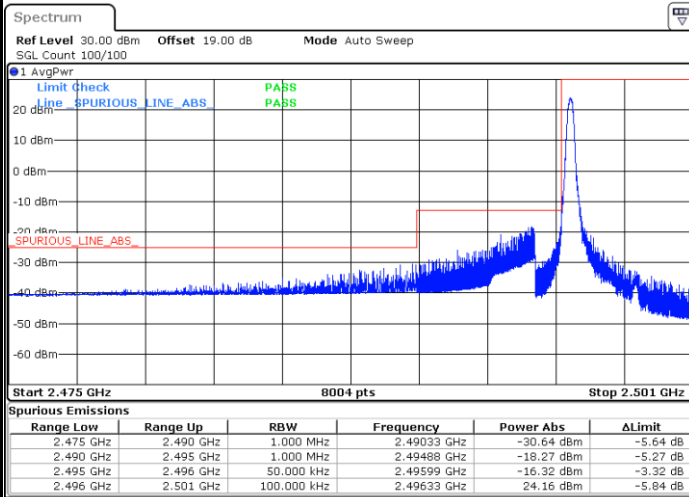




Conducted Band Edge

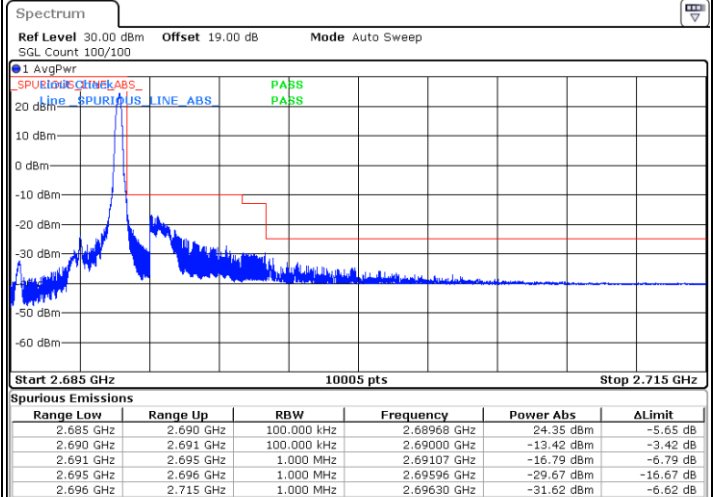
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



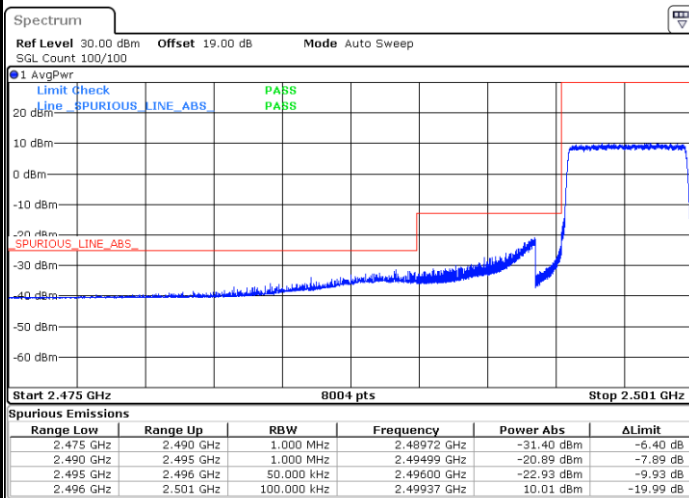
Date: 6 SEP 2023 10:50:44

Highest Band Edge / 1 RB



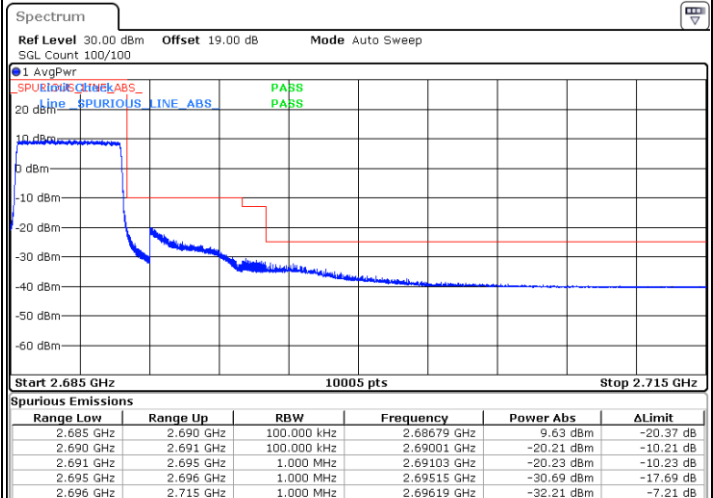
Date: 6 SEP 2023 11:01:39

Lowest Band Edge / Full RB



Date: 6 SEP 2023 10:56:29

Highest Band Edge / Full RB

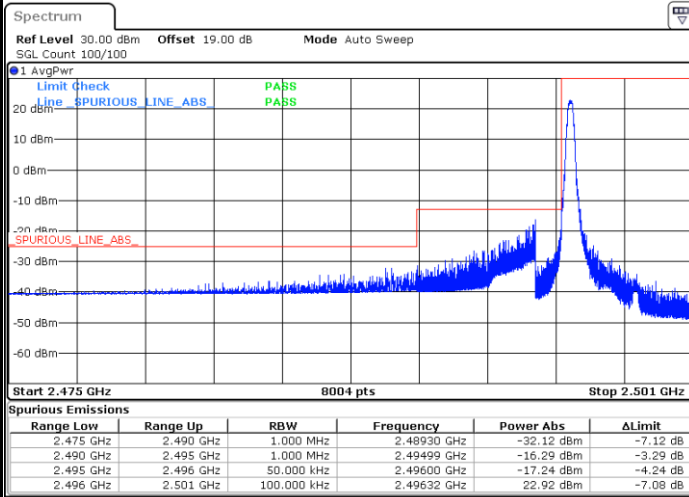


Date: 6 SEP 2023 11:07:22



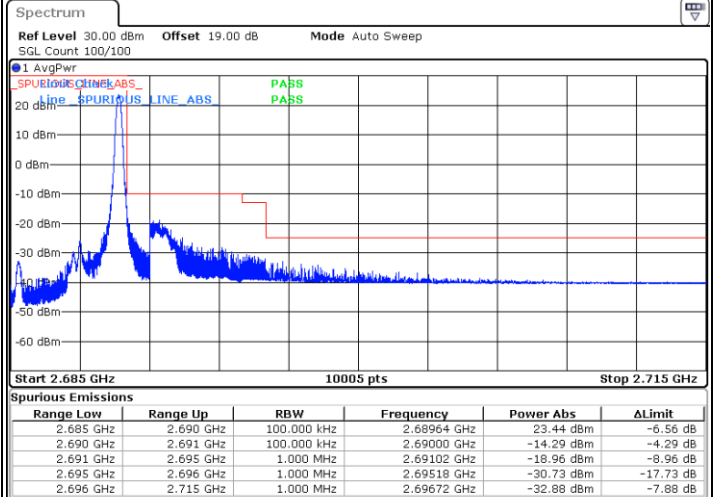
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



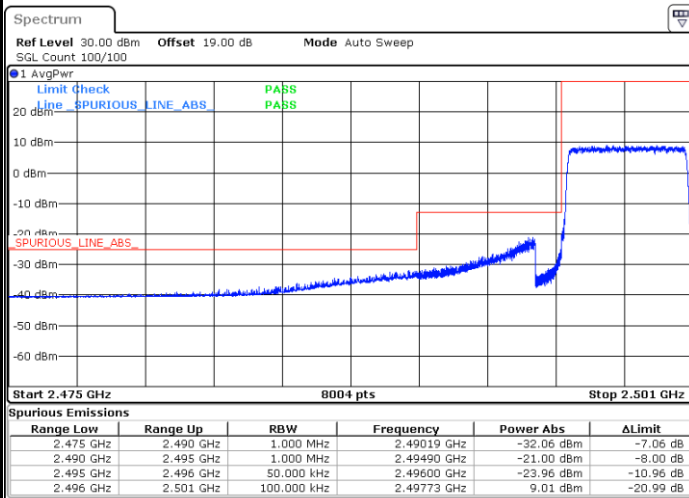
Date: 6 SEP 2023 10:51:53

Highest Band Edge / 1 RB



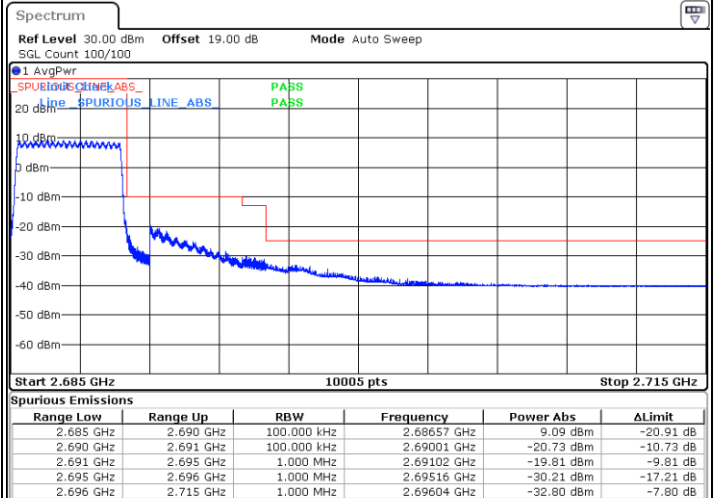
Date: 6 SEP 2023 11:02:47

Lowest Band Edge / Full RB



Date: 6 SEP 2023 10:55:20

Highest Band Edge / Full RB

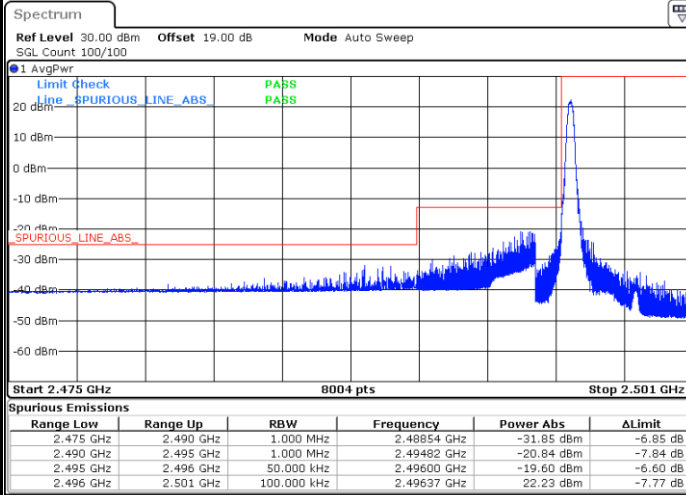


Date: 6 SEP 2023 11:06:13



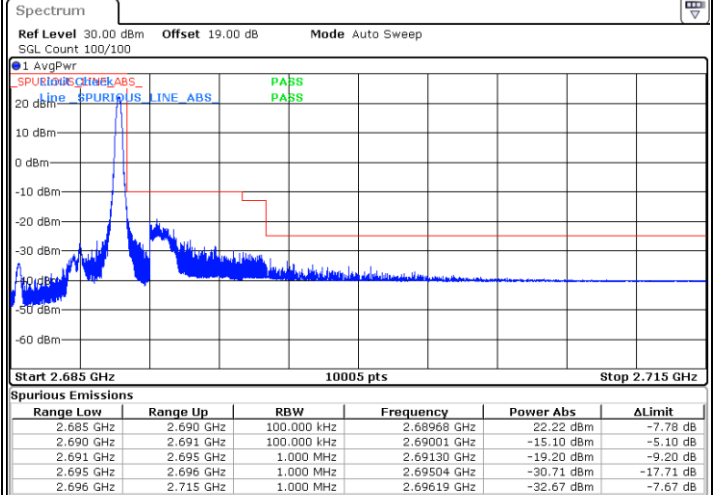
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



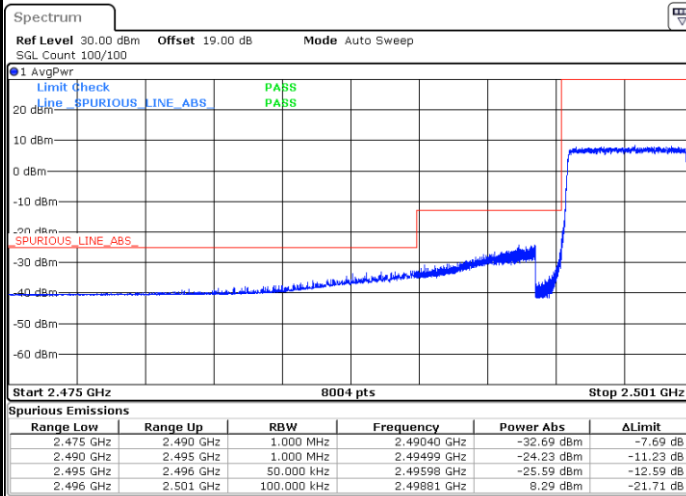
Date: 6 SEP 2023 10:53:02

Highest Band Edge / 1 RB



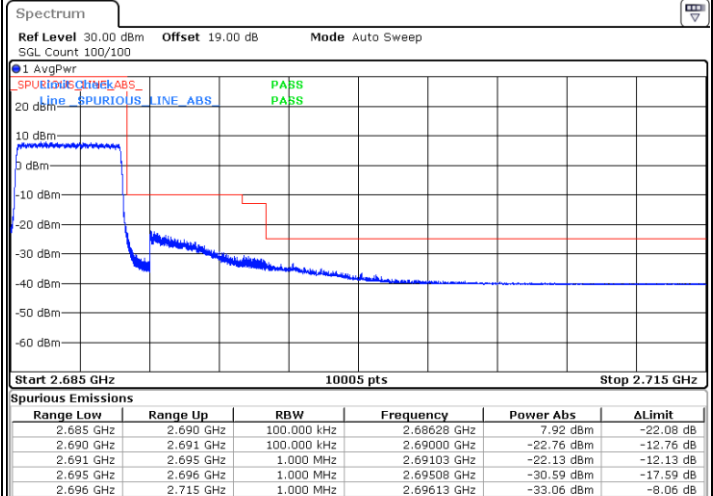
Date: 6 SEP 2023 11:03:56

Lowest Band Edge / Full RB



Date: 6 SEP 2023 10:54:11

Highest Band Edge / Full RB

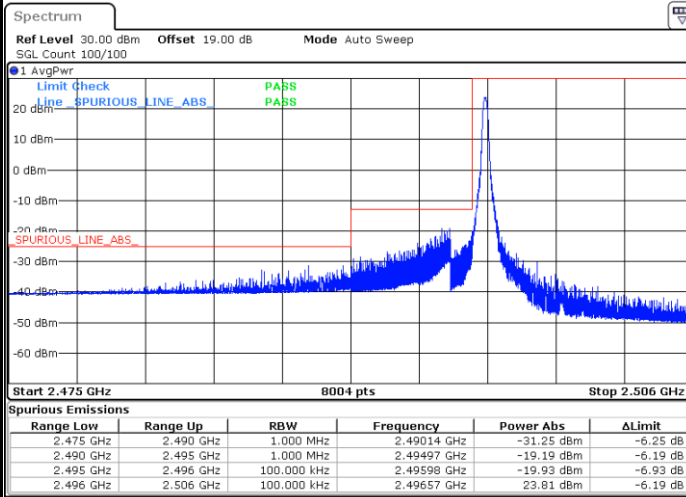


Date: 6 SEP 2023 11:05:05



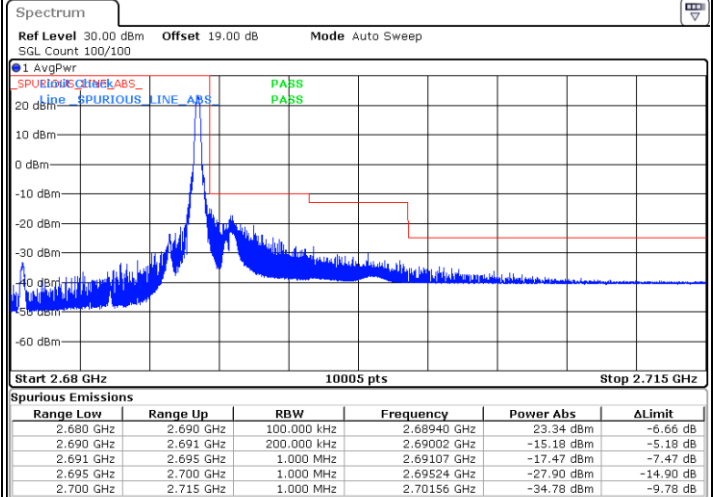
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



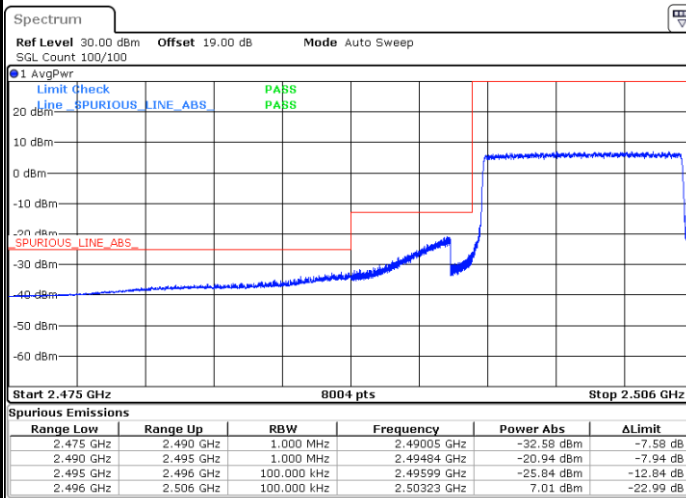
Date: 6 SEP 2023 11:11:43

Highest Band Edge / 1 RB



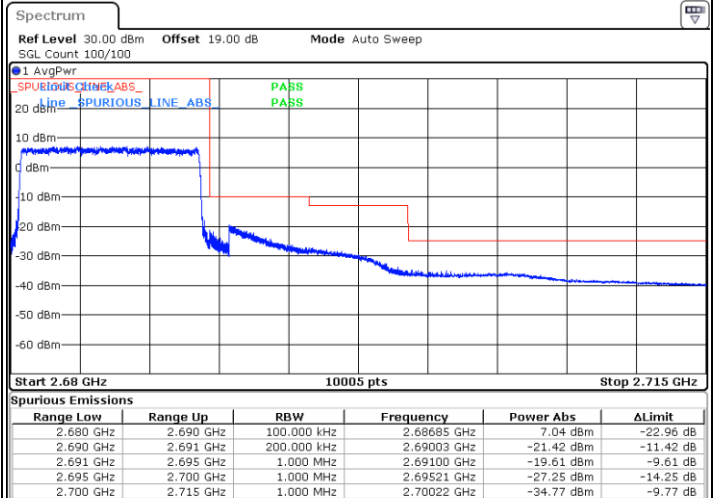
Date: 6 SEP 2023 11:22:35

Lowest Band Edge / Full RB



Date: 6 SEP 2023 11:17:27

Highest Band Edge / Full RB

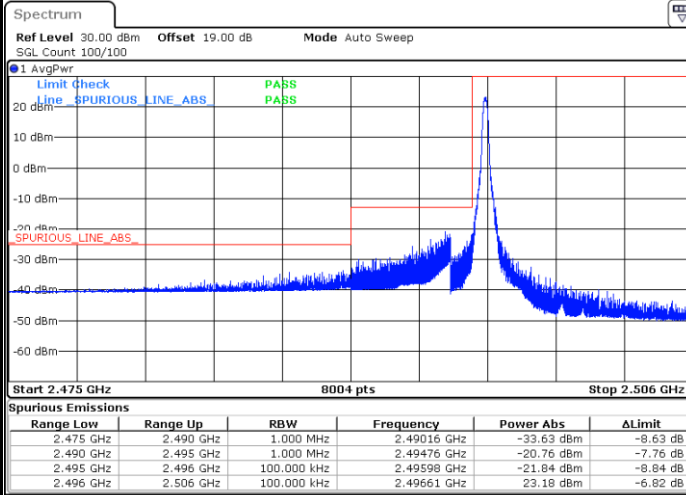


Date: 6 SEP 2023 11:28:19



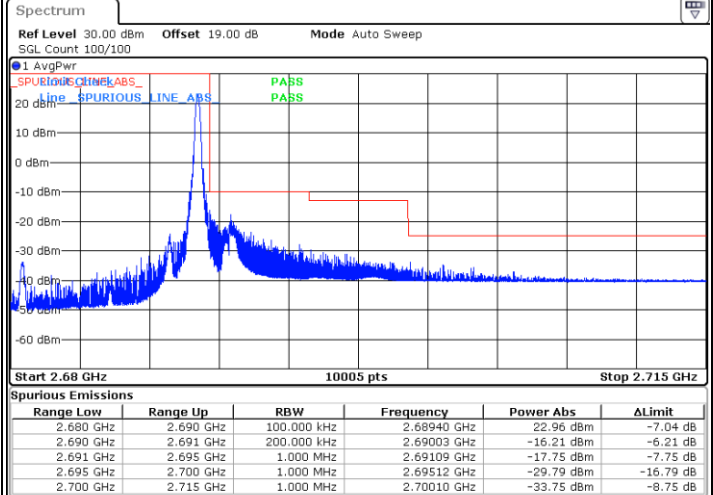
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



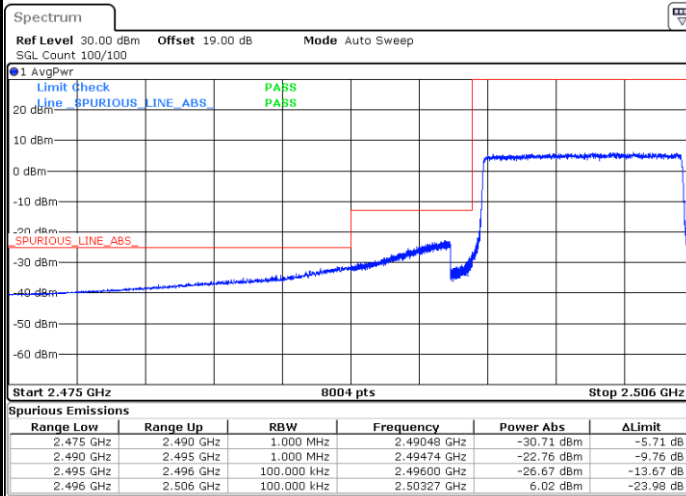
Date: 6 SEP 2023 11:12:52

Highest Band Edge / 1 RB



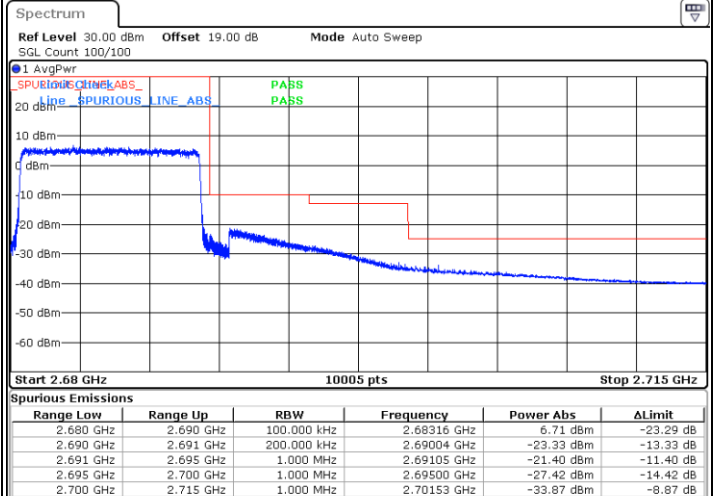
Date: 6 SEP 2023 11:23:44

Lowest Band Edge / Full RB



Date: 6 SEP 2023 11:16:18

Highest Band Edge / Full RB

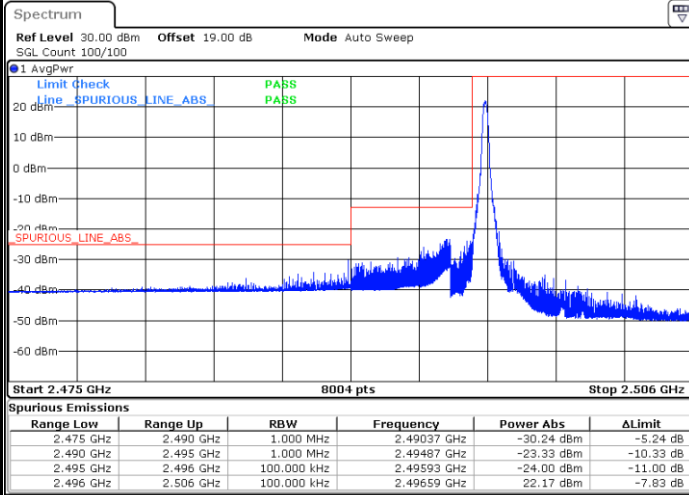


Date: 6 SEP 2023 11:27:10



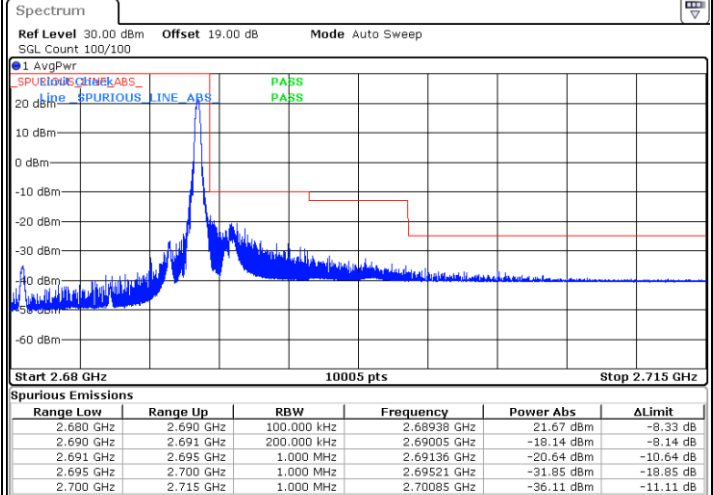
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



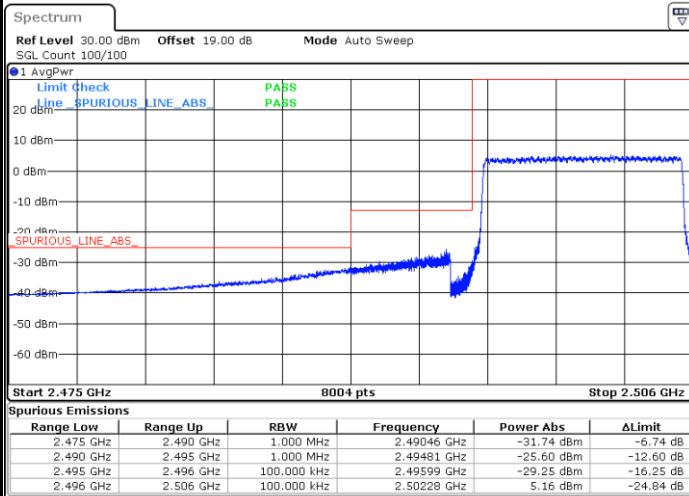
Date: 6 SEP 2023 11:14:00

Highest Band Edge / 1 RB



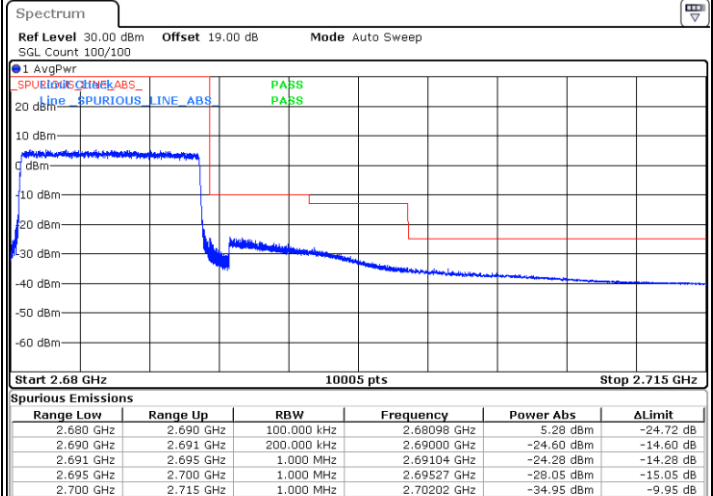
Date: 6 SEP 2023 11:24:53

Lowest Band Edge / Full RB



Date: 6 SEP 2023 11:15:09

Highest Band Edge / Full RB

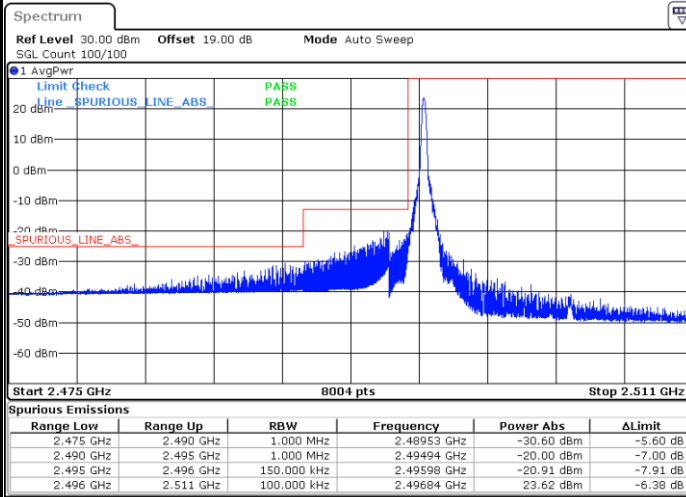


Date: 6 SEP 2023 11:26:01



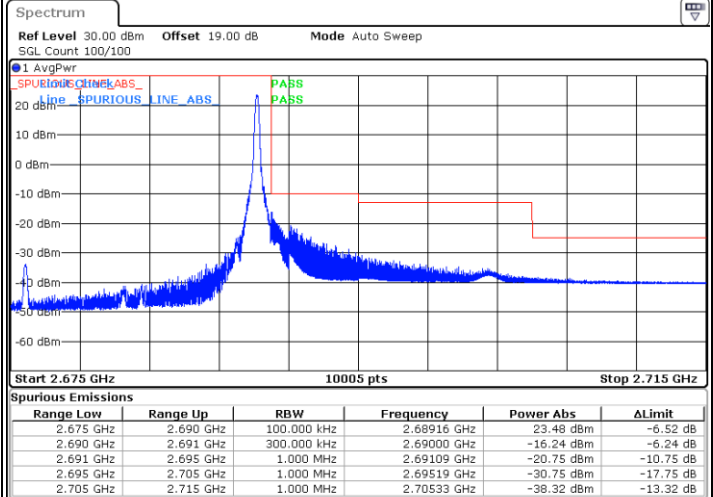
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



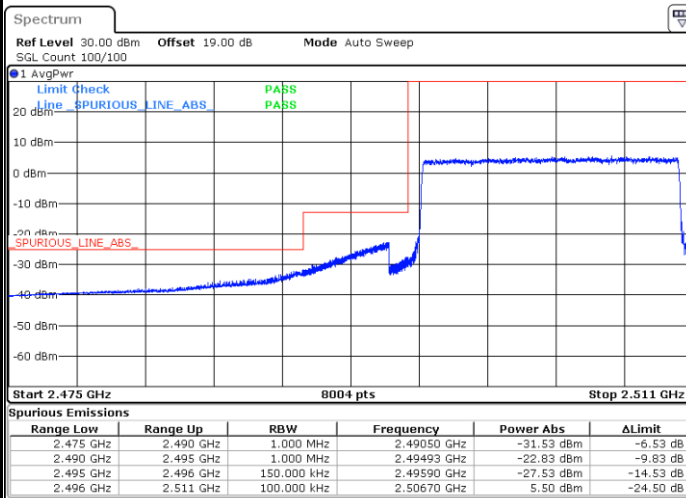
Date: 6 SEP 2023 11:32:39

Highest Band Edge / 1 RB



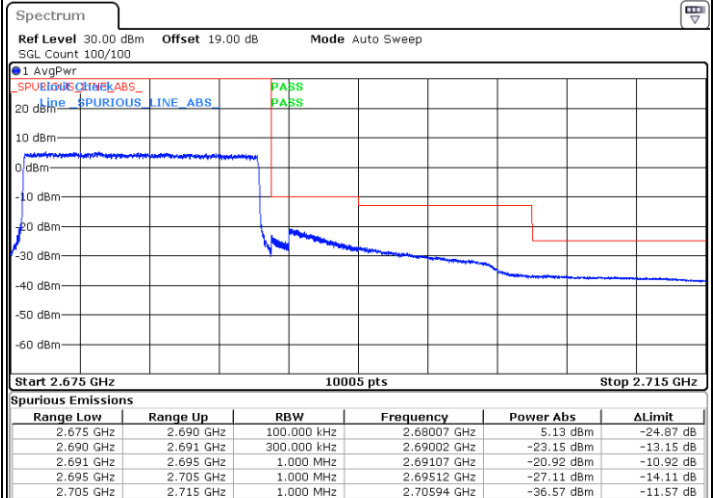
Date: 6 SEP 2023 11:43:32

Lowest Band Edge / Full RB



Date: 6 SEP 2023 11:38:23

Highest Band Edge / Full RB

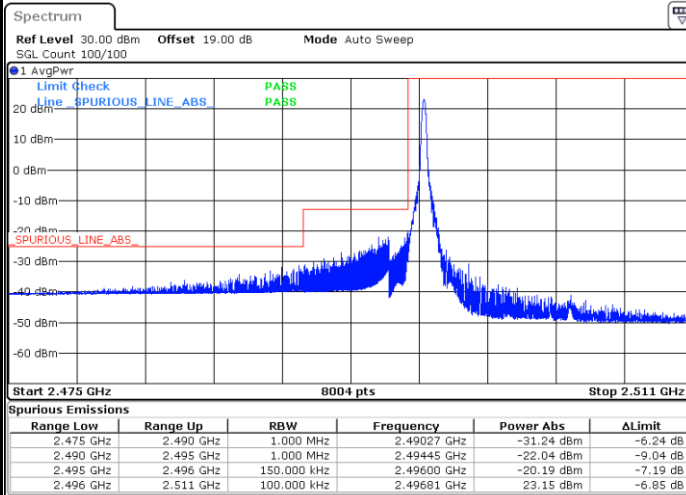


Date: 6 SEP 2023 11:49:15



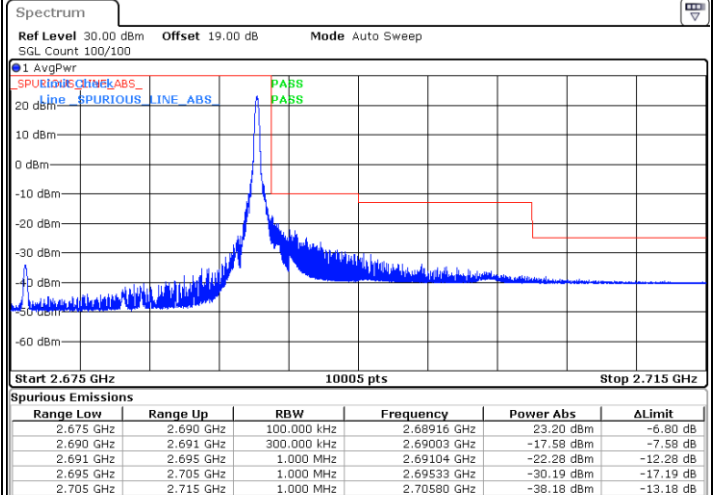
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



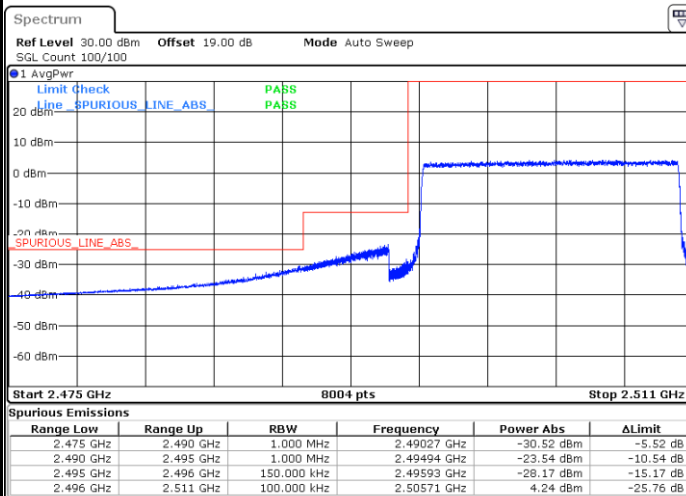
Date: 6 SEP 2023 11:33:48

Highest Band Edge / 1 RB



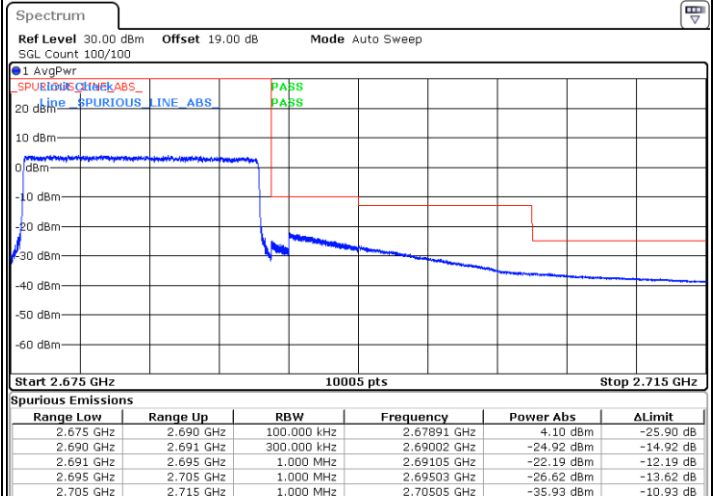
Date: 6 SEP 2023 11:44:41

Lowest Band Edge / Full RB



Date: 6 SEP 2023 11:37:15

Highest Band Edge / Full RB

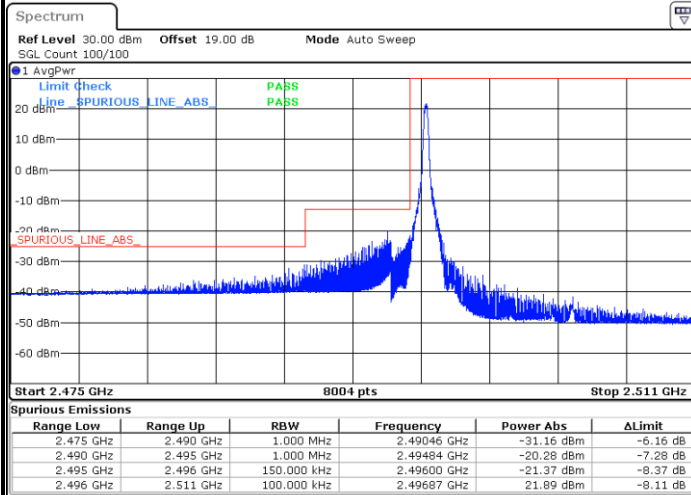


Date: 6 SEP 2023 11:48:07



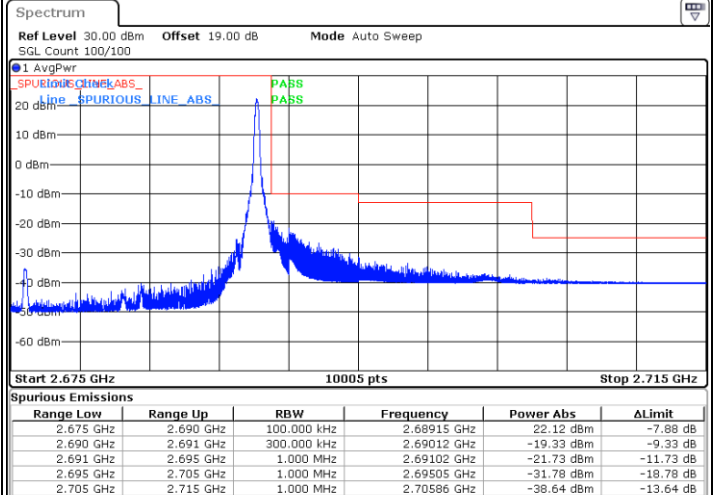
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



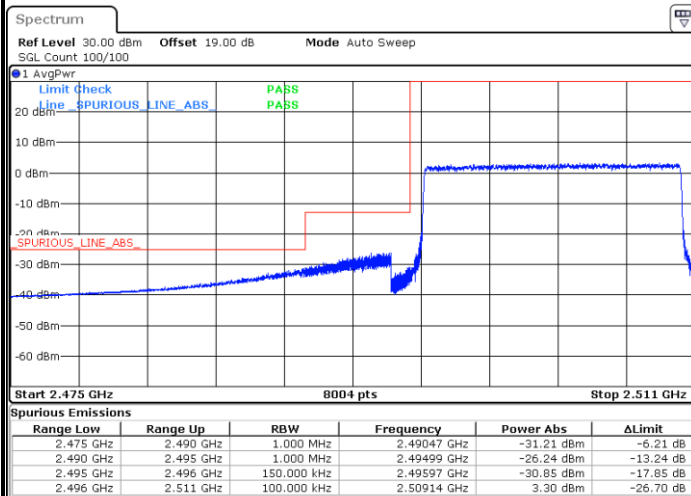
Date: 6 SEP 2023 11:34:57

Highest Band Edge / 1 RB



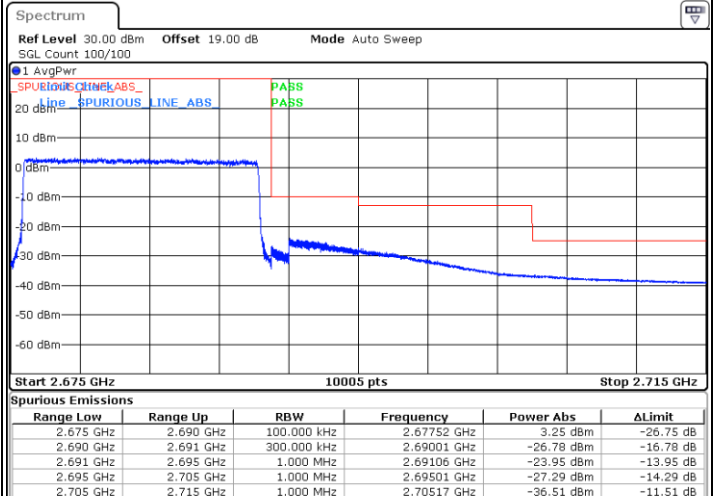
Date: 6 SEP 2023 11:45:50

Lowest Band Edge / Full RB



Date: 6 SEP 2023 11:36:06

Highest Band Edge / Full RB

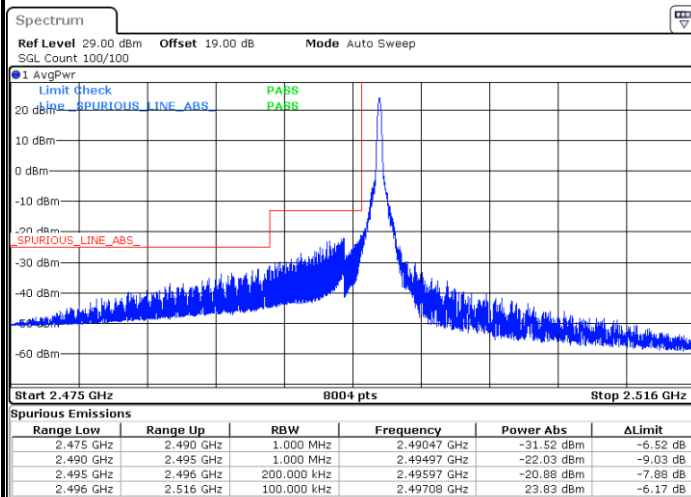


Date: 6 SEP 2023 11:46:58



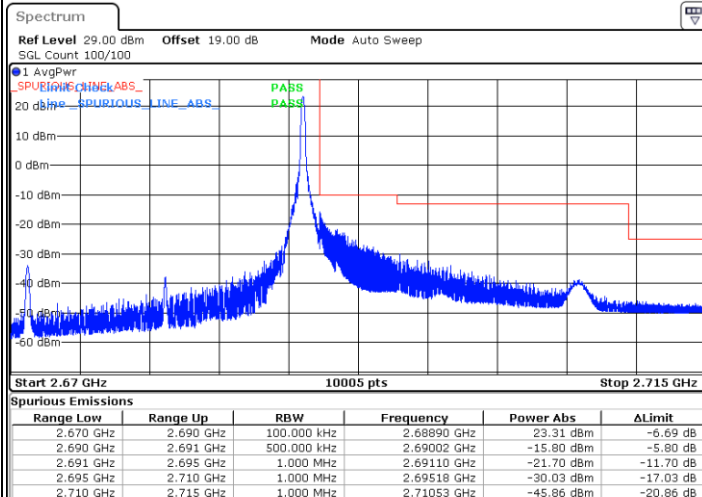
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



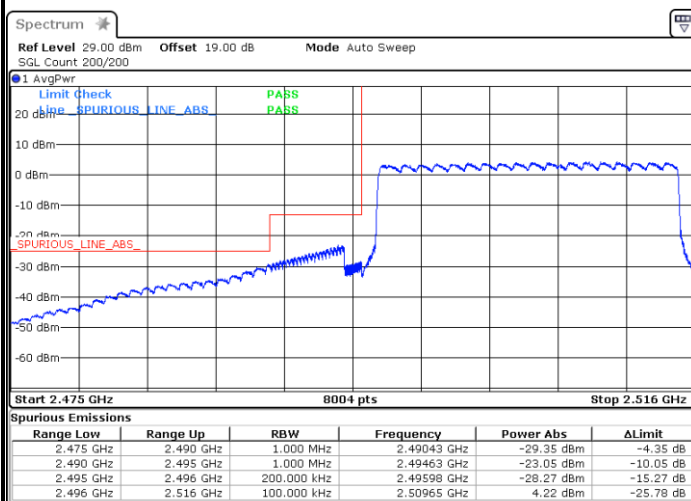
Date: 6 SEP 2023 12:07:41

Highest Band Edge / 1 RB



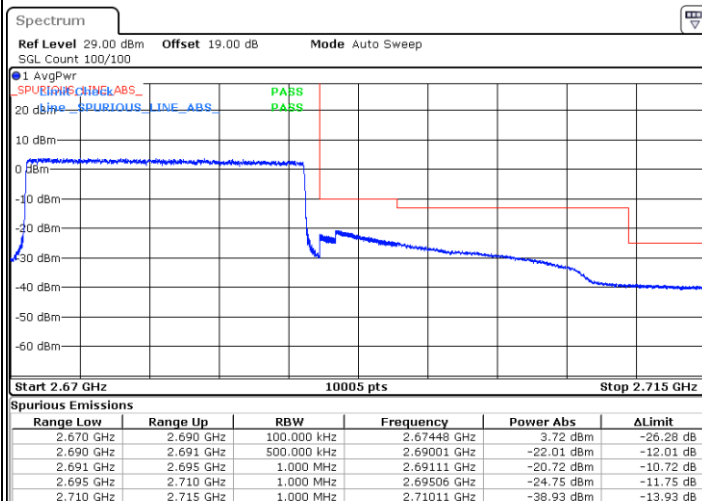
Date: 6 SEP 2023 12:20:03

Lowest Band Edge / Full RB



Date: 6 SEP 2023 13:34:00

Highest Band Edge / Full RB

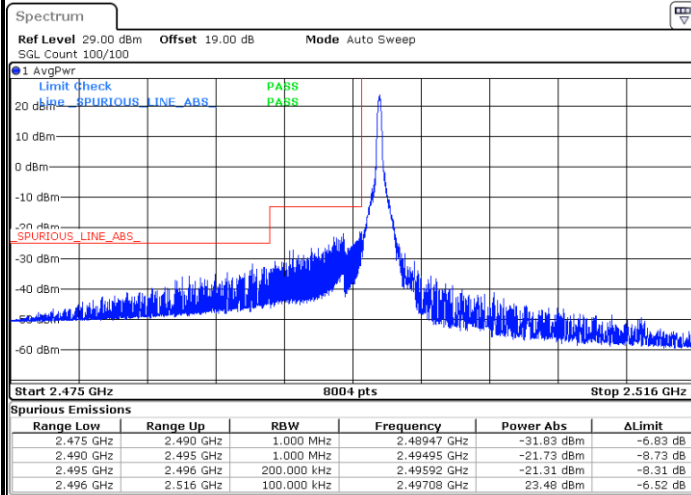


Date: 6 SEP 2023 12:25:46



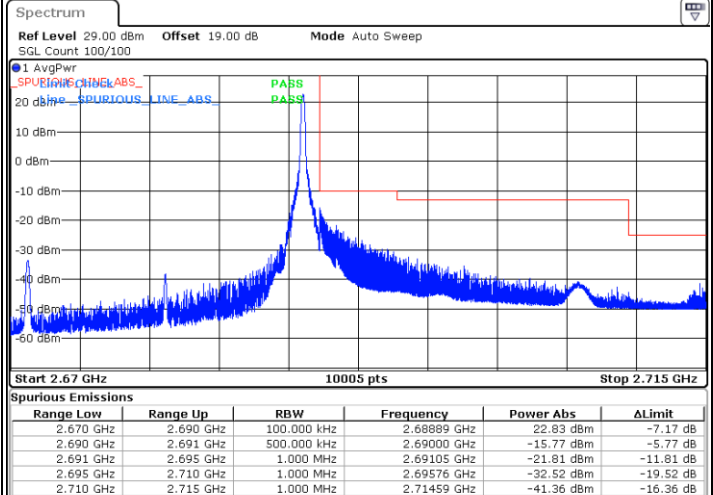
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



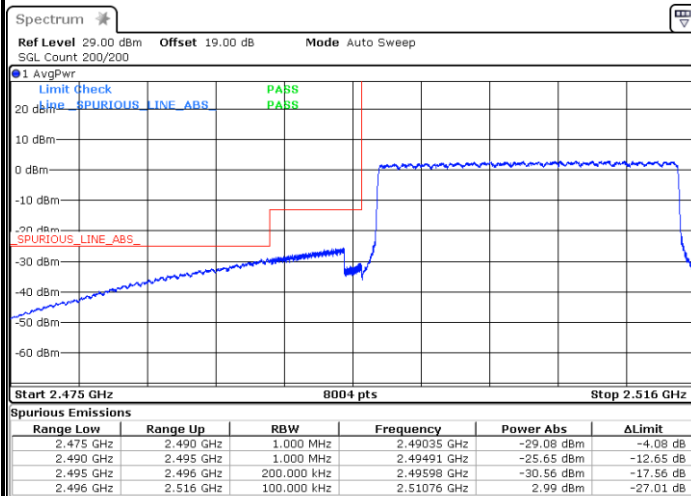
Date: 6 SEP 2023 12:08:49

Highest Band Edge / 1 RB



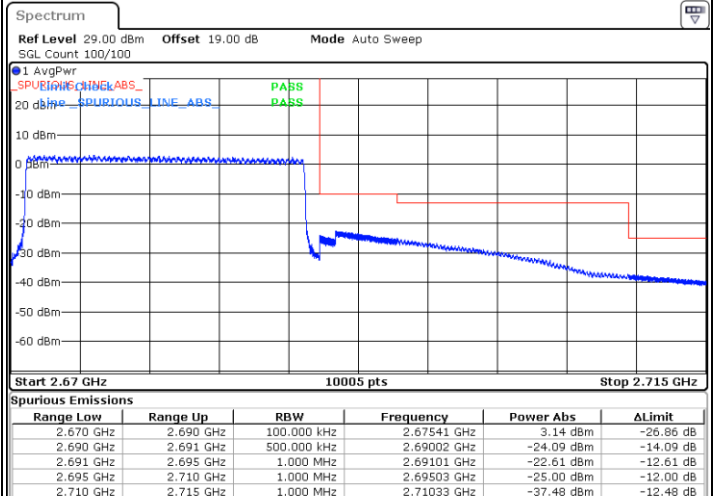
Date: 6 SEP 2023 12:21:11

Lowest Band Edge / Full RB



Date: 6 SEP 2023 13:32:18

Highest Band Edge / Full RB

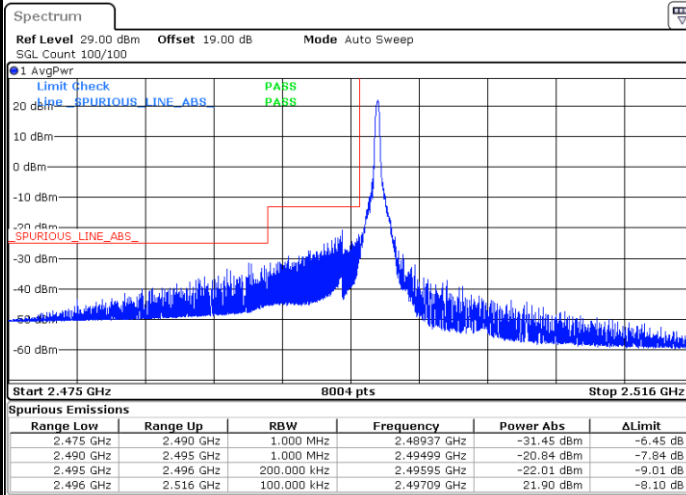


Date: 6 SEP 2023 12:24:37



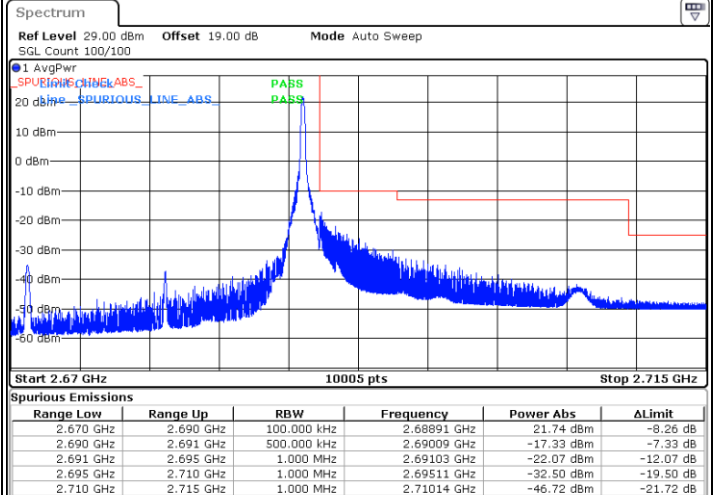
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



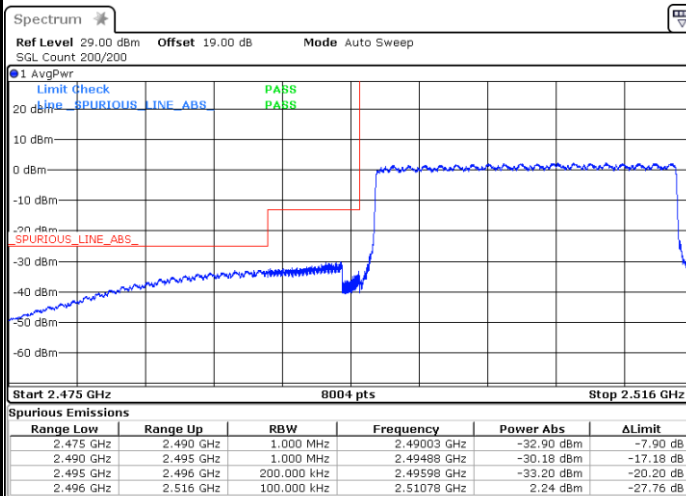
Date: 6 SEP 2023 12:09:58

Highest Band Edge / 1 RB



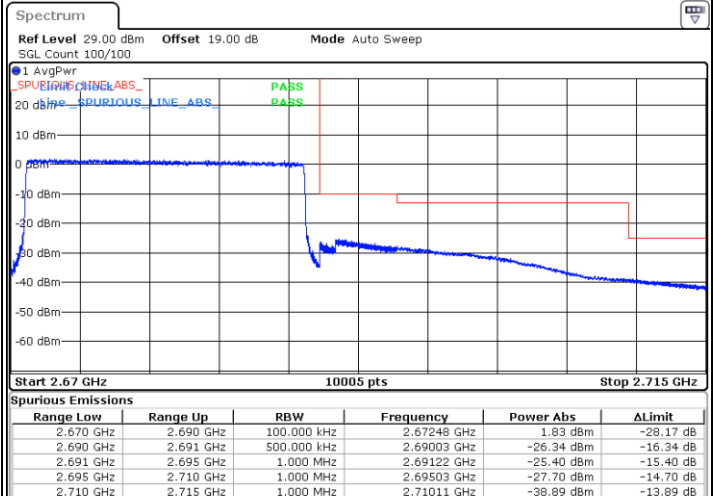
Date: 6 SEP 2023 12:22:20

Lowest Band Edge / Full RB



Date: 6 SEP 2023 13:35:52

Highest Band Edge / Full RB



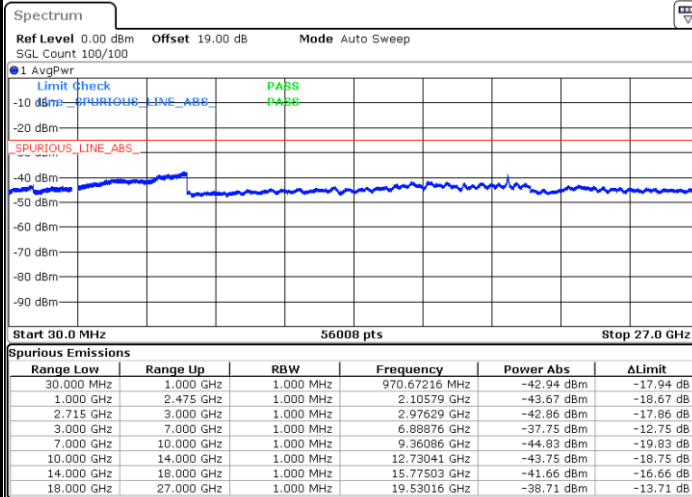
Date: 6 SEP 2023 12:23:29



Conducted Spurious Emission

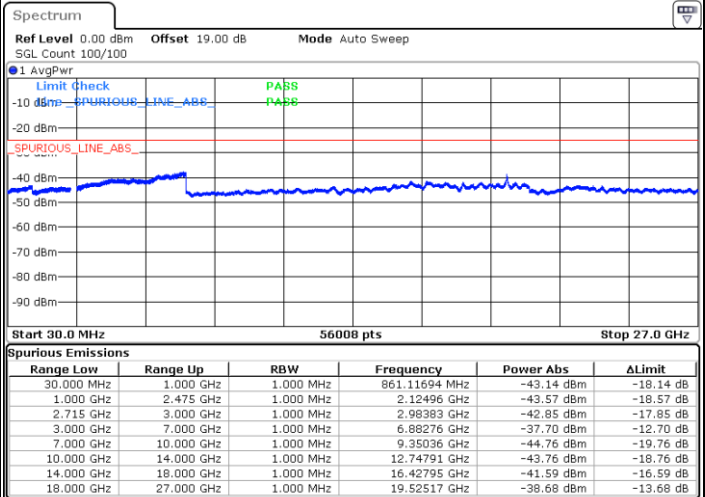
LTE Band 41 / 5MHz

Lowest Channel / QPSK



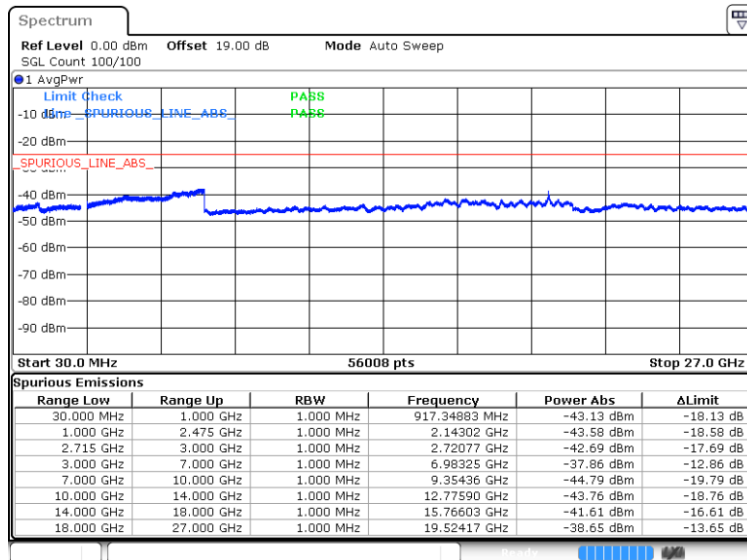
Date: 6 SEP. 2023 11:54:08

Middle Channel / QPSK



Date: 6 SEP. 2023 11:55:25

Highest Channel / QPSK

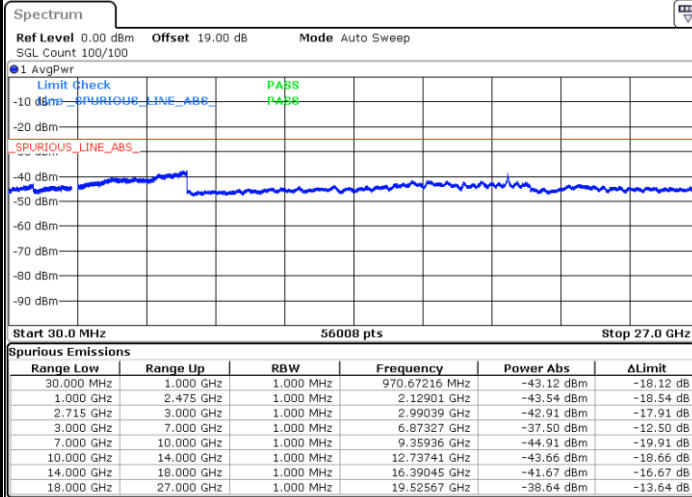


Date: 6 SEP. 2023 11:56:42



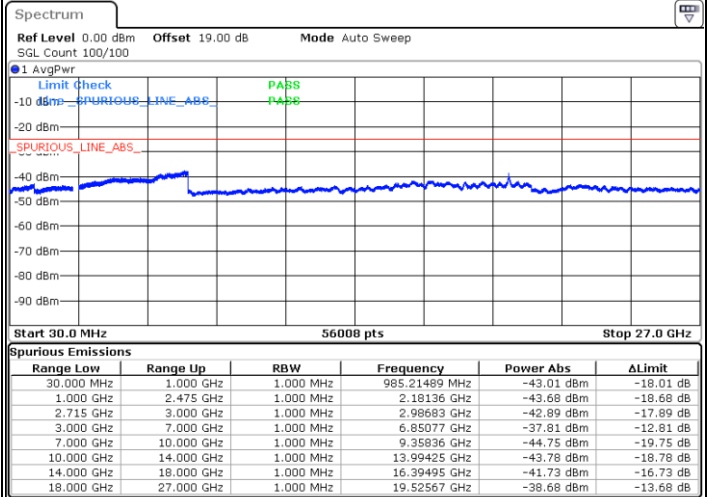
LTE Band 41 / 10MHz

Lowest Channel / QPSK



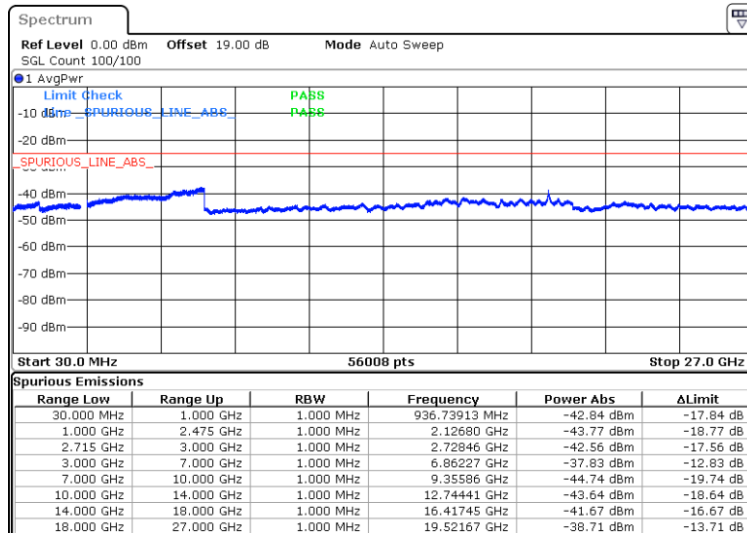
Date: 6 SEP. 2023 11:58:05

Middle Channel / QPSK



Date: 6 SEP. 2023 11:59:23

Highest Channel / QPSK

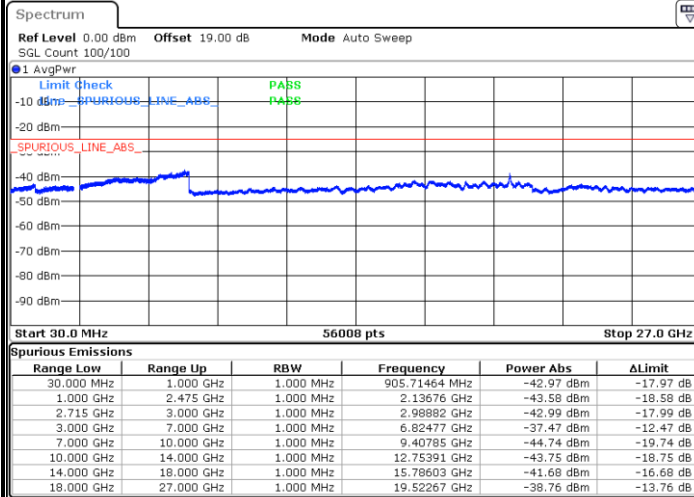


Date: 6 SEP. 2023 12:00:40



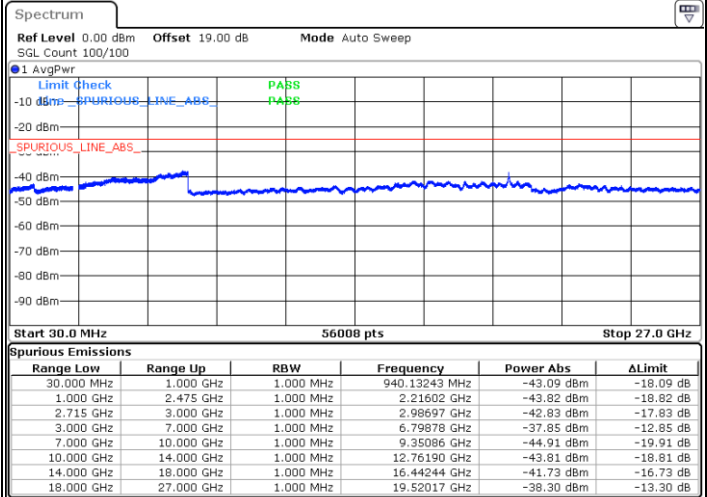
LTE Band 41 / 15MHz

Lowest Channel / QPSK



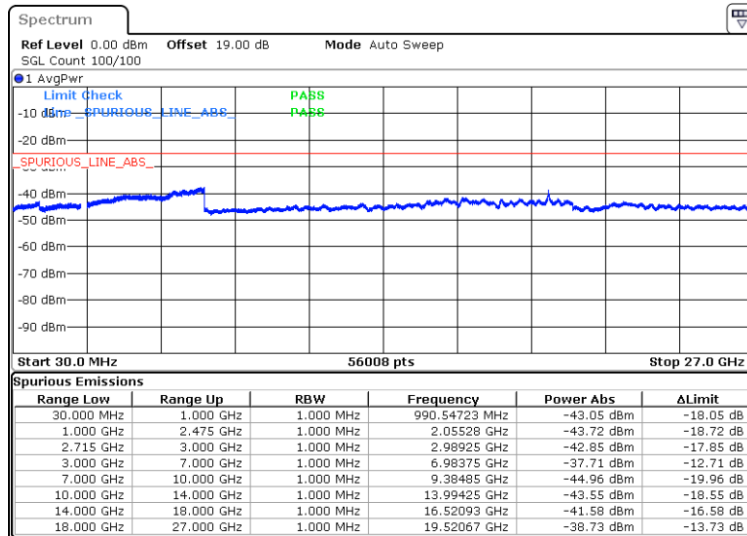
Date: 6 SEP. 2023 12:02:03

Middle Channel / QPSK



Date: 6 SEP. 2023 12:03:20

Highest Channel / QPSK

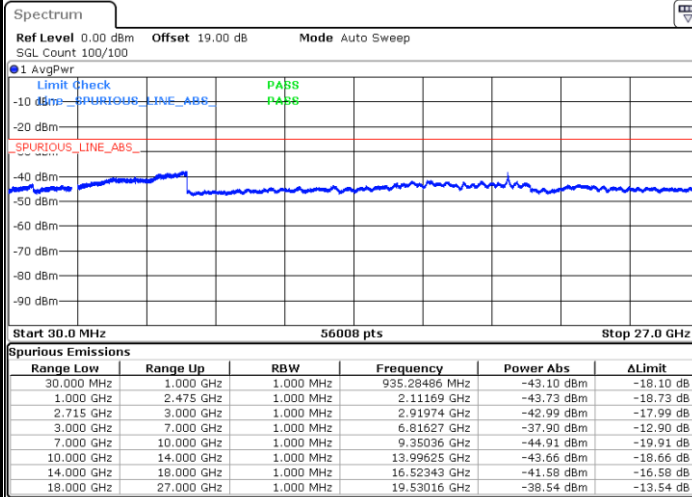


Date: 6 SEP. 2023 12:04:38



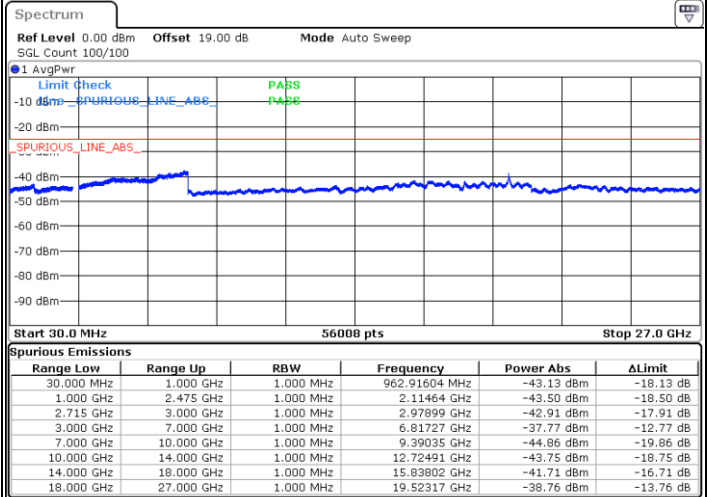
LTE Band 41 / 20MHz

Lowest Channel / QPSK



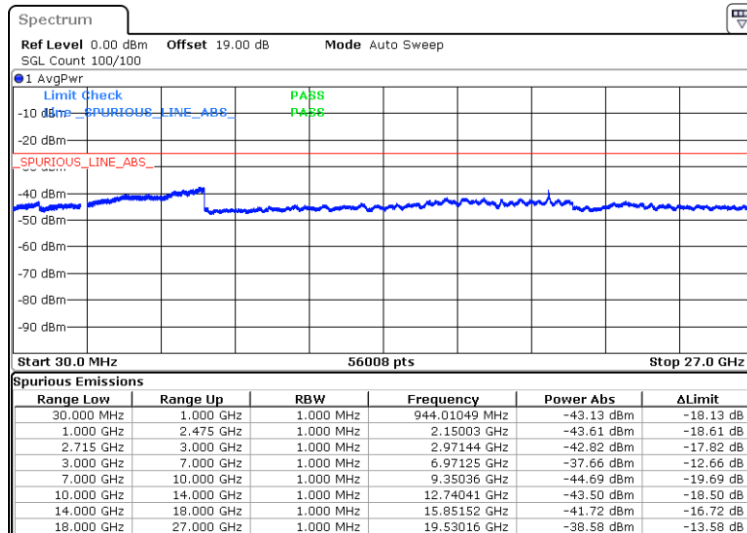
Date: 6 SEP. 2023 12:14:43

Middle Channel / QPSK



Date: 6 SEP. 2023 12:16:00

Highest Channel / QPSK



Date: 6 SEP. 2023 12:27:04

**Frequency Stability**

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0042	
0	Normal Voltage	0.0052	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0051	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0036	

Note:

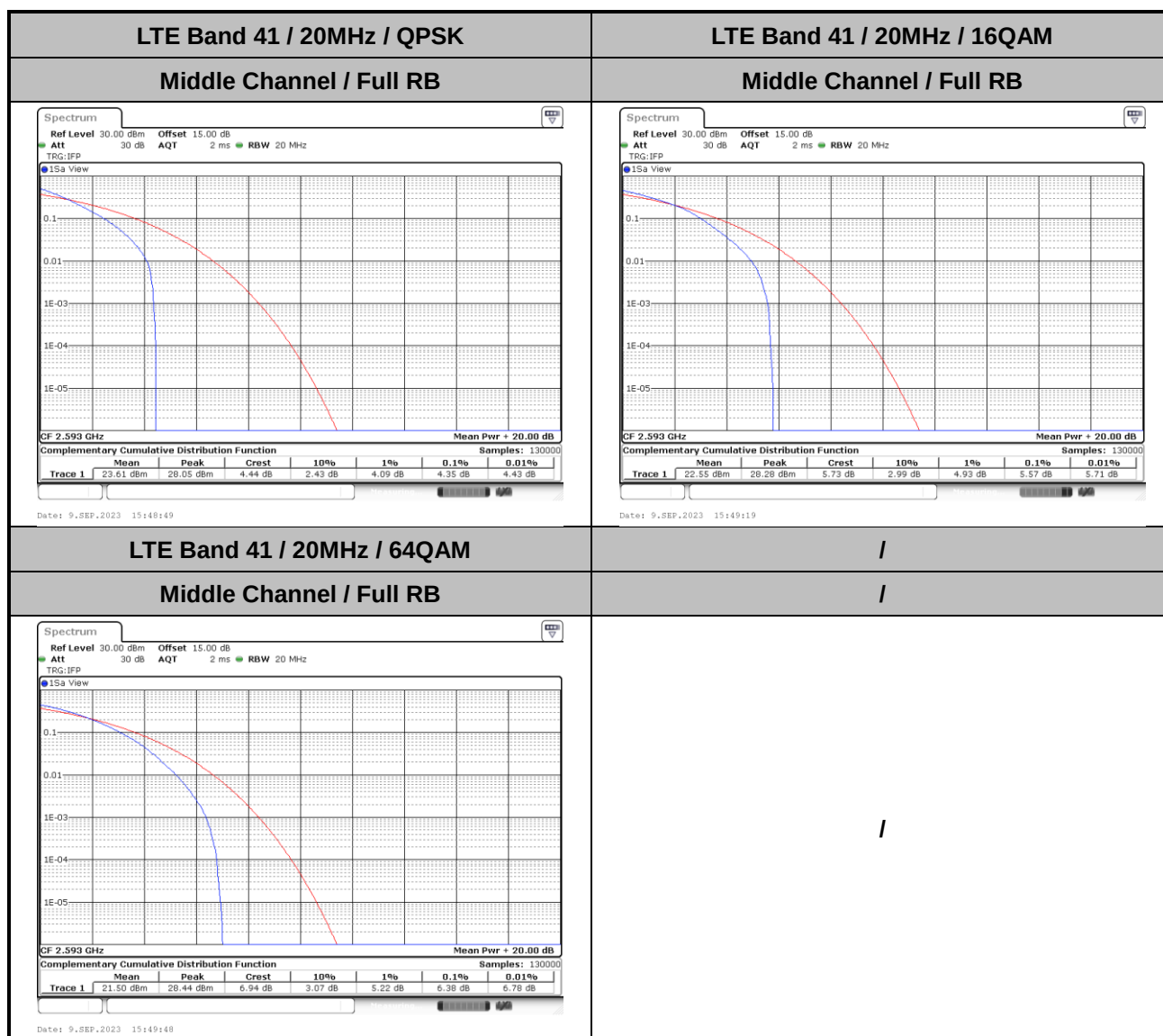
1. Normal Voltage = 7.82 V. ; Battery End Point (BEP) = 6.8 V. ; Maximum Voltage = 9 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41(Other PA)

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	4.35	5.57	6.38	PASS



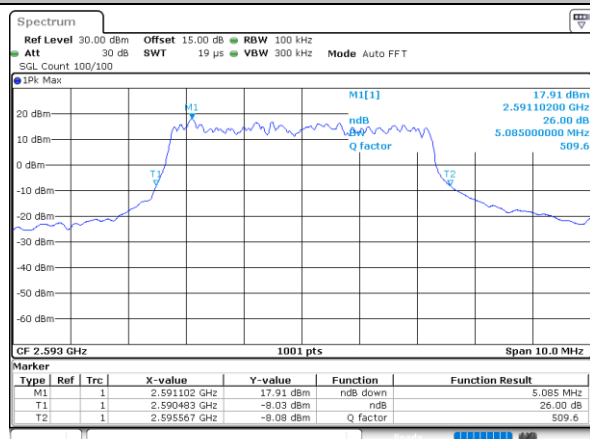


26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.09	4.75	9.65	9.91	14.27	14.78	18.78	18.66

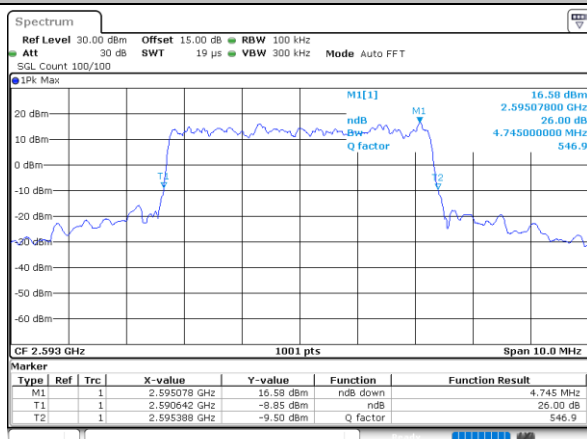
LTE Band 41

Middle Channel / 5MHz / QPSK



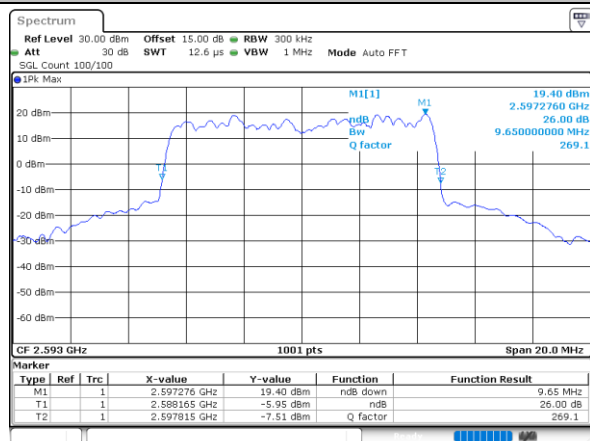
Date: 9,SEP,2023 14:41:51

Middle Channel / 5MHz / 16QAM



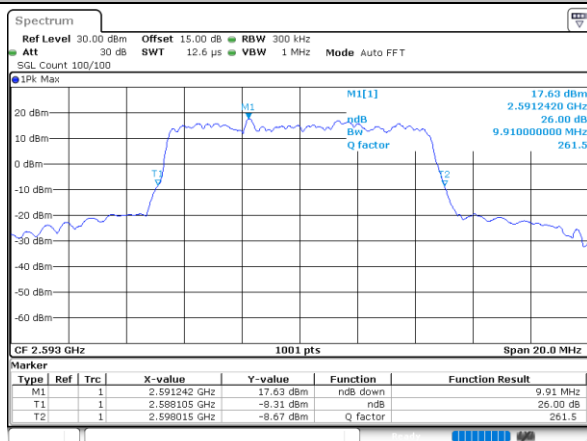
Date: 9,SEP,2023 14:42:34

Middle Channel / 10MHz / QPSK



Date: 9,SEP,2023 15:08:51

Middle Channel / 10MHz / 16QAM

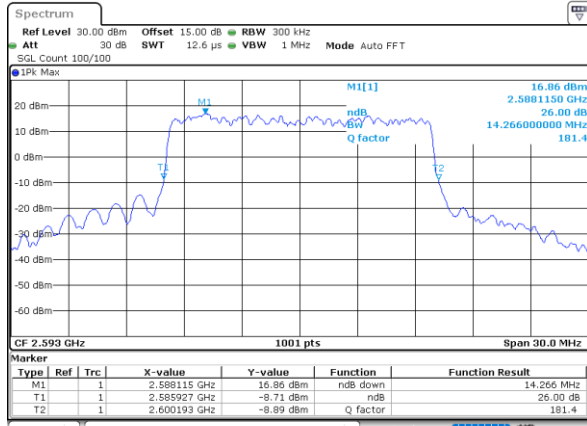


Date: 9,SEP,2023 15:09:34



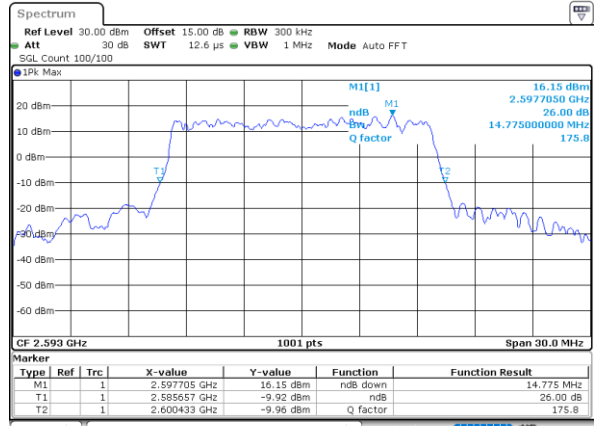
LTE Band 41

Middle Channel / 15MHz / QPSK



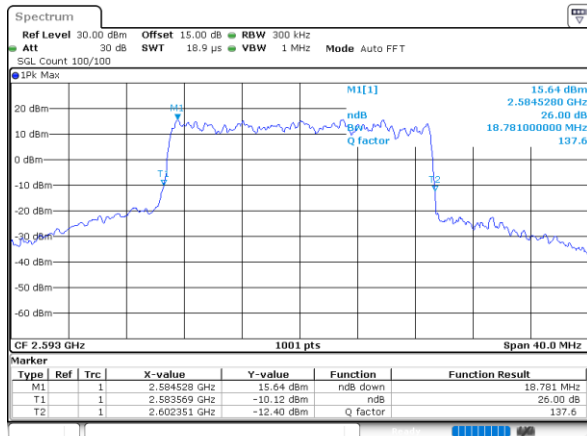
Date: 9,SEP,2023 15:29:05

Middle Channel / 15MHz / 16QAM



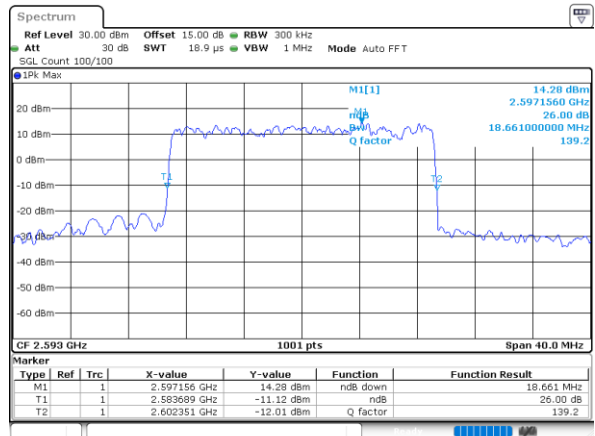
Date: 9,SEP,2023 15:29:47

Middle Channel / 20MHz / QPSK



Date: 9,SEP,2023 15:47:36

Middle Channel / 20MHz / 16QAM

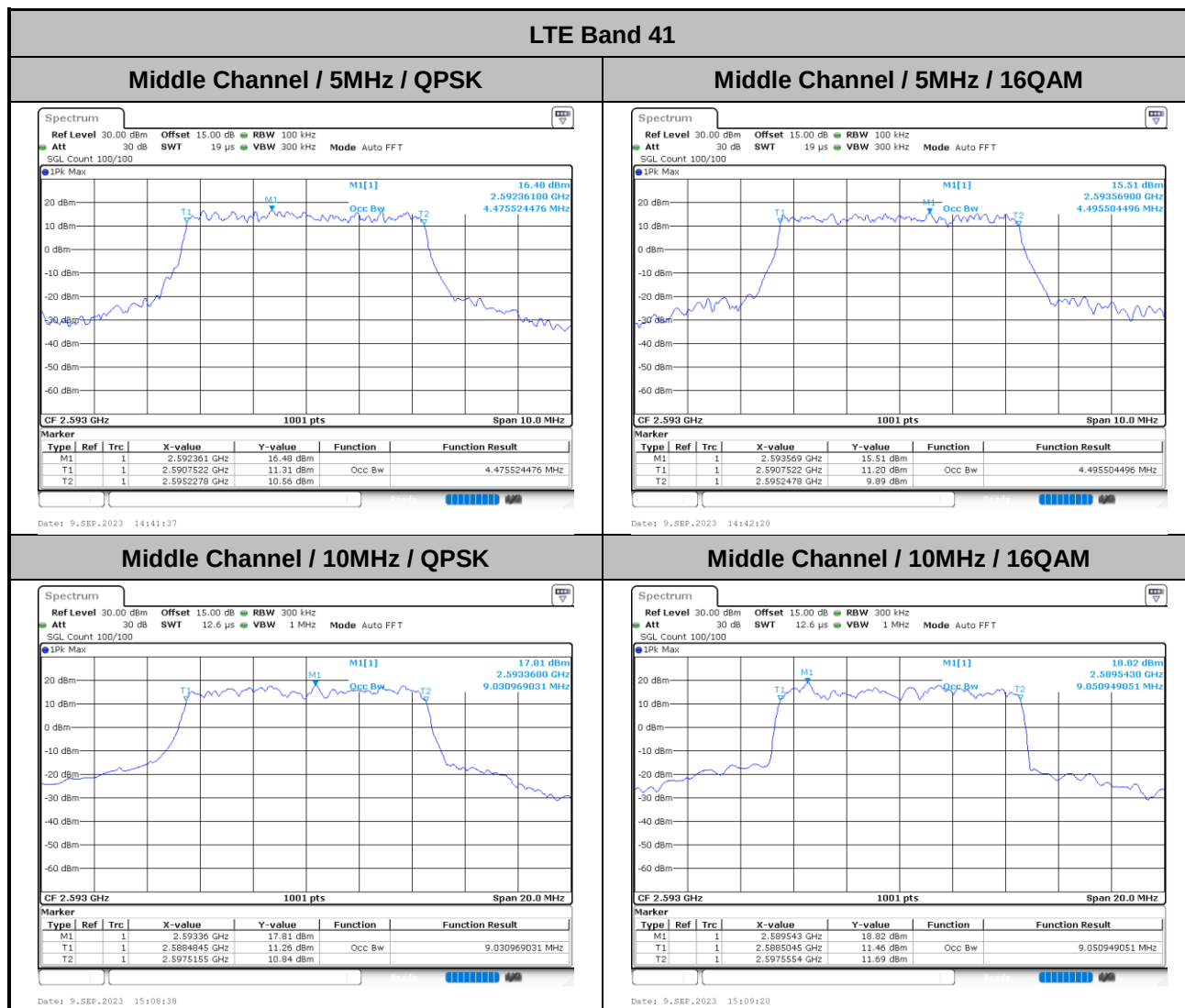


Date: 9,SEP,2023 15:48:20



Occupied Bandwidth

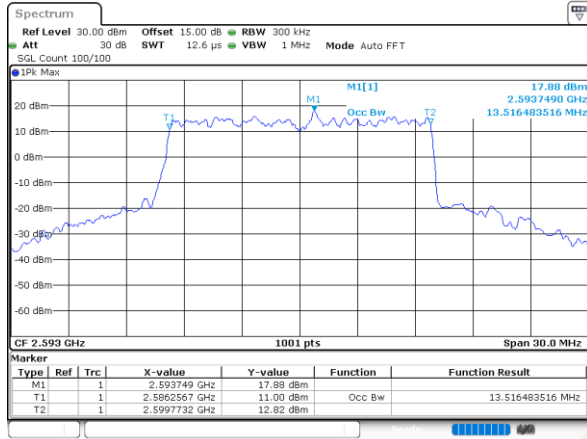
Mode	LTE Band 41 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.48	4.50	9.03	9.05	13.52	13.46	17.90	17.86



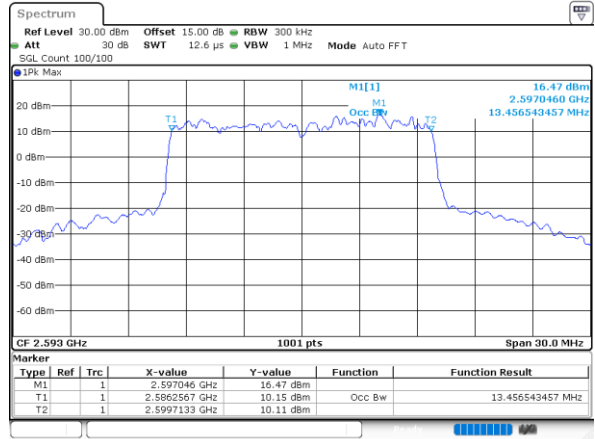


LTE Band 41

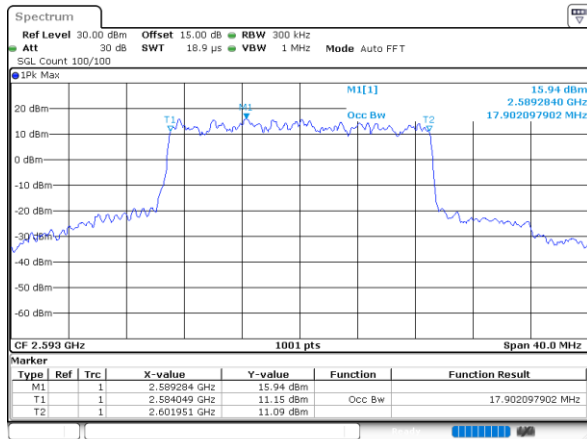
Middle Channel / 15MHz / QPSK



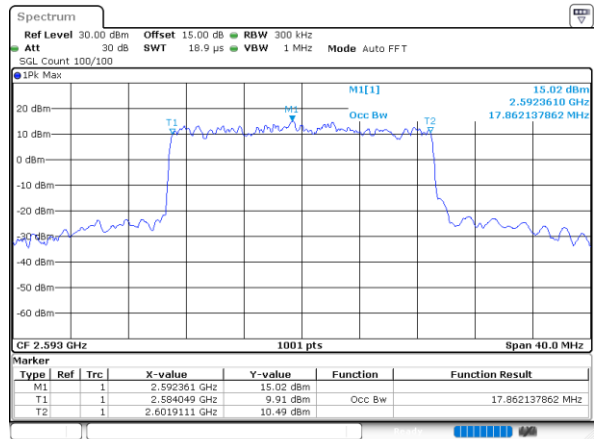
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

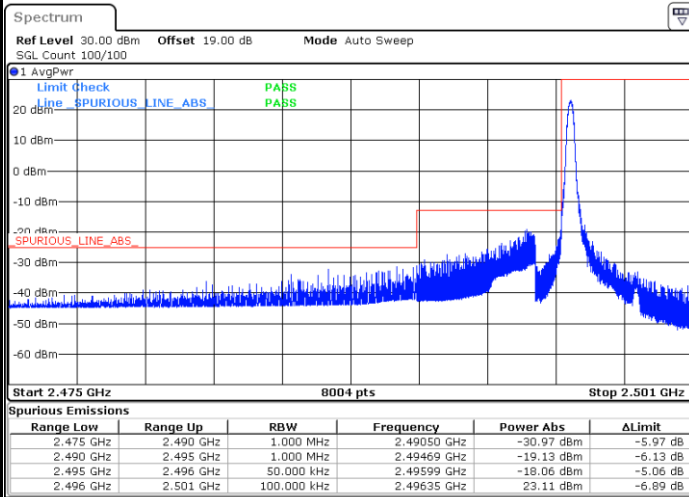




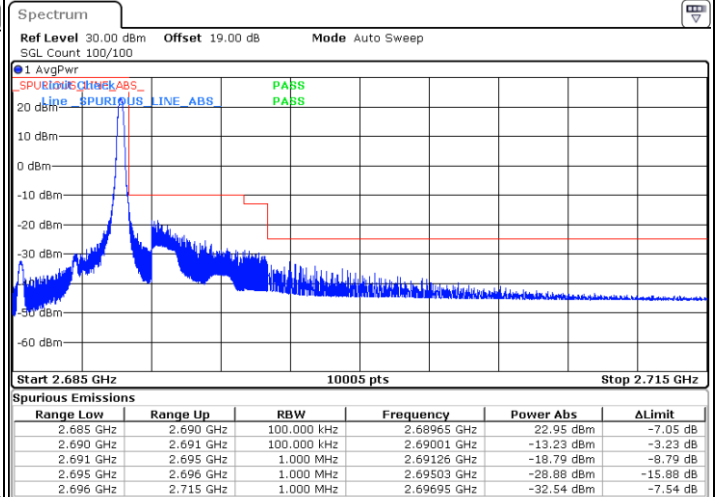
Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

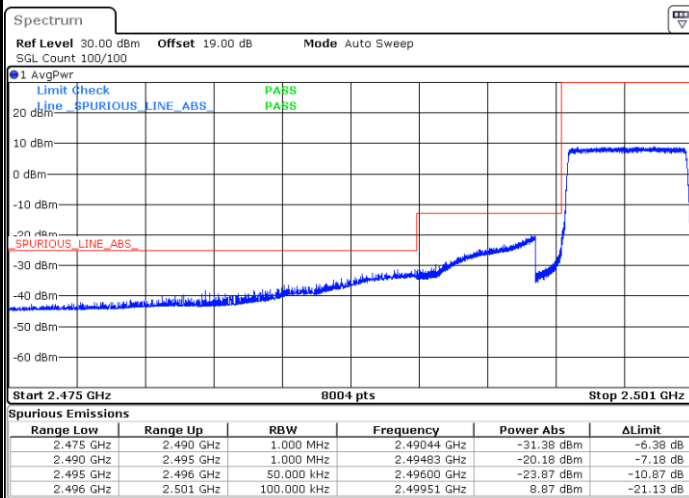
Lowest Band Edge / 1 RB



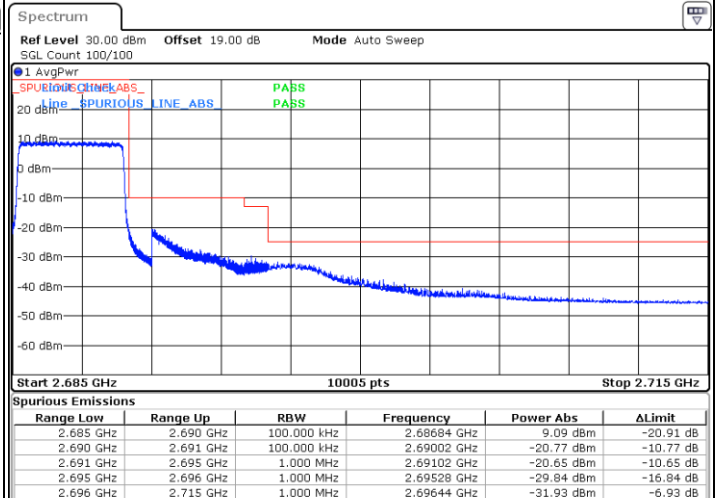
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



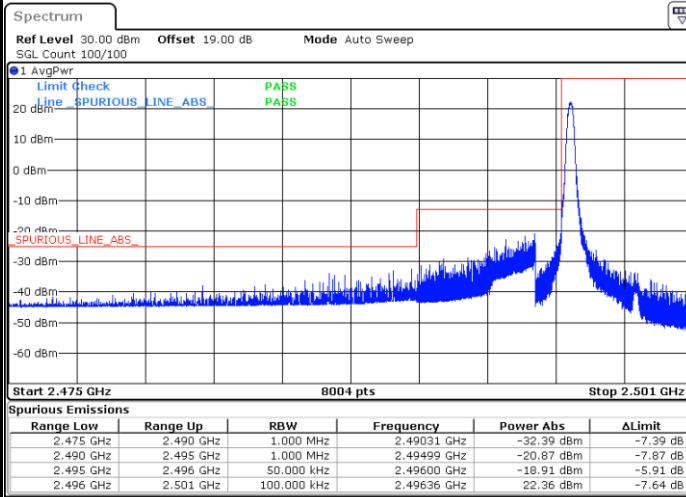
Highest Band Edge / Full RB





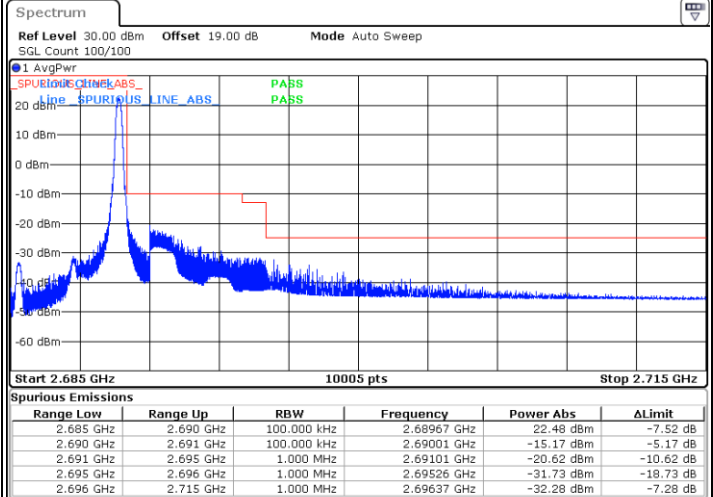
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



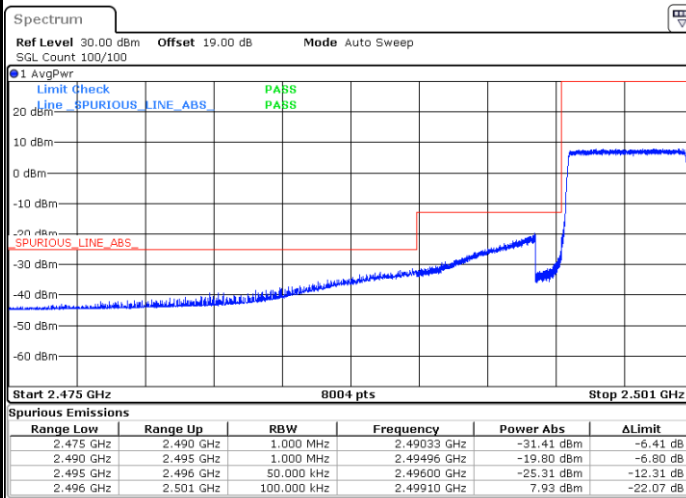
Date: 9.SEP.2023 14:34:34

Highest Band Edge / 1 RB



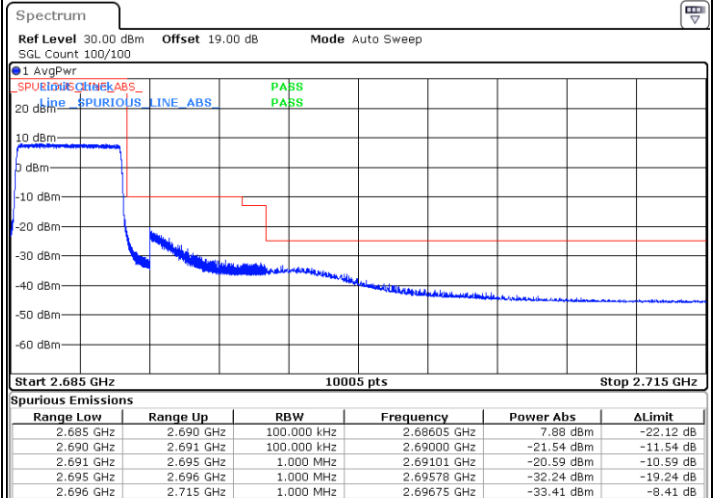
Date: 9.SEP.2023 14:44:46

Lowest Band Edge / Full RB



Date: 9.SEP.2023 14:37:47

Highest Band Edge / Full RB

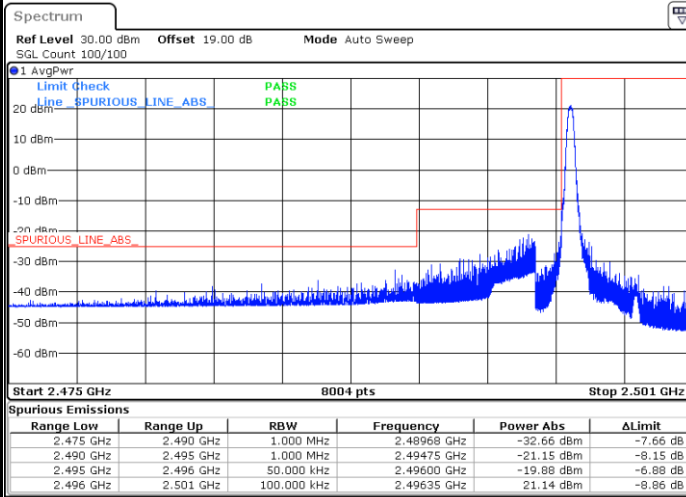


Date: 9.SEP.2023 14:48:06

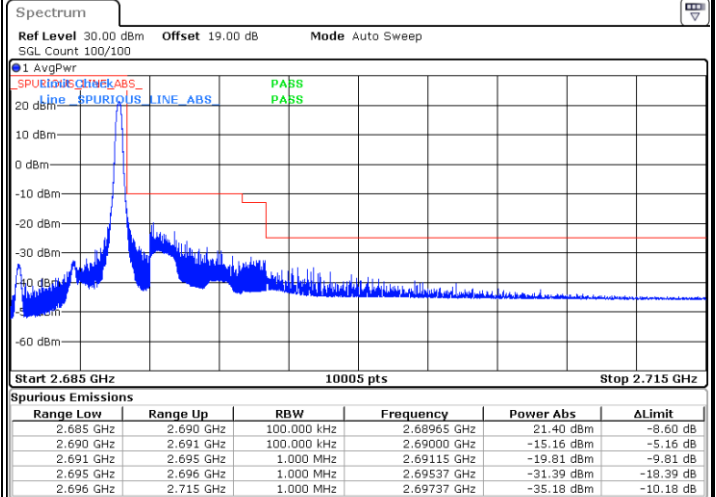


LTE Band 41 / 5MHz / 64QAM

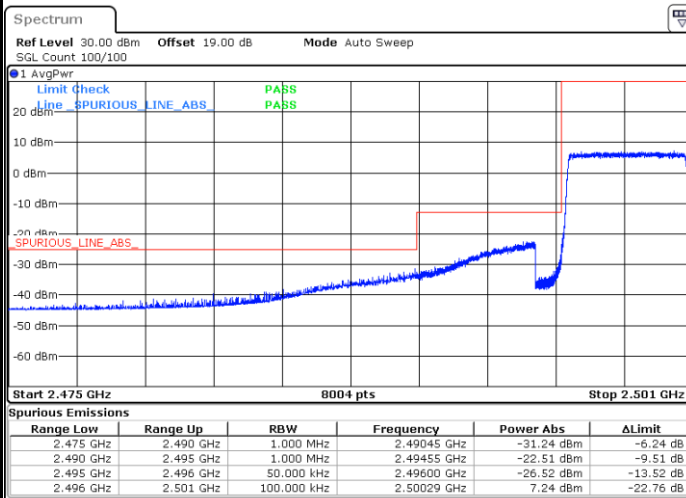
Lowest Band Edge / 1RB



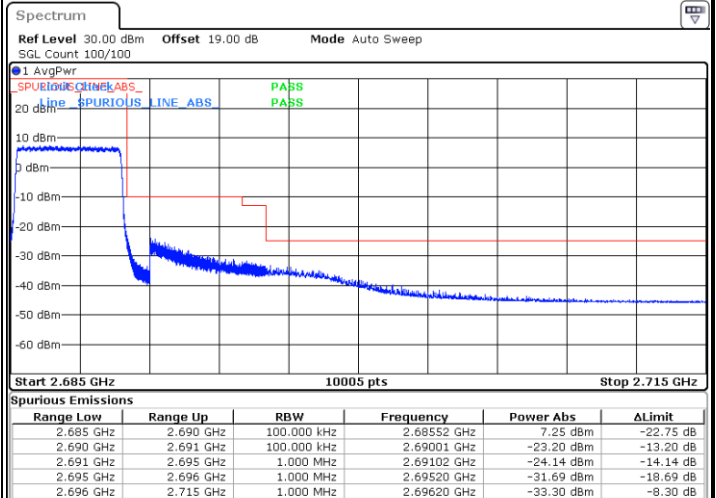
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



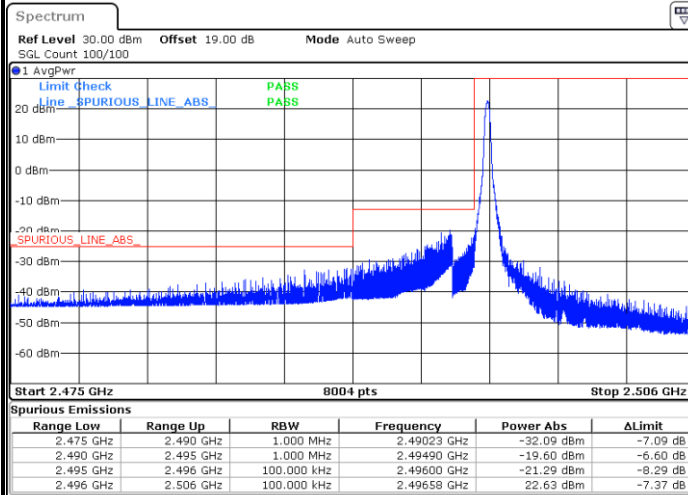
Highest Band Edge / Full RB



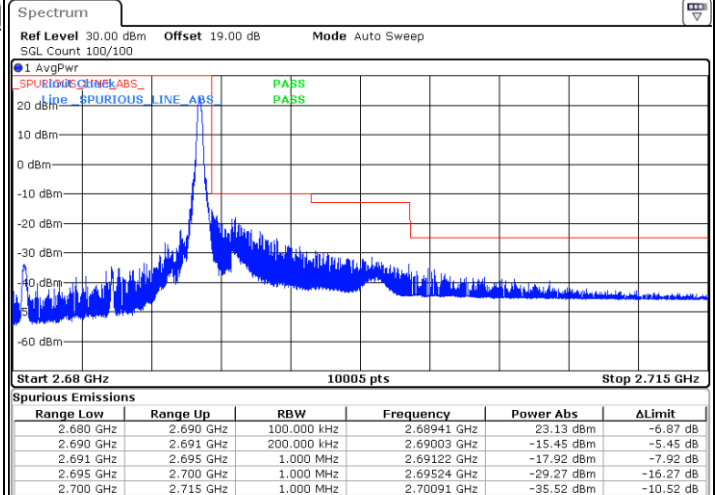


LTE Band 41 / 10MHz / QPSK

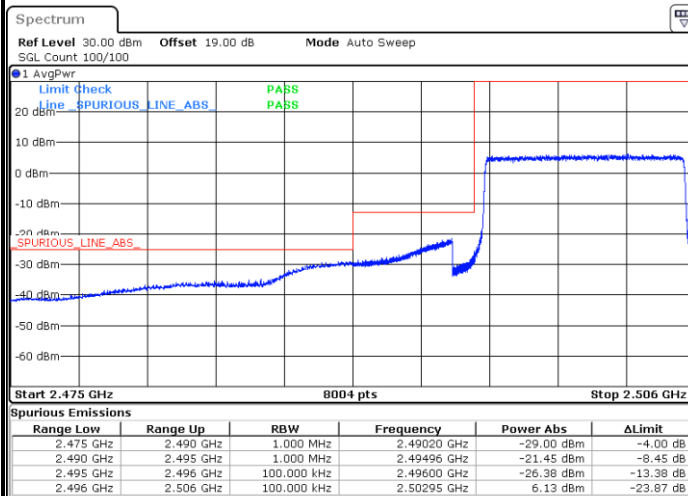
Lowest Band Edge / 1 RB



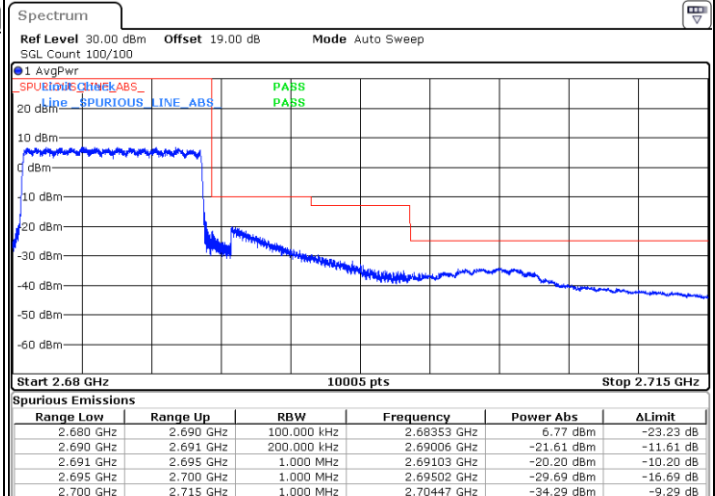
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



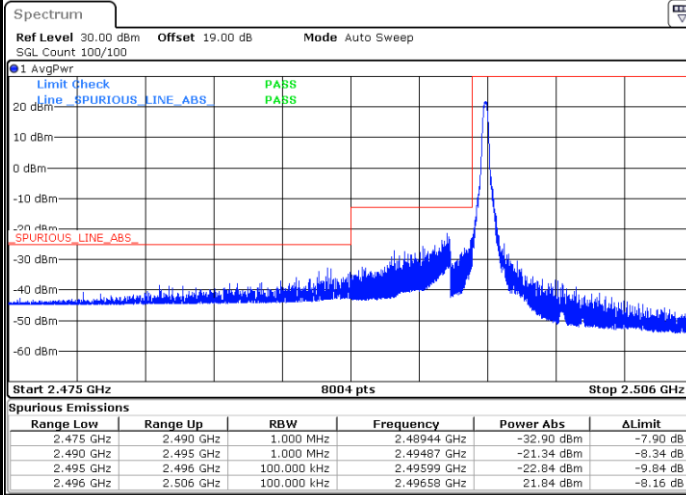
Highest Band Edge / Full RB



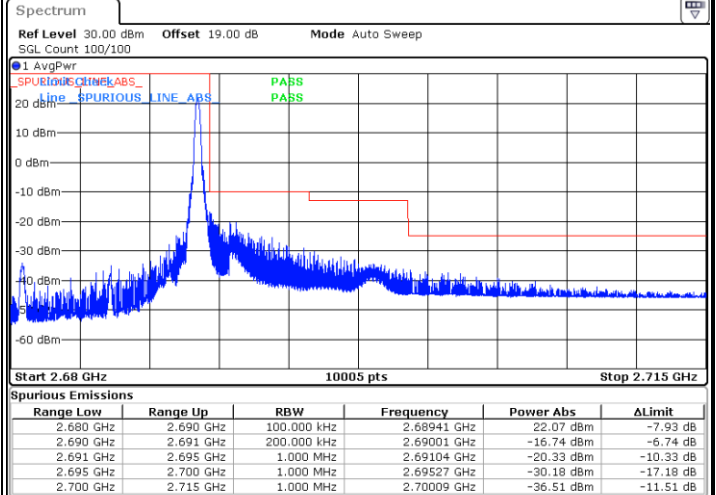


LTE Band 41 / 10MHz / 16QAM

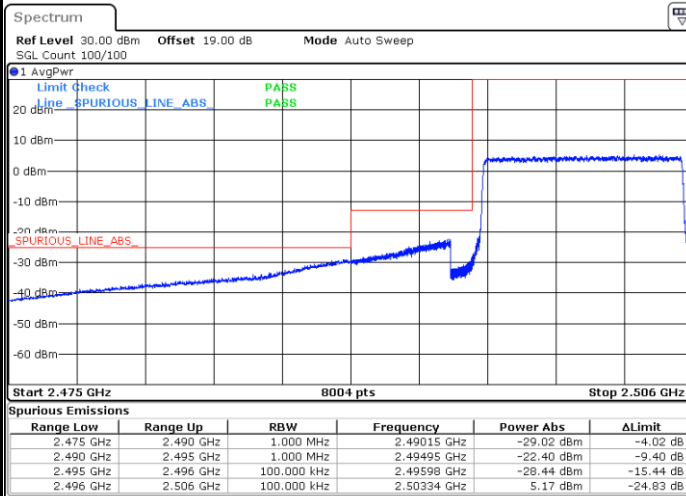
Lowest Band Edge / 1RB



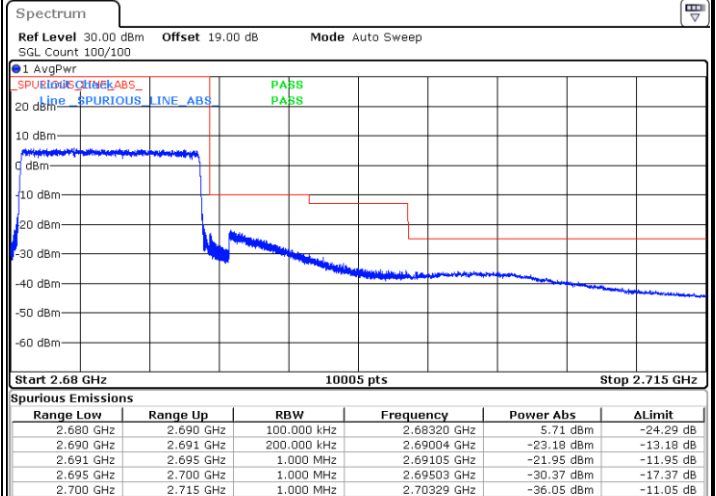
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



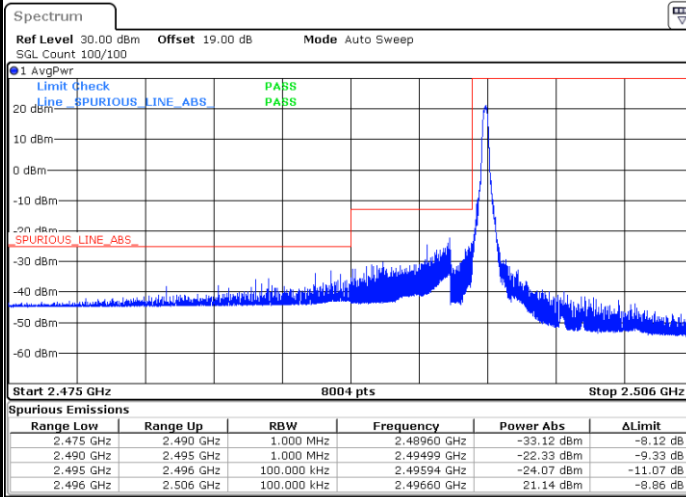
Highest Band Edge / Full RB



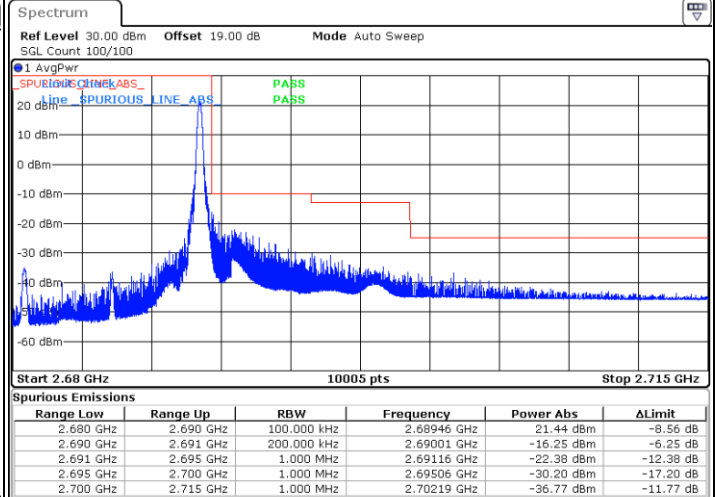


LTE Band 41 / 10MHz / 64QAM

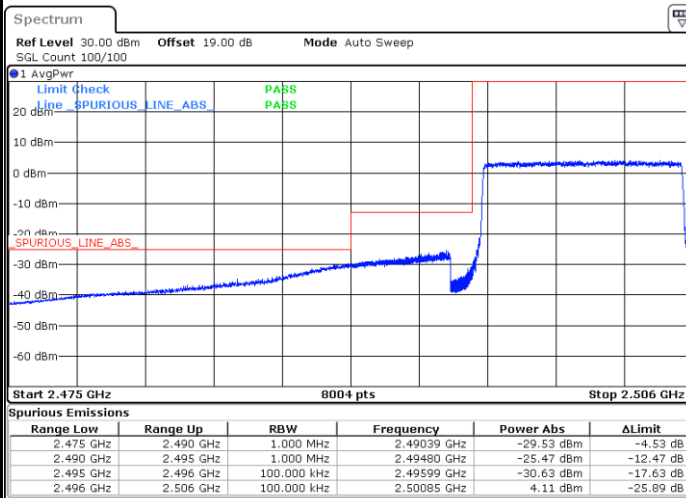
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

