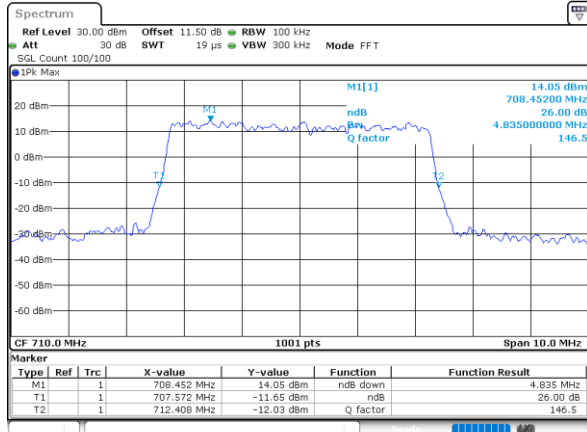




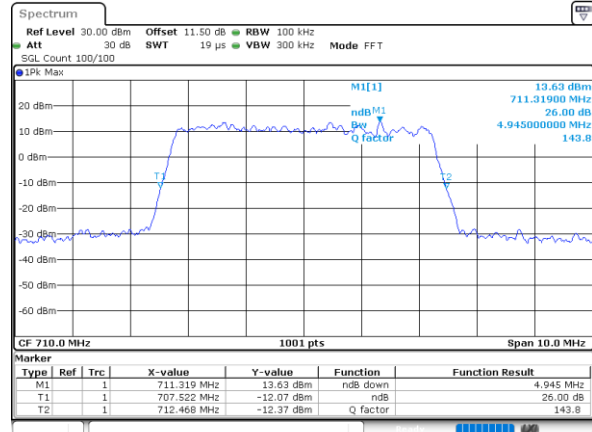
LTE Band 17

Middle Channel / 5MHz / QPSK



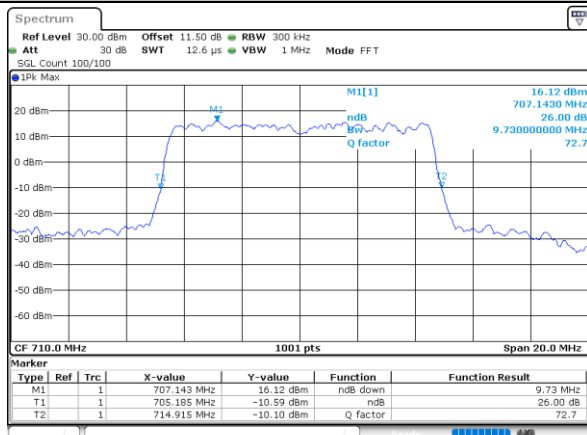
Date: 6.MAR.2025 11:02:36

Middle Channel / 5MHz / 16QAM



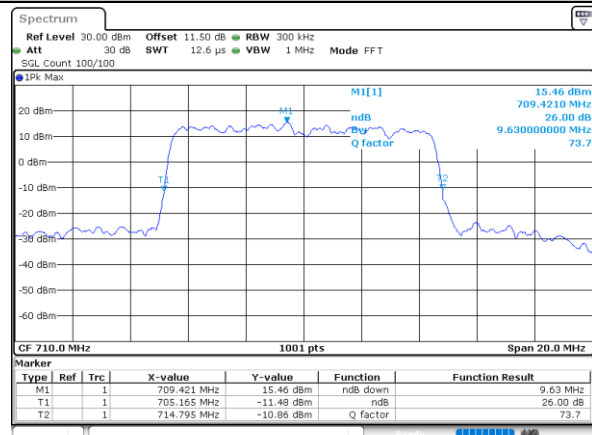
Date: 6.MAR.2025 11:02:59

Middle Channel / 10MHz / QPSK



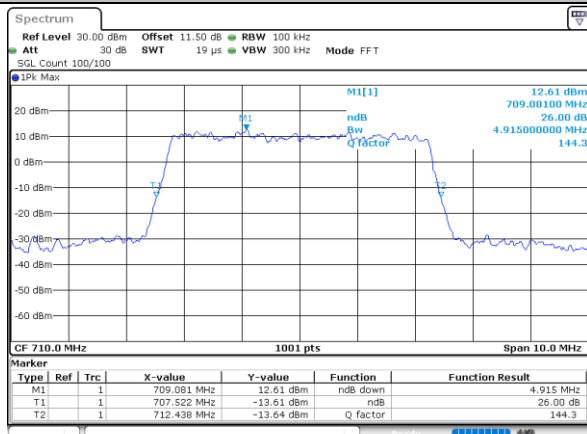
Date: 6.MAR.2025 11:03:45

Middle Channel / 10MHz / 16QAM



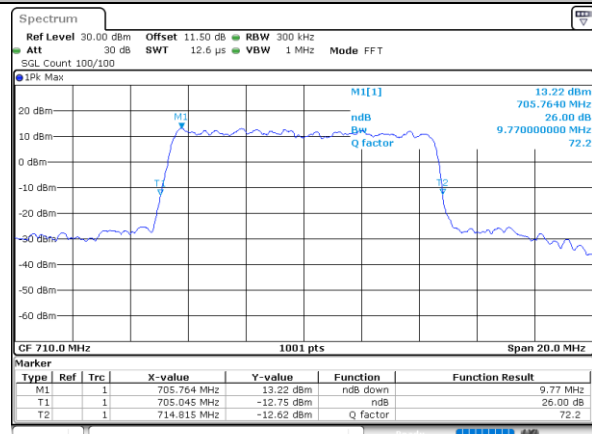
Date: 6.MAR.2025 11:04:07

Middle Channel / 5MHz / 64QAM



Date: 6.MAR.2025 11:03:21

Middle Channel / 10MHz / 64QAM



Date: 6.MAR.2025 11:04:30

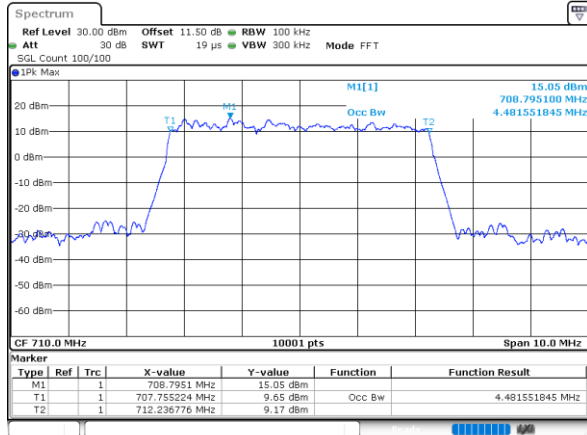
**Occupied Bandwidth**

Mode	LTE Band 17 : 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	4.45	9.01	9.01	-	-	-	-
Mode	LTE Band 17 : 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	-	8.94	-	-	-	-	-

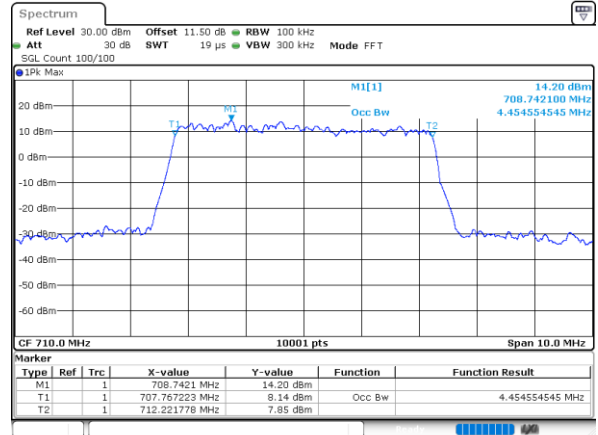


LTE Band 17

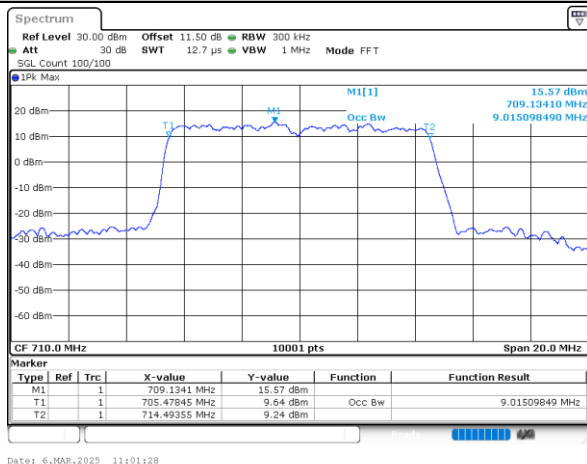
Middle Channel / 5MHz / QPSK



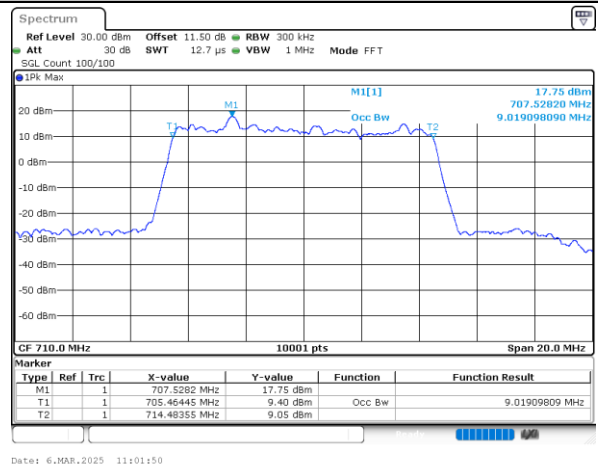
Middle Channel / 5MHz / 16QAM



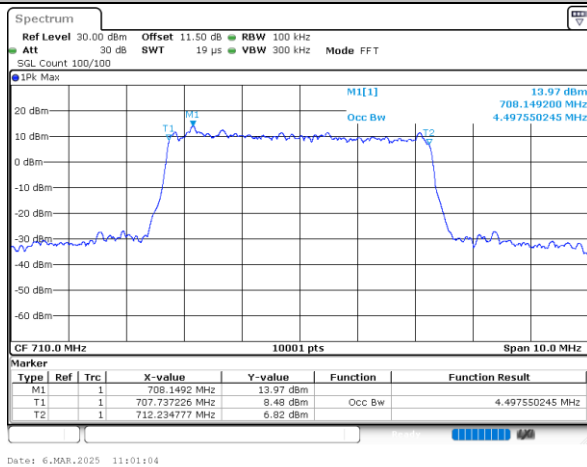
Middle Channel / 10MHz / QPSK



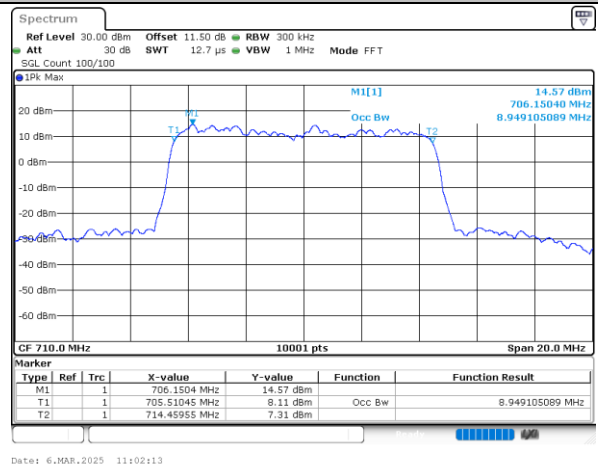
Middle Channel / 10MHz / 16QAM

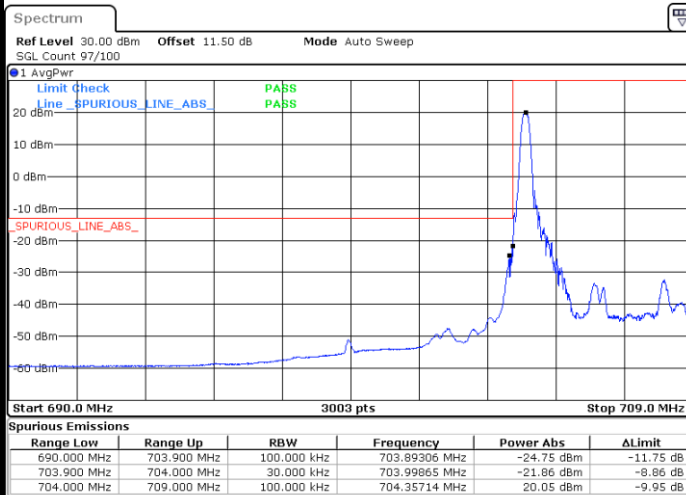
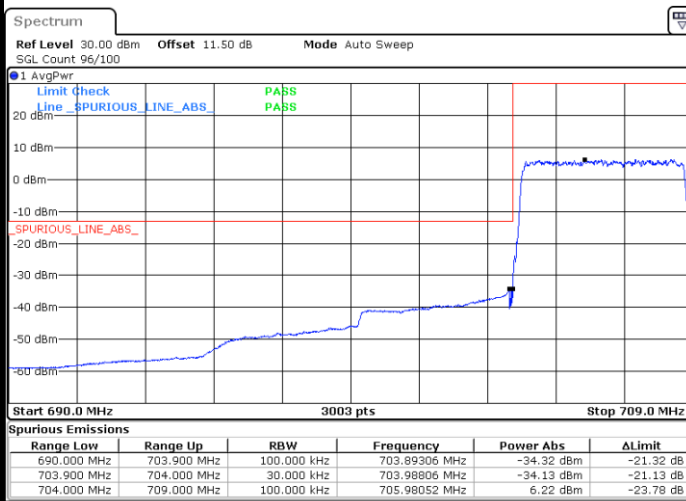
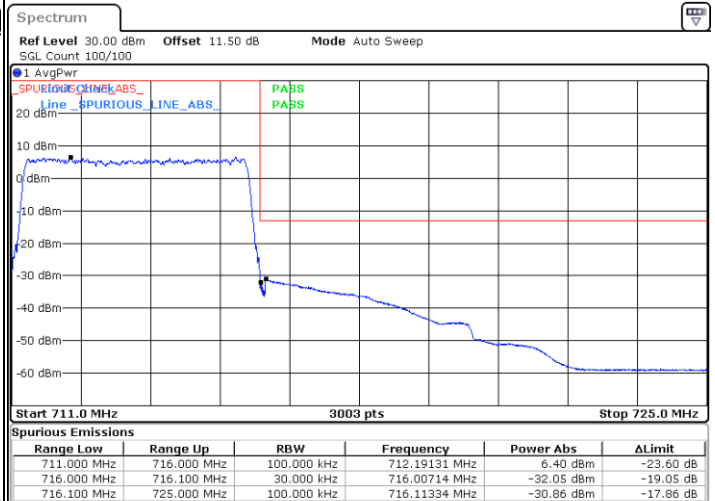


Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM

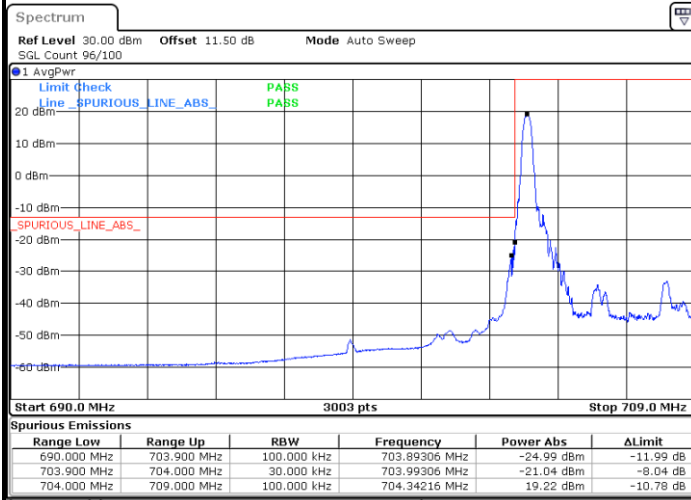


**Conducted Band Edge****LTE Band 17 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

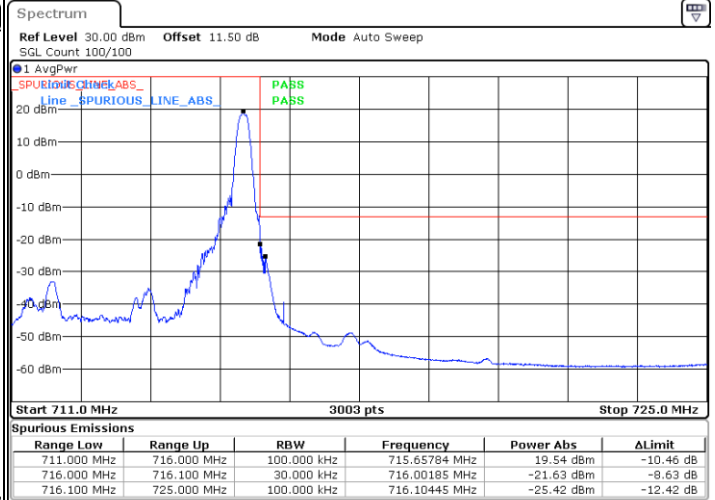


LTE Band 17 / 5MHz / 16QAM

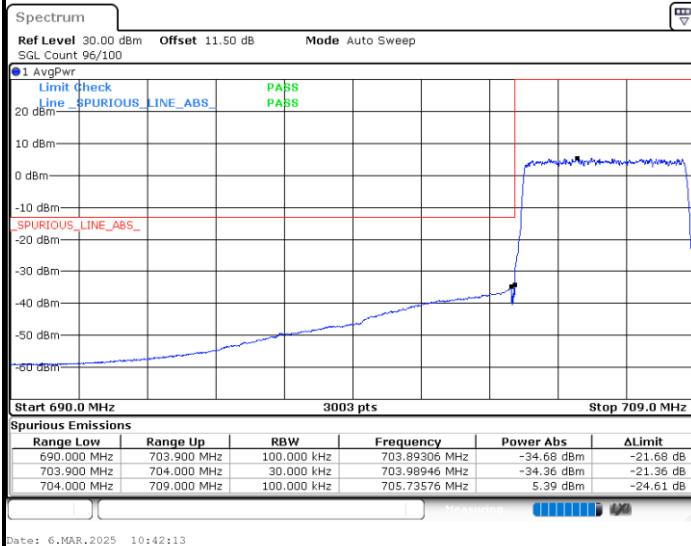
Lowest Band Edge / 1 RB



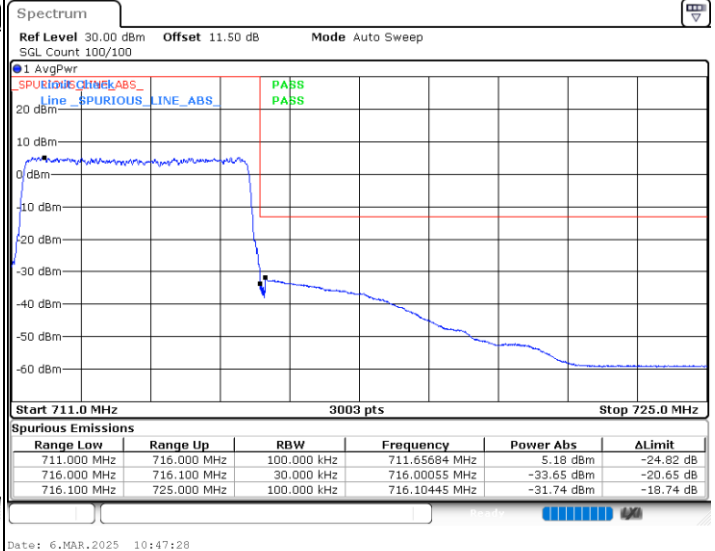
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



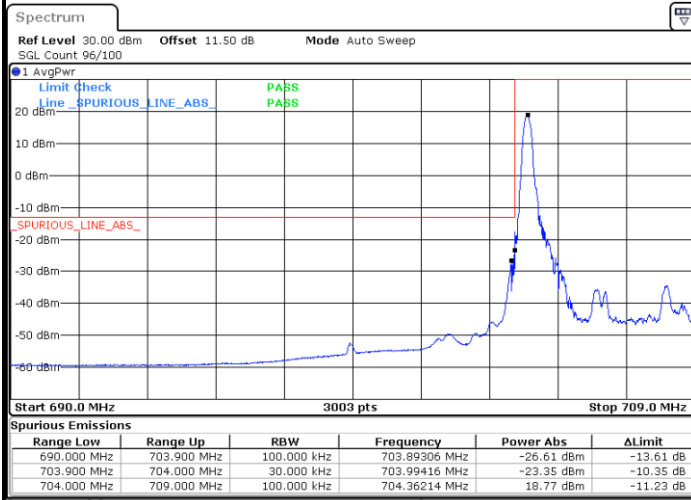
Highest Band Edge / Full RB



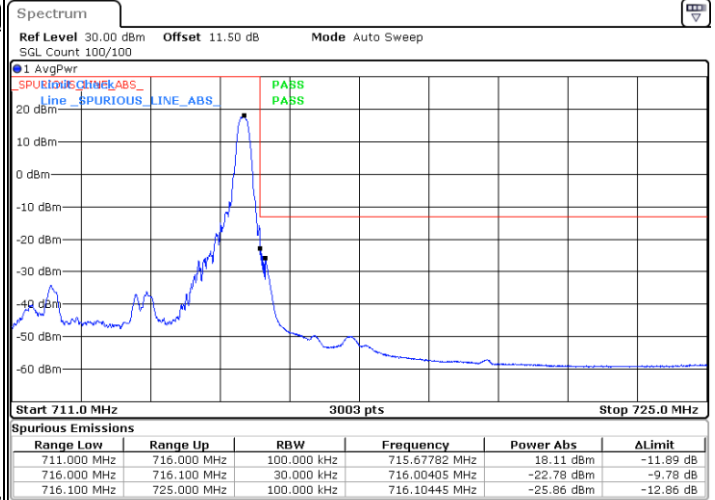


LTE Band 17 / 5MHz / 64QAM

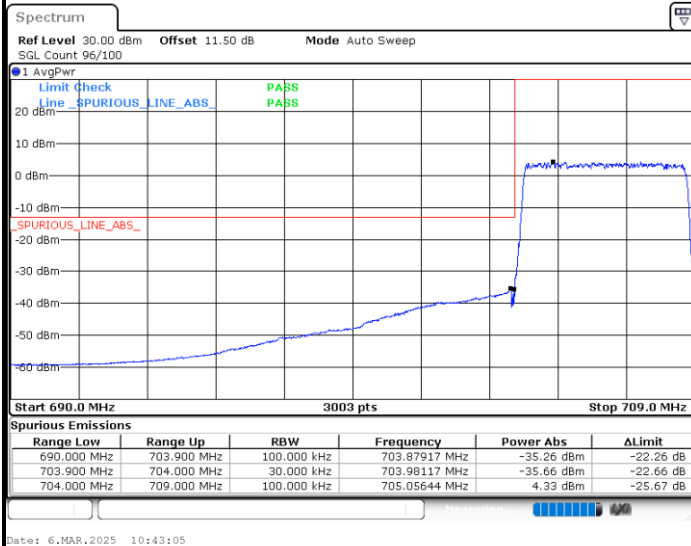
Lowest Band Edge / 1 RB



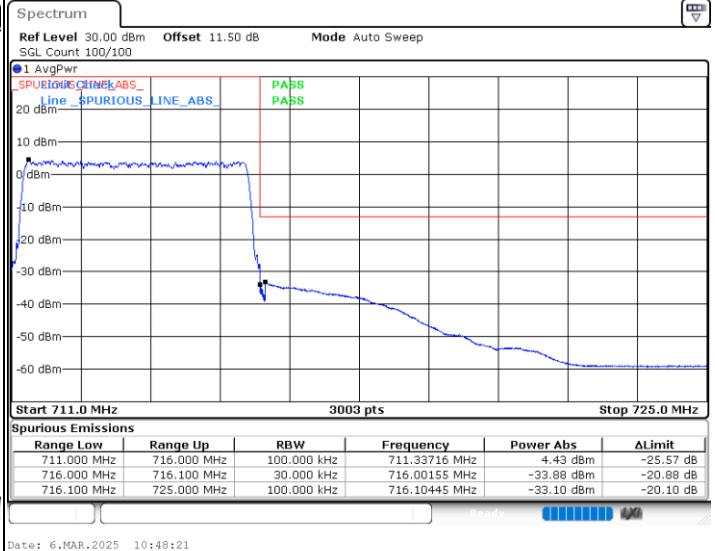
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



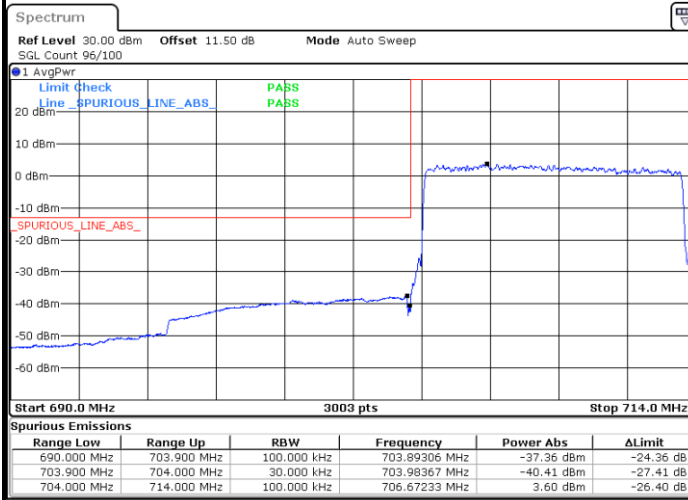
Highest Band Edge / Full RB



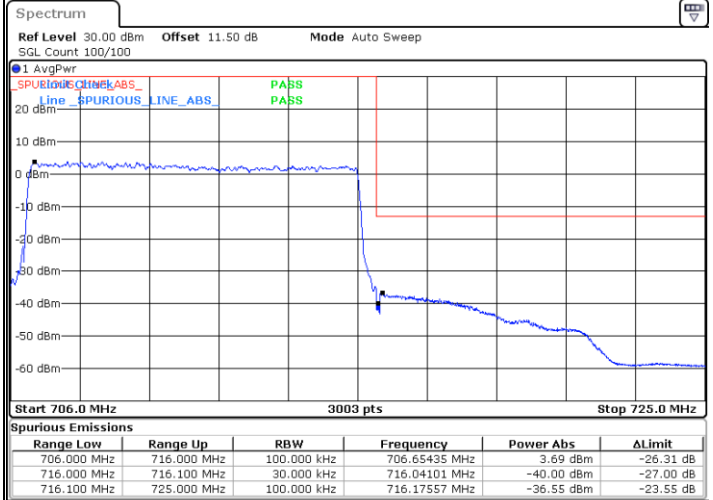


LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / Full RB

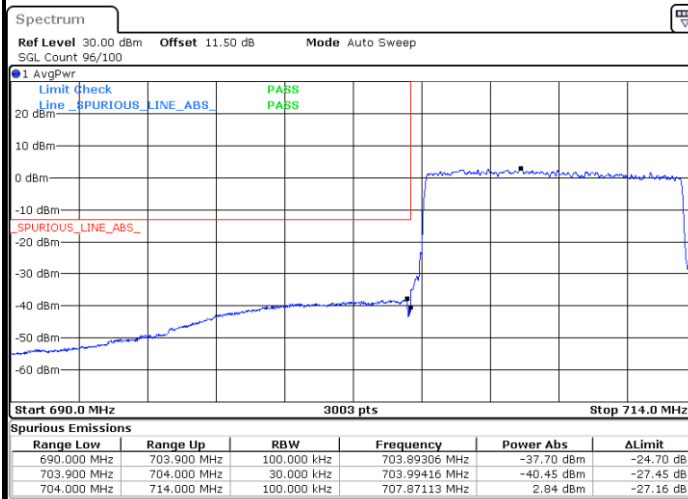


Highest Band Edge / Full RB

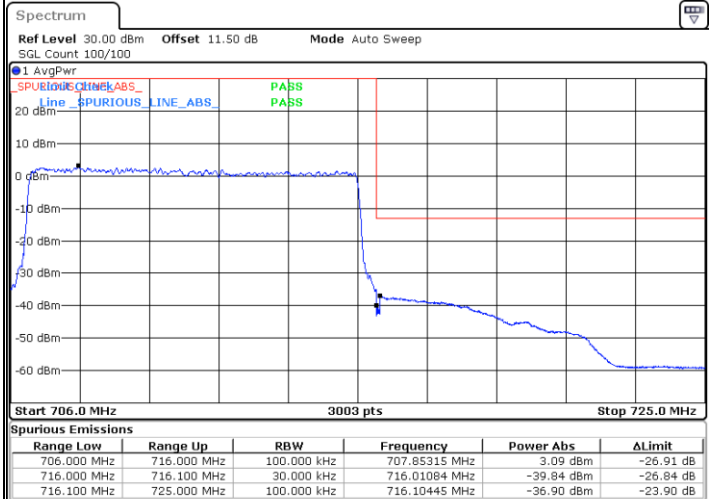


LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

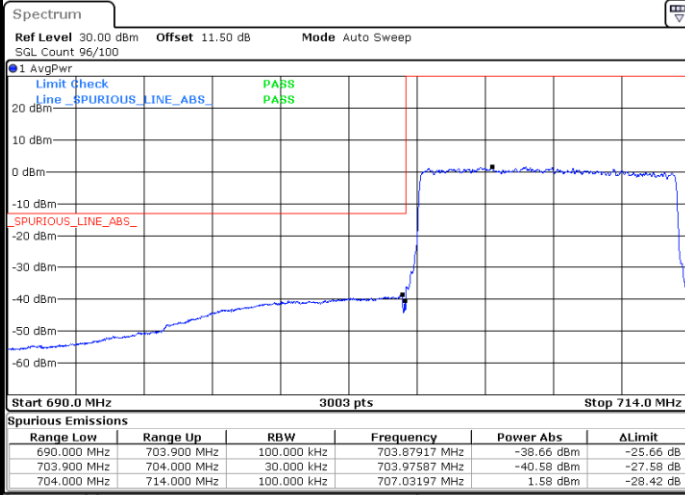




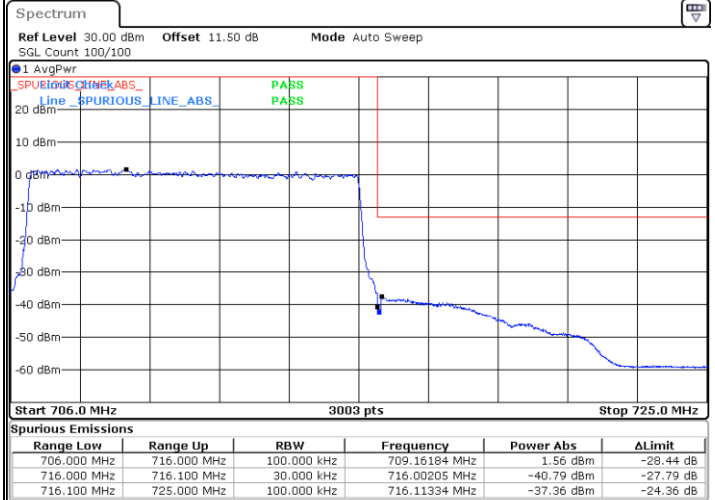
LTE Band 17 / 10MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 6.MAR.2025 10:50:59



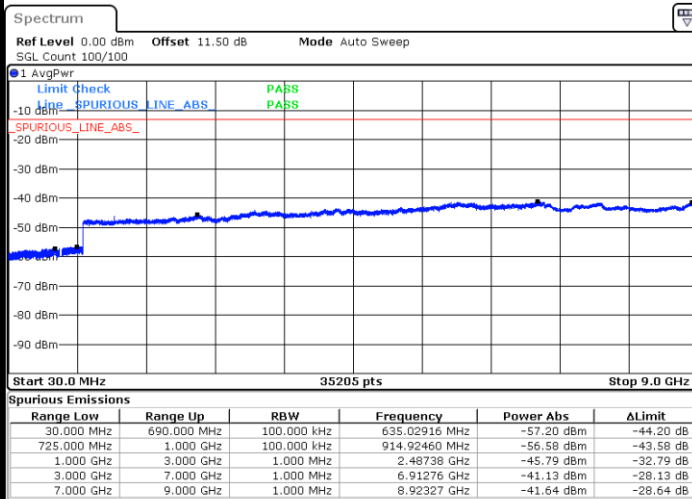
Date: 6.MAR.2025 10:53:37



Conducted Spurious Emission

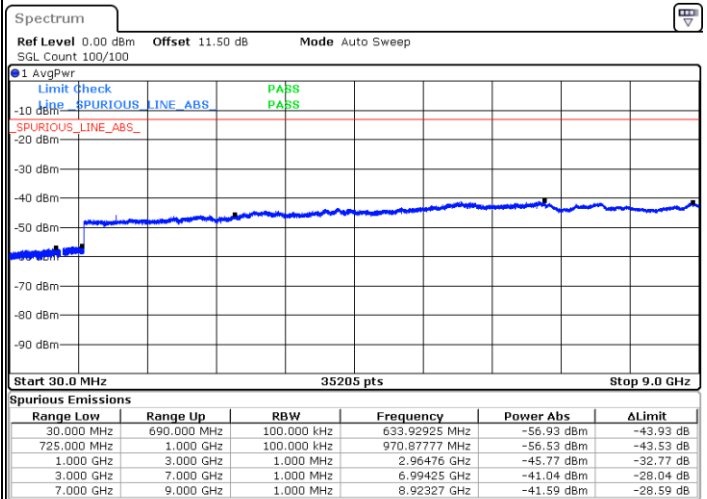
LTE Band 17 / 5MHz

Lowest Channel / QPSK



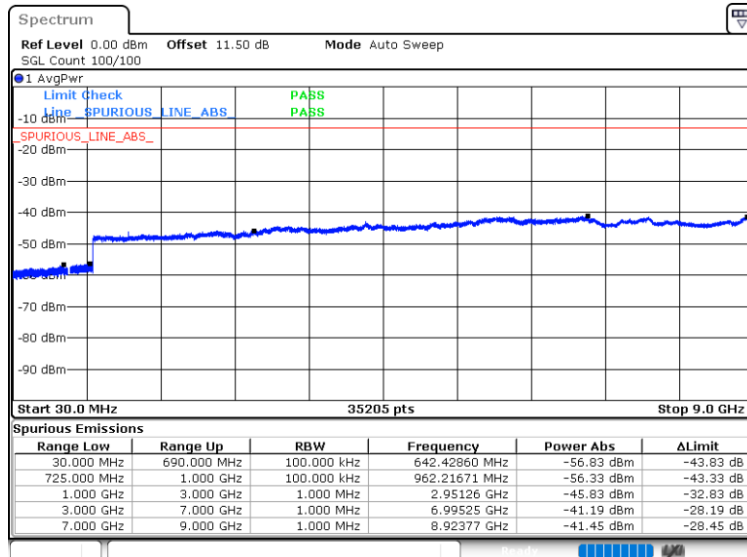
Date: 6.MAR.2025 11:06:52

Middle Channel / QPSK



Date: 6.MAR.2025 11:08:05

Highest Channel / QPSK

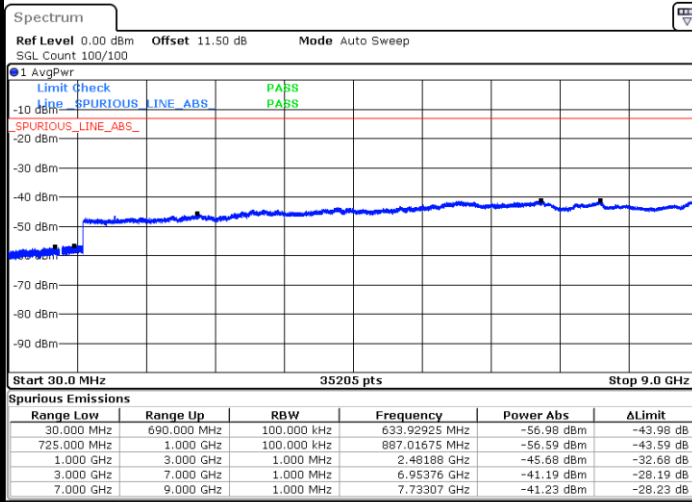


Date: 6.MAR.2025 11:09:17



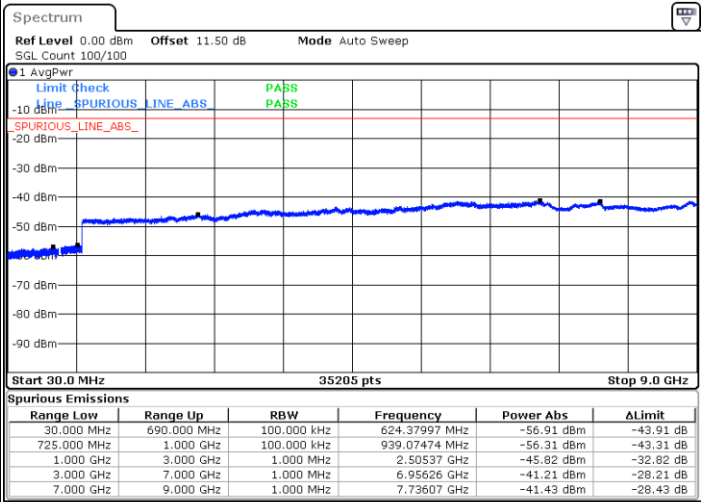
LTE Band 17 / 10MHz

Lowest Channel / QPSK



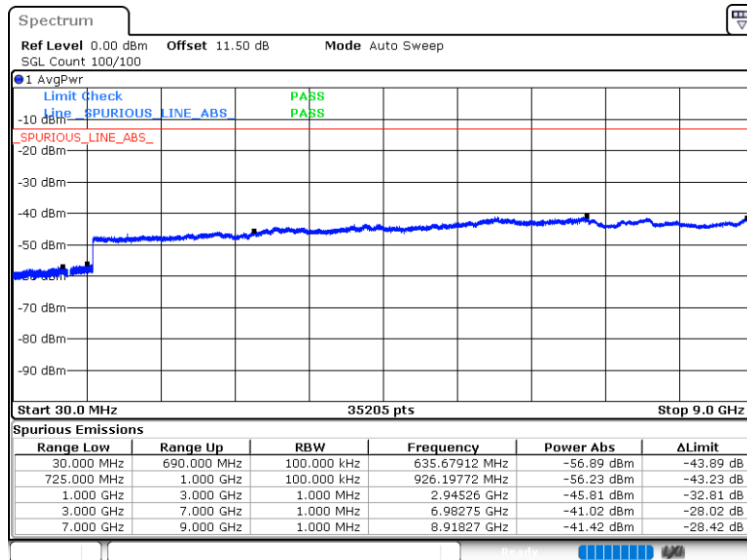
Date: 6.MAR.2025 11:10:30

Middle Channel / QPSK



Date: 6.MAR.2025 11:11:42

Highest Channel / QPSK



Date: 6.MAR.2025 11:12:54

Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0046	PASS
40	Normal Voltage	0.0034	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0044	
-20	Normal Voltage	0.0197	
-30	Normal Voltage	0.0166	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0192	

Note:

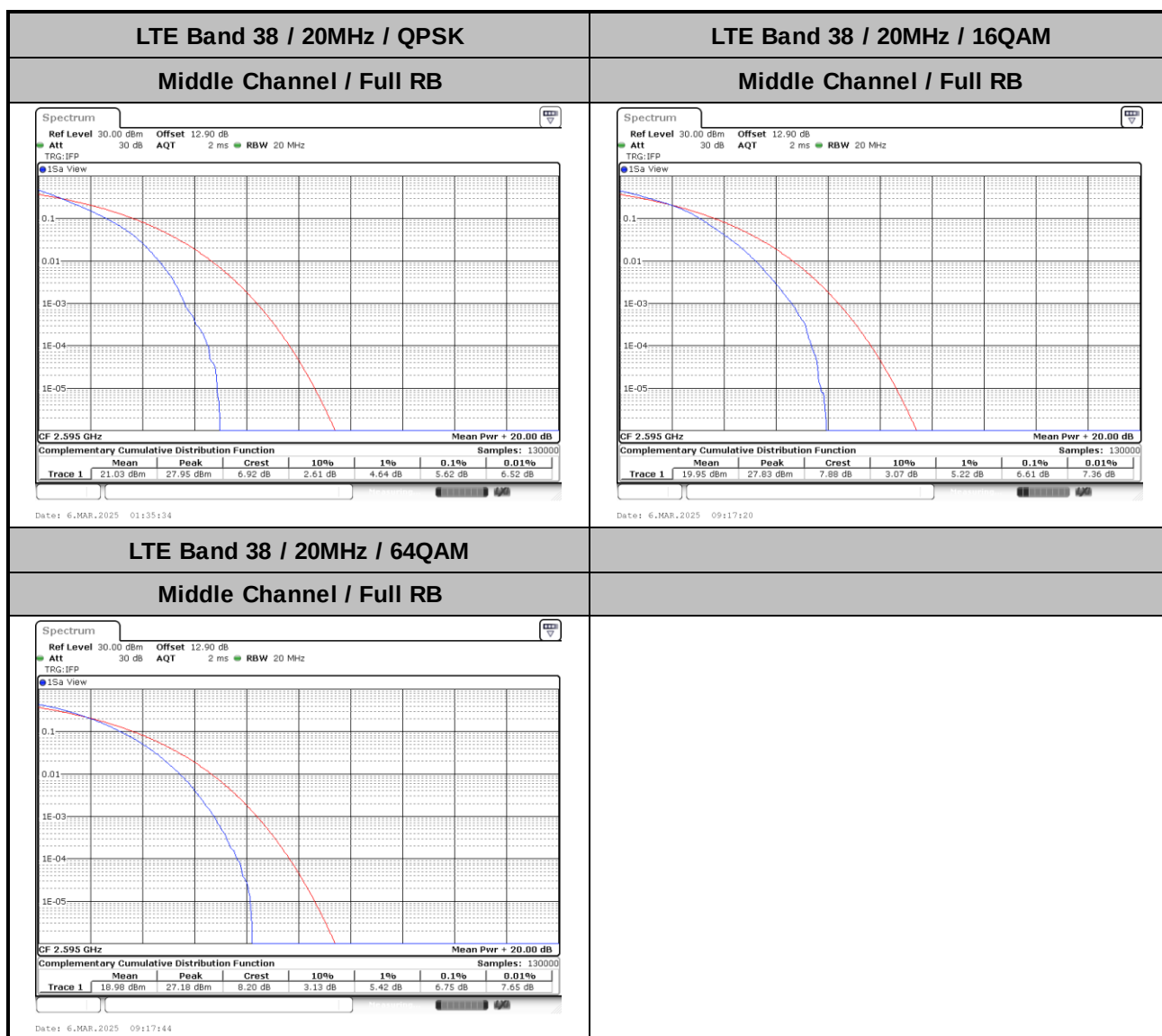
1. Normal Voltage = 3.87 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 38

Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.62	6.61	6.75	-	PASS



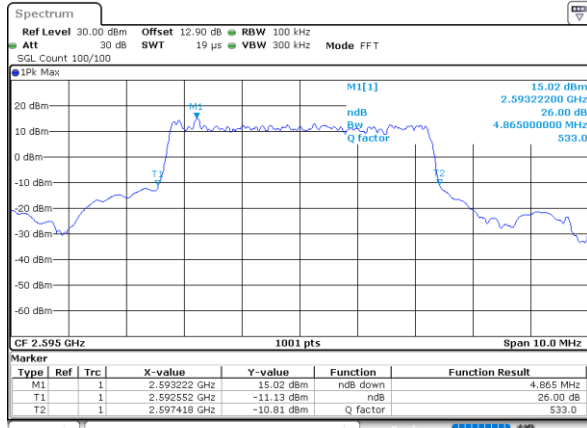
**26dB Bandwidth**

Mode	LTE Band 38 : 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	-	-	-	-	4.86	4.92	9.60	9.84	14.23	14.29	18.90	18.86
Mode	LTE Band 38 : 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	-	-	-	-	4.81	-	9.75	-	14.86	-	18.78	-



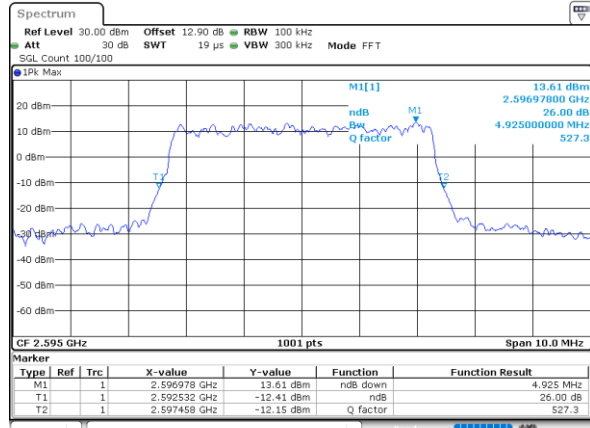
LTE Band 38

Middle Channel / 5MHz / QPSK



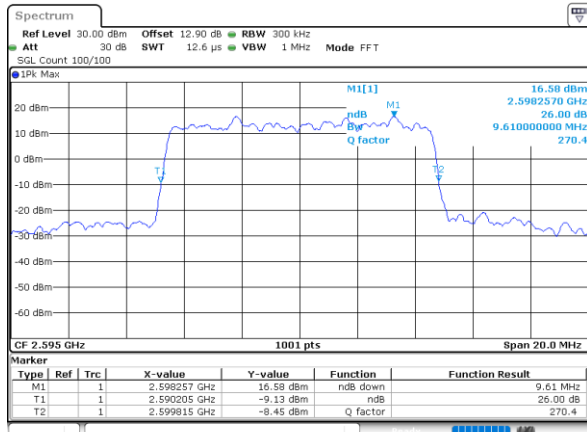
Date: 6.MAR.2025 01:31:02

Middle Channel / 5MHz / 16QAM



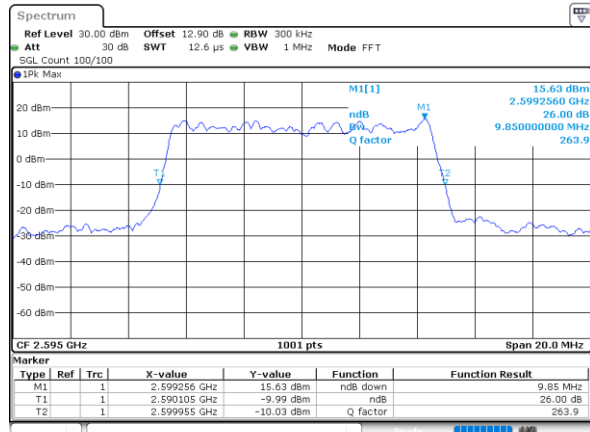
Date: 6.MAR.2025 01:31:24

Middle Channel / 10MHz / QPSK



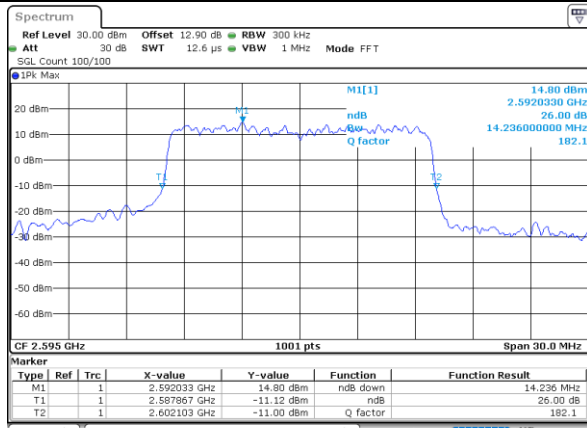
Date: 6.MAR.2025 01:32:10

Middle Channel / 10MHz / 16QAM



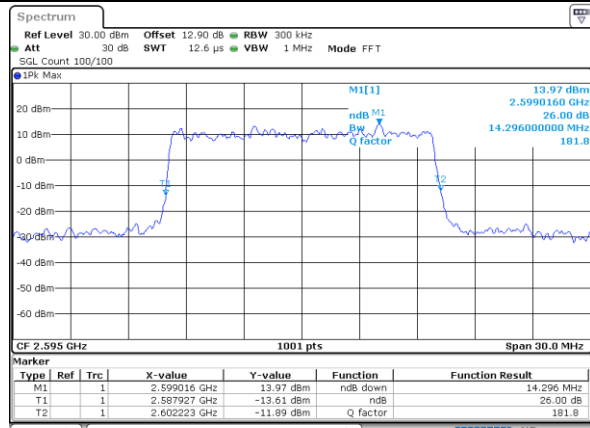
Date: 6.MAR.2025 01:32:32

Middle Channel / 15MHz / QPSK



Date: 6.MAR.2025 01:33:18

Middle Channel / 15MHz / 16QAM

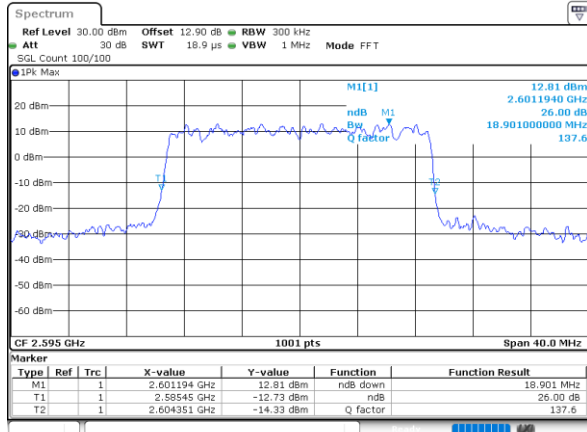


Date: 6.MAR.2025 01:33:40



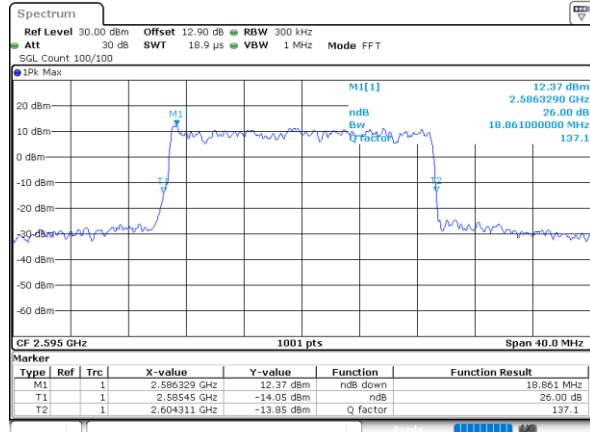
LTE Band 38

Middle Channel / 20MHz / QPSK



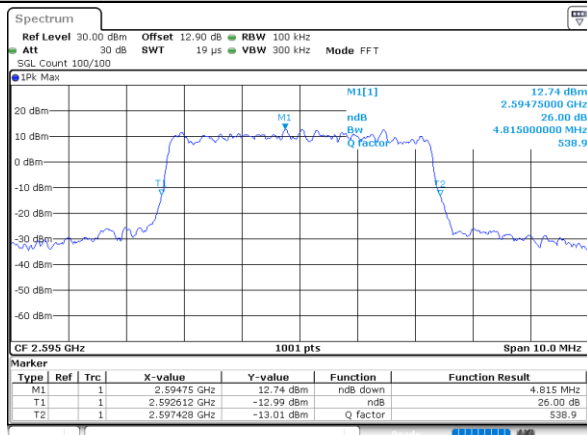
Date: 6.MAR.2025 01:34:25

Middle Channel / 20MHz / 16QAM



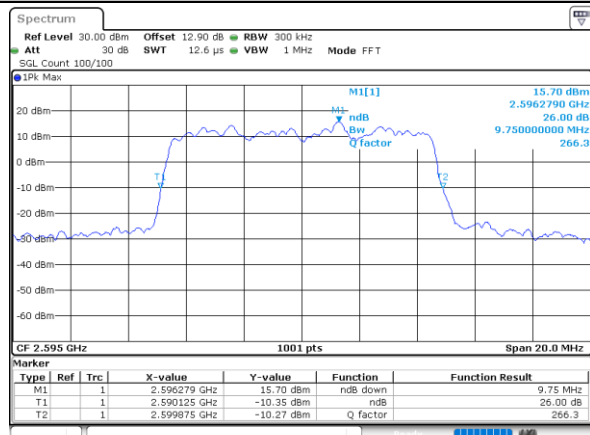
Date: 6.MAR.2025 01:34:48

Middle Channel / 5MHz / 64QAM



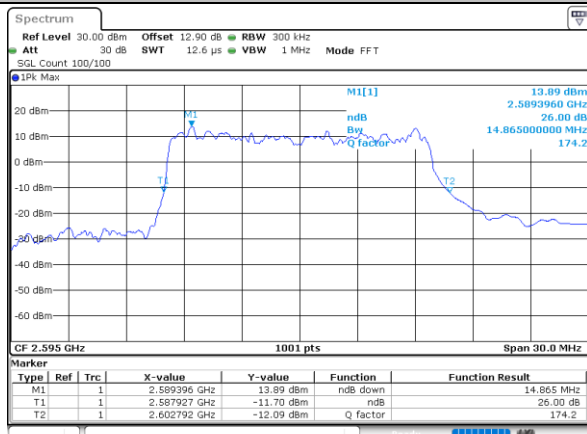
Date: 6.MAR.2025 01:31:47

Middle Channel / 10MHz / 64QAM



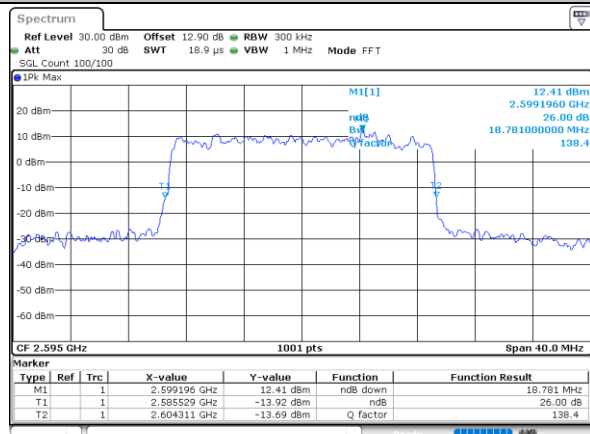
Date: 6.MAR.2025 01:32:55

Middle Channel / 15MHz / 64QAM



Date: 6.MAR.2025 01:34:02

Middle Channel / 20MHz / 64QAM



Date: 6.MAR.2025 01:35:10

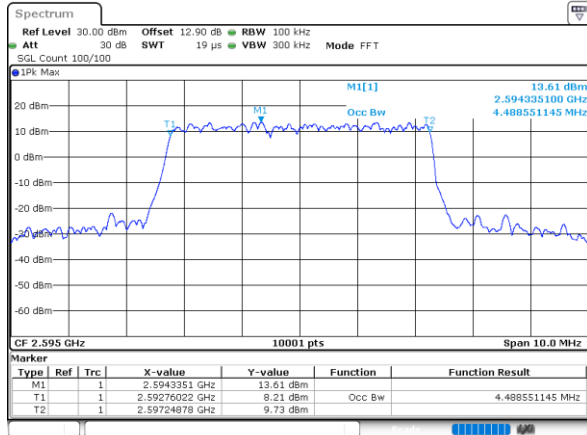
**Occupied Bandwidth**

Mode	LTE Band 38 : 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	9.01	8.99	13.49	13.42	17.91	17.84
Mode	LTE Band 38 : 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	-	-	-	-	4.45	-	9.05	-	13.40	-	17.91	-



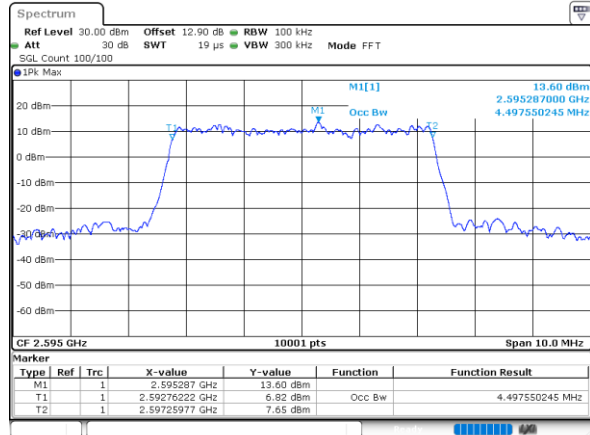
LTE Band 38

Middle Channel / 5MHz / QPSK



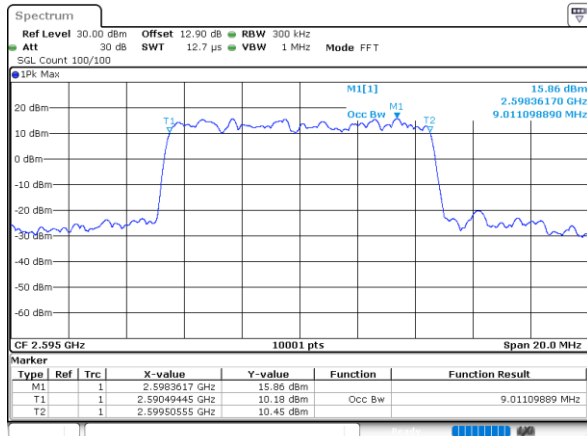
Date: 6.MAR.2025 01:26:10

Middle Channel / 5MHz / 16QAM



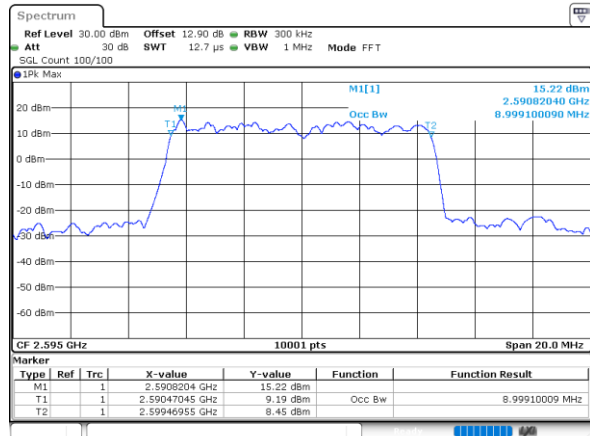
Date: 6.MAR.2025 01:26:53

Middle Channel / 10MHz / QPSK



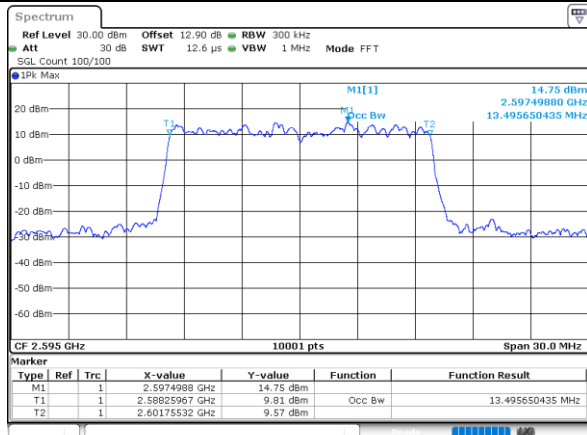
Date: 6.MAR.2025 01:27:38

Middle Channel / 10MHz / 16QAM



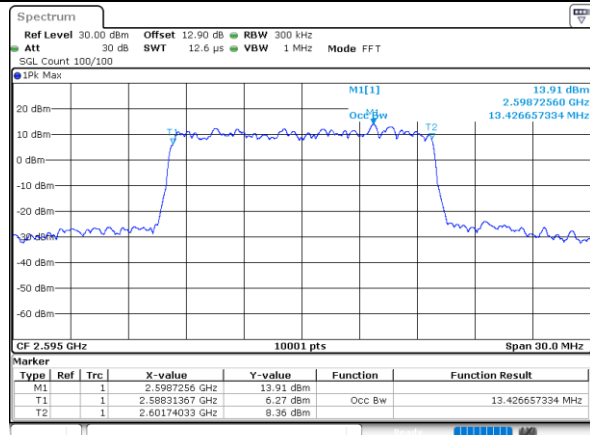
Date: 6.MAR.2025 01:28:01

Middle Channel / 15MHz / QPSK



Date: 6.MAR.2025 01:28:46

Middle Channel / 15MHz / 16QAM

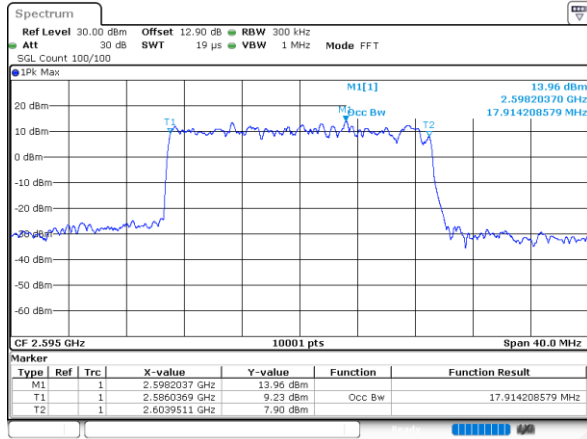


Date: 6.MAR.2025 01:29:09

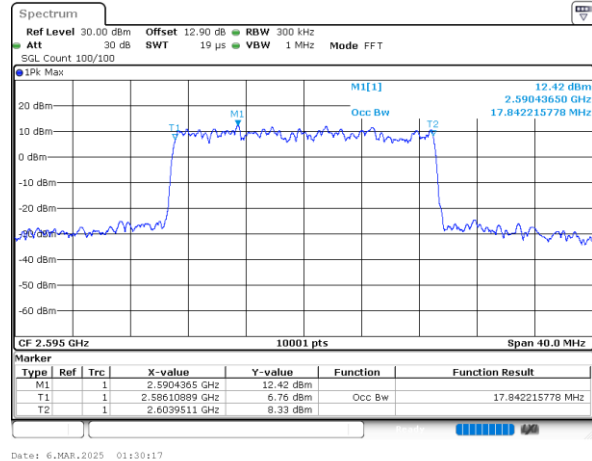


LTE Band 38

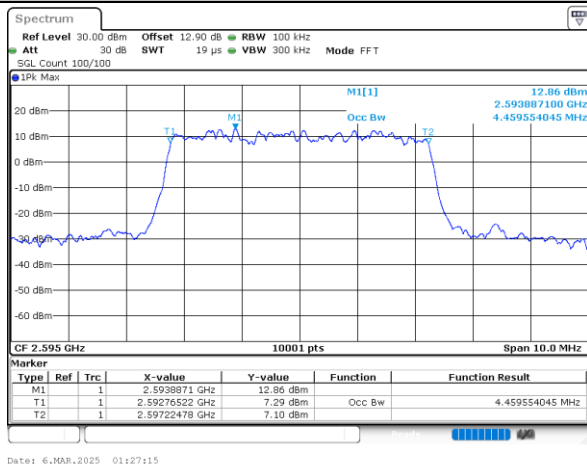
Middle Channel / 20MHz / QPSK



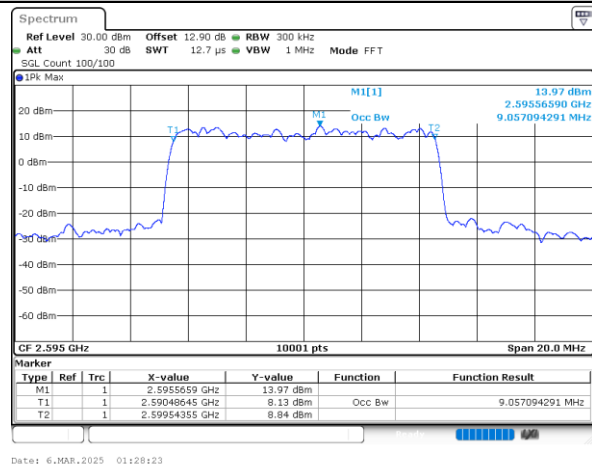
Middle Channel / 20MHz / 16QAM



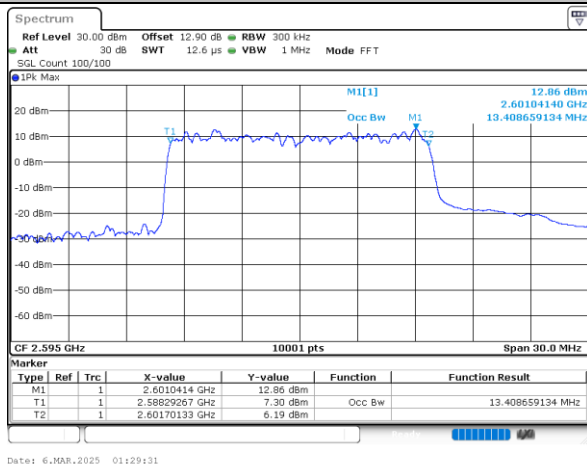
Middle Channel / 5MHz / 64QAM



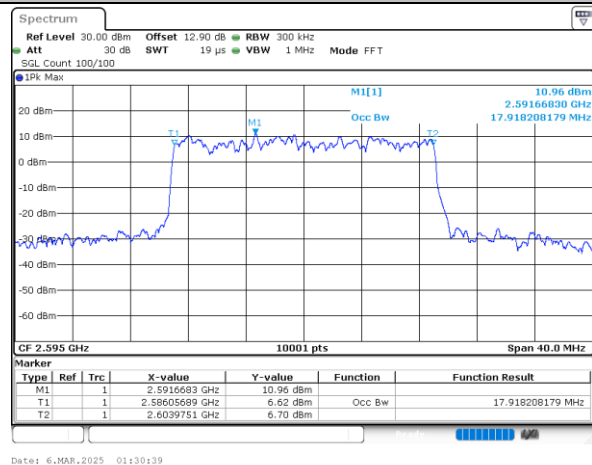
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM

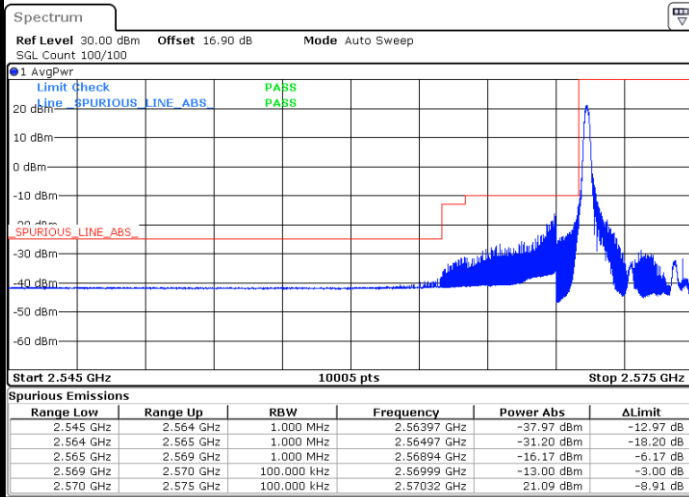




Conducted Band Edge

LTE Band 38 / 5MHz / QPSK

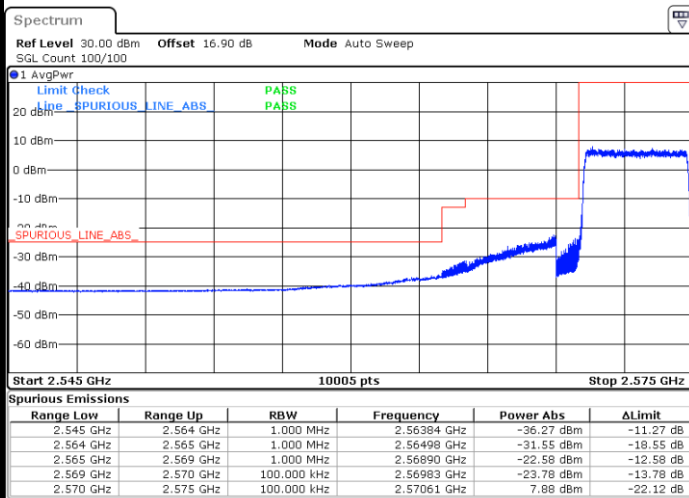
Lowest Band Edge / 1 RB



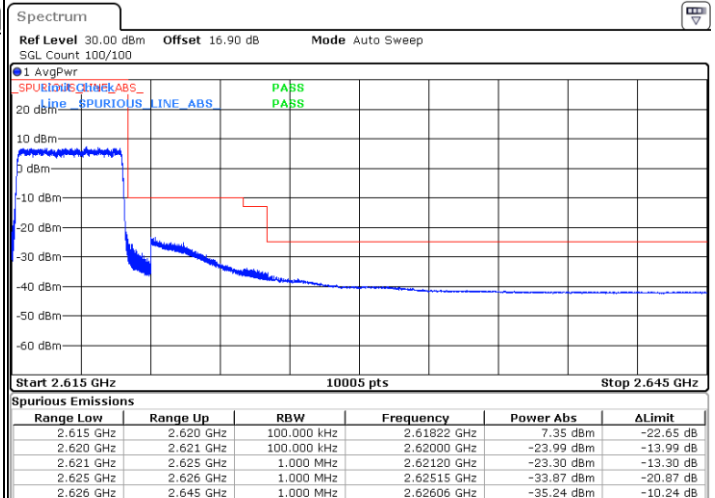
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



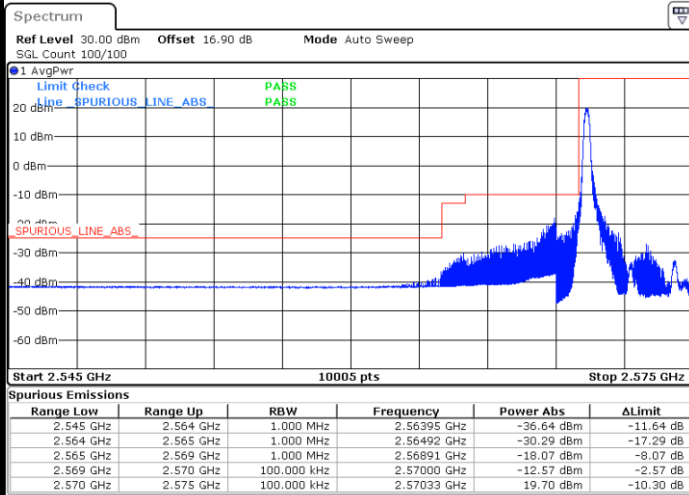
Highest Band Edge / Full RB



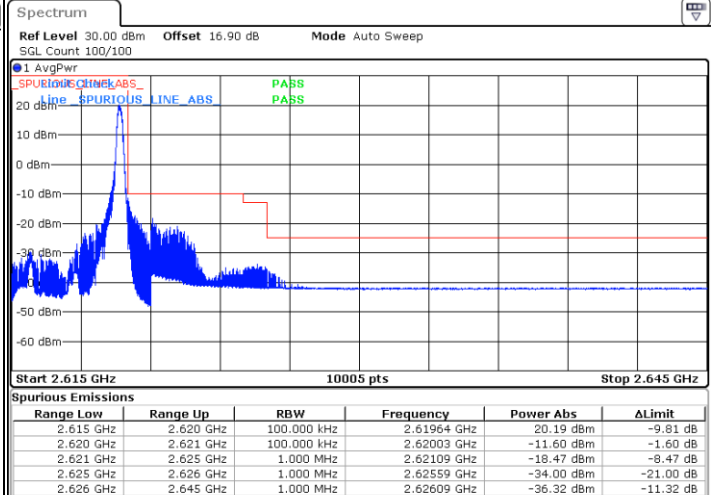


LTE Band 38 / 5MHz / 16QAM

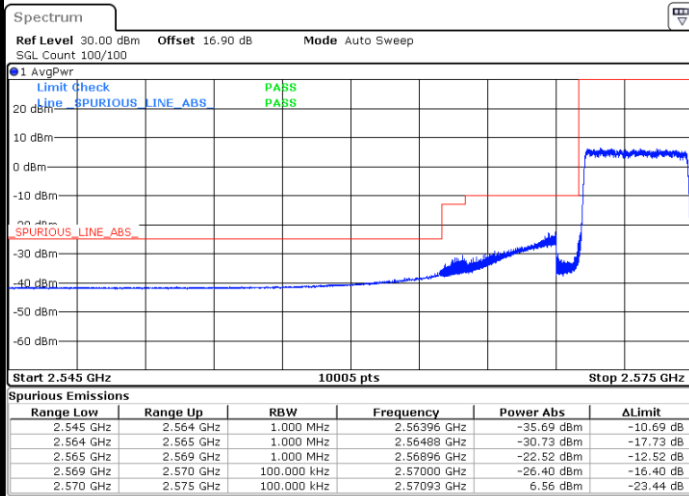
Lowest Band Edge / 1RB



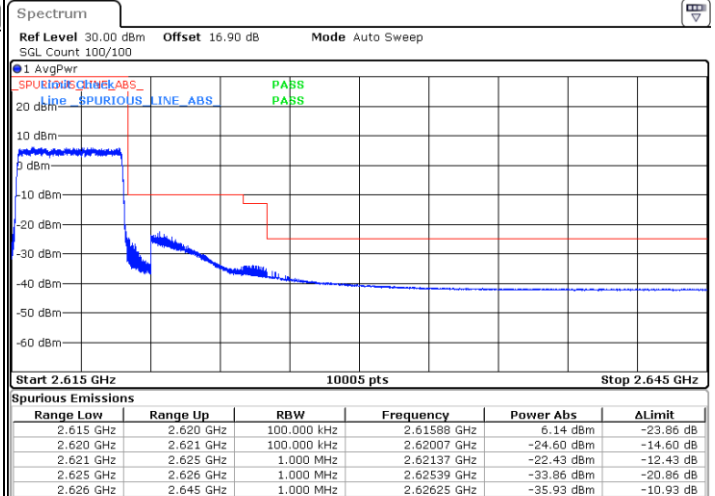
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



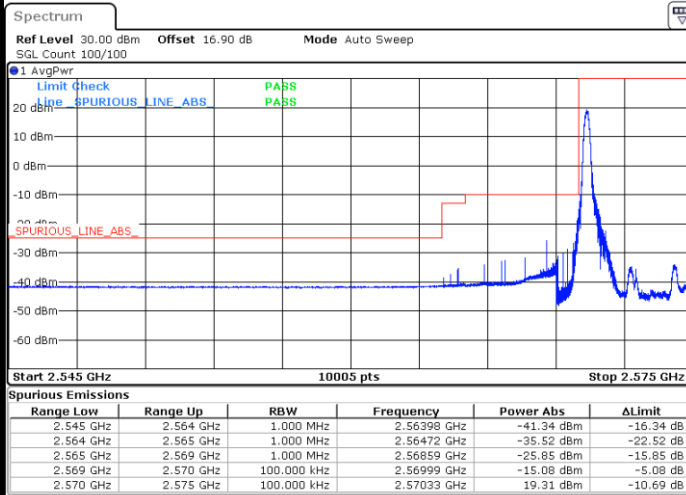
Highest Band Edge / Full RB



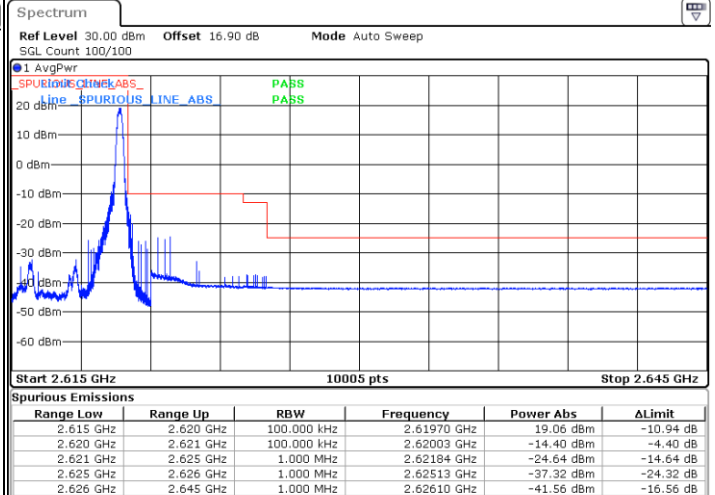


LTE Band 38 / 5MHz / 64QAM

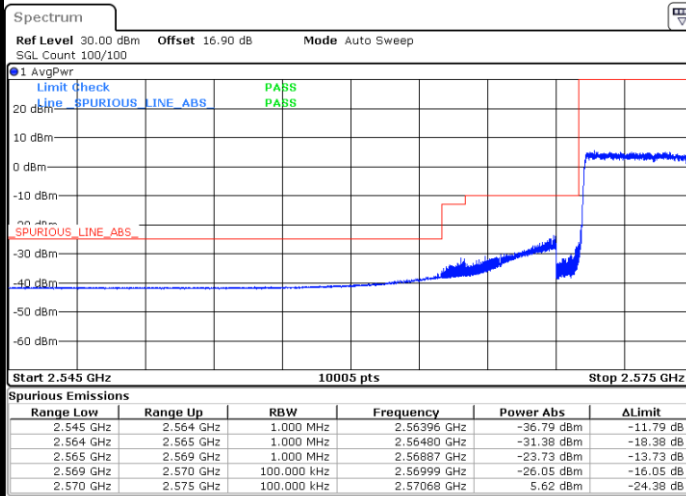
Lowest Band Edge / 1RB



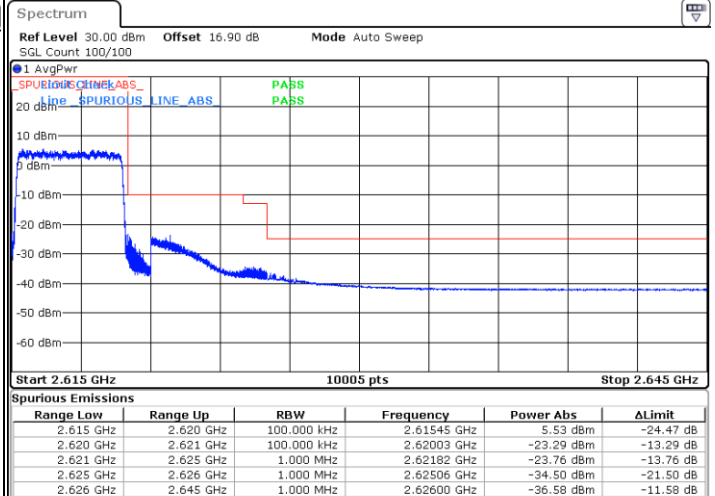
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



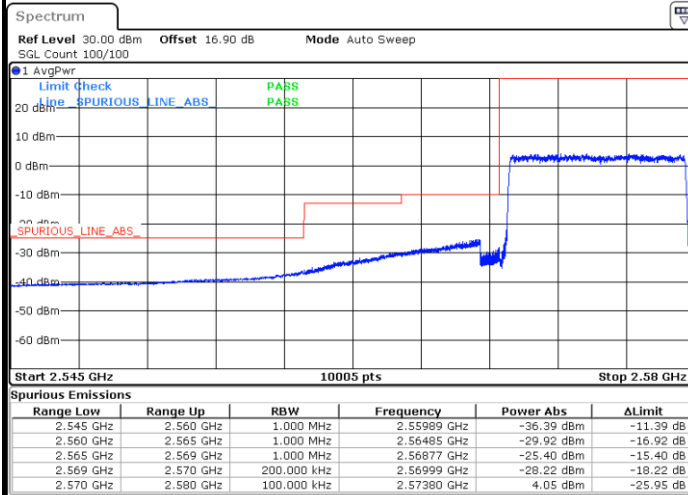
Highest Band Edge / Full RB



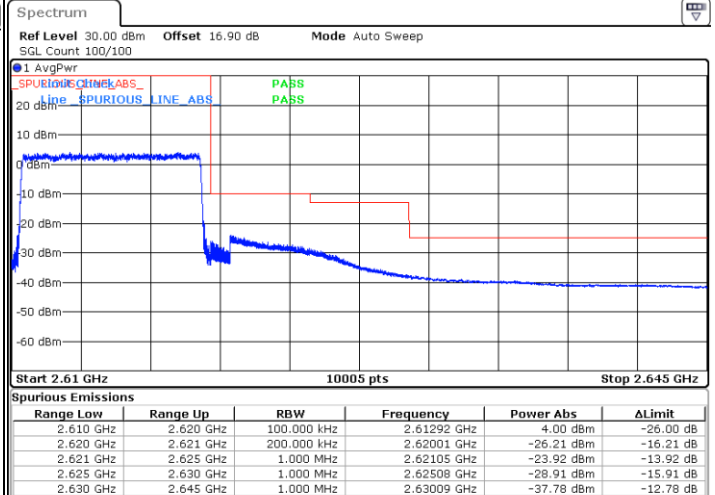


LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / Full RB

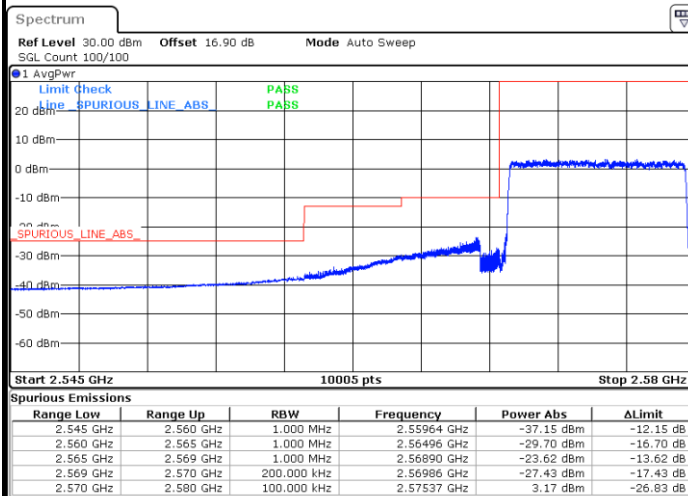


Highest Band Edge / Full RB

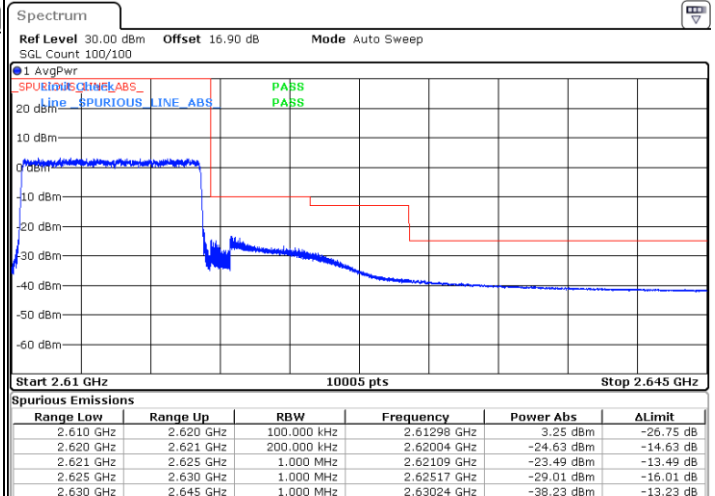


LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / Full RB



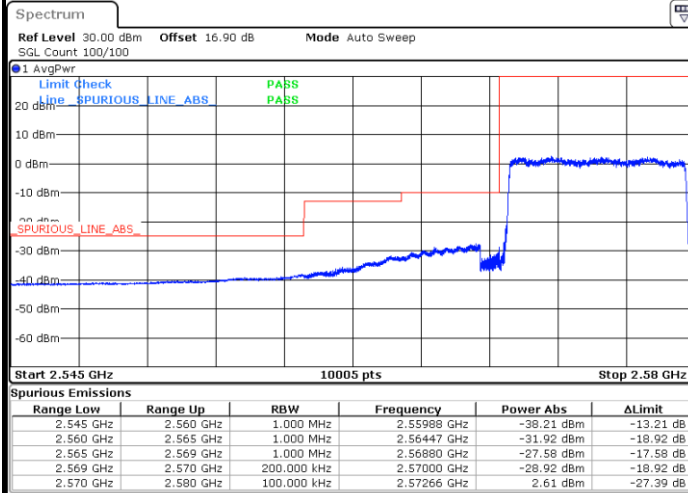
Highest Band Edge / Full RB





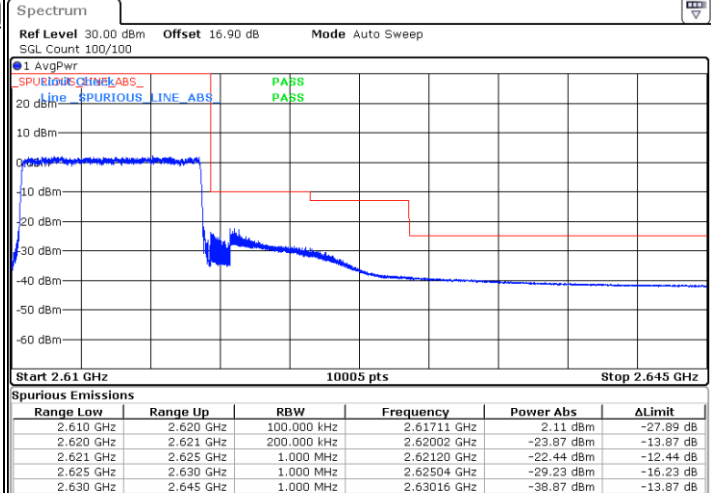
LTE Band 38 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 6.MAR.2025 01:12:57

Highest Band Edge / Full RB

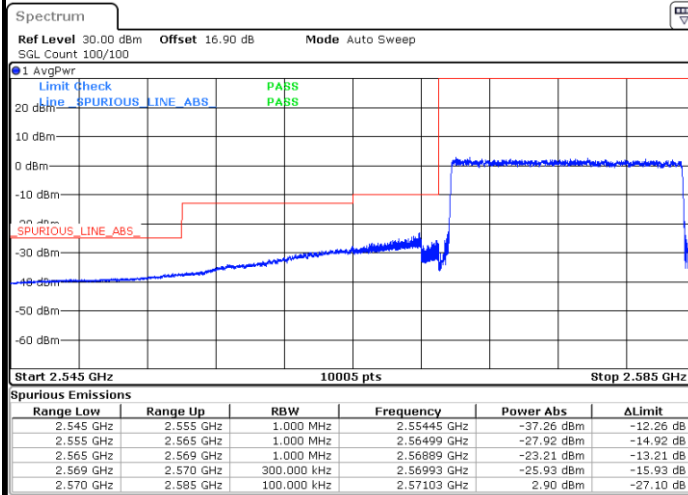


Date: 6.MAR.2025 01:15:34

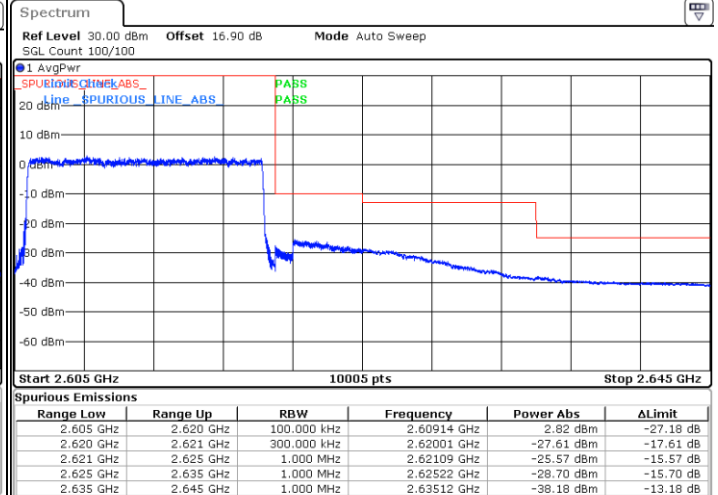


LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / Full RB

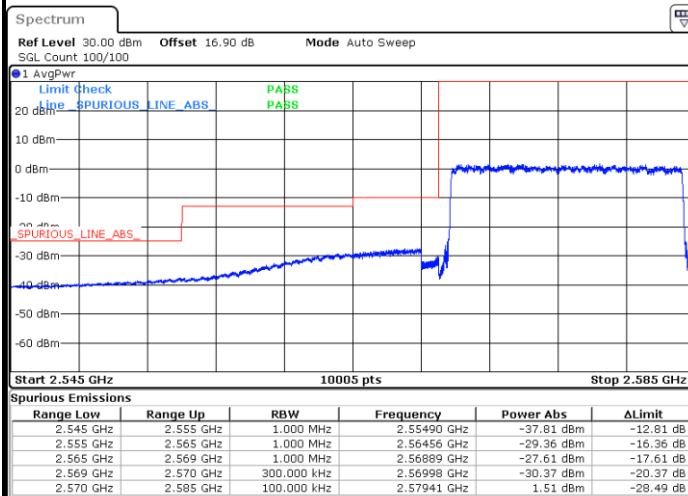


Highest Band Edge / Full RB

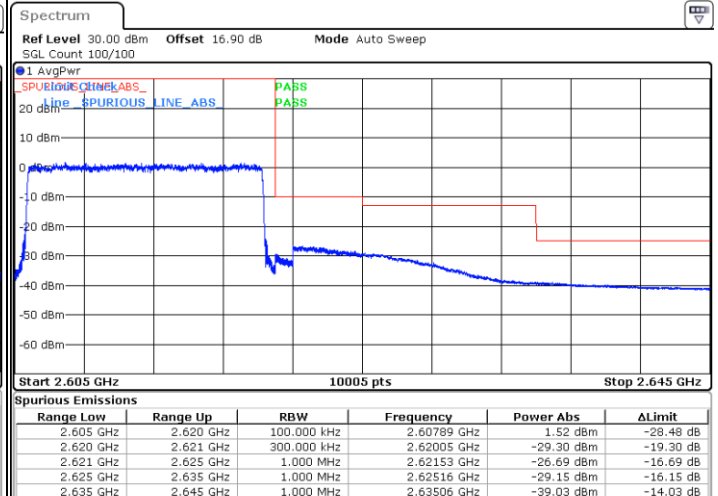


LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / Full RB



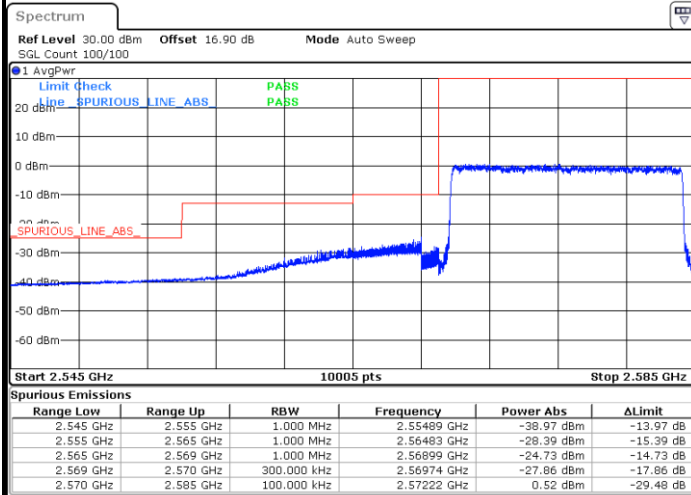
Highest Band Edge / Full RB





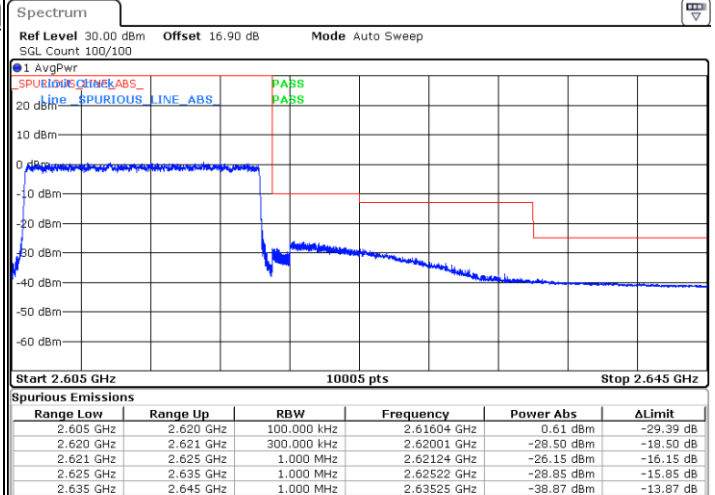
LTE Band 38 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 6.MAR.2025 01:18:12

Highest Band Edge / Full RB

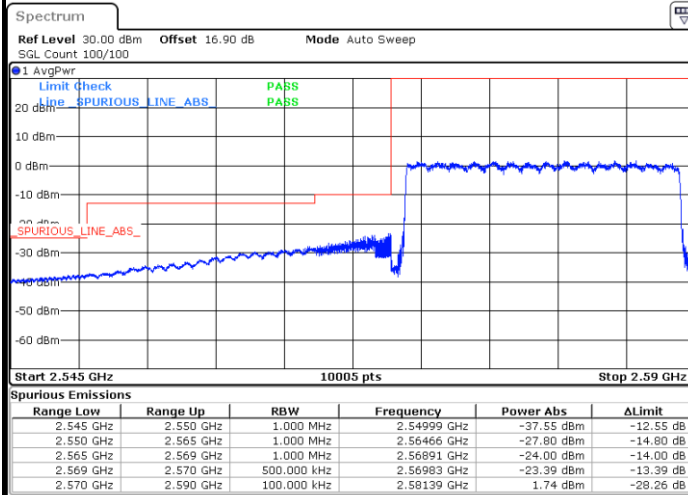


Date: 6.MAR.2025 01:20:50

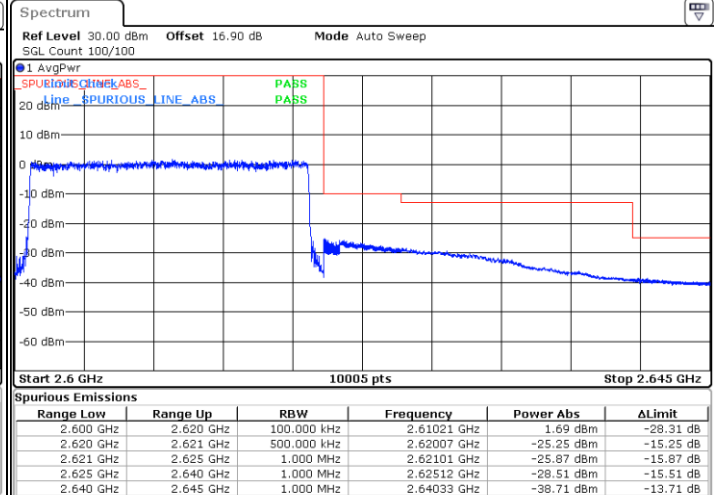


LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / Full RB

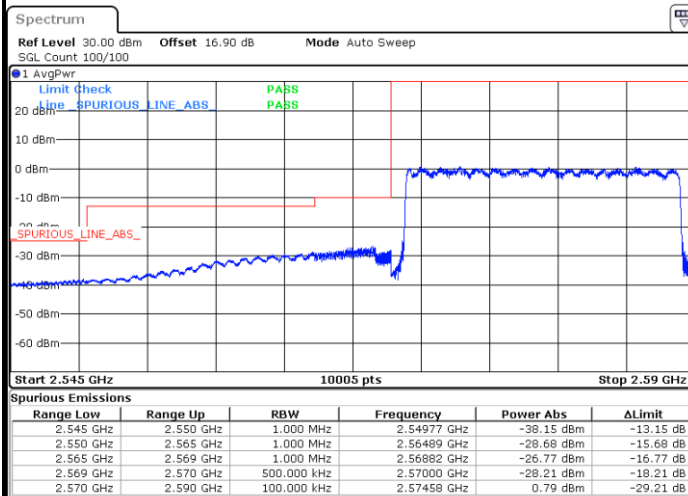


Highest Band Edge / Full RB

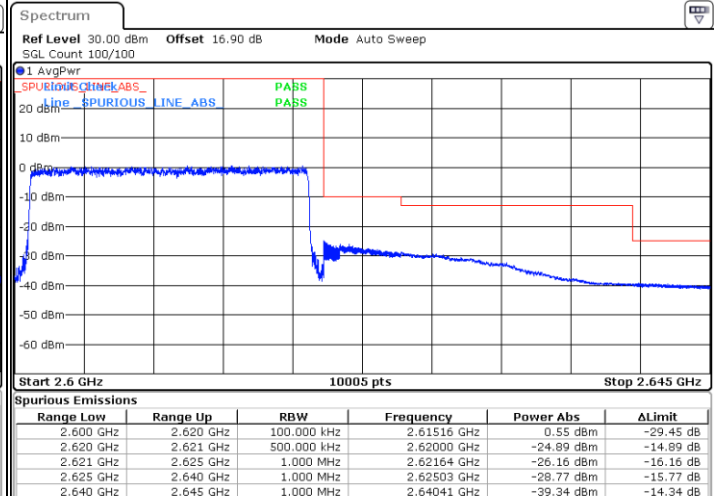


LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / Full RB



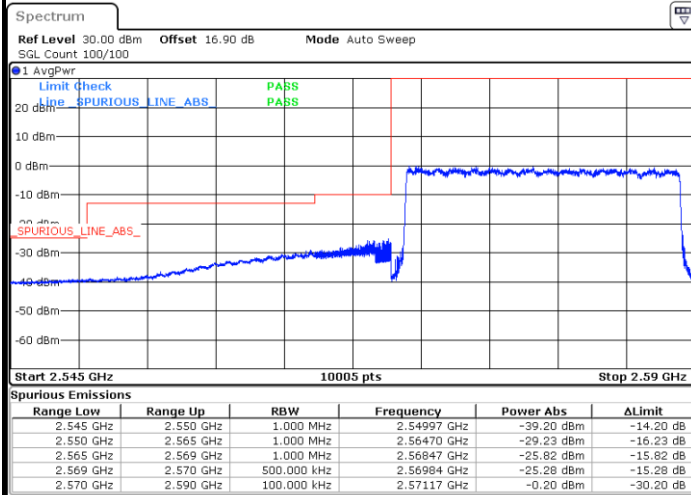
Highest Band Edge / Full RB





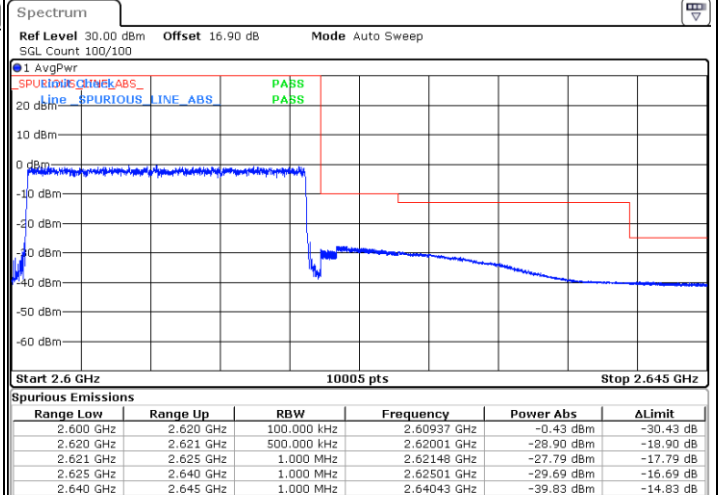
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 6.MAR.2025 01:23:28

Highest Band Edge / Full RB



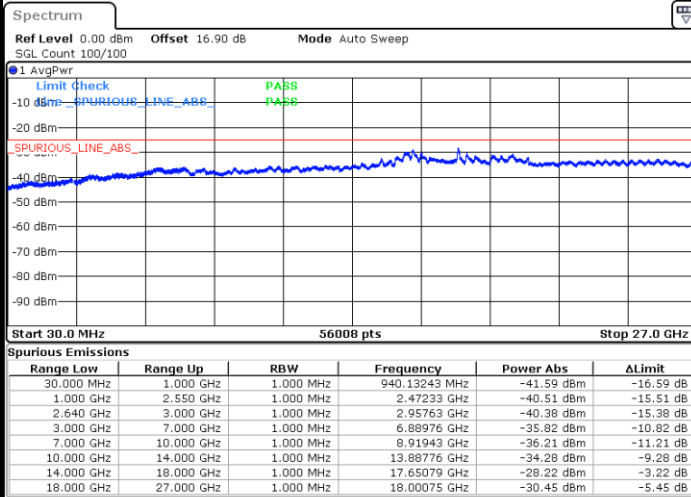
Date: 6.MAR.2025 01:26:06



Conducted Spurious Emission

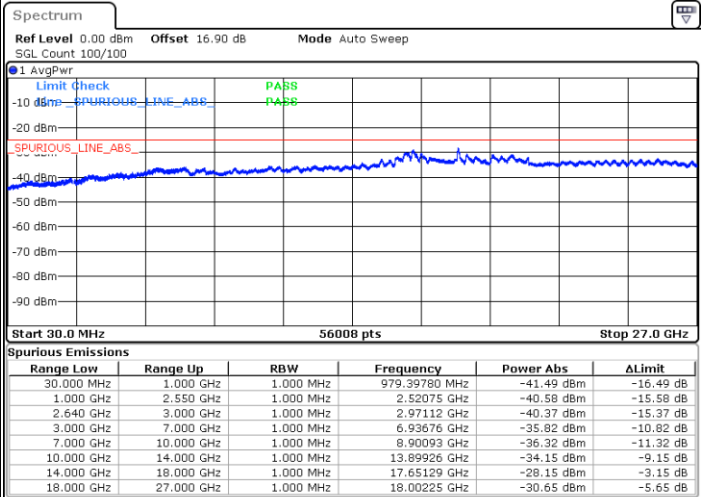
LTE Band 38 / 5MHz

Lowest Channel / QPSK



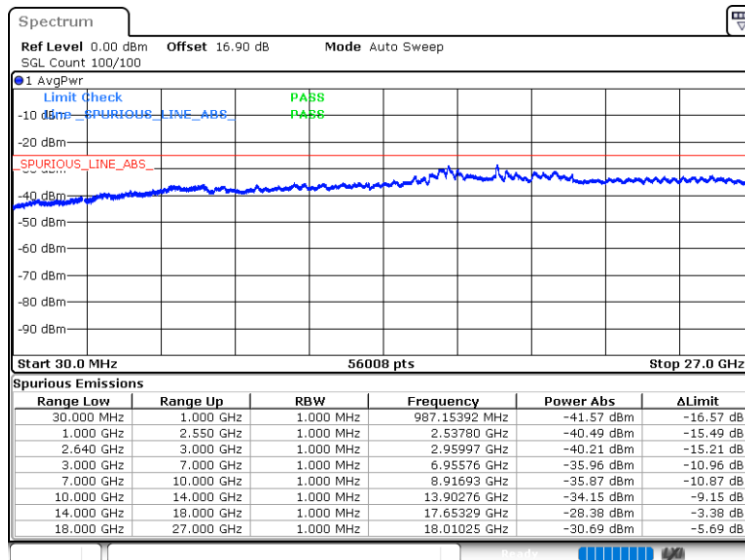
Date: 6.MAR.2025 09:18:56

Middle Channel / QPSK



Date: 6.MAR.2025 09:20:08

Highest Channel / QPSK

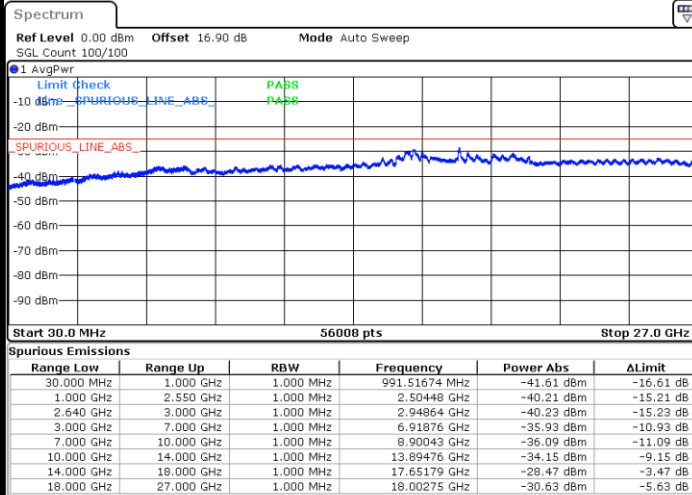


Date: 6.MAR.2025 09:21:21



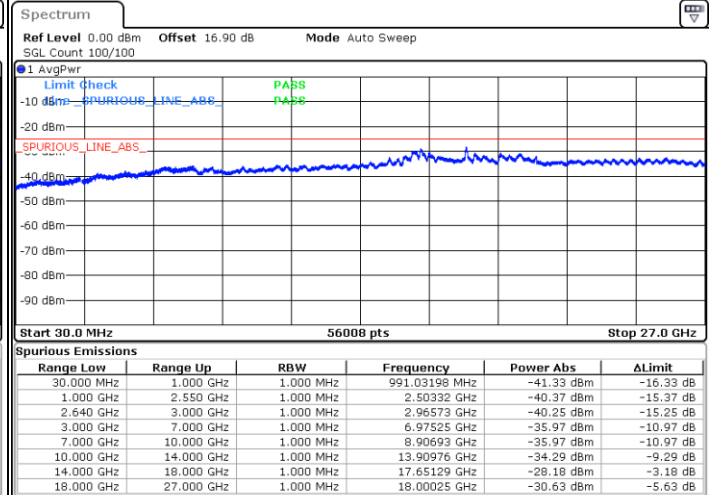
LTE Band 38 / 10MHz

Lowest Channel / QPSK



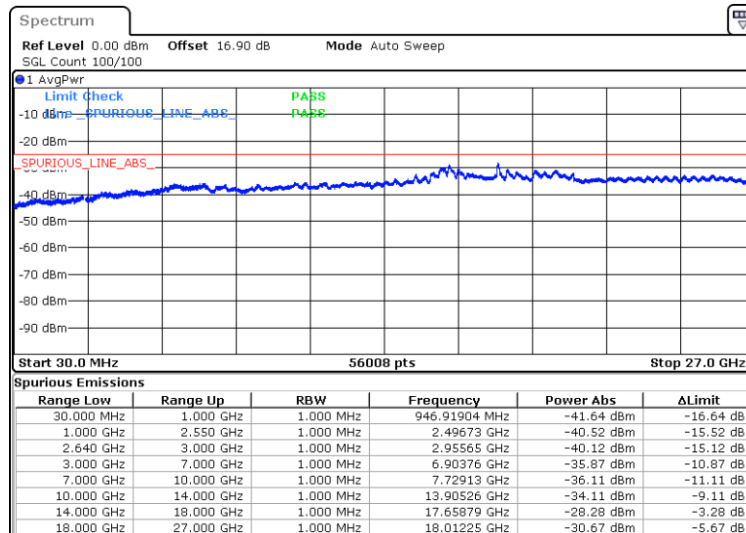
Date: 6.MAR.2025 09:22:35

Middle Channel / QPSK



Date: 6.MAR.2025 09:23:47

Highest Channel / QPSK

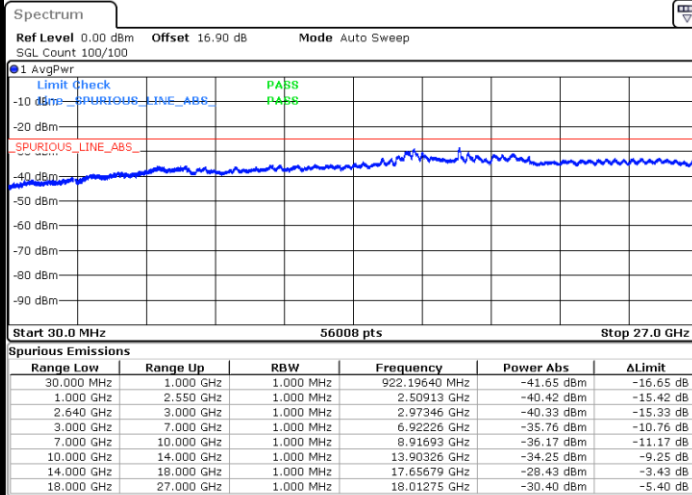


Date: 6.MAR.2025 09:25:00



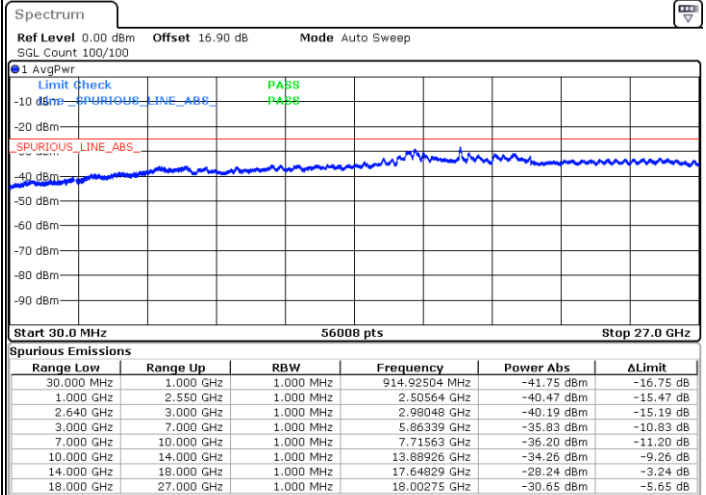
LTE Band 38 / 15MHz

Lowest Channel / QPSK



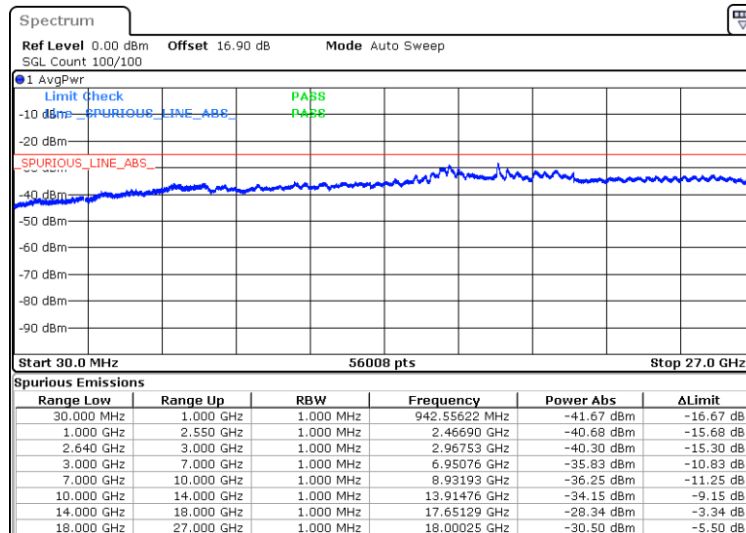
Date: 6.MAR.2025 09:26:13

Middle Channel / QPSK



Date: 6.MAR.2025 09:27:26

Highest Channel / QPSK

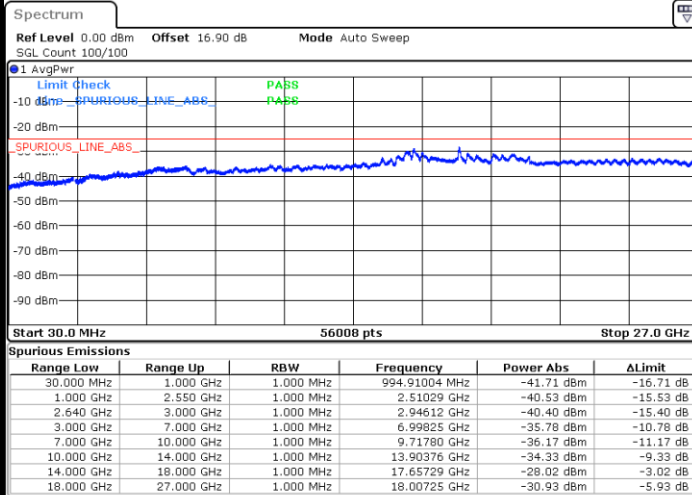


Date: 6.MAR.2025 09:28:39



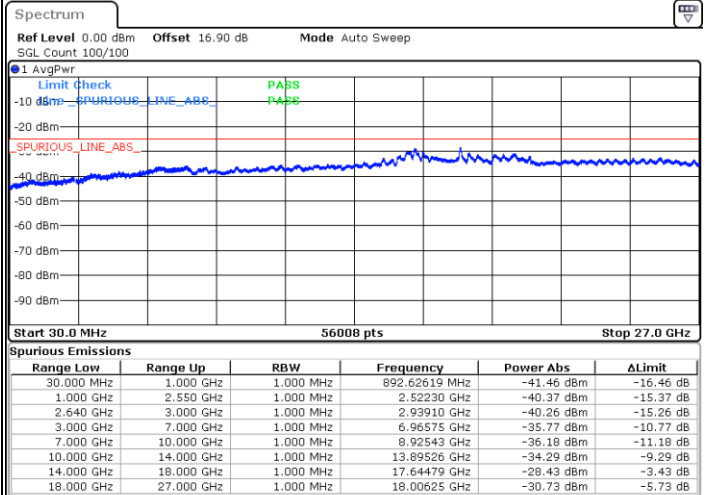
LTE Band 38 / 20MHz

Lowest Channel / QPSK



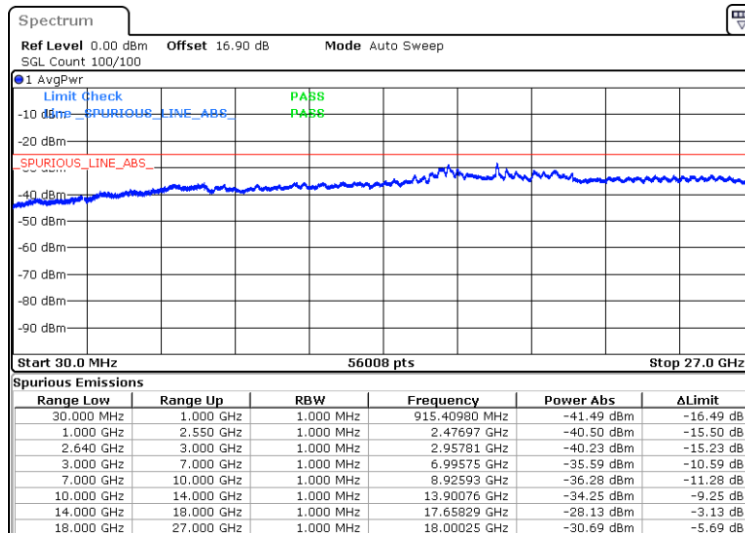
Date: 6.MAR.2025 09:29:52

Middle Channel / QPSK



Date: 6.MAR.2025 09:31:05

Highest Channel / QPSK



Date: 6.MAR.2025 09:32:17

Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0052	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0043	
20	Maximum Voltage	0.0039	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0016	

Note:

1. Normal Voltage = 3.87 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.