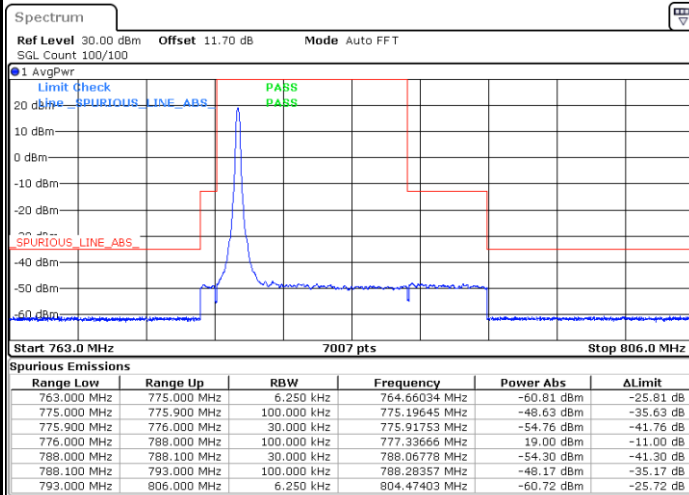




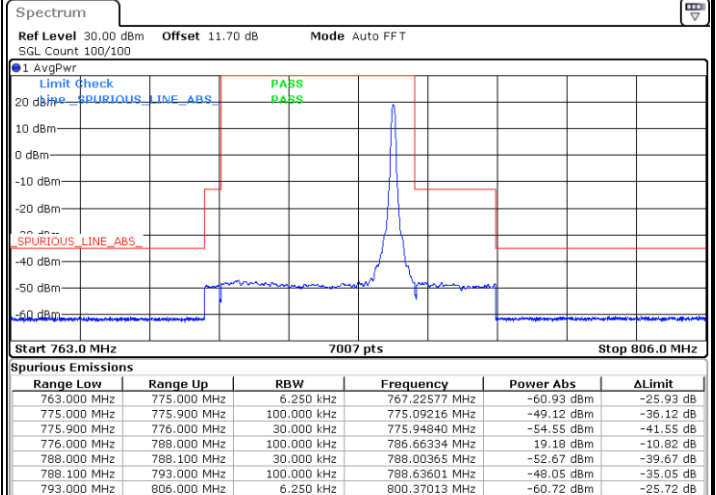
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



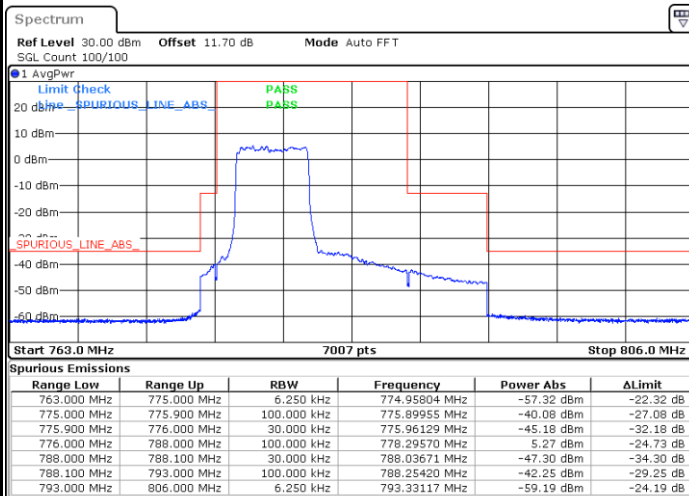
Date: 20.JUN.2025 06:02:14

Highest Band Edge / 1 RB



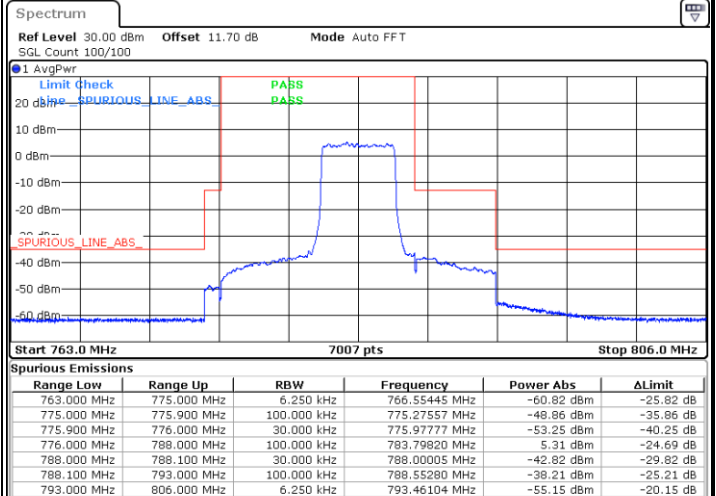
Date: 20.JUN.2025 06:14:05

Lowest Band Edge / Full RB



Date: 20.JUN.2025 05:56:19

Highest Band Edge / Full RB

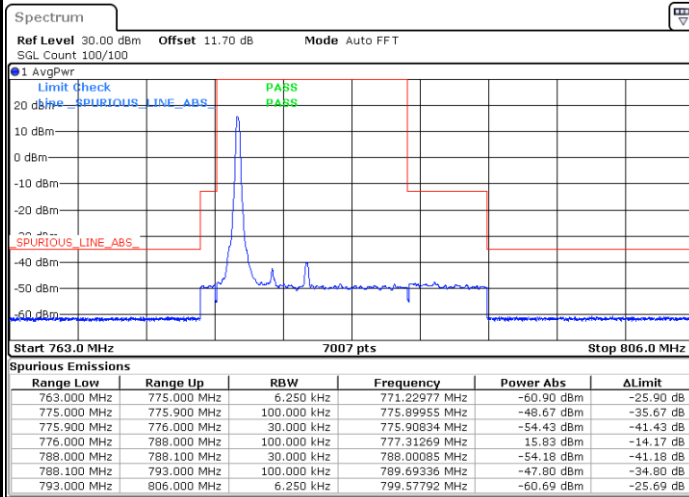


Date: 20.JUN.2025 06:08:10

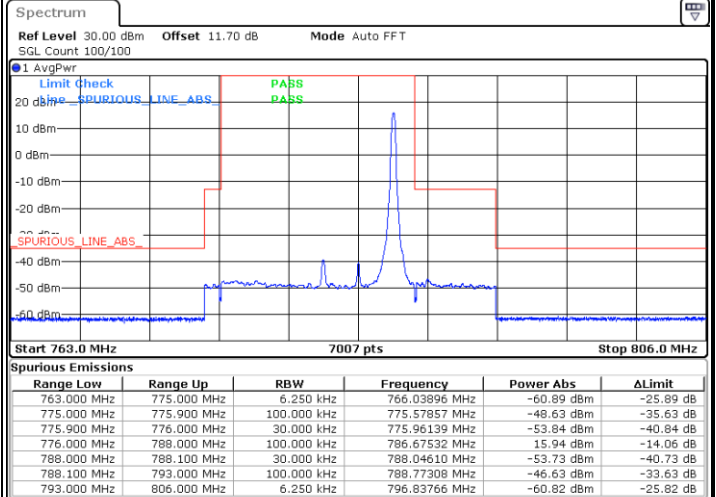


LTE Band 13 / 5MHz / 256QAM

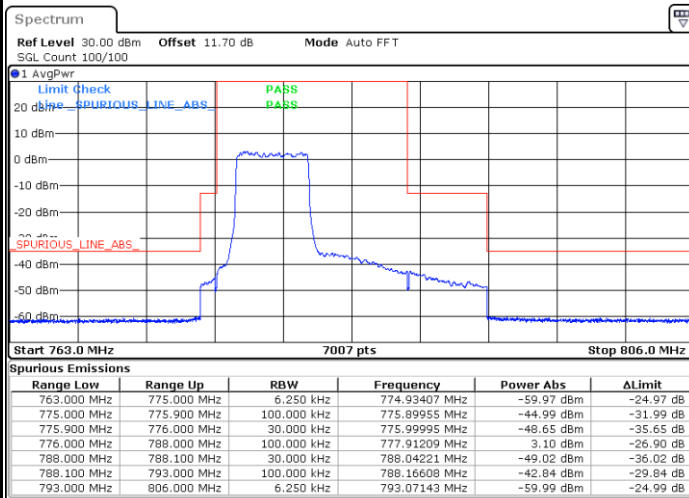
Lowest Band Edge / 1 RB



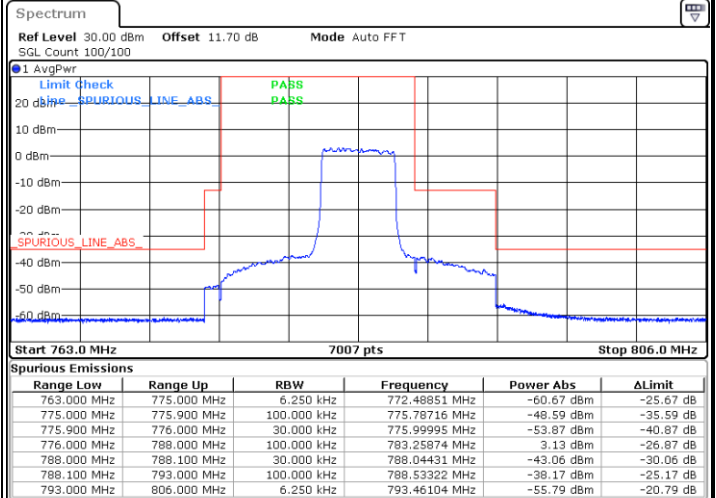
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



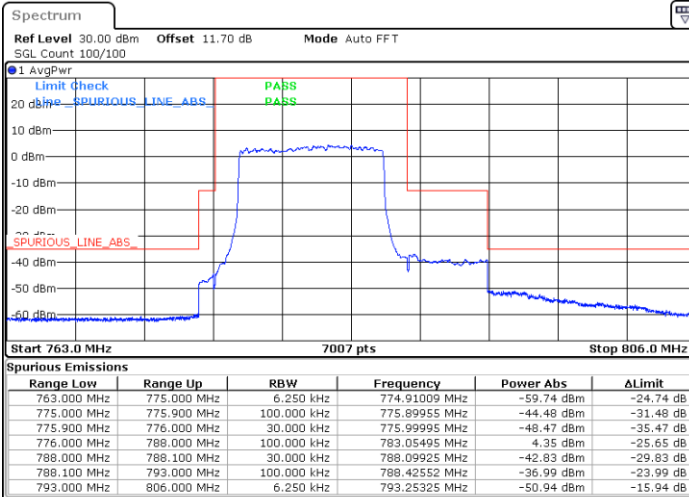
Highest Band Edge / Full RB





LTE Band 13 / 10MHz / QPSK

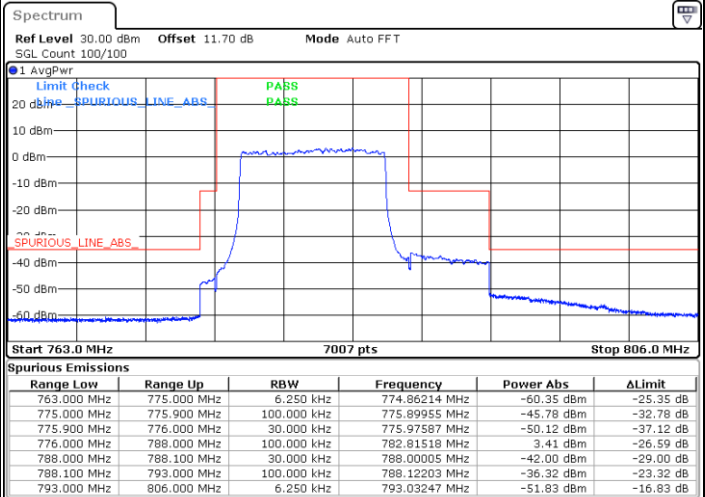
Band Edge / Full RB



Date: 20.JUN.2025 06:17:06

LTE Band 13 / 10MHz / 16QAM

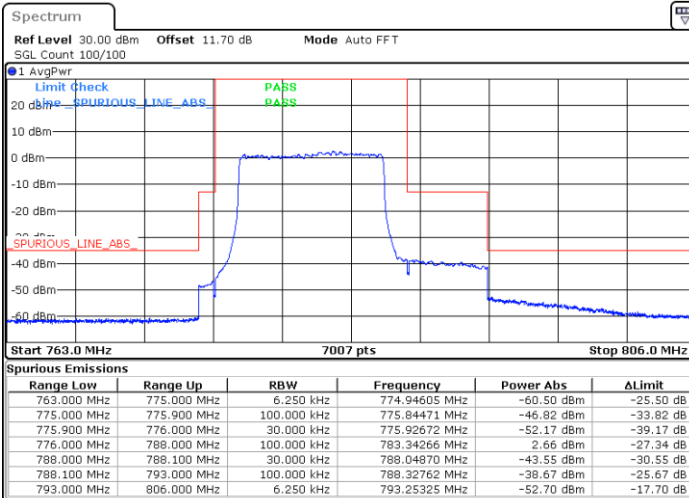
Band Edge / Full RB



Date: 20.JUN.2025 06:18:33

LTE Band 13 / 10MHz / 64QAM

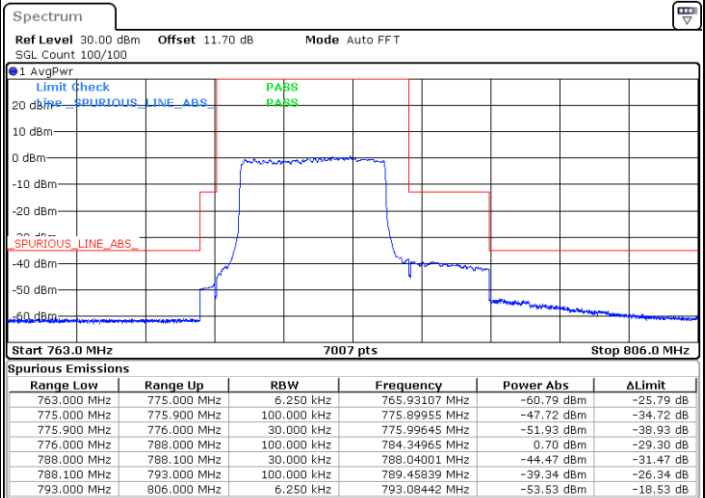
Band Edge / Full RB



Date: 20.JUN.2025 06:20:01

LTE Band 13 / 10MHz / 256QAM

Band Edge / Full RB



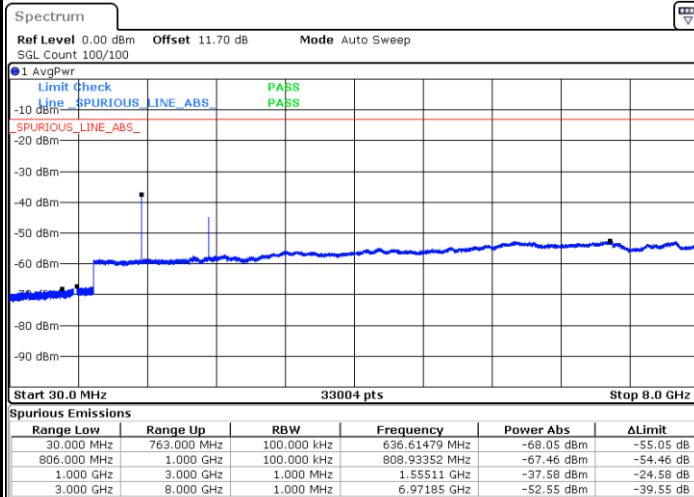
Date: 20.JUN.2025 06:21:29



Conducted Spurious Emission

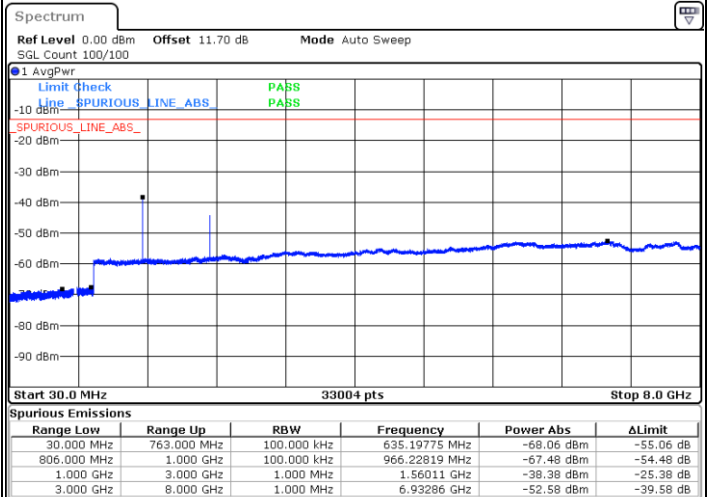
LTE Band 13 / 5MHz

Lowest Channel / QPSK



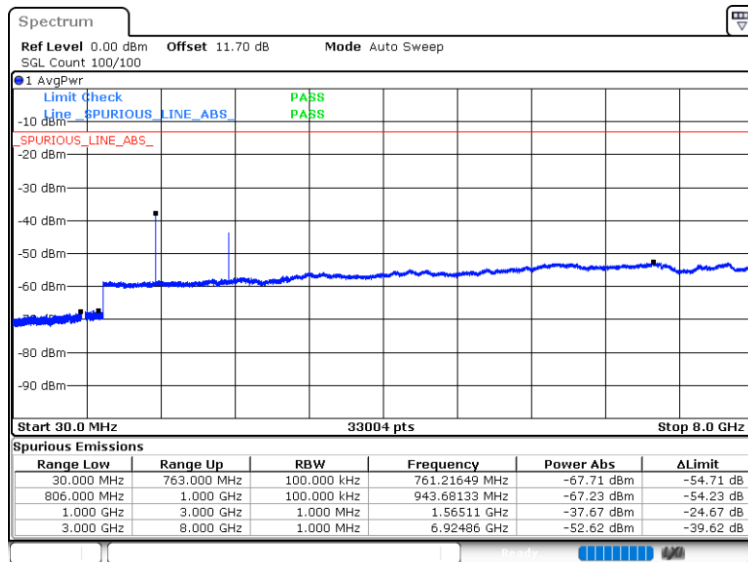
Date: 20.JUN.2025 06:32:47

Middle Channel / QPSK



Date: 20.JUN.2025 06:34:14

Highest Channel / QPSK

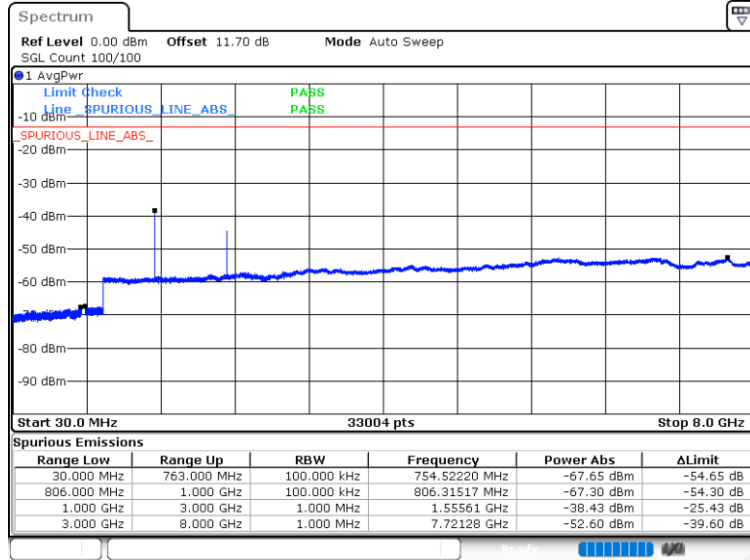


Date: 20.JUN.2025 06:35:42



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 20.JUN.2025 06:37:15

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	0.0104	PASS
40	Normal Voltage	0.0041	
30	Normal Voltage	0.0059	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0115	
0	Normal Voltage	0.0130	
-10	Normal Voltage	0.0088	
-20	Normal Voltage	0.0129	
-30	Normal Voltage	0.0101	
20	Maximum Voltage	0.0128	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0024	

Note:

1. Normal Voltage =3.8 V. ; Minimum Voltage =3.4 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 14

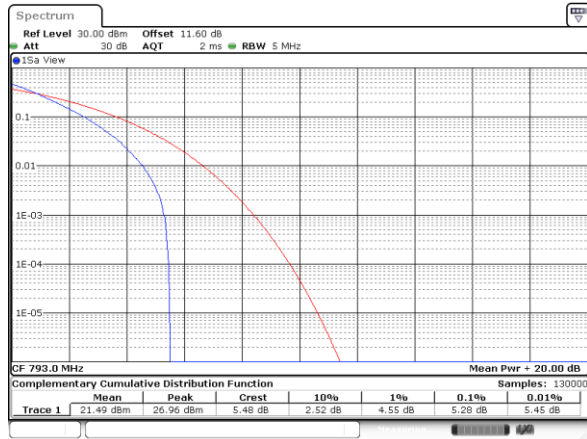
Peak-to-Average Ratio

Mode	LTE Band 14 / 5MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.28	6.35	6.7	6.61	PASS
Mode	LTE Band 14 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.39	6.26	6.7	6.78	PASS



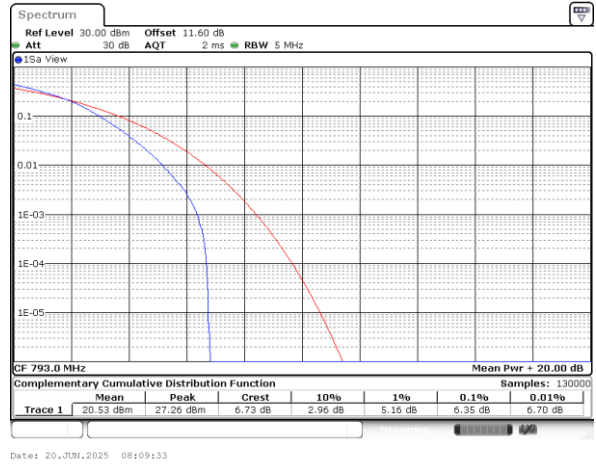
LTE Band 14 / 5MHz / QPSK

Middle Channel / Full RB



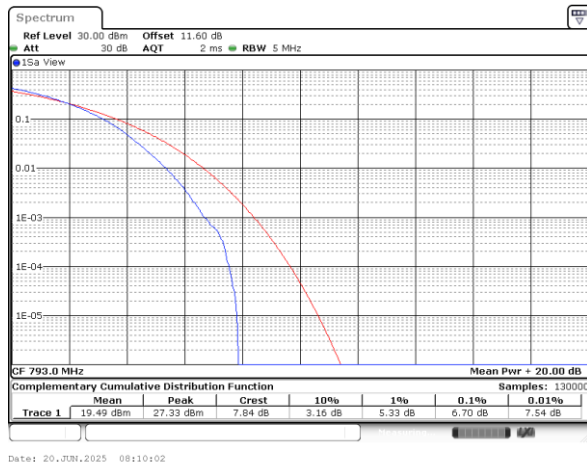
LTE Band 14 / 5MHz / 16QAM

Middle Channel / Full RB



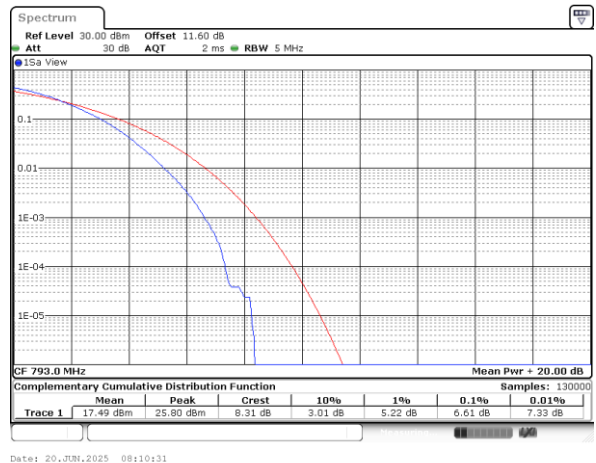
LTE Band 14 / 5MHz / 64QAM

Middle Channel / Full RB



LTE Band 14 / 5MHz / 256QAM

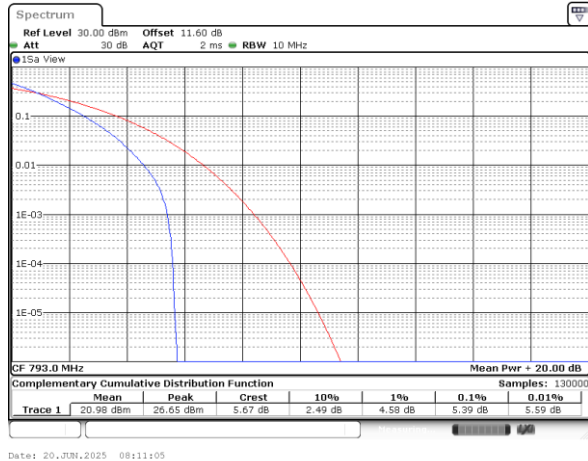
Middle Channel / Full RB





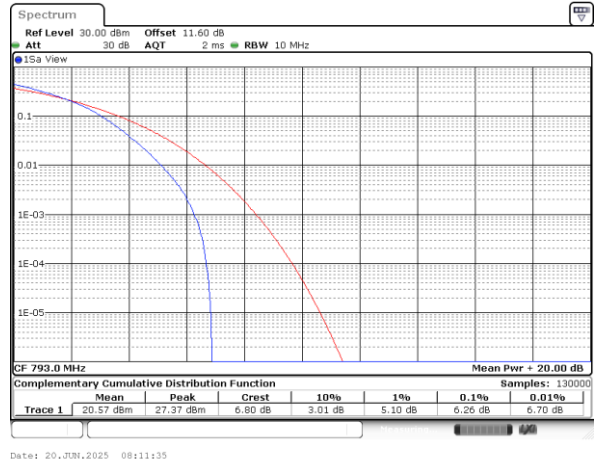
LTE Band 14 / 10MHz / QPSK

Middle Channel / Full RB



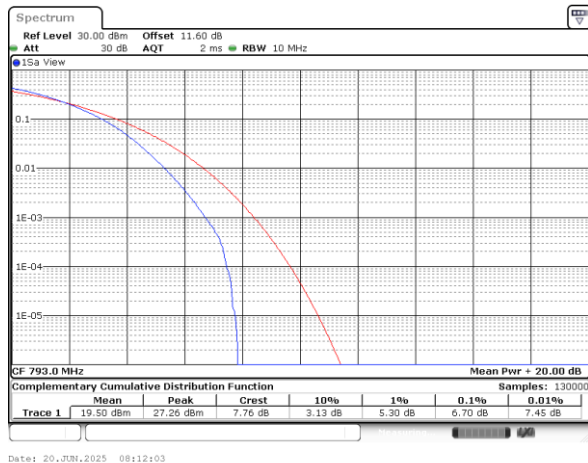
LTE Band 14 / 10MHz / 16QAM

Middle Channel / Full RB



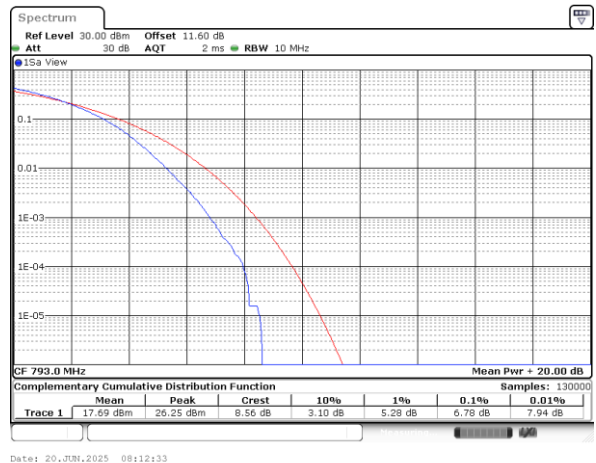
LTE Band 14 / 10MHz / 64QAM

Middle Channel / Full RB



LTE Band 14 / 10MHz / 256QAM

Middle Channel / Full RB



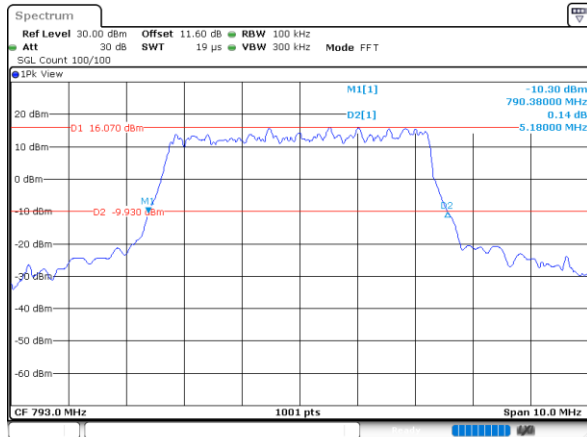
**26dB Bandwidth**

Mode	LTE Band 14 : 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	-	-	-	-	5.18	4.91	9.86	10.02	-	-	-	-
Mode	LTE Band 14 : 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	5.05	9.70	10.08	-	-	-	-

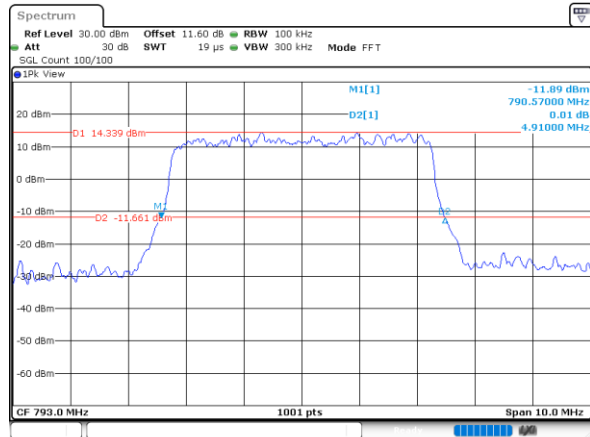


LTE Band 14

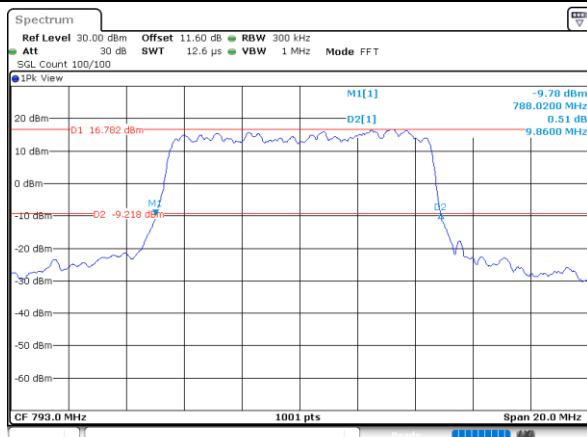
Middle Channel / 5MHz / QPSK



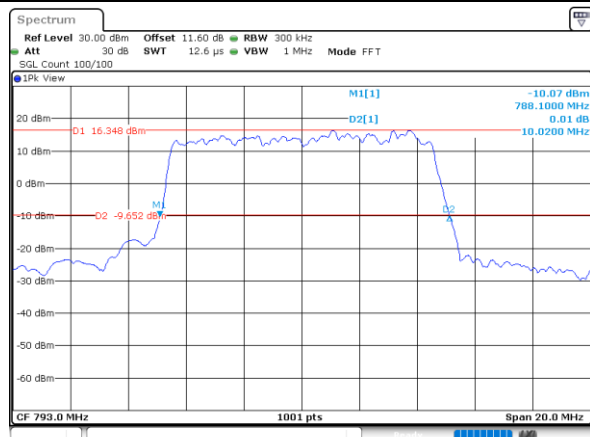
Middle Channel / 5MHz / 16QAM



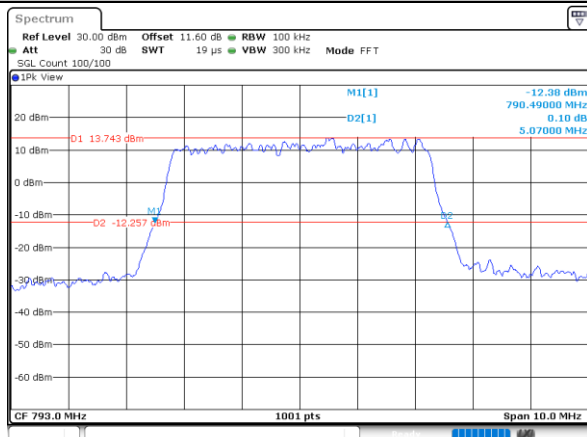
Middle Channel / 10MHz / QPSK



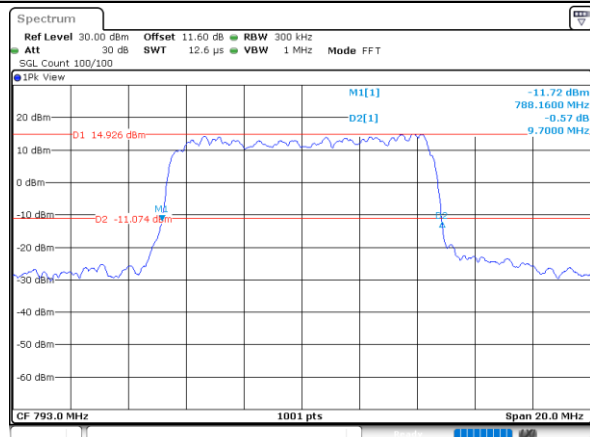
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



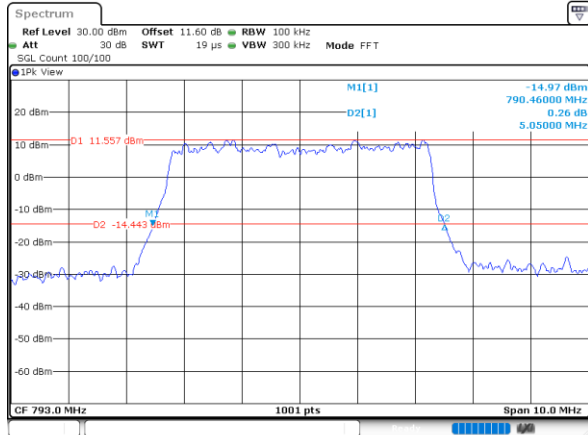
Middle Channel / 10MHz / 64QAM



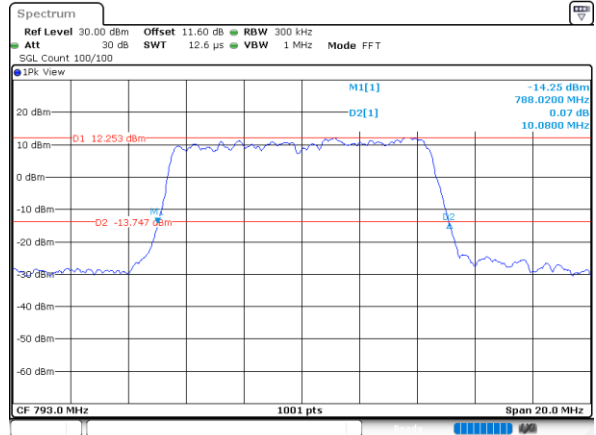


LTE Band 14

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM



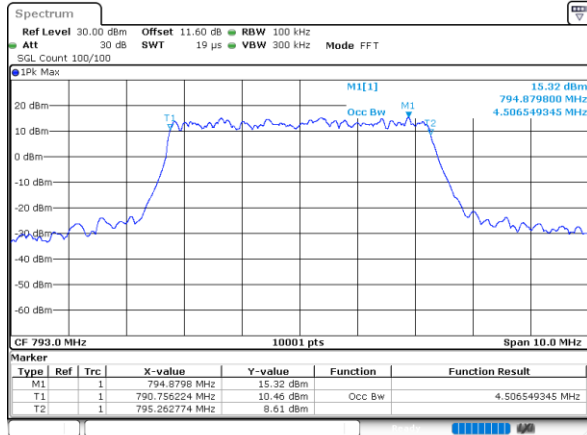
**Occupied Bandwidth**

Mode	LTE Band 14 : 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	-	-	-	-	4.50	4.47	9.03	9.03	-	-	-	-
Mode	LTE Band 14 : 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	4.49	9.01	8.95	-	-	-	-

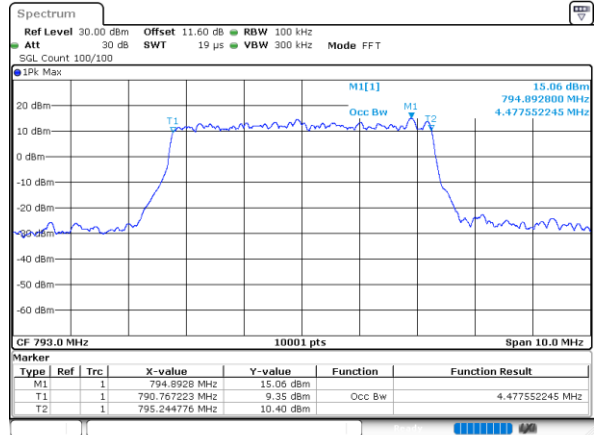


LTE Band 14

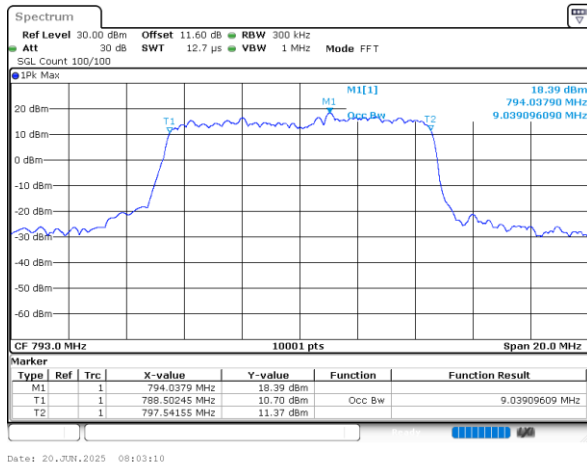
Middle Channel / 5MHz / QPSK



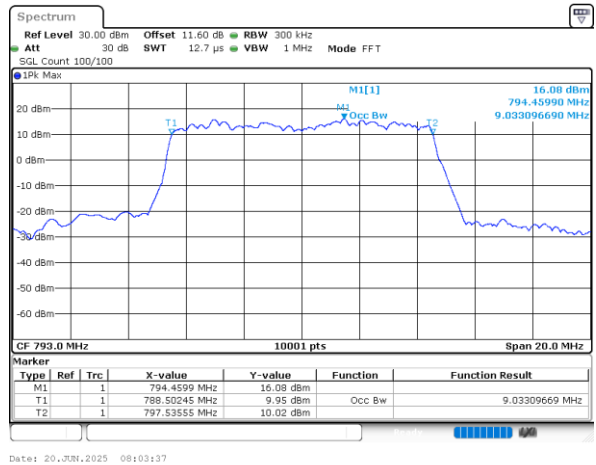
Middle Channel / 5MHz / 16QAM



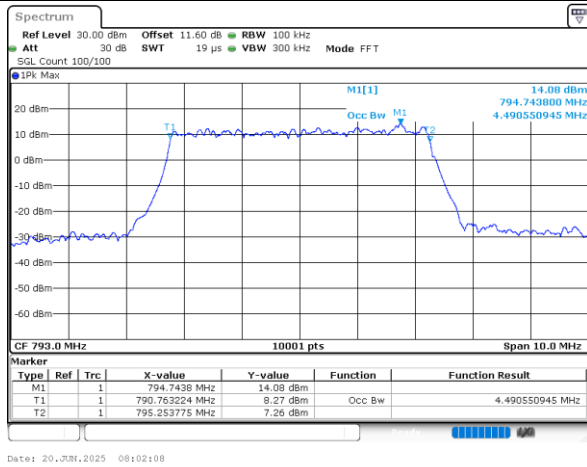
Middle Channel / 10MHz / QPSK



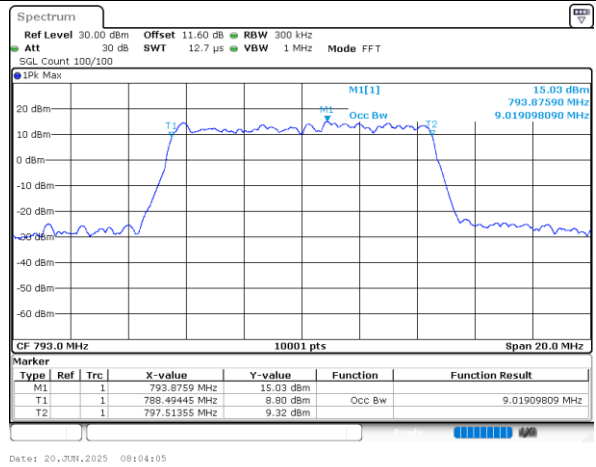
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



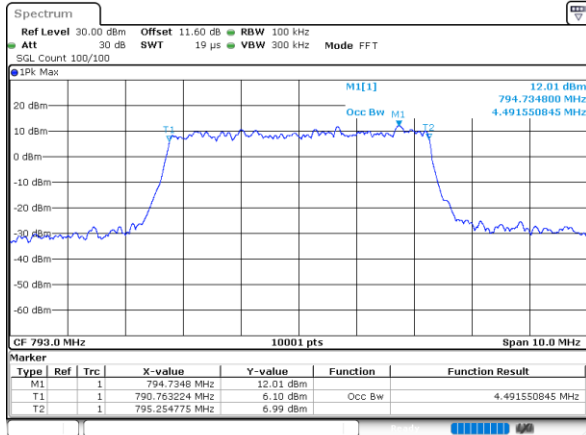
Middle Channel / 10MHz / 64QAM



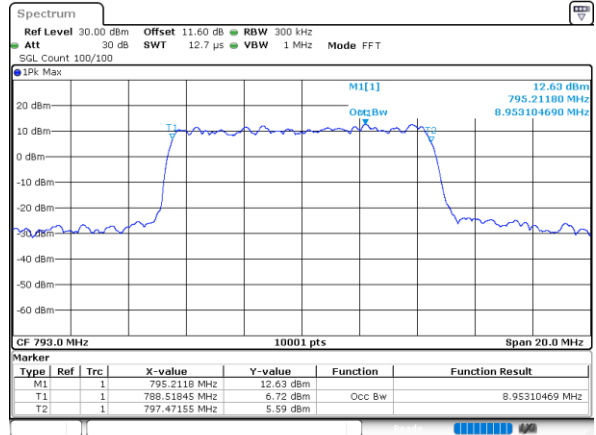


LTE Band 14

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM

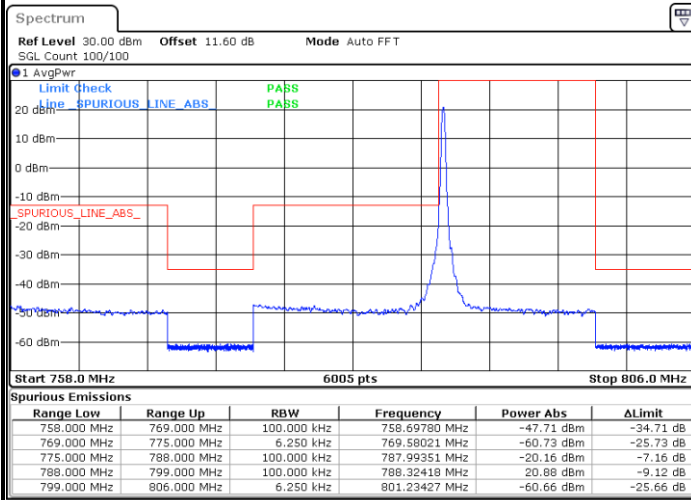




Conducted Band Edge

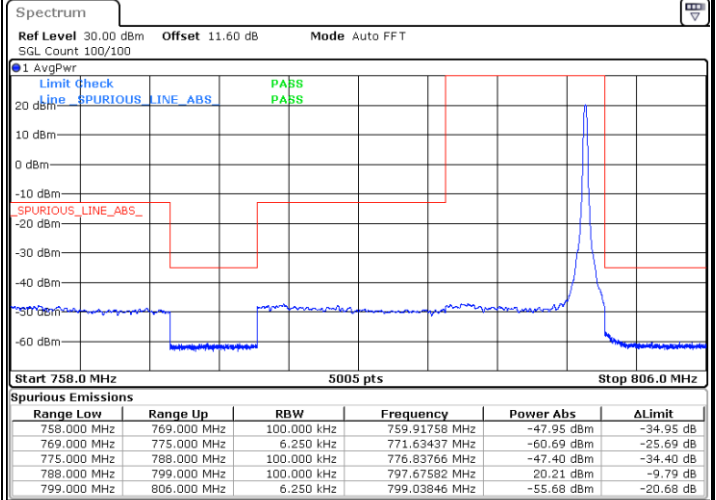
LTE Band 14 / 5MHz / QPSK

Lowest Band Edge / 1 RB



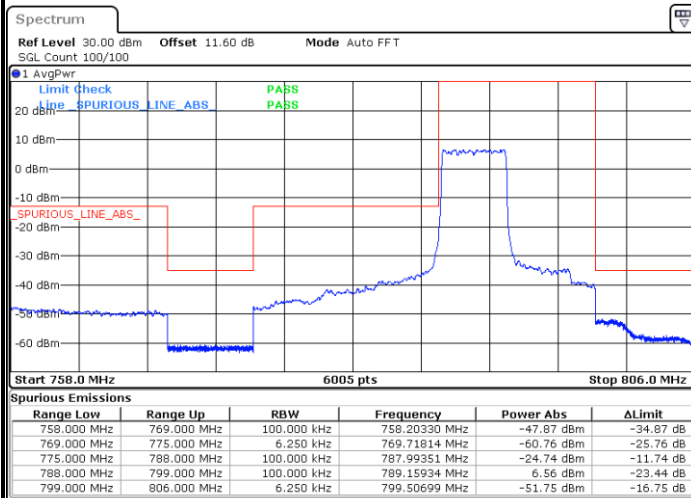
Date: 20 JUN.2025 06:44:45

Highest Band Edge / 1 RB



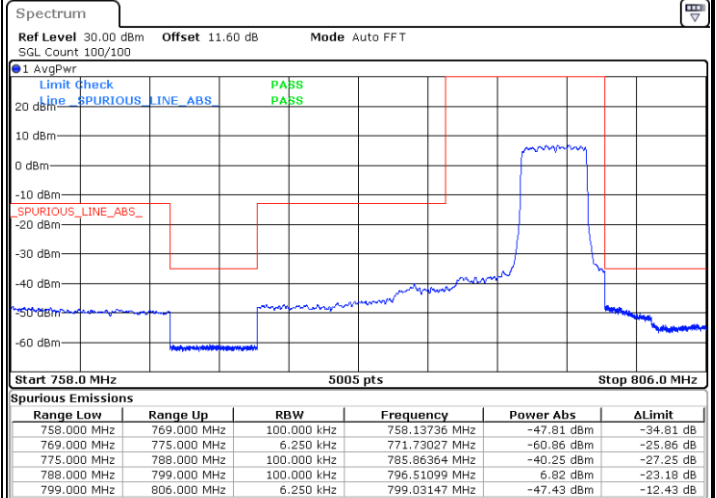
Date: 20 JUN.2025 06:58:29

Lowest Band Edge / Full RB



Date: 20 JUN.2025 06:38:50

Highest Band Edge / Full RB

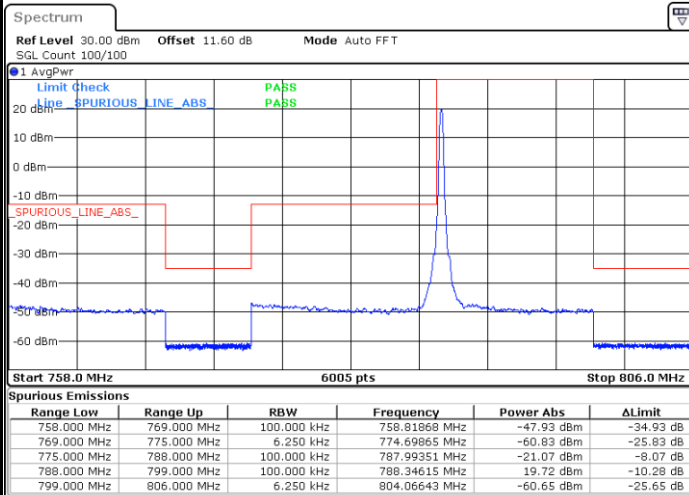


Date: 20 JUN.2025 06:52:34

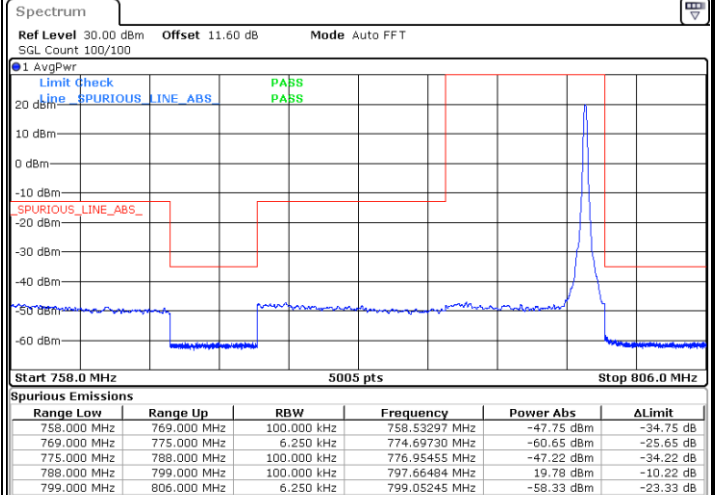


LTE Band 14 / 5MHz / 16QAM

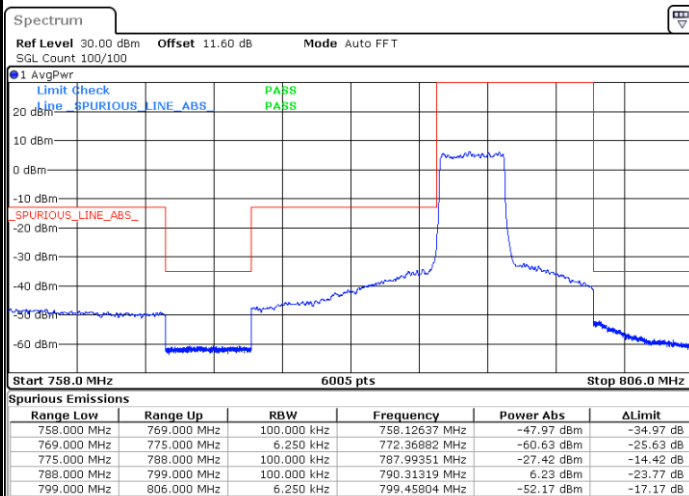
Lowest Band Edge / 1 RB



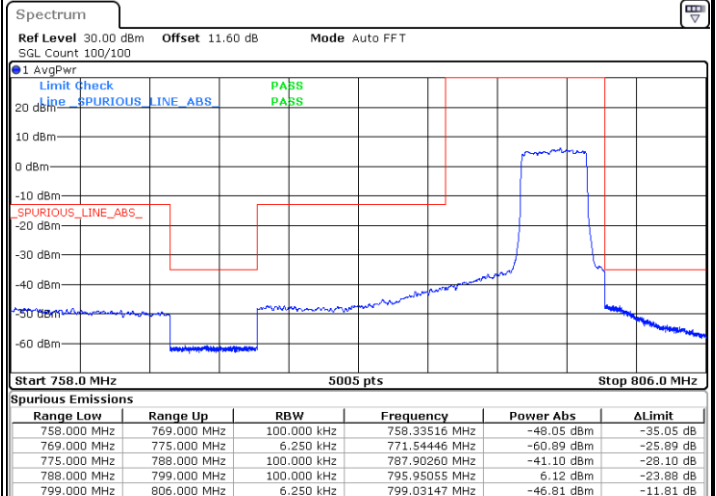
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



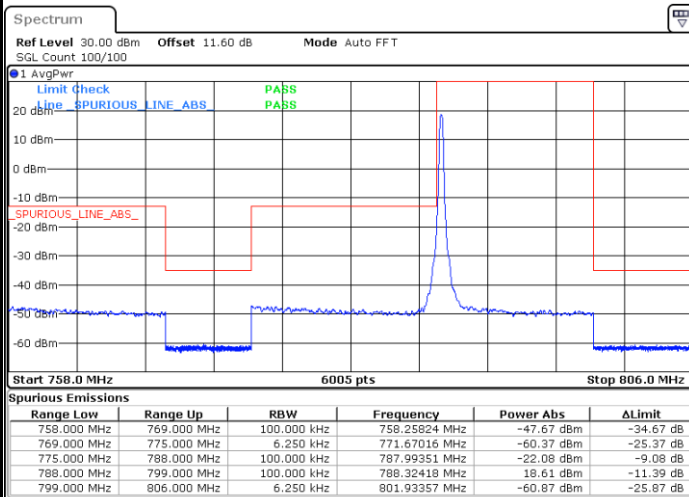
Highest Band Edge / Full RB





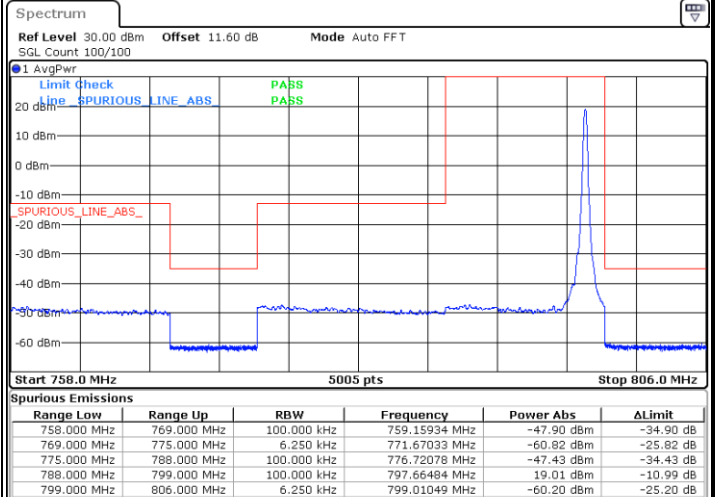
LTE Band 14 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



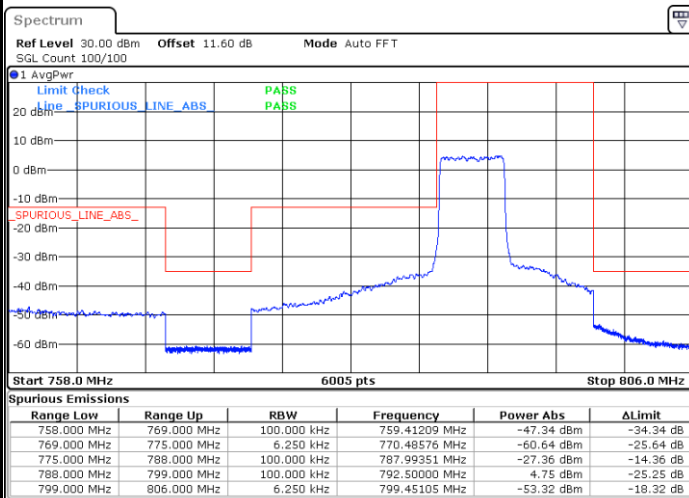
Date: 20.JUN.2025 06:47:41

Highest Band Edge / 1 RB



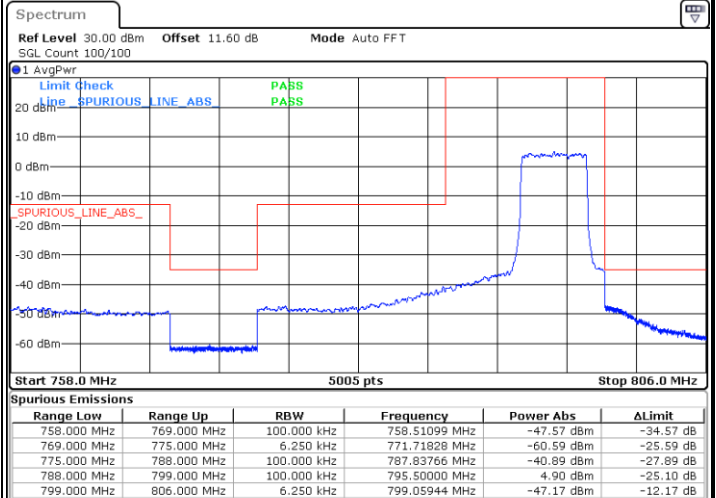
Date: 20.JUN.2025 07:01:25

Lowest Band Edge / Full RB



Date: 20.JUN.2025 06:41:46

Highest Band Edge / Full RB

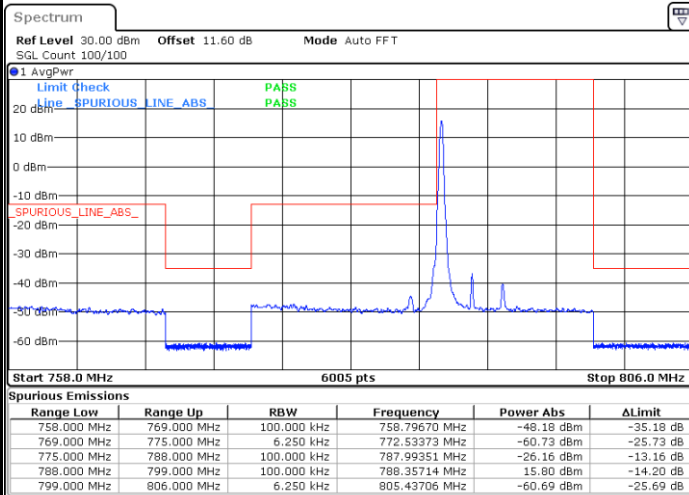


Date: 20.JUN.2025 06:55:30

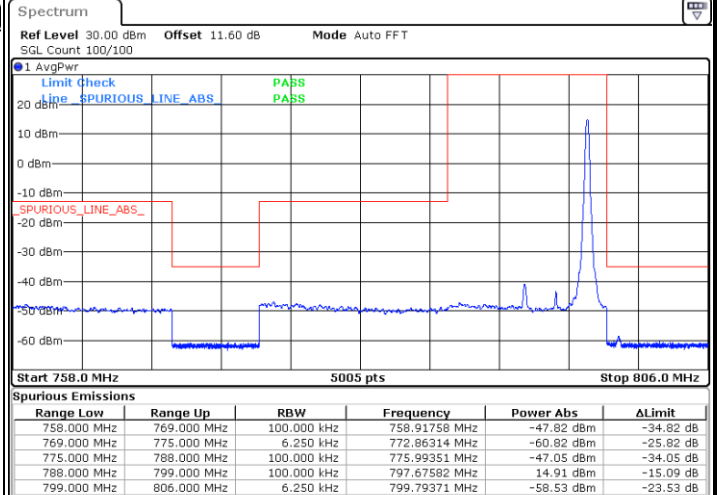


LTE Band 14 / 5MHz / 256QAM

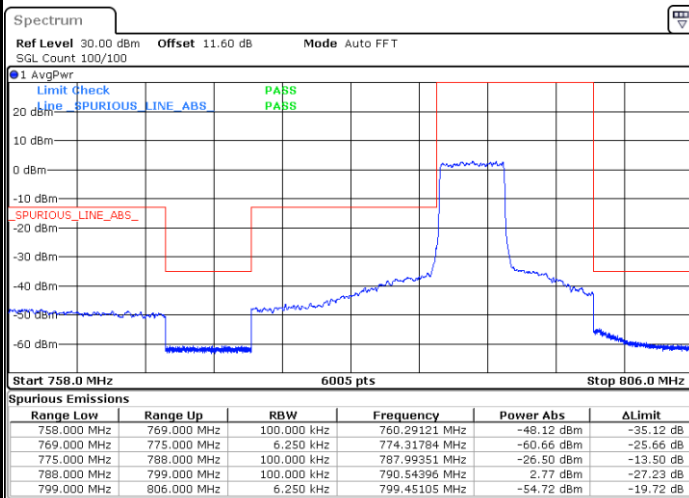
Lowest Band Edge / 1 RB



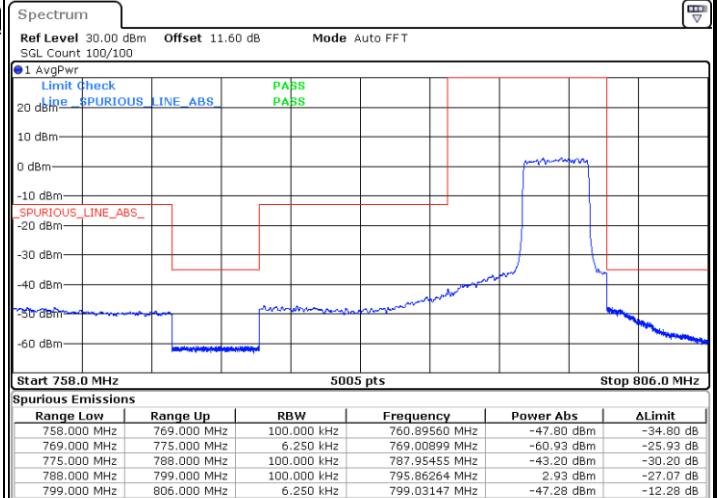
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



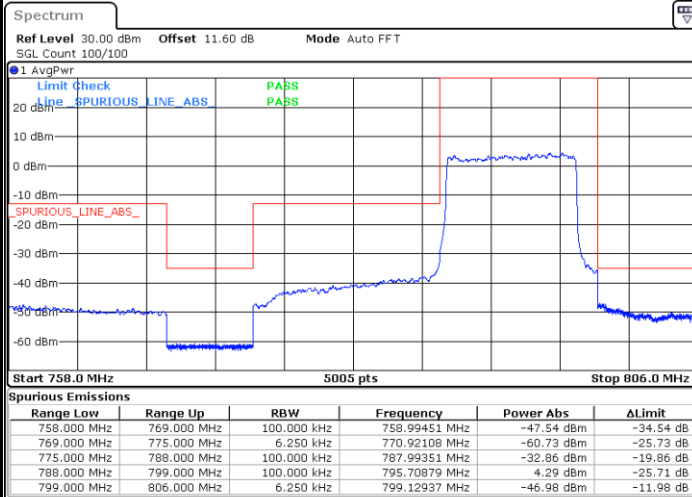
Highest Band Edge / Full RB





LTE Band 14 / 10MHz / QPSK

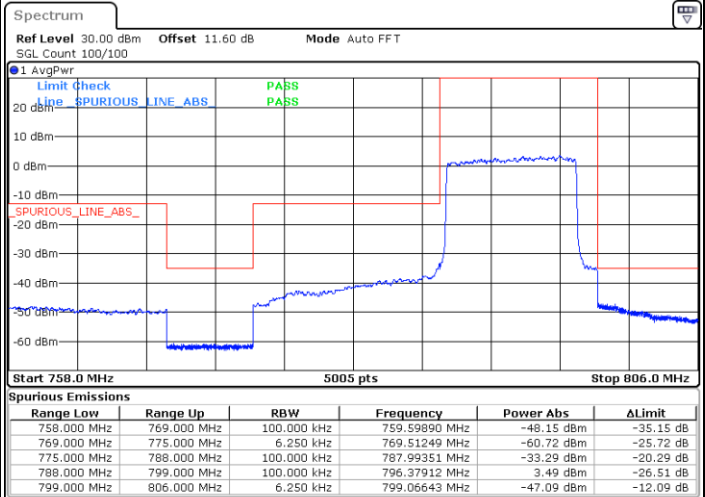
Band Edge / Full RB



Date: 20.JUN.2025 07:04:26

LTE Band 14 / 10MHz / 16QAM

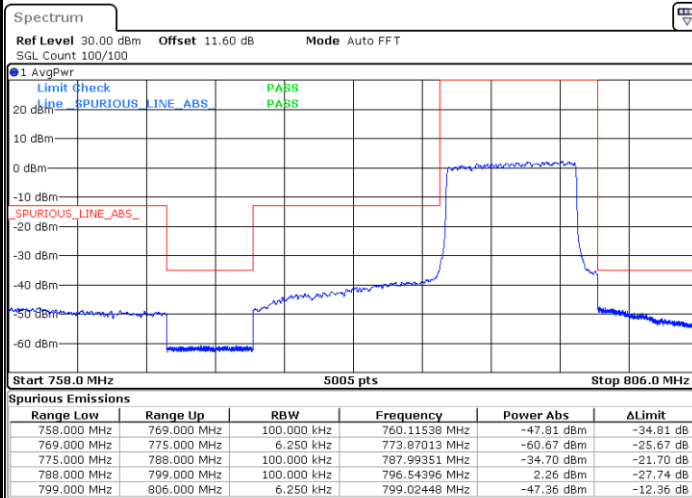
Band Edge / Full RB



Date: 20.JUN.2025 07:05:53

LTE Band 14 / 10MHz / 64QAM

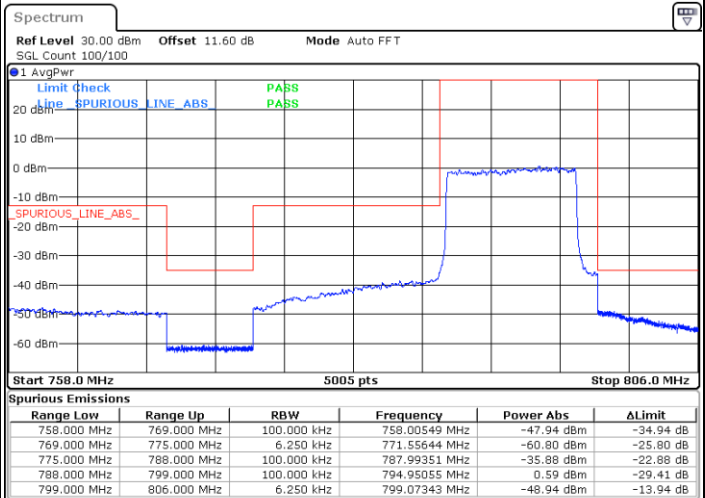
Band Edge / Full RB



Date: 20.JUN.2025 07:07:21

LTE Band 14 / 10MHz / 256QAM

Band Edge / Full RB



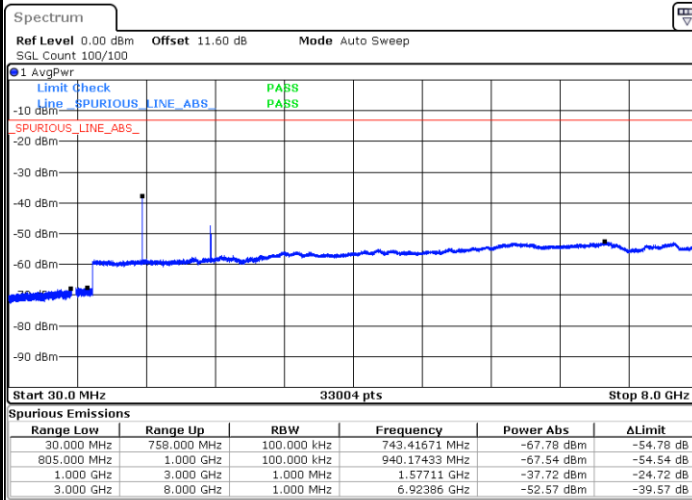
Date: 20.JUN.2025 07:08:48



Conducted Spurious Emission

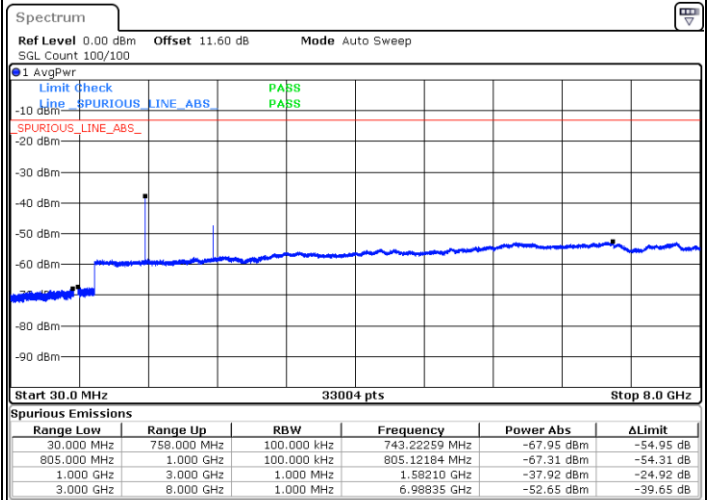
LTE Band 14 / 5MHz

Lowest Channel / QPSK



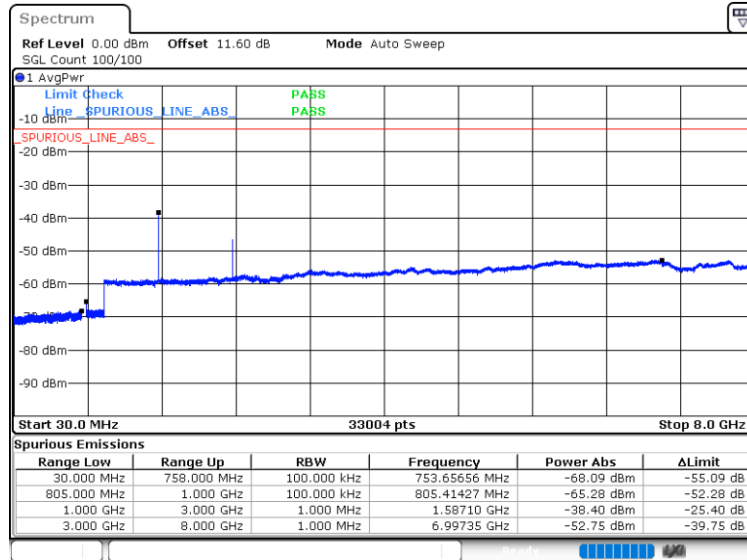
Date: 20.JUN.2025 08:14:05

Middle Channel / QPSK



Date: 20.JUN.2025 08:15:33

Highest Channel / QPSK

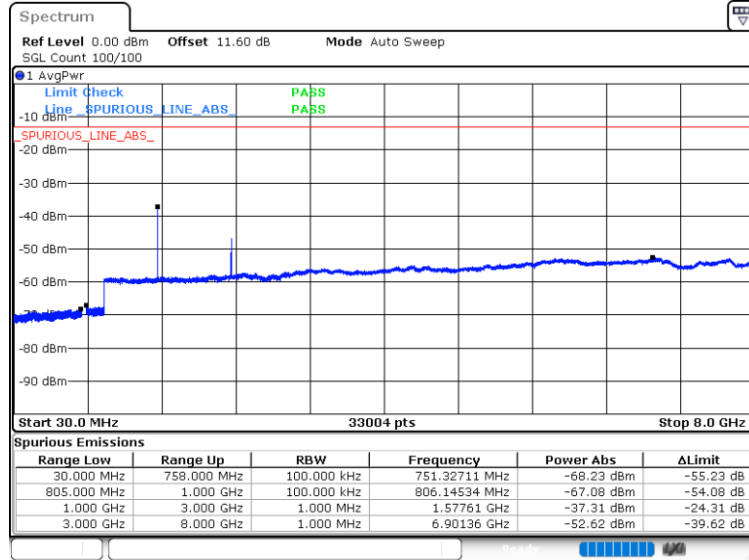


Date: 20.JUN.2025 08:17:00



LTE Band 14 / 10MHz

Middle Channel / QPSK



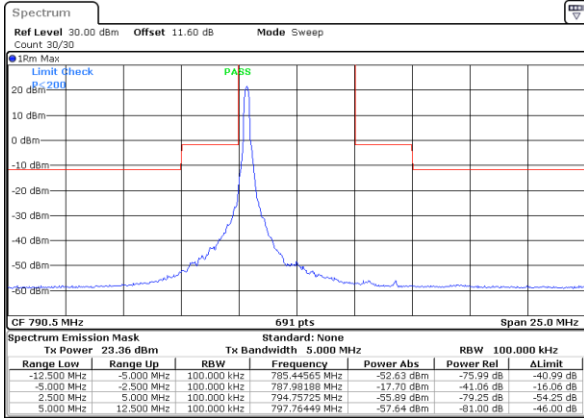
Date: 20 JUN 2025 08:18:34



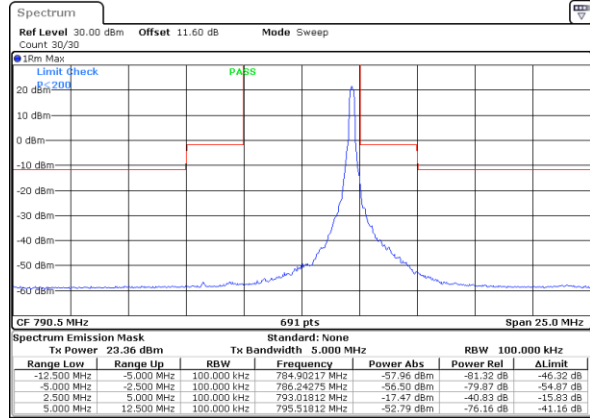
Mask

LTE Band 14 / 5MHz / QPSK

Lowest Channel / 1RB

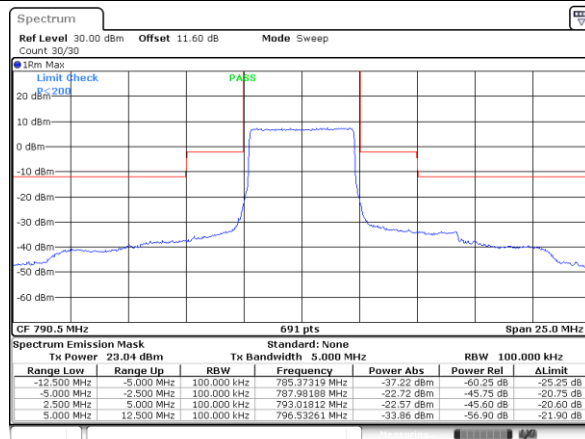


Date: 20 JUN 2025 07:15:23



Date: 20 JUN 2025 07:12:36

Lowest Channel / Full RB

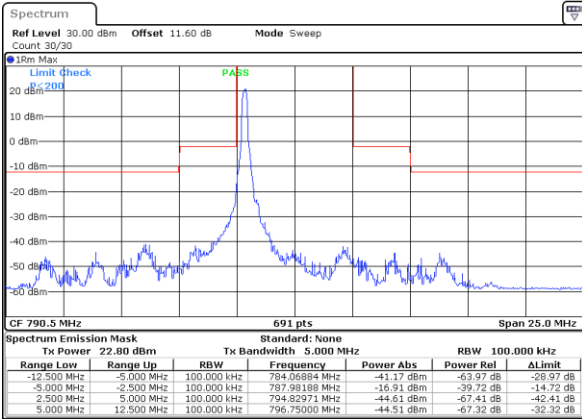


Date: 20 JUN 2025 07:16:11

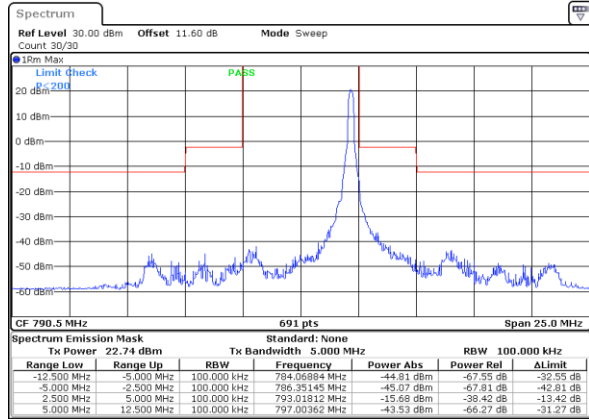


LTE Band 14 / 5MHz / 16QAM

Lowest Channel / 1RB

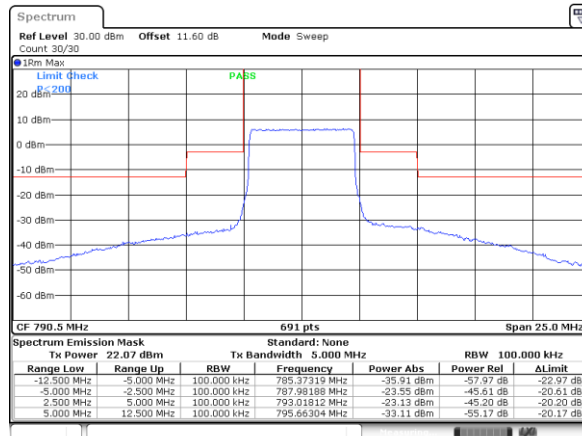


Date: 20 JUN 2025 07:16:41



Date: 20 JUN 2025 07:12:53

Lowest Channel / Full RB

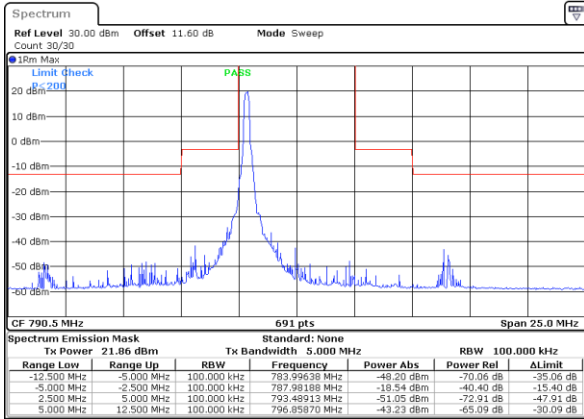


Date: 20 JUN 2025 07:11:28

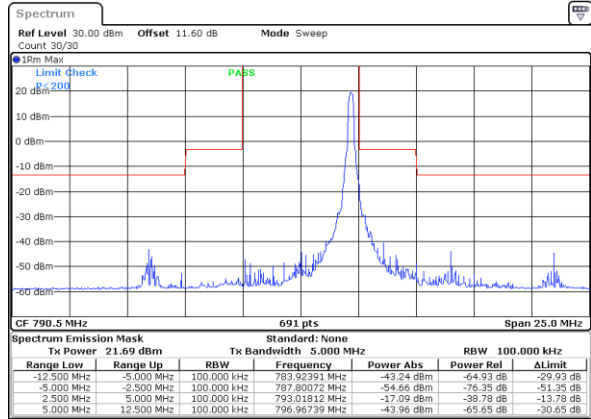


LTE Band 14 / 5MHz / 64QAM

Lowest Channel / 1RB

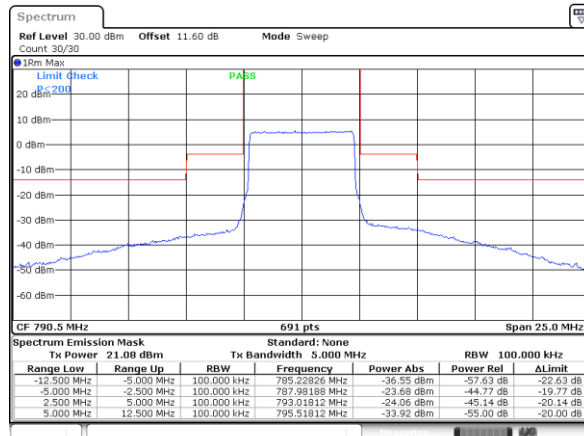


Date: 20 JUN 2025 07:17:58



Date: 20 JUN 2025 07:12:11

Lowest Channel / Full RB

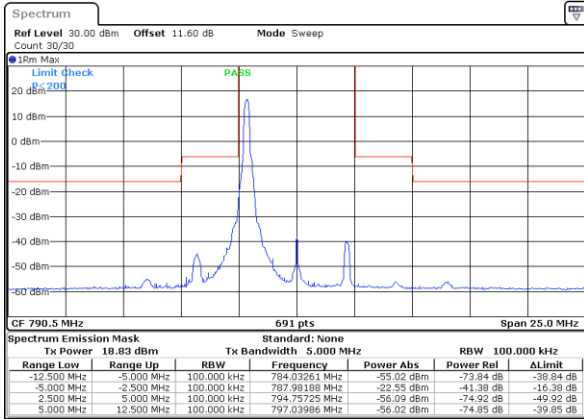


Date: 20 JUN 2025 07:12:46

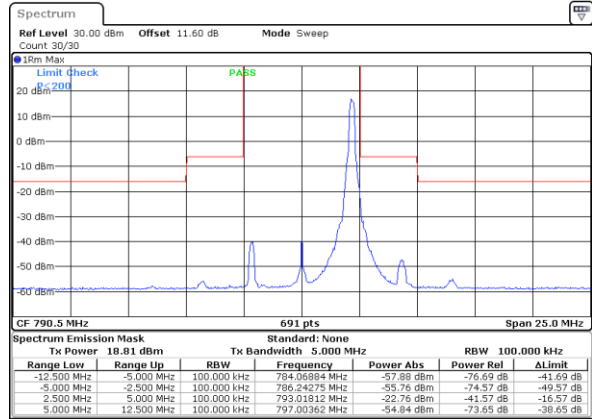


LTE Band 14 / 5MHz / 256QAM

Lowest Channel / 1RB

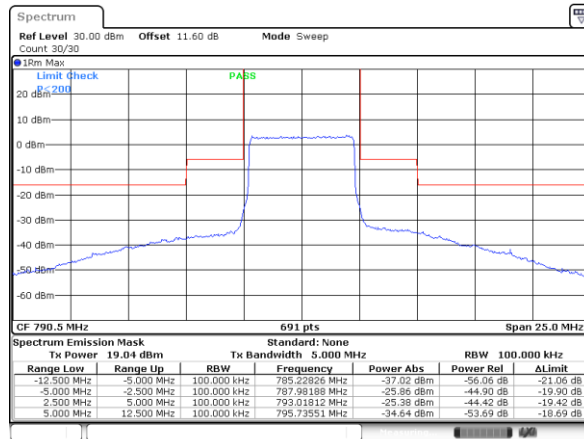


Date: 20 JUN 2025 07:19:16



Date: 20 JUN 2025 07:12:128

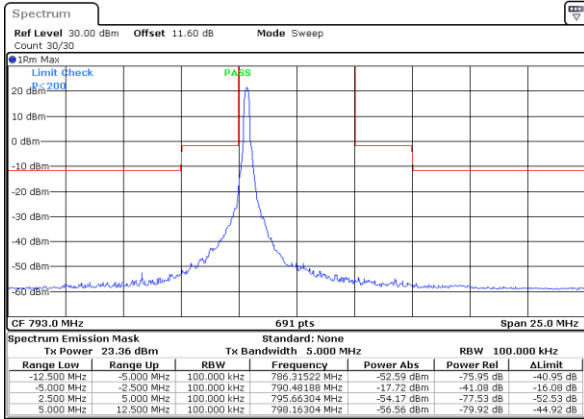
Lowest Channel / Full RB



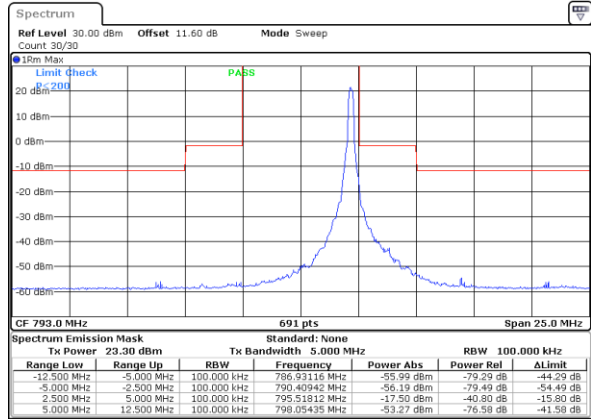
Date: 20 JUN 2025 07:14:03

LTE Band 14 / 5MHz / QPSK

Middle Channel / 1RB

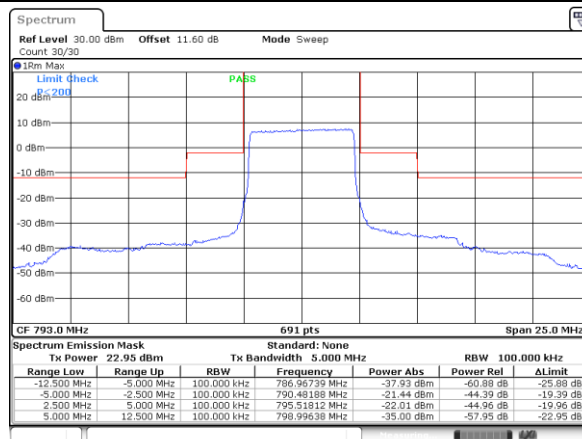


Date: 20 JUN 2025 07:30:53



Date: 20 JUN 2025 07:36:01

Middle Channel / Full RB

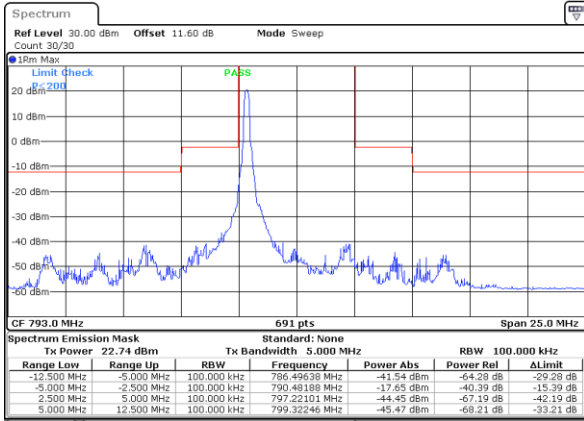


Date: 20 JUN 2025 07:25:45

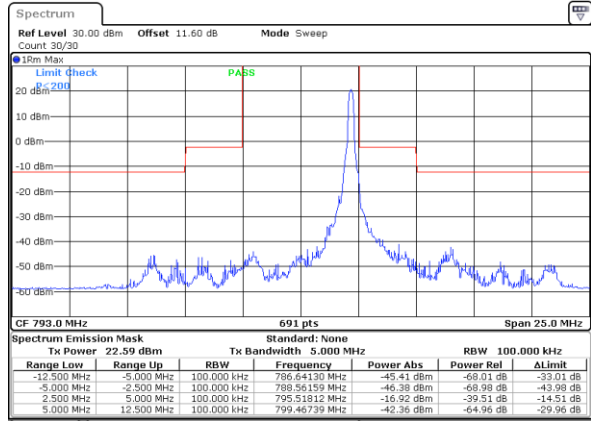


LTE Band 14 / 5MHz / 16QAM

Middle Channel / 1RB

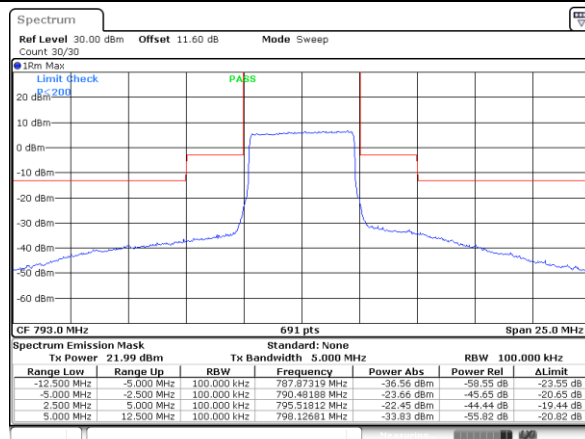


Date: 20 JUN 2025 07:32:10



Date: 20 JUN 2025 07:37:18

Middle Channel / Full RB

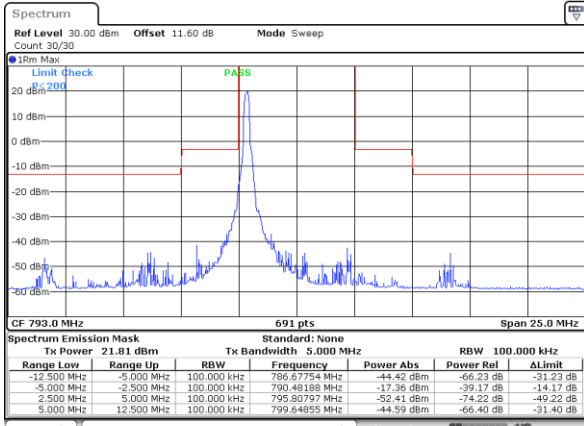


Date: 20 JUN 2025 07:27:02

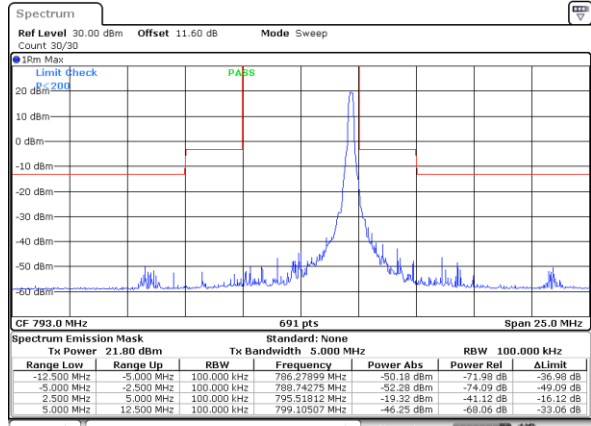


LTE Band 14 / 5MHz / 64QAM

Middle Channel / 1RB

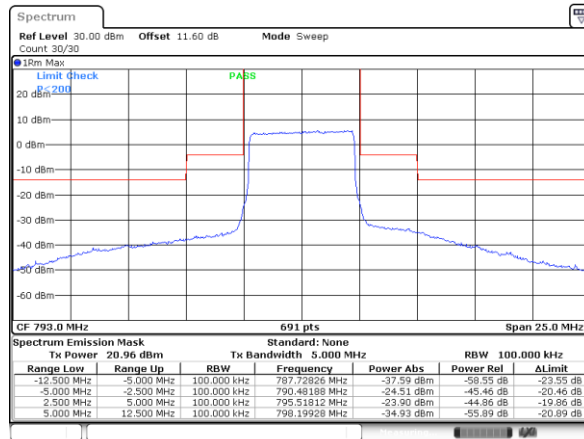


Date: 20 JUN 2025 07:33:27



Date: 20 JUN 2025 07:38:35

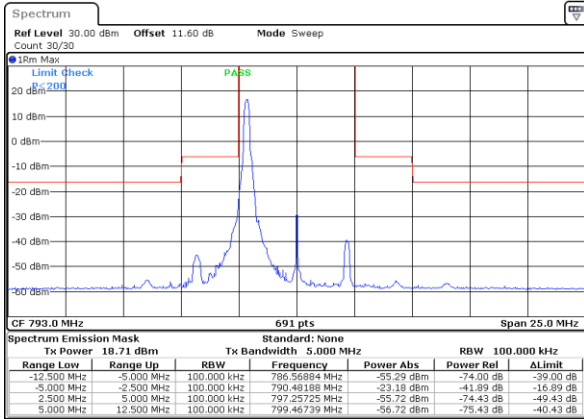
Middle Channel / Full RB



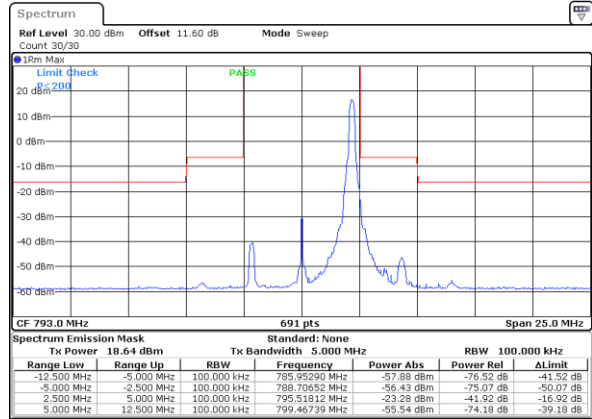
Date: 20 JUN 2025 07:28:19

LTE Band 14 / 5MHz / 256QAM

Middle Channel / 1RB

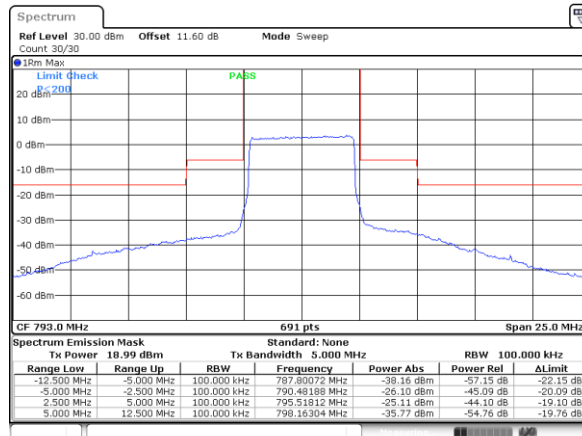


Date: 20 JUN 2025 07:13:43



Date: 20 JUN 2025 07:13:52

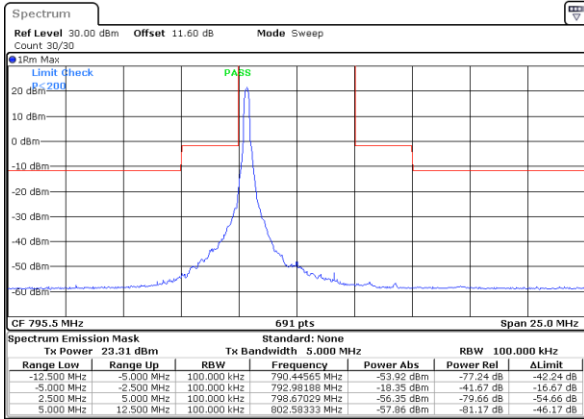
Middle Channel / Full RB



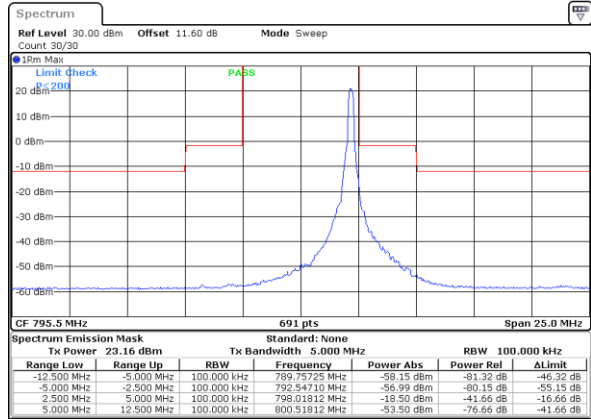
Date: 20 JUN 2025 07:29:36

LTE Band 14 / 5MHz / QPSK

Highest Channel / 1RB

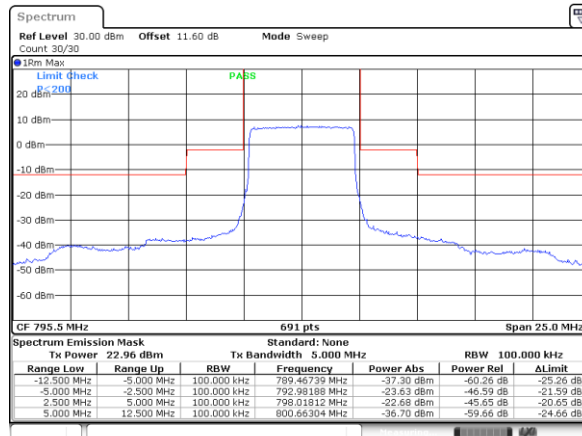


Date: 20 JUN 2025 07:46:22



Date: 20 JUN 2025 07:15:132

Highest Channel / Full RB

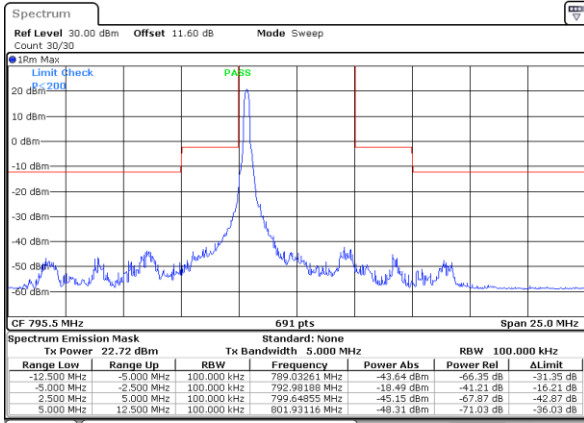


Date: 20 JUN 2025 07:41:09

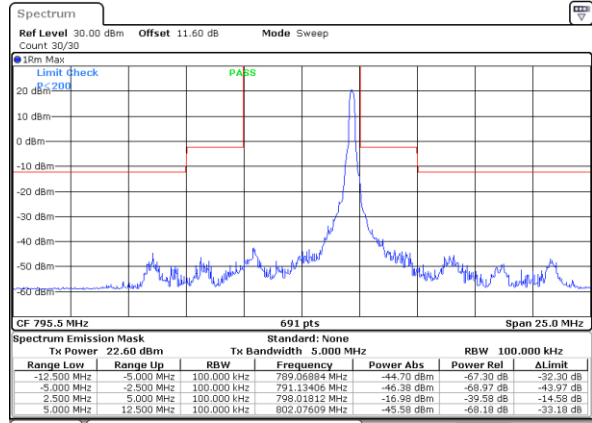


LTE Band 14 / 5MHz / 16QAM

Highest Channel / 1RB

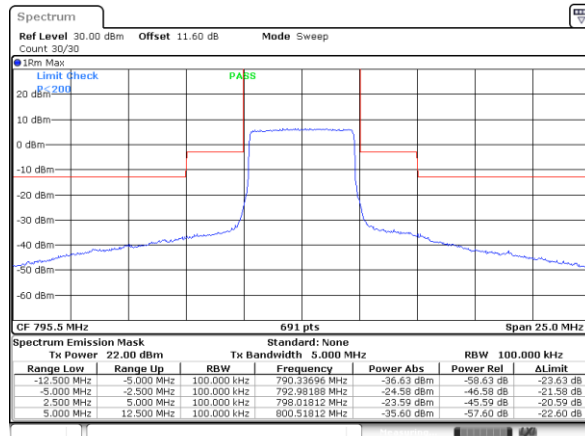


Date: 20 JUN 2025 07:47:40



Date: 20 JUN 2025 07:15:49

Highest Channel / Full RB

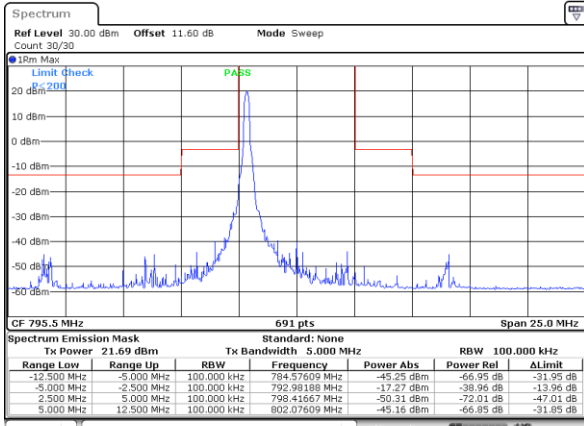


Date: 20 JUN 2025 07:42:27

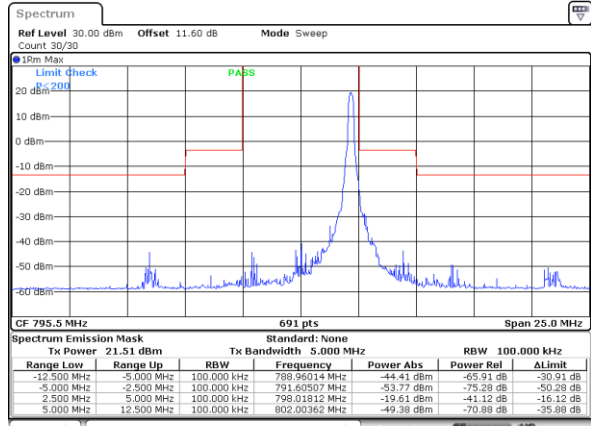


LTE Band 14 / 5MHz / 64QAM

Highest Channel / 1RB

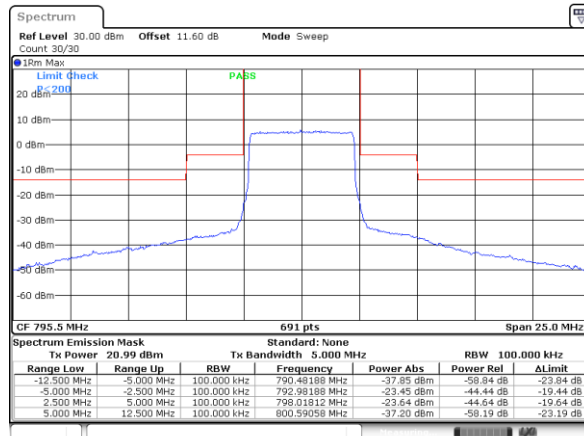


Date: 20 JUN 2025 07:48:57



Date: 20 JUN 2025 07:15:07

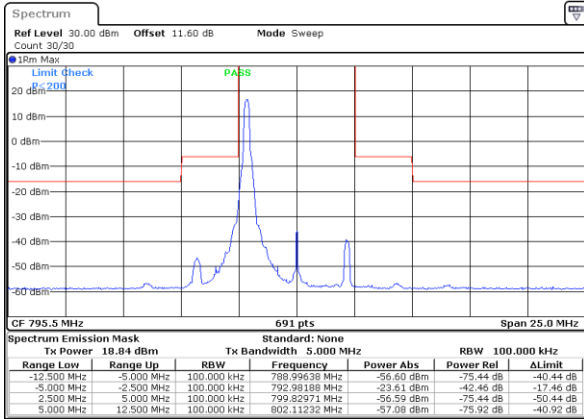
Highest Channel / Full RB



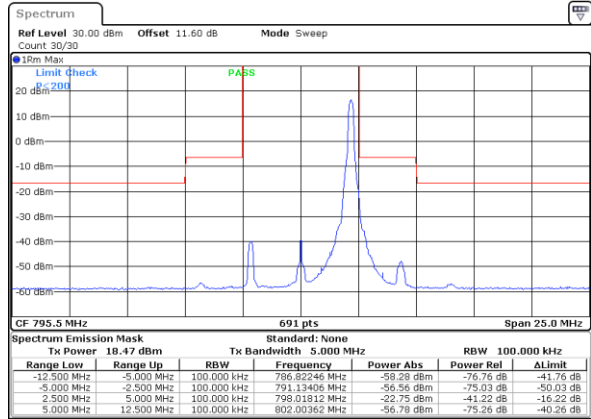
Date: 20 JUN 2025 07:43:44

LTE Band 14 / 5MHz / 256QAM

Highest Channel / 1RB

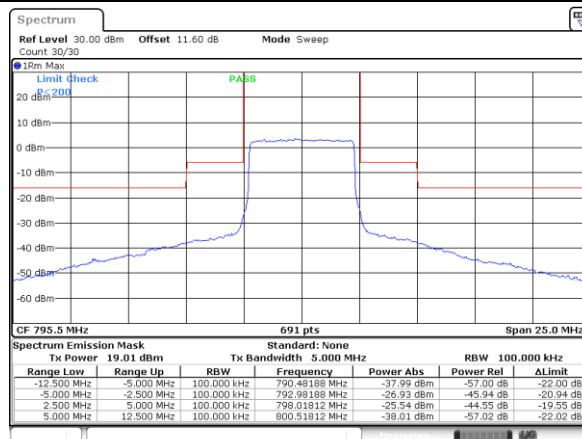


Date: 20 JUN 2025 07:50:15



Date: 20 JUN 2025 07:55:25

Highest Channel / Full RB

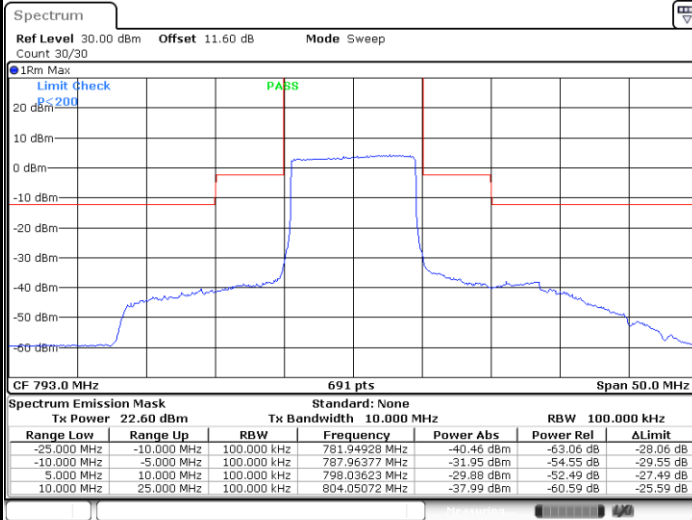


Date: 20 JUN 2025 07:45:02



LTE Band 14 / 10MHz / QPSK

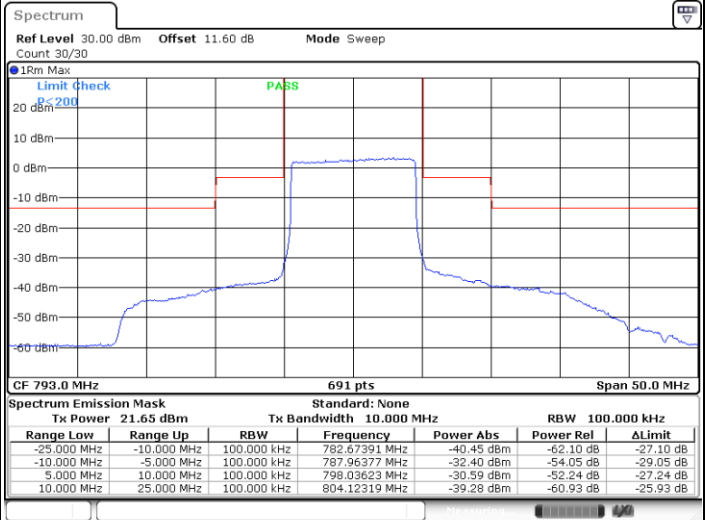
Middle Channel / Full RB



Date: 20.JUN.2025 07:56:47

LTE Band 14 / 10MHz / 16QAM

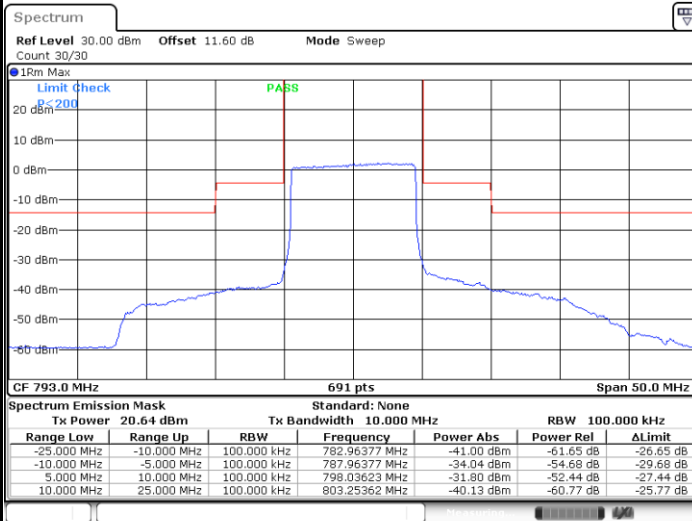
Middle Channel / Full RB



Date: 20.JUN.2025 07:58:04

LTE Band 14 / 10MHz / 64QAM

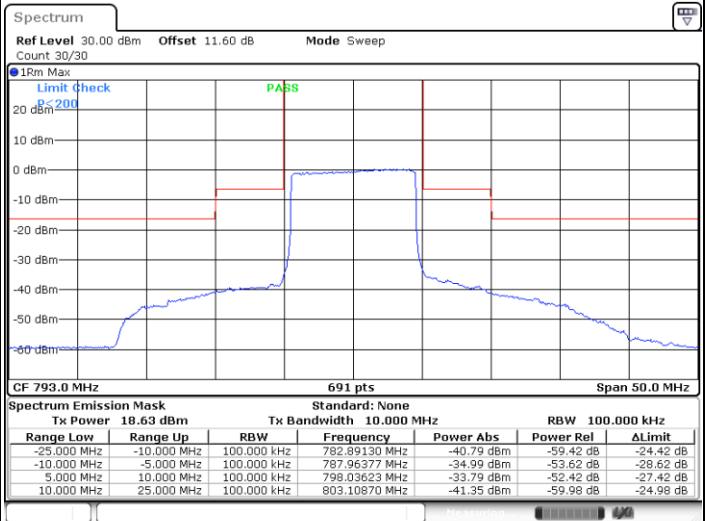
Middle Channel / Full RB



Date: 20.JUN.2025 07:59:21

LTE Band 14 / 10MHz / 256QAM

Middle Channel / Full RB



Date: 20.JUN.2025 08:00:38

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	0.0164	PASS
40	Normal Voltage	0.0044	
30	Normal Voltage	0.0064	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0107	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0028	
-20	Normal Voltage	0.0057	
-30	Normal Voltage	0.0115	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0084	

Note:

1. Normal Voltage = 3.8 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 25

Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.10	6.14	6.52	6.64	PASS