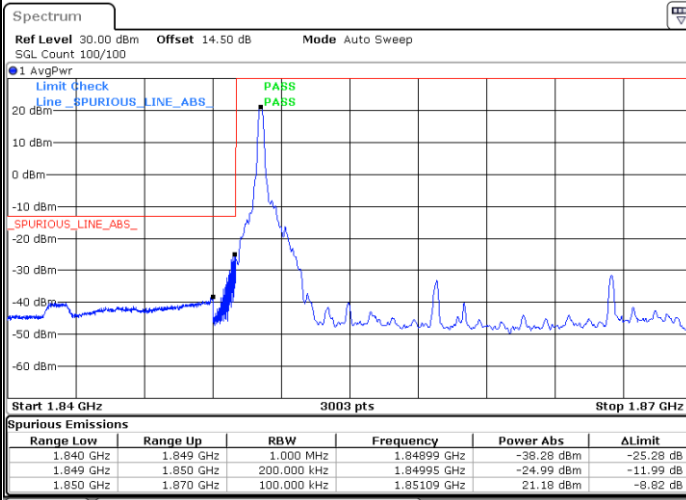




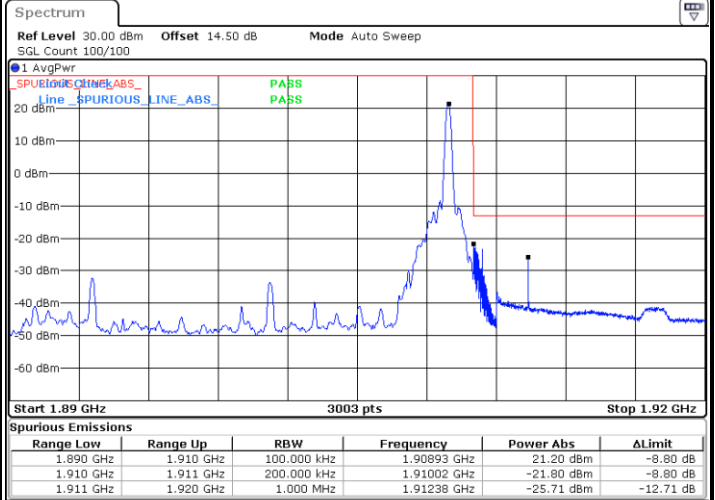
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1RB



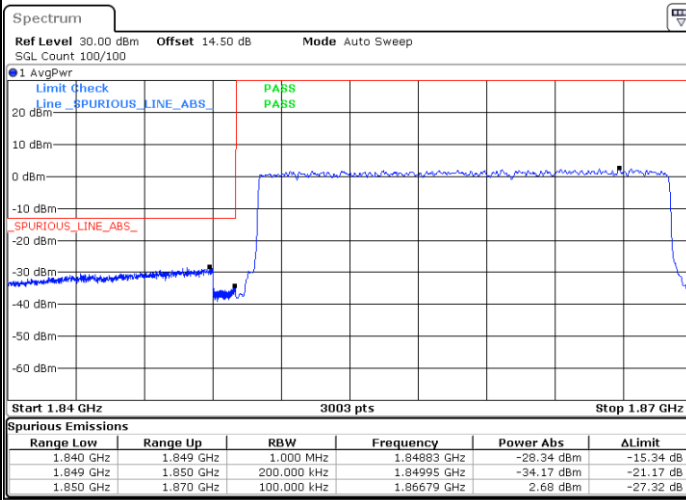
Date: 26.DEC.2023 21:22:31

Highest Band Edge / 1RB



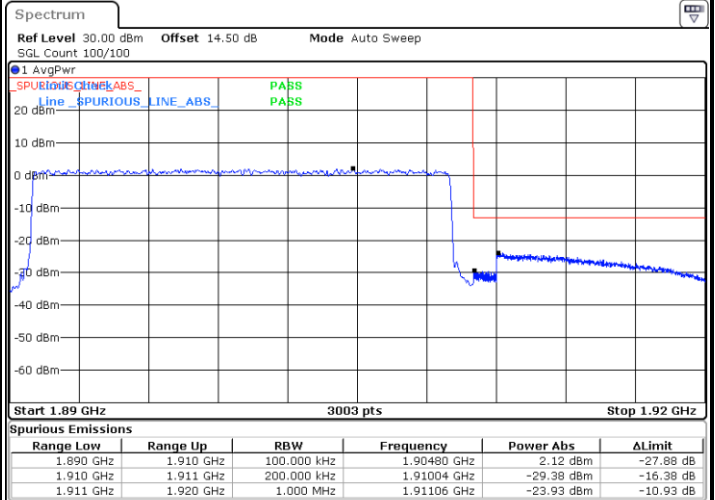
Date: 26.DEC.2023 21:33:45

Lowest Band Edge / Full RB



Date: 26.DEC.2023 21:25:36

Highest Band Edge / Full RB

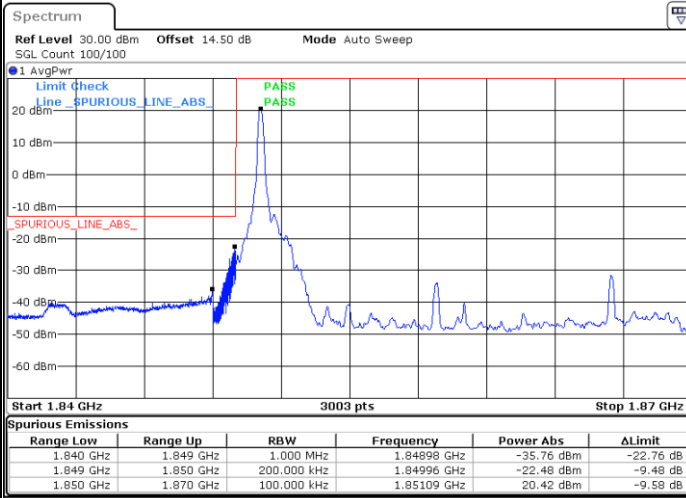


Date: 26.DEC.2023 21:36:50



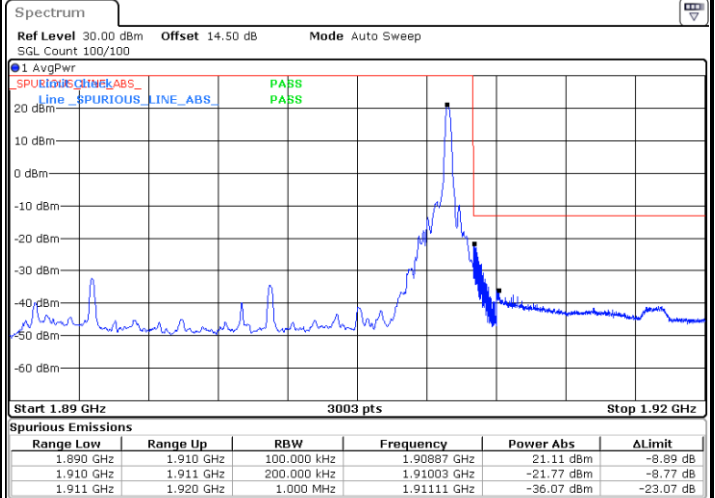
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



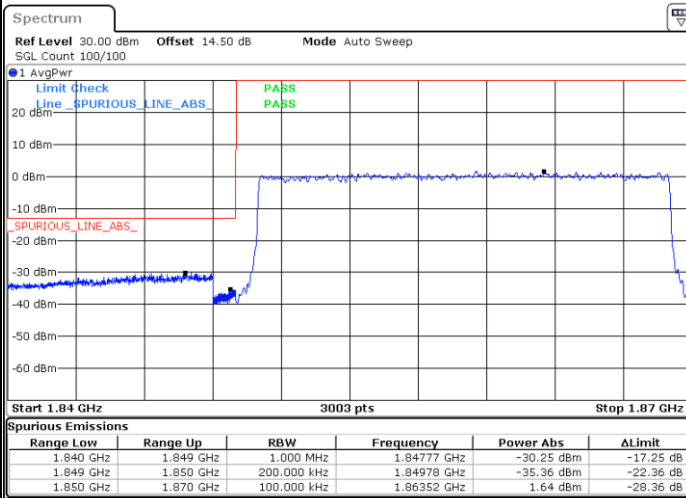
Date: 26.DEC.2023 21:23:33

Highest Band Edge / 1 RB



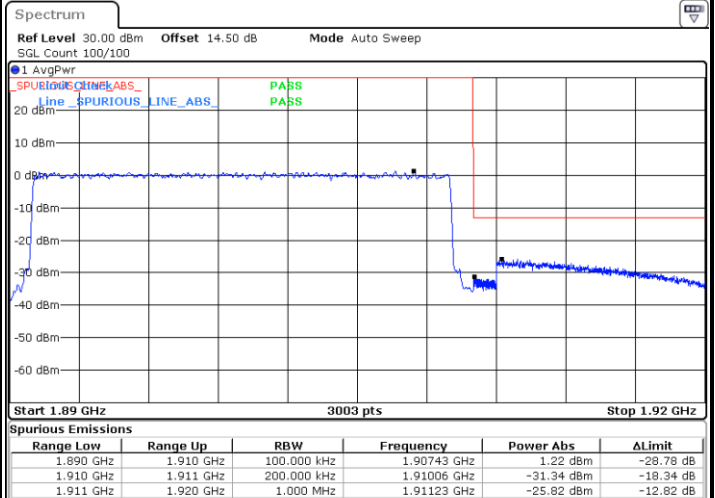
Date: 26.DEC.2023 21:34:47

Lowest Band Edge / Full RB



Date: 26.DEC.2023 21:26:38

Highest Band Edge / Full RB

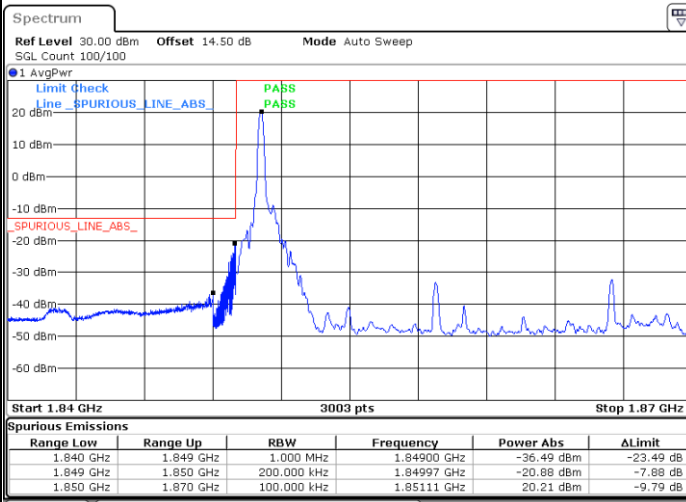


Date: 26.DEC.2023 21:37:52



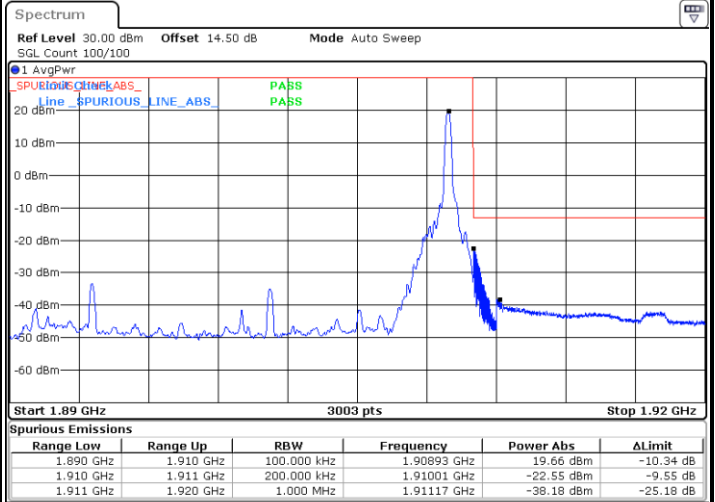
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



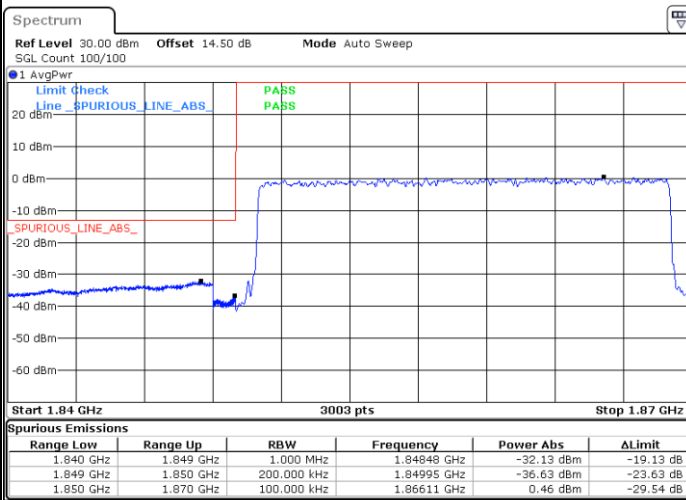
Date: 26.DEC.2023 21:24:34

Highest Band Edge / 1 RB



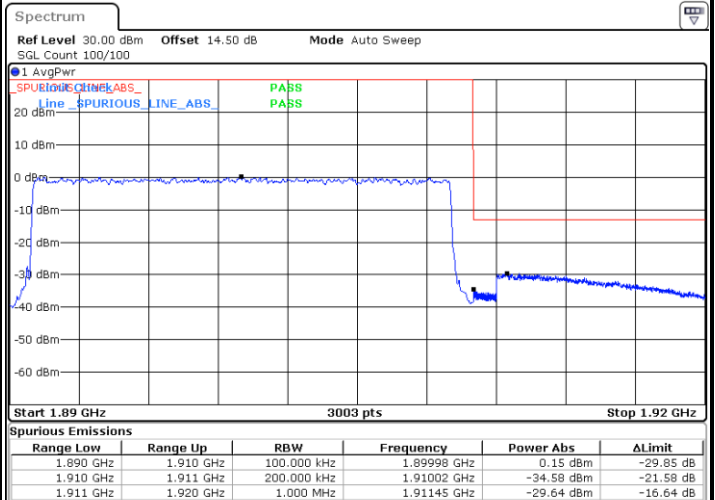
Date: 26.DEC.2023 21:35:49

Lowest Band Edge / Full RB



Date: 26.DEC.2023 21:27:40

Highest Band Edge / Full RB



Date: 26.DEC.2023 21:38:54



# Conducted Spurious Emission

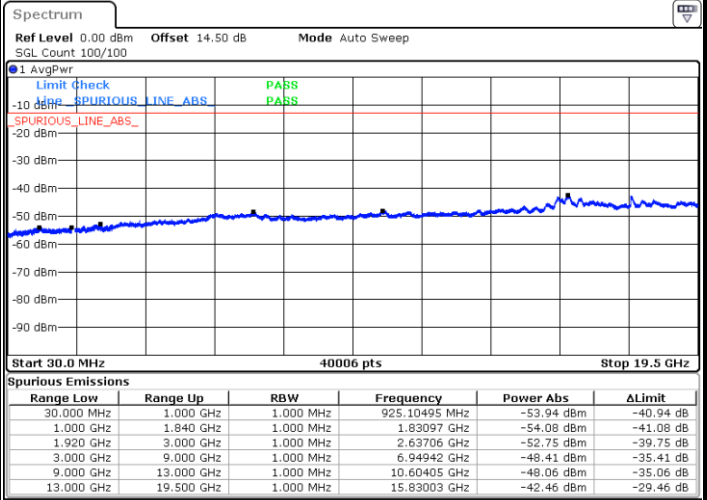
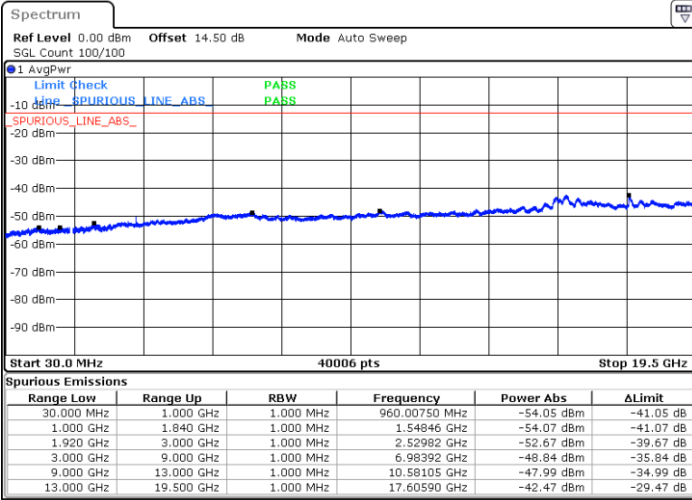




LTE Band 2 / 3MHz

Lowest Channel / QPSK

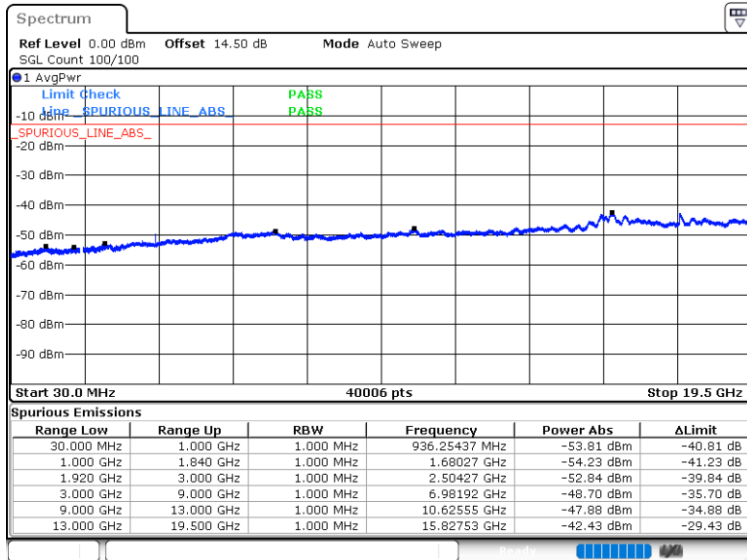
Middle Channel / QPSK



Date: 26.DEC.2023 20:12:17

Date: 26.DEC.2023 20:16:33

Highest Channel / QPSK



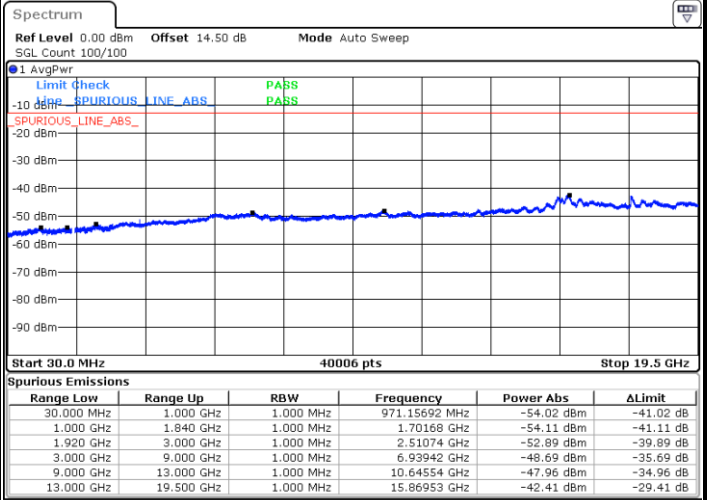
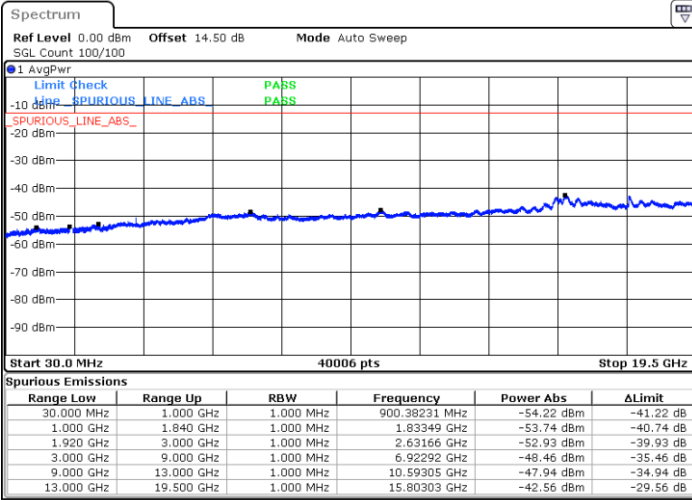
Date: 26.DEC.2023 20:25:16



LTE Band 2 / 5MHz

Lowest Channel / QPSK

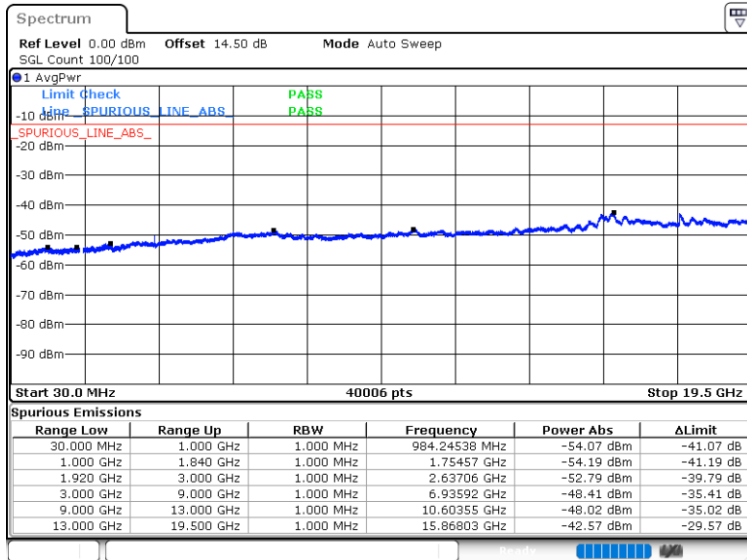
Middle Channel / QPSK



Date: 26.DEC.2023 20:30:18

Date: 26.DEC.2023 20:34:34

Highest Channel / QPSK



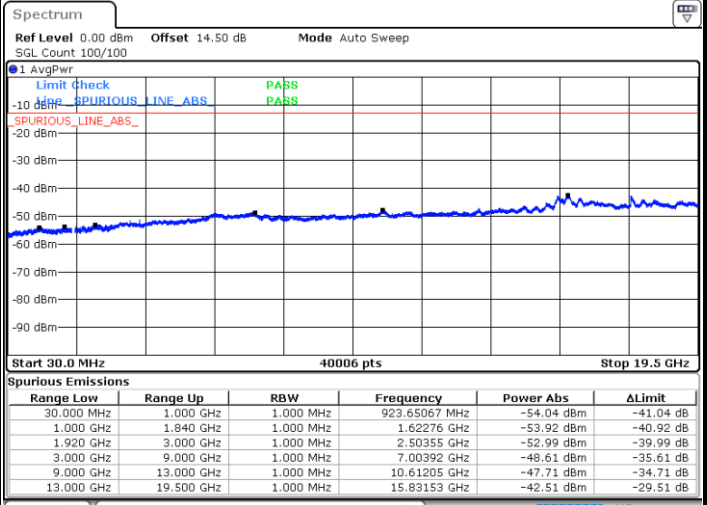
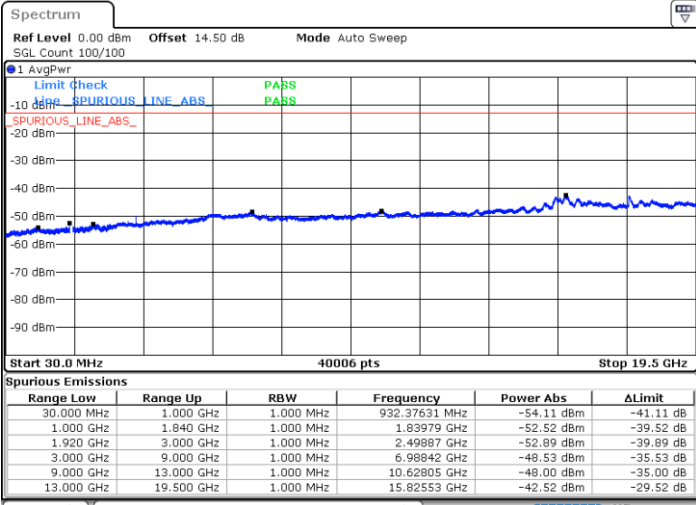
Date: 26.DEC.2023 20:43:16



LTE Band 2 / 10MHz

Lowest Channel / QPSK

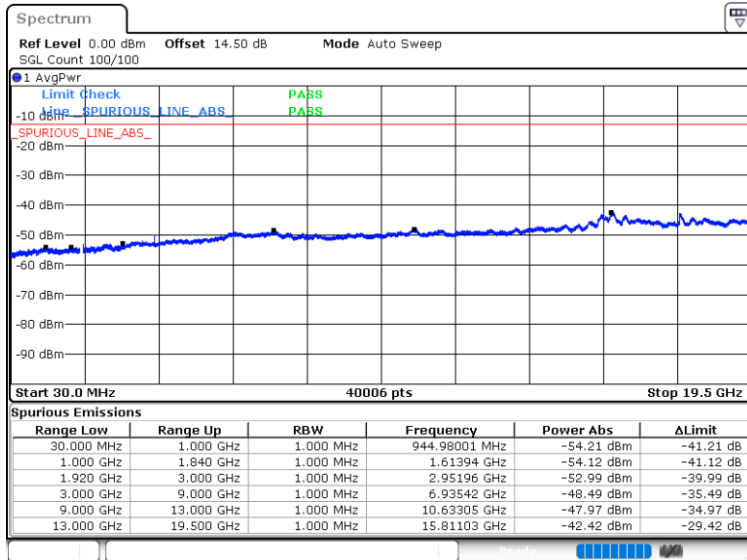
Middle Channel / QPSK



Date: 26.DEC.2023 20:52:51

Date: 26.DEC.2023 20:54:02

Highest Channel / QPSK



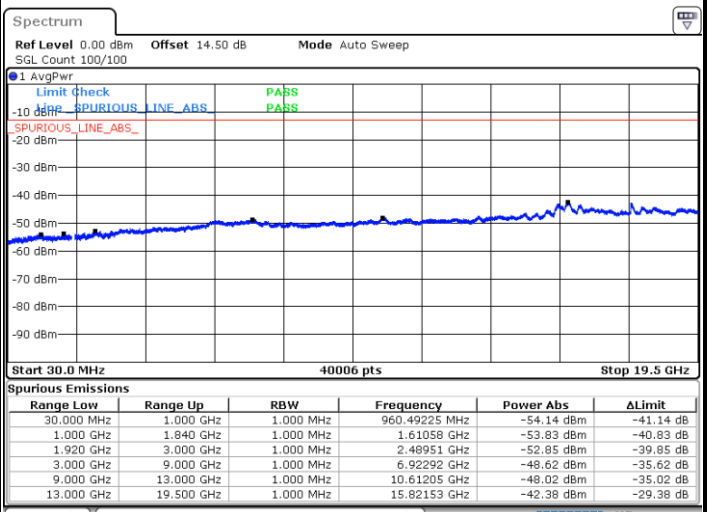
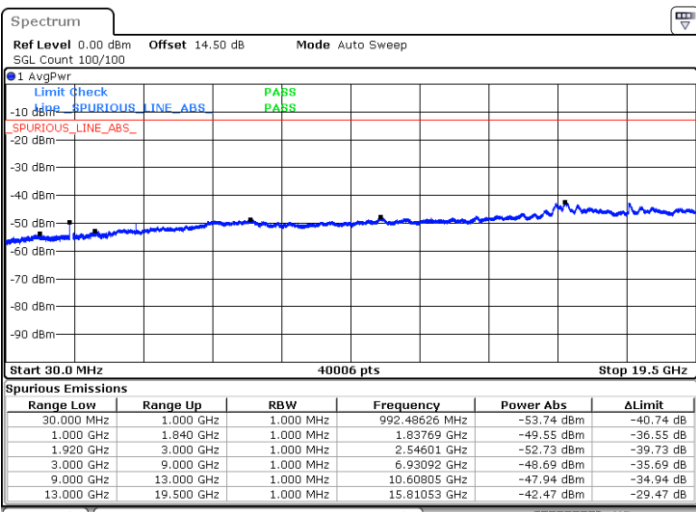
Date: 26.DEC.2023 21:02:43



LTE Band 2 / 15MHz

Lowest Channel / QPSK

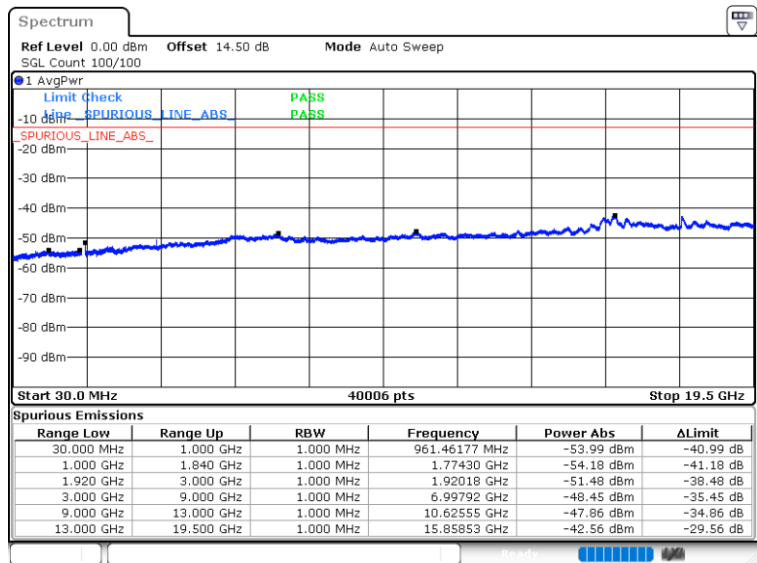
Middle Channel / QPSK



Date: 26.DEC.2023 21:10:51

Date: 26.DEC.2023 21:12:02

Highest Channel / QPSK



Date: 26.DEC.2023 21:20:43

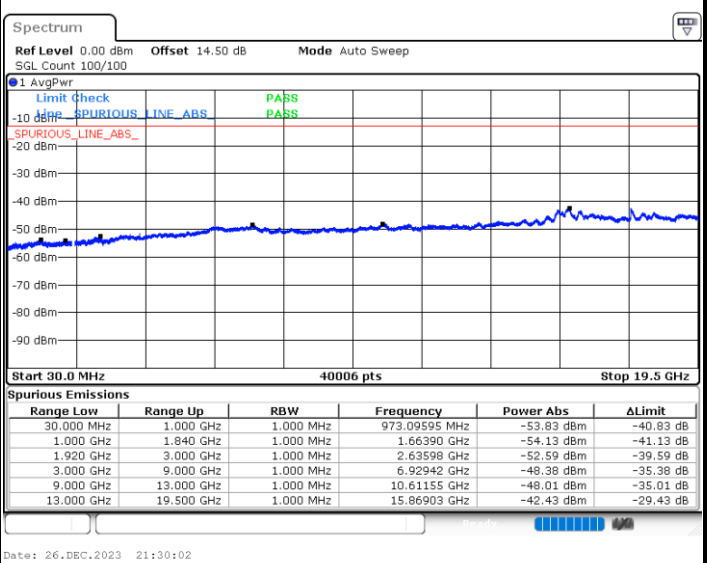
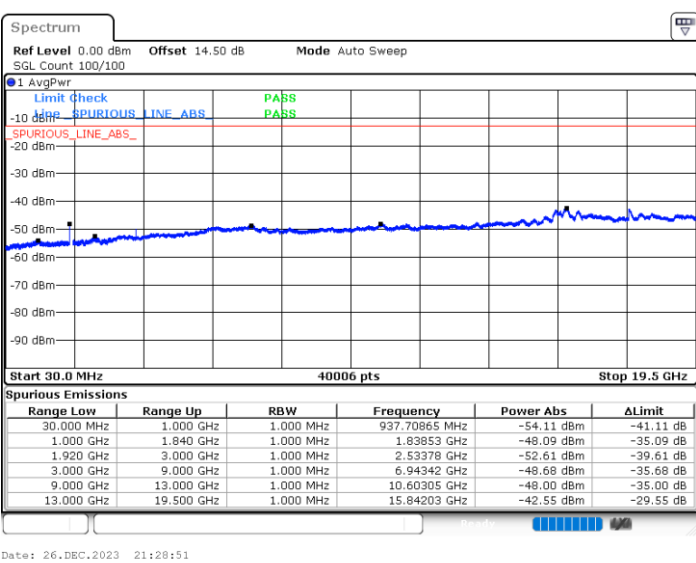




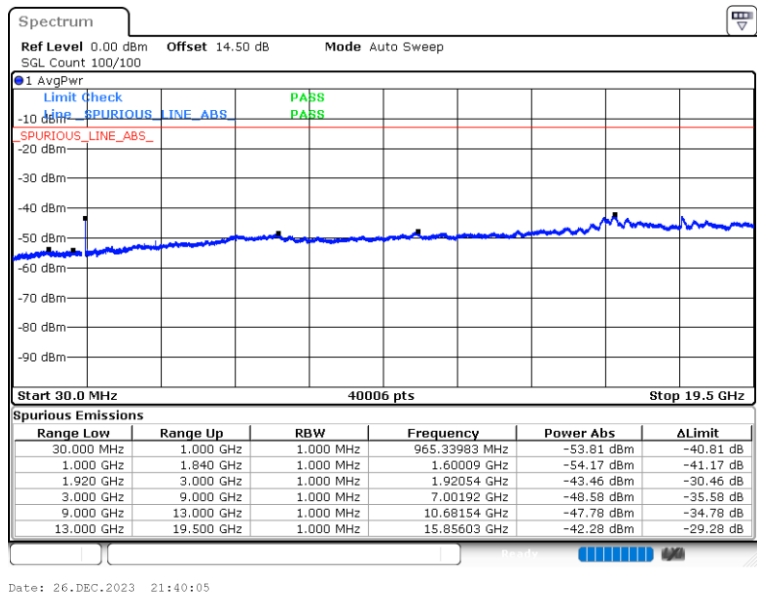
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





### Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0017	

**Note:**

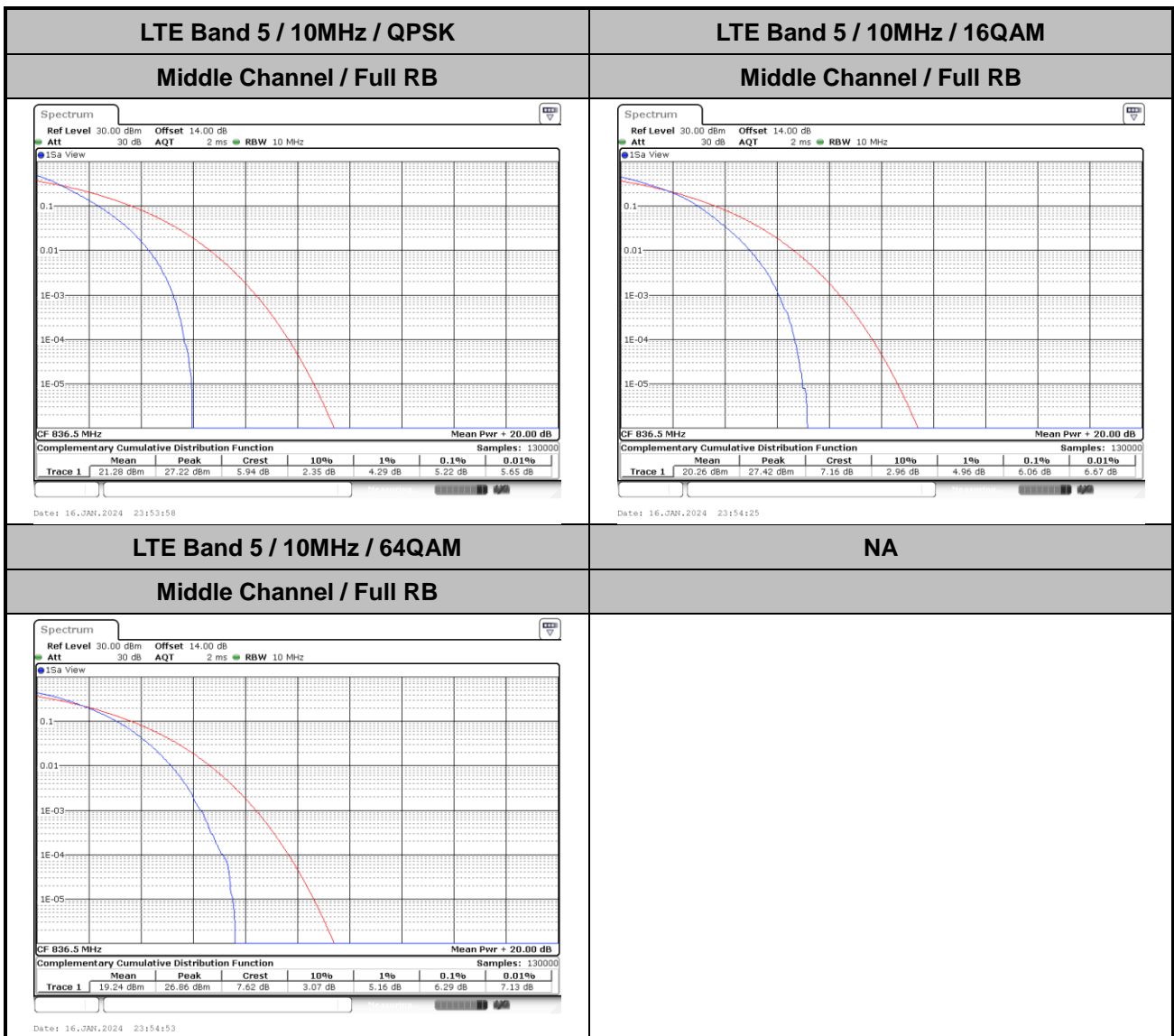
1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 5

## Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.22	6.06	6.29	PASS

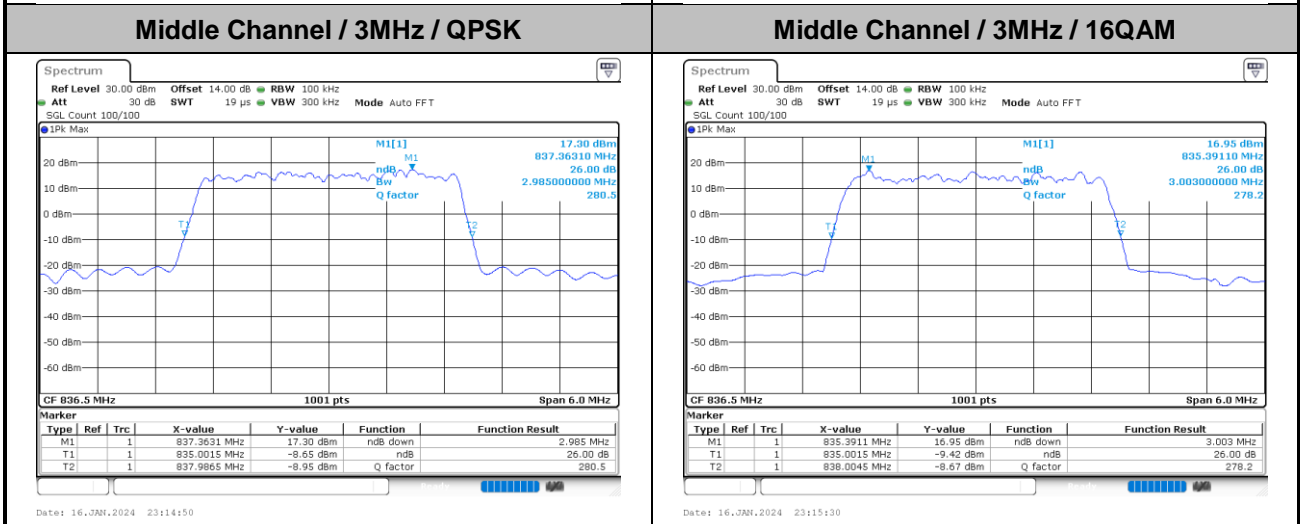
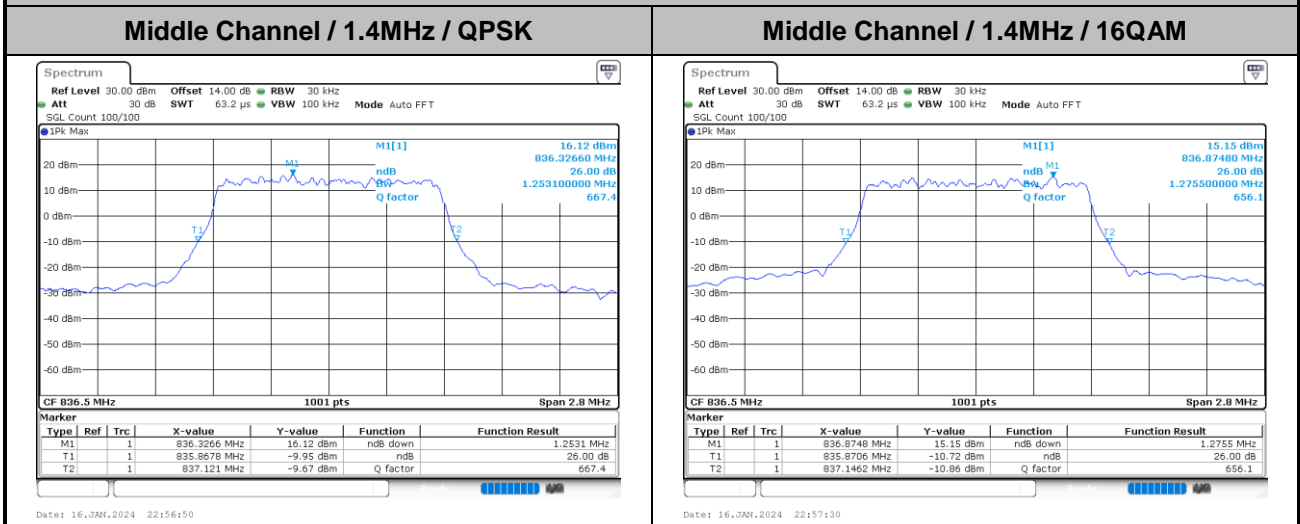




# 26dB Bandwidth

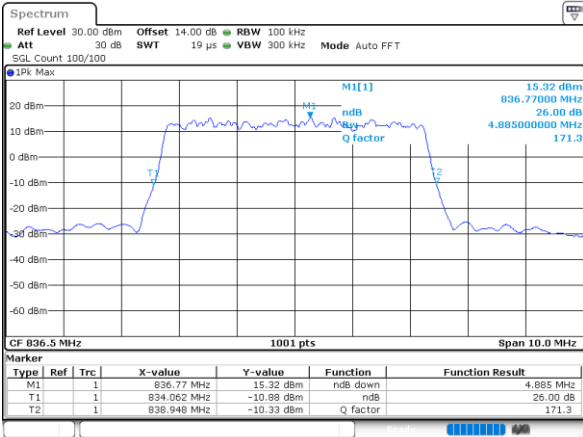
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		-		-	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	-	-	-	-
Middle CH	1.25	1.28	2.99	3.00	4.89	4.85	9.75	9.83	-	-	-	-

## LTE Band 5



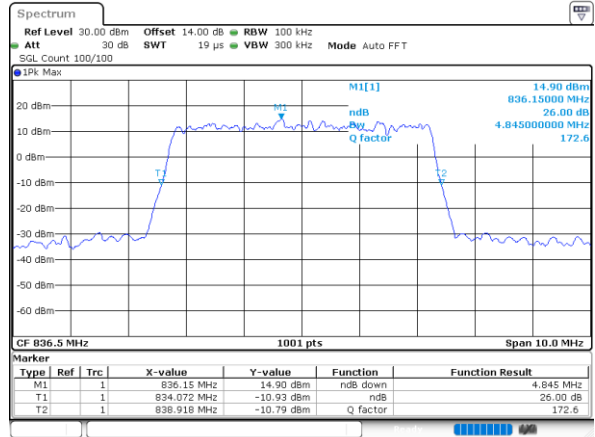


Middle Channel / 5MHz / QPSK



Date: 16, JAN, 2024 23:32:50

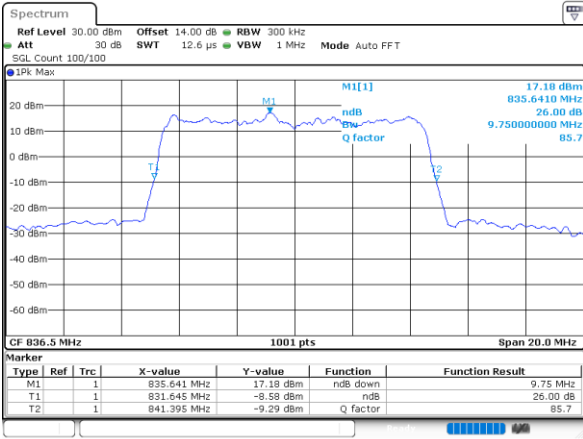
Middle Channel / 5MHz / 16QAM



Date: 16, JAN, 2024 23:33:30

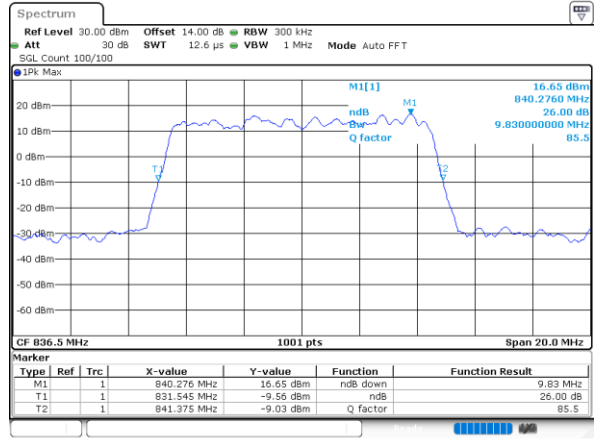
LTE Band 5

Middle Channel / 10MHz / QPSK



Date: 16, JAN, 2024 23:52:50

Middle Channel / 10MHz / 16QAM

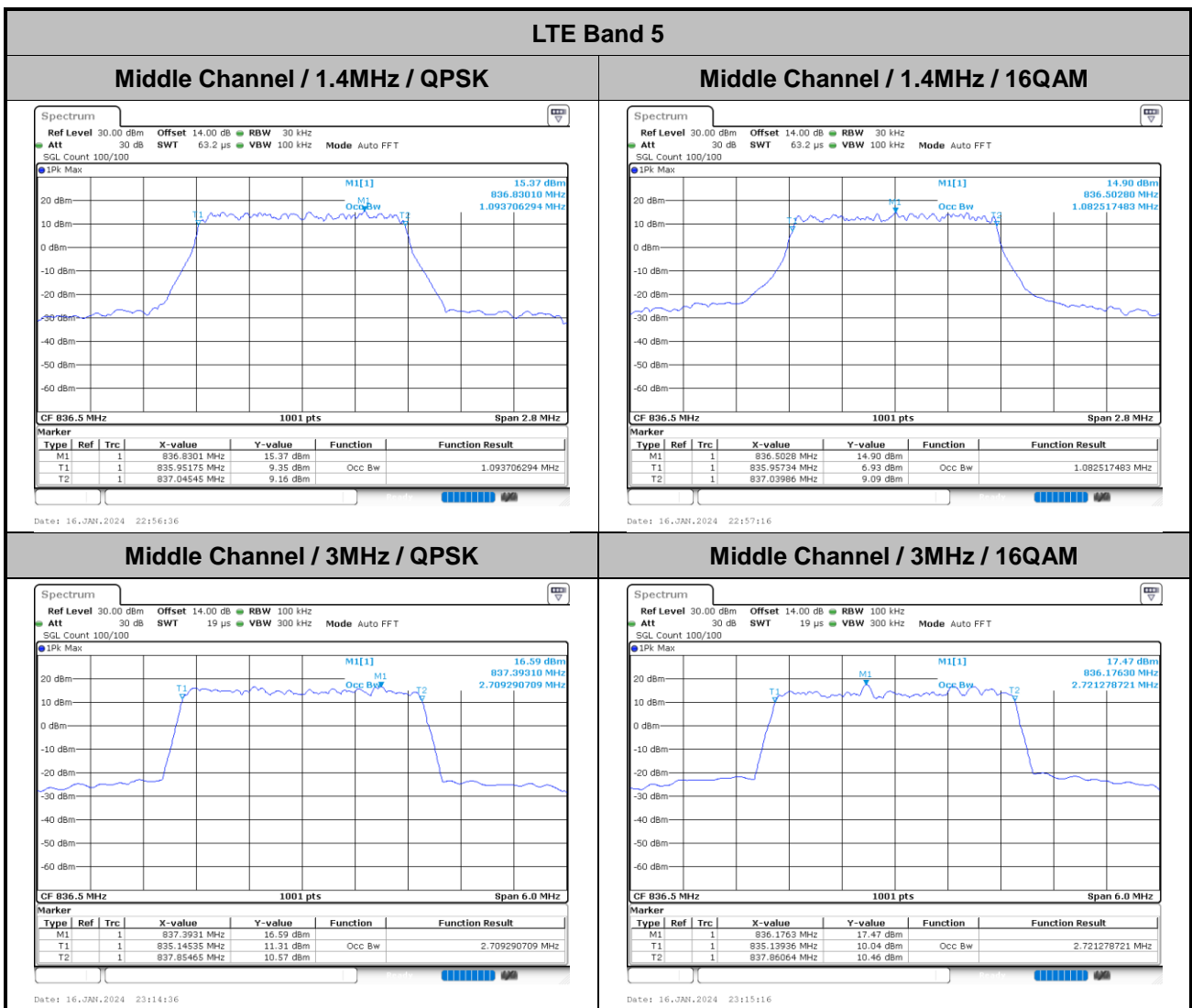


Date: 16, JAN, 2024 23:53:31



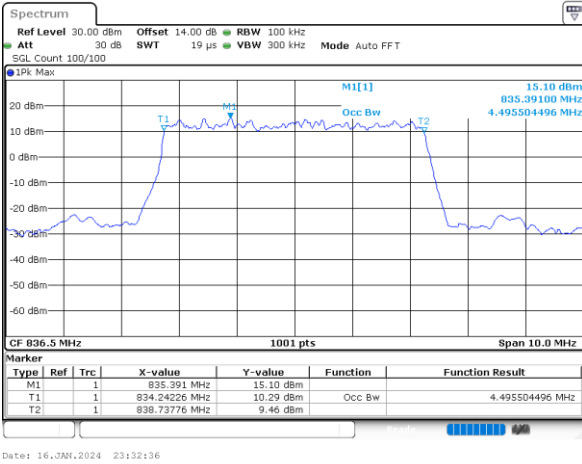
# Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		-		-	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	-	-	-	-
Middle CH	1.09	1.08	2.71	2.72	4.50	4.51	8.97	8.97	-	-	-	-



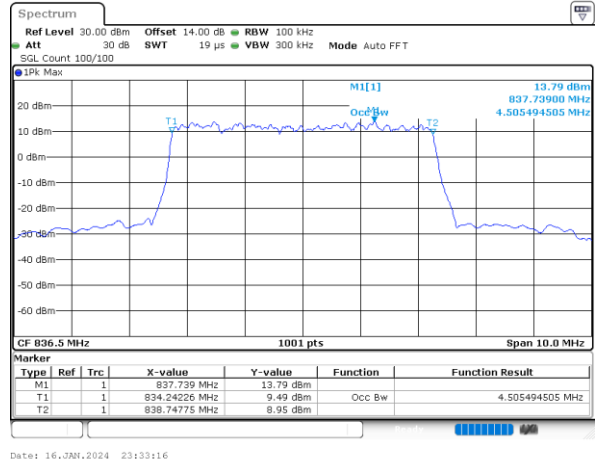


Middle Channel / 5MHz / QPSK



Date: 16, JAN, 2024 23:32:36

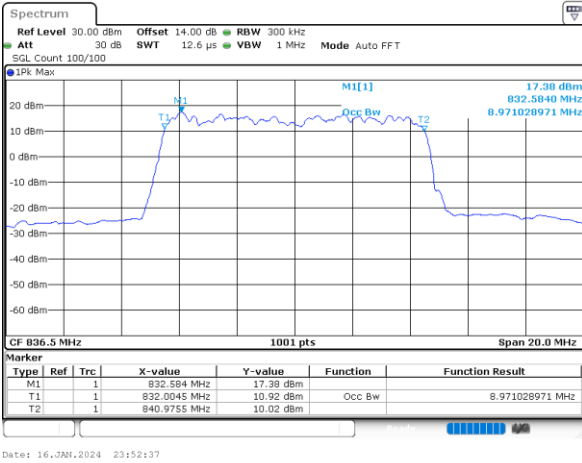
Middle Channel / 5MHz / 16QAM



Date: 16, JAN, 2024 23:33:16

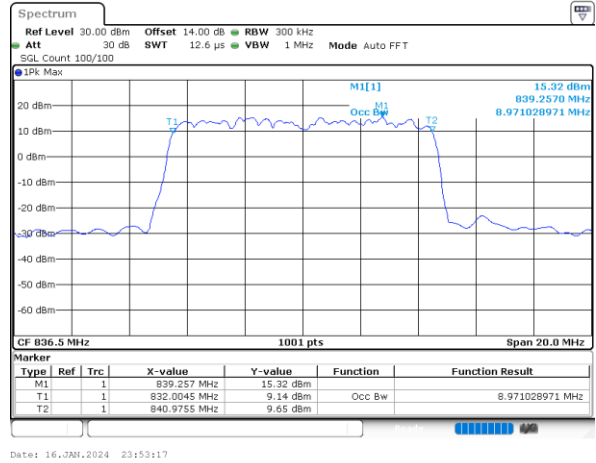
LTE Band 5

Middle Channel / 10MHz / QPSK



Date: 16, JAN, 2024 23:52:37

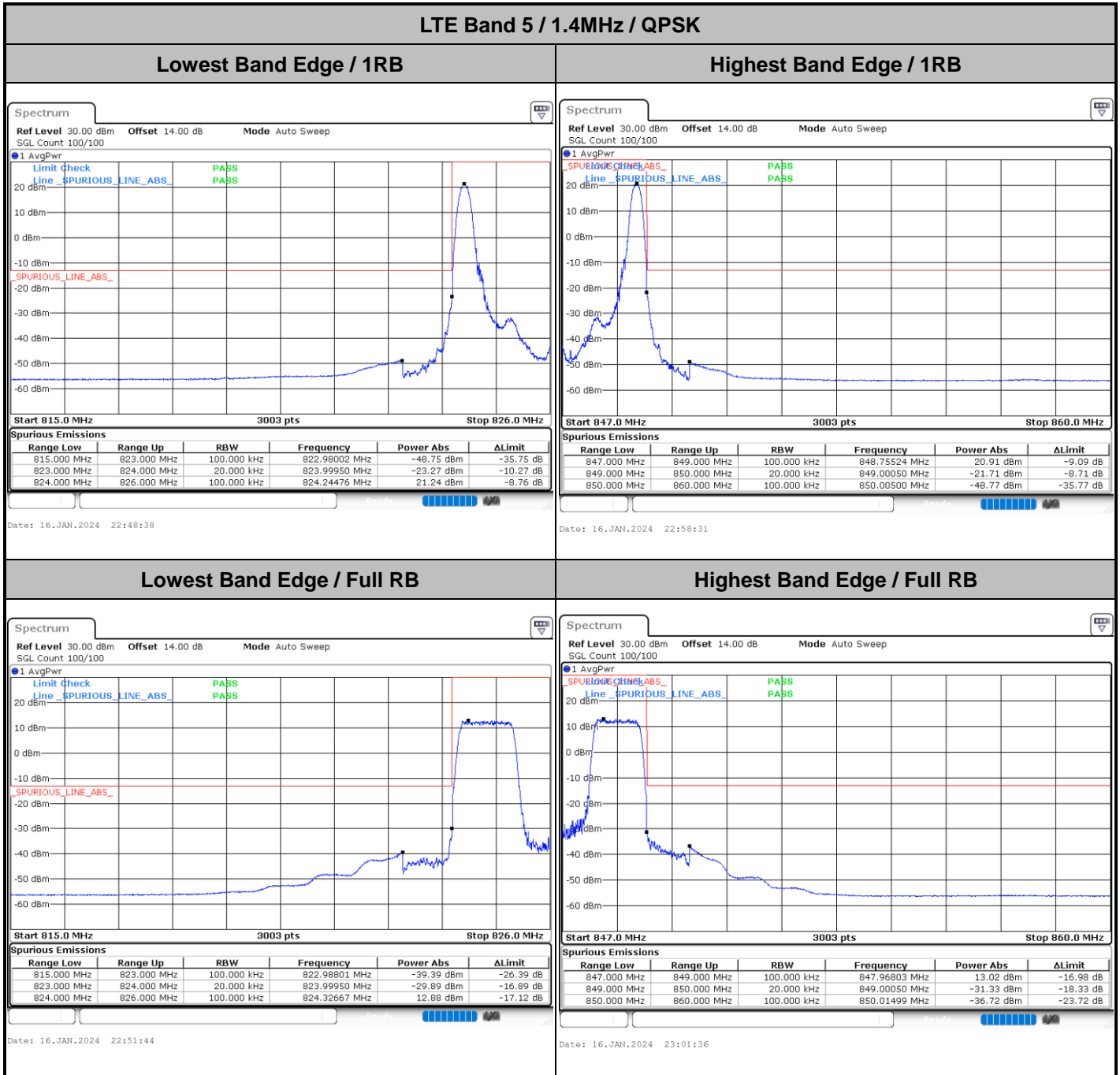
Middle Channel / 10MHz / 16QAM



Date: 16, JAN, 2024 23:53:17



# Conducted Band Edge

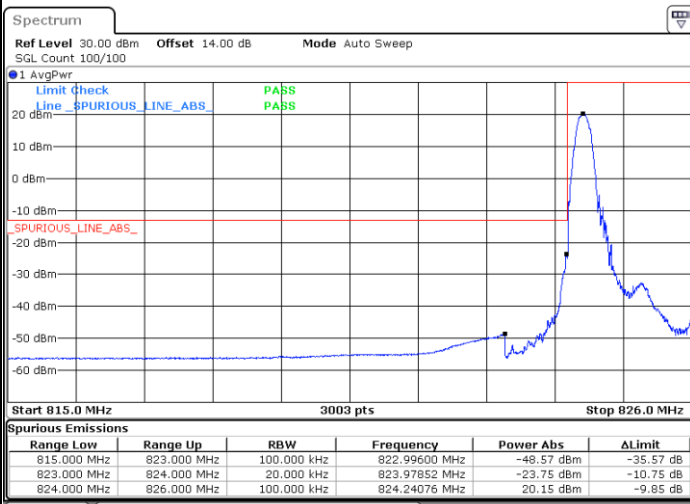






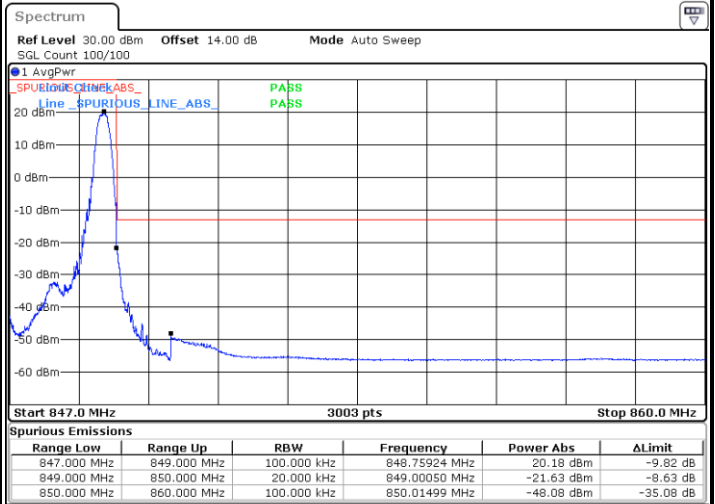
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



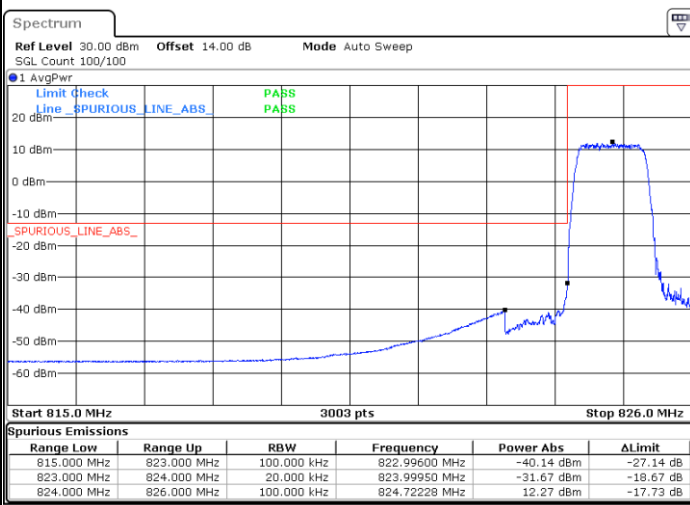
Date: 16.JAN.2024 22:49:41

Highest Band Edge / 1 RB



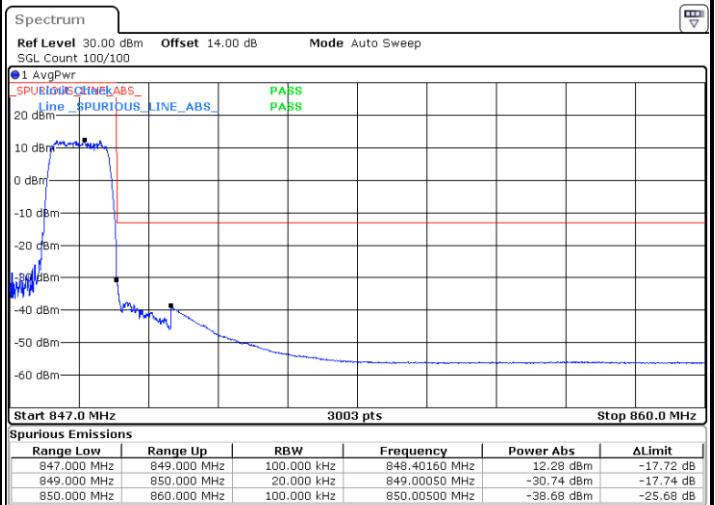
Date: 16.JAN.2024 22:59:32

Lowest Band Edge / Full RB



Date: 16.JAN.2024 22:52:46

Highest Band Edge / Full RB

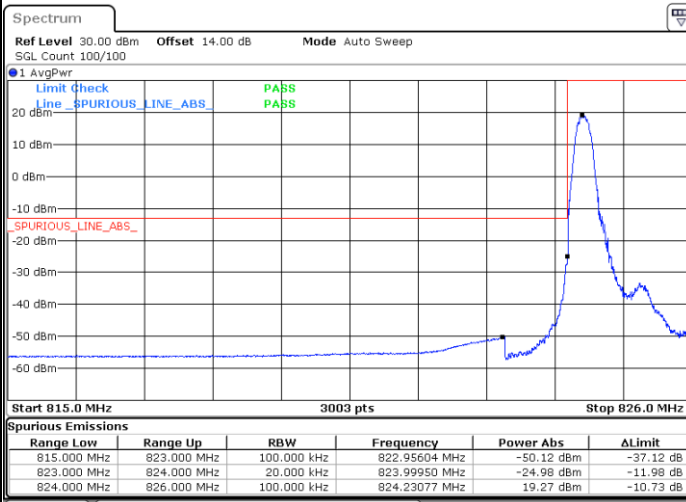


Date: 16.JAN.2024 23:02:38



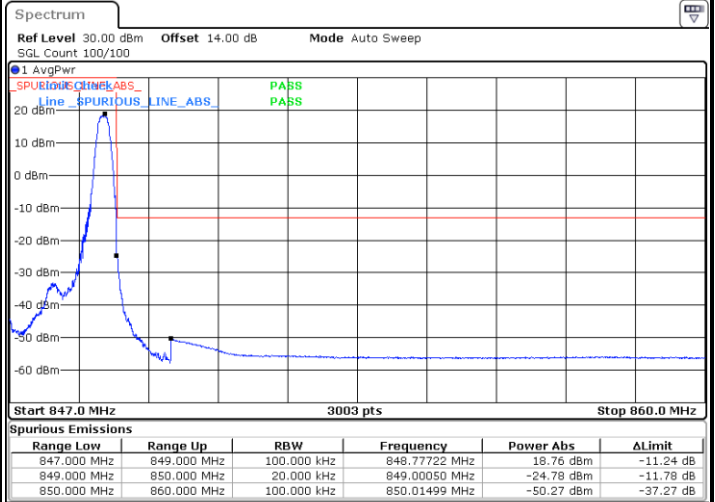
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



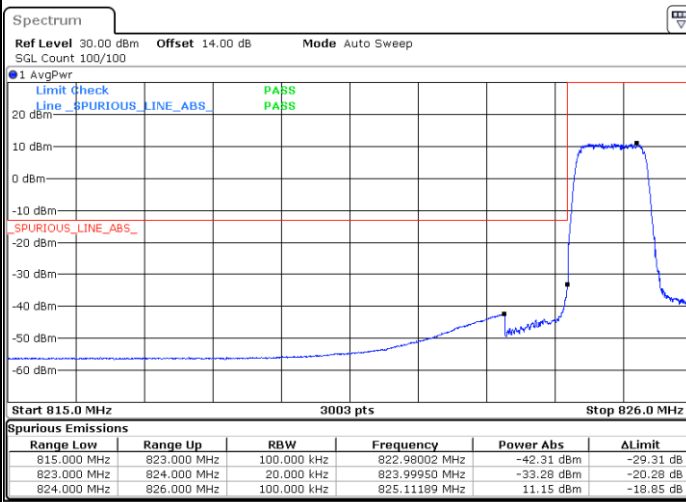
Date: 16.JAN.2024 22:50:42

Highest Band Edge / 1 RB



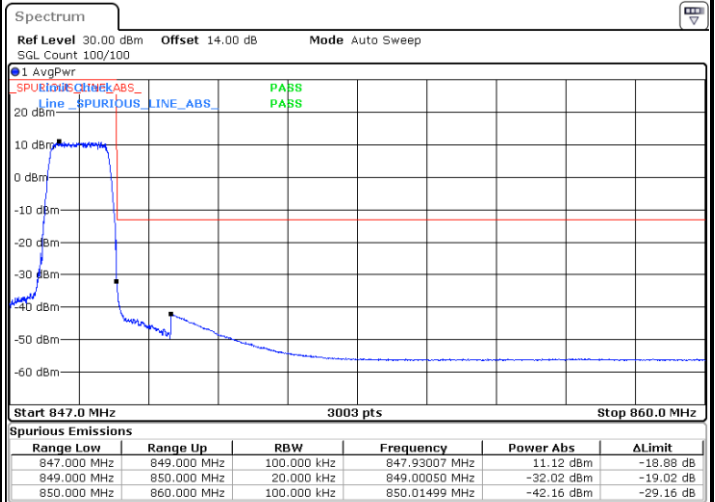
Date: 16.JAN.2024 23:00:34

Lowest Band Edge / Full RB



Date: 16.JAN.2024 22:53:48

Highest Band Edge / Full RB

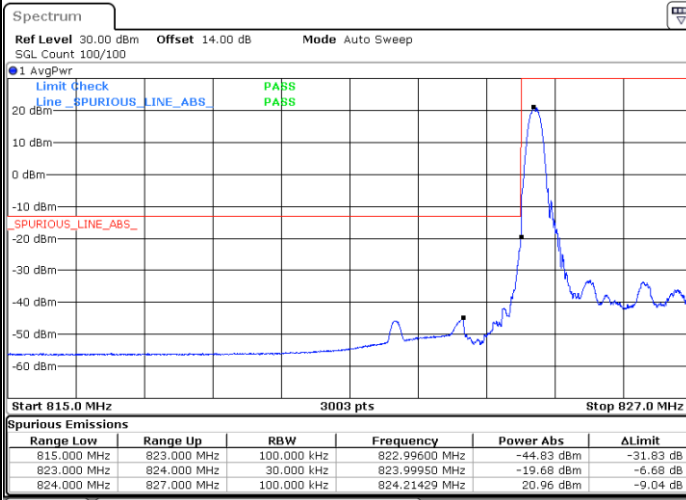


Date: 16.JAN.2024 23:03:39



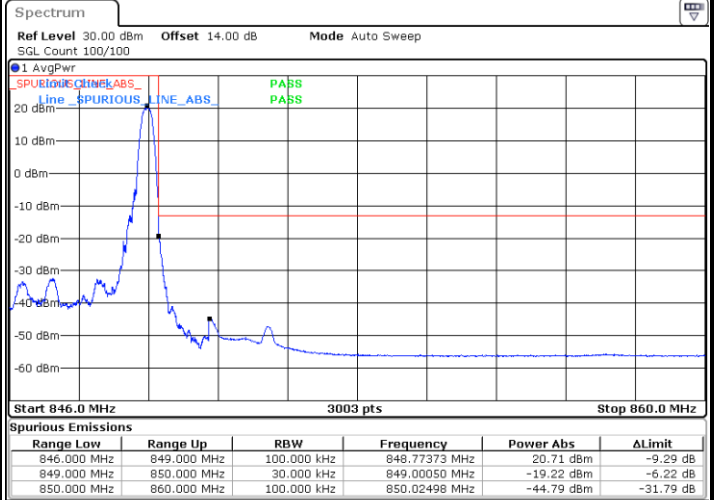
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



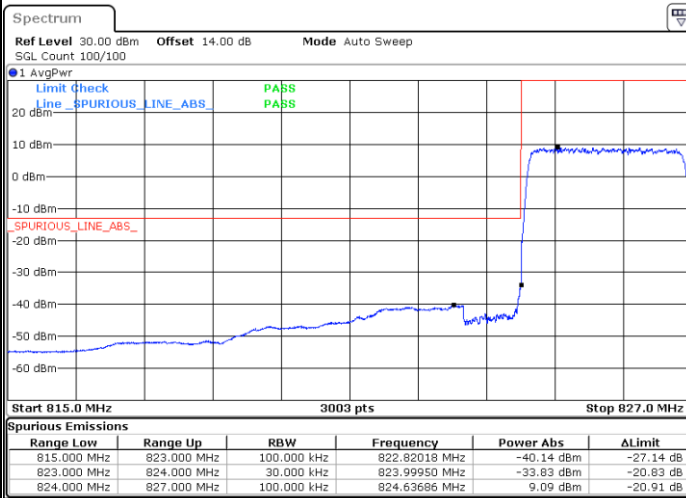
Date: 16.JAN.2024 23:06:38

Highest Band Edge / 1RB



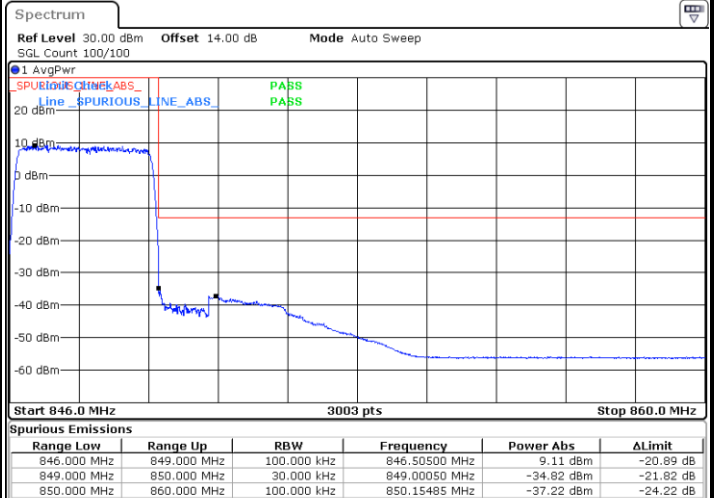
Date: 16.JAN.2024 23:16:31

Lowest Band Edge / Full RB



Date: 16.JAN.2024 23:09:44

Highest Band Edge / Full RB

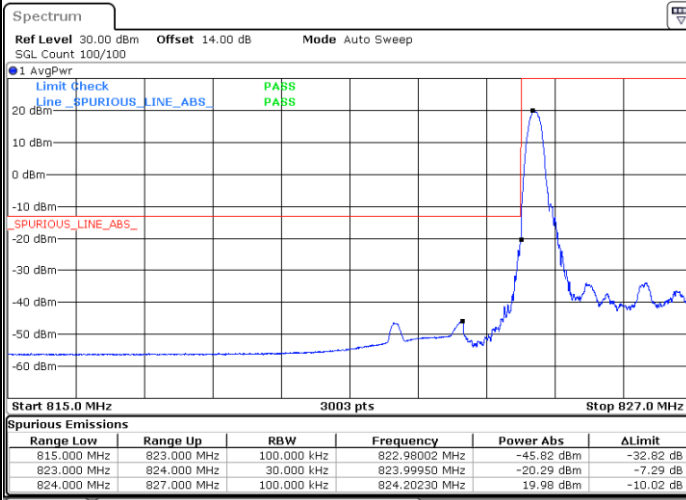


Date: 16.JAN.2024 23:19:37



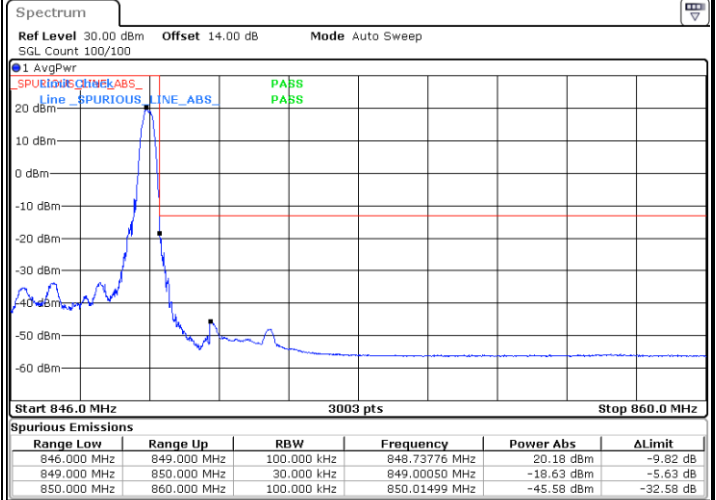
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



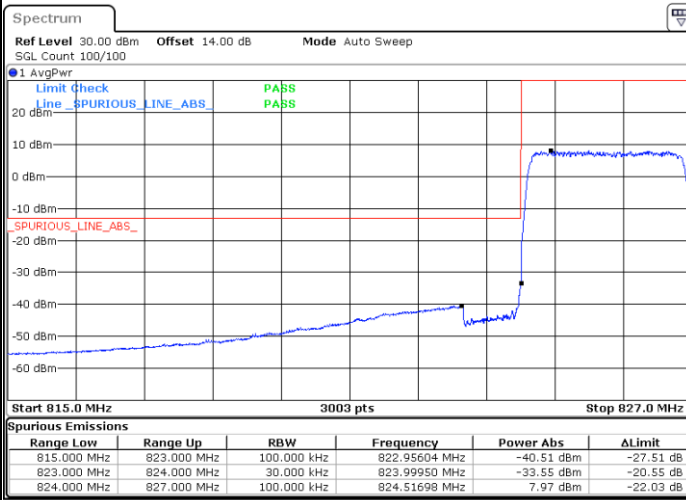
Date: 16.JAN.2024 23:07:40

Highest Band Edge / 1 RB



Date: 16.JAN.2024 23:17:33

Lowest Band Edge / Full RB



Date: 16.JAN.2024 23:10:46

Highest Band Edge / Full RB

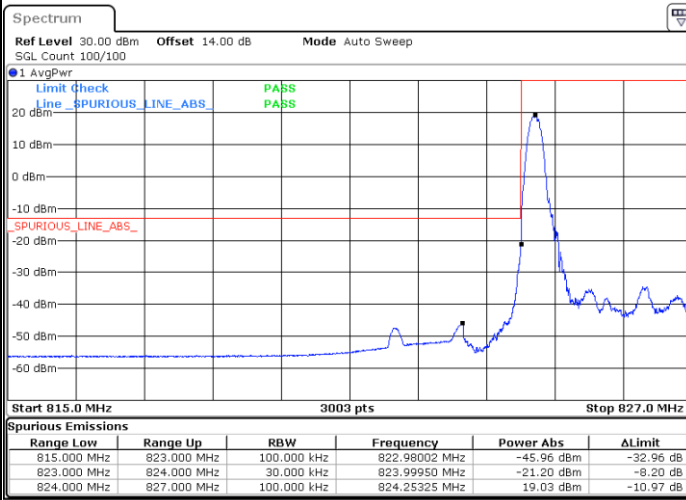


Date: 16.JAN.2024 23:20:39



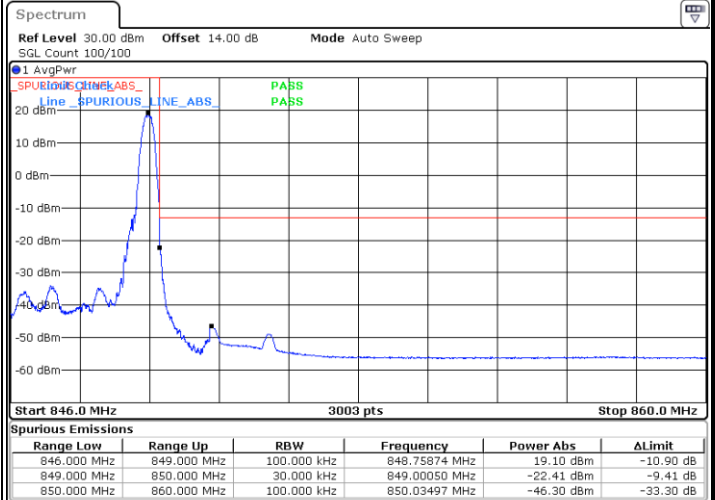
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



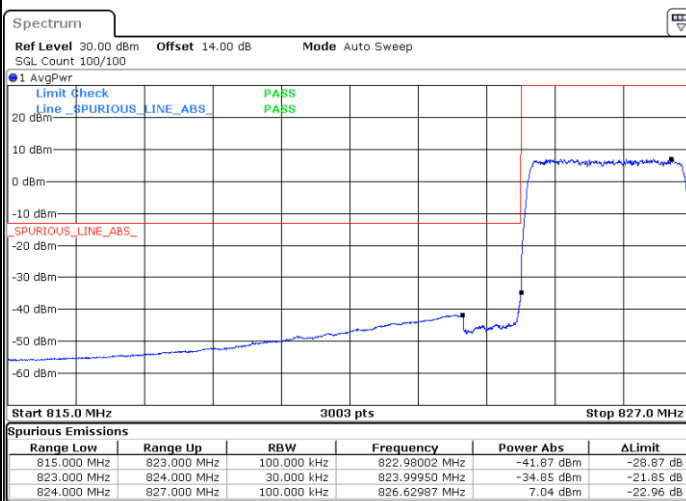
Date: 16.JAN.2024 23:08:42

Highest Band Edge / 1 RB



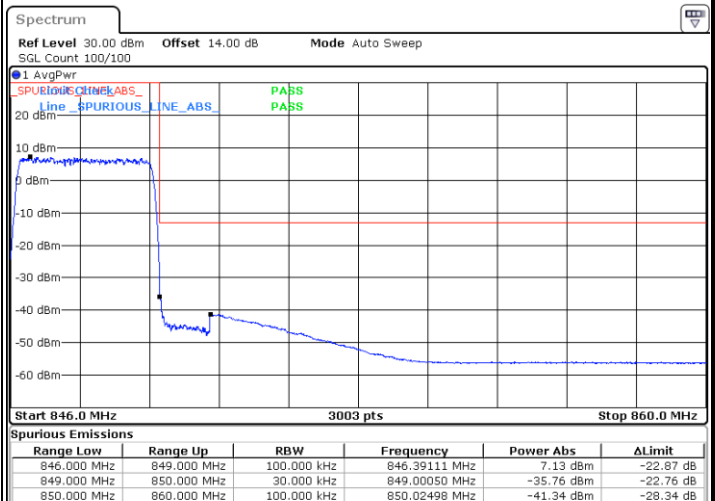
Date: 16.JAN.2024 23:18:35

Lowest Band Edge / Full RB



Date: 16.JAN.2024 23:11:48

Highest Band Edge / Full RB

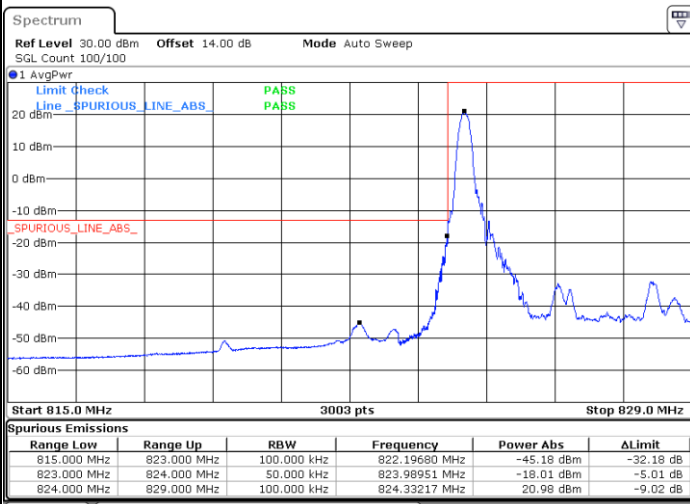


Date: 16.JAN.2024 23:21:41



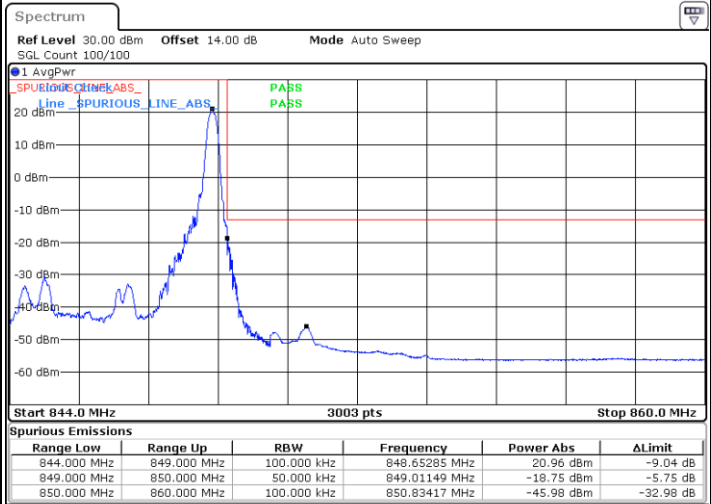
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1RB



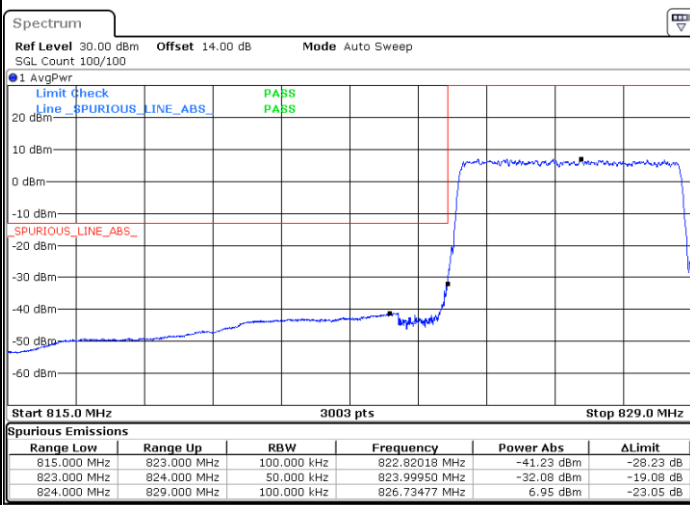
Date: 16.JAN.2024 23:24:39

Highest Band Edge / 1RB



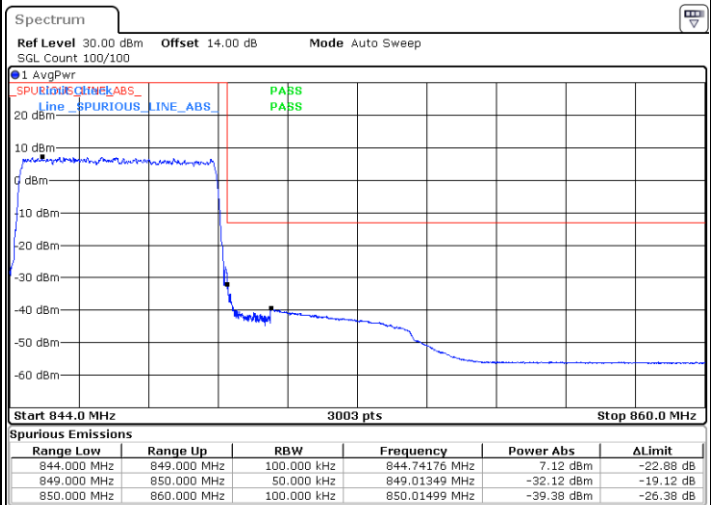
Date: 16.JAN.2024 23:34:31

Lowest Band Edge / Full RB



Date: 16.JAN.2024 23:27:44

Highest Band Edge / Full RB

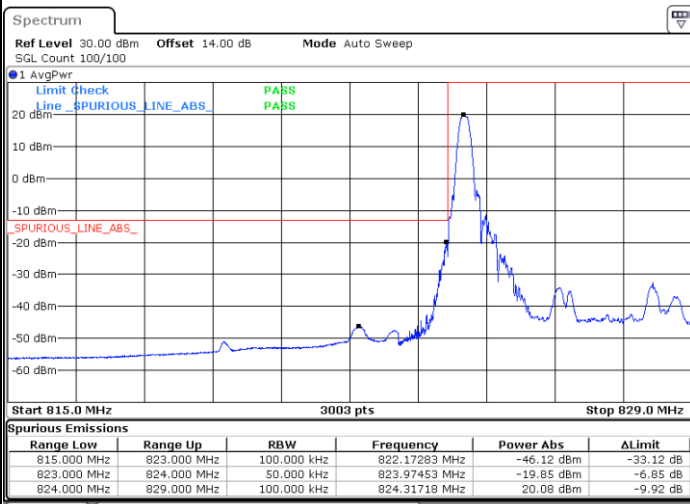


Date: 16.JAN.2024 23:37:36



LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



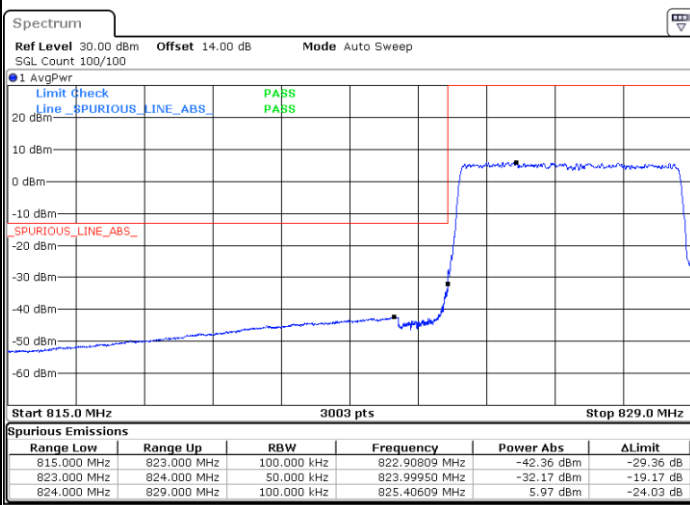
Date: 16.JAN.2024 23:25:41

Highest Band Edge / 1 RB



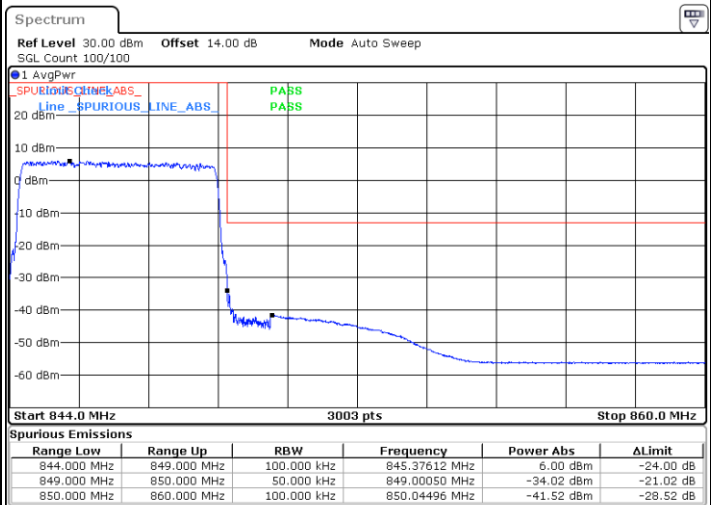
Date: 16.JAN.2024 23:35:33

Lowest Band Edge / Full RB



Date: 16.JAN.2024 23:28:46

Highest Band Edge / Full RB

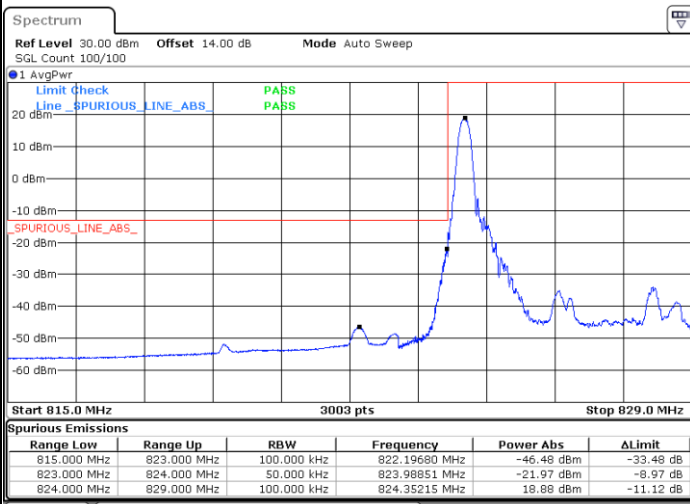


Date: 16.JAN.2024 23:38:38



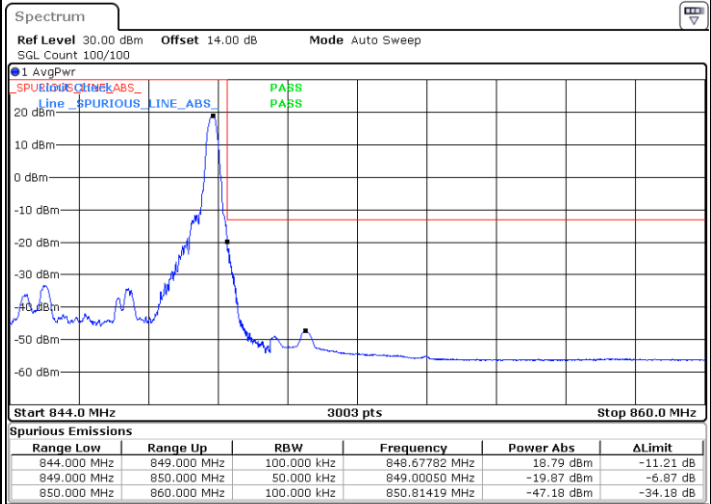
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



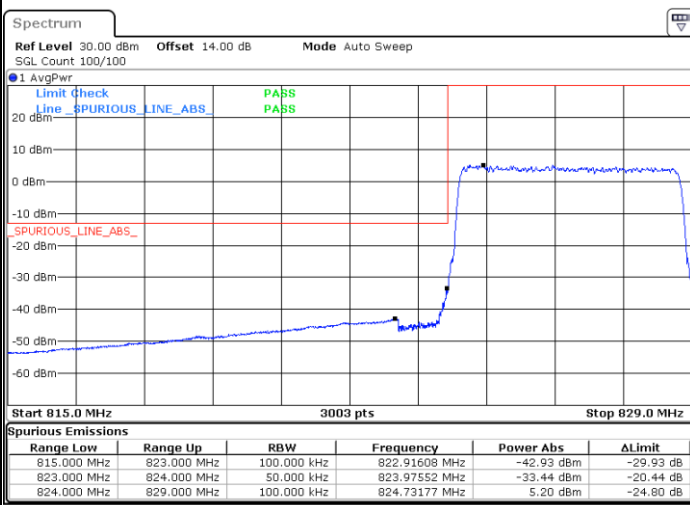
Date: 16.JAN.2024 23:26:43

Highest Band Edge / 1 RB



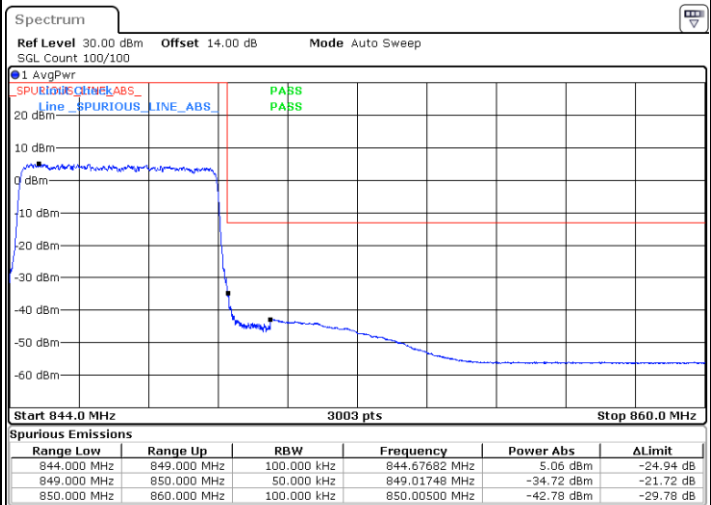
Date: 16.JAN.2024 23:36:34

Lowest Band Edge / Full RB



Date: 16.JAN.2024 23:29:48

Highest Band Edge / Full RB



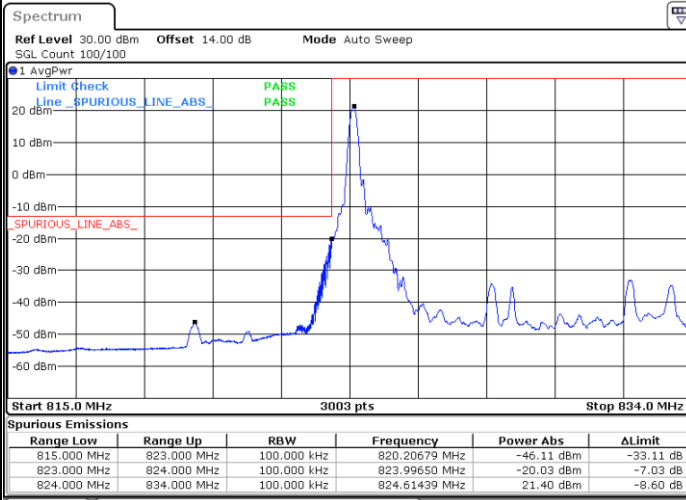
Date: 16.JAN.2024 23:39:40





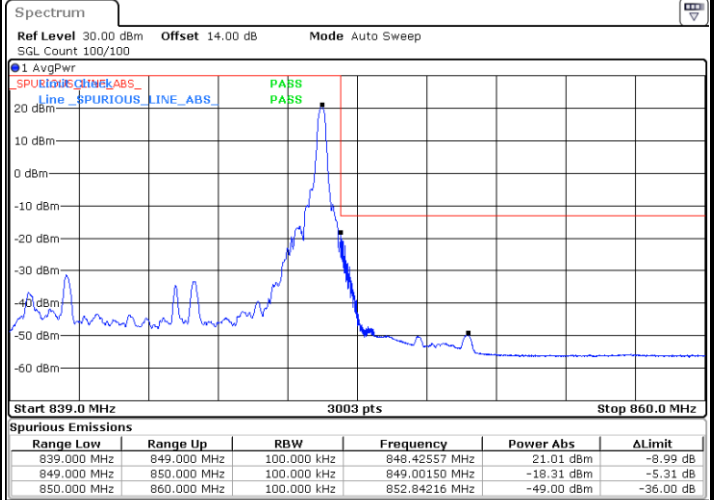
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1RB



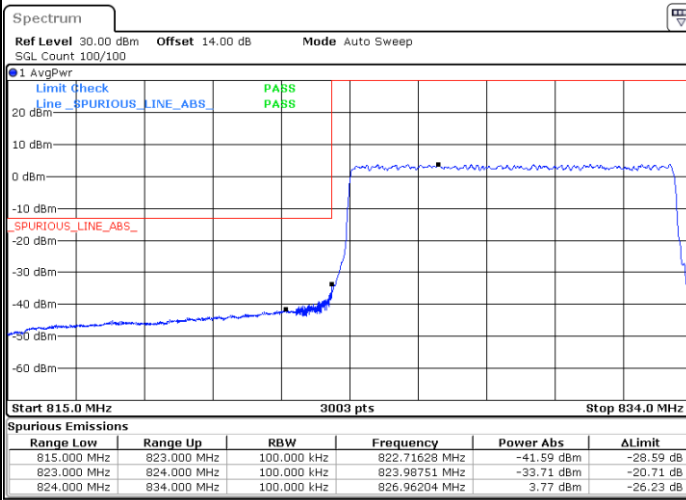
Date: 16.JAN.2024 23:43:12

Highest Band Edge / 1RB



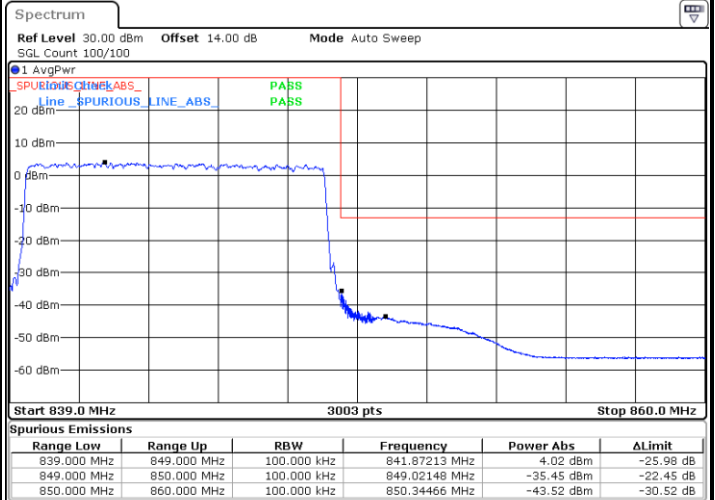
Date: 16.JAN.2024 23:55:54

Lowest Band Edge / Full RB



Date: 16.JAN.2024 23:47:45

Highest Band Edge / Full RB

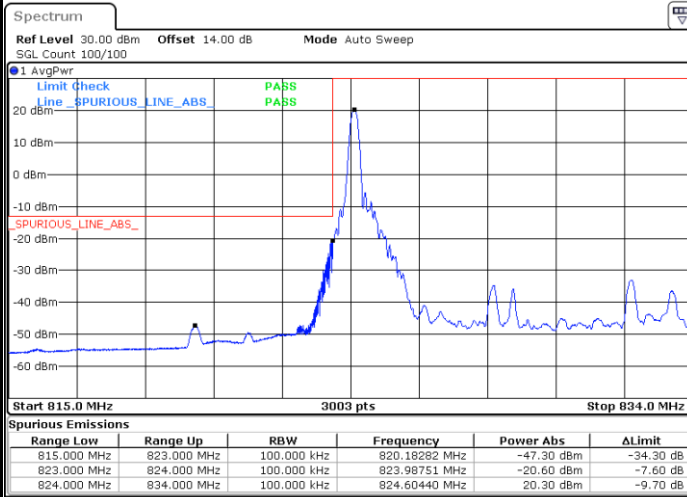


Date: 16.JAN.2024 23:58:59



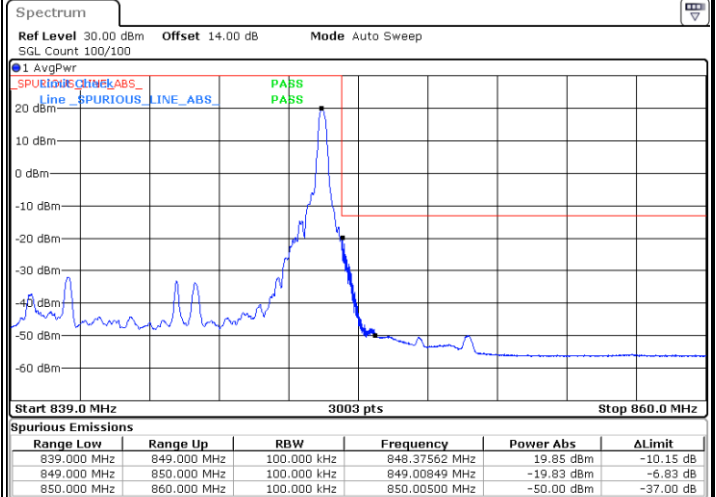
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



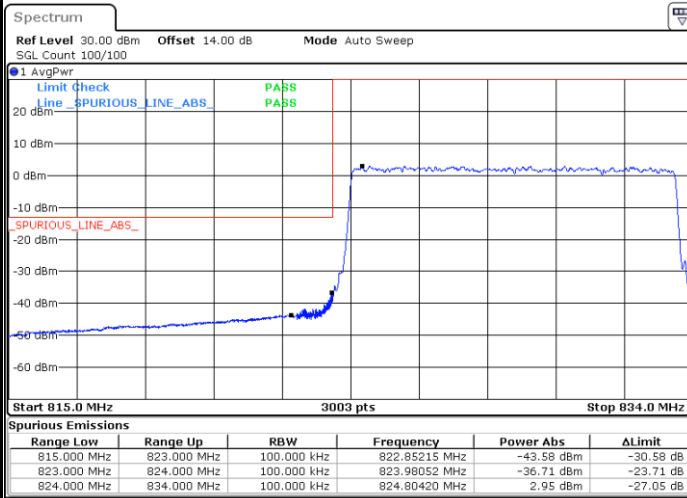
Date: 16.JAN.2024 23:45:41

Highest Band Edge / 1 RB



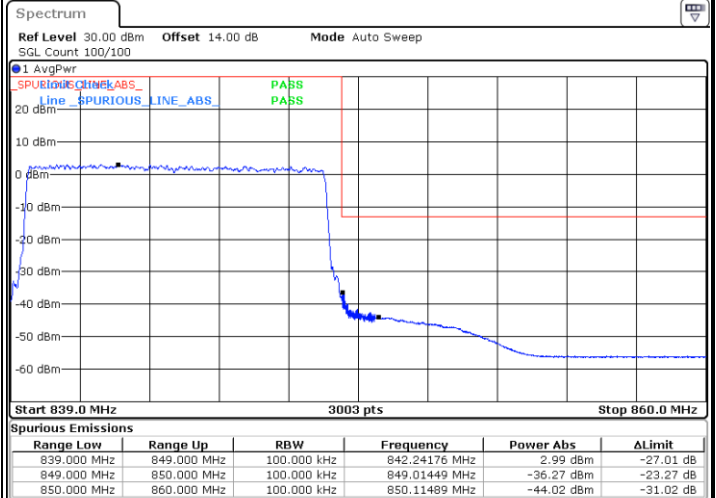
Date: 16.JAN.2024 23:56:56

Lowest Band Edge / Full RB



Date: 16.JAN.2024 23:48:47

Highest Band Edge / Full RB

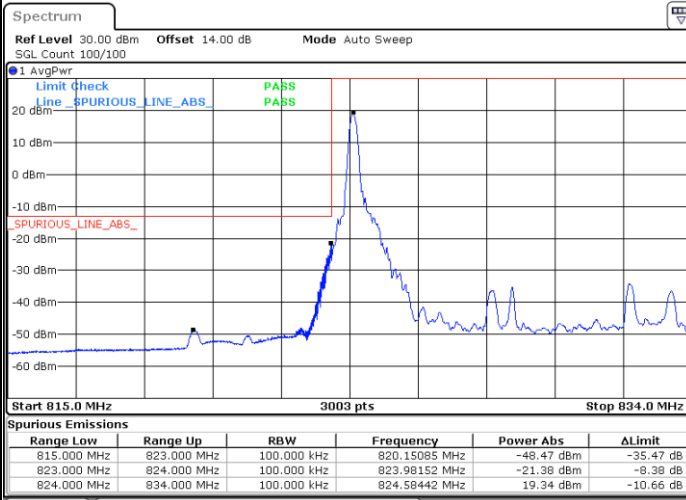


Date: 17.JAN.2024 00:00:01



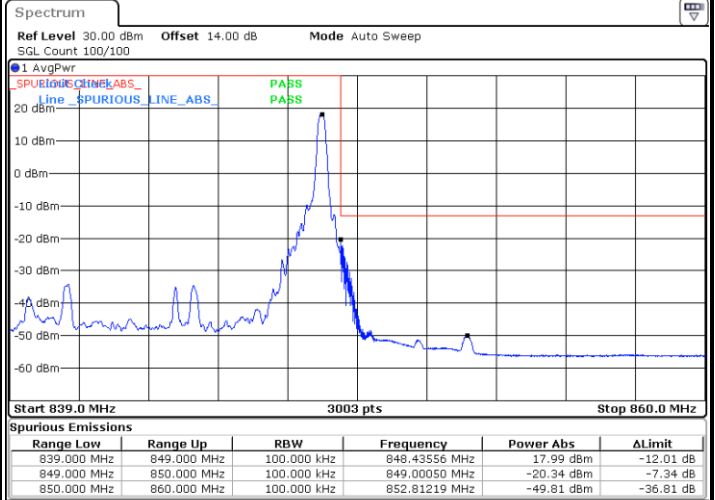
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



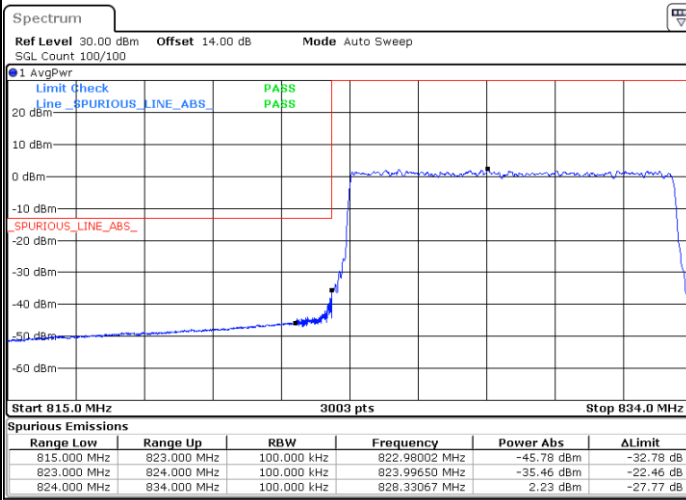
Date: 16.JAN.2024 23:46:43

Highest Band Edge / 1 RB



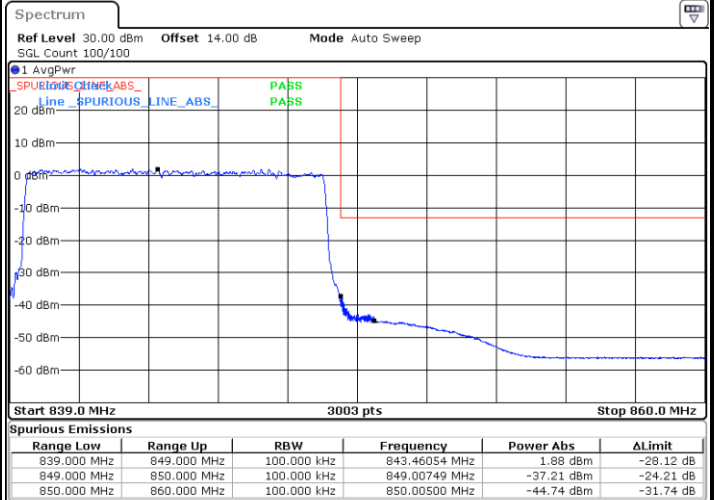
Date: 16.JAN.2024 23:57:57

Lowest Band Edge / Full RB



Date: 16.JAN.2024 23:49:48

Highest Band Edge / Full RB



Date: 17.JAN.2024 00:01:03

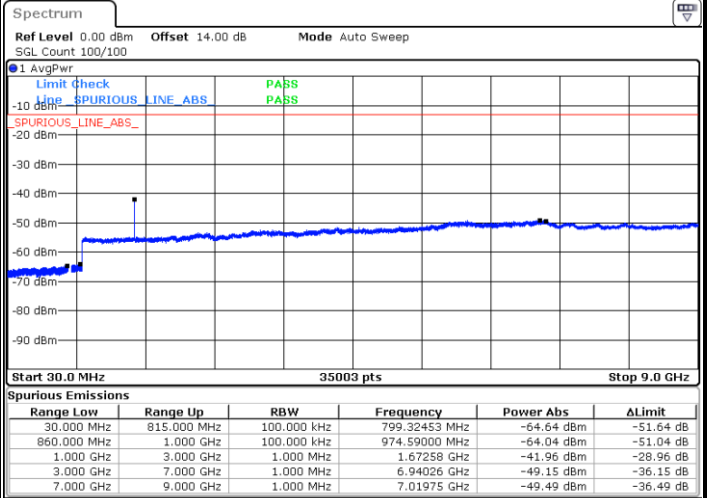
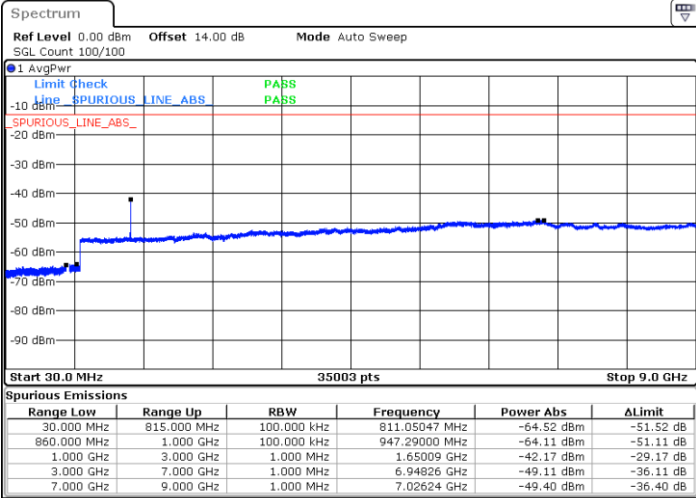


# Conducted Spurious Emission

## LTE Band 5 / 1.4MHz

### Lowest Channel / QPSK

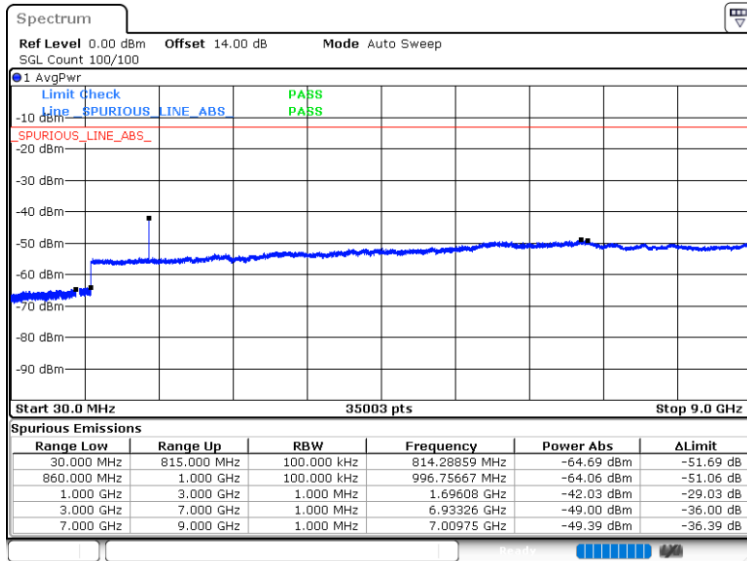
### Middle Channel / QPSK



Date: 16.JAN.2024 22:54:59

Date: 16.JAN.2024 22:56:09

### Highest Channel / QPSK



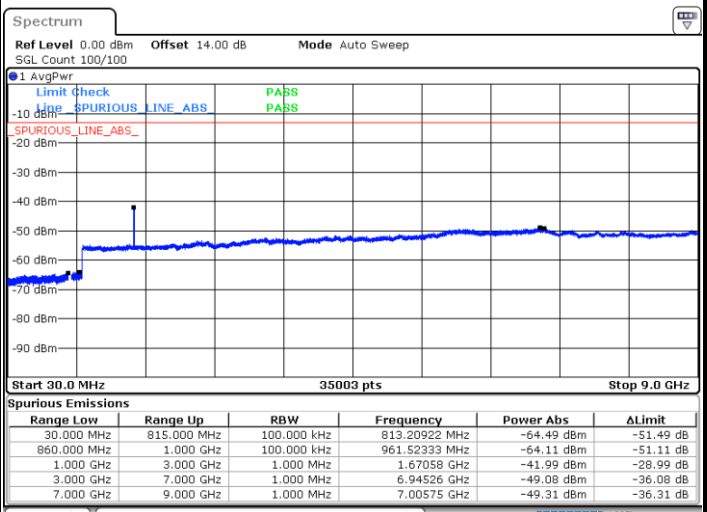
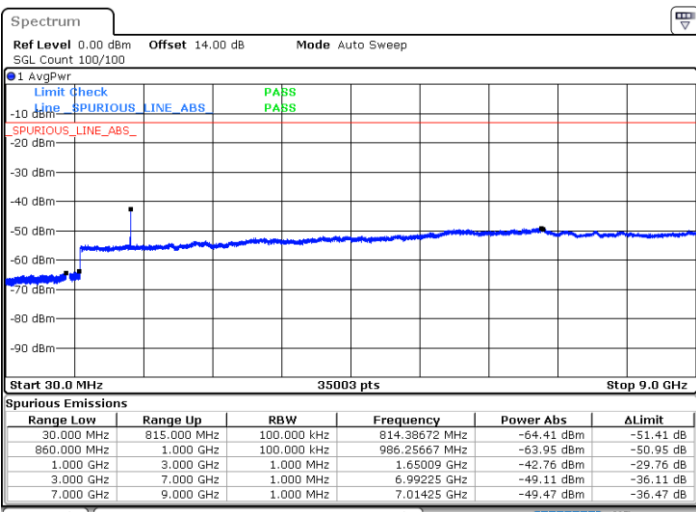
Date: 16.JAN.2024 23:04:50



LTE Band 5 / 3MHz

Lowest Channel / QPSK

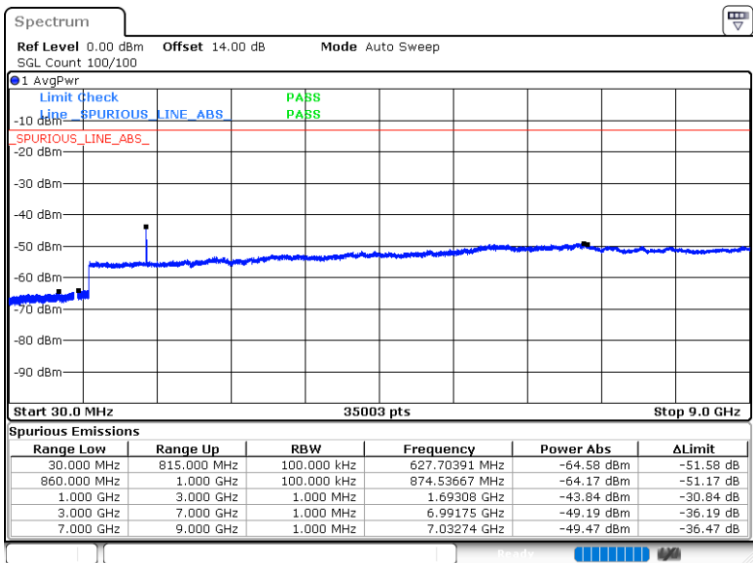
Middle Channel / QPSK



Date: 16.JAN.2024 23:12:59

Date: 16.JAN.2024 23:14:09

Highest Channel / QPSK



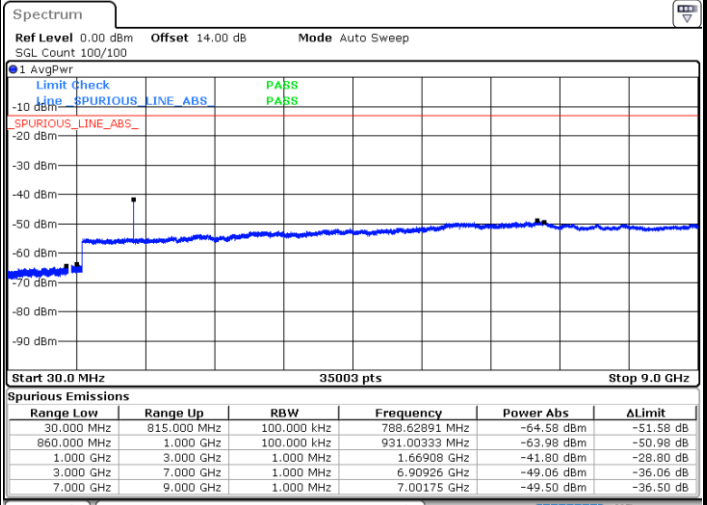
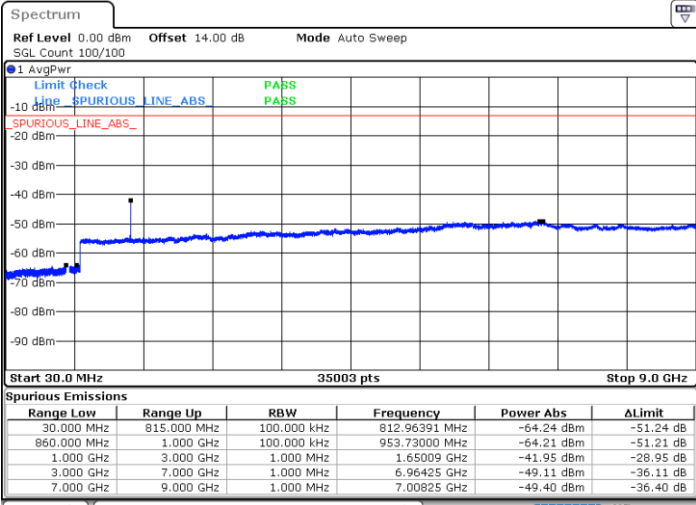
Date: 16.JAN.2024 23:22:52



LTE Band 5 / 5MHz

Lowest Channel / QPSK

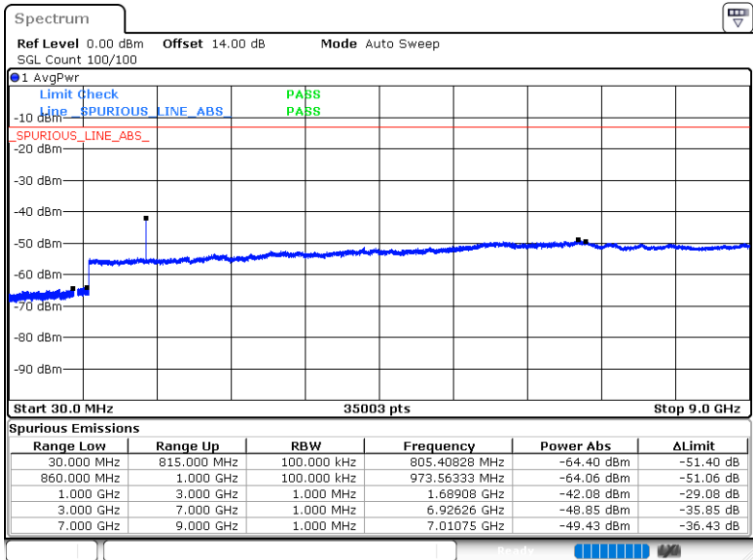
Middle Channel / QPSK



Date: 16.JAN.2024 23:30:59

Date: 16.JAN.2024 23:32:10

Highest Channel / QPSK



Date: 16.JAN.2024 23:40:51