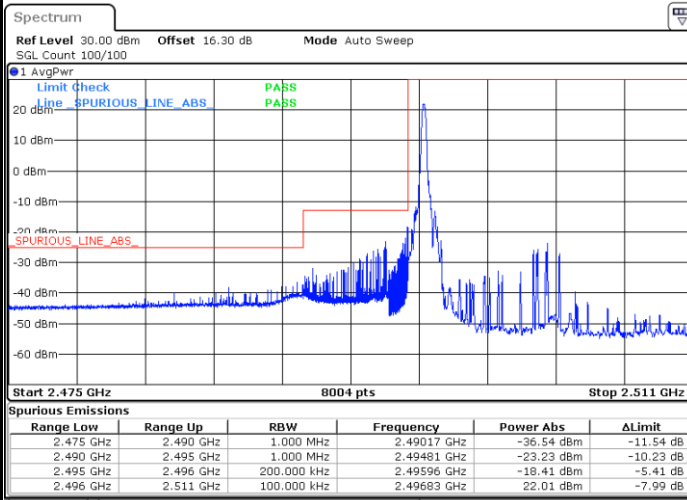


Date: 12 DEC 2020 15:56:43



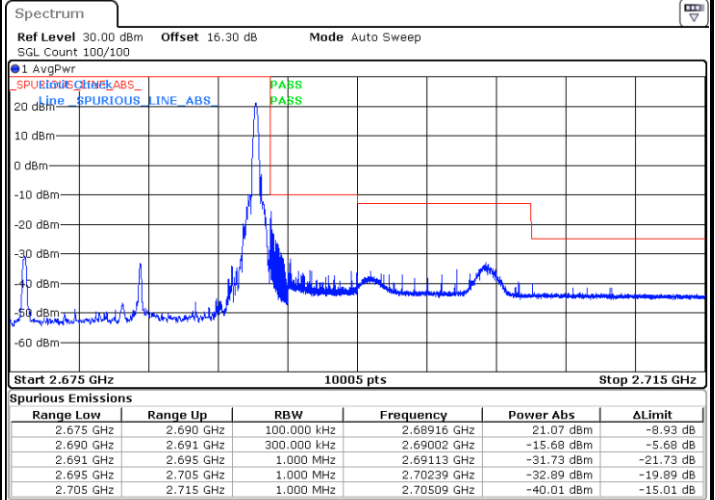
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



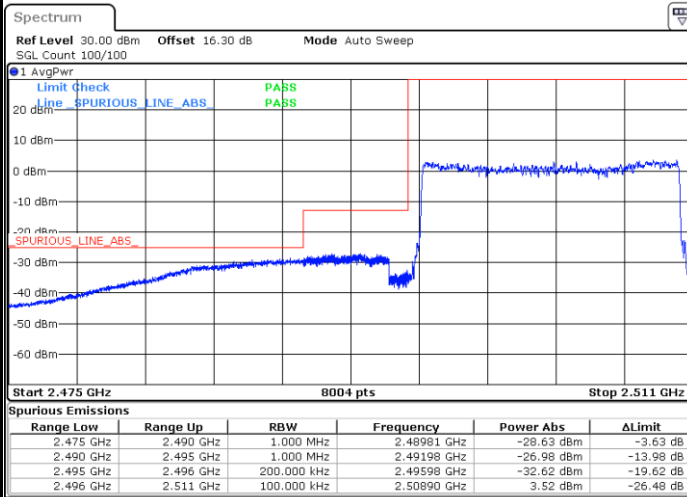
Date: 12 DEC 2020 15:43:52

Highest Band Edge / 1 RB



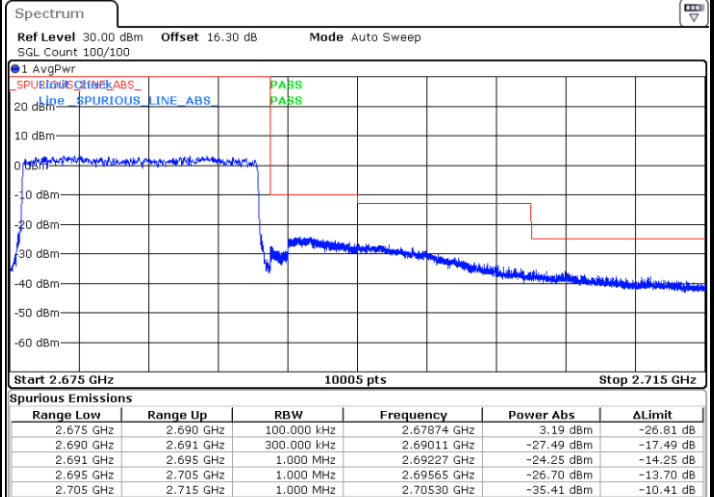
Date: 12 DEC 2020 15:44:46

Lowest Band Edge / Full RB



Date: 12 DEC 2020 15:44:19

Highest Band Edge / Full RB

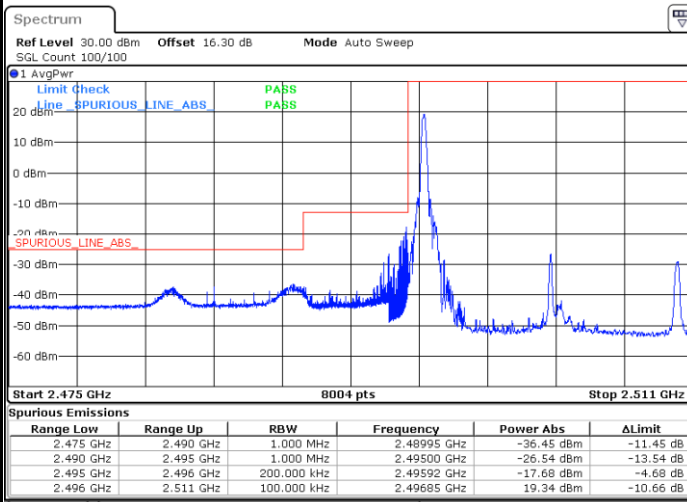


Date: 12 DEC 2020 15:49:58



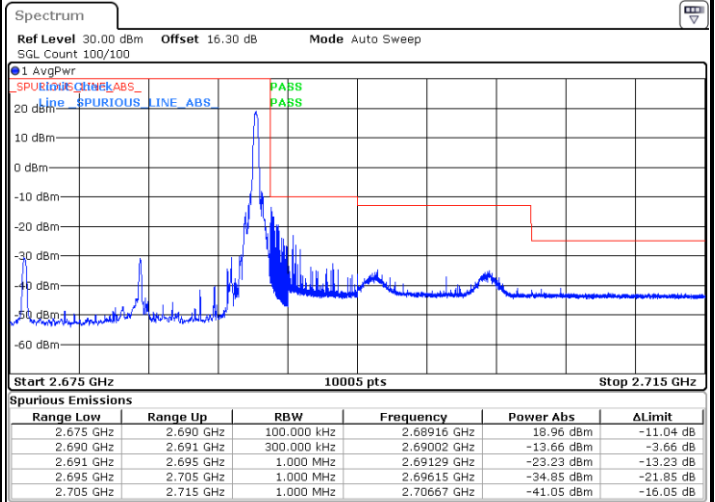
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



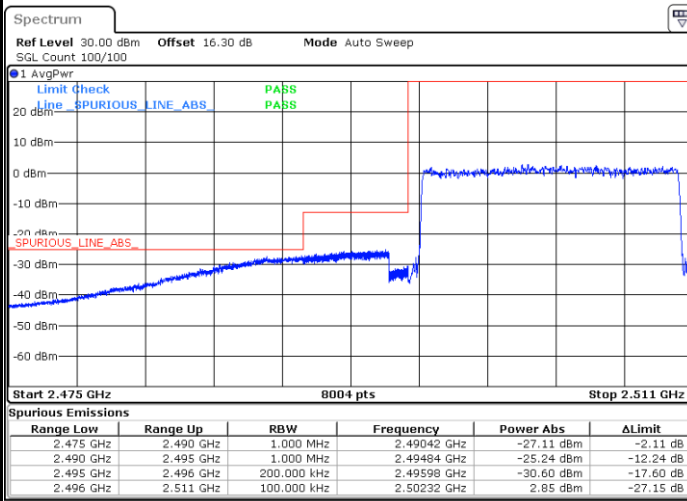
Date: 1 JAN 2021 18:47:15

Highest Band Edge / 1 RB



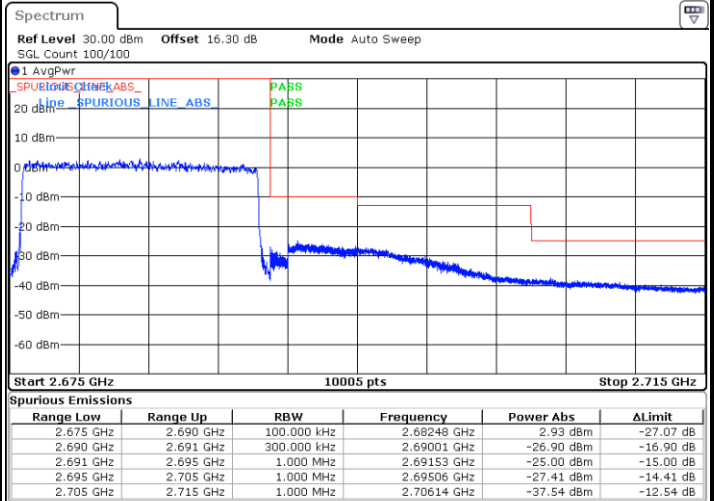
Date: 1 JAN 2021 18:48:45

Lowest Band Edge / Full RB



Date: 1 JAN 2021 18:46:33

Highest Band Edge / Full RB

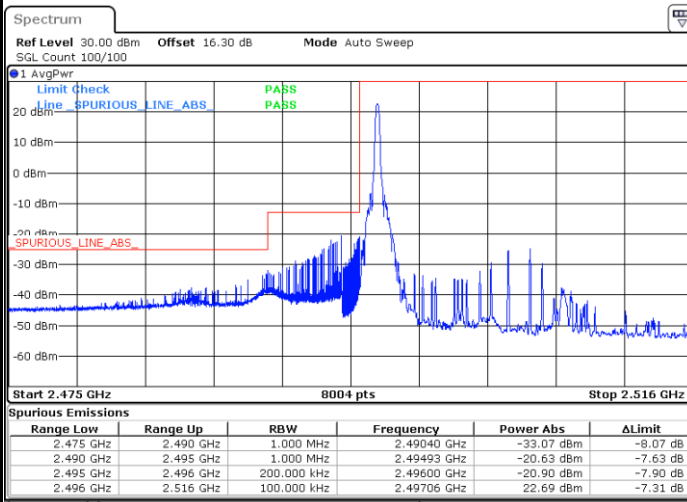


Date: 1 JAN 2021 18:49:54



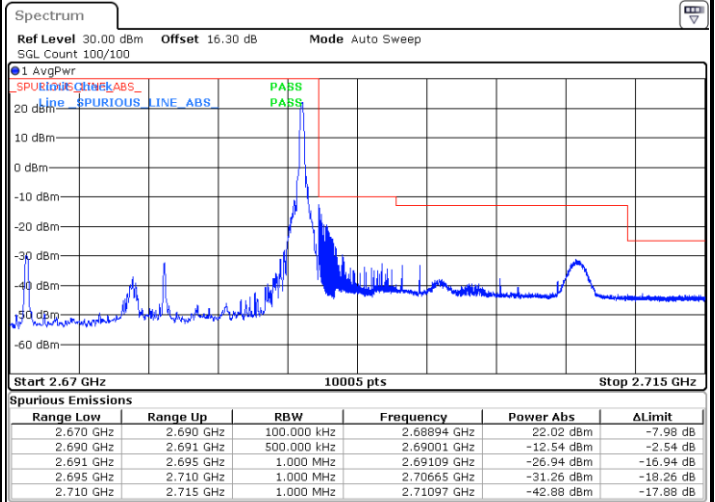
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



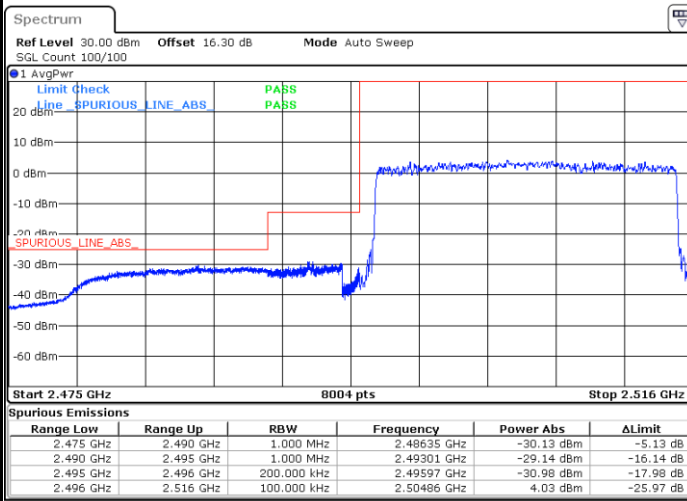
Date: 12 DEC 2020 15:57:11

Highest Band Edge / 1 RB



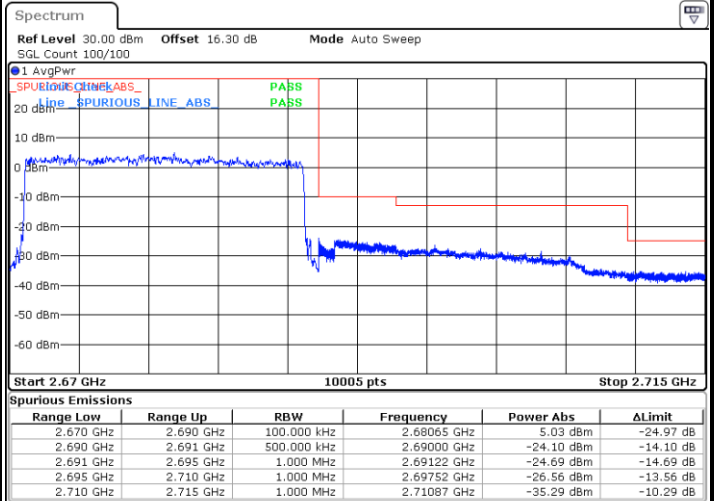
Date: 12 DEC 2020 16:24:40

Lowest Band Edge / Full RB



Date: 12 DEC 2020 15:58:05

Highest Band Edge / Full RB

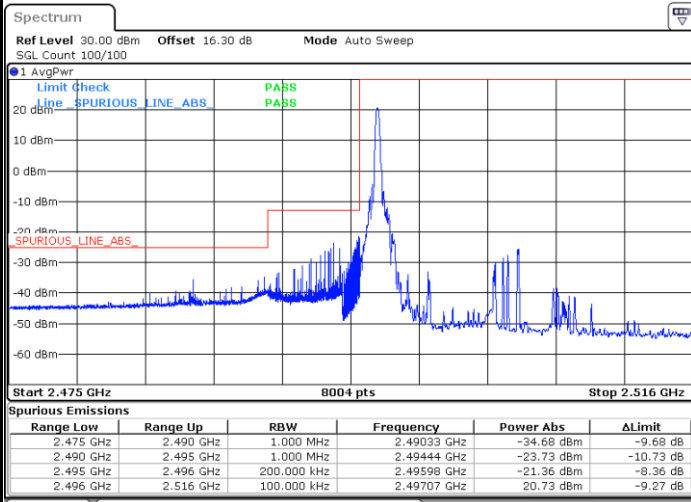


Date: 12 DEC 2020 16:00:19



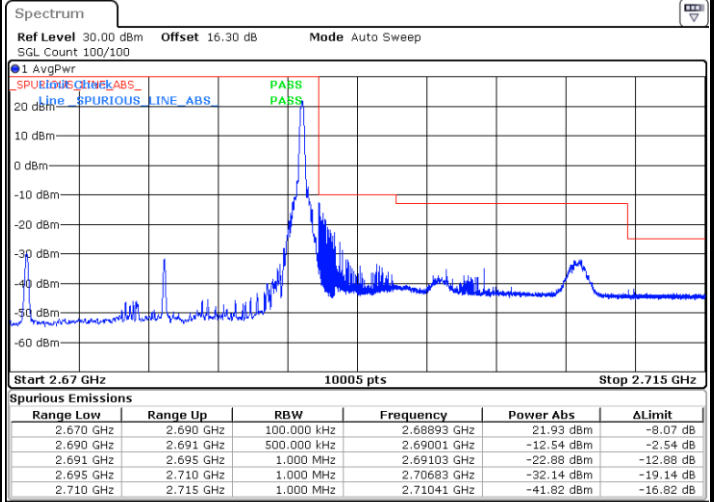
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



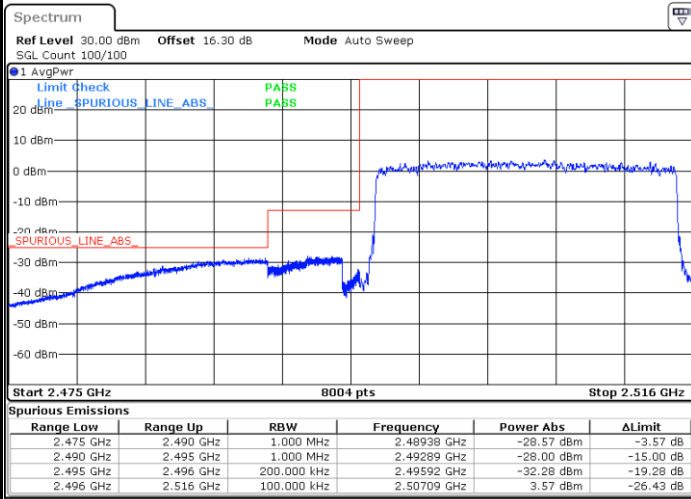
Date: 12 DEC 2020 15:57:37

Highest Band Edge / 1 RB



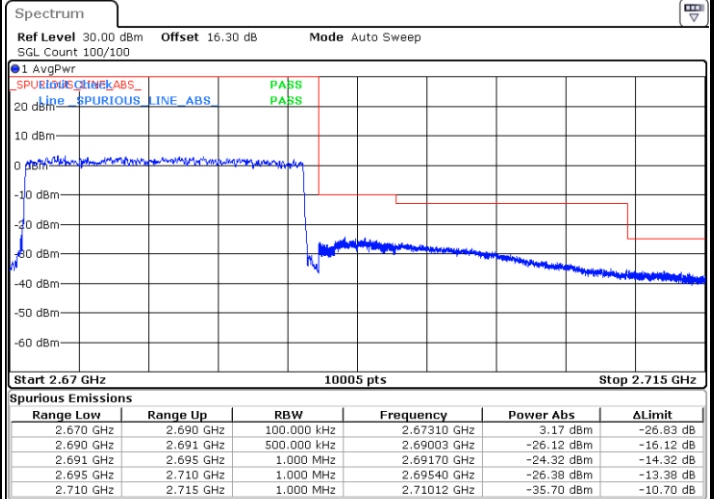
Date: 12 DEC 2020 15:59:25

Lowest Band Edge / Full RB



Date: 12 DEC 2020 15:58:32

Highest Band Edge / Full RB



Date: 12 DEC 2020 15:59:52