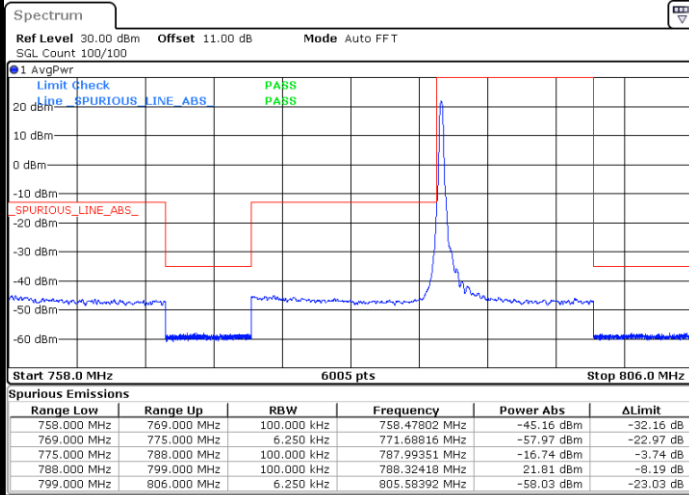




Conducted Band Edge

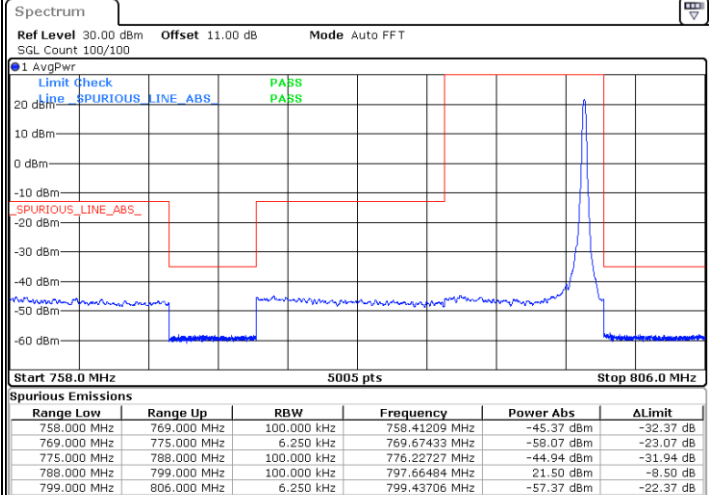
LTE Band 14 / 5MHz / QPSK

Lowest Band Edge / 1 RB



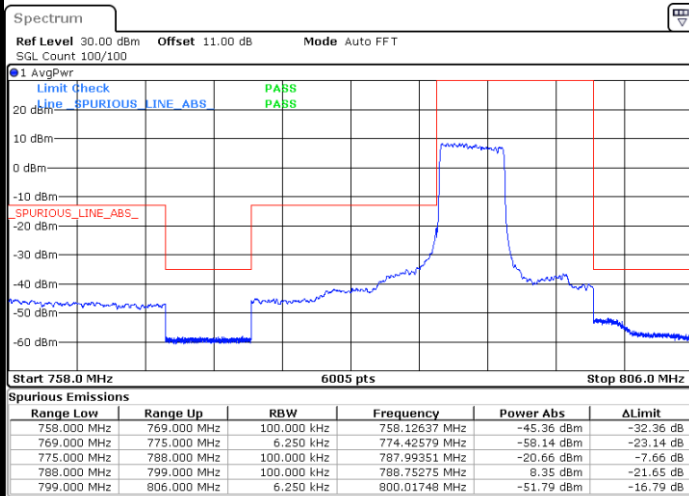
Date: 17.MAR.2025 12:37:42

Highest Band Edge / 1 RB



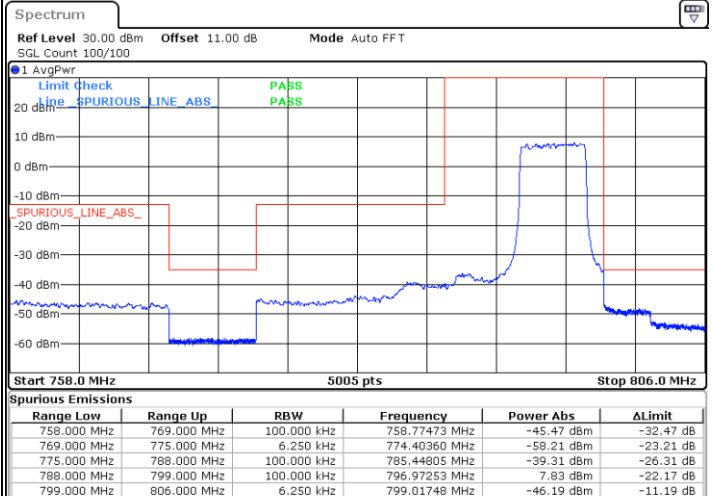
Date: 17.MAR.2025 12:46:04

Lowest Band Edge / Full RB



Date: 17.MAR.2025 12:33:31

Highest Band Edge / Full RB

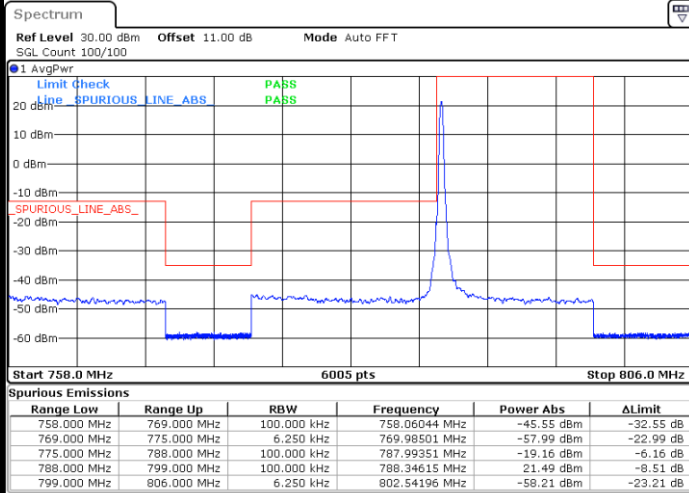


Date: 17.MAR.2025 12:41:53

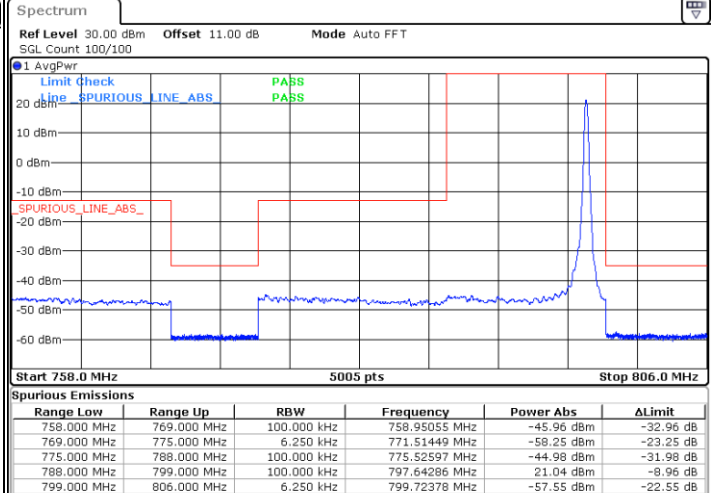


LTE Band 14 / 5MHz / 16QAM

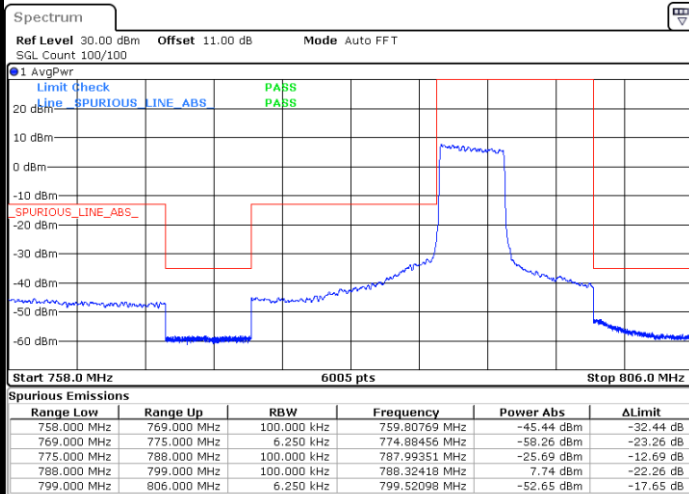
Lowest Band Edge / 1 RB



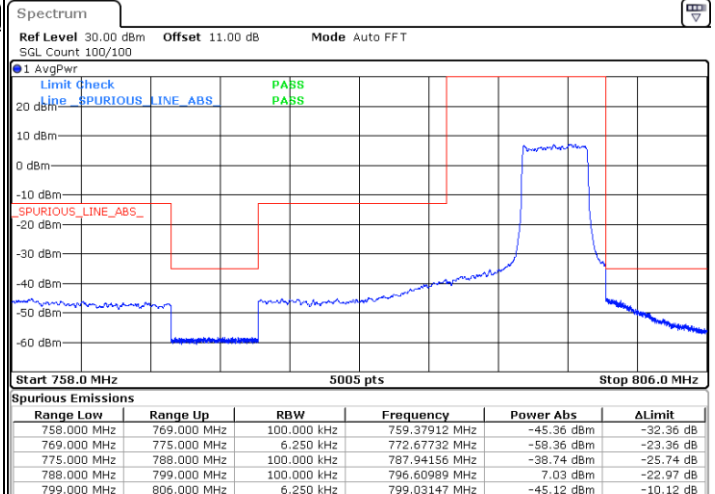
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



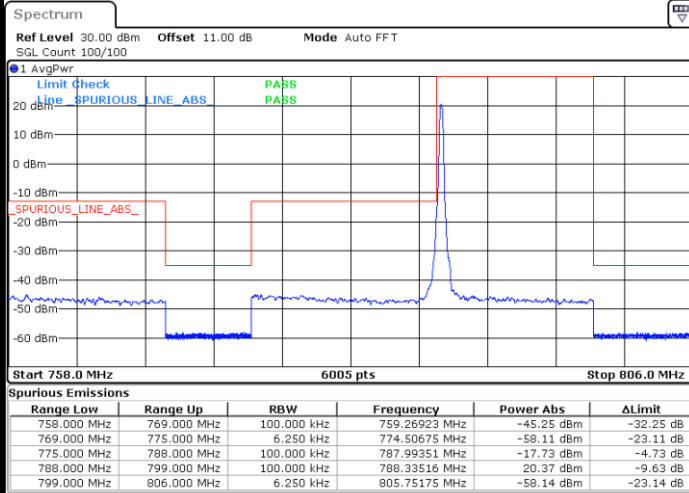
Highest Band Edge / Full RB



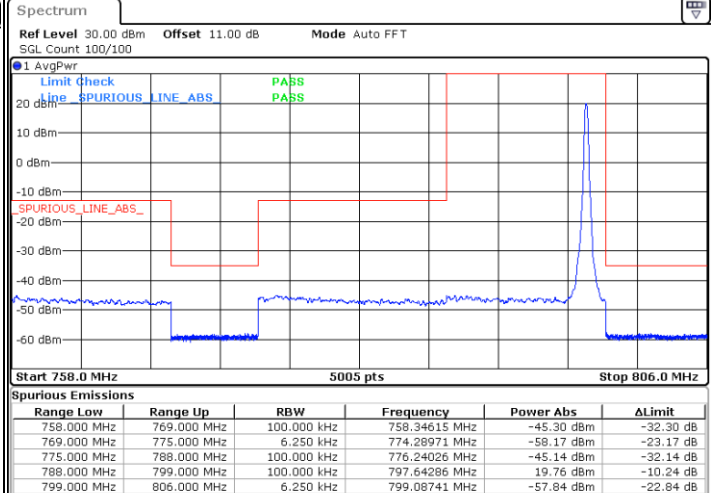


LTE Band 14 / 5MHz / 64QAM

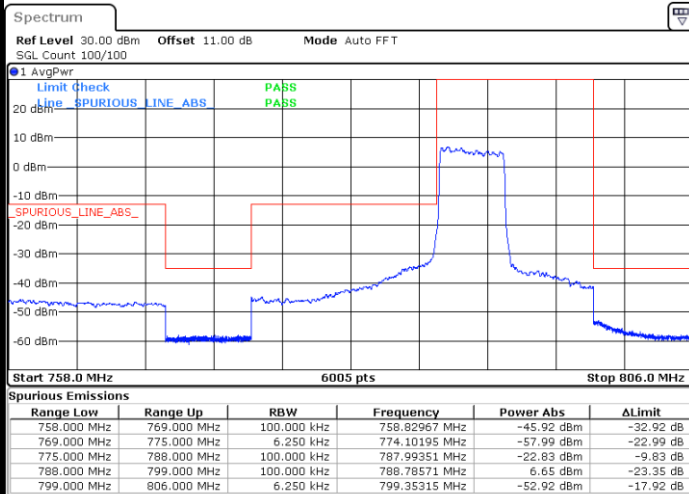
Lowest Band Edge / 1 RB



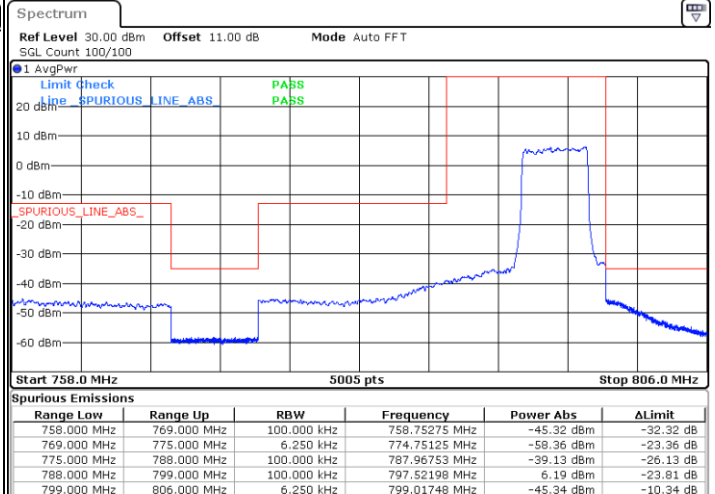
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



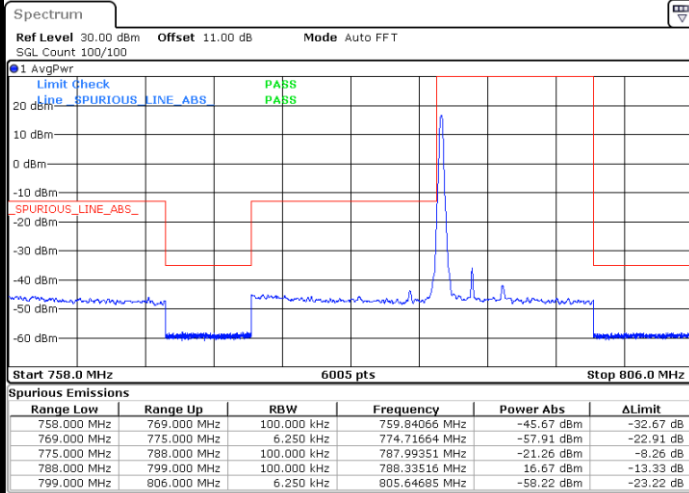
Highest Band Edge / Full RB



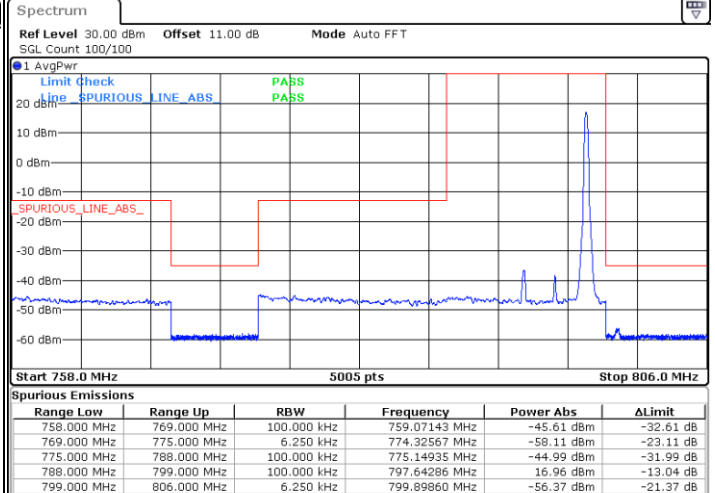


LTE Band 14 / 5MHz / 256QAM

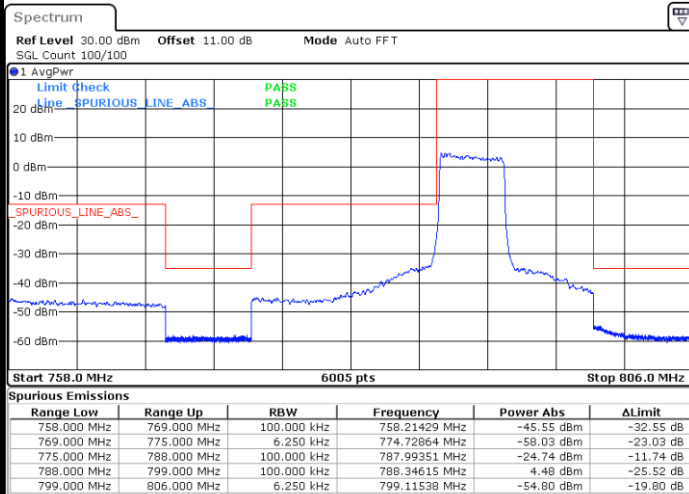
Lowest Band Edge / 1 RB



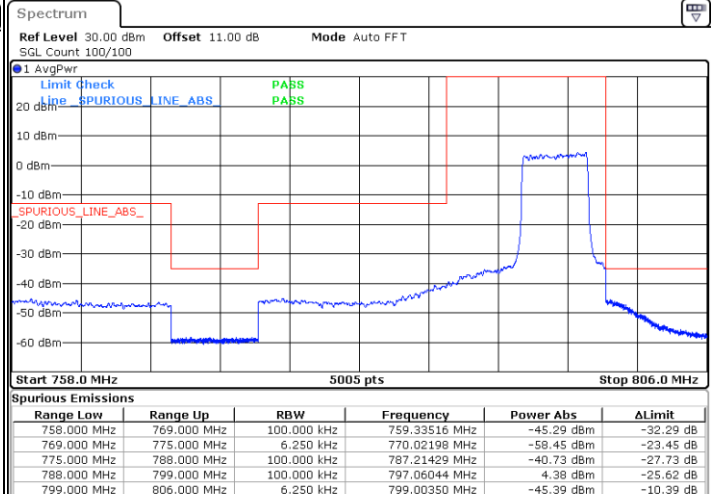
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



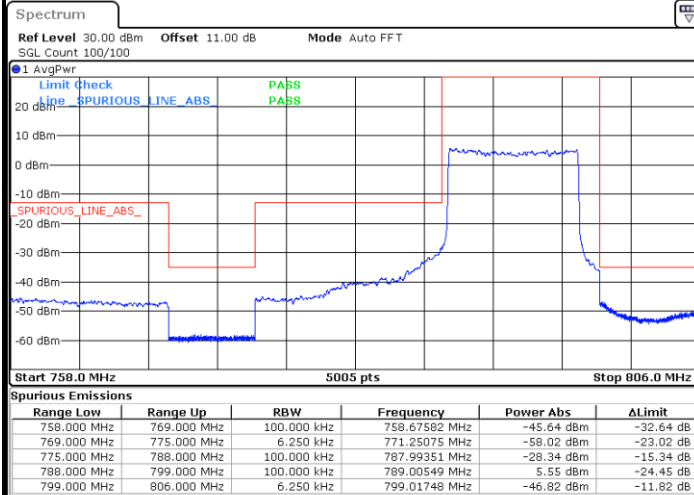
Highest Band Edge / Full RB





LTE Band 14 / 10MHz / QPSK

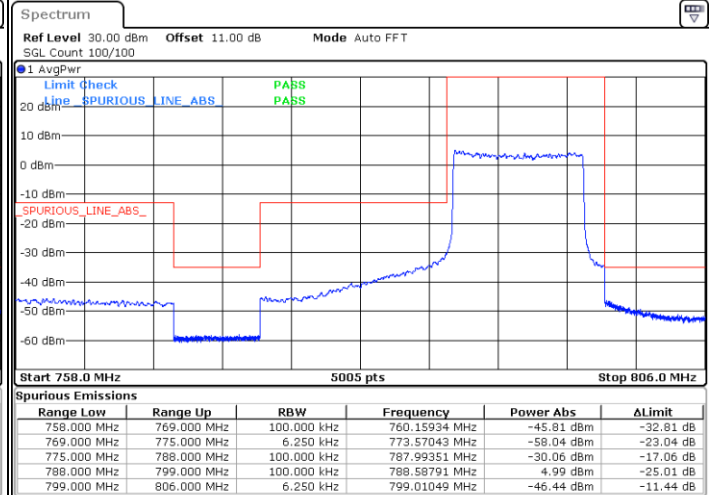
Band Edge / Full RB



Date: 17.MAR.2025 12:50:16

LTE Band 14 / 10MHz / 16QAM

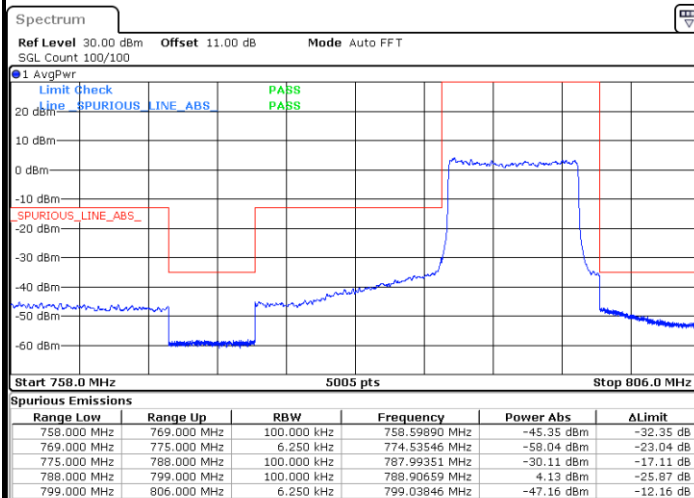
Band Edge / Full RB



Date: 17.MAR.2025 12:51:18

LTE Band 14 / 10MHz / 64QAM

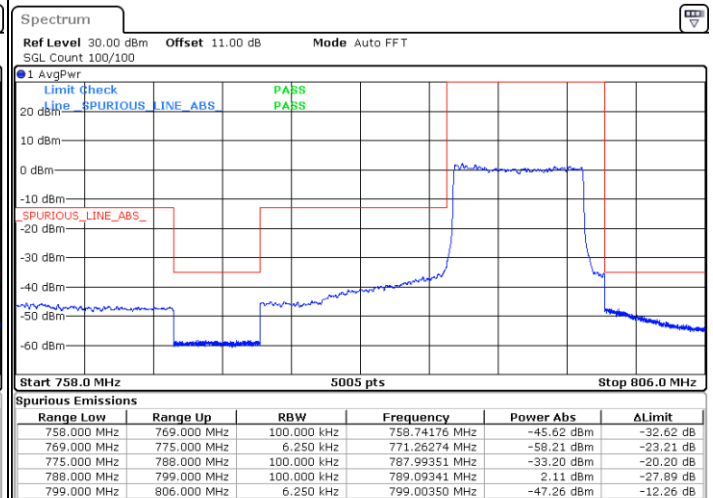
Band Edge / Full RB



Date: 17.MAR.2025 12:52:20

LTE Band 14 / 10MHz / 256QAM

Band Edge / Full RB



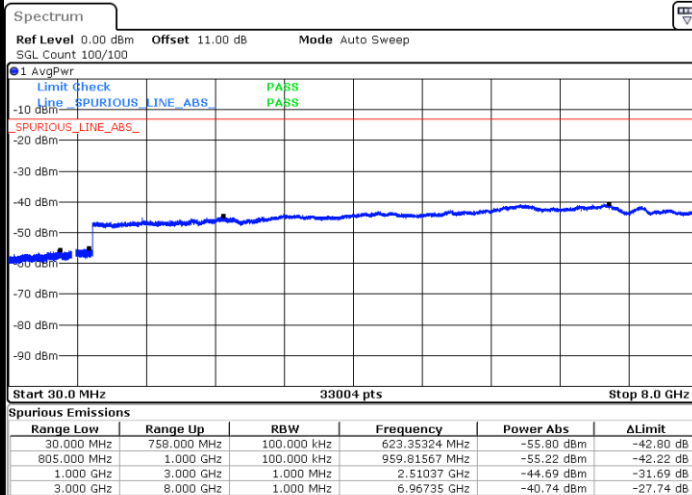
Date: 17.MAR.2025 12:53:22



Conducted Spurious Emission

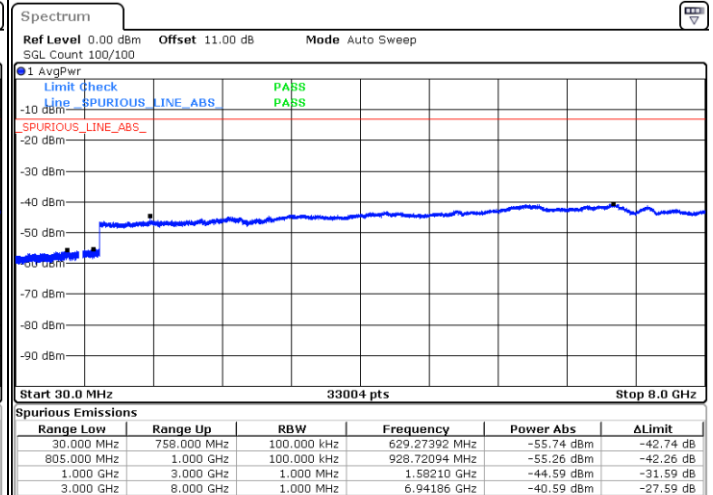
LTE Band 14 / 5MHz

Lowest Channel / QPSK



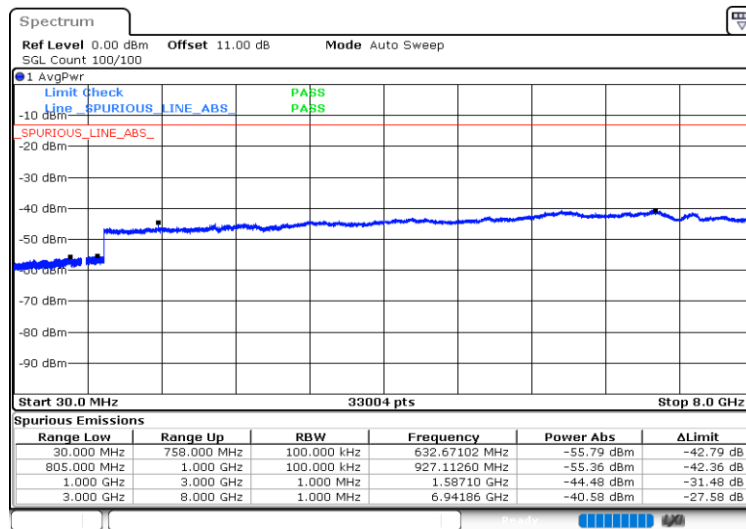
Date: 17.MAR.2025 14:00:34

Middle Channel / QPSK



Date: 17.MAR.2025 14:01:46

Highest Channel / QPSK

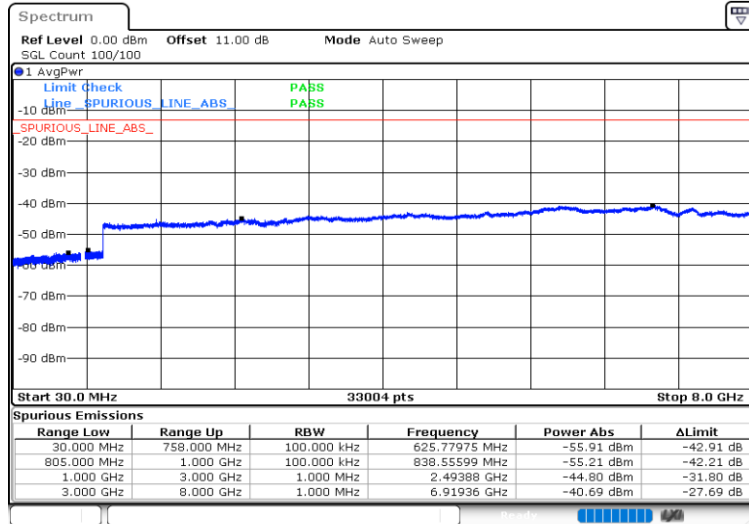


Date: 17.MAR.2025 14:02:58



LTE Band 14 / 10MHz

Middle Channel / QPSK



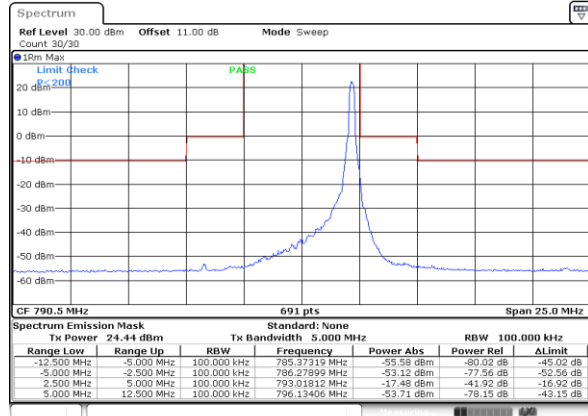
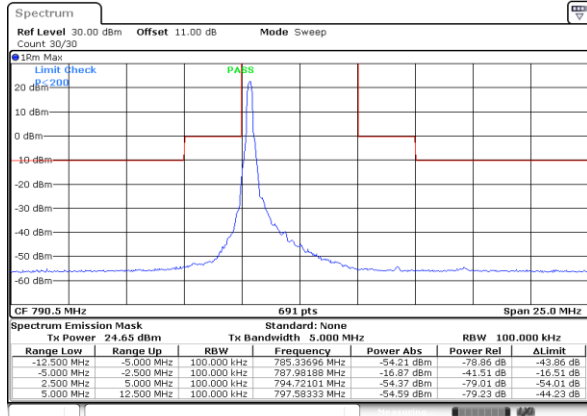
Date: 17.MAR.2025 14:04:12



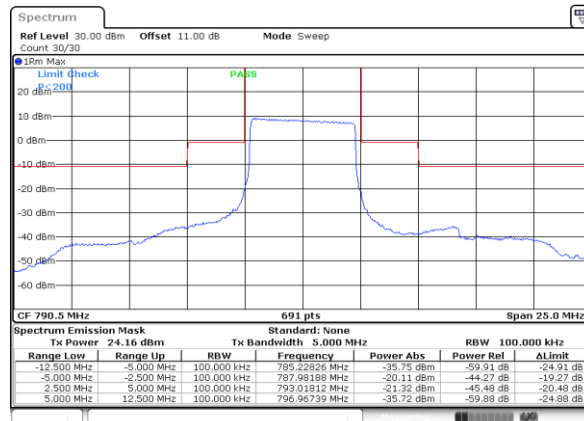
Mask

LTE Band 14 / 5MHz / QPSK

Lowest Channel / 1RB

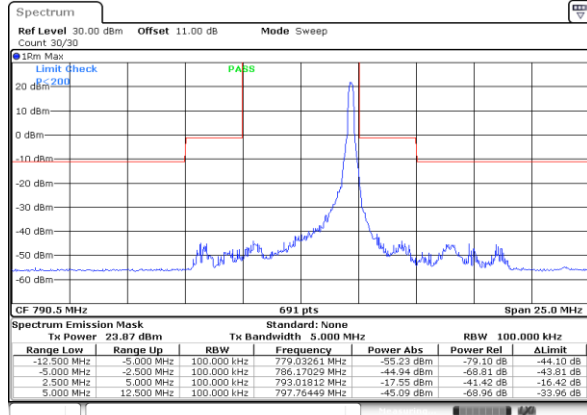
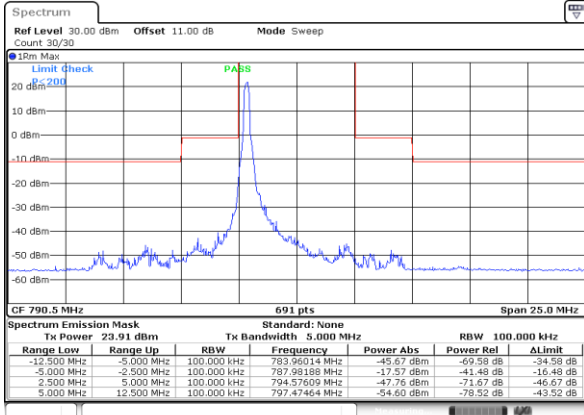


Lowest Channel / Full RB

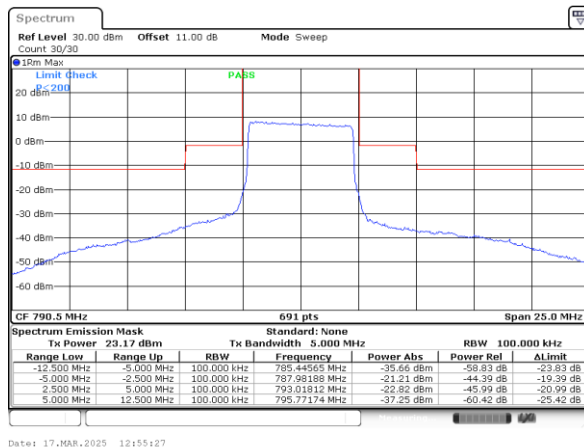


LTE Band 14 / 5MHz / 16QAM

Lowest Channel / 1RB



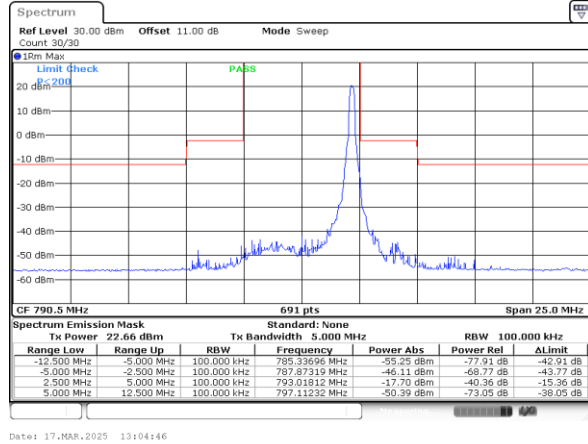
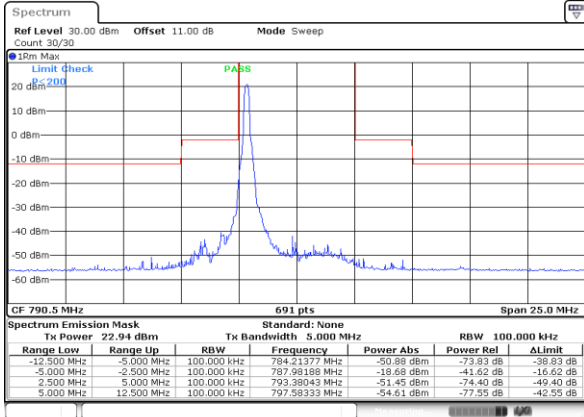
Lowest Channel / Full RB



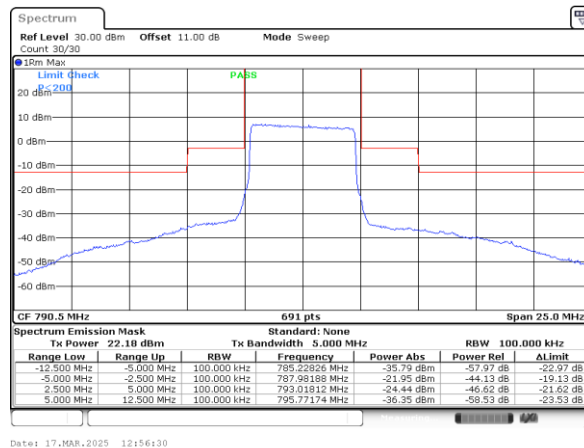


LTE Band 14 / 5MHz / 64QAM

Lowest Channel / 1RB

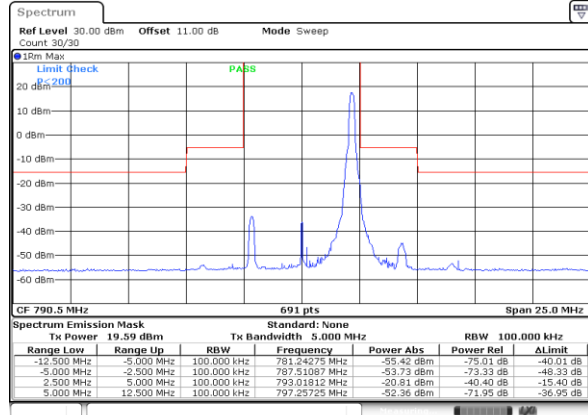
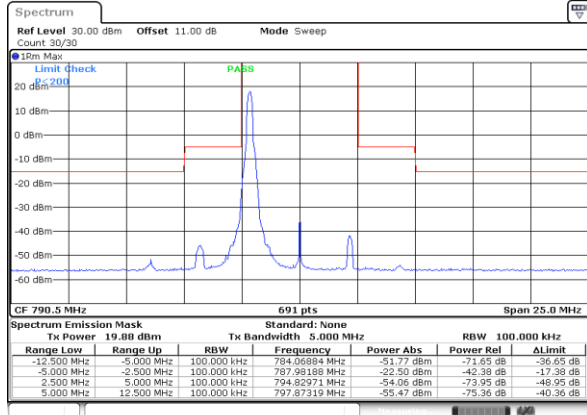


Lowest Channel / Full RB

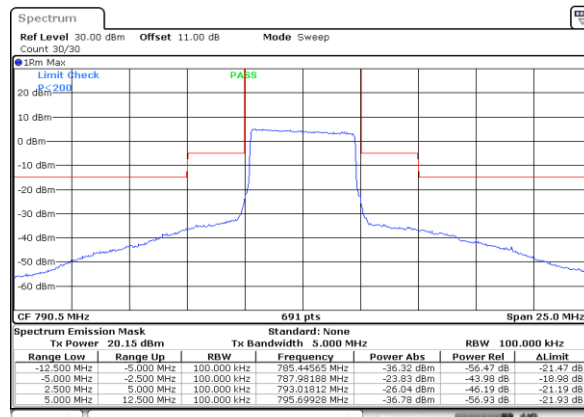


LTE Band 14 / 5MHz / 256QAM

Lowest Channel / 1RB

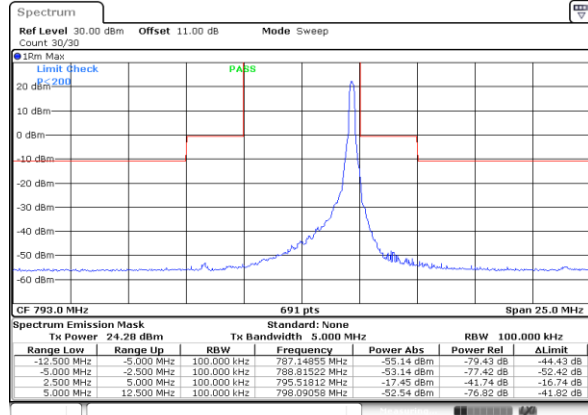
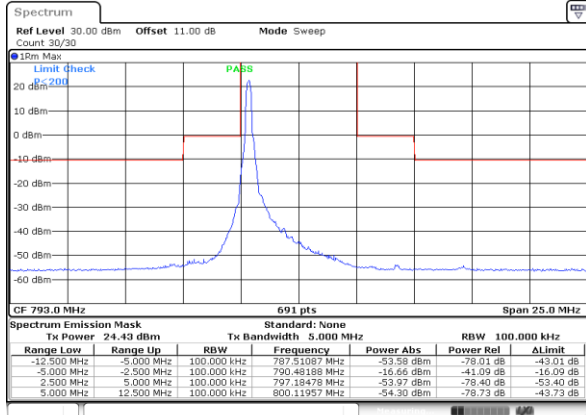


Lowest Channel / Full RB

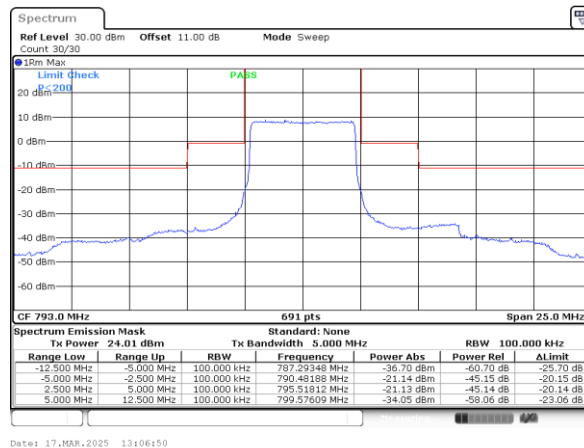


LTE Band 14 / 5MHz / QPSK

Middle Channel / 1RB

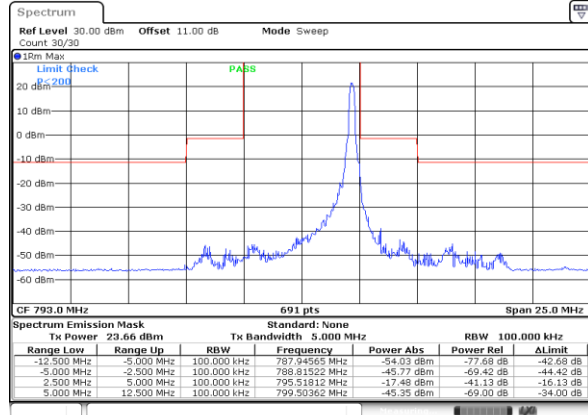
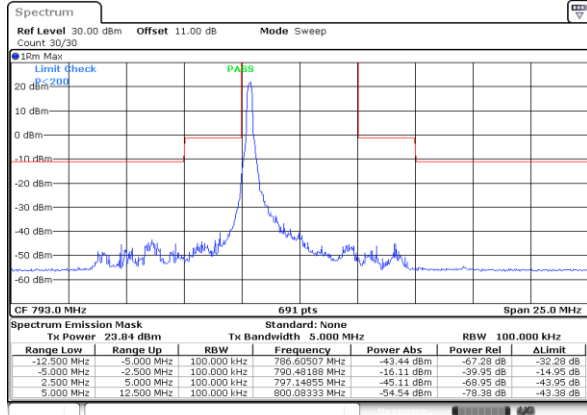


Middle Channel / Full RB

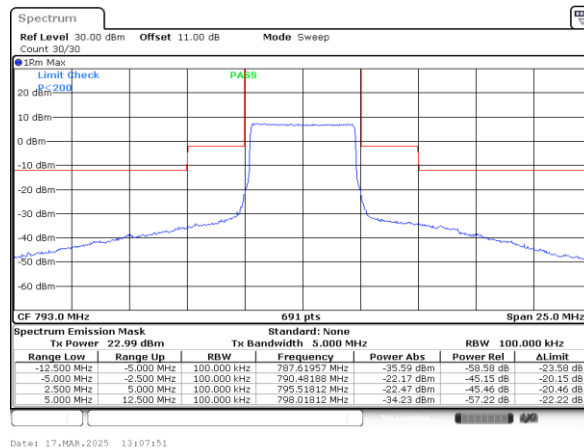


LTE Band 14 / 5MHz / 16QAM

Middle Channel / 1RB

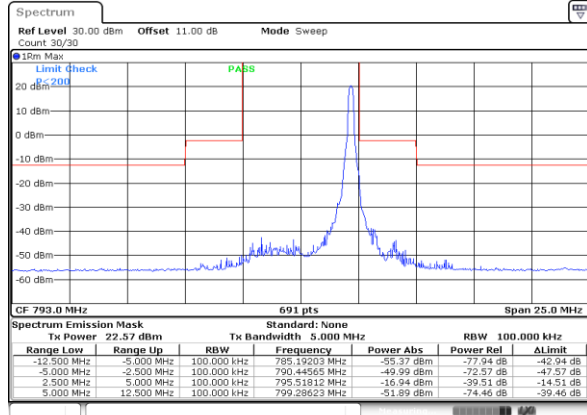
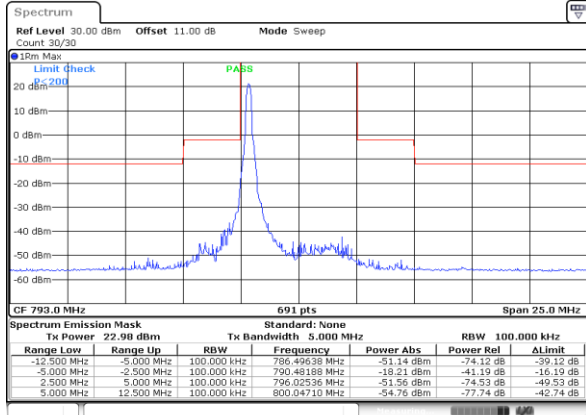


Middle Channel / Full RB

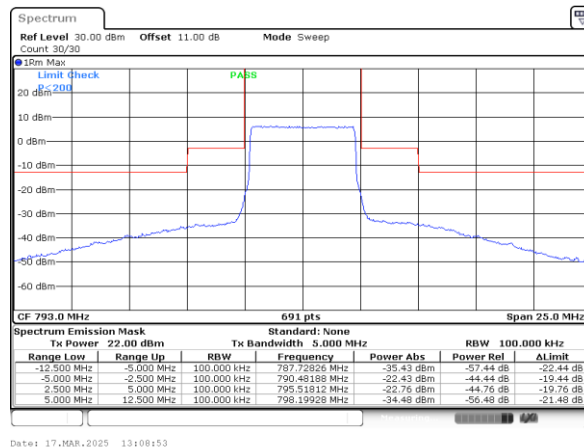


LTE Band 14 / 5MHz / 64QAM

Middle Channel / 1RB



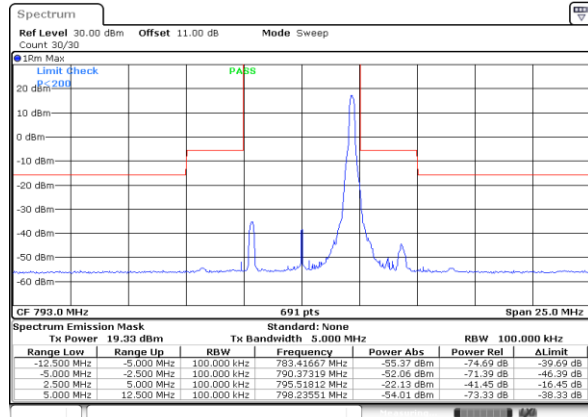
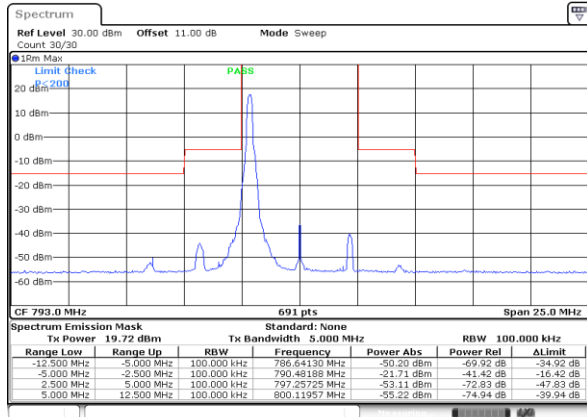
Middle Channel / Full RB



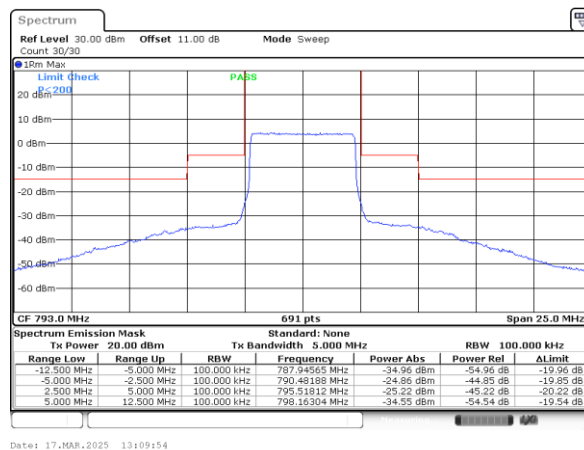


LTE Band 14 / 5MHz / 256QAM

Middle Channel / 1RB

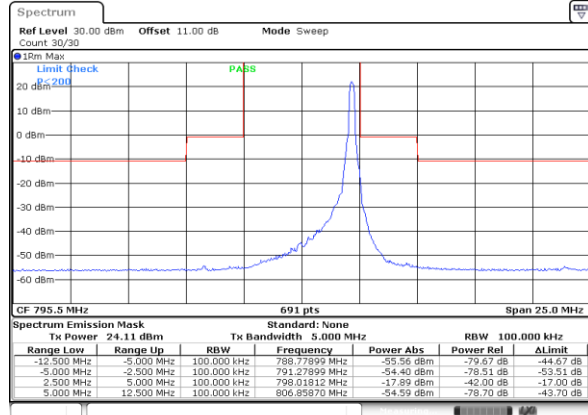
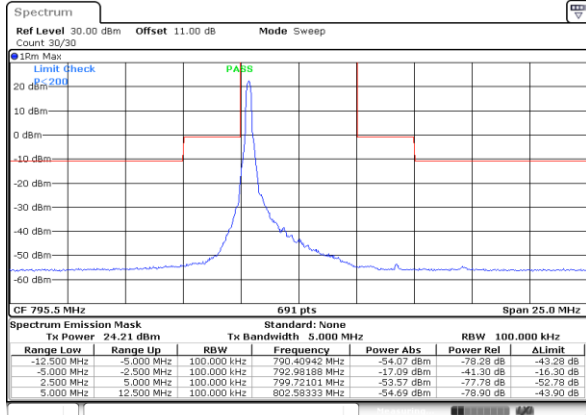


Middle Channel / Full RB

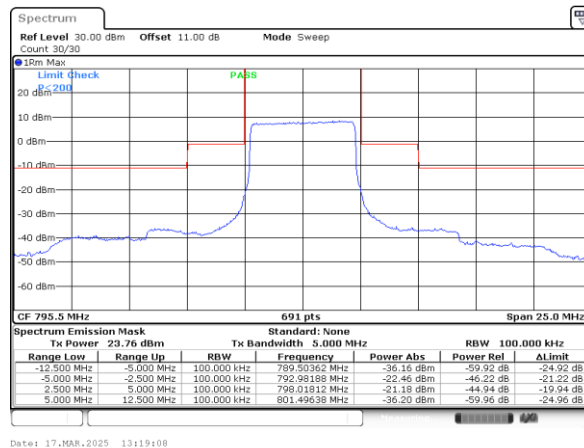


LTE Band 14 / 5MHz / QPSK

Highest Channel / 1RB

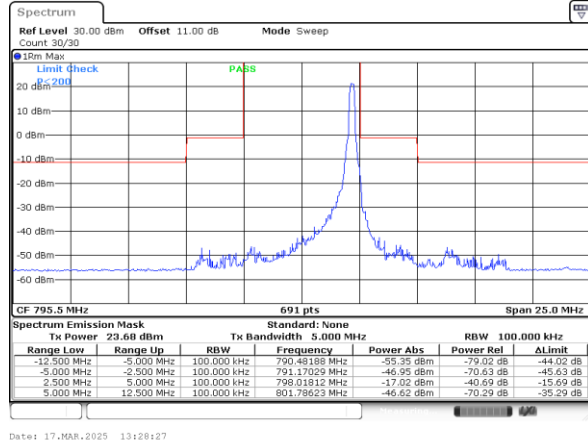
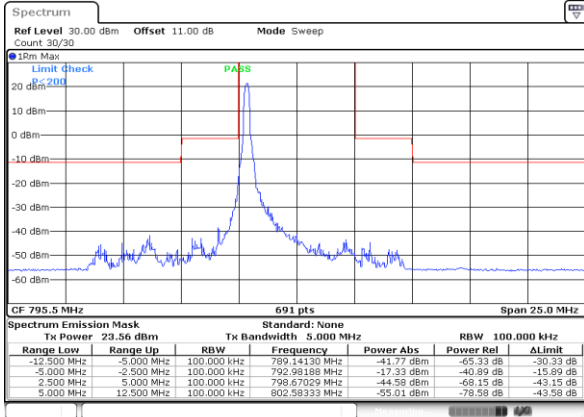


Highest Channel / Full RB

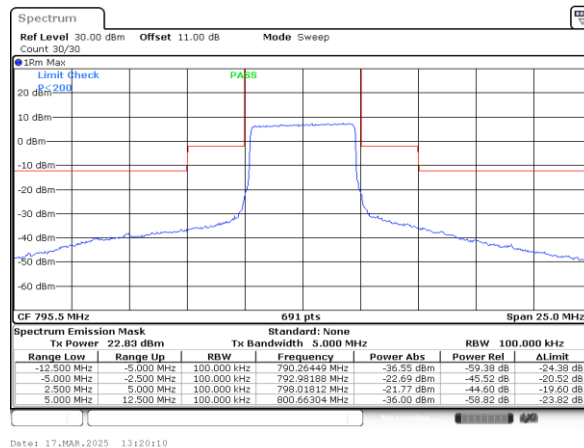


LTE Band 14 / 5MHz / 16QAM

Highest Channel / 1RB



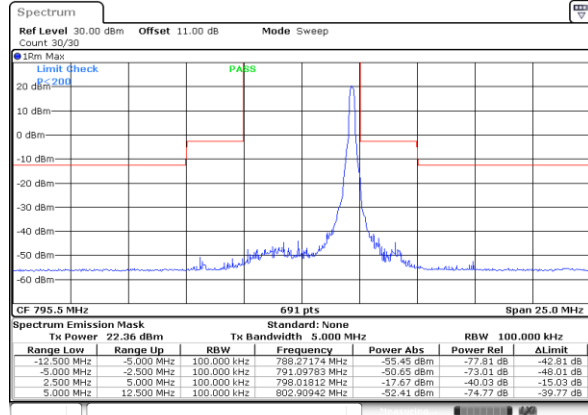
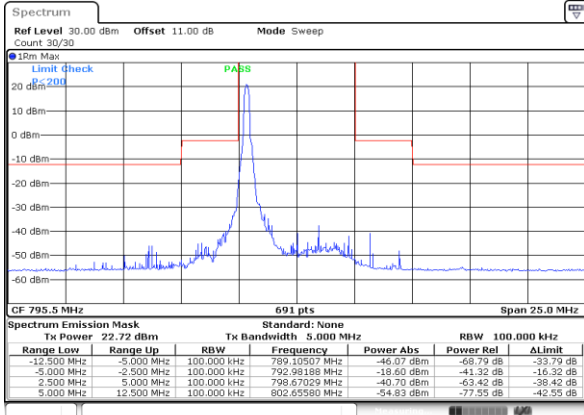
Highest Channel / Full RB



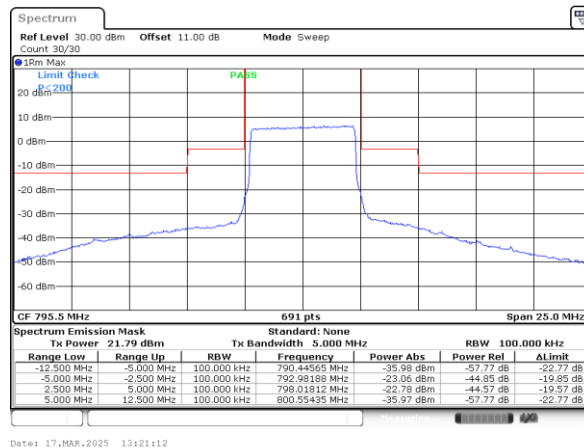


LTE Band 14 / 5MHz / 64QAM

Highest Channel / 1RB



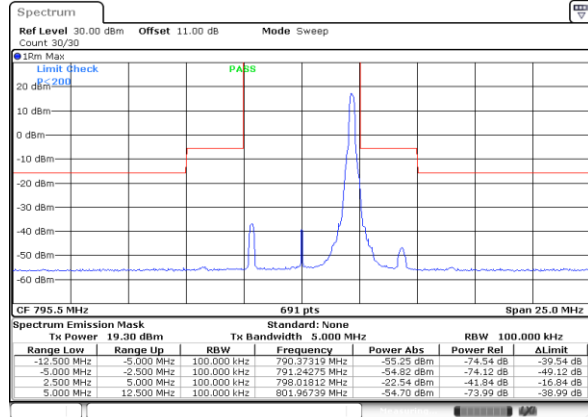
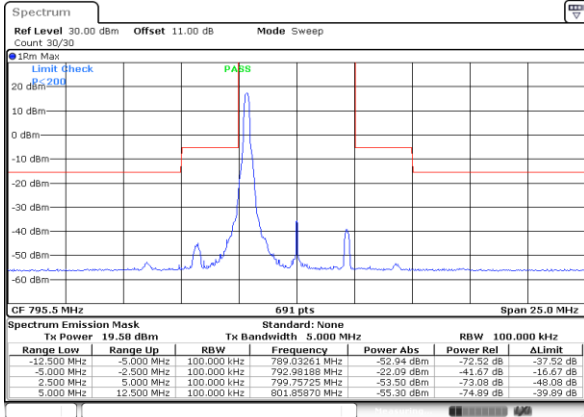
Highest Channel / Full RB



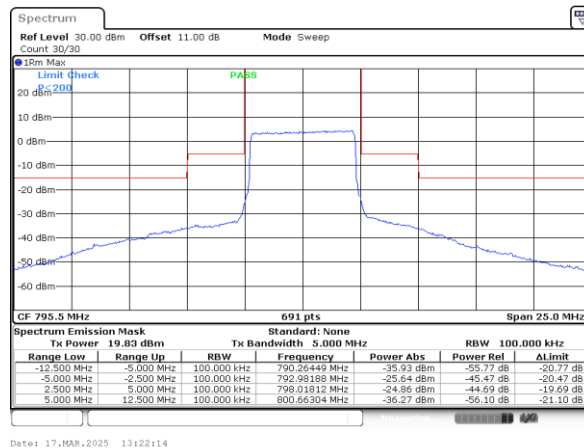


LTE Band 14 / 5MHz / 256QAM

Highest Channel / 1RB



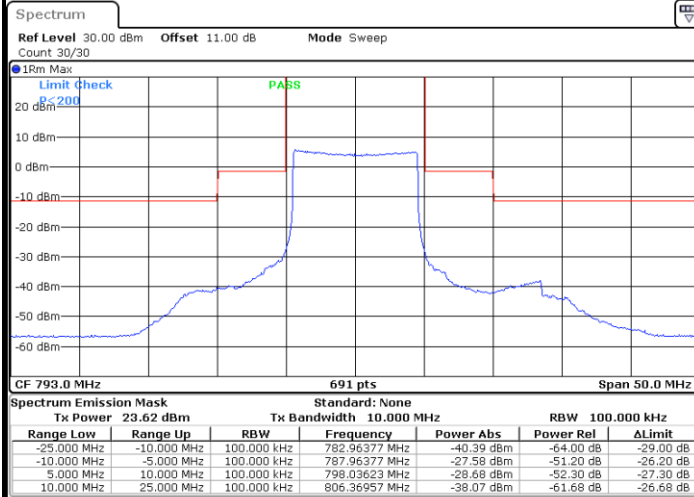
Highest Channel / Full RB





LTE Band 14 / 10MHz / QPSK

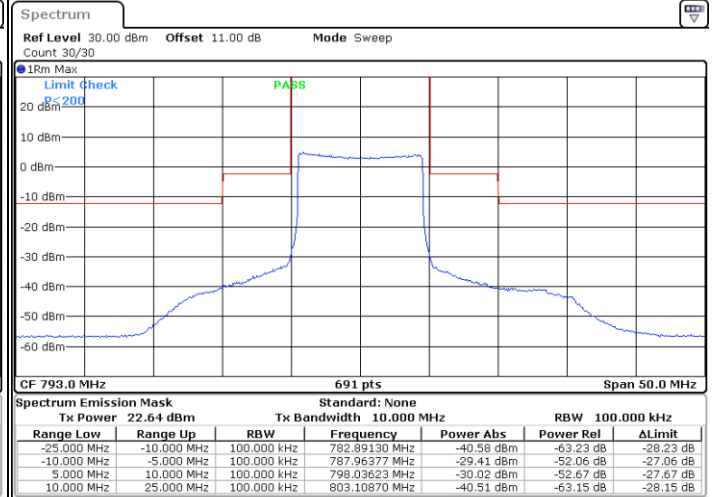
Middle Channel / Full RB



Date: 17.MAR.2025 13:31:34

LTE Band 14 / 10MHz / 16QAM

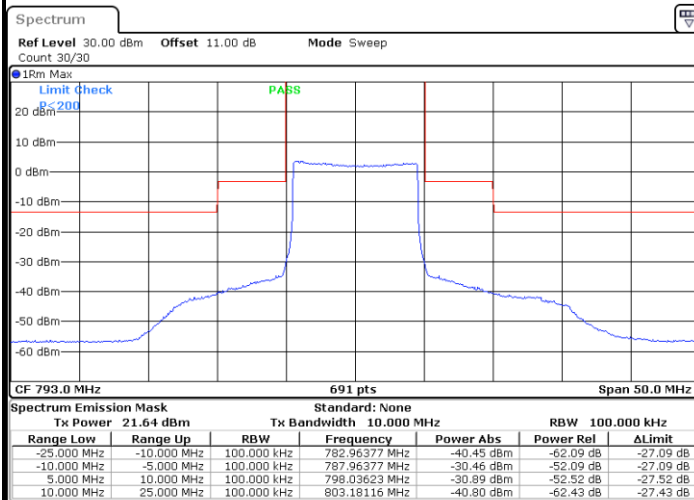
Middle Channel / Full RB



Date: 17.MAR.2025 13:32:36

LTE Band 14 / 10MHz / 64QAM

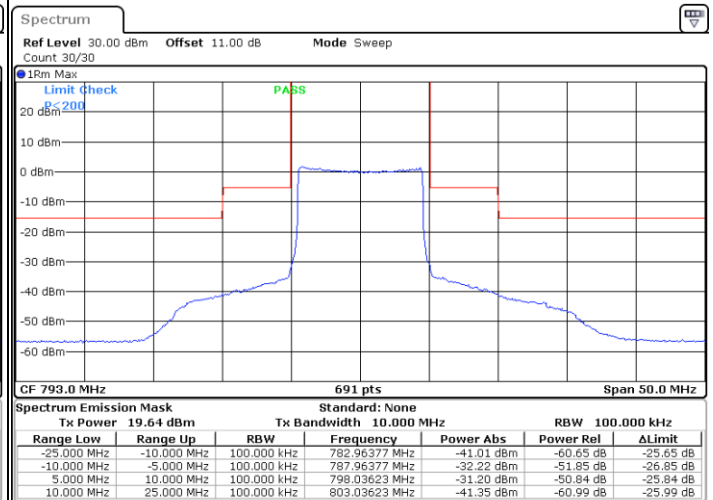
Middle Channel / Full RB



Date: 17.MAR.2025 13:33:37

LTE Band 14 / 10MHz / 256QAM

Middle Channel / Full RB



Date: 17.MAR.2025 13:34:39

Frequency Stability

Test Conditions		LTE Band 14 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0106	PASS
40	Normal Voltage	0.0120	
30	Normal Voltage	0.0093	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0040	
0	Normal Voltage	0.0076	
-10	Normal Voltage	0.0049	
-20	Normal Voltage	0.0125	
-30	Normal Voltage	0.0071	
20	Maximum Voltage	0.0086	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0098	

Note:

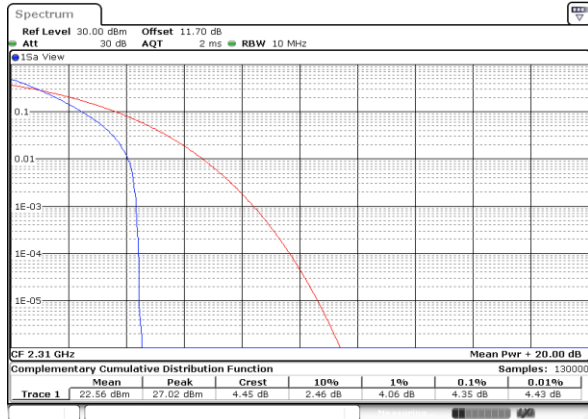
1. Normal Voltage = 3.8 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

**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	4.35	5.51	6.12	6.67	PASS

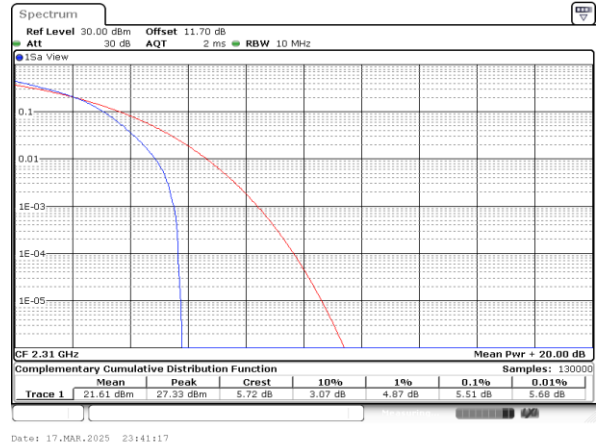
LTE Band 30 / 10MHz / QPSK

Middle Channel / Full RB



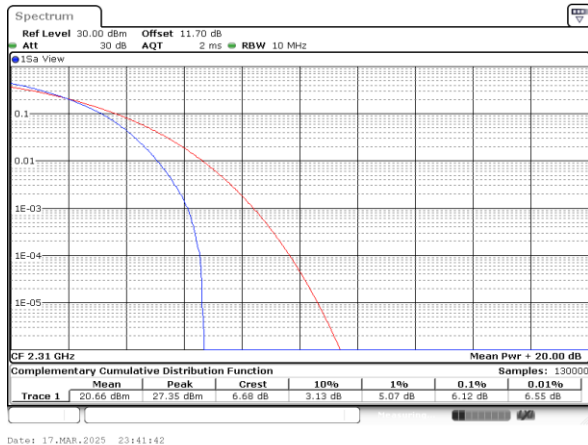
LTE Band 30 / 10MHz / 16QAM

Middle Channel / Full RB



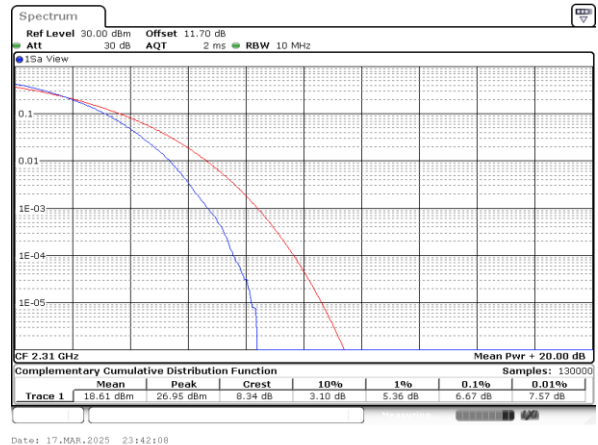
LTE Band 30 / 10MHz / 64QAM

Middle Channel / Full RB



LTE Band 30 / 10MHz / 256QAM

Middle Channel / Full RB



**EIRP Power Density**

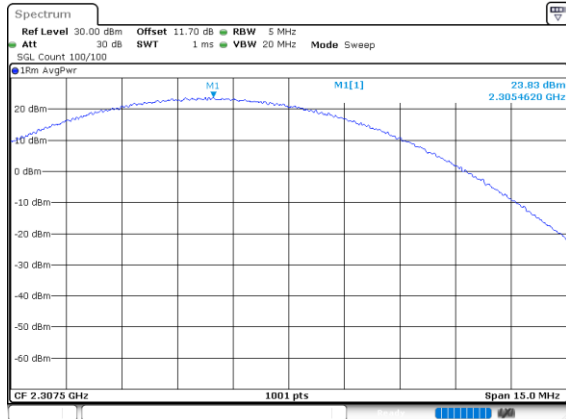
Mode	LTE Band 30 : Conducted Power Density (dBm/5MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	23.83	23.11	-	-	-	-	-	-
Middle CH	-	-	-	-	23.71	22.84	23.44	22.67	-	-	-	-
Highest CH	-	-	-	-	23.66	23.03	-	-	-	-	-	-
Mode	LTE Band 30 : Conducted Power Density (dBm/5MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	-	-	-	-	22.8	18.77	-	-	-	-	-	-
Middle CH	-	-	-	-	21.79	18.9	21.93	18.79	-	-	-	-
Highest CH	-	-	-	-	22.08	19.02	-	-	-	-	-	-

Mode	LTE Band 30 : EIRP Power Density (dBm/5MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	32.33	31.61	-	-	-	-	-	-
Middle CH	-	-	-	-	32.21	31.34	31.94	31.17	-	-	-	-
Highest CH	-	-	-	-	32.16	31.53	-	-	-	-	-	-
Mode	LTE Band 30 : EIRP Power Density (dBm/5MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	-	-	-	-	31.30	27.27	-	-	-	-	-	-
Middle CH	-	-	-	-	30.29	27.40	30.43	27.29	-	-	-	-
Highest CH	-	-	-	-	30.58	27.52	-	-	-	-	-	-
Antenna Gain	8.5 dBi											
Limit	2W / 5MHz = 33dBm / 5MHz											
Result	Pass											

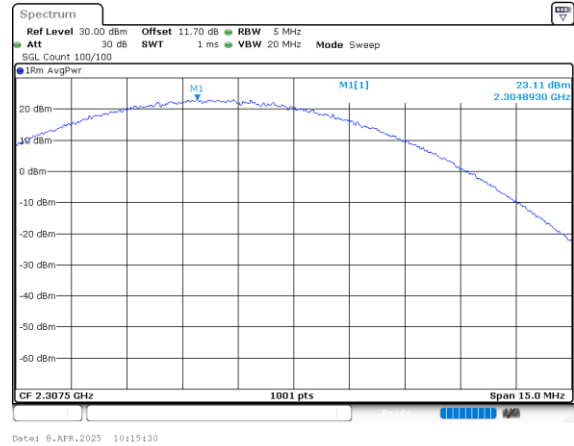


LTE Band 30 / 5MHz

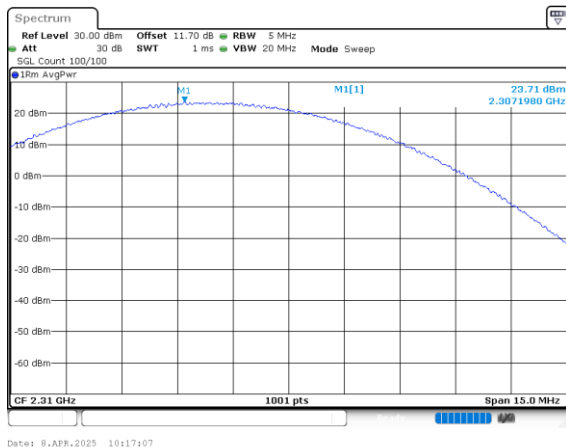
Lowest Channel / 5MHz / 1RB0 / QPSK



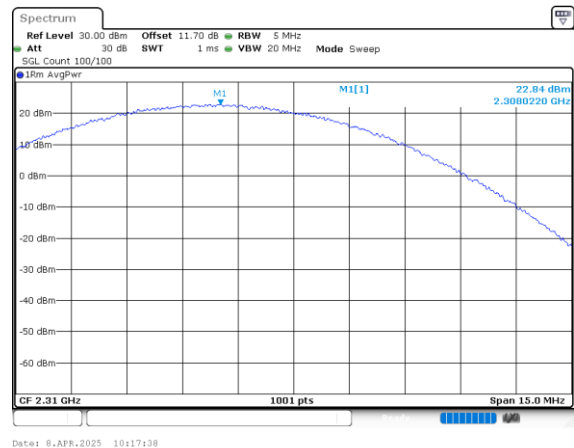
Lowest Channel / 5MHz / 1RB0 / 16QAM



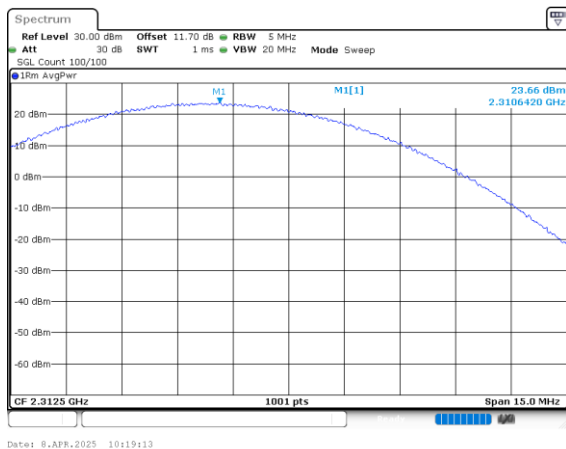
Middle Channel / 5MHz / 1RB0 / QPSK



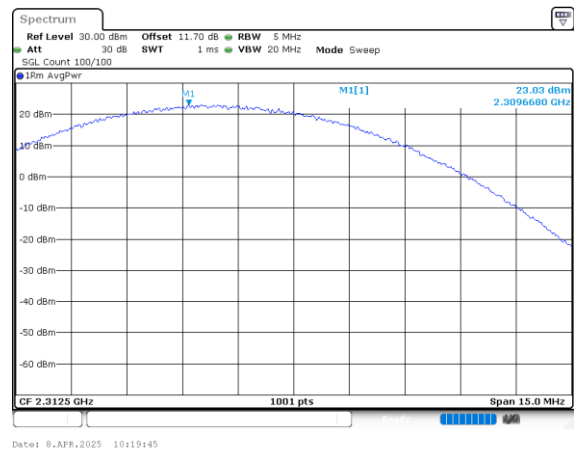
Middle Channel / 5MHz / 1RB0 / 16QAM



Highest Channel / 5MHz / 1RB0 / QPSK



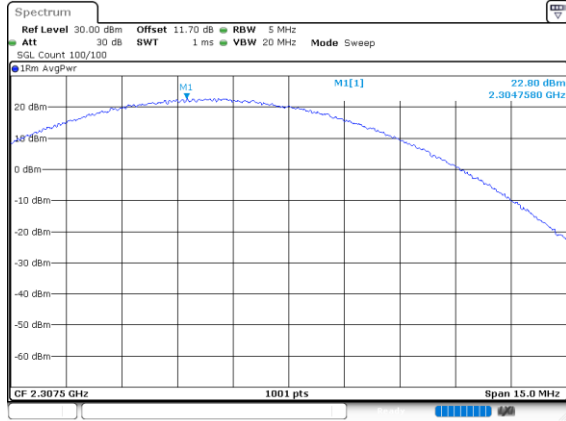
Highest Channel / 5MHz / 1RB0 / 16QAM





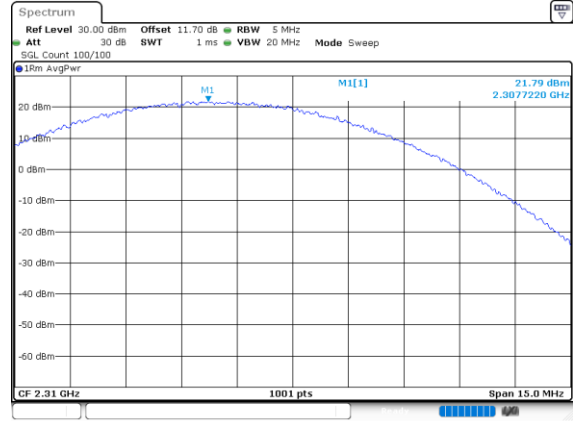
LTE Band 30 / 5MHz

Lowest Channel / 5MHz / 1RB0 / 64QAM



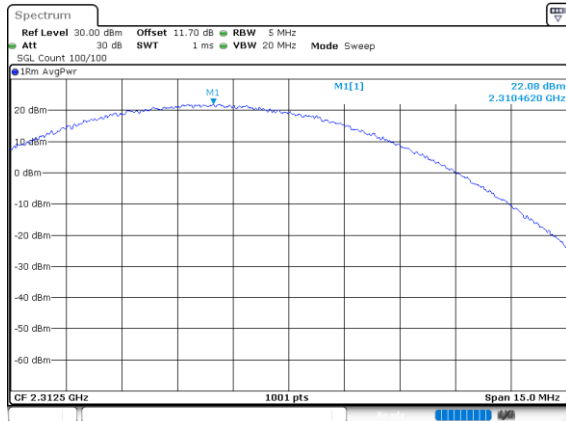
Date: 8.APR.2025 10:16:02

Middle Channel / 5MHz / 1RB0 / 64QAM



Date: 8.APR.2025 10:18:10

Highest Channel / 5MHz / 1RB0 / 64QAM

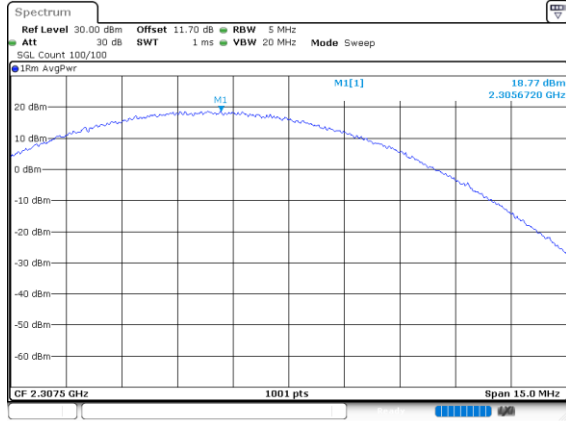


Date: 8.APR.2025 10:20:17

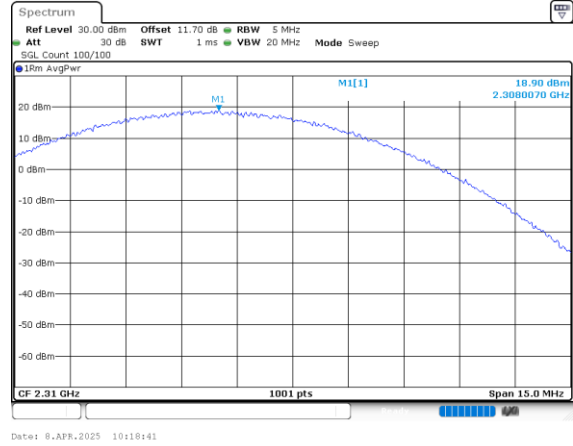


LTE Band 30 / 5MHz

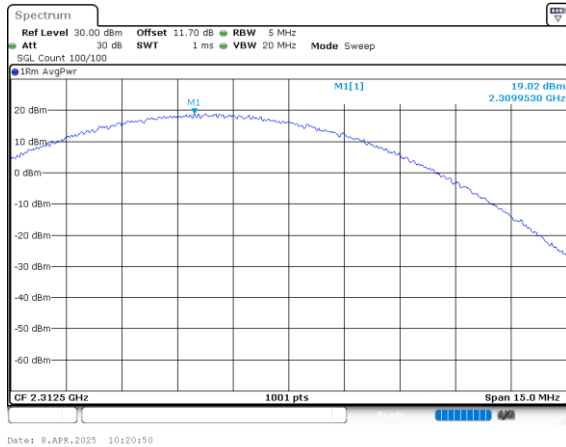
Lowest Channel / 5MHz / 1RB0 / 256QAM



Middle Channel / 5MHz / 1RB0 / 256QAM



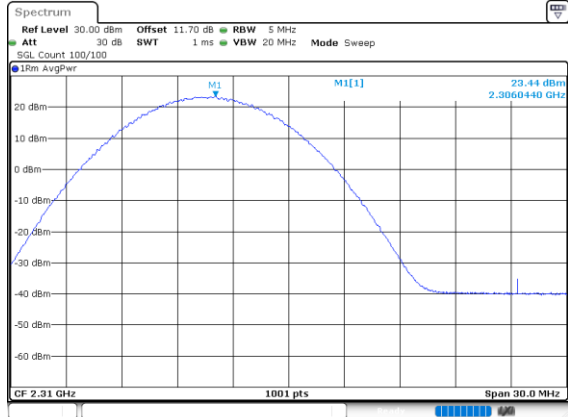
Highest Channel / 5MHz / 1RB0 / 256QAM



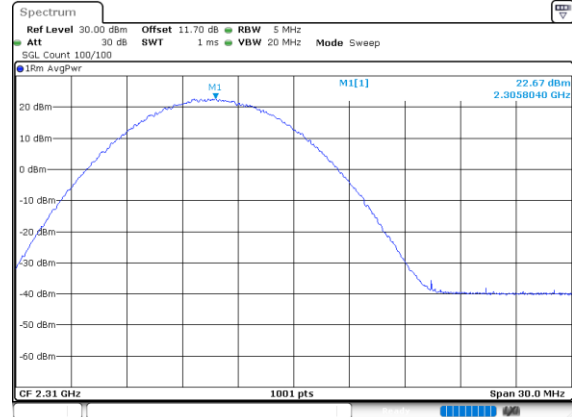


LTE Band 30 / 10MHz

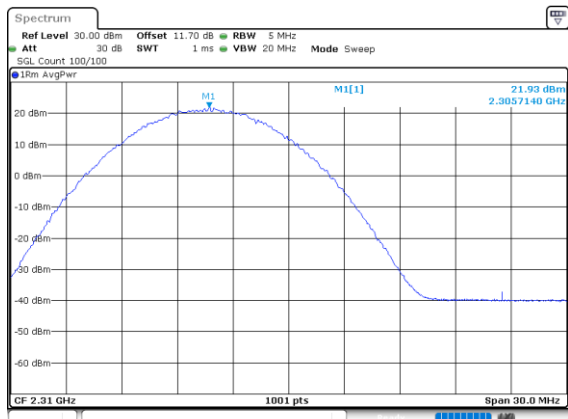
Lowest Channel / 10MHz / 1RB0 / QPSK



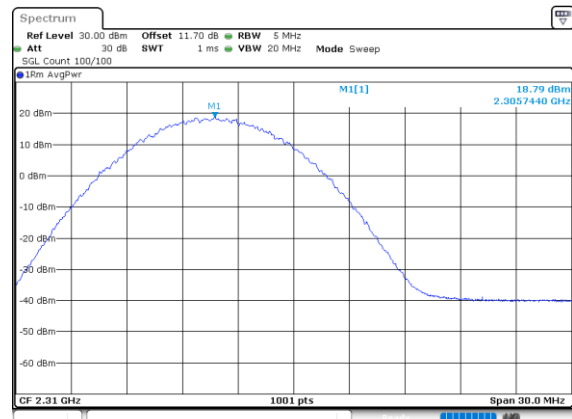
Lowest Channel / 10MHz / 1RB0 / 16QAM



Lowest Channel / 10MHz / 1RB0 / 64QAM



Lowest Channel / 10MHz / 1RB0 / 256QAM



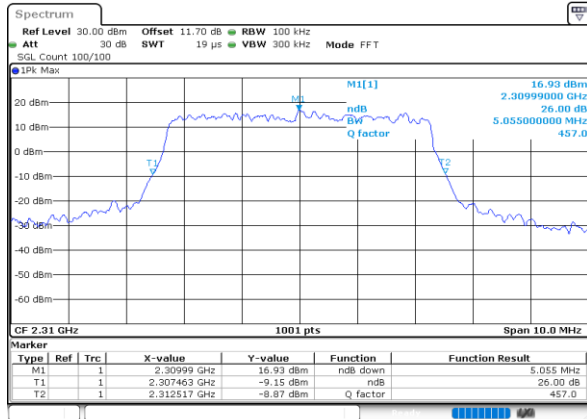
**26dB Bandwidth**

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	-	-	-	-	5.05	5.05	10.26	10.33	-	-	-	-
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	-	-	-	-	5.07	5.09	10.02	10.10	-	-	-	-

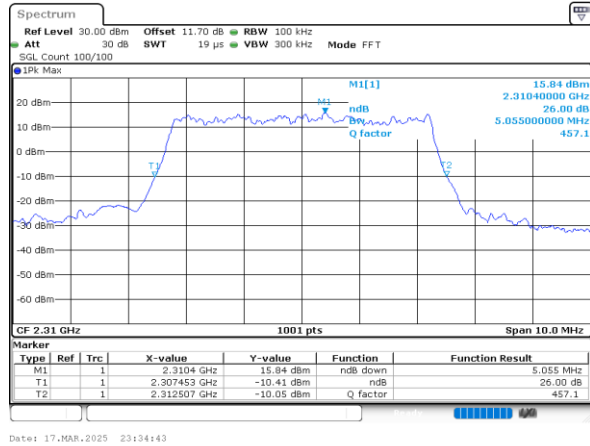


LTE Band 30

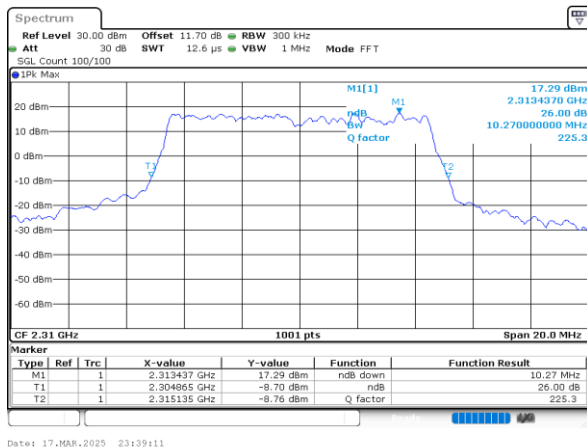
Middle Channel / 5MHz / QPSK



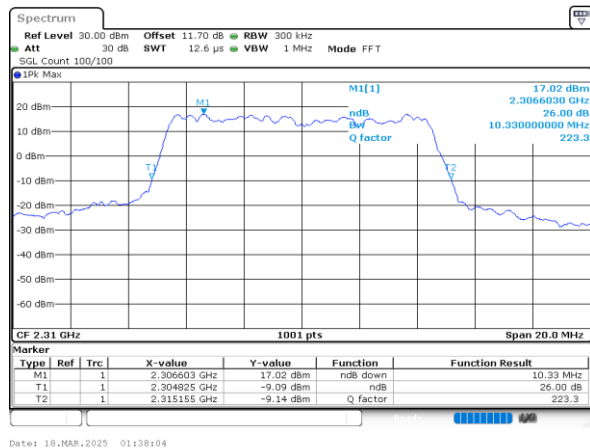
Middle Channel / 5MHz / 16QAM



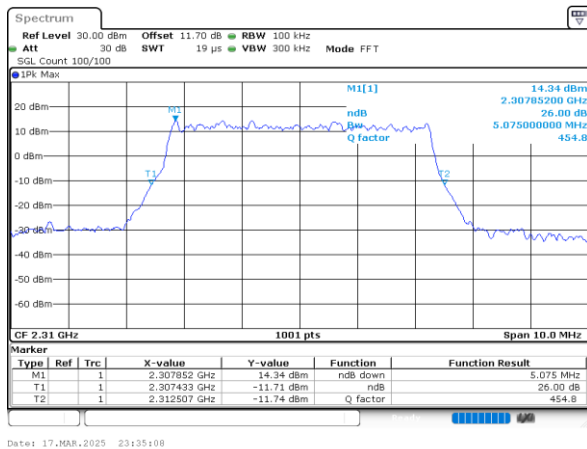
Middle Channel / 10MHz / QPSK



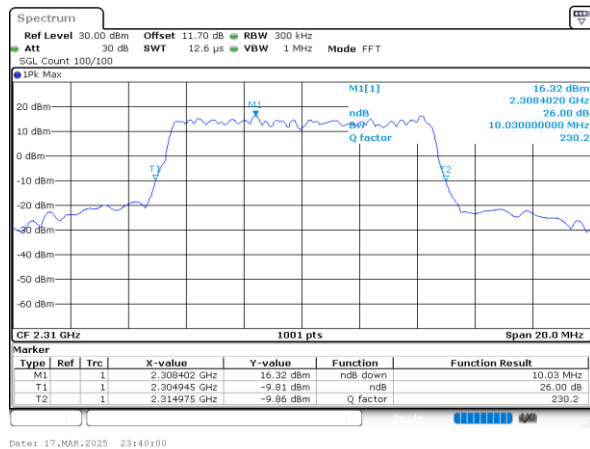
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



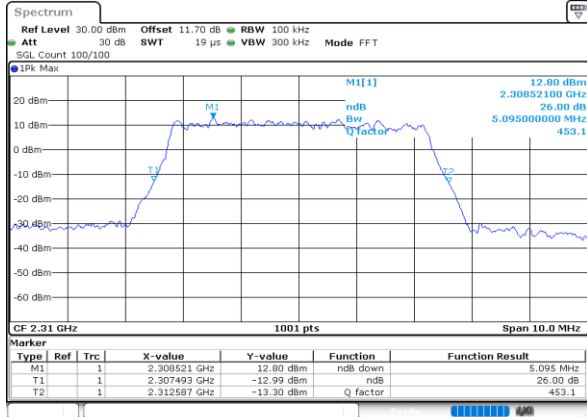
Middle Channel / 10MHz / 64QAM





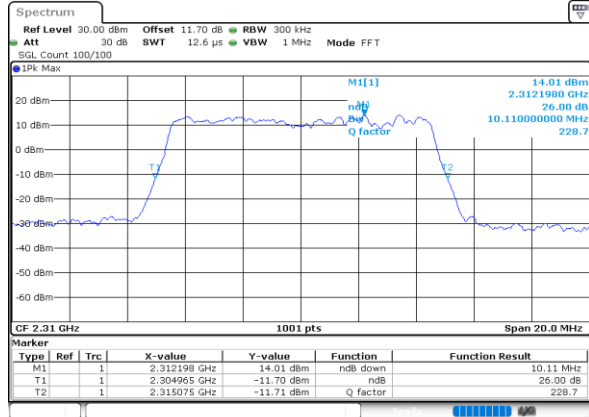
LTE Band 30

Middle Channel / 5MHz / 256QAM



Date: 17.MAR.2025 23:35:32

Middle Channel / 10MHz / 256QAM



Date: 17.MAR.2025 23:40:25

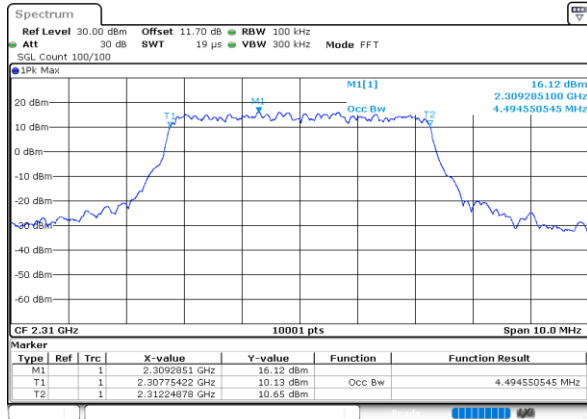
**Occupied Bandwidth**

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	-	-	-	-	4.49	4.48	8.97	9.12	-	-	-	-
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	-	-	-	-	4.47	4.49	9.06	9.07	-	-	-	-

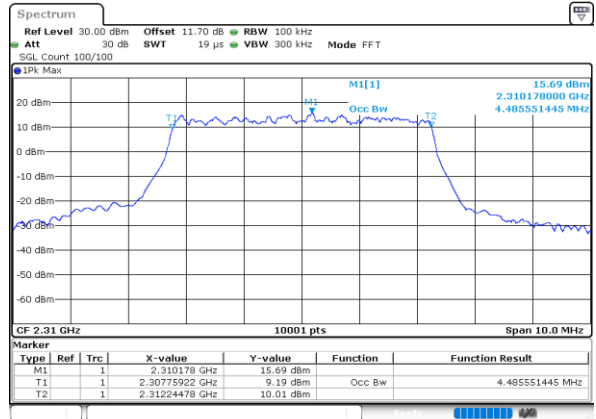


LTE Band 30

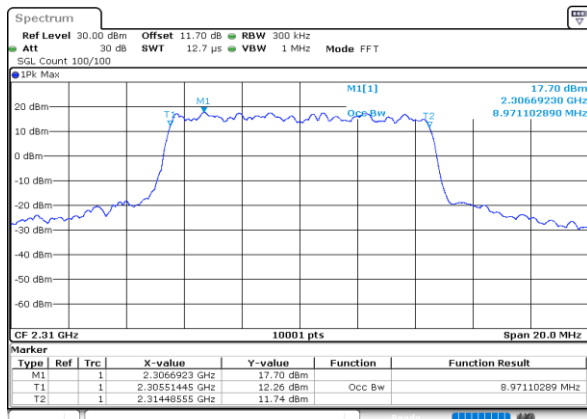
Middle Channel / 5MHz / QPSK



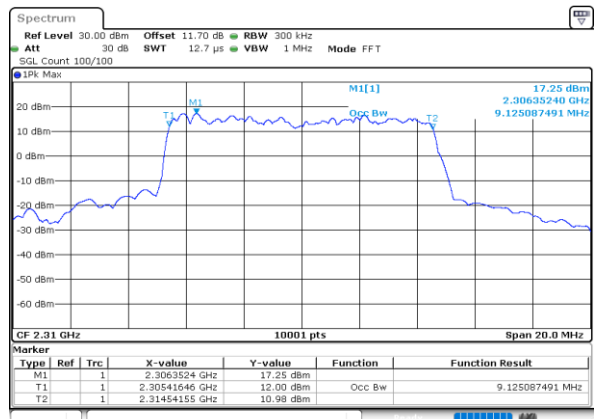
Middle Channel / 5MHz / 16QAM



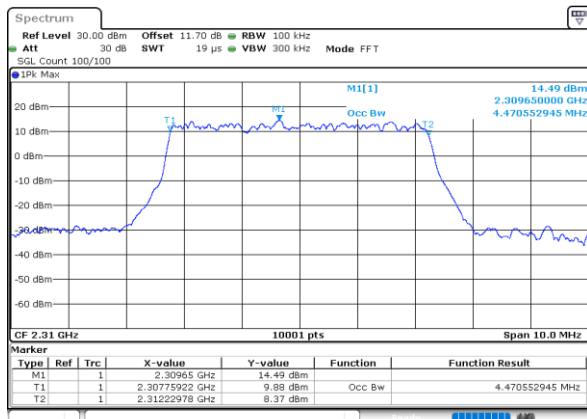
Middle Channel / 10MHz / QPSK



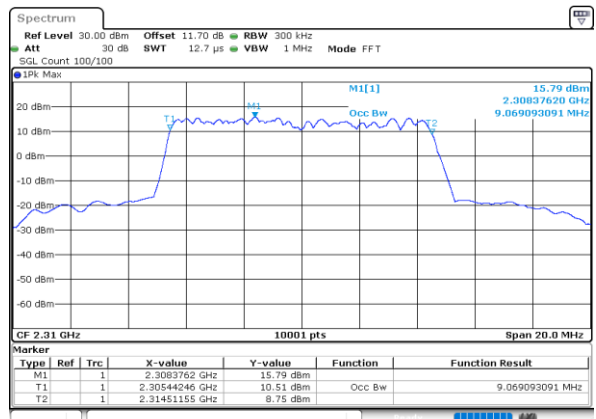
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



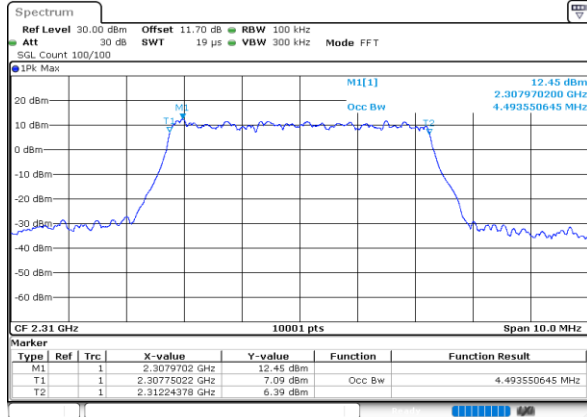
Middle Channel / 10MHz / 64QAM



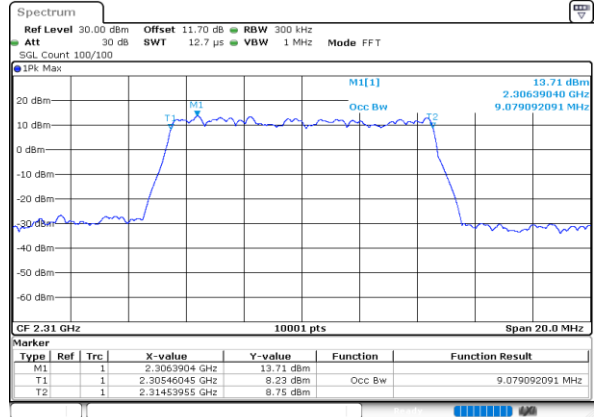


LTE Band 30

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM

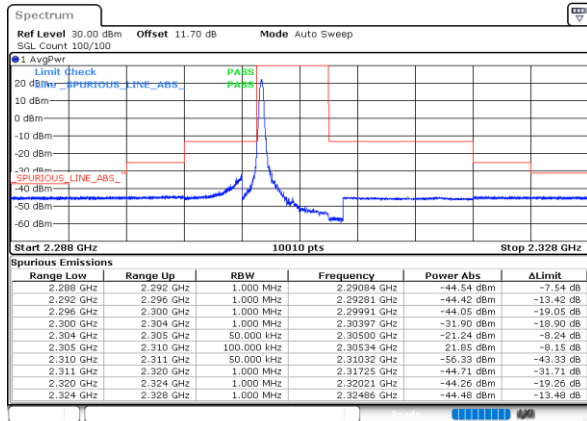




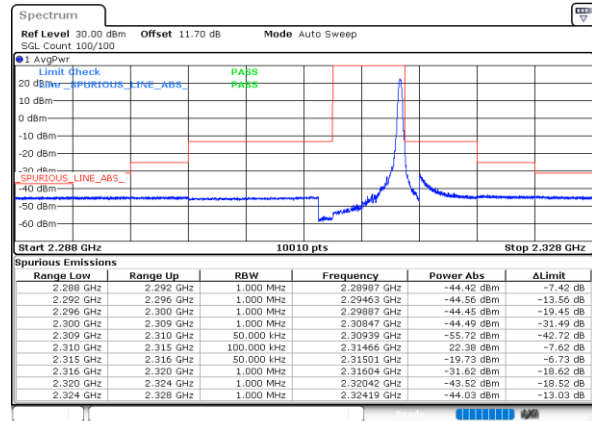
Conducted Band Edge

LTE Band 30 / 5MHz / QPSK

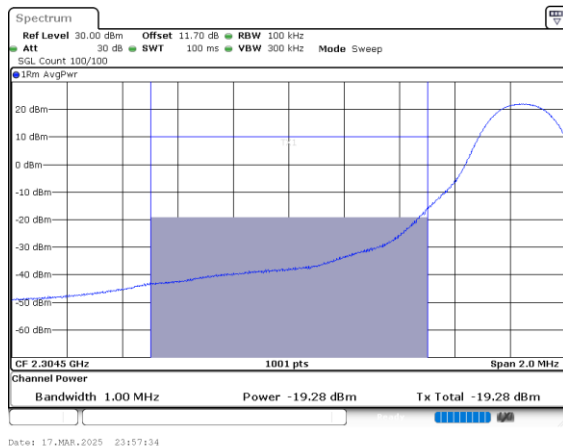
Lowest Band Edge / 1 RB



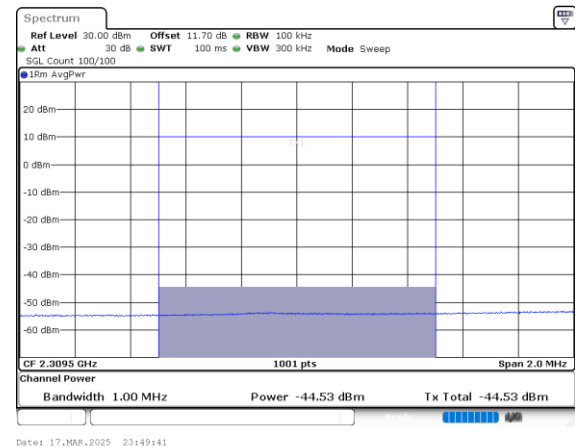
Highest Band Edge / 1 RB



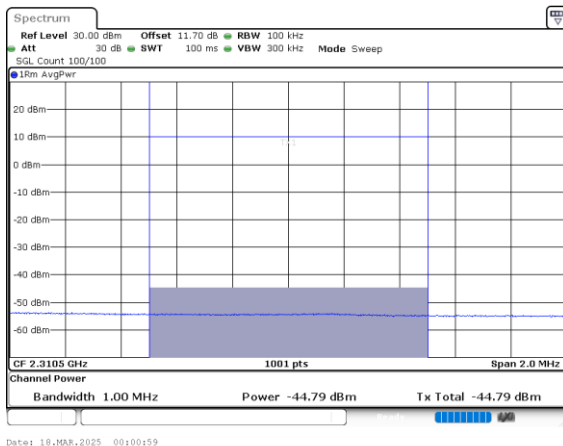
Lowest Band Edge / 1 RB / Lower zoom in



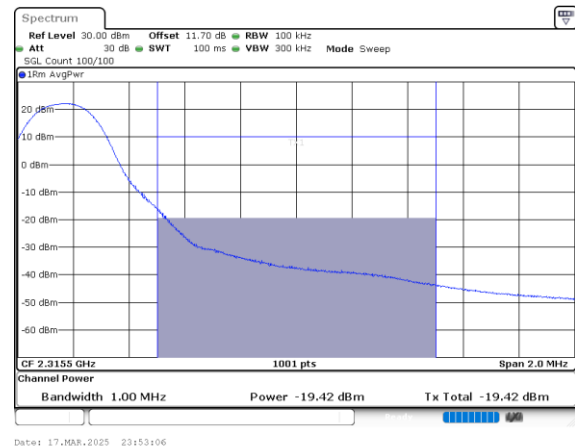
Highest Band Edge / 1 RB / Lower zoom in



Lowest Band Edge / 1 RB / Upper zoom in



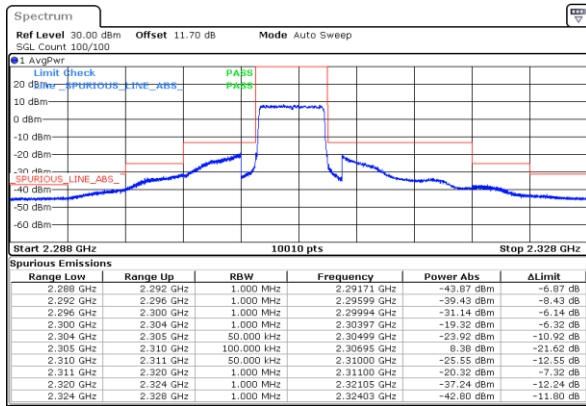
Highest Band Edge / 1 RB / Upper zoom in



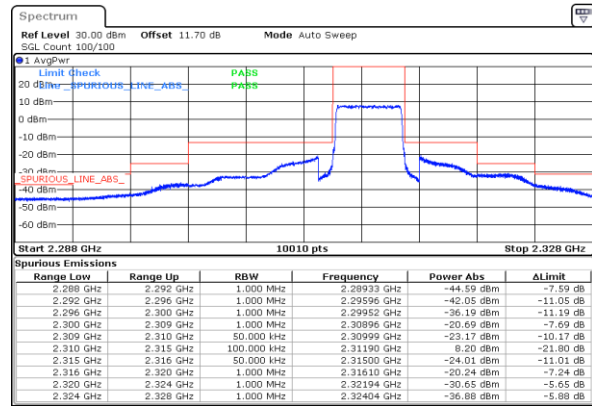


LTE Band 30 / 5MHz / QPSK

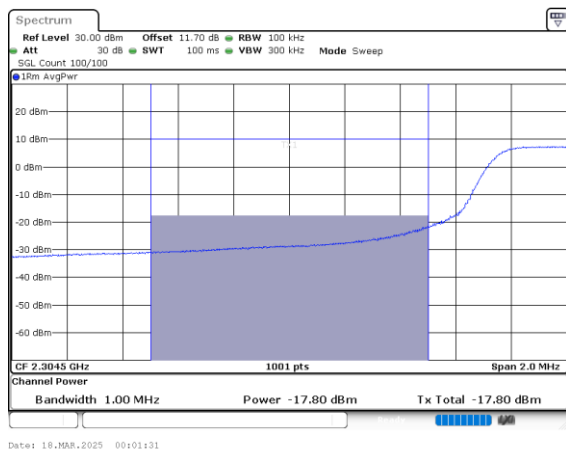
Lowest Band Edge / Full RB



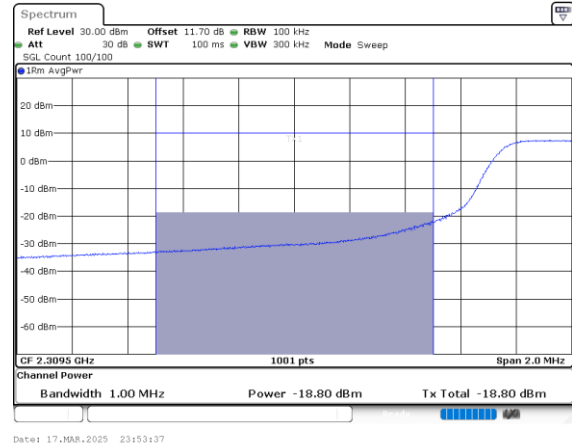
Highest Band Edge / Full RB



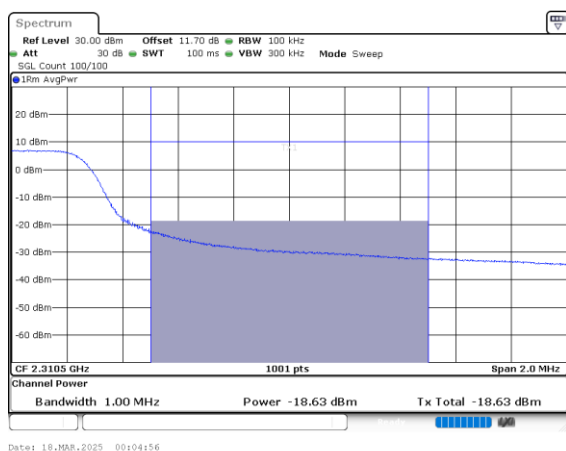
Lowest Band Edge / Full RB / Lower zoom in



Highest Band Edge / Full RB / Lower zoom in



Lowest Band Edge / Full RB / Upper zoom in

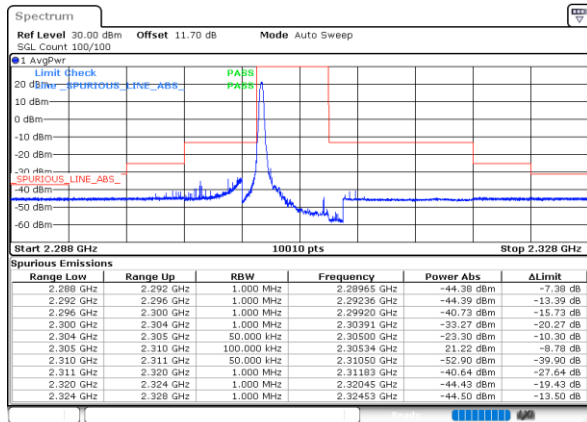


Highest Band Edge / Full RB / Upper zoom in

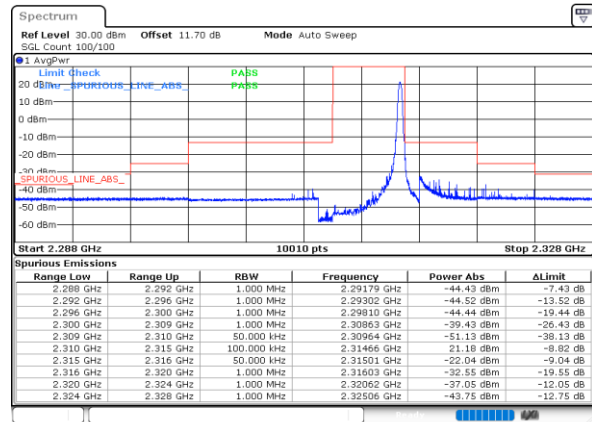


LTE Band 30 / 5MHz / 16QAM

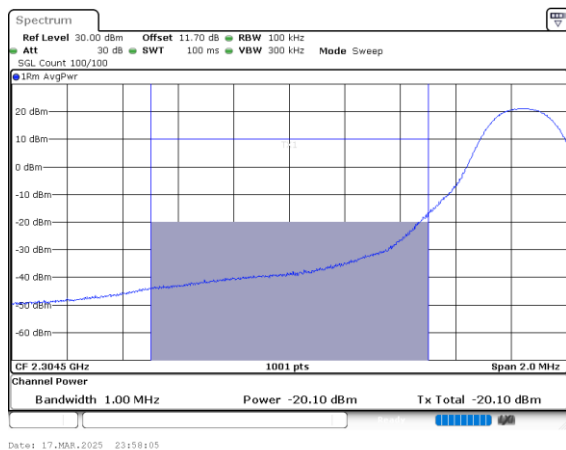
Lowest Band Edge / 1 RB



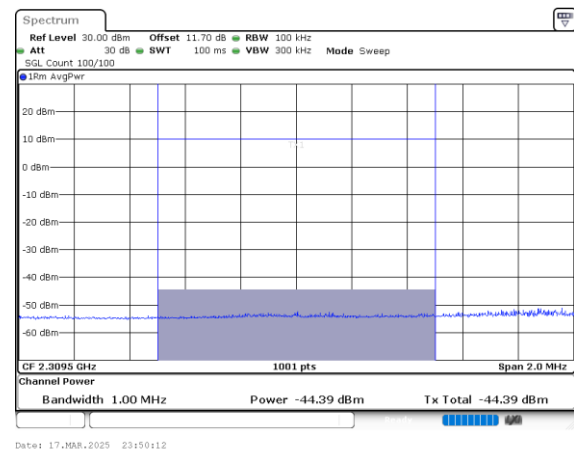
Highest Band Edge / 1 RB



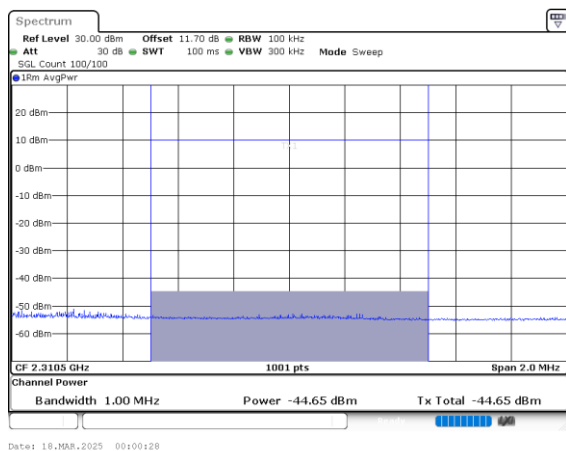
Lowest Band Edge / 1 RB / Lower zoom in



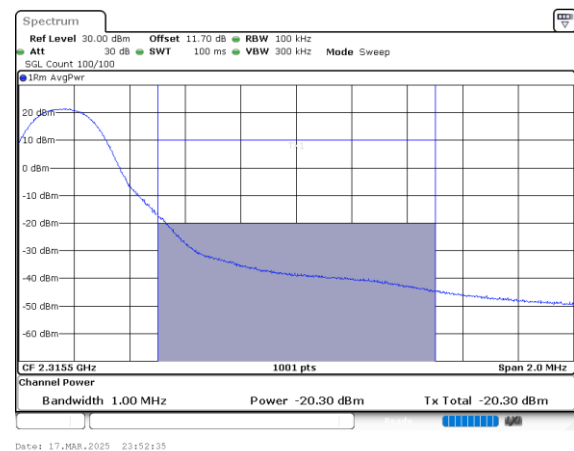
Highest Band Edge / 1 RB / Lower zoom in



Lowest Band Edge / 1 RB / Upper zoom in



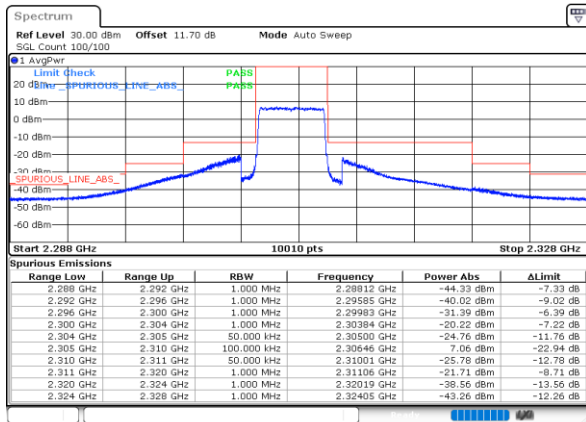
Highest Band Edge / 1 RB / Upper zoom in



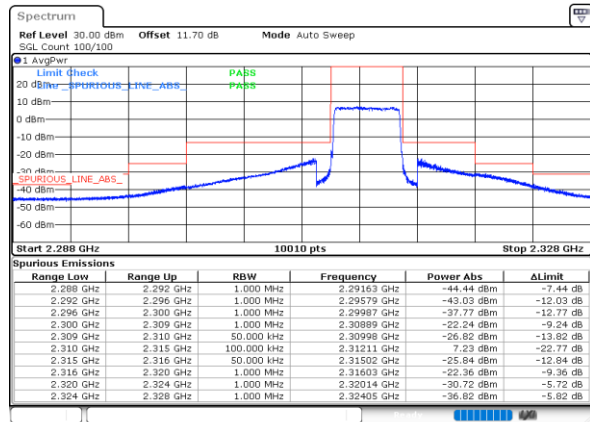


LTE Band 30 / 5MHz / 16QAM

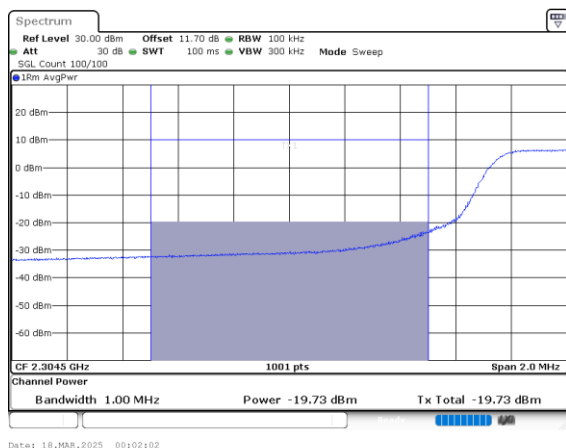
Lowest Band Edge / Full RB



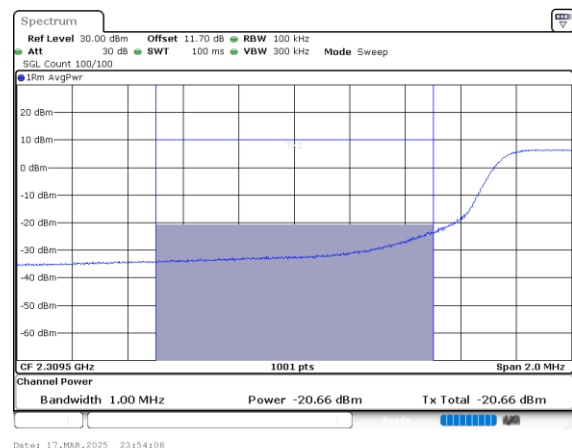
Highest Band Edge / Full RB



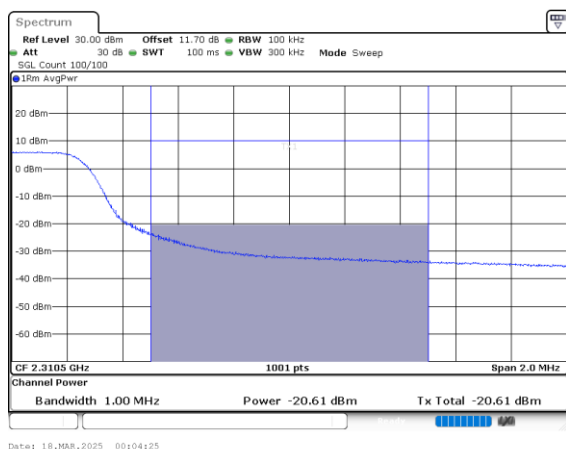
Lowest Band Edge / Full RB / Lower zoom in



Highest Band Edge / Full RB / Lower zoom in



Lowest Band Edge / Full RB / Upper zoom in



Highest Band Edge / Full RB / Upper zoom in

