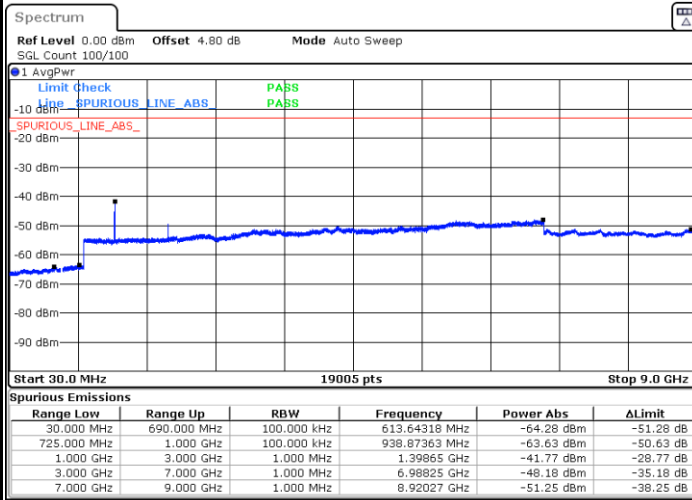




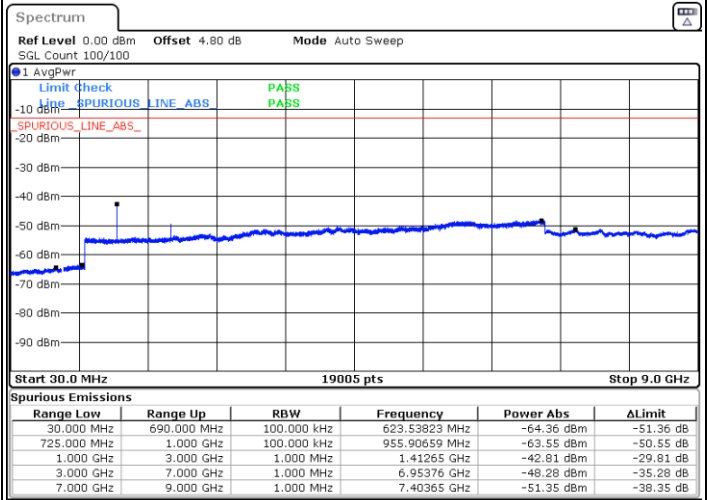
LTE Band 12 / 3MHz

Lowest Channel / QPSK



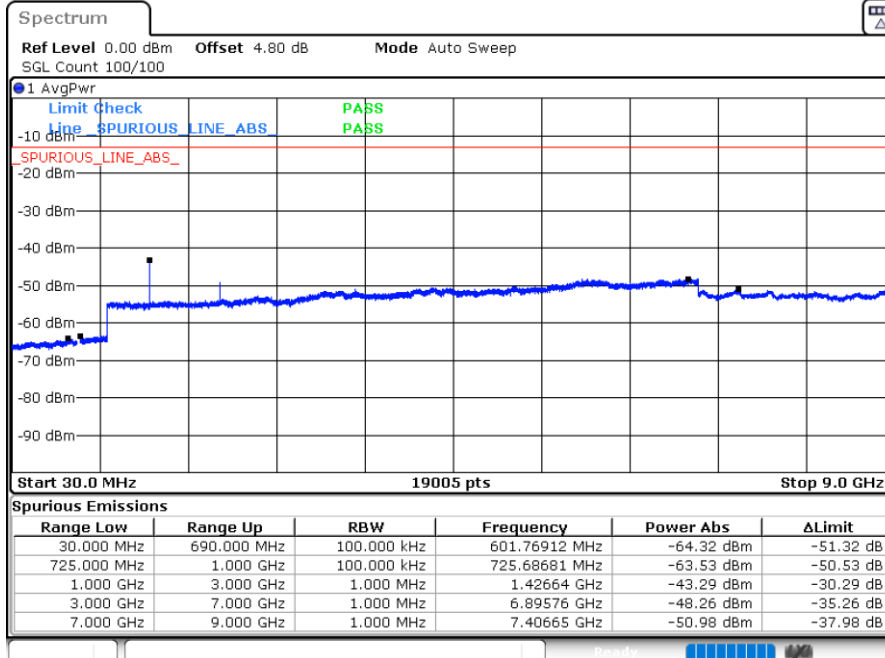
Date: 15.JUN.2024 18:28:47

Middle Channel / QPSK



Date: 15.JUN.2024 18:50:44

Highest Channel / QPSK

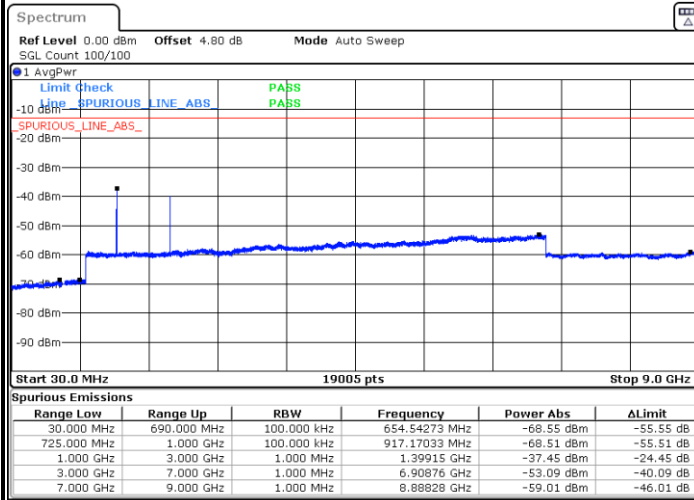


Date: 15.JUN.2024 18:51:39



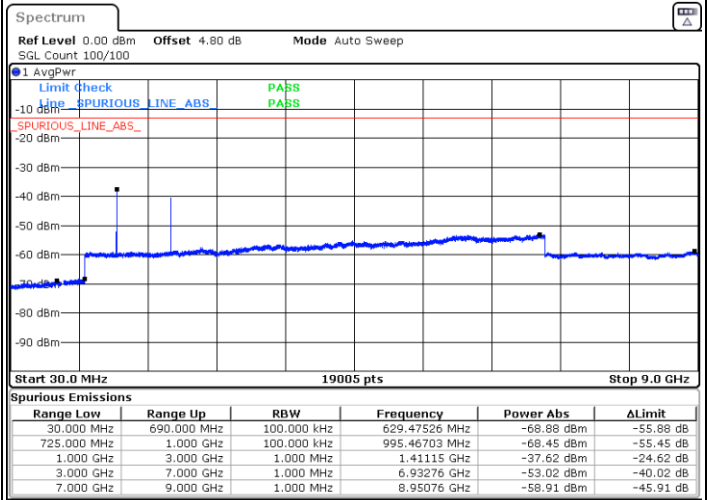
LTE Band 12 / 5MHz

Lowest Channel / QPSK



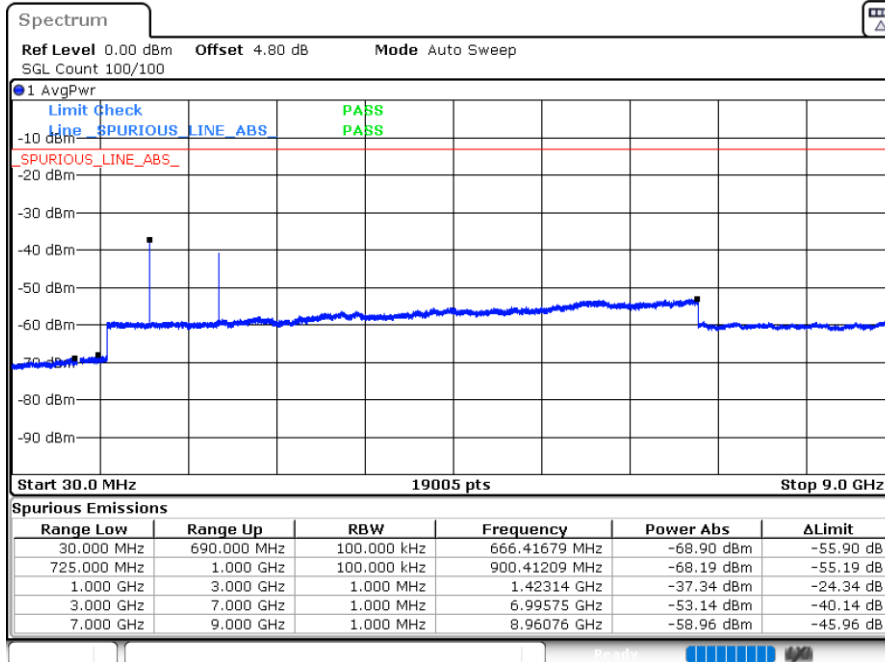
Date: 15.JUN.2024 19:00:46

Middle Channel / QPSK



Date: 15.JUN.2024 19:13:04

Highest Channel / QPSK

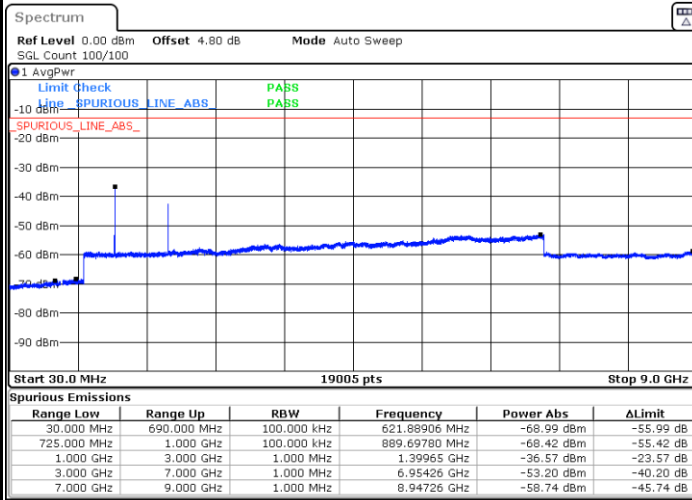


Date: 15.JUN.2024 19:13:59



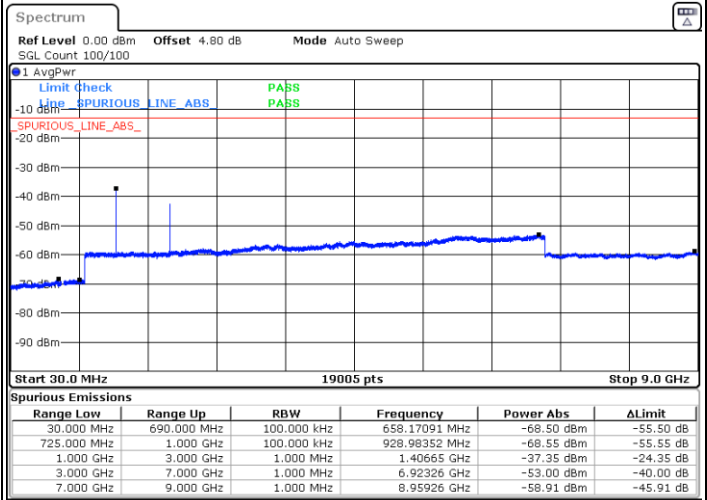
LTE Band 12 / 10MHz

Lowest Channel / QPSK



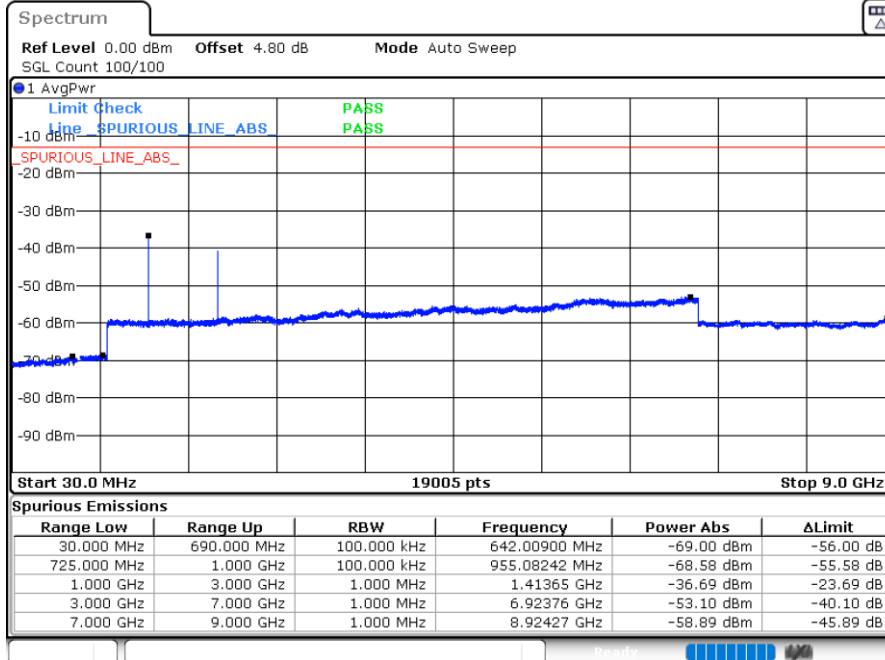
Date: 15.JUN.2024 19:23:06

Middle Channel / QPSK



Date: 15.JUN.2024 19:48:13

Highest Channel / QPSK



Date: 15.JUN.2024 19:49:09

**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	0.0019	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0026	

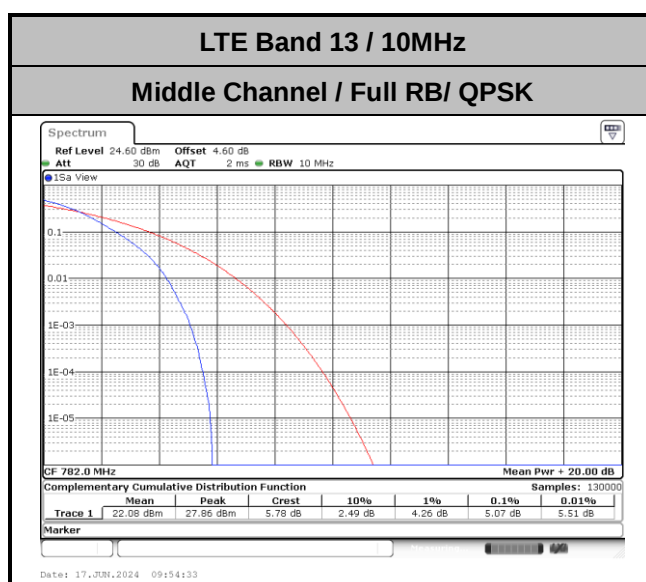
Note:

1. Normal Voltage =3.85 V. ; Minimum Voltage =3.5 V. ; Maximum Voltage =4.41 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 13

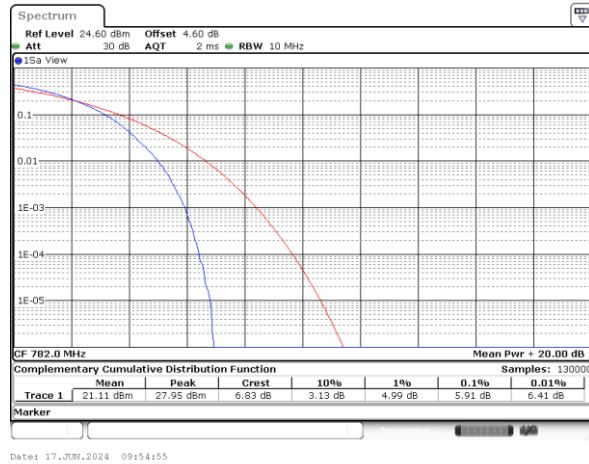
Peak-to-Average Ratio

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	5.07	5.91	6.35	6.38	PASS

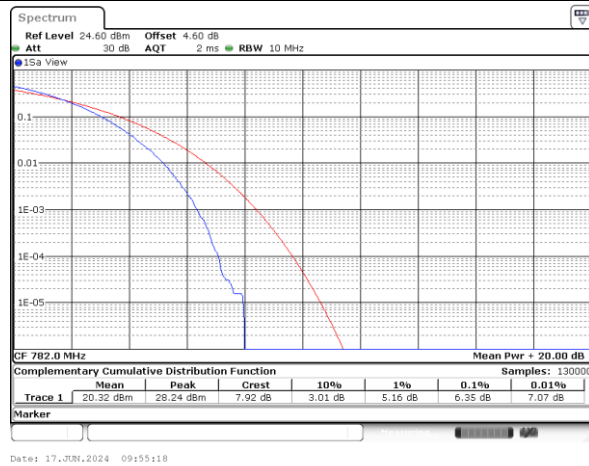




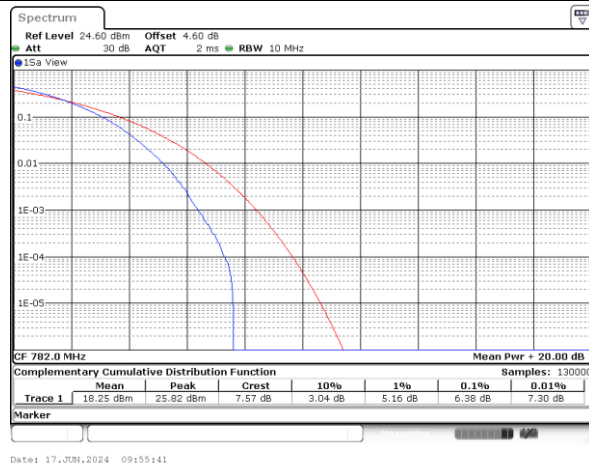
Middle Channel / Full RB/ 16QAM



Middle Channel / Full RB/ 64QAM

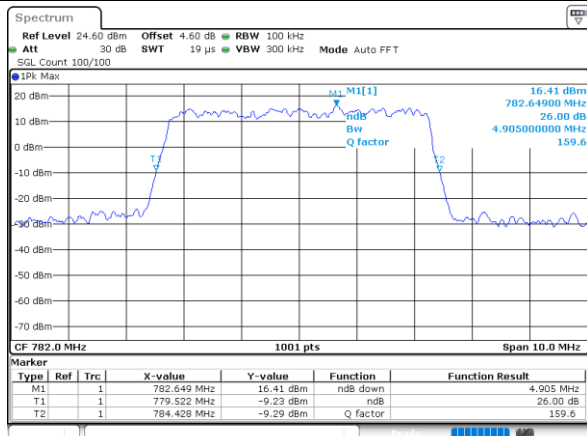
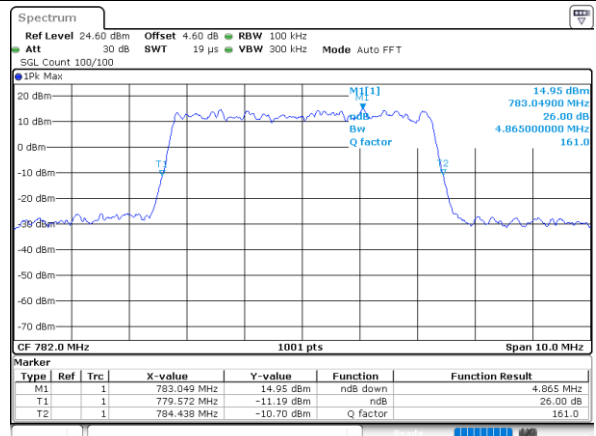
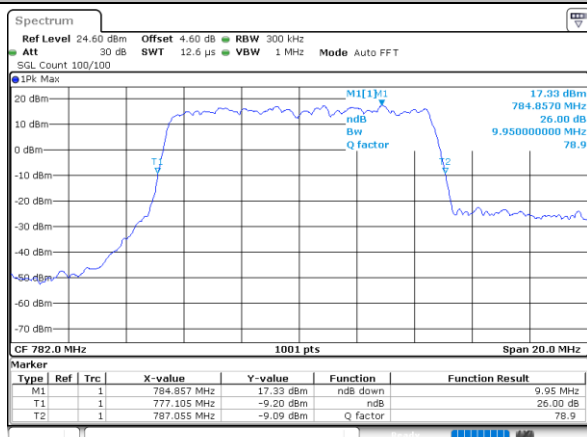
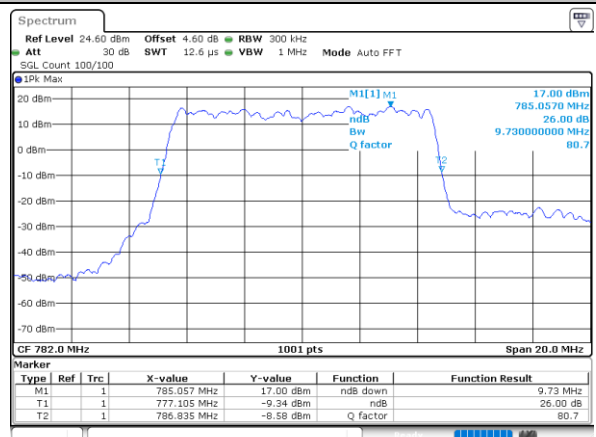


Middle Channel / Full RB/ 256QAM



**26dB Bandwidth**

Mode	LTE Band 13 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.91	4.87
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.95	9.73

LTE Band 13**Middle Channel / 5MHz / QPSK****Middle Channel / 5MHz / 16QAM****LTE Band 13****Middle Channel / 10MHz / QPSK****Middle Channel / 10MHz / 16QAM**

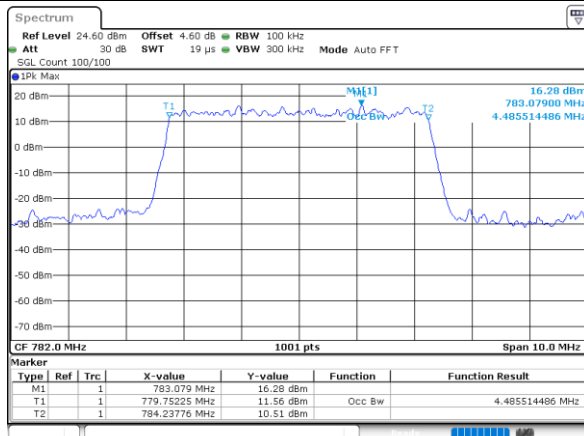


Occupied Bandwidth

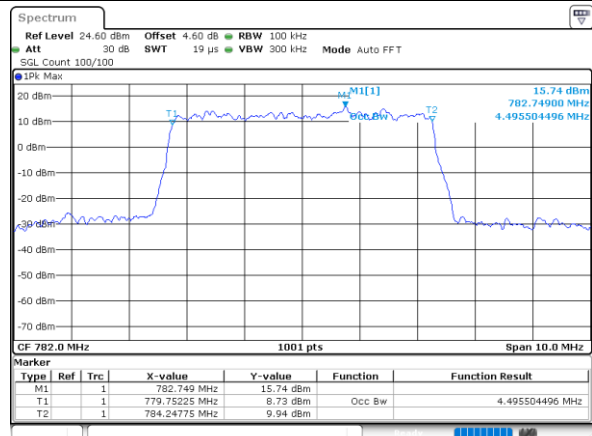
Mode	LTE Band 13 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	8.97

LTE Band 13

Middle Channel / 5MHz / QPSK

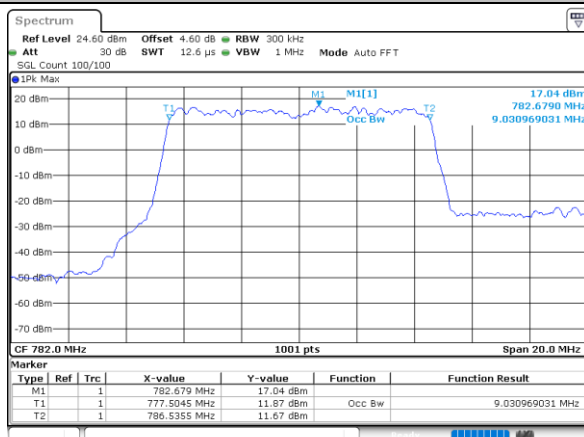


Middle Channel / 5MHz / 16QAM

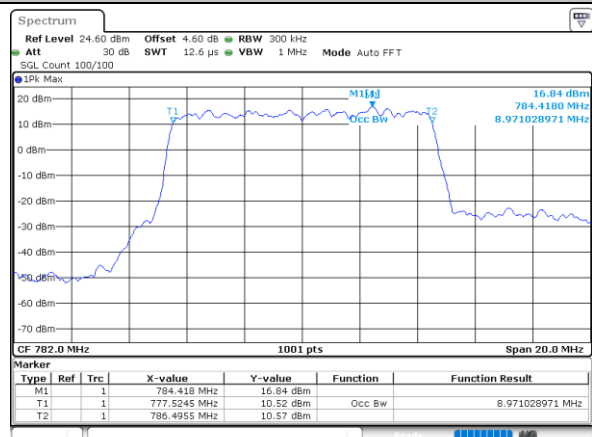


LTE Band 13

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

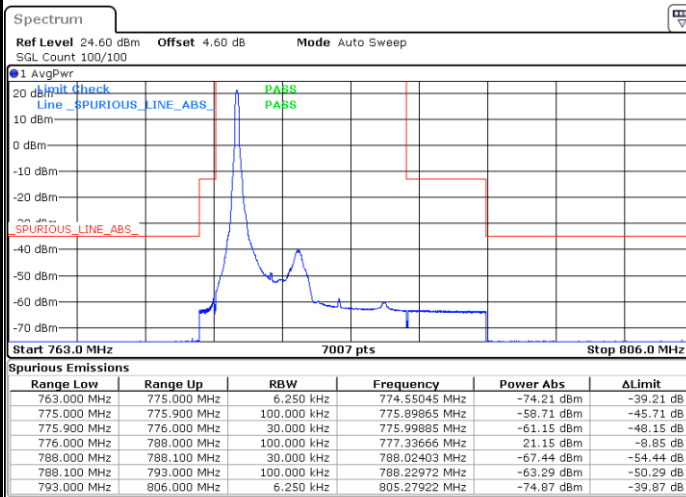




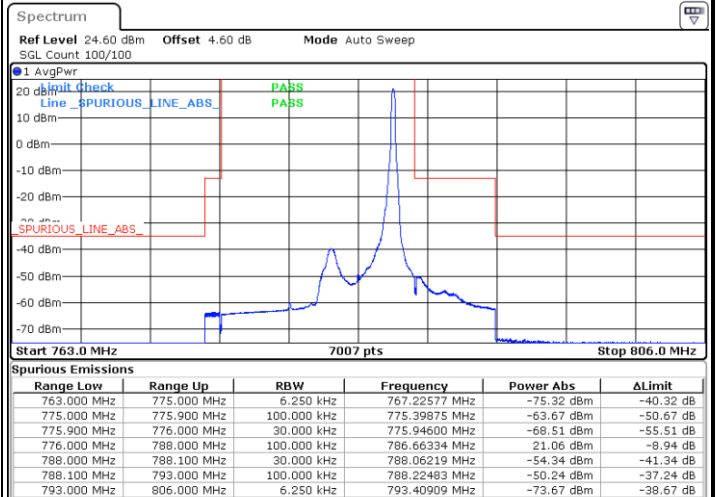
Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

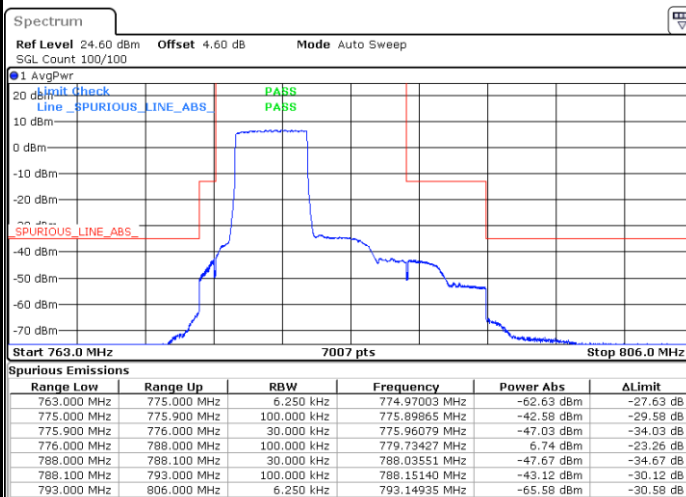
Lowest Band Edge / 1 RB



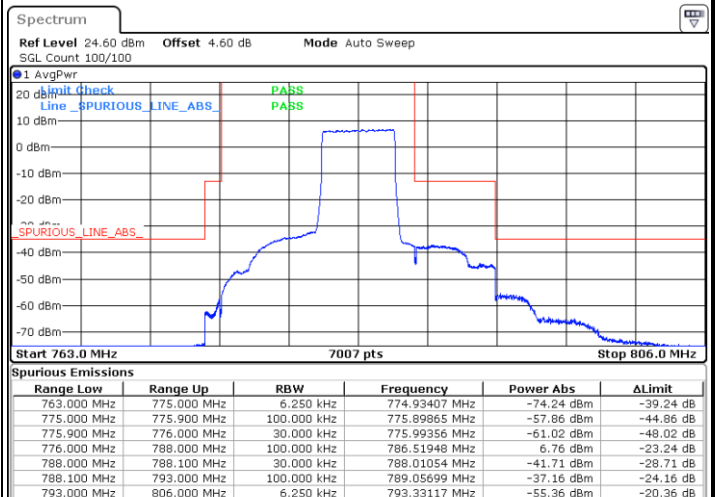
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



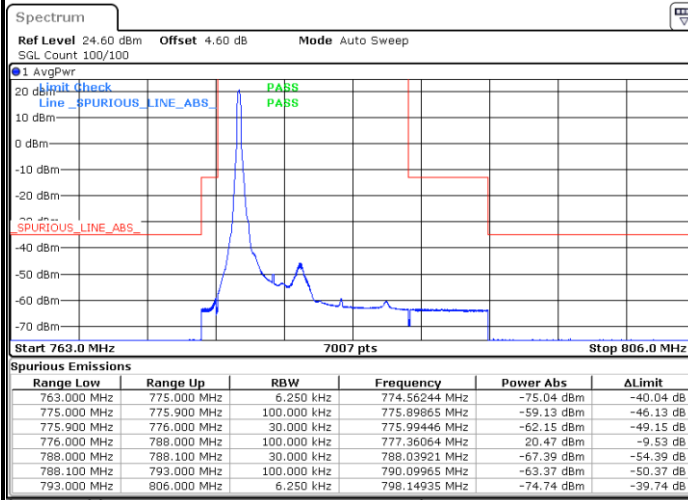
Highest Band Edge / Full RB



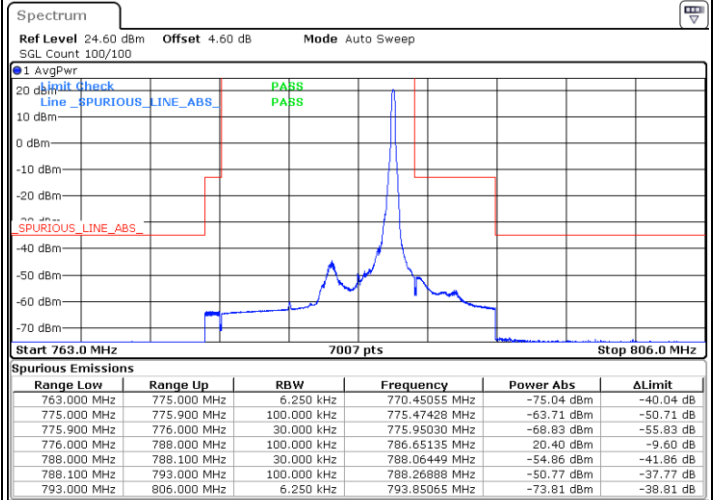


LTE Band 13 / 5MHz / 16QAM

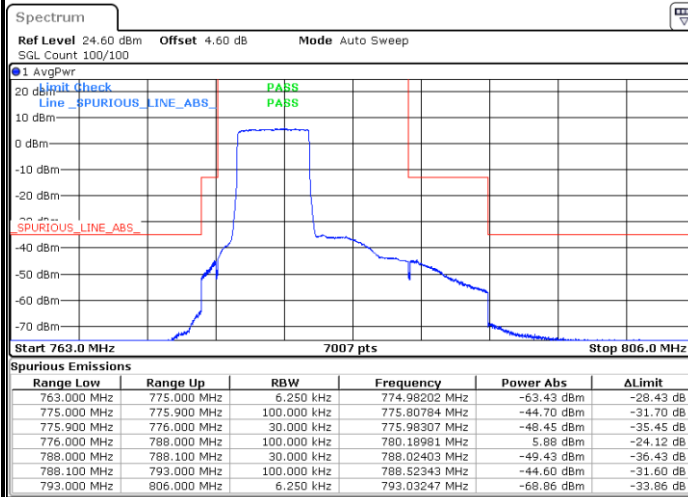
Lowest Band Edge / 1RB



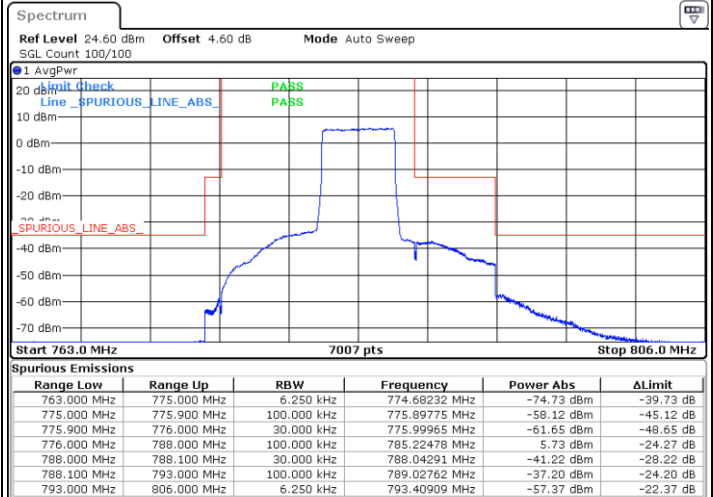
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



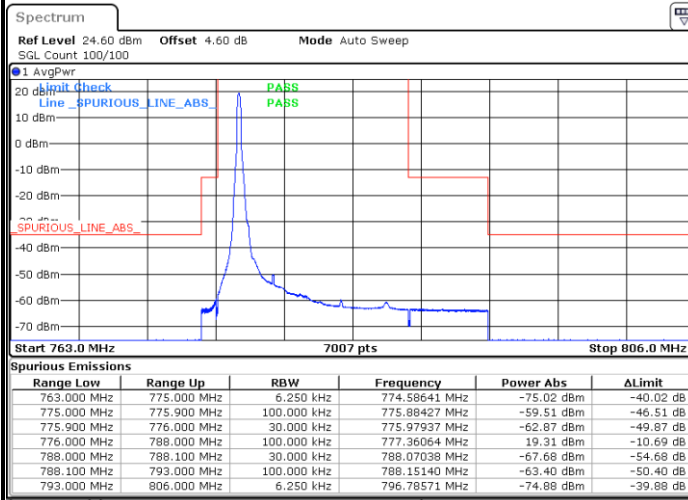
Highest Band Edge / Full RB



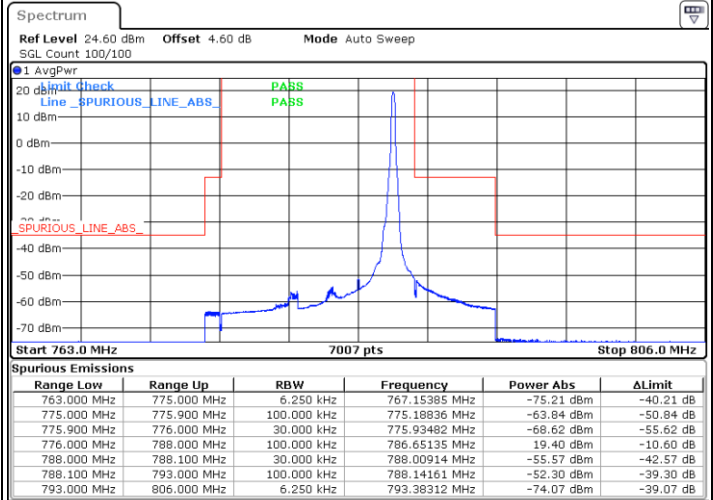


LTE Band 13 / 5MHz / 64QAM

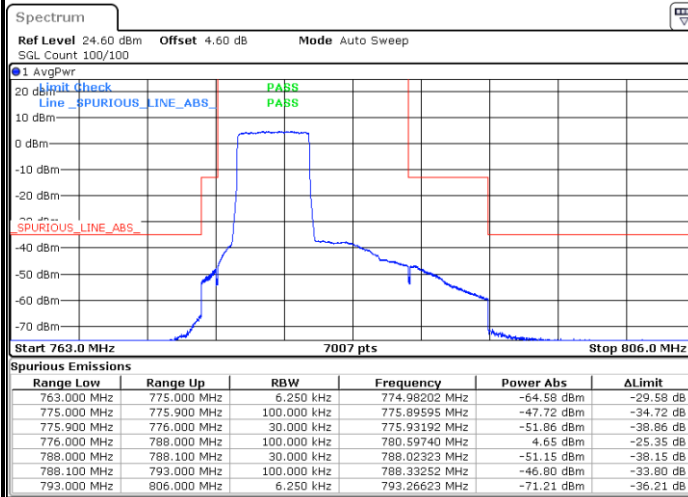
Lowest Band Edge / 1RB



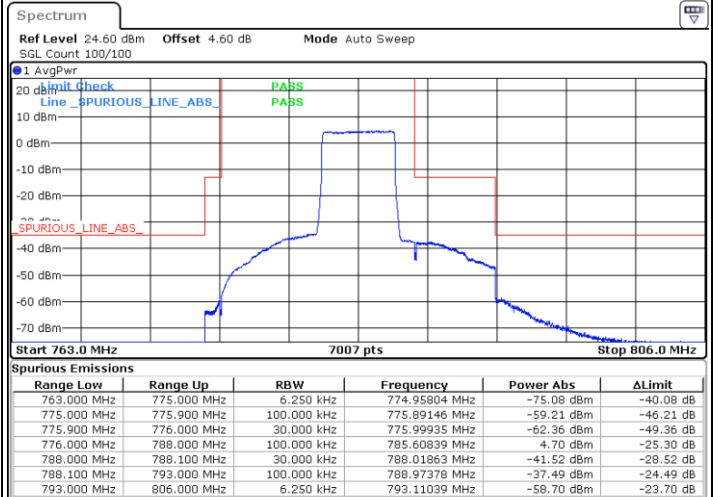
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



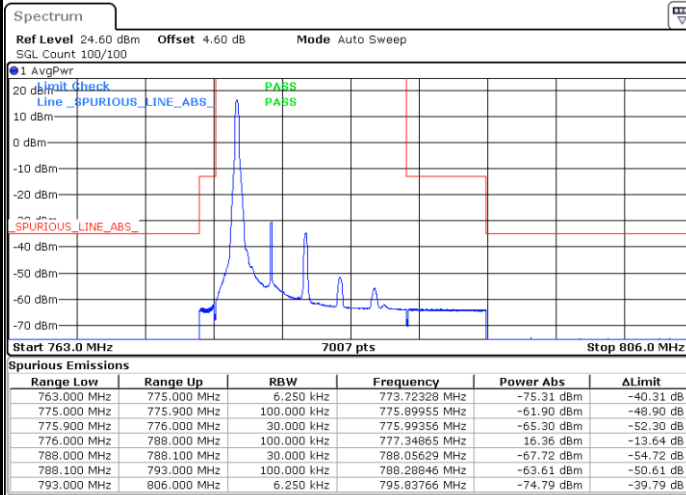
Highest Band Edge / Full RB





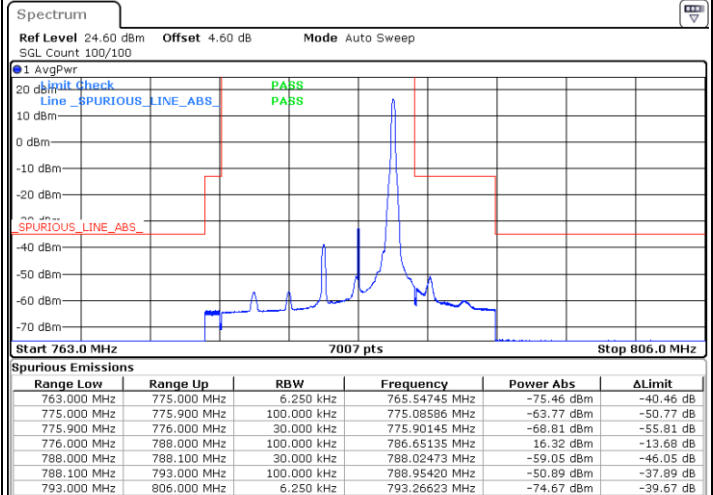
LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1RB



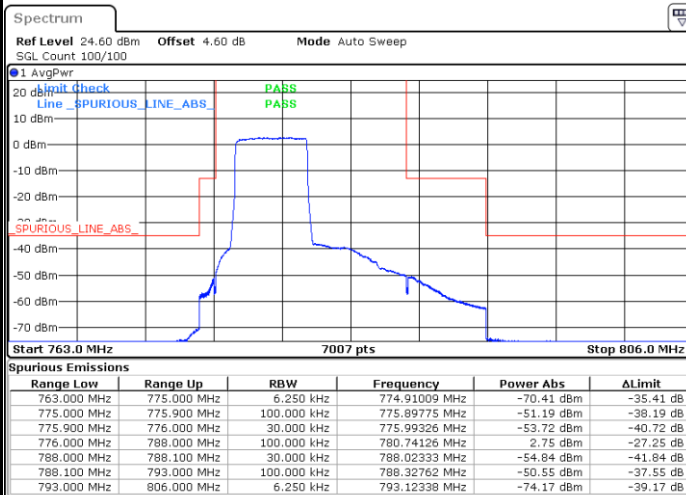
Date: 17.JUN.2024 08:48:57

Highest Band Edge / 1 RB



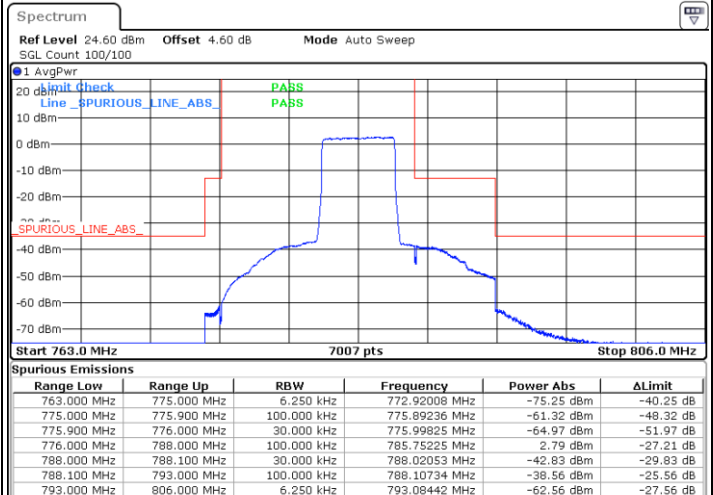
Date: 17.JUN.2024 09:11:56

Lowest Band Edge / Full RB



Date: 17.JUN.2024 08:56:23

Highest Band Edge / Full RB

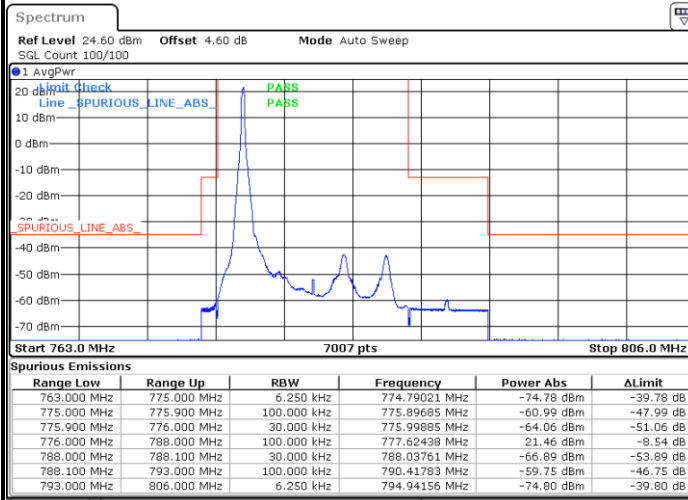


Date: 17.JUN.2024 09:28:22



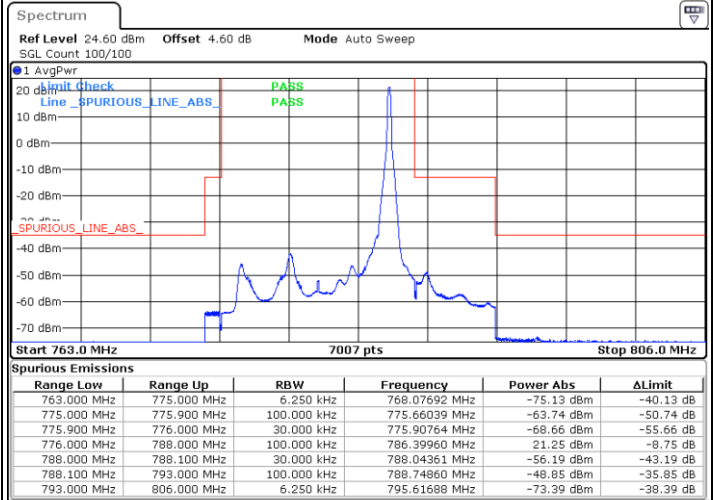
LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB



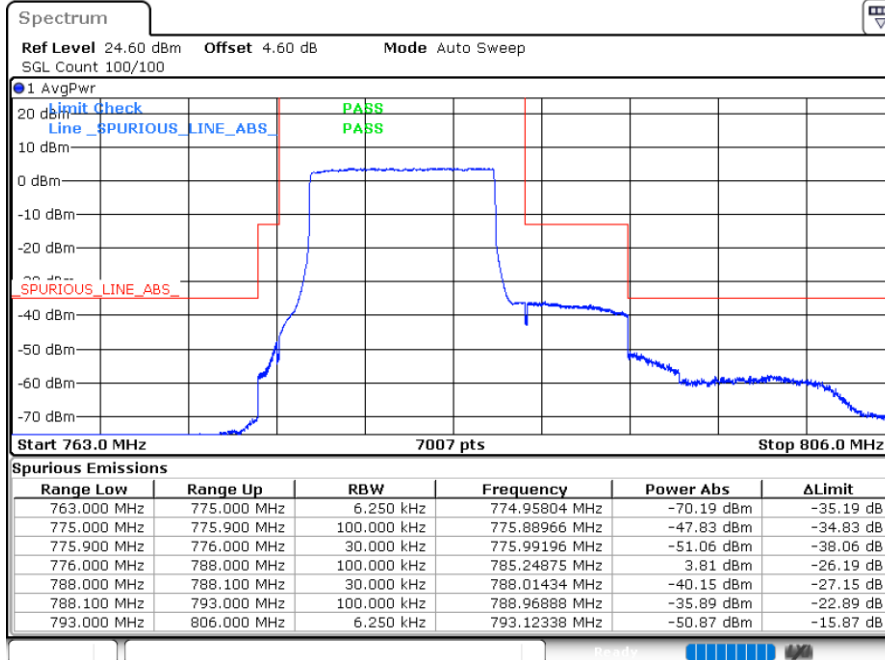
Date: 17.JUN.2024 09:32:37

middle Band Edge / 1 RB



Date: 17.JUN.2024 09:47:16

Middle Band Edge / Full RB

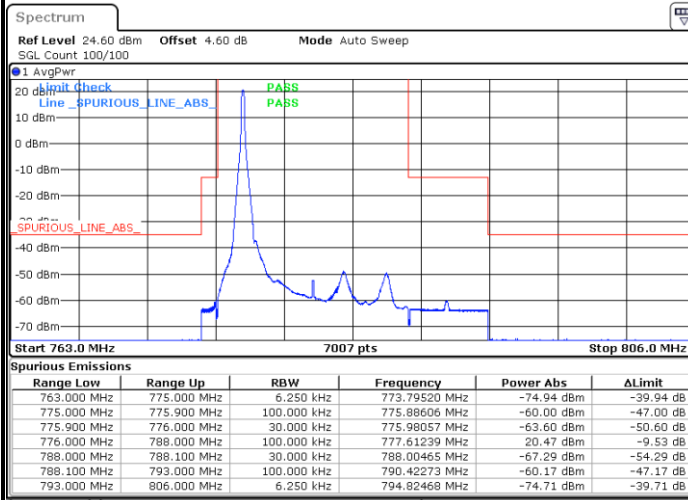


Date: 17.JUN.2024 09:39:56



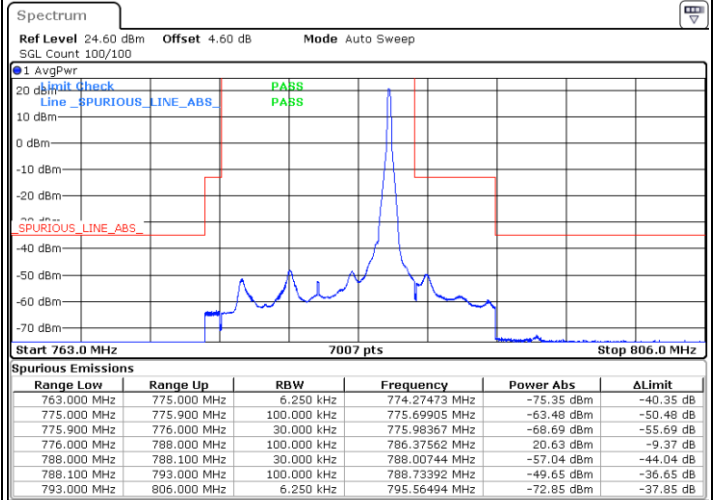
LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB



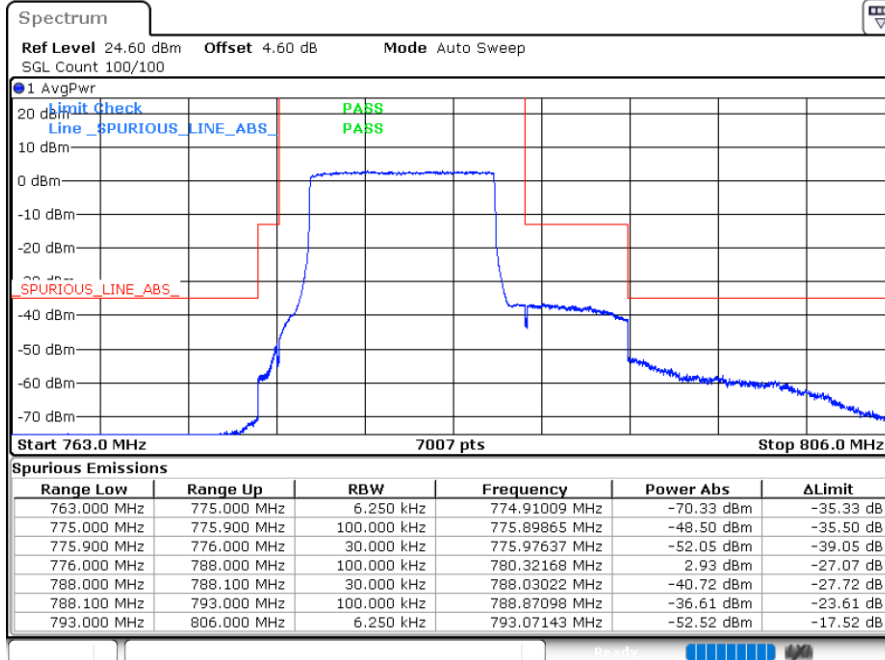
Date: 17.JUN.2024 09:34:27

middle Band Edge / 1 RB



Date: 17.JUN.2024 09:49:06

middle Band Edge / Full RB

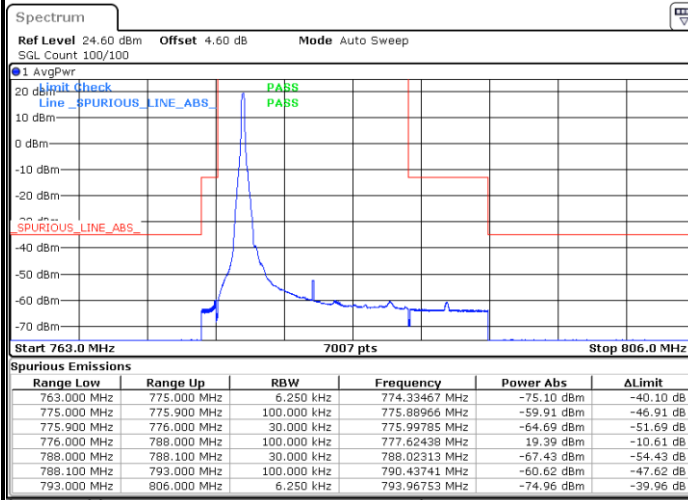


Date: 17.JUN.2024 09:41:46



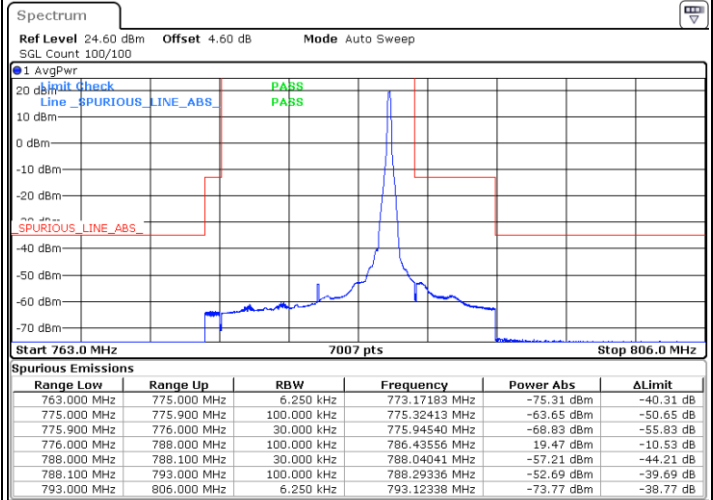
LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB



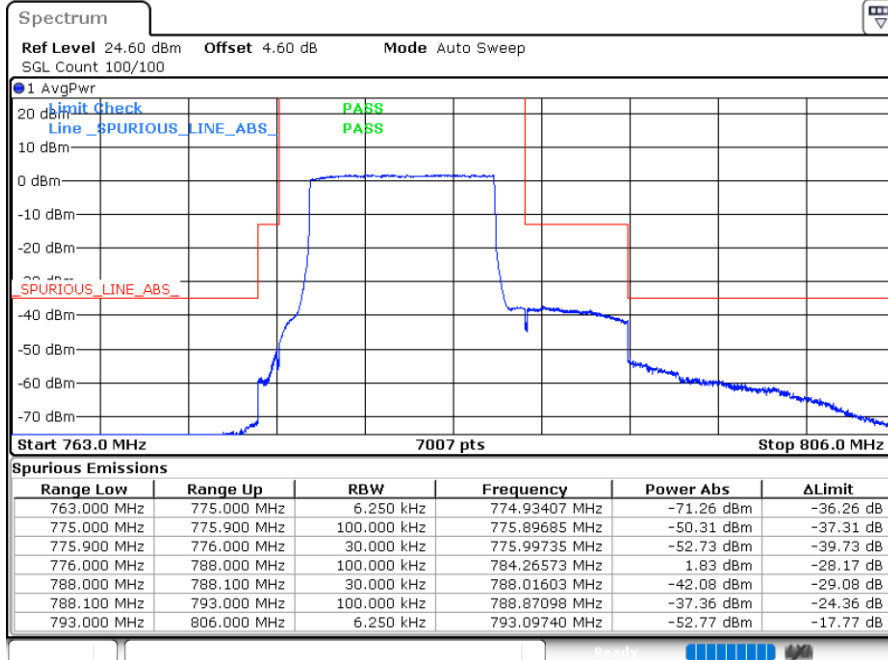
Date: 17.JUN.2024 09:36:16

middle Band Edge / 1 RB



Date: 17.JUN.2024 09:50:55

middle Band Edge / Full RB

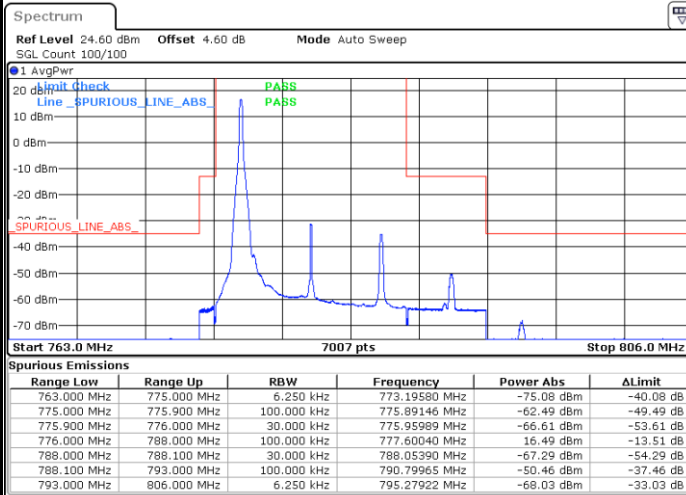


Date: 17.JUN.2024 09:43:36

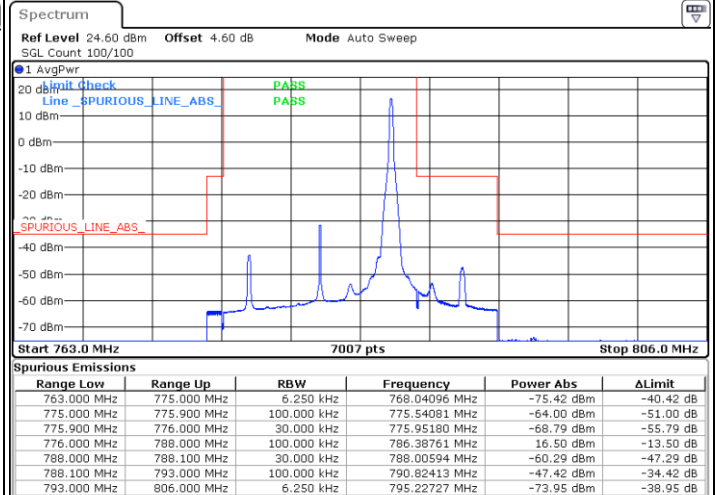


LTE Band 13 / 10MHz / 256QAM

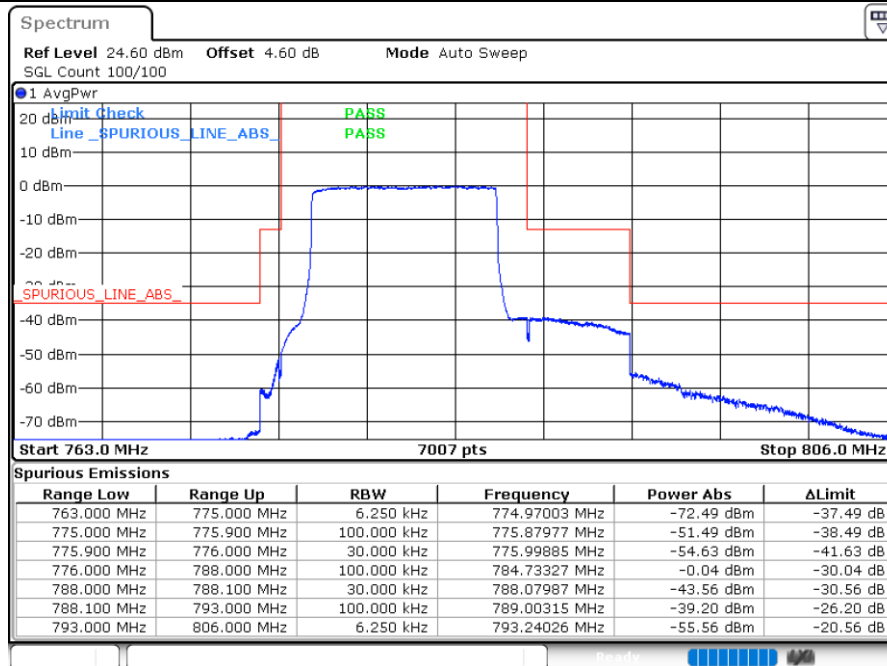
middle Band Edge / 1 RB



middle Band Edge / 1 RB

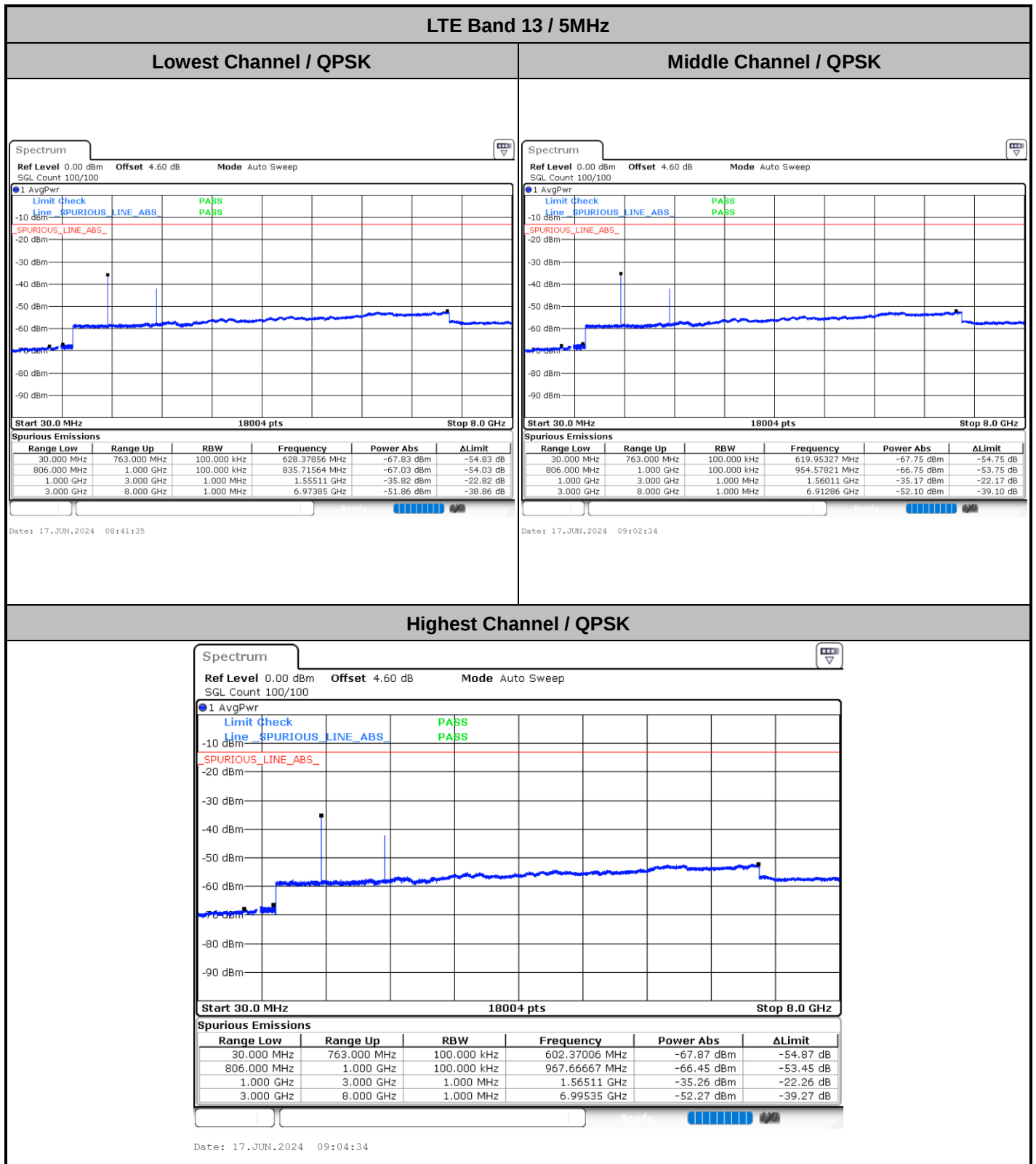


middle Band Edge / Full RB





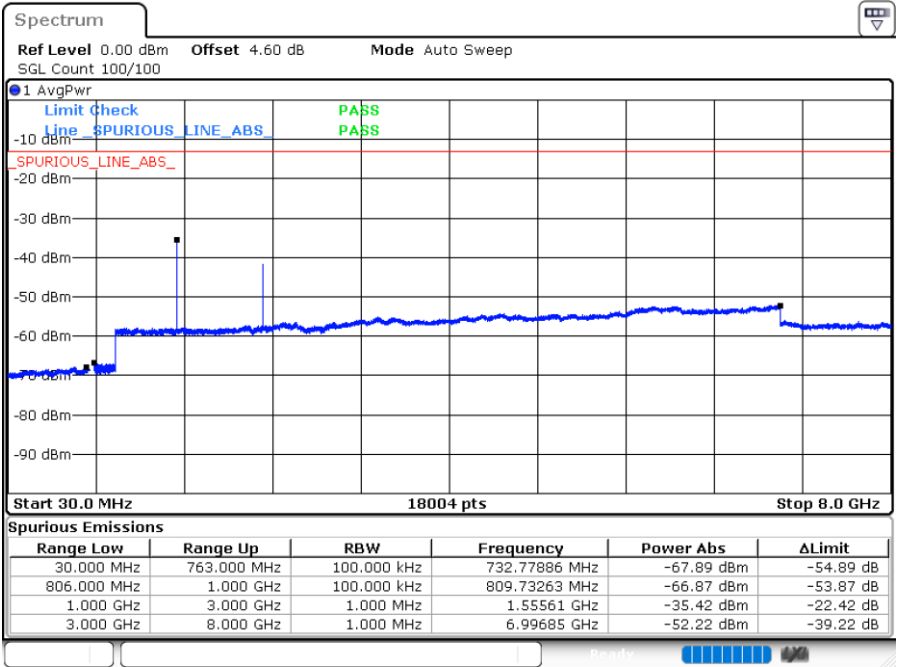
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 17.JUN.2024 09:30:47

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	0.0013	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0061	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0066	
-30	Normal Voltage	0.0079	
20	Maximum Voltage	0.0050	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

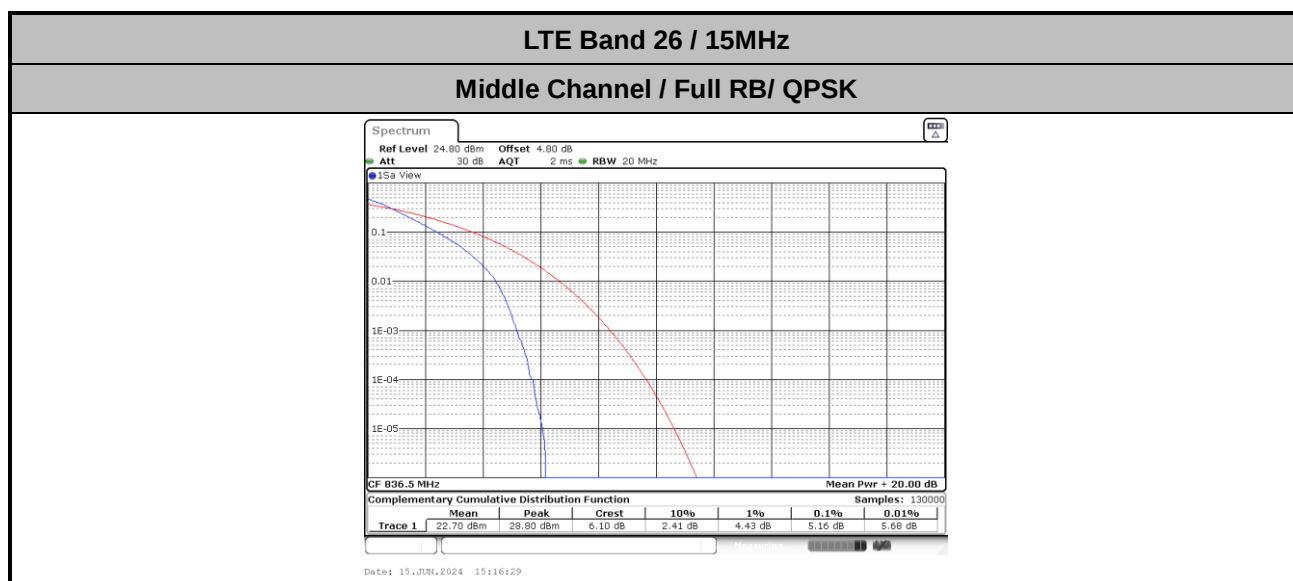
Note:

1. Normal Voltage =3.85 V. ; Minimum Voltage =3.5 V. ; Maximum Voltage =4.41 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 26

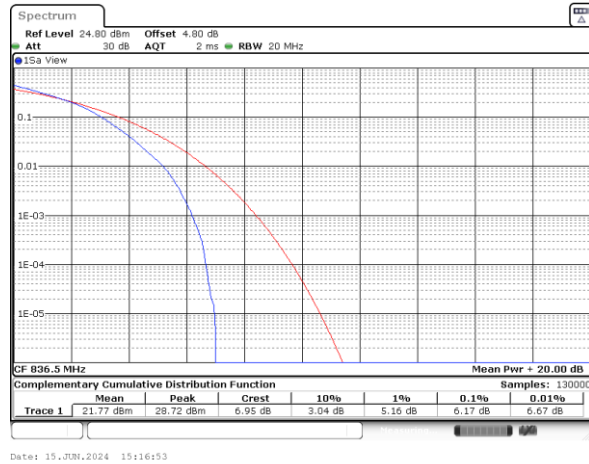
Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.16	6.17	6.75	PASS
Mode	LTE Band 26 / 15MHz			
Mod.	256QAM			Limit: 13dB
RB Size	Full RB			Result
Middle CH	6.90			PASS

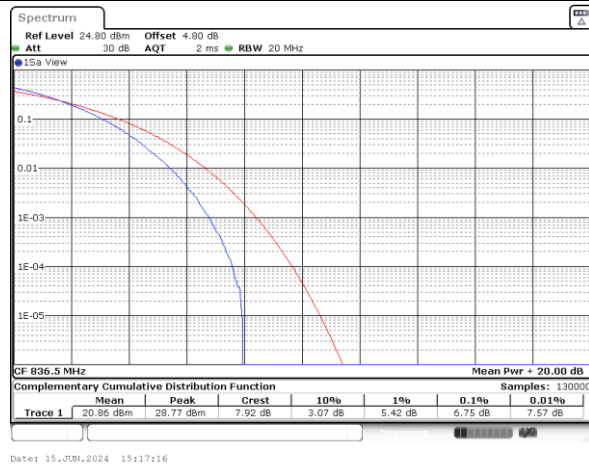




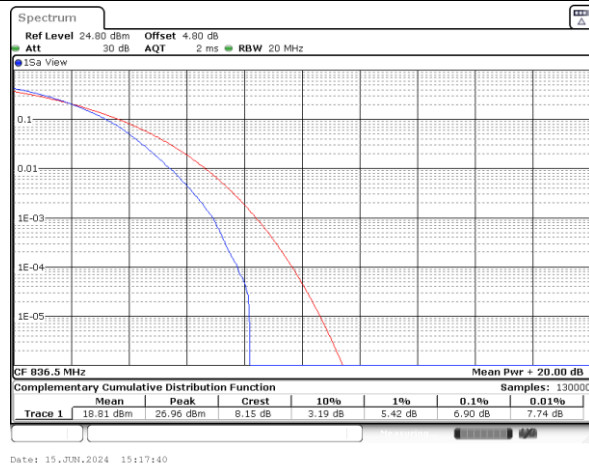
Middle Channel / Full RB/ 16QAM



Middle Channel / Full RB/ 64QAM

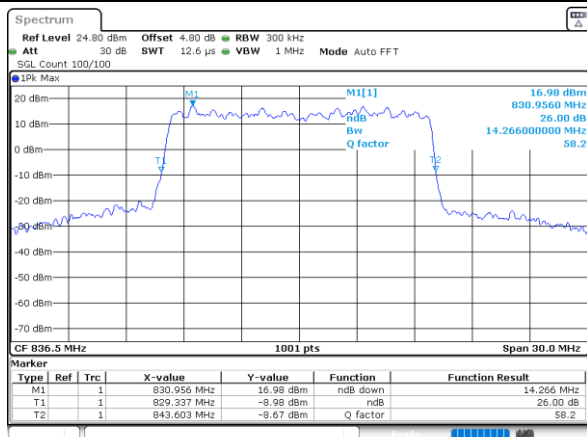


Middle Channel / Full RB/256QAM

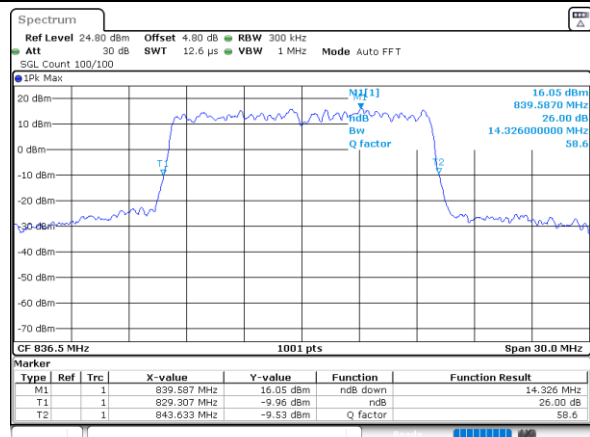


**26dB Bandwidth**

Mode	LTE Band 26 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.27	14.33
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.91	9.69
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.91	4.85
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.98	3.00
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.24	1.23

LTE Band 26**Middle Channel / 15MHz / QPSK**

Date: 15 JUN 2024 15:15:43

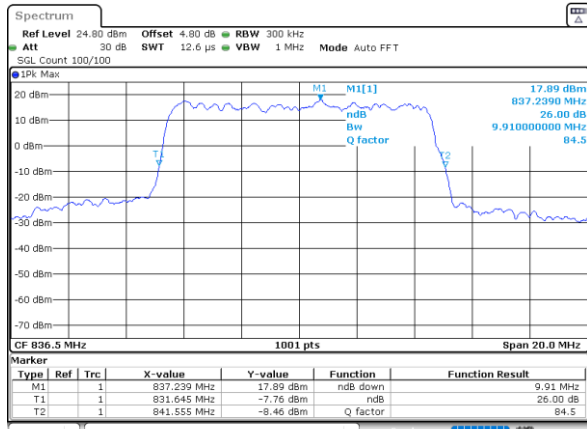
Middle Channel / 15MHz / 16QAM

Date: 15 JUN 2024 15:16:06

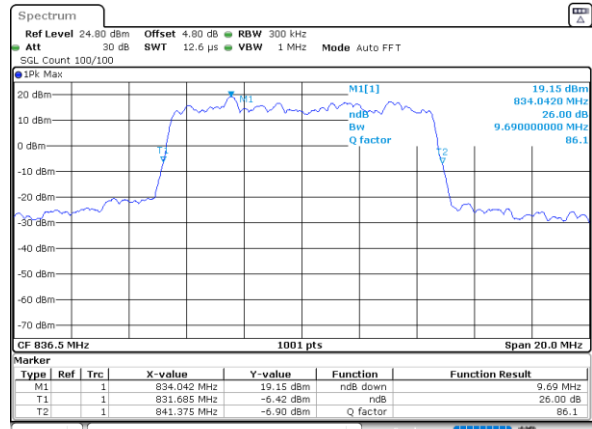


LTE Band 26

Middle Channel / 10MHz / QPSK

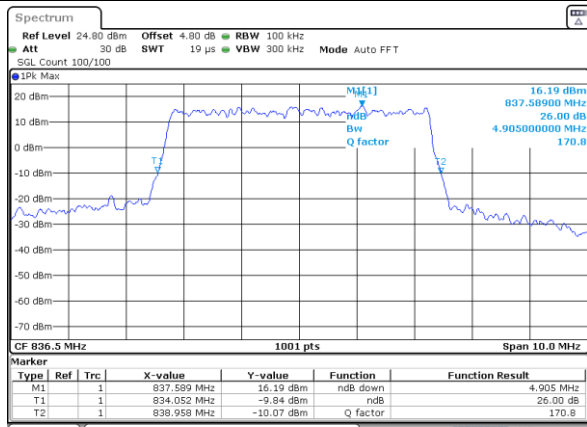


Middle Channel / 10MHz / 16QAM

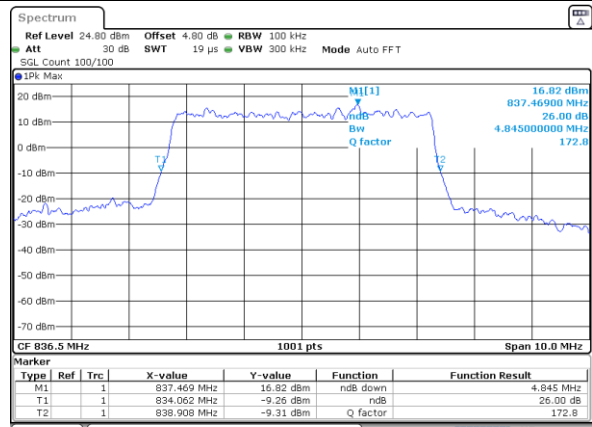


LTE Band 26

Middle Channel / 5MHz / QPSK

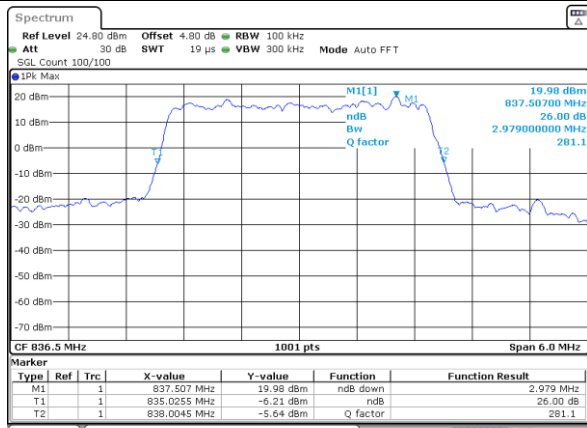


Middle Channel / 5MHz / 16QAM

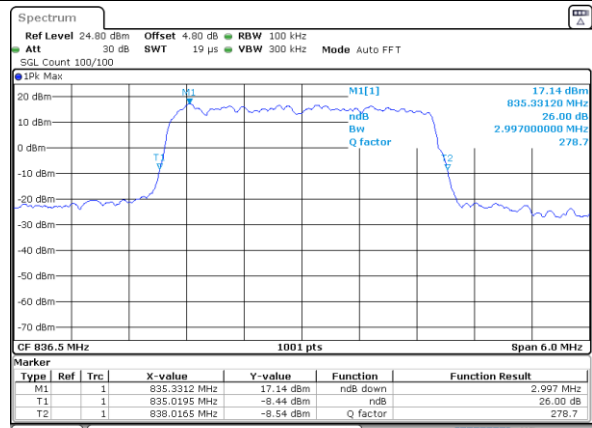


LTE Band 26

Middle Channel / 3MHz / QPSK



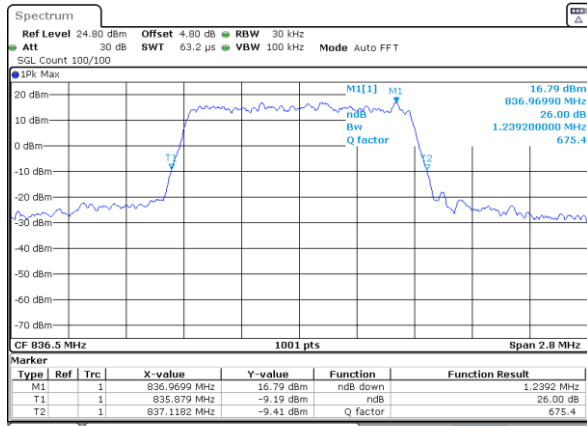
Middle Channel / 3MHz / 16QAM



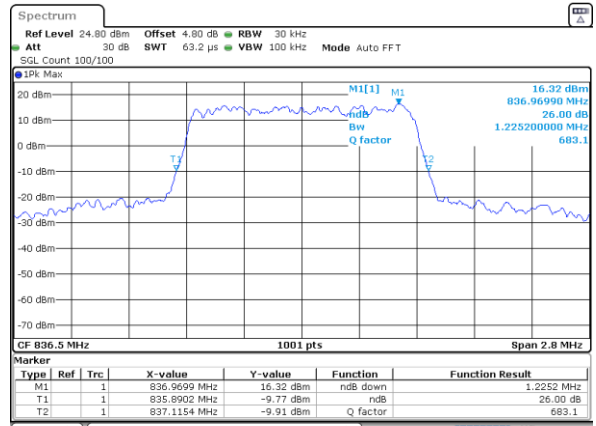


LTE Band 26

Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



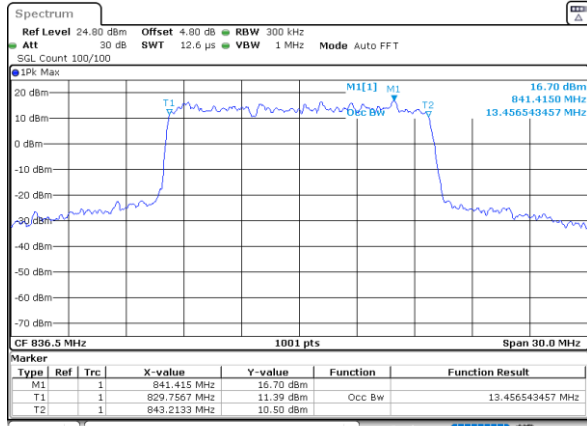
**Occupied Bandwidth**

Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.46	13.52
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	8.99
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.89	4.49
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.72	2.71
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09
BW	CH26790	
Mod.	QPSK	16QAM
Middle CH	13.43	13.52



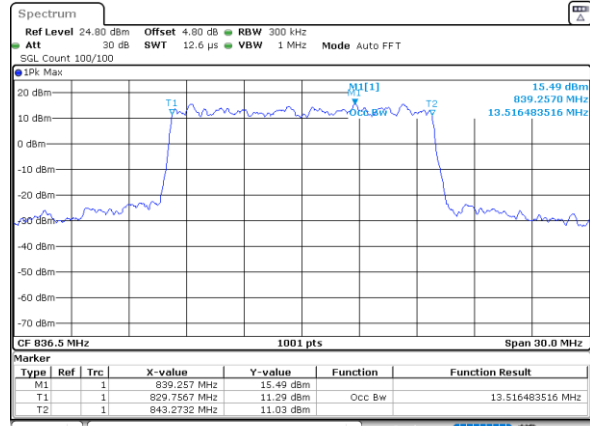
LTE Band 26

Middle Channel / 15MHz / QPSK



Date: 15 JUN 2024 15:14:59

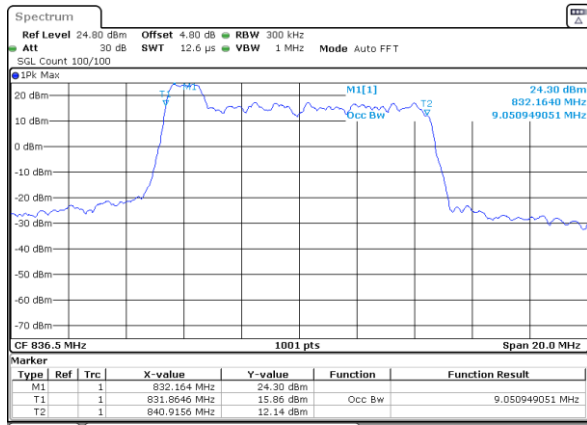
Middle Channel / 15MHz / 16QAM



Date: 15 JUN 2024 15:15:21

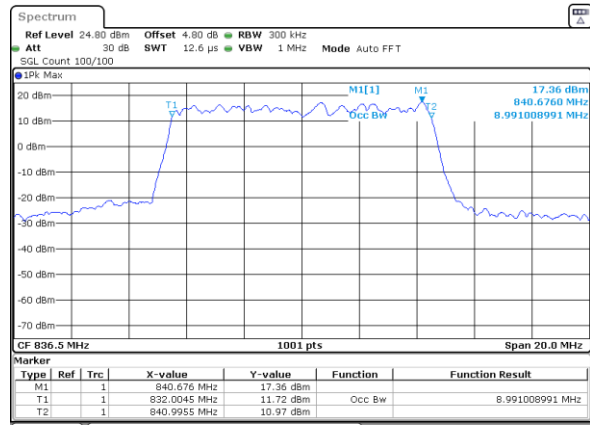
LTE Band 26

Middle Channel / 10MHz / QPSK



Date: 15 JUN 2024 15:22:39

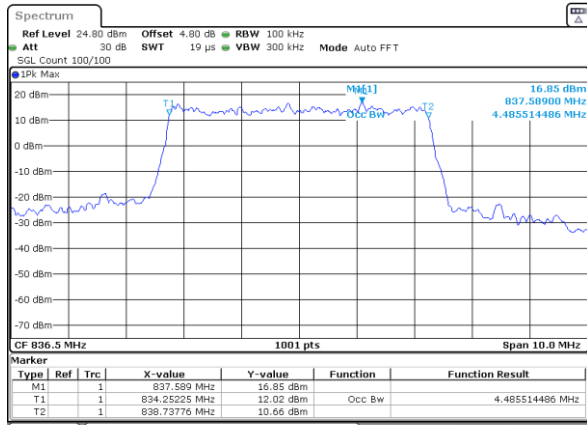
Middle Channel / 10MHz / 16QAM



Date: 15 JUN 2024 15:23:46

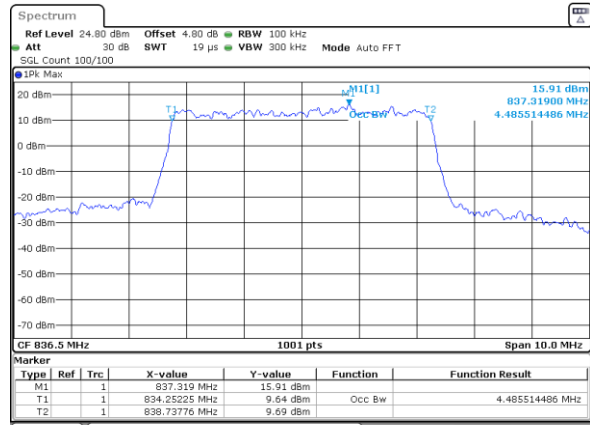
LTE Band 26

Middle Channel / 5MHz / QPSK



Date: 15 JUN 2024 15:24:09

Middle Channel / 5MHz / 16QAM

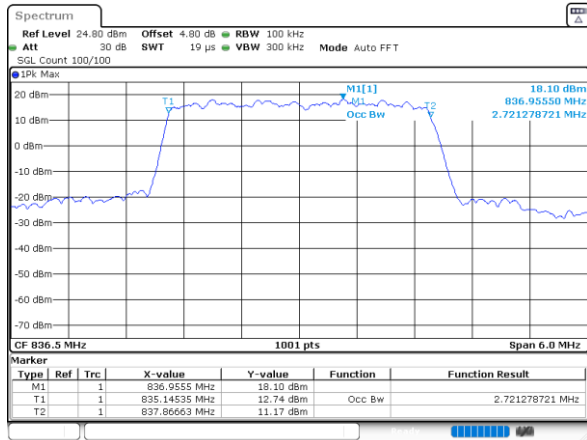


Date: 15 JUN 2024 15:25:15

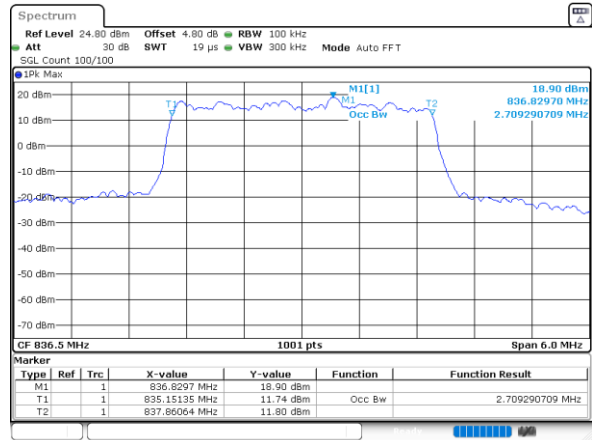


LTE Band 26

Middle Channel / 3MHz / QPSK

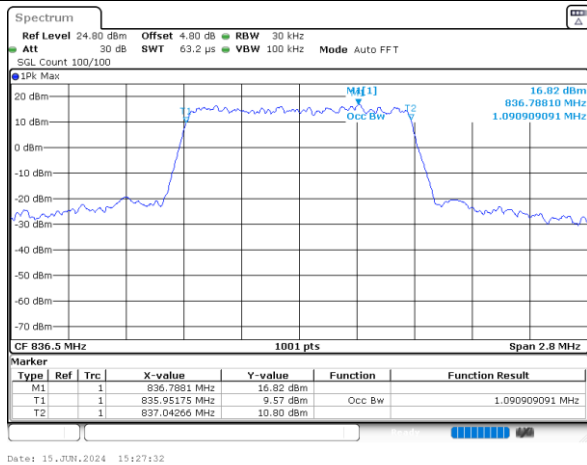


Middle Channel / 3MHz / 16QAM

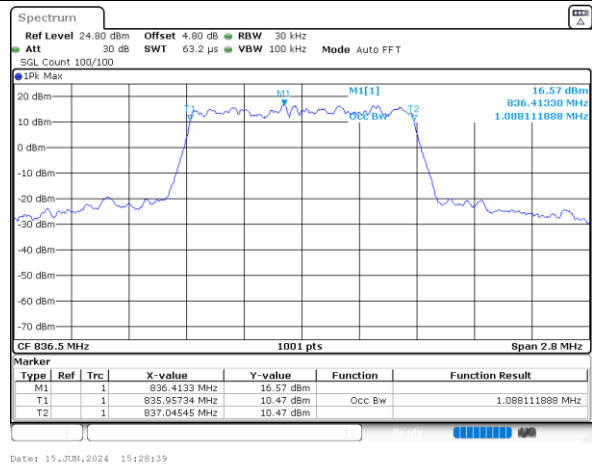


LTE Band 26

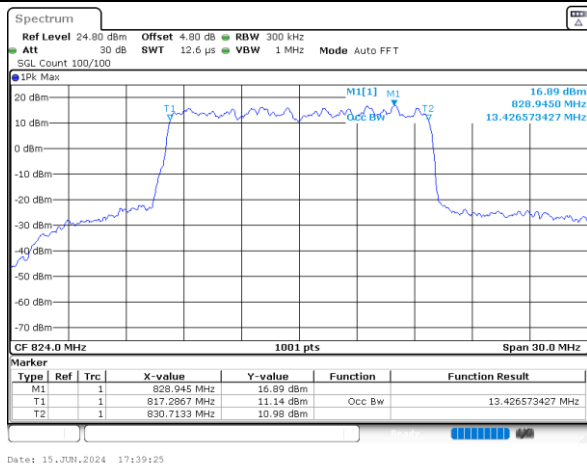
Middle Channel / 1.4MHz / QPSK



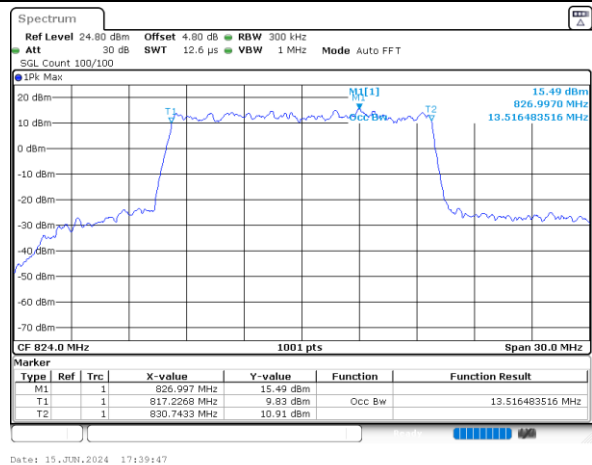
Middle Channel / 1.4MHz / 16QAM



Highest Channel / CH26790/ QPSK



Highest Channel / CH26790/ 16QAM

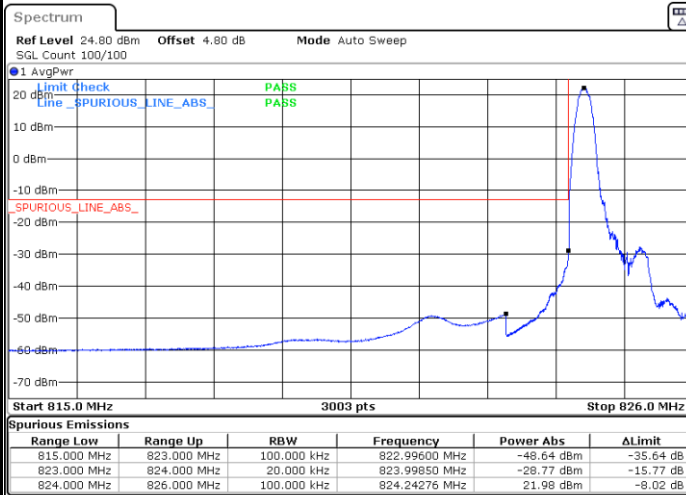




Conducted Band Edge

LTE Band 26 / 1.4MHz / QPSK

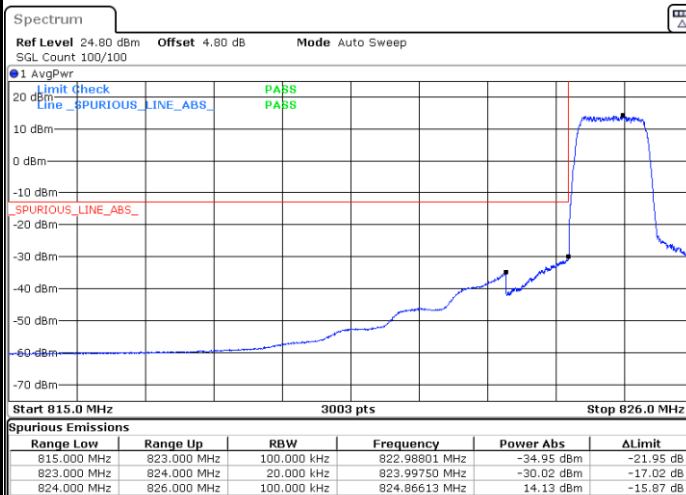
Lowest Band Edge / 1RB



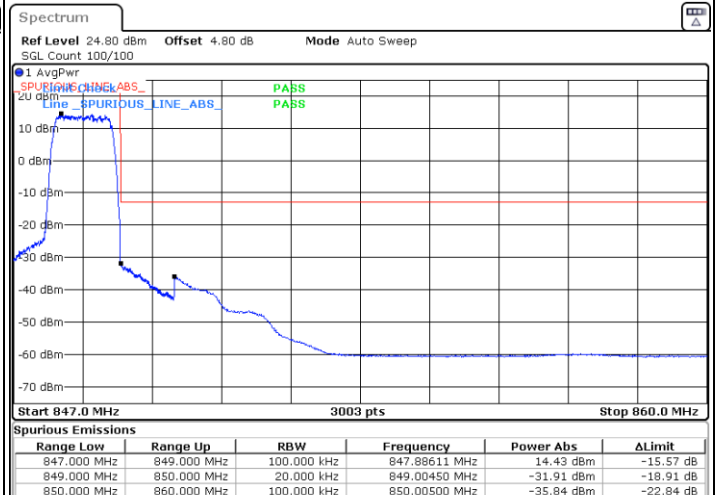
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



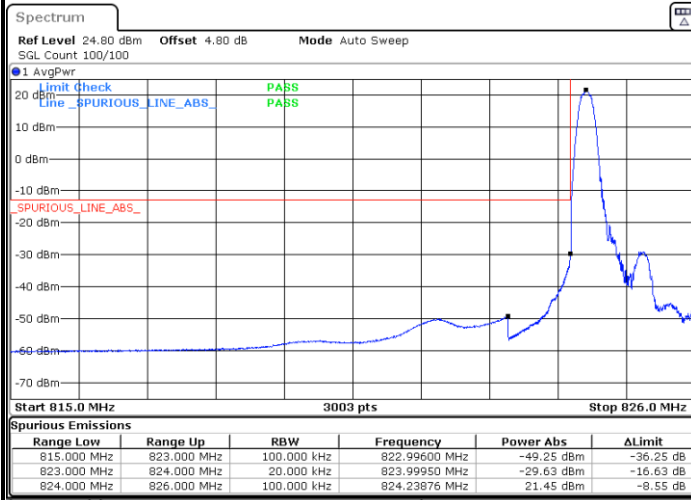
Highest Band Edge / Full RB



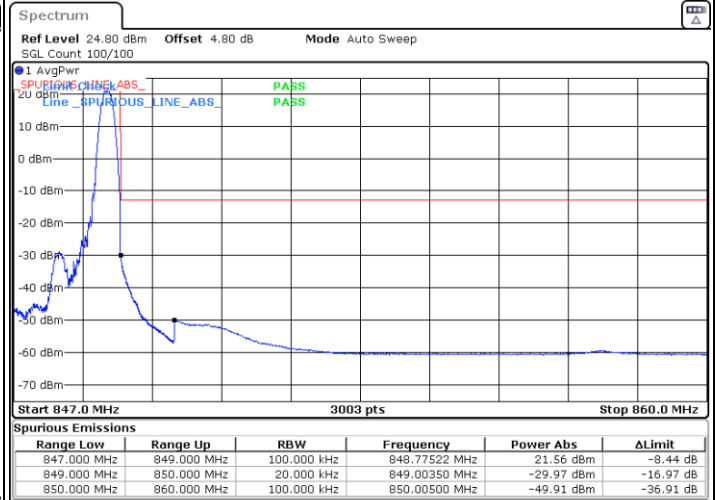


LTE Band 26 / 1.4MHz / 16QAM

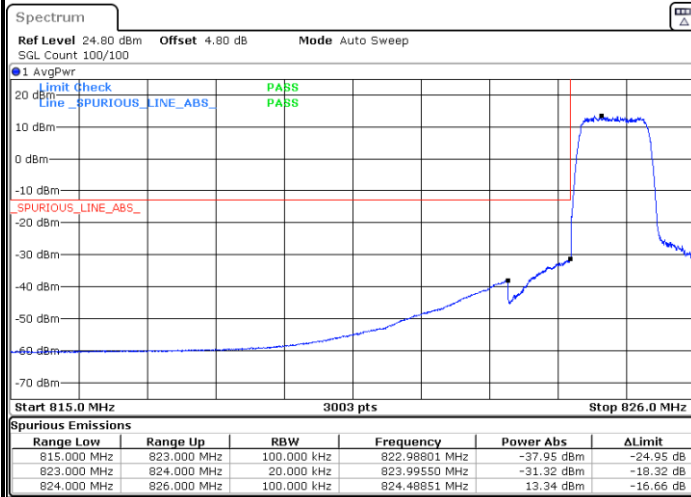
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



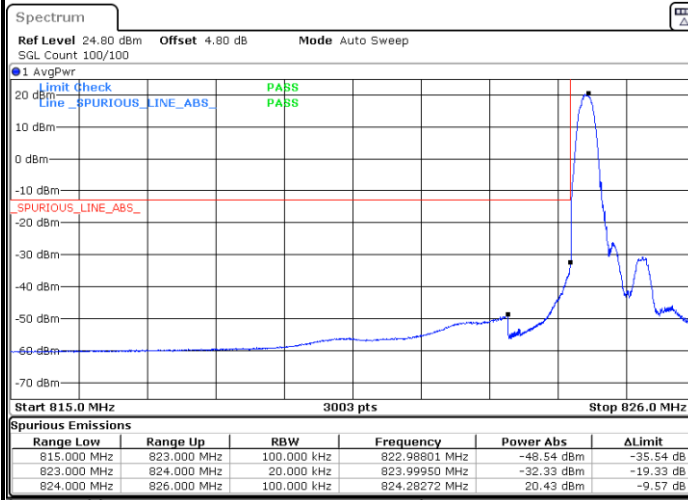
Highest Band Edge / Full RB



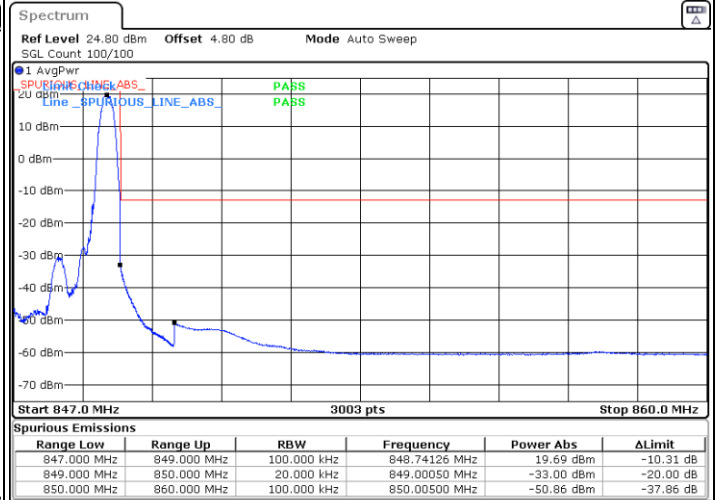


LTE Band 26 / 1.4MHz / 64QAM

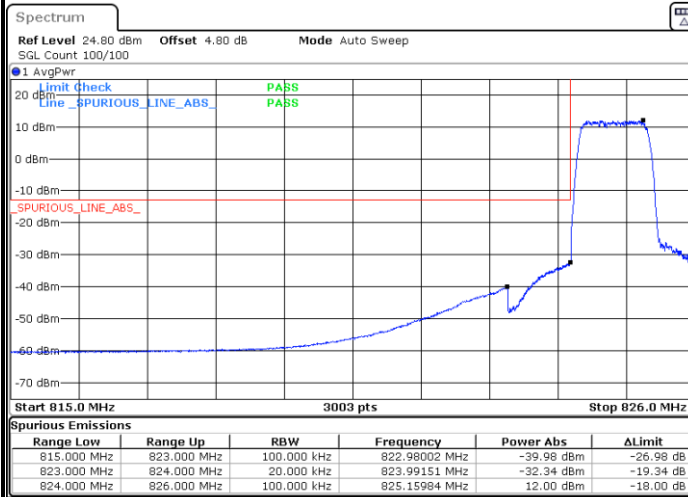
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



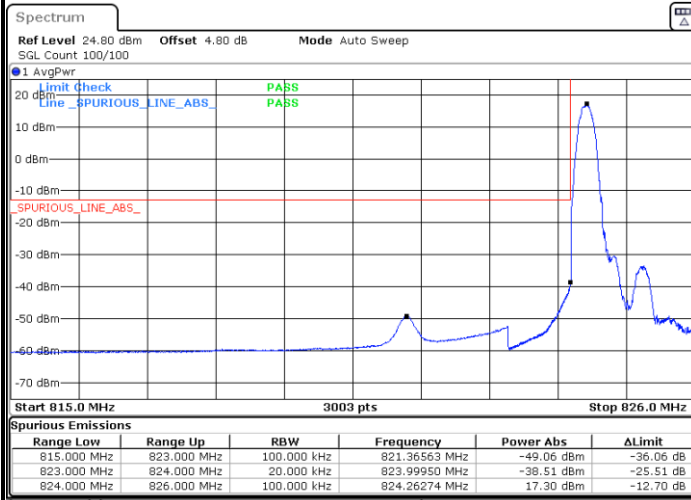
Highest Band Edge / Full RB



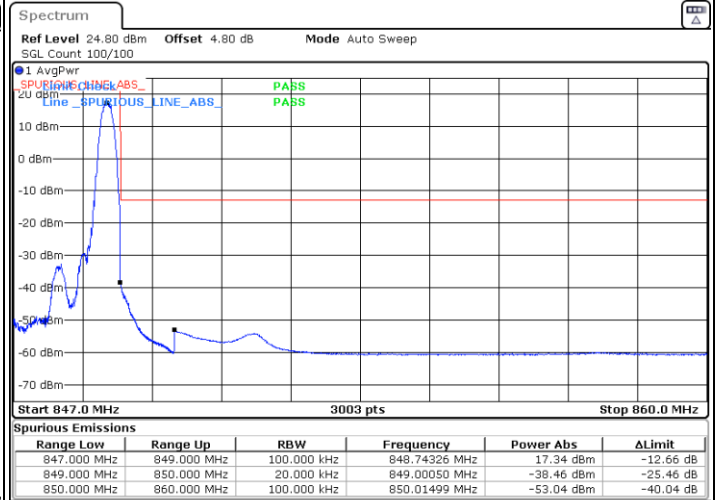


LTE Band 26 / 1.4MHz / 256QAM

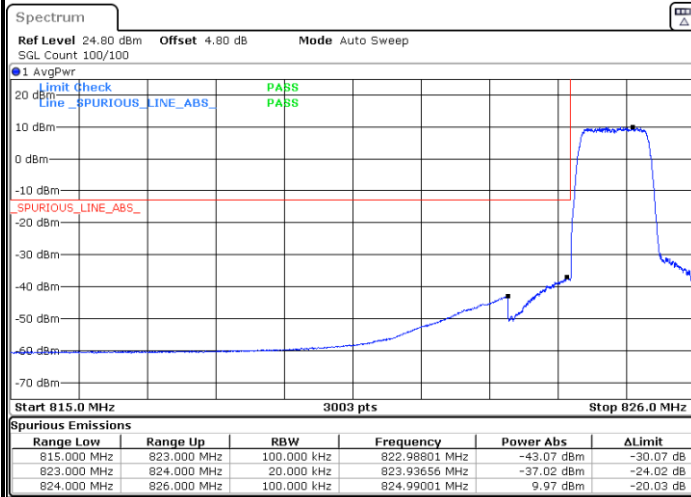
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



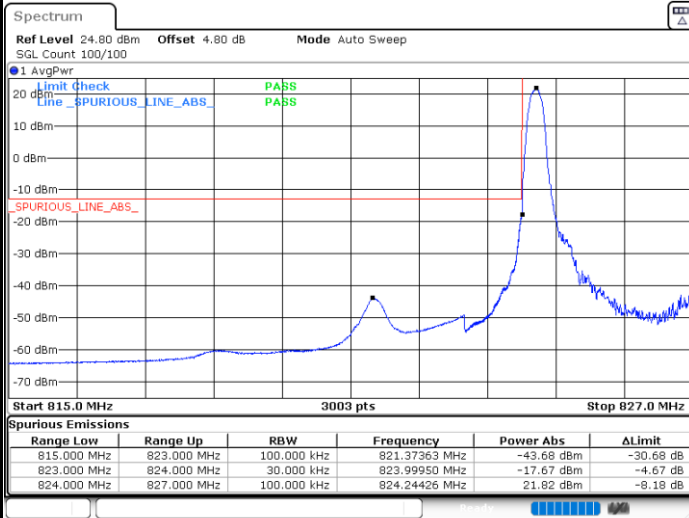
Highest Band Edge / Full RB



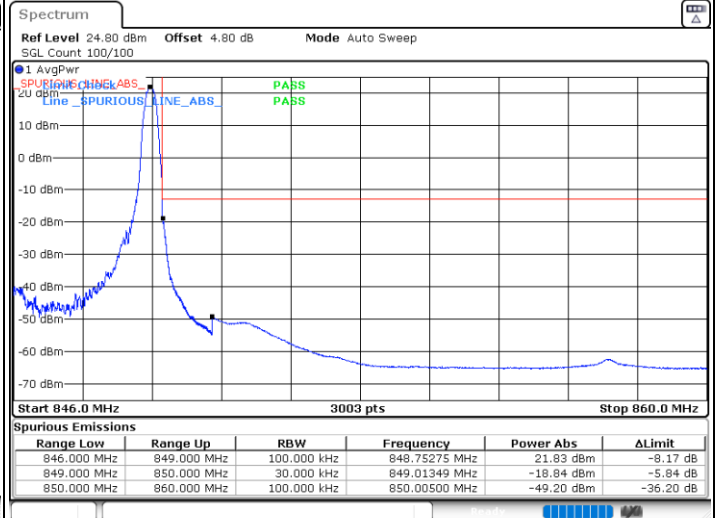


LTE Band 26 / 3MHz / QPSK

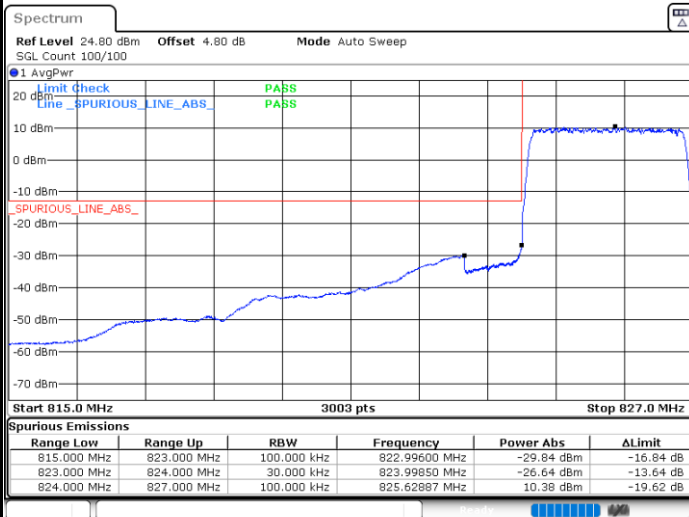
Lowest Band Edge / 1RB



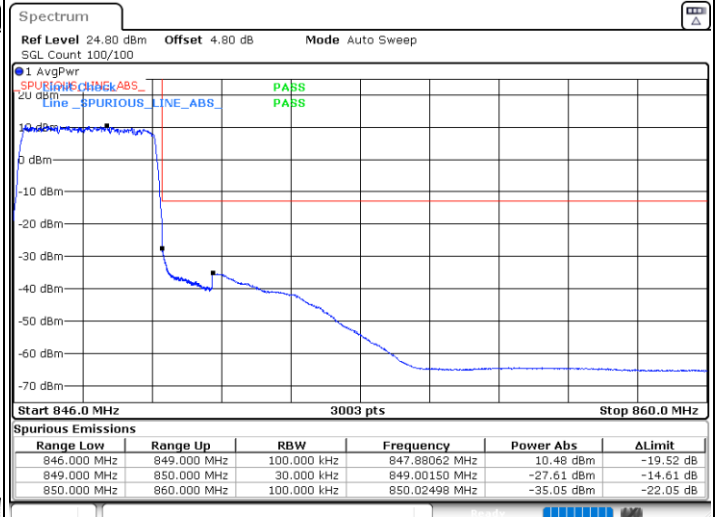
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



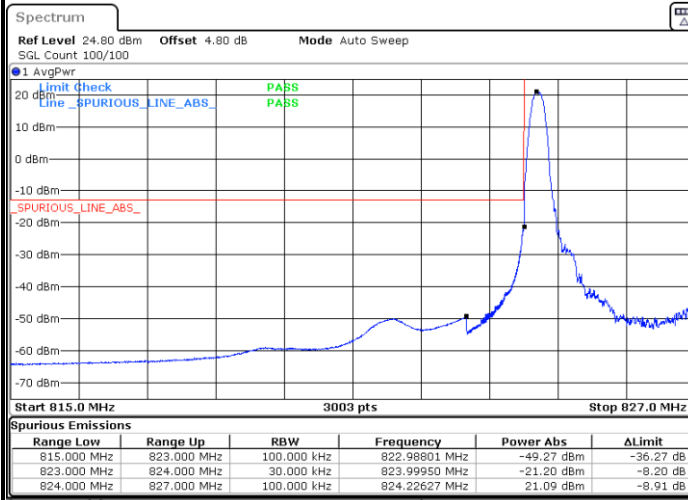
Highest Band Edge / Full RB



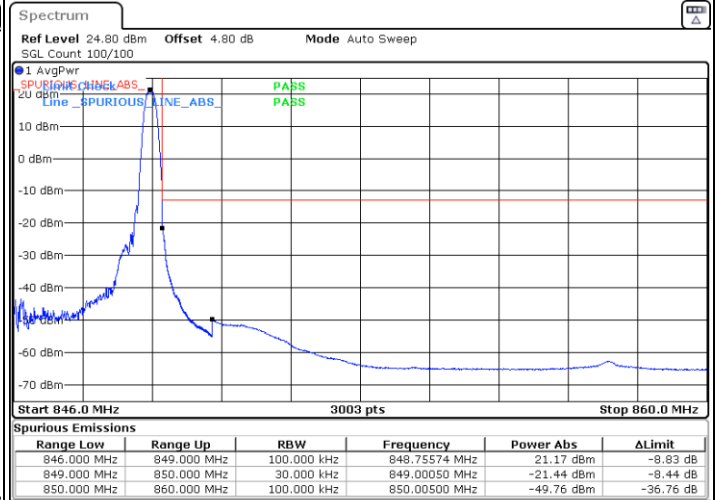


LTE Band 26 / 3MHz / 16QAM

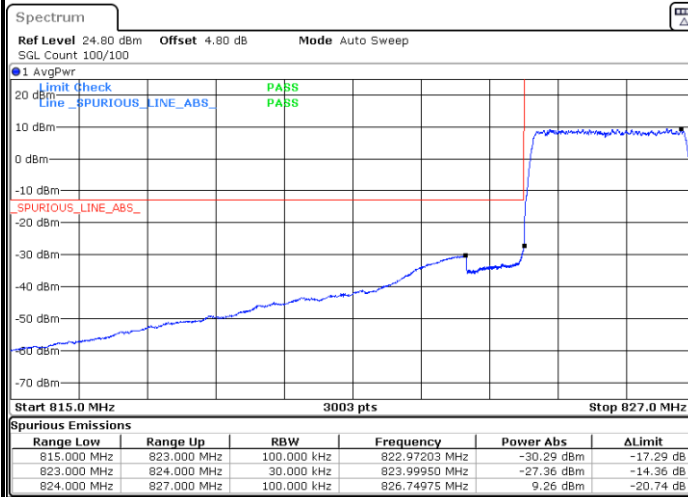
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

