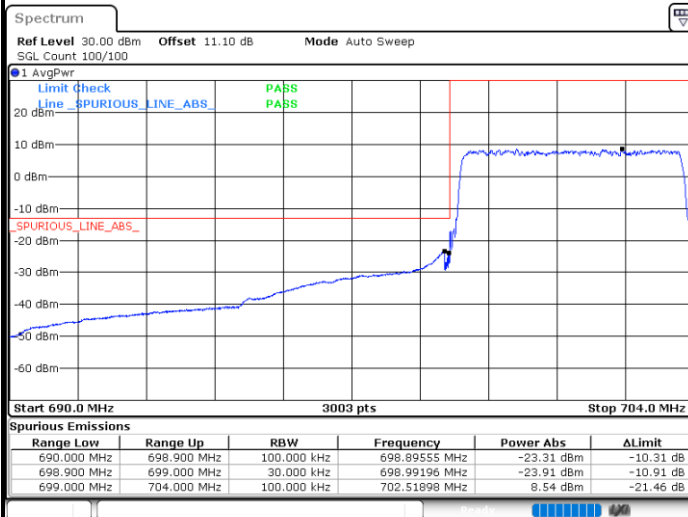


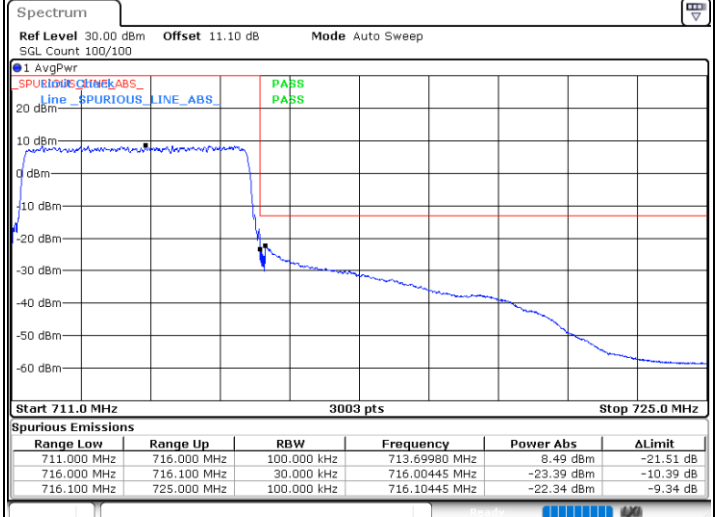


LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / Full RB

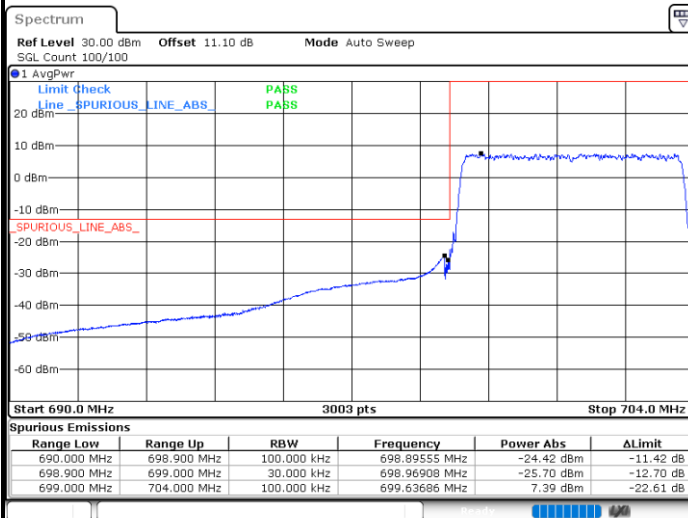


Highest Band Edge / Full RB

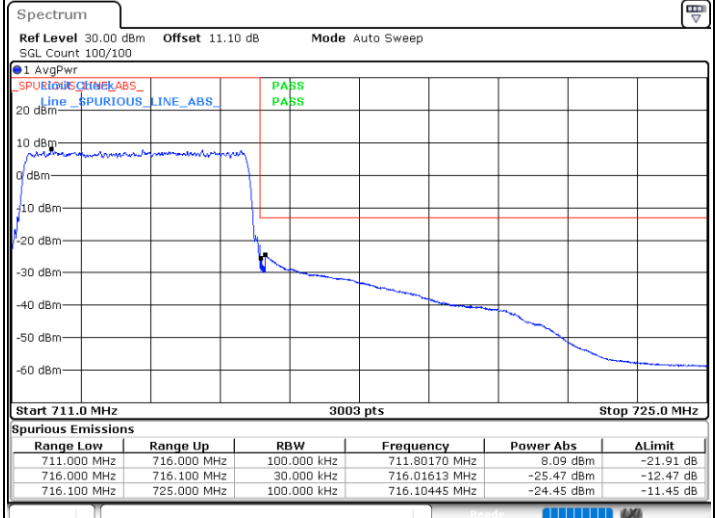


LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / Full RB



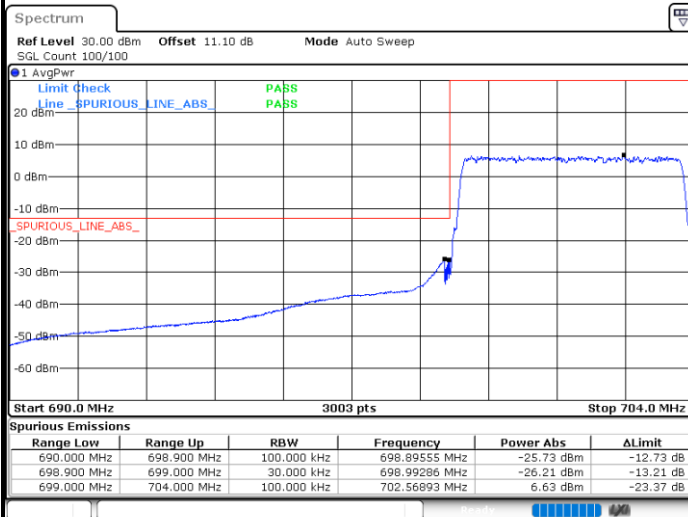
Highest Band Edge / Full RB



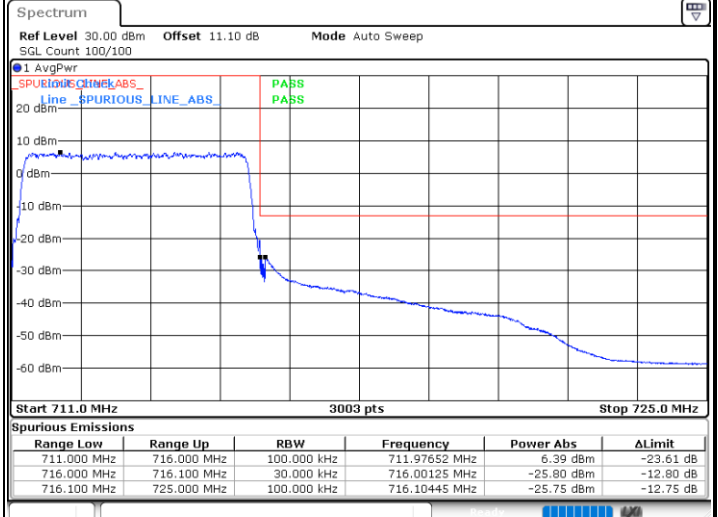


LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / Full RB

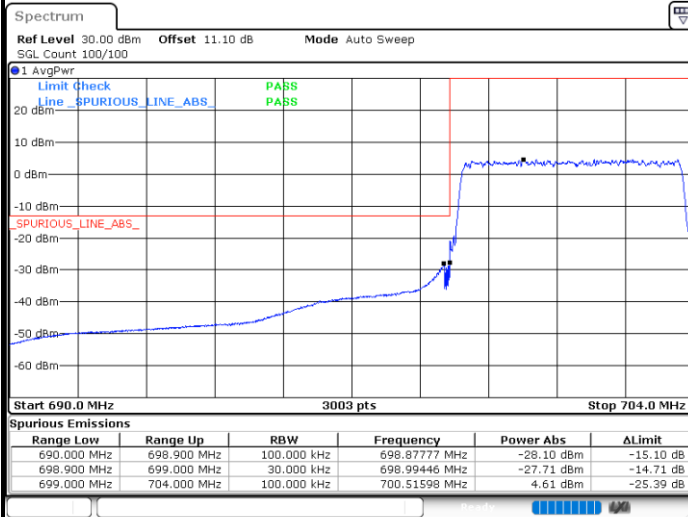


Highest Band Edge / Full RB

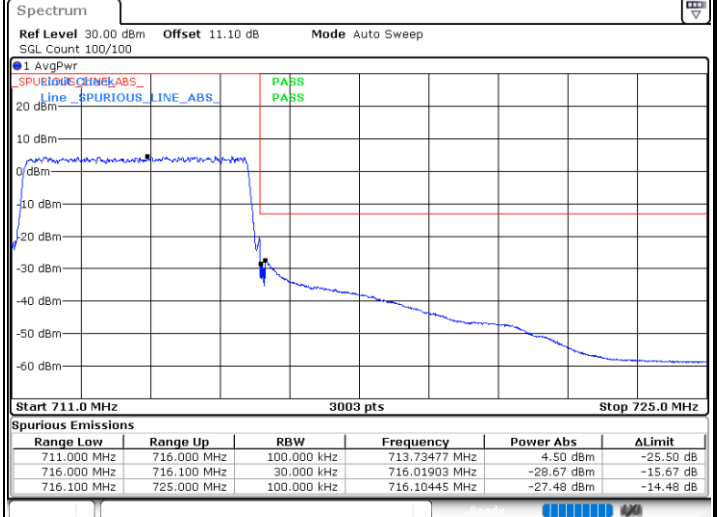


LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / Full RB



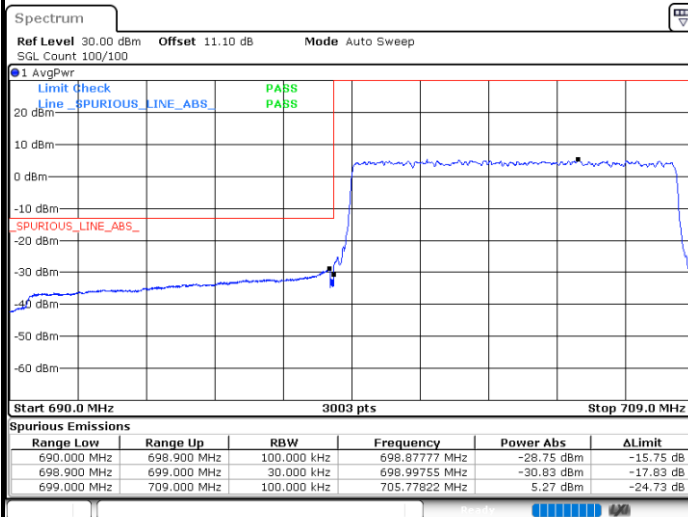
Highest Band Edge / Full RB



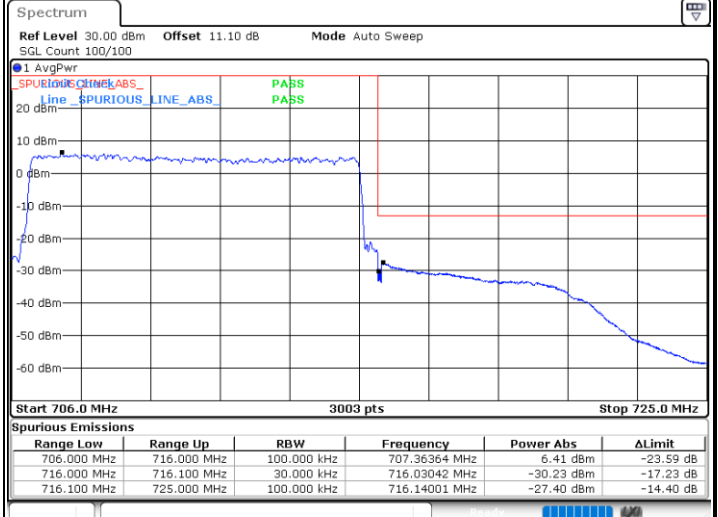


LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / Full RB

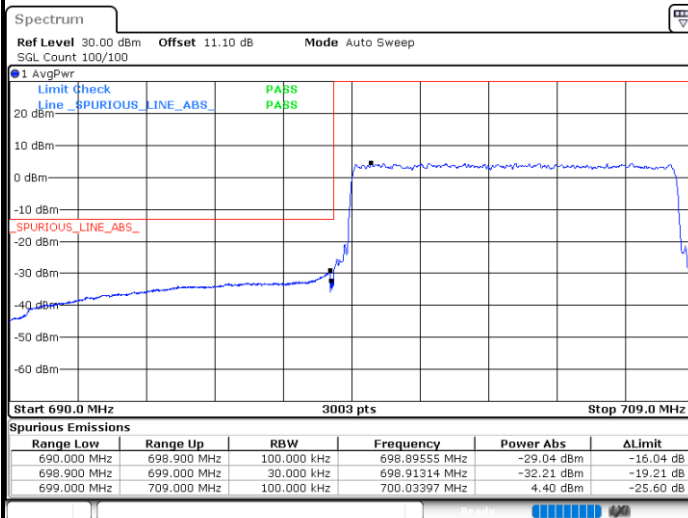


Highest Band Edge / Full RB

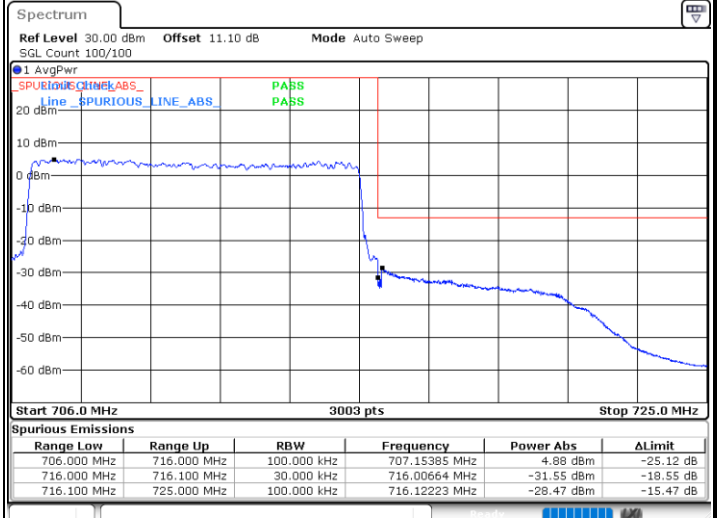


LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / Full RB



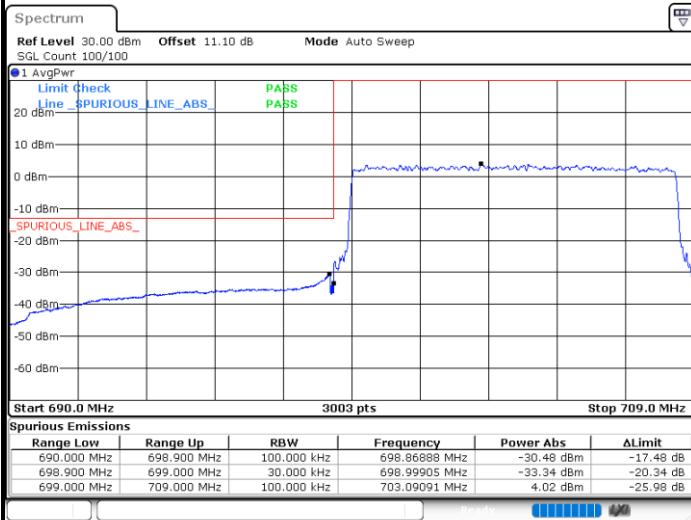
Highest Band Edge / Full RB



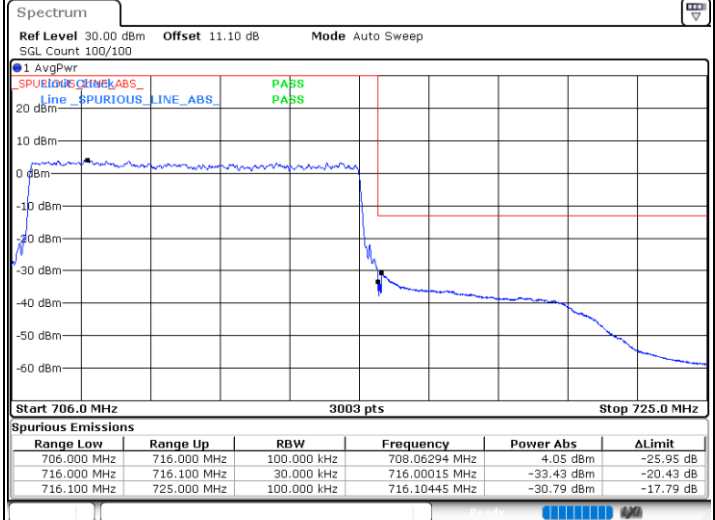


LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / Full RB

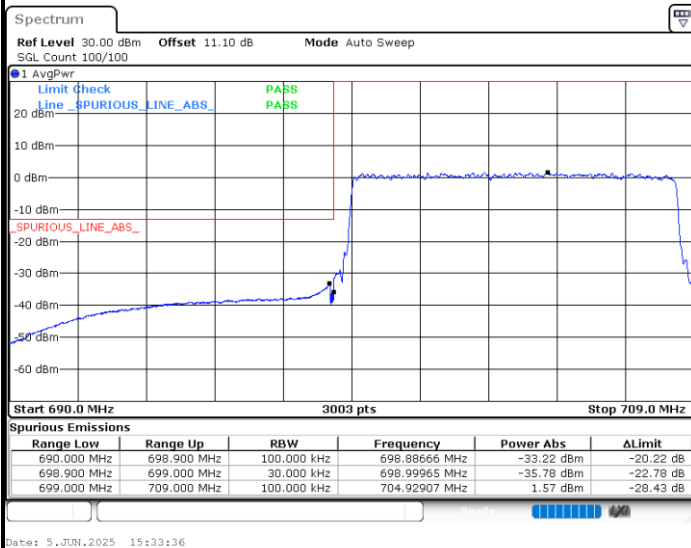


Highest Band Edge / Full RB

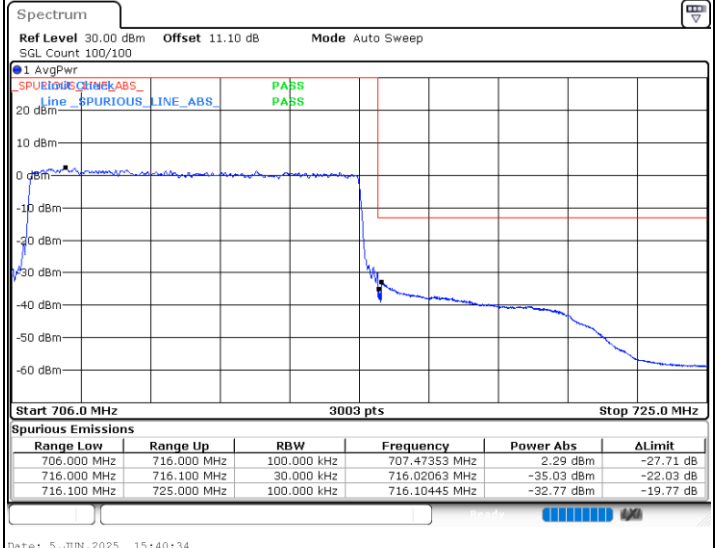


LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

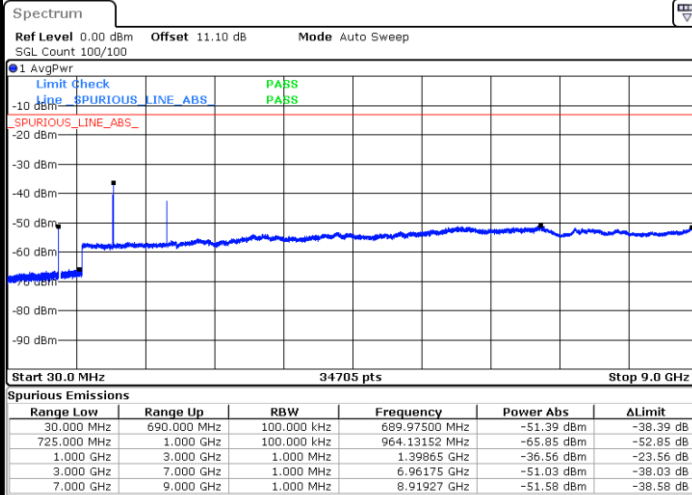




Conducted Spurious Emission

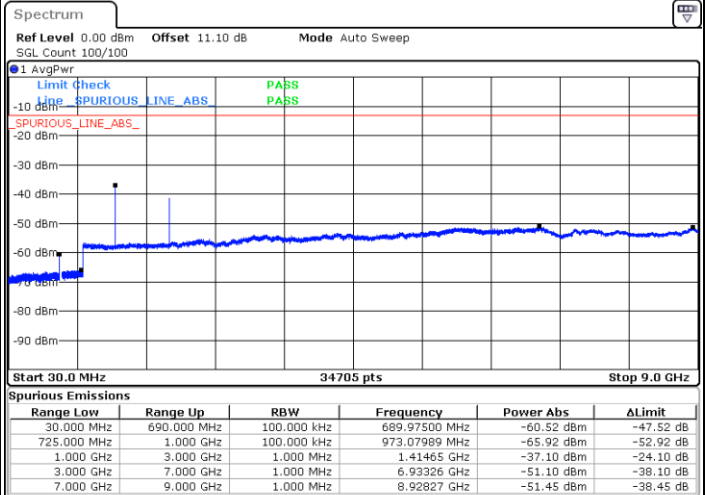
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



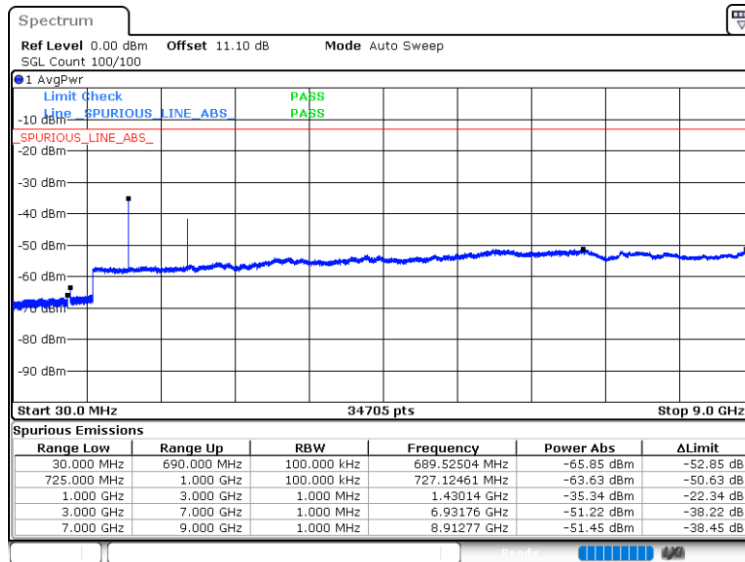
Date: 5.JUN.2025 16:21:37

Middle Channel / QPSK



Date: 5.JUN.2025 16:23:38

Highest Channel / QPSK

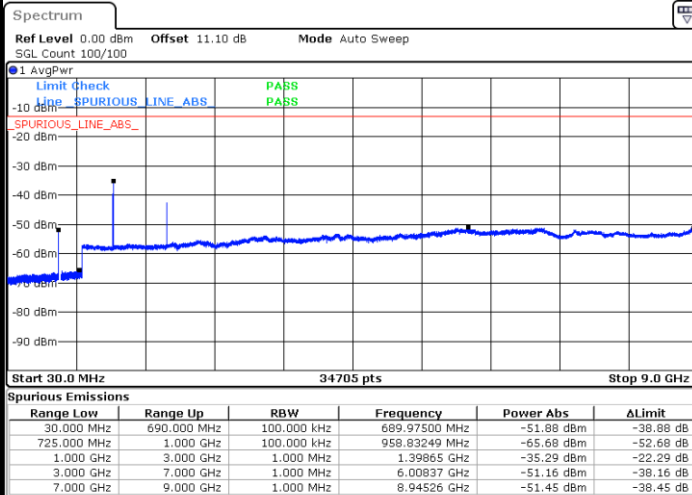


Date: 5.JUN.2025 16:25:30



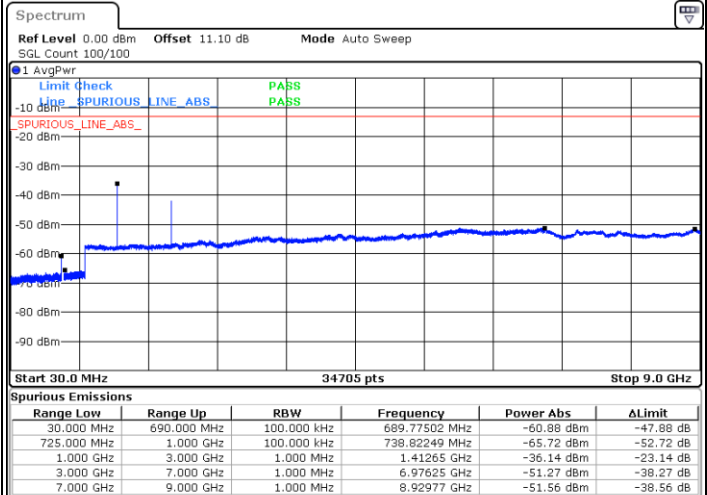
LTE Band 12 / 3MHz

Lowest Channel / QPSK



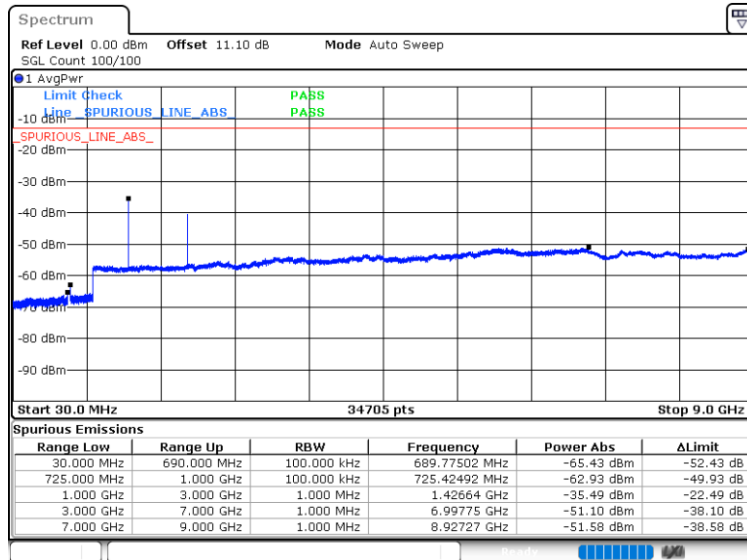
Date: 5.JUN.2025 16:27:28

Middle Channel / QPSK



Date: 5.JUN.2025 16:29:18

Highest Channel / QPSK

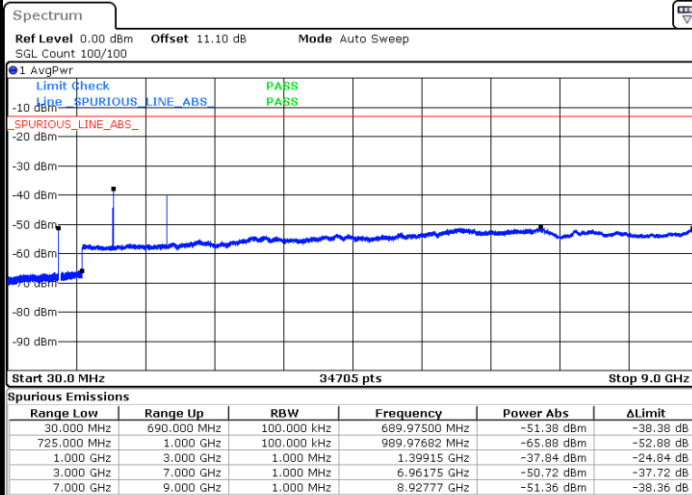


Date: 5.JUN.2025 16:31:02



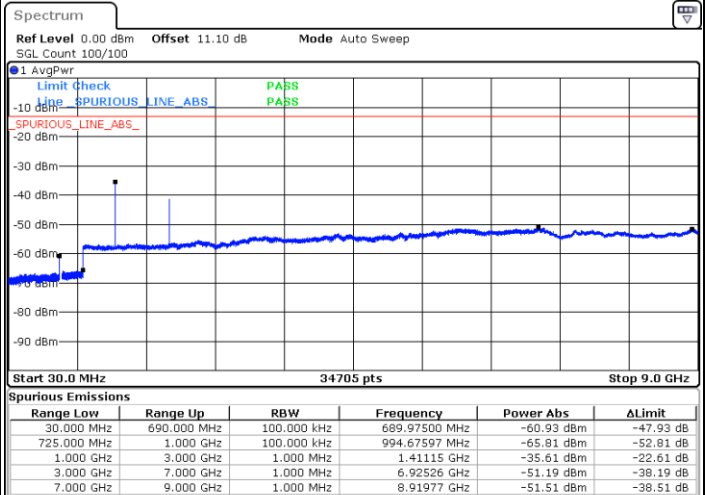
LTE Band 12 / 5MHz

Lowest Channel / QPSK



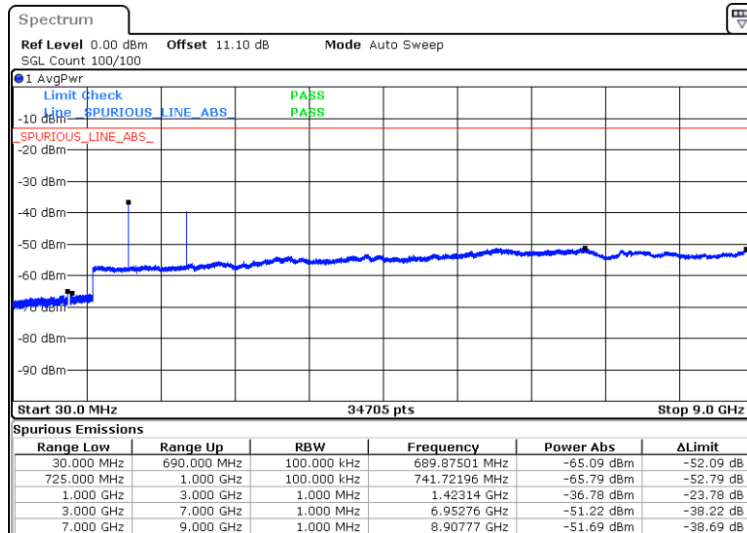
Date: 5.JUN.2025 16:33:09

Middle Channel / QPSK



Date: 5.JUN.2025 16:35:05

Highest Channel / QPSK

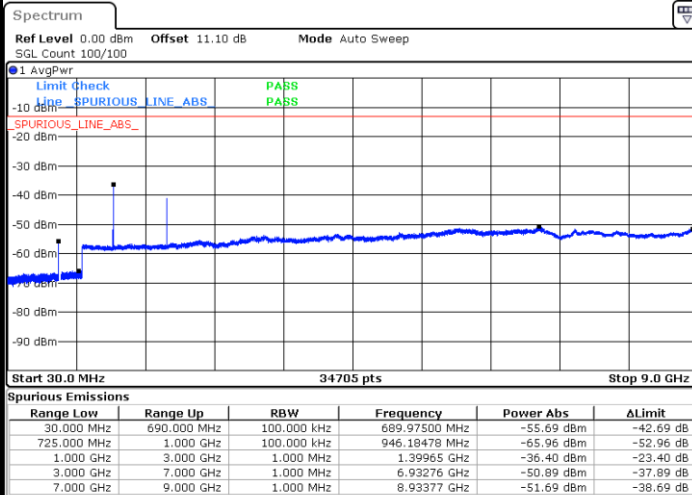


Date: 5.JUN.2025 16:36:54



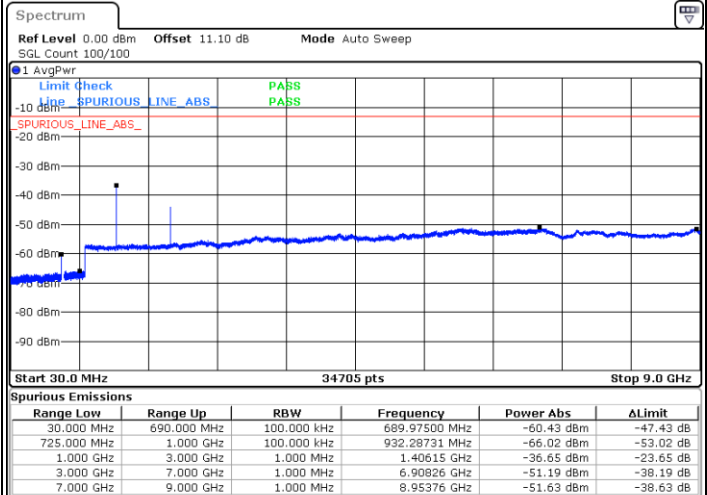
LTE Band 12 / 10MHz

Lowest Channel / QPSK



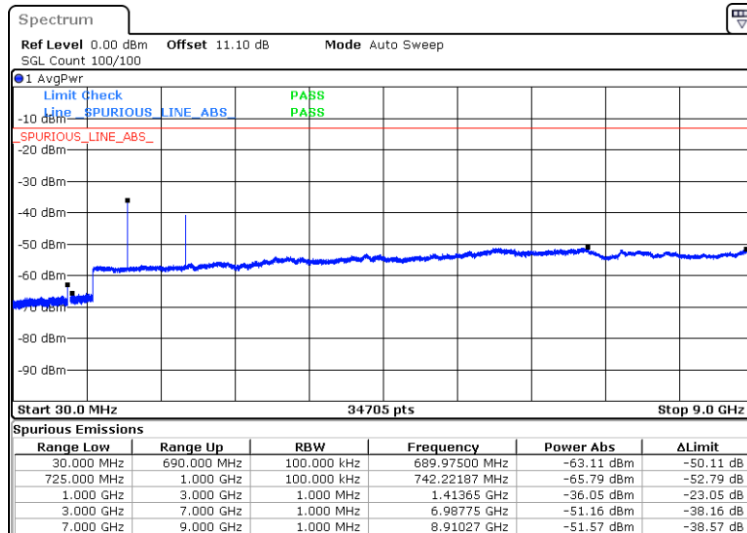
Date: 5.JUN.2025 16:39:00

Middle Channel / QPSK



Date: 5.JUN.2025 16:40:57

Highest Channel / QPSK



Date: 5.JUN.2025 16:42:45

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0086	PASS
40	Normal Voltage	0.0140	
30	Normal Voltage	0.0119	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0031	
0	Normal Voltage	0.0099	
-10	Normal Voltage	0.0154	
-20	Normal Voltage	0.0068	
-30	Normal Voltage	0.0154	
20	Maximum Voltage	0.0088	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0064	

Note:

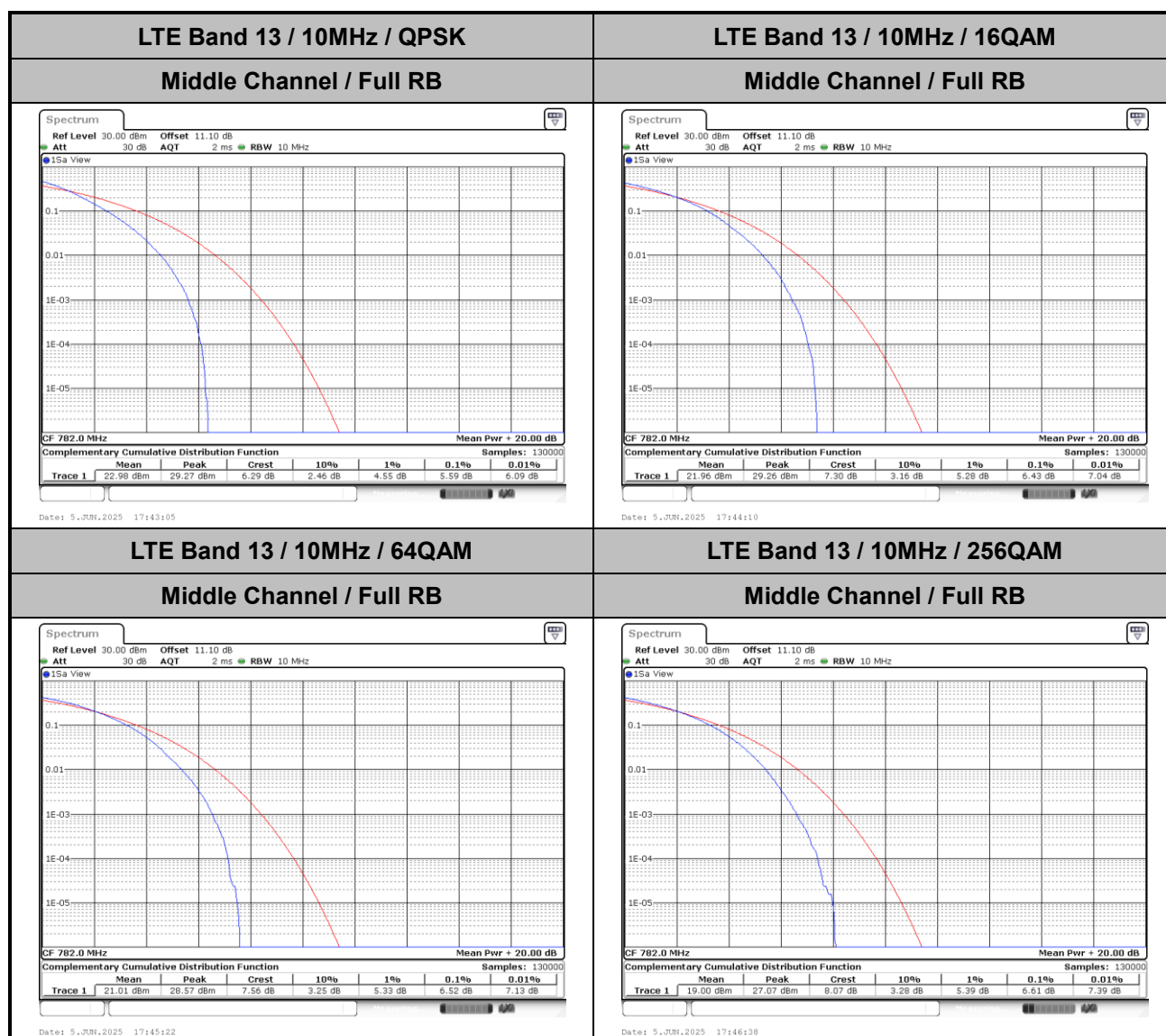
1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.59	6.43	6.52	6.61	PASS



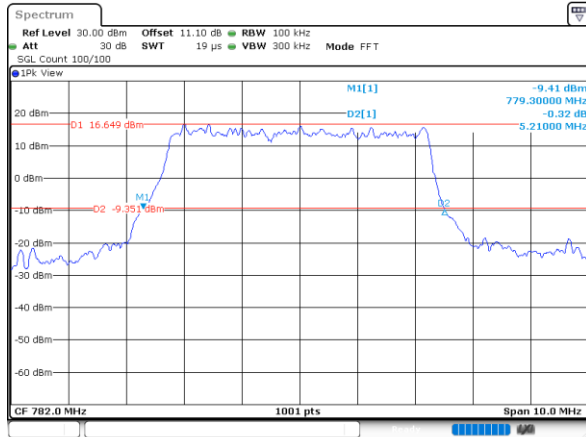
**26dB Bandwidth**

Mode	LTE Band 13 : 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	-	-	-	-	5.21	5.14	9.78	9.66	-	-	-	-
Mode	LTE Band 13 : 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	-	-	-	-	5.23	5.32	9.74	10.12	-	-	-	-



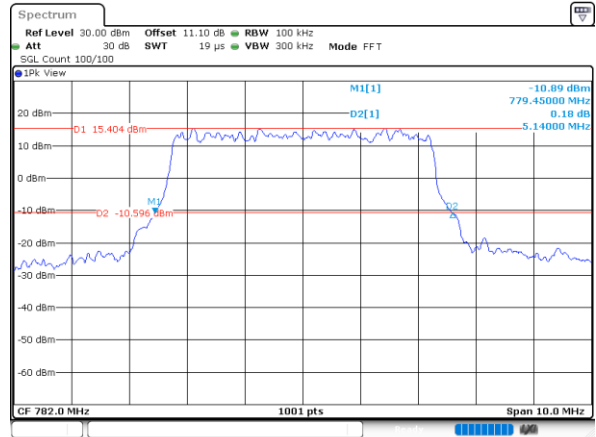
LTE Band 13

Middle Channel / 5MHz / QPSK



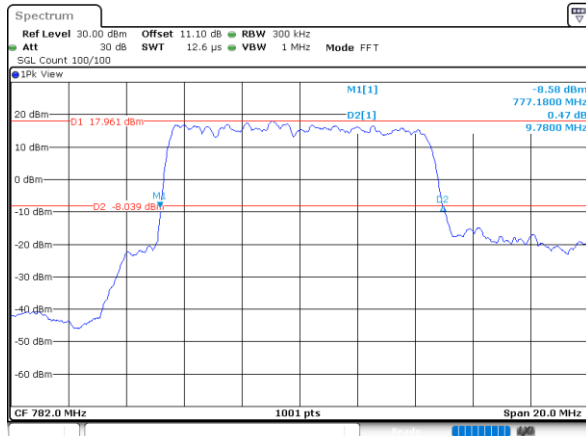
Date: 5 JUN 2025 17:33:53

Middle Channel / 5MHz / 16QAM



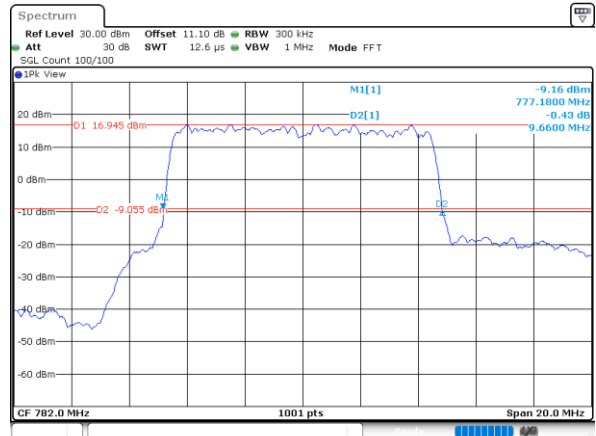
Date: 5 JUN 2025 17:34:53

Middle Channel / 10MHz / QPSK



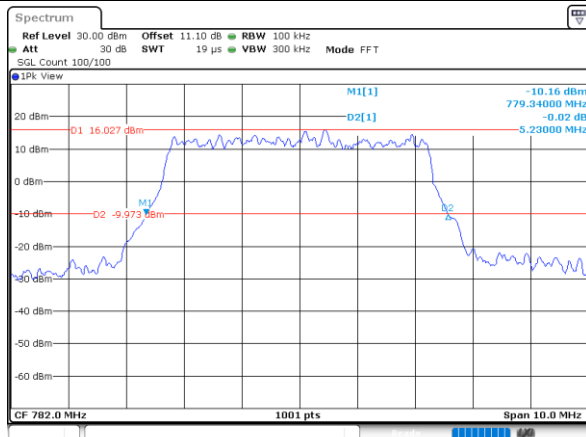
Date: 5 JUN 2025 17:38:29

Middle Channel / 10MHz / 16QAM



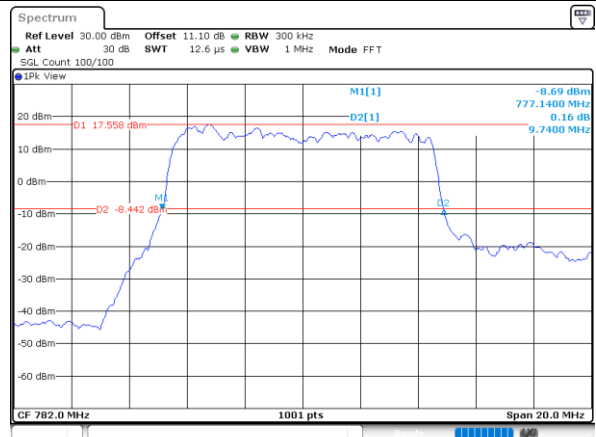
Date: 5 JUN 2025 17:39:40

Middle Channel / 5MHz / 64QAM



Date: 5 JUN 2025 17:35:57

Middle Channel / 10MHz / 64QAM

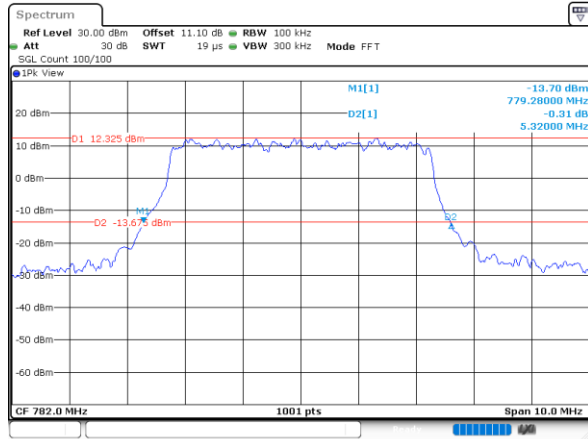


Date: 5 JUN 2025 17:40:53



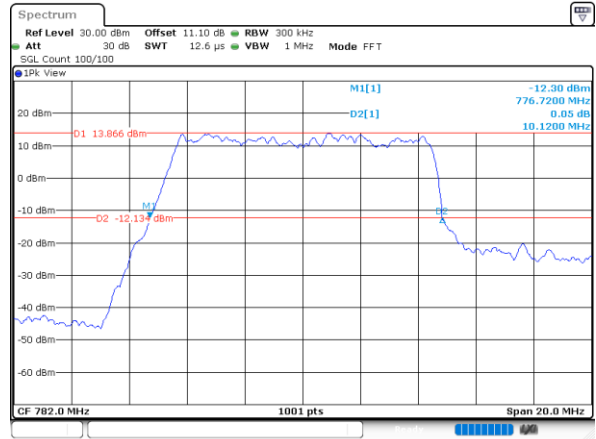
LTE Band 13

Middle Channel / 5MHz / 256QAM



Date: 5 JUN 2025 17:37:12

Middle Channel / 10MHz / 256QAM



Date: 5 JUN 2025 17:41:57

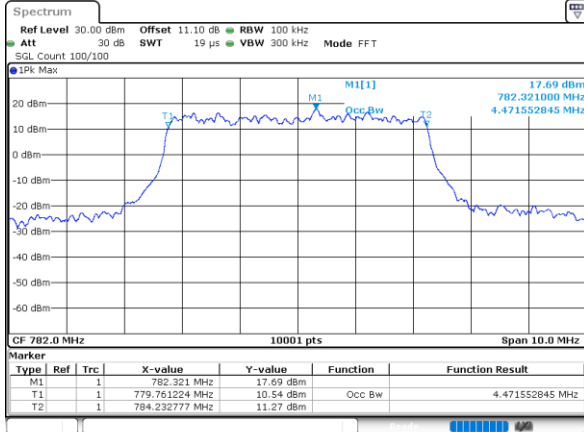
**Occupied Bandwidth**

Mode	LTE Band 13 : 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	-	-	-	-	4.47	4.49	9.03	9.04	-	-	-	-
Mode	LTE Band 13 : 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	-	-	-	-	4.50	4.49	9.01	9.03	-	-	-	-



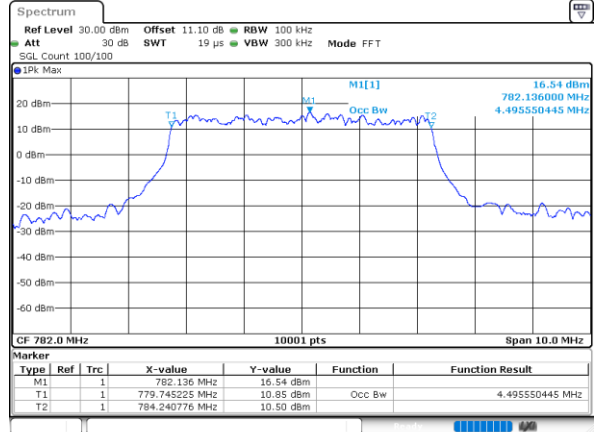
LTE Band 13

Middle Channel / 5MHz / QPSK



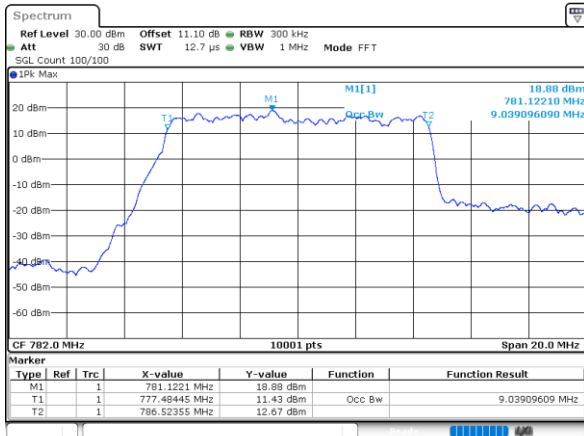
Date: 5 JUN 2025 17:25:14

Middle Channel / 5MHz / 16QAM



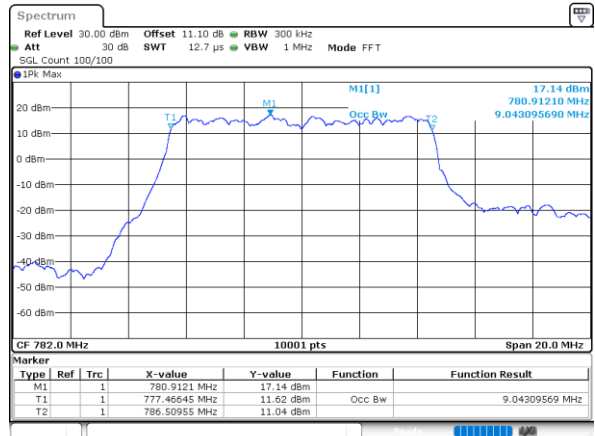
Date: 5 JUN 2025 17:26:34

Middle Channel / 10MHz / QPSK



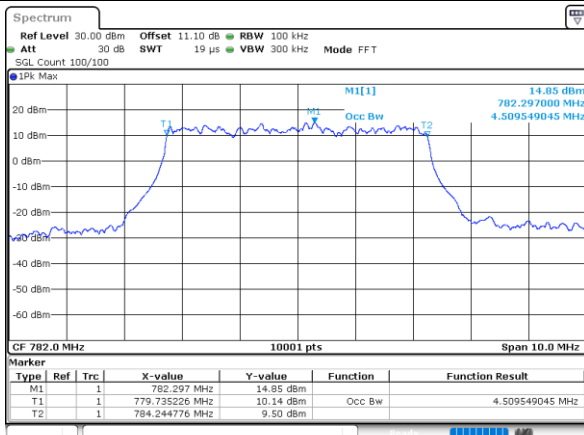
Date: 5 JUN 2025 17:28:51

Middle Channel / 10MHz / 16QAM



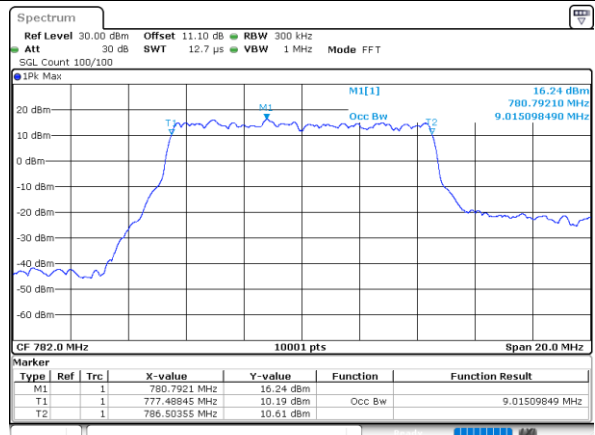
Date: 5 JUN 2025 17:30:48

Middle Channel / 5MHz / 64QAM



Date: 5 JUN 2025 17:27:31

Middle Channel / 10MHz / 64QAM

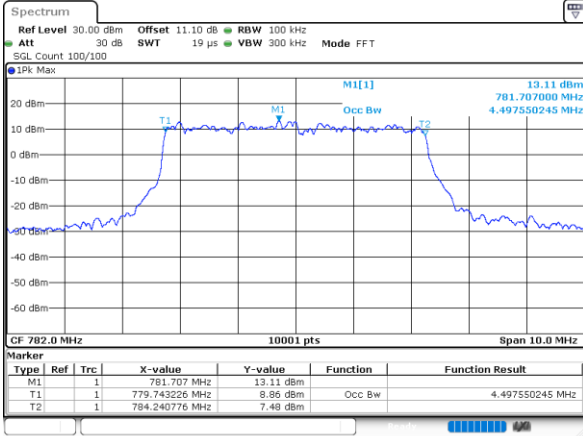


Date: 5 JUN 2025 17:31:39

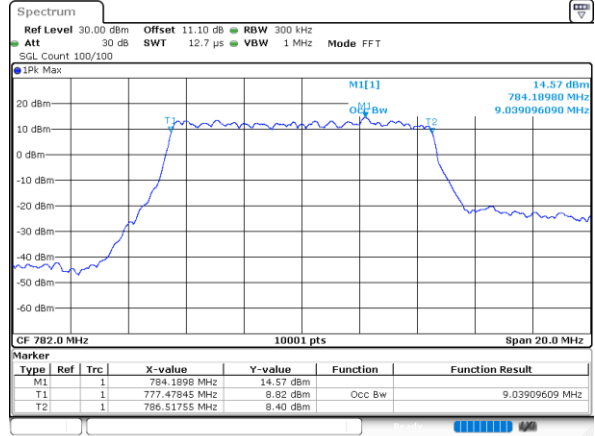


LTE Band 13

Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM

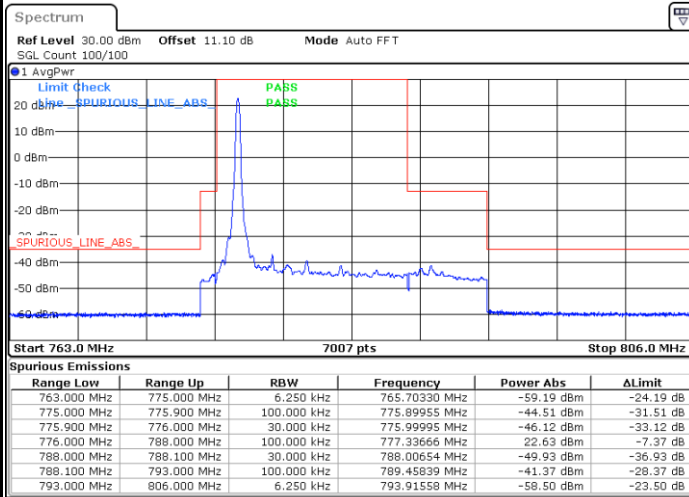




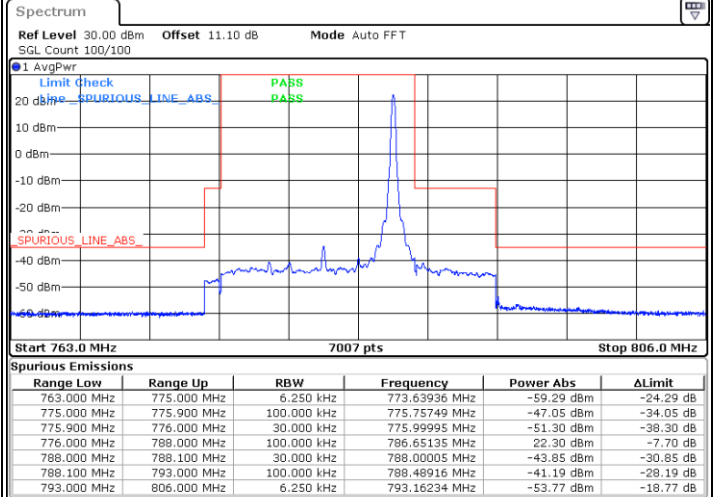
Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

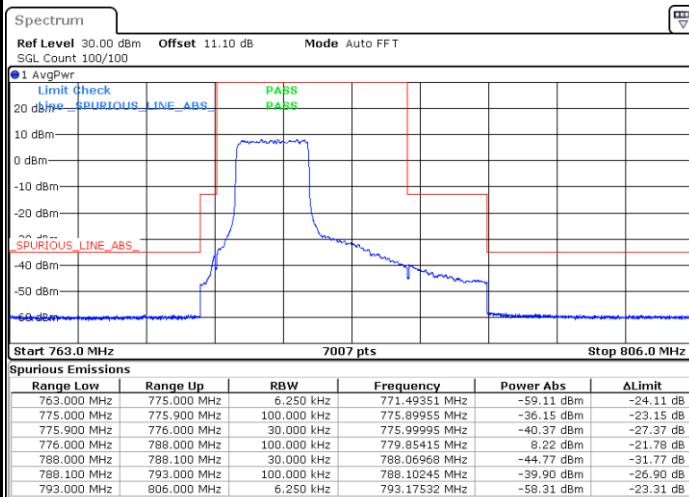
Lowest Band Edge / 1 RB



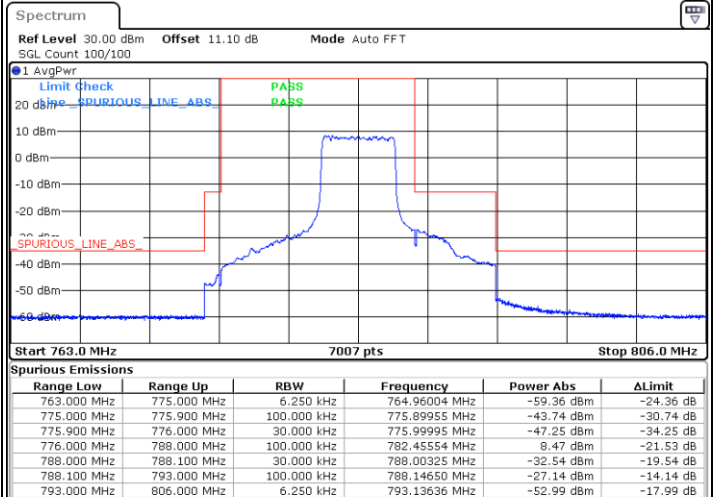
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



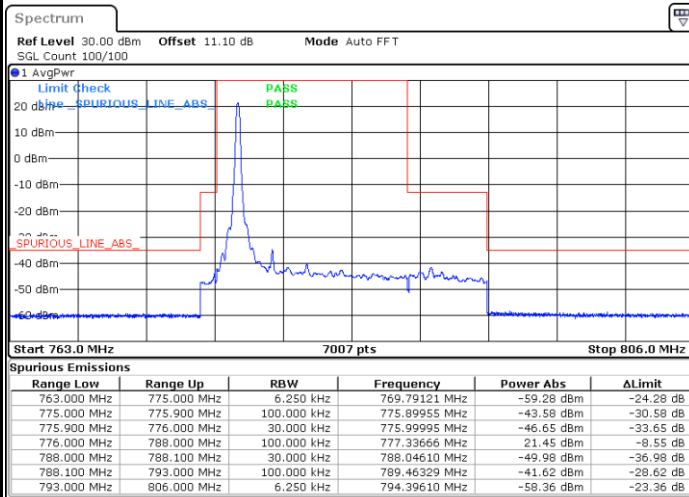
Highest Band Edge / Full RB





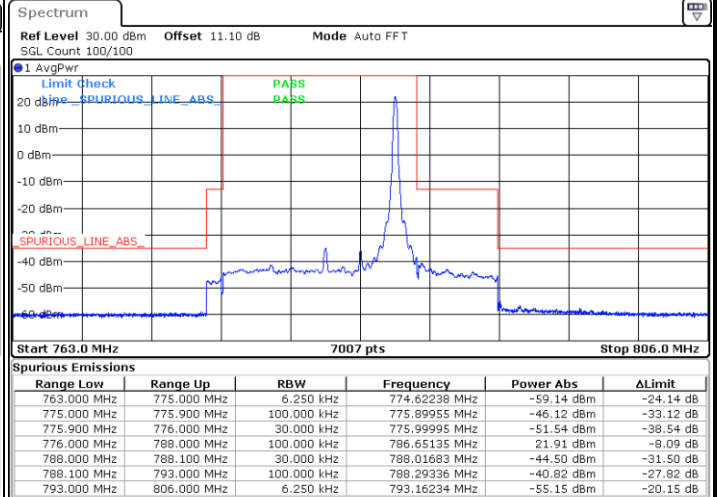
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



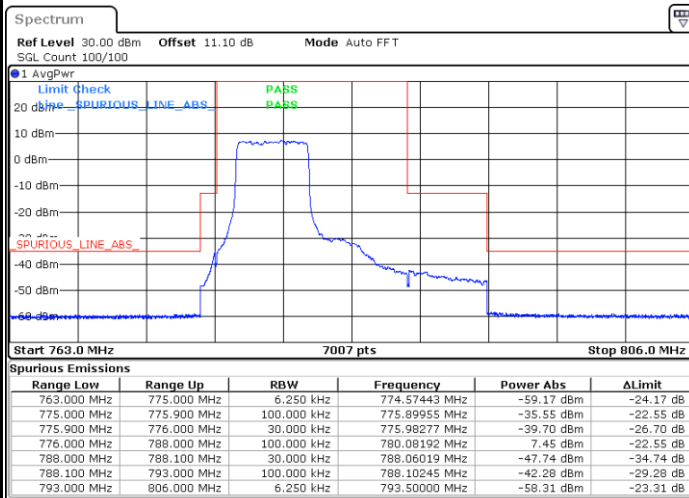
Date: 5 JUN. 2025 16:59:29

Highest Band Edge / 1 RB



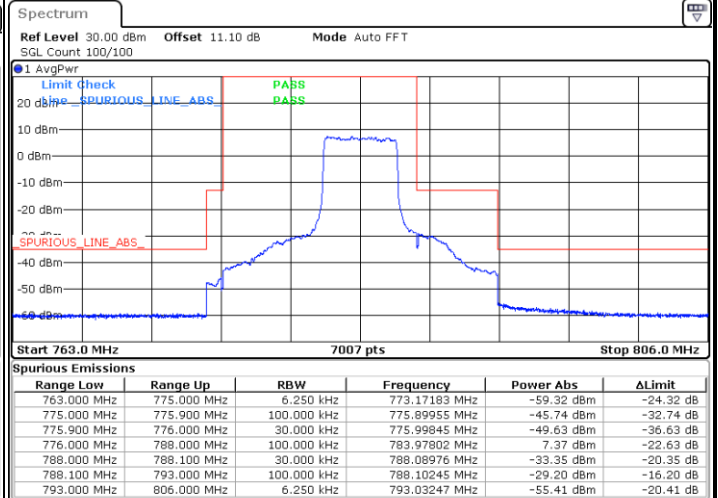
Date: 5 JUN. 2025 17:13:55

Lowest Band Edge / Full RB



Date: 5 JUN. 2025 16:52:32

Highest Band Edge / Full RB

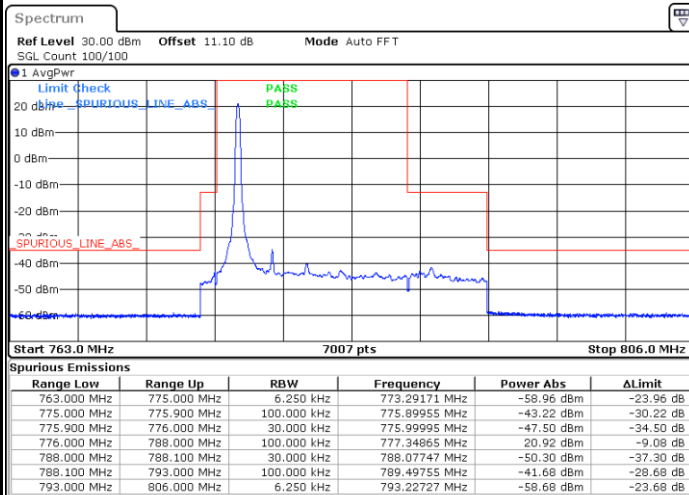


Date: 5 JUN. 2025 17:06:38



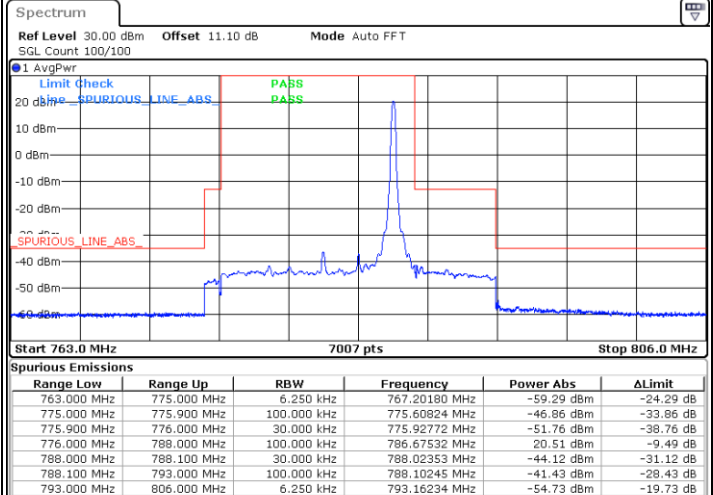
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



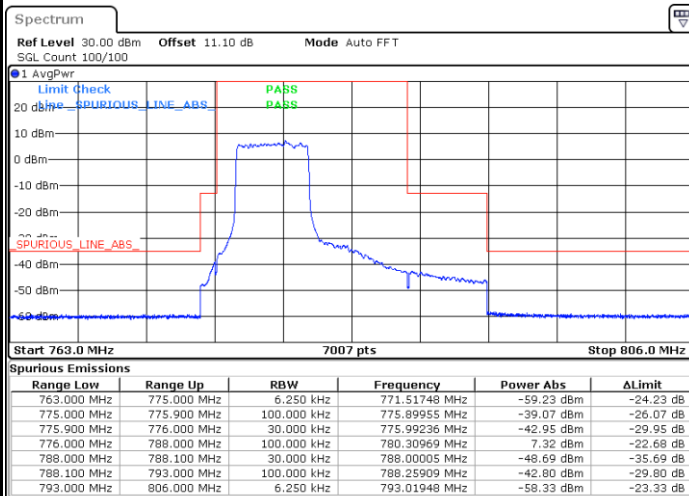
Date: 5 JUN. 2025 17:01:14

Highest Band Edge / 1 RB



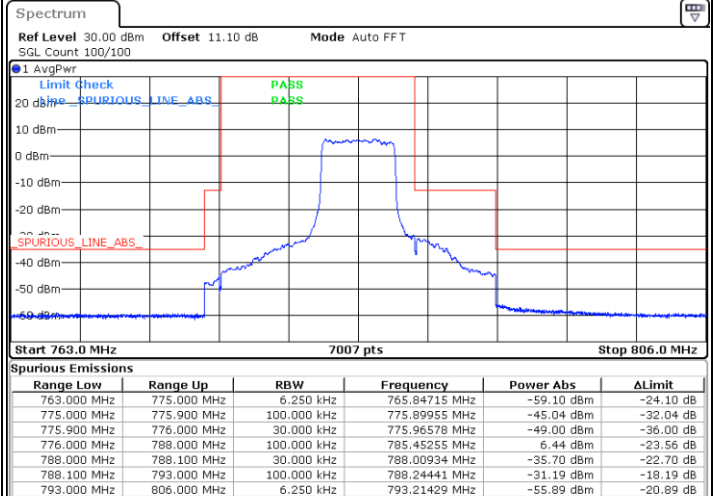
Date: 5 JUN. 2025 17:15:33

Lowest Band Edge / Full RB



Date: 5 JUN. 2025 16:54:15

Highest Band Edge / Full RB

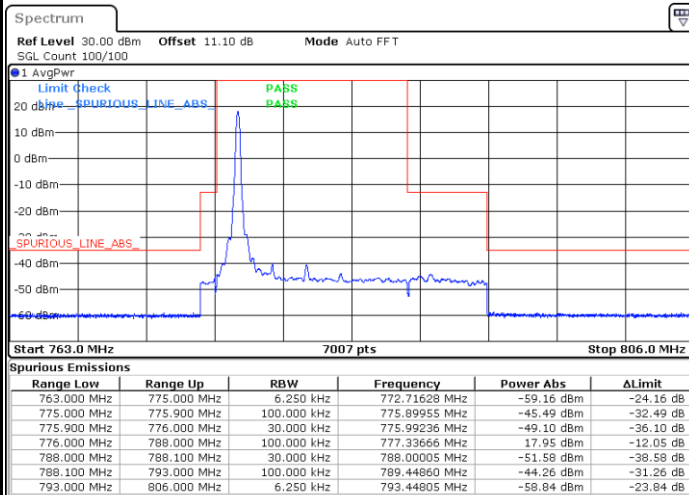


Date: 5 JUN. 2025 17:08:27



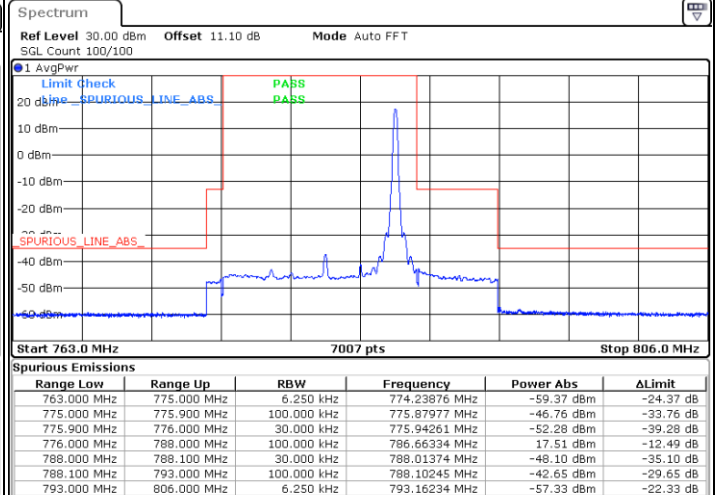
LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



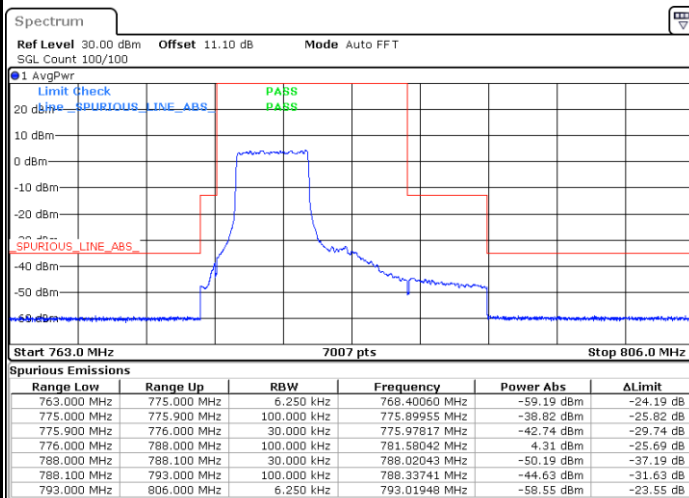
Date: 5 JUN. 2025 17:03:05

Highest Band Edge / 1 RB



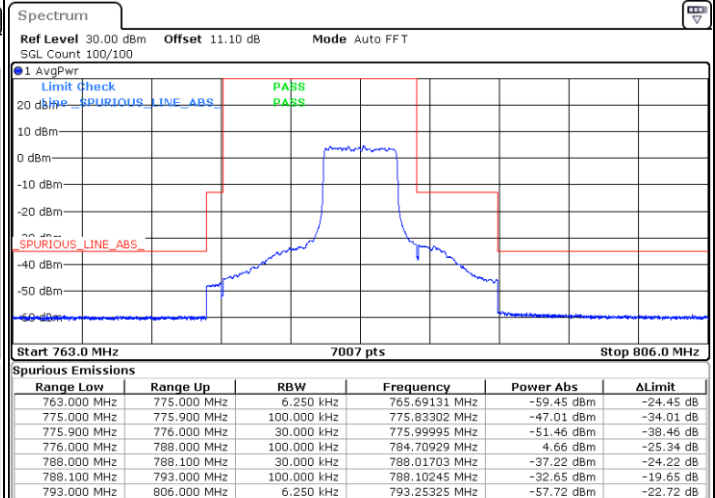
Date: 5 JUN. 2025 17:17:11

Lowest Band Edge / Full RB



Date: 5 JUN. 2025 16:56:06

Highest Band Edge / Full RB

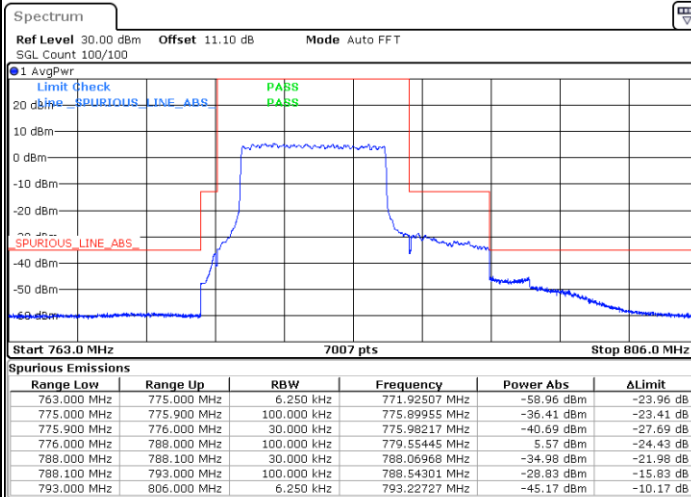


Date: 5 JUN. 2025 17:10:16



LTE Band 13 / 10MHz / QPSK

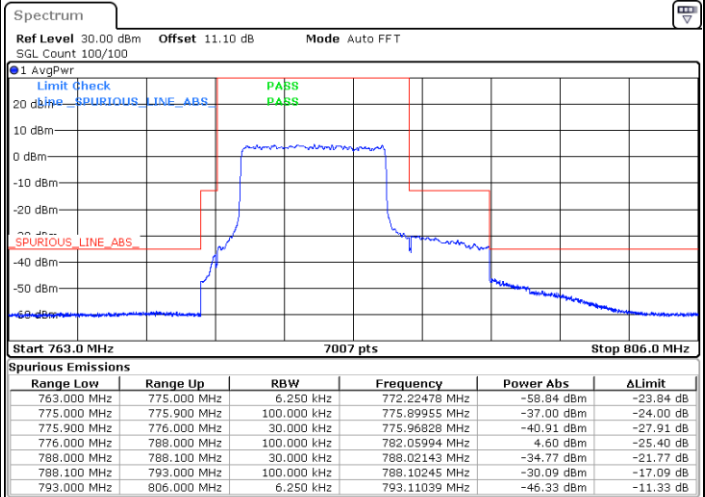
Band Edge / Full RB



Date: 5 JUN 2025 17:18:59

LTE Band 13 / 10MHz / 16QAM

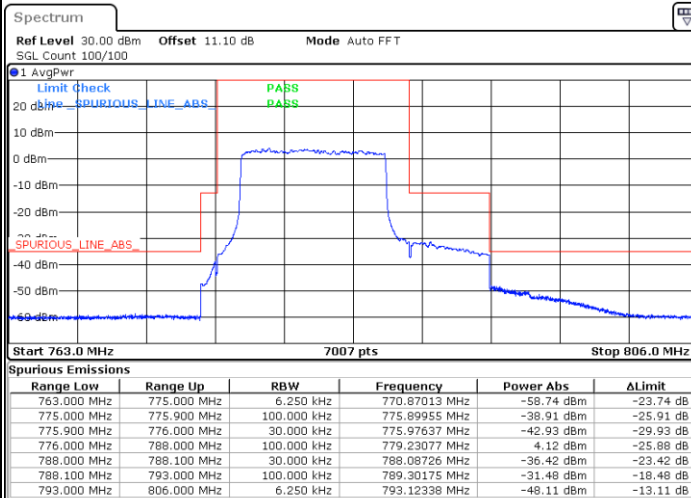
Band Edge / Full RB



Date: 5 JUN 2025 17:20:53

LTE Band 13 / 10MHz / 64QAM

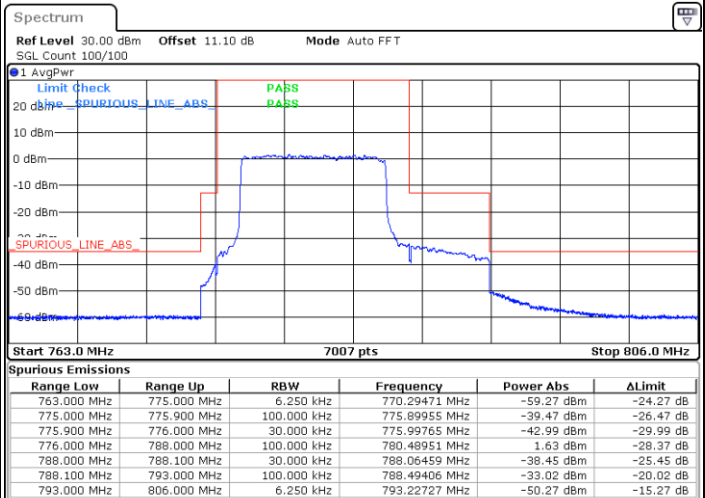
Band Edge / Full RB



Date: 5 JUN 2025 17:22:26

LTE Band 13 / 10MHz / 256QAM

Band Edge / Full RB

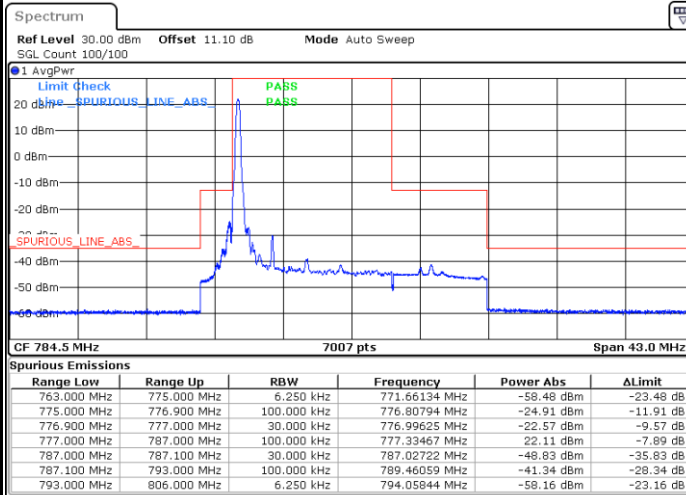


Date: 5 JUN 2025 17:24:03



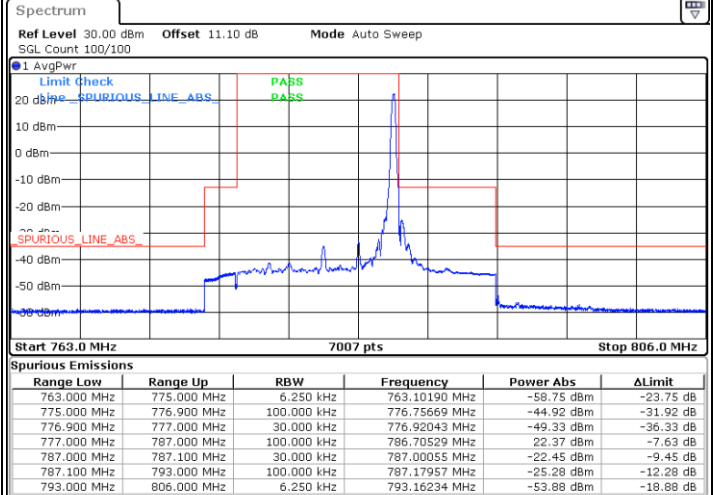
IC LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



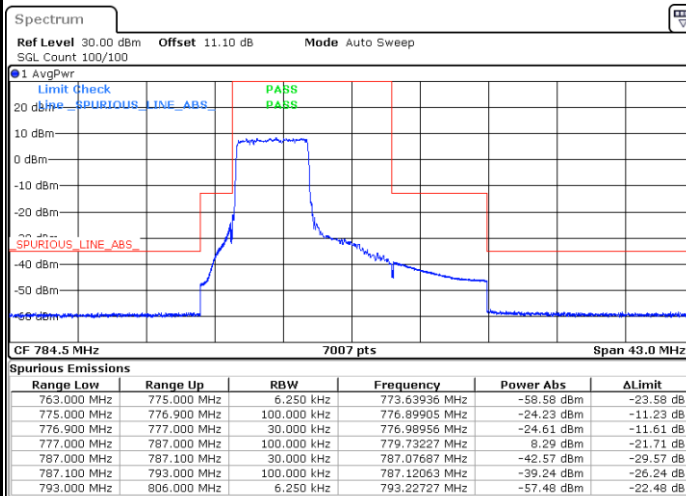
Date: 10.JUN.2025 10:11:00

Highest Band Edge / 1 RB



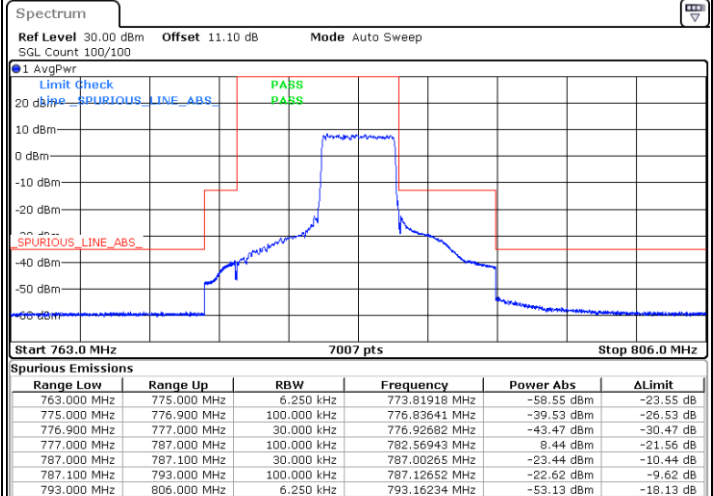
Date: 10.JUN.2025 10:24:29

Lowest Band Edge / Full RB



Date: 10.JUN.2025 10:04:37

Highest Band Edge / Full RB

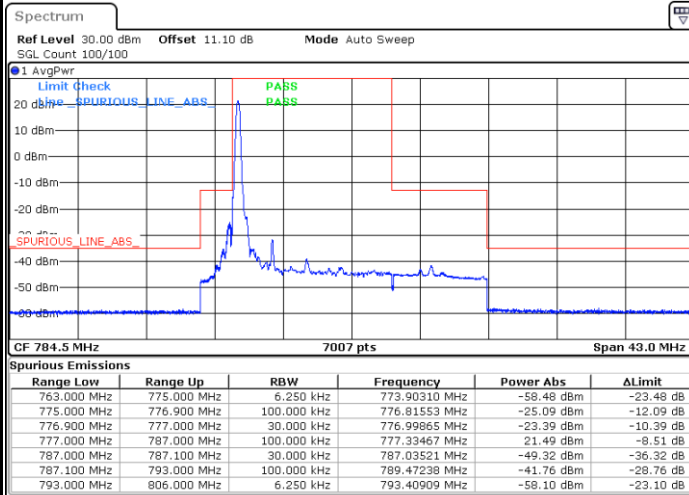


Date: 10.JUN.2025 10:17:44



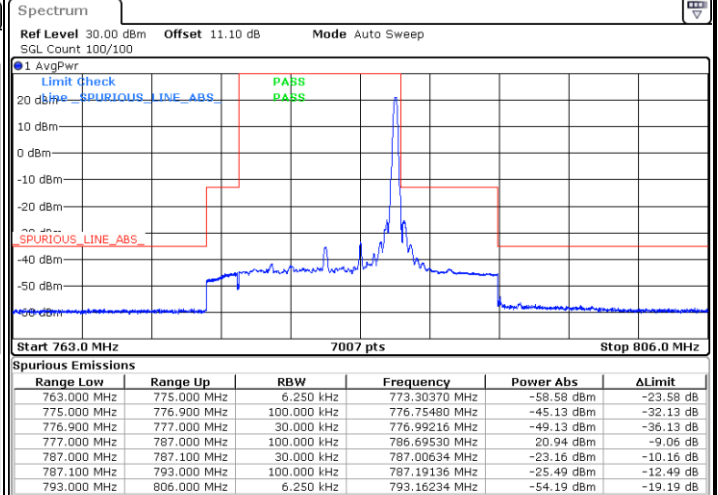
IC LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



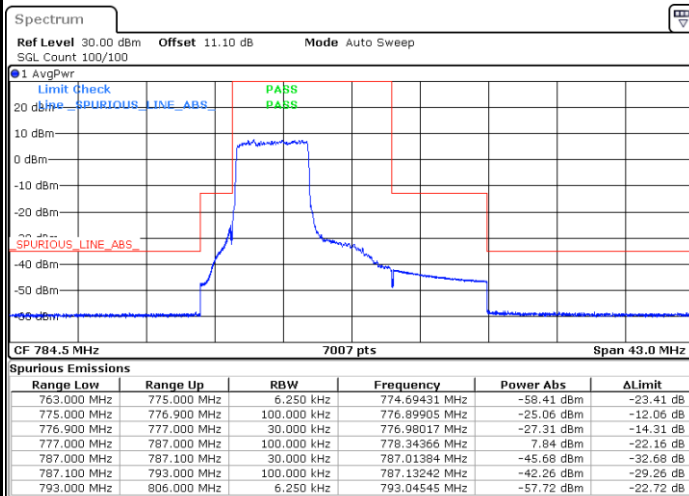
Date: 10.JUN.2025 10:12:43

Highest Band Edge / 1 RB



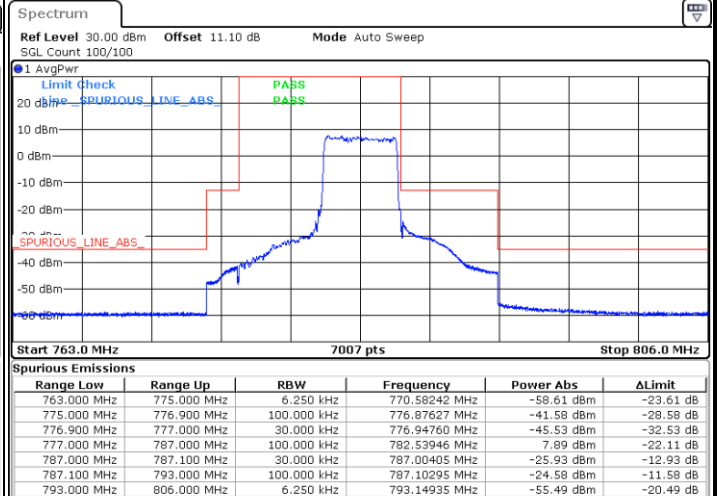
Date: 10.JUN.2025 10:26:06

Lowest Band Edge / Full RB



Date: 10.JUN.2025 10:06:21

Highest Band Edge / Full RB

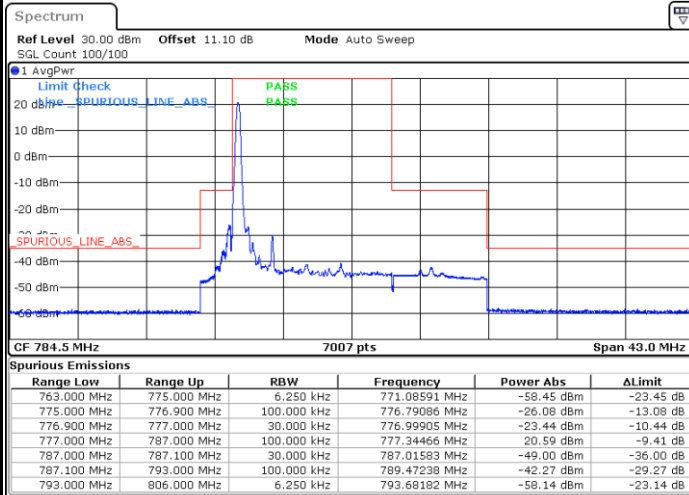


Date: 10.JUN.2025 10:19:26



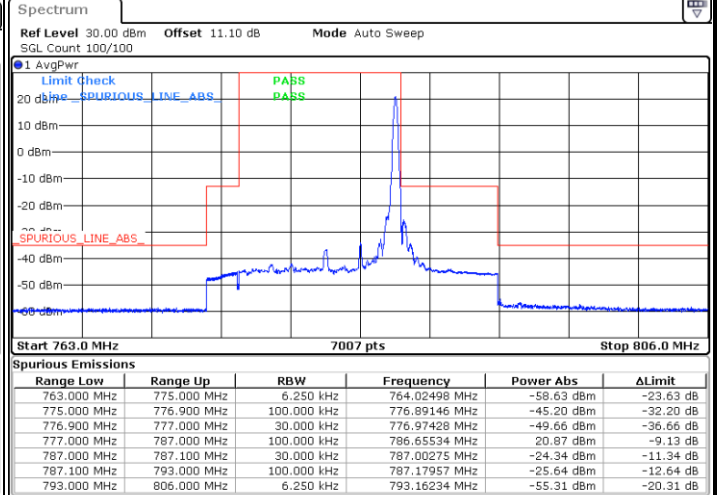
IC LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



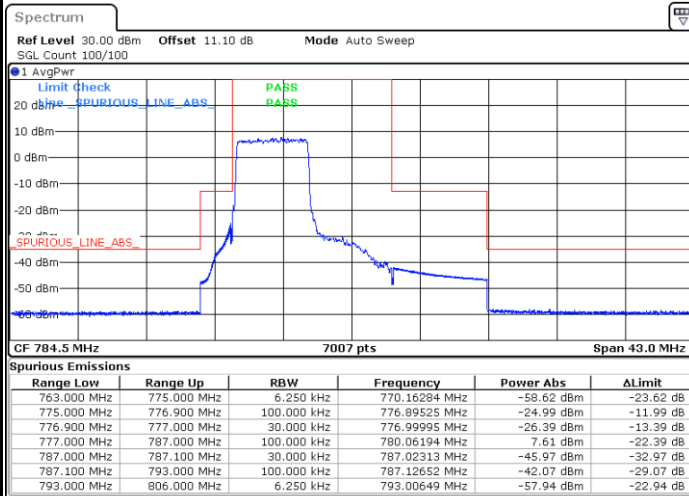
Date: 10.JUN.2025 10:14:22

Highest Band Edge / 1 RB



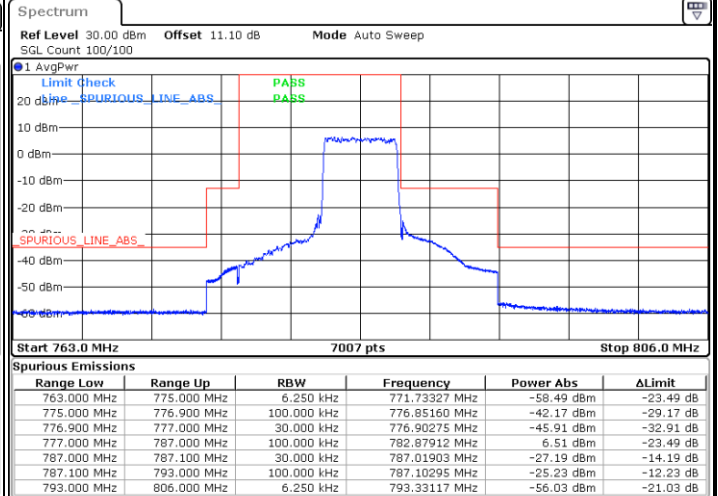
Date: 10.JUN.2025 10:27:37

Lowest Band Edge / Full RB



Date: 10.JUN.2025 10:07:55

Highest Band Edge / Full RB

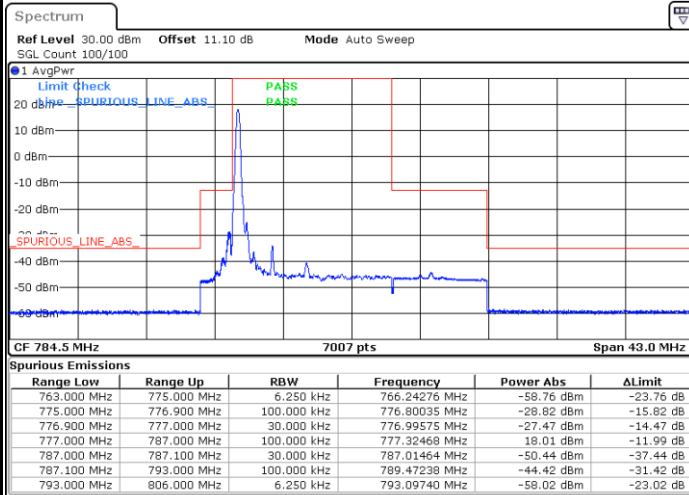


Date: 10.JUN.2025 10:21:06



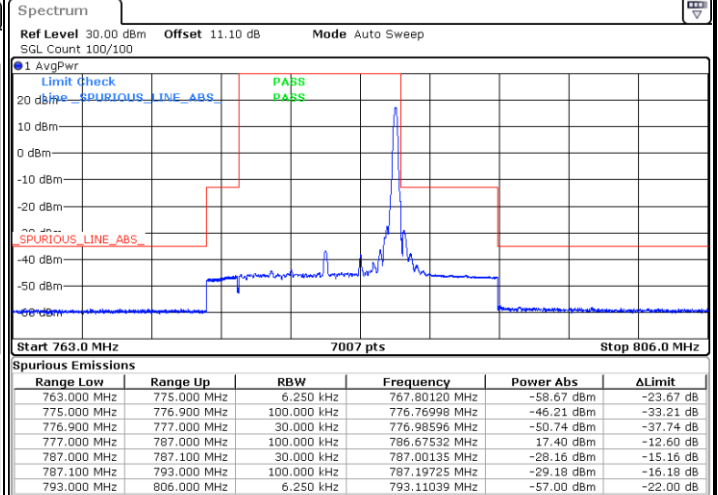
IC LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



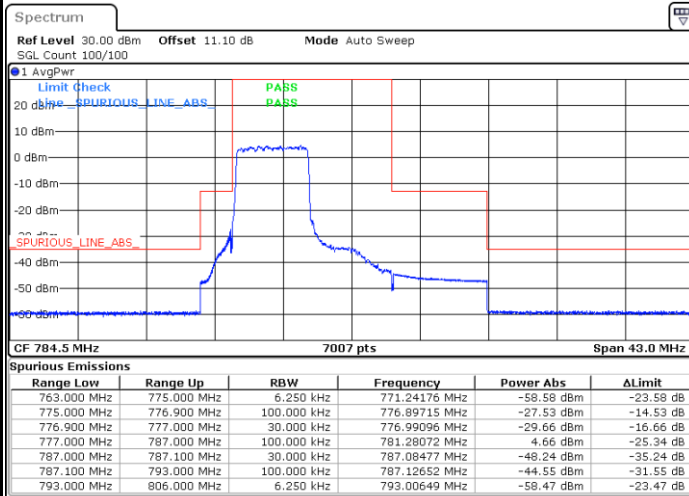
Date: 10.JUN.2025 10:16:00

Highest Band Edge / 1 RB



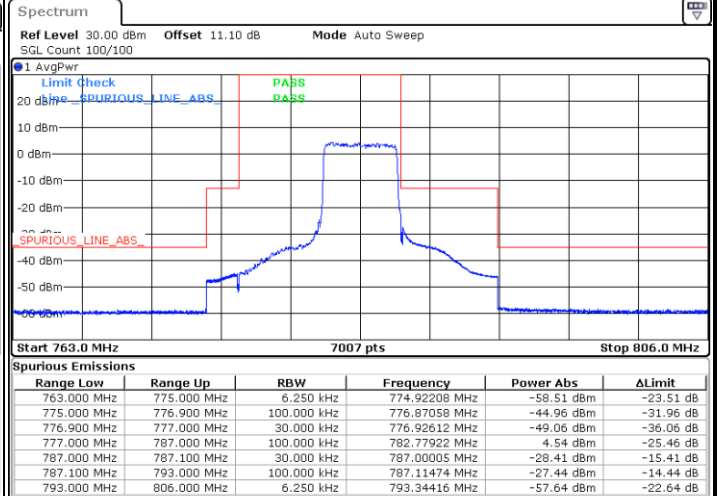
Date: 10.JUN.2025 10:29:10

Lowest Band Edge / Full RB



Date: 10.JUN.2025 10:09:28

Highest Band Edge / Full RB

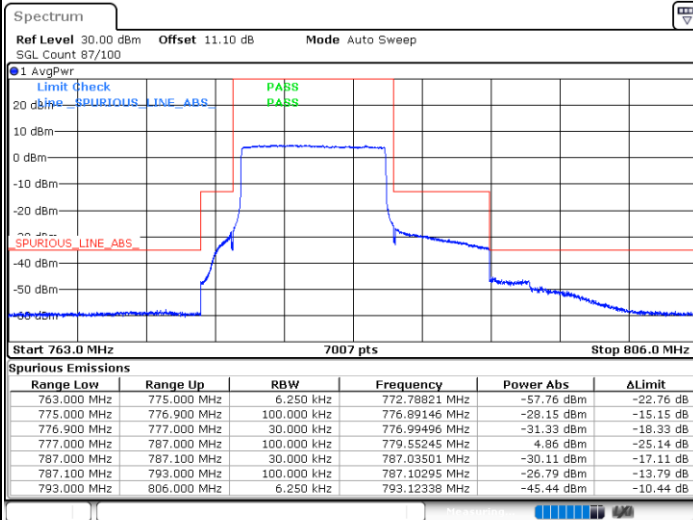


Date: 10.JUN.2025 10:22:48



IC LTE Band 13 / 10MHz / QPSK

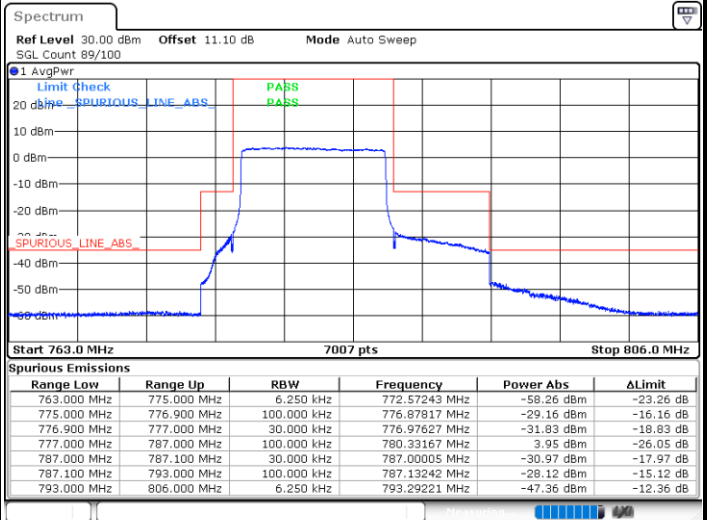
Band Edge / Full RB



Date: 10.JUN.2025 10:44:42

IC LTE Band 13 / 10MHz / 16QAM

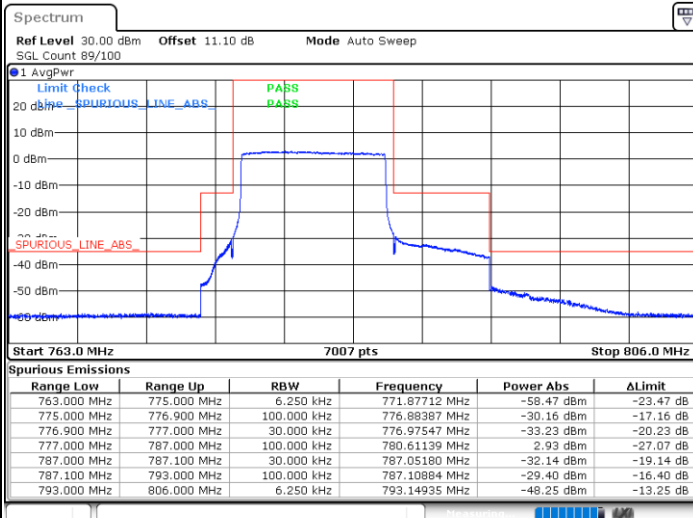
Band Edge / Full RB



Date: 10.JUN.2025 10:46:32

IC LTE Band 13 / 10MHz / 64QAM

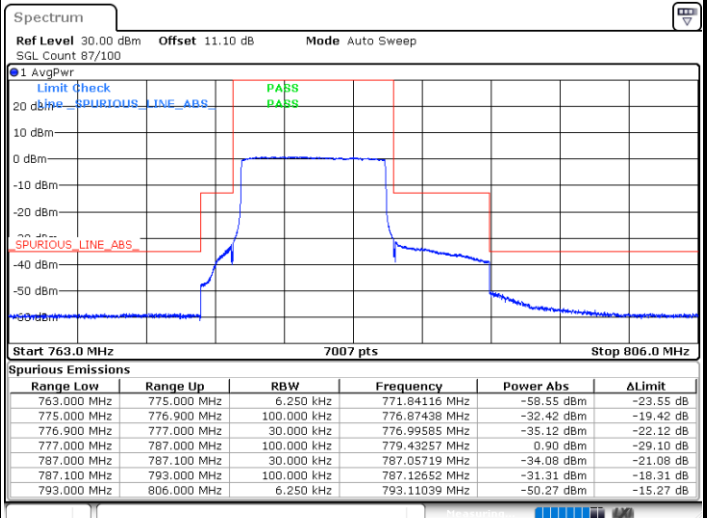
Band Edge / Full RB



Date: 10.JUN.2025 10:48:19

IC LTE Band 13 / 10MHz / 256QAM

Band Edge / Full RB



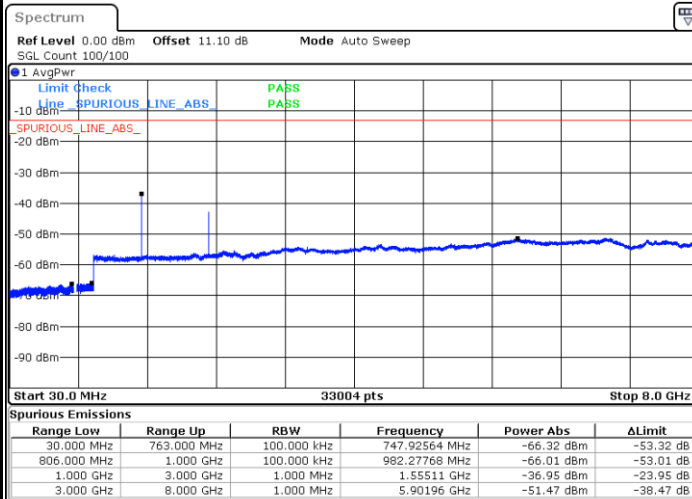
Date: 10.JUN.2025 10:50:09



Conducted Spurious Emission

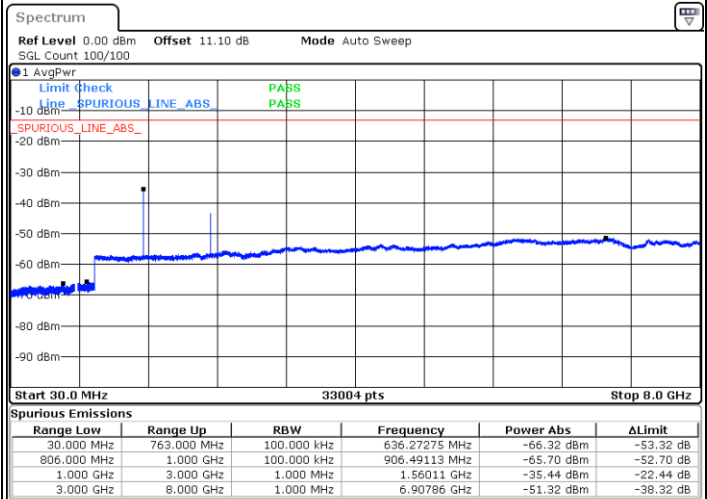
LTE Band 13 / 5MHz

Lowest Channel / QPSK



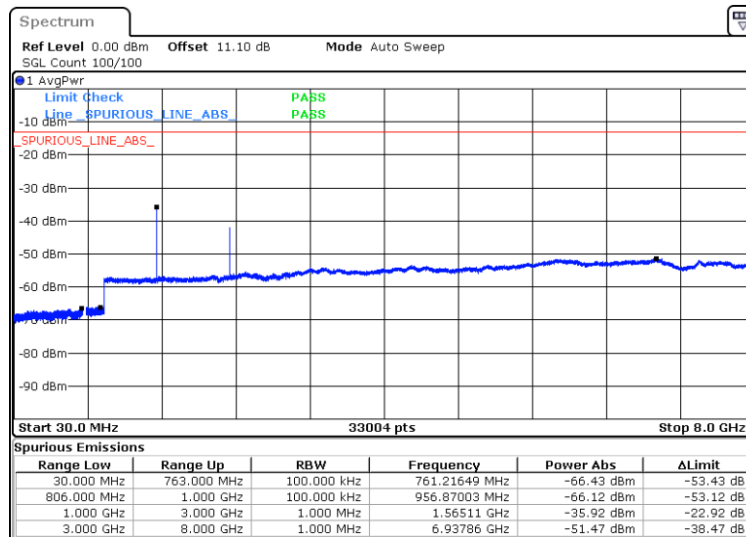
Date: 5.JUN.2025 17:48:40

Middle Channel / QPSK



Date: 5.JUN.2025 17:50:45

Highest Channel / QPSK

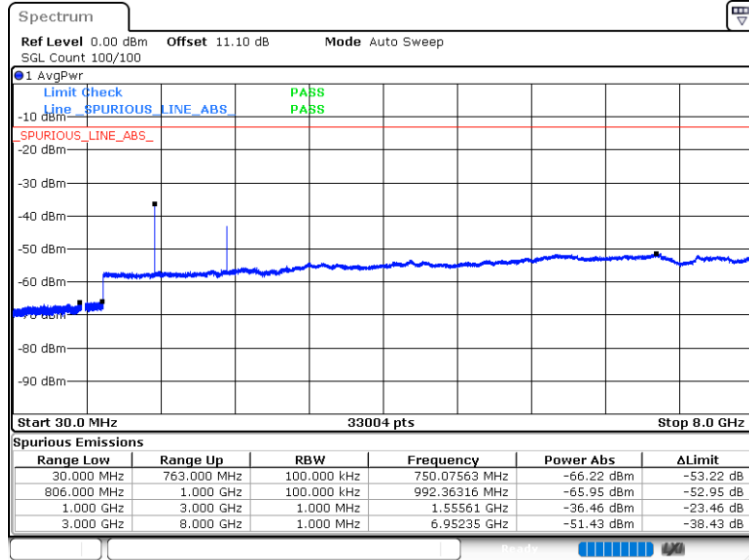


Date: 5.JUN.2025 17:52:43



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 5-JUN-2025 17:54:58

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	0.0156	PASS
40	Normal Voltage	0.0072	
30	Normal Voltage	0.0043	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0148	
0	Normal Voltage	0.0120	
-10	Normal Voltage	0.0134	
-20	Normal Voltage	0.0115	
-30	Normal Voltage	0.0075	
20	Maximum Voltage	0.0046	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0171	

Note:

1. Normal Voltage = 3.9 V. ; Minimum Voltage =3.6 V. ; Maximum Voltage =4.5 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	5.48	6.38	6.29	6.46	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	6.32	6.46	6.64	PASS

