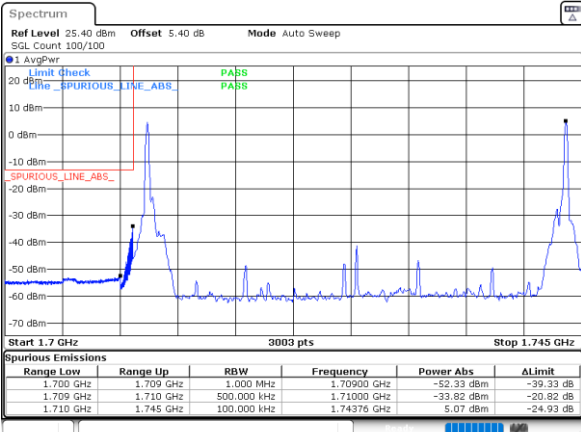




LTE Band 66C / 20MHz+15MHz

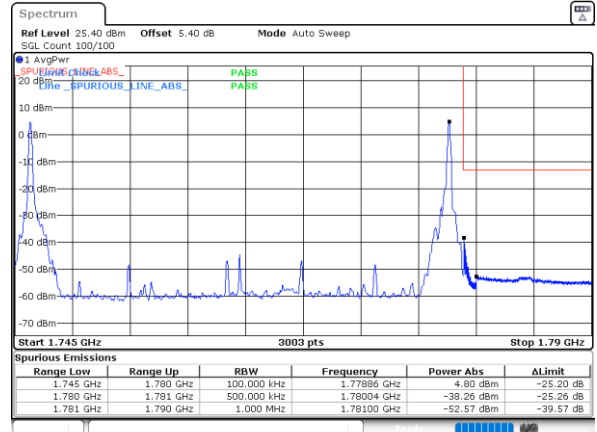
QPSK

Lowest Band Edge / 1RB0 and 1RB74



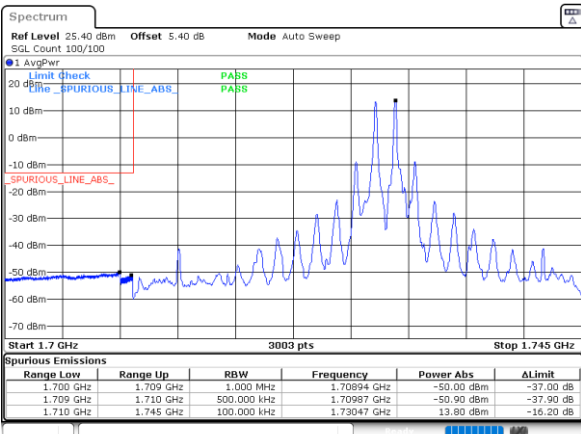
Date: 26\_SEP.2023 23:45:20

Highest Band Edge / 1RB0 and 1RB74



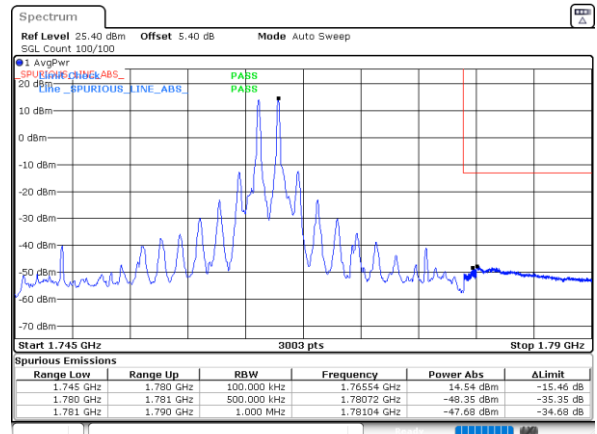
Date: 26\_SEP.2023 23:51:37

Lowest Band Edge / 1RB99 and 1RB0



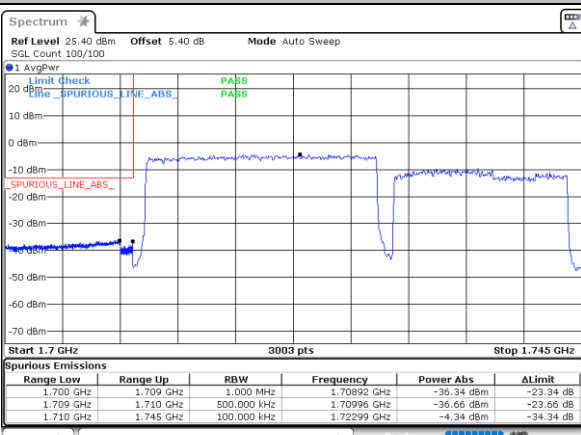
Date: 26\_SEP.2023 23:46:08

Highest Band Edge / 1RB99 and 1RB0



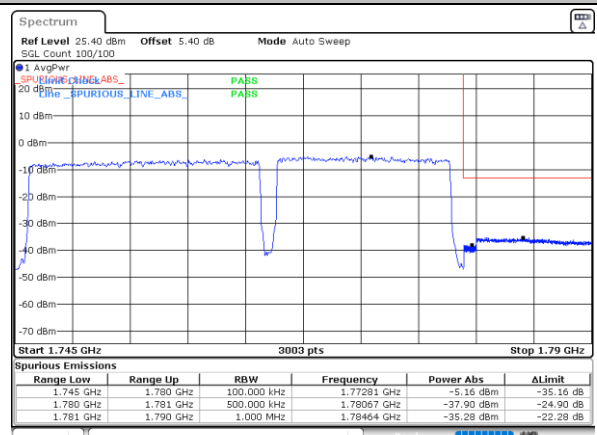
Date: 26\_SEP.2023 23:55:36

Lowest Band Edge / Full RB



Date: 26\_SEP.2023 23:41:23

Highest Band Edge / Full RB



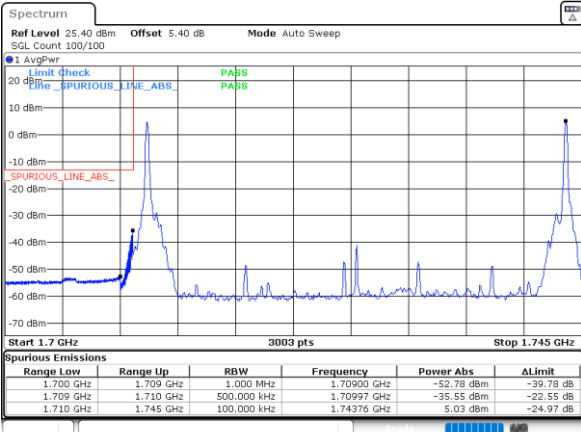
Date: 26\_SEP.2023 23:49:14



LTE Band 66C / 20MHz+15MHz

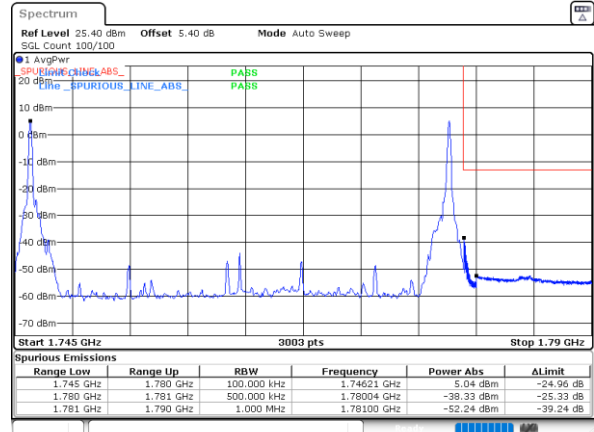
16QAM

Lowest Band Edge / 1RB0 and 1RB74



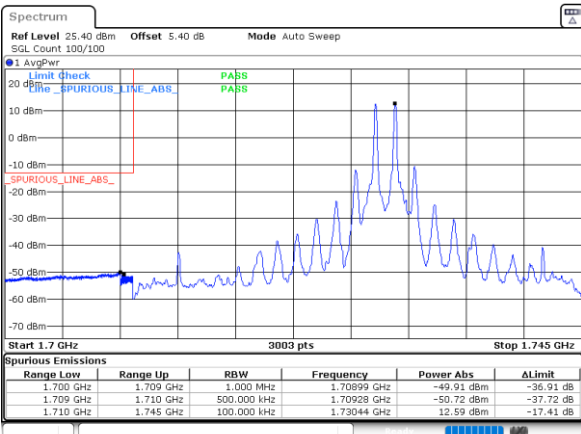
Date: 26\_SEP.2023 23:44:33

Highest Band Edge / 1RB0 and 1RB74



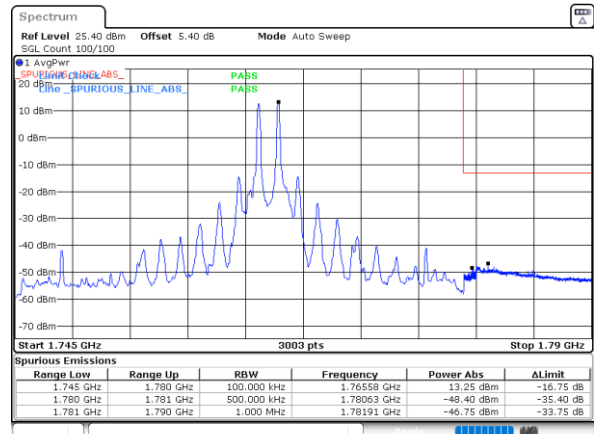
Date: 26\_SEP.2023 23:52:25

Lowest Band Edge / 1RB99 and 1RB0



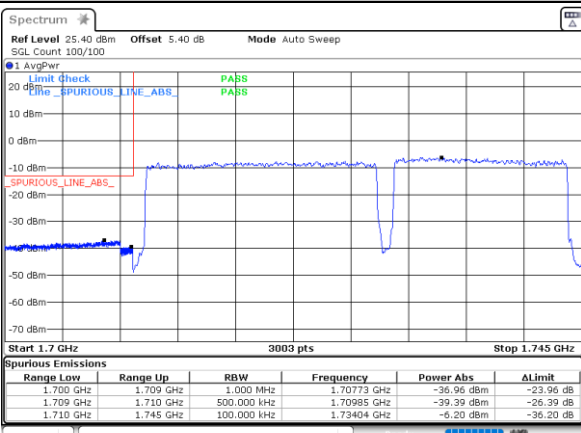
Date: 26\_SEP.2023 23:46:56

Highest Band Edge / 1RB99 and 1RB0



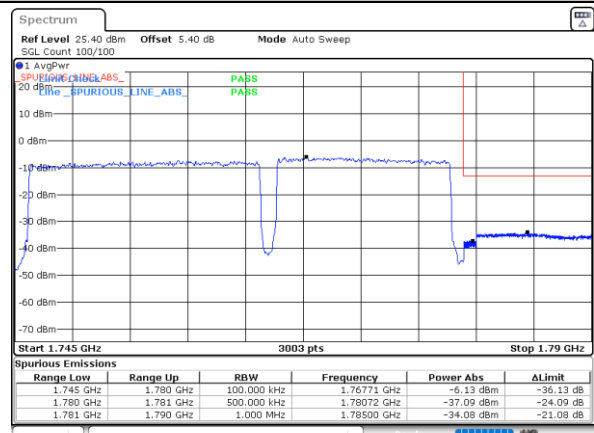
Date: 26\_SEP.2023 23:54:48

Lowest Band Edge / Full RB



Date: 26\_SEP.2023 23:42:10

Highest Band Edge / Full RB



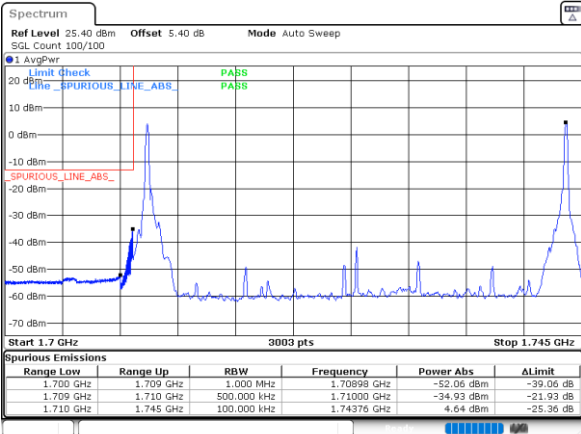
Date: 26\_SEP.2023 23:50:01



LTE Band 66C / 20MHz+15MHz

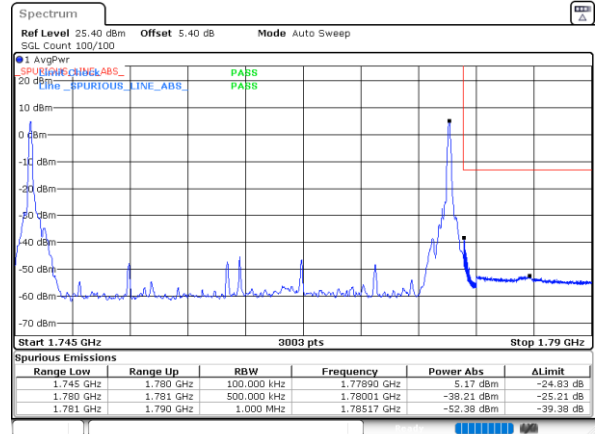
64QAM

Lowest Band Edge / 1RB0 and 1RB74



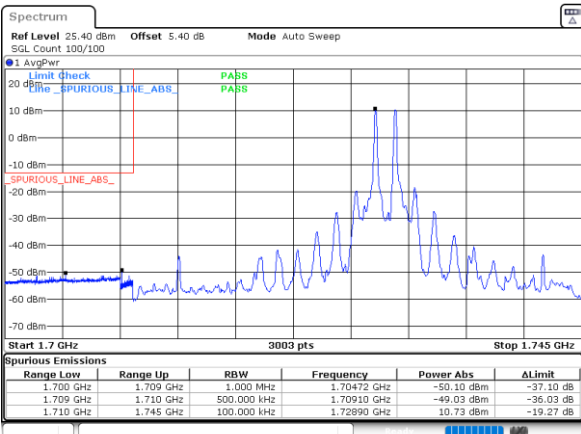
Date: 26\_SEP.2023 23:43:45

Highest Band Edge / 1RB0 and 1RB74



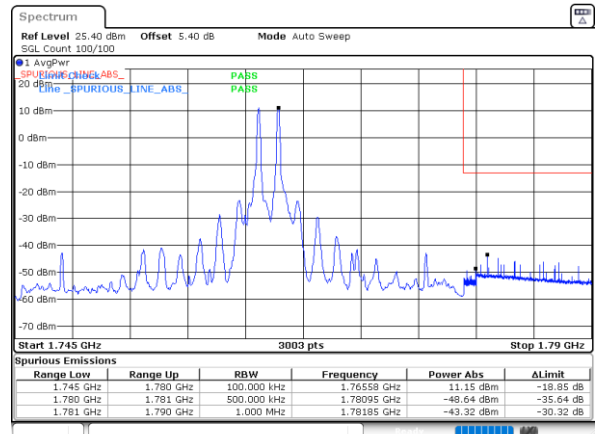
Date: 26\_SEP.2023 23:53:13

Lowest Band Edge / 1RB99 and 1RB0



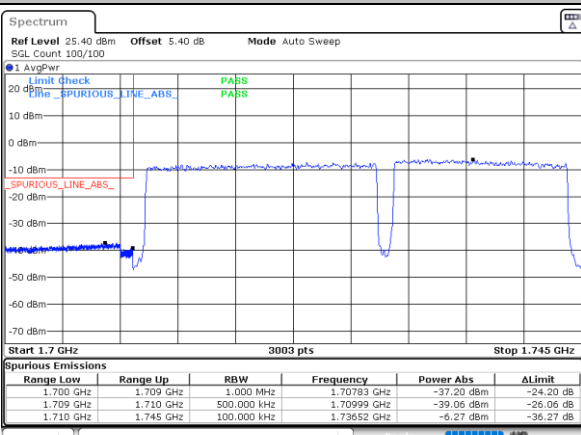
Date: 26\_SEP.2023 23:47:43

Highest Band Edge / 1RB99 and 1RB0



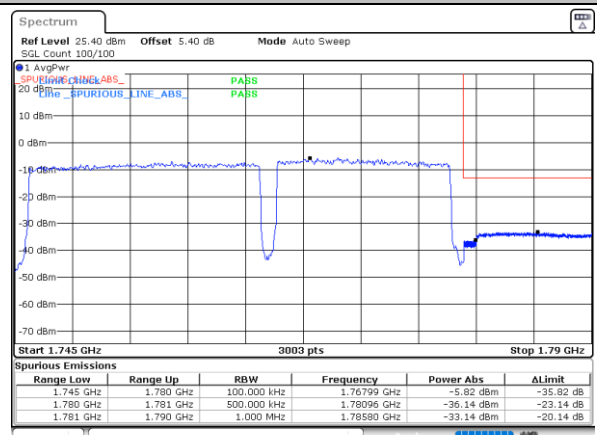
Date: 26\_SEP.2023 23:54:01

Lowest Band Edge / Full RB



Date: 26\_SEP.2023 23:42:57

Highest Band Edge / Full RB



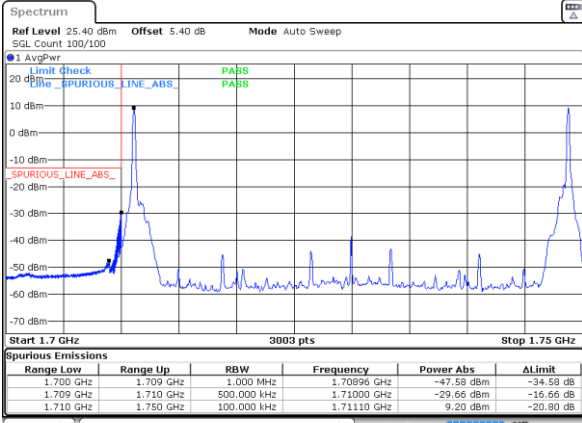
Date: 26\_SEP.2023 23:50:49



LTE Band 66C / 20MHz+20MHz

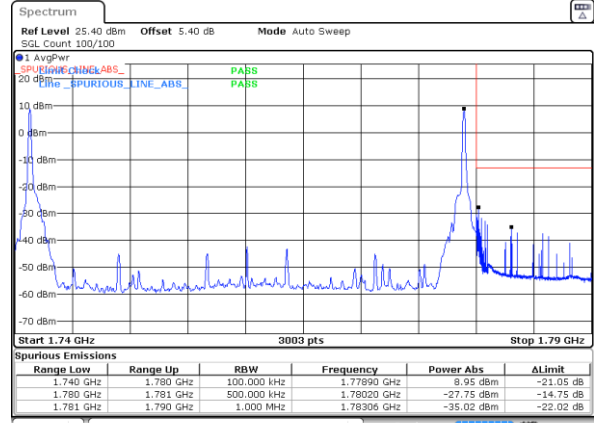
QPSK

Lowest Band Edge / 1RB0 and 1RB9



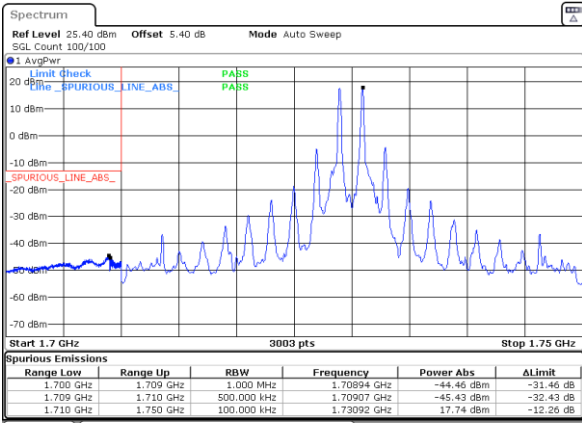
Date: 27 SEP 2023 00:57:41

Highest Band Edge / 1RB0 and 1RB9



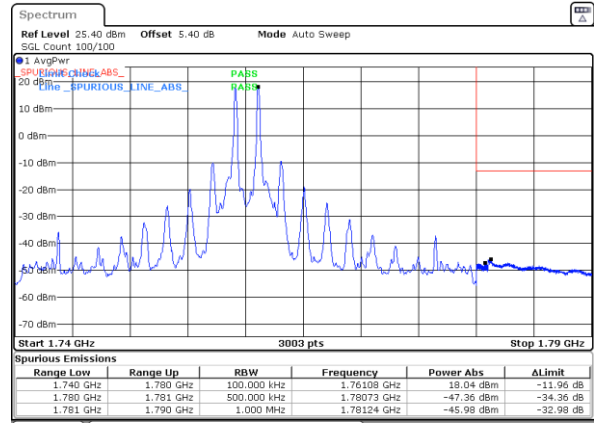
Date: 27 SEP 2023 01:03:19

Lowest Band Edge / 1RB99 and 1RB0



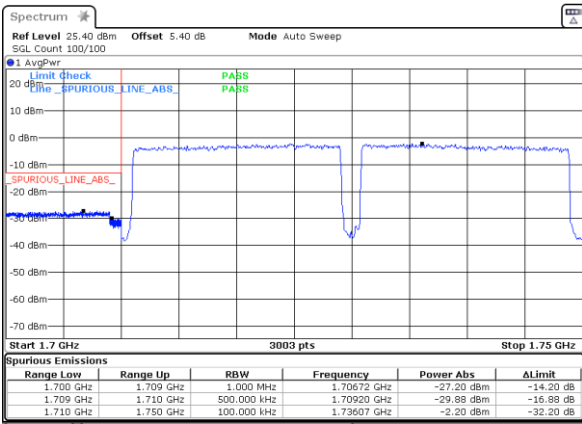
Date: 27 SEP 2023 00:58:29

Highest Band Edge / 1RB99 and 1RB0



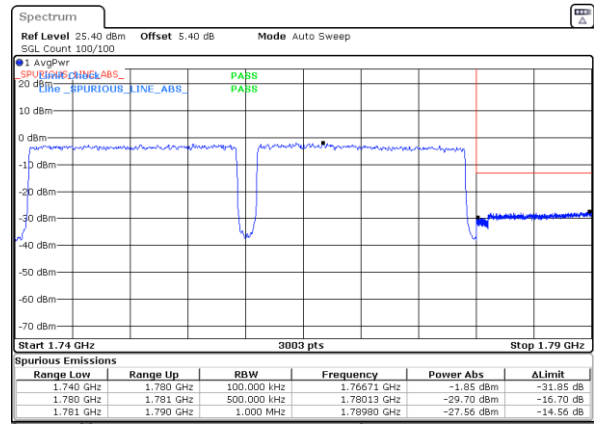
Date: 27 SEP 2023 01:07:18

Lowest Band Edge / Full RB



Date: 27 SEP 2023 00:53:42

Highest Band Edge / Full RB



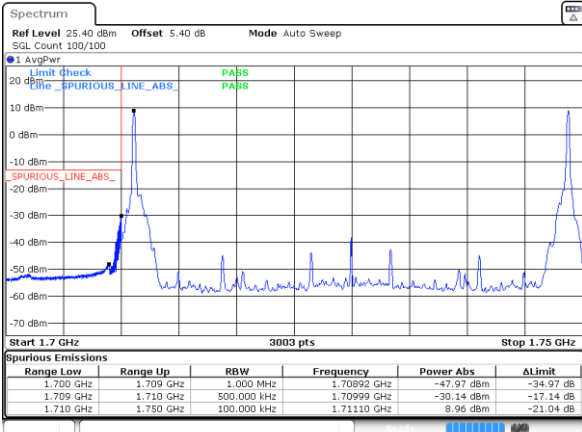
Date: 27 SEP 2023 01:00:55



LTE Band 66C / 20MHz+20MHz

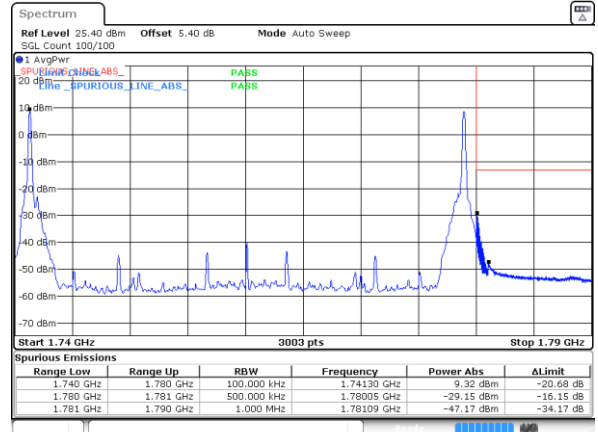
16QAM

Lowest Band Edge / 1RB0 and 1RB9



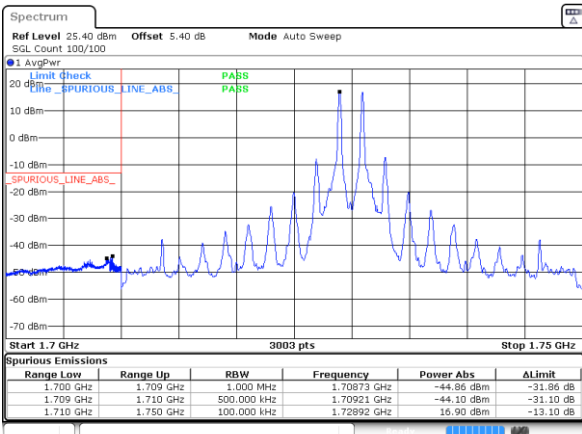
Date: 27 SEP 2023 00:56:53

Highest Band Edge / 1RB0 and 1RB9



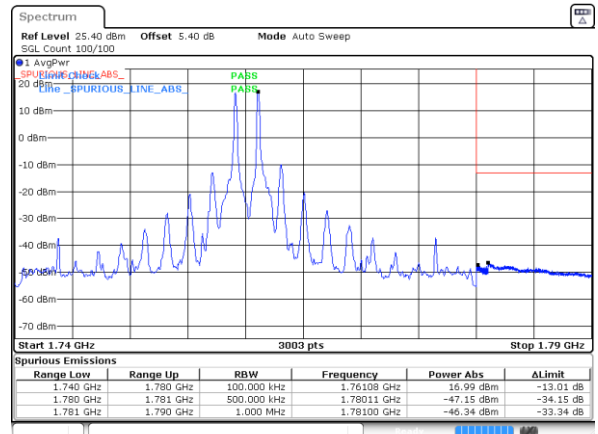
Date: 27 SEP 2023 01:04:06

Lowest Band Edge / 1RB99 and 1RB0



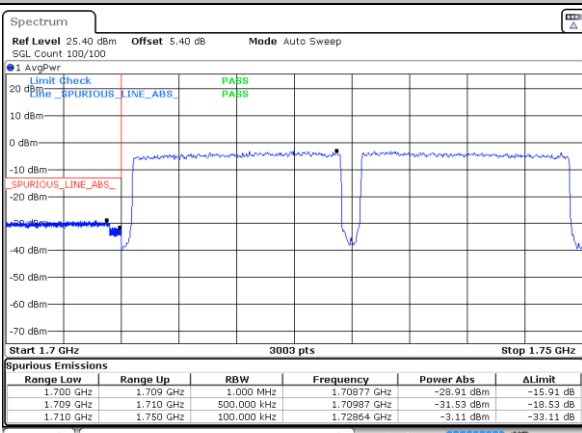
Date: 27 SEP 2023 00:59:16

Highest Band Edge / 1RB99 and 1RB0



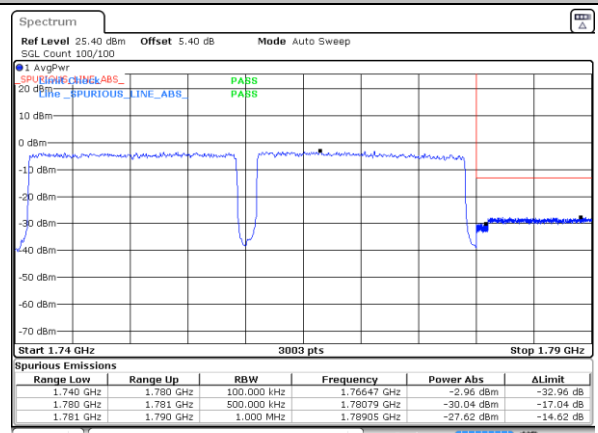
Date: 27 SEP 2023 01:06:31

Lowest Band Edge / Full RB



Date: 27 SEP 2023 00:54:29

Highest Band Edge / Full RB



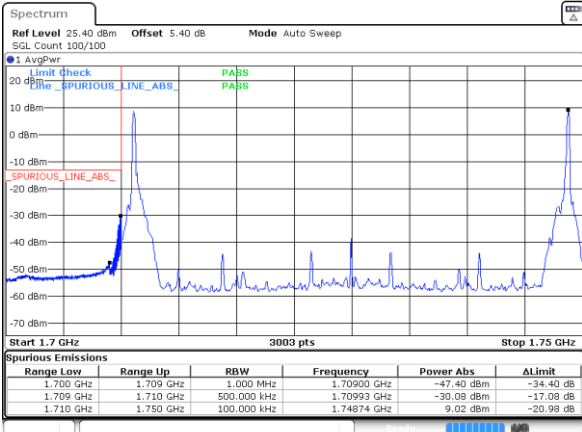
Date: 27 SEP 2023 01:01:42



LTE Band 66C / 20MHz+20MHz

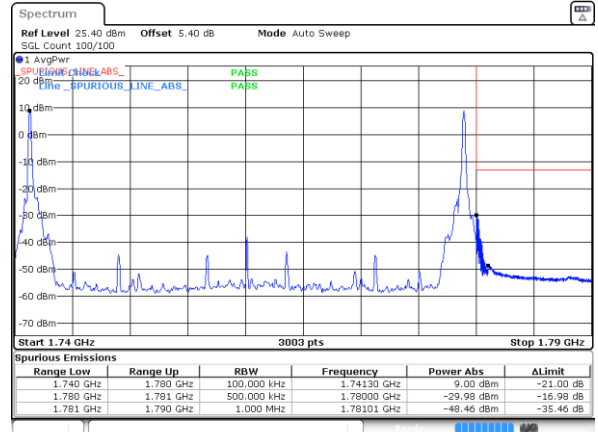
64QAM

Lowest Band Edge / 1RB0 and 1RB9



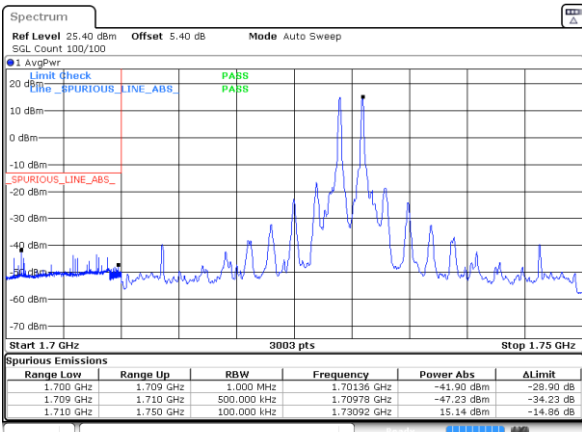
Date: 27 SEP 2023 00:56:06

Highest Band Edge / 1RB0 and 1RB9



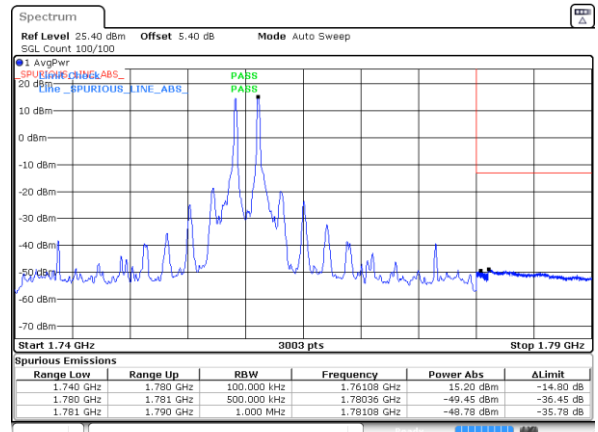
Date: 27 SEP 2023 01:04:55

Lowest Band Edge / 1RB99 and 1RB0



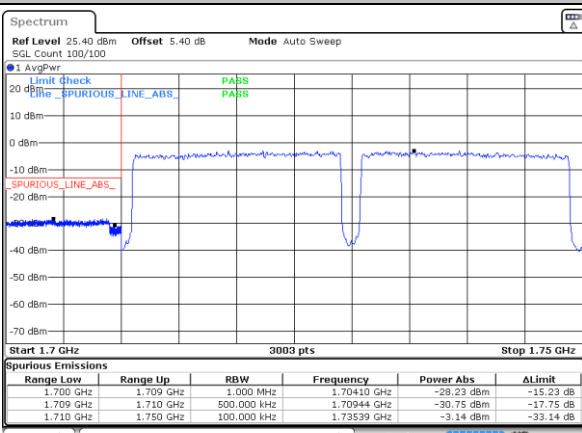
Date: 27 SEP 2023 01:00:05

Highest Band Edge / 1RB99 and 1RB0



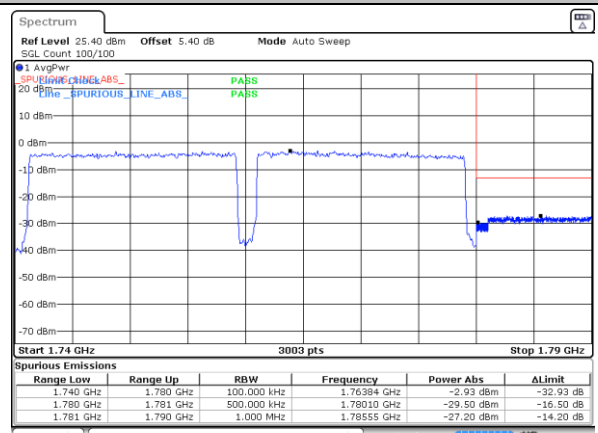
Date: 27 SEP 2023 01:05:43

Lowest Band Edge / Full RB



Date: 27 SEP 2023 00:55:17

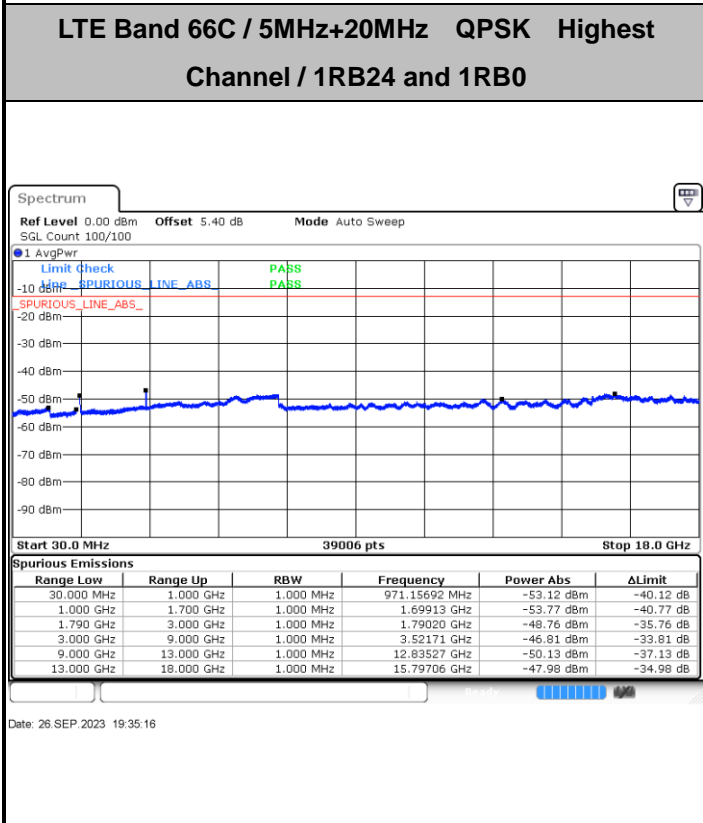
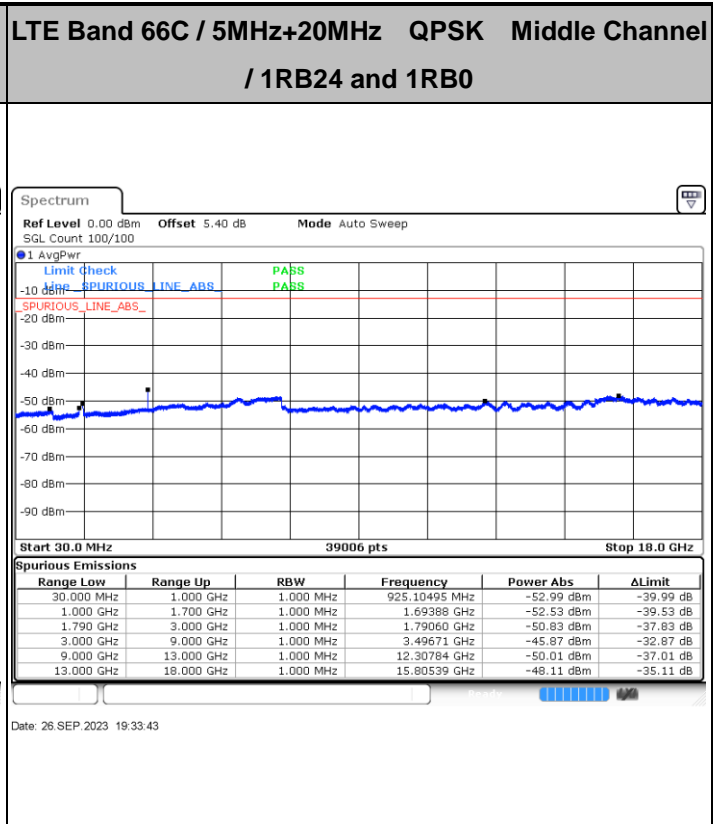
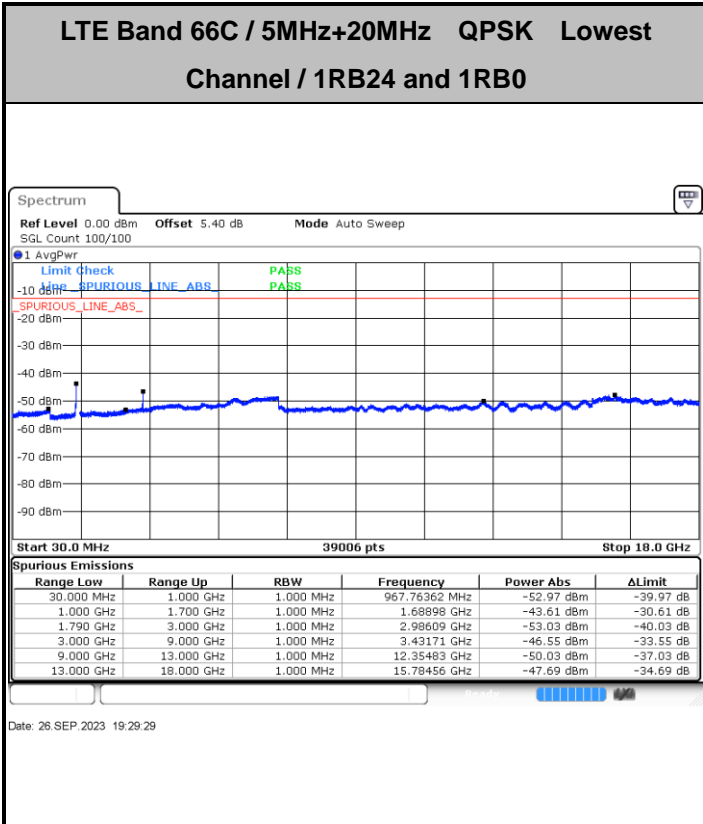
Highest Band Edge / Full RB

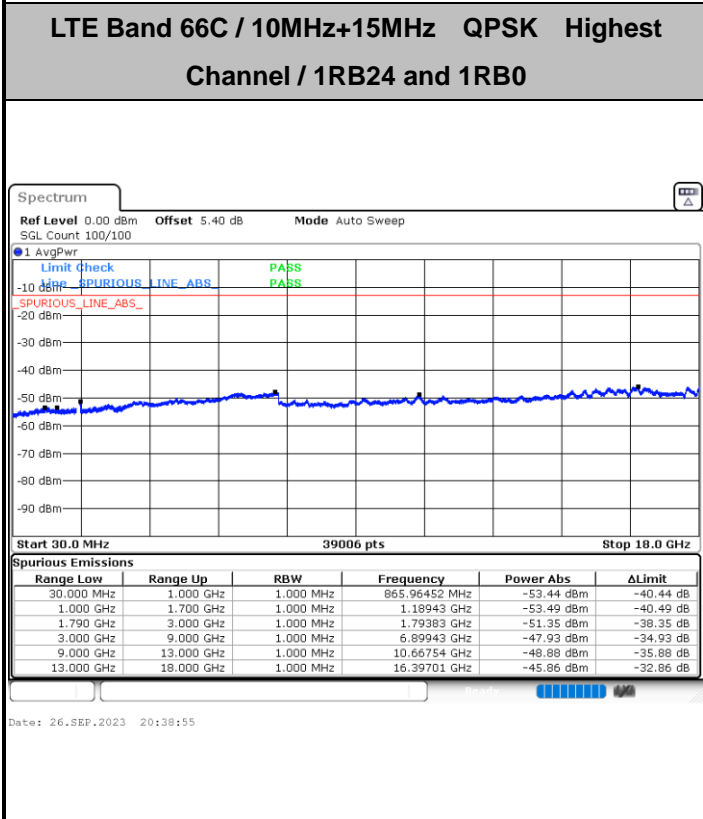
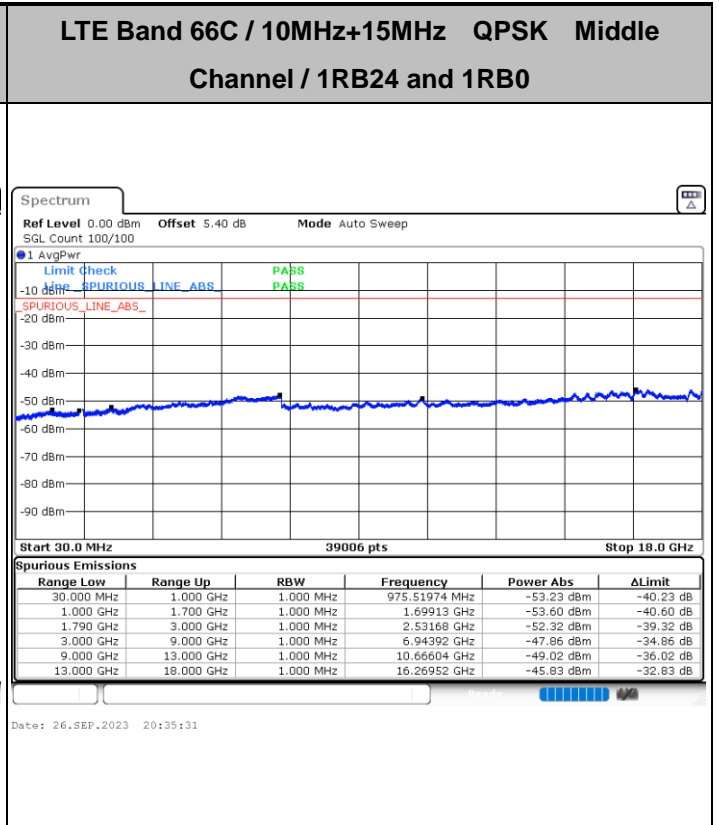
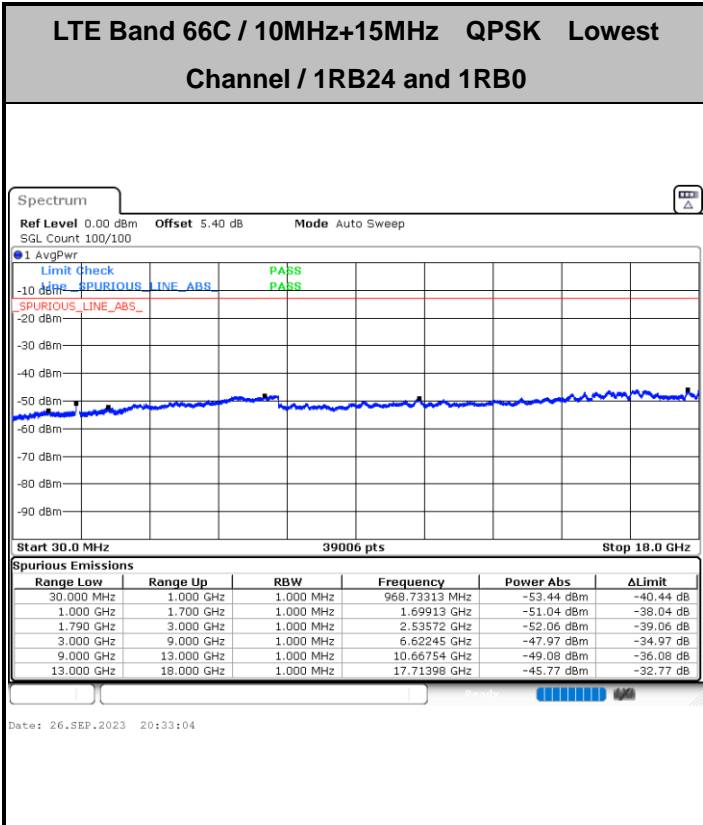


Date: 27 SEP 2023 01:02:30



# Conducted Spurious Emission



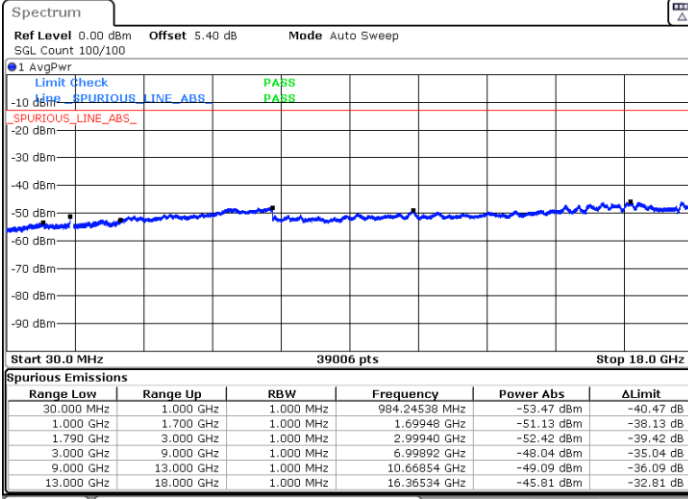




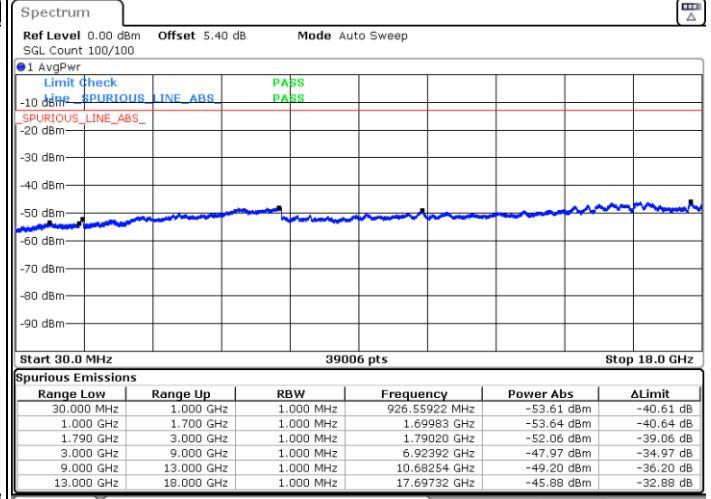


LTE Band 66C / 10MHz+20MHz QPSK Lowest Channel / 1RB49 and 1RB0

LTE Band 66C / 10MHz+20MHz QPSK Middle Channel / 1RB49 and 1RB0

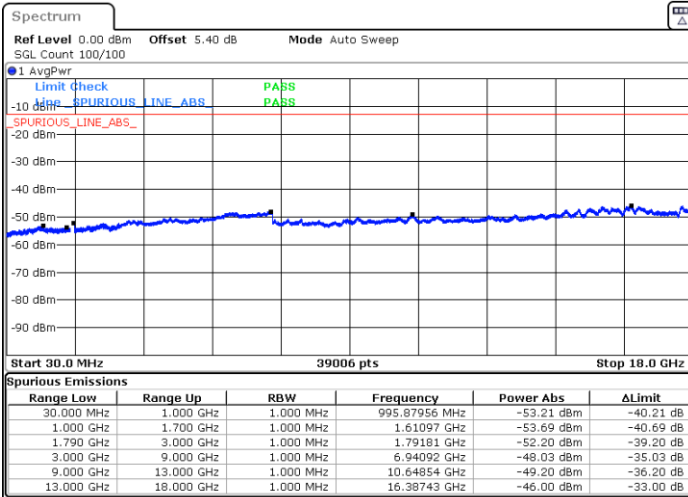


Date: 26.SEP.2023 22:09:12

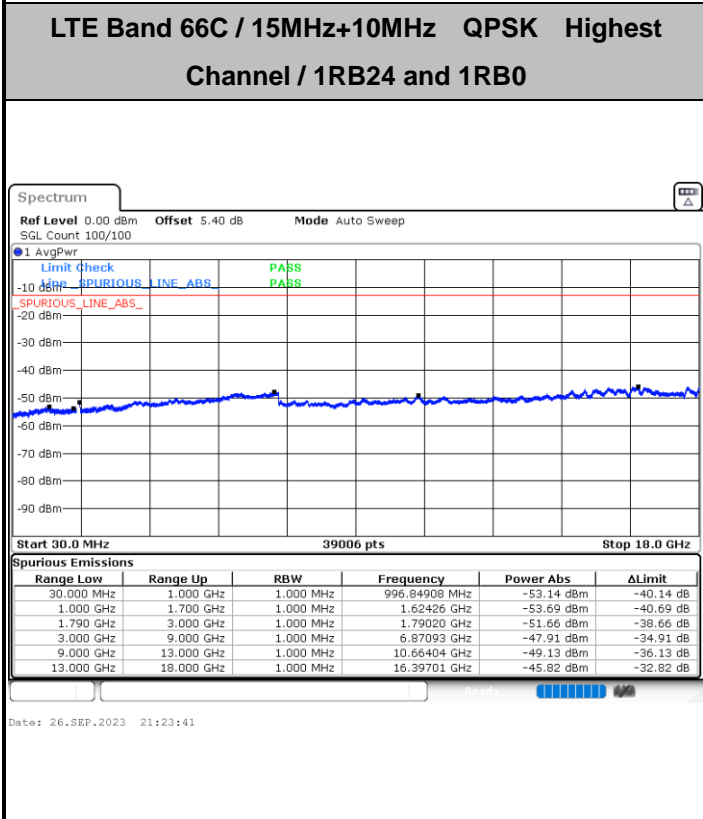
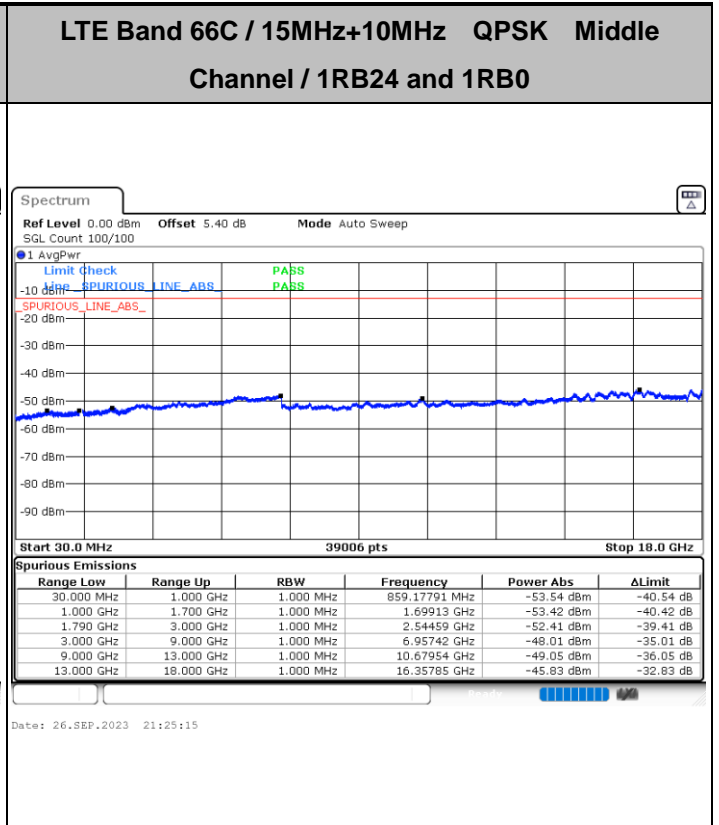
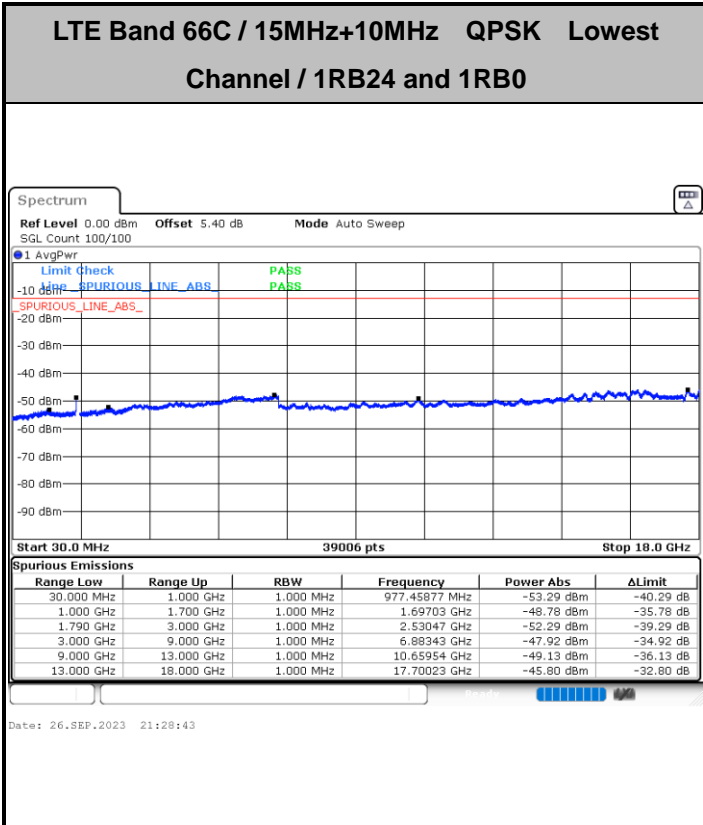


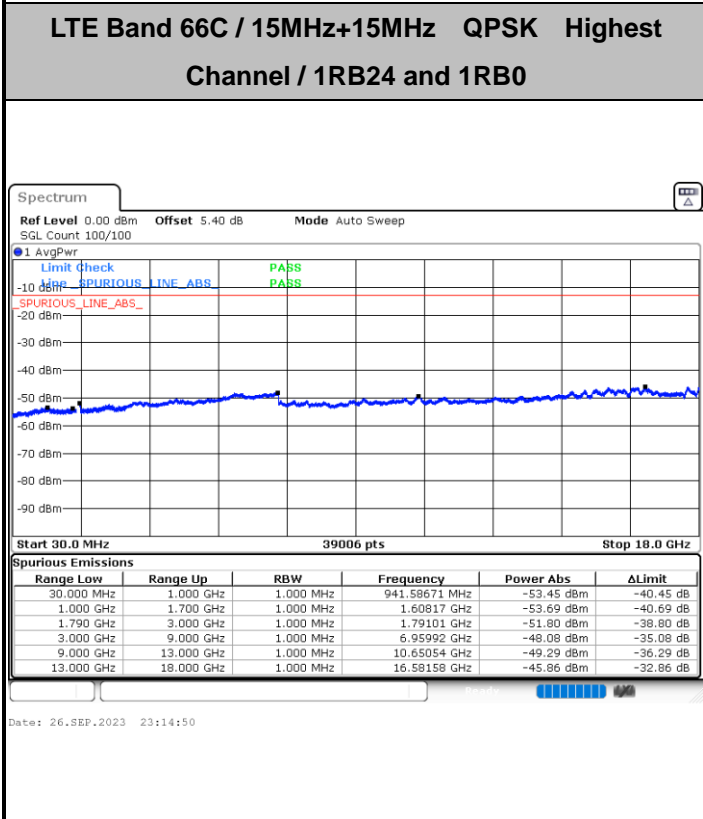
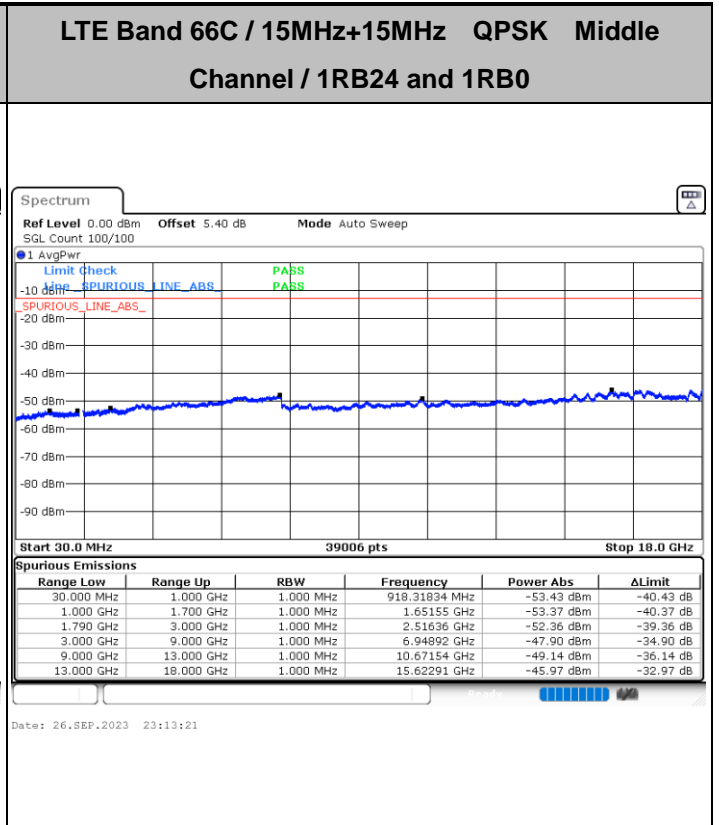
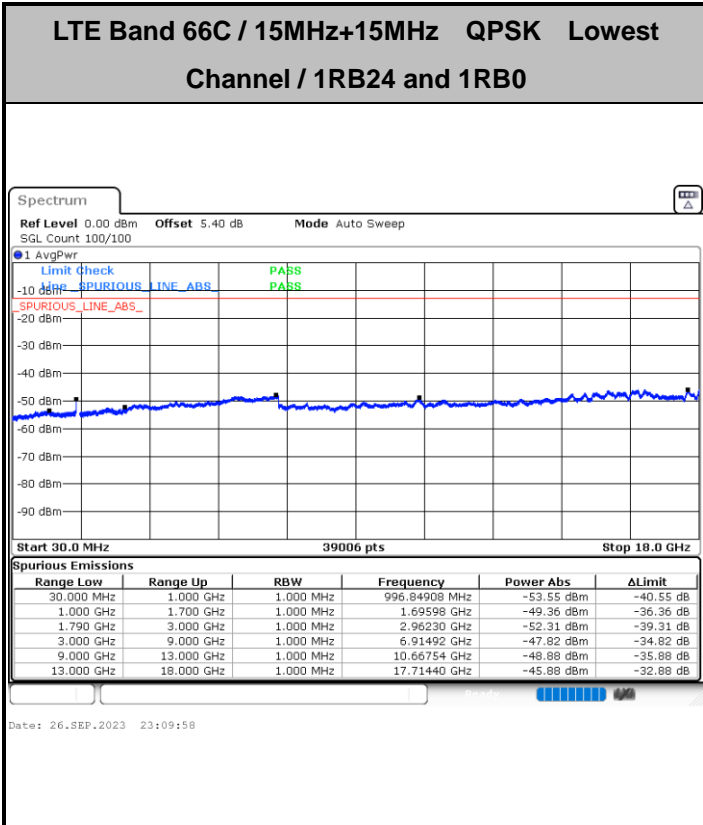
Date: 26.SEP.2023 22:16:58

LTE Band 66C / 10MHz+20MHz QPSK Highest Channel / 1RB49 and 1RB0



Date: 26.SEP.2023 22:18:26

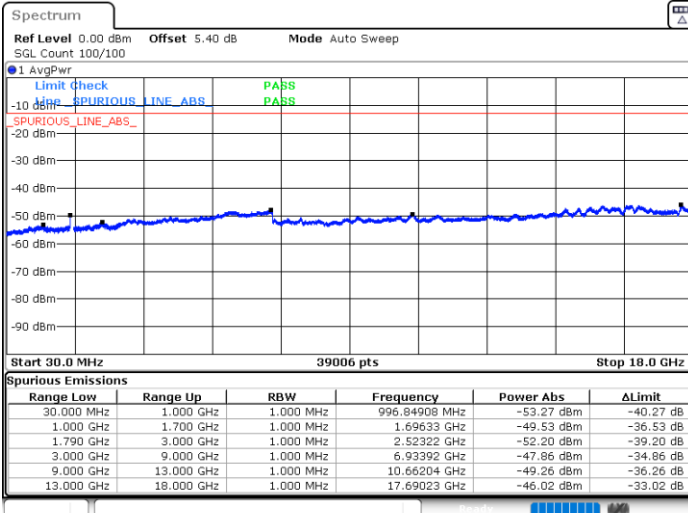




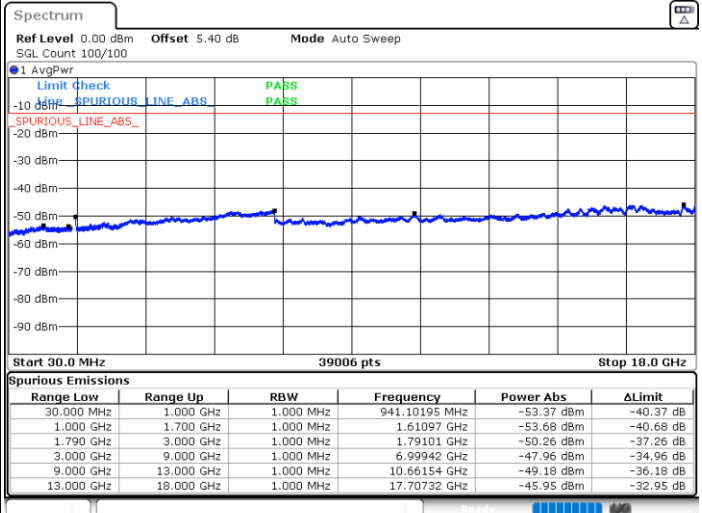


LTE Band 66C / 15MHz+20MHz QPSK Lowest Channel / 1RB74 and 1RB0

LTE Band 66C / 15MHz+20MHz QPSK Middle Channel / 1RB74 and 1RB0

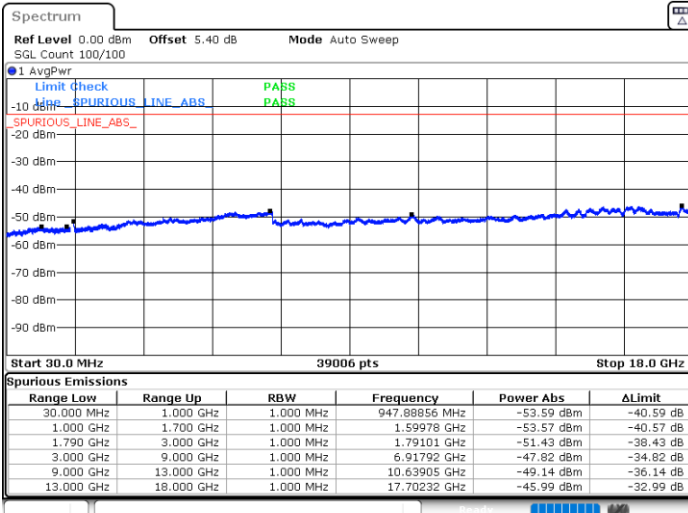


Date: 26.SEP.2023 23:35:36



Date: 26.SEP.2023 23:38:59

LTE Band 66C / 15MHz+20MHz QPSK Highest Channel / 1RB74 and 1RB0

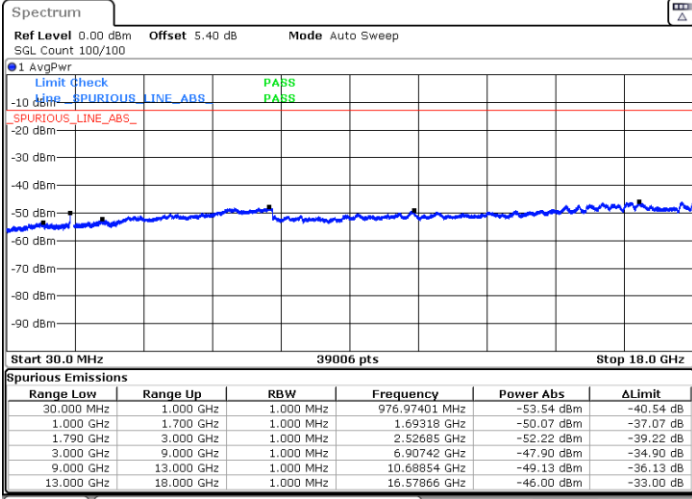


Date: 26.SEP.2023 23:40:27

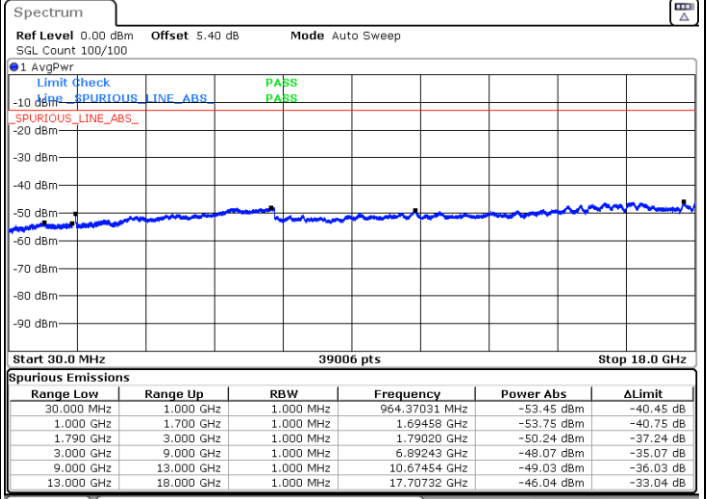


LTE Band 66C / 20MHz+5MHz QPSK Lowest Channel / 1RB99 and 1RB0

LTE Band 66C / 20MHz+5MHz QPSK Middle Channel / 1RB99 and 1RB0

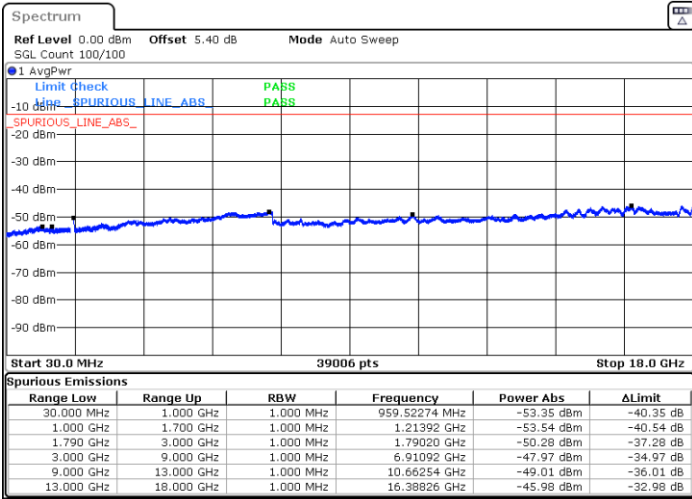


Date: 27.SEP.2023 00:57:12



Date: 27.SEP.2023 01:00:40

LTE Band 66C / 20MHz+5MHz QPSK Highest Channel / 1RB99 and 1RB0

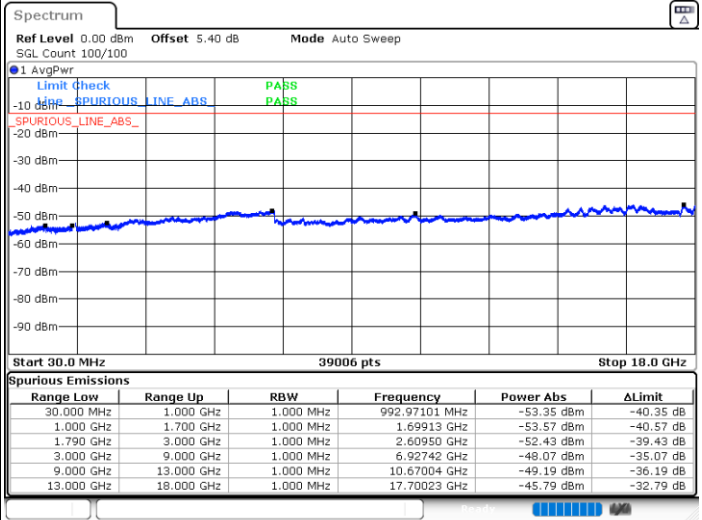
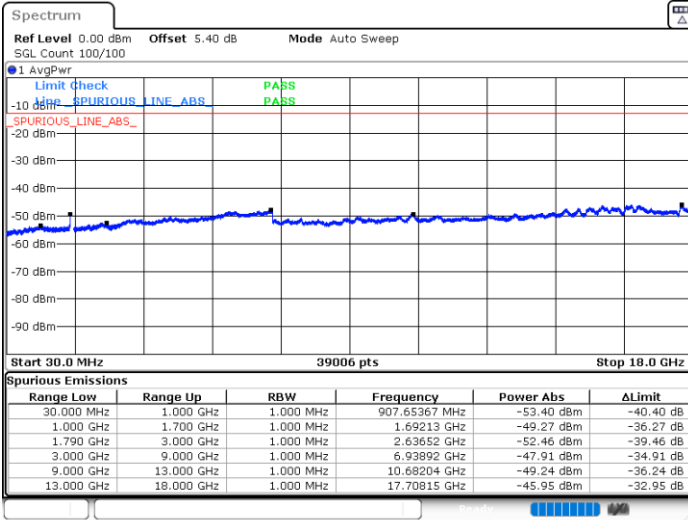


Date: 27.SEP.2023 01:02:08



LTE Band 66C / 20MHz+10MHz QPSK Lowest Channel / 1RB99 and 1RB0

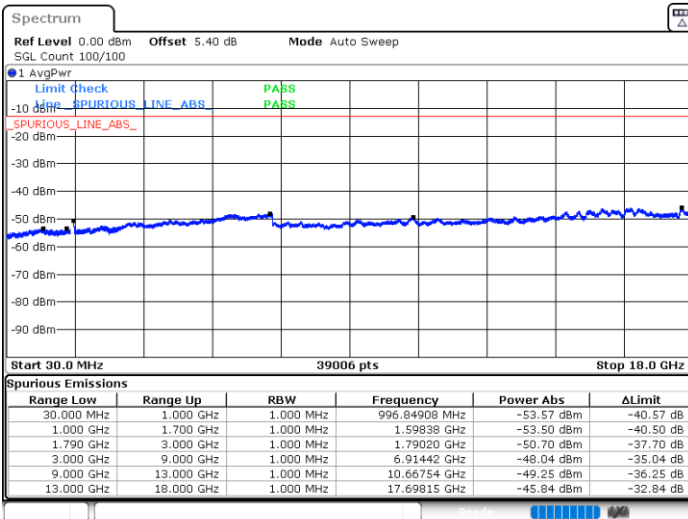
LTE Band 66C / 20MHz+10MHz QPSK Middle Channel / 1RB99 and 1RB0



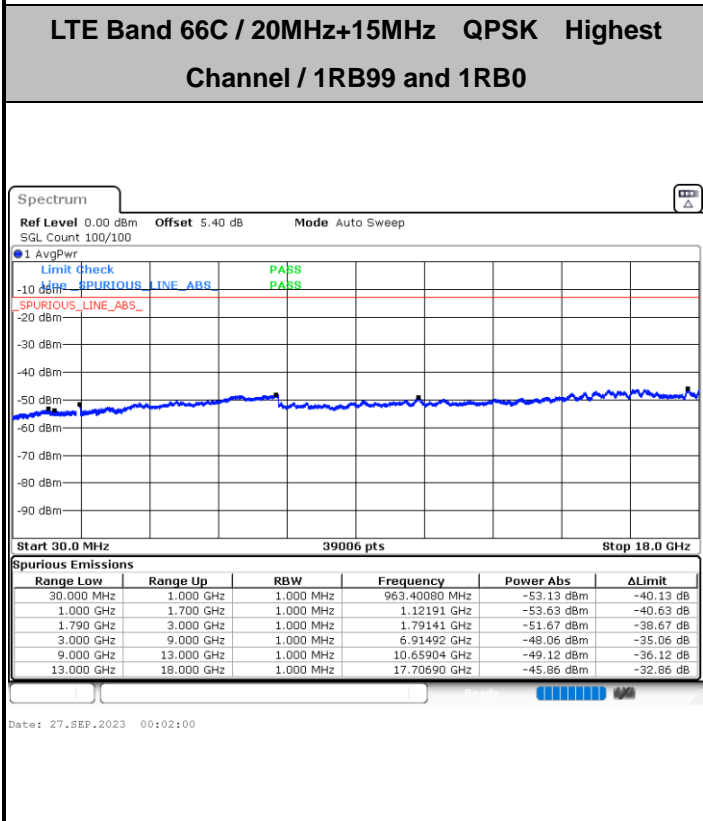
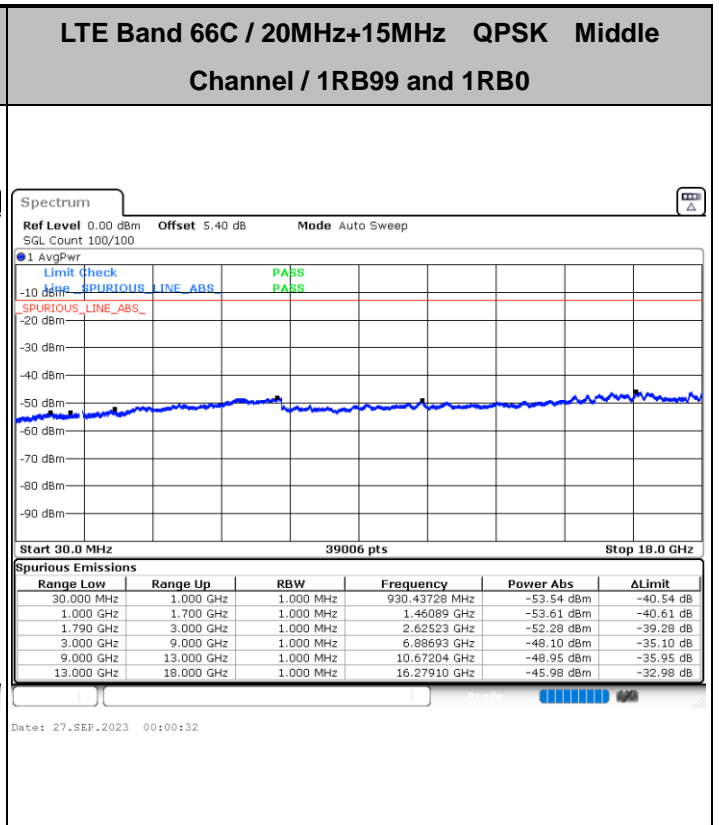
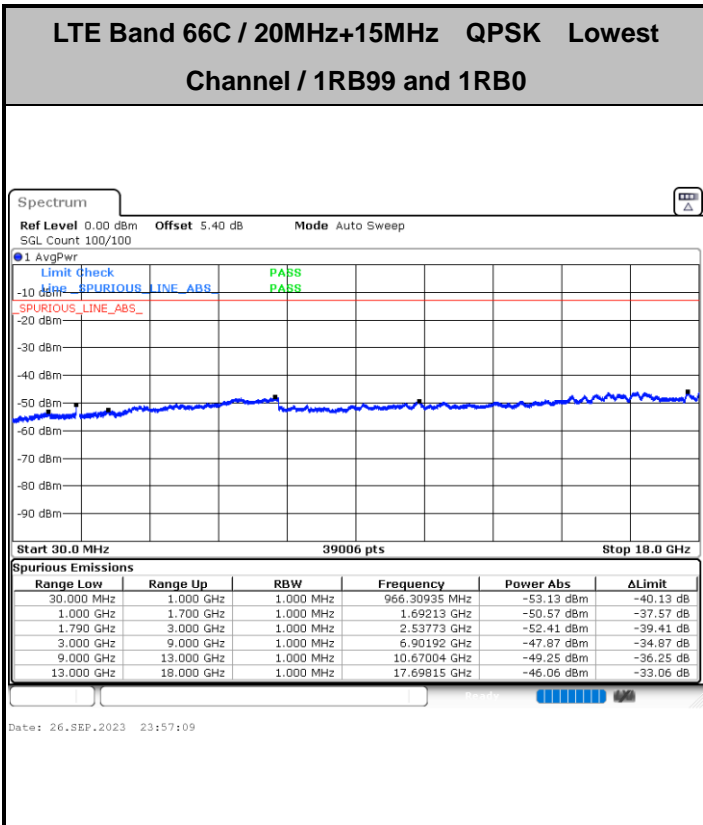
Date: 26.SEP.2023 22:38:03

Date: 26.SEP.2023 22:39:36

LTE Band 66C / 20MHz+10MHz QPSK Highest Channel / 1RB99 and 1RB0



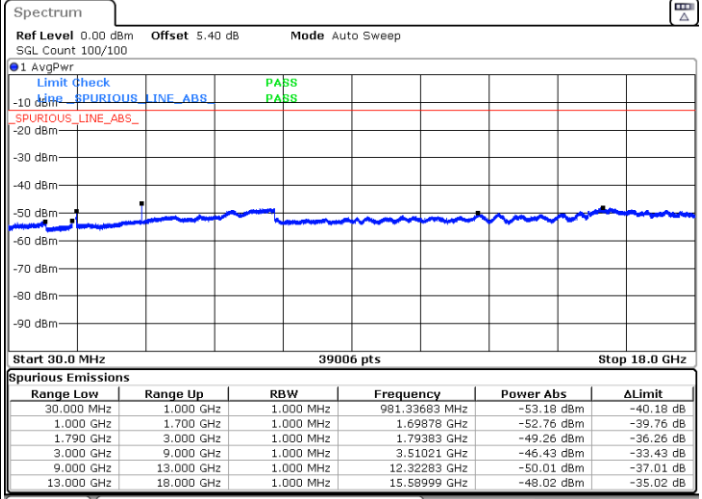
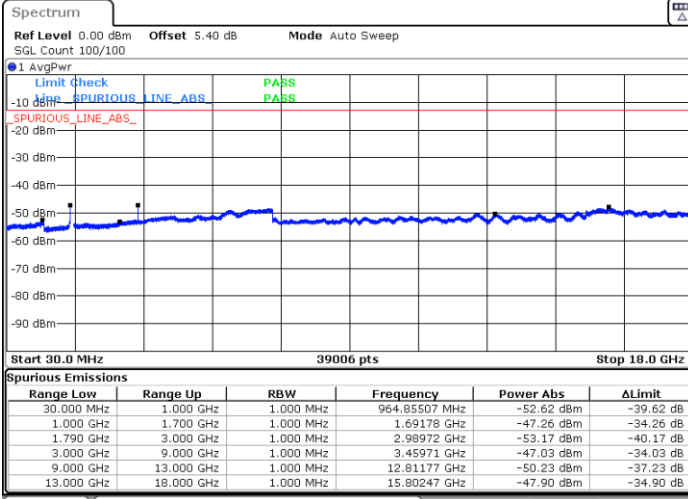
Date: 26.SEP.2023 22:43:01





LTE Band 66C / 20MHz+20MHz QPSK Lowest Channel / 1RB99 and 1RB0

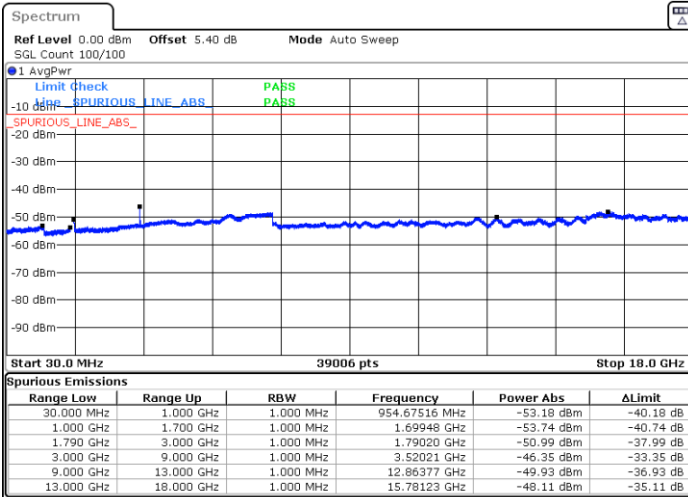
LTE Band 66C / 20MHz+20MHz QPSK Middle Channel / 1RB99 and 1RB0



Date: 27.SEP.2023 01:08:52

Date: 27.SEP.2023 01:10:20

LTE Band 66C / 20MHz+20MHz QPSK Highest Channel / 1RB99 ad 1RB0



Date: 27.SEP.2023 01:13:44





### Frequency Stability

Test Conditions		LTE Band 42C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0031	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0042	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0017	

**Note:**

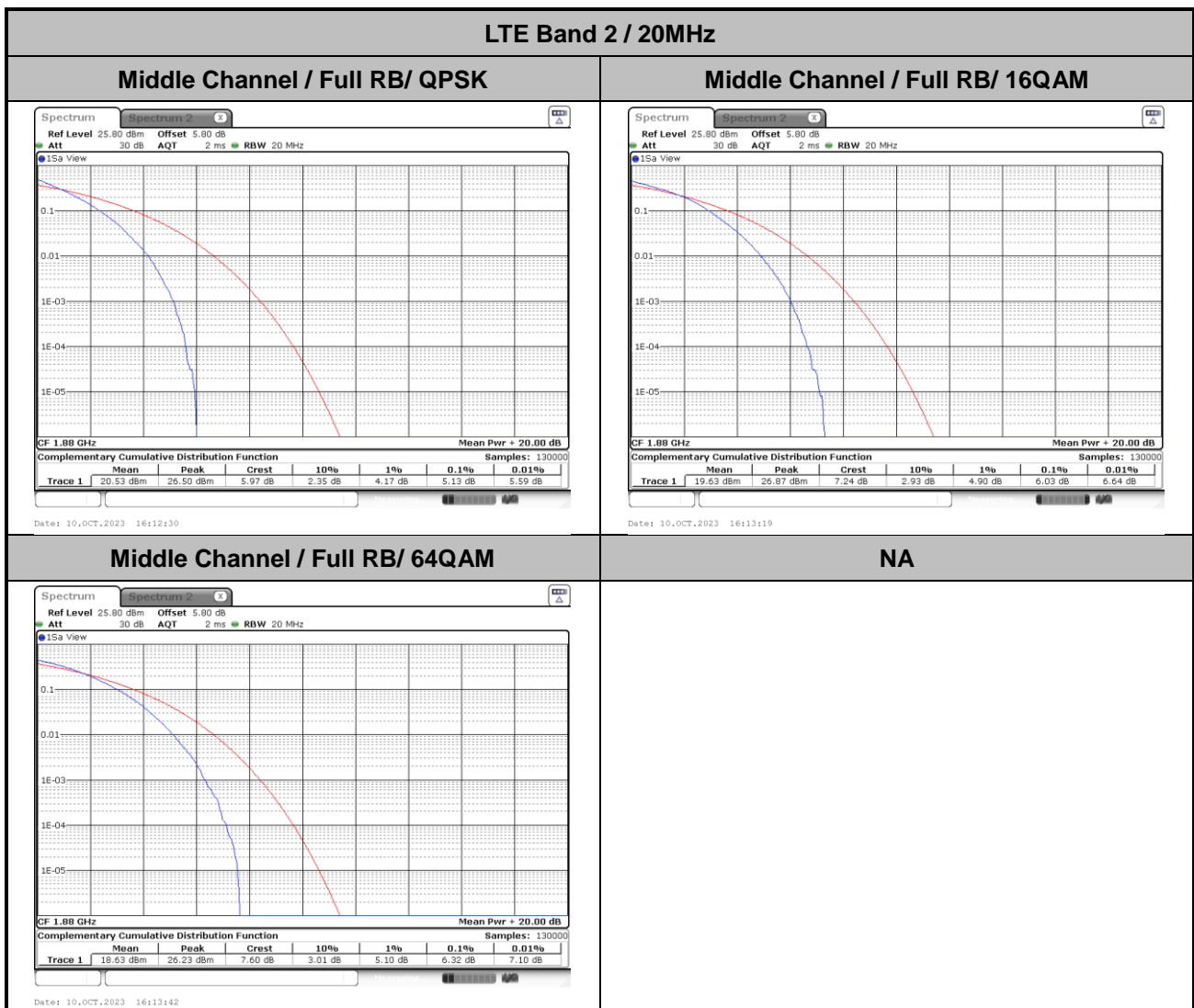
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.60 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 2 for Other PA

## Peak-to-Average Ratio

Mode	LTE Band 2 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.13	6.03	6.32	PASS





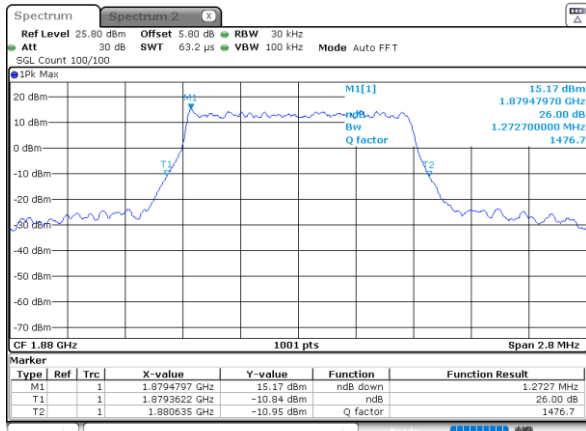
### 26dB Bandwidth

Mode	LTE Band 2 : 26dB BW(MHz)	
<b>BW</b>	<b>1.4MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	1.27	1.28
<b>BW</b>	<b>3MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	2.98	2.96
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.73	4.95
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.69	9.69
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	14.39	14.36
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	19.34	19.06



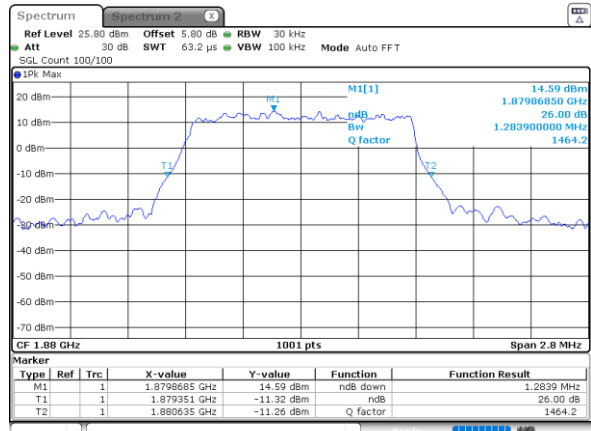
LTE Band 2

Middle Channel / 1.4MHz / QPSK



Date: 10\_OCT\_2023 15:49:23

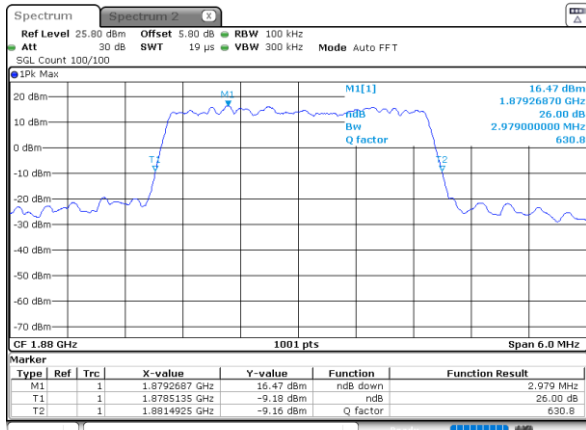
Middle Channel / 1.4MHz / 16QAM



Date: 10\_OCT\_2023 15:49:49

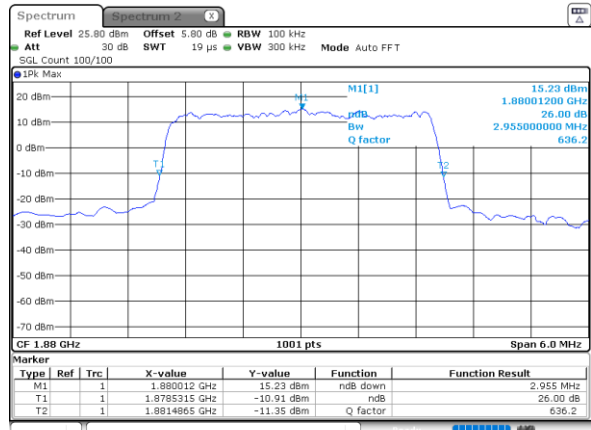
LTE Band 2

Middle Channel / 3MHz / QPSK



Date: 10\_OCT\_2023 15:51:16

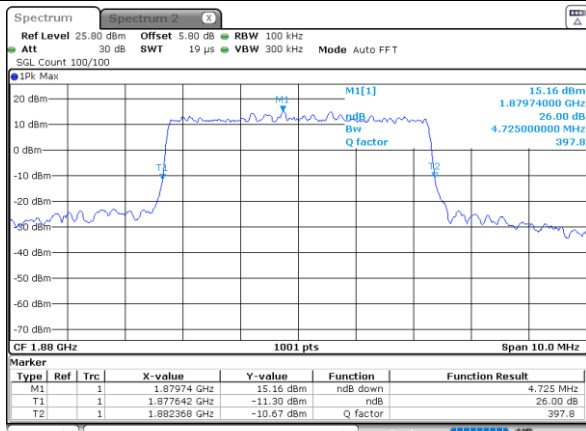
Middle Channel / 3MHz / 16QAM



Date: 10\_OCT\_2023 15:50:36

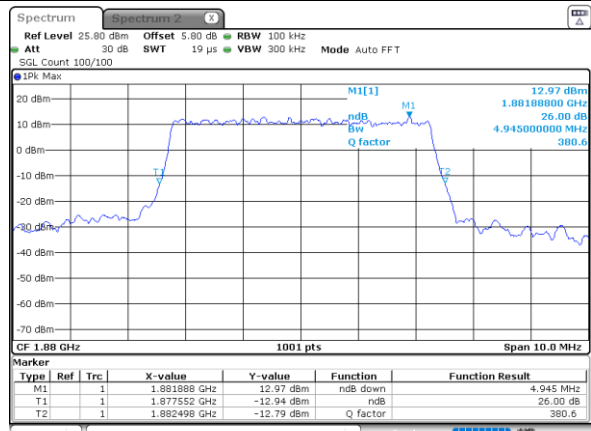
LTE Band 2

Middle Channel / 5MHz / QPSK



Date: 10\_OCT\_2023 15:52:33

Middle Channel / 5MHz / 16QAM

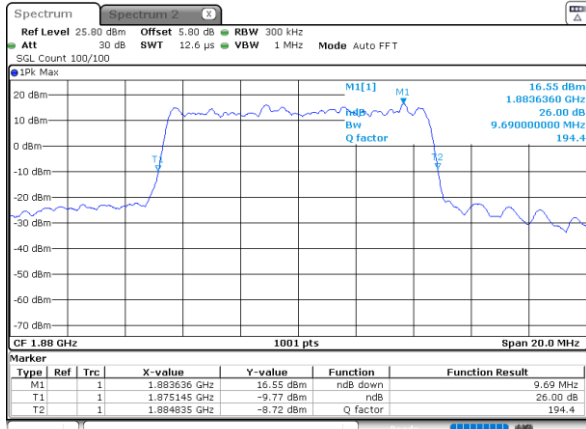


Date: 10\_OCT\_2023 15:53:01



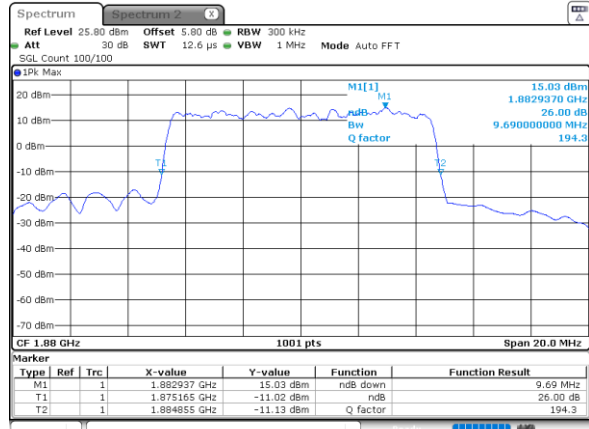
LTE Band 2

Middle Channel / 10MHz / QPSK



Date: 10\_OCT\_2023 16:08:37

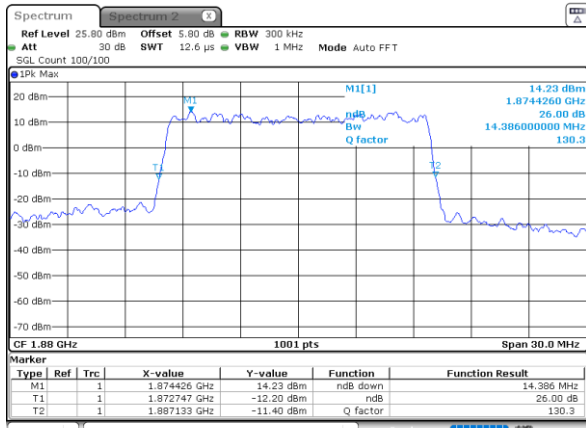
Middle Channel / 10MHz / 16QAM



Date: 10\_OCT\_2023 16:09:07

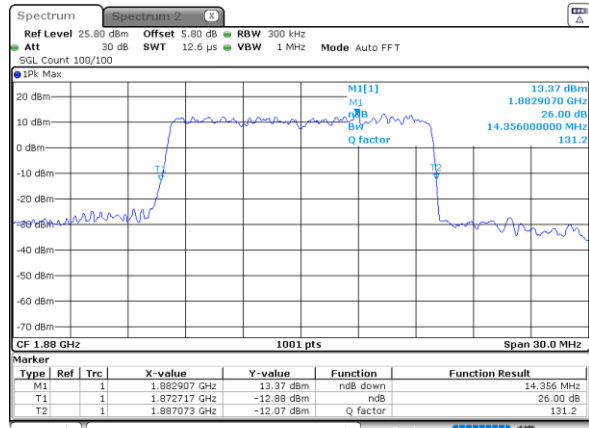
LTE Band 2

Middle Channel / 15MHz / QPSK



Date: 10\_OCT\_2023 16:10:34

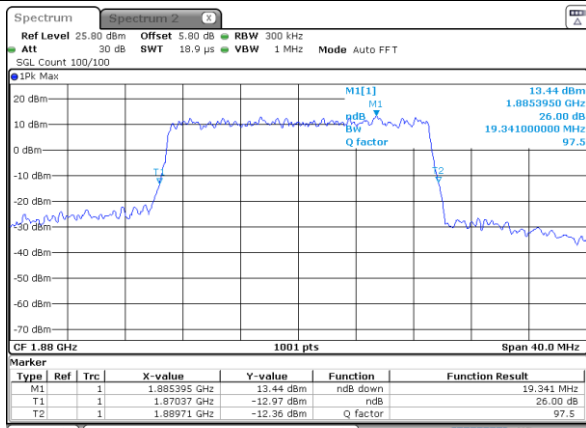
Middle Channel / 15MHz / 16QAM



Date: 10\_OCT\_2023 16:09:53

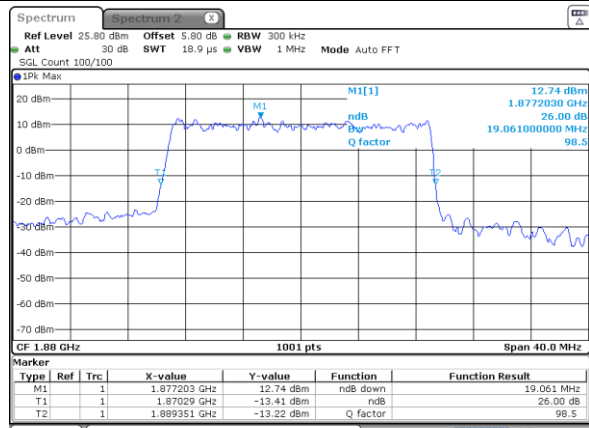
LTE Band 2

Middle Channel / 20MHz / QPSK



Date: 10\_OCT\_2023 16:12:20

Middle Channel / 20MHz / 16QAM



Date: 10\_OCT\_2023 16:13:10



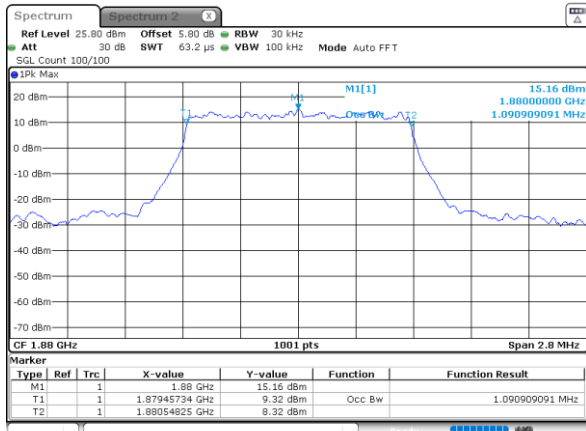
### Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.10
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.72	2.72
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.49
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.03
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.46	13.40
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.86	17.94



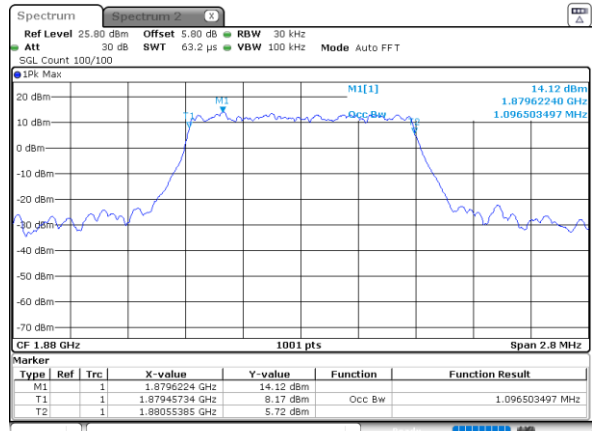
LTE Band 2

Middle Channel / 1.4MHz / QPSK



Date: 10.OCT.2023 15:49:14

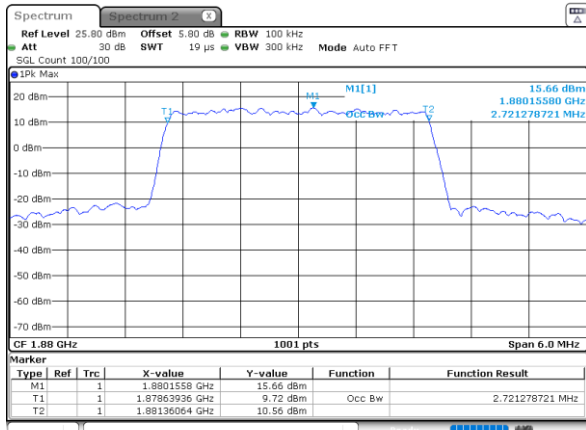
Middle Channel / 1.4MHz / 16QAM



Date: 10.OCT.2023 15:49:139

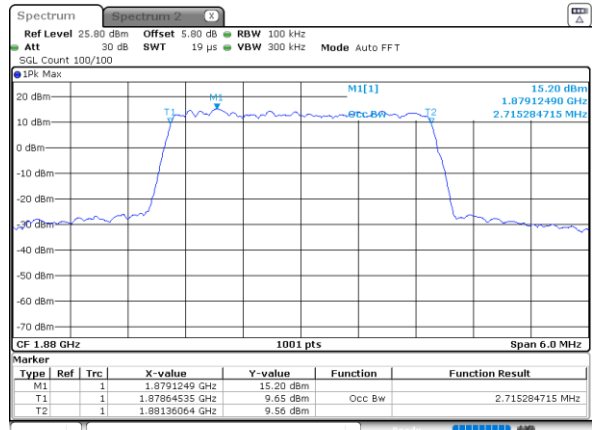
LTE Band 2

Middle Channel / 3MHz / QPSK



Date: 10.OCT.2023 15:51:00

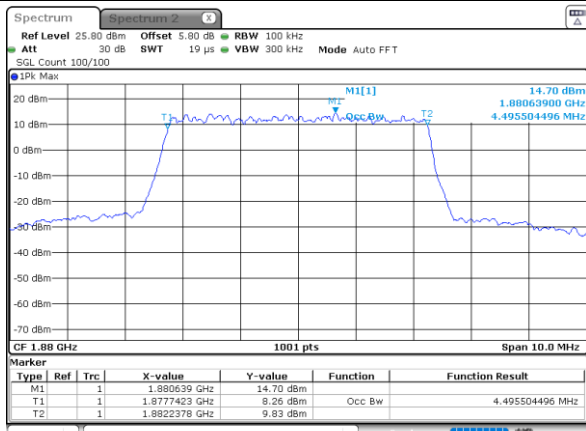
Middle Channel / 3MHz / 16QAM



Date: 10.OCT.2023 15:50:124

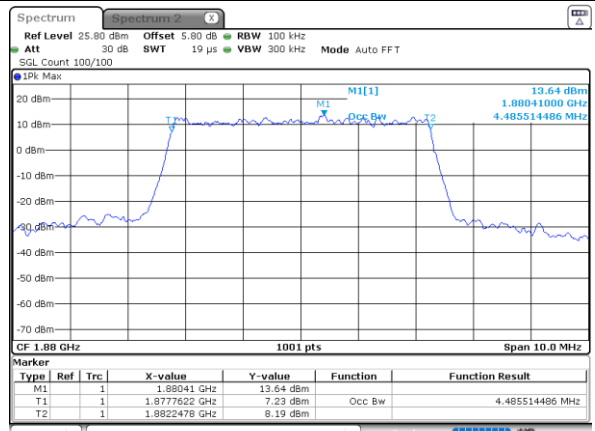
LTE Band 2

Middle Channel / 5MHz / QPSK



Date: 10.OCT.2023 15:52:16

Middle Channel / 5MHz / 16QAM

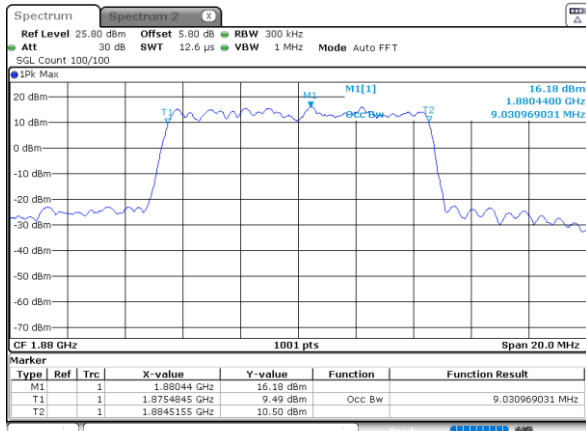


Date: 10.OCT.2023 15:52:153

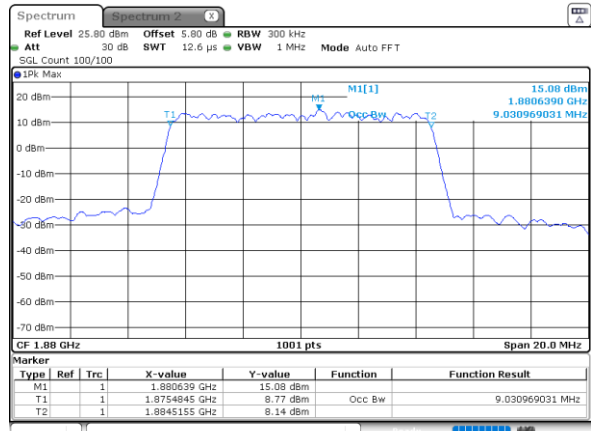


LTE Band 2

Middle Channel / 10MHz / QPSK

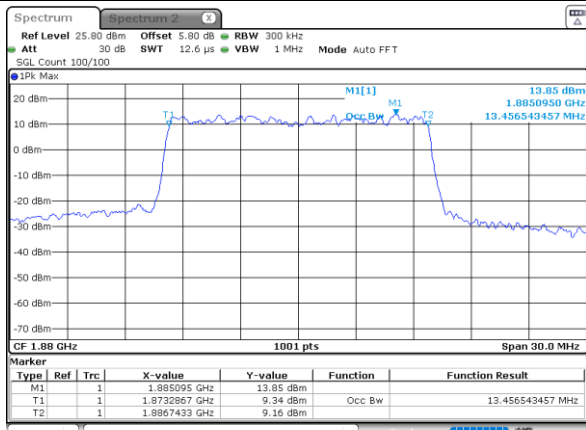


Middle Channel / 10MHz / 16QAM

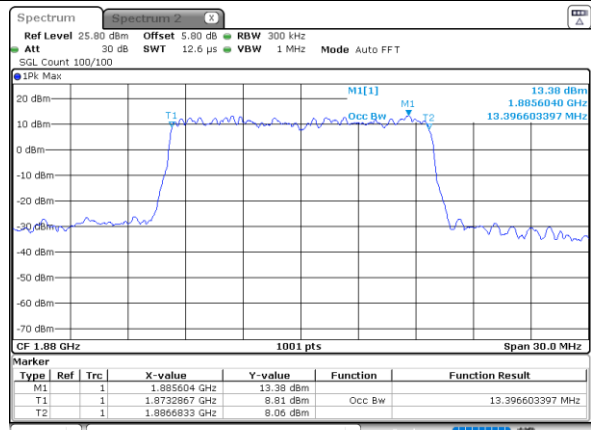


LTE Band 2

Middle Channel / 15MHz / QPSK

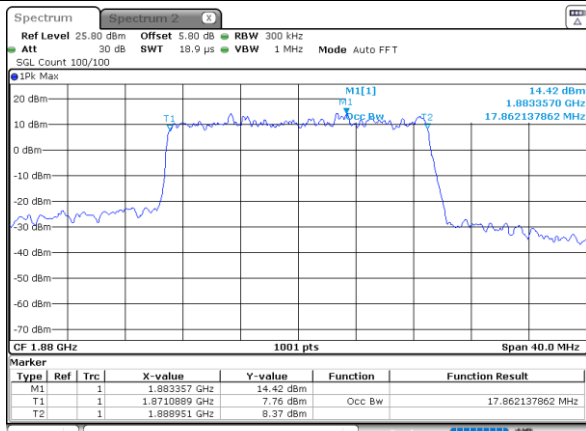


Middle Channel / 15MHz / 16QAM

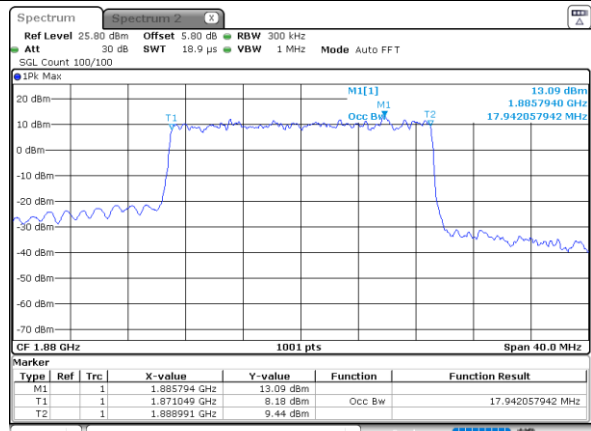


LTE Band 2

Middle Channel / 20MHz / QPSK



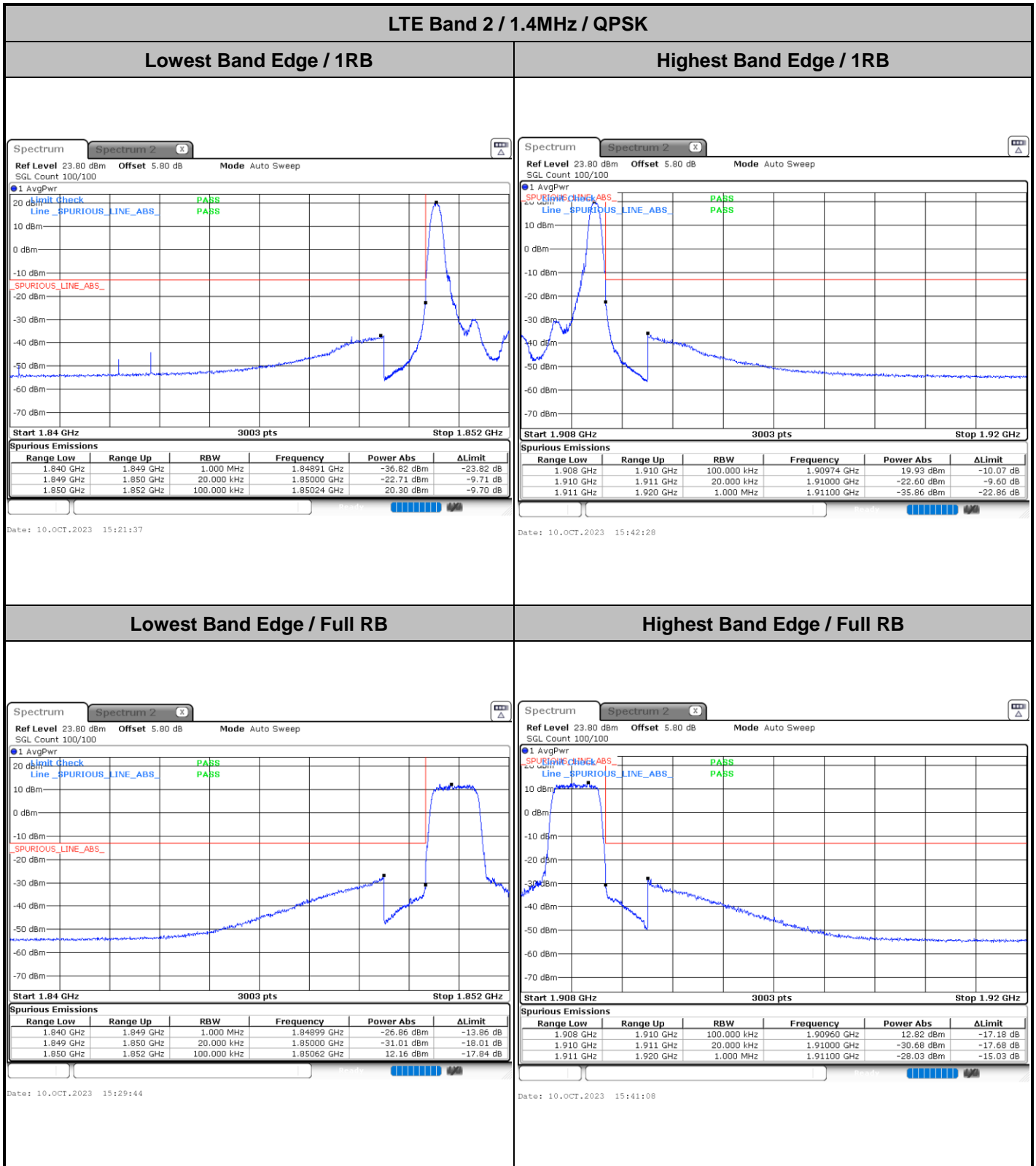
Middle Channel / 20MHz / 16QAM







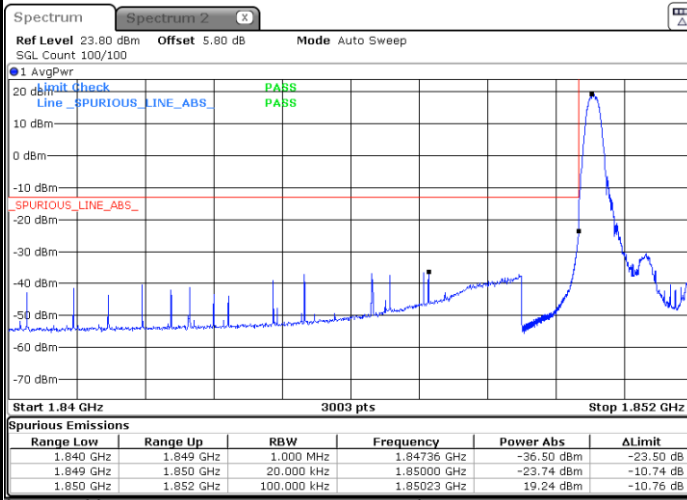
# Conducted Band Edge





LTE Band 2 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



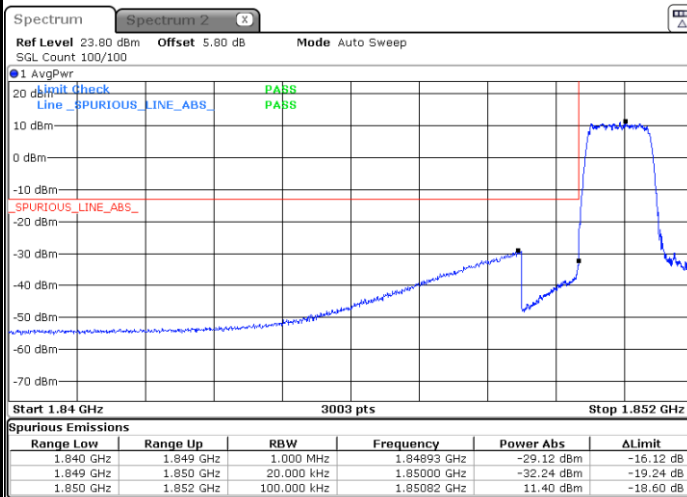
Date: 10.OCT.2023 15:23:29

Highest Band Edge / 1 RB



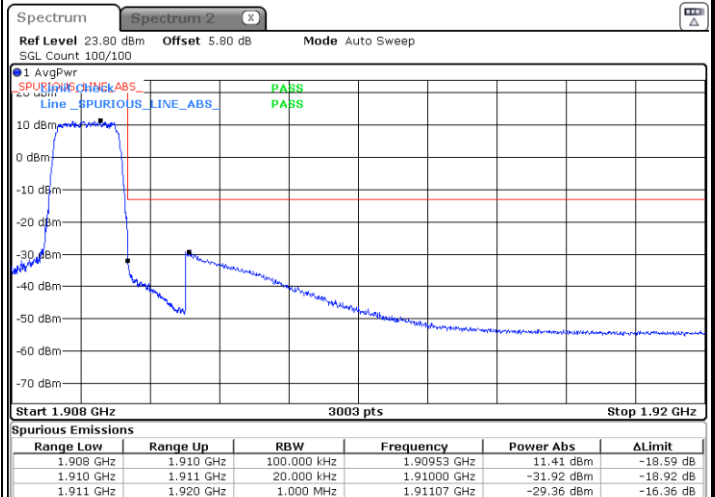
Date: 10.OCT.2023 15:43:50

Lowest Band Edge / Full RB



Date: 10.OCT.2023 15:31:03

Highest Band Edge / Full RB

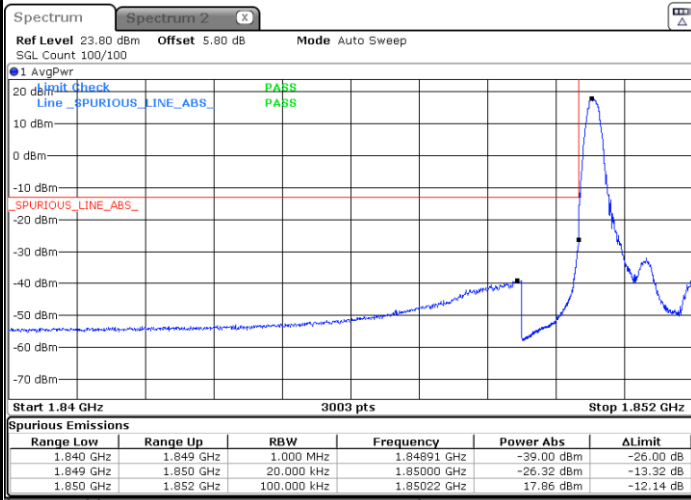


Date: 10.OCT.2023 15:39:56

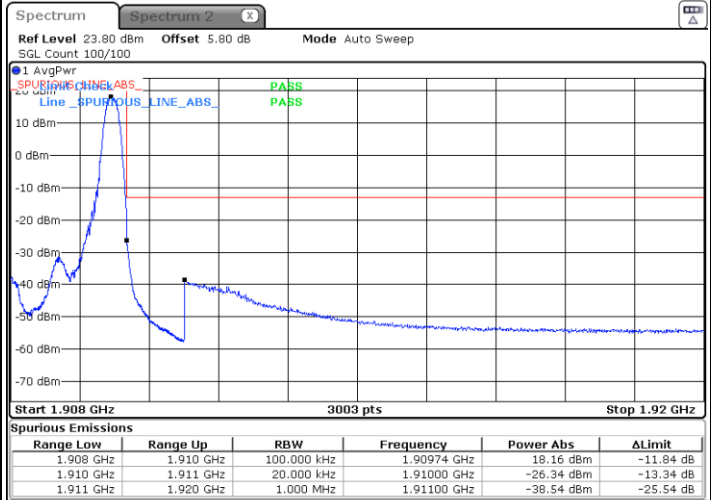


LTE Band 2 / 1.4MHz / 64QAM

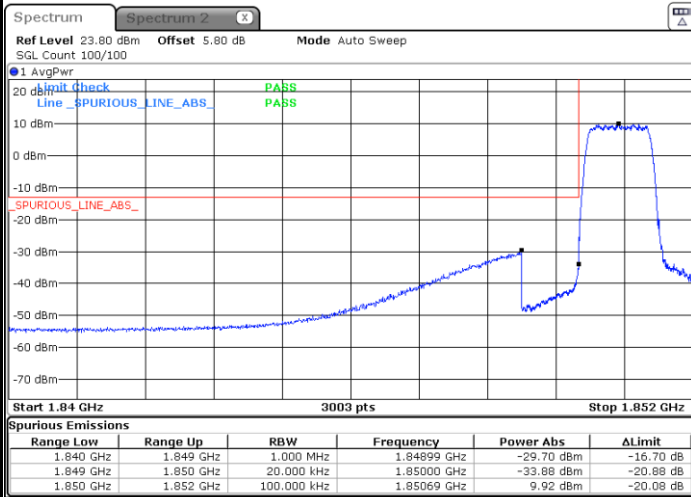
Lowest Band Edge / 1 RB



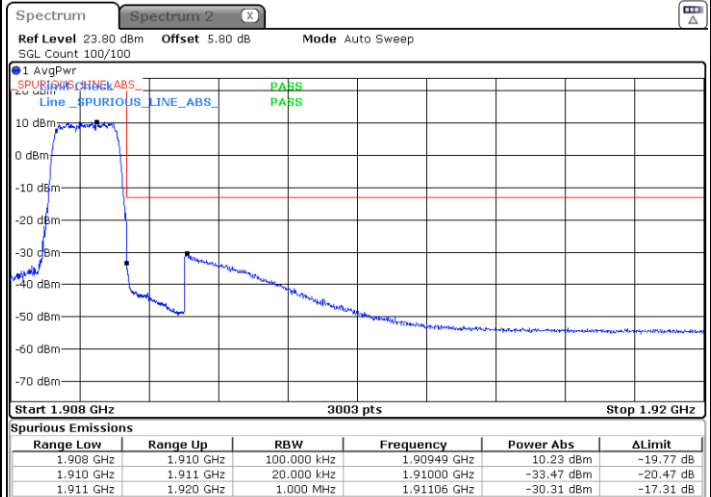
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



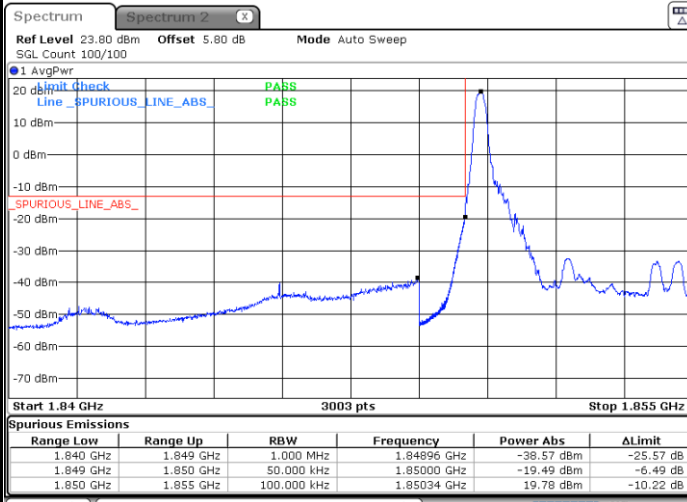
Highest Band Edge / Full RB





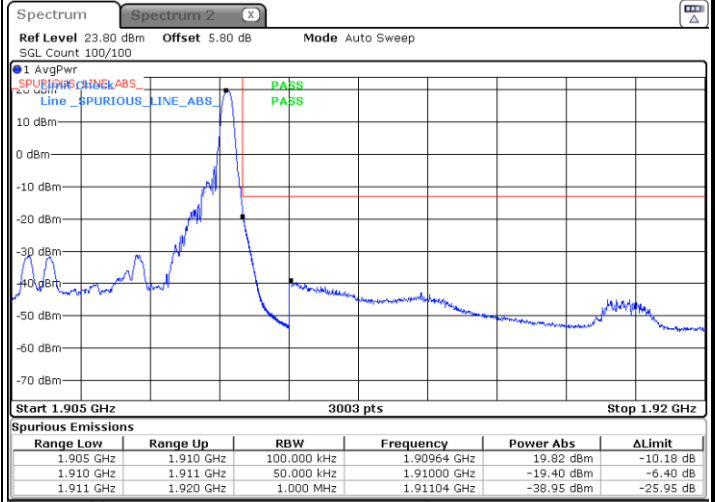
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB



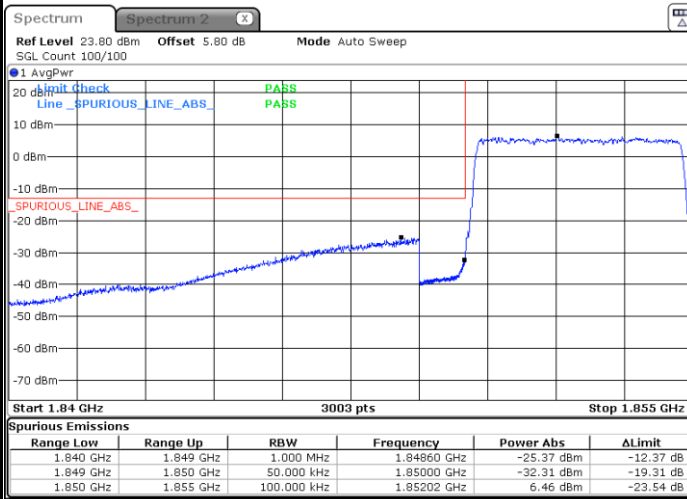
Date: 10.OCT.2023 15:57:17

Highest Band Edge / 1 RB



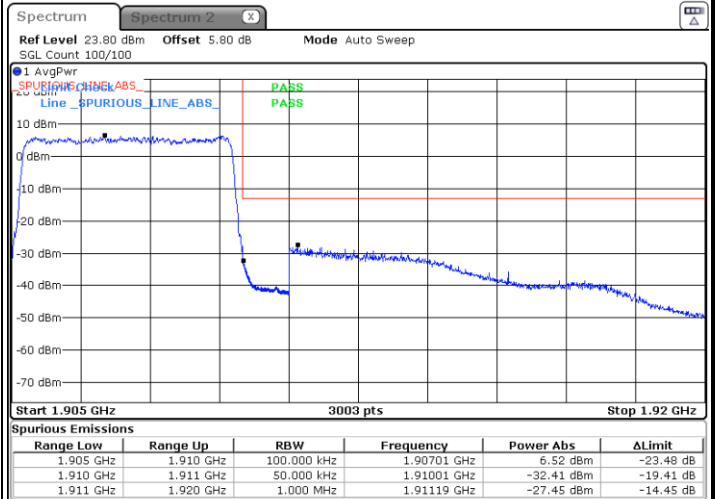
Date: 10.OCT.2023 16:06:12

Lowest Band Edge / Full RB



Date: 10.OCT.2023 16:01:18

Highest Band Edge / Full RB



Date: 10.OCT.2023 16:02:19