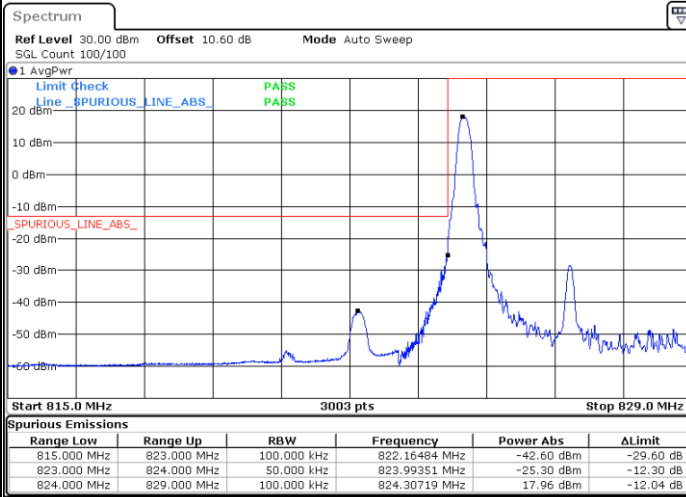




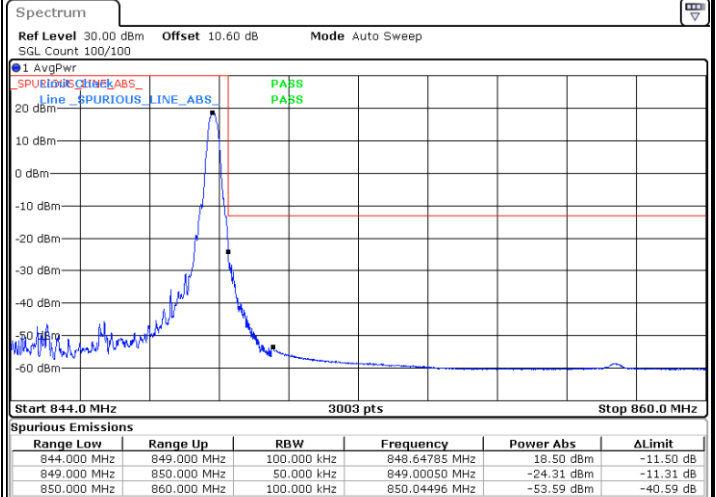
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



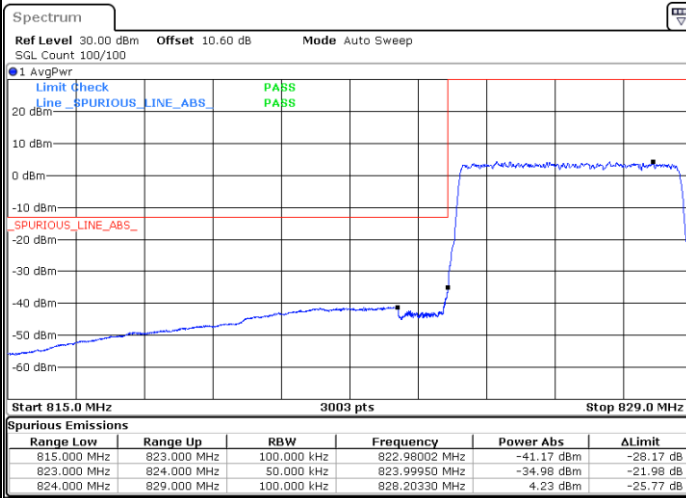
Date: 18.MAY.2021 13:52:40

Highest Band Edge / 1 RB



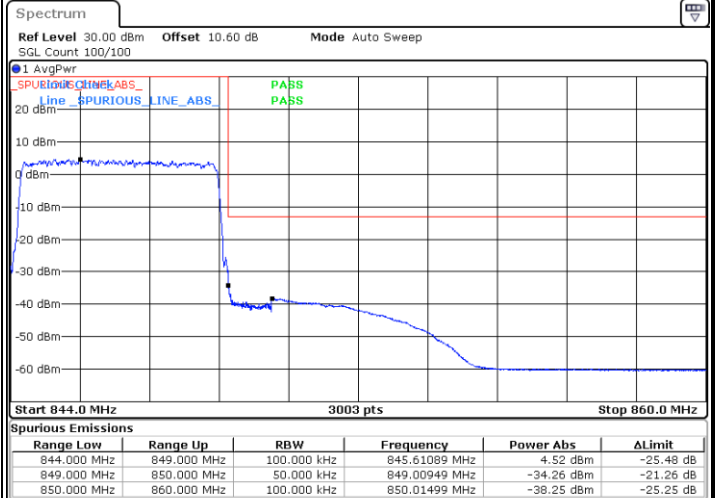
Date: 18.MAY.2021 14:02:43

Lowest Band Edge / Full RB



Date: 18.MAY.2021 13:56:23

Highest Band Edge / Full RB

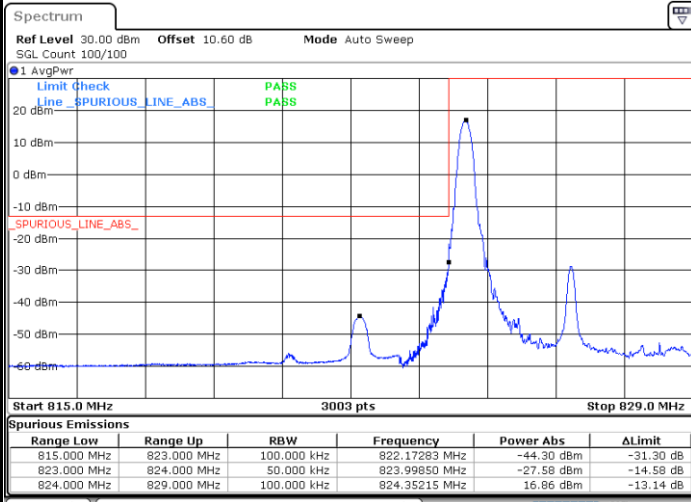


Date: 18.MAY.2021 14:06:25



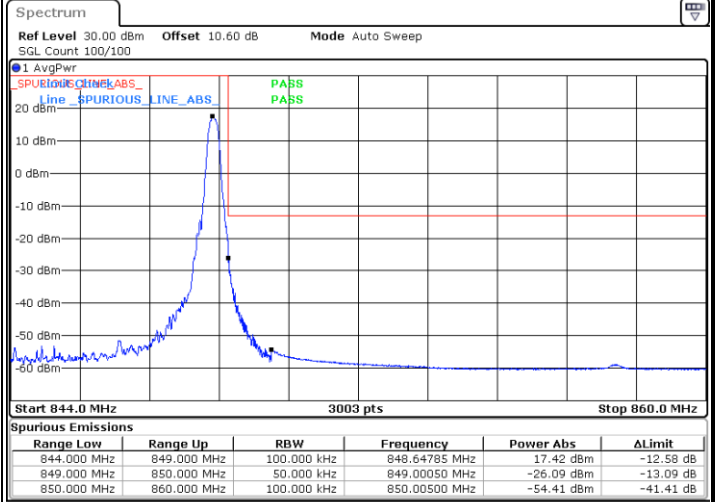
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



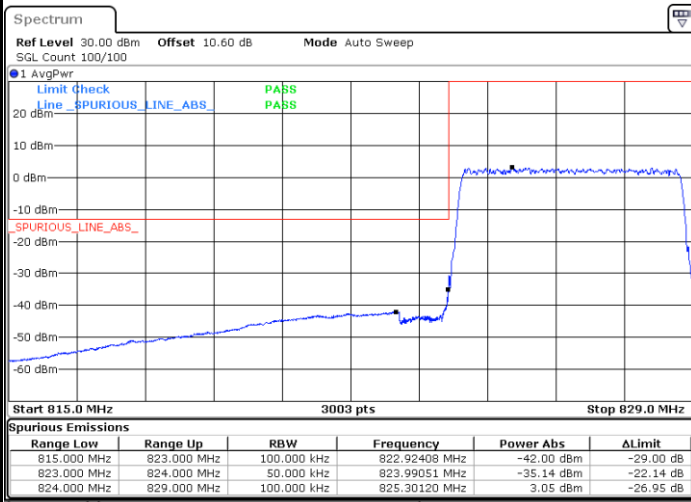
Date: 18.MAY.2021 14:08:52

Highest Band Edge / 1 RB



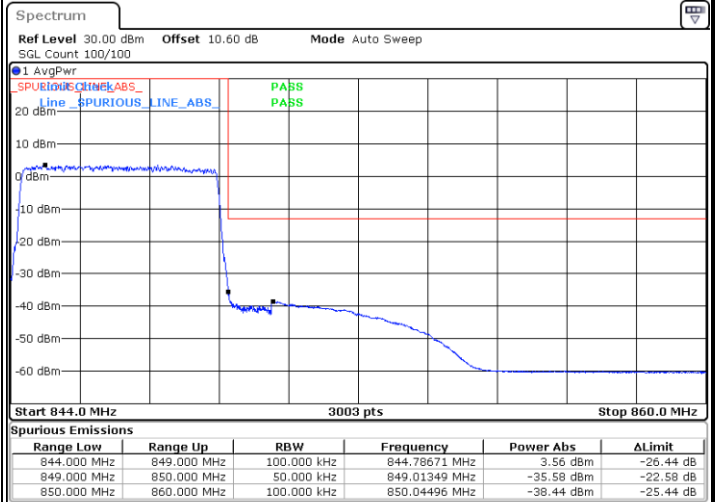
Date: 18.MAY.2021 14:13:18

Lowest Band Edge / Full RB



Date: 18.MAY.2021 14:10:44

Highest Band Edge / Full RB

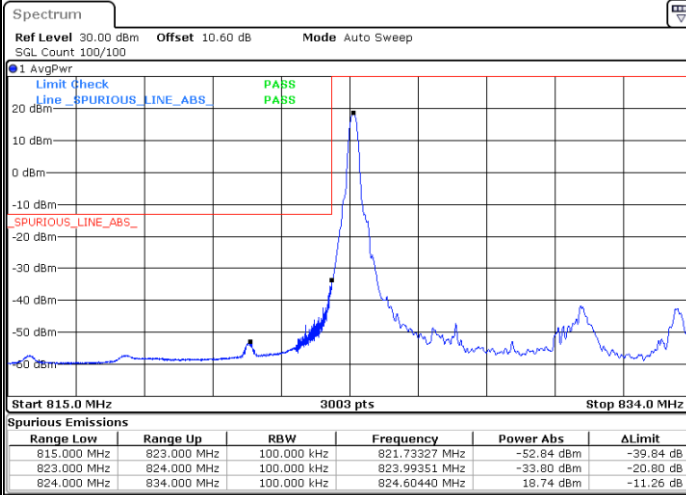


Date: 18.MAY.2021 14:15:09



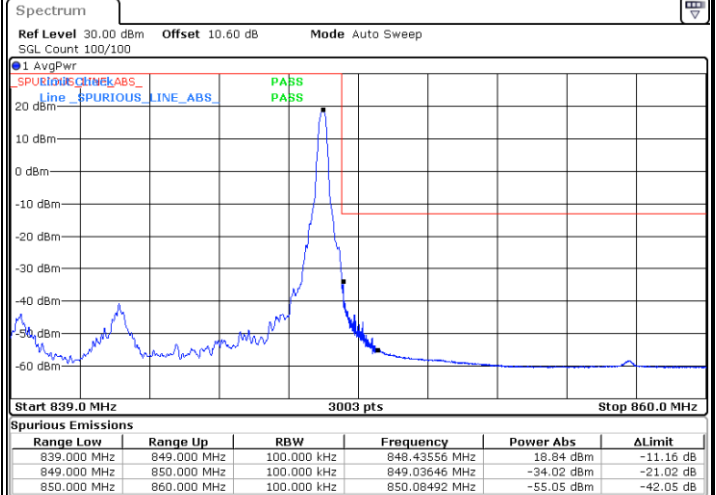
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



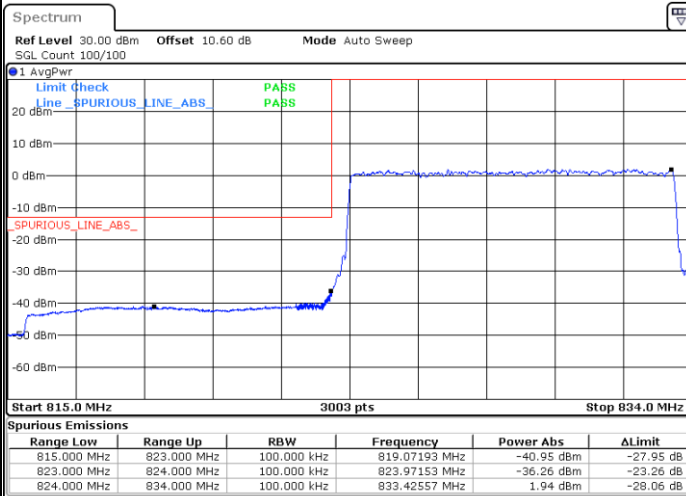
Date: 18.MAY.2021 14:17:01

Highest Band Edge / 1 RB



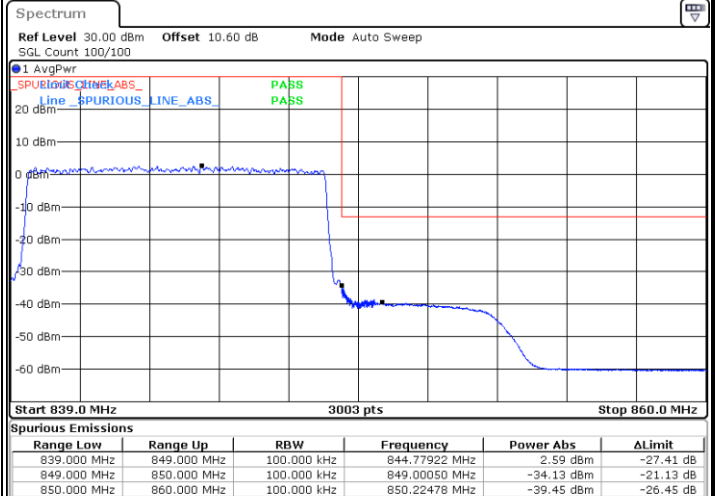
Date: 18.MAY.2021 14:27:03

Lowest Band Edge / Full RB



Date: 18.MAY.2021 14:20:44

Highest Band Edge / Full RB

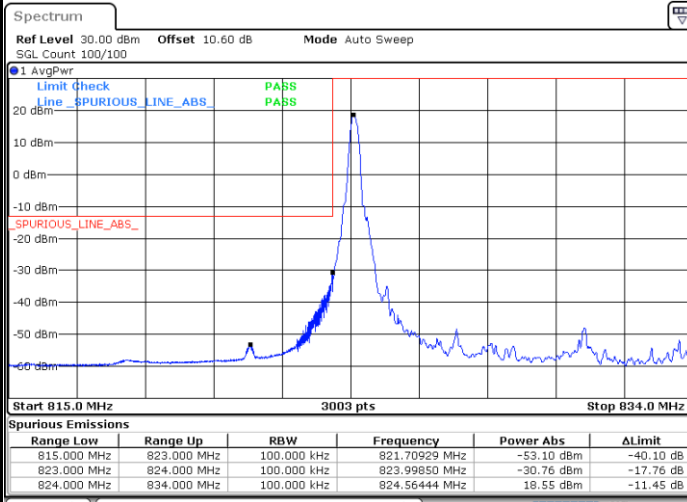


Date: 18.MAY.2021 14:30:46



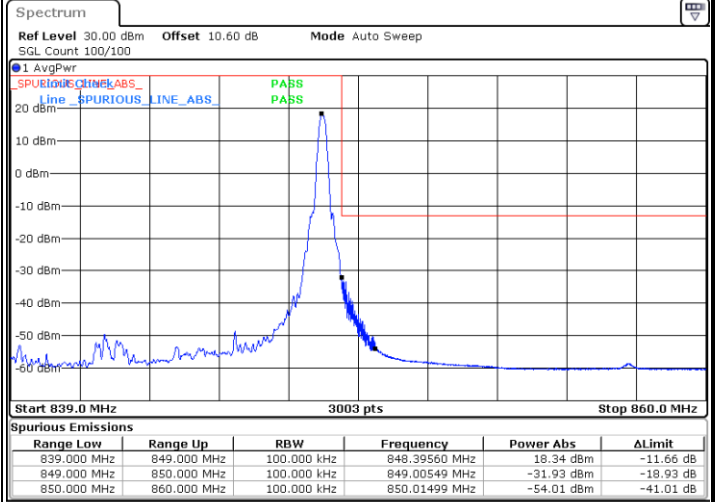
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



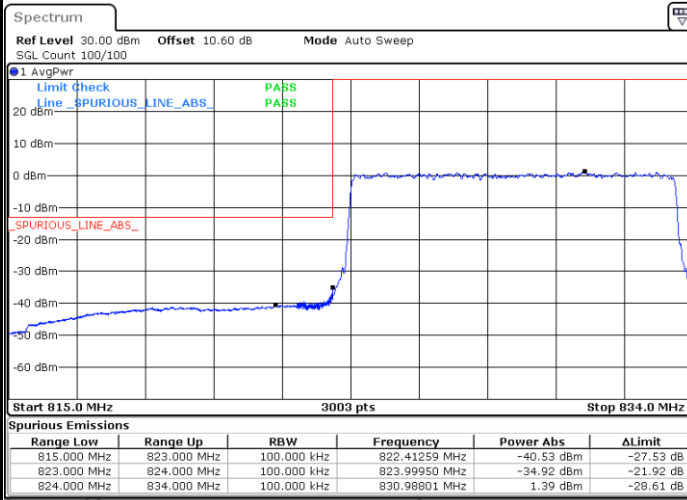
Date: 18.MAY.2021 14:18:52

Highest Band Edge / 1 RB



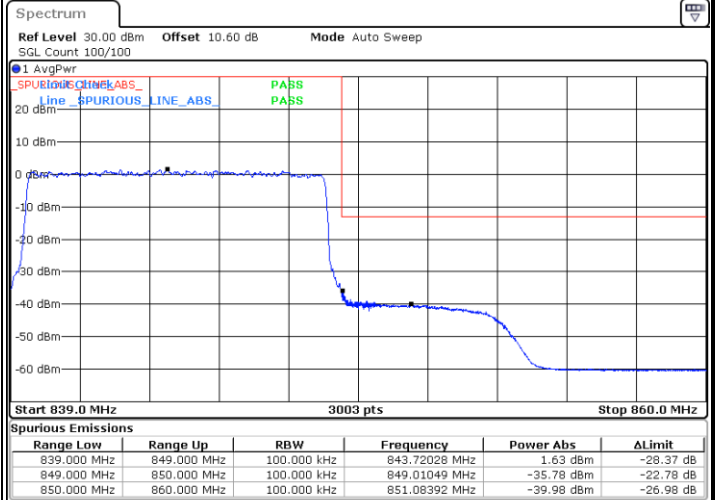
Date: 18.MAY.2021 14:28:54

Lowest Band Edge / Full RB



Date: 18.MAY.2021 14:22:35

Highest Band Edge / Full RB

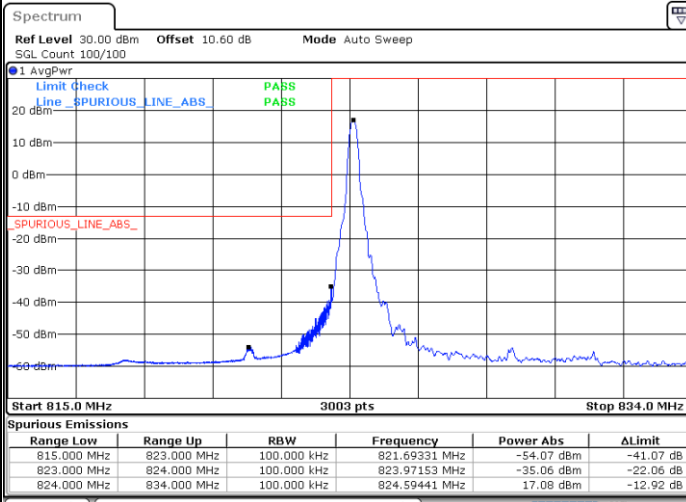


Date: 18.MAY.2021 14:32:37



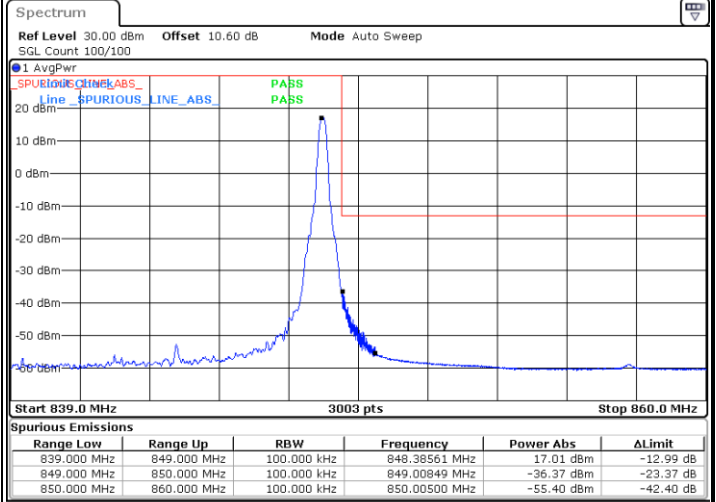
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



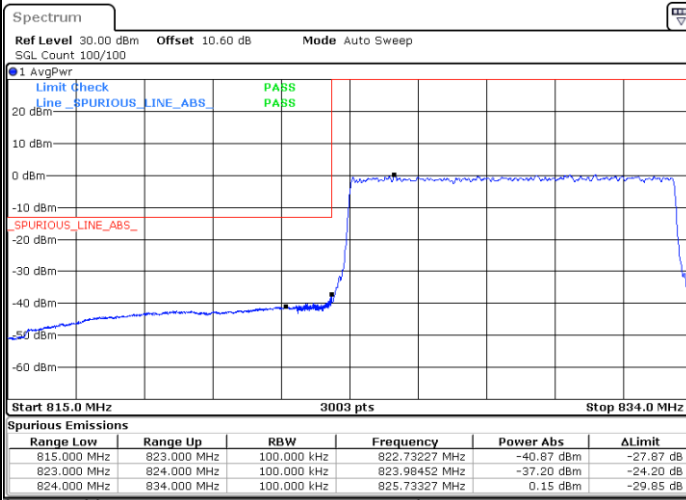
Date: 18.MAY.2021 14:35:04

Highest Band Edge / 1 RB



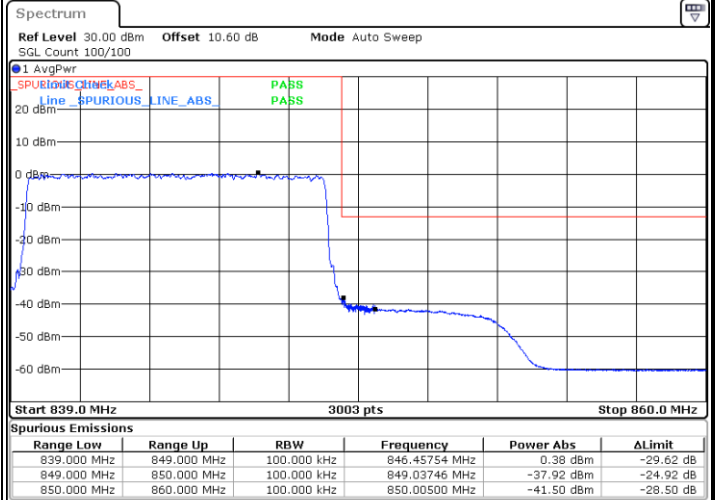
Date: 18.MAY.2021 14:39:30

Lowest Band Edge / Full RB



Date: 18.MAY.2021 14:36:56

Highest Band Edge / Full RB



Date: 18.MAY.2021 14:41:22



Conducted Spurious Emission

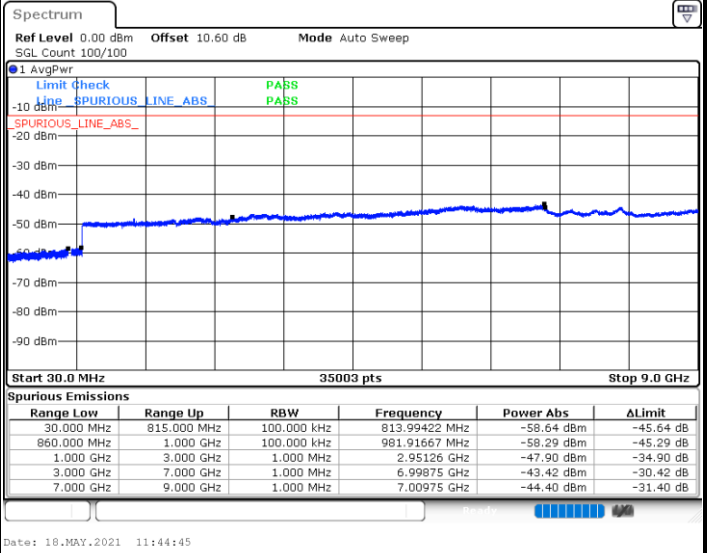
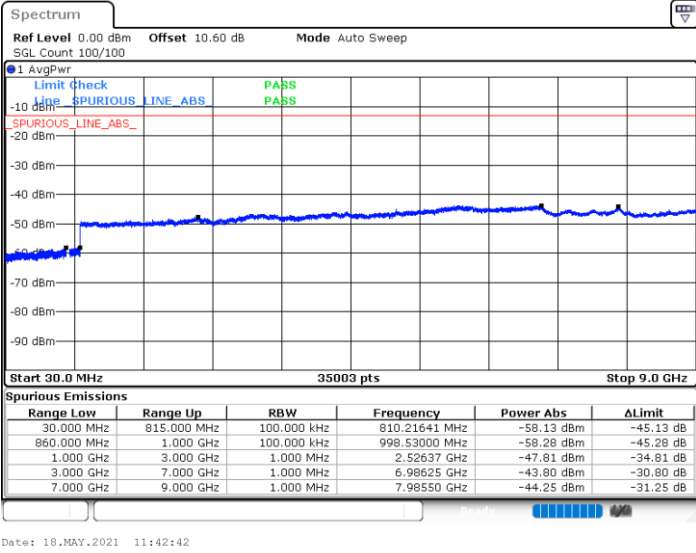




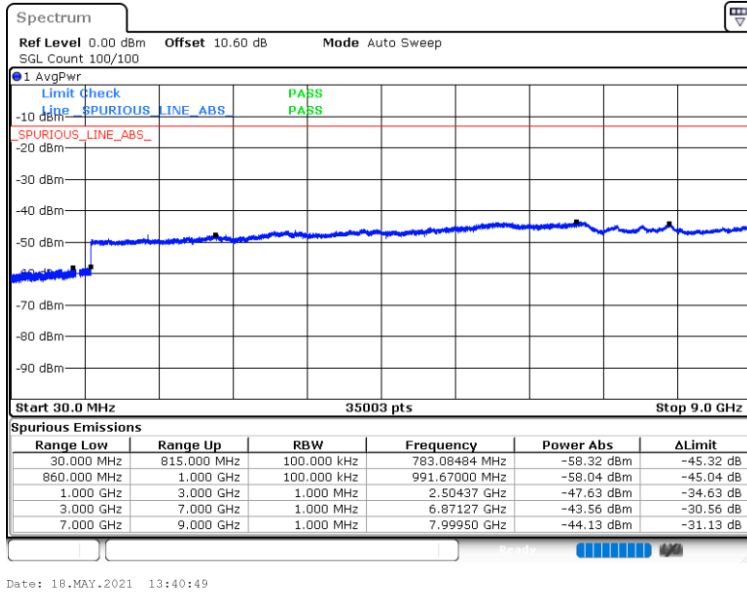
LTE Band 5 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

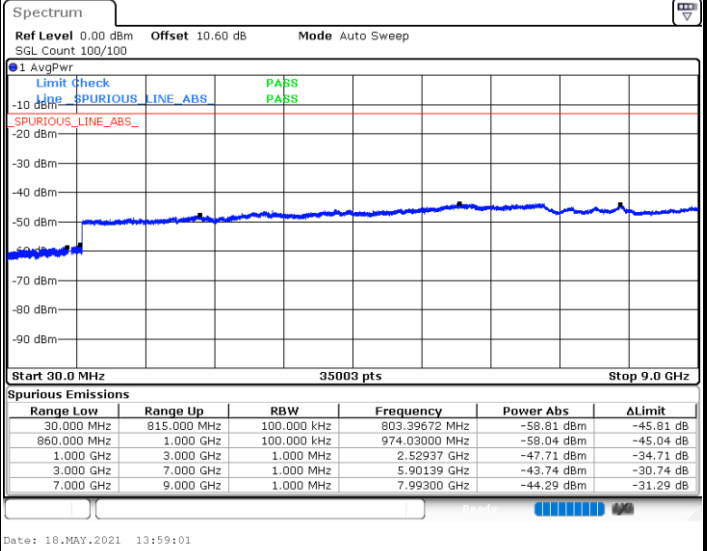
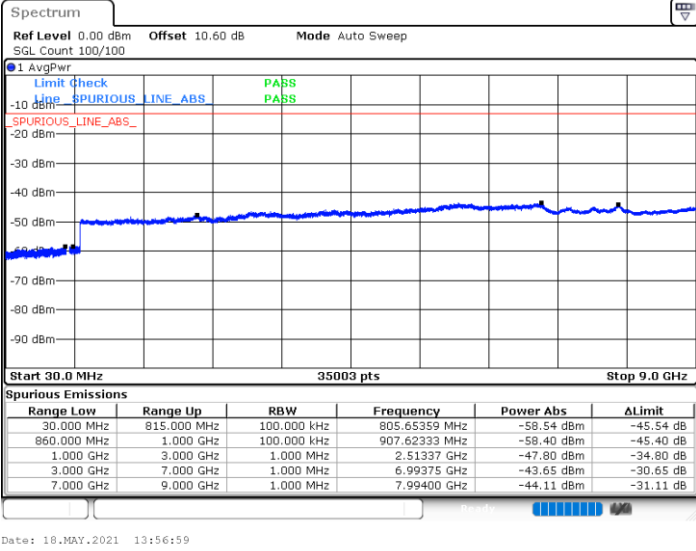




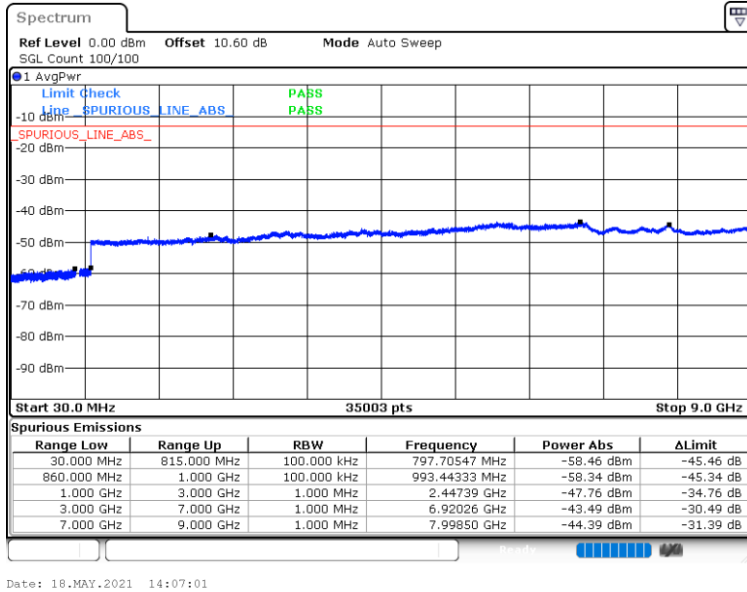
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

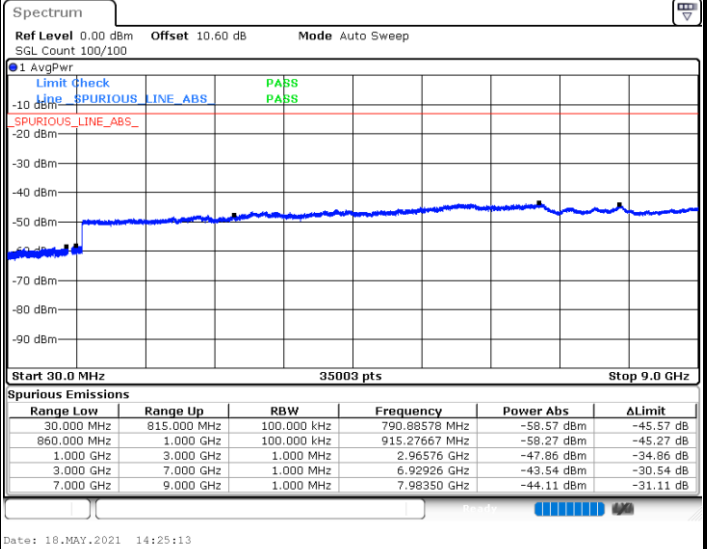
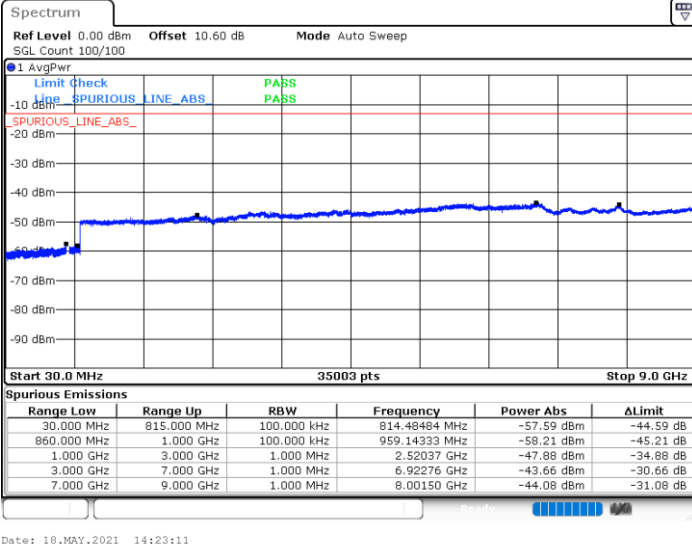




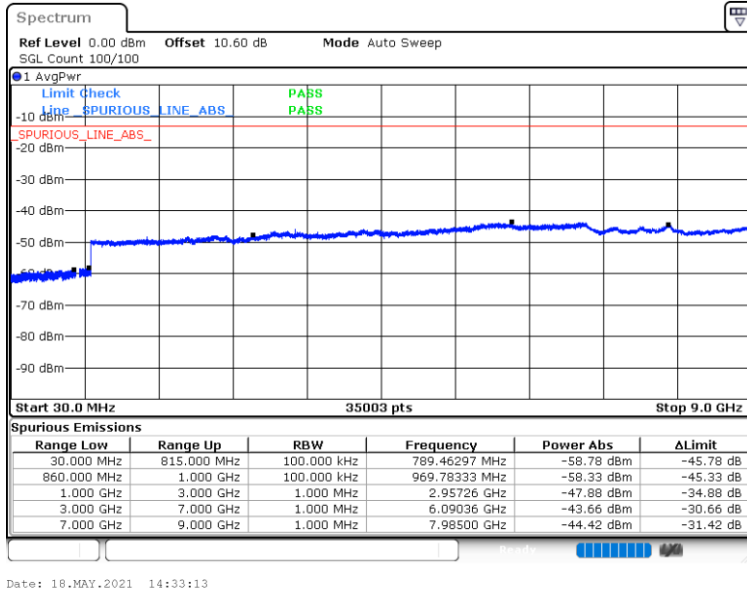
LTE Band 5 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0093	
30	Normal Voltage	0.0043	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0175	
-20	Normal Voltage	0.0109	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0090	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0073	

Note:

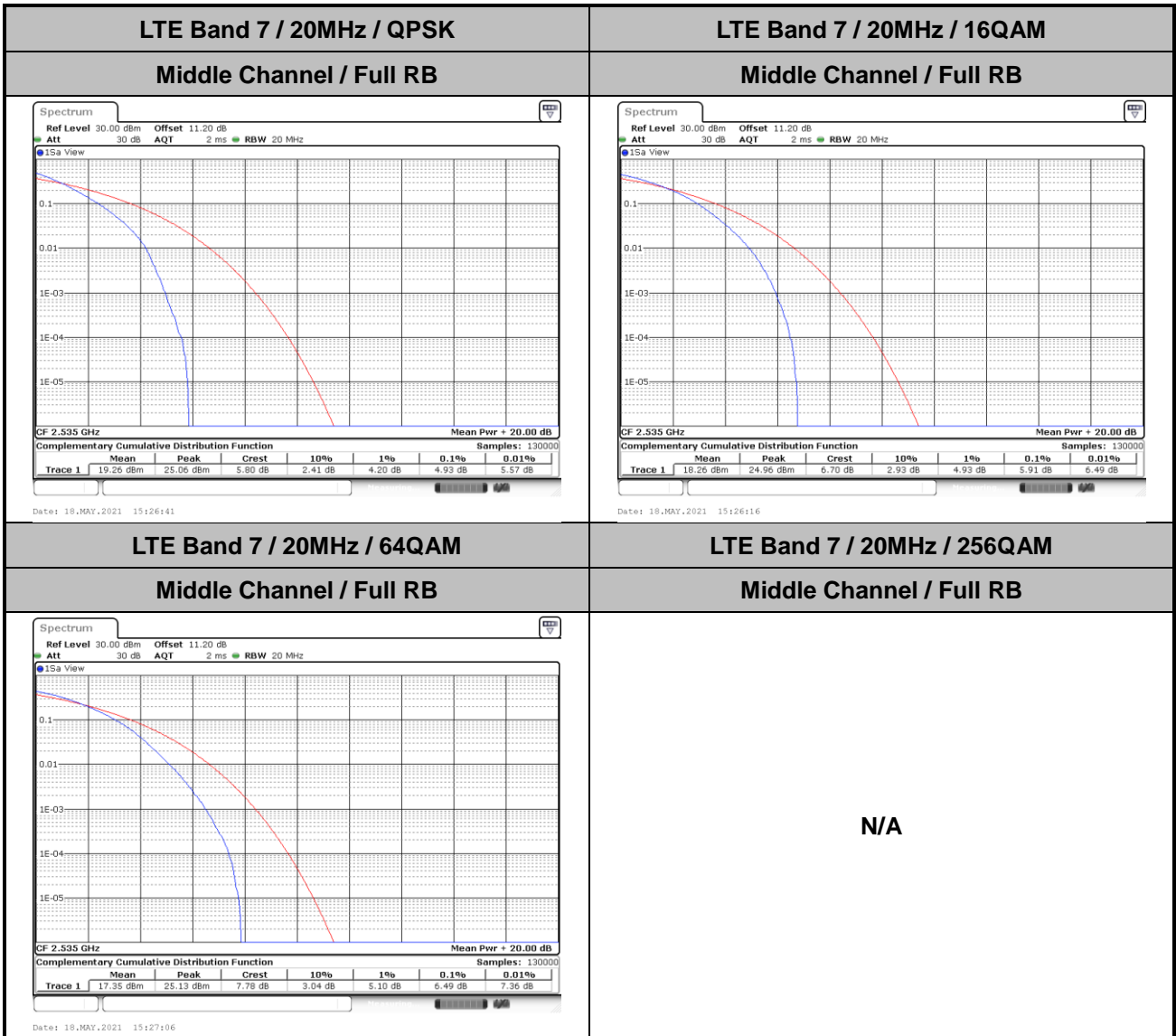
1. Normal Voltage =14 V. ; Battery End Point (BEP) =12 V. ; Maximum Voltage =16 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.93	5.91	6.49	-	PASS





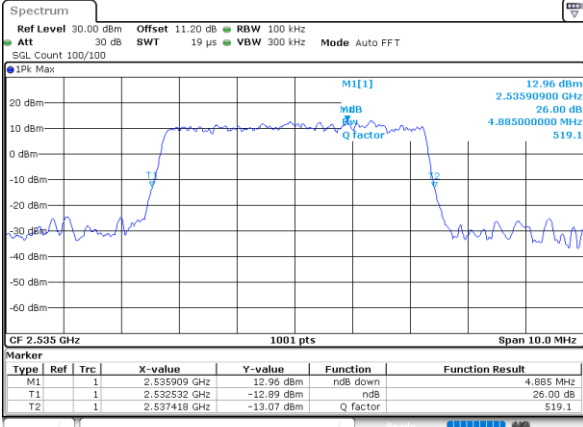
26dB Bandwidth

Mode	LTE Band 7 : 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	-	-	-	-	4.89	4.87	9.87	9.67	14.12	14.36	19.10	18.86
Mode	LTE Band 7 : 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	-	9.75	-	14.42	-	18.82	-



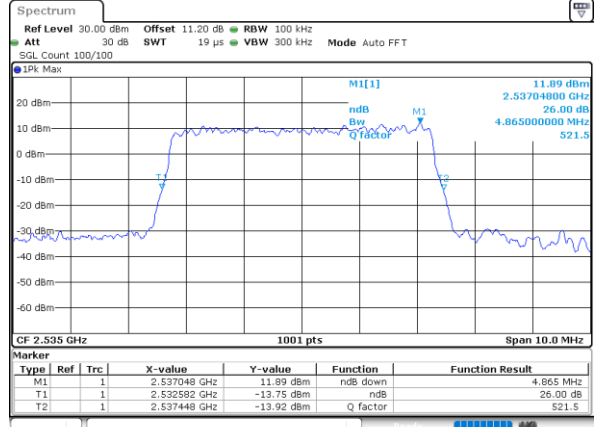
LTE Band 7

Middle Channel / 5MHz / QPSK



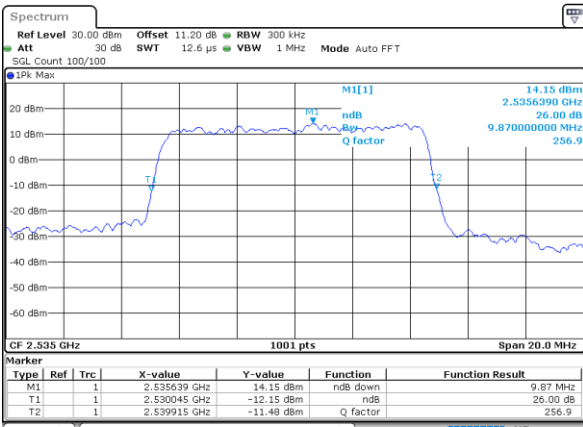
Date: 18.MAY.2021 14:47:40

Middle Channel / 5MHz / 16QAM



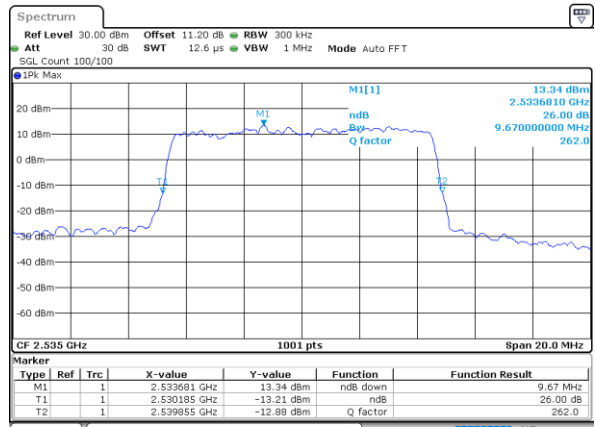
Date: 18.MAY.2021 14:48:01

Middle Channel / 10MHz / QPSK



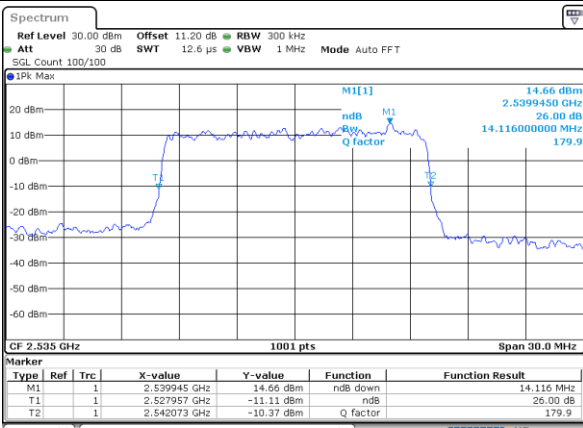
Date: 18.MAY.2021 14:58:10

Middle Channel / 10MHz / 16QAM



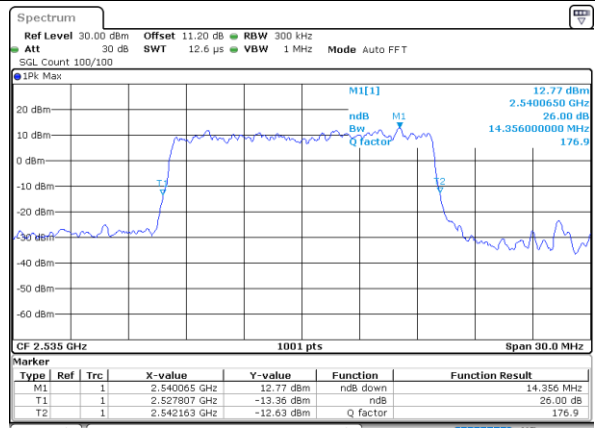
Date: 18.MAY.2021 14:58:31

Middle Channel / 15MHz / QPSK



Date: 18.MAY.2021 15:08:42

Middle Channel / 15MHz / 16QAM

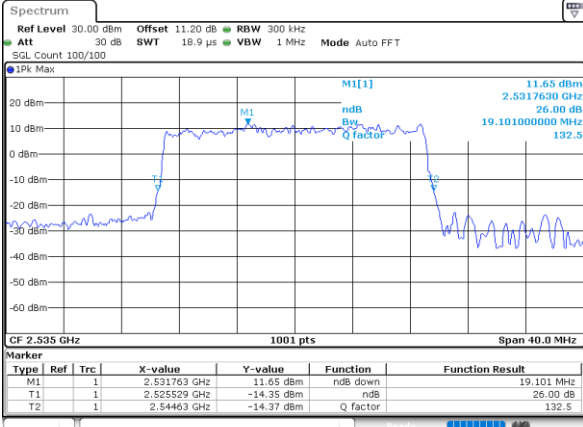


Date: 18.MAY.2021 15:09:03



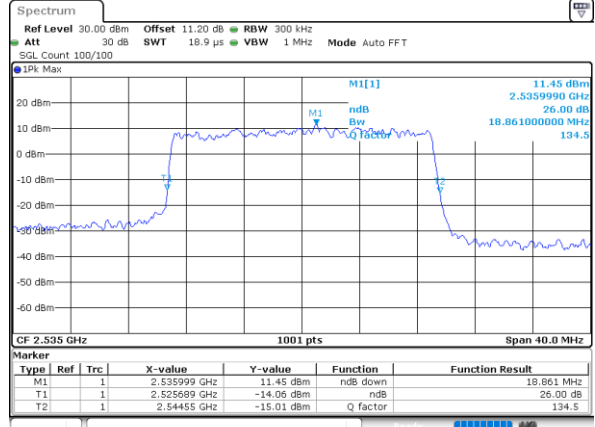
LTE Band 7

Middle Channel / 20MHz / QPSK



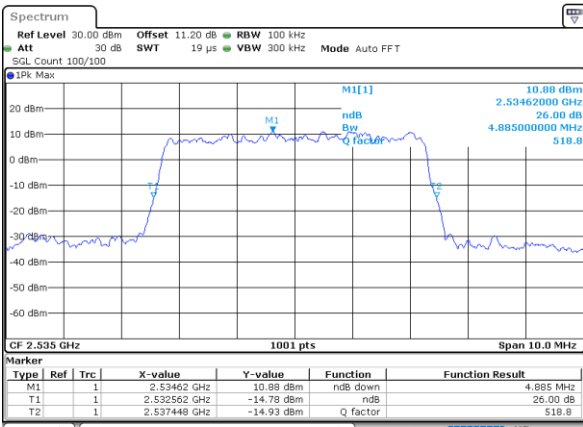
Date: 18.MAY.2021 15:19:17

Middle Channel / 20MHz / 16QAM



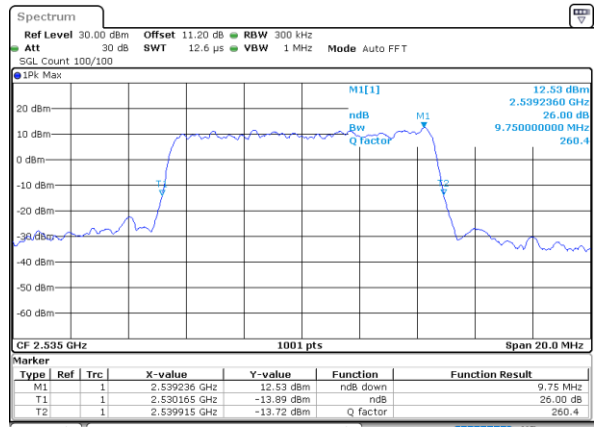
Date: 18.MAY.2021 15:19:38

Middle Channel / 5MHz / 64QAM



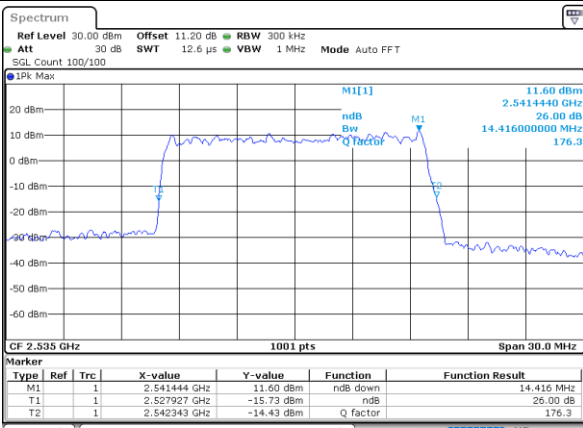
Date: 18.MAY.2021 14:53:25

Middle Channel / 10MHz / 64QAM



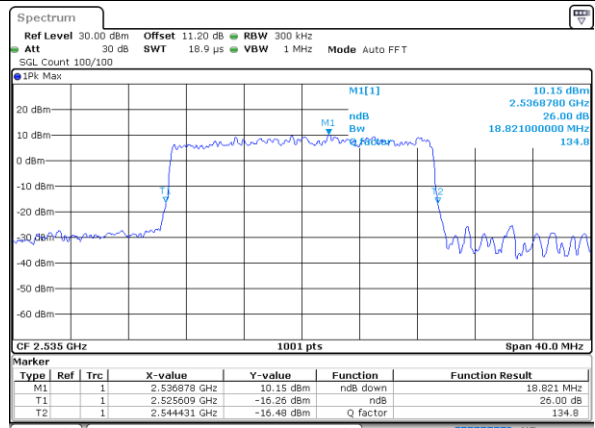
Date: 18.MAY.2021 15:03:54

Middle Channel / 15MHz / 64QAM



Date: 18.MAY.2021 15:14:27

Middle Channel / 20MHz / 64QAM



Date: 18.MAY.2021 15:25:01



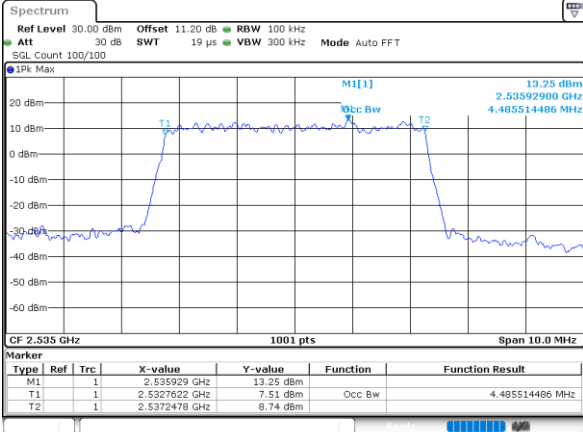
Occupied Bandwidth

Mode	LTE Band 7 : 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	-	-	-	-	4.49	4.50	9.07	9.05	13.40	13.43	17.90	17.86
Mode	LTE Band 7 : 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	-	-	-	-	4.47	-	9.05	-	13.46	-	17.82	-



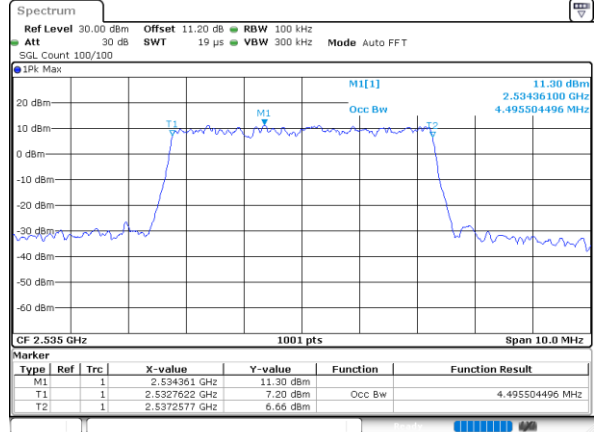
LTE Band 7

Middle Channel / 5MHz / QPSK



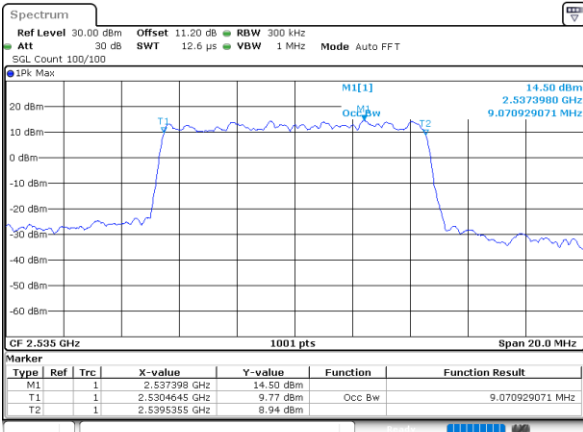
Date: 18.MAY.2021 14:46:55

Middle Channel / 5MHz / 16QAM



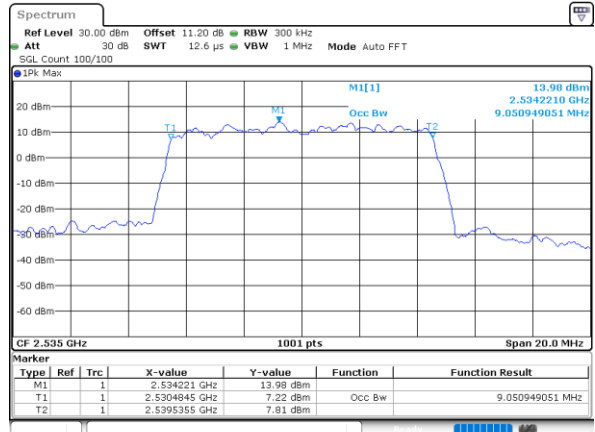
Date: 18.MAY.2021 14:47:18

Middle Channel / 10MHz / QPSK



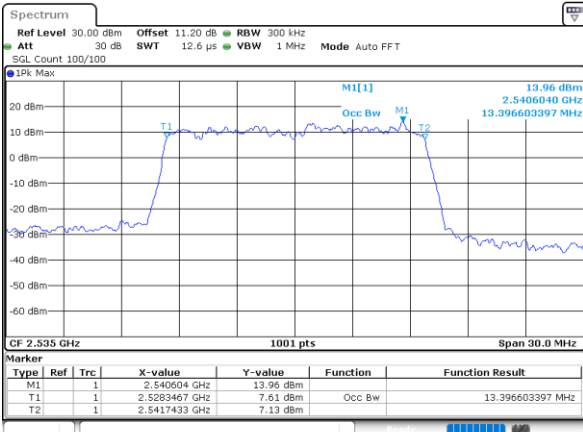
Date: 18.MAY.2021 14:57:25

Middle Channel / 10MHz / 16QAM



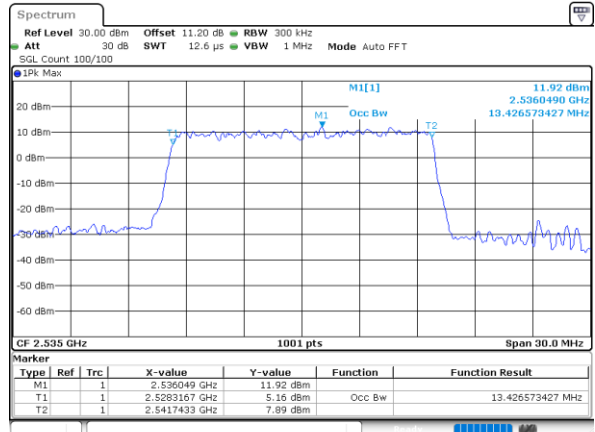
Date: 18.MAY.2021 14:57:48

Middle Channel / 15MHz / QPSK



Date: 18.MAY.2021 15:07:57

Middle Channel / 15MHz / 16QAM

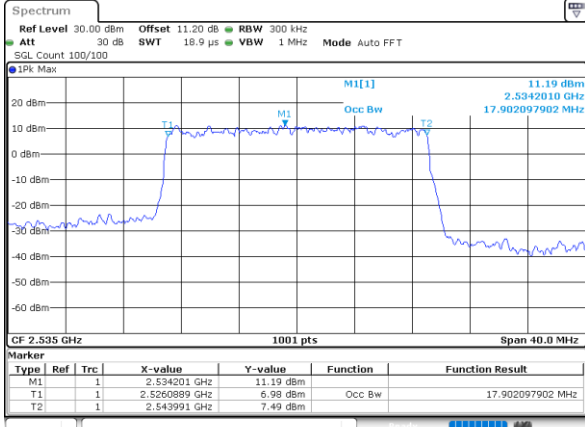


Date: 18.MAY.2021 15:08:20



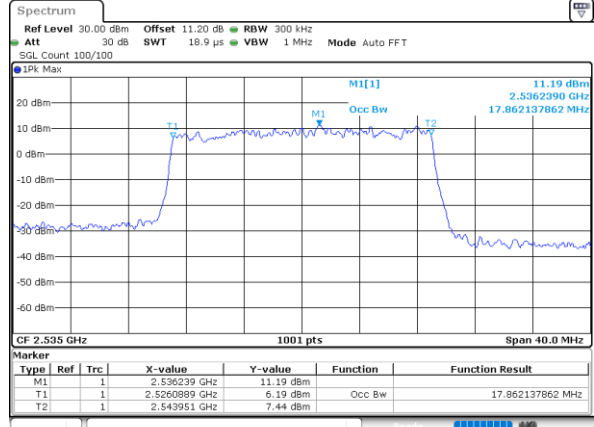
LTE Band 7

Middle Channel / 20MHz / QPSK



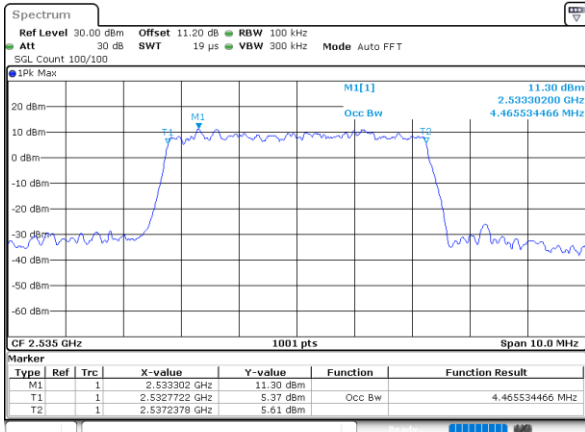
Date: 18.MAY.2021 15:18:32

Middle Channel / 20MHz / 16QAM



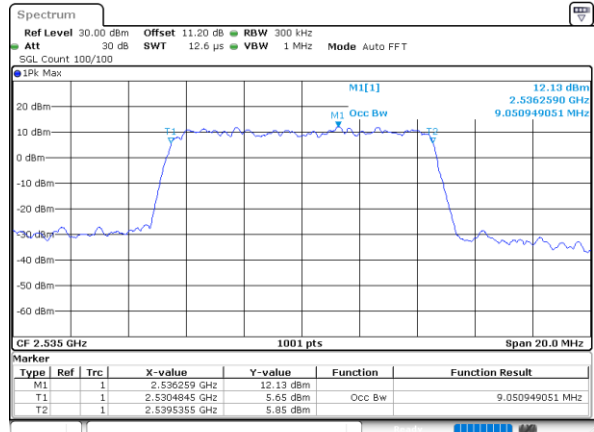
Date: 18.MAY.2021 15:18:54

Middle Channel / 5MHz / 64QAM



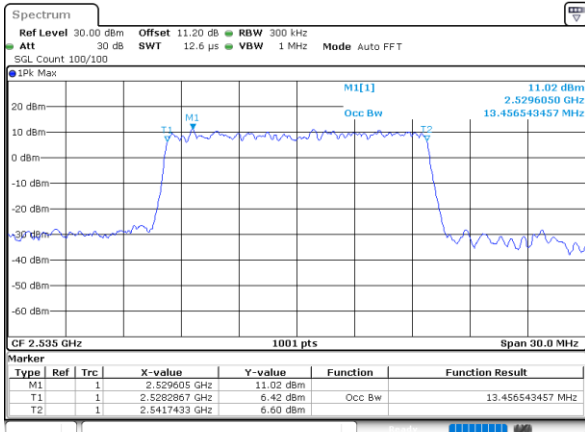
Date: 18.MAY.2021 14:53:03

Middle Channel / 10MHz / 64QAM



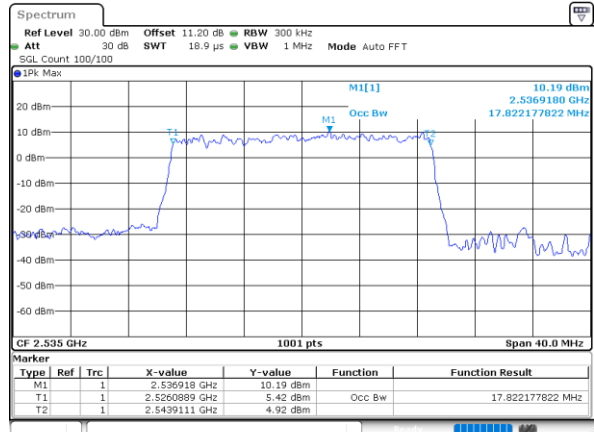
Date: 18.MAY.2021 15:03:32

Middle Channel / 15MHz / 64QAM



Date: 18.MAY.2021 15:14:05

Middle Channel / 20MHz / 64QAM



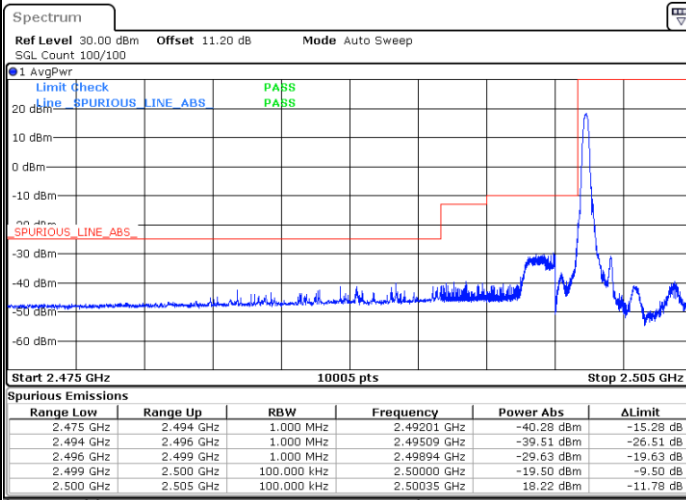
Date: 18.MAY.2021 15:24:38



Conducted Band Edge

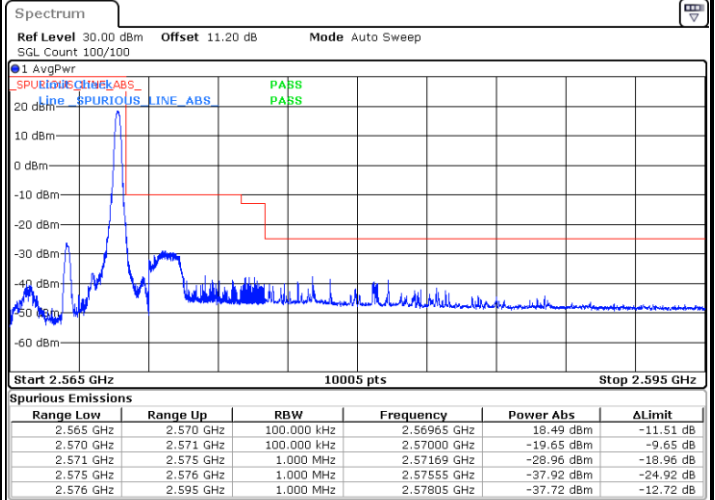
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



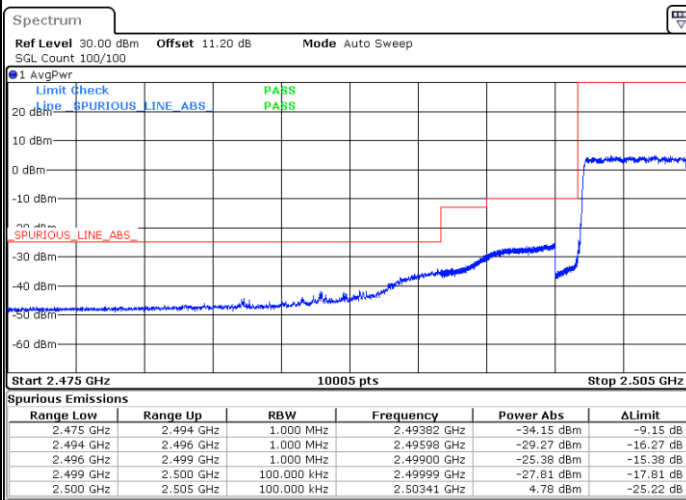
Date: 18.MAY.2021 14:44:11

Highest Band Edge / 1 RB



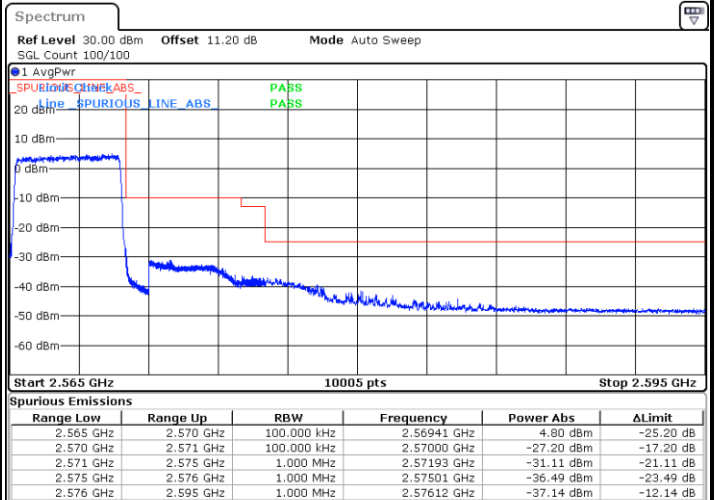
Date: 18.MAY.2021 14:49:26

Lowest Band Edge / Full RB



Date: 18.MAY.2021 14:45:06

Highest Band Edge / Full RB

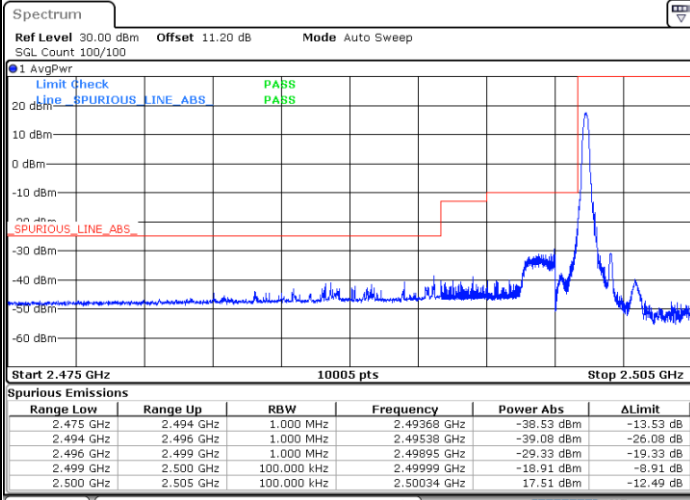


Date: 18.MAY.2021 14:50:19



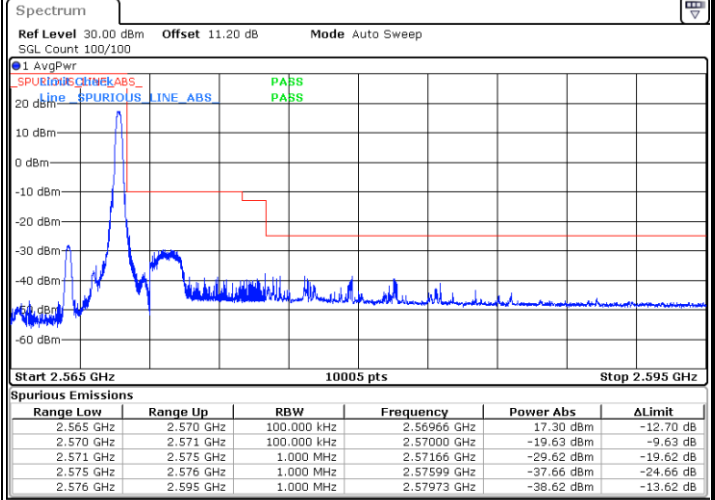
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



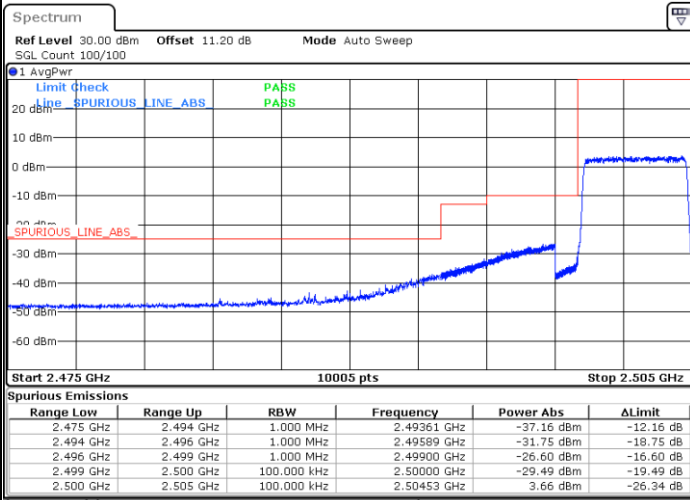
Date: 18.MAY.2021 14:44:38

Highest Band Edge / 1 RB



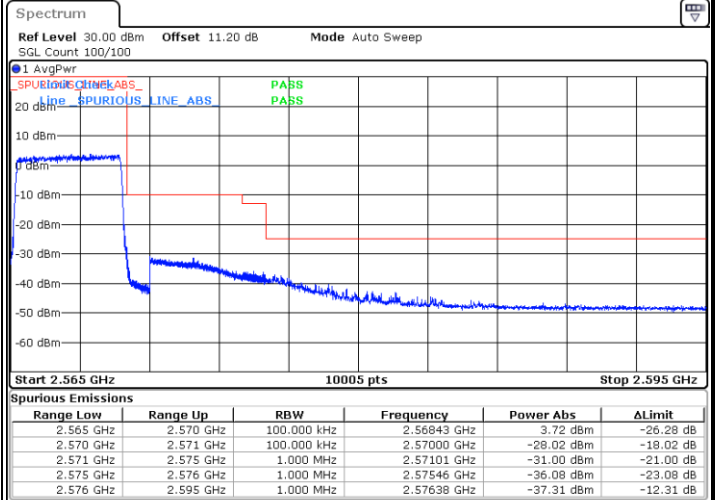
Date: 18.MAY.2021 14:49:52

Lowest Band Edge / Full RB



Date: 18.MAY.2021 14:45:33

Highest Band Edge / Full RB

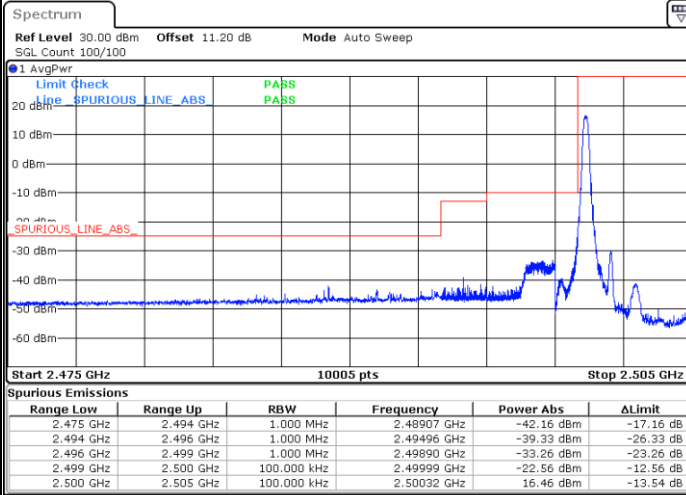


Date: 18.MAY.2021 14:50:46



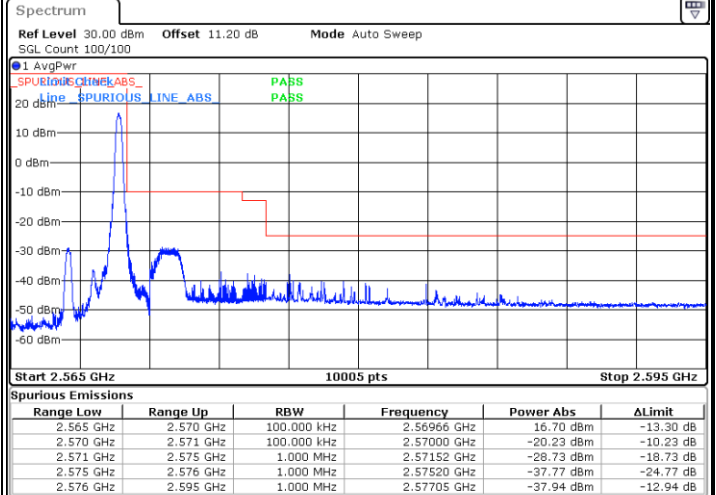
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



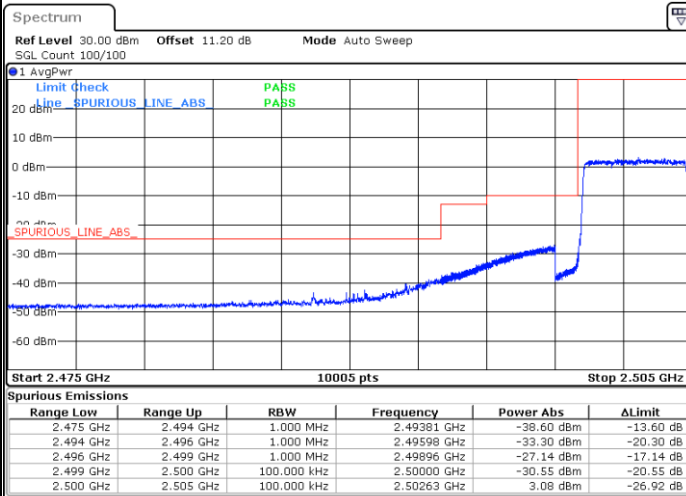
Date: 18.MAY.2021 14:52:13

Highest Band Edge / 1 RB



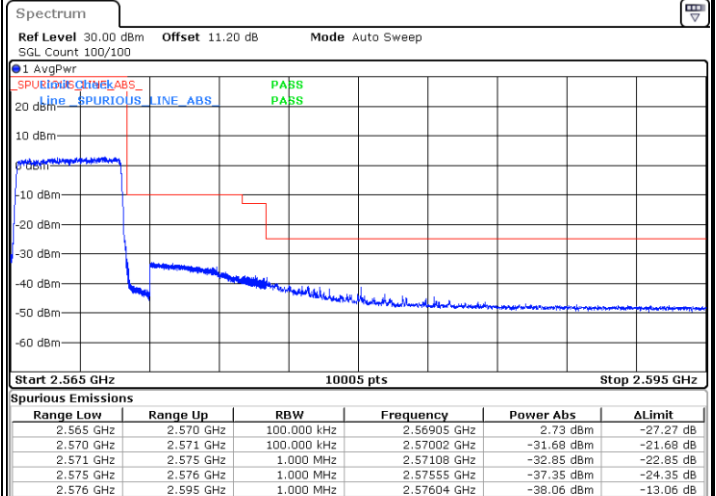
Date: 18.MAY.2021 14:53:51

Lowest Band Edge / Full RB



Date: 18.MAY.2021 14:52:40

Highest Band Edge / Full RB

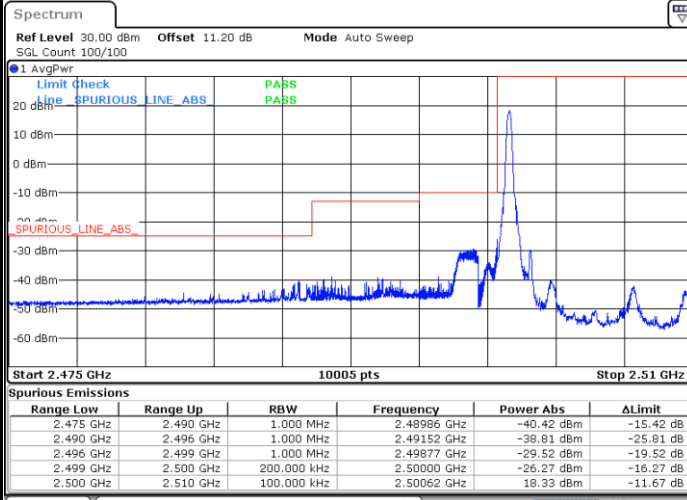


Date: 18.MAY.2021 14:54:16



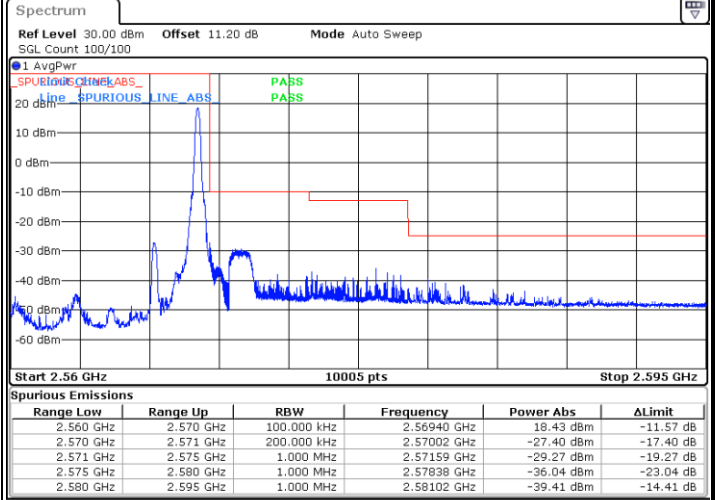
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



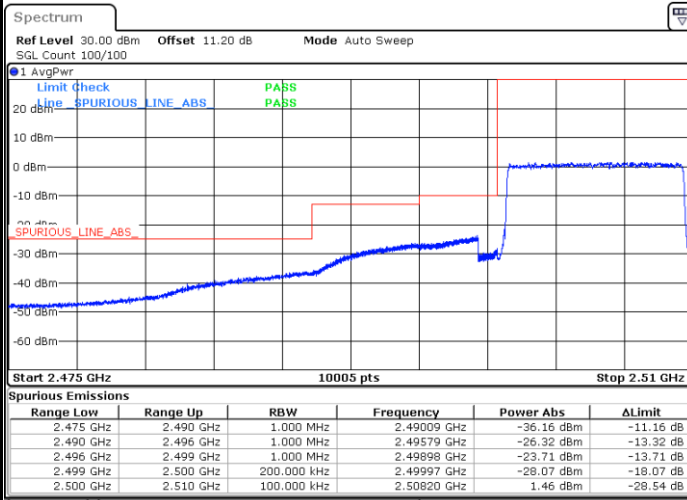
Date: 18.MAY.2021 14:54:43

Highest Band Edge / 1 RB



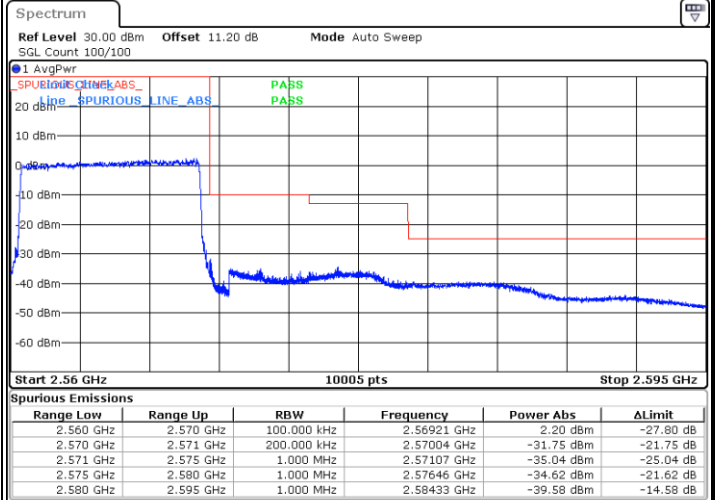
Date: 18.MAY.2021 14:59:56

Lowest Band Edge / Full RB



Date: 18.MAY.2021 14:55:37

Highest Band Edge / Full RB

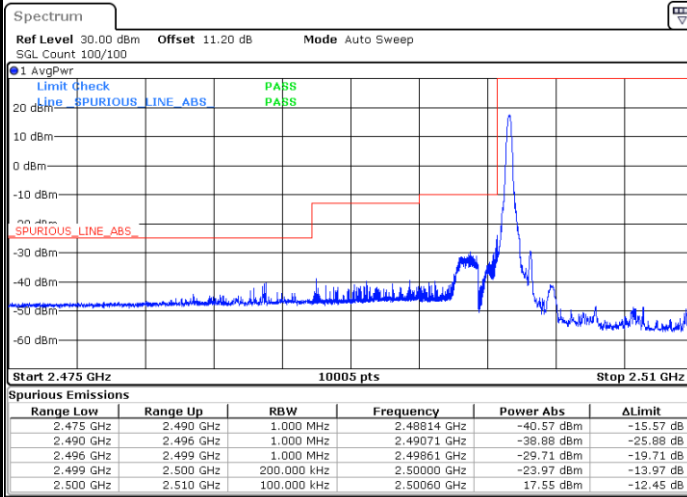


Date: 18.MAY.2021 15:00:49



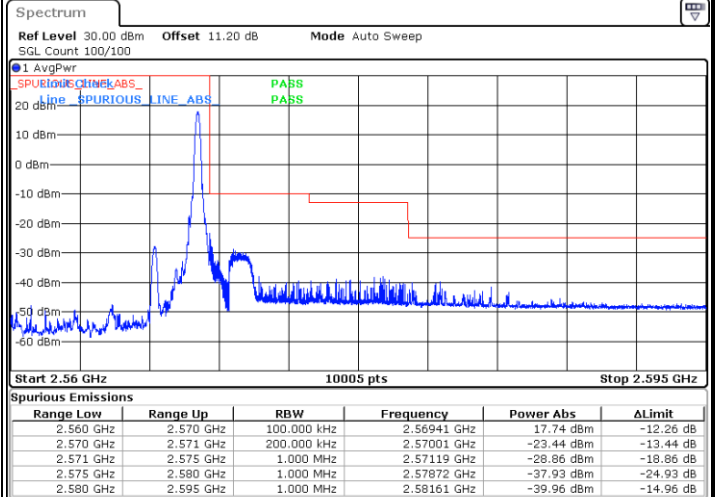
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



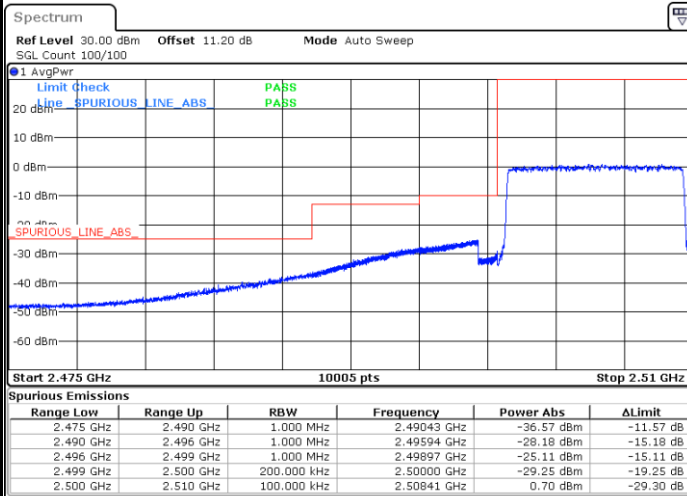
Date: 18.MAY.2021 14:55:10

Highest Band Edge / 1 RB



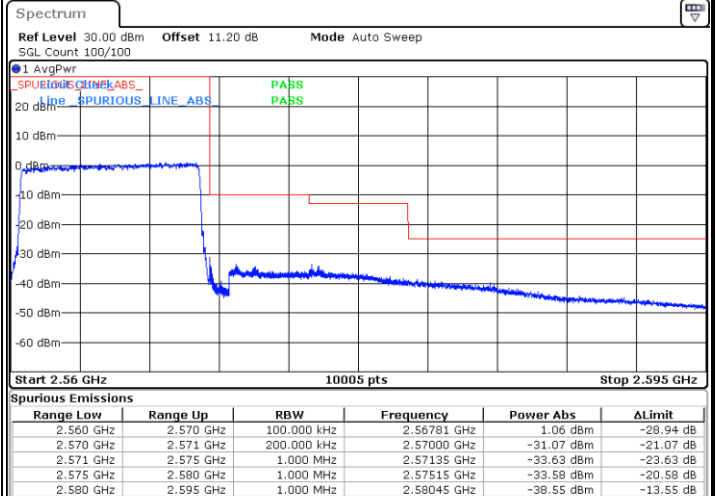
Date: 18.MAY.2021 15:00:23

Lowest Band Edge / Full RB



Date: 18.MAY.2021 14:56:03

Highest Band Edge / Full RB

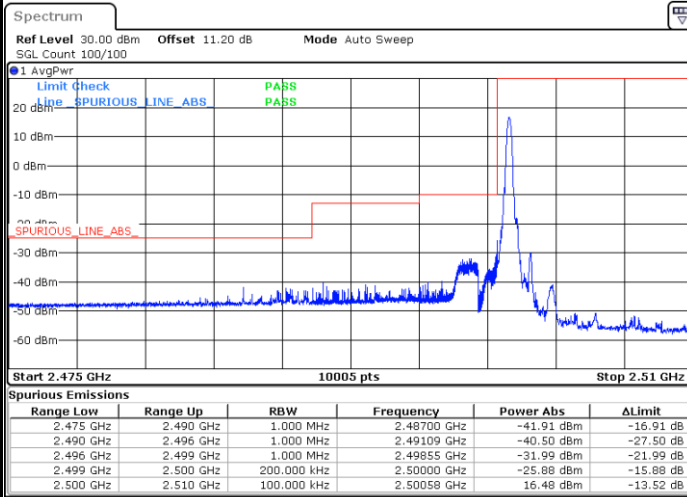


Date: 18.MAY.2021 15:01:16



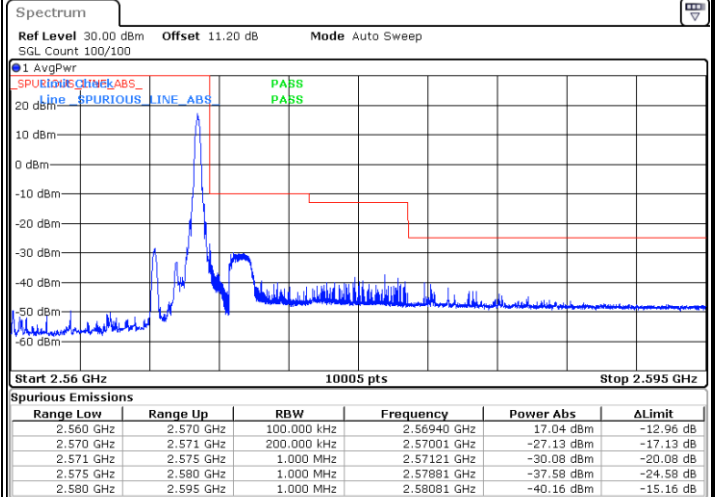
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



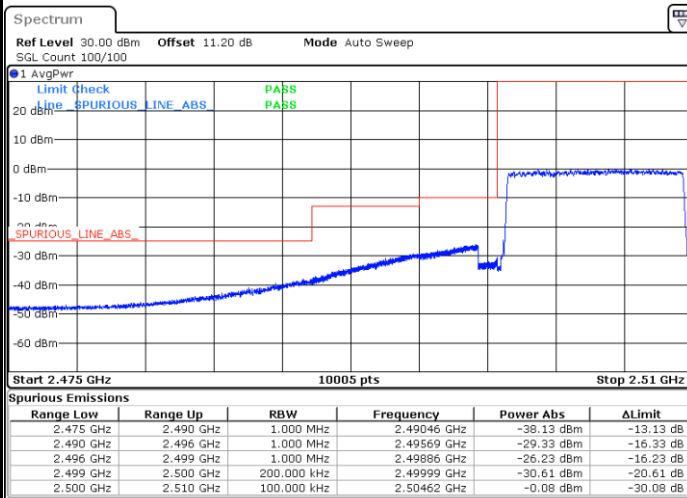
Date: 18.MAY.2021 15:02:42

Highest Band Edge / 1 RB



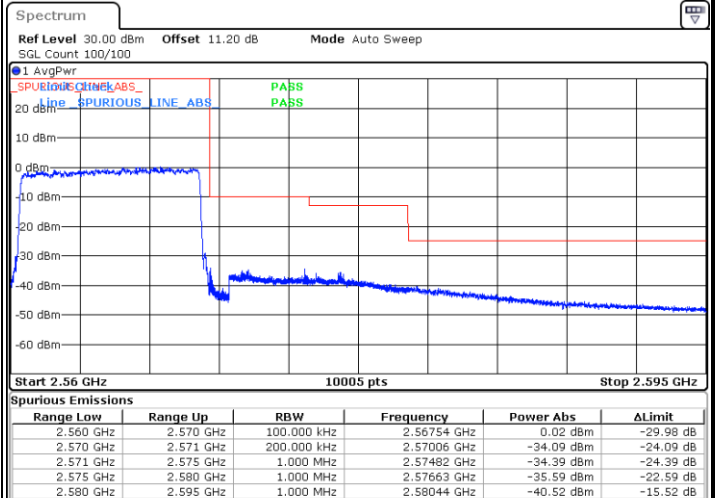
Date: 18.MAY.2021 15:04:19

Lowest Band Edge / Full RB



Date: 18.MAY.2021 15:03:09

Highest Band Edge / Full RB



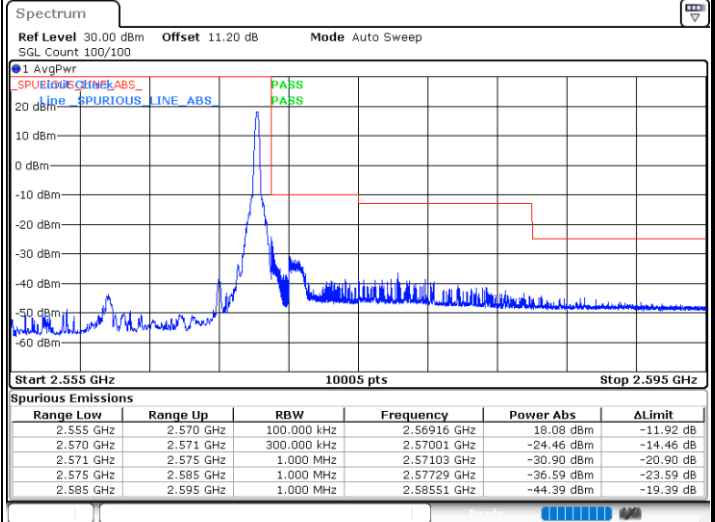
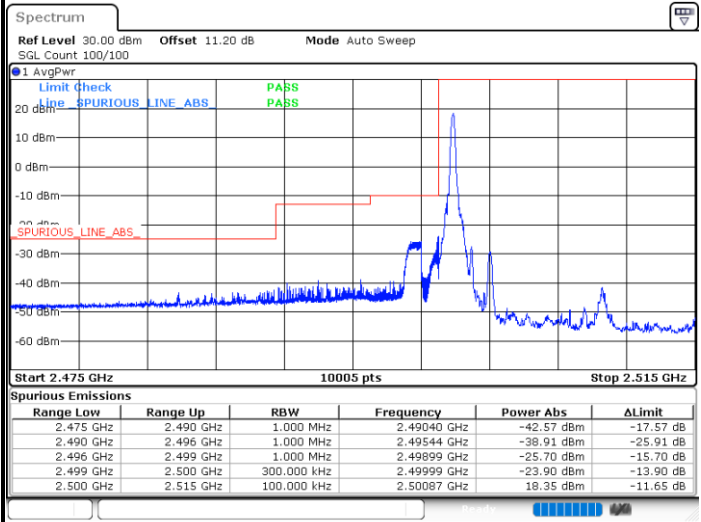
Date: 18.MAY.2021 15:04:46



LTE Band 7 / 15MHz / QPSK

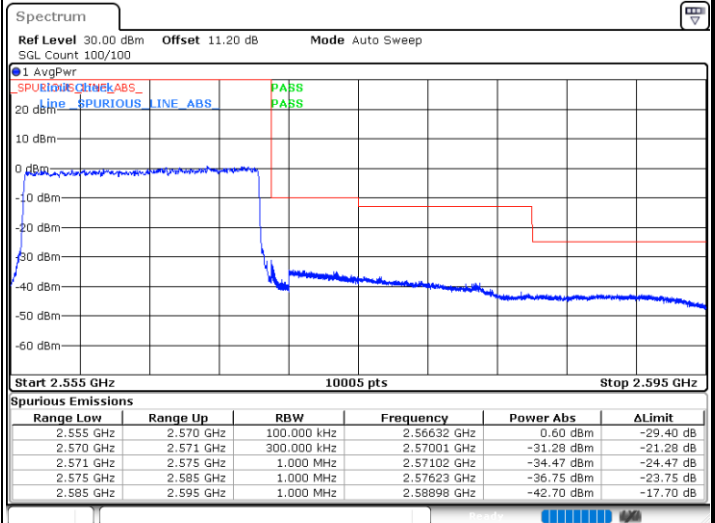
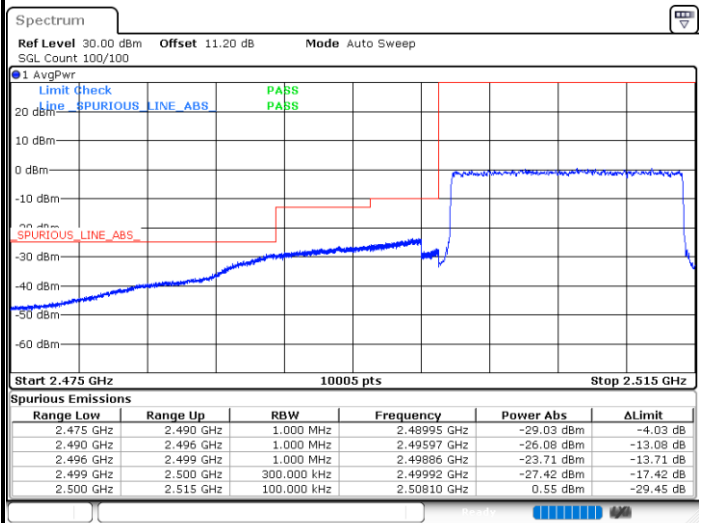
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

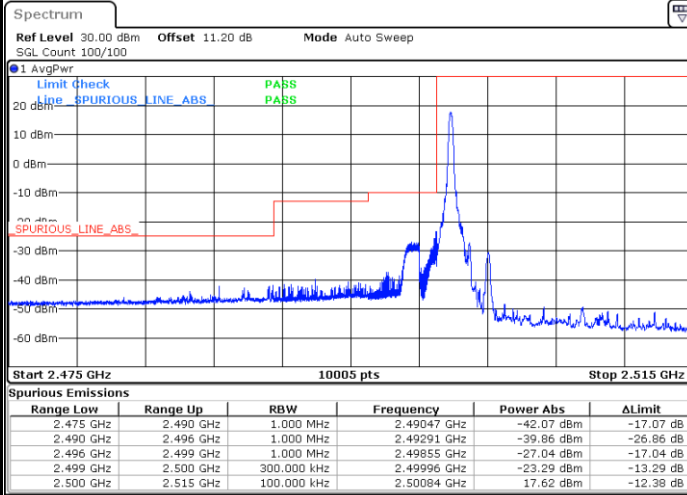
Highest Band Edge / Full RB





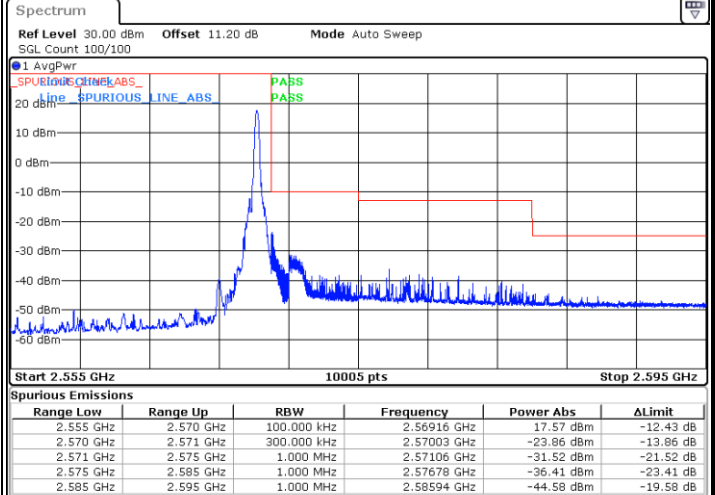
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



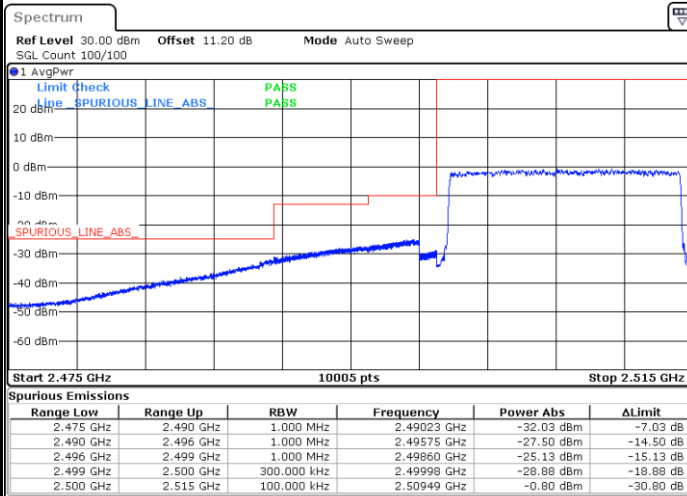
Date: 18.MAY.2021 15:05:41

Highest Band Edge / 1 RB



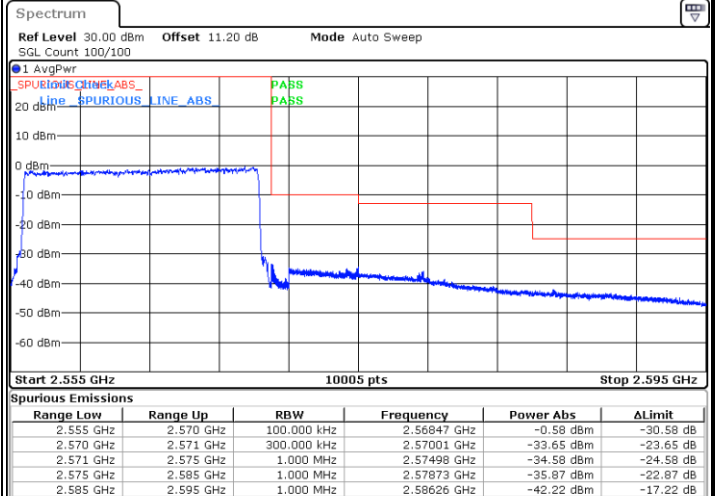
Date: 18.MAY.2021 15:10:55

Lowest Band Edge / Full RB



Date: 18.MAY.2021 15:06:35

Highest Band Edge / Full RB

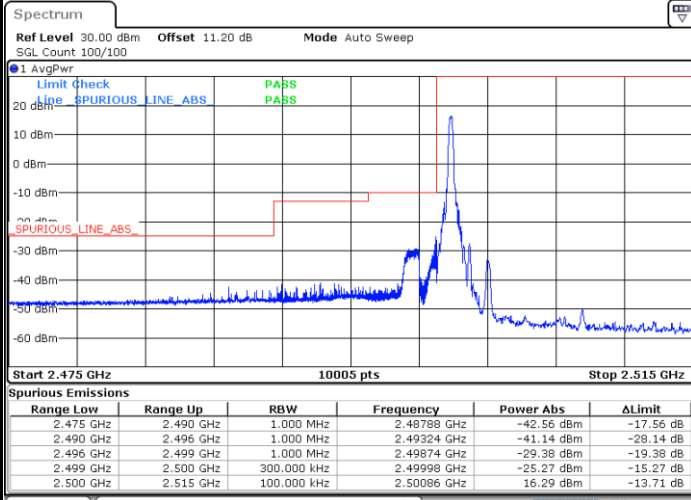


Date: 18.MAY.2021 15:11:48



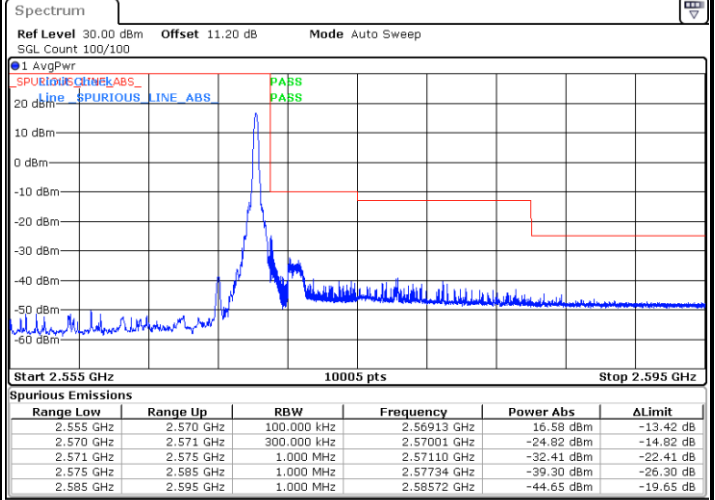
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



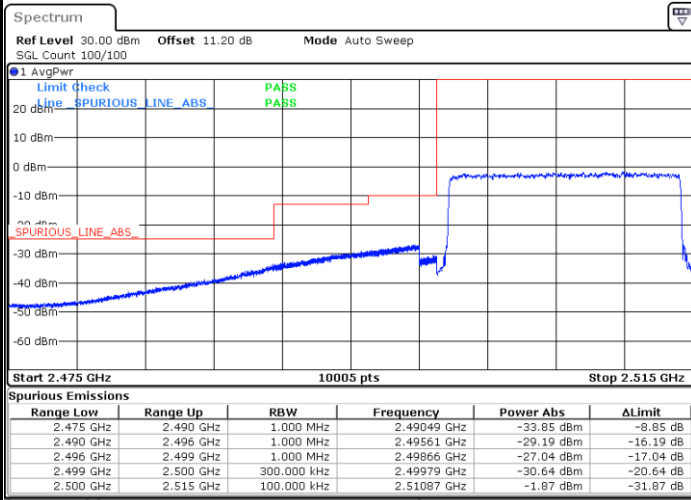
Date: 18.MAY.2021 15:13:15

Highest Band Edge / 1 RB



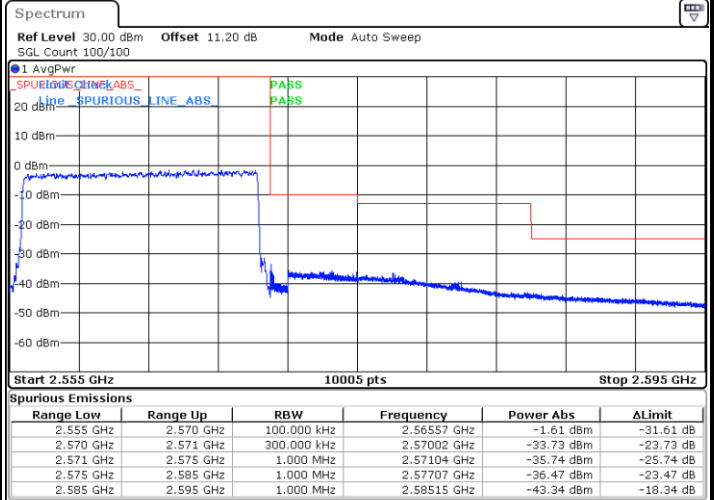
Date: 18.MAY.2021 15:14:53

Lowest Band Edge / Full RB



Date: 18.MAY.2021 15:13:43

Highest Band Edge / Full RB

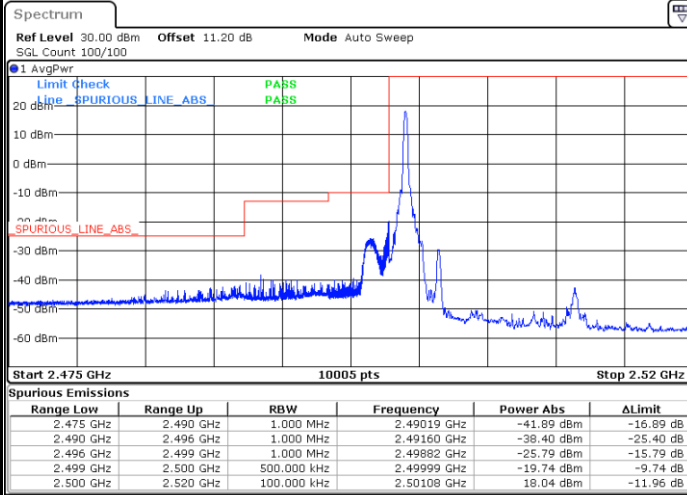


Date: 18.MAY.2021 15:15:19



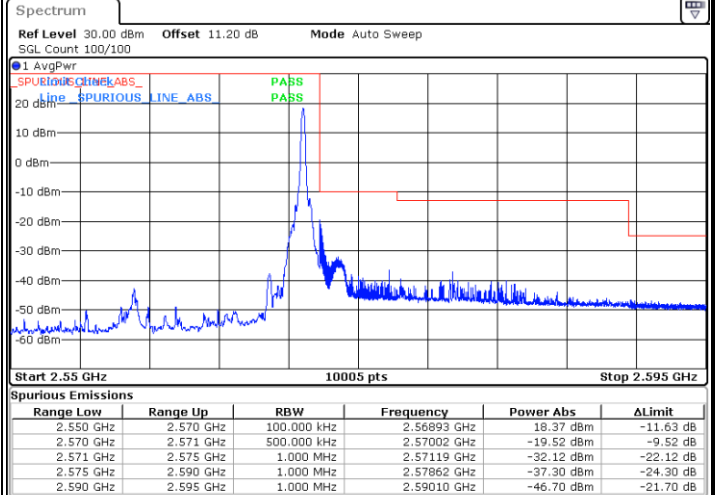
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



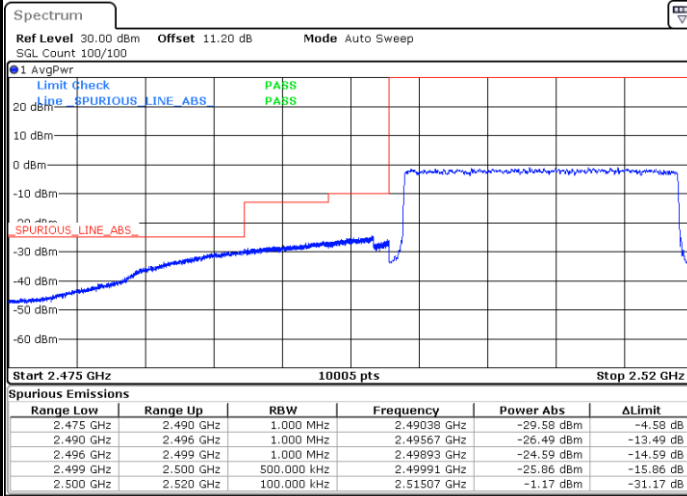
Date: 18.MAY.2021 15:15:47

Highest Band Edge / 1 RB



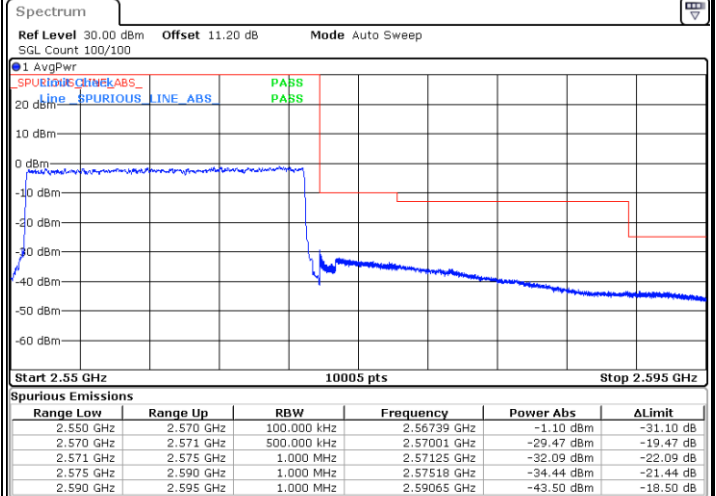
Date: 18.MAY.2021 15:21:02

Lowest Band Edge / Full RB



Date: 18.MAY.2021 15:16:42

Highest Band Edge / Full RB

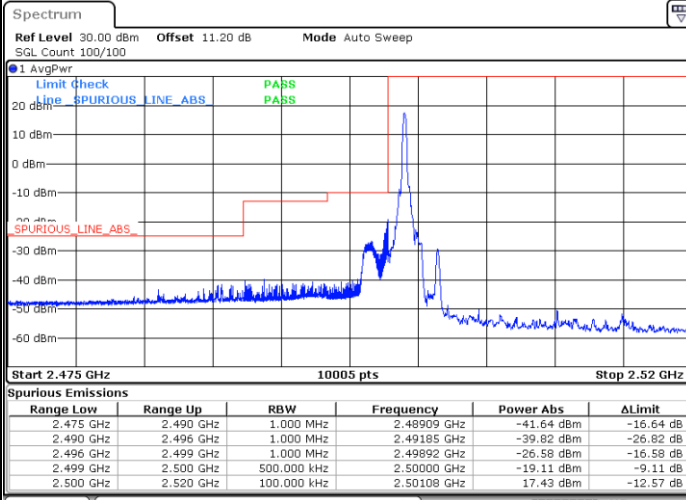


Date: 18.MAY.2021 15:22:23



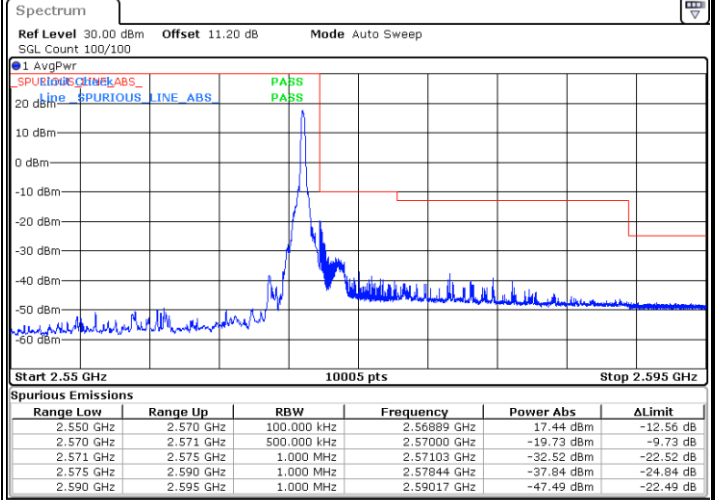
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



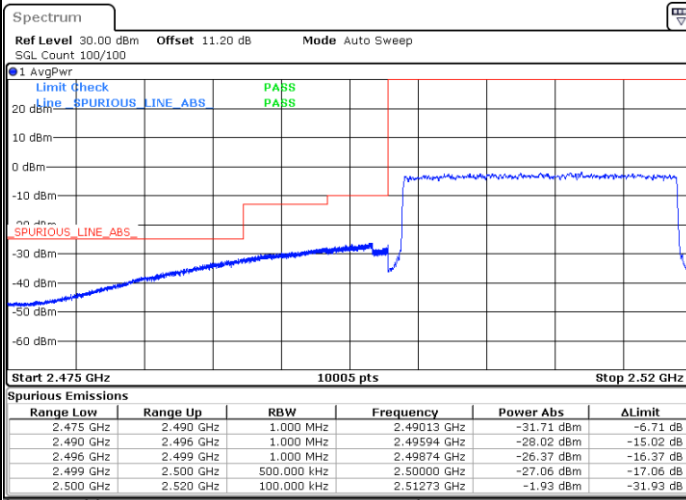
Date: 18.MAY.2021 15:16:14

Highest Band Edge / 1 RB



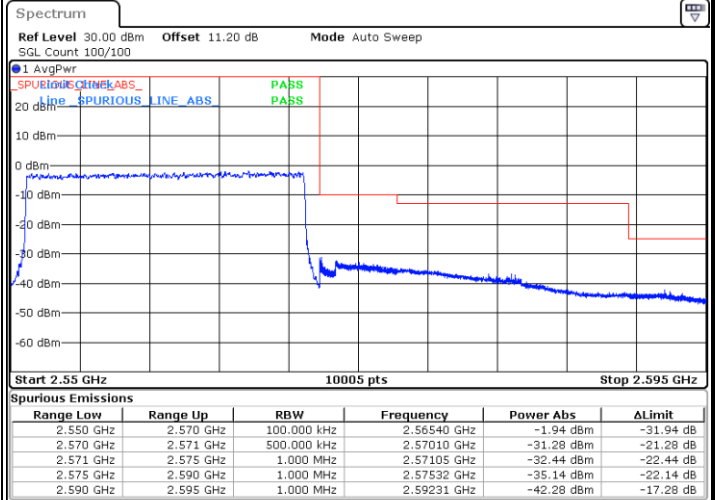
Date: 18.MAY.2021 15:21:29

Lowest Band Edge / Full RB



Date: 18.MAY.2021 15:17:09

Highest Band Edge / Full RB



Date: 18.MAY.2021 15:21:56