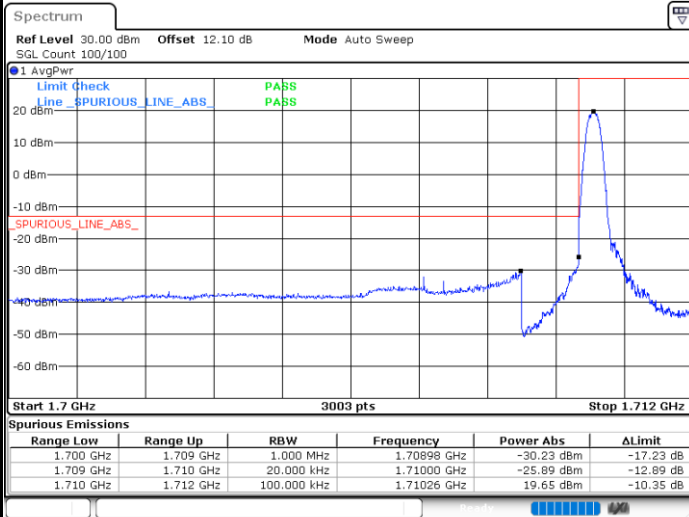




LTE Band 4 / 1.4MHz / 64QAM

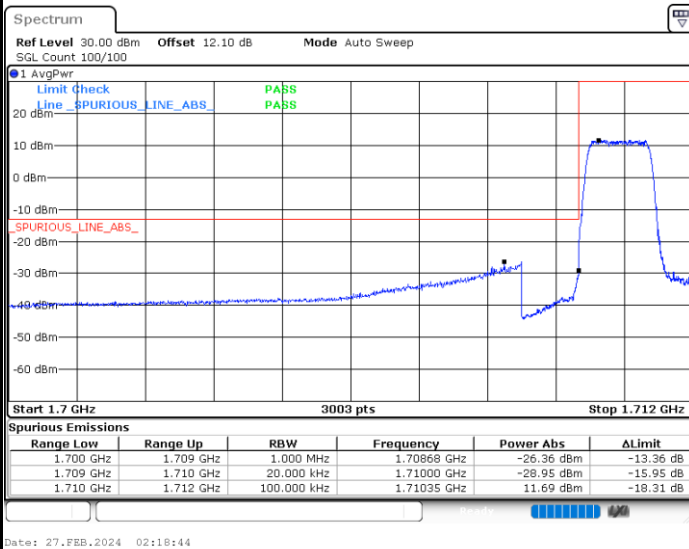
Lowest Band Edge / 1 RB



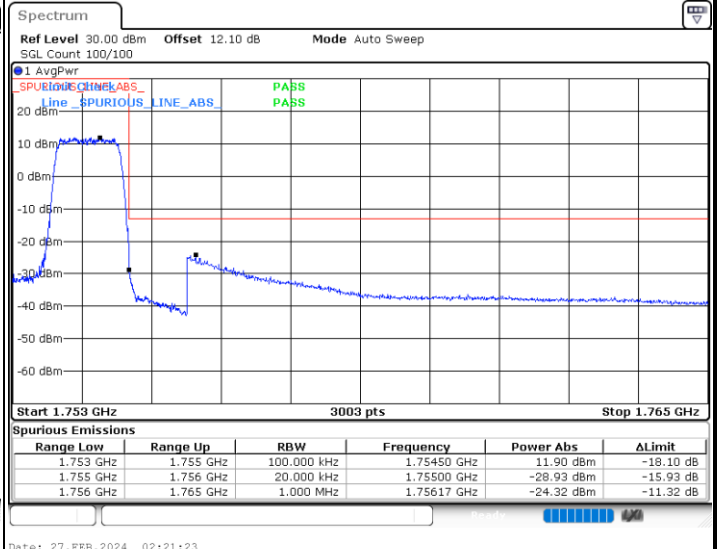
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



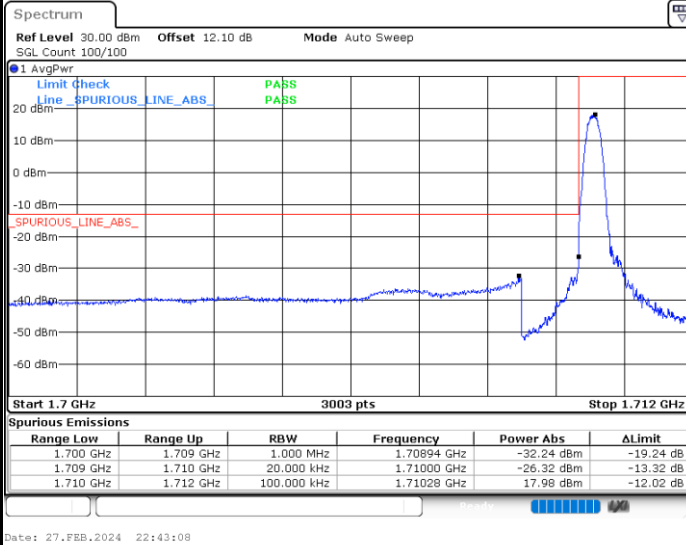
Highest Band Edge / Full RB



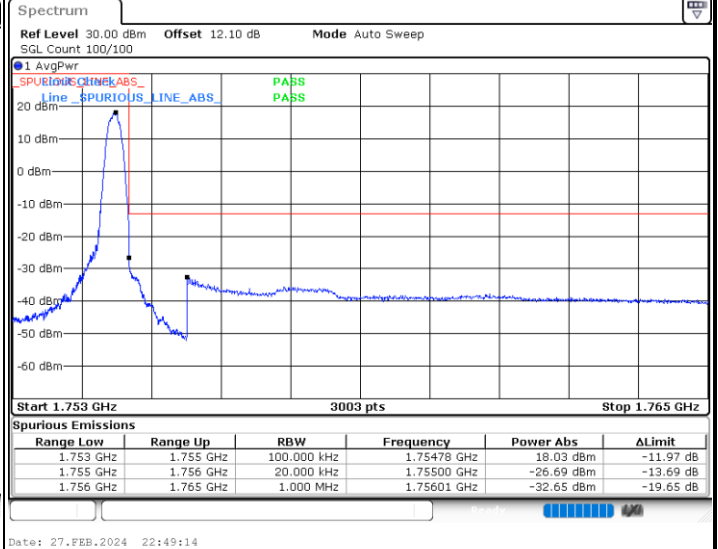


LTE Band 4 / 1.4MHz / 256QAM

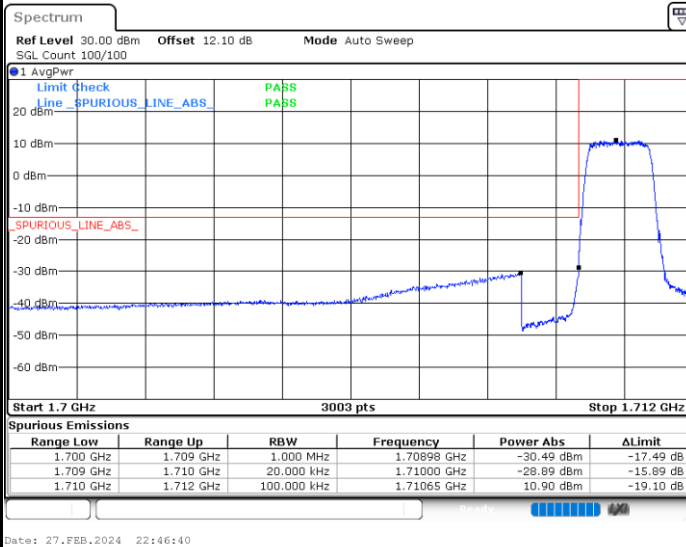
Lowest Band Edge / 1 RB



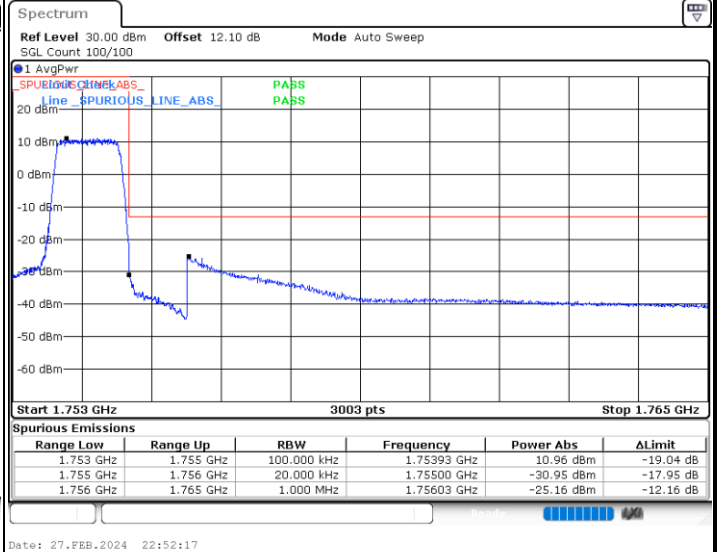
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



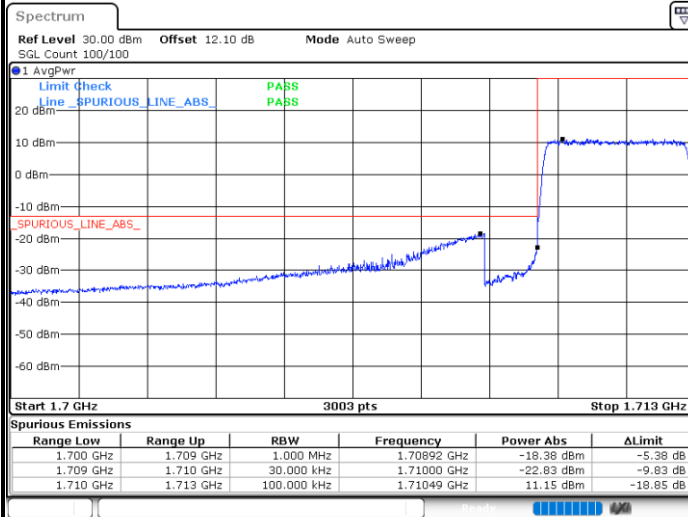
Highest Band Edge / Full RB



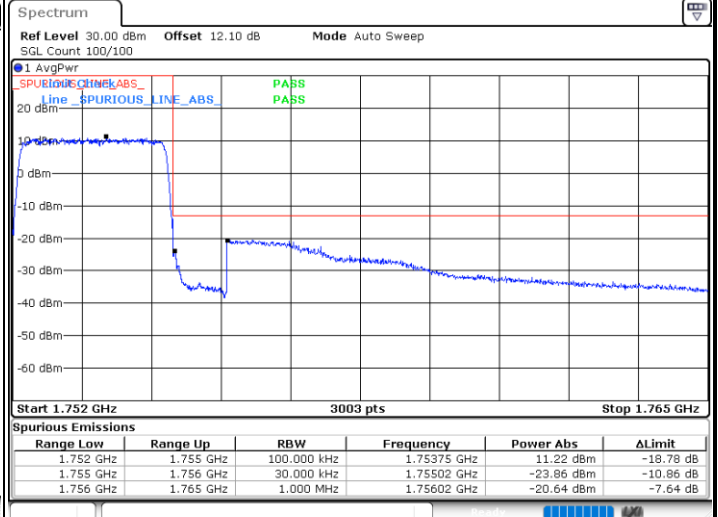


LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / Full RB

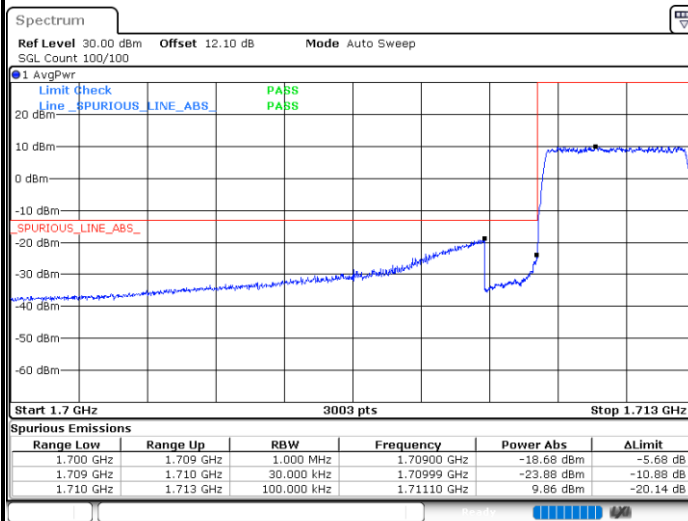


Highest Band Edge / Full RB

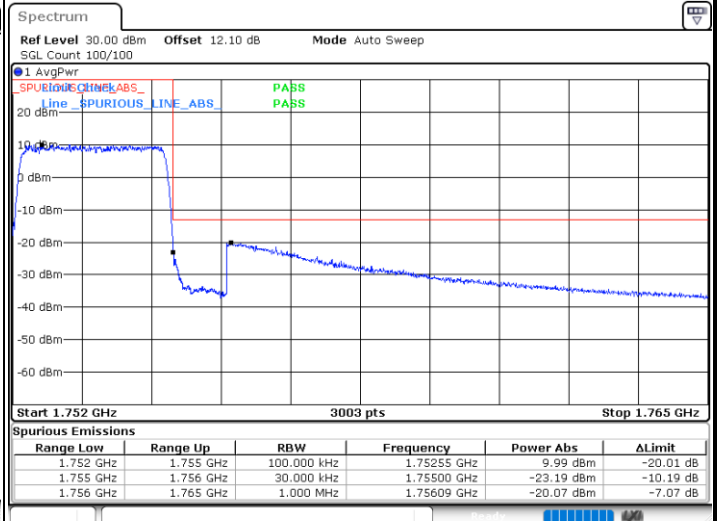


LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / Full RB



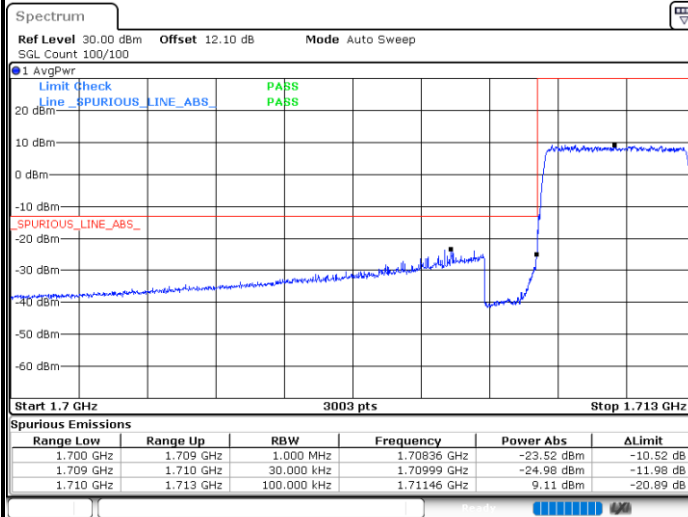
Highest Band Edge / Full RB





LTE Band 4 / 3MHz / 64QAM

Lowest Band Edge / Full RB

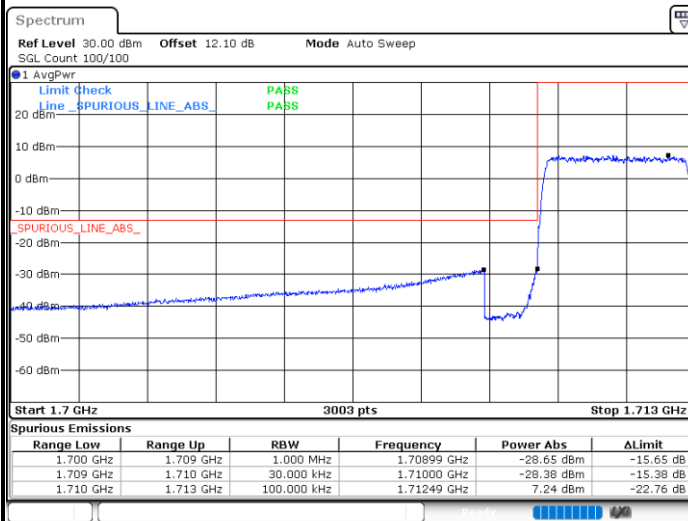


Highest Band Edge / Full RB

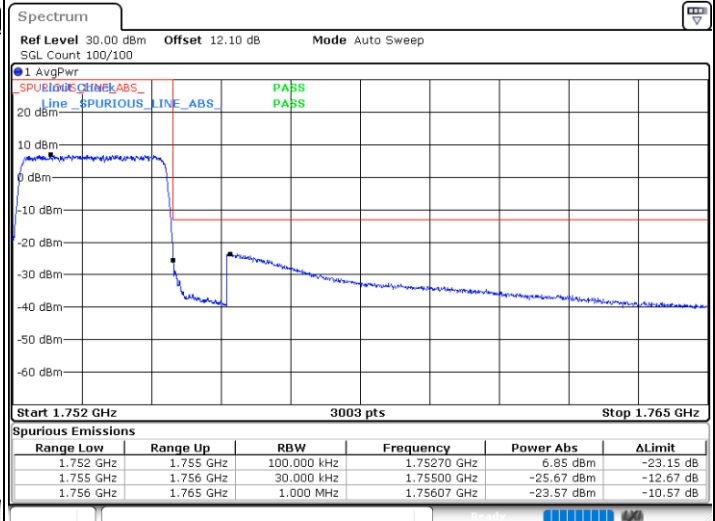


LTE Band 4 / 3MHz / 256QAM

Lowest Band Edge / Full RB



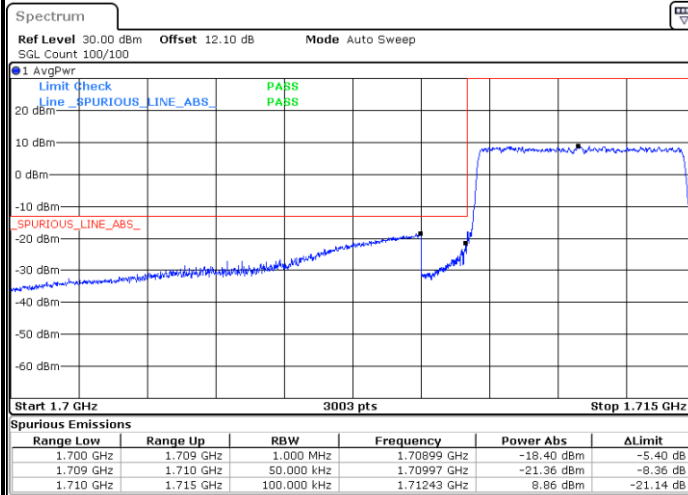
Highest Band Edge / Full RB



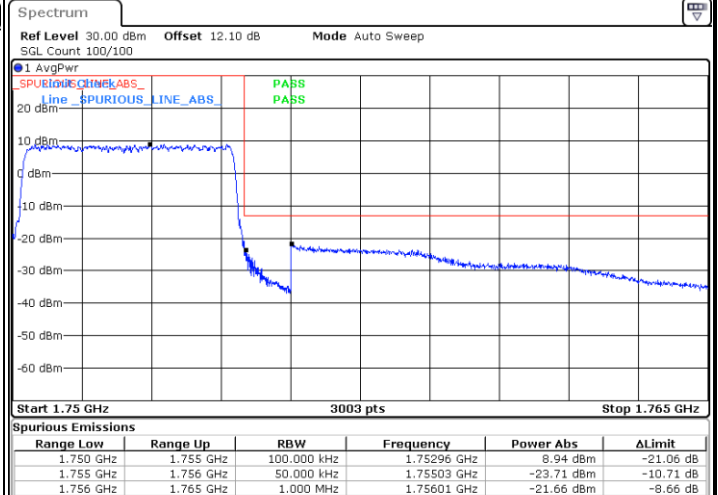


LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / Full RB

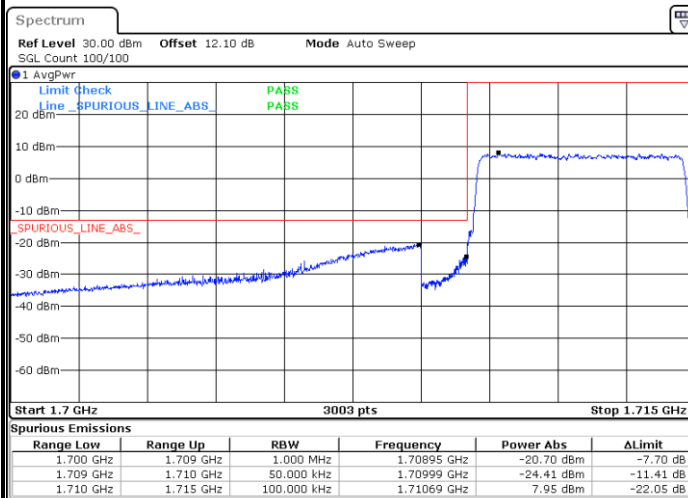


Highest Band Edge / Full RB

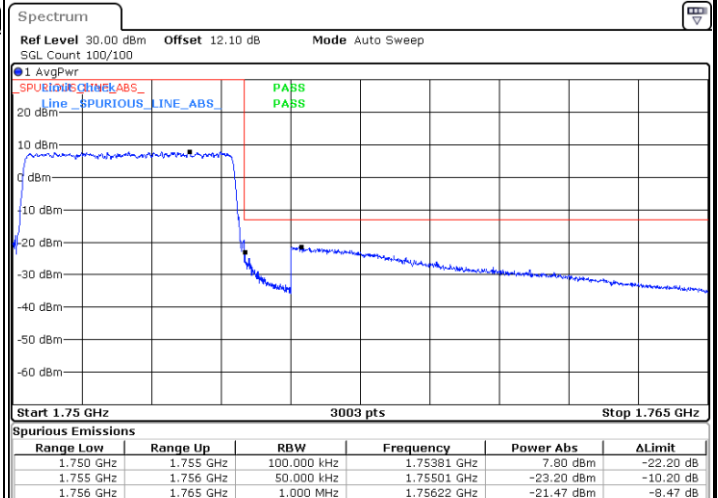


LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / Full RB



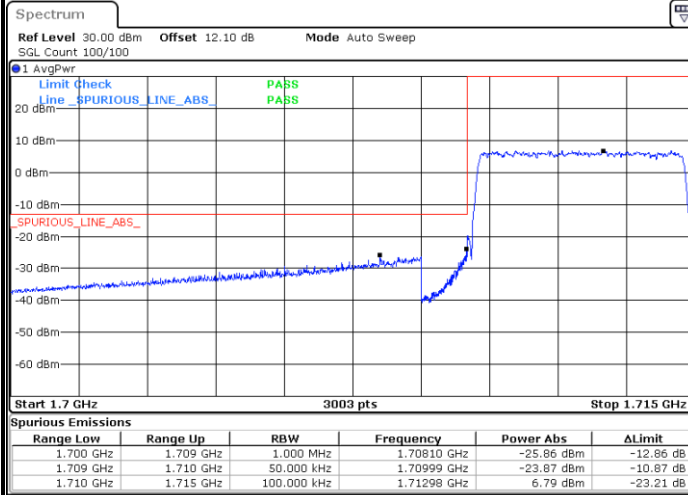
Highest Band Edge / Full RB



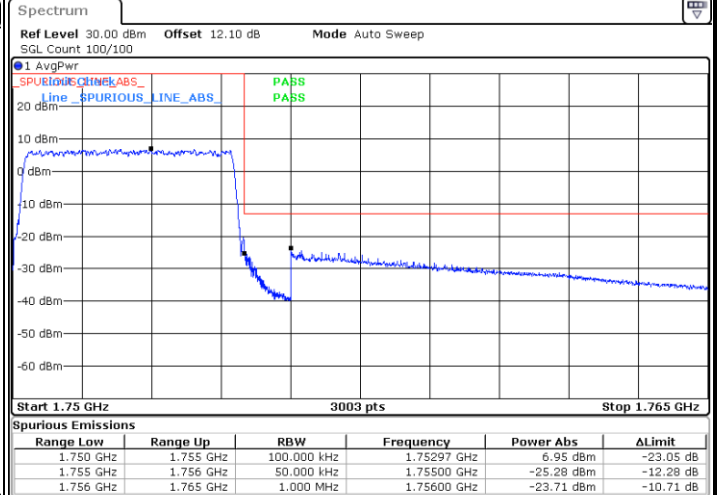


LTE Band 4 / 5MHz / 64QAM

Lowest Band Edge / Full RB

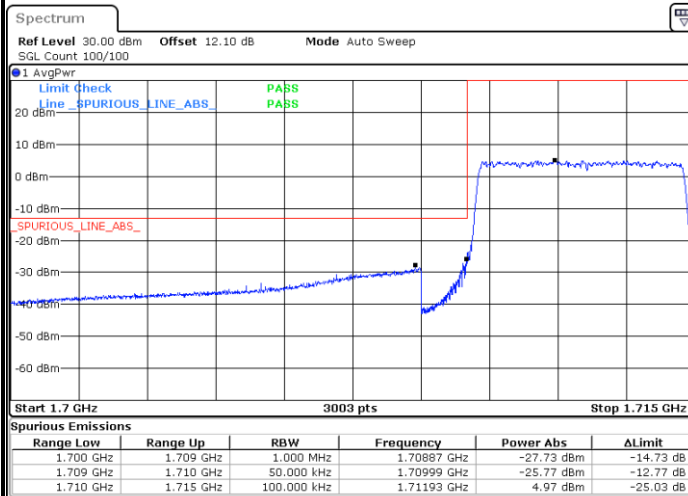


Highest Band Edge / Full RB

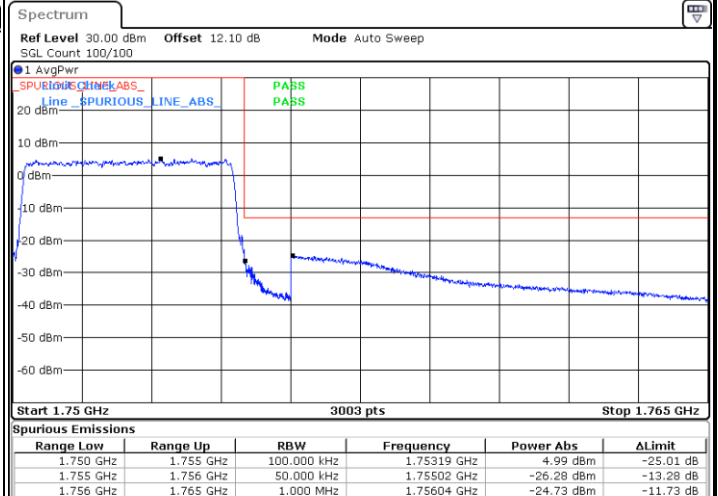


LTE Band 4 / 5MHz / 256QAM

Lowest Band Edge / Full RB



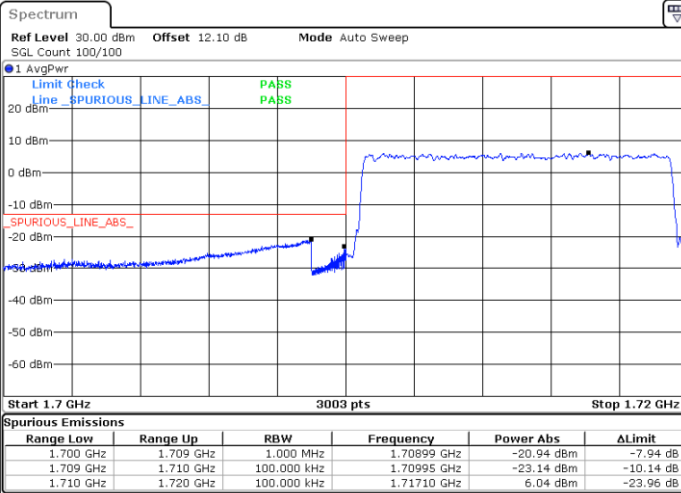
Highest Band Edge / Full RB



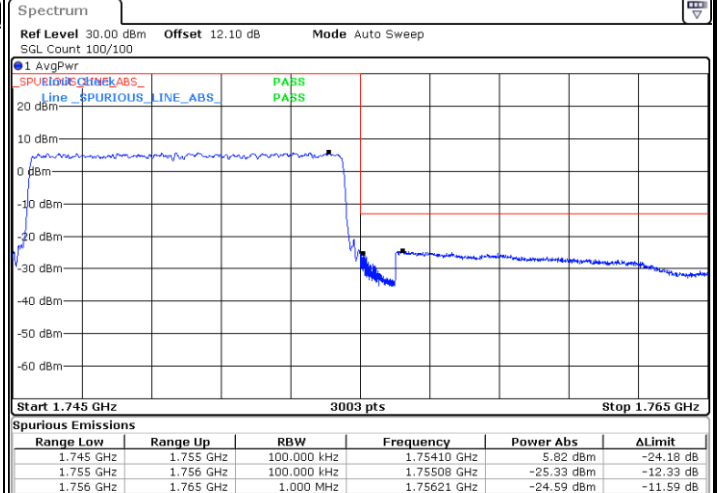


LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / Full RB

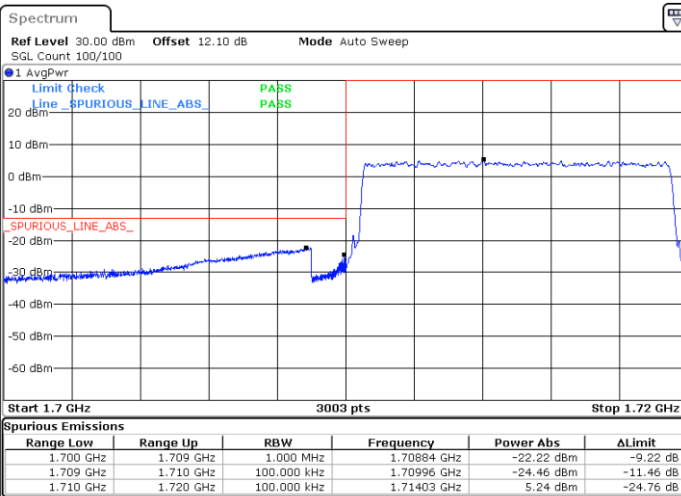


Highest Band Edge / Full RB

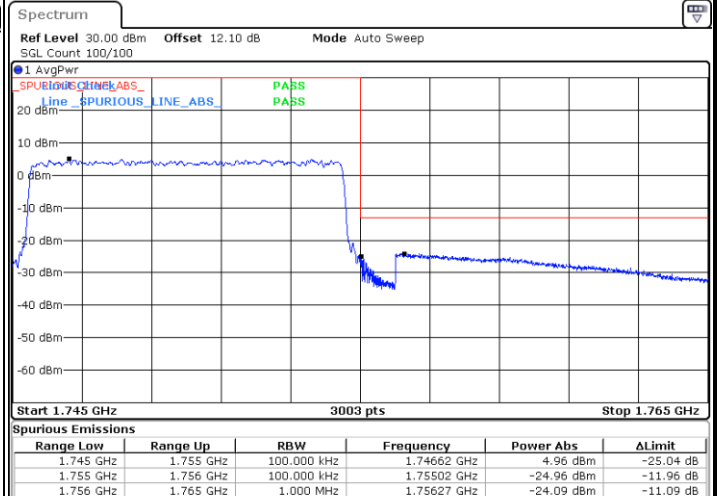


LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / Full RB



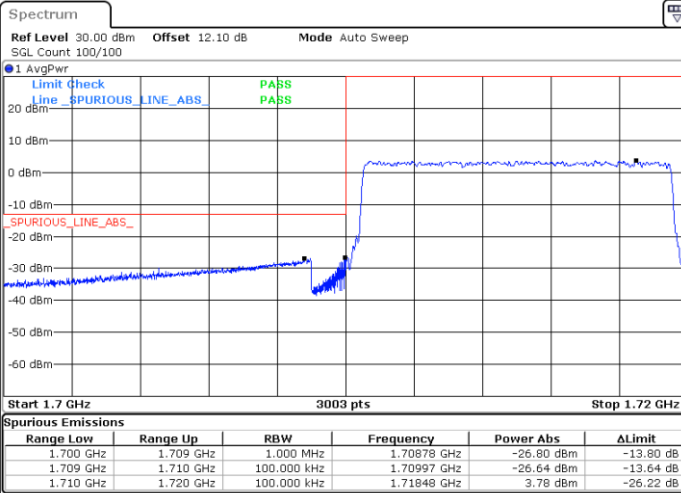
Highest Band Edge / Full RB



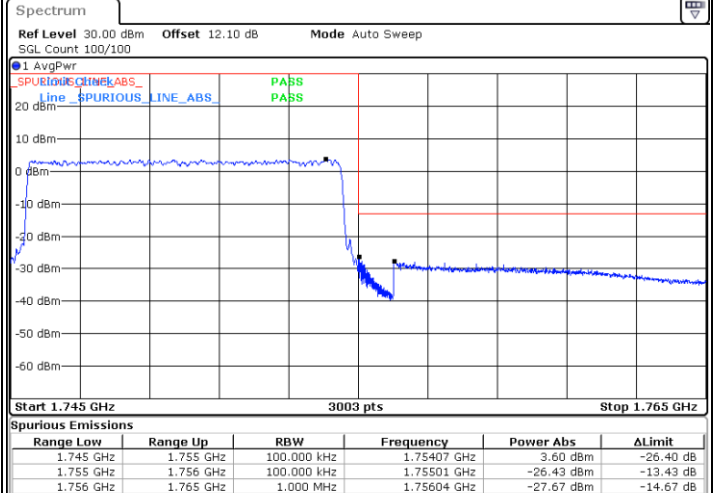


LTE Band 4 / 10MHz / 64QAM

Lowest Band Edge / Full RB

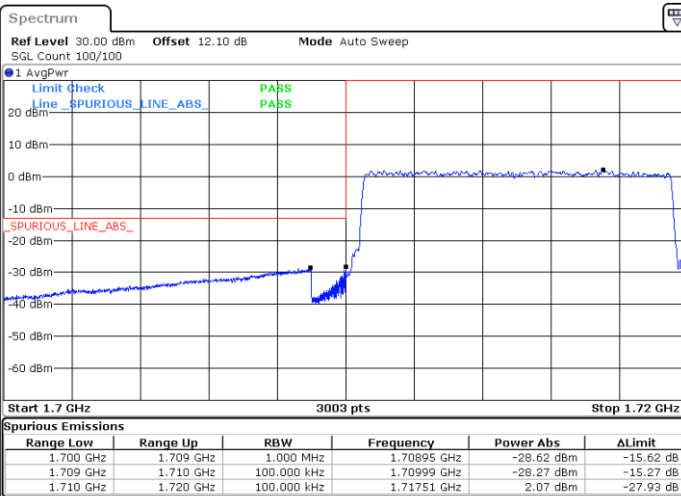


Highest Band Edge / Full RB

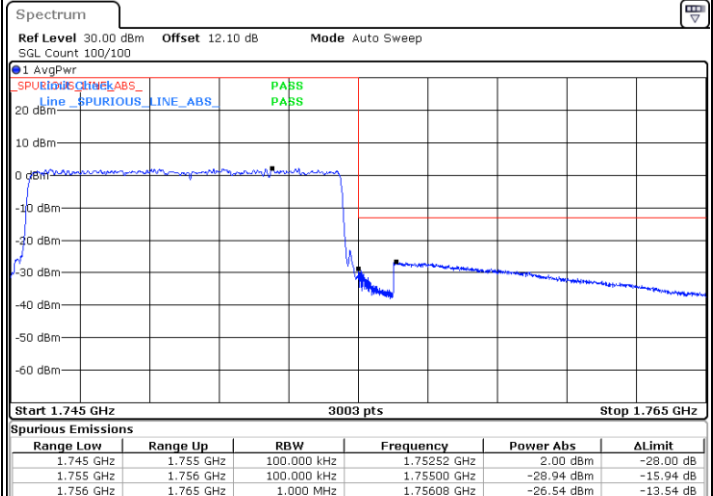


LTE Band 4 / 10MHz / 256QAM

Lowest Band Edge / Full RB



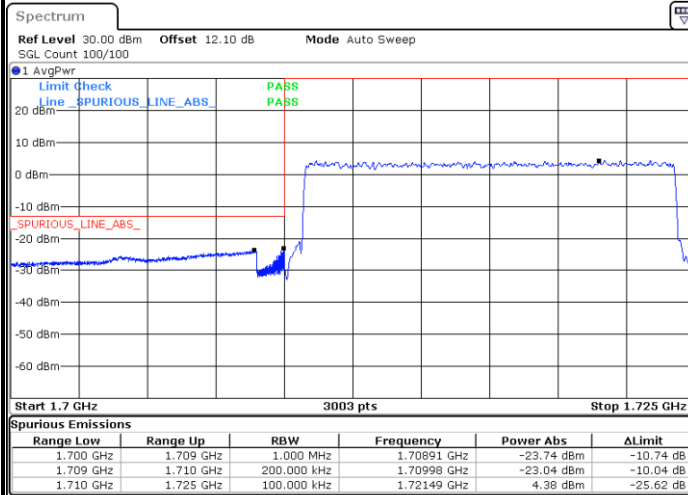
Highest Band Edge / Full RB



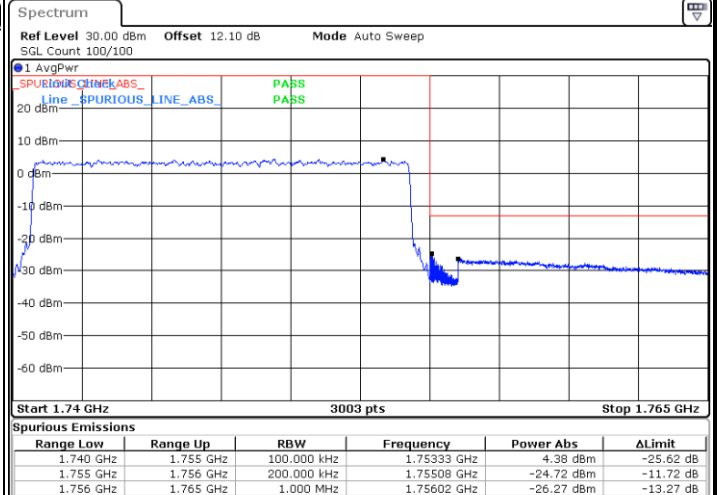


LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / Full RB

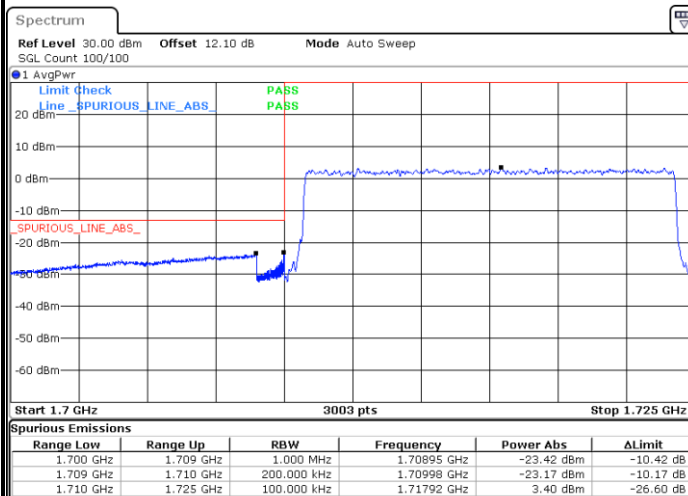


Highest Band Edge / Full RB

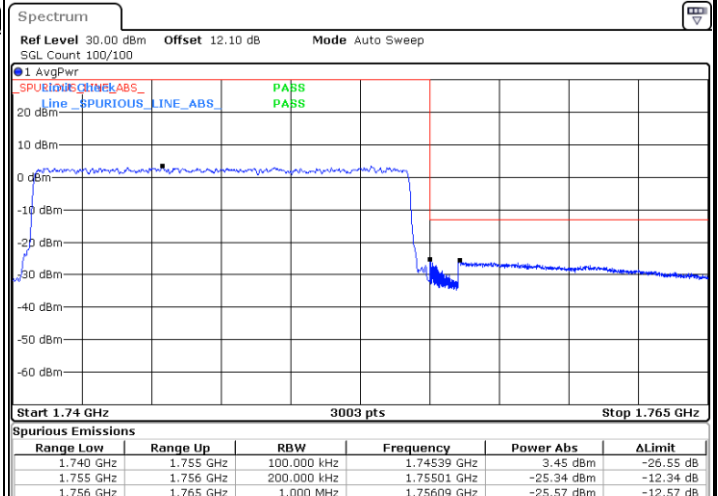


LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / Full RB



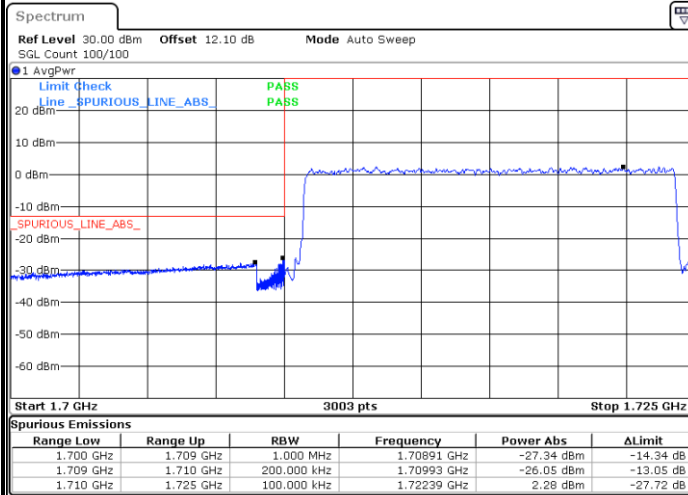
Highest Band Edge / Full RB



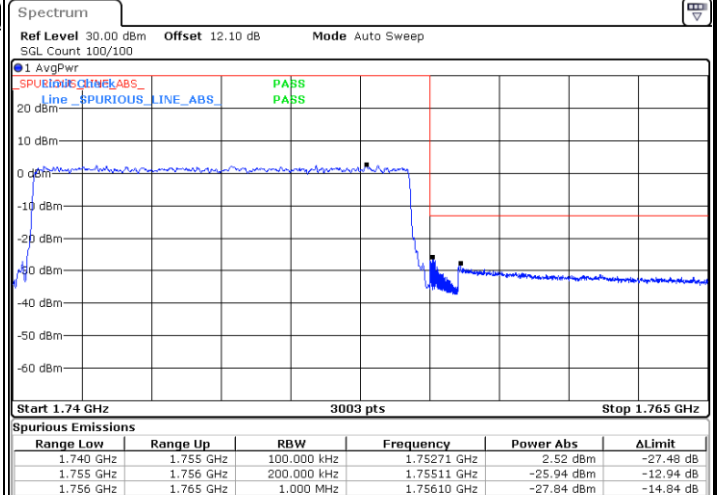


LTE Band 4 / 15MHz / 64QAM

Lowest Band Edge / Full RB

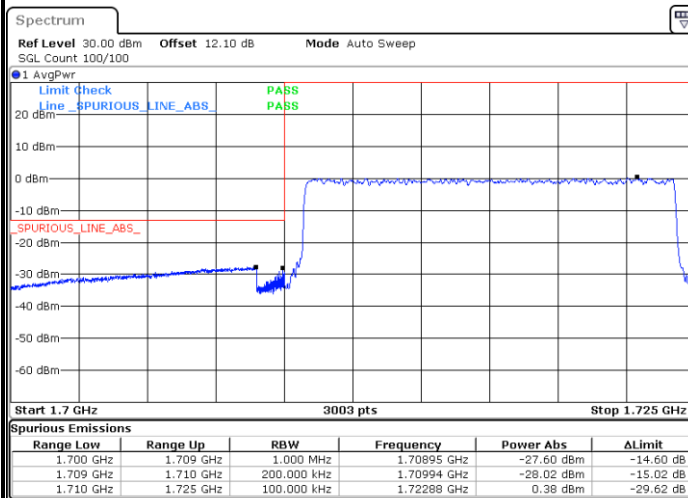


Highest Band Edge / Full RB

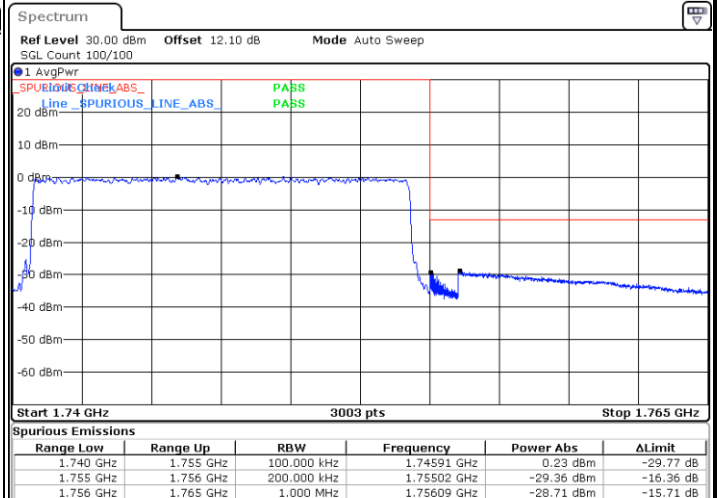


LTE Band 4 / 15MHz / 256QAM

Lowest Band Edge / Full RB



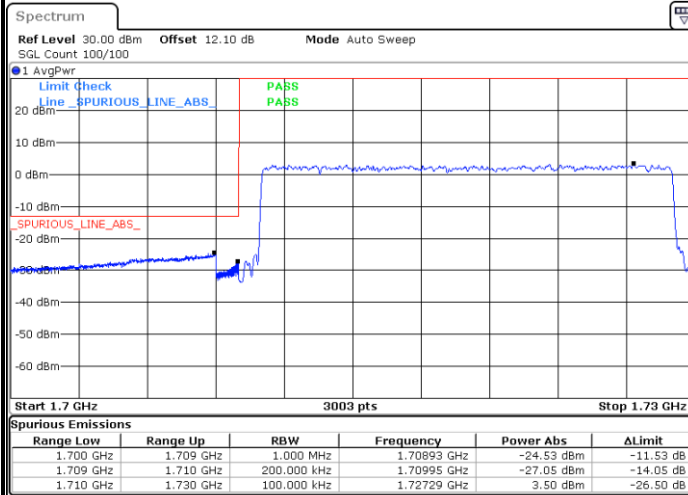
Highest Band Edge / Full RB



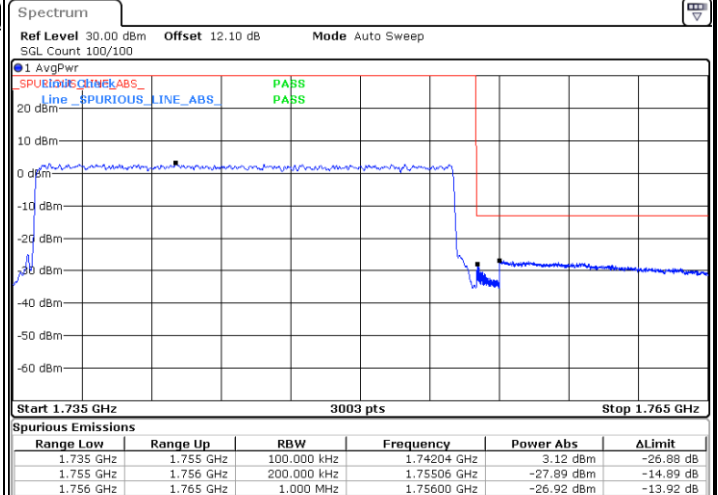


LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / Full RB

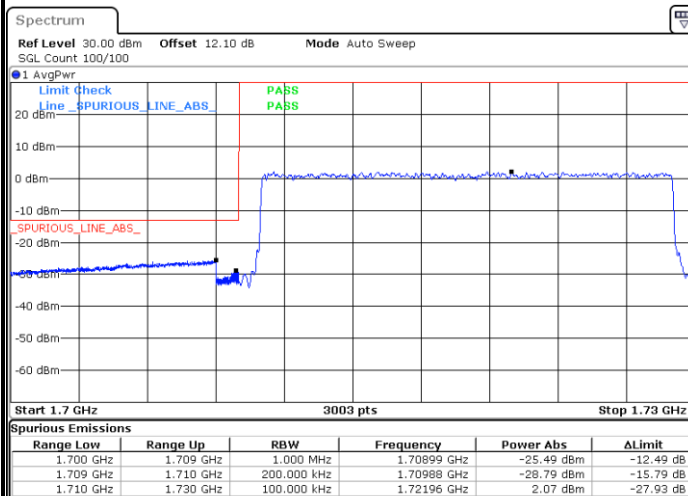


Highest Band Edge / Full RB

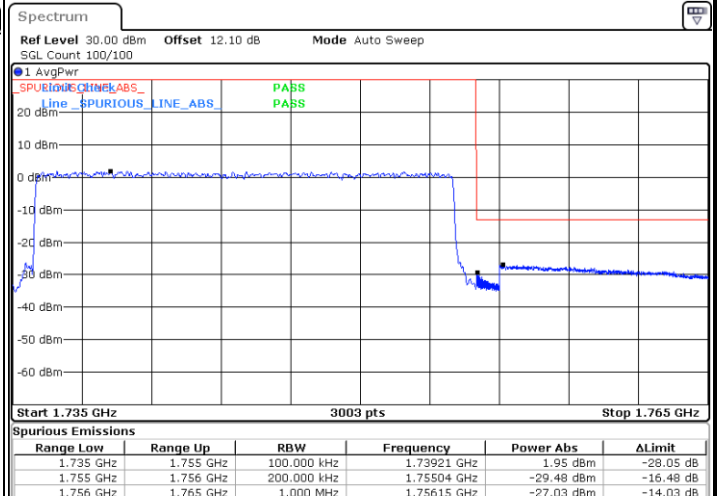


LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / Full RB



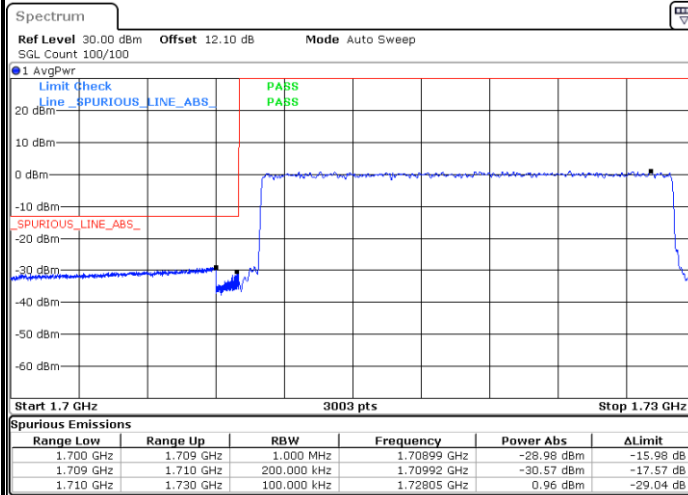
Highest Band Edge / Full RB



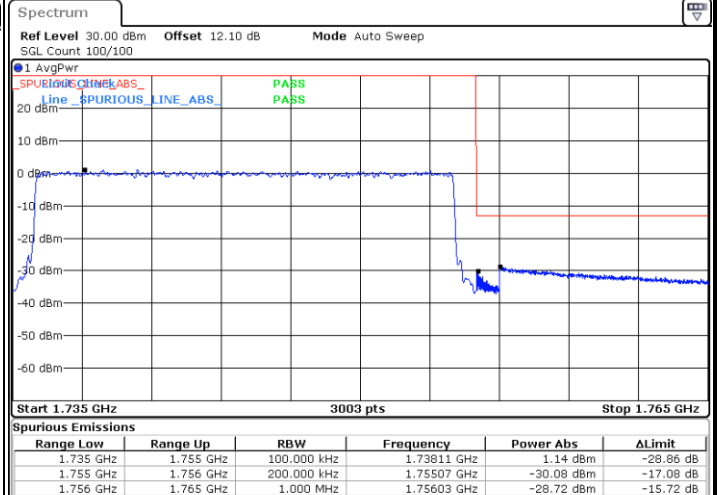


LTE Band 4 / 20MHz / 64QAM

Lowest Band Edge / Full RB

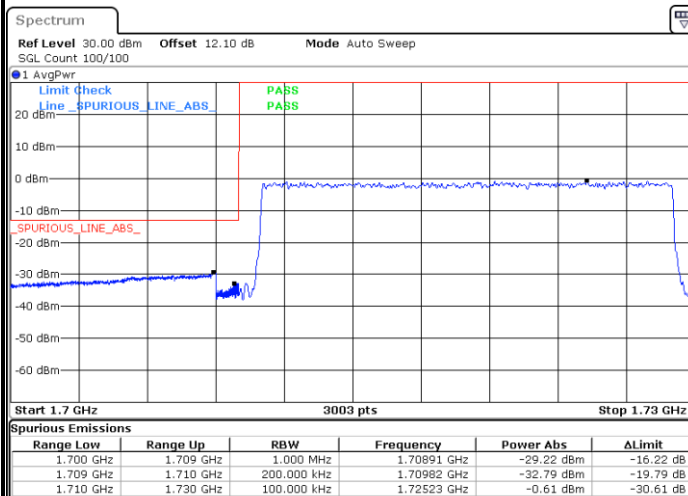


Highest Band Edge / Full RB

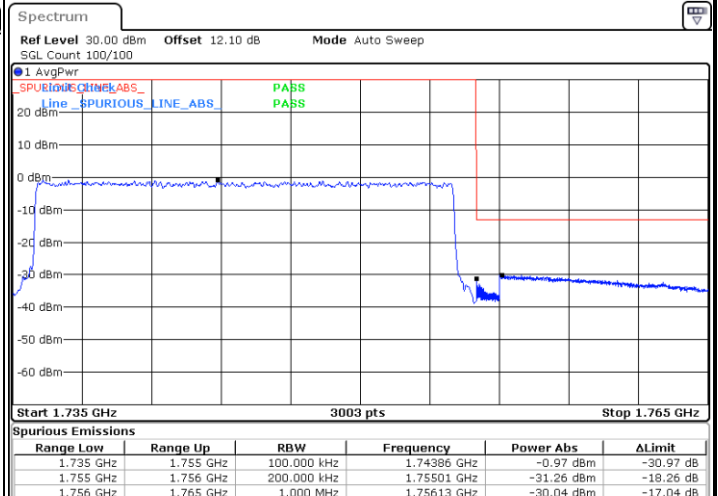


LTE Band 4 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

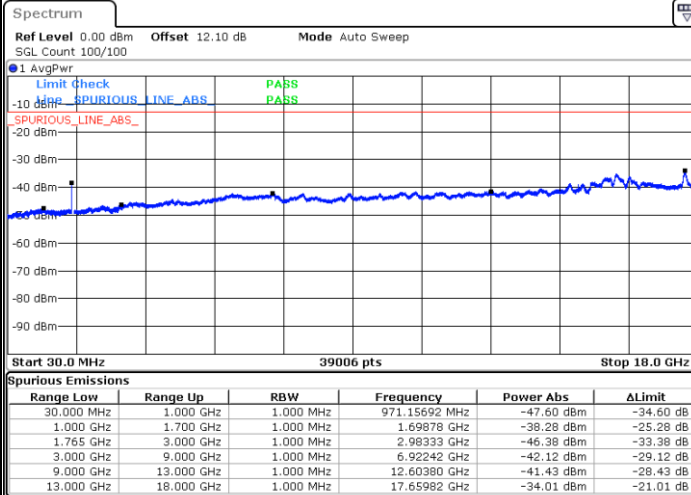




Conducted Spurious Emission

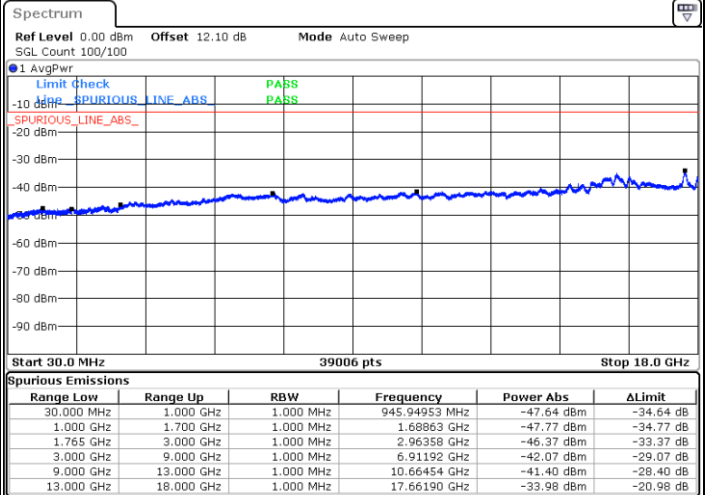
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



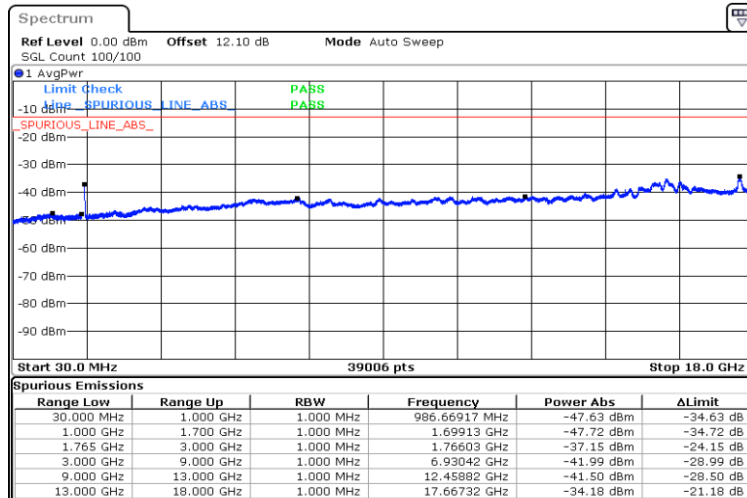
Date: 27.FEB.2024 02:09:09

Middle Channel / QPSK



Date: 27.FEB.2024 02:11:50

Highest Channel / QPSK

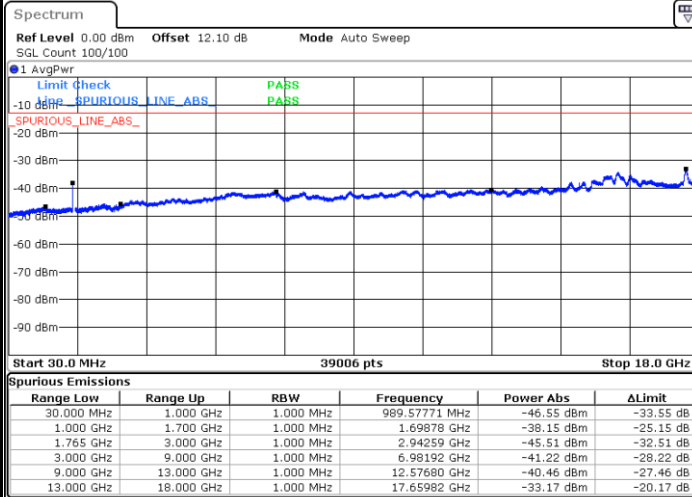


Date: 27.FEB.2024 02:16:50



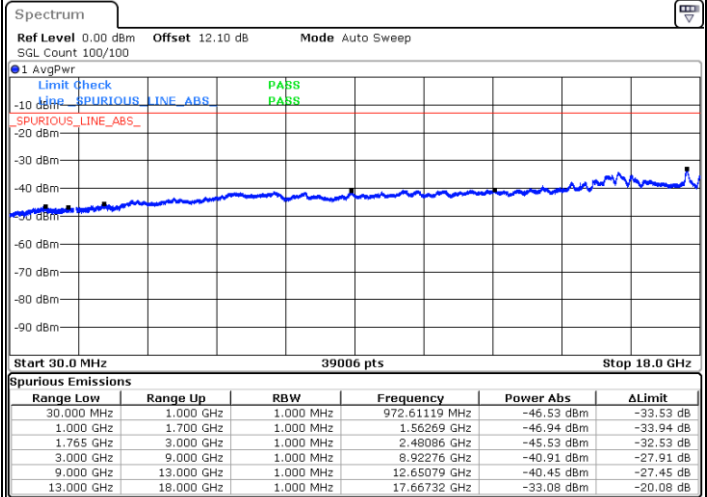
LTE Band 4 / 3MHz

Lowest Channel / QPSK



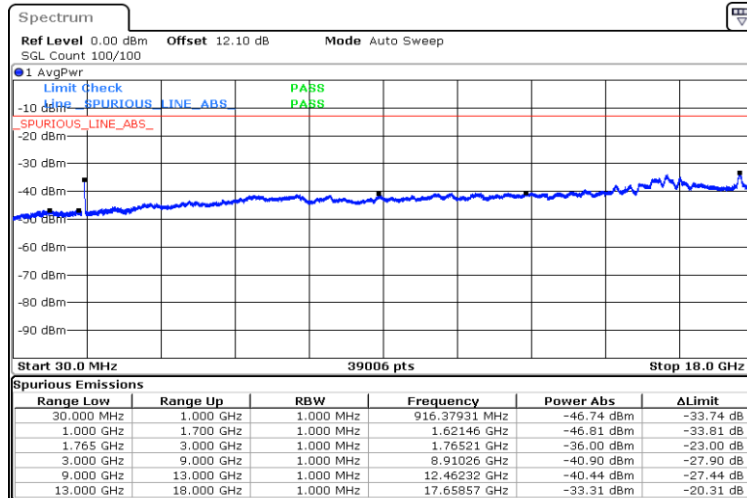
Date: 27.FEB.2024 20:48:14

Middle Channel / QPSK



Date: 27.FEB.2024 20:49:25

Highest Channel / QPSK

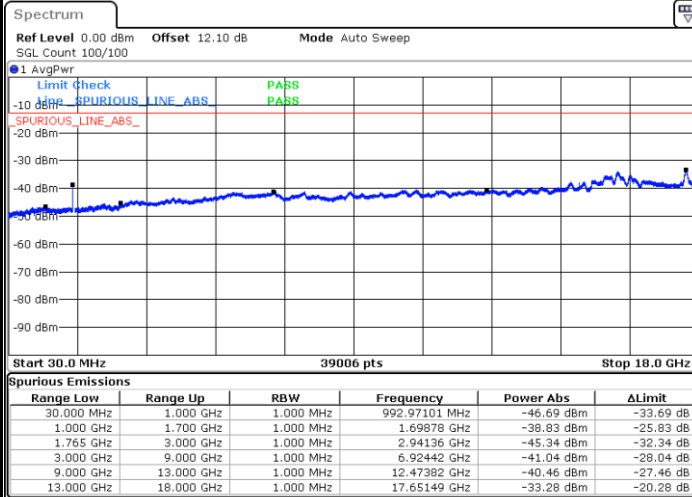


Date: 27.FEB.2024 20:50:36



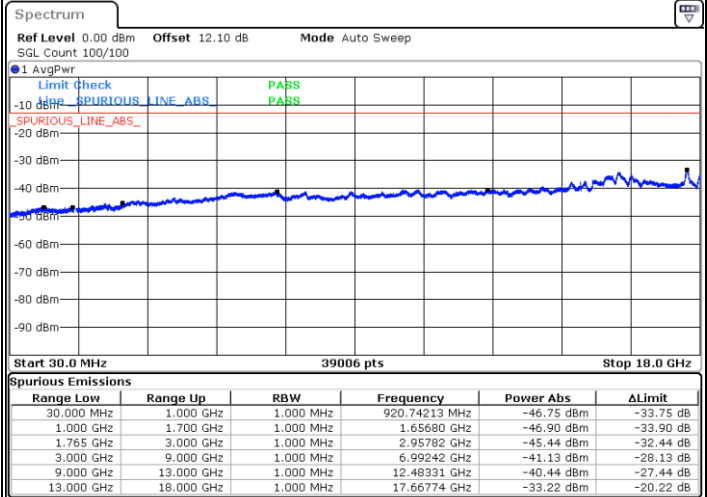
LTE Band 4 / 5MHz

Lowest Channel / QPSK



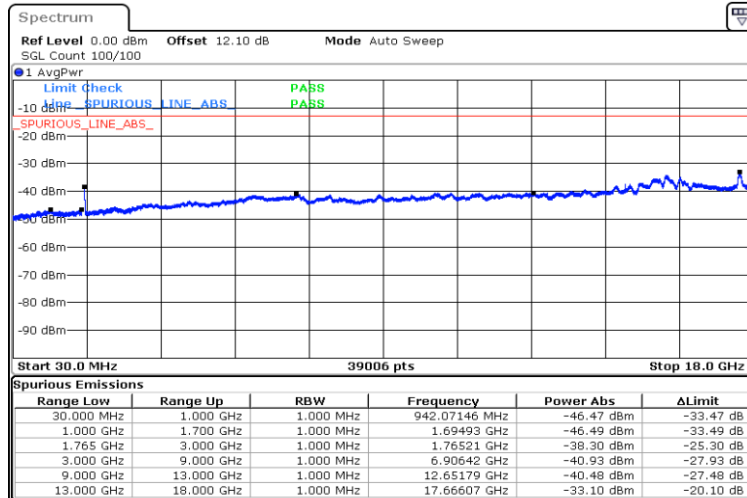
Date: 27.FEB.2024 21:05:40

Middle Channel / QPSK



Date: 27.FEB.2024 21:06:51

Highest Channel / QPSK

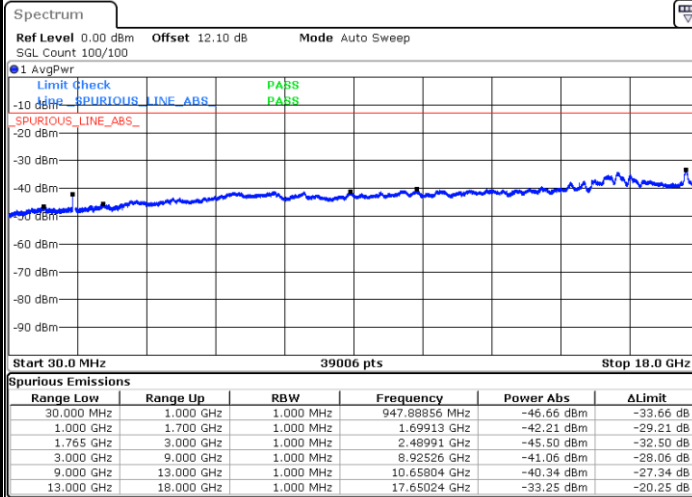


Date: 27.FEB.2024 21:08:02



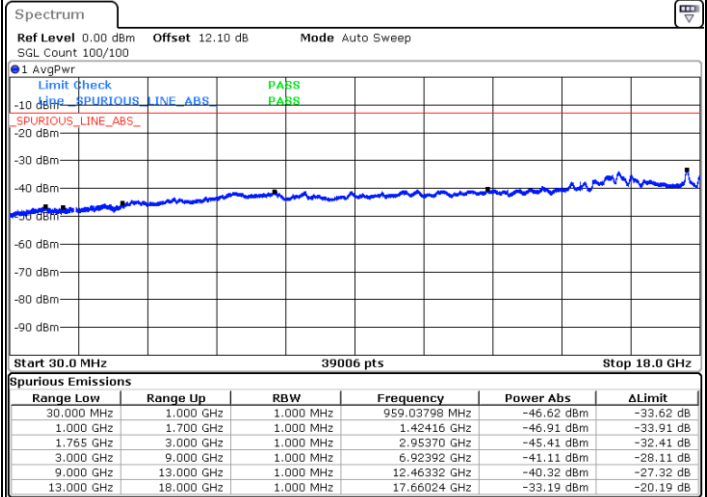
LTE Band 4 / 10MHz

Lowest Channel / QPSK



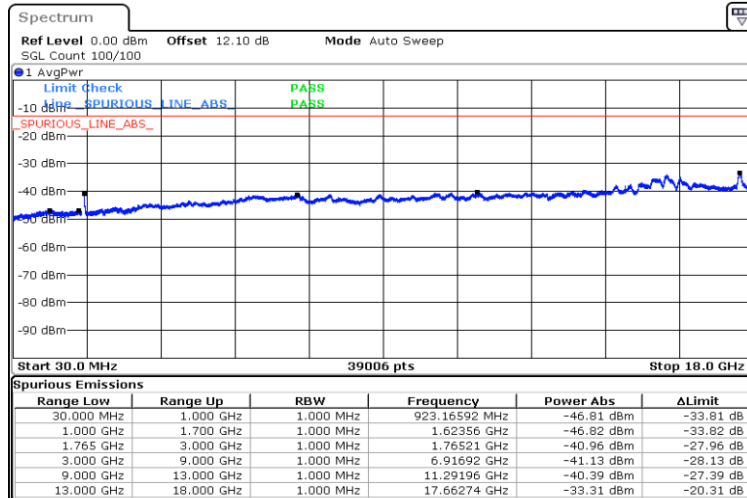
Date: 27.FEB.2024 21:47:06

Middle Channel / QPSK



Date: 27.FEB.2024 21:48:17

Highest Channel / QPSK

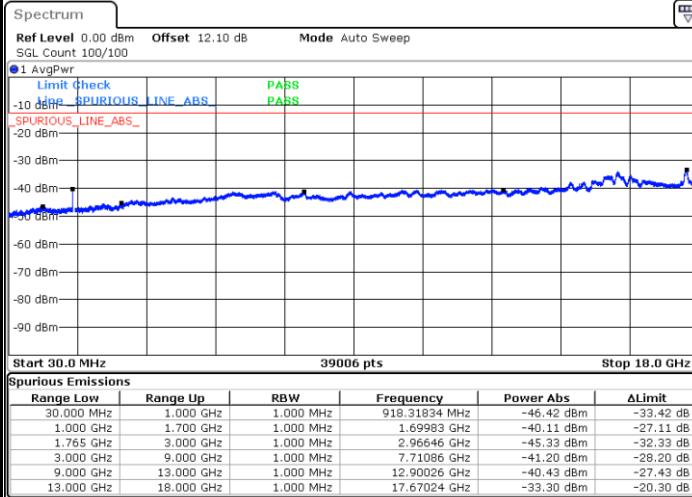


Date: 27.FEB.2024 21:49:28



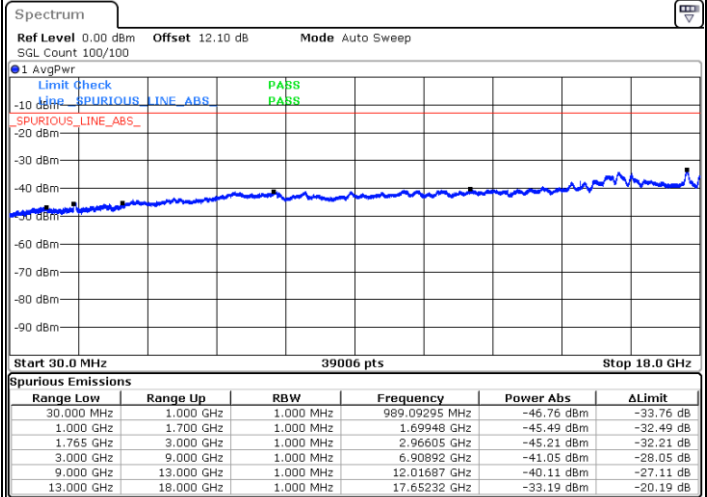
LTE Band 4 / 15MHz

Lowest Channel / QPSK



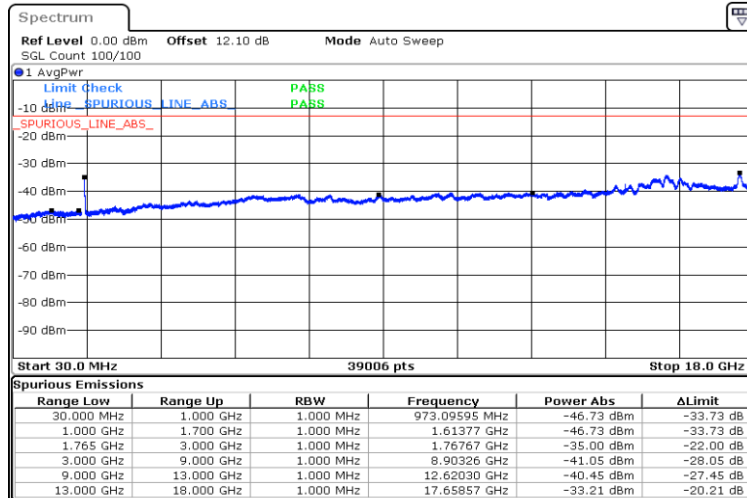
Date: 27.FEB.2024 21:59:58

Middle Channel / QPSK



Date: 27.FEB.2024 22:01:09

Highest Channel / QPSK

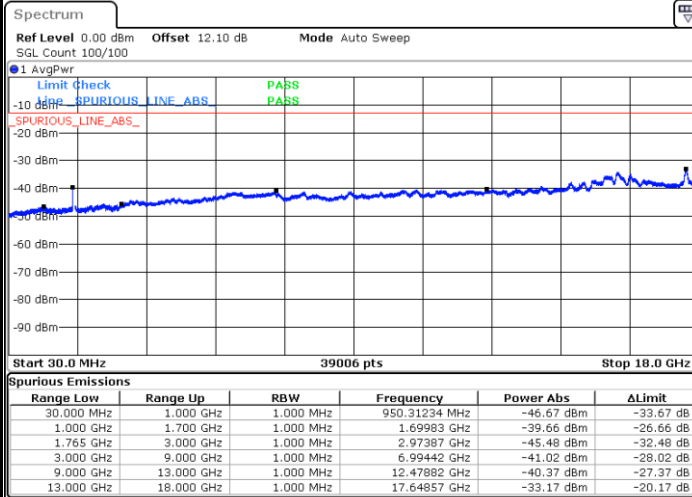


Date: 27.FEB.2024 22:02:20



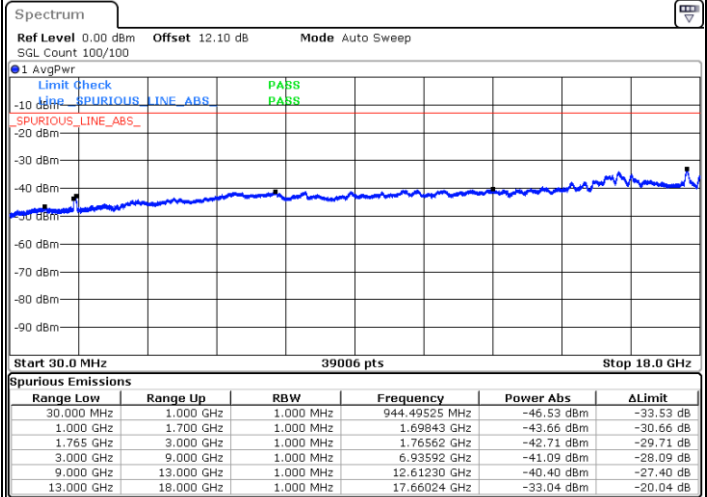
LTE Band 4 / 20MHz

Lowest Channel / QPSK



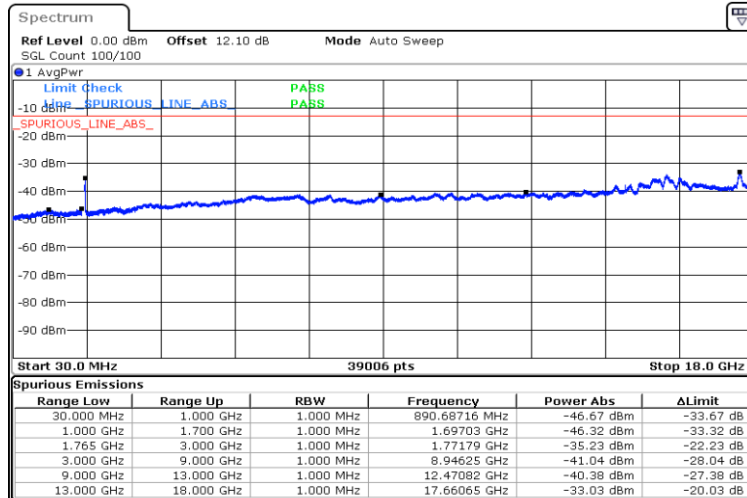
Date: 27.FEB.2024 22:29:08

Middle Channel / QPSK



Date: 27.FEB.2024 22:30:19

Highest Channel / QPSK



Date: 27.FEB.2024 22:31:30

Frequency Stability

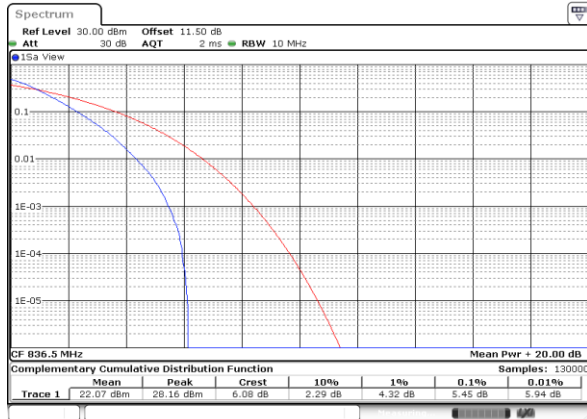
Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0080	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0088	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0073	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0074	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0058	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0063	

Note:

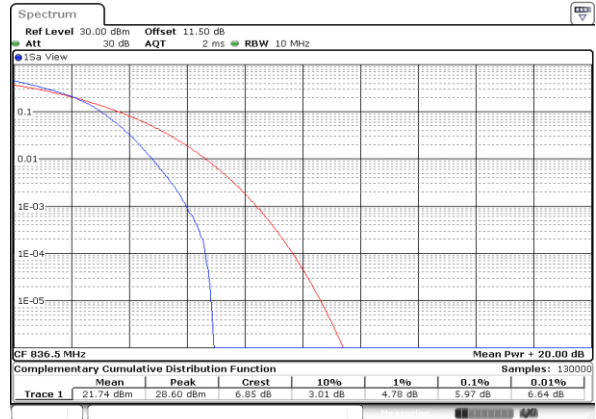
1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

**LTE Band 5****Peak-to-Average Ratio**

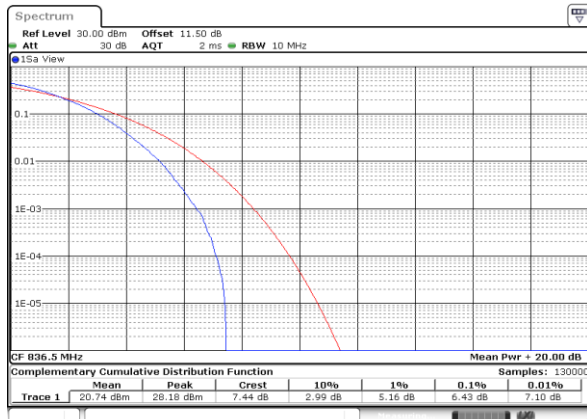
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.45	5.97	6.43	6.41	PASS

LTE Band 5 / 10MHz / QPSK
Middle Channel / Full RB


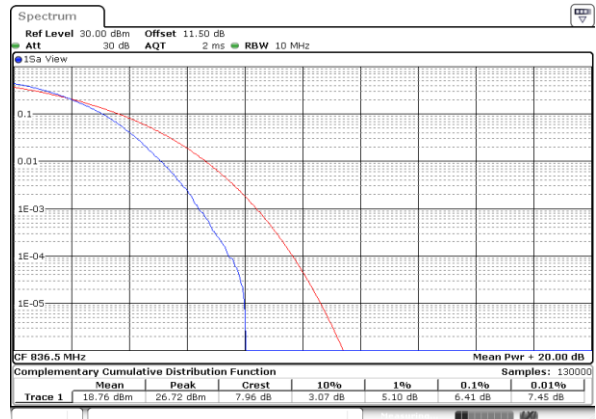
Date: 28.FEB.2024 19:10:40

LTE Band 5 / 10MHz / 16QAM
Middle Channel / Full RB


Date: 28.FEB.2024 19:11:04

LTE Band 5 / 10MHz / 64QAM
Middle Channel / Full RB


Date: 28.FEB.2024 19:12:12

LTE Band 5 / 10MHz / 256QAM
Middle Channel / Full RB


Date: 28.FEB.2024 19:42:24

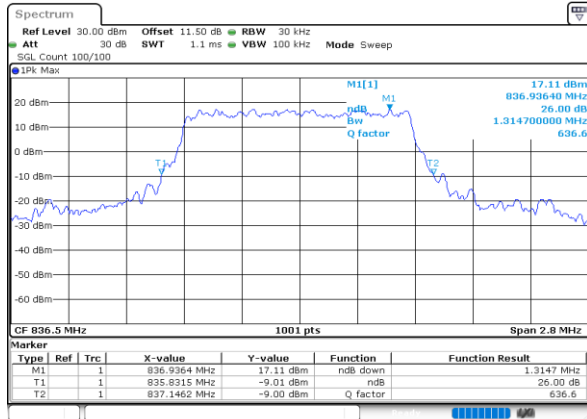
**26dB Bandwidth**

Mode	LTE Band 5 : 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	1.31	1.33	3.11	3.11	5.06	5.07	10.05	9.92	-	-	-	-
Mode	LTE Band 5 : 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	1.29	1.30	3.04	3.09	5.02	5.06	10.00	9.83	-	-	-	-

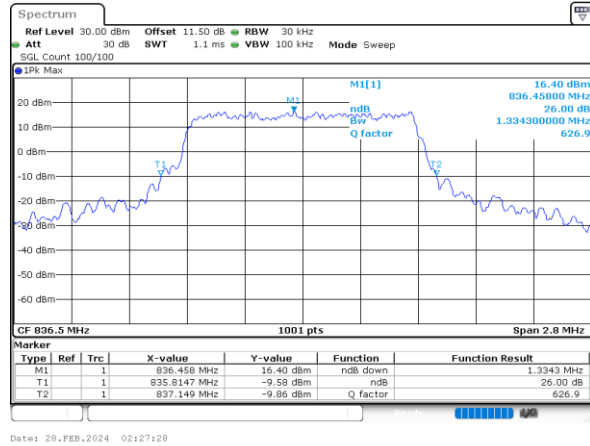


LTE Band 5

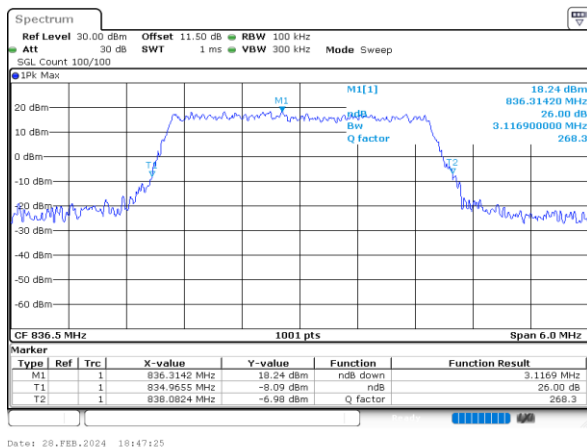
Middle Channel / 1.4MHz / QPSK



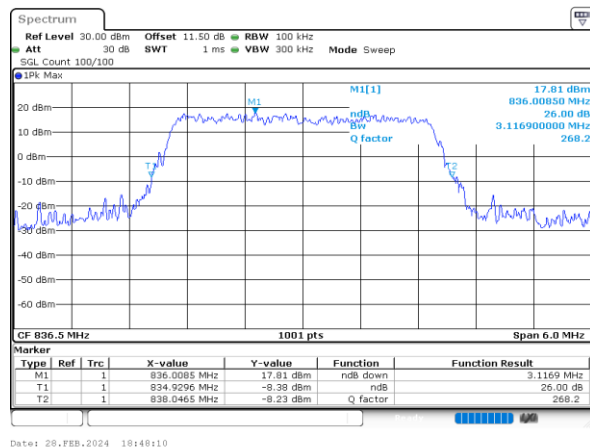
Middle Channel / 1.4MHz / 16QAM



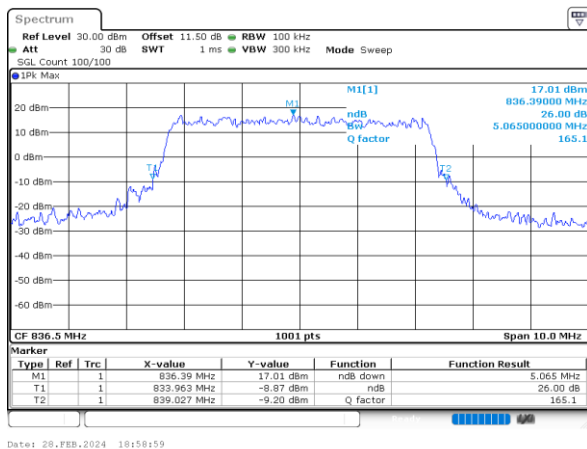
Middle Channel / 3MHz / QPSK



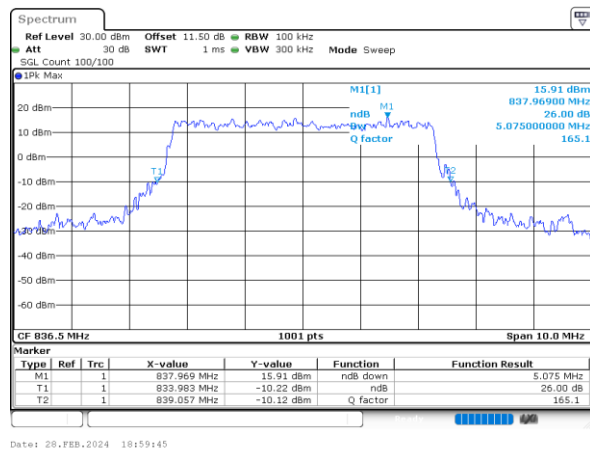
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



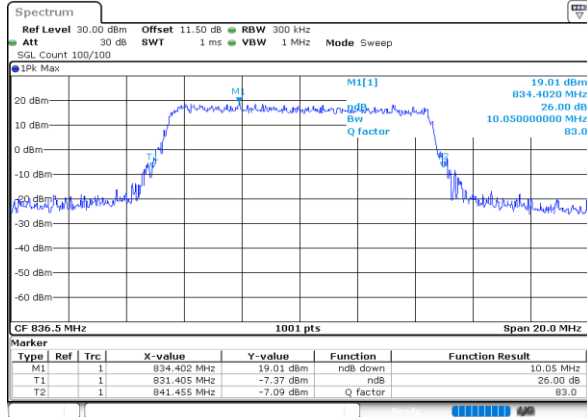
Middle Channel / 5MHz / 16QAM



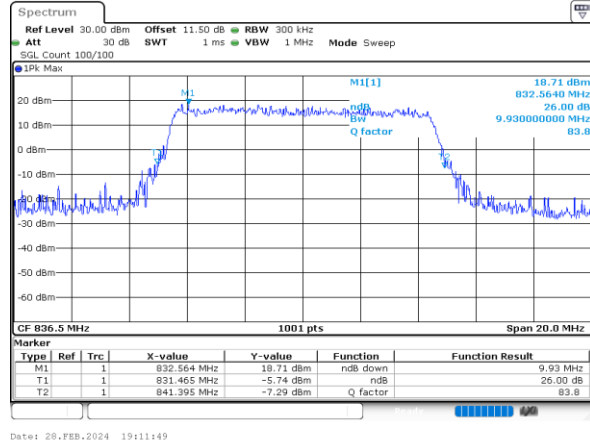


LTE Band 5

Middle Channel / 10MHz / QPSK

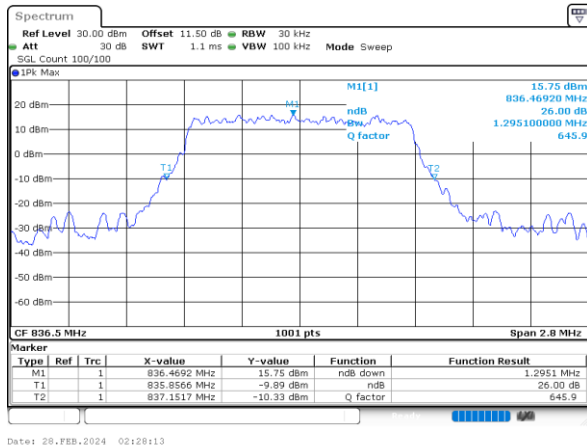


Middle Channel / 10MHz / 16QAM

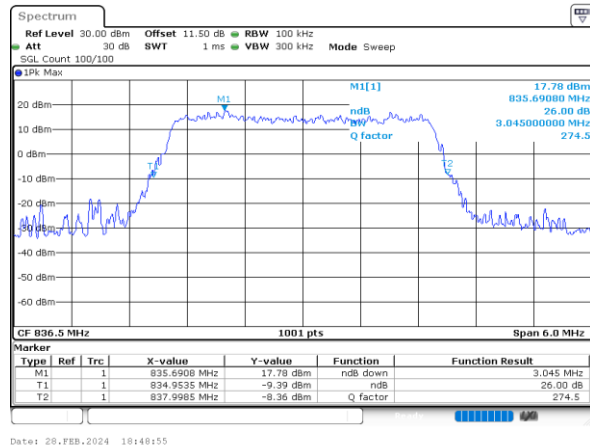


LTE Band 5

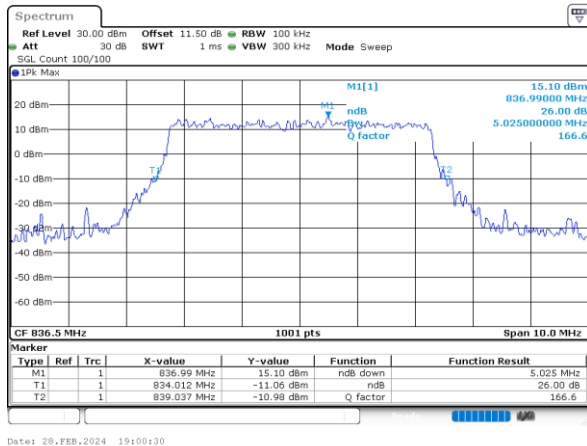
Middle Channel / 1.4MHz / 64QAM



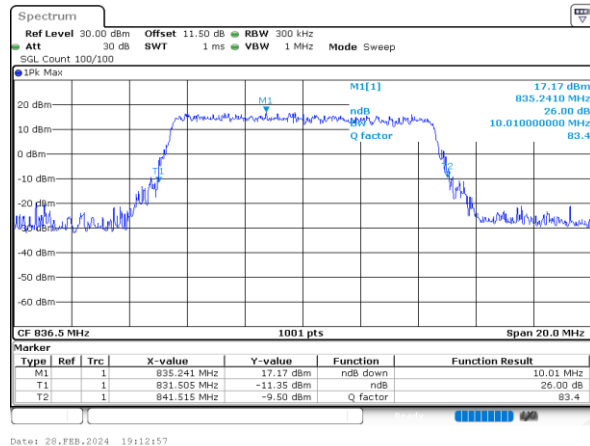
Middle Channel / 3MHz / 64QAM



Middle Channel / 5MHz / 64QAM



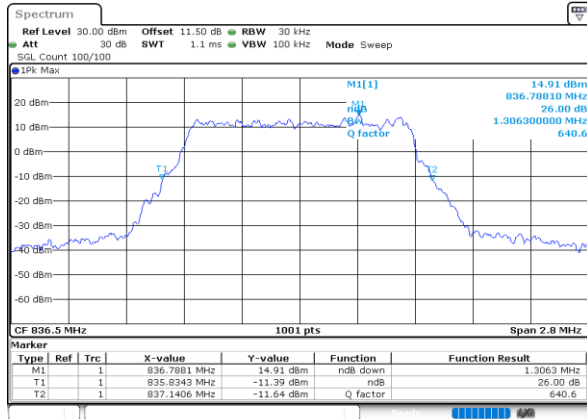
Middle Channel / 10MHz / 64QAM





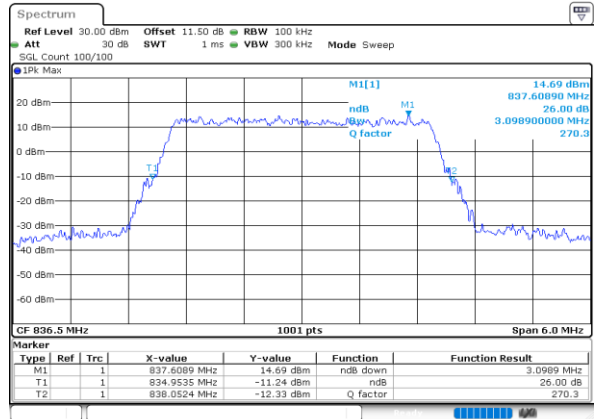
LTE Band 5

Middle Channel / 1.4MHz / 256QAM



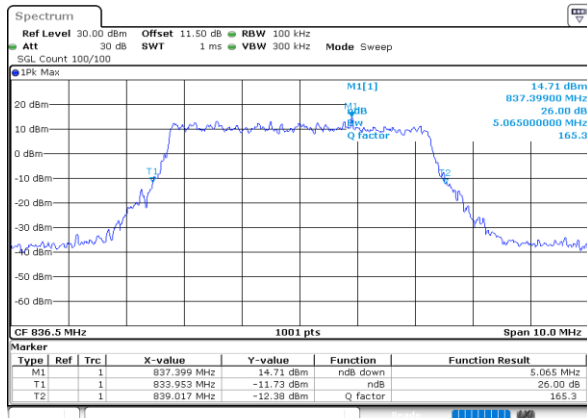
Date: 28.FEB.2024 02:28:58

Middle Channel / 3MHz / 256QAM



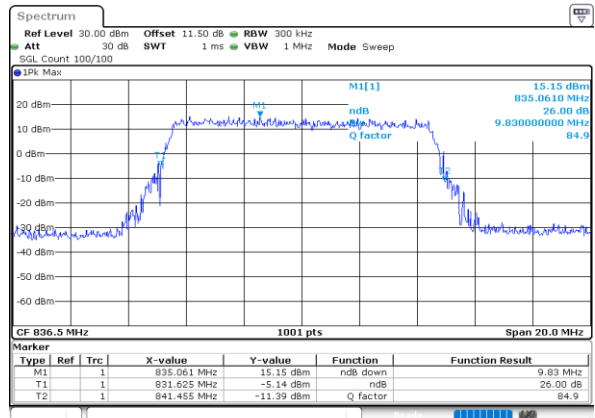
Date: 28.FEB.2024 18:49:40

Middle Channel / 5MHz / 256QAM



Date: 28.FEB.2024 19:01:15

Middle Channel / 10MHz / 256QAM



Date: 28.FEB.2024 19:14:06

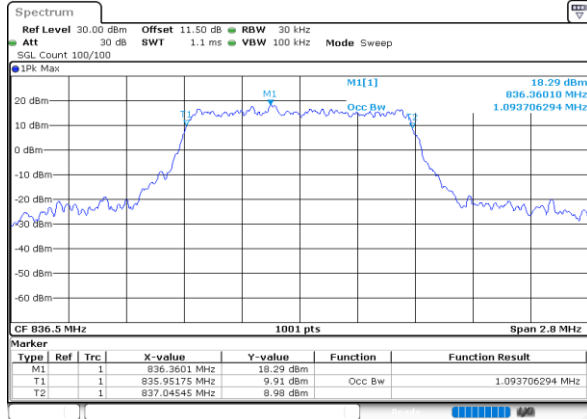
**Occupied Bandwidth**

Mode	LTE Band 5 : 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	1.09	1.09	2.75	2.72	4.51	4.50	9.05	9.09	-	-	-	-
Mode	LTE Band 5 : 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	1.09	1.08	2.74	2.71	4.50	4.50	9.09	9.03	-	-	-	-

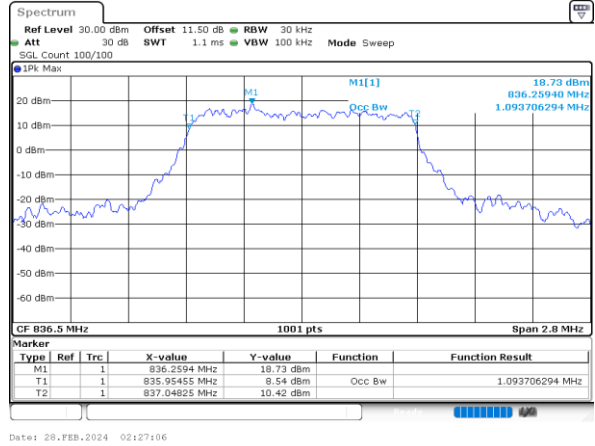


LTE Band 5

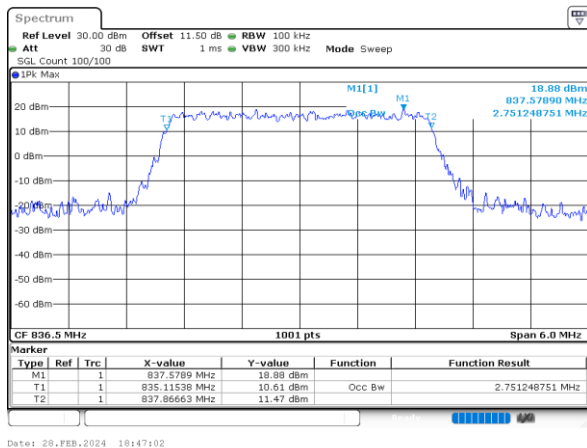
Middle Channel / 1.4MHz / QPSK



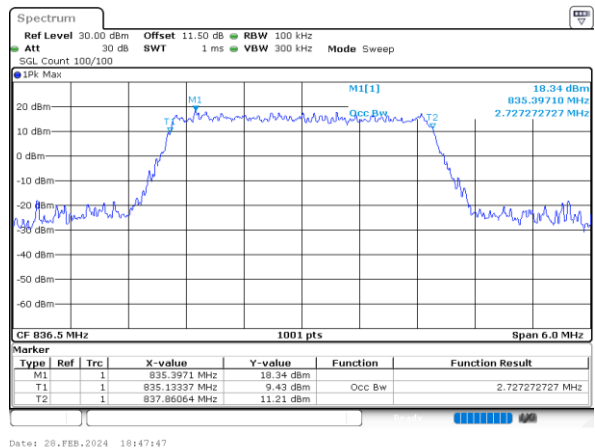
Middle Channel / 1.4MHz / 16QAM



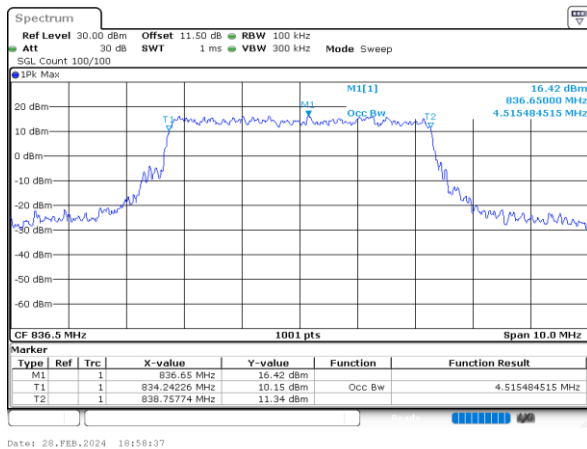
Middle Channel / 3MHz / QPSK



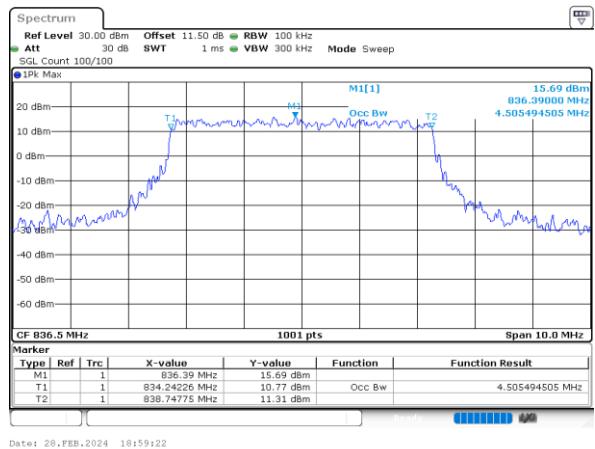
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



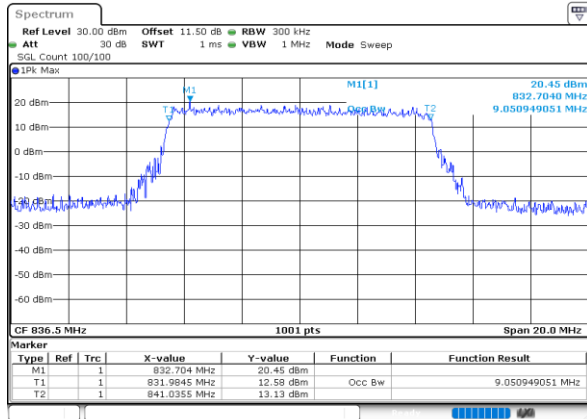
Middle Channel / 5MHz / 16QAM



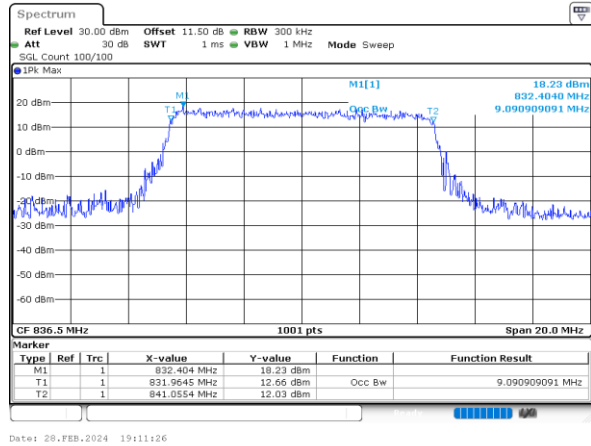


LTE Band 5

Middle Channel / 10MHz / QPSK

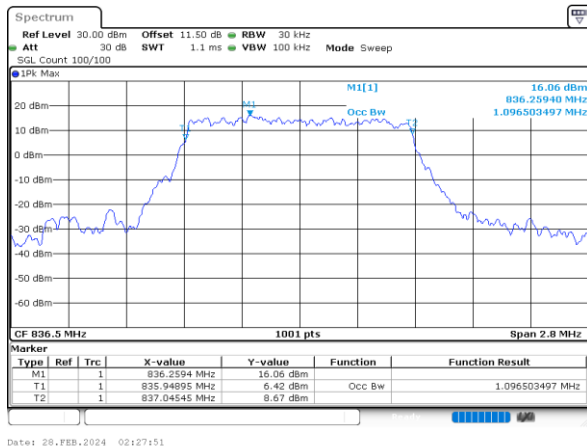


Middle Channel / 10MHz / 16QAM

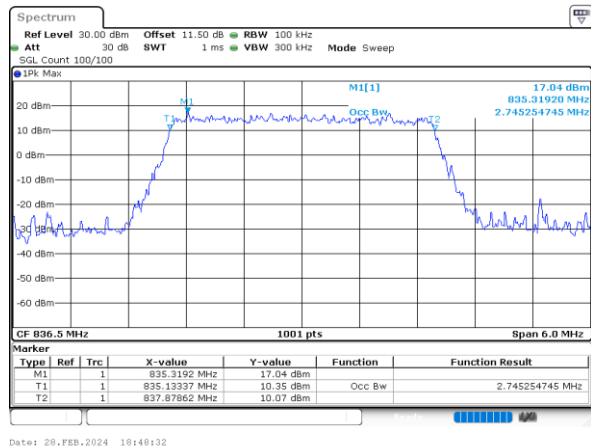


LTE Band 5

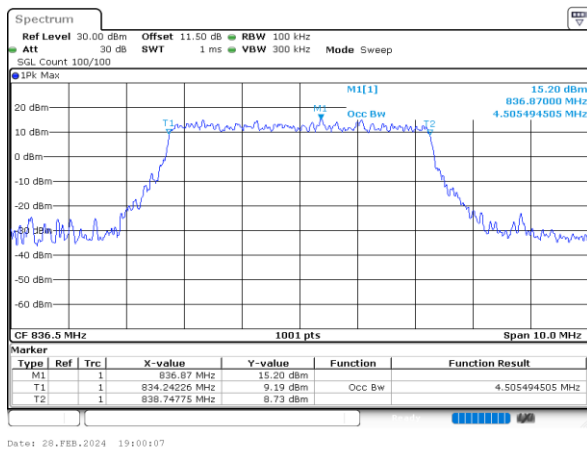
Middle Channel / 1.4MHz / 64QAM



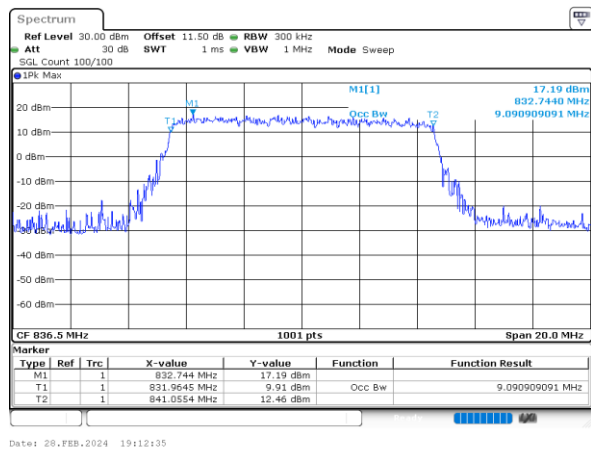
Middle Channel / 3MHz / 64QAM



Middle Channel / 5MHz / 64QAM



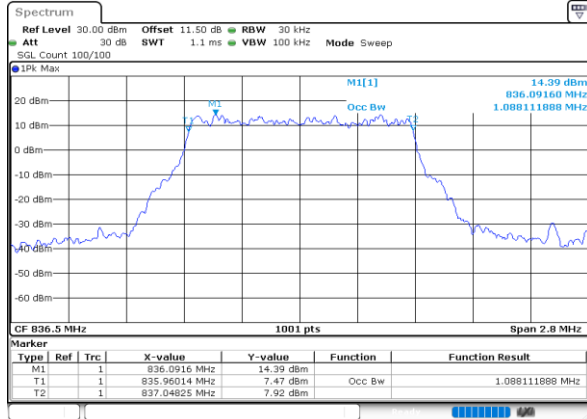
Middle Channel / 10MHz / 64QAM



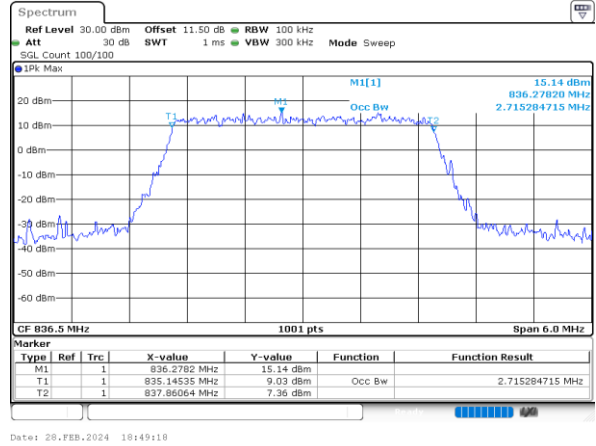


LTE Band 5

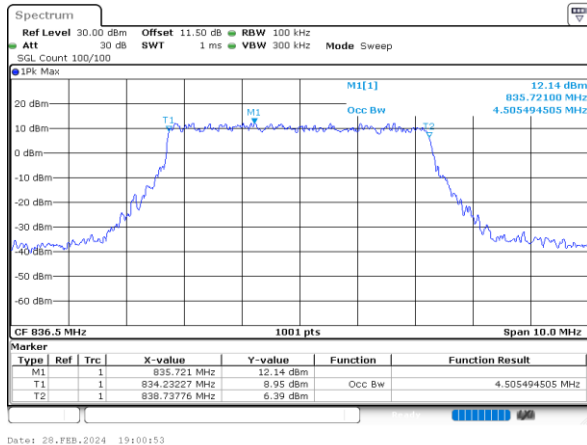
Middle Channel / 1.4MHz / 256QAM



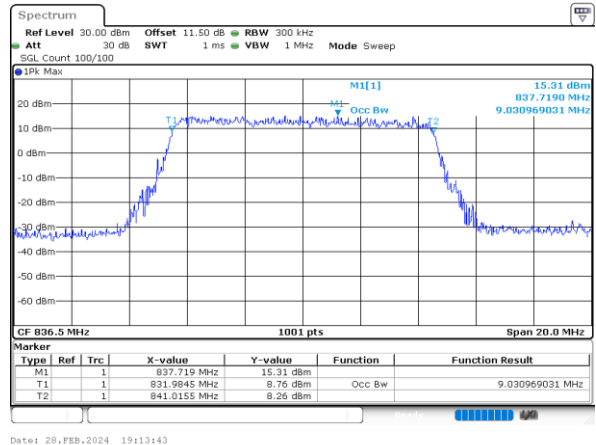
Middle Channel / 3MHz / 256QAM



Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM

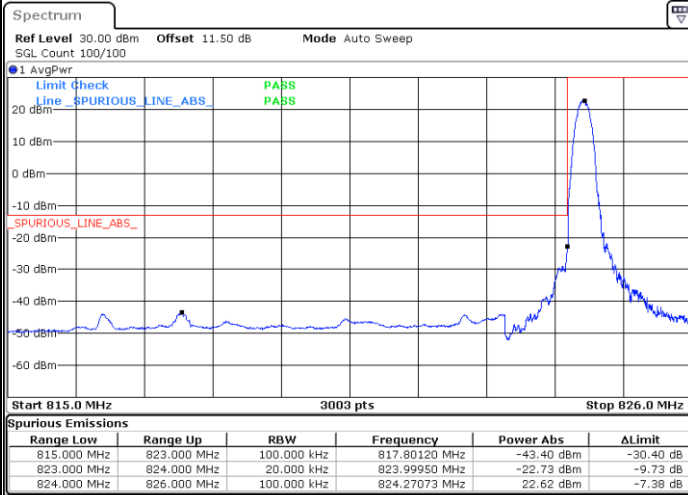




Conducted Band Edge

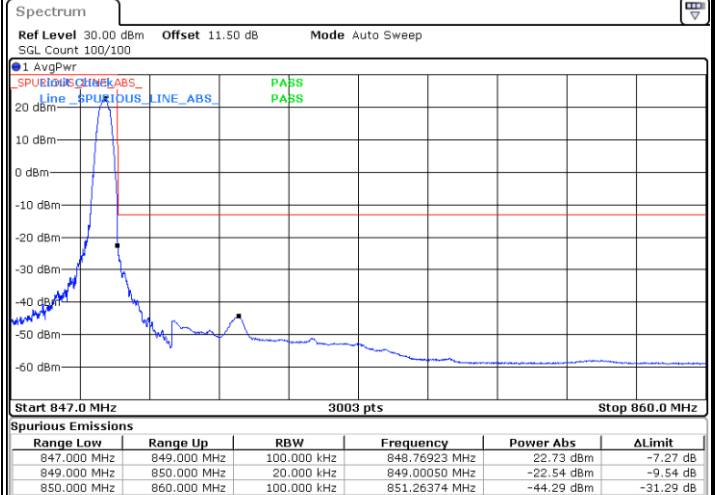
LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



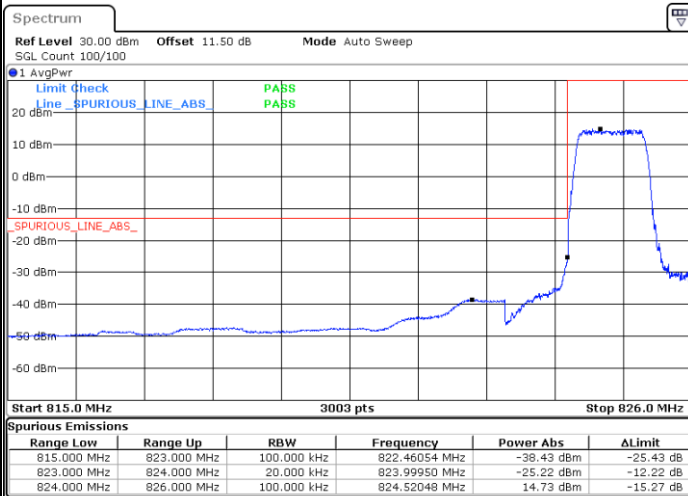
Date: 28.FEB.2024 02:15:46

Highest Band Edge / 1RB



Date: 28.FEB.2024 02:33:43

Lowest Band Edge / Full RB



Date: 28.FEB.2024 02:20:49

Highest Band Edge / Full RB



Date: 28.FEB.2024 02:29:54