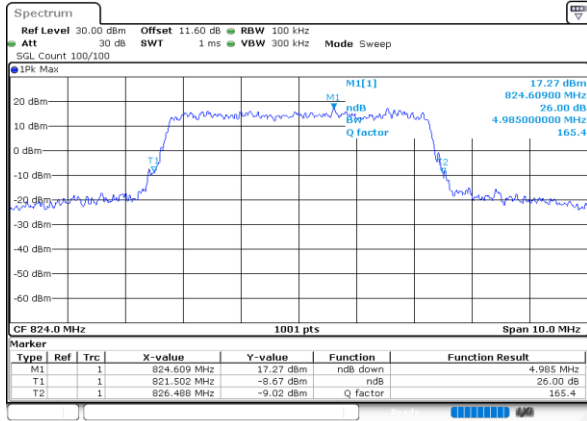




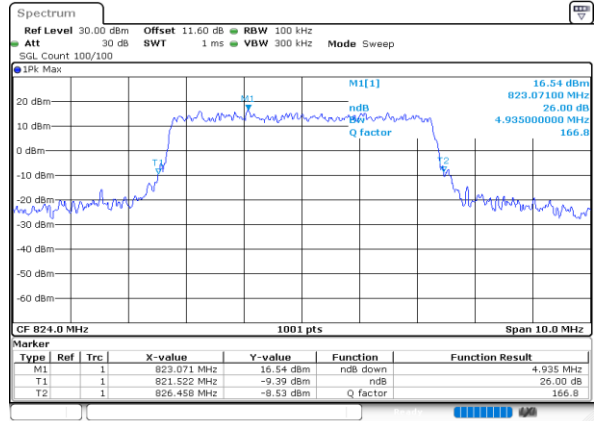
LTE Band 26

824 MHz / 5MHz / QPSK



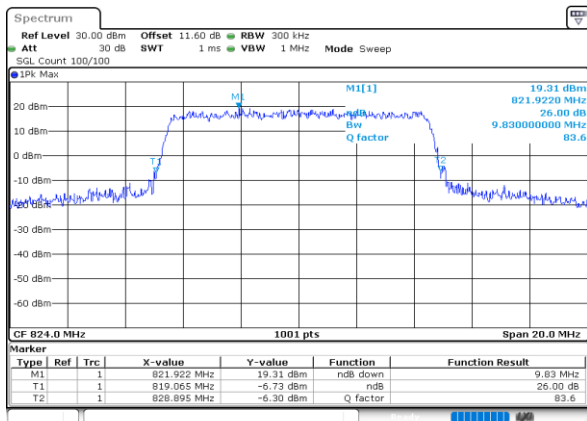
Date: 21.DEC.2023 20:43:48

824 MHz / 5MHz / 16QAM



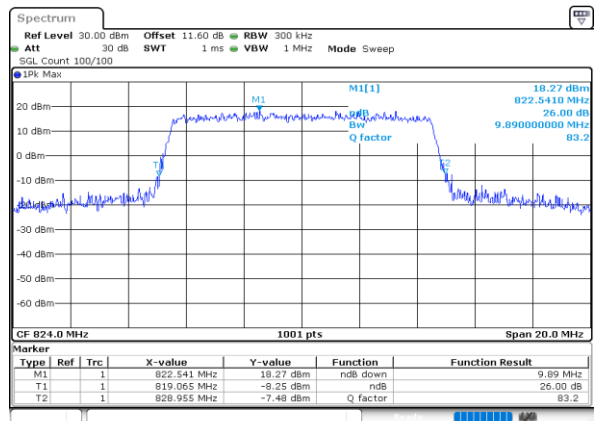
Date: 21.DEC.2023 20:44:11

824 MHz / 10MHz / QPSK



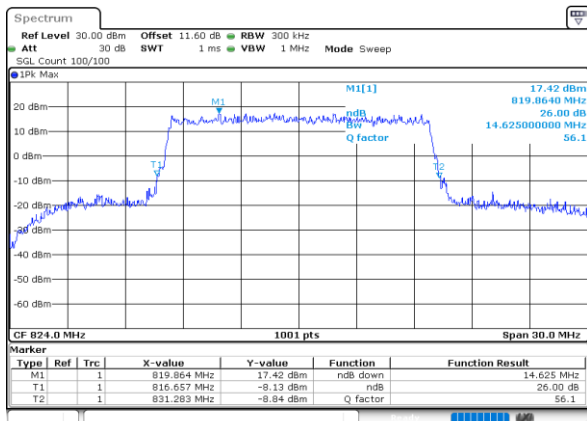
Date: 21.DEC.2023 20:47:37

824 MHz / 10MHz / 16QAM



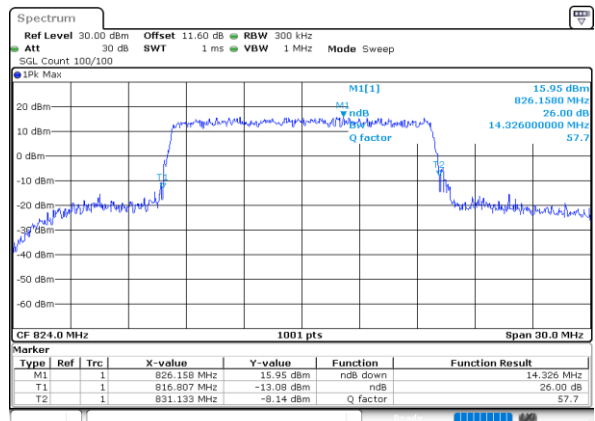
Date: 21.DEC.2023 20:48:01

824 MHz / 15MHz / QPSK



Date: 21.DEC.2023 20:51:32

824 MHz / 15MHz / 16QAM

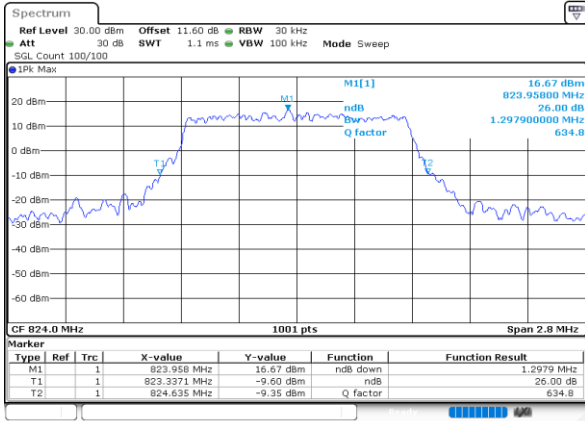


Date: 21.DEC.2023 20:51:55



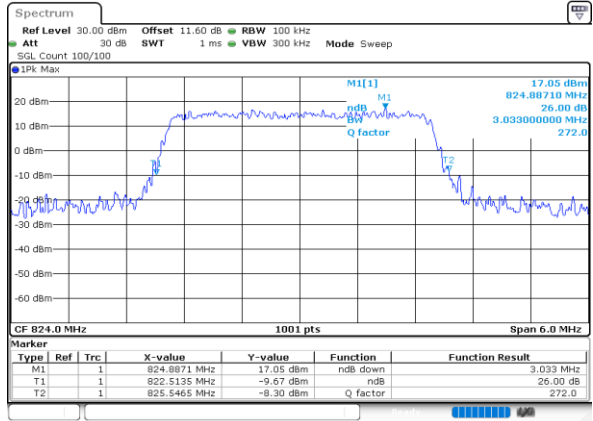
LTE Band 26

824 MHz / 1.4MHz / 64QAM



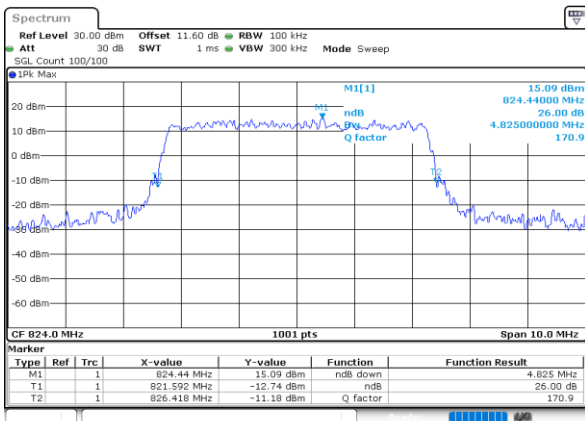
Date: 21.DEC.2023 20:37:26

824 MHz / 3MHz / 64QAM



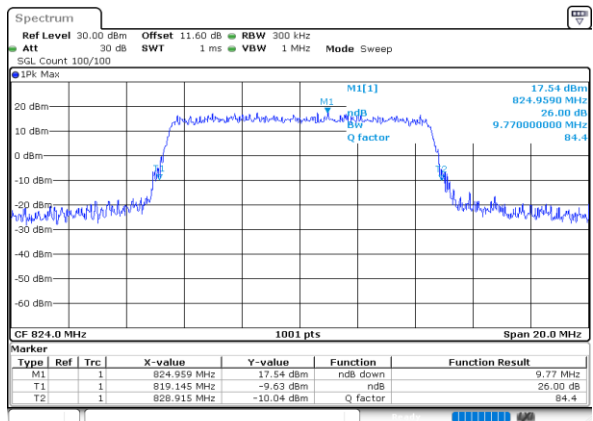
Date: 21.DEC.2023 20:41:35

824 MHz / 5MHz / 64QAM



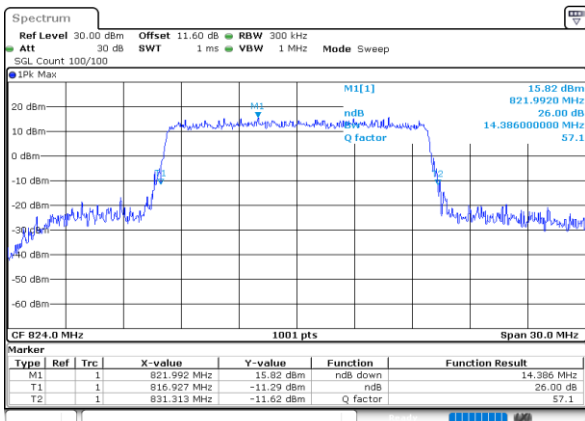
Date: 21.DEC.2023 20:45:21

824 MHz / 10MHz / 64QAM



Date: 21.DEC.2023 20:49:11

824 MHz / 15MHz / 64QAM



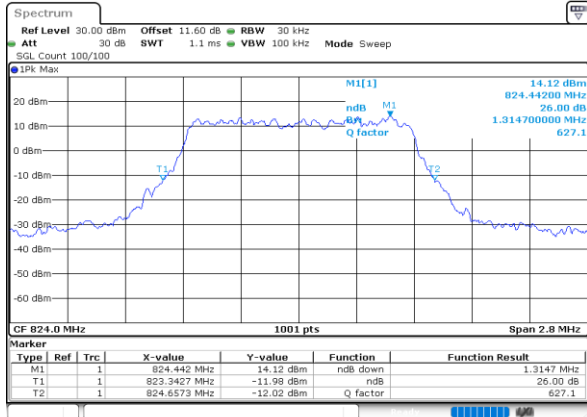
Date: 21.DEC.2023 20:53:05

N/A

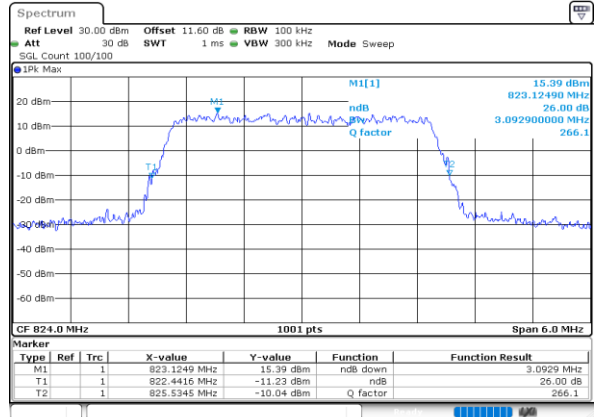


LTE Band 26

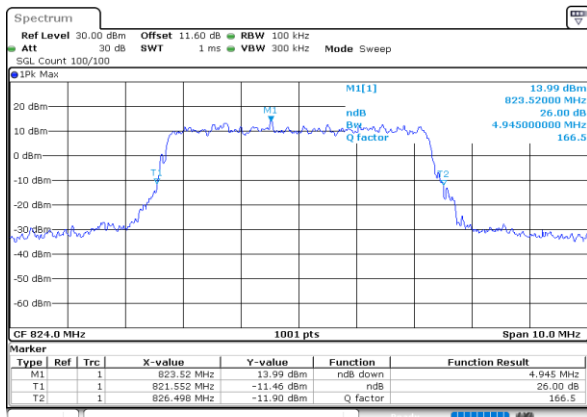
824 MHz / 1.4MHz / 256QAM



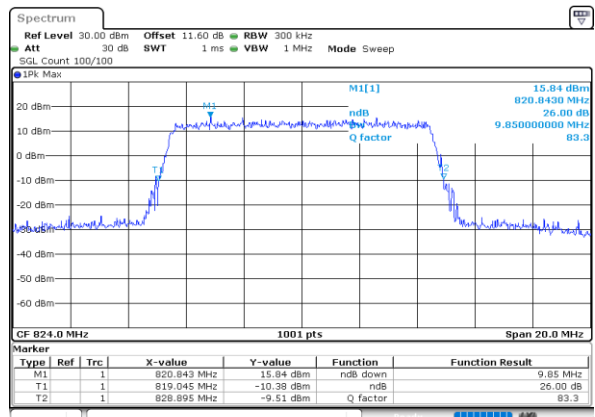
824 MHz / 3MHz / 256QAM



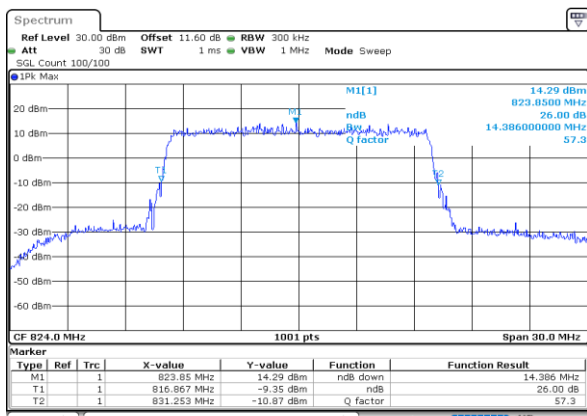
824 MHz / 5MHz / 256QAM



824 MHz / 10MHz / 256QAM



824 MHz / 15MHz / 256QAM

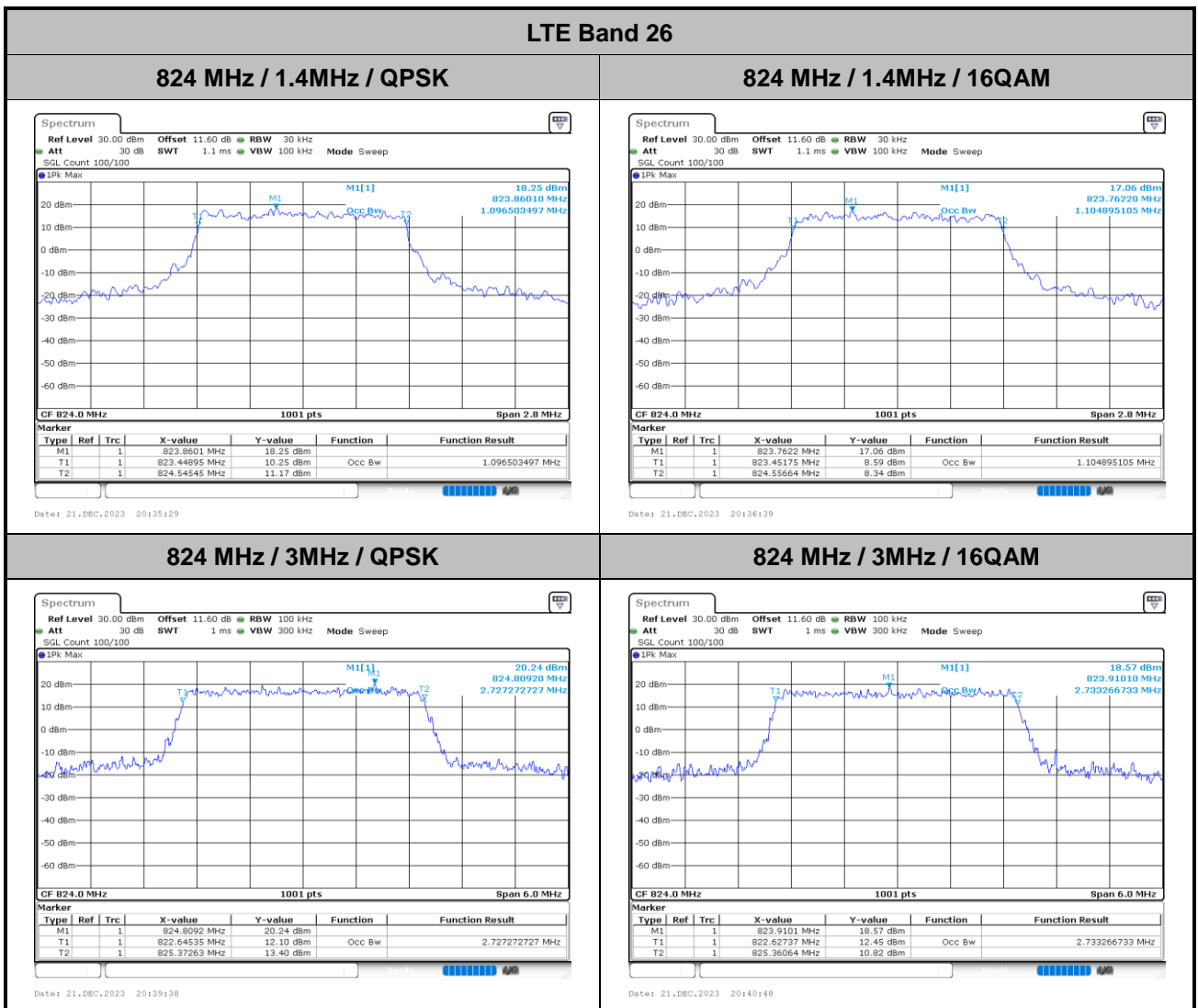


N/A



Occupied Bandwidth

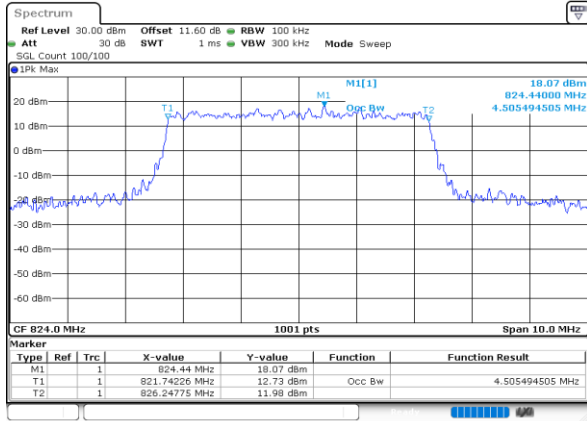
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
824 MHz	1.09	1.10	2.72	2.73	4.50	4.47	9.05	9.07	13.45	13.48	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
824 MHz	1.09	1.10	2.72	2.72	4.51	4.51	9.03	9.03	13.42	13.48	-	-





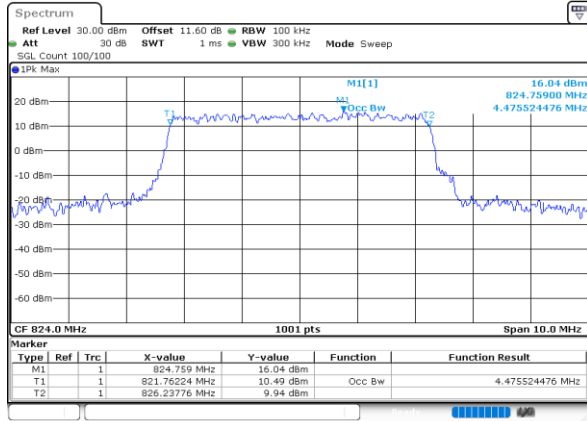
LTE Band 26

824 MHz / 5MHz / QPSK



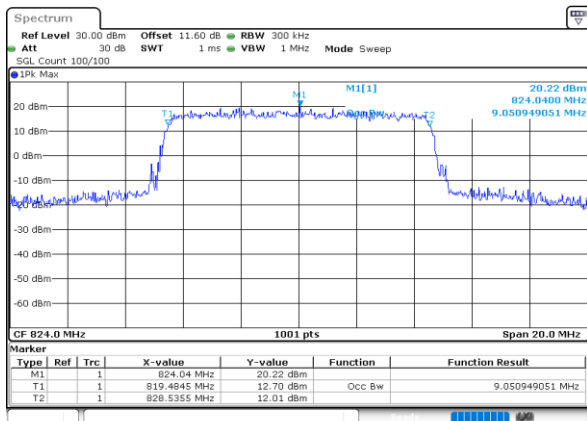
Date: 21.DEC.2023 20:43:24

824 MHz / 5MHz / 16QAM



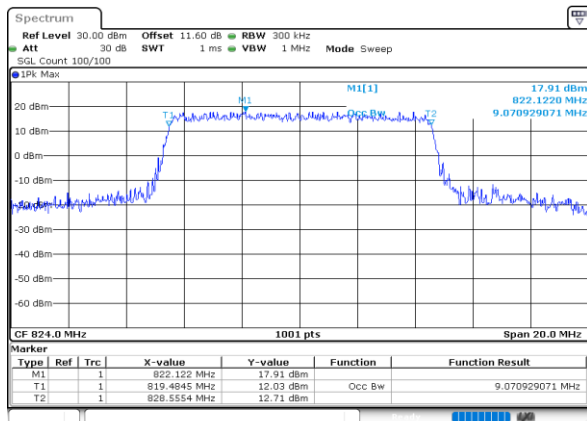
Date: 21.DEC.2023 20:44:34

824 MHz / 10MHz / QPSK



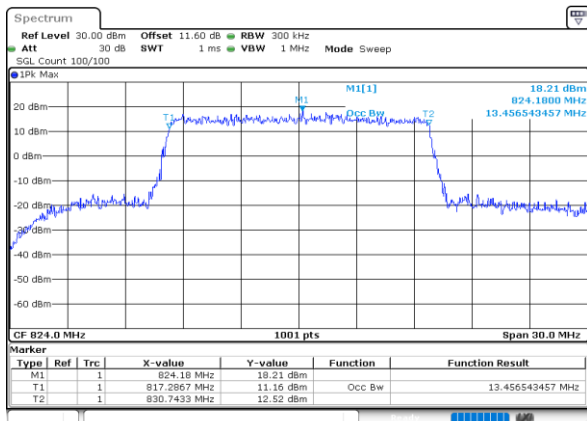
Date: 21.DEC.2023 20:47:14

824 MHz / 10MHz / 16QAM



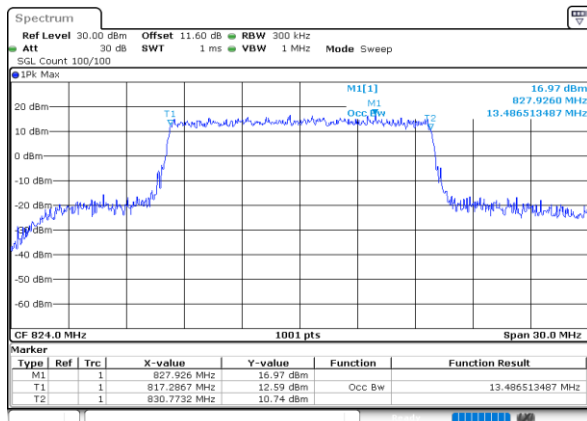
Date: 21.DEC.2023 20:48:24

824 MHz / 15MHz / QPSK



Date: 21.DEC.2023 20:51:09

824 MHz / 15MHz / 16QAM

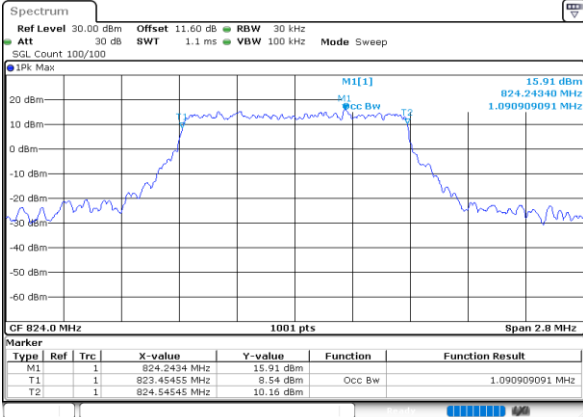


Date: 21.DEC.2023 20:52:18



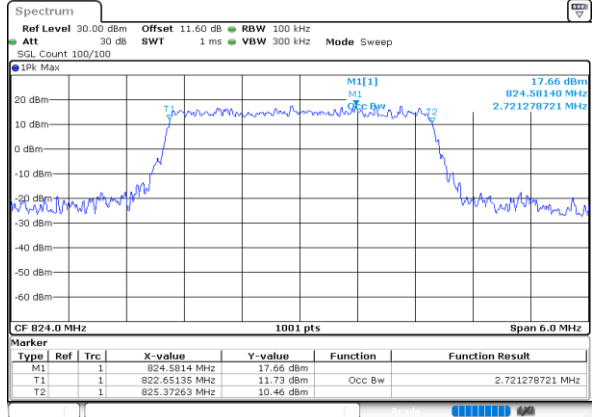
LTE Band 26

824 MHz / 1.4MHz / 64QAM



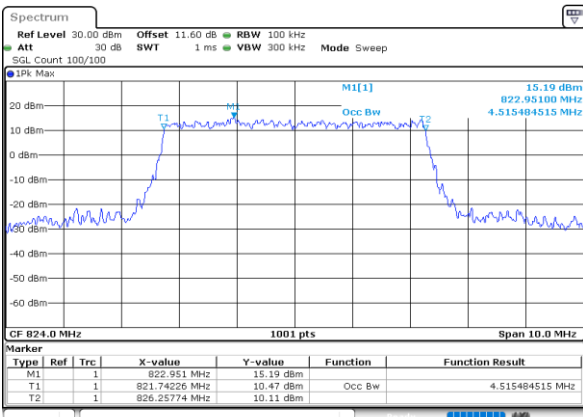
Date: 21.DEC.2023 20:37:03

824 MHz / 3MHz / 64QAM



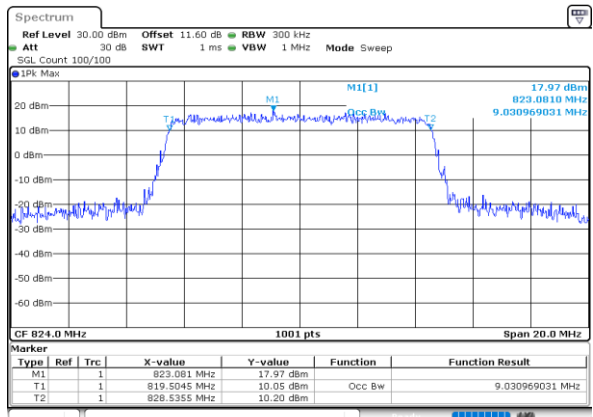
Date: 21.DEC.2023 20:41:11

824 MHz / 5MHz / 64QAM



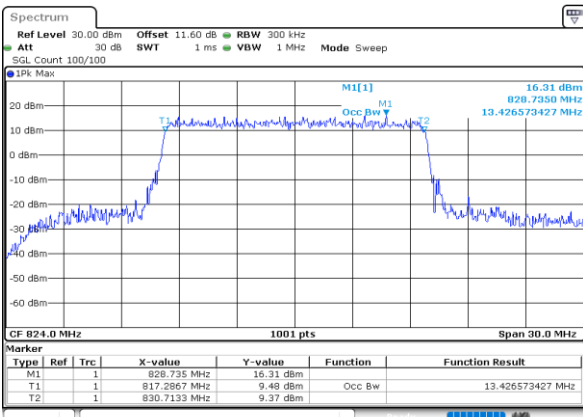
Date: 21.DEC.2023 20:44:50

824 MHz / 10MHz / 64QAM



Date: 21.DEC.2023 20:48:47

824 MHz / 15MHz / 64QAM



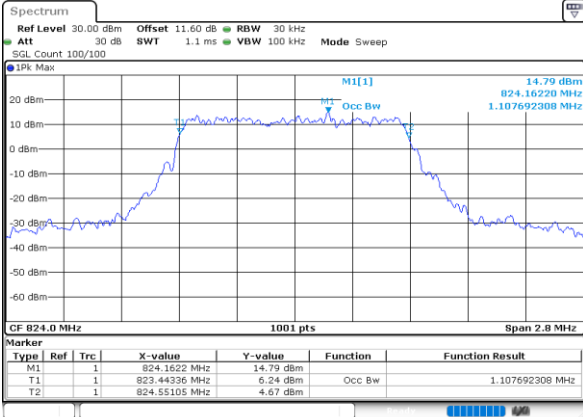
Date: 21.DEC.2023 20:52:41

N/A

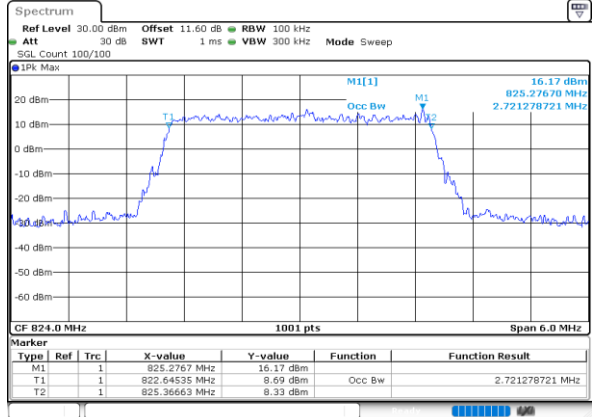


LTE Band 26

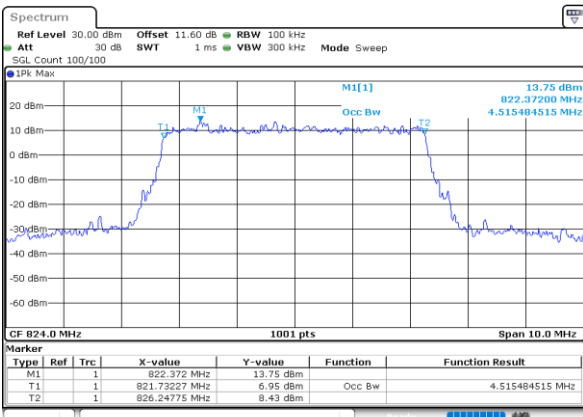
824 MHz / 1.4MHz / 256QAM



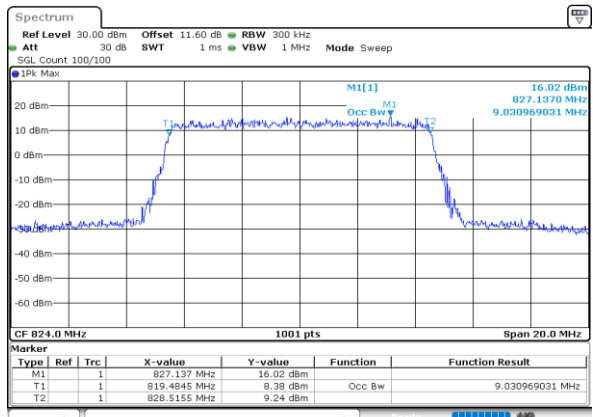
824 MHz / 3MHz / 256QAM



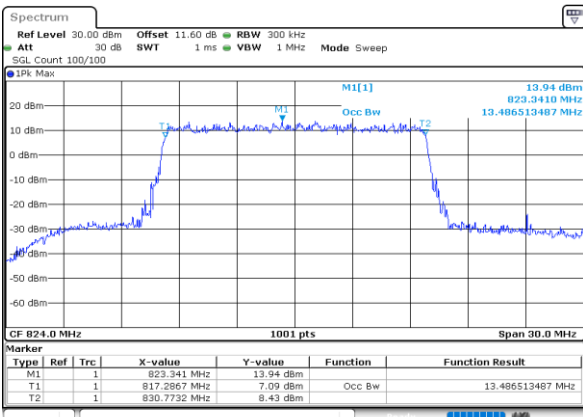
824 MHz / 5MHz / 256QAM



824 MHz / 10MHz / 256QAM



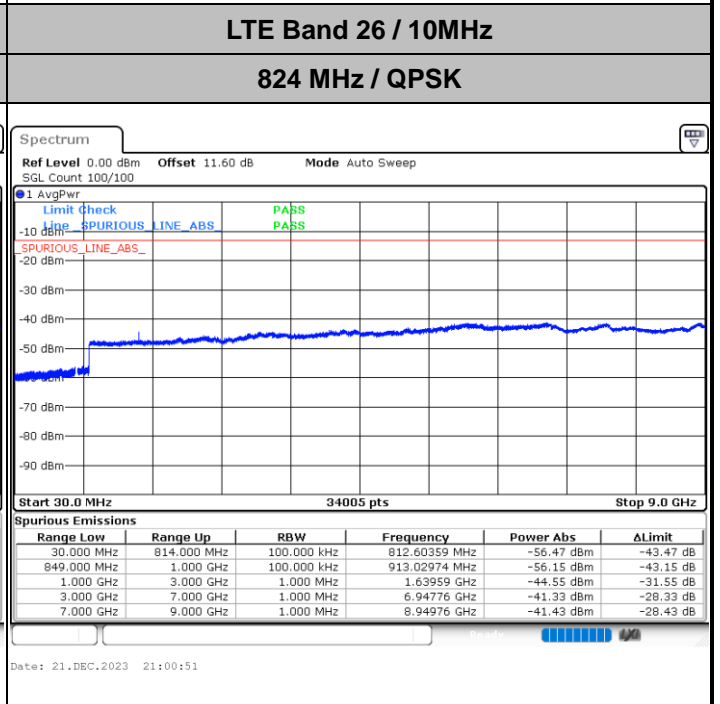
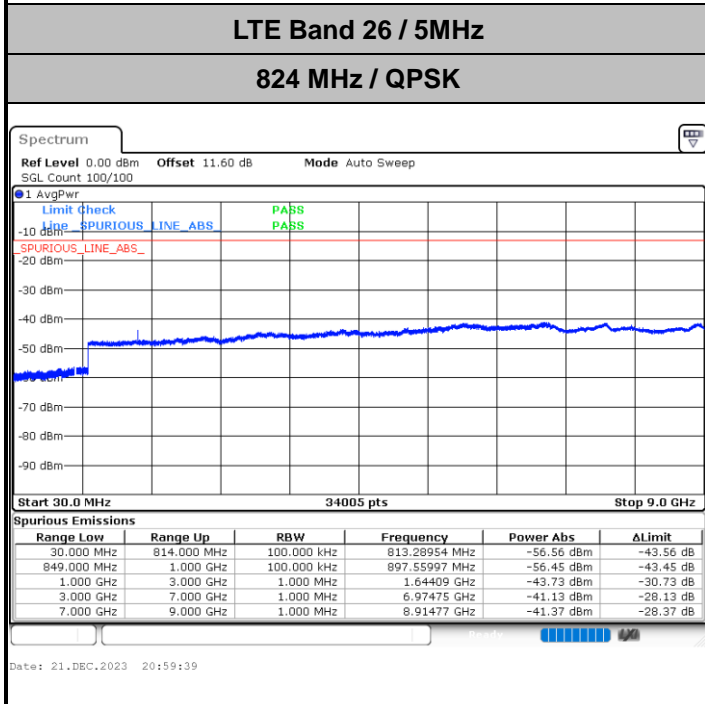
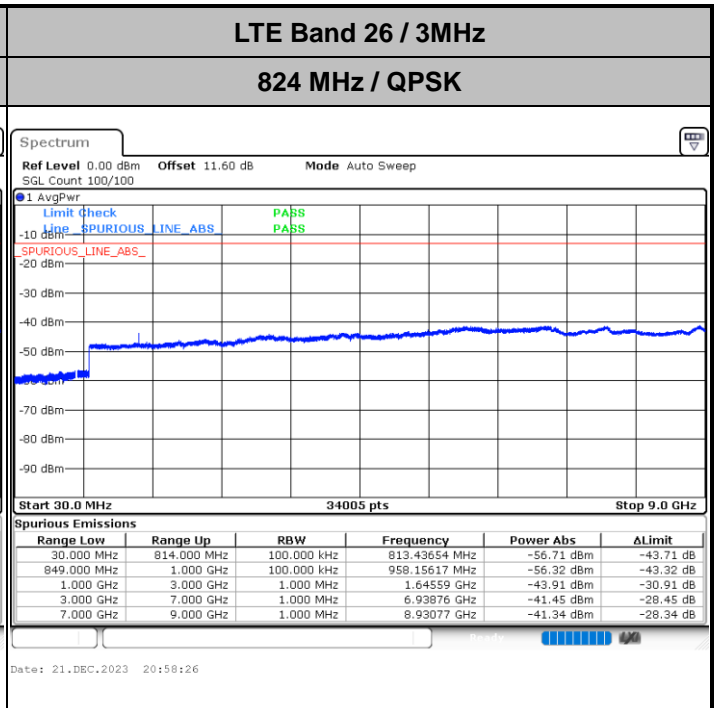
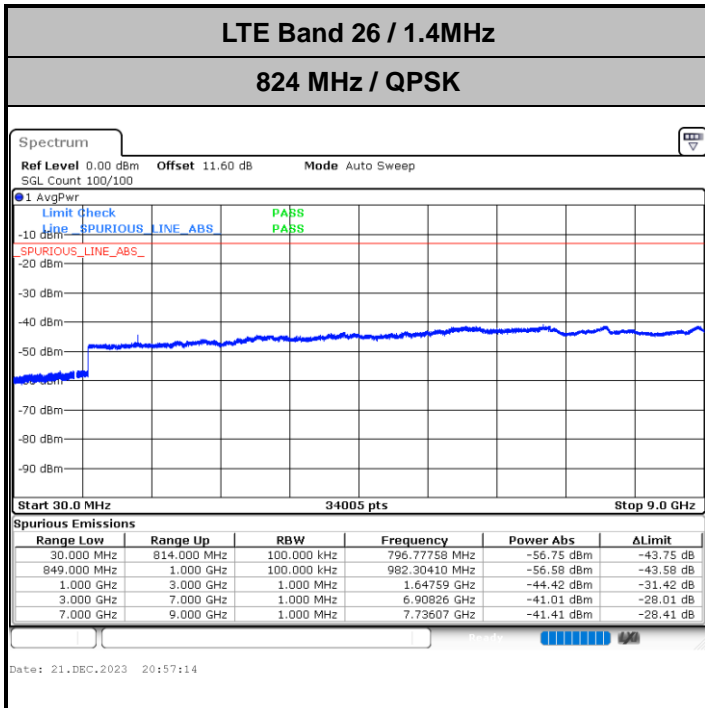
824 MHz /15MHz / 256QAM

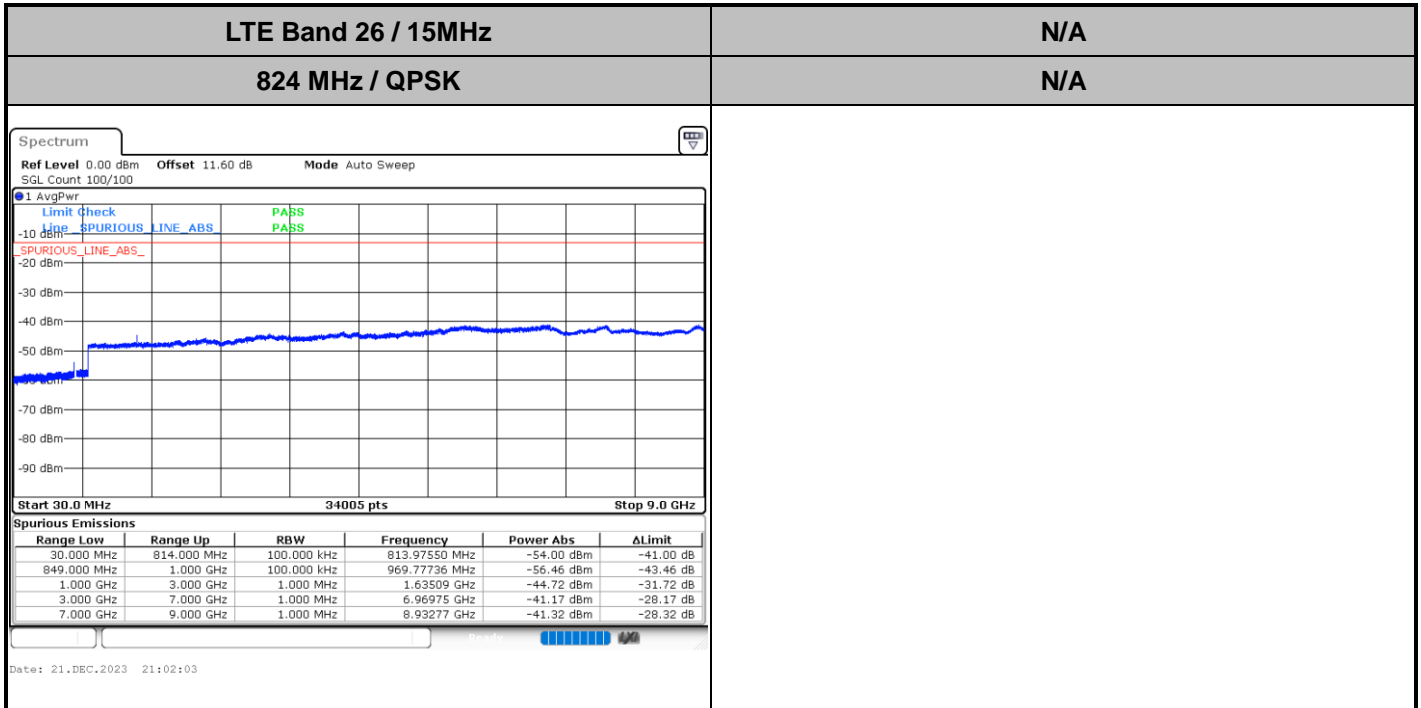


N/A



Conducted Spurious Emission







Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / 824 MHz	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0078	PASS
40	Normal Voltage	0.0218	
30	Normal Voltage	0.0153	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0078	
0	Normal Voltage	0.0140	
-10	Normal Voltage	0.0153	
-20	Normal Voltage	0.0148	
-30	Normal Voltage	0.0110	
20	Maximum Voltage	0.0036	
20	Normal Voltage	0.0153	
20	Battery End Point	0.0207	

Note:

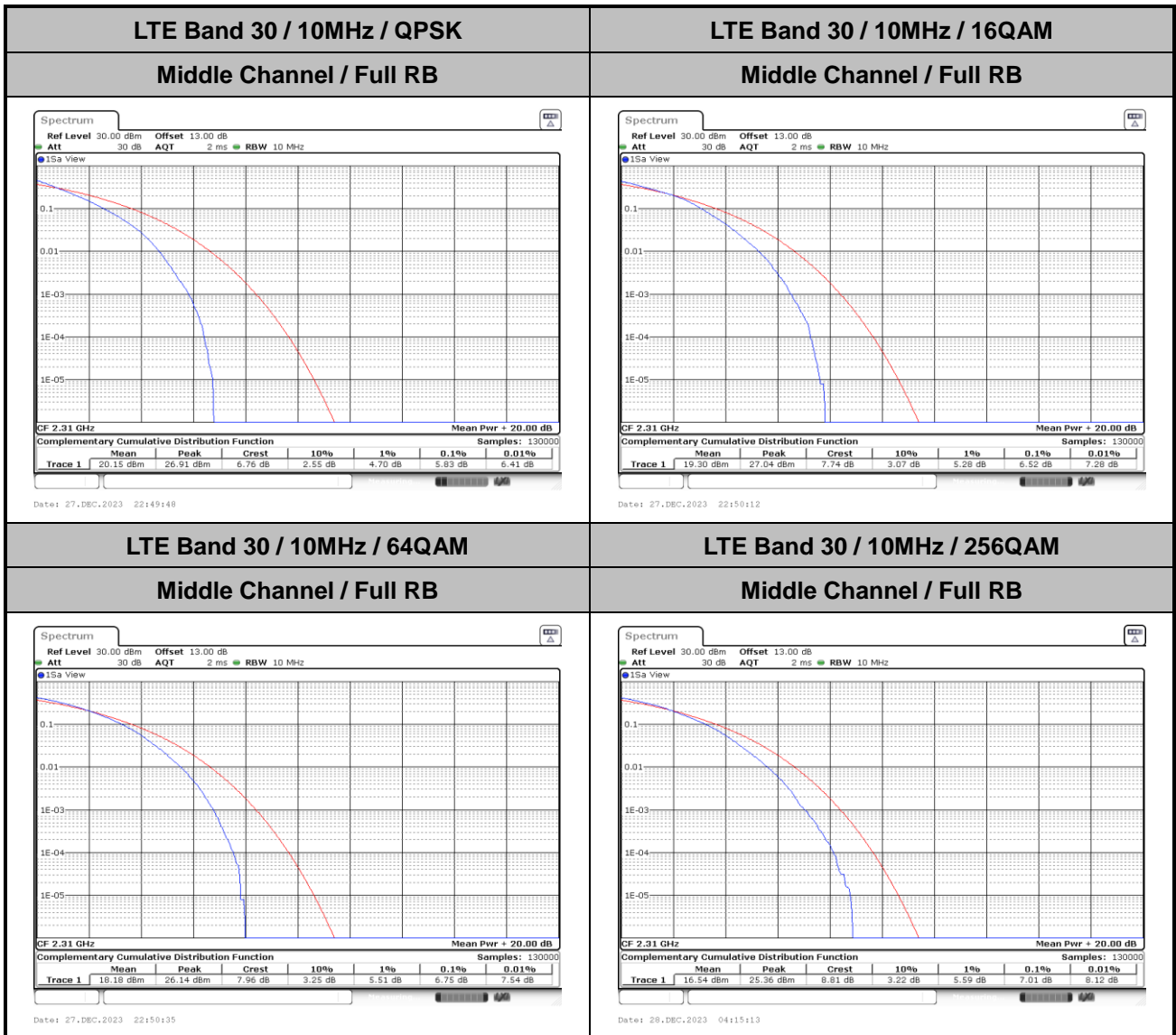
- 1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.2 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 30

Peak-to-Average Ratio

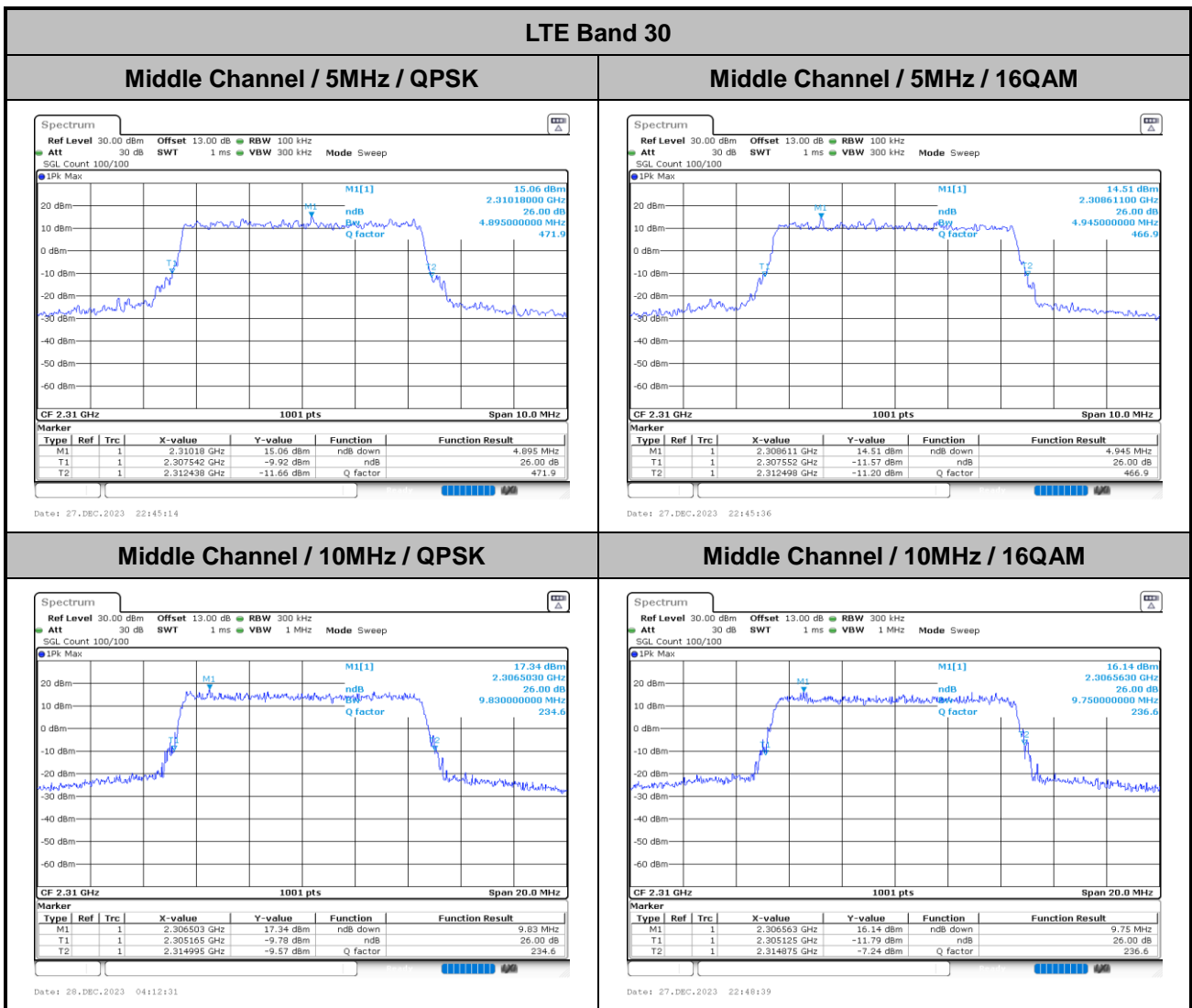
Mode	LTE Band 30 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.83	6.52	6.75	7.01	PASS





26dB Bandwidth

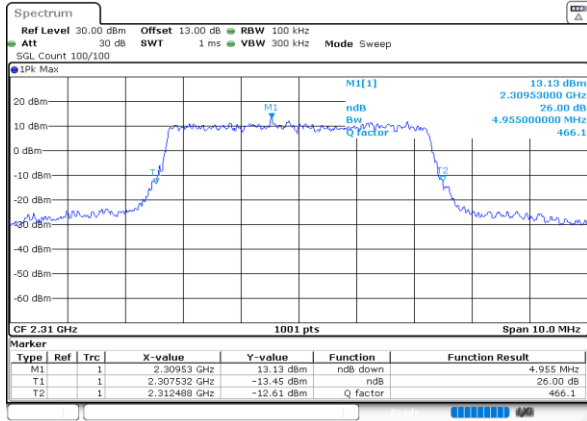
Mode	LTE Band 30 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.89	4.94	9.83	9.75	-	-	-	-
Mode	LTE Band 30 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.95	5.02	9.99	9.81	-	-	-	-





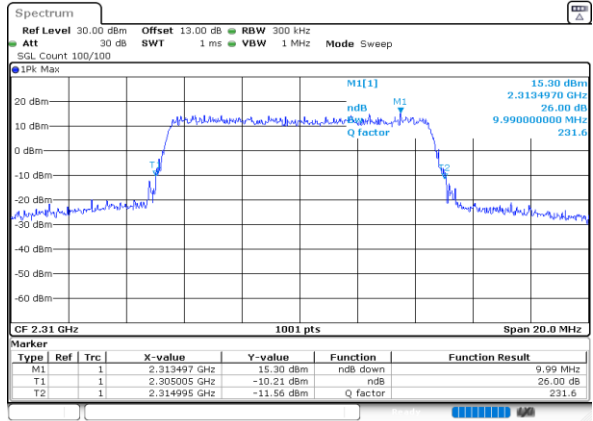
LTE Band 30

Middle Channel / 5MHz / 64QAM



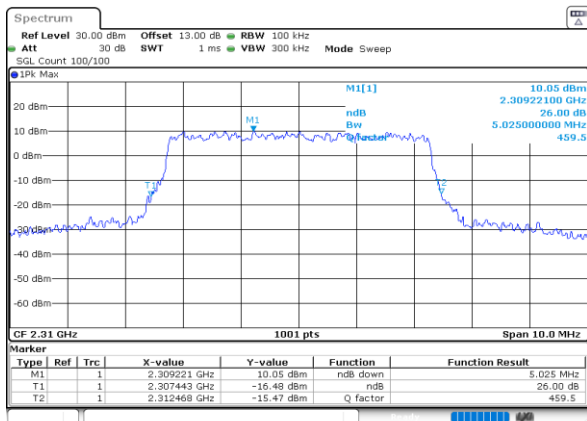
Date: 27. DEC. 2023 22:45:59

Middle Channel / 10MHz / 64QAM



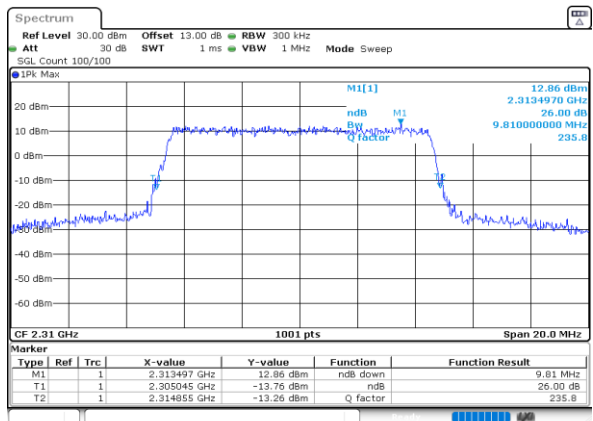
Date: 28. DEC. 2023 04:11:17

Middle Channel / 5MHz / 256QAM



Date: 27. DEC. 2023 22:46:22

Middle Channel / 10MHz / 256QAM

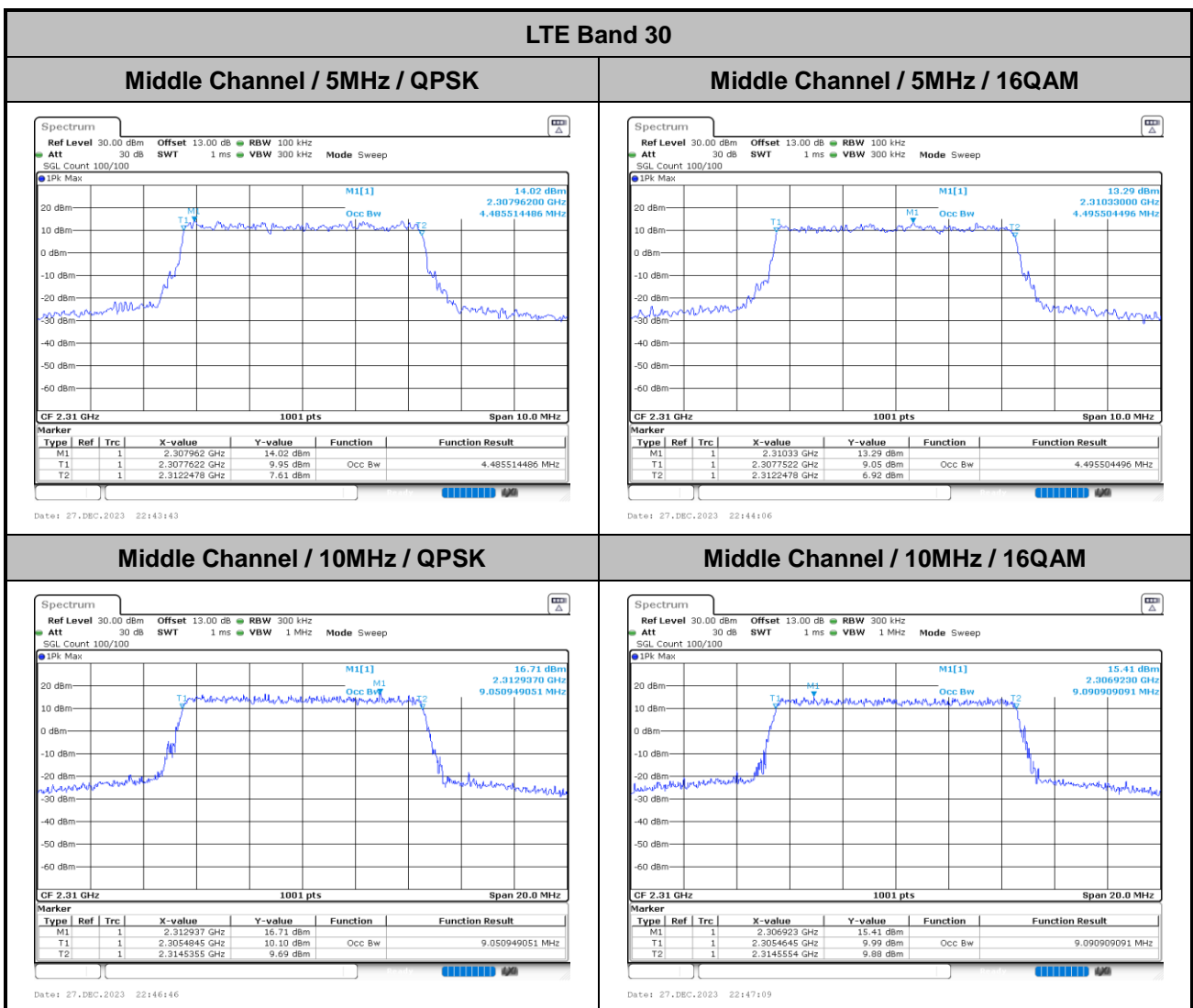


Date: 28. DEC. 2023 04:11:48



Occupied Bandwidth

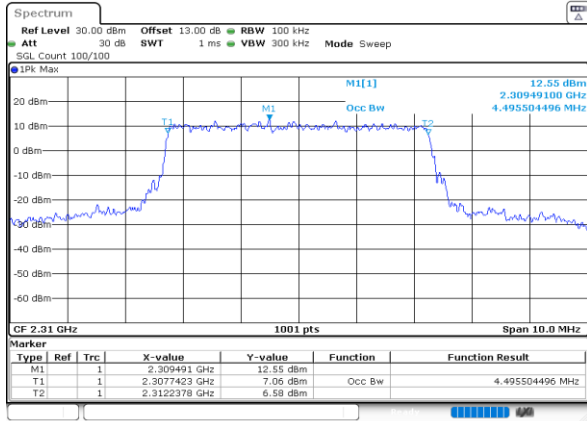
Mode	LTE Band 30 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.48	4.49	9.05	9.09	-	-	-	-
Mode	LTE Band 30 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.49	4.51	9.05	9.07	-	-	-	-





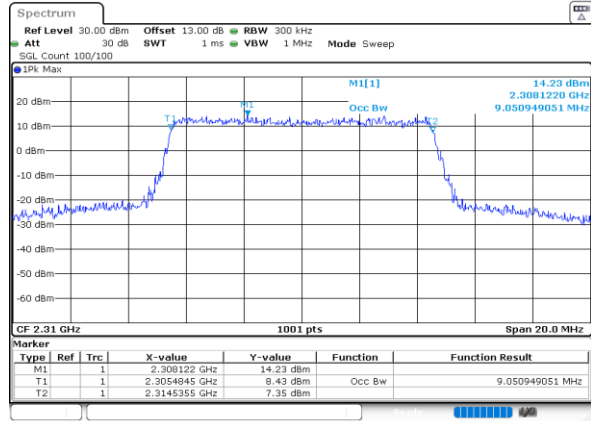
LTE Band 30

Middle Channel / 5MHz / 64QAM



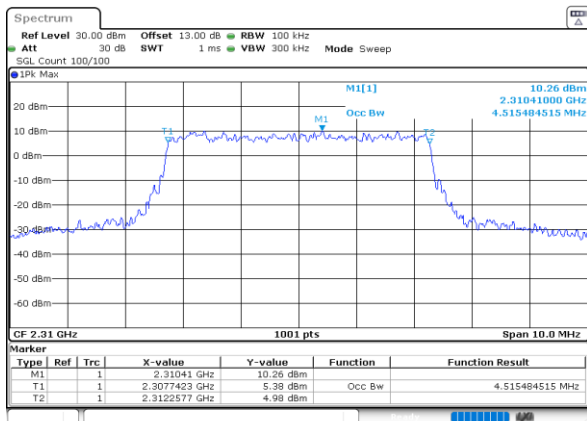
Date: 27.DEC.2023 22:44:28

Middle Channel / 10MHz / 64QAM



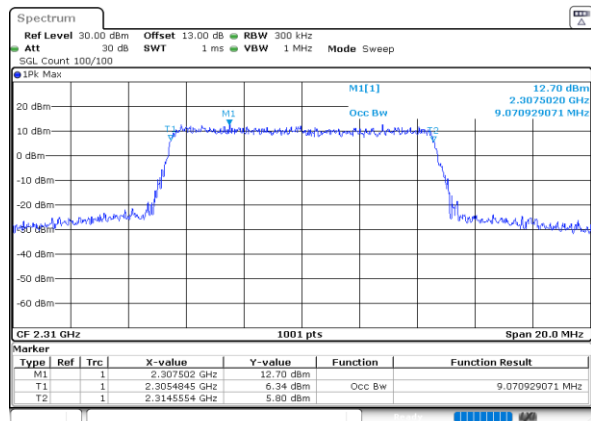
Date: 27.DEC.2023 22:47:31

Middle Channel / 5MHz / 256QAM



Date: 27.DEC.2023 22:44:51

Middle Channel / 10MHz / 256QAM



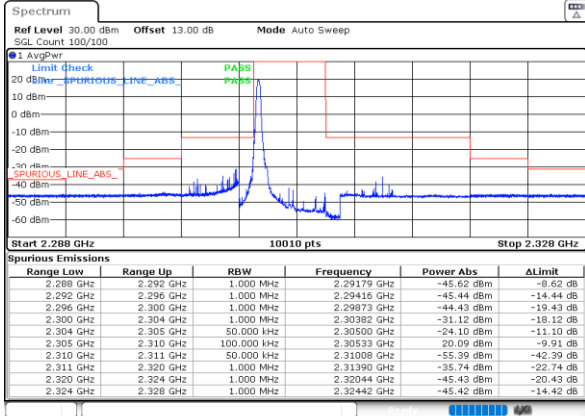
Date: 27.DEC.2023 22:47:54



Conducted Band Edge

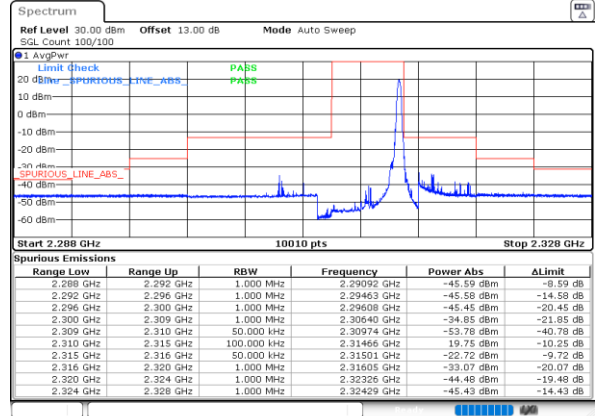
LTE Band 30 / 5MHz / QPSK

Lowest Band Edge / 1 RB



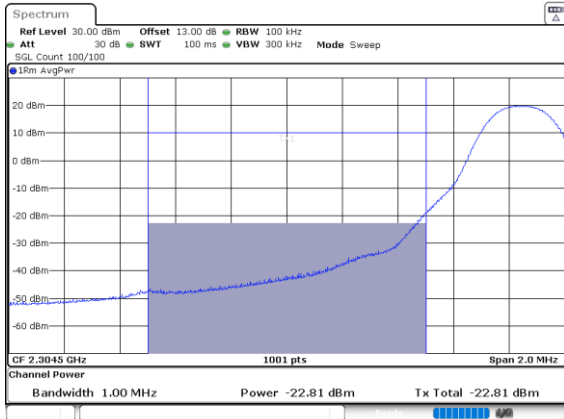
Date: 27. DEC. 2023 22:16:39

Highest Band Edge / 1 RB



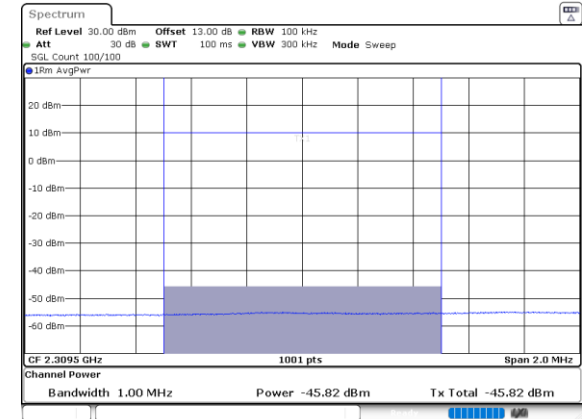
Date: 27. DEC. 2023 22:10:08

Lowest Band Edge / 1 RB / Lower zoom in



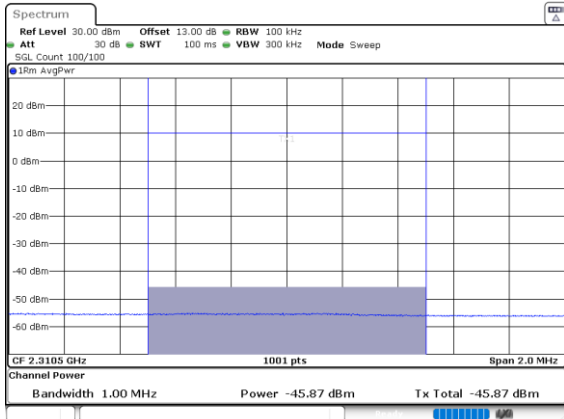
Date: 29. DEC. 2023 10:48:12

Highest Band Edge / 1 RB / Lower zoom in



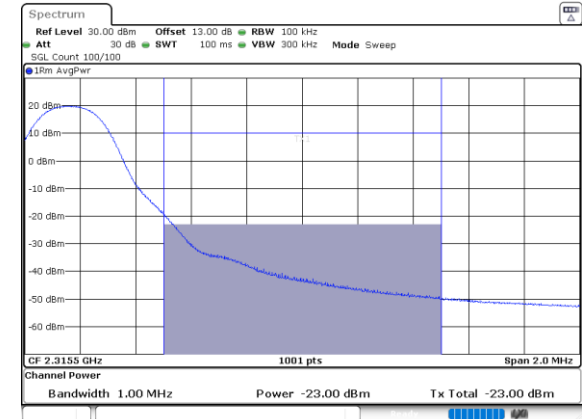
Date: 29. DEC. 2023 10:39:27

Lowest Band Edge / 1 RB / Upper zoom in



Date: 29. DEC. 2023 10:51:00

Highest Band Edge / 1 RB / Upper zoom in

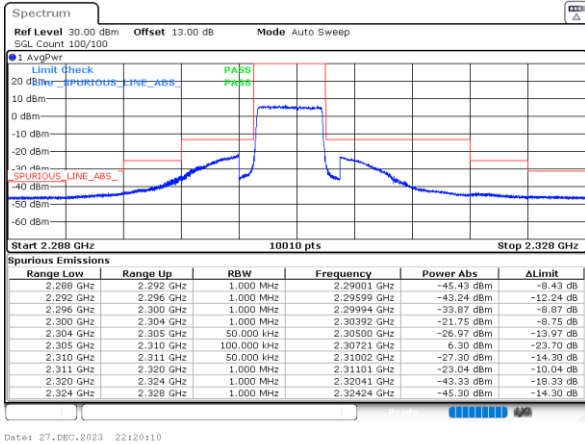


Date: 29. DEC. 2023 10:40:10

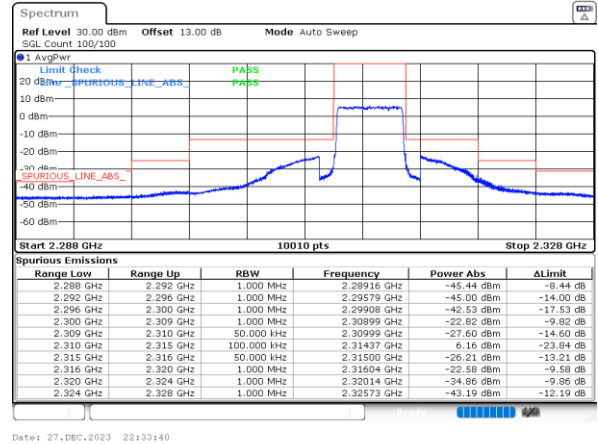


LTE Band 30 / 5MHz / QPSK

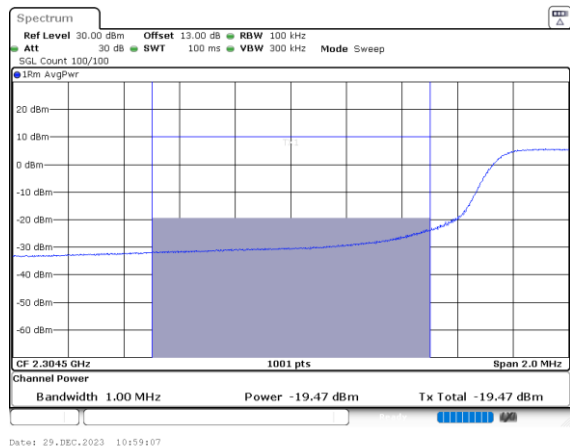
Lowest Band Edge / Full RB



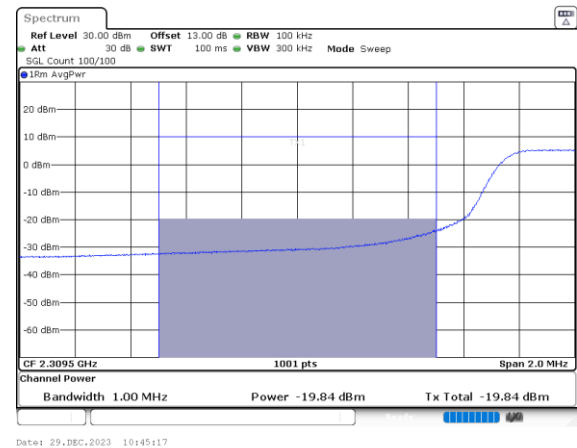
Highest Band Edge / Full RB



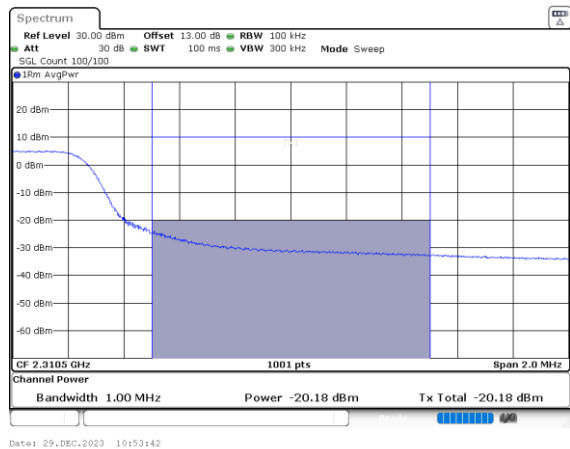
Lowest Band Edge / Full RB / Lower zoom in



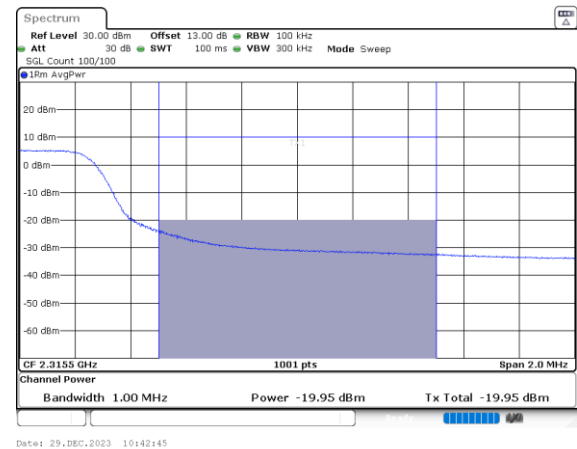
Highest Band Edge / Full RB / Lower zoom in



Lowest Band Edge / Full RB / Upper zoom in



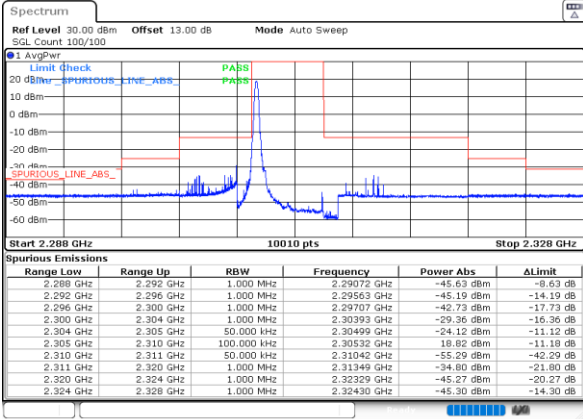
Highest Band Edge / Full RB / Upper zoom in





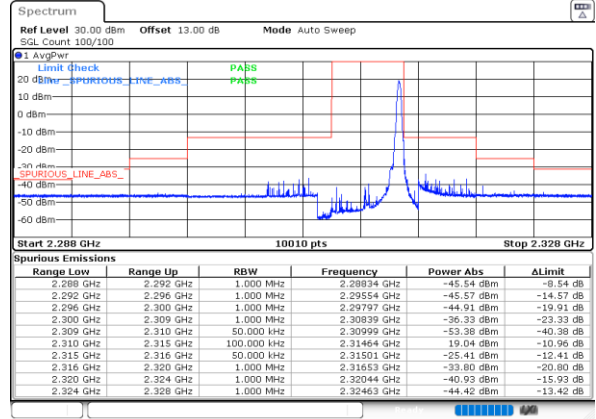
LTE Band 30 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



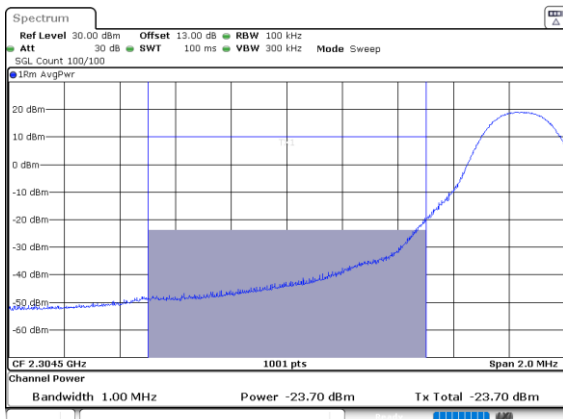
Date: 27. DEC. 2023 22:17:31

Highest Band Edge / 1 RB



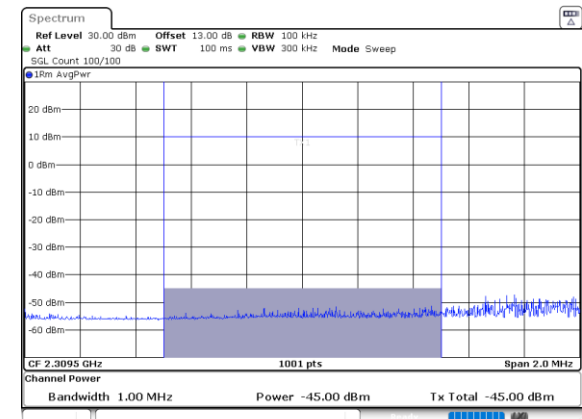
Date: 27. DEC. 2023 22:13:01

Lowest Band Edge / 1 RB / Lower zoom in



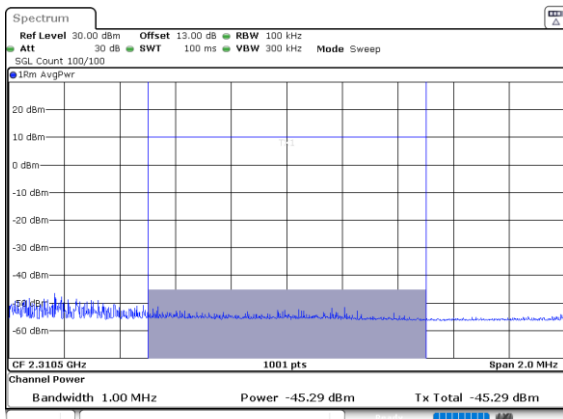
Date: 29. DEC. 2023 10:48:50

Highest Band Edge / 1 RB / Lower zoom in



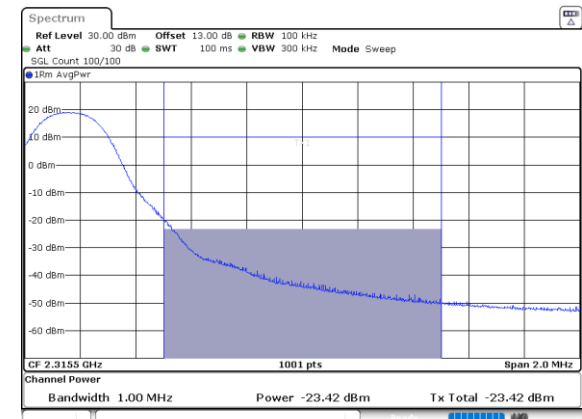
Date: 29. DEC. 2023 10:30:34

Lowest Band Edge / 1 RB / Upper zoom in



Date: 29. DEC. 2023 10:51:35

Highest Band Edge / 1 RB / Upper zoom in

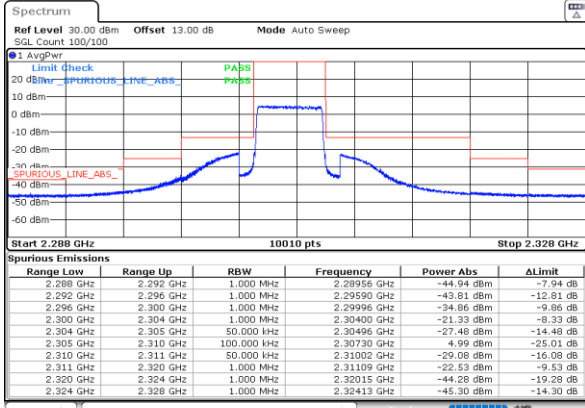


Date: 29. DEC. 2023 10:35:31

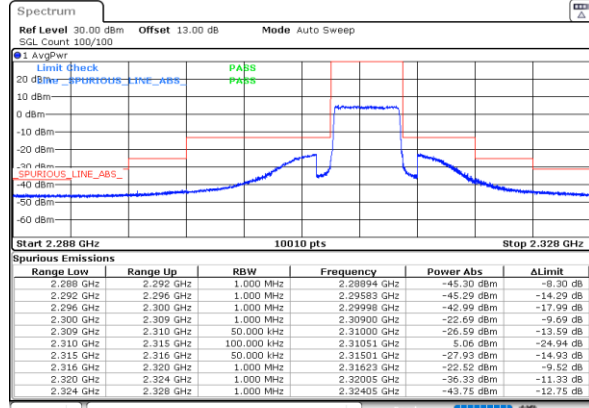


LTE Band 30 / 5MHz / 16QAM

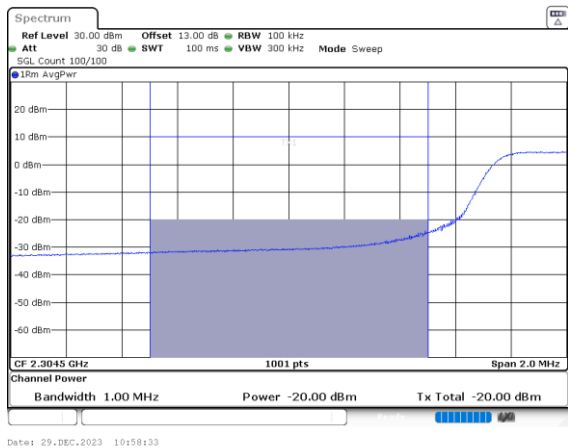
Lowest Band Edge / Full RB



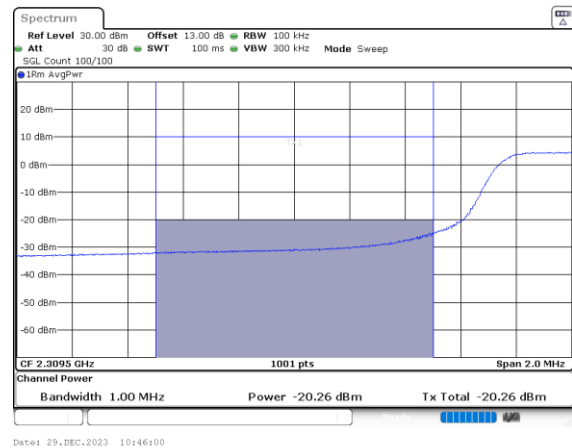
Highest Band Edge / Full RB



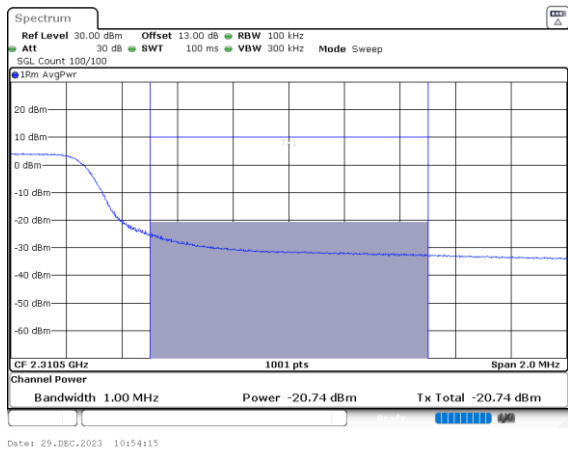
Lowest Band Edge / Full RB / Lower zoom in



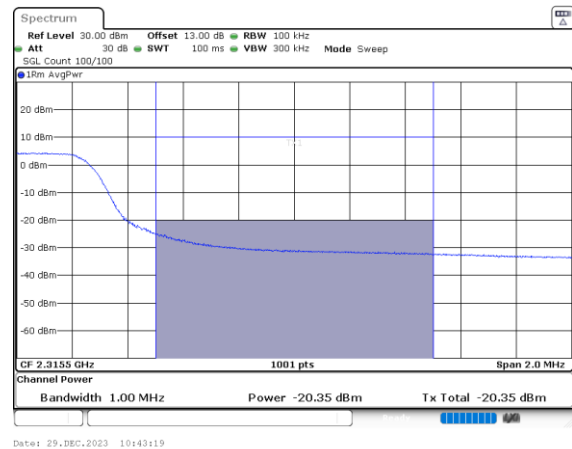
Highest Band Edge / Full RB / Lower zoom in



Lowest Band Edge / Full RB / Upper zoom in



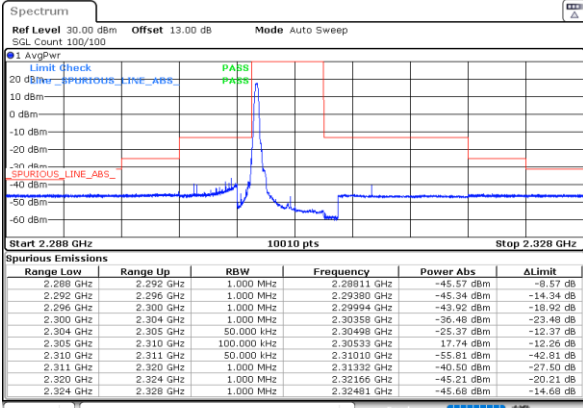
Highest Band Edge / Full RB / Upper zoom in



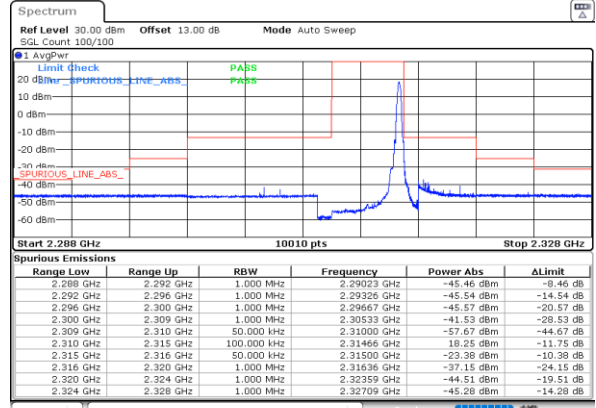


LTE Band 30 / 5MHz / 64QAM

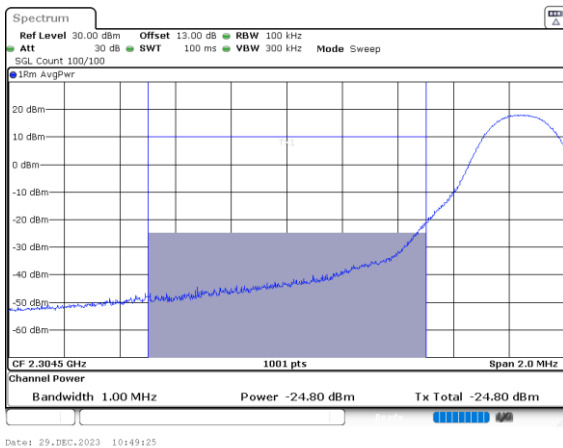
Lowest Band Edge / 1 RB



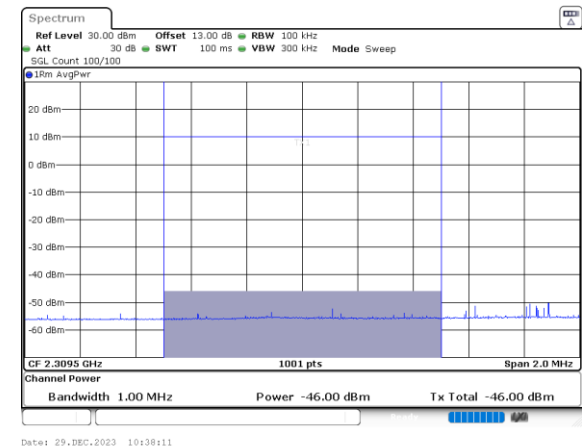
Highest Band Edge / 1 RB



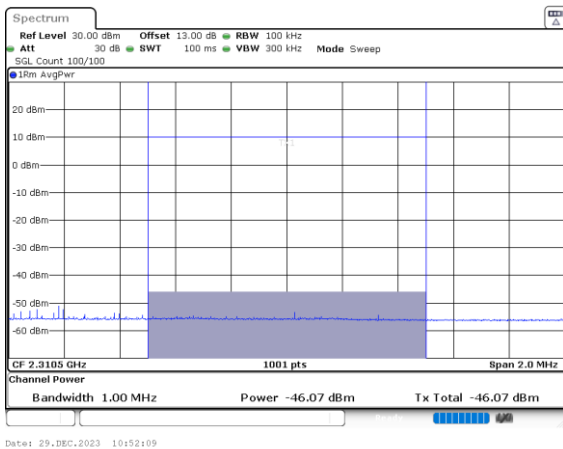
Lowest Band Edge / 1 RB / Lower zoom in



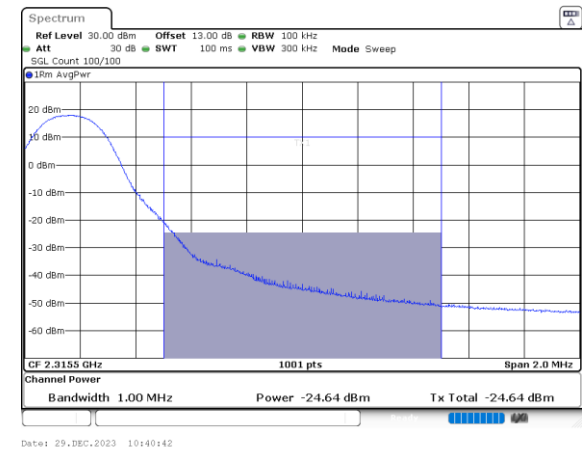
Highest Band Edge / 1 RB / Lower zoom in



Lowest Band Edge / 1 RB / Upper zoom in



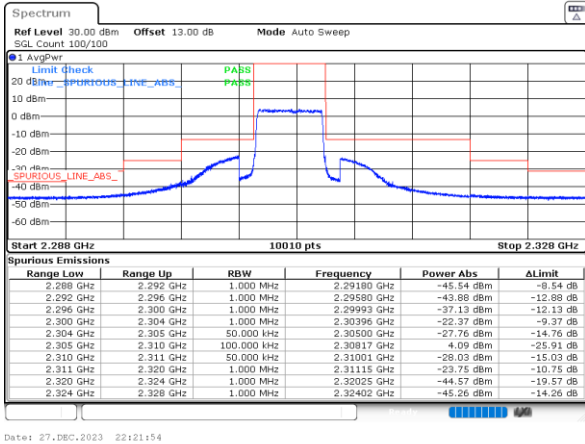
Highest Band Edge / 1 RB / Upper zoom in



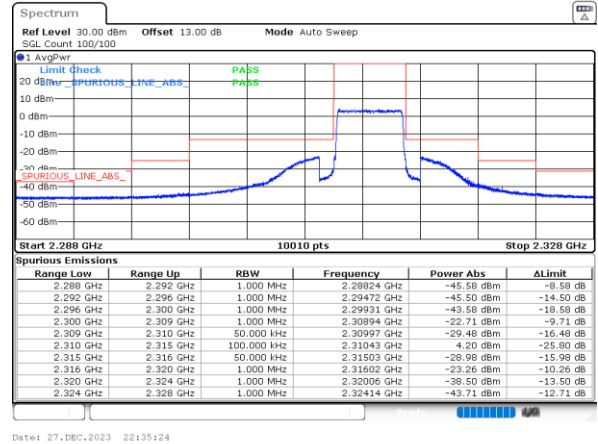


LTE Band 30 / 5MHz / 64QAM

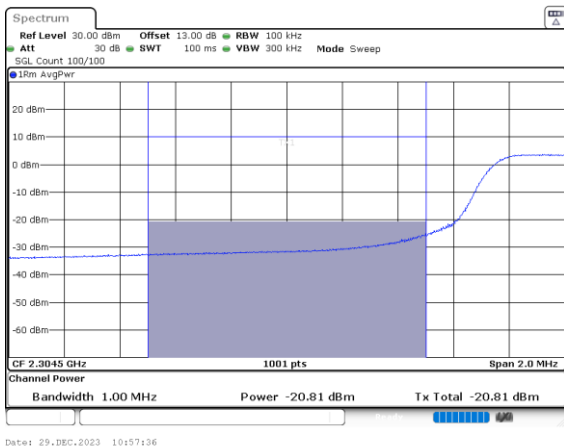
Lowest Band Edge / Full RB



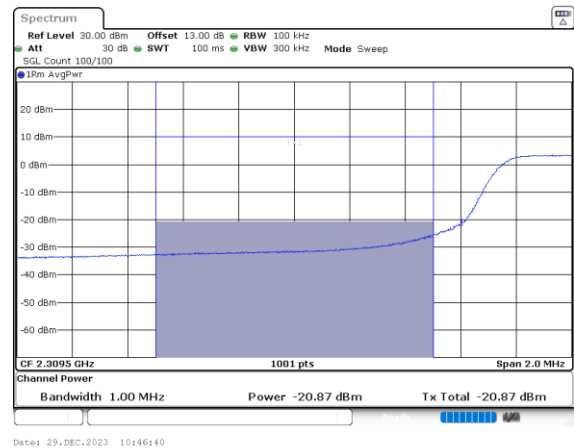
Highest Band Edge / Full RB



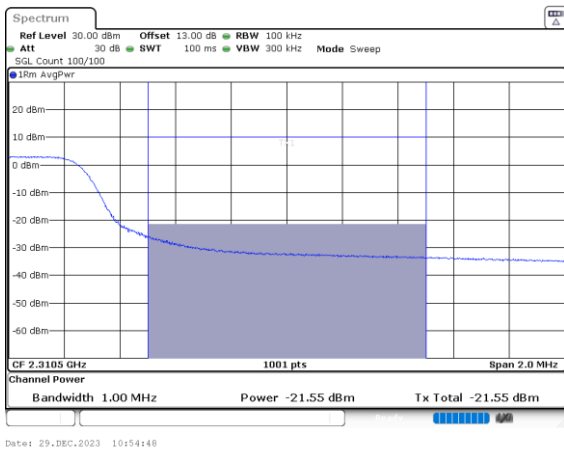
Lowest Band Edge / Full RB / Lower zoom in



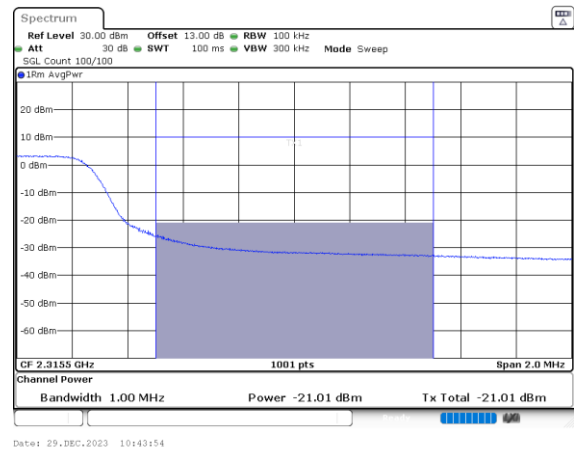
Highest Band Edge / Full RB / Lower zoom in



Lowest Band Edge / Full RB / Upper zoom in



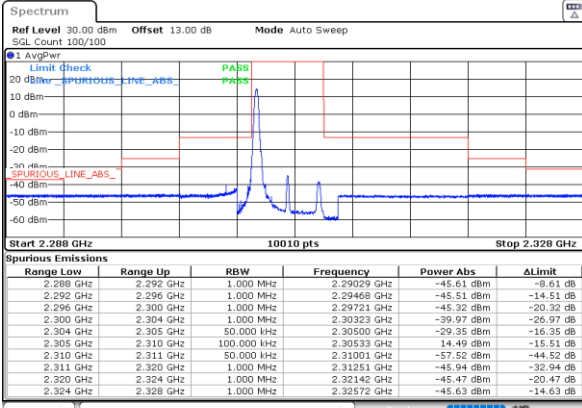
Highest Band Edge / Full RB / Upper zoom in





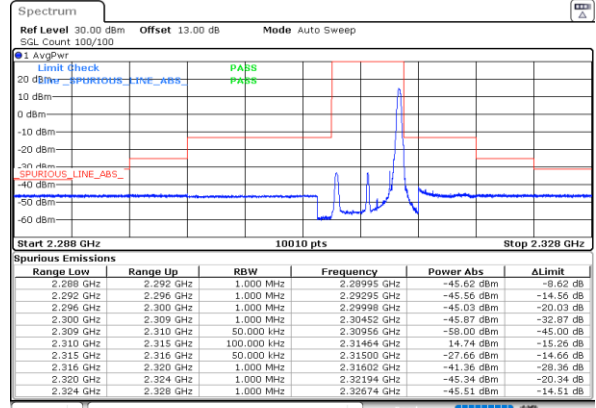
LTE Band 30 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



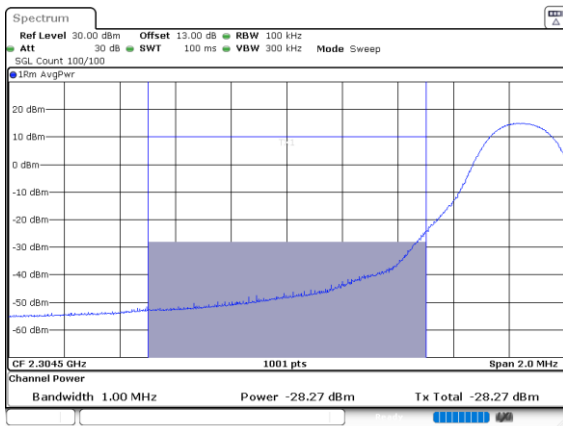
Date: 27. DEC. 2023 22:19:15

Highest Band Edge / 1 RB



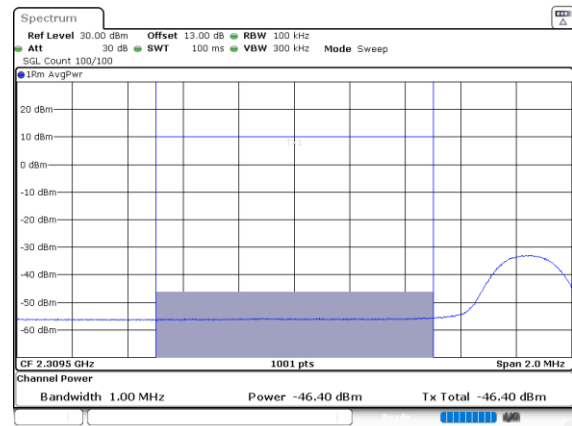
Date: 27. DEC. 2023 22:13:45

Lowest Band Edge / 1 RB / Lower zoom in



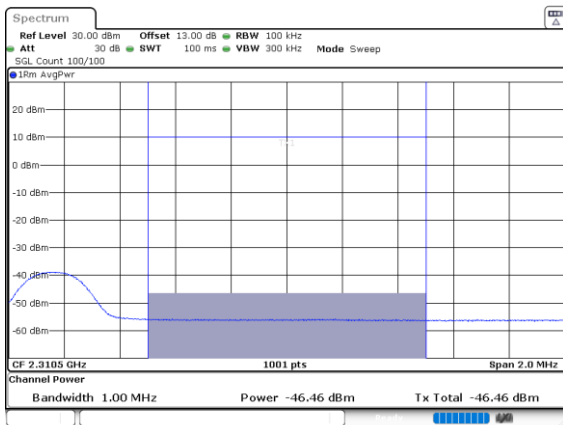
Date: 29. DEC. 2023 10:50:01

Highest Band Edge / 1 RB / Lower zoom in



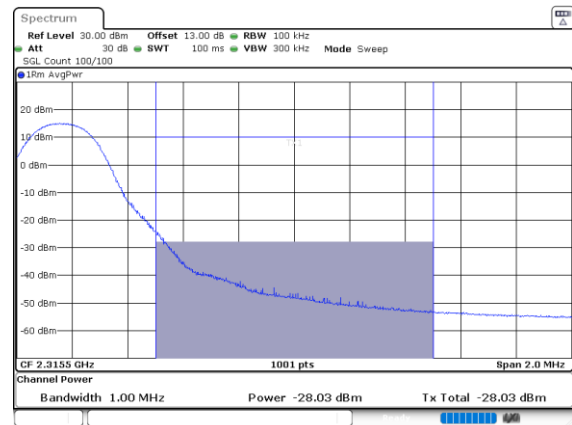
Date: 29. DEC. 2023 10:38:48

Lowest Band Edge / 1 RB / Upper zoom in



Date: 29. DEC. 2023 10:52:56

Highest Band Edge / 1 RB / Upper zoom in

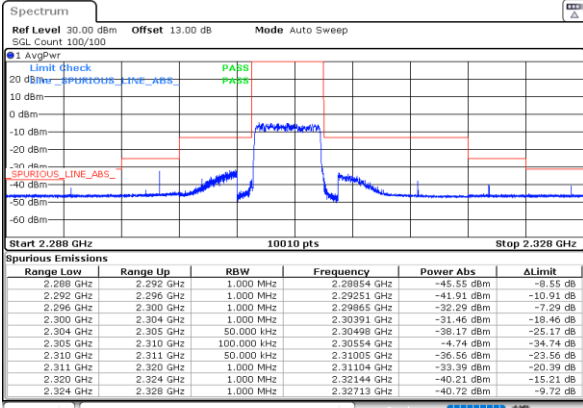


Date: 29. DEC. 2023 10:41:19

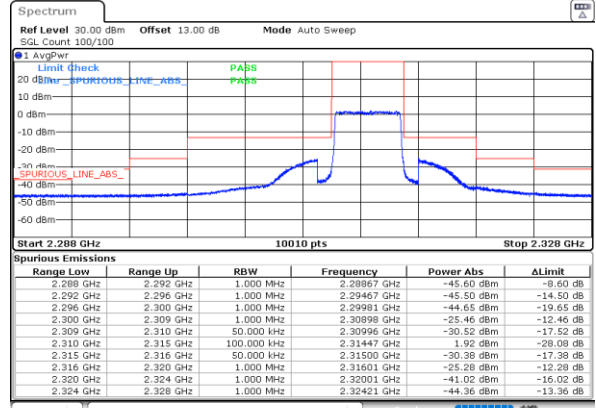


LTE Band 30 / 5MHz / 256QAM

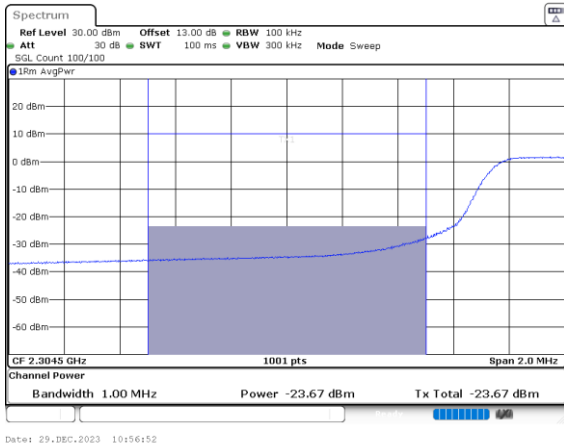
Lowest Band Edge / Full RB



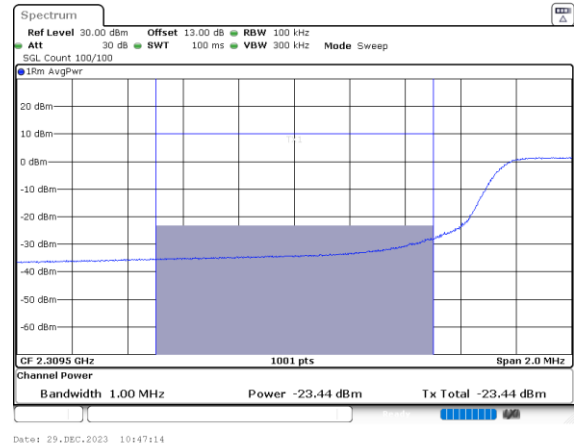
Highest Band Edge / Full RB



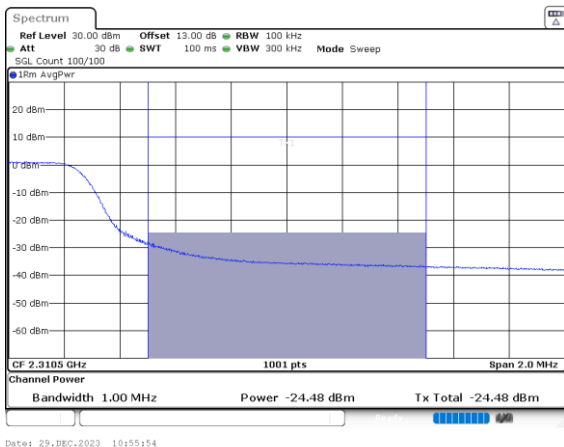
Lowest Band Edge / Full RB / Lower zoom in



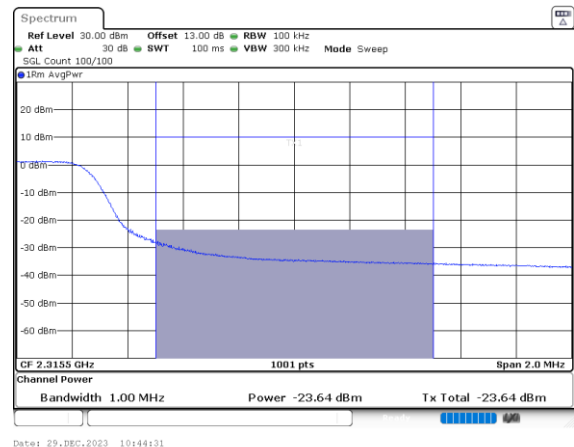
Highest Band Edge / Full RB / Lower zoom in



Lowest Band Edge / Full RB / Upper zoom in



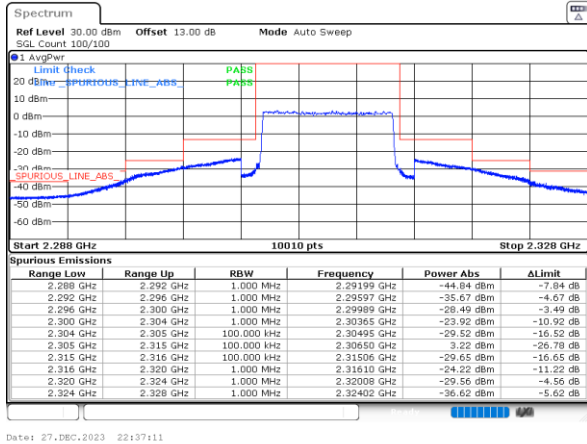
Highest Band Edge / Full RB / Upper zoom in





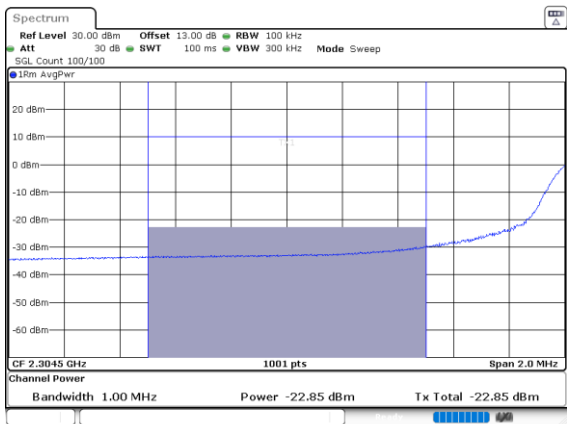
LTE Band 30 / 10MHz / QPSK

Middle Band Edge / Full RB



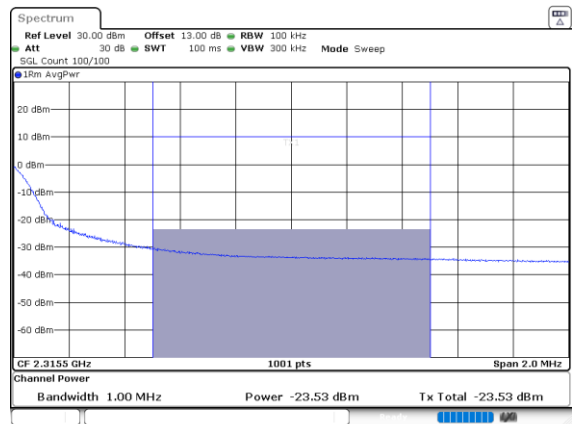
Date: 27, DEC, 2023 22:37:11

Middle Band Edge / Full RB / Lower zoom in



Date: 29, DEC, 2023 11:00:25

Middle Band Edge / Full RB / Upper zoom in

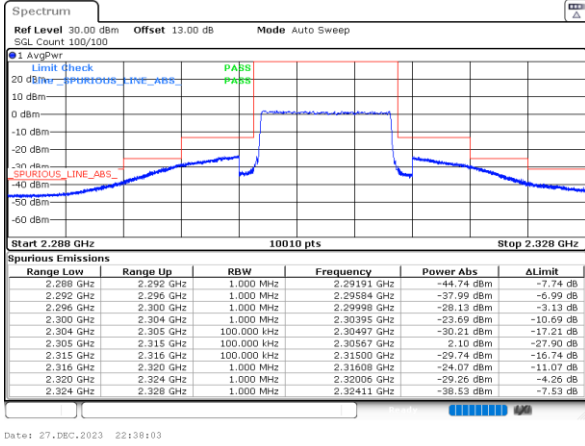


Date: 29, DEC, 2023 11:04:48



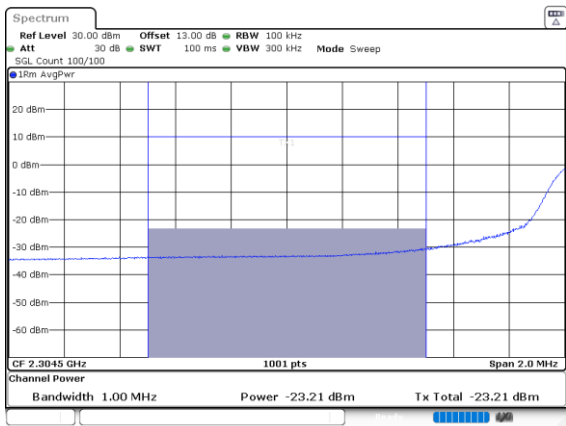
LTE Band 30 / 10MHz / 16QAM

Middle Band Edge / Full RB



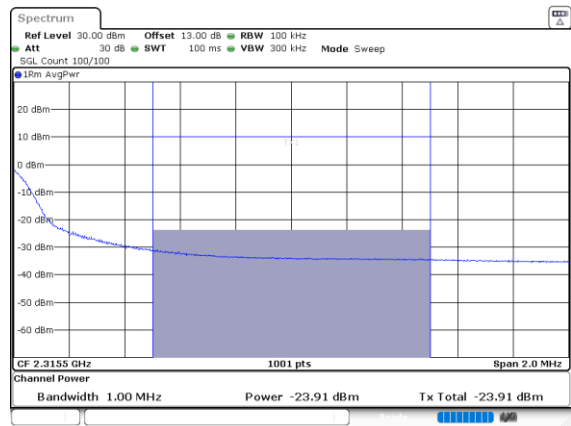
Date: 27. DEC. 2023 22:38:03

Middle Band Edge / Full RB / Lower zoom in



Date: 29. DEC. 2023 11:00:58

Middle Band Edge / Full RB / Upper zoom in

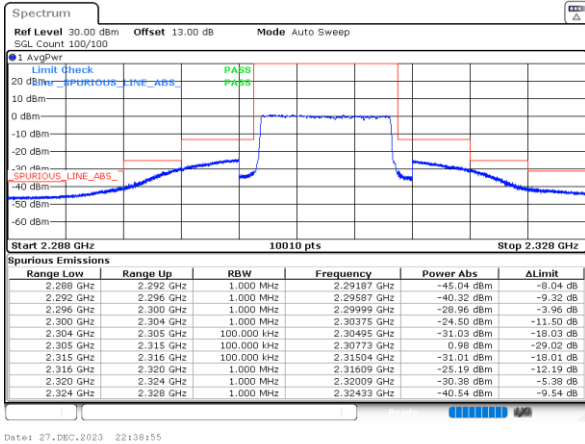


Date: 29. DEC. 2023 11:03:50



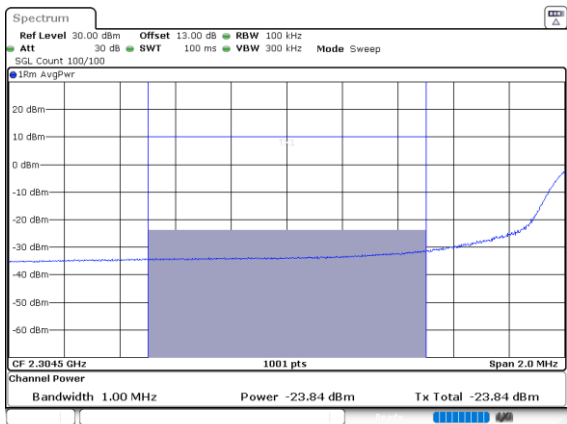
LTE Band 30 / 10MHz / 64QAM

Middle Band Edge / Full RB



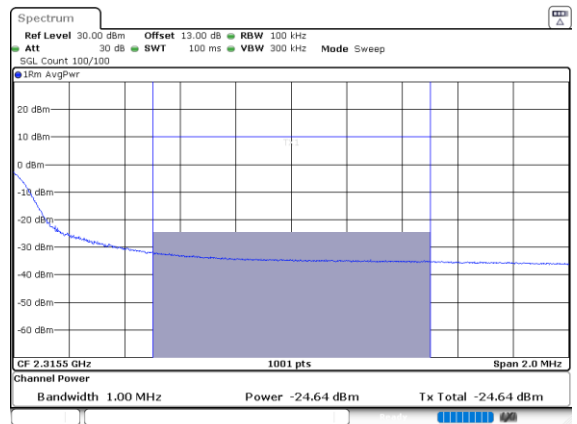
Date: 27, DEC, 2023 22:38:55

Middle Band Edge / Full RB / Lower zoom in



Date: 29, DEC, 2023 11:01:37

Middle Band Edge / Full RB / Upper zoom in

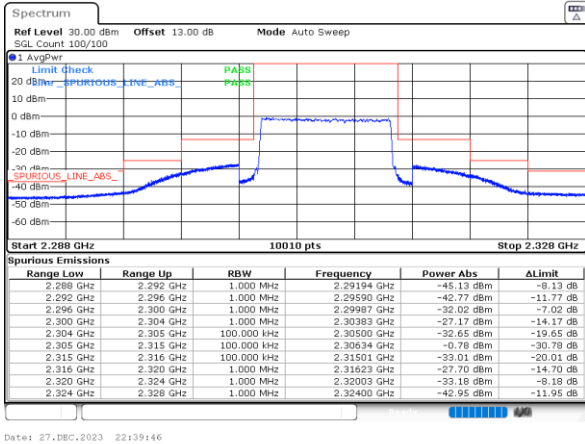


Date: 29, DEC, 2023 11:03:18



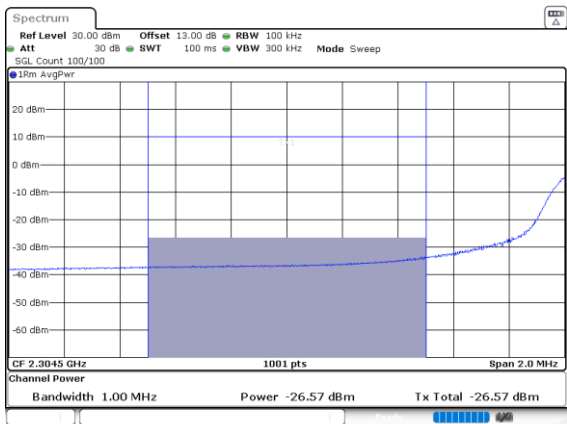
LTE Band 30 / 10MHz / 256QAM

Middle Band Edge / Full RB



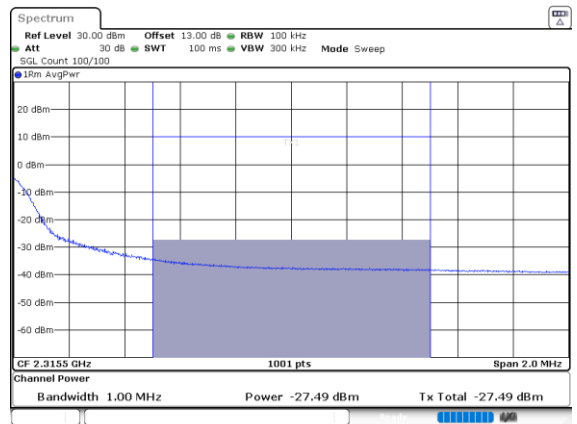
Date: 27. DEC. 2023 22:39:46

Middle Band Edge / Full RB / Lower zoom in



Date: 29. DEC. 2023 11:02:09

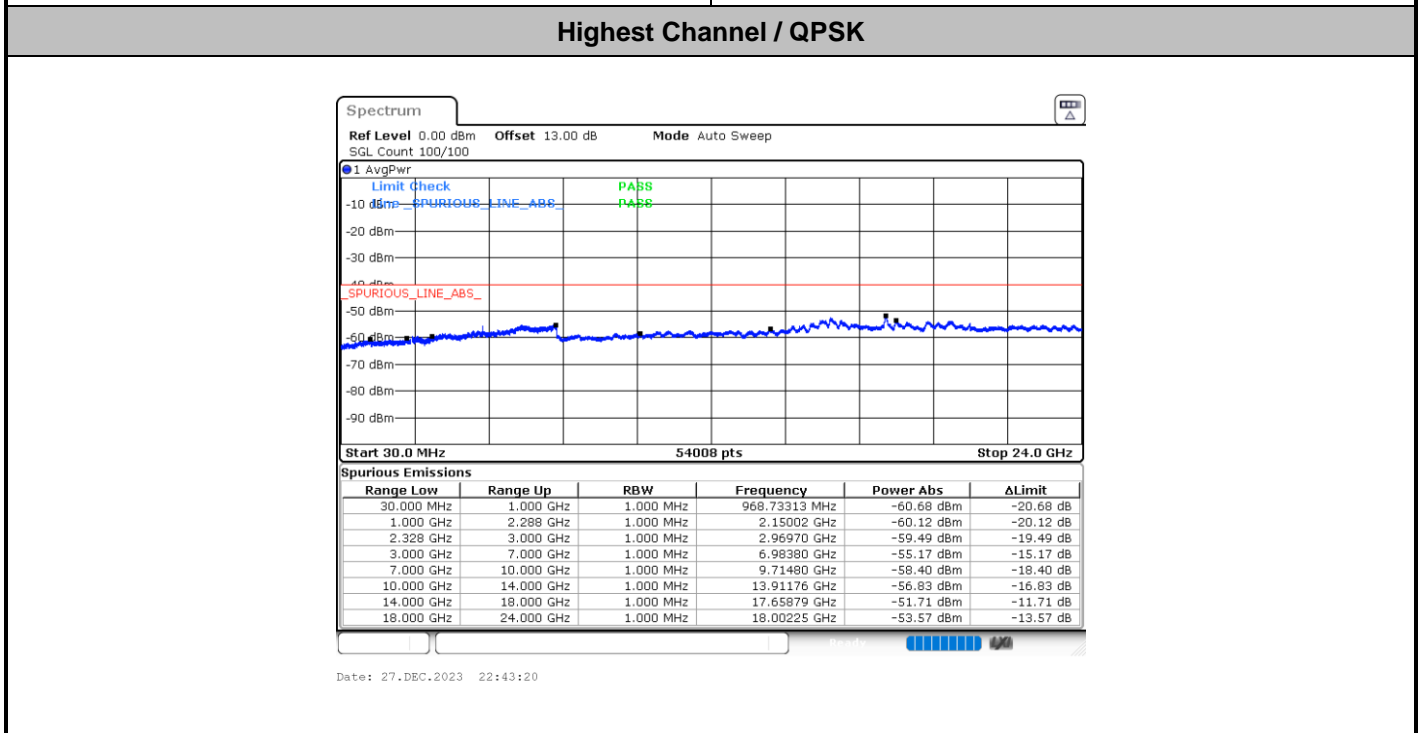
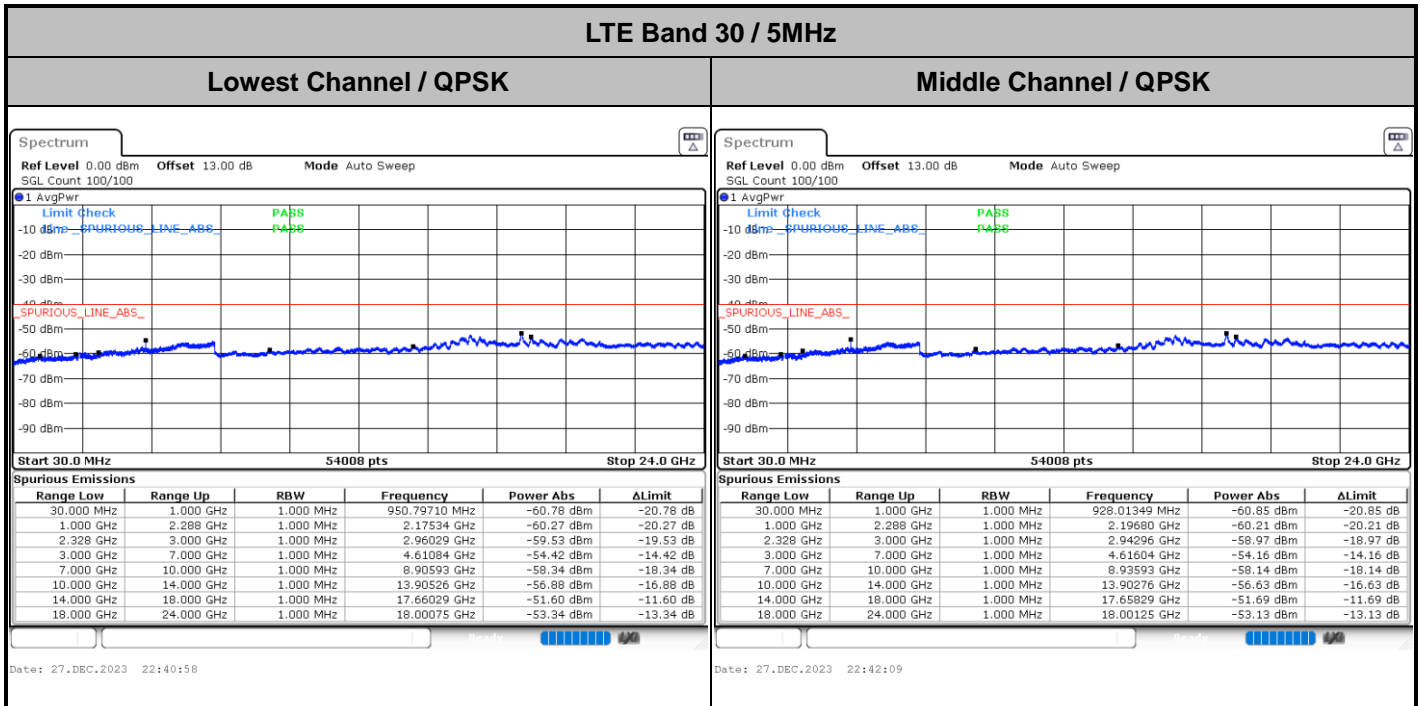
Middle Band Edge / Full RB / Upper zoom in



Date: 29. DEC. 2023 11:02:45



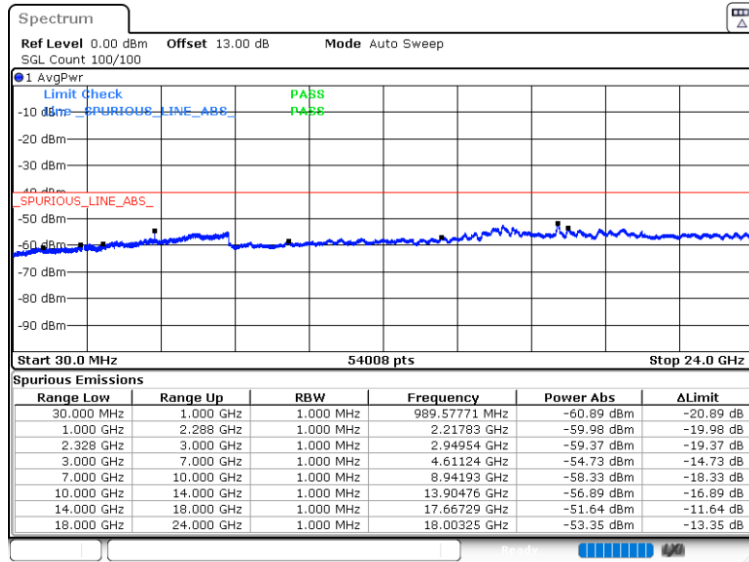
Conducted Spurious Emission





LTE Band 30 / 10MHz

Middle Channel / QPSK



Date: 27.DEC.2023 22:52:09



Frequency Stability

Test Conditions		LTE Band 30 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0053	PASS
40	Normal Voltage	0.0030	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0053	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0028	
-20	Normal Voltage	0.0061	
-30	Normal Voltage	0.0064	
20	Maximum Voltage	0.0039	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

- 1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.2 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.