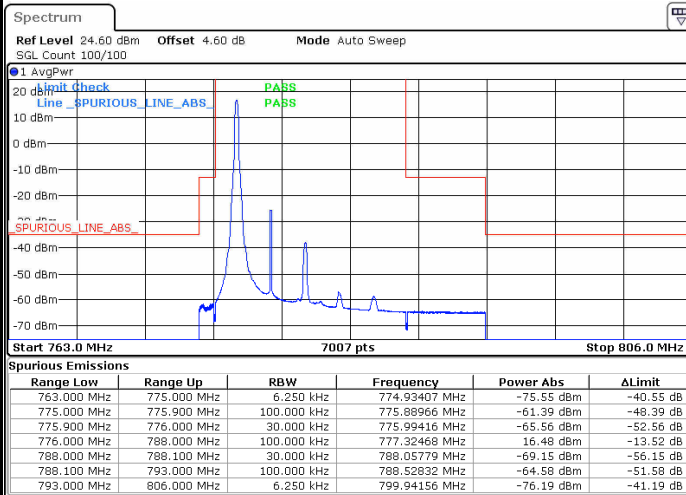




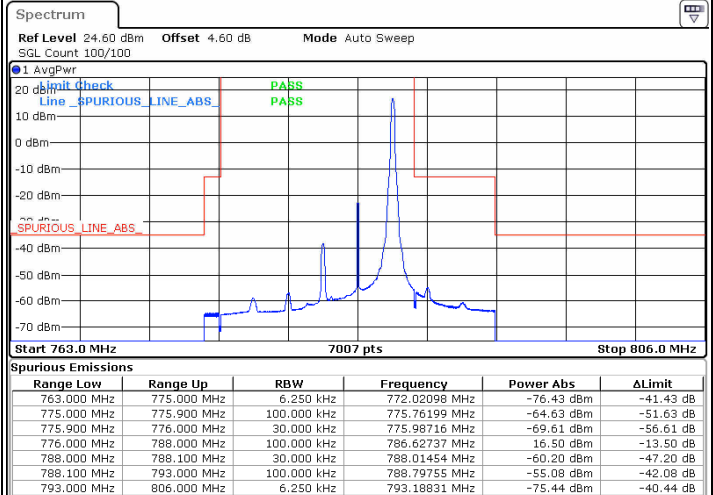
LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1RB



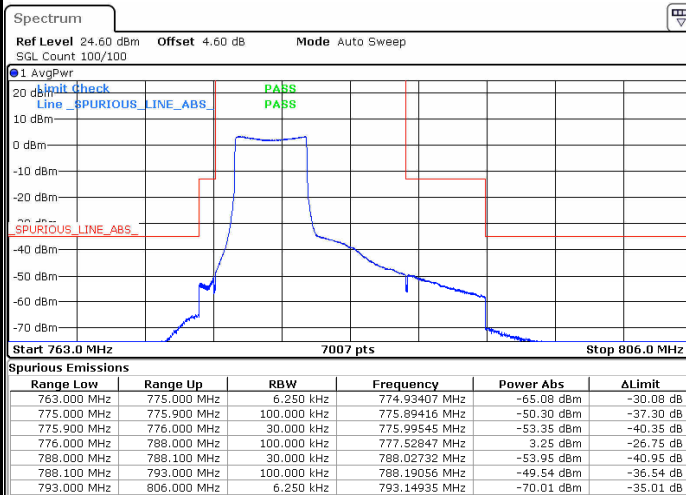
Date: 11.NOV.2024 05:15:33

Highest Band Edge / 1 RB



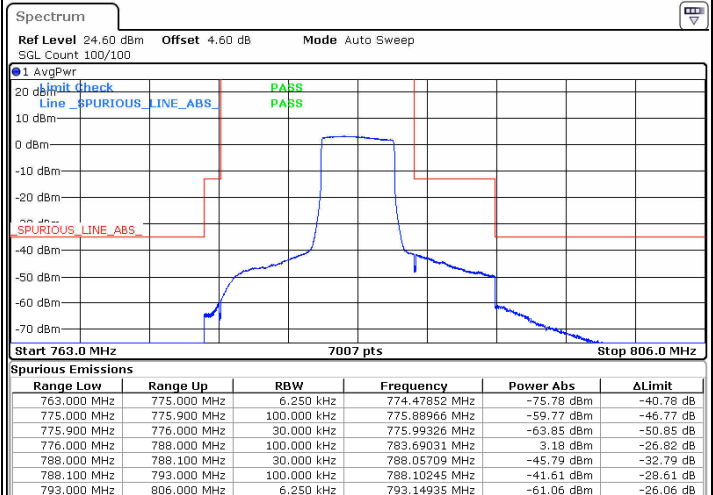
Date: 11.NOV.2024 05:33:53

Lowest Band Edge / Full RB



Date: 11.NOV.2024 05:23:00

Highest Band Edge / Full RB

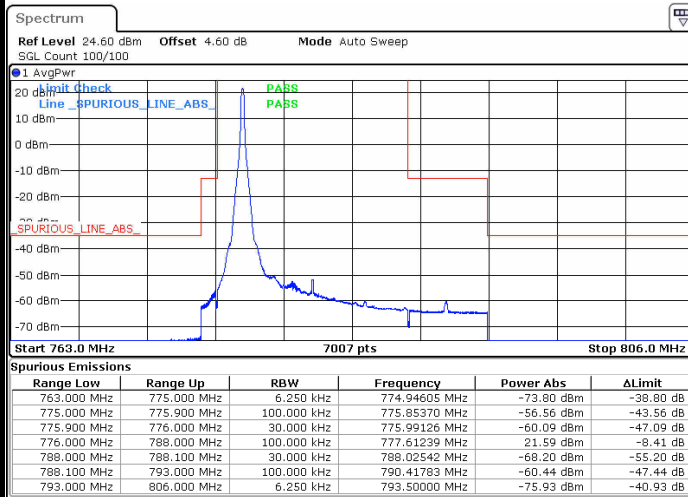


Date: 11.NOV.2024 05:41:16



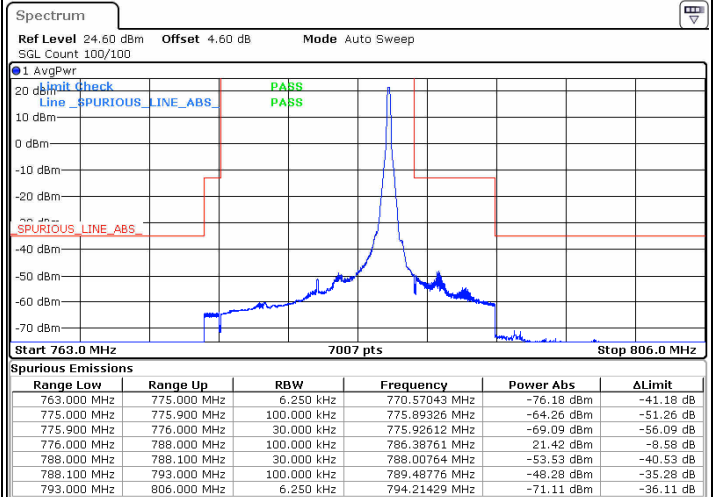
LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB



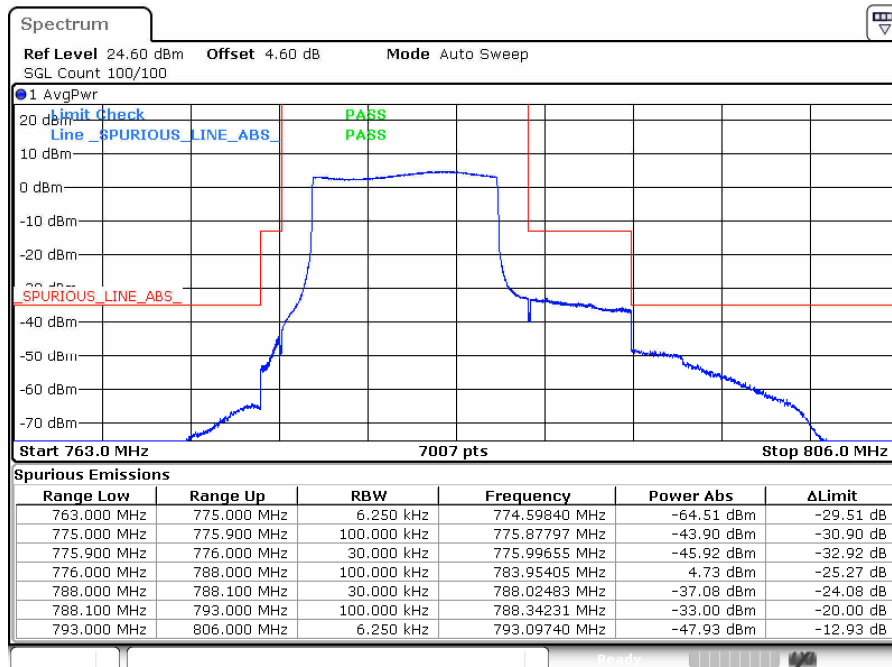
Date: 11.NOV.2024 05:48:05

middle Band Edge / 1 RB



Date: 11.NOV.2024 06:04:26

Middle Band Edge / Full RB

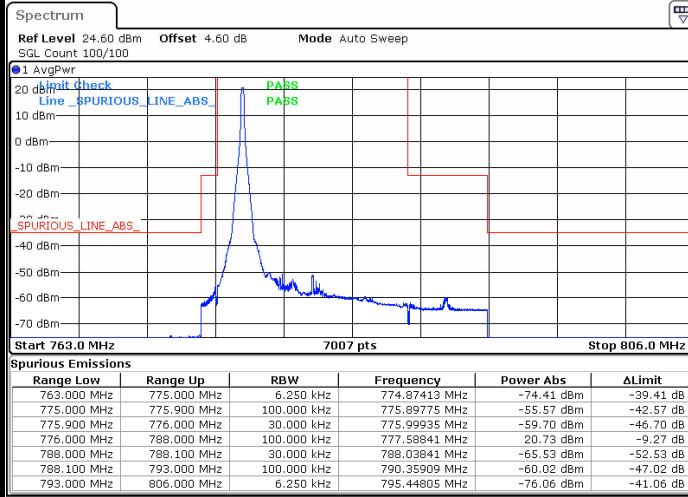


Date: 11.NOV.2024 05:55:24



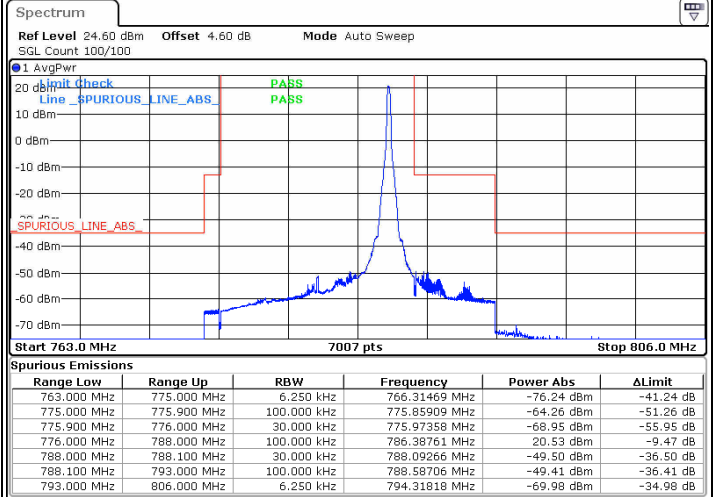
LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB



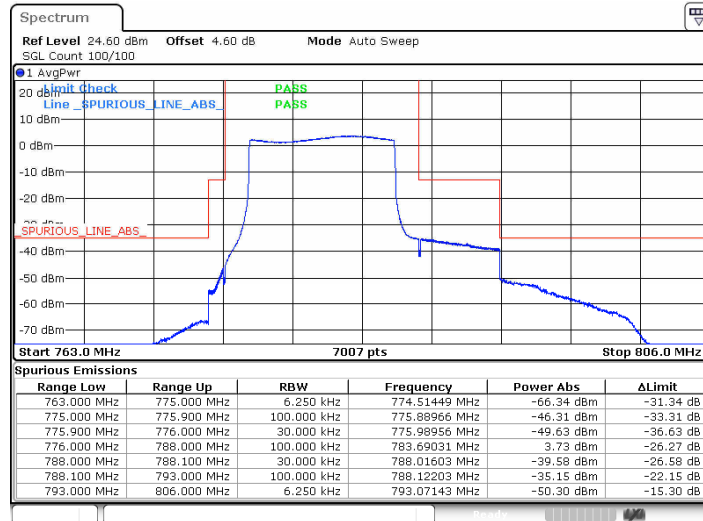
Date: 11.NOV.2024 05:49:55

middle Band Edge / 1 RB



Date: 11.NOV.2024 06:06:16

middle Band Edge / Full RB

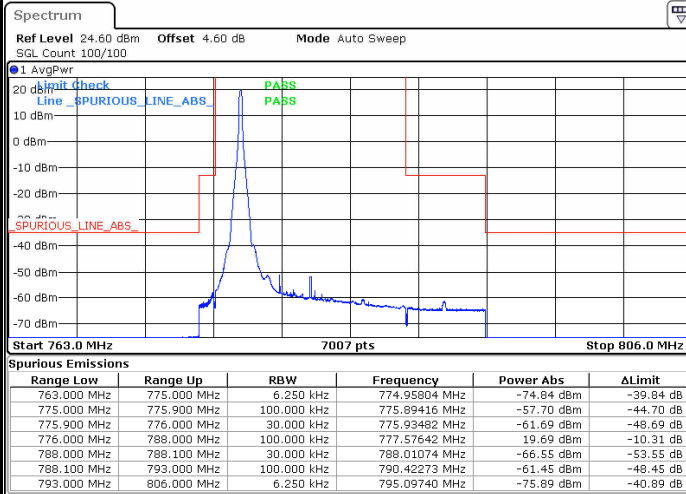


Date: 11.NOV.2024 05:57:13



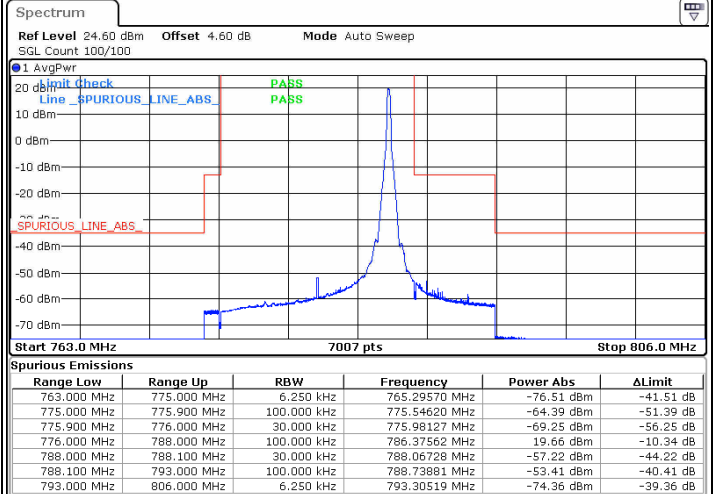
LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB



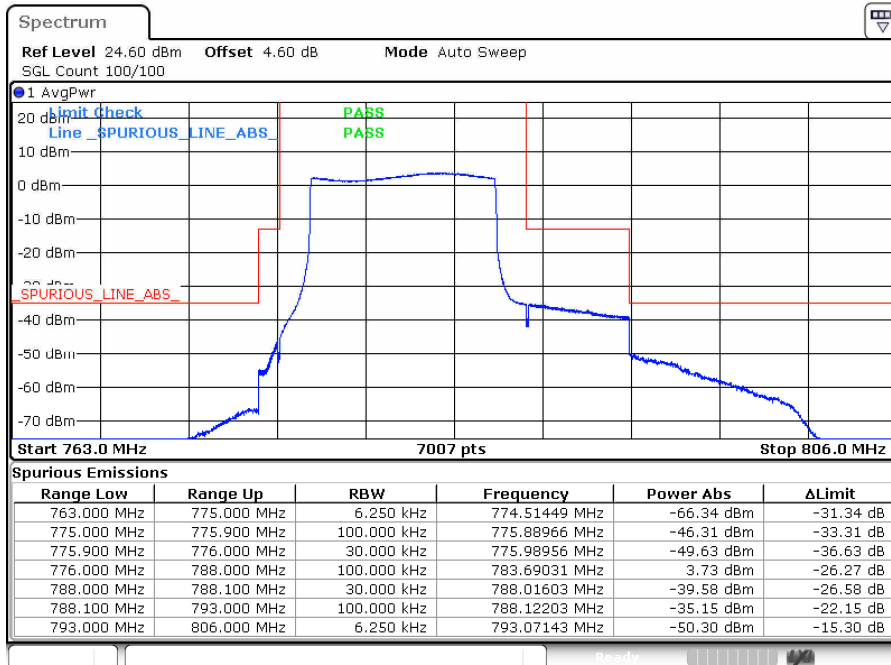
Date: 11.NOV.2024 05:51:44

middle Band Edge / 1 RB



Date: 11.NOV.2024 06:08:06

middle Band Edge / Full RB

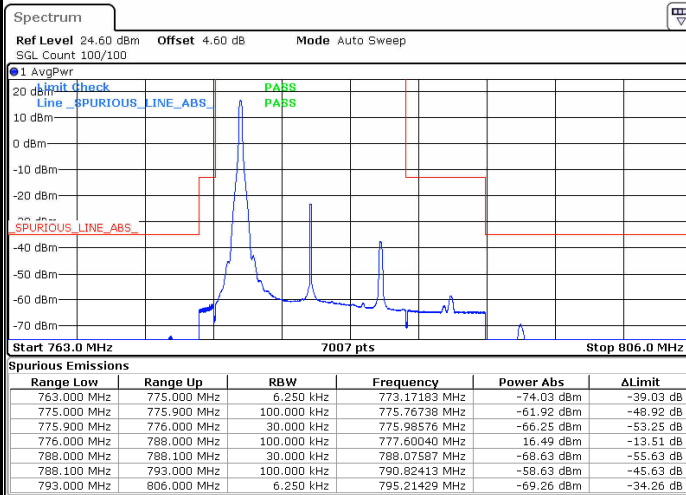


Date: 11.NOV.2024 05:57:13



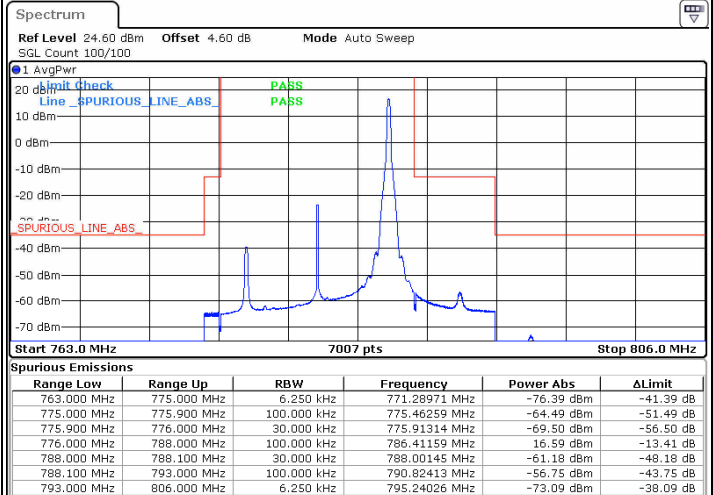
LTE Band 13 / 10MHz / 256QAM

middle Band Edge / 1 RB



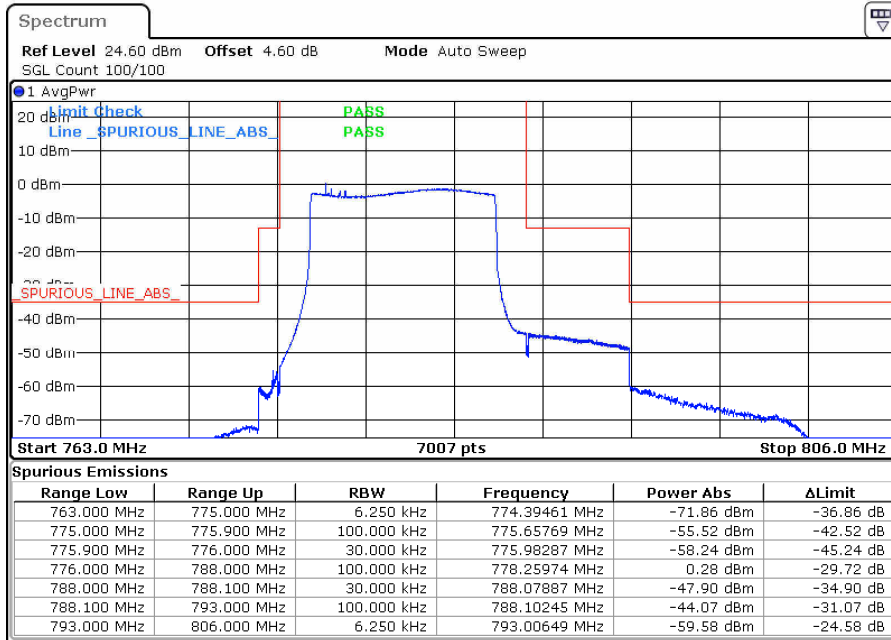
Date: 11.NOV.2024 05:53:34

middle Band Edge / 1 RB



Date: 11.NOV.2024 06:09:56

middle Band Edge / Full RB



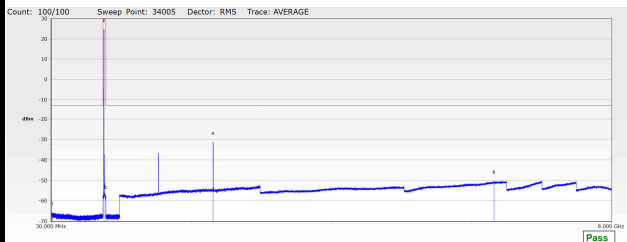
Date: 11.NOV.2024 06:00:52



Conducted Spurious Emission

LTE Band 13 / 5MHz

Lowest Channel / QPSK

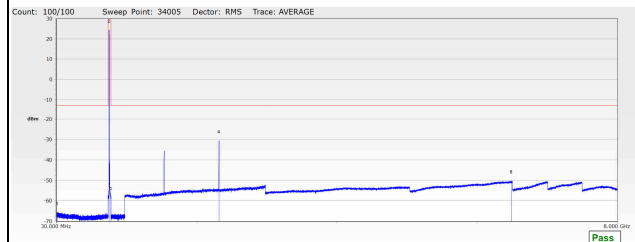


Item	Range Low	Range Up	RBW	VBW	Frequency	Power Abs	Limit	Limit	Path Loss Factor	DCC	APS
1	30.000 MHz	763.000 MHz	1 MHz	3 MHz	46.2500 MHz	-50.000 dBm	-52.000 dB	-13.000 dBm	4.973 dB	---	---
2	763.000 MHz	806.000 MHz	1 MHz	3 MHz	777.3600 MHz	-24.708 dBm	-5.292 dB	-30.000 dBm	4.984 dB	---	---
3	806.000 MHz	1.000 GHz	1 MHz	3 MHz	806.00000 MHz	-57.844 dBm	-88.844 dB	-13.000 dBm	5.055 dB	---	---
4	1.000 GHz	3.000 GHz	1 MHz	3 MHz	2.34700 GHz	-30.571 dBm	-17.571 dB	-13.000 dBm	6.486 dB	---	---
5	3.000 GHz	8.000 GHz	1 MHz	3 MHz	6.49500 GHz	-50.282 dBm	-37.282 dB	-13.000 dBm	8.294 dB	---	---

Note: DCC = Duty Cycle Correction / APS = Antenna Port Summation
Ver 1.1(20241209)

2025-05-06 14:00:23

Middle Channel / QPSK

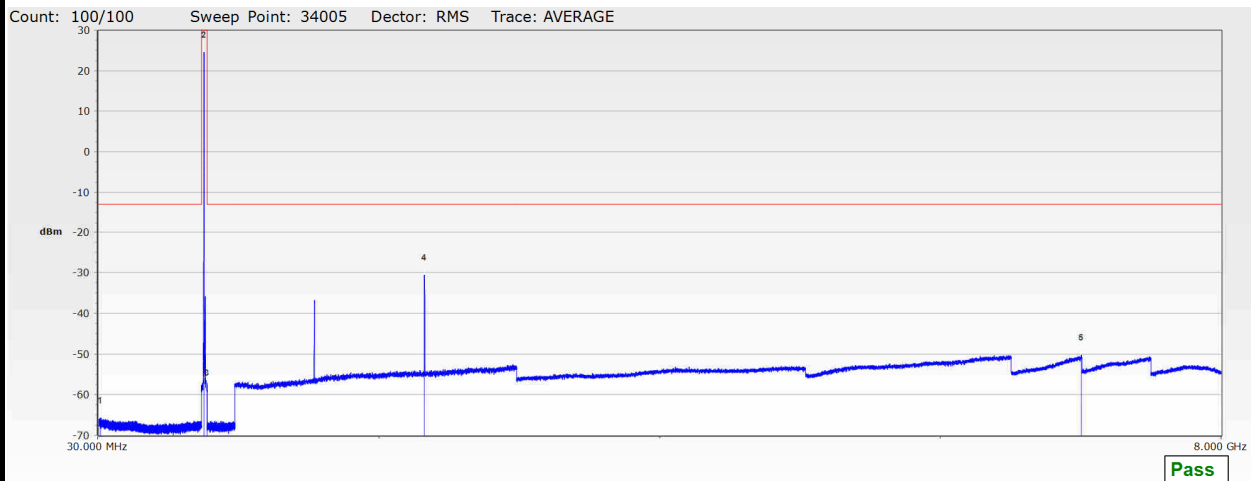


Item	Range Low	Range Up	RBW	VBW	Frequency	Power Abs	Limit	Limit	Path Loss Factor	DCC	APS
1	30.000 MHz	763.000 MHz	1 MHz	3 MHz	46.2500 MHz	-50.000 dBm	-52.000 dB	-13.000 dBm	4.973 dB	---	---
2	763.000 MHz	806.000 MHz	1 MHz	3 MHz	777.3600 MHz	-24.708 dBm	-5.292 dB	-30.000 dBm	4.984 dB	---	---
3	806.000 MHz	1.000 GHz	1 MHz	3 MHz	806.00000 MHz	-57.844 dBm	-88.844 dB	-13.000 dBm	5.055 dB	---	---
4	1.000 GHz	3.000 GHz	1 MHz	3 MHz	2.34700 GHz	-30.571 dBm	-17.571 dB	-13.000 dBm	6.486 dB	---	---
5	3.000 GHz	8.000 GHz	1 MHz	3 MHz	6.49500 GHz	-50.282 dBm	-37.282 dB	-13.000 dBm	8.294 dB	---	---

Note: DCC = Duty Cycle Correction / APS = Antenna Port Summation
Ver 1.1(20241209)

2025-05-06 14:00:31

ighest Channel / QPSK



Item	Range Low	Range Up	RBW	VBW	Frequency	Power Abs	Limit	Limit	Path Loss Factor	DCC	APS
1	30.000 MHz	763.000 MHz	1 MHz	3 MHz	47.64087 MHz	-65.683 dBm	-52.683 dB	-13.000 dBm	4.973 dB	---	---
2	763.000 MHz	806.000 MHz	1 MHz	3 MHz	782.39300 MHz	-24.581 dBm	-5.419 dB	-30.000 dBm	4.984 dB	---	---
3	806.000 MHz	1.000 GHz	1 MHz	3 MHz	806.00000 MHz	-58.844 dBm	-88.844 dB	-13.000 dBm	5.055 dB	---	---
4	1.000 GHz	3.000 GHz	1 MHz	3 MHz	2.34700 GHz	-30.571 dBm	-17.571 dB	-13.000 dBm	6.486 dB	---	---
5	3.000 GHz	8.000 GHz	1 MHz	3 MHz	7.00700 GHz	-50.282 dBm	-37.282 dB	-13.000 dBm	8.294 dB	---	---

Note: DCC = Duty Cycle Correction / APS = Antenna Port Summation
Ver 1.1(20241209)

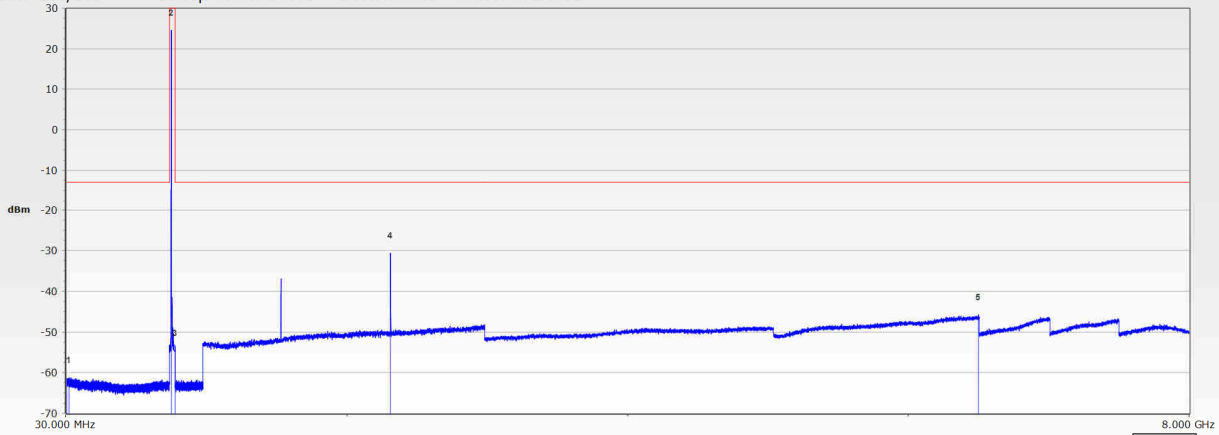
2025-05-06 14:00:37



LTE Band 13 / 10MHz

Middle Channel / QPSK

Count: 100/100 Sweep Point: 34005 Detector: RMS Trace: AVERAGE



Item	Range Low	Range Up	RBW	VBW	Frequency	Power Abs	Limit	Limit	Path Loss Factor	DCC	APS
1	30.000 MHz	763.000 MHz	1 MHz	3 MHz	54.09127 MHz	-61.231 dBm	-48.231 dB	-13.000 dBm	4.973 dB	---	---
2	763.000 MHz	806.000 MHz	1 MHz	3 MHz	777.62000 MHz	24.582 dBm	-5.418 dB	30.000 dBm	4.984 dB	---	---
3	806.000 MHz	1.000 GHz	1 MHz	3 MHz	806.00000 MHz	-54.527 dBm	-84.527 dB	-13.000 dBm	5.055 dB	---	---
4	1.000 GHz	3.000 GHz	1 MHz	3 MHz	2.33300 GHz	-30.620 dBm	-17.620 dB	-13.000 dBm	6.486 dB	---	---
5	3.000 GHz	8.000 GHz	1 MHz	3 MHz	6.50250 GHz	-45.709 dBm	-32.709 dB	-13.000 dBm	8.294 dB	---	---

Note: DCC = Duty Cycle Correction / APS = Antenna Port Summation
Ver 1.1(20241209)

2025-05-06 14:00:45

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	0.0021	PASS
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0034	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0019	
20	Battery End Point	0.0016	

Note:

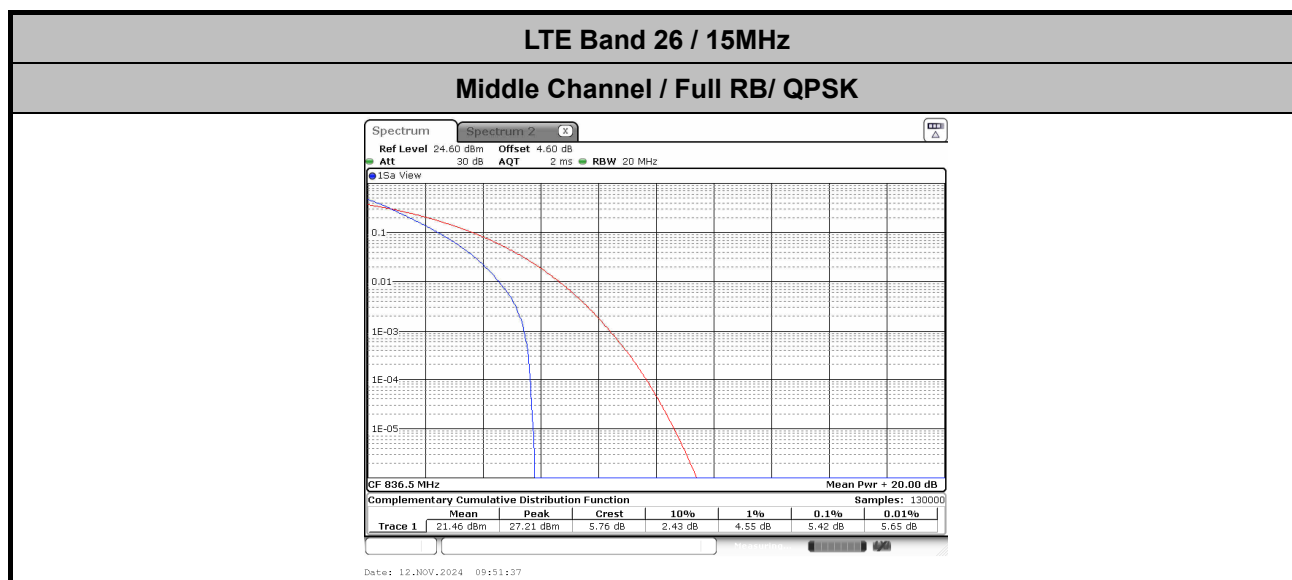
3. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.45 V.
4. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 26

Peak-to-Average Ratio

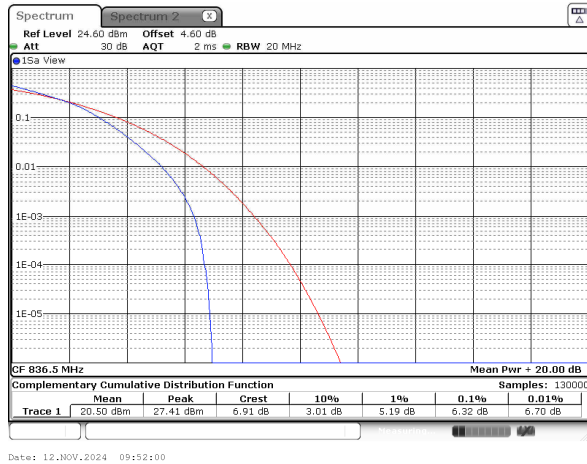
Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.42	6.32	6.61	PASS

Mode	LTE Band 26 / 15MHz			
Mod.	256QAM			Limit: 13dB
RB Size	Full RB			Result
Middle CH	6.75			PASS

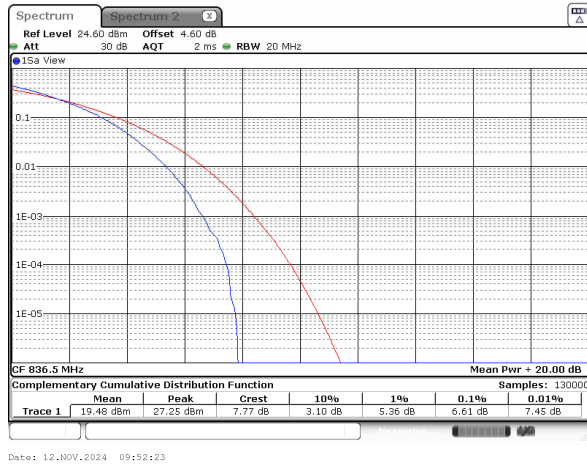




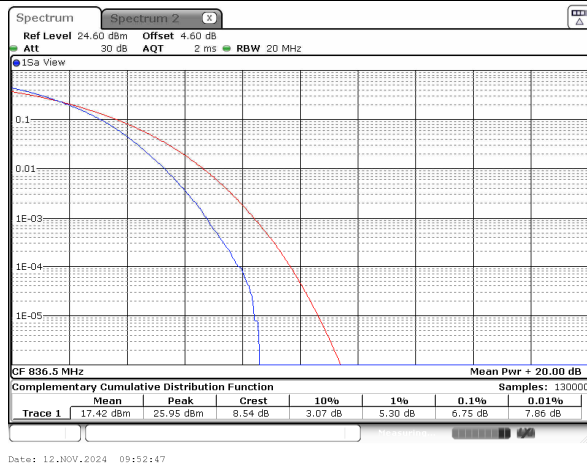
Middle Channel / Full RB/ 16QAM



Middle Channel / Full RB/ 64QAM

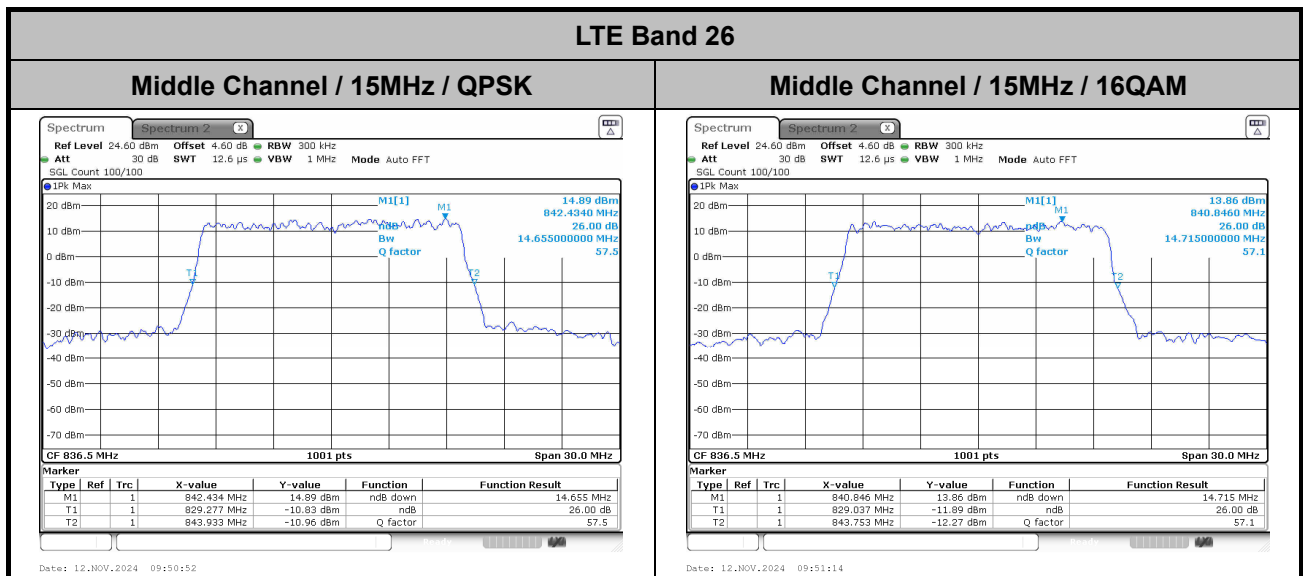


Middle Channel / Full RB/256QAM



**26dB Bandwidth**

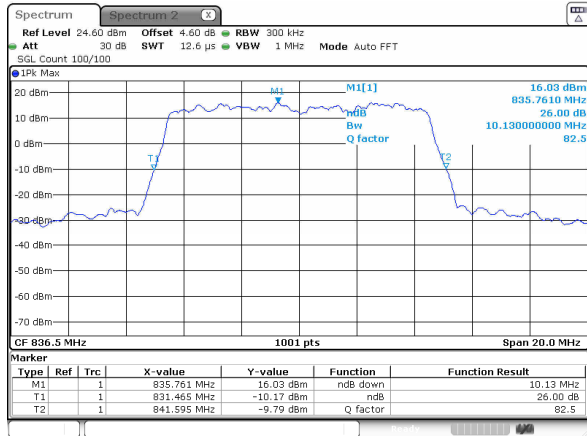
Mode	LTE Band 26 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.66	14.72
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	10.13	10.13
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.01	5.01
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.06	3.11
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.33	1.28





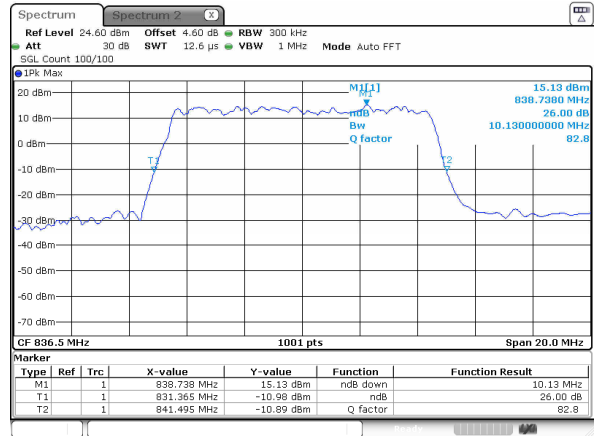
LTE Band 26

Middle Channel / 10MHz / QPSK



Date: 12.NOV.2024 09:56:19

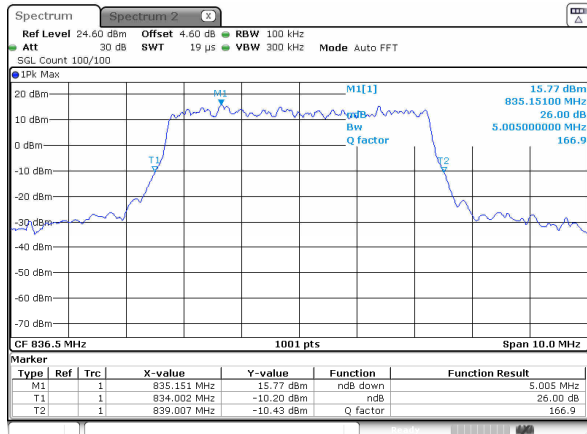
Middle Channel / 10MHz / 16QAM



Date: 12.NOV.2024 09:56:40

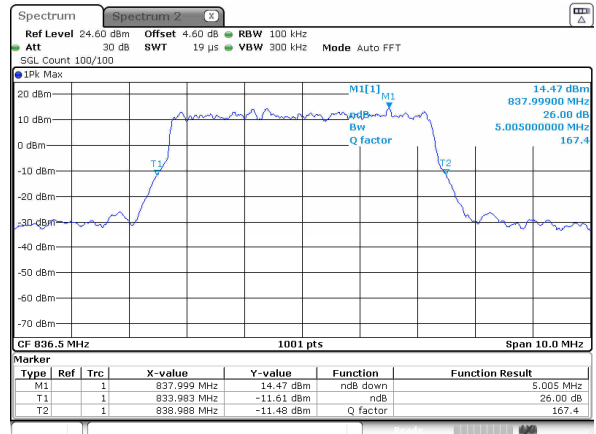
LTE Band 26

Middle Channel / 5MHz / QPSK



Date: 12.NOV.2024 09:57:46

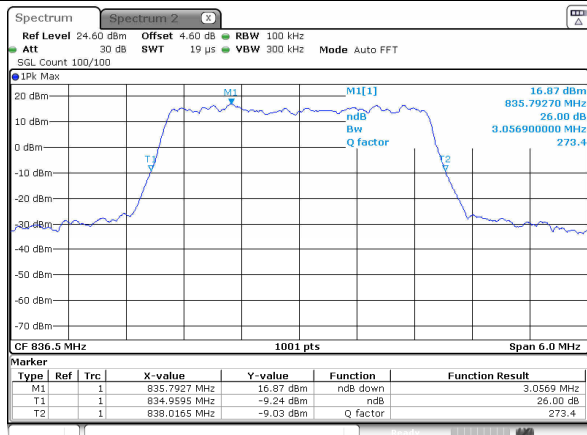
Middle Channel / 5MHz / 16QAM



Date: 12.NOV.2024 09:58:07

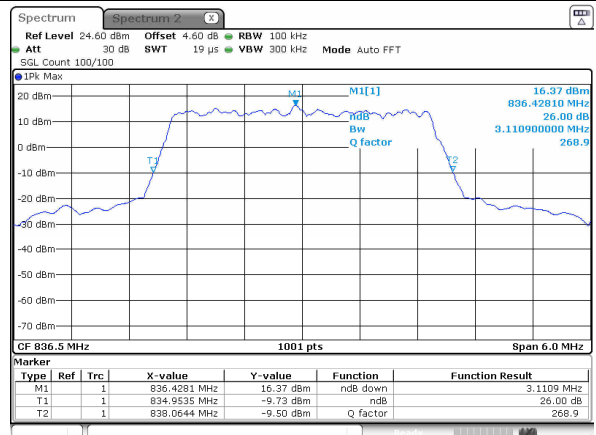
LTE Band 26

Middle Channel / 3MHz / QPSK



Date: 12.NOV.2024 09:59:13

Middle Channel / 3MHz / 16QAM

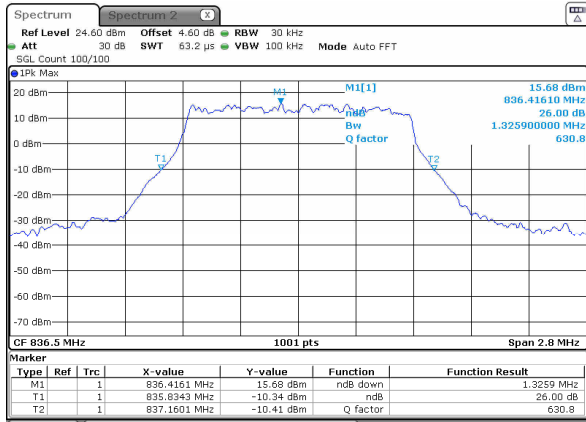


Date: 12.NOV.2024 09:59:34



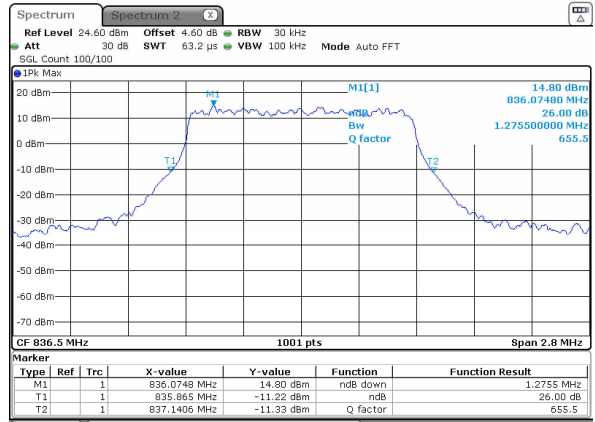
LTE Band 26

Middle Channel / 1.4MHz / QPSK



Date: 12.NOV.2024 10:04:15

Middle Channel / 1.4MHz / 16QAM



Date: 12.NOV.2024 10:04:36

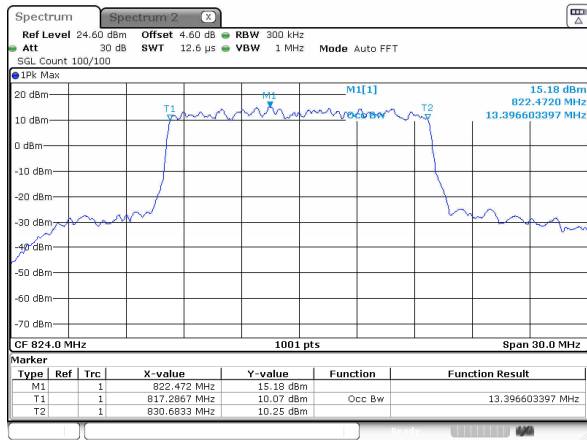
**Occupied Bandwidth**

Mode	LTE Band 26 : 99%OBW(MHz)	
BW	CH26790	
Mod.	QPSK	16QAM
Middle CH	13.40	13.40
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.46	13.43
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	9.01
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.51	4.57
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.74	2.72
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.10



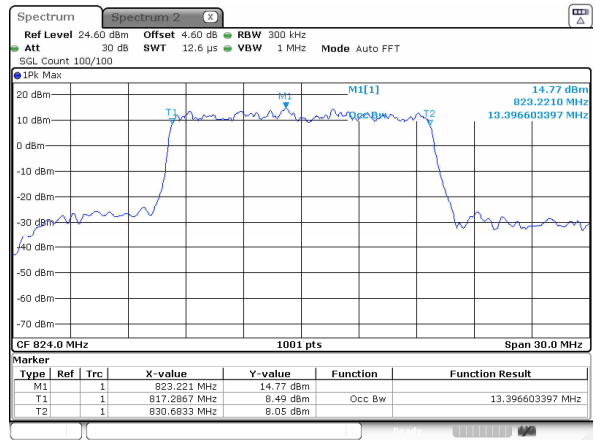
LTE Band 26

Channel 26790 / 15MHz / QPSK



Date: 12.NOV.2024 12:57:20

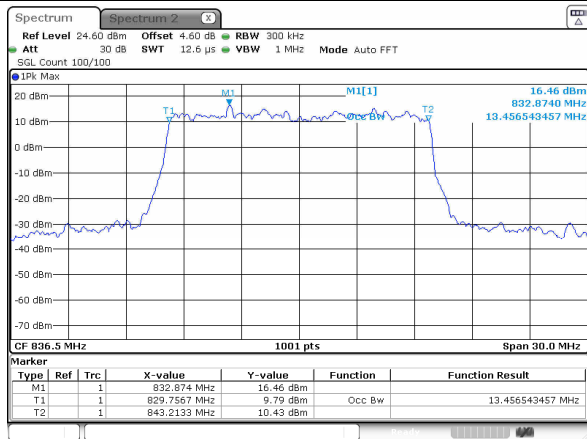
Channel 26790 / 15MHz / 16QAM



Date: 12.NOV.2024 12:57:41

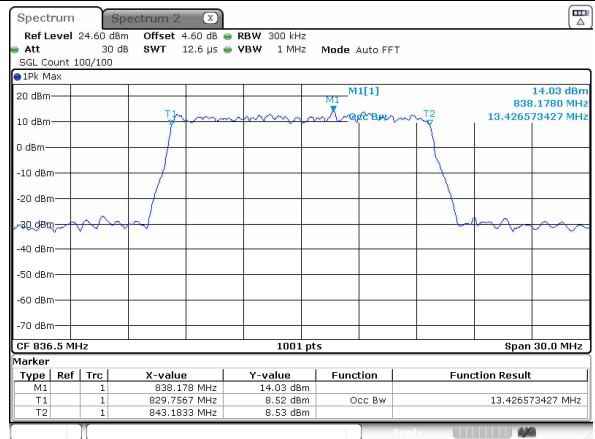
LTE Band 26

Middle Channel / 15MHz / QPSK



Date: 12.NOV.2024 09:50:09

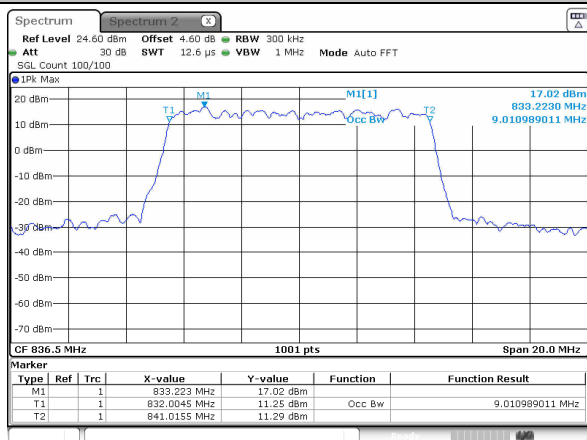
Middle Channel / 15MHz / 16QAM



Date: 12.NOV.2024 09:50:31

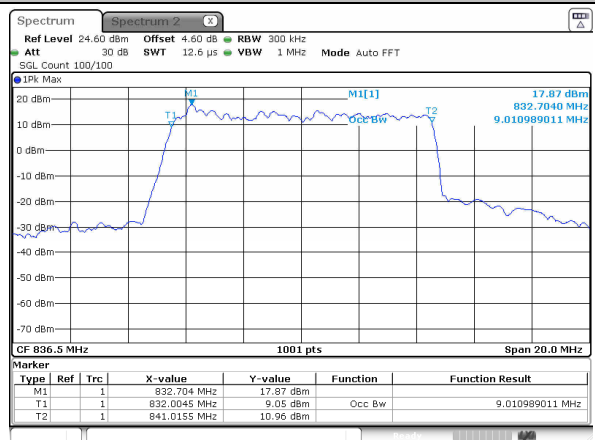
LTE Band 26

Middle Channel / 10MHz / QPSK



Date: 12.NOV.2024 09:55:57

Middle Channel / 10MHz / 16QAM

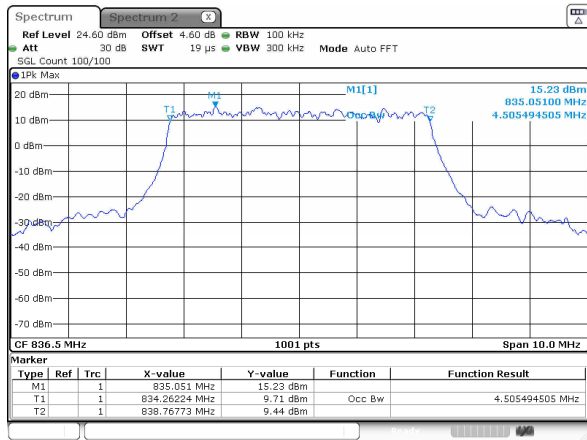


Date: 12.NOV.2024 09:57:02

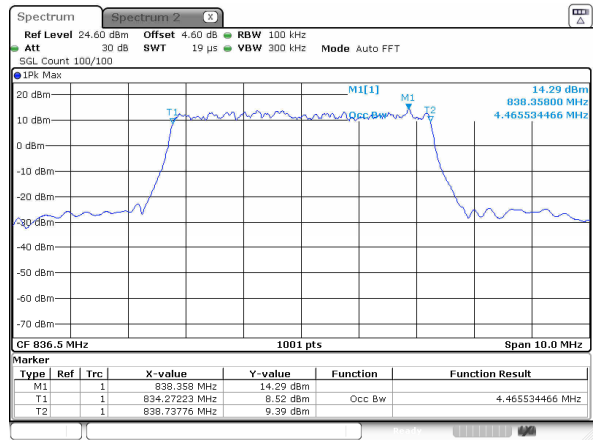


LTE Band 26

Middle Channel / 5MHz / QPSK

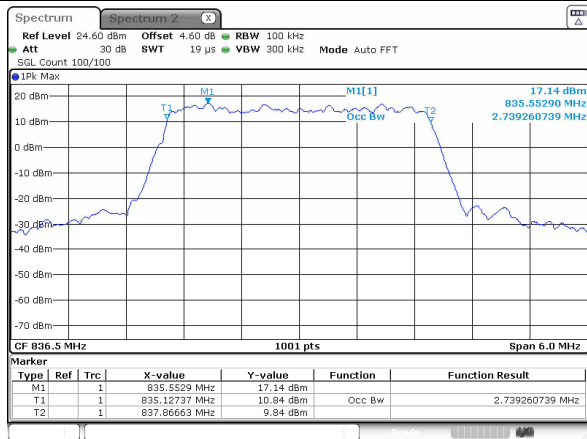


Middle Channel / 5MHz / 16QAM

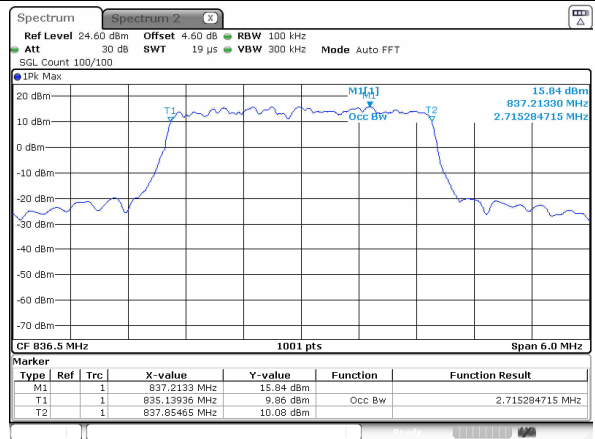


LTE Band 26

Middle Channel / 3MHz / QPSK

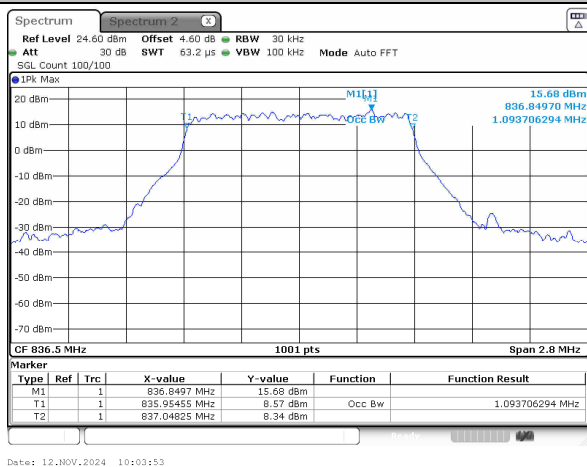


Middle Channel / 3MHz / 16QAM

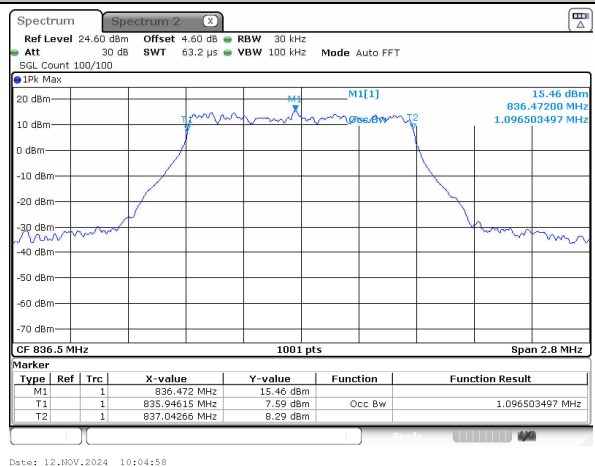


LTE Band 26

Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM

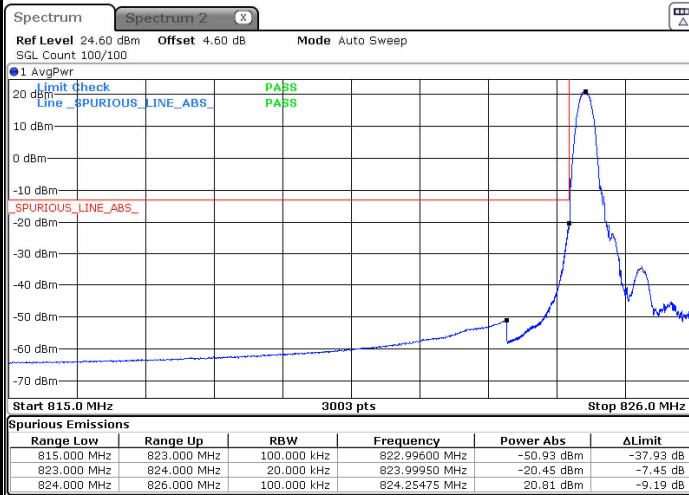




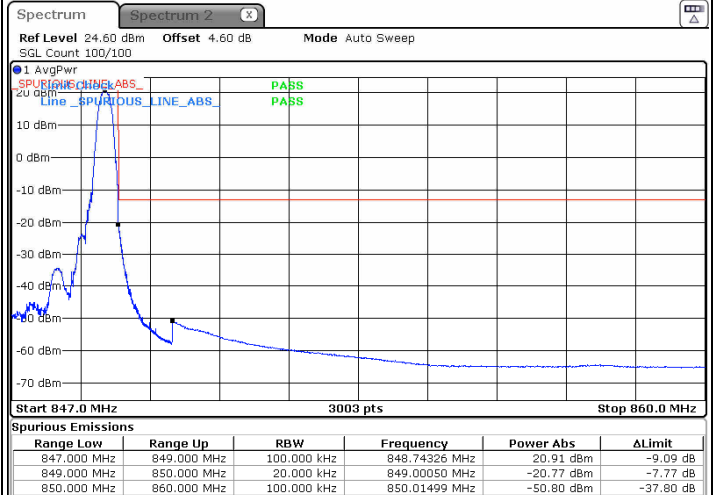
Conducted Band Edge

LTE Band 26 / 1.4MHz / QPSK

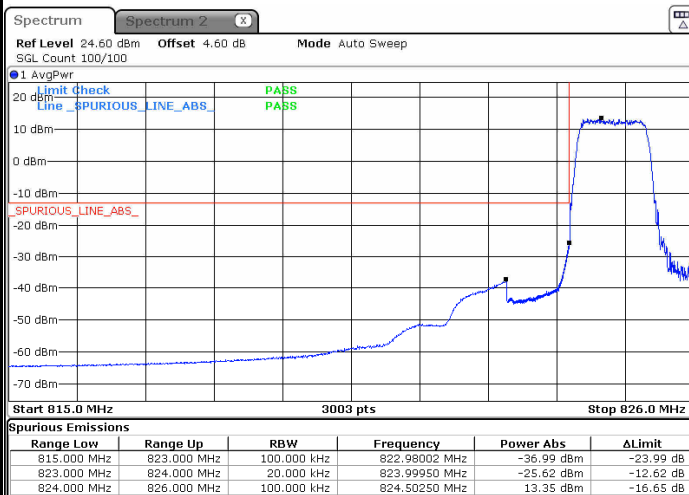
Lowest Band Edge / 1RB



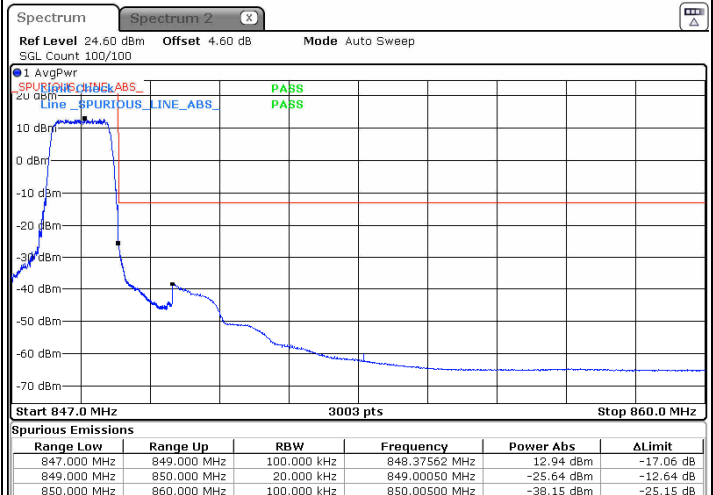
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



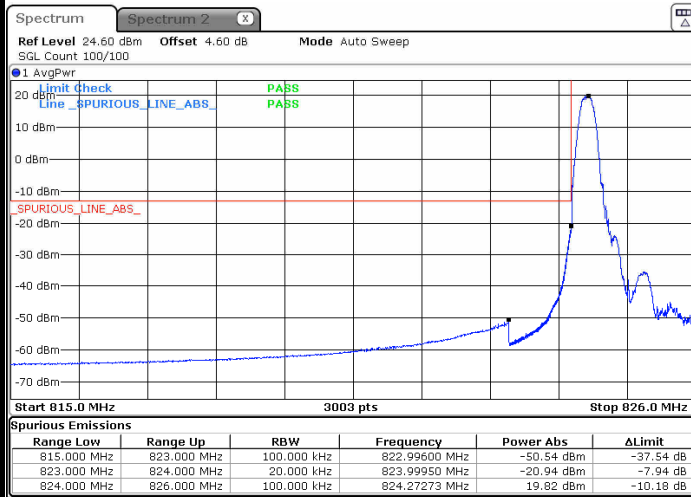
Highest Band Edge / Full RB



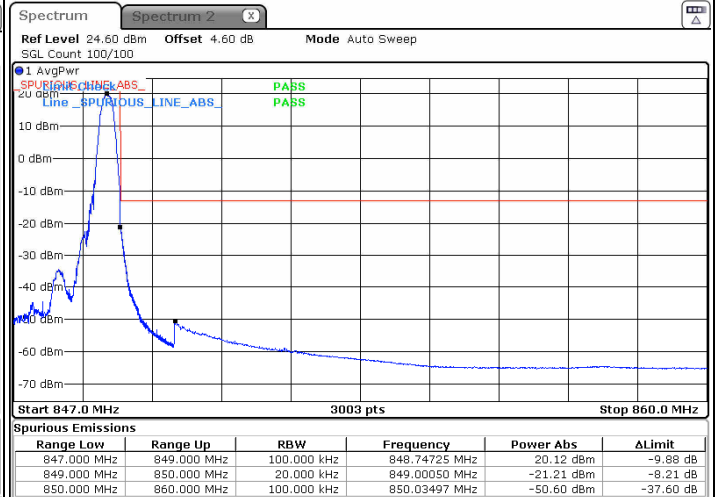


LTE Band 26 / 1.4MHz / 16QAM

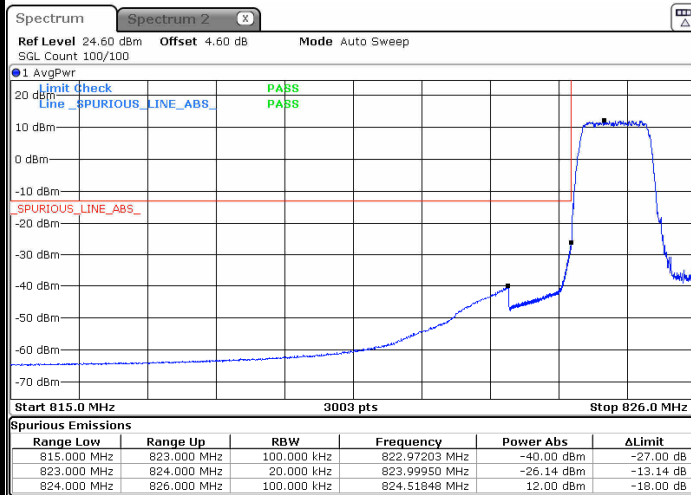
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



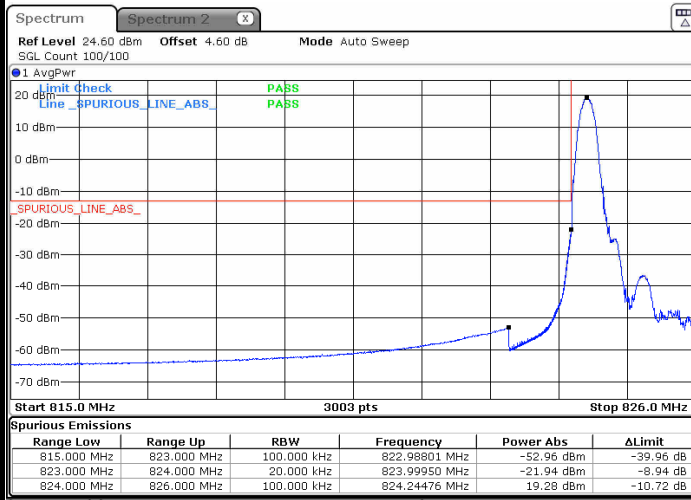
Highest Band Edge / Full RB



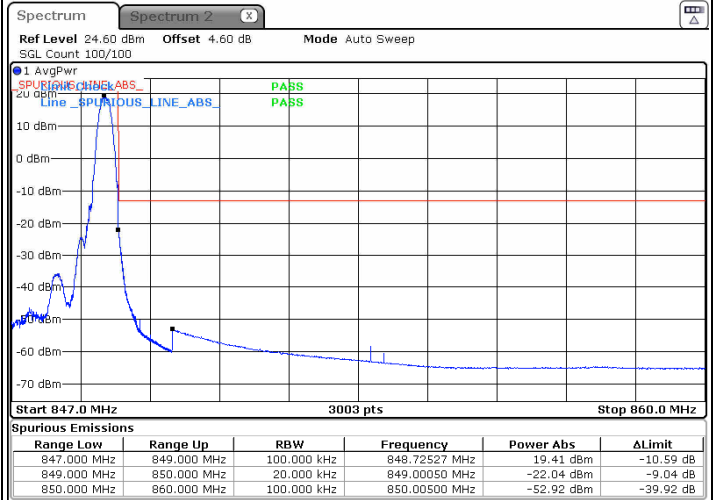


LTE Band 26 / 1.4MHz / 64QAM

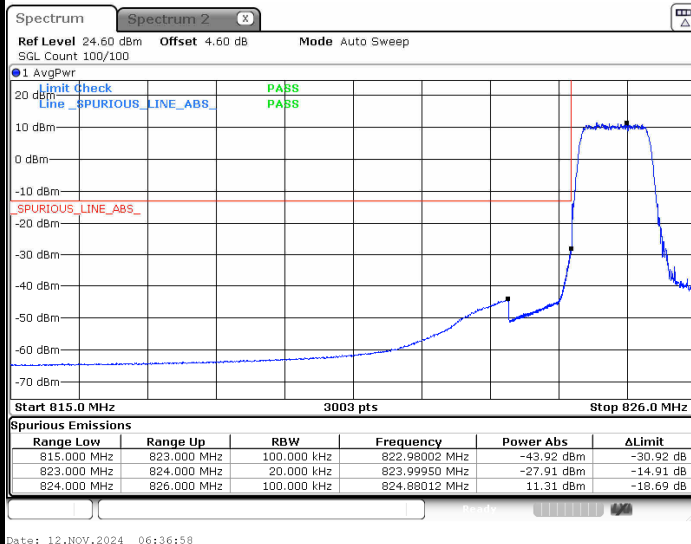
Lowest Band Edge / 1 RB



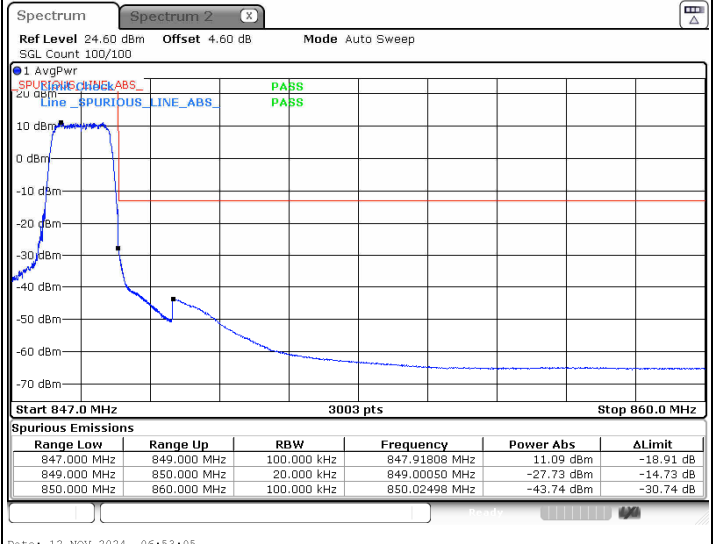
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



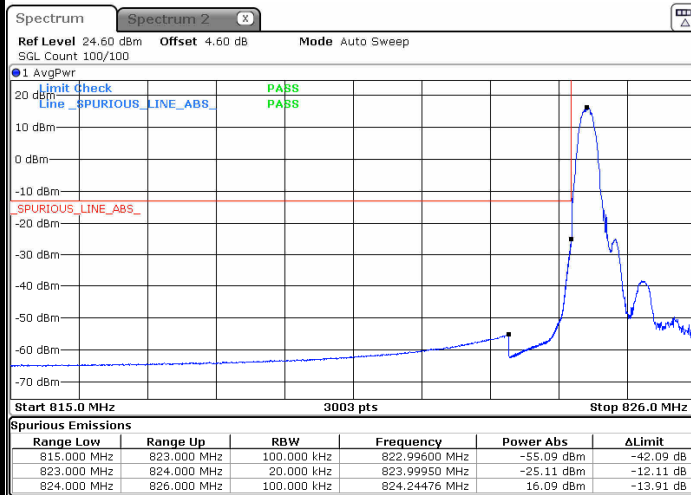
Highest Band Edge / Full RB



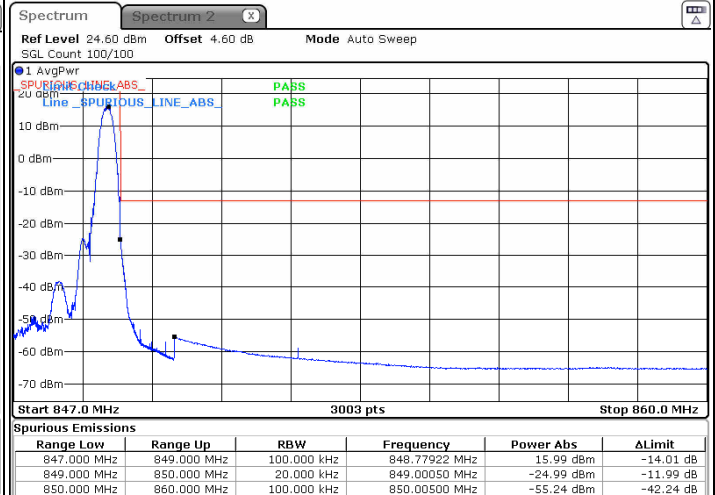


LTE Band 26 / 1.4MHz / 256QAM

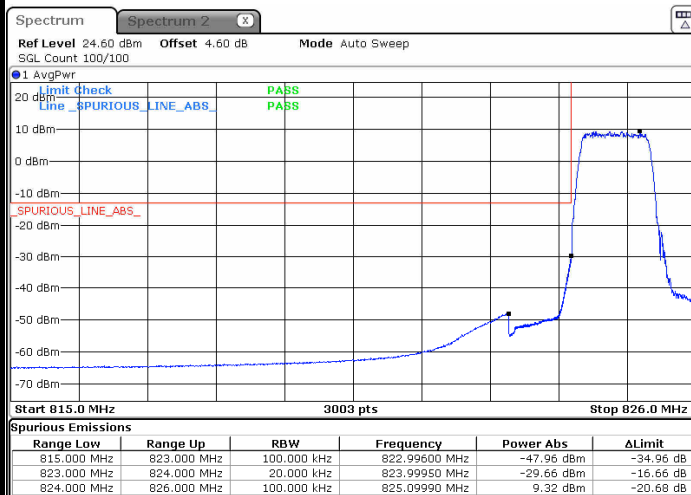
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

