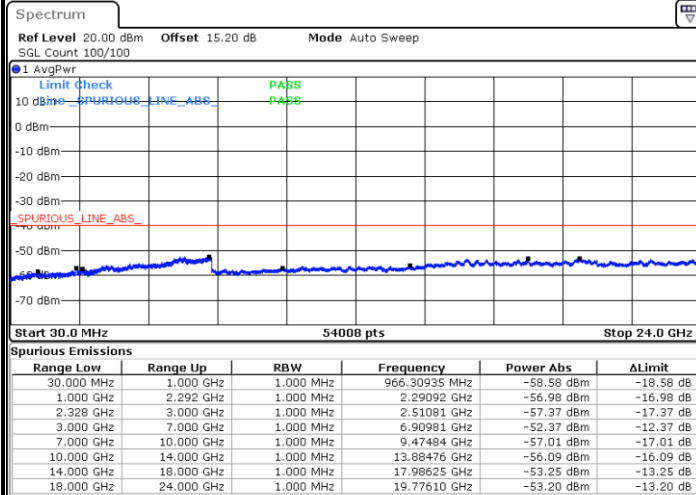




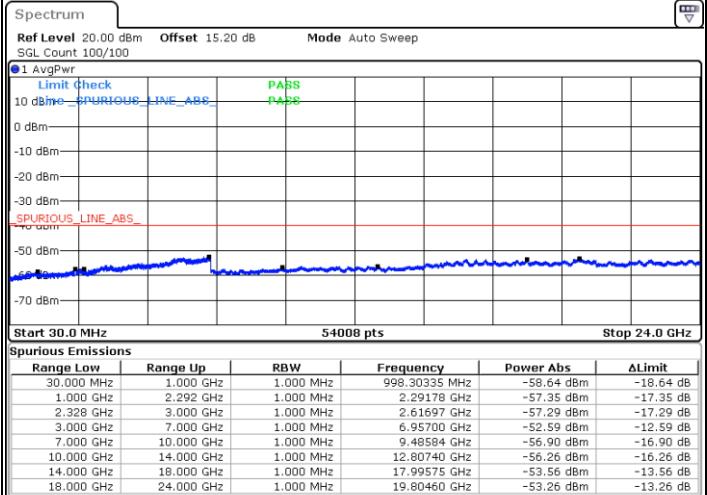
LTE Band 30 / 5MHz

Lowest Channel / 64QAM



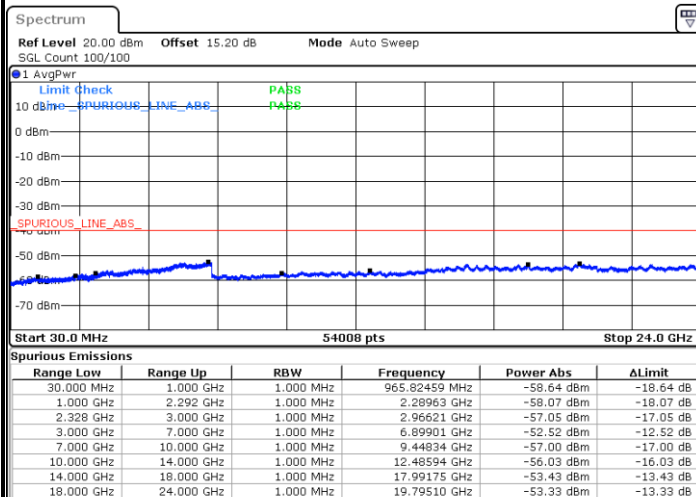
Date: 8.FEB.2023 17:43:13

Middle Channel / 64QAM



Date: 8.FEB.2023 17:44:15

Highest Channel / 64QAM



Date: 8.FEB.2023 17:45:17

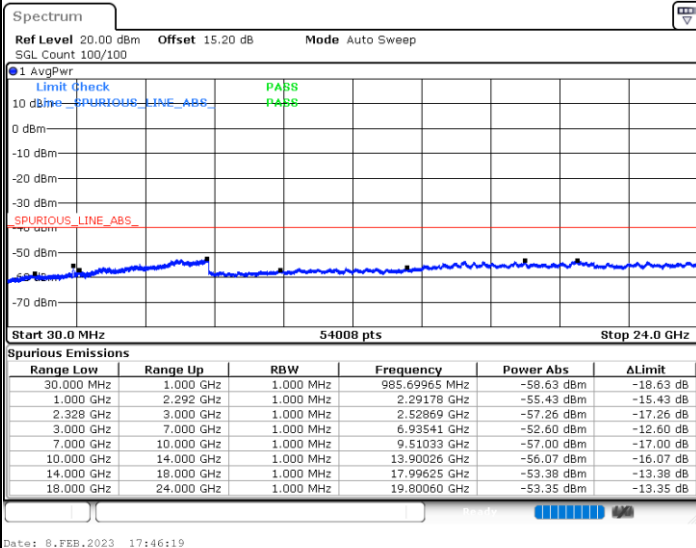
NA



LTE Band 30 / 10MHz

Middle Channel / 64QAM

NA



Frequency Stability

Test Conditions		LTE Band 30 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0007	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0020	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0008	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

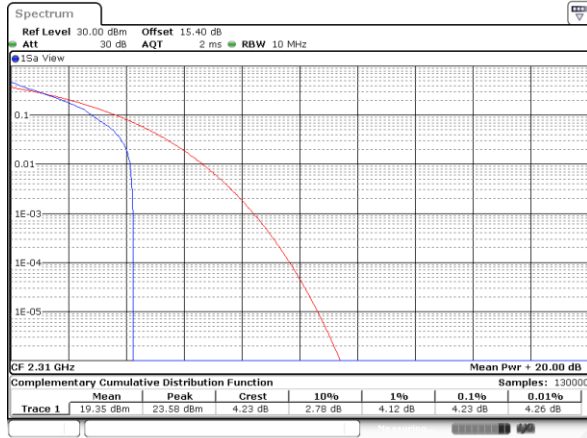
Note:

1. Normal Voltage =7.78 V. ; Battery End Point (BEP) =7.3 V. ; Maximum Voltage =8.7 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

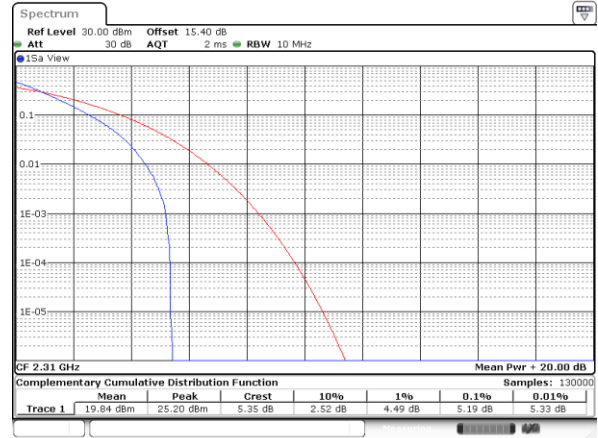
LTE Band 30 (Second PA)

Peak-to-Average Ratio

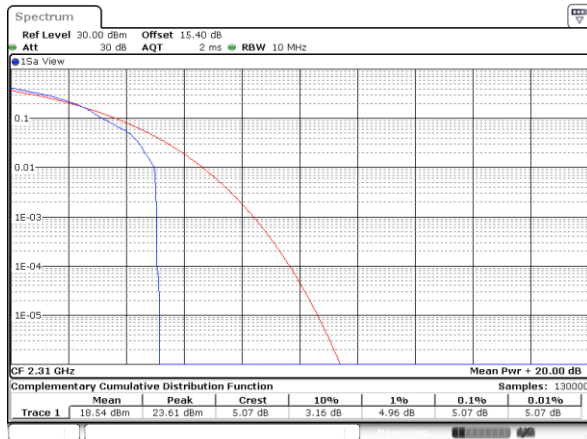
Mode	LTE Band 30 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	4.23	5.19	5.07	6.20	
Highest CH	-	-	-	-	
Mode	LTE Band 30 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	5.77	6.81	-	-	
Highest CH	-	-	-	-	

LTE Band 30 / 10MHz / QPSK
Middle Channel / 1RB


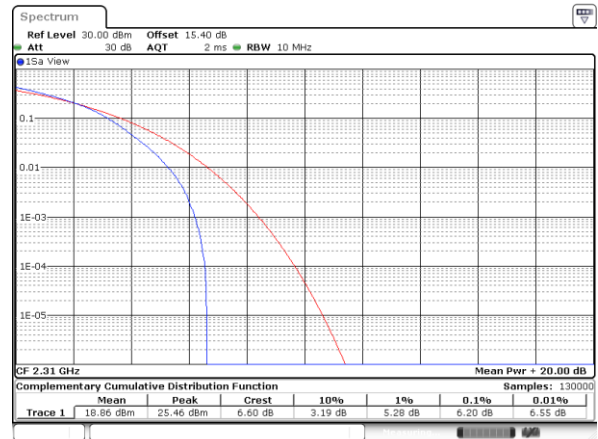
Date: 23.FEB.2023 17:55:56

Middle Channel / Full RB


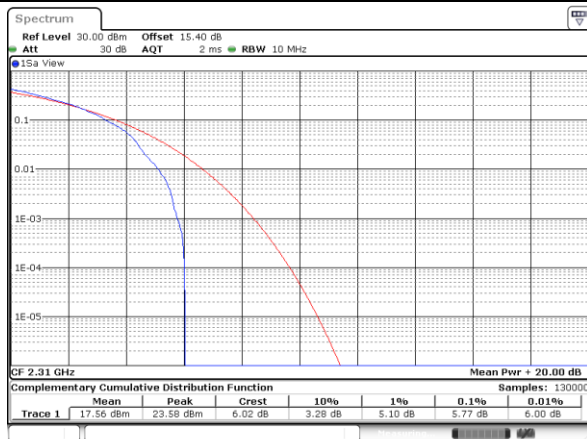
Date: 23.FEB.2023 17:56:21

LTE Band 30 / 10MHz / 16QAM
Middle Channel / 1RB


Date: 23.FEB.2023 17:55:06

Middle Channel / Full RB


Date: 23.FEB.2023 17:55:31

LTE Band 30 / 10MHz / 64QAM
Middle Channel / 1RB


Date: 23.FEB.2023 17:54:17

Middle Channel / Full RB


Date: 23.FEB.2023 17:54:42

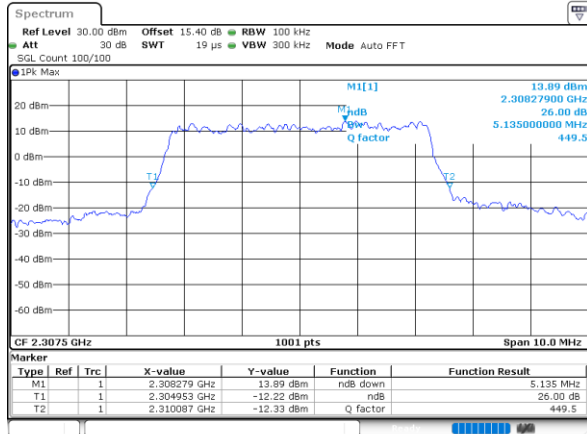
26dB Bandwidth

Mode	LTE Band 30 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.14	4.95	-	-	-	-	-	-
Middle CH	-	-	-	-	4.92	5.08	9.83	9.91	-	-	-	-
Highest CH	-	-	-	-	5.08	5.02	-	-	-	-	-	-
Mode	LTE Band 30 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	5.05	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.92	-	9.95	-	-	-	-	-
Highest CH	-	-	-	-	5.03	-	-	-	-	-	-	-

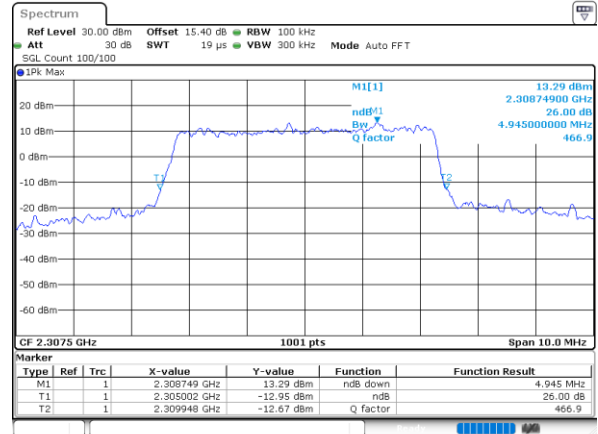


LTE Band 30

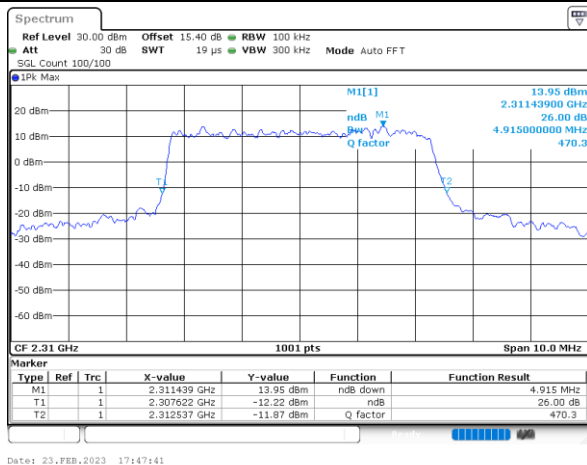
Lowest Channel / 5MHz / QPSK



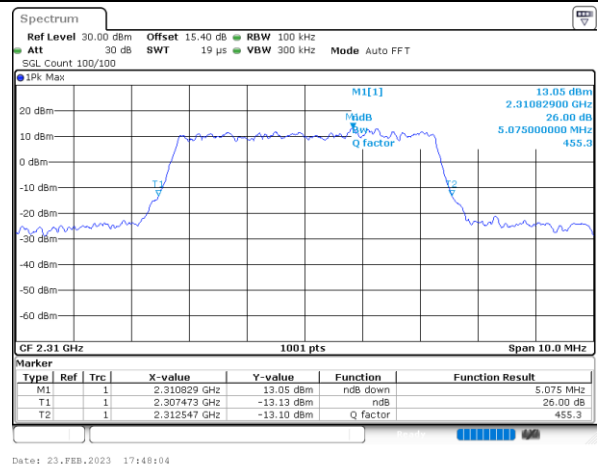
Lowest Channel / 5MHz / 16QAM



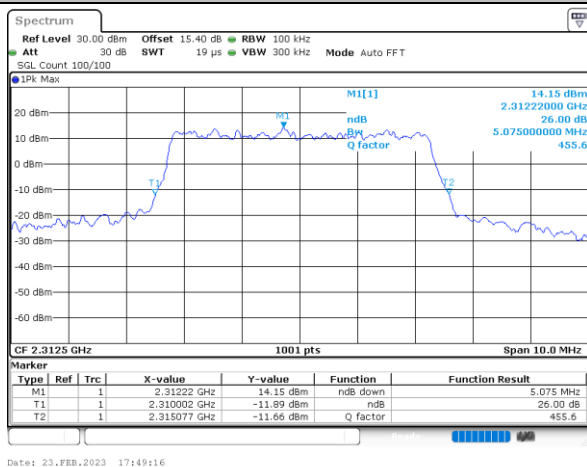
Middle Channel / 5MHz / QPSK



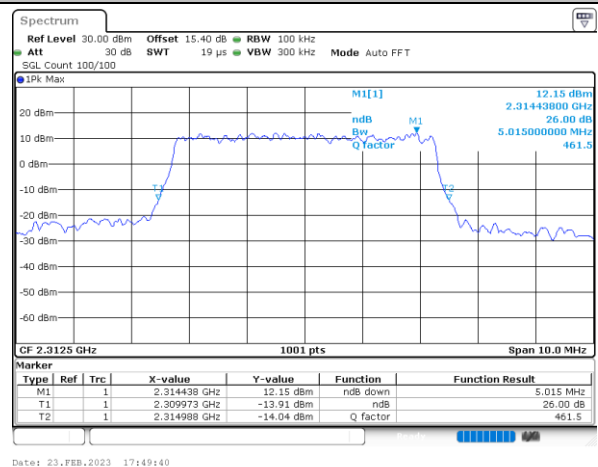
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

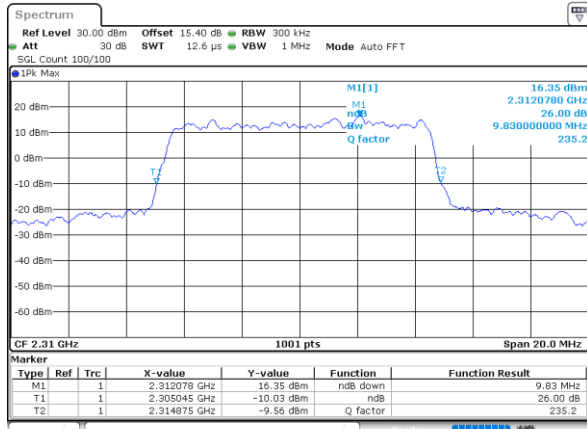


Highest Channel / 5MHz / 16QAM



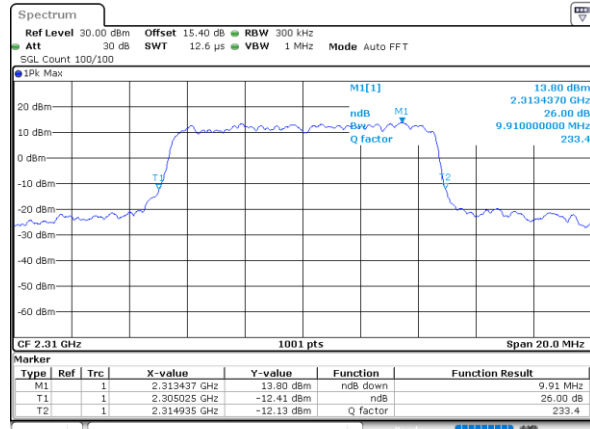
LTE Band 30

Middle Channel / 10MHz / QPSK



Date: 23.FEB.2023 17:50:52

Middle Channel / 10MHz / 16QAM

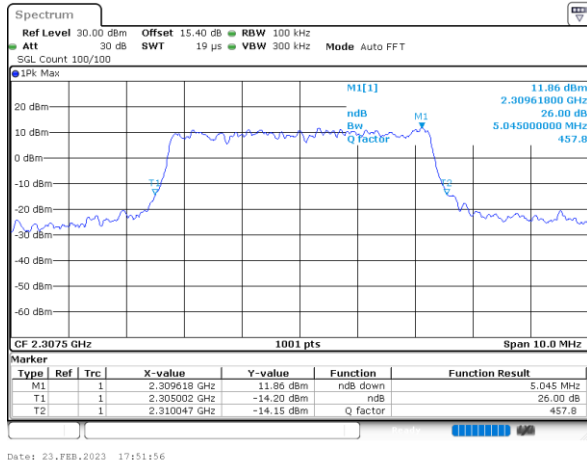


Date: 23.FEB.2023 17:51:16

LTE Band 30

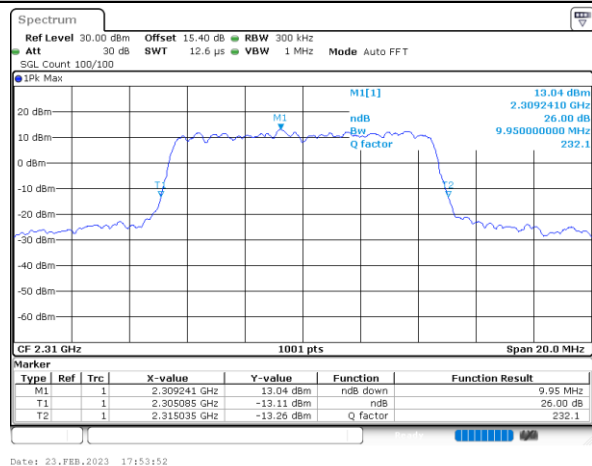
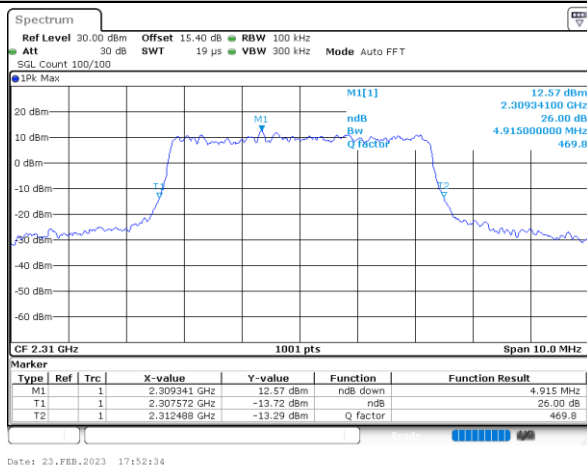
Lowest Channel / 5MHz / 64QAM

NA



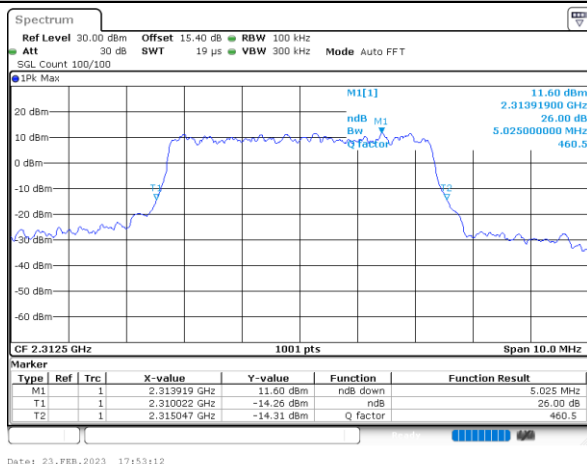
Middle Channel / 5MHz / 64QAM

Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

NA



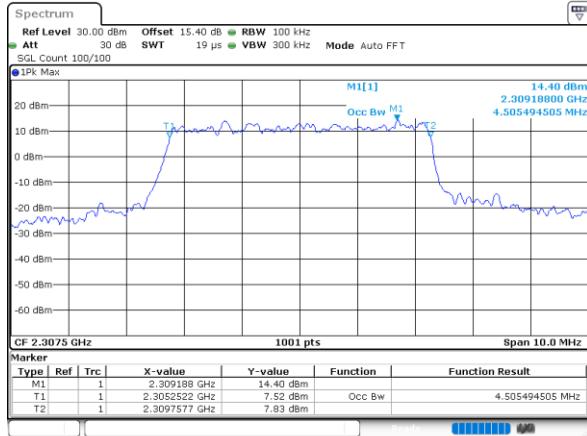
Occupied Bandwidth

Mode	LTE Band 30 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.51	4.51	-	-	-	-	-	-
Middle CH	-	-	-	-	4.51	4.49	9.07	9.07	-	-	-	-
Highest CH	-	-	-	-	4.51	4.50	-	-	-	-	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.53	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.50	-	8.99	-	-	-	-	-
Highest CH	-	-	-	-	4.51	-	-	-	-	-	-	-

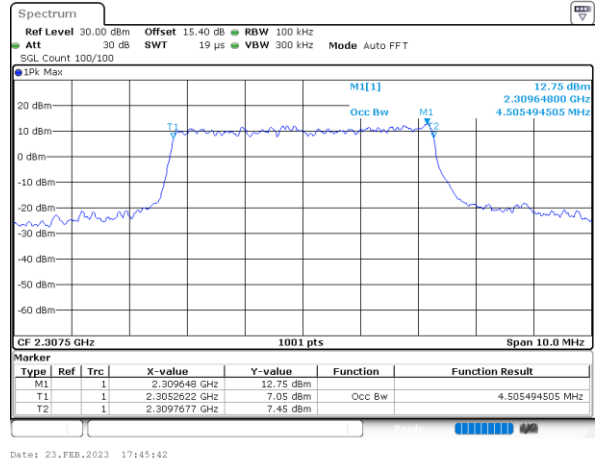


LTE Band 30

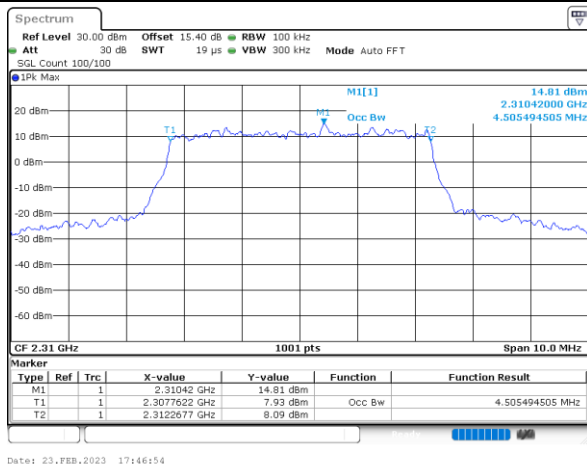
Lowest Channel / 5MHz / QPSK



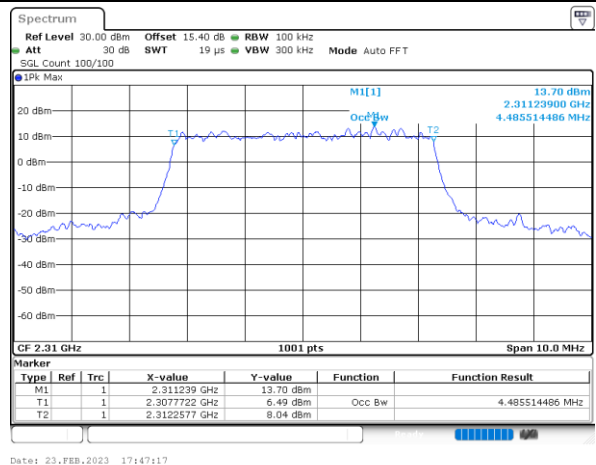
Lowest Channel / 5MHz / 16QAM



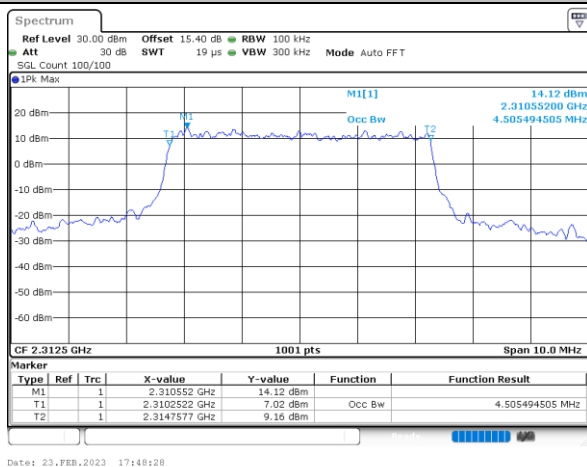
Middle Channel / 5MHz / QPSK



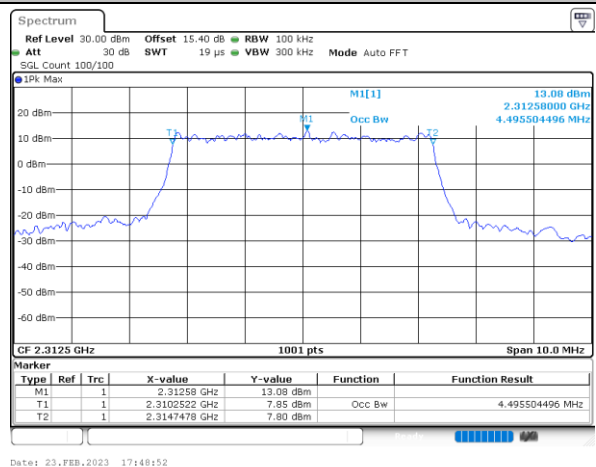
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

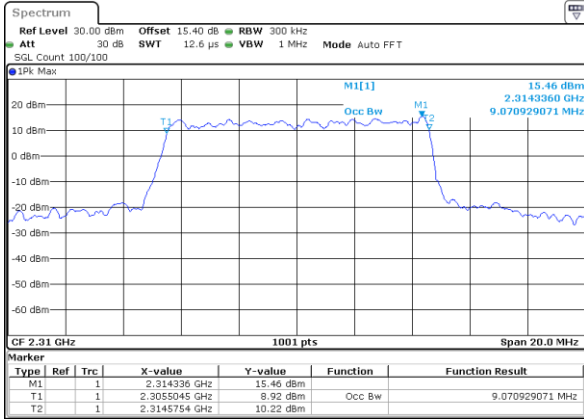


Highest Channel / 5MHz / 16QAM



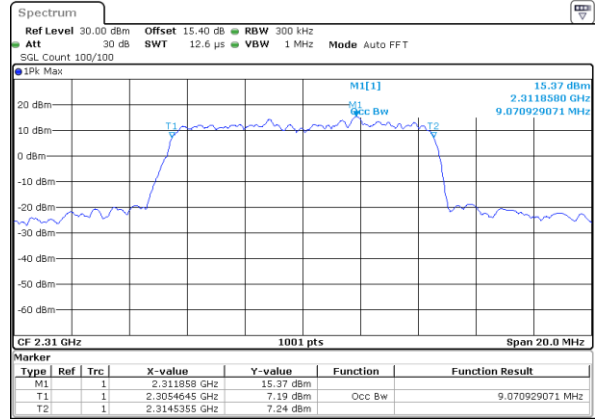
LTE Band 30

Middle Channel / 10MHz / QPSK



Date: 23.FEB.2023 17:50:05

Middle Channel / 10MHz / 16QAM

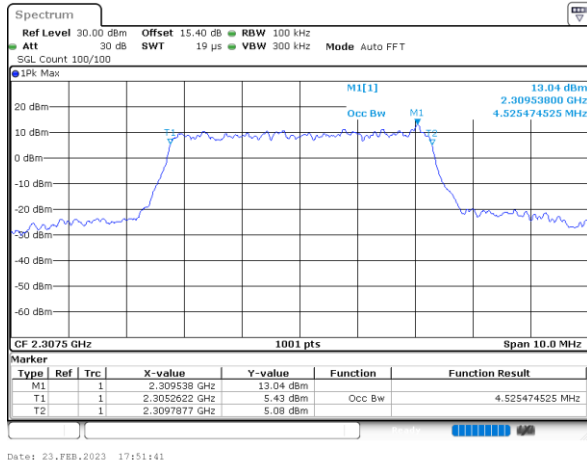


Date: 23.FEB.2023 17:50:29

LTE Band 30

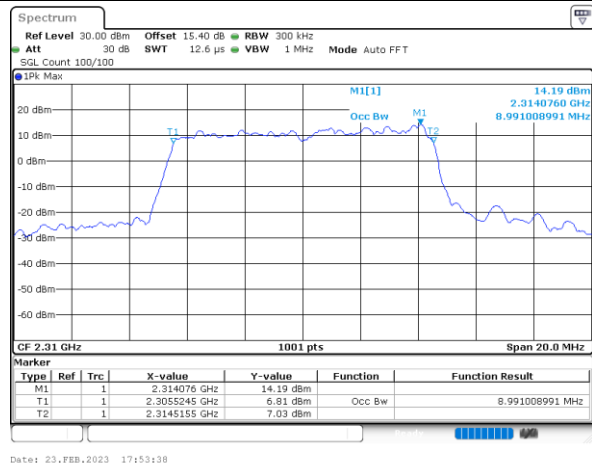
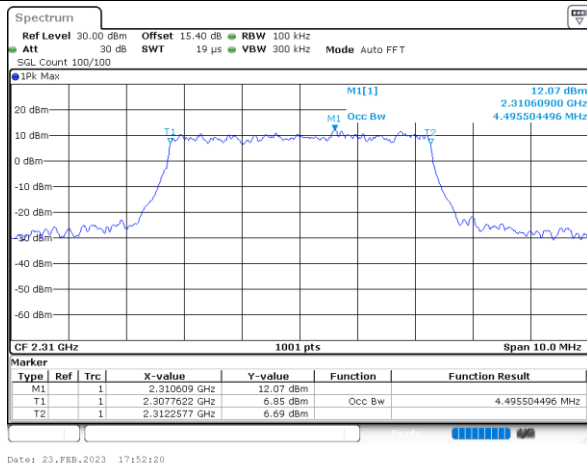
Lowest Channel / 5MHz / 64QAM

NA



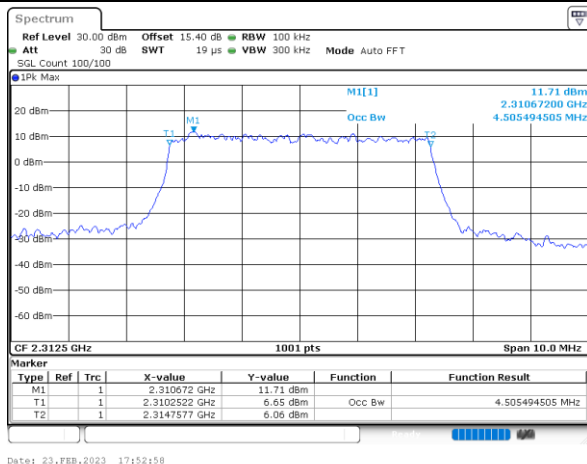
Middle Channel / 5MHz / 64QAM

Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

NA

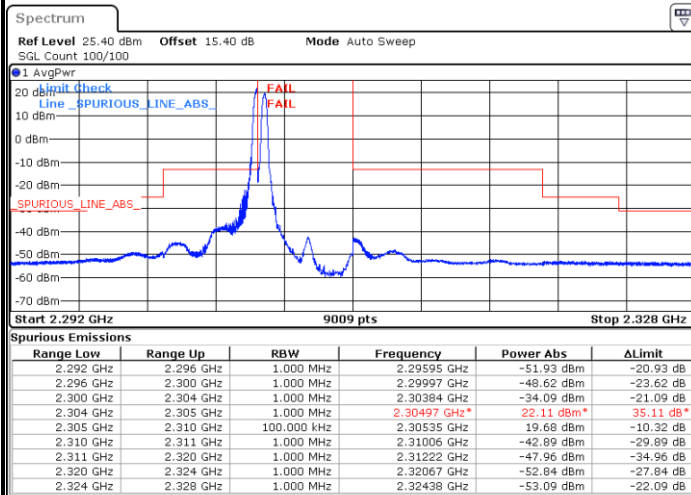




Conducted Band Edge

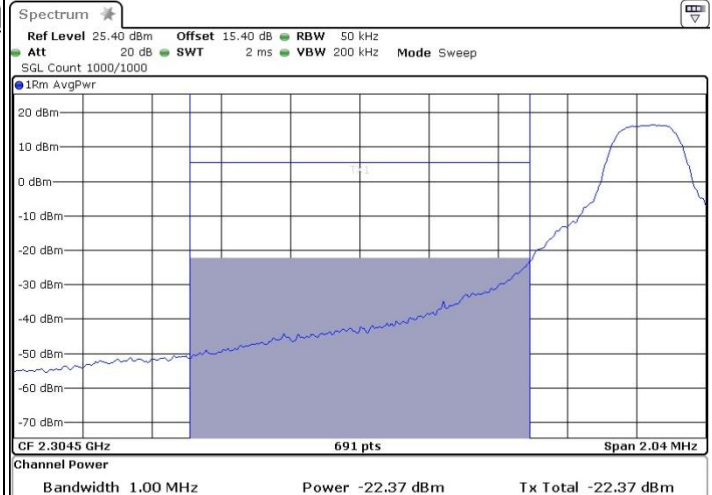
LTE Band 30 / 5MHz / QPSK

Lowest Band Edge / 1 RB

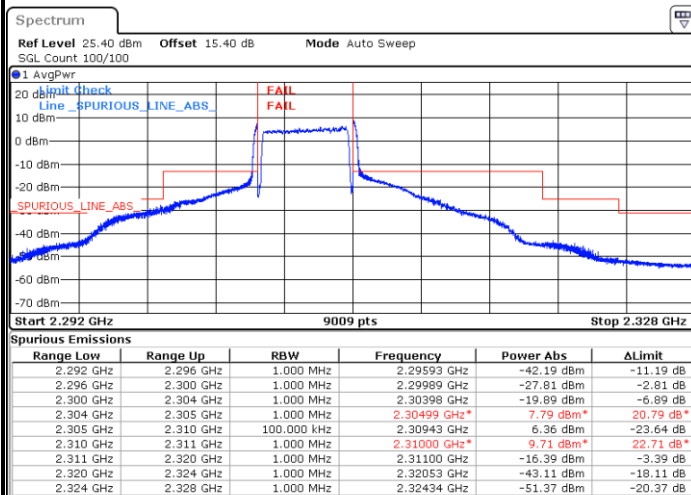


Lowest Band Edge / 1 RB

1MHz Power < -13dBm, Pass

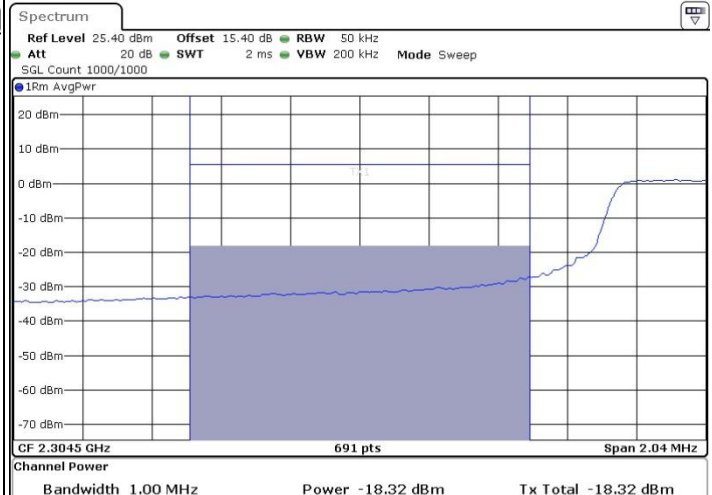


Lowest Band Edge / Full RB



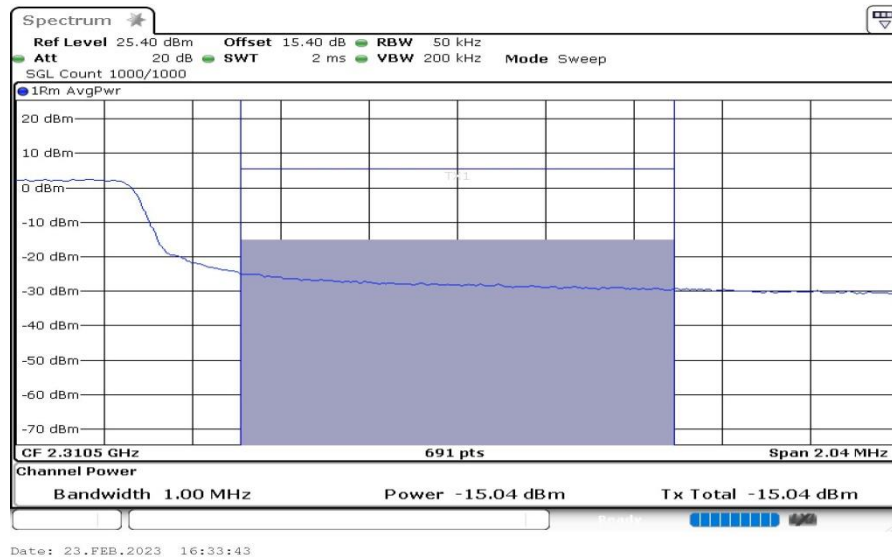
Lowest Band Edge / Full RB-CP

1MHz Power < -13dBm, Pass



Lowest Band Edge / Full RB

1MHz Power < -13dBm, Pass



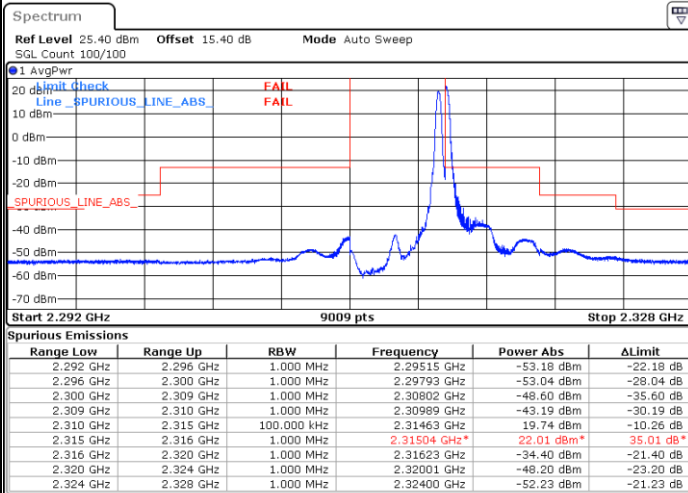


LTE Band 30 / 5MHz / QPSK

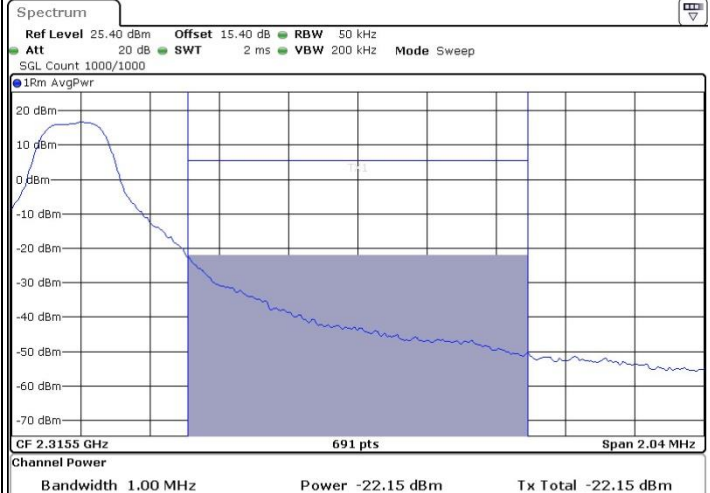
Highest Band Edge / 1 RBmax

Highest Band Edge / 1 RBmax

1MHz Power < -13dBm, Pass



Date: 23.FEB.2023 15:48:05

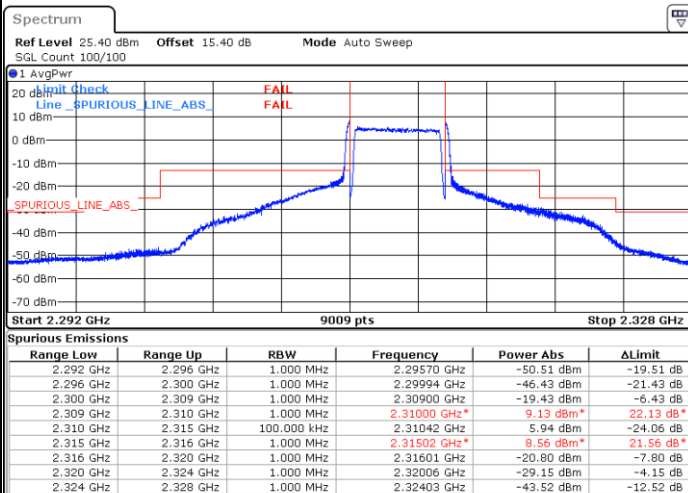


Date: 23.FEB.2023 17:02:07

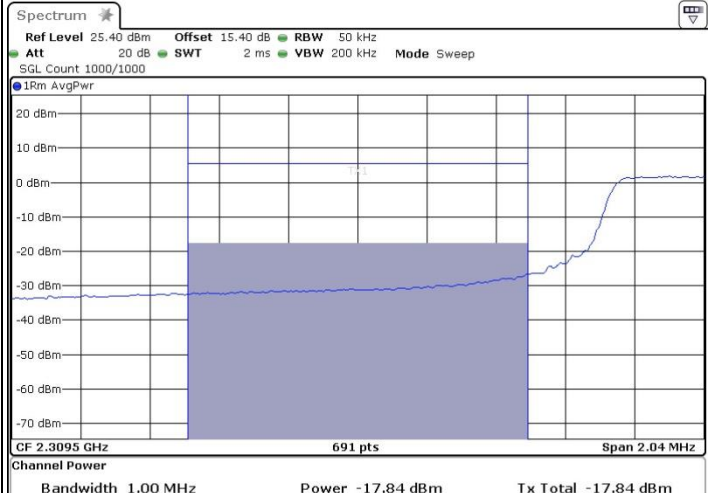
Highest Band Edge / Full RB

Highest Band Edge / Full RB

1MHz Power < -13dBm, Pass



Date: 23.FEB.2023 15:51:10

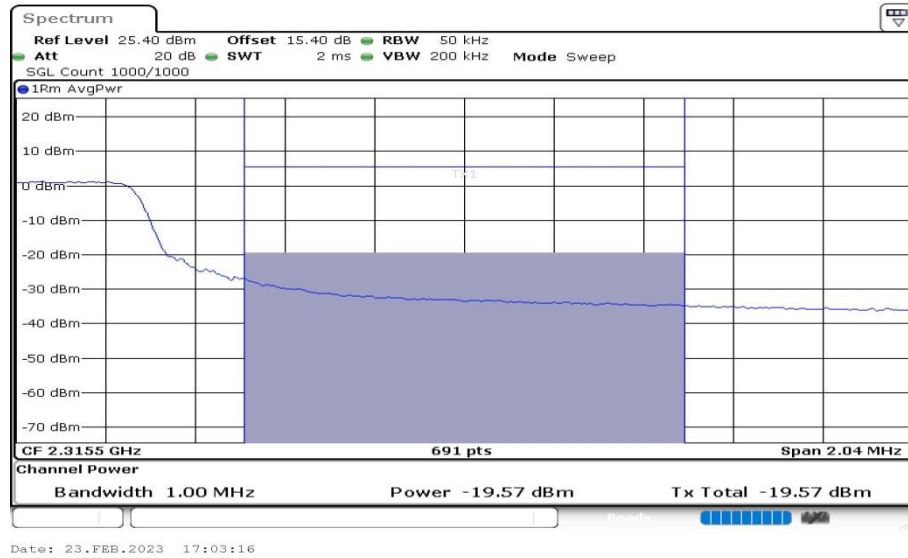


Date: 23.FEB.2023 17:03:38



Highest Band Edge / Full RB

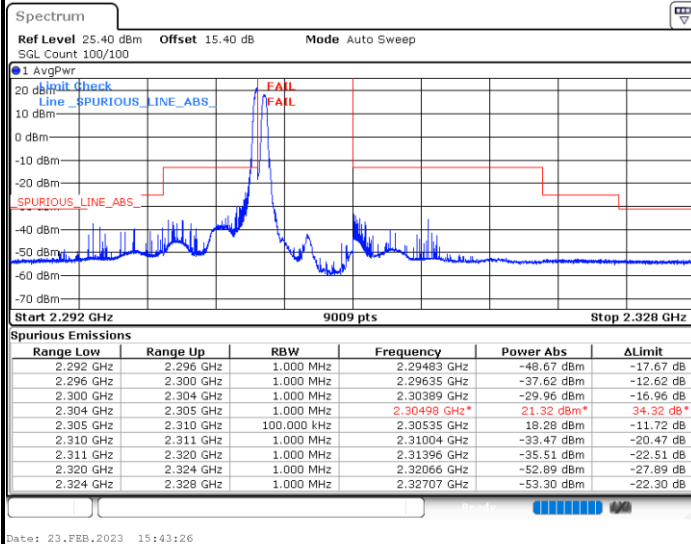
1MHz Power < -13dBm, Pass





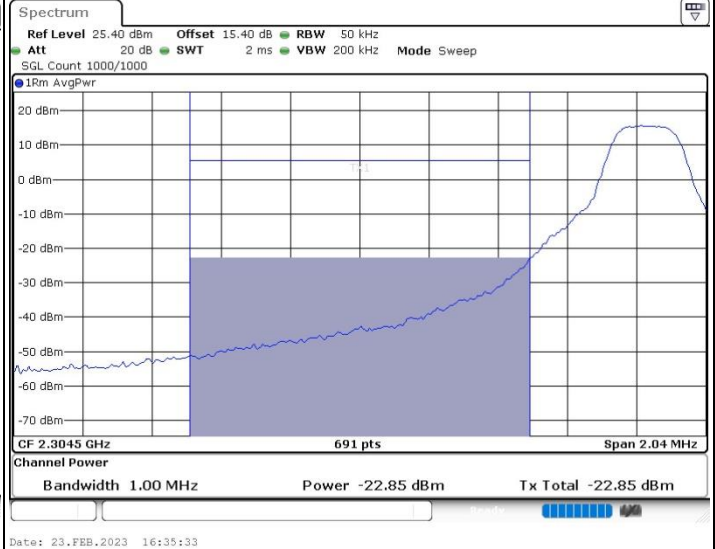
LTE Band 30 / 5MHz / 16QAM

Lowest Band Edge / 1RB

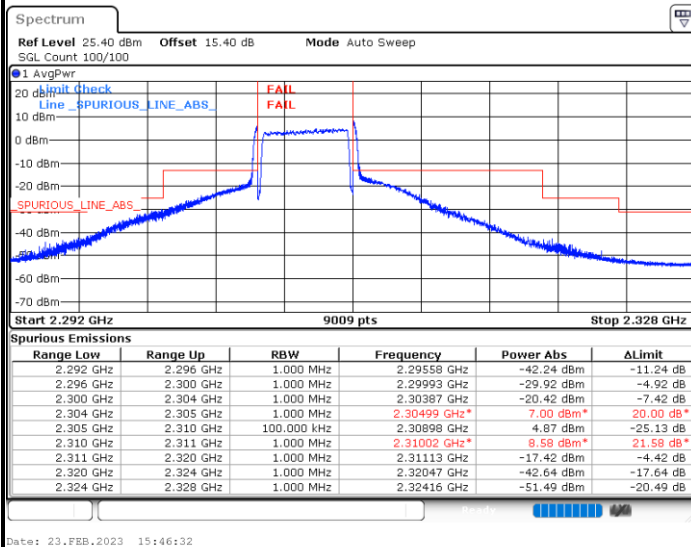


Lowest Band Edge / 1RB

1MHz Power < -13dBm, Pass

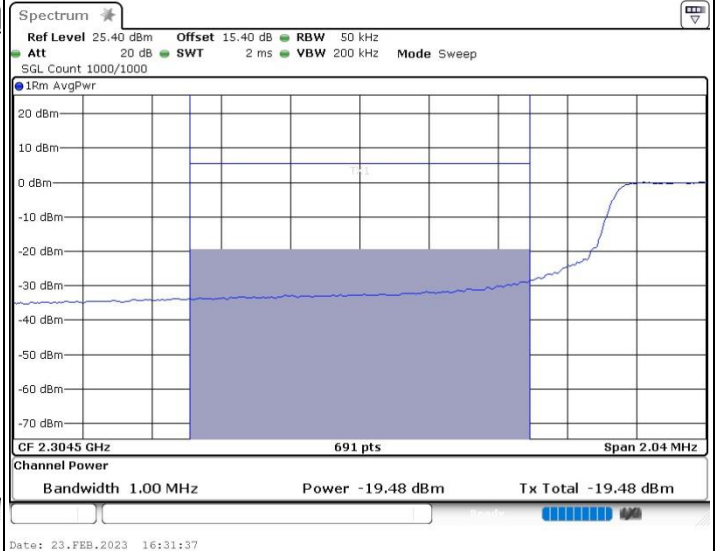


Lowest Band Edge / Full RB



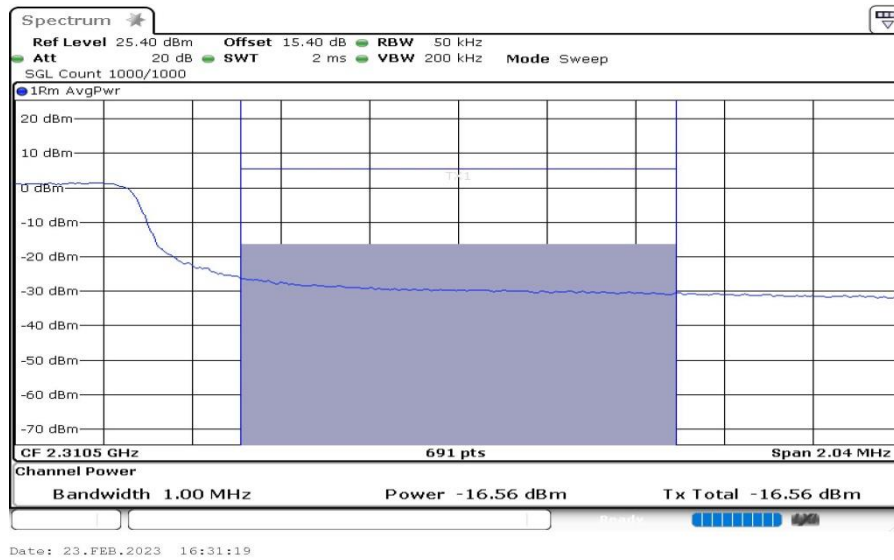
Lowest Band Edge / Full RB

1MHz Power < -13dBm, Pass



Lowest Band Edge / Full RB

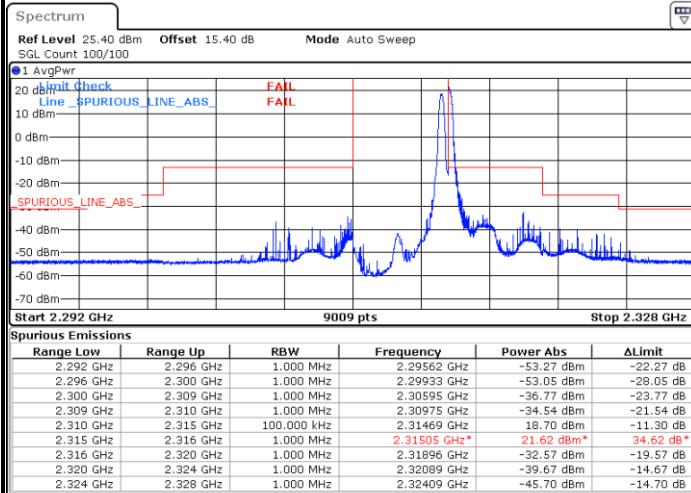
1MHz Power < -13dBm, Pass





LTE Band 30 / 5MHz / 16QAM

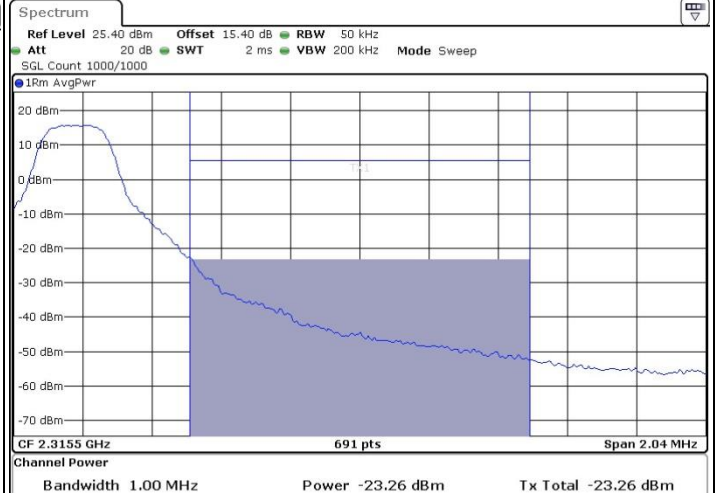
Highest Band Edge /1RBmax



Date: 23.FEB.2023 15:49:37

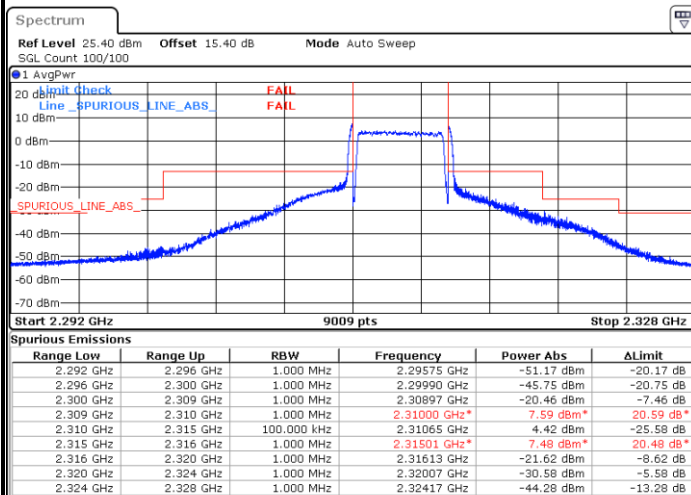
Highest Band Edge /1RBmax

1MHz Power < -13dBm, Pass



Date: 23.FEB.2023 17:01:37

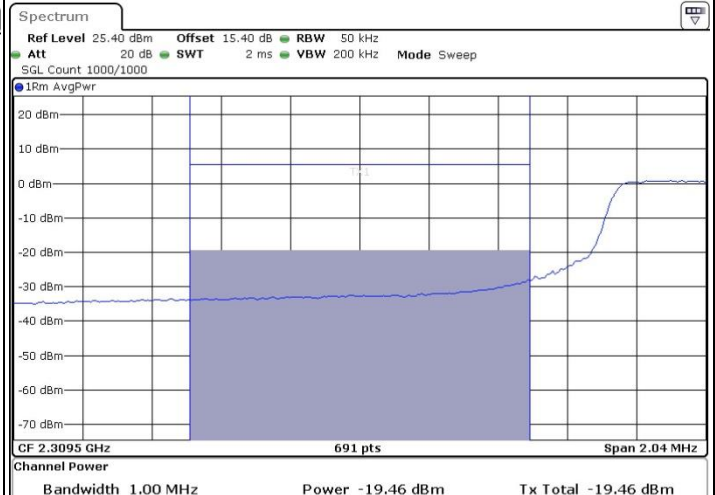
Highest Band Edge / Full RB



Date: 23.FEB.2023 15:52:43

Highest Band Edge / Full RB

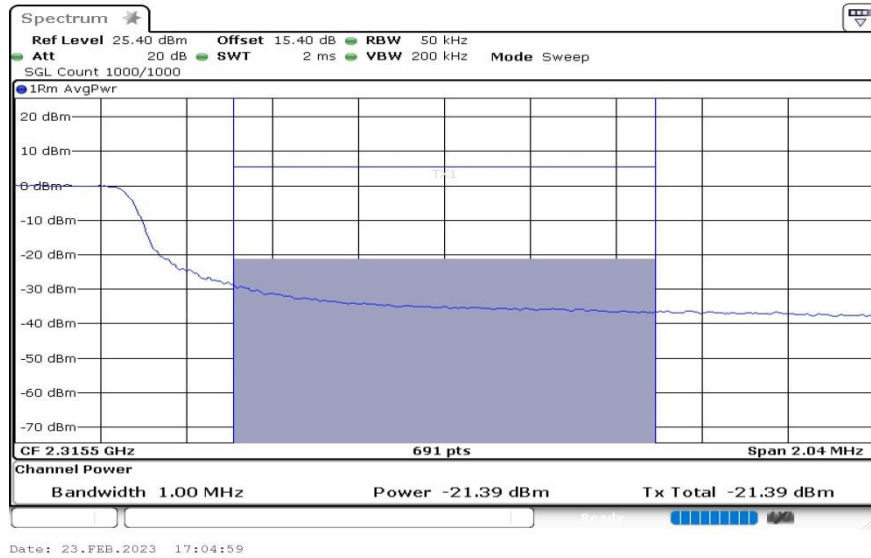
1MHz Power < -13dBm, Pass



Date: 23.FEB.2023 17:04:39

Highest Band Edge / Full RB

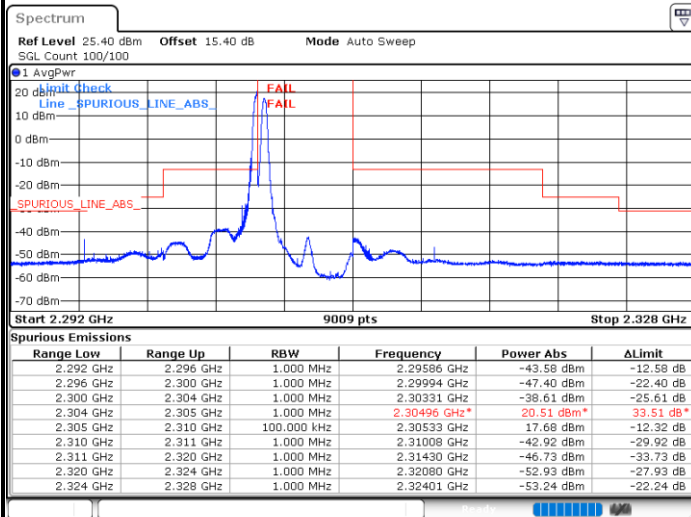
1MHz Power < -13dBm, Pass





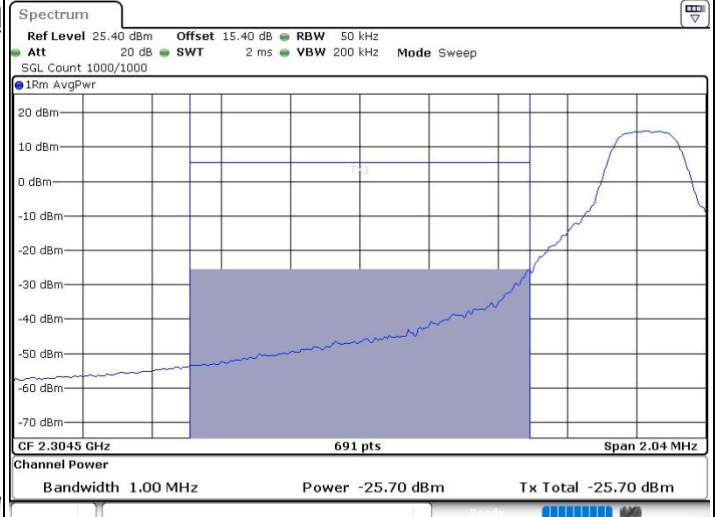
LTE Band 30 / 5MHz / 64QAM

Lowest Band Edge / 1RB



Lowest Band Edge / 1RB

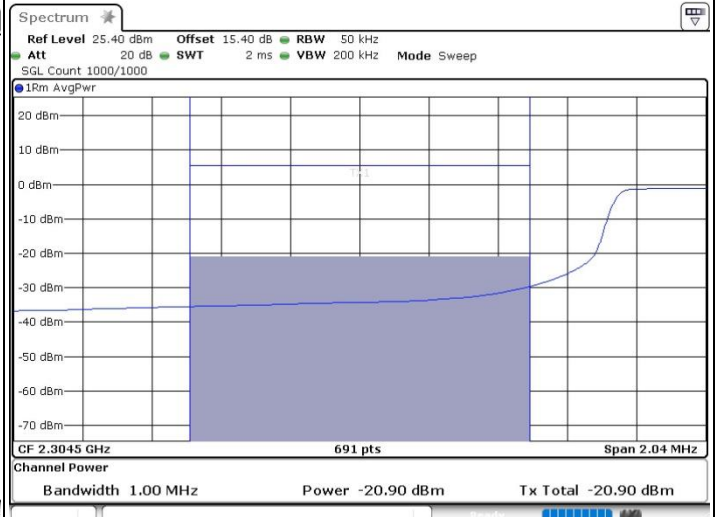
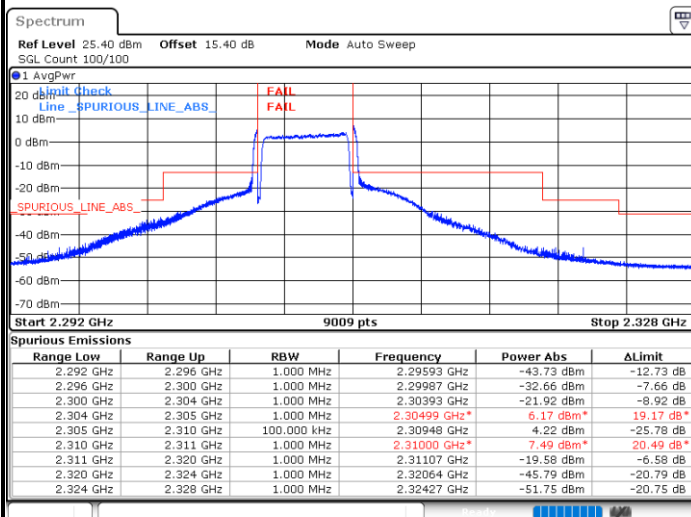
1MHz Power < -13dBm, Pass



Lowest Band Edge / Full RB

Lowest Band Edge / Full RB

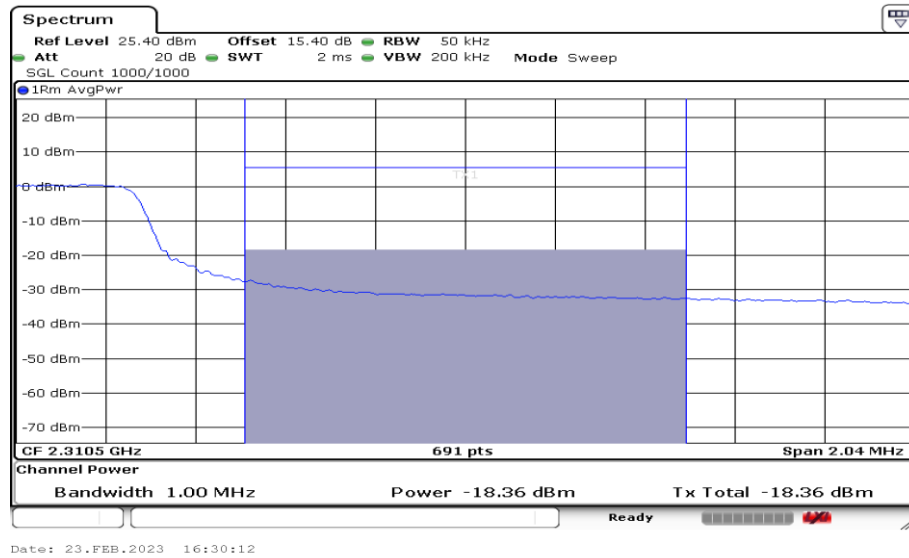
1MHz Power < -13dBm, Pass





Lowest Band Edge / Full RB

1MHz Power < -13dBm, Pass



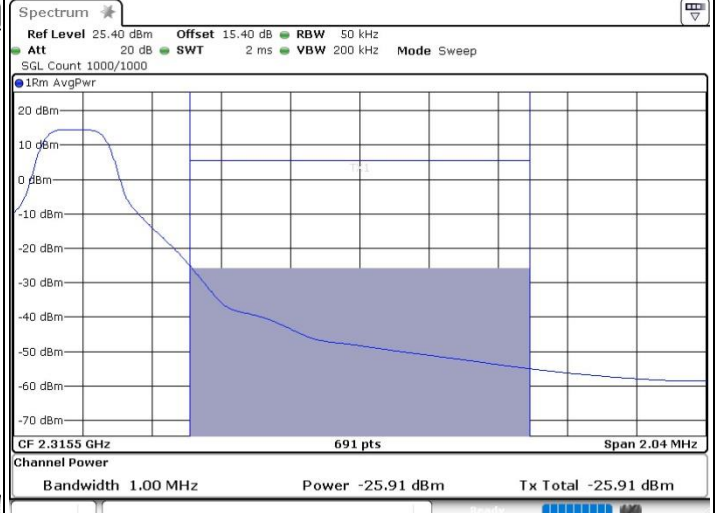
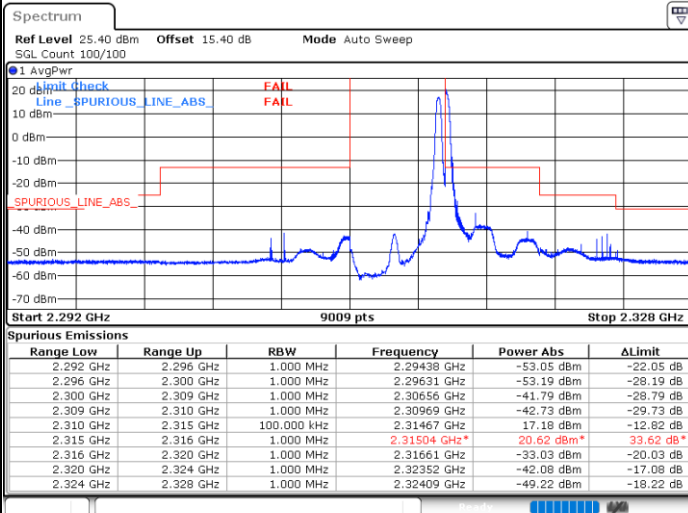


LTE Band 30 / 5MHz / 64QAM

Highest Band Edge / 1 RBmax

Highest Band Edge / 1 RBmax

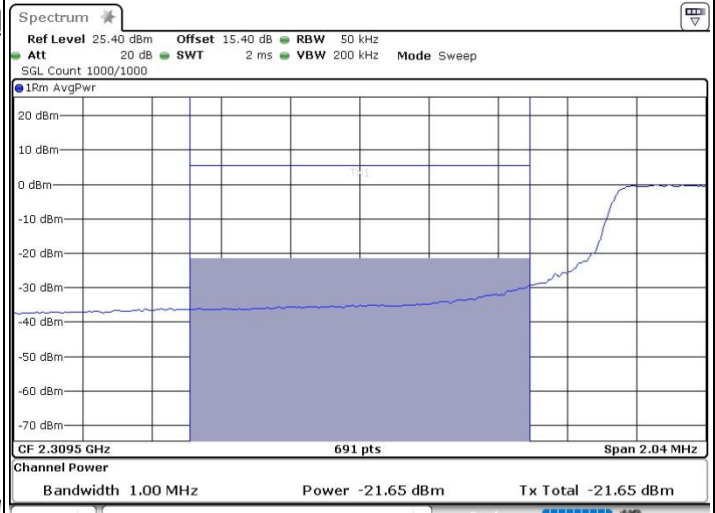
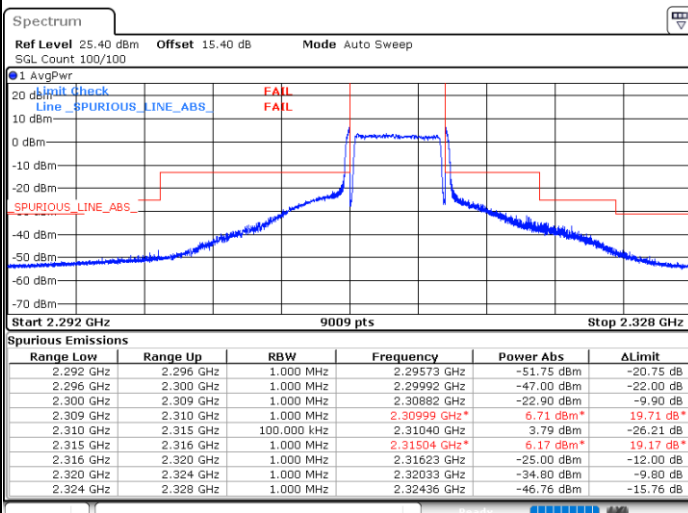
1MHz Power < -13dBm, Pass



Highest Band Edge / Full RB

Highest Band Edge / Full RB

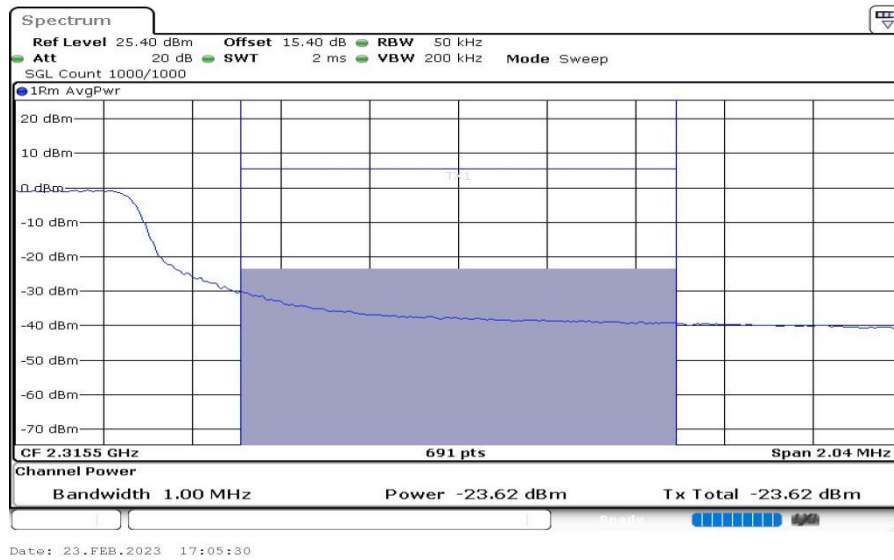
1MHz Power < -13dBm, Pass





Highest Band Edge / Full RB

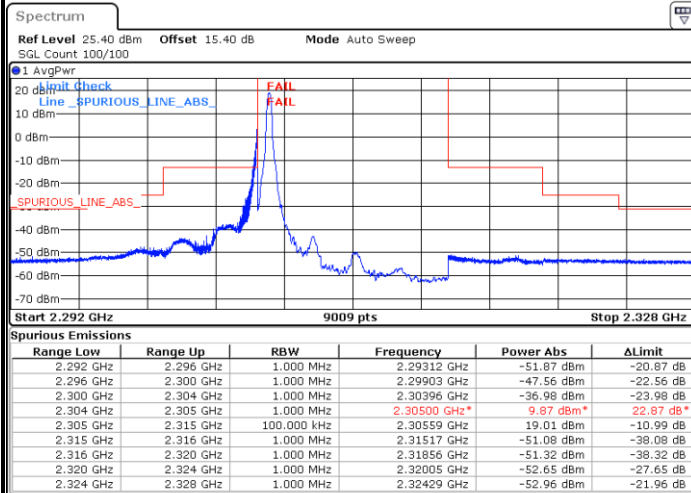
1MHz Power < -13dBm, Pass





LTE Band 30 / 10MHz / QPSK

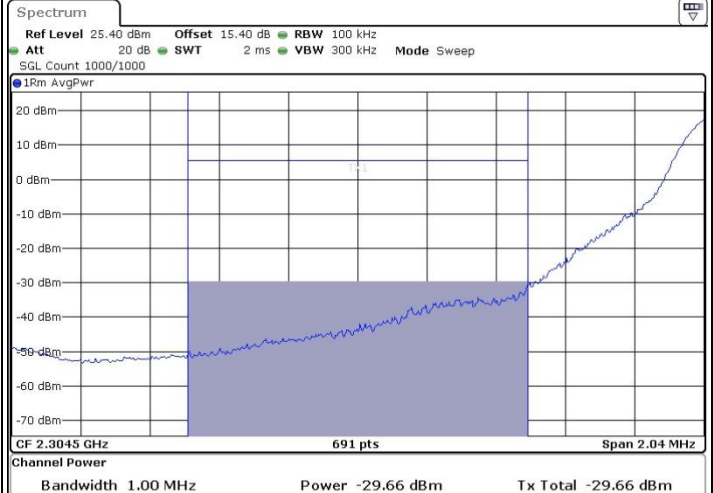
Highest Band Edge / 1 RB



Date: 23.FEB.2023 15:54:18

Highest Band Edge / 1 RB

1MHz Power < -13dBm, Pass

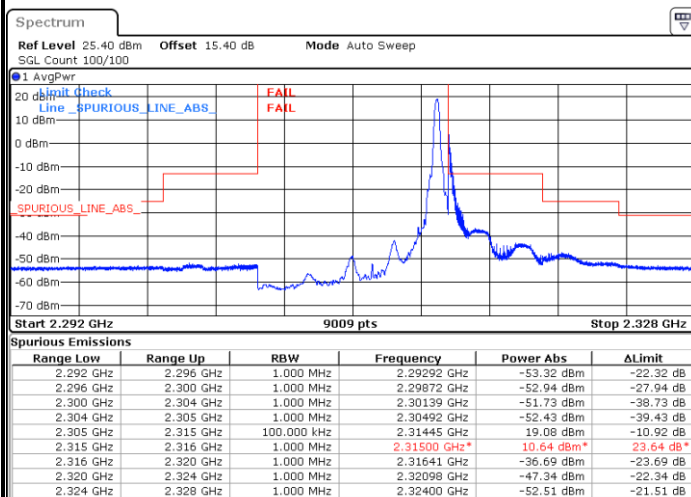


Date: 23.FEB.2023 17:23:23

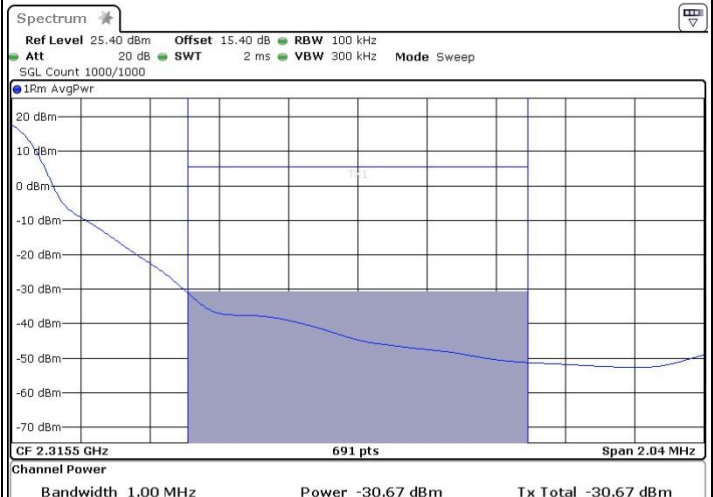
Highest Band Edge / 1 RBmax

Highest Band Edge / 1 RBmax

1MHz Power < -13dBm, Pass



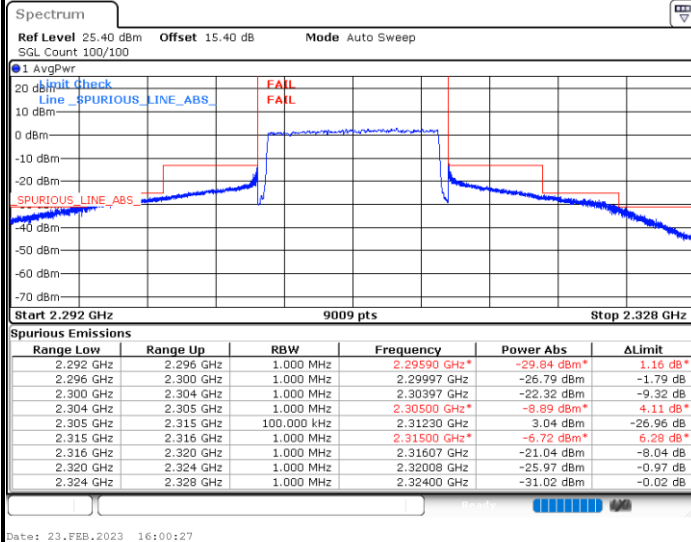
Date: 23.FEB.2023 15:57:22



Date: 23.FEB.2023 17:19:55

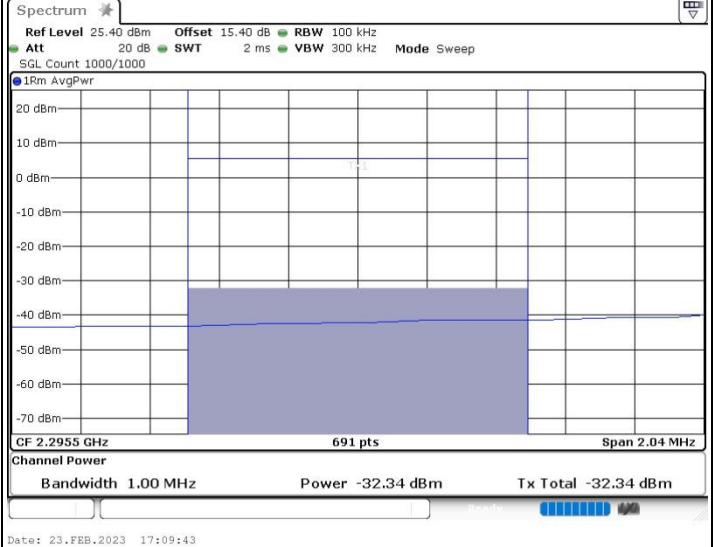


Highest Band Edge / Full RB



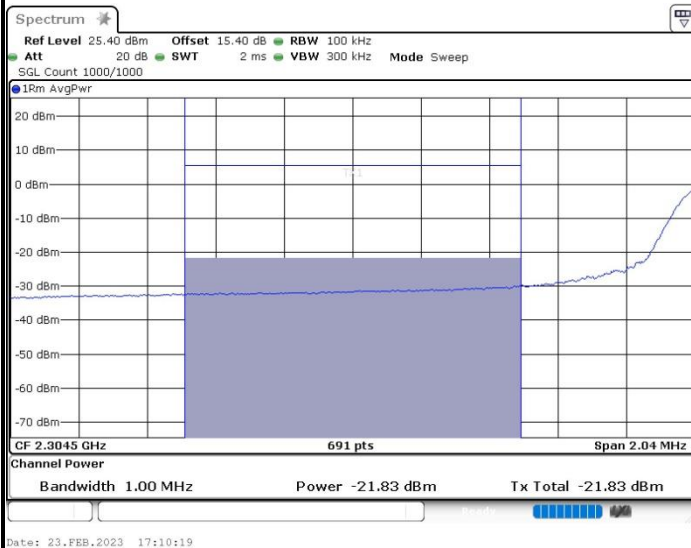
Highest Band Edge / Full RB

1MHz Power < -31dBm, Pass



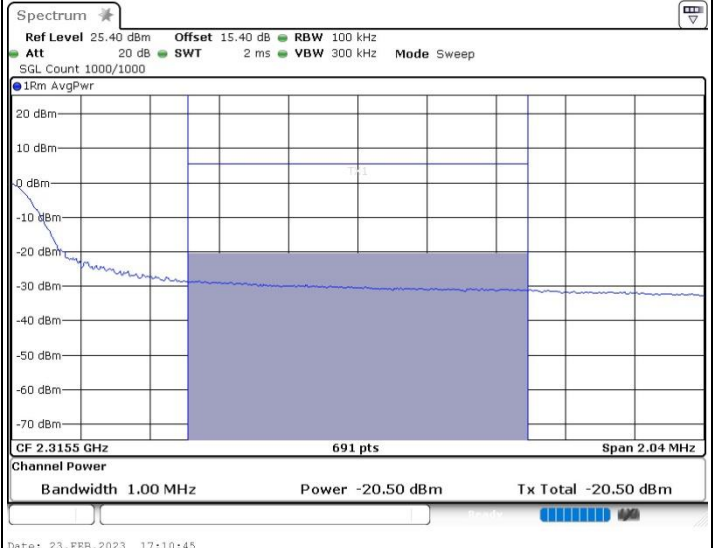
Highest Band Edge / Full RB

1MHz Power < -13dBm, Pass



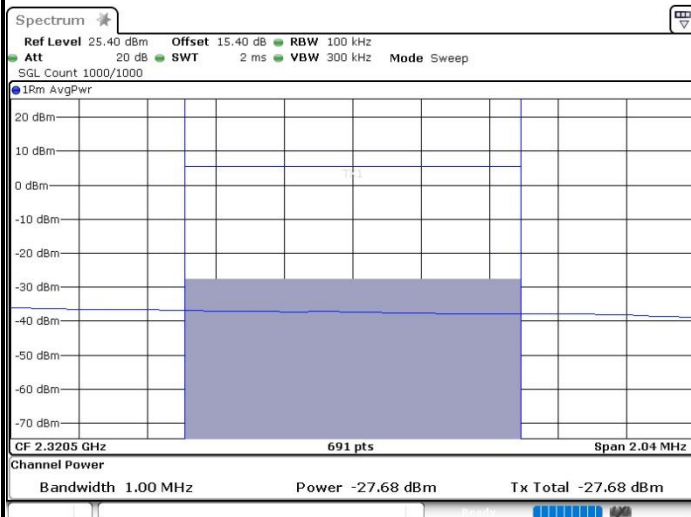
Highest Band Edge / Full RB

1MHz Power < -13dBm, Pass



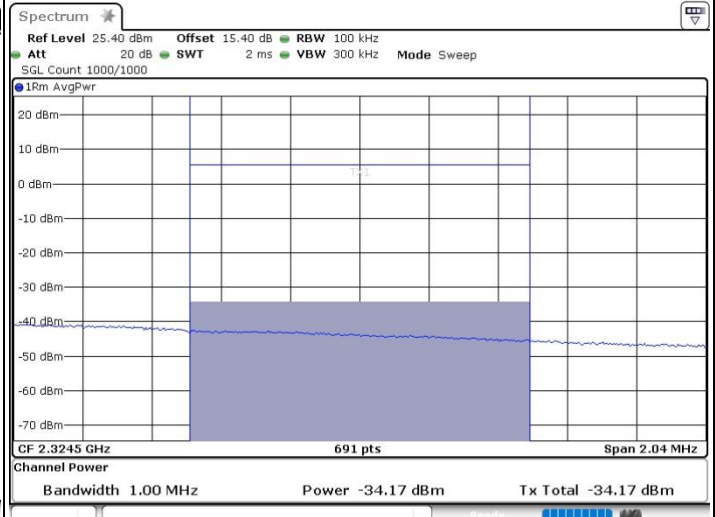


Highest Band Edge / Full RB
1MHz Power < -25dBm, Pass



Date: 24.FEB.2023 17:32:43

Highest Band Edge / Full RB
1MHz Power < -31dBm, Pass

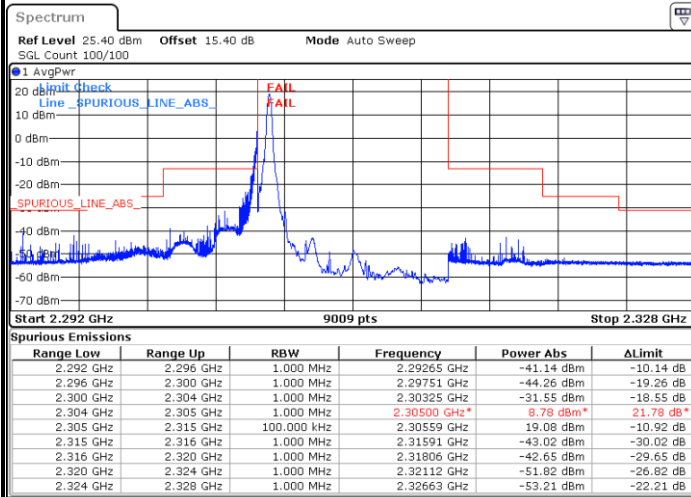


Date: 23.FEB.2023 17:11:10



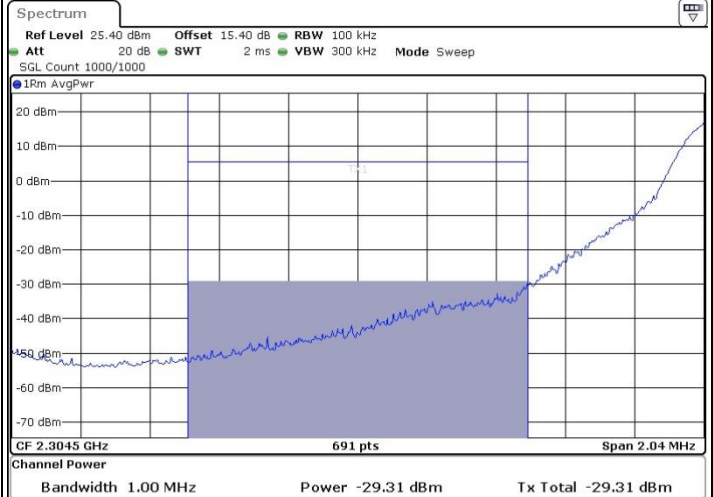
LTE Band 30 / 10MHz / 16QAM

Highest Band Edge / 1 RB

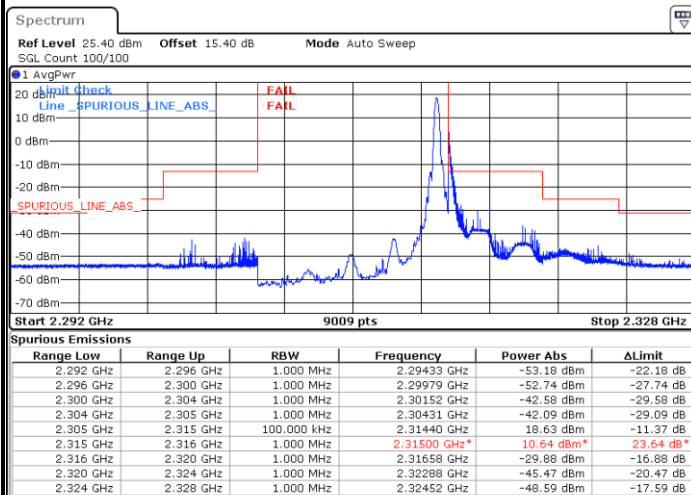


Highest Band Edge / 1 RB

1MHz Power < -13dBm, Pass

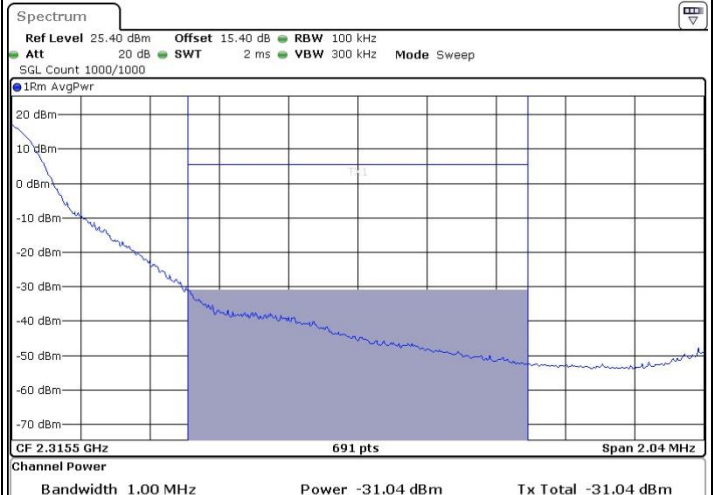


Highest Band Edge / 1 RBmax



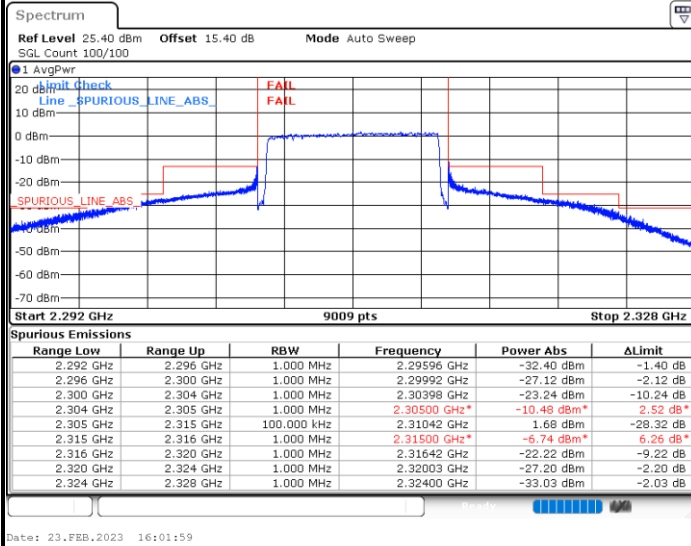
Highest Band Edge / 1 RBmax

1MHz Power < -13dBm, Pass



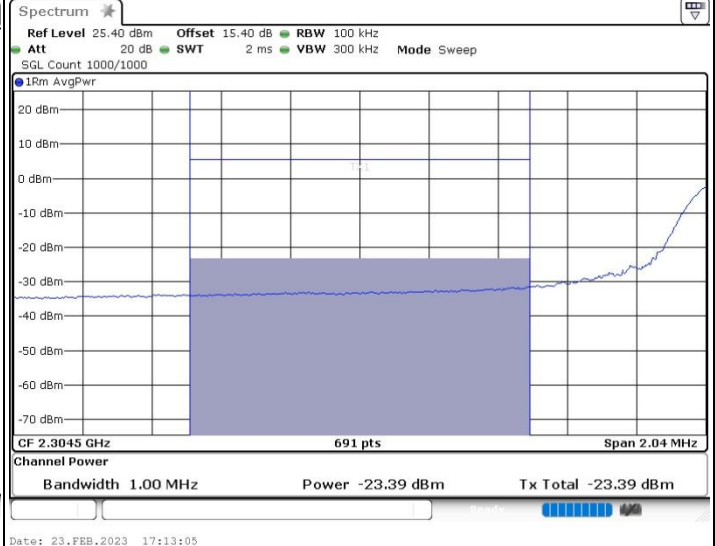


Highest Band Edge / Full RB



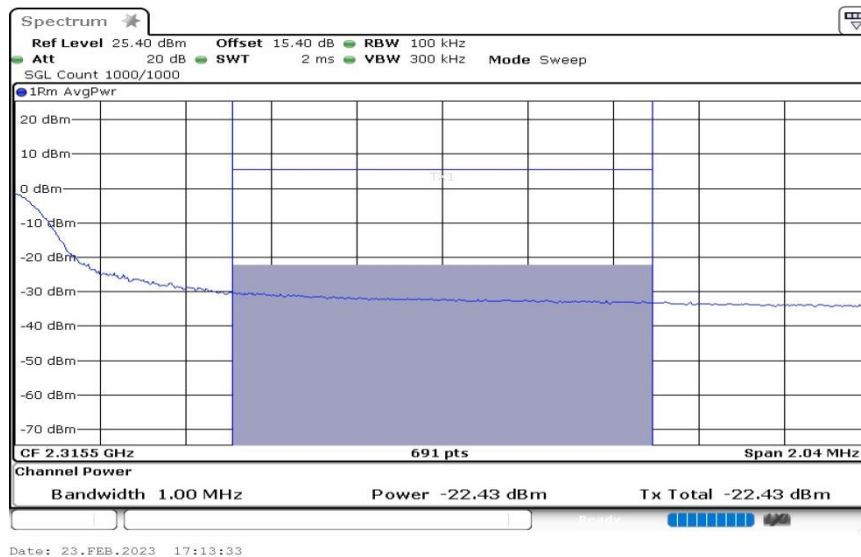
Highest Band Edge / Full RB

1MHz Power < -13dBm, Pass



Highest Band Edge / Full RB

1MHz Power < -13dBm, Pass



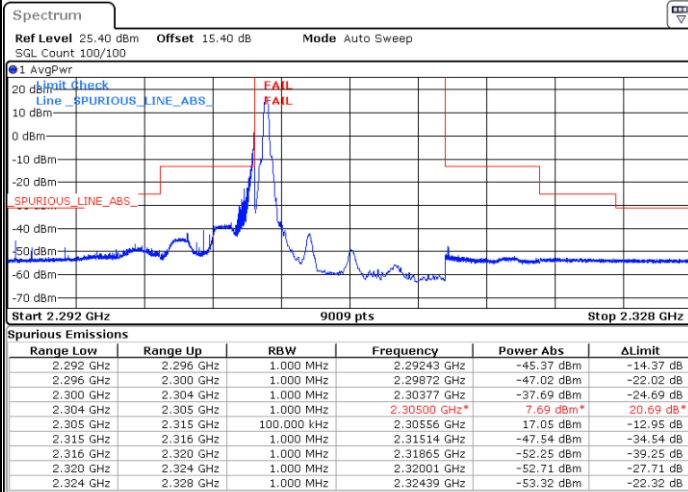


LTE Band 30 / 10MHz / 64QAM

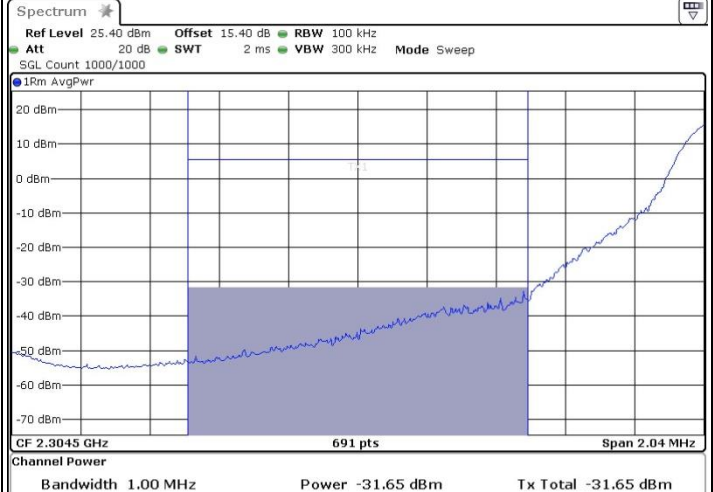
Highest Band Edge / 1 RB

Highest Band Edge / 1 RB

1MHz Power < -13dBm, Pass



Date: 23.FEB.2023 16:07:46

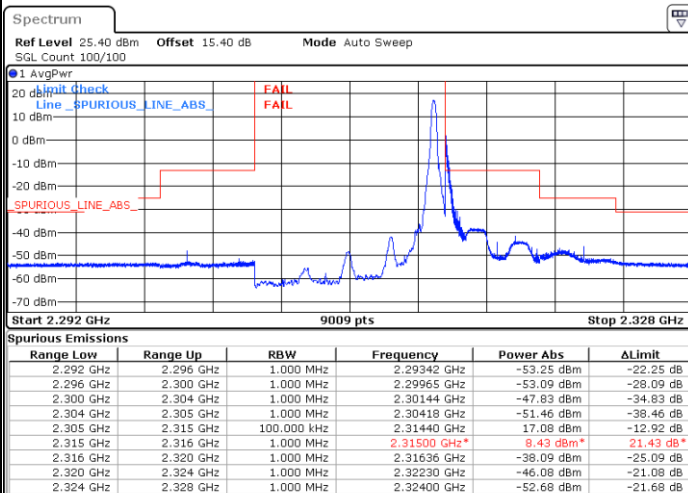


Date: 23.FEB.2023 17:22:32

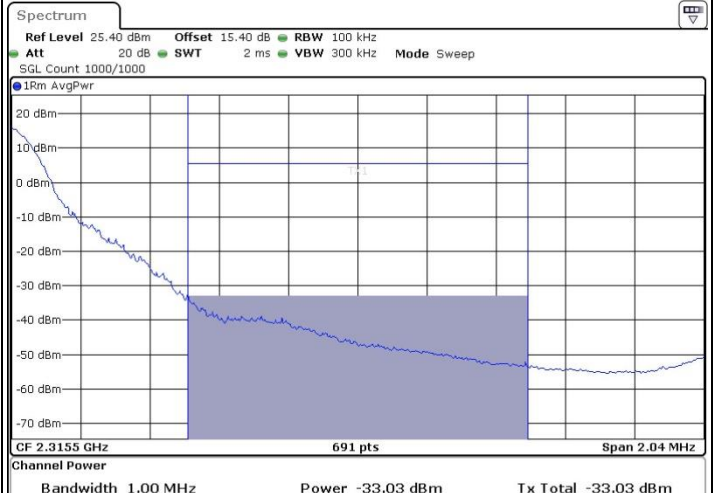
Highest Band Edge / 1 RBmax

Highest Band Edge / 1 RBmax

1MHz Power < -13dBm, Pass



Date: 23.FEB.2023 16:08:32



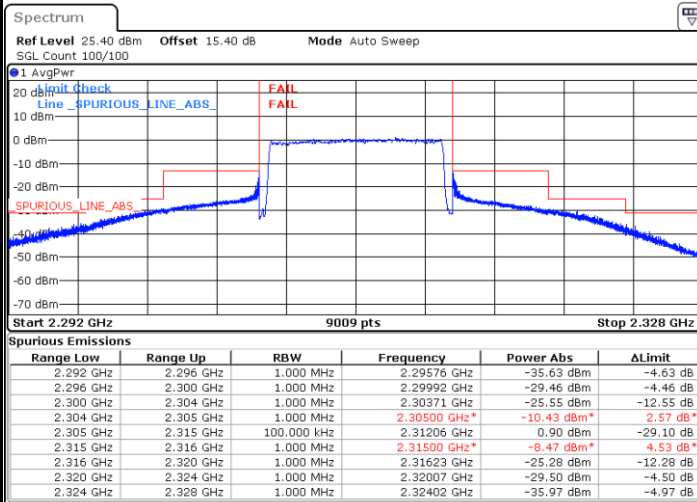
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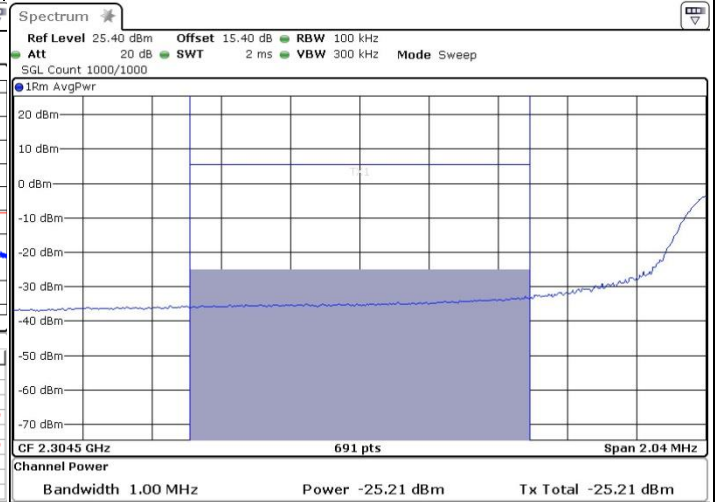
Highest Band Edge / Full RB

Highest Band Edge / Full RB

1MHz Power < -13dBm, Pass



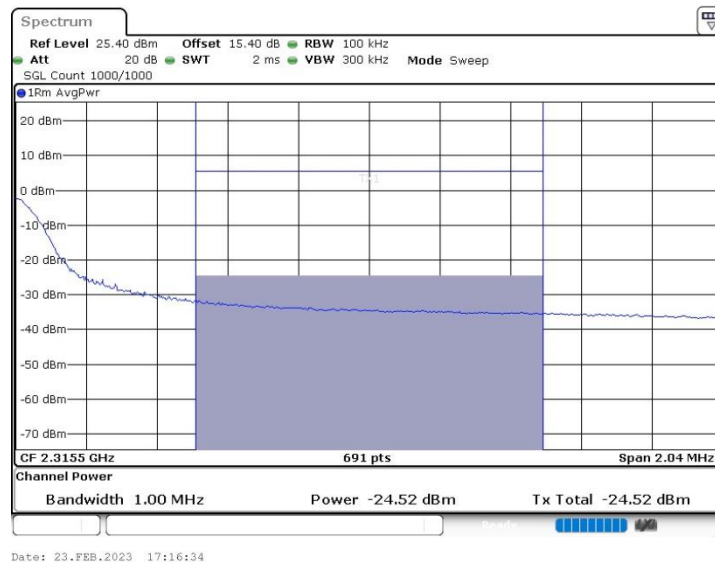
Date: 23.FEB.2023 16:06:42



Date: 23.FEB.2023 17:16:55

Highest Band Edge / Full RB

1MHz Power < -13dBm, Pass



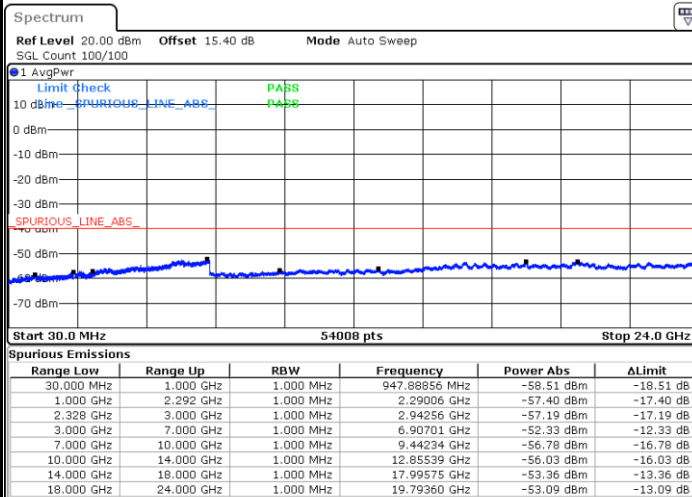
Date: 23.FEB.2023 17:16:34



Conducted Spurious Emission

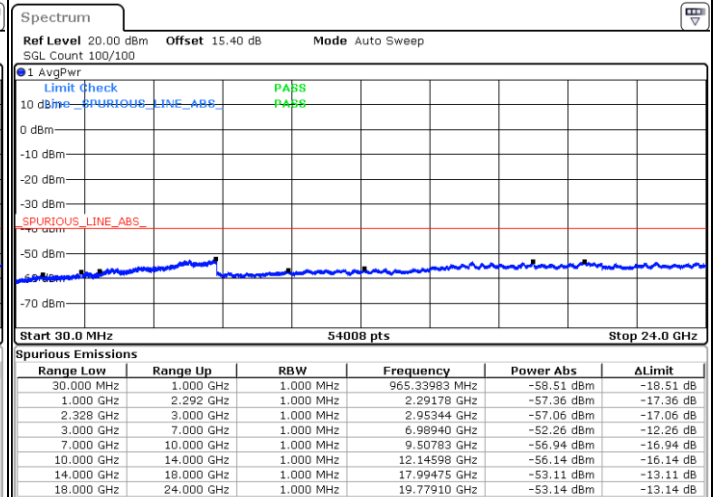
LTE Band 30 / 5MHz

Lowest Channel / QPSK



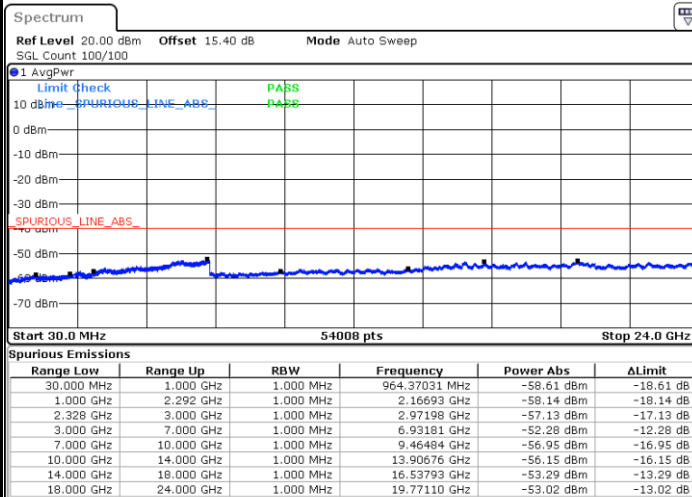
Date: 23.FEB.2023 17:28:10

Lowest Channel / 16QAM



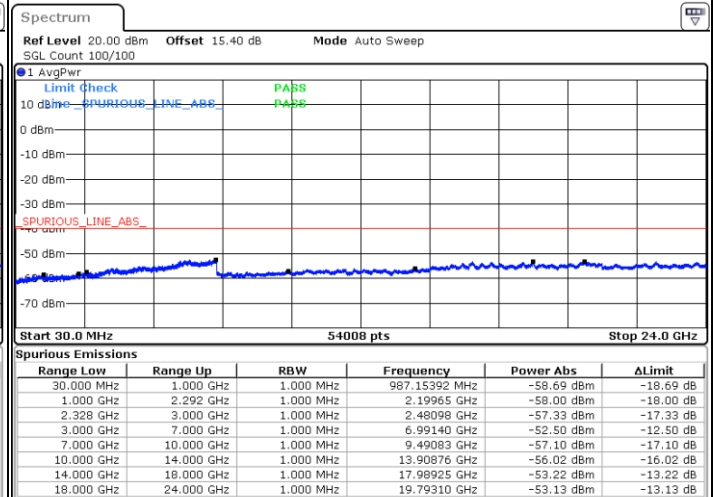
Date: 23.FEB.2023 17:29:32

Middle Channel / QPSK



Date: 23.FEB.2023 17:30:54

Middle Channel / 16QAM



Date: 23.FEB.2023 17:32:15