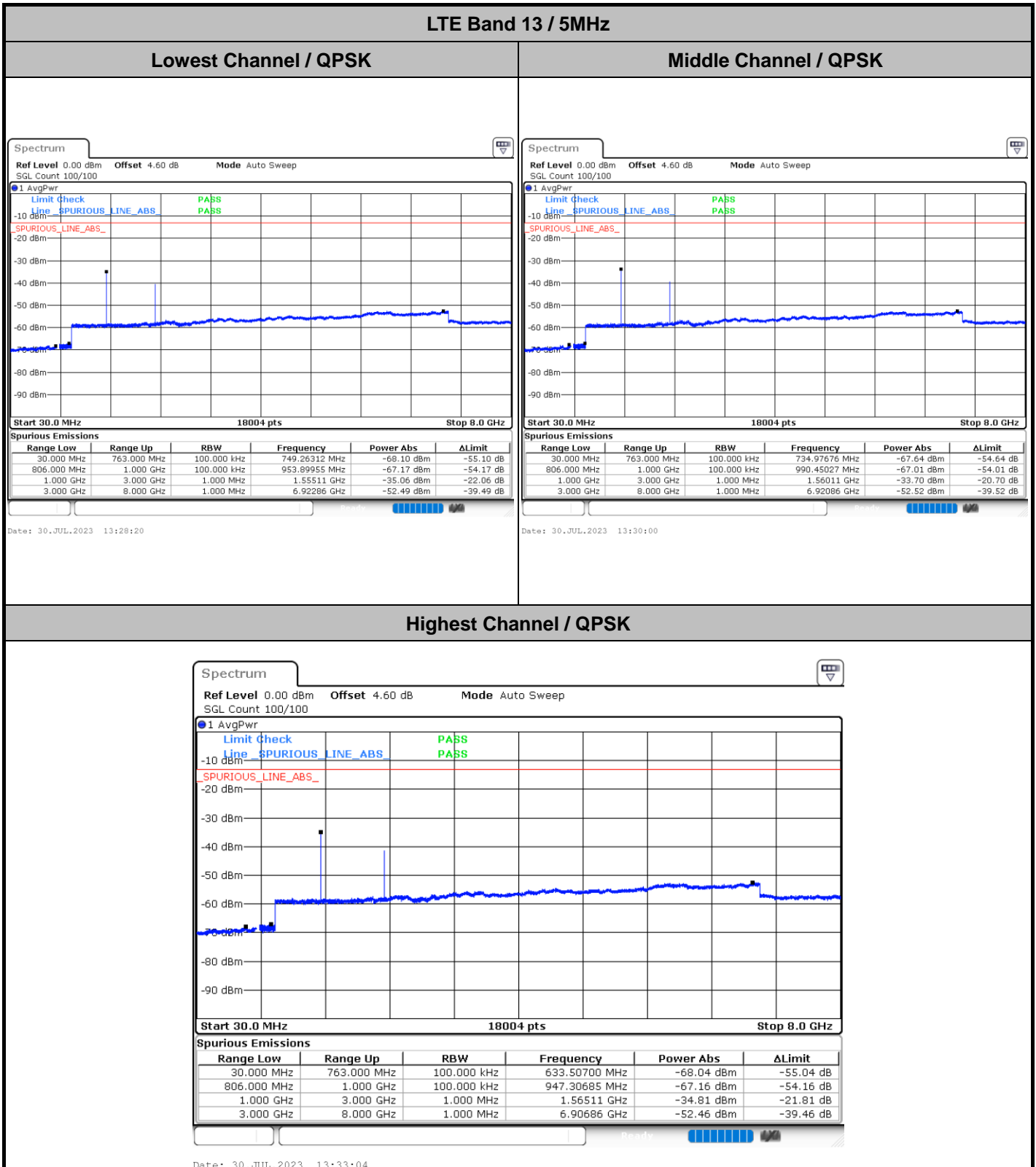




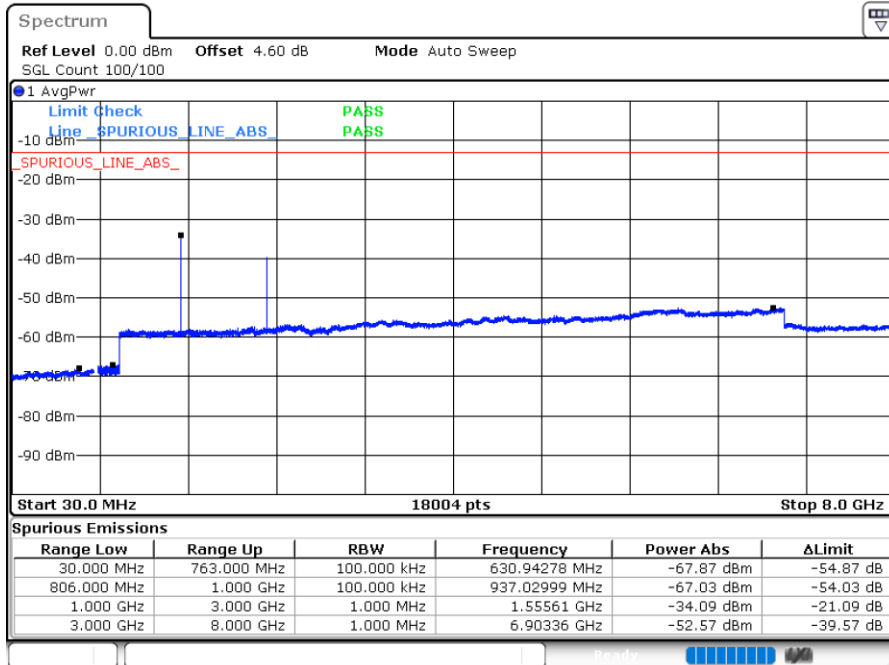
# Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 30 JUL 2023 13:49:21



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0058	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0039	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0062	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0046	

Note:

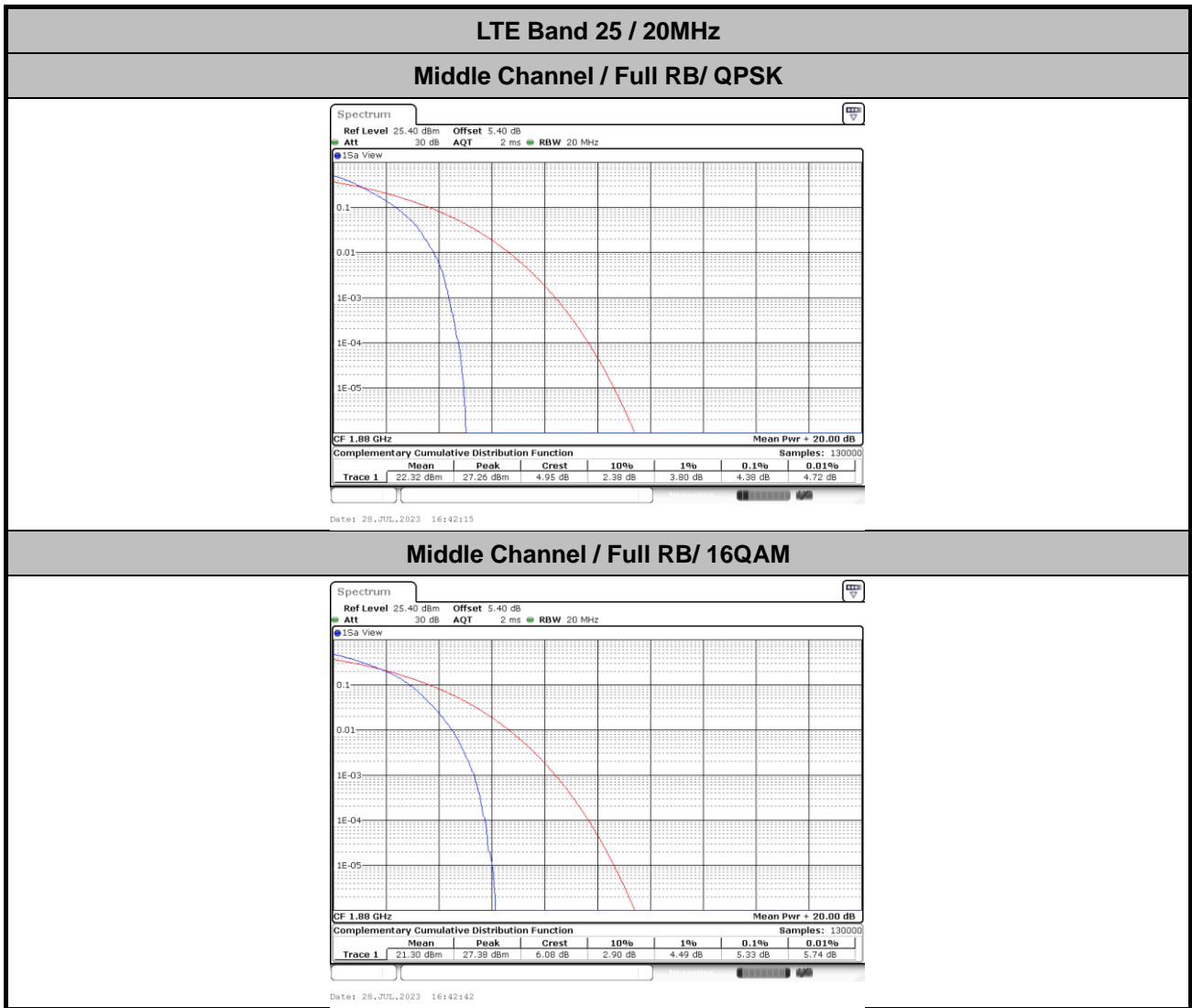
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.5V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 25

## Peak-to-Average Ratio

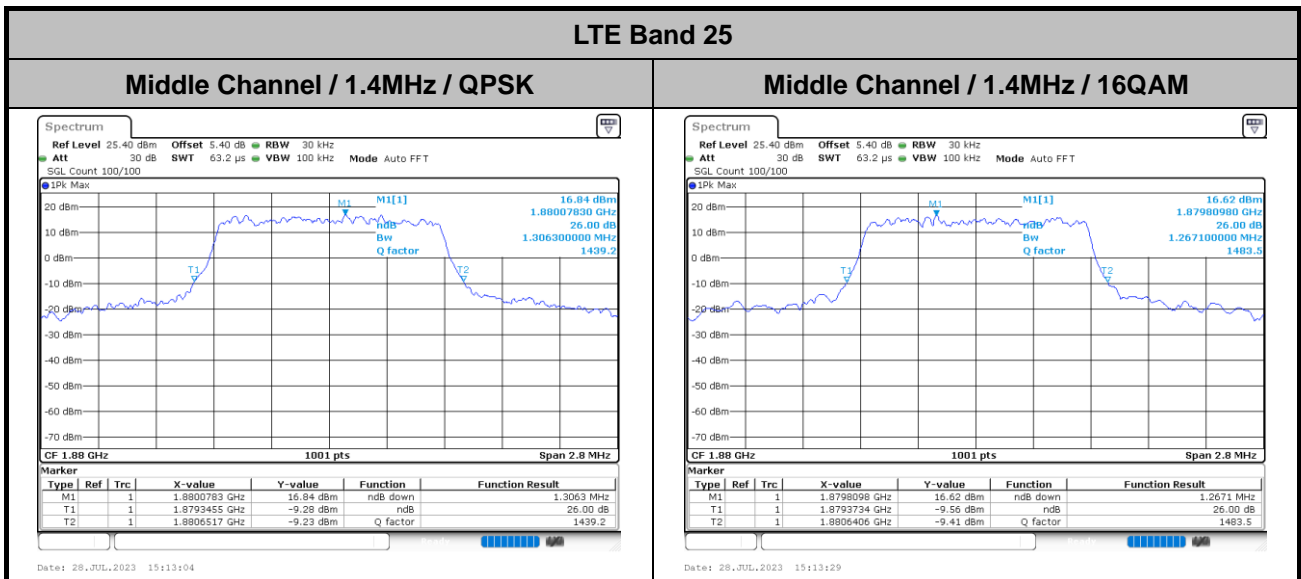
Mode	LTE Band 25 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.38	5.33	PASS





## 26dB Bandwidth

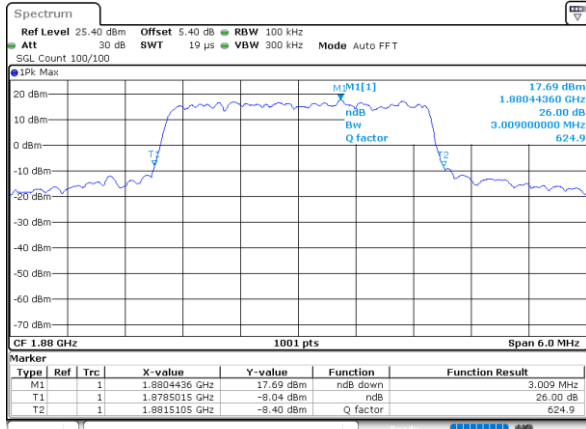
Mode	LTE Band 25 : 26dB BW(MHz)	
<b>BW</b>	<b>1.4MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	1.31	1.27
<b>BW</b>	<b>3MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	3.01	3.02
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.83	4.92
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.77	9.95
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	14.30	14.72
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	19.06	19.14





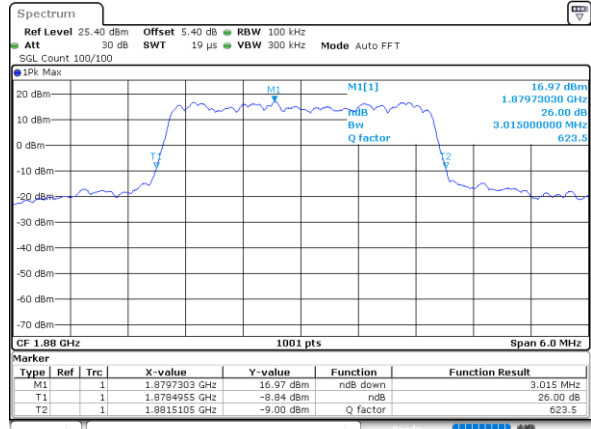
LTE Band 25

Middle Channel / 3MHz / QPSK



Date: 28\_JUL\_2023 15:31:54

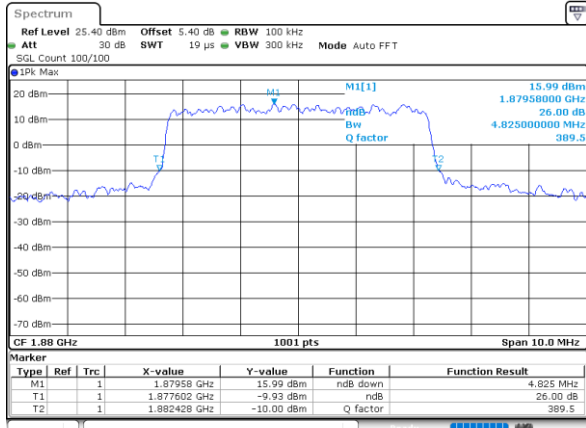
Middle Channel / 3MHz / 16QAM



Date: 28\_JUL\_2023 15:32:41

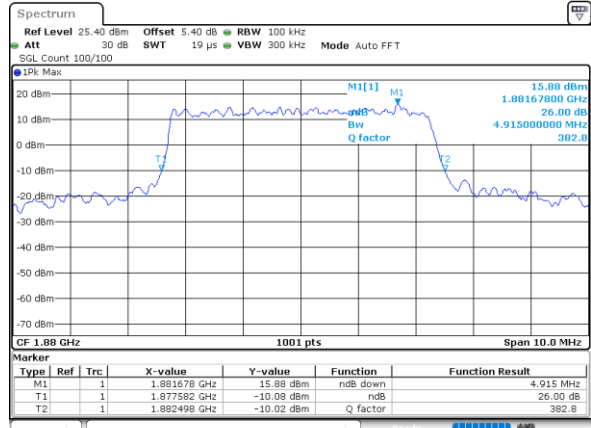
LTE Band 25

Middle Channel / 5MHz / QPSK



Date: 28\_JUL\_2023 15:51:57

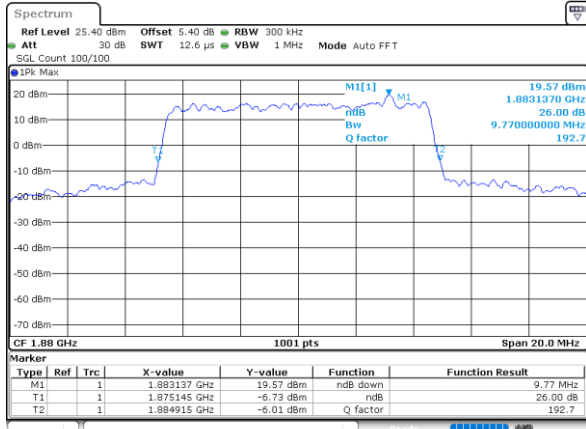
Middle Channel / 5MHz / 16QAM



Date: 28\_JUL\_2023 15:52:19

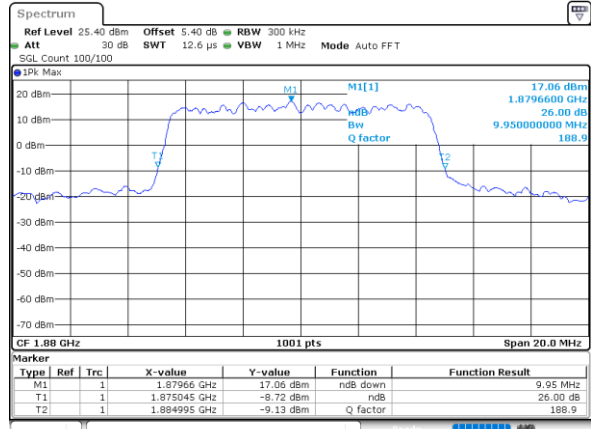
LTE Band 25

Middle Channel / 10MHz / QPSK



Date: 28\_JUL\_2023 16:06:18

Middle Channel / 10MHz / 16QAM

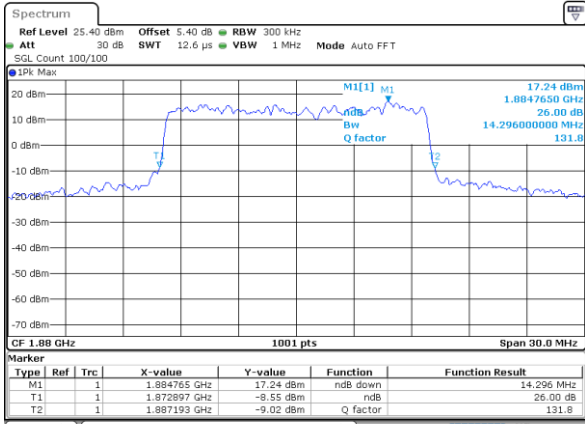


Date: 28\_JUL\_2023 16:07:03



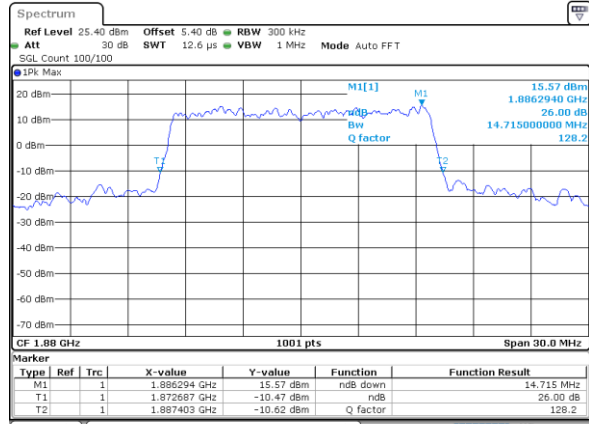
LTE Band 25

Middle Channel / 15MHz / QPSK



Date: 28\_JUL\_2023 16:20:58

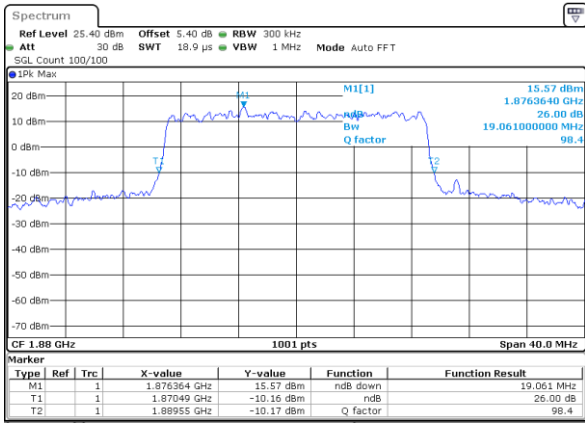
Middle Channel / 15MHz / 16QAM



Date: 28\_JUL\_2023 16:21:23

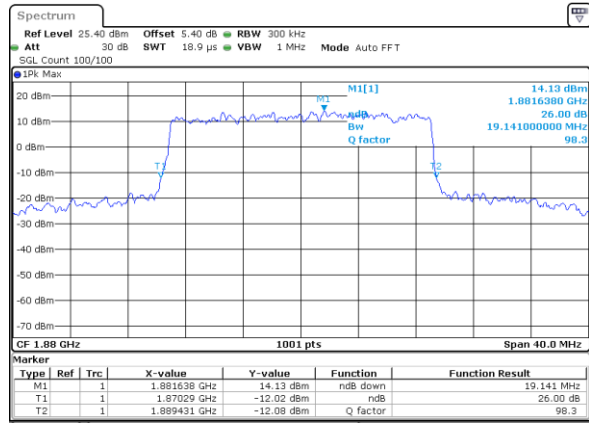
LTE Band 25

Middle Channel / 20MHz / QPSK



Date: 28\_JUL\_2023 16:35:16

Middle Channel / 20MHz / 16QAM

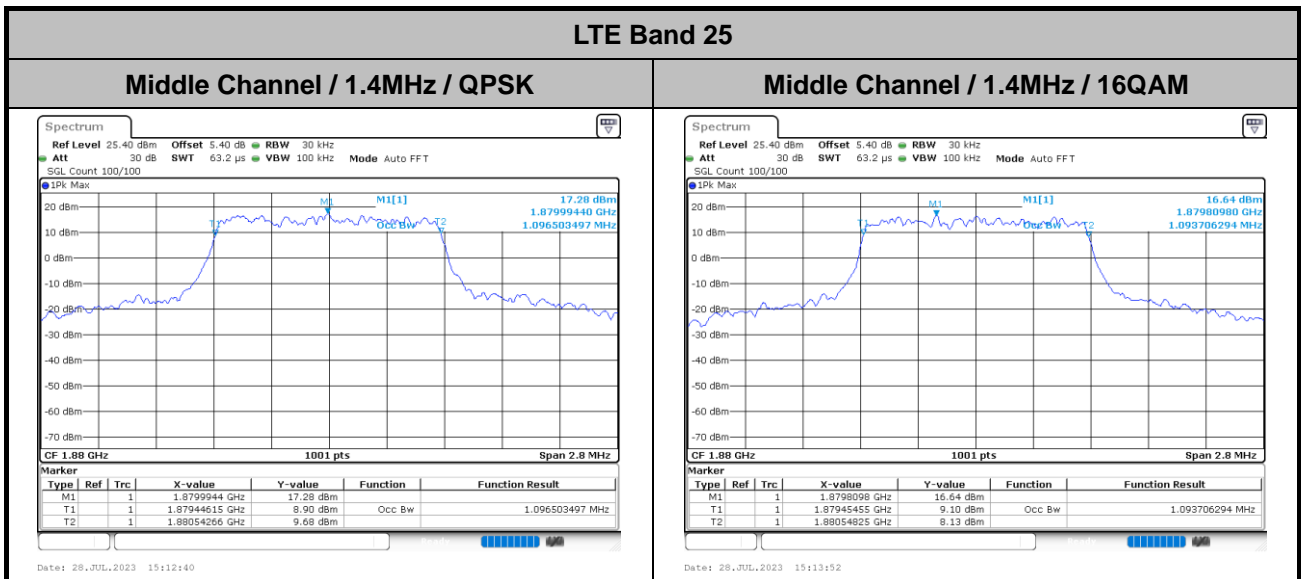


Date: 28\_JUL\_2023 16:35:40



## Occupied Bandwidth

Mode	LTE Band 25 : 99%OBW(MHz)	
<b>BW</b>	<b>1.4MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	1.10	1.09
<b>BW</b>	<b>3MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	2.73	2.72
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.49	4.49
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	8.99	9.05
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	13.46	13.49
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	17.94	17.98

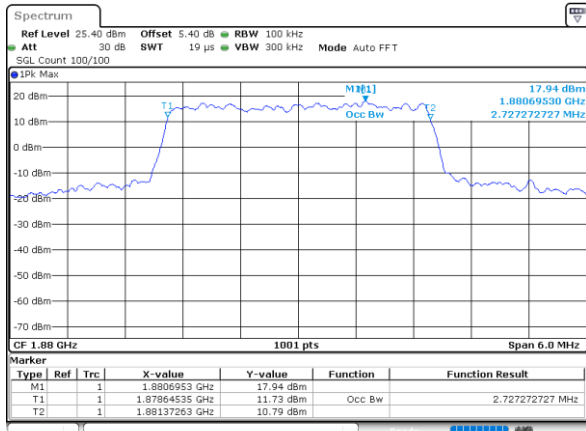






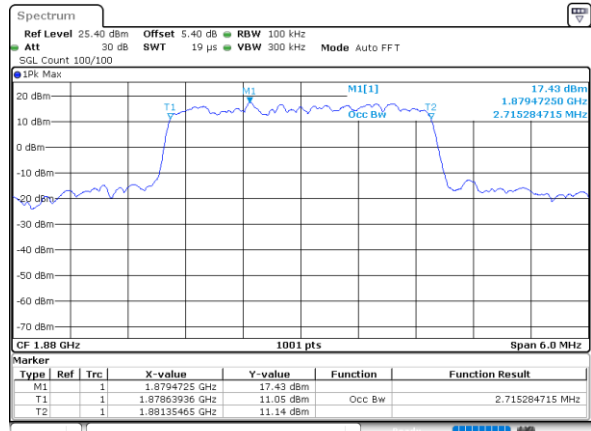
LTE Band 25

Middle Channel / 3MHz / QPSK



Date: 28\_JUL\_2023 15:31:33

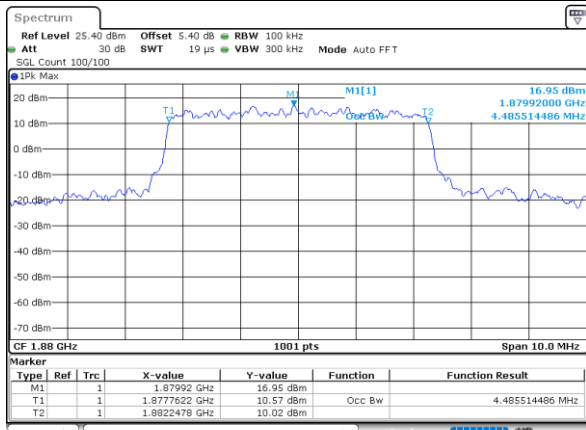
Middle Channel / 3MHz / 16QAM



Date: 28\_JUL\_2023 15:32:17

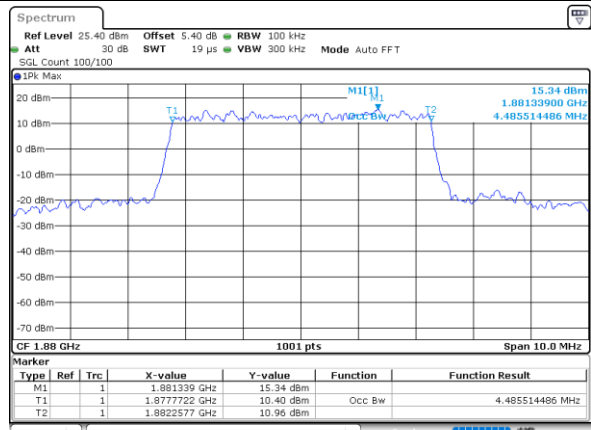
LTE Band 25

Middle Channel / 5MHz / QPSK



Date: 28\_JUL\_2023 15:51:35

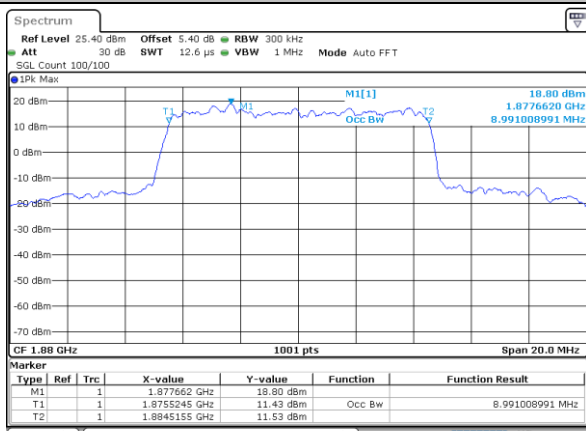
Middle Channel / 5MHz / 16QAM



Date: 28\_JUL\_2023 15:52:40

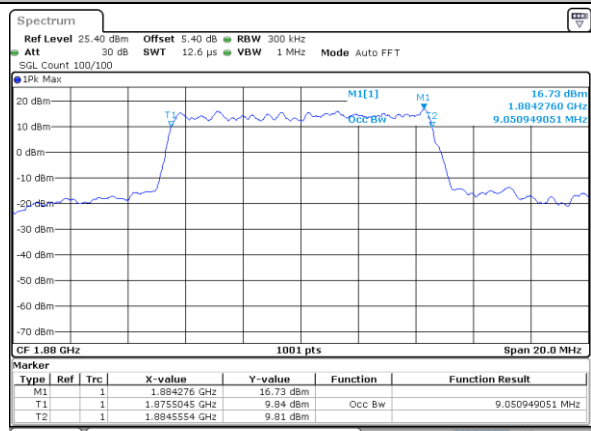
LTE Band 25

Middle Channel / 10MHz / QPSK



Date: 28\_JUL\_2023 16:05:56

Middle Channel / 10MHz / 16QAM

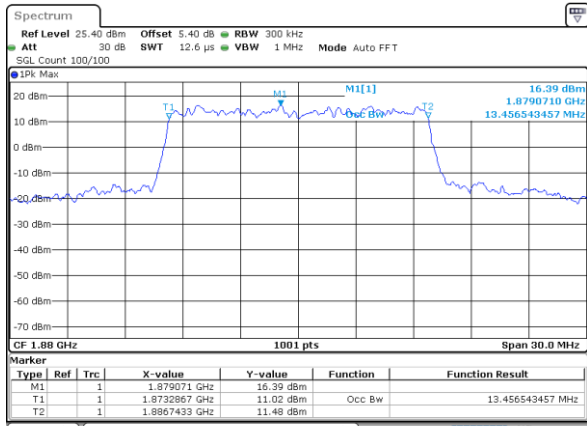


Date: 28\_JUL\_2023 16:06:41



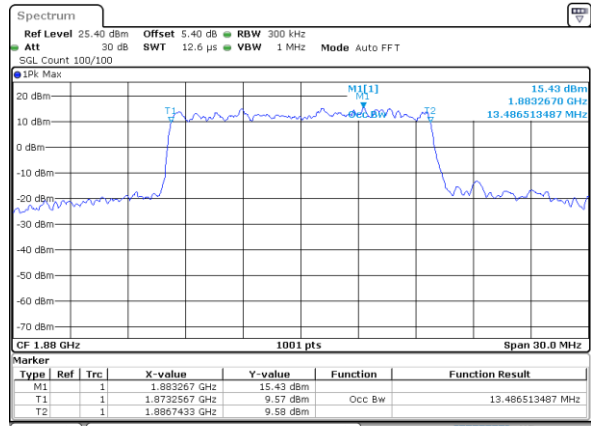
LTE Band 25

Middle Channel / 15MHz / QPSK



Date: 28\_JUL\_2023 16:20:34

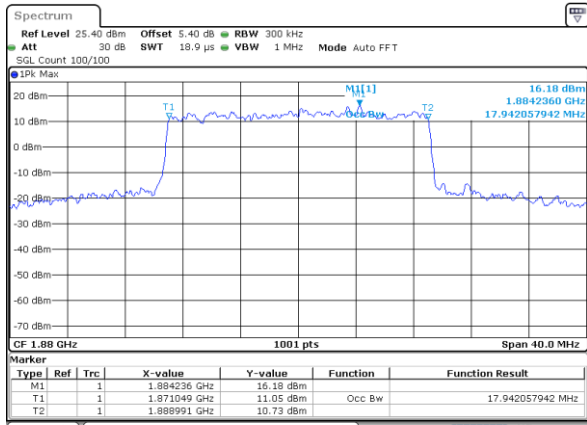
Middle Channel / 15MHz / 16QAM



Date: 28\_JUL\_2023 16:21:46

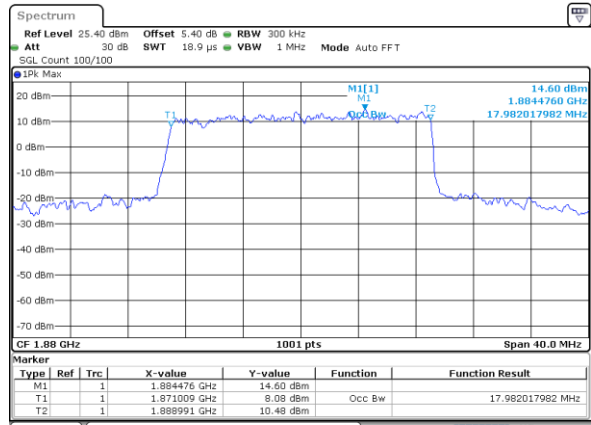
LTE Band 25

Middle Channel / 20MHz / QPSK



Date: 28\_JUL\_2023 16:34:52

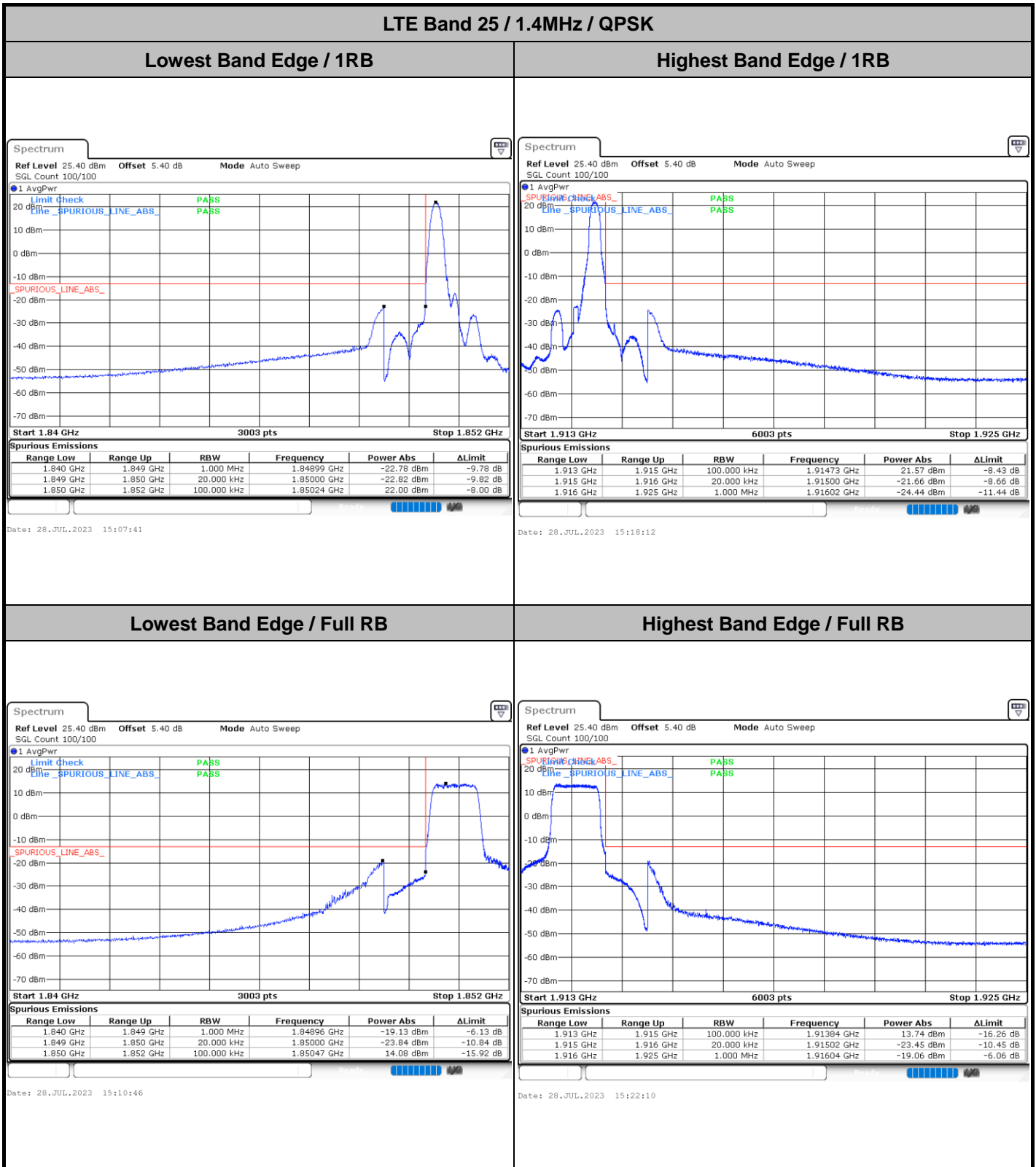
Middle Channel / 20MHz / 16QAM



Date: 28\_JUL\_2023 16:36:05



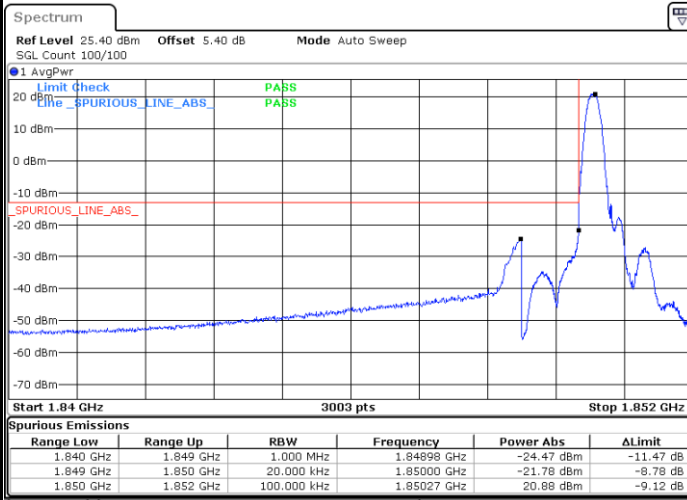
# Conducted Band Edge





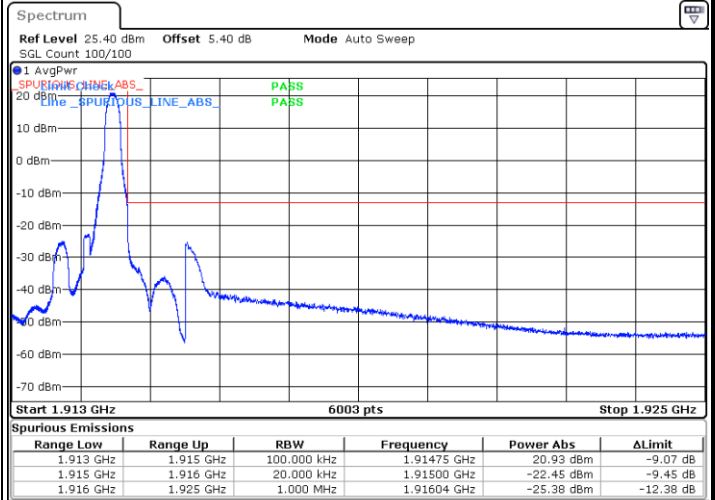
LTE Band 25 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



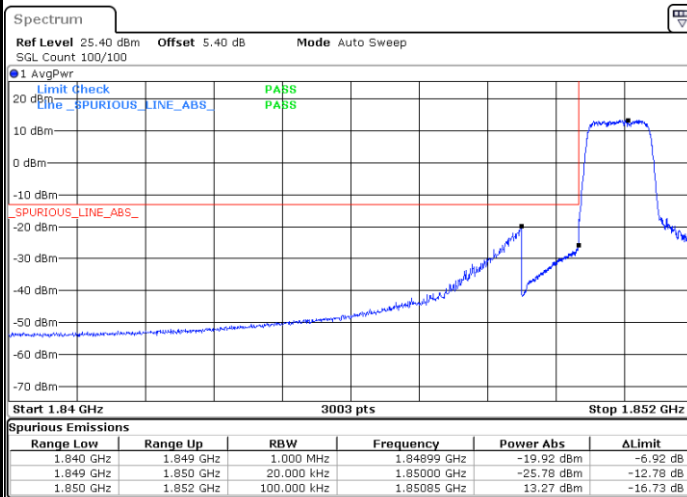
Date: 28.JUL.2023 15:09:15

Highest Band Edge / 1 RB



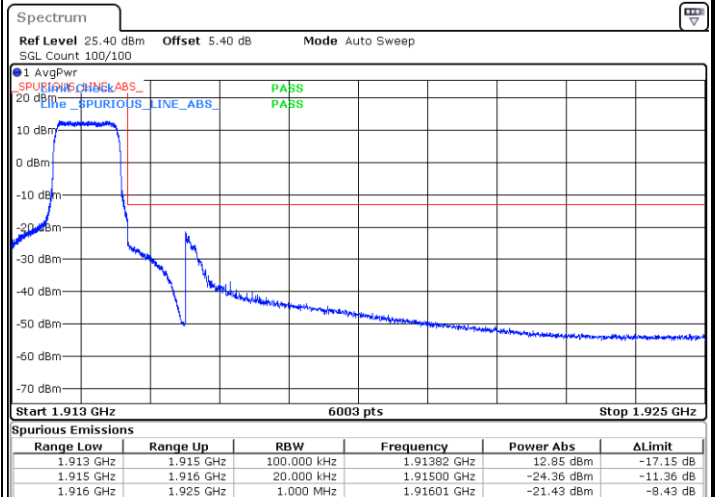
Date: 28.JUL.2023 15:20:38

Lowest Band Edge / Full RB



Date: 28.JUL.2023 15:12:17

Highest Band Edge / Full RB

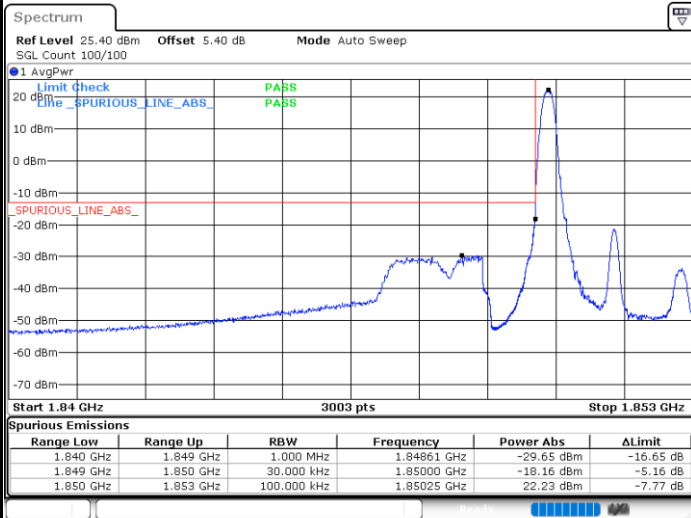


Date: 28.JUL.2023 15:23:42

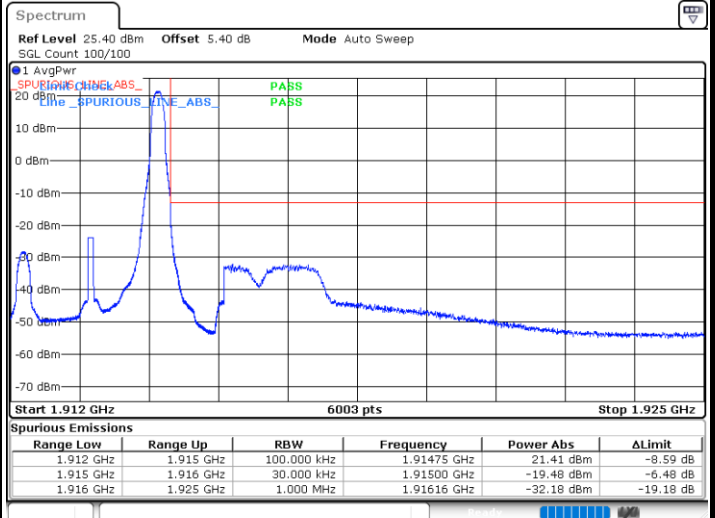


LTE Band 25 / 3MHz / QPSK

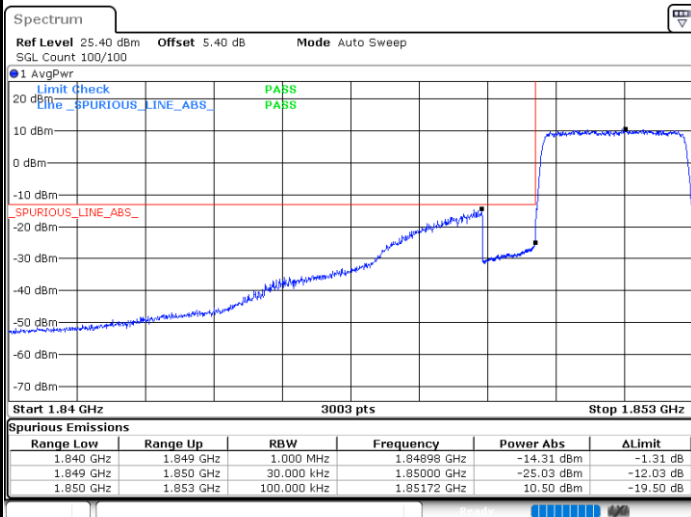
Lowest Band Edge / 1RB



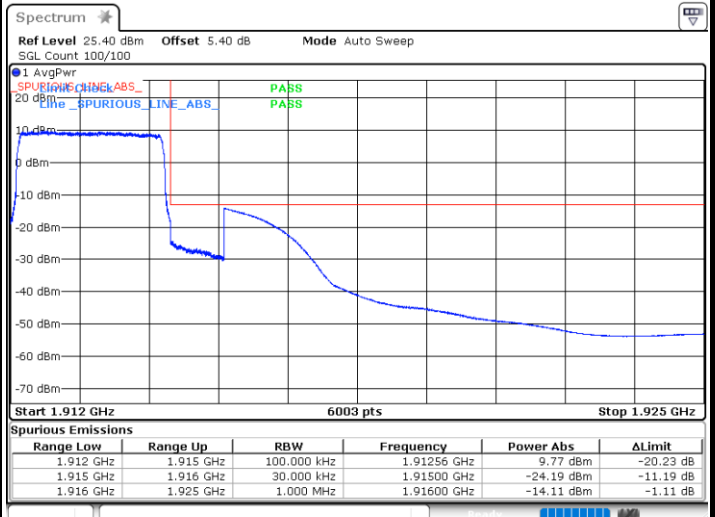
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



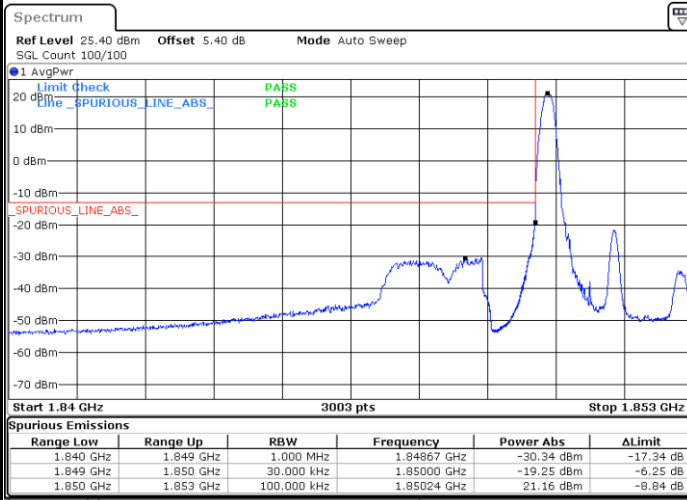
Highest Band Edge / Full RB





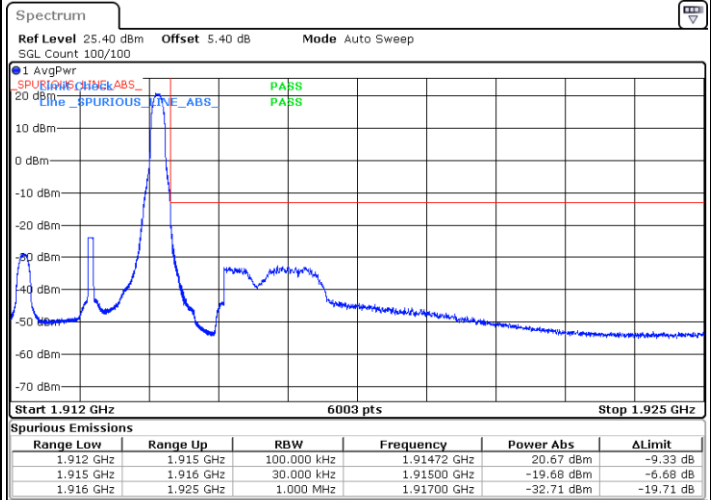
LTE Band 25 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



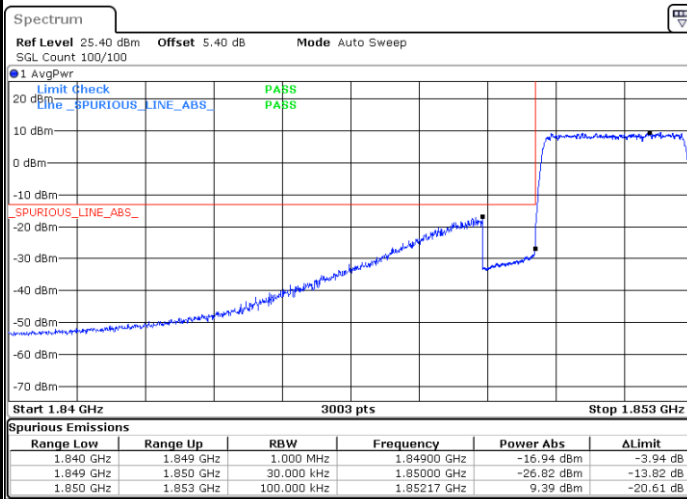
Date: 28.JUL.2023 15:31:07

Highest Band Edge / 1 RB



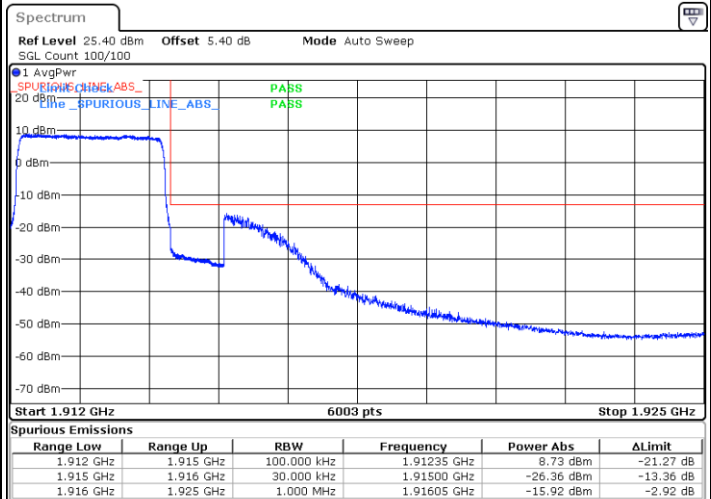
Date: 28.JUL.2023 15:38:25

Lowest Band Edge / Full RB



Date: 28.JUL.2023 15:26:44

Highest Band Edge / Full RB

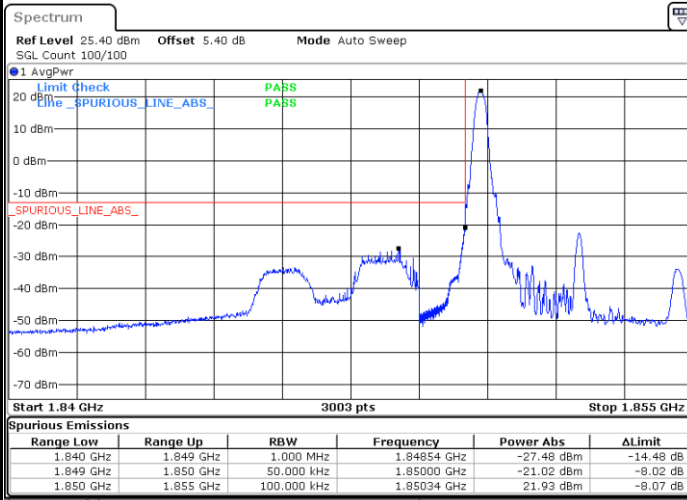


Date: 28.JUL.2023 15:41:26



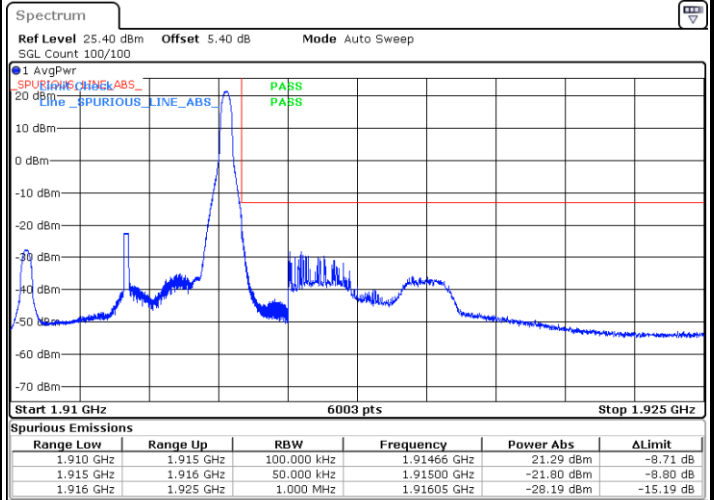
LTE Band 25 / 5MHz / QPSK

Lowest Band Edge / 1 RB



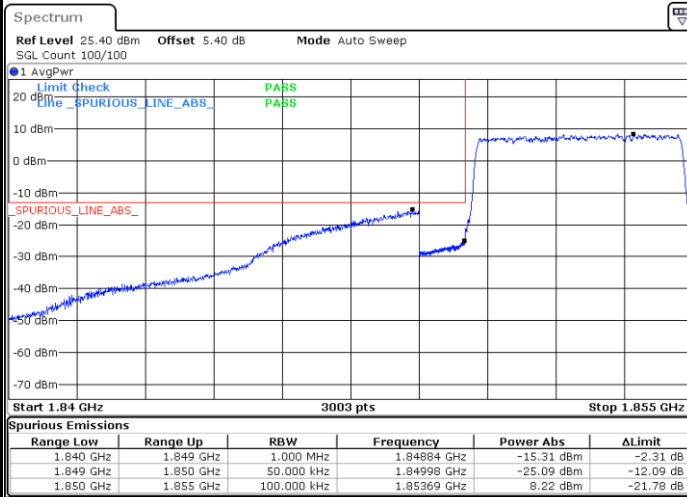
Date: 28.JUL.2023 15:48:46

Highest Band Edge / 1 RB



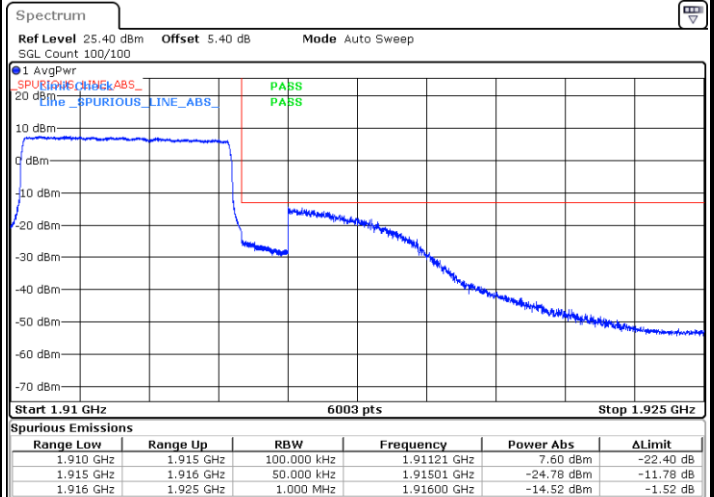
Date: 28.JUL.2023 15:57:19

Lowest Band Edge / Full RB



Date: 28.JUL.2023 15:42:58

Highest Band Edge / Full RB

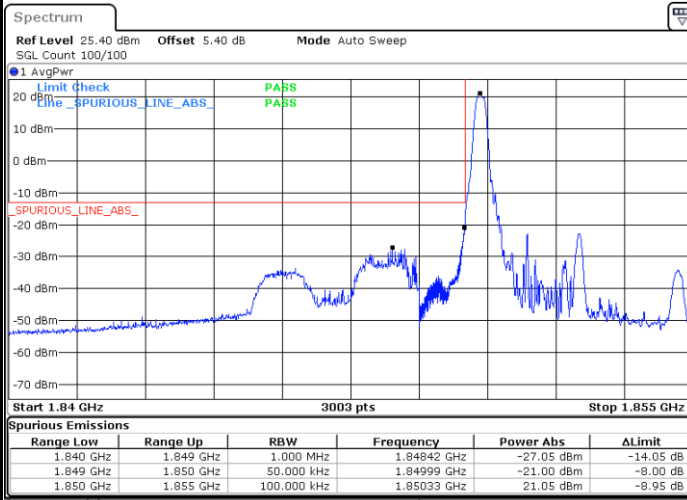


Date: 28.JUL.2023 15:55:07



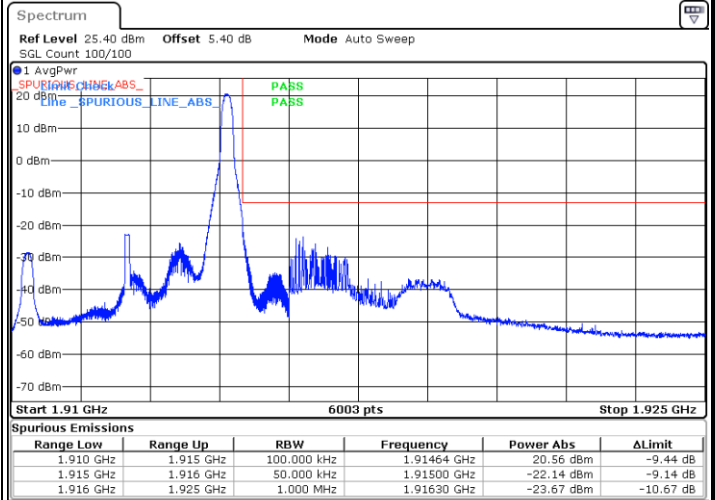
LTE Band 25 / 5MHz / 16QAM

Lowest Band Edge / 1RB



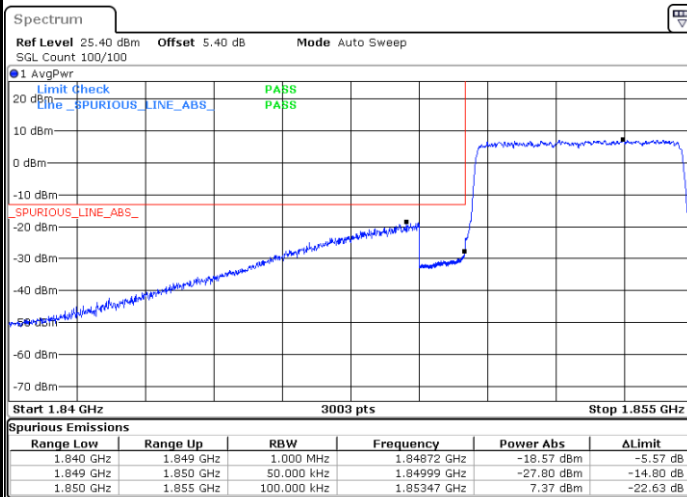
Date: 28.JUL.2023 15:49:51

Highest Band Edge / 1 RB



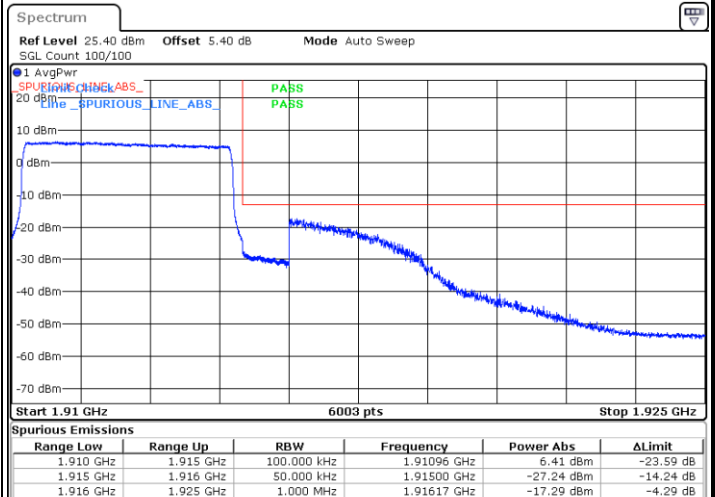
Date: 28.JUL.2023 15:58:24

Lowest Band Edge / Full RB



Date: 28.JUL.2023 15:44:28

Highest Band Edge / Full RB



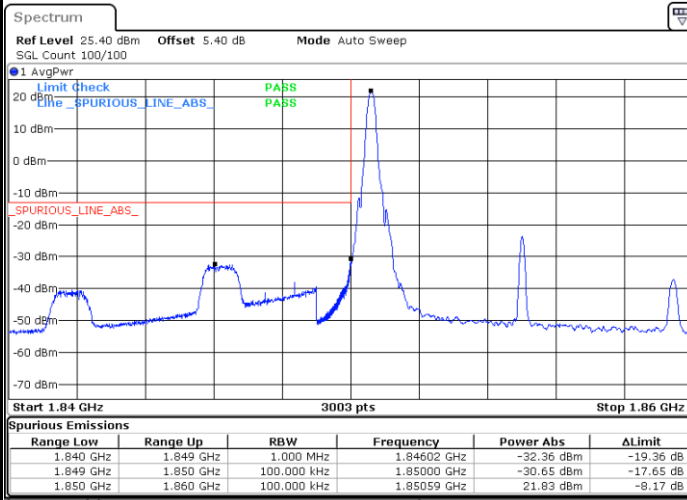
Date: 28.JUL.2023 15:56:13





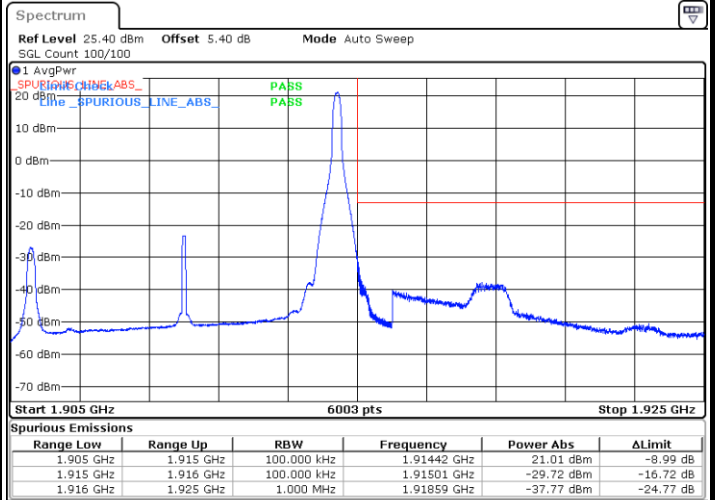
LTE Band 25 / 10MHz / QPSK

Lowest Band Edge / 1 RB



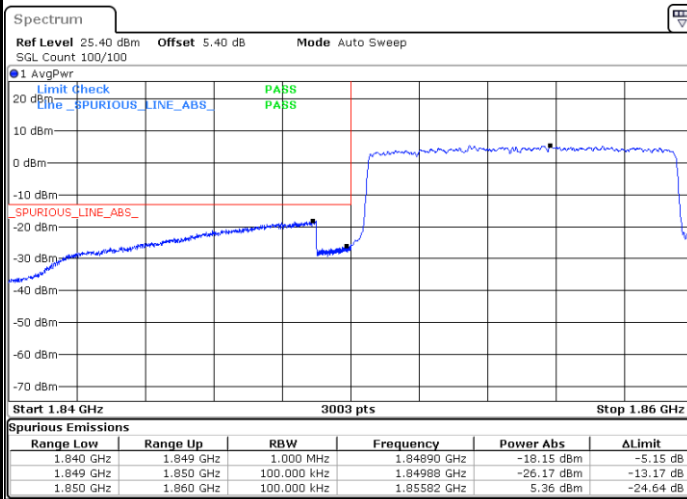
Date: 28.JUL.2023 16:01:46

Highest Band Edge / 1 RB



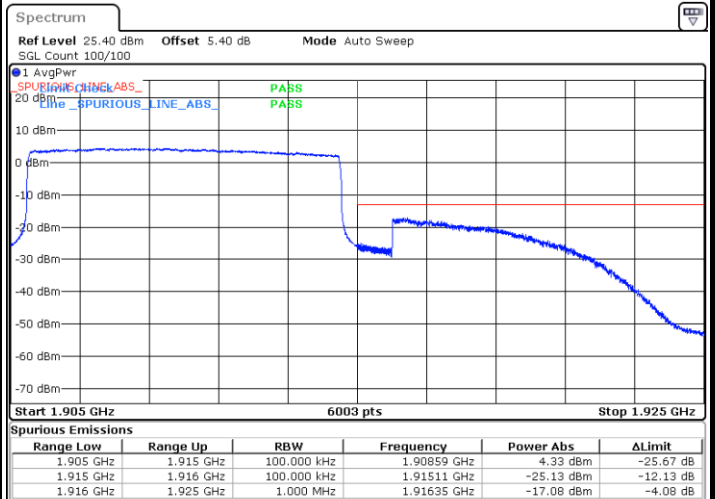
Date: 28.JUL.2023 16:11:45

Lowest Band Edge / Full RB



Date: 28.JUL.2023 15:59:31

Highest Band Edge / Full RB

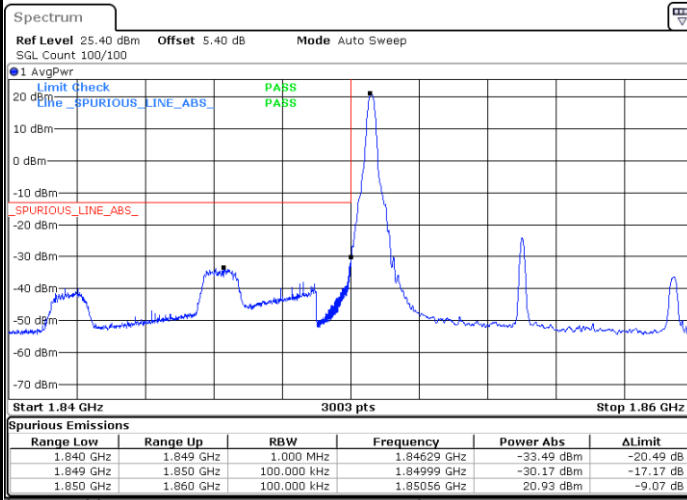


Date: 28.JUL.2023 16:09:32



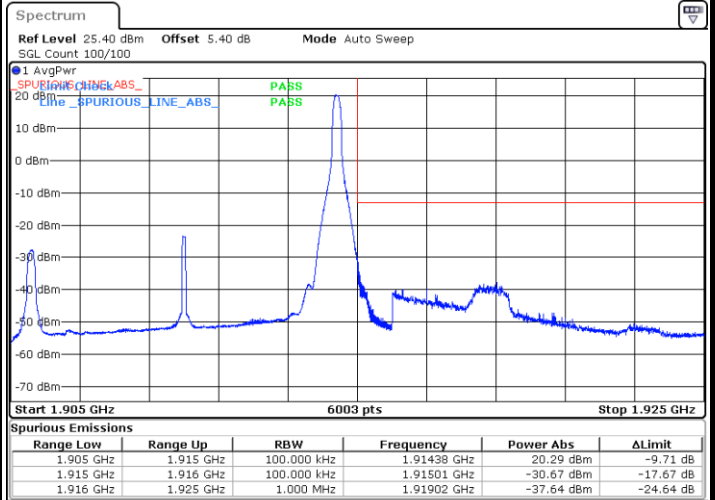
LTE Band 25 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



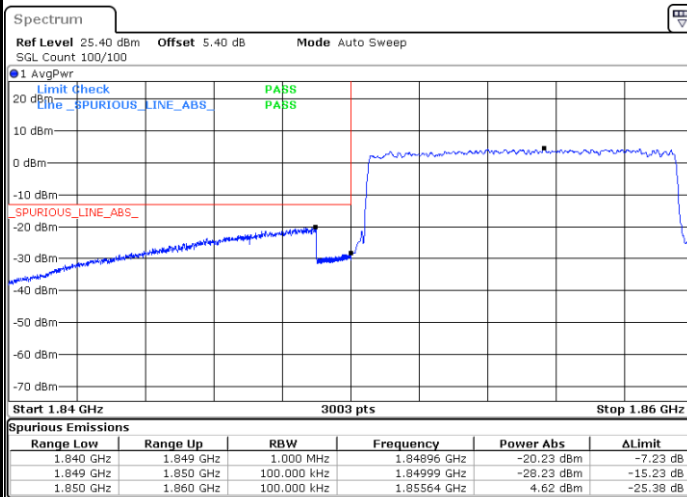
Date: 28.JUL.2023 16:04:13

Highest Band Edge / 1 RB



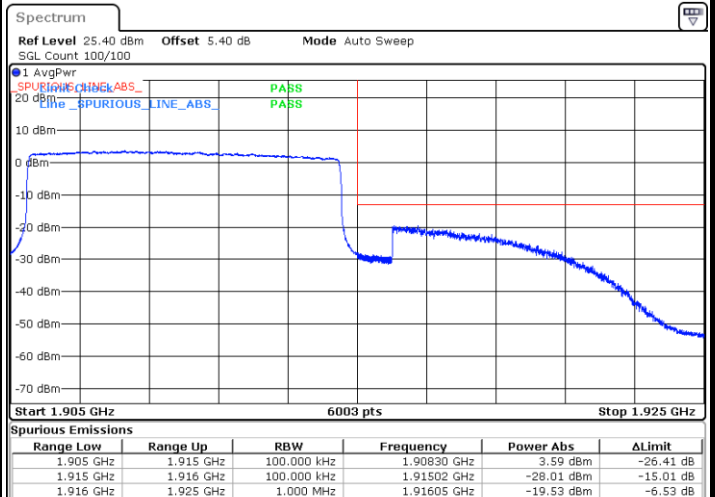
Date: 28.JUL.2023 16:12:52

Lowest Band Edge / Full RB



Date: 28.JUL.2023 16:00:39

Highest Band Edge / Full RB

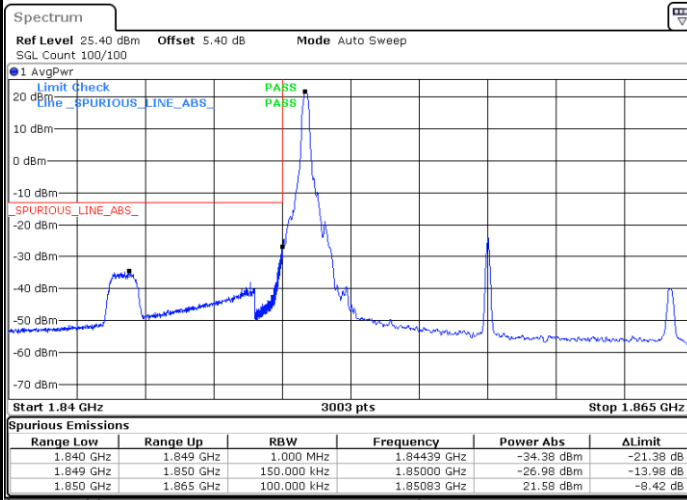


Date: 28.JUL.2023 16:10:38



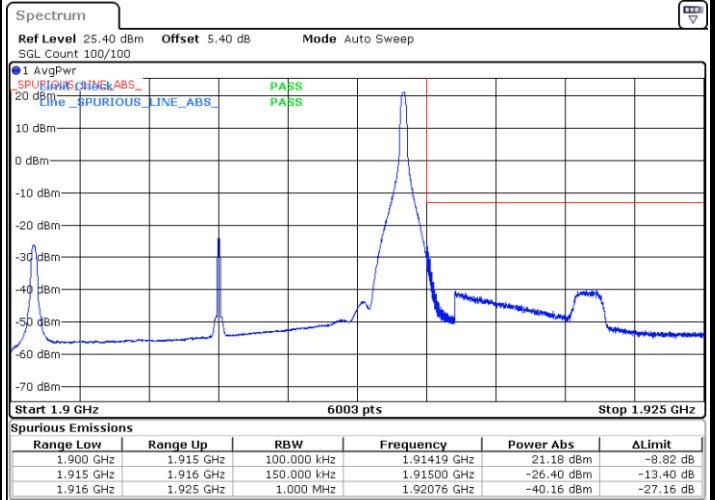
LTE Band 25 / 15MHz / QPSK

Lowest Band Edge / 1 RB



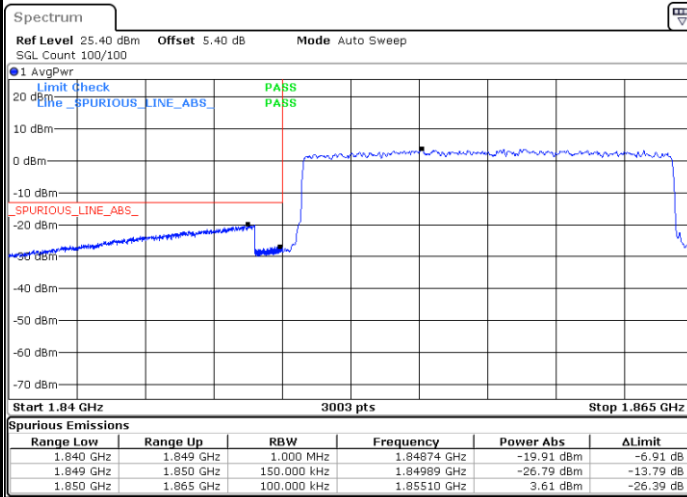
Date: 28.JUL.2023 16:17:38

Highest Band Edge / 1 RB



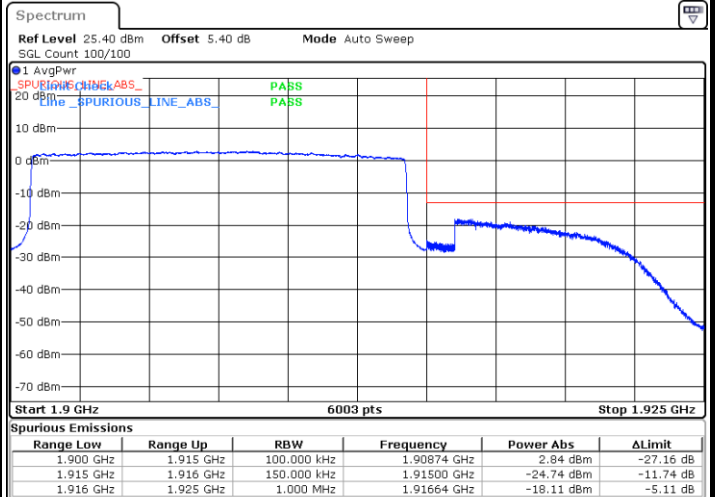
Date: 28.JUL.2023 16:26:39

Lowest Band Edge / Full RB



Date: 28.JUL.2023 16:14:00

Highest Band Edge / Full RB

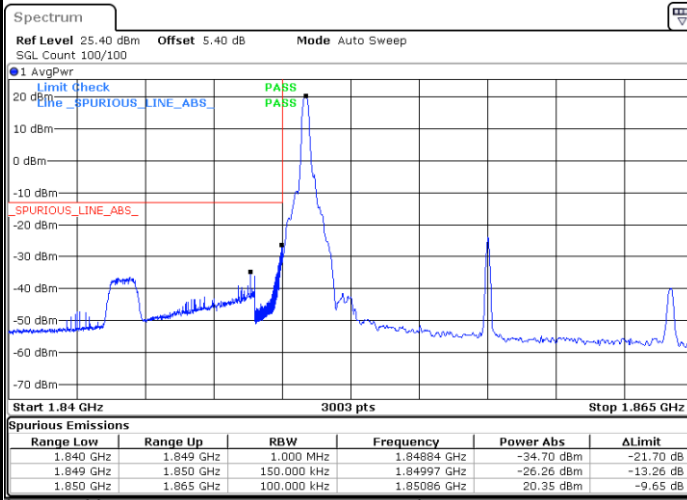


Date: 28.JUL.2023 16:24:16



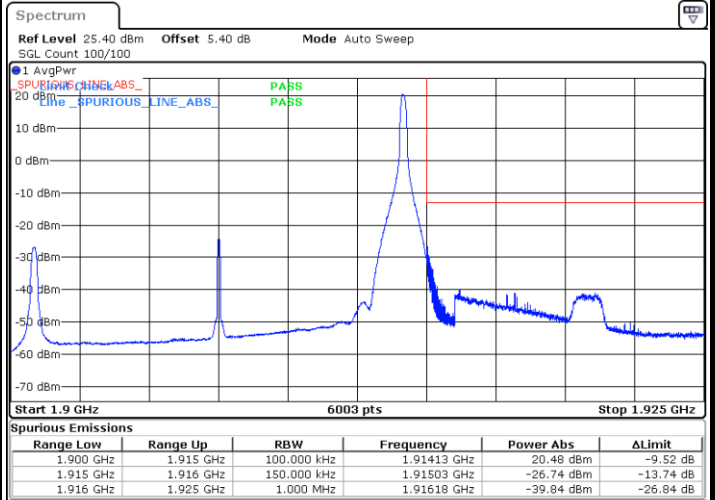
LTE Band 25 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



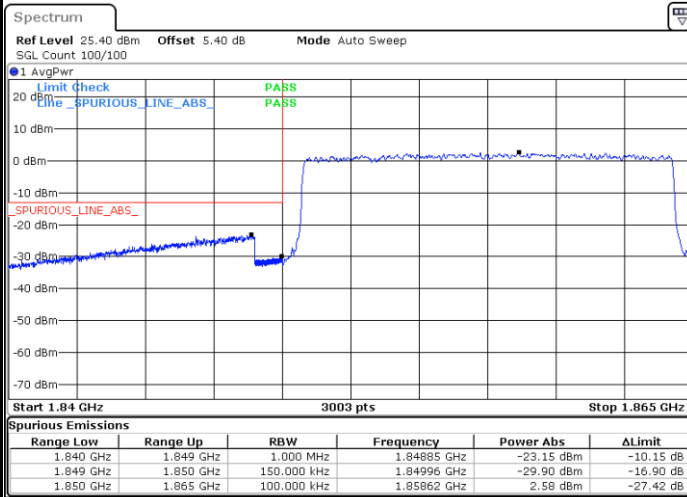
Date: 28.JUL.2023 16:18:45

Highest Band Edge / 1 RB



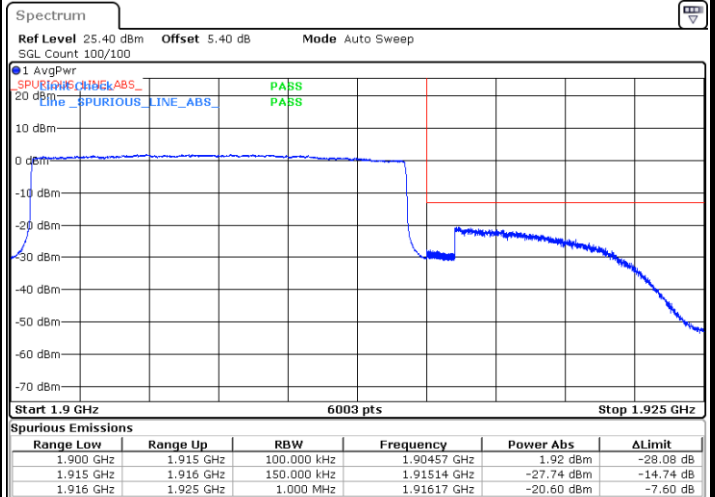
Date: 28.JUL.2023 16:27:45

Lowest Band Edge / Full RB



Date: 28.JUL.2023 16:15:07

Highest Band Edge / Full RB

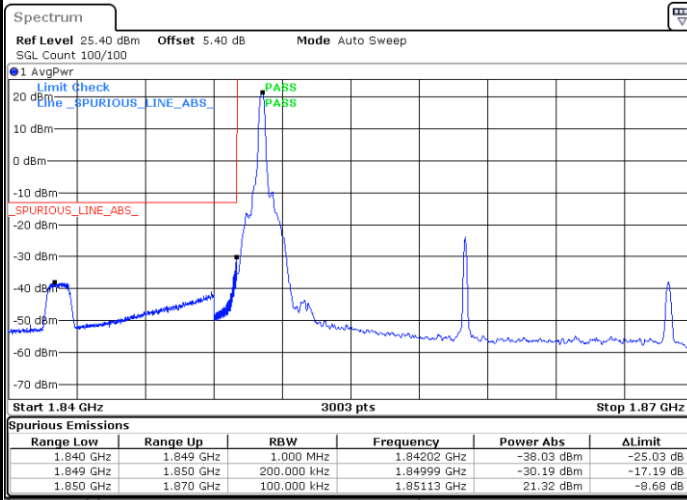


Date: 28.JUL.2023 16:25:22



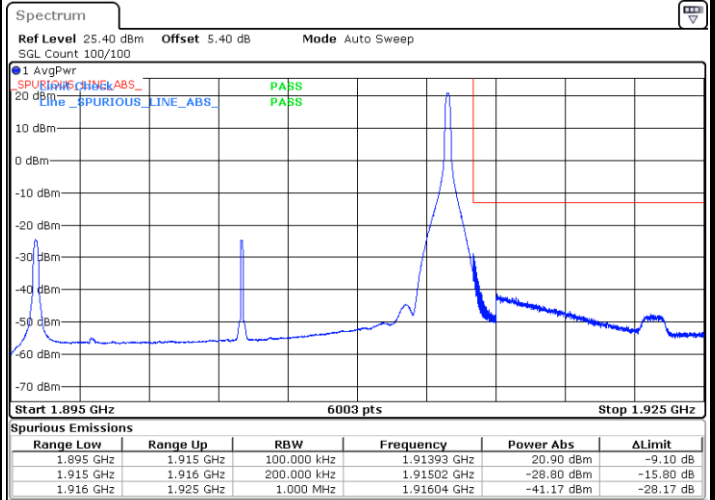
LTE Band 25 / 20MHz / QPSK

Lowest Band Edge / 1 RB



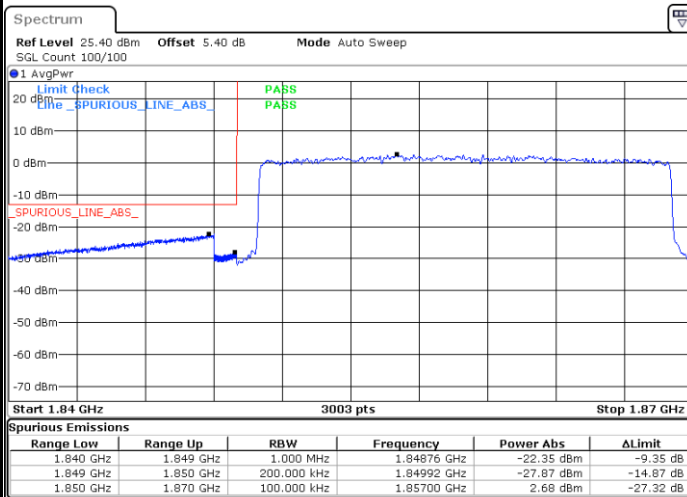
Date: 28.JUL.2023 16:32:19

Highest Band Edge / 1 RB



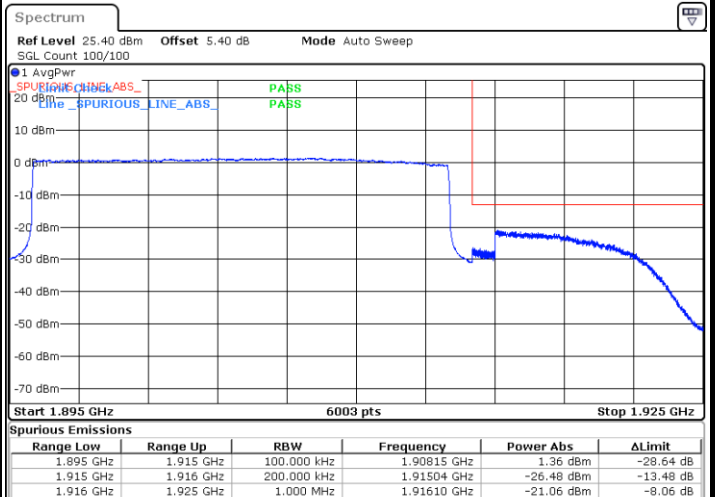
Date: 28.JUL.2023 16:48:40

Lowest Band Edge / Full RB



Date: 28.JUL.2023 16:28:52

Highest Band Edge / Full RB

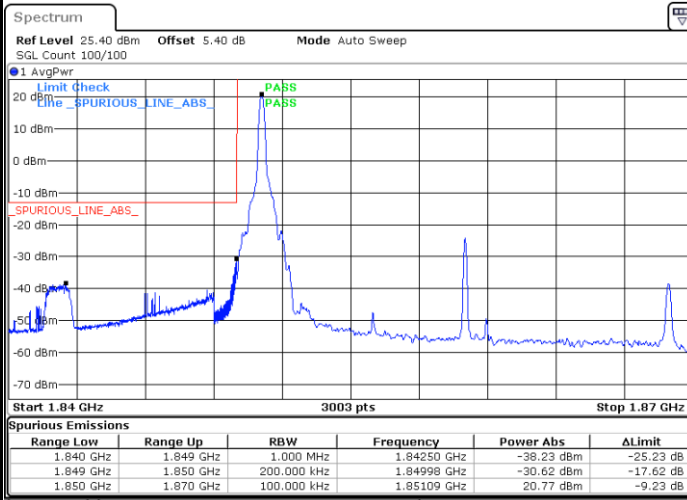


Date: 28.JUL.2023 16:45:32



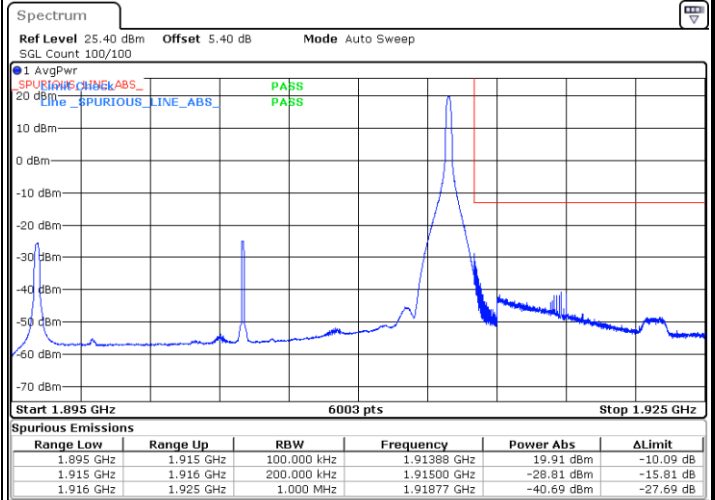
LTE Band 25 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



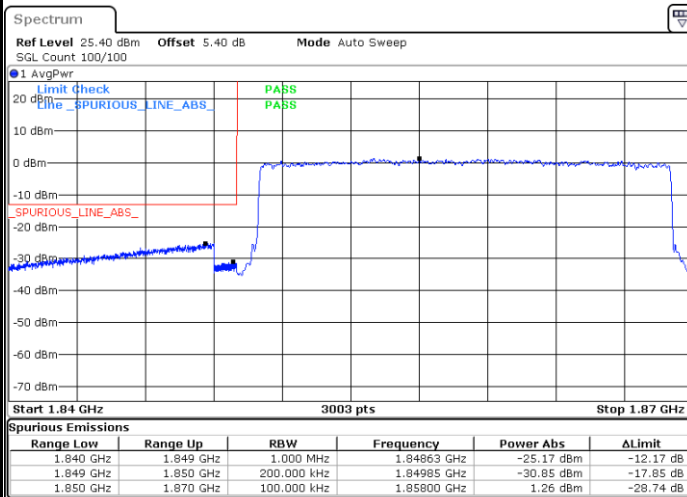
Date: 28.JUL.2023 16:33:05

Highest Band Edge / 1 RB



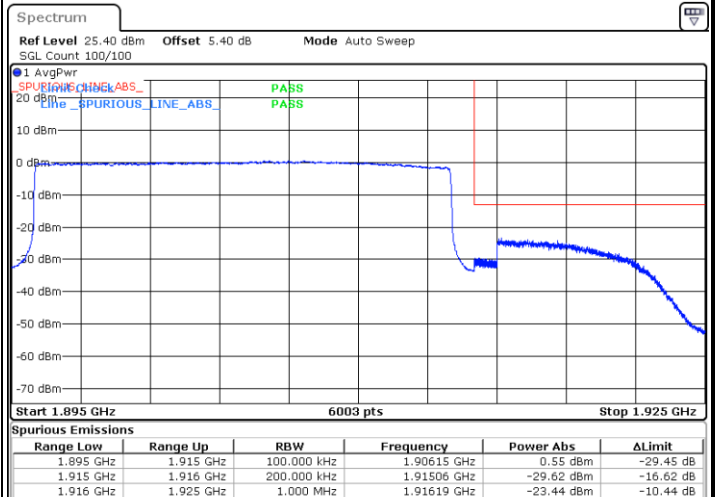
Date: 28.JUL.2023 16:50:02

Lowest Band Edge / Full RB



Date: 28.JUL.2023 16:30:07

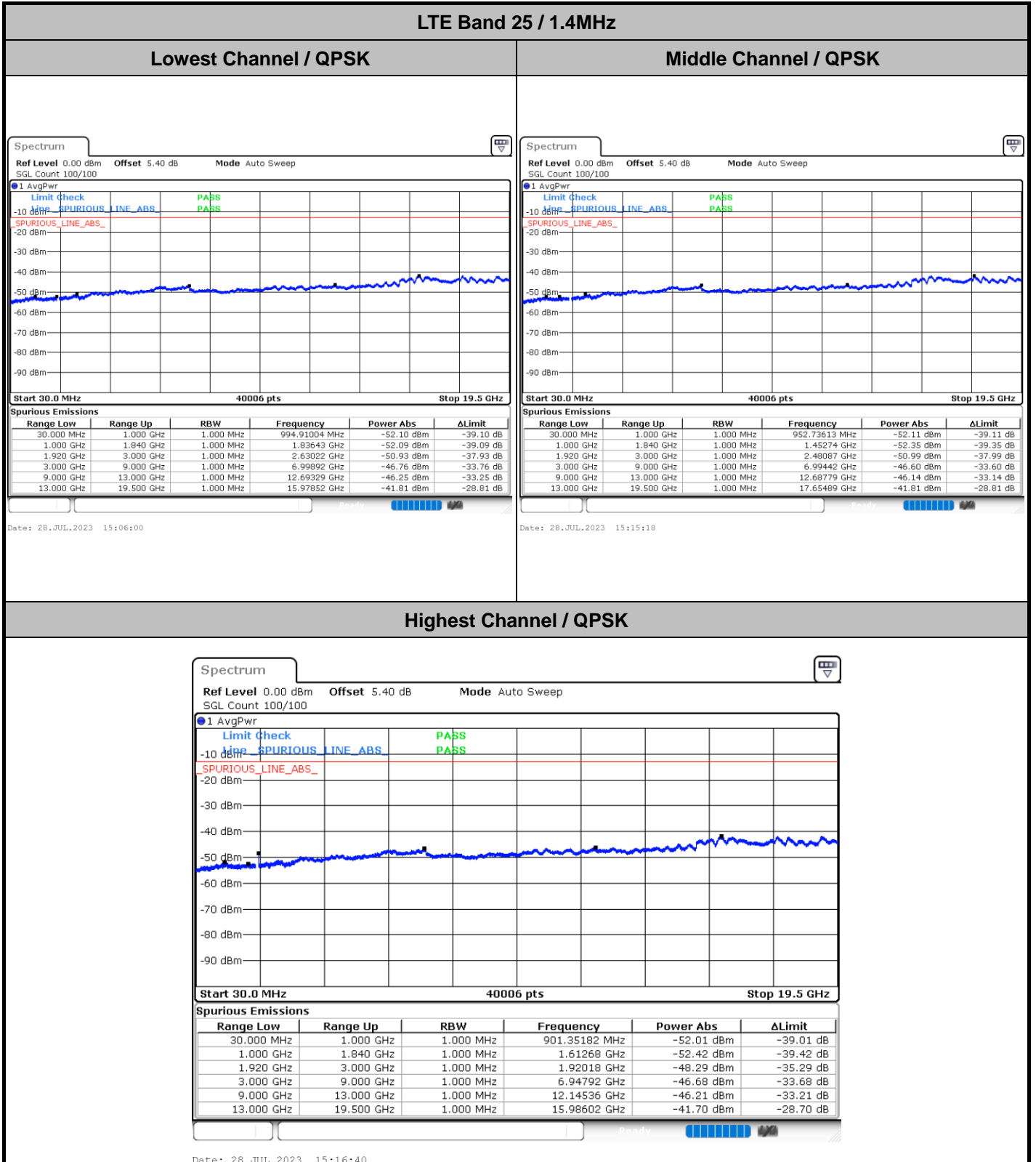
Highest Band Edge / Full RB



Date: 28.JUL.2023 16:47:04



# Conducted Spurious Emission

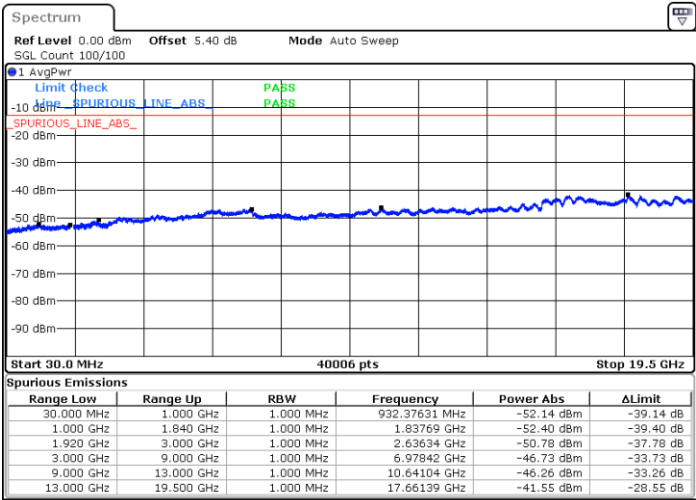




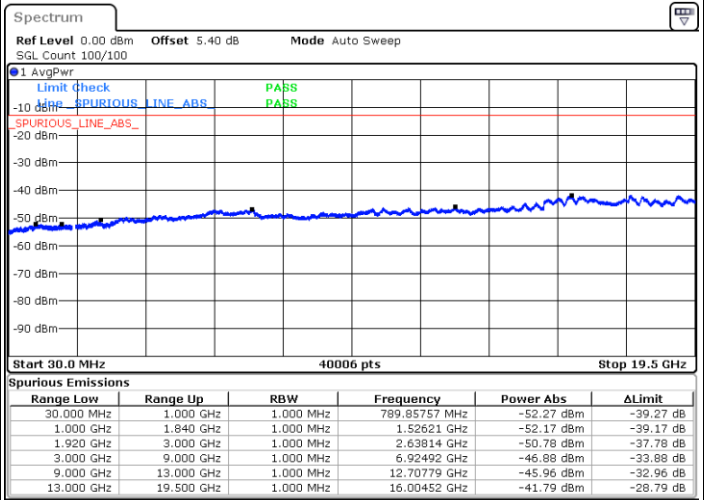
LTE Band 25 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

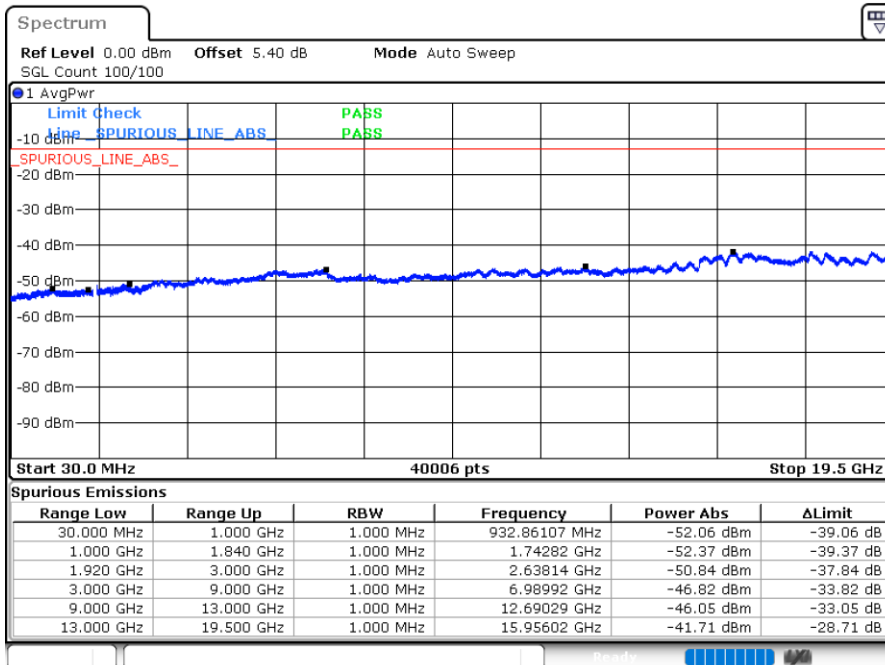


Date: 28.JUL.2023 15:28:06



Date: 28.JUL.2023 15:34:02

Highest Channel / QPSK



Date: 28.JUL.2023 15:35:23

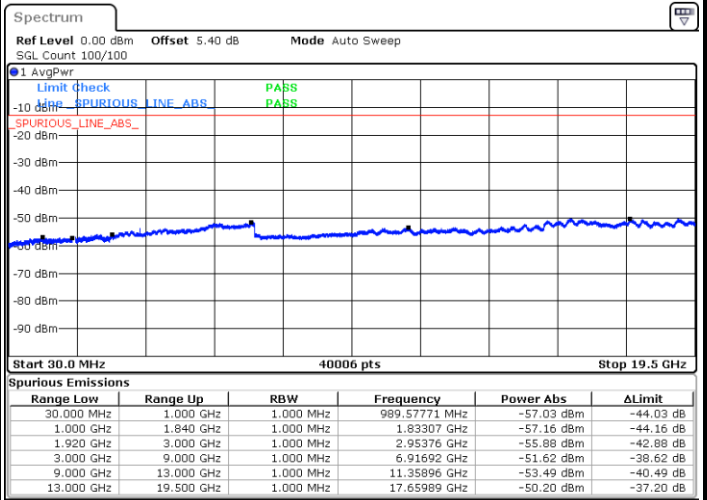
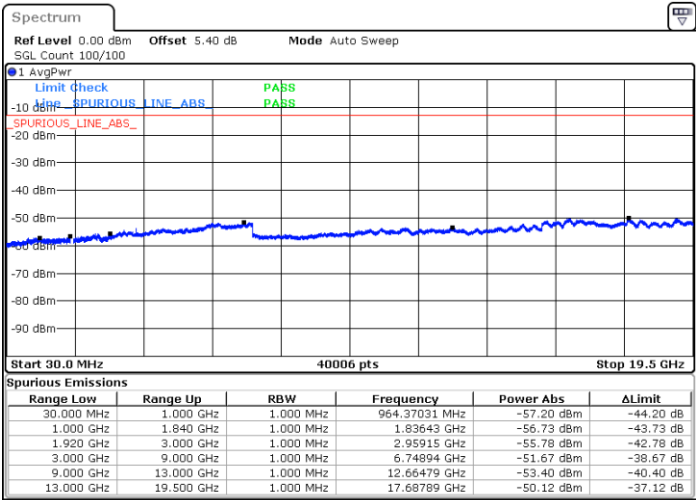




LTE Band 25 / 5MHz

Lowest Channel / QPSK

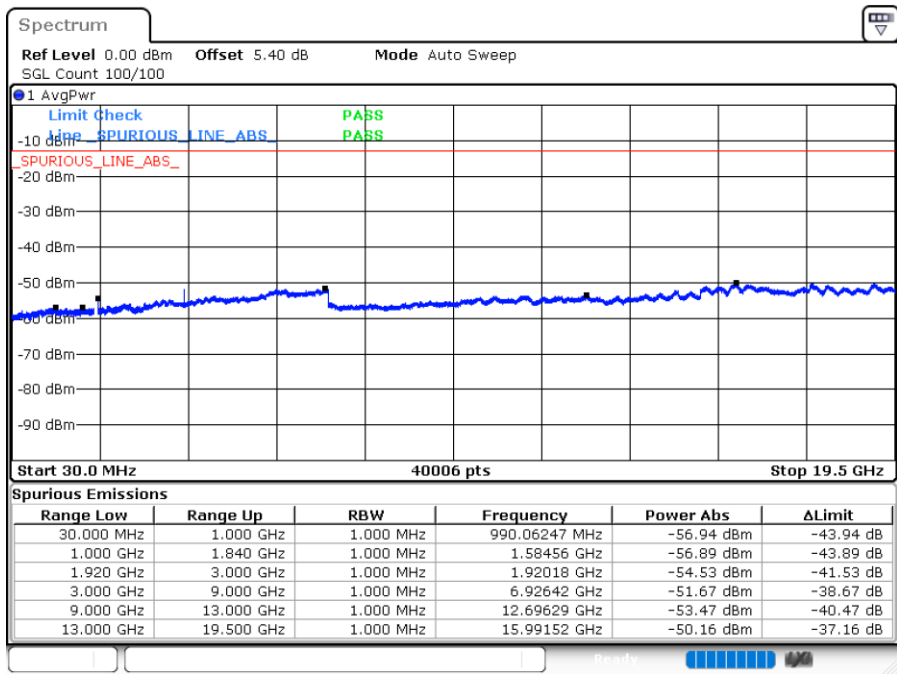
Middle Channel / QPSK



Date: 28.JUL.2023 15:47:15

Date: 28.JUL.2023 15:51:13

Highest Channel / QPSK



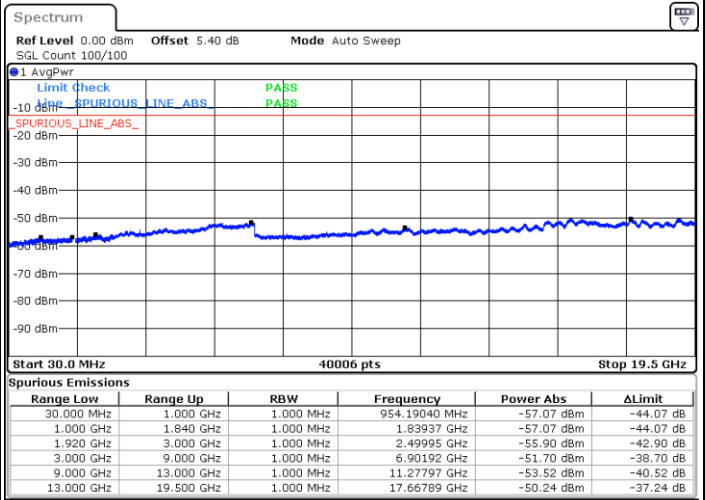
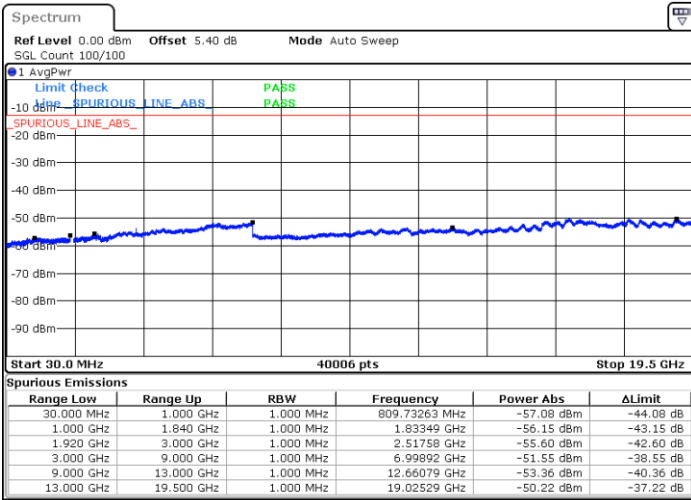
Date: 28.JUL.2023 15:54:01



LTE Band 25 / 10MHz

Lowest Channel / QPSK

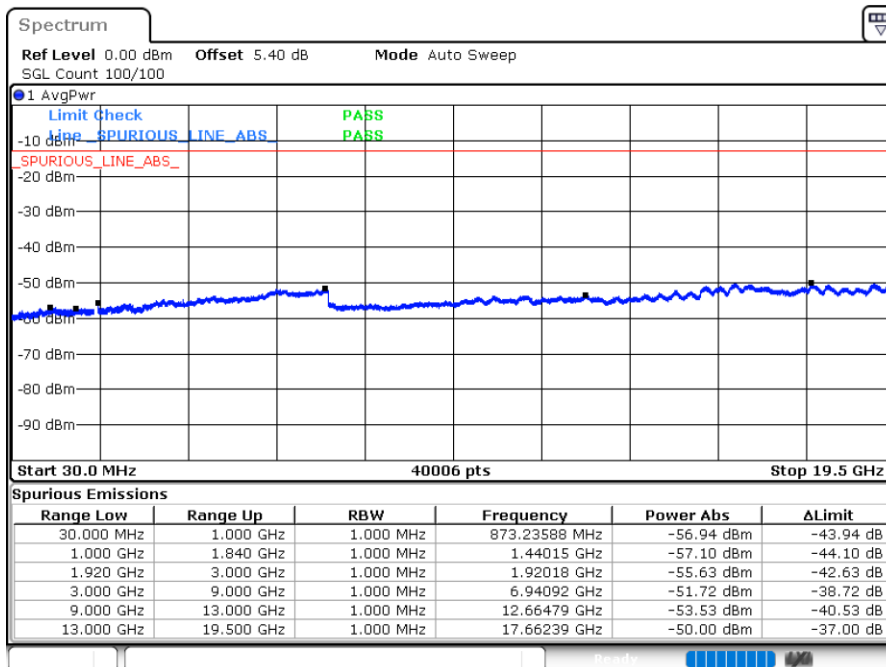
Middle Channel / QPSK



Date: 28.JUL.2023 16:03:07

Date: 28.JUL.2023 16:05:33

Highest Channel / QPSK



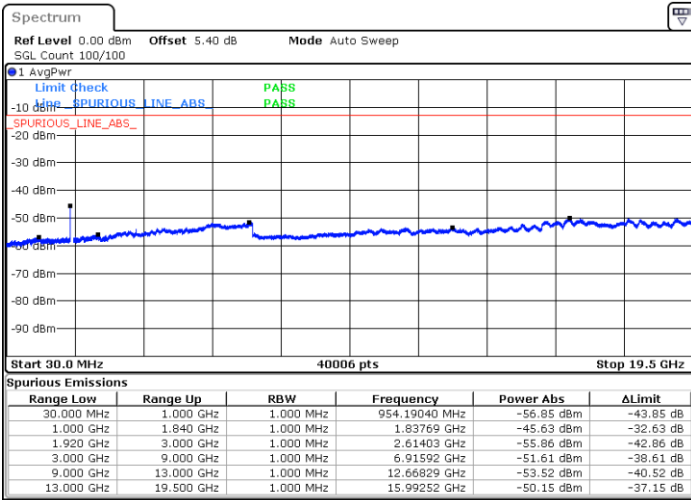
Date: 28.JUL.2023 16:08:25



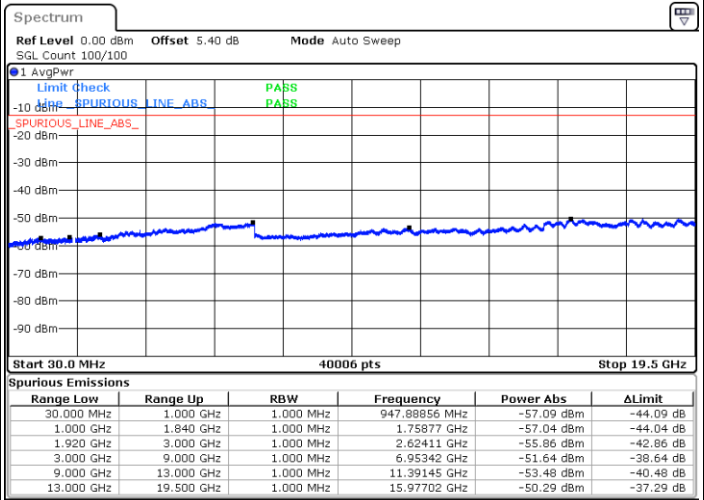
LTE Band 25 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

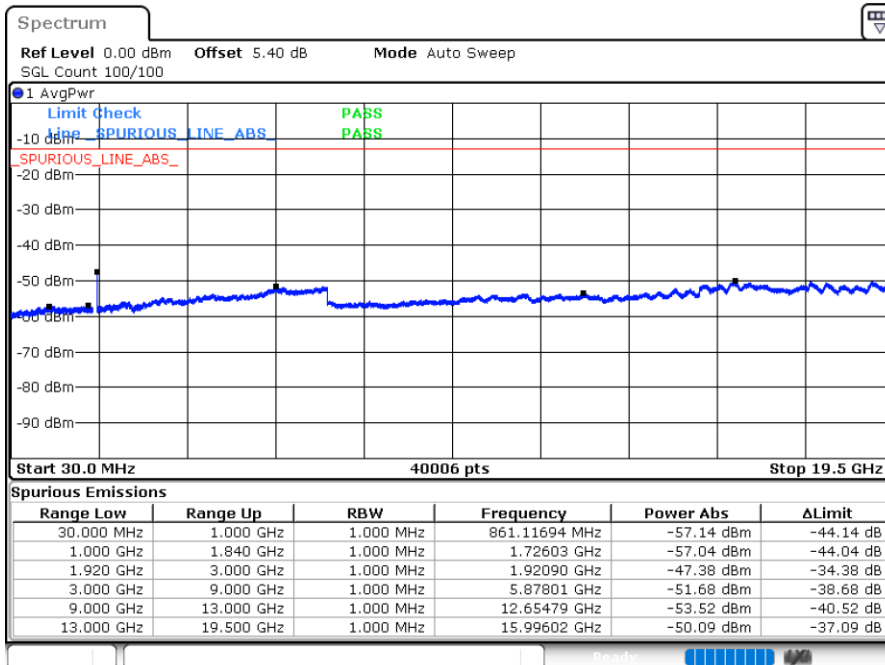


Date: 28.JUL.2023 16:16:31



Date: 28.JUL.2023 16:20:07

Highest Channel / QPSK



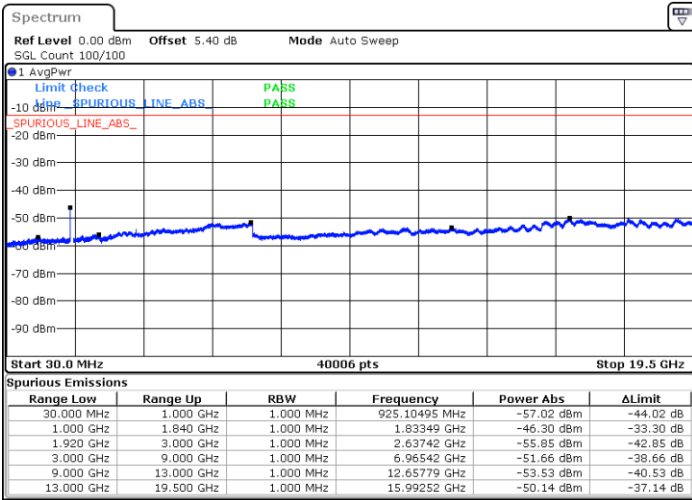
Date: 28.JUL.2023 16:23:09



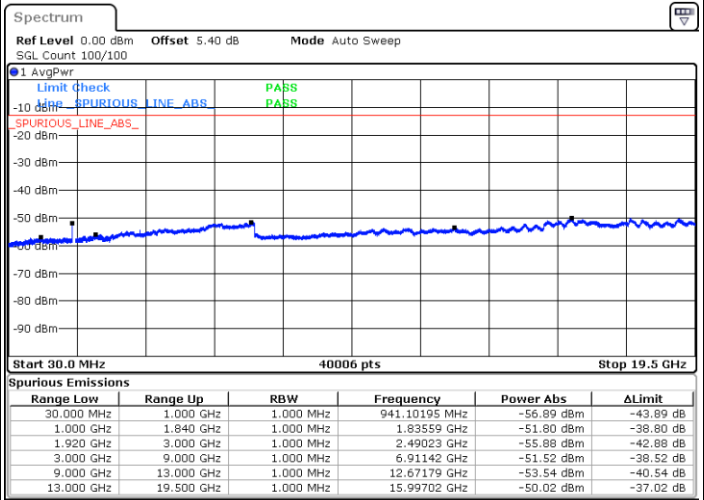
LTE Band 25 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

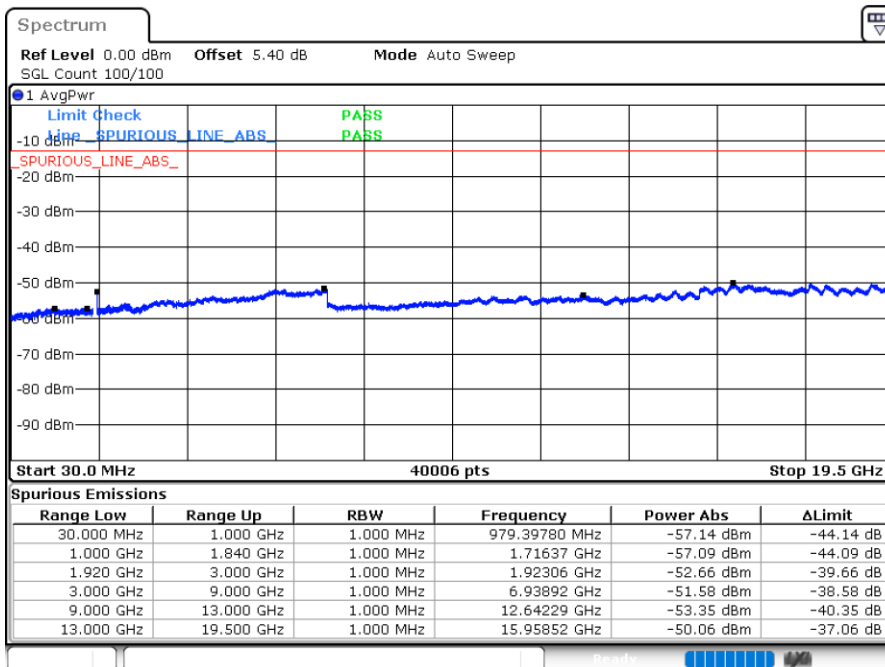


Date: 28.JUL.2023 16:31:30



Date: 28.JUL.2023 16:34:27

Highest Channel / QPSK



Date: 28.JUL.2023 16:37:28



Frequency Stability

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0038	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0042	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0034	

Note:

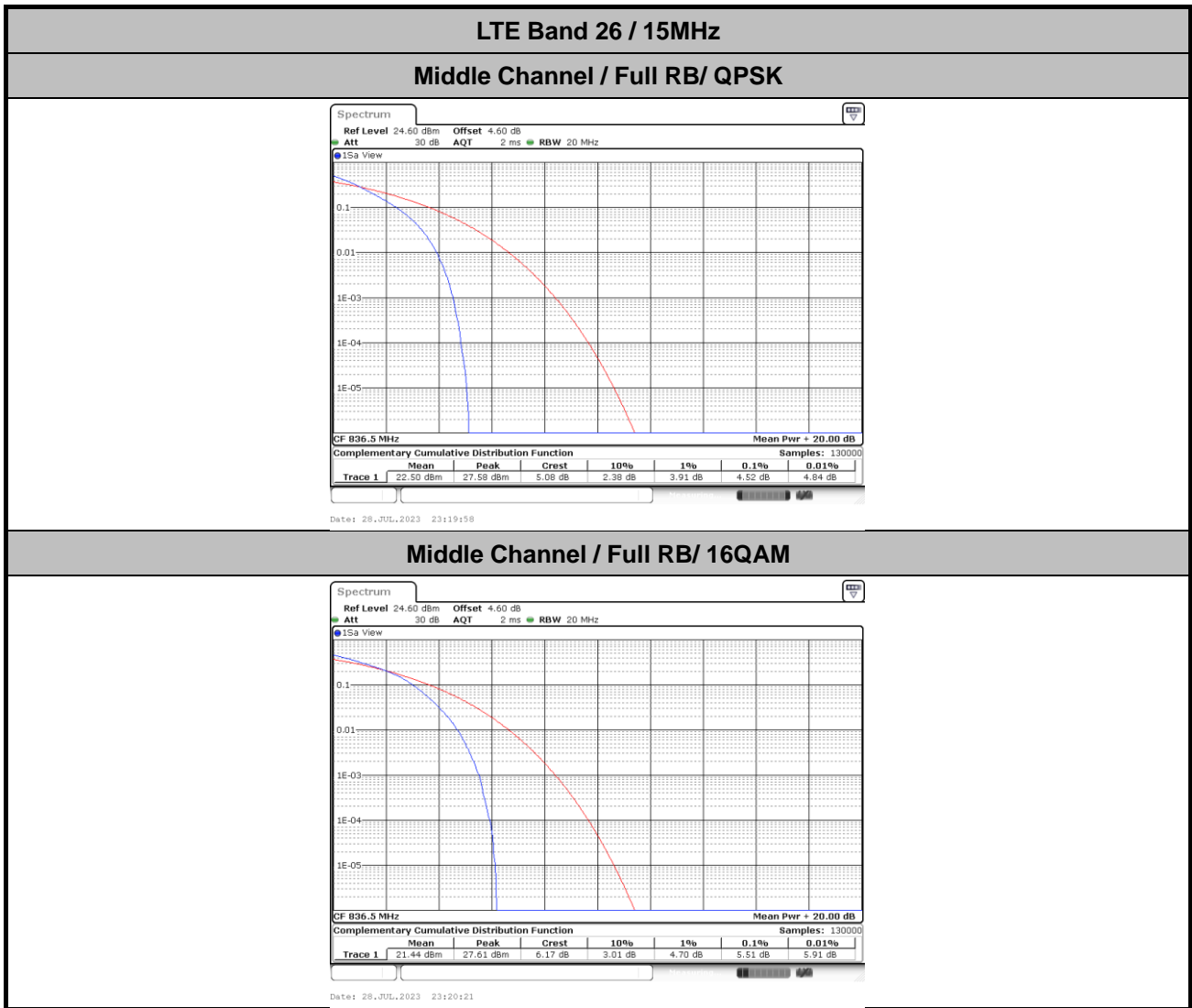
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 26\_Part 22H

## Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.52	5.51	PASS





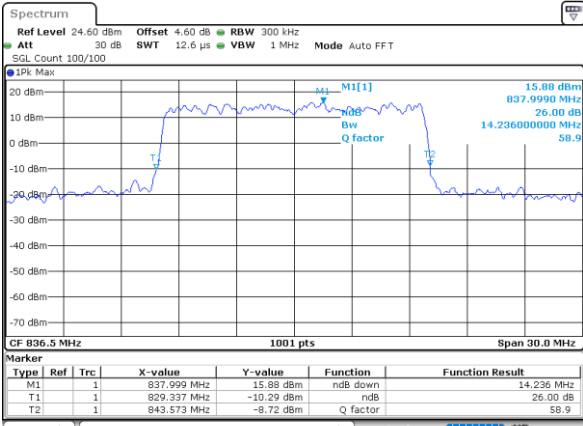
**26dB Bandwidth**

Mode	LTE Band 26 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.24	14.63
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.93	9.83
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.99	4.94
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.03	2.98
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.25	1.22



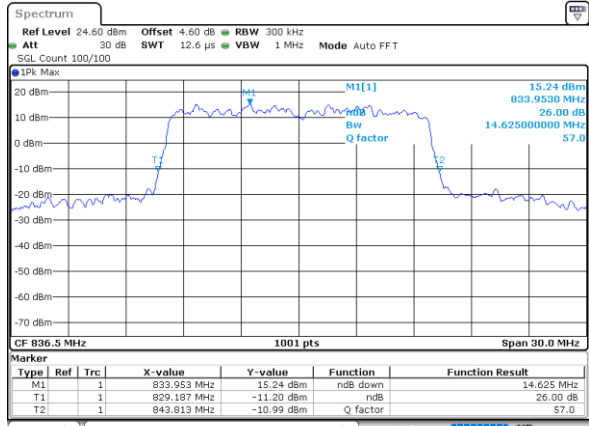
LTE Band 26

Middle Channel / 15MHz / QPSK



Date: 28\_JUL\_2023 23:19:13

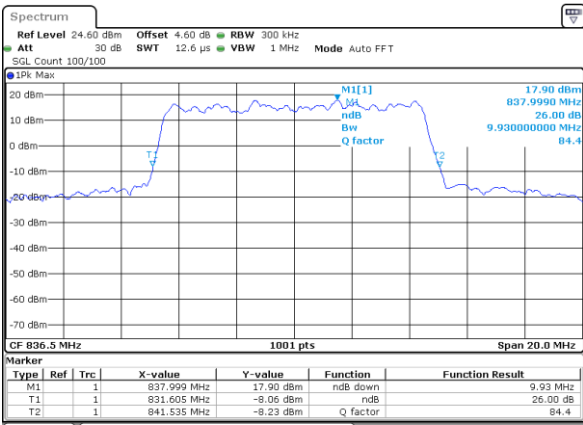
Middle Channel / 15MHz / 16QAM



Date: 28\_JUL\_2023 23:19:35

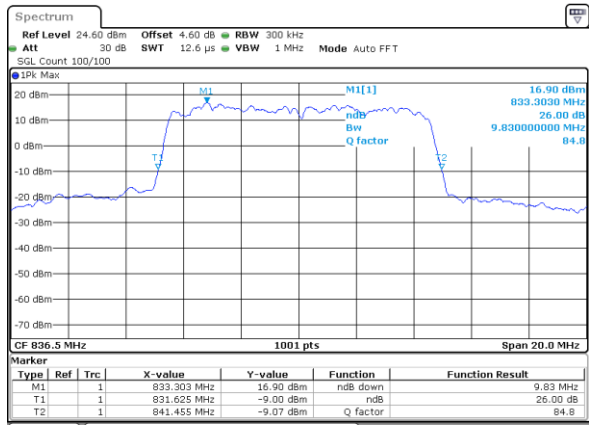
LTE Band 26

Middle Channel / 10MHz / QPSK



Date: 28\_JUL\_2023 23:27:58

Middle Channel / 10MHz / 16QAM



Date: 28\_JUL\_2023 23:28:20