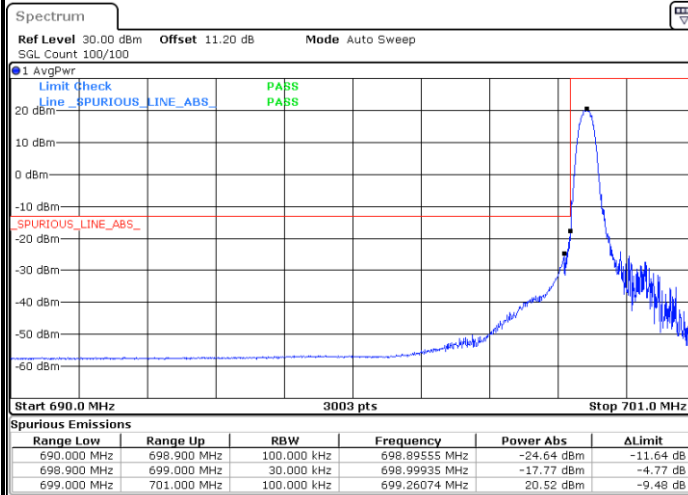




LTE Band 12 / 1.4MHz / 64QAM

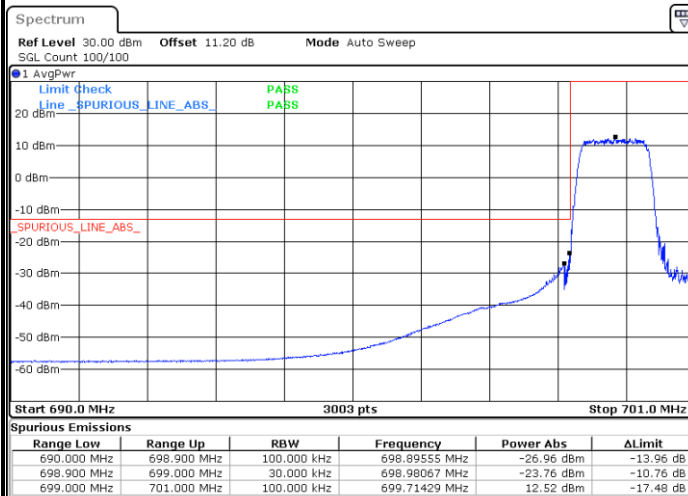
Lowest Band Edge / 1 RB



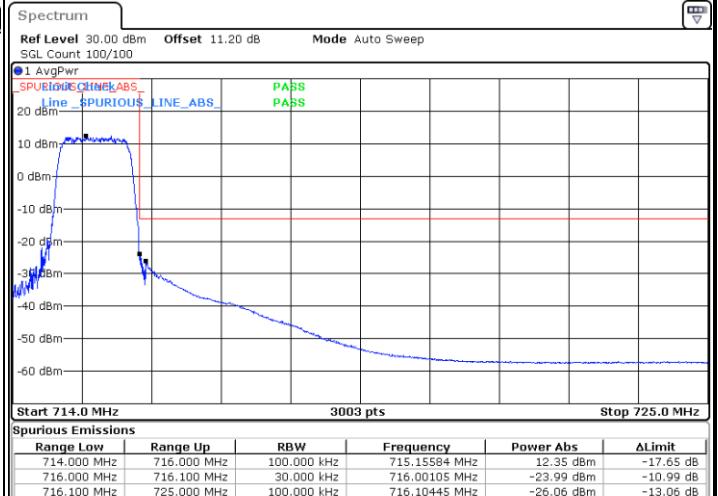
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



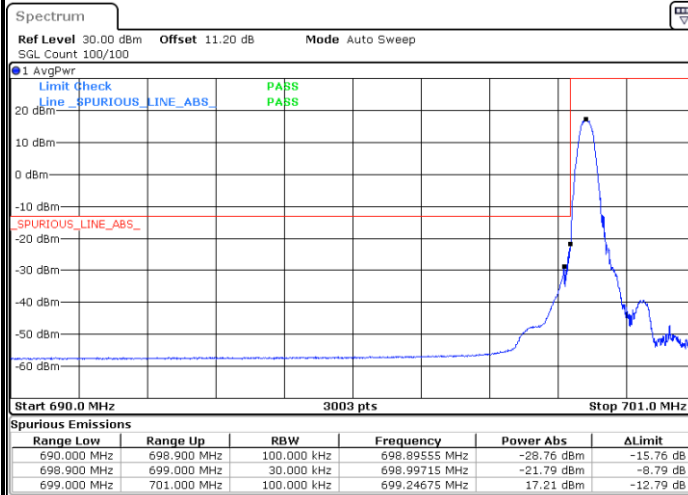
Highest Band Edge / Full RB



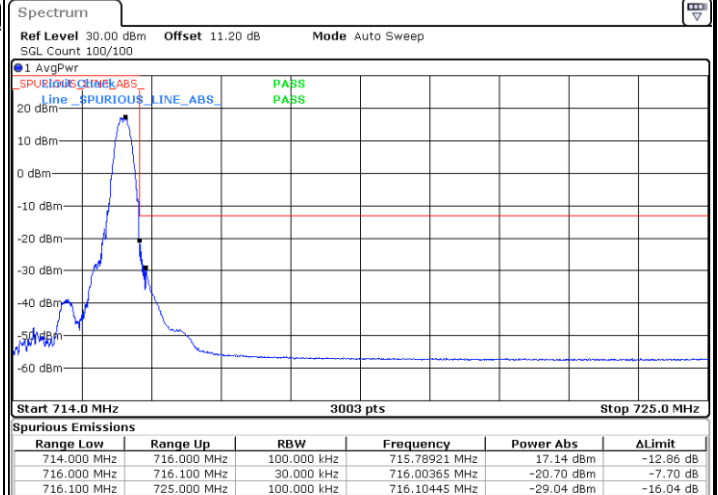


LTE Band 12 / 1.4MHz / 256QAM

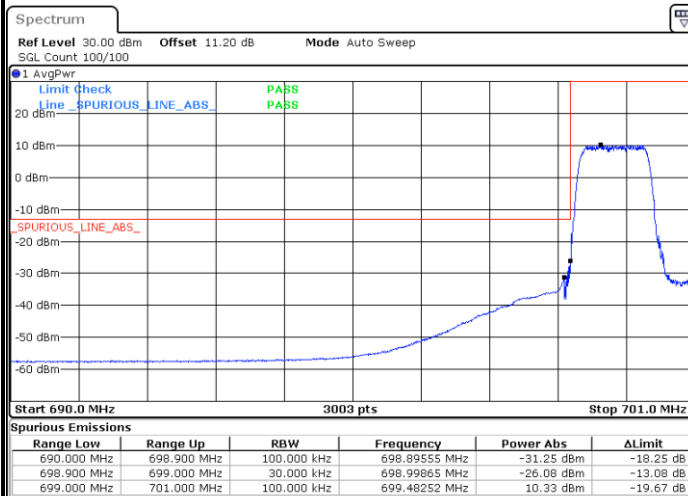
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



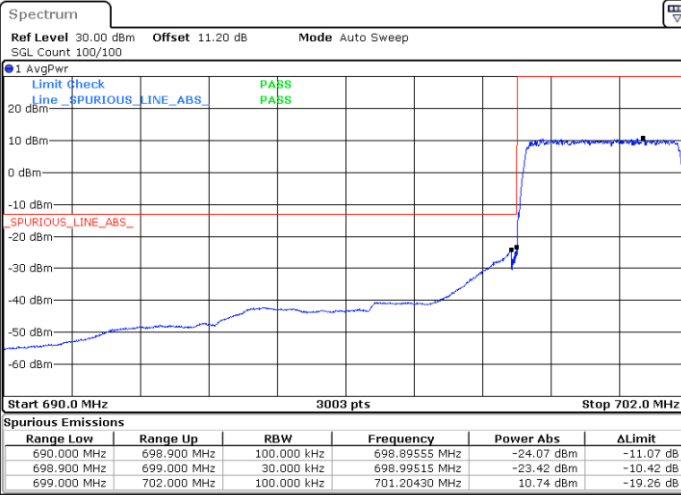
Highest Band Edge / Full RB





LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / Full RB

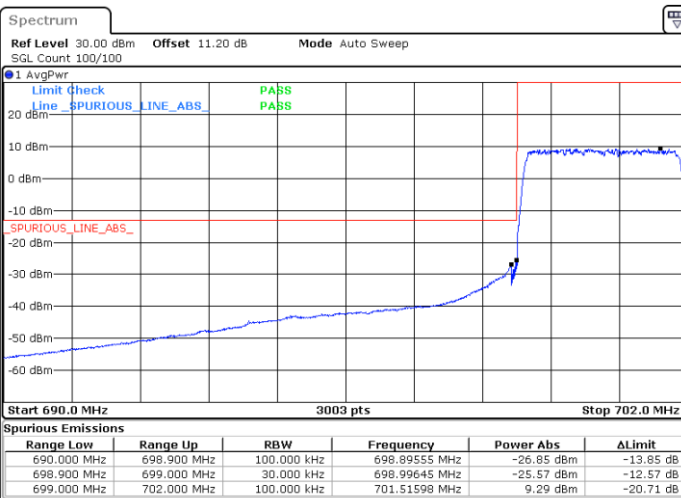


Highest Band Edge / Full RB

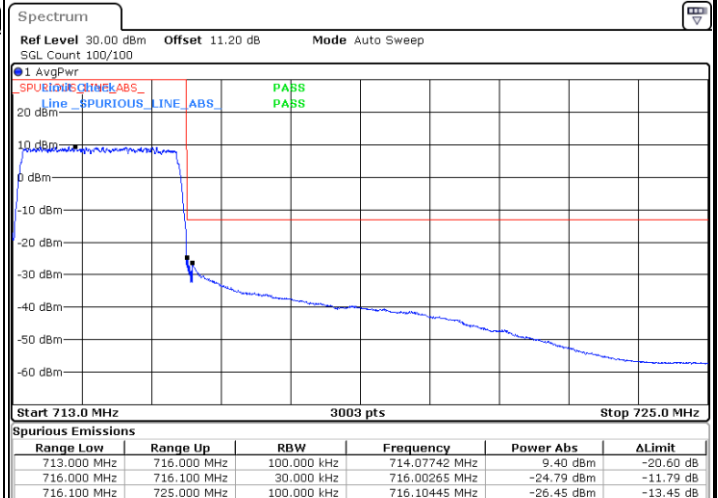


LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

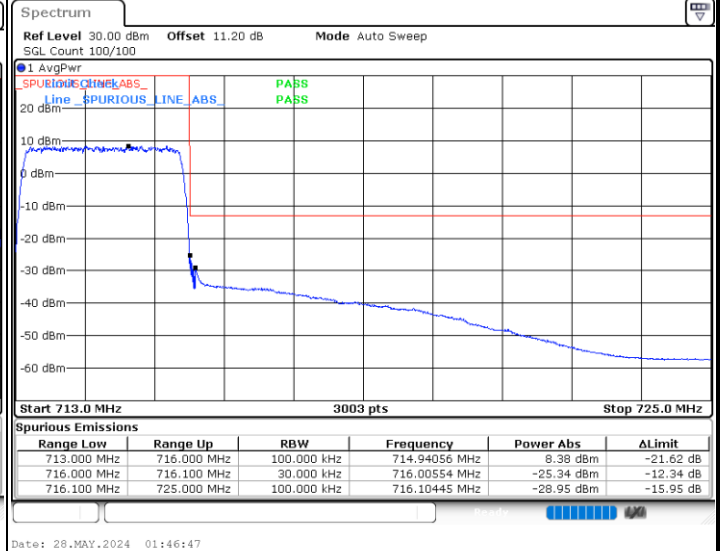
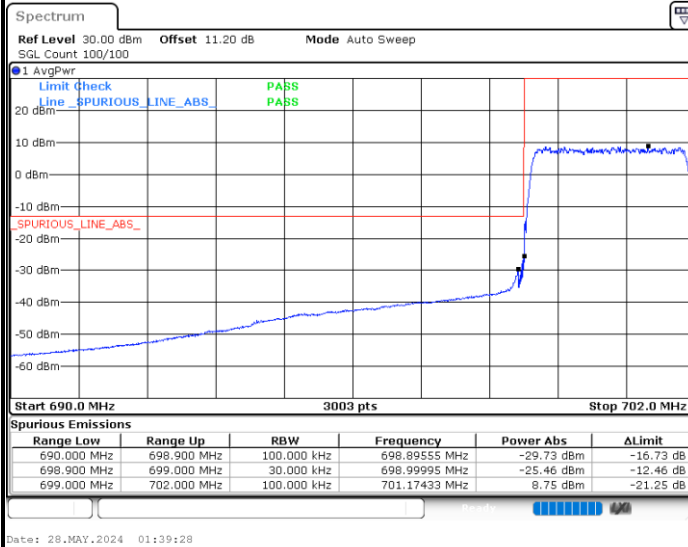




LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / Full RB

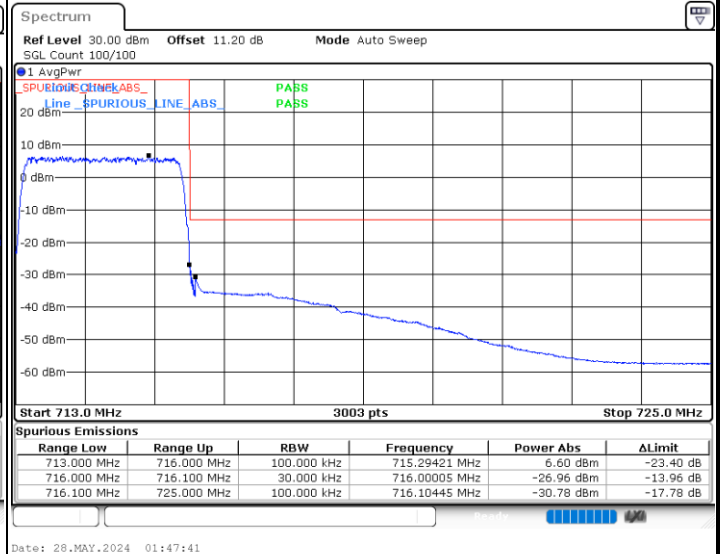
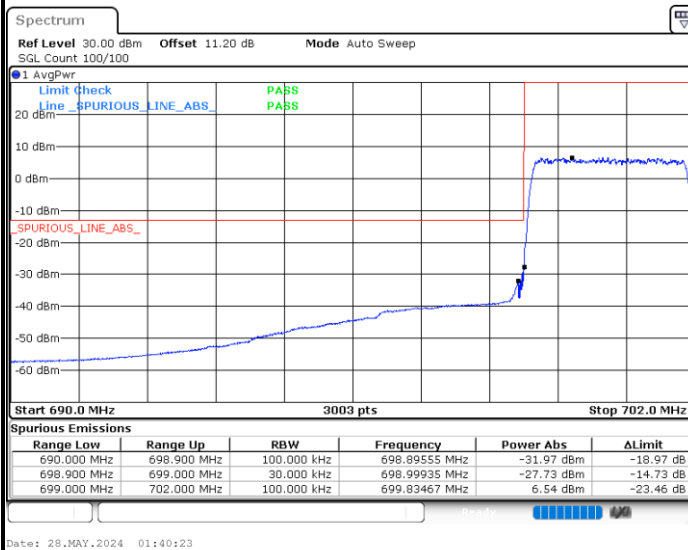
Highest Band Edge / Full RB



LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / Full RB

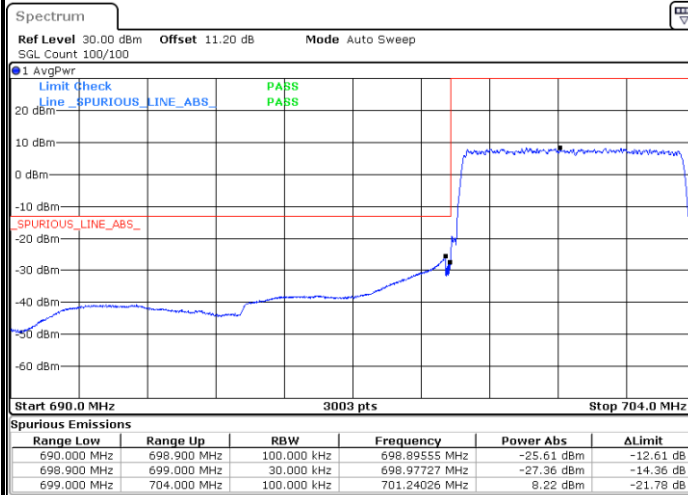
Highest Band Edge / Full RB



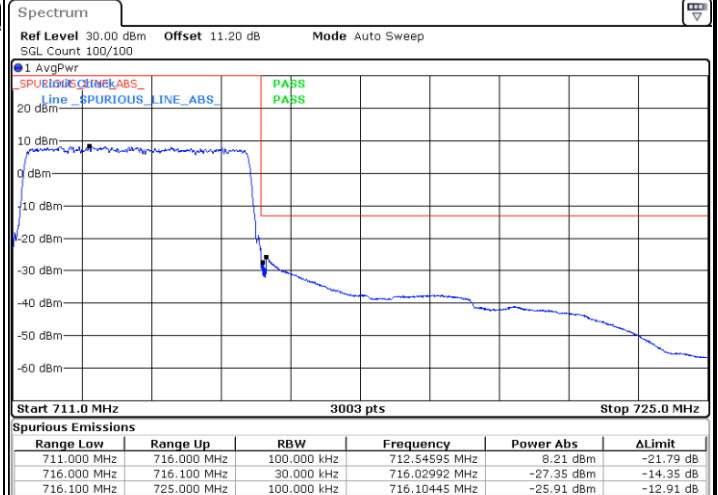


LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / Full RB

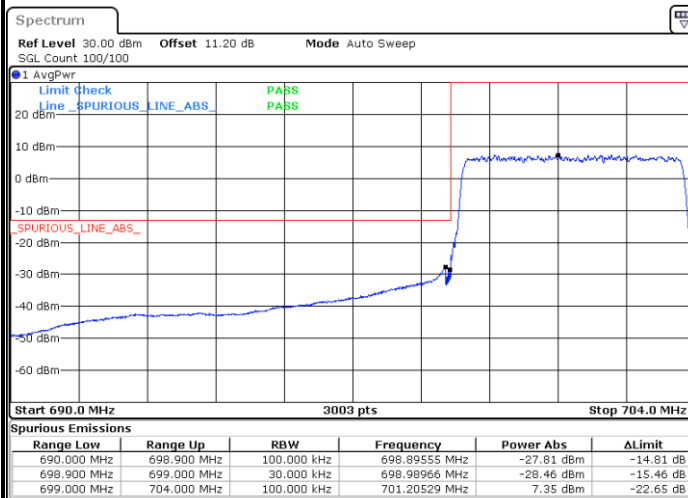


Highest Band Edge / Full RB

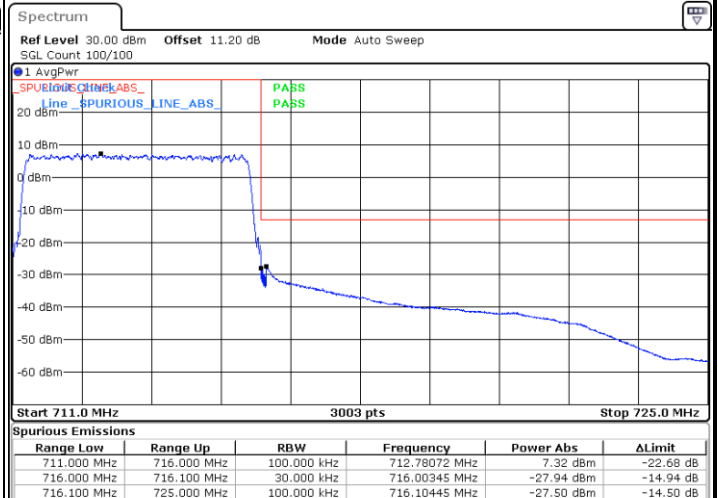


LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / Full RB



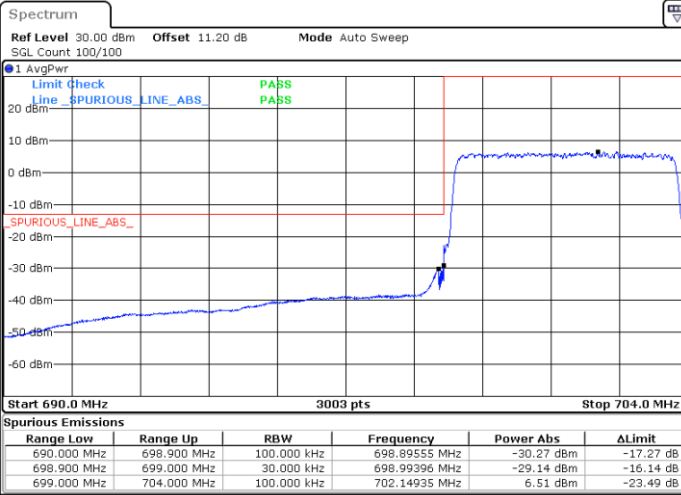
Highest Band Edge / Full RB



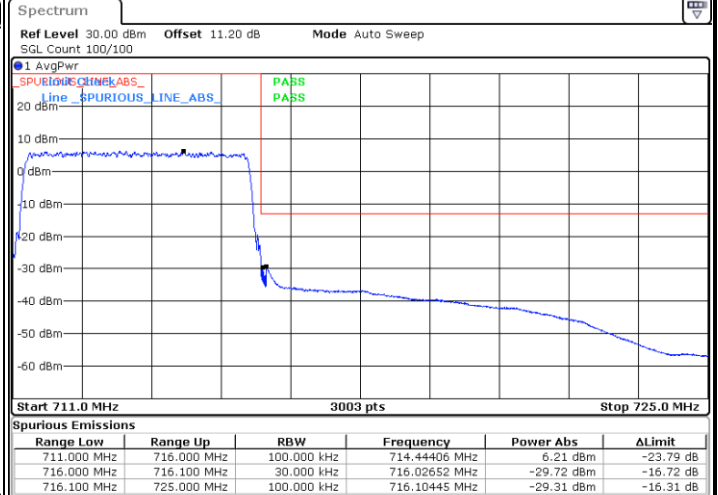


LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / Full RB

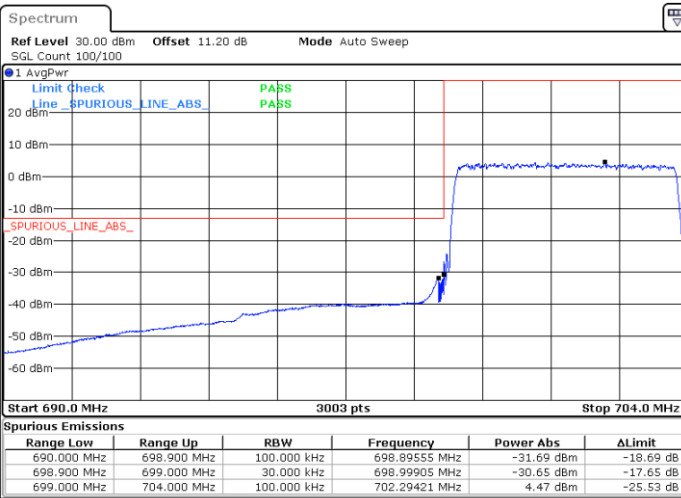


Highest Band Edge / Full RB

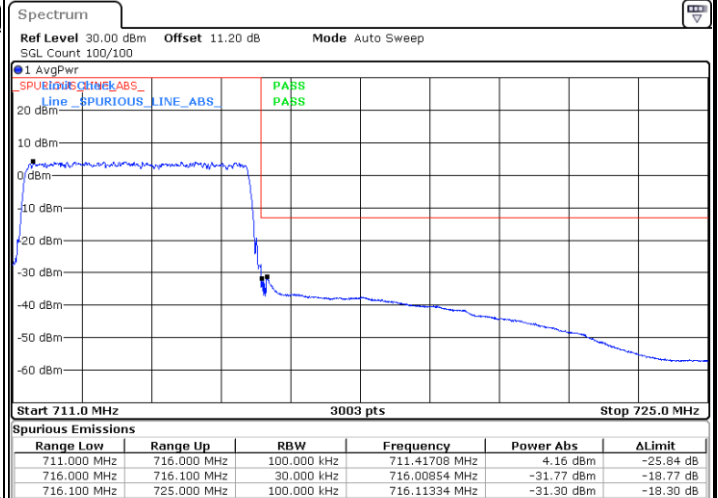


LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / Full RB



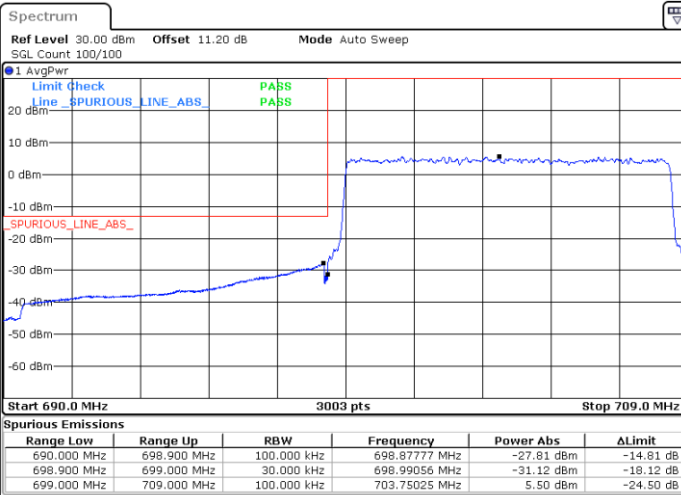
Highest Band Edge / Full RB



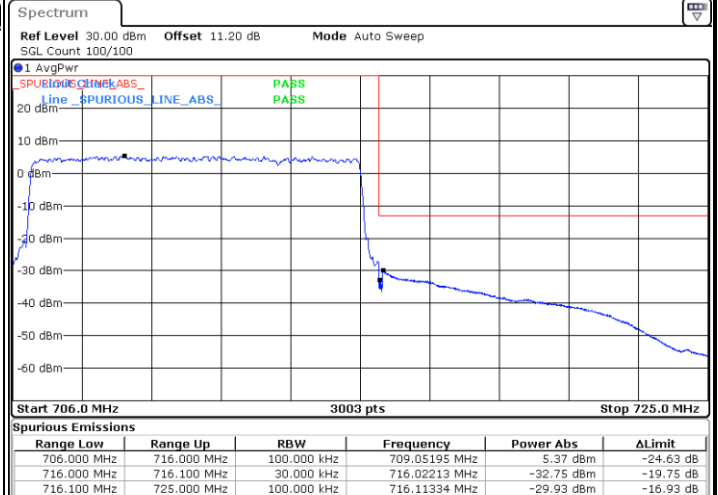


LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / Full RB

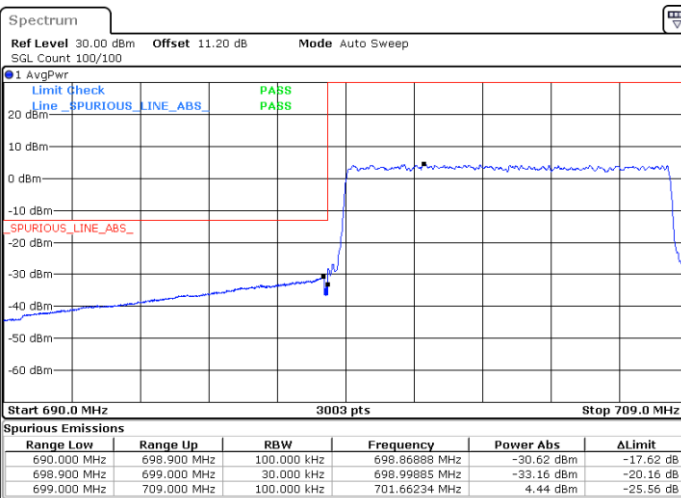


Highest Band Edge / Full RB

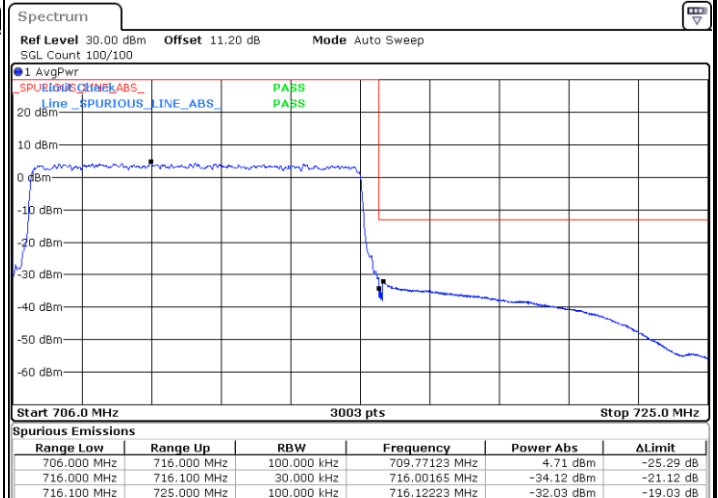


LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / Full RB



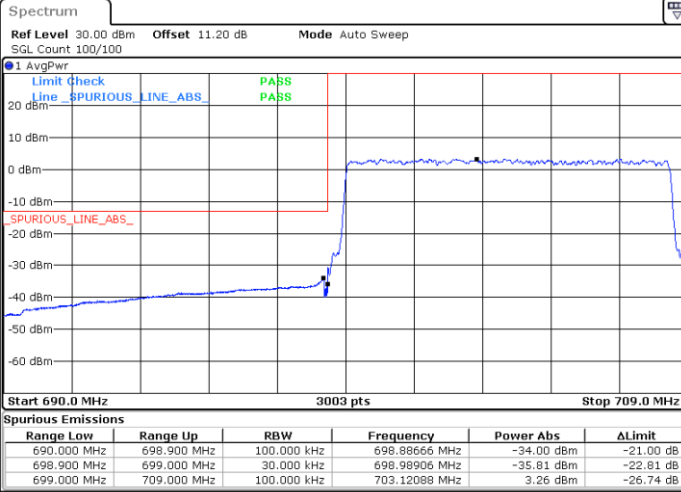
Highest Band Edge / Full RB



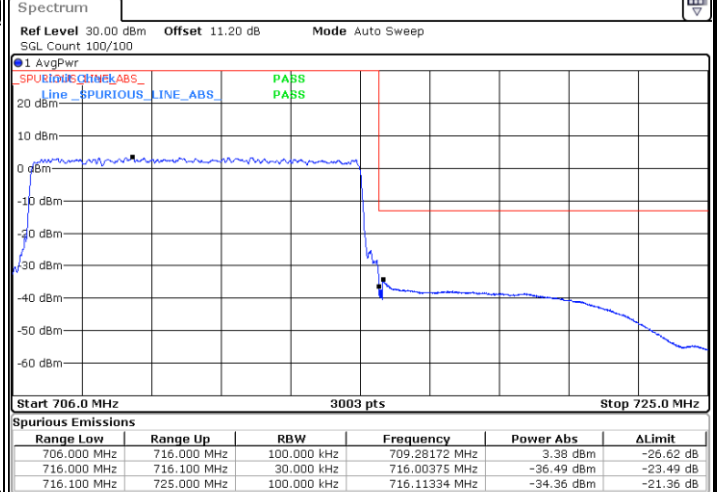


LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / Full RB

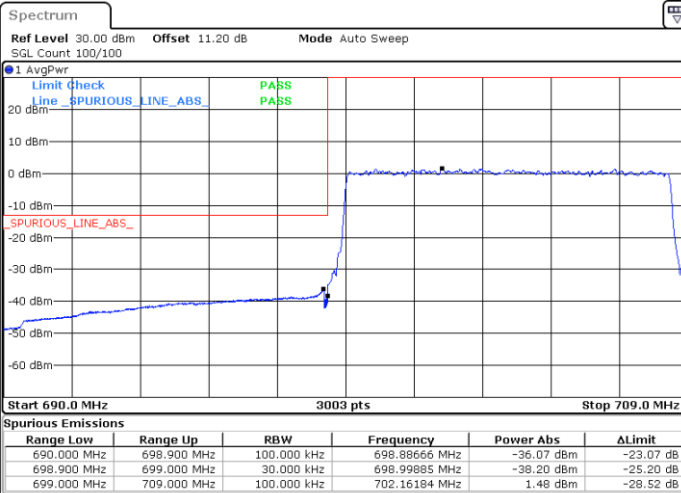


Highest Band Edge / Full RB

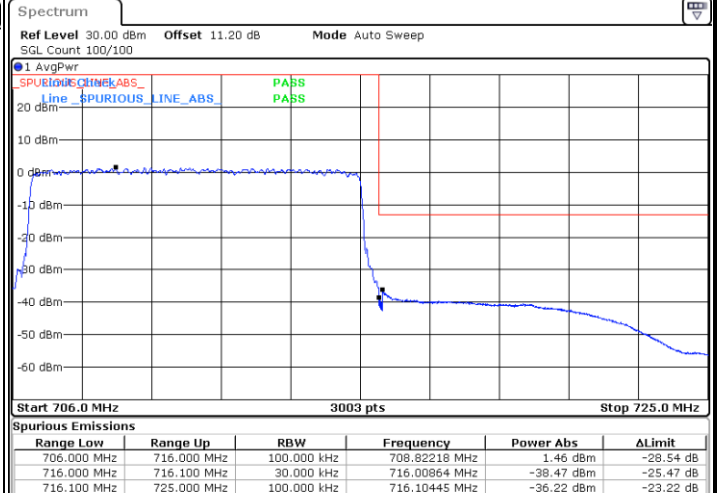


LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

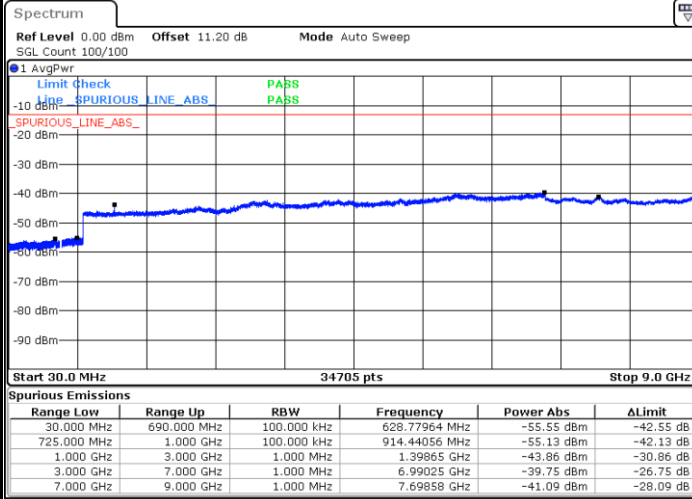




Conducted Spurious Emission

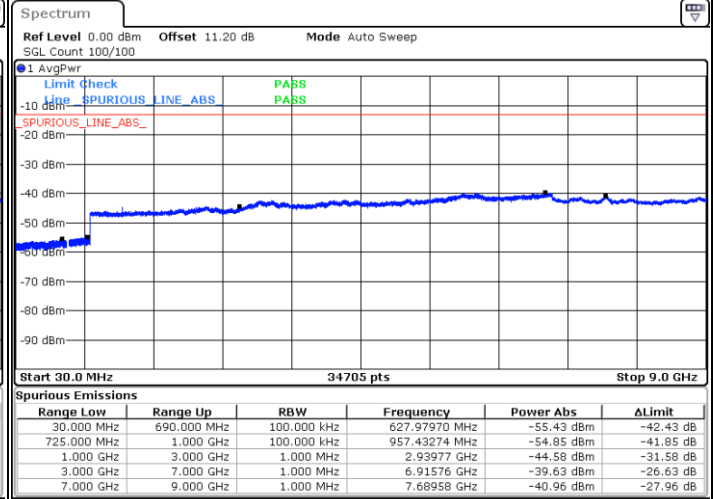
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



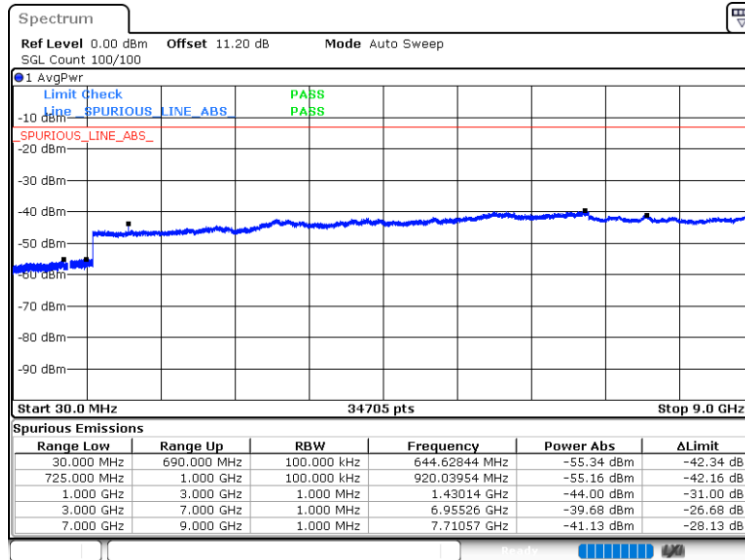
Date: 28.MAY.2024 01:29:58

Middle Channel / QPSK



Date: 28.MAY.2024 01:31:11

Highest Channel / QPSK

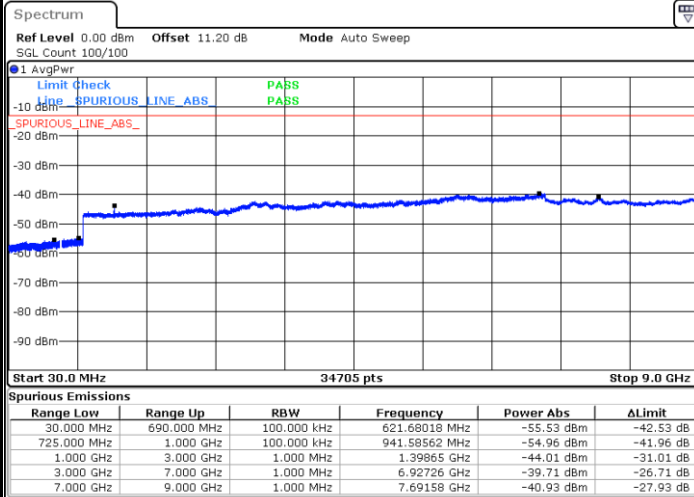


Date: 28.MAY.2024 01:32:24



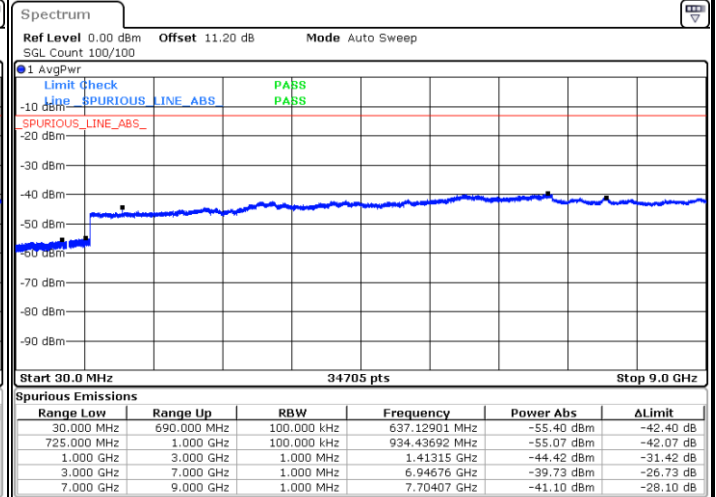
LTE Band 12 / 3MHz

Lowest Channel / QPSK



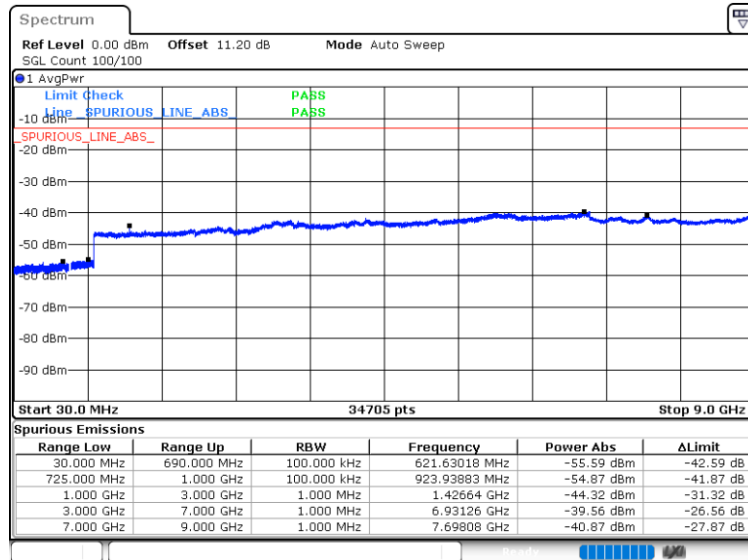
Date: 28.MAY.2024 01:52:12

Middle Channel / QPSK



Date: 28.MAY.2024 01:53:25

Highest Channel / QPSK

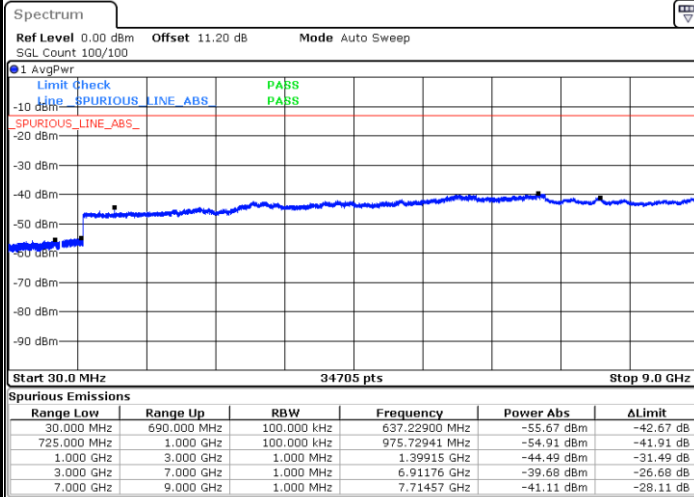


Date: 28.MAY.2024 01:54:38



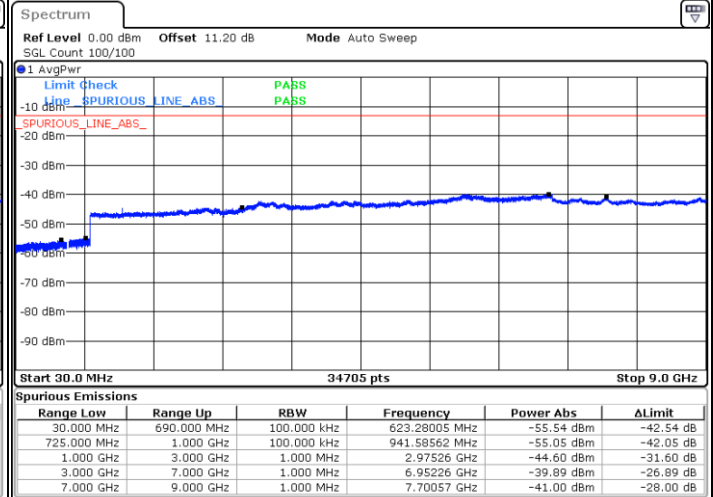
LTE Band 12 / 5MHz

Lowest Channel / QPSK



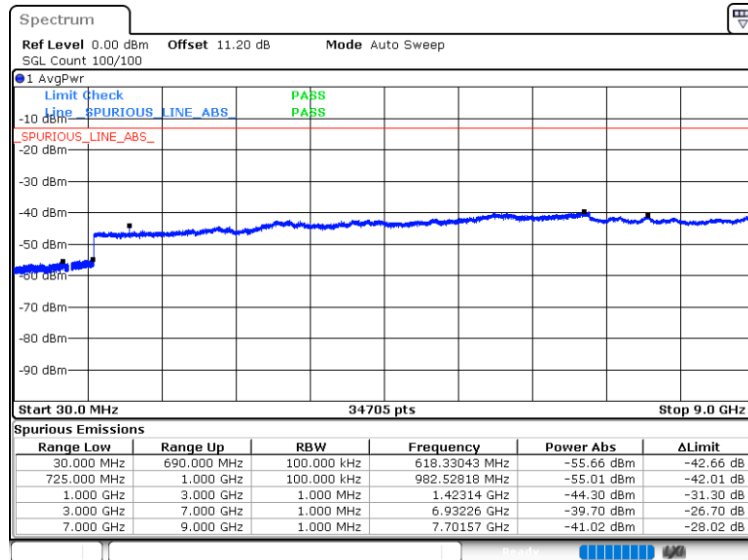
Date: 28.MAY.2024 02:14:27

Middle Channel / QPSK



Date: 28.MAY.2024 02:15:40

Highest Channel / QPSK

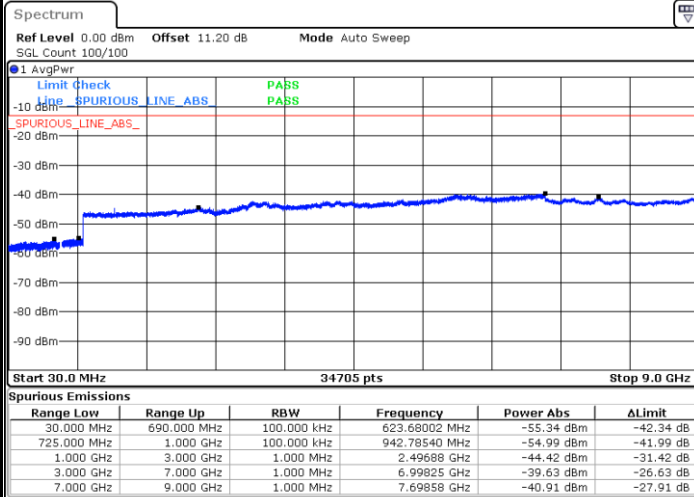


Date: 28.MAY.2024 02:16:53



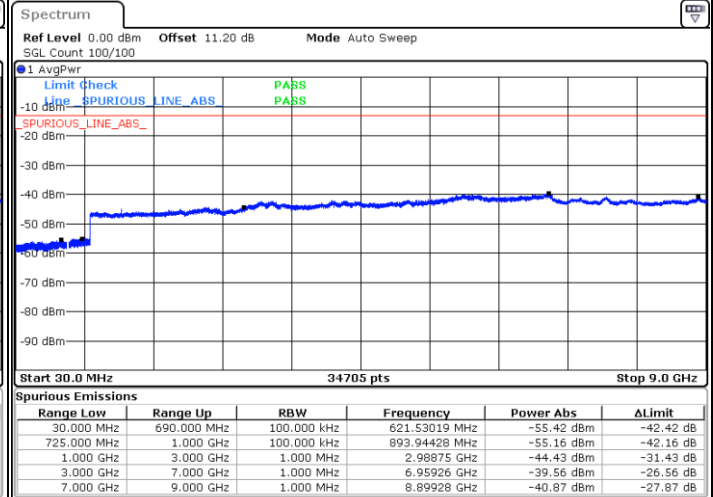
LTE Band 12 / 10MHz

Lowest Channel / QPSK



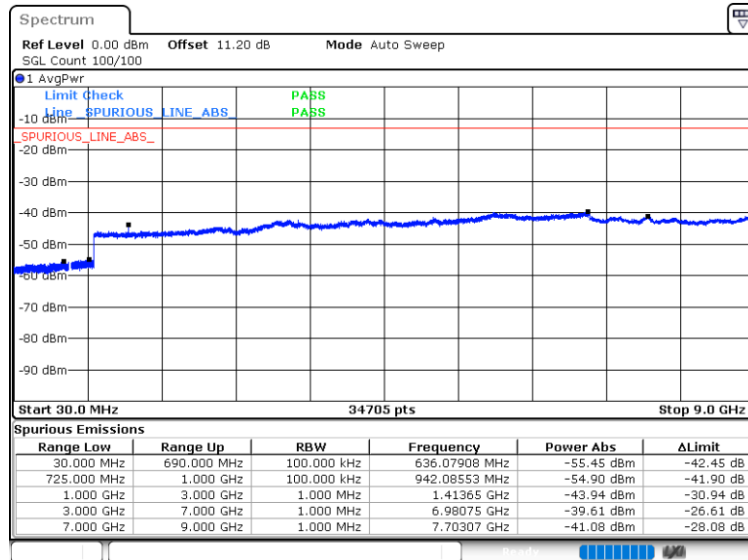
Date: 28.MAY.2024 02:36:41

Middle Channel / QPSK



Date: 28.MAY.2024 02:37:54

Highest Channel / QPSK



Date: 28.MAY.2024 02:39:07

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0028	PASS
40	Normal Voltage	0.0081	
30	Normal Voltage	0.0141	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0134	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0113	
-20	Normal Voltage	0.0054	
-30	Normal Voltage	0.0119	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0163	

Note:

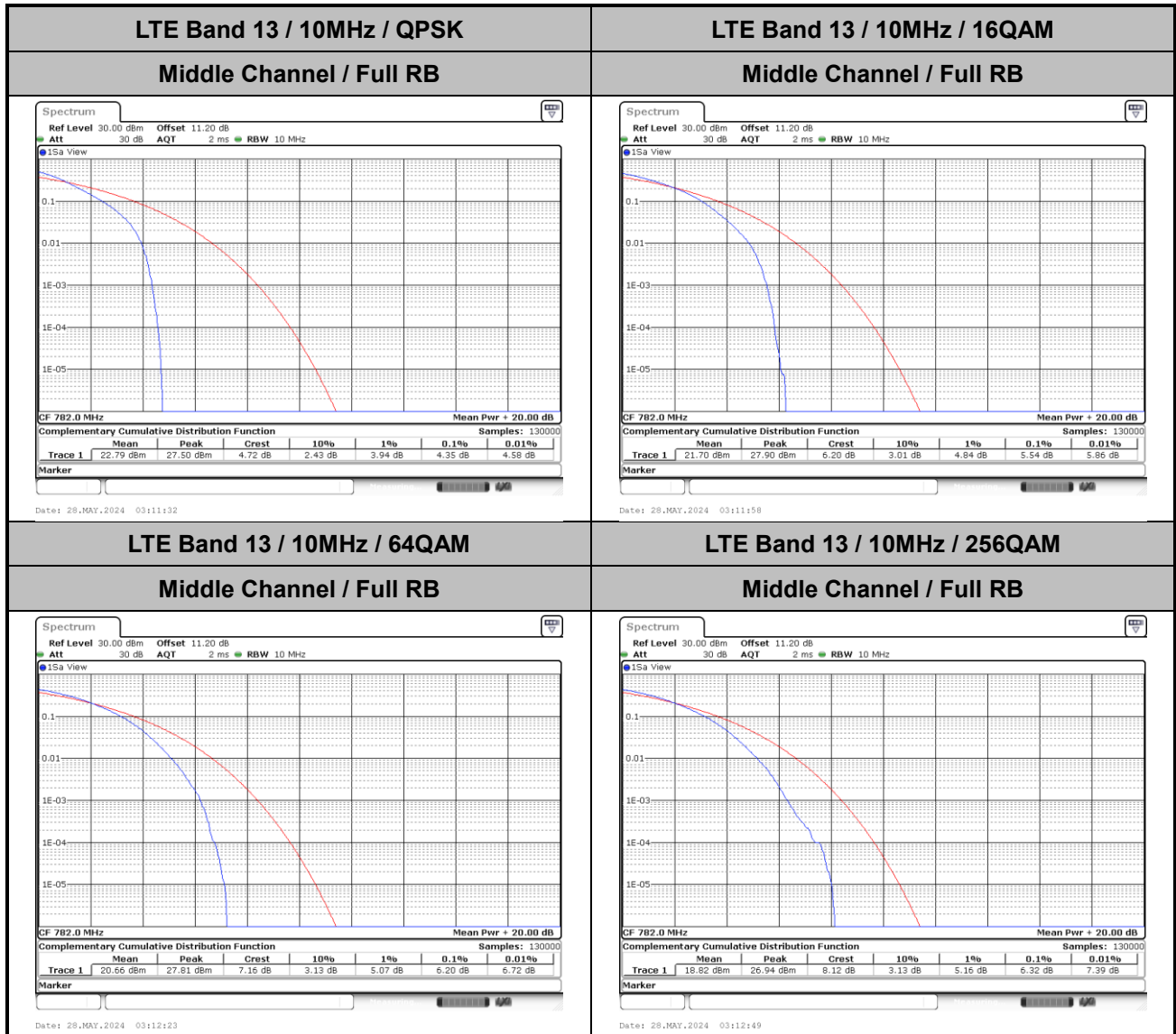
1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 3.465 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.35	5.54	6.20	6.32	PASS



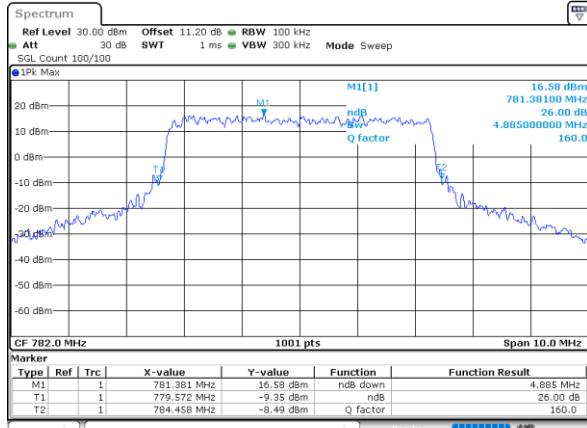
**26dB Bandwidth**

Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.88	4.95	9.89	9.71	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.92	5.06	9.83	9.84	-	-	-	-



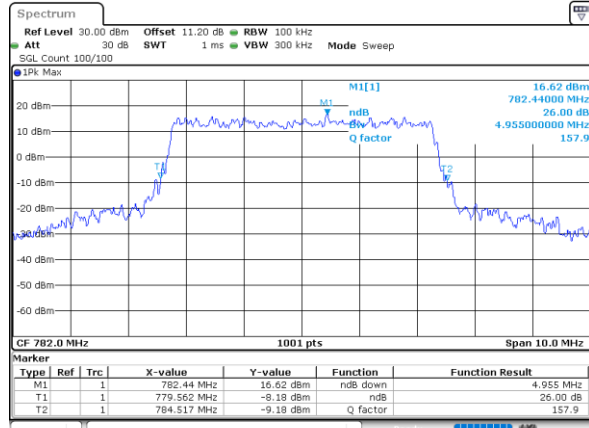
LTE Band 13

Middle Channel / 5MHz / QPSK



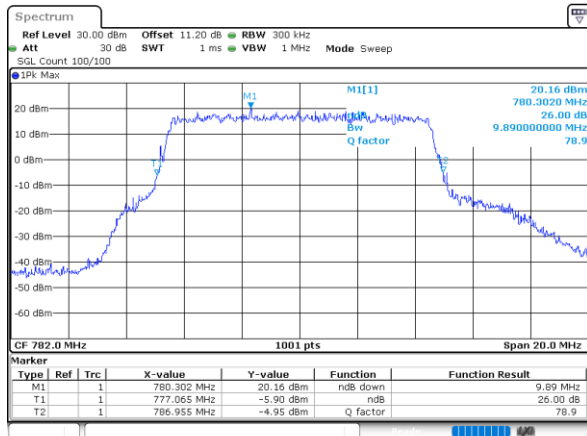
Date: 28.MAY.2024 02:58:13

Middle Channel / 5MHz / 16QAM



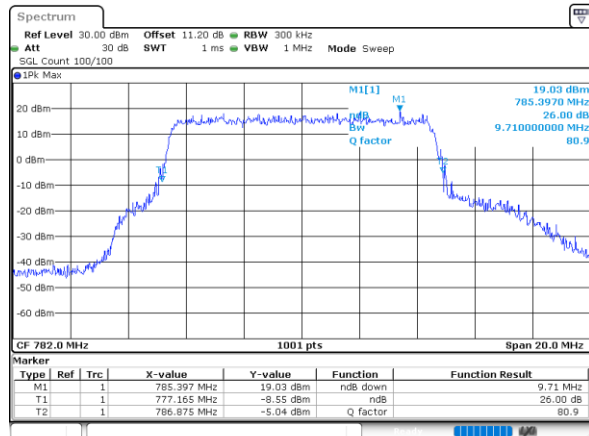
Date: 28.MAY.2024 02:58:13

Middle Channel / 10MHz / QPSK



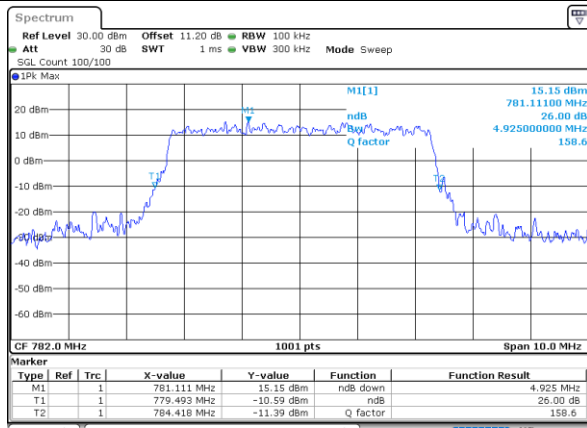
Date: 28.MAY.2024 03:09:52

Middle Channel / 10MHz / 16QAM



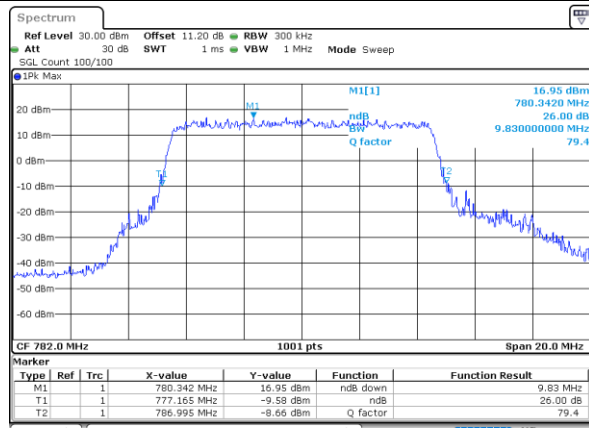
Date: 28.MAY.2024 03:10:17

Middle Channel / 5MHz / 64QAM



Date: 28.MAY.2024 02:59:02

Middle Channel / 10MHz / 64QAM

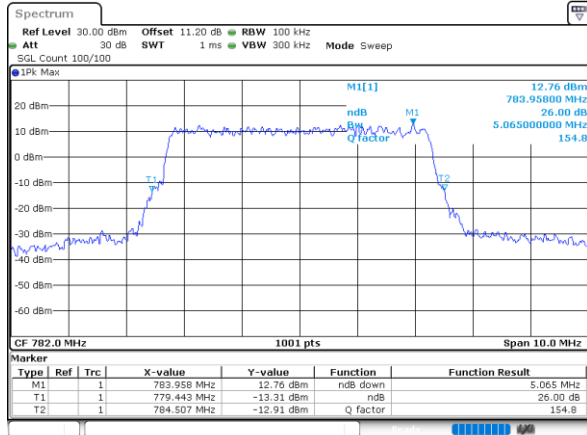


Date: 28.MAY.2024 03:10:42



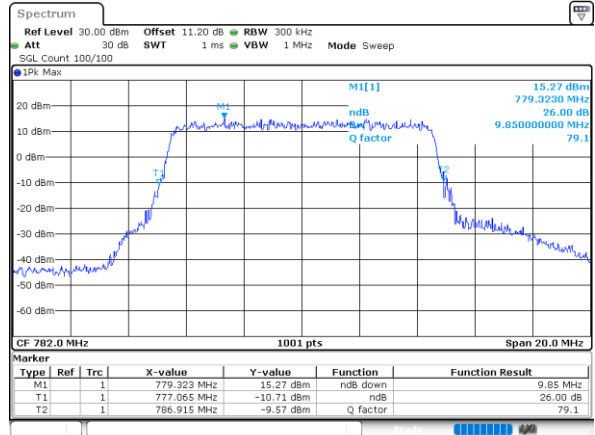
LTE Band 13

Middle Channel / 5MHz / 256QAM



Date: 28.MAY.2024 02:59:27

Middle Channel / 10MHz / 256QAM



Date: 28.MAY.2024 03:11:06

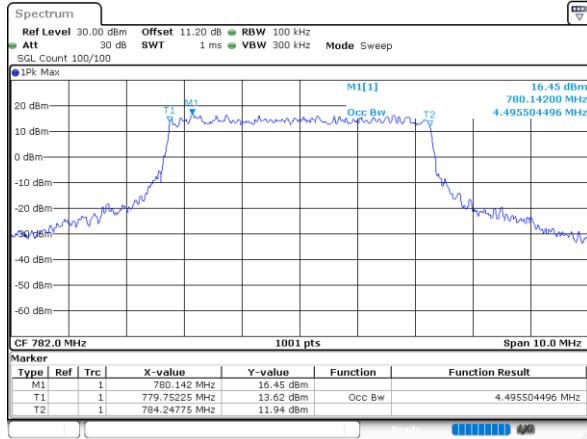
**Occupied Bandwidth**

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.49	4.49	8.99	9.07	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.49	4.48	8.99	9.01	-	-	-	-



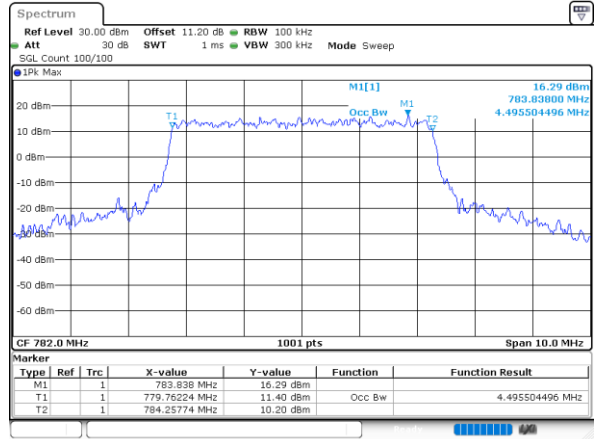
LTE Band 13

Middle Channel / 5MHz / QPSK



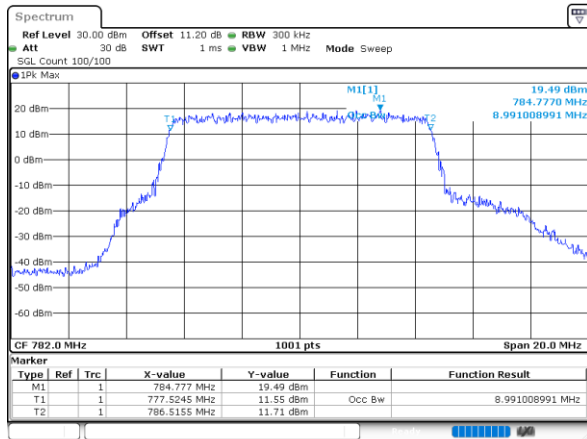
Date: 28.MAY.2024 02:56:35

Middle Channel / 5MHz / 16QAM



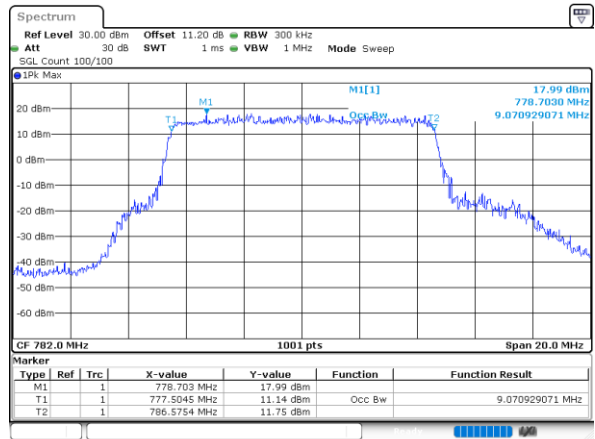
Date: 28.MAY.2024 02:56:59

Middle Channel / 10MHz / QPSK



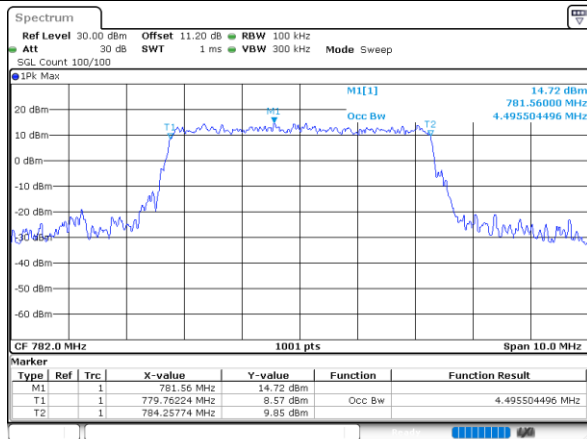
Date: 28.MAY.2024 03:08:14

Middle Channel / 10MHz / 16QAM



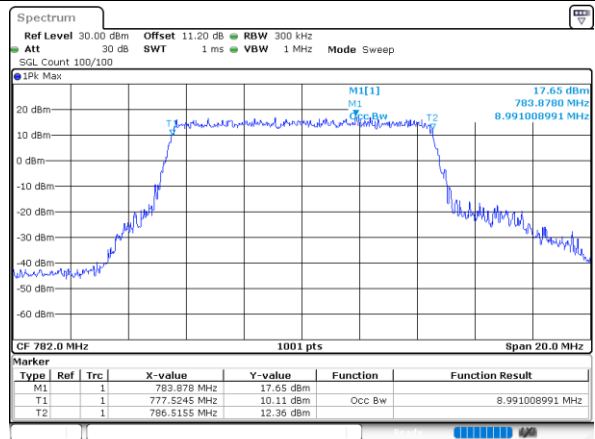
Date: 28.MAY.2024 03:08:39

Middle Channel / 5MHz / 64QAM



Date: 28.MAY.2024 02:57:24

Middle Channel / 10MHz / 64QAM

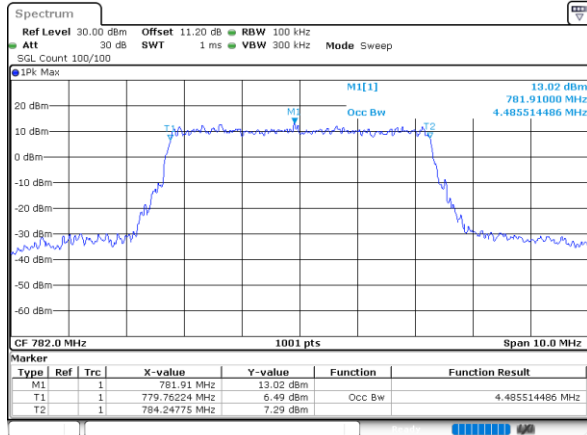


Date: 28.MAY.2024 03:09:03



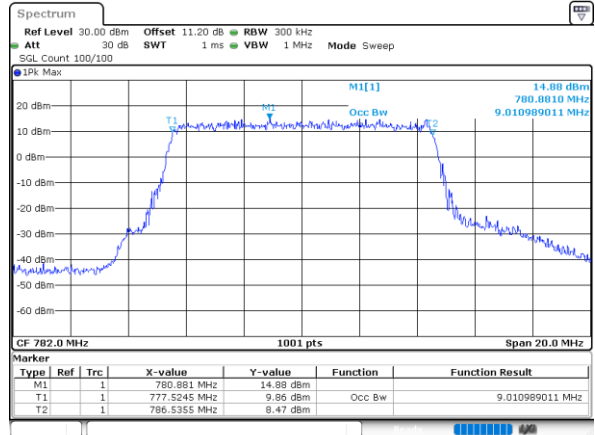
LTE Band 13

Middle Channel / 5MHz / 256QAM

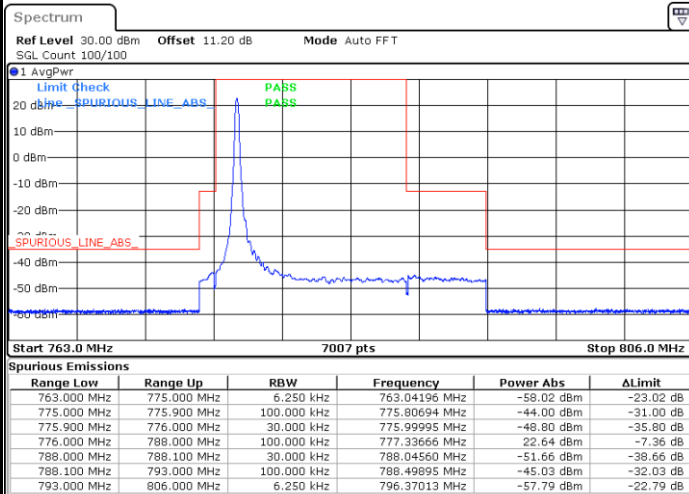
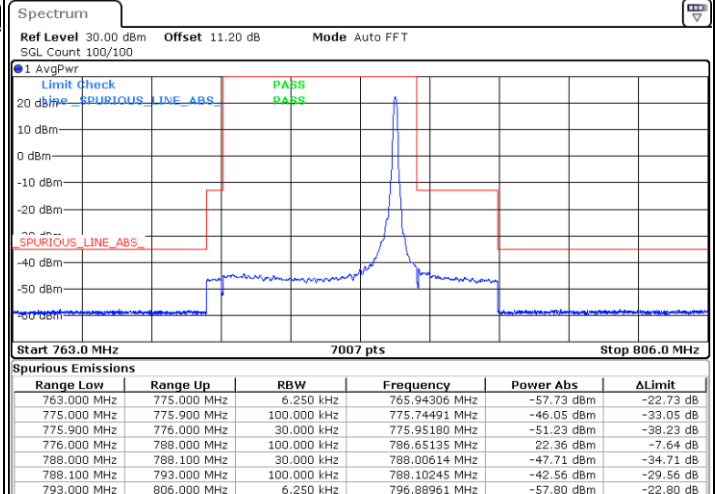
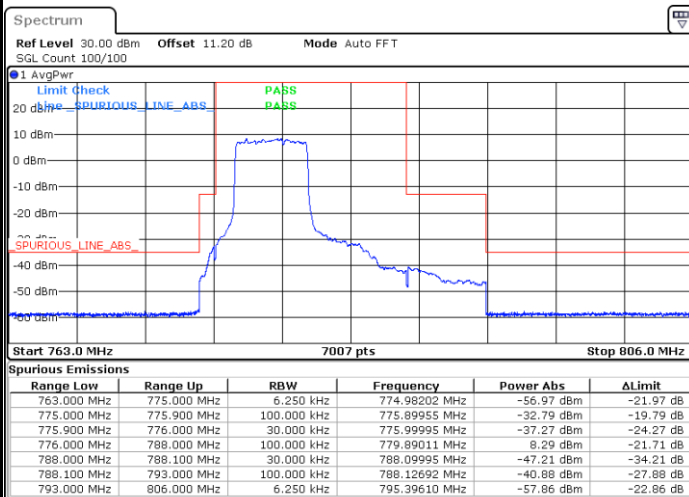
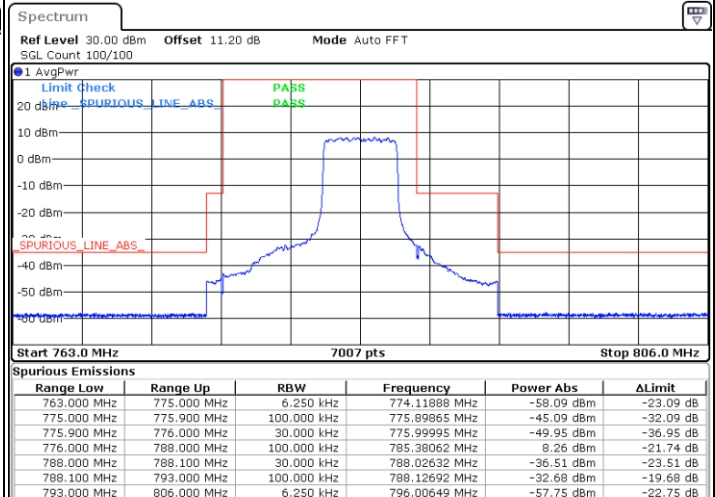


Date: 28.MAY.2024 02:57:49

Middle Channel / 10MHz / 256QAM



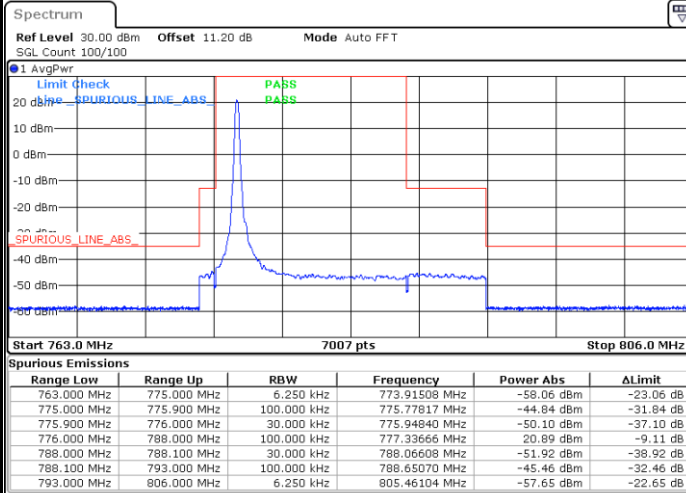
Date: 28.MAY.2024 03:09:28

**Conducted Band Edge****LTE Band 13 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



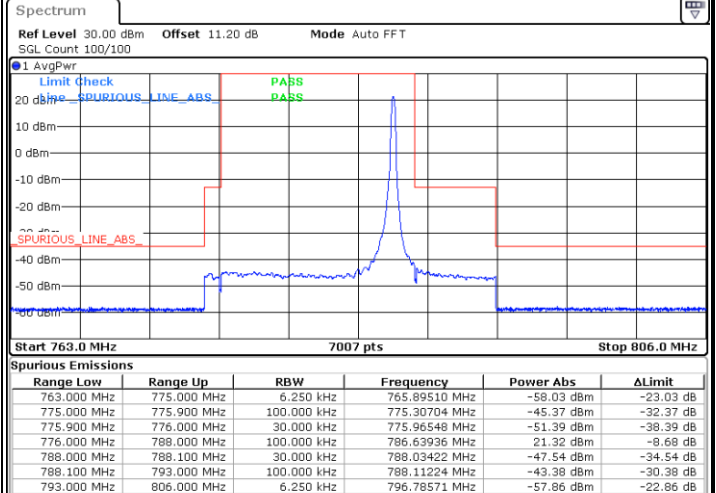
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



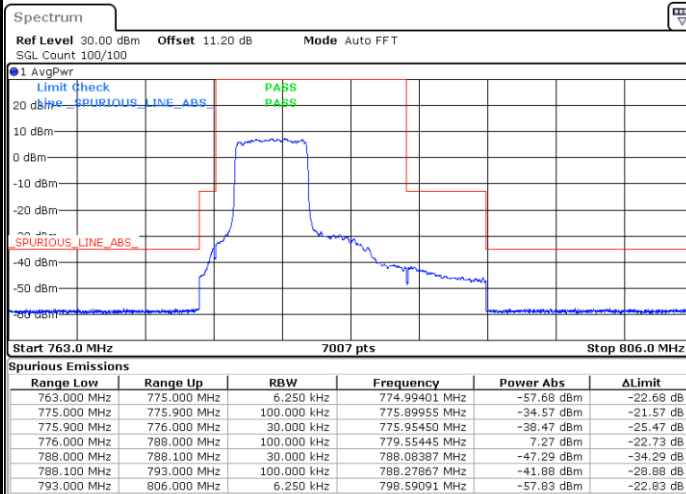
Date: 28.MAY.2024 02:47:02

Highest Band Edge / 1 RB



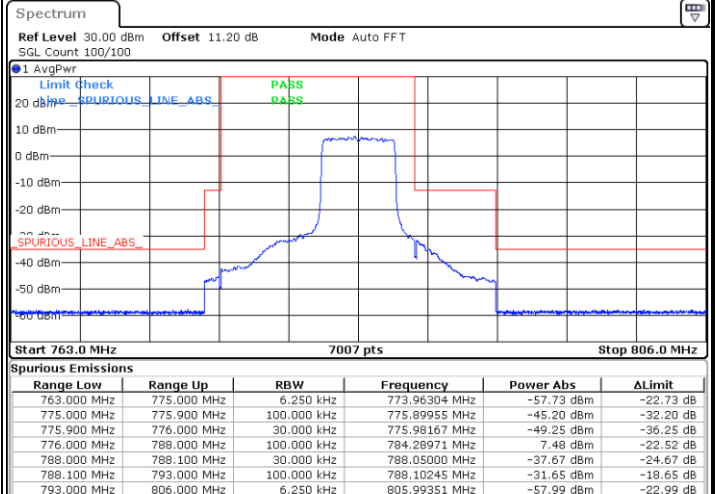
Date: 28.MAY.2024 02:54:21

Lowest Band Edge / Full RB



Date: 28.MAY.2024 02:43:22

Highest Band Edge / Full RB

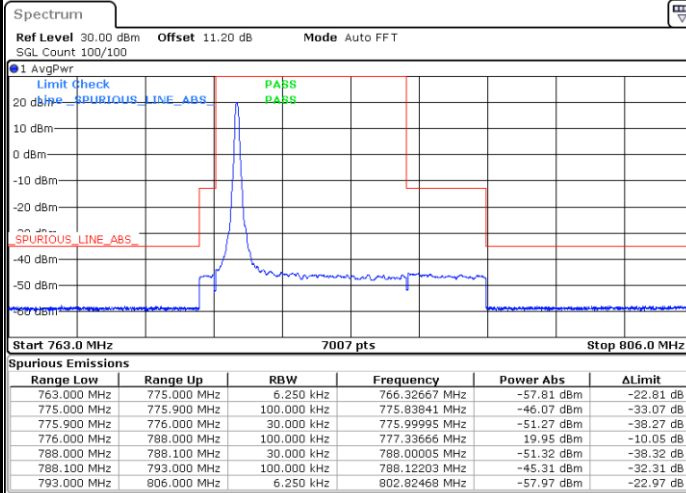


Date: 28.MAY.2024 02:50:41



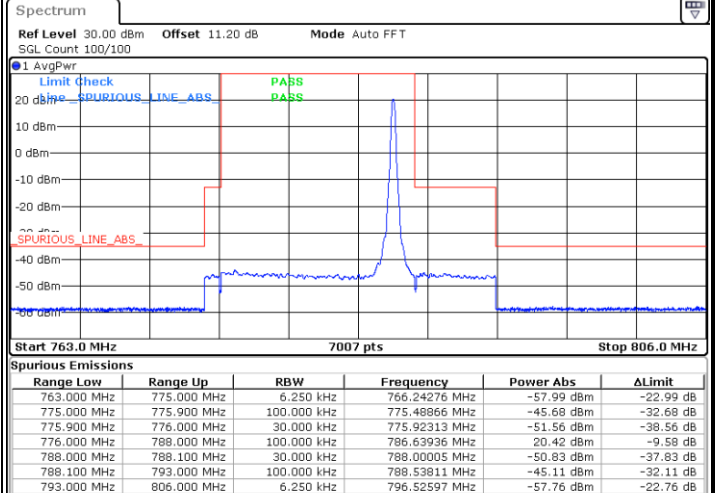
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



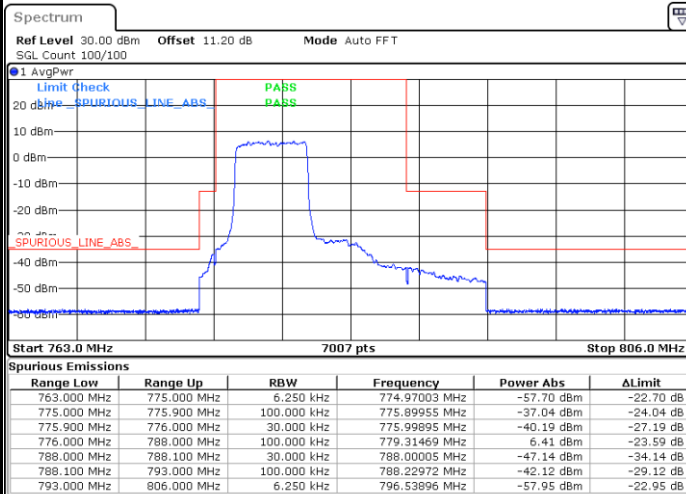
Date: 28.MAY.2024 02:47:56

Highest Band Edge / 1 RB



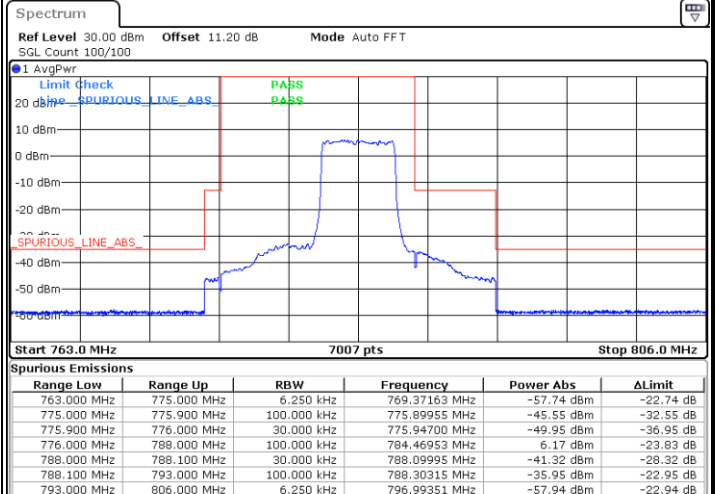
Date: 28.MAY.2024 02:55:15

Lowest Band Edge / Full RB



Date: 28.MAY.2024 02:44:16

Highest Band Edge / Full RB

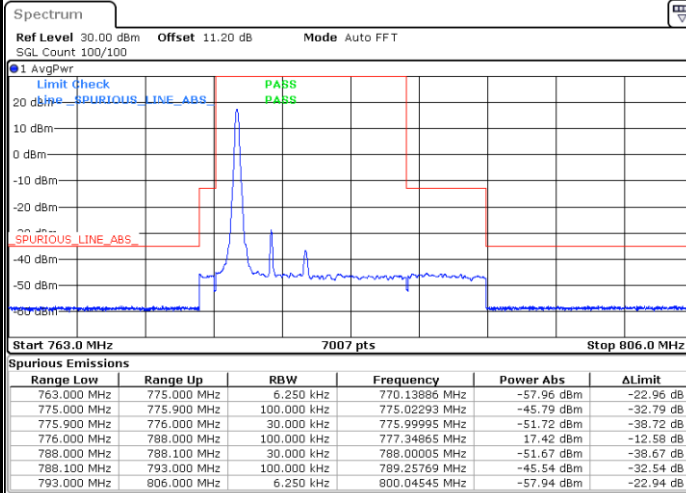


Date: 28.MAY.2024 02:51:35



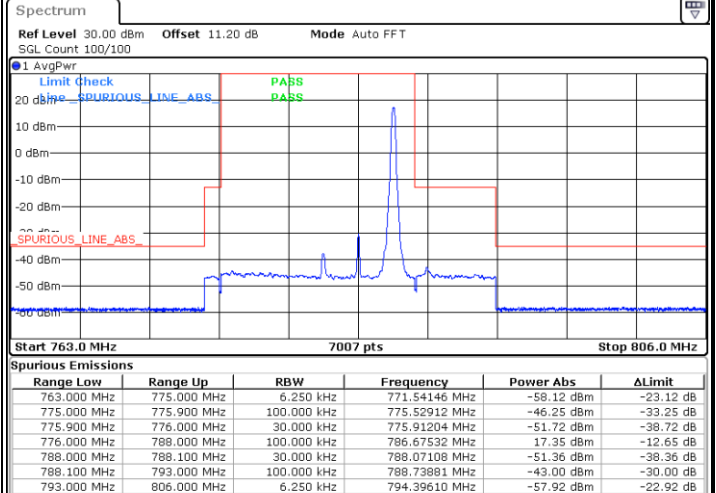
LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



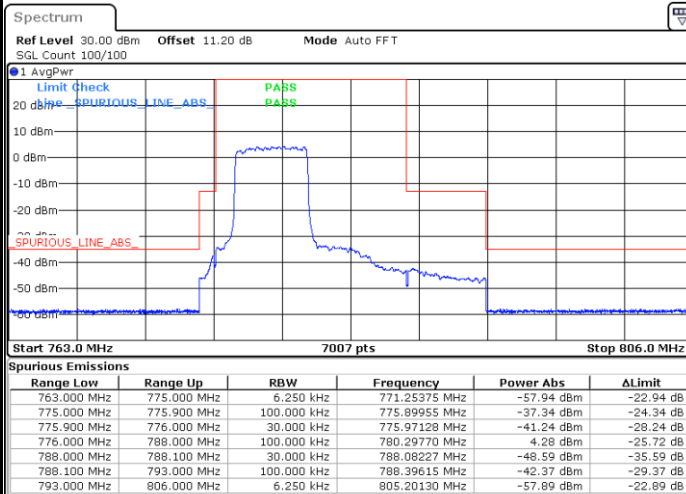
Date: 28.MAY.2024 02:48:50

Highest Band Edge / 1 RB



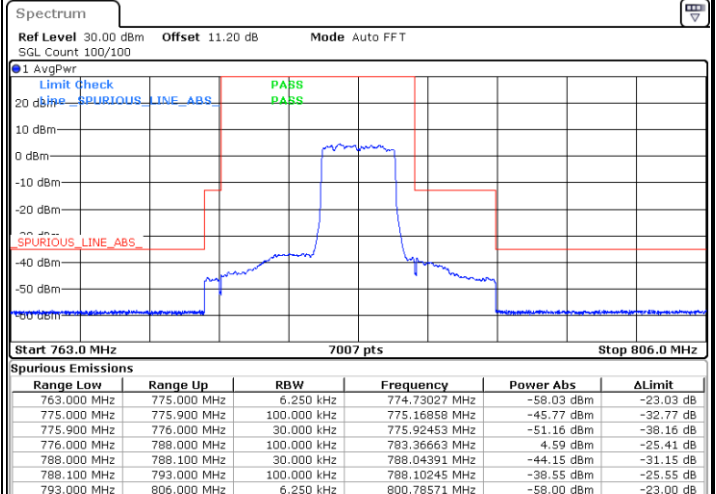
Date: 28.MAY.2024 02:56:09

Lowest Band Edge / Full RB



Date: 28.MAY.2024 02:45:10

Highest Band Edge / Full RB

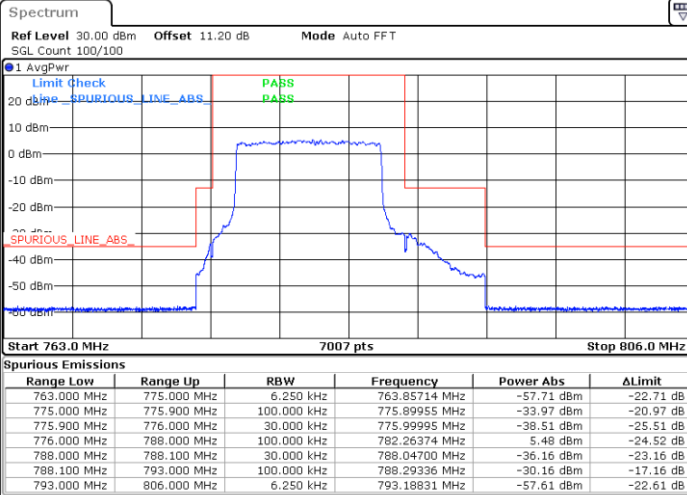


Date: 28.MAY.2024 02:52:30



LTE Band 13 / 10MHz / QPSK

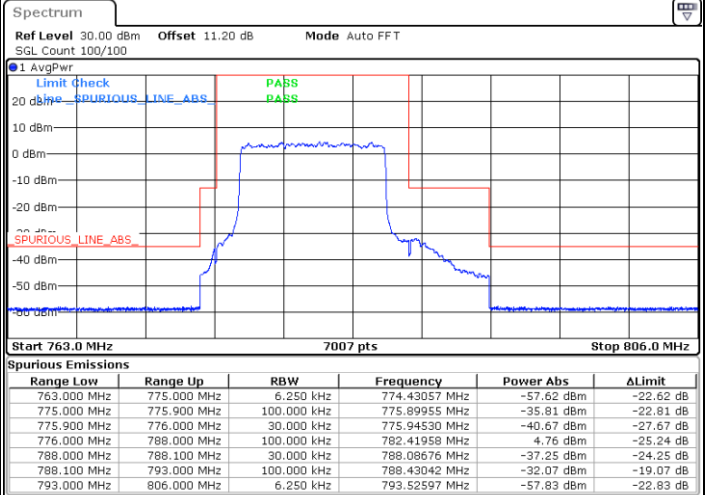
Band Edge / Full RB



Date: 28.MAY.2024 03:05:09

LTE Band 13 / 10MHz / 16QAM

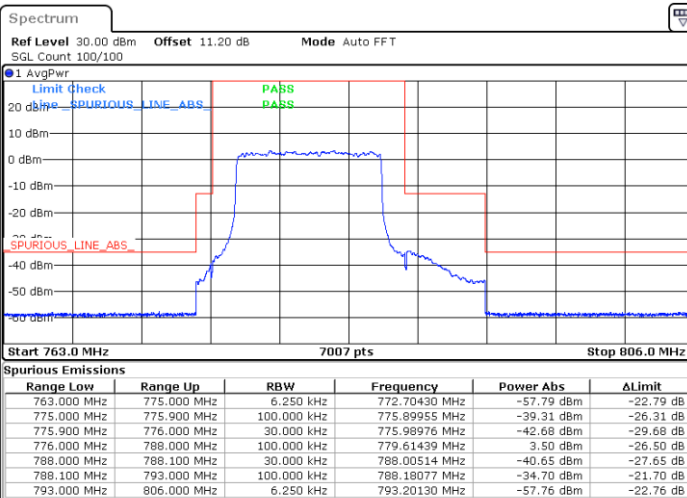
Band Edge / Full RB



Date: 28.MAY.2024 03:06:02

LTE Band 13 / 10MHz / 64QAM

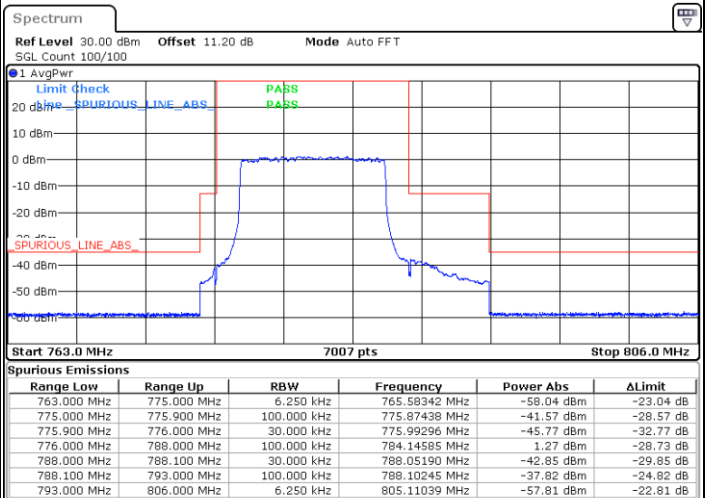
Band Edge / Full RB



Date: 28.MAY.2024 03:06:56

LTE Band 13 / 10MHz / 256QAM

Band Edge / Full RB

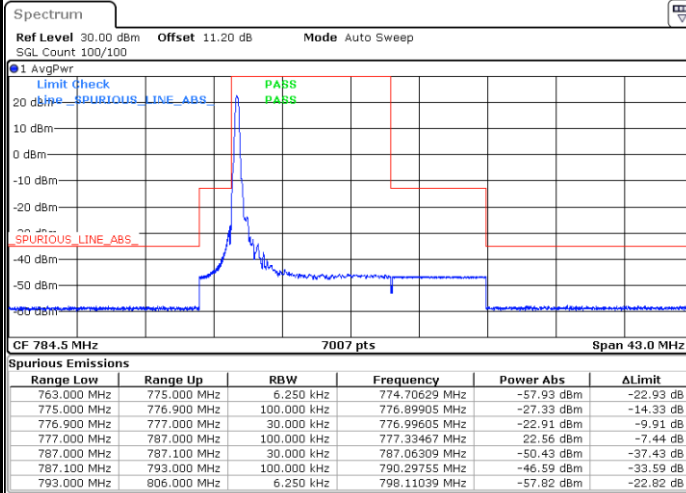


Date: 28.MAY.2024 03:07:49



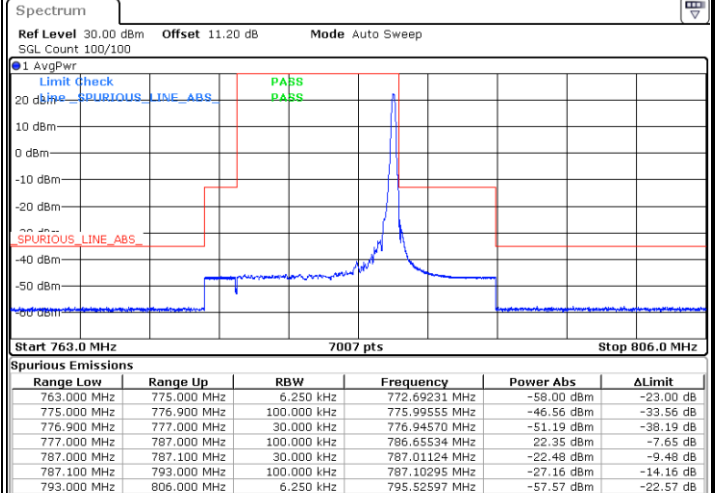
IC LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



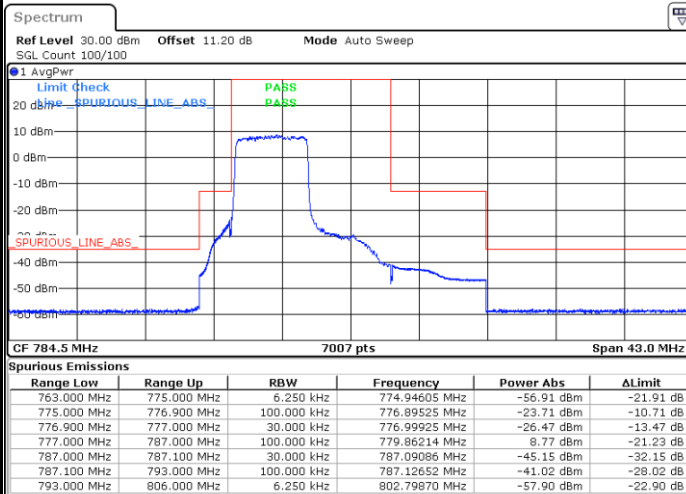
Date: 4 JUN. 2024 15:20:06

Highest Band Edge / 1 RB



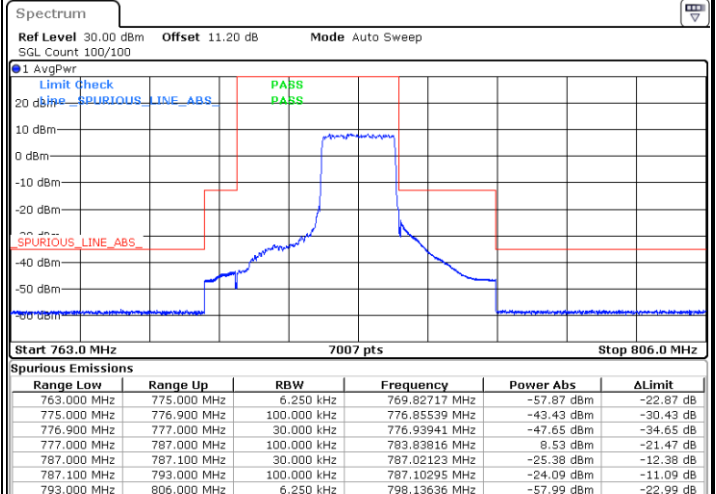
Date: 4 JUN. 2024 15:23:44

Lowest Band Edge / Full RB



Date: 4 JUN. 2024 15:17:23

Highest Band Edge / Full RB

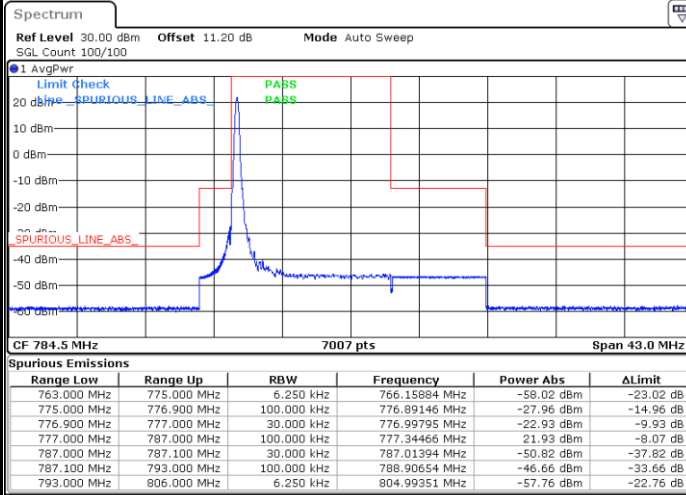


Date: 4 JUN. 2024 15:21:01



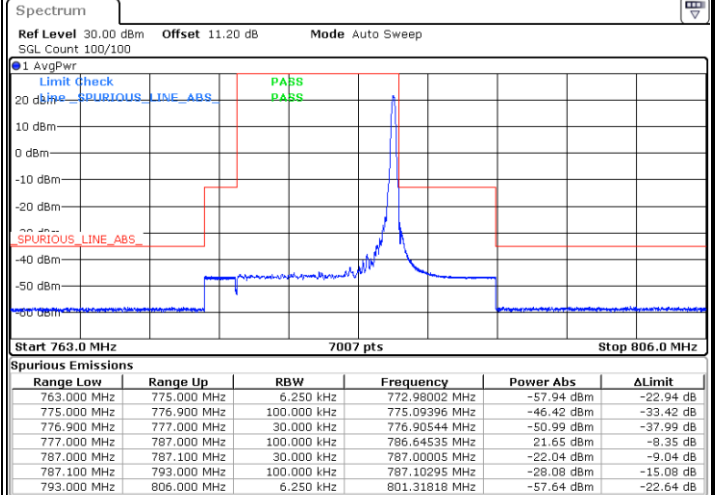
IC LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



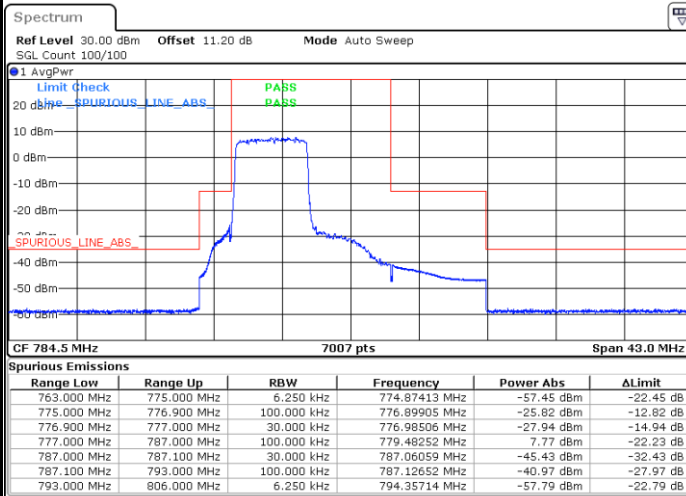
Date: 4 JUN. 2024 15:19:12

Highest Band Edge / 1 RB



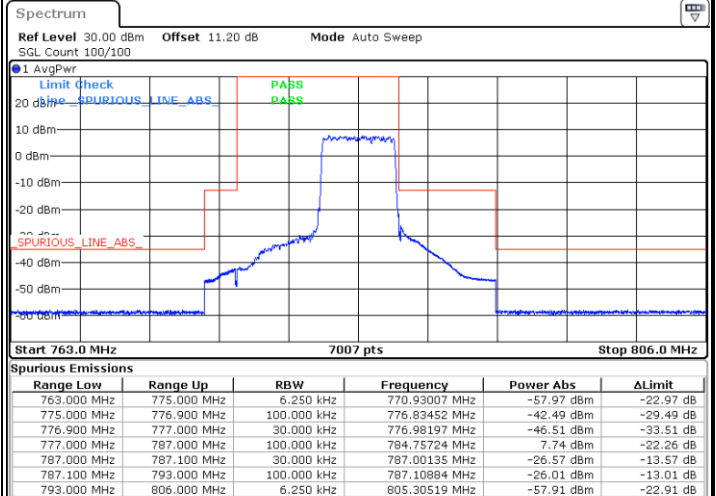
Date: 4 JUN. 2024 15:22:50

Lowest Band Edge / Full RB



Date: 4 JUN. 2024 15:18:17

Highest Band Edge / Full RB

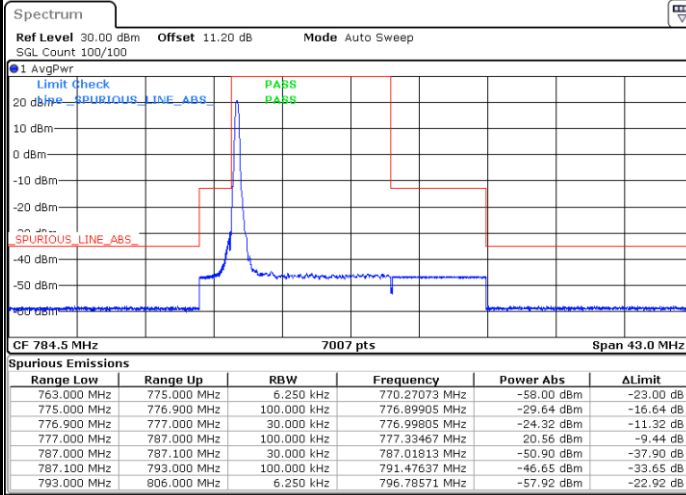


Date: 4 JUN. 2024 15:21:55



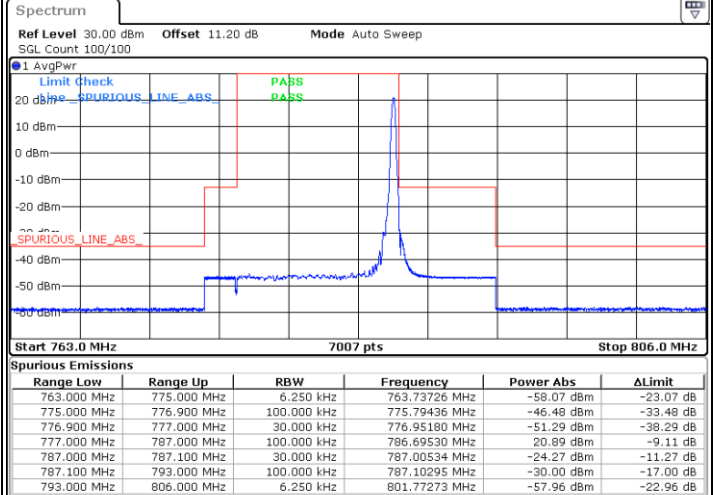
IC LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



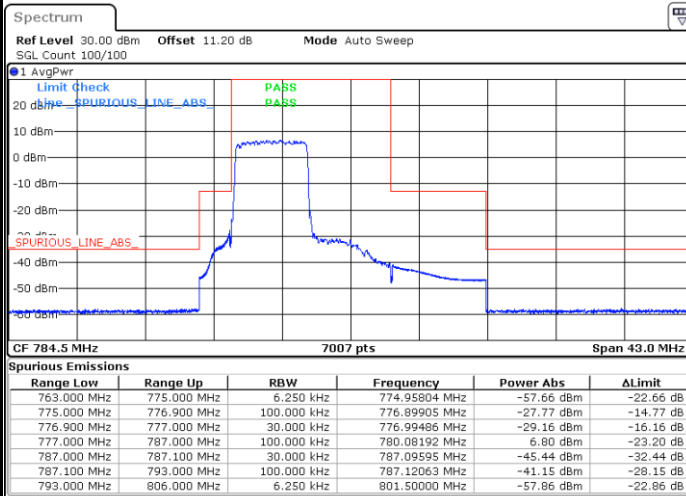
Date: 4 JUN. 2024 15:25:34

Highest Band Edge / 1 RB



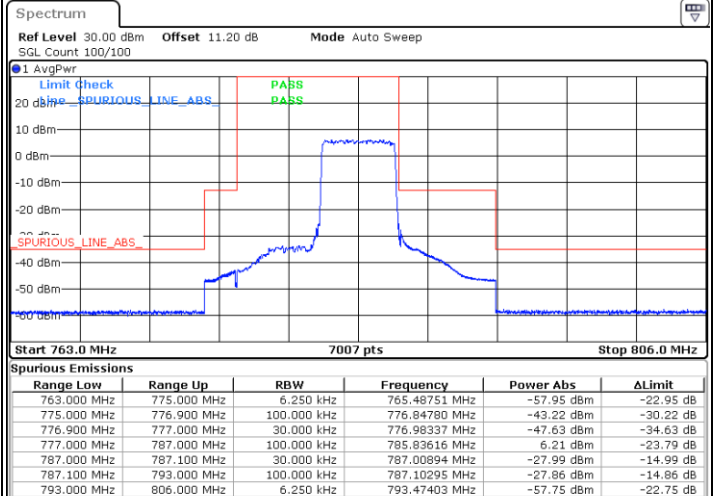
Date: 4 JUN. 2024 15:27:23

Lowest Band Edge / Full RB



Date: 4 JUN. 2024 15:24:39

Highest Band Edge / Full RB

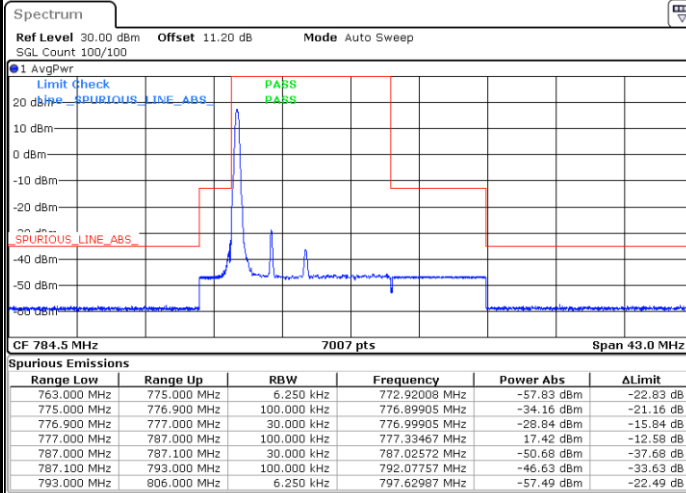


Date: 4 JUN. 2024 15:26:28



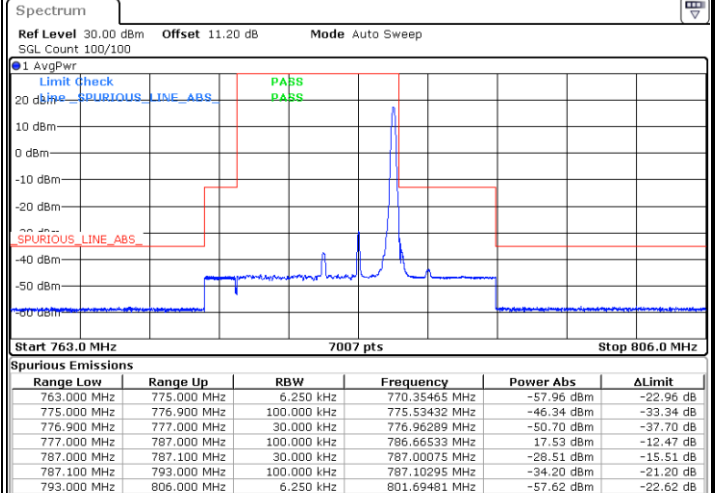
IC LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



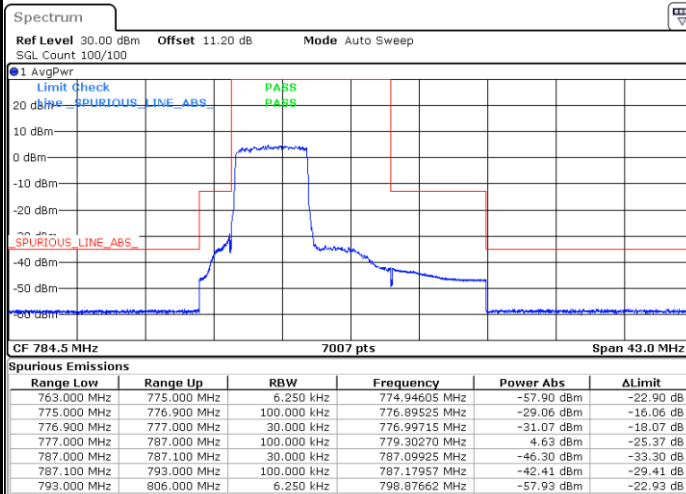
Date: 4 JUN. 2024 15:34:33

Highest Band Edge / 1 RB



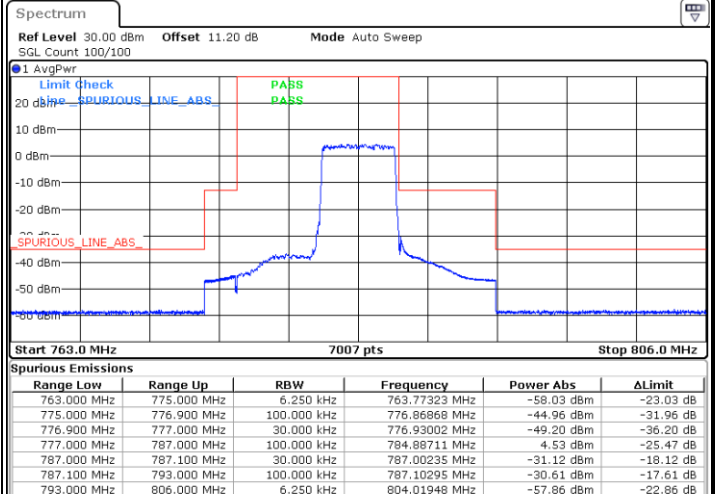
Date: 4 JUN. 2024 15:36:27

Lowest Band Edge / Full RB



Date: 4 JUN. 2024 15:33:35

Highest Band Edge / Full RB



Date: 4 JUN. 2024 15:35:30