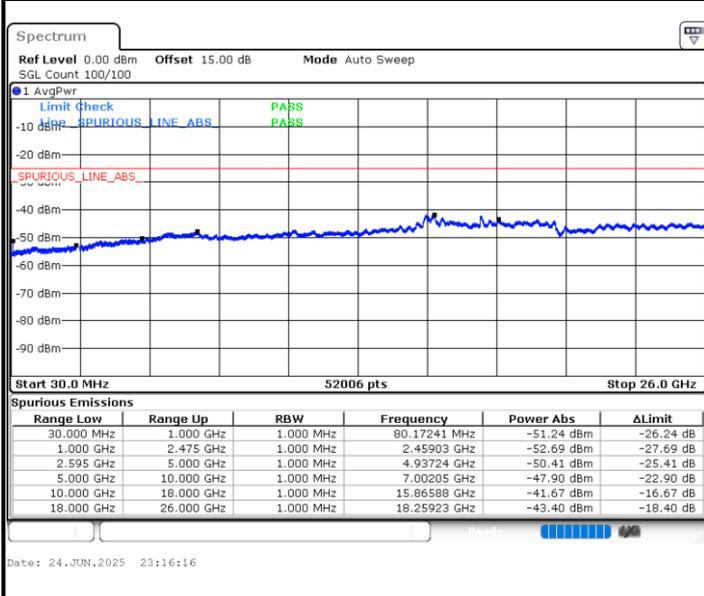


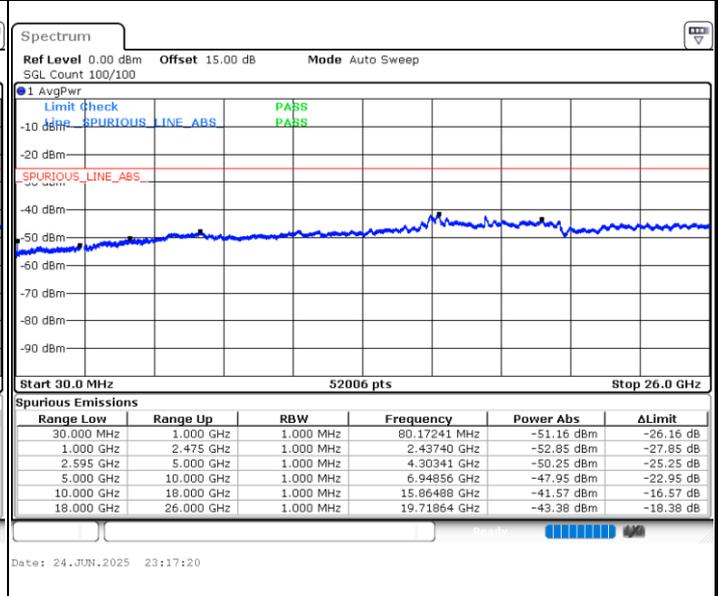


LTE Band 7 / 20MHz

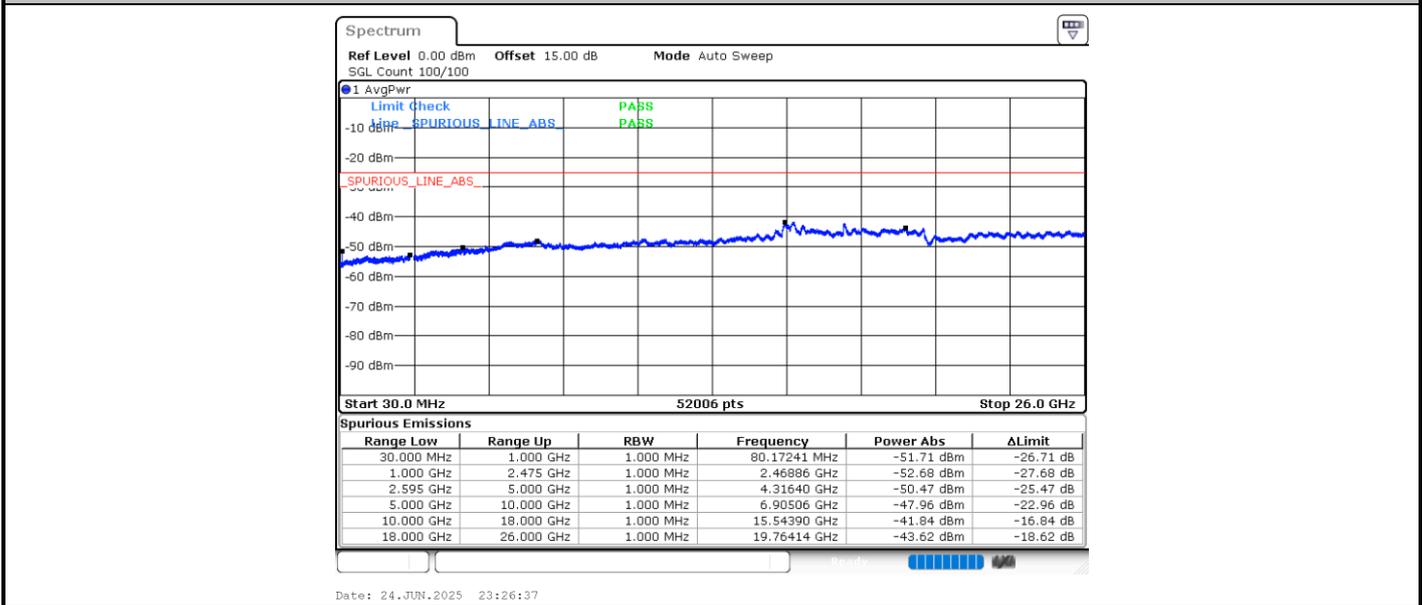
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

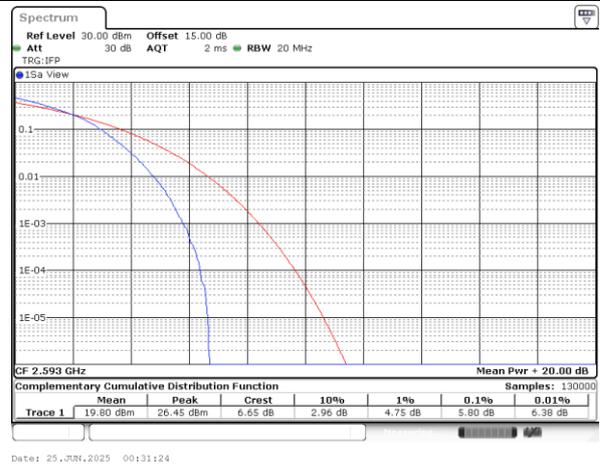
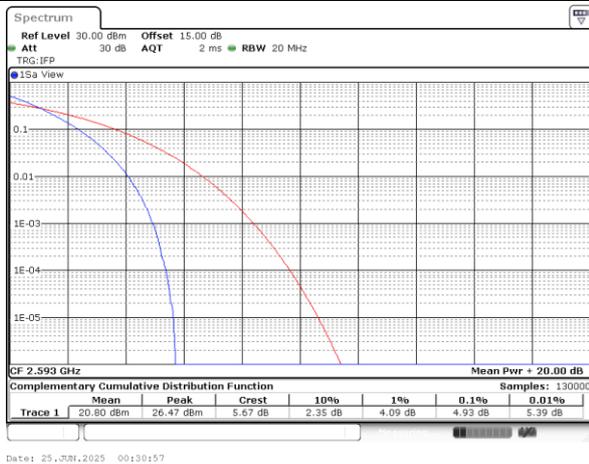


LTE Band 41

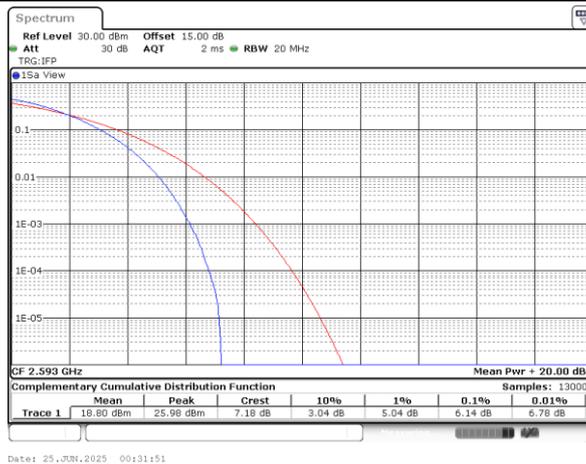
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.93	5.80	6.14	PASS

LTE Band 41 / 20MHz / QPSK	LTE Band 41 / 20MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB



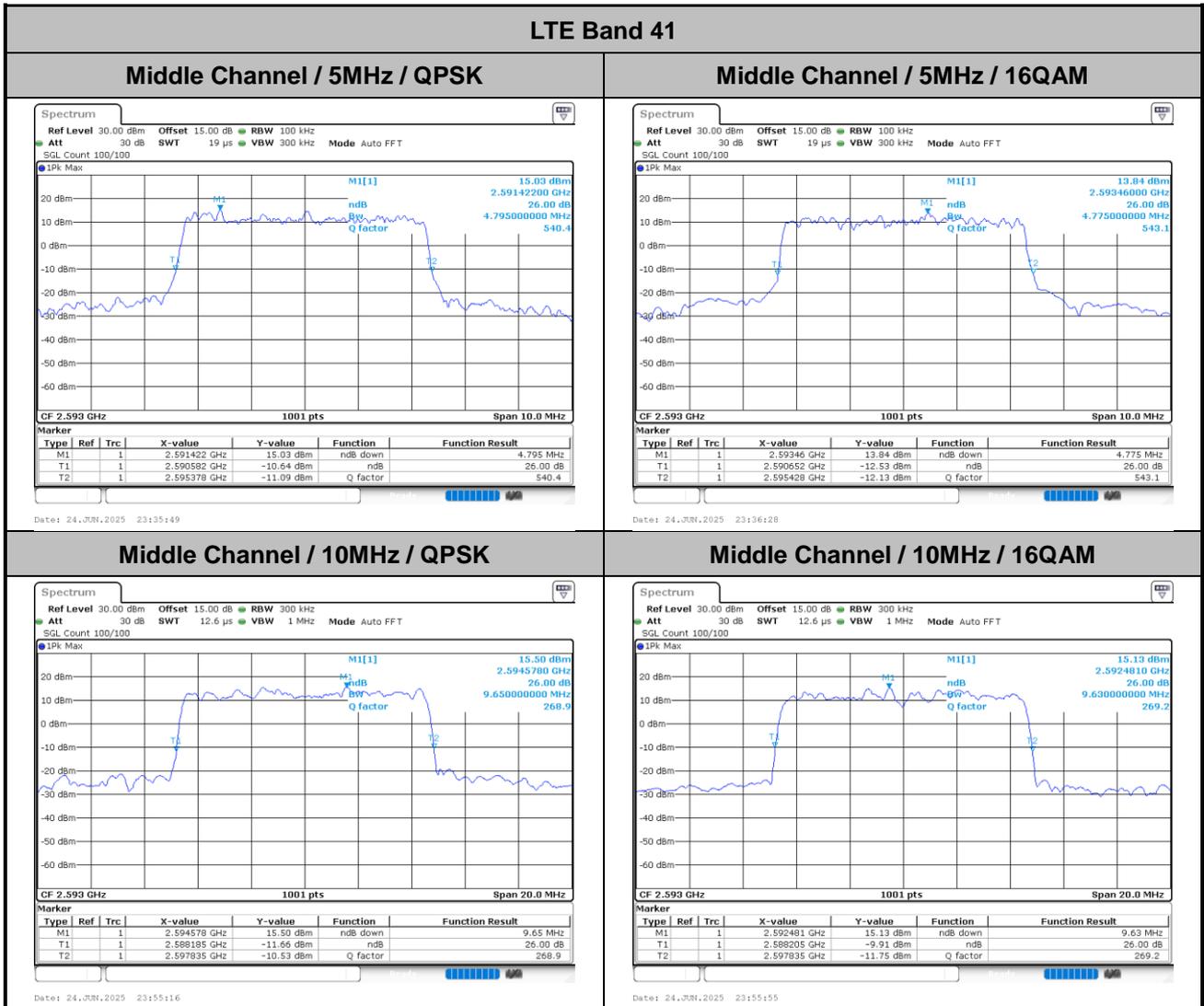
LTE Band 41 / 20MHz / 64QAM
Middle Channel / Full RB





26dB Bandwidth

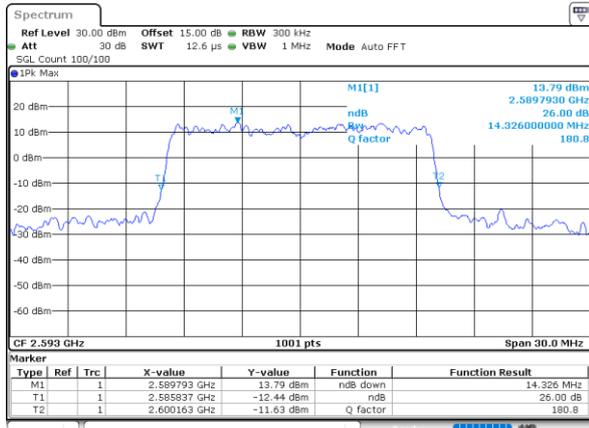
Mode	LTE Band 41 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.80	4.78	9.65	9.63	14.33	14.42	18.70	18.66





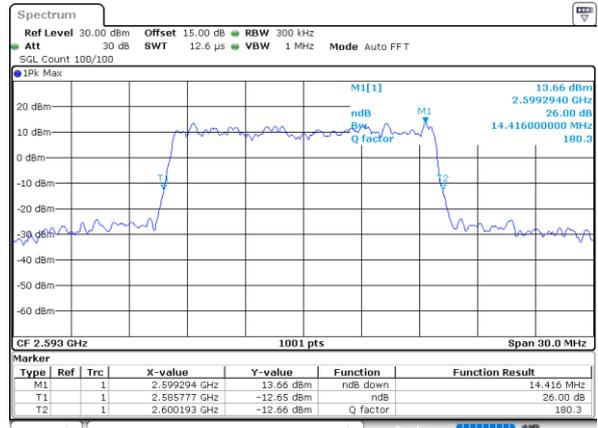
LTE Band 41

Middle Channel / 15MHz / QPSK



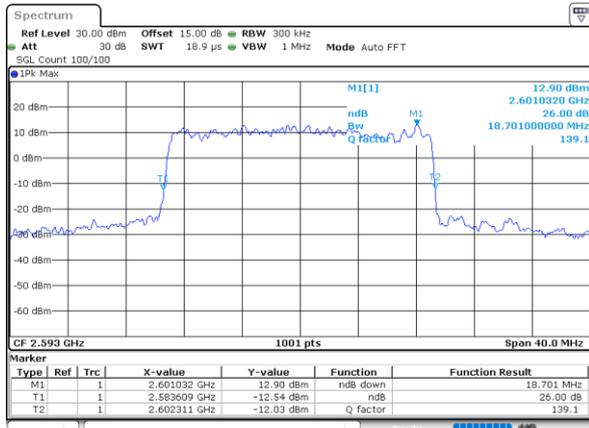
Date: 25 JUN 2025 00:12:14

Middle Channel / 15MHz / 16QAM



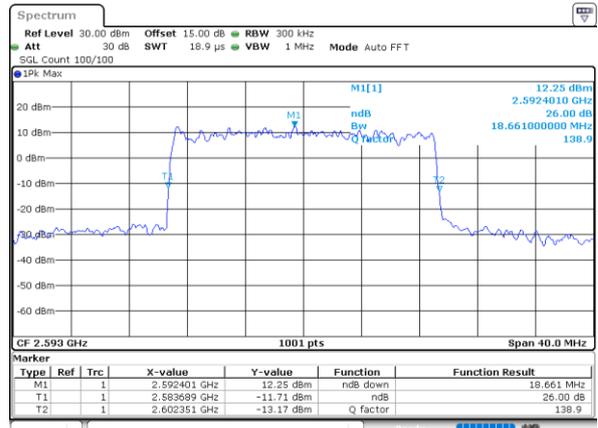
Date: 25 JUN 2025 00:13:13

Middle Channel / 20MHz / QPSK



Date: 25 JUN 2025 00:29:51

Middle Channel / 20MHz / 16QAM

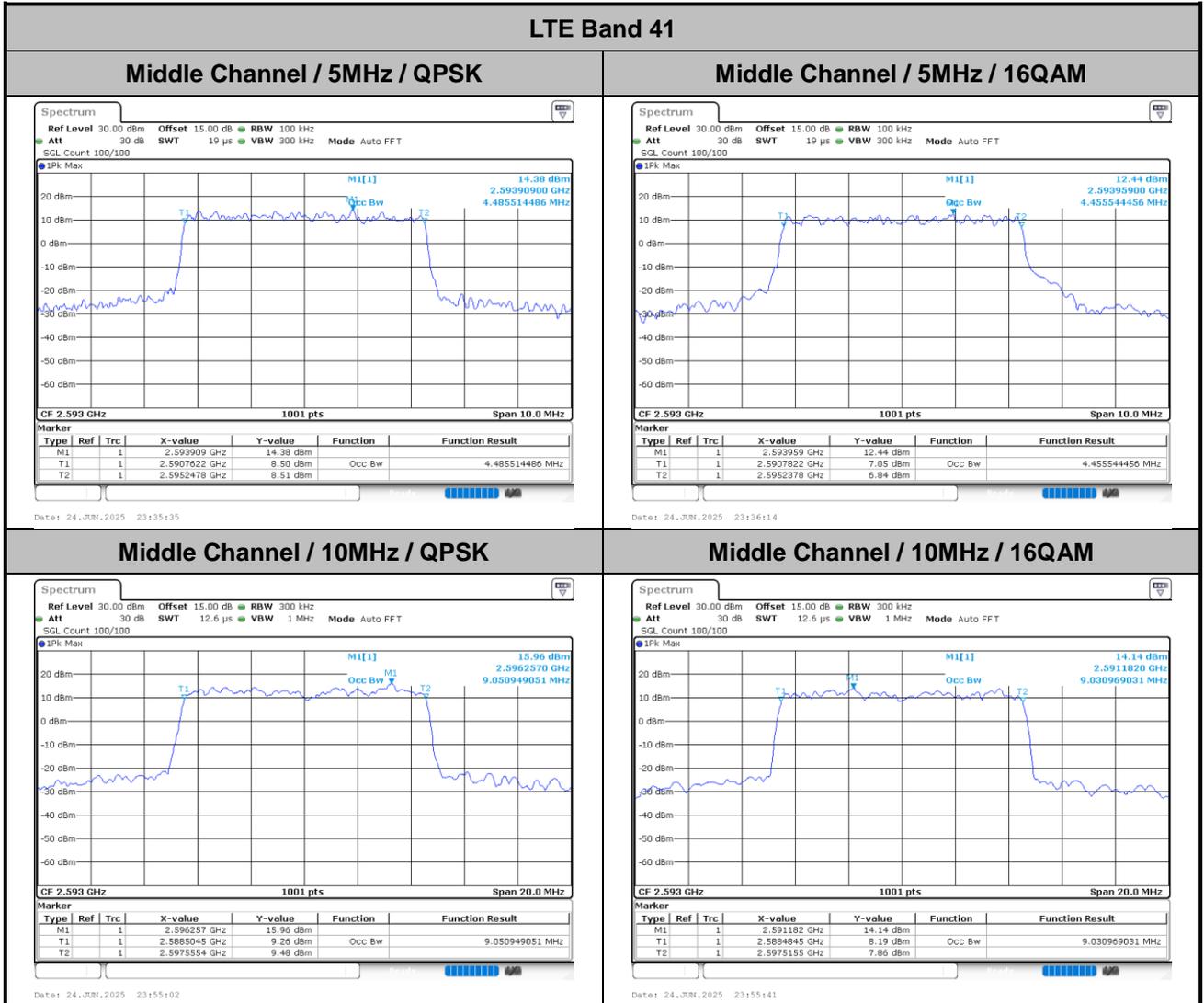


Date: 25 JUN 2025 00:30:31



Occupied Bandwidth

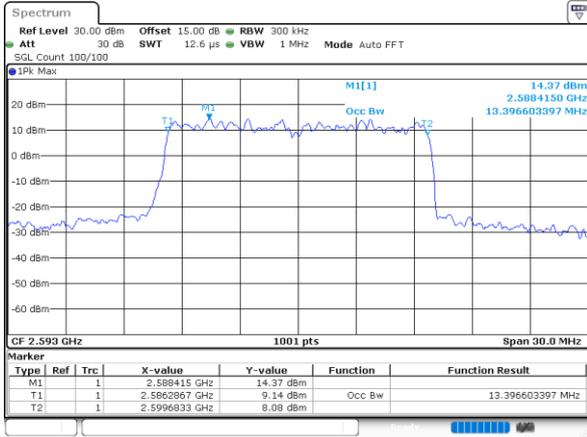
Mode	LTE Band 41 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.49	4.46	9.05	9.03	13.40	13.40	17.86	17.90





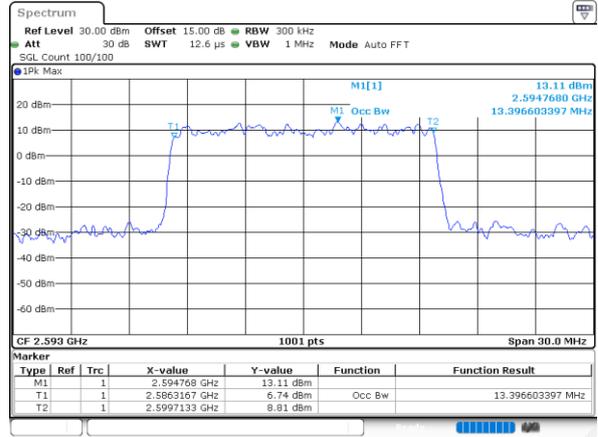
LTE Band 41

Middle Channel / 15MHz / QPSK



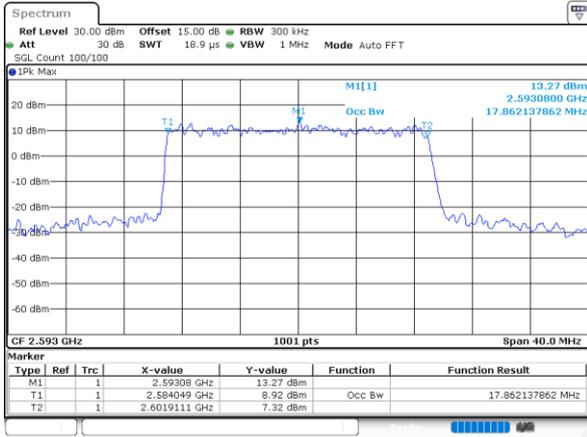
Date: 25 JUN 2025 00:12:20

Middle Channel / 15MHz / 16QAM



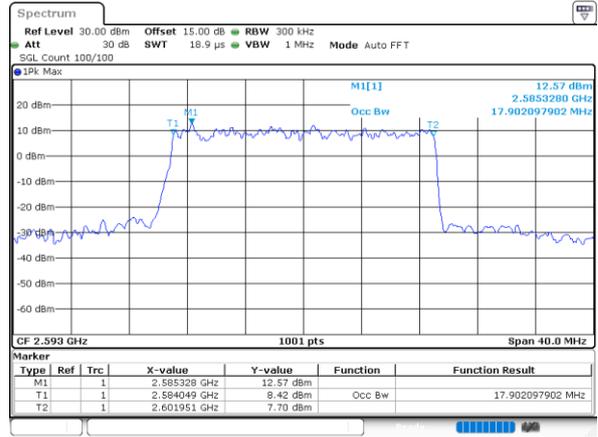
Date: 25 JUN 2025 00:12:59

Middle Channel / 20MHz / QPSK



Date: 25 JUN 2025 00:29:37

Middle Channel / 20MHz / 16QAM



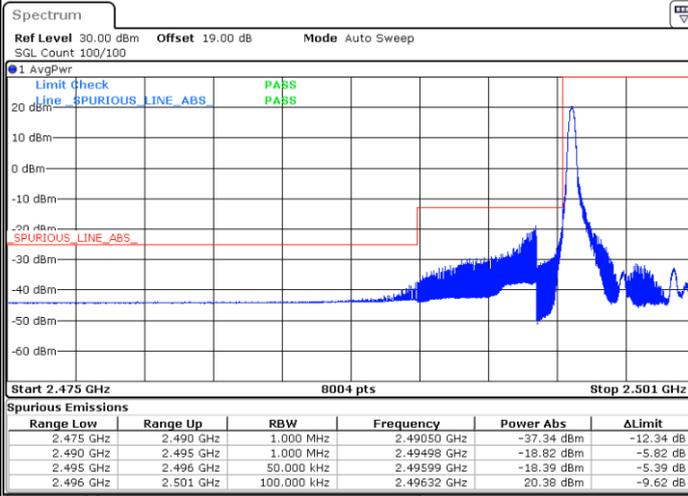
Date: 25 JUN 2025 00:30:17



Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



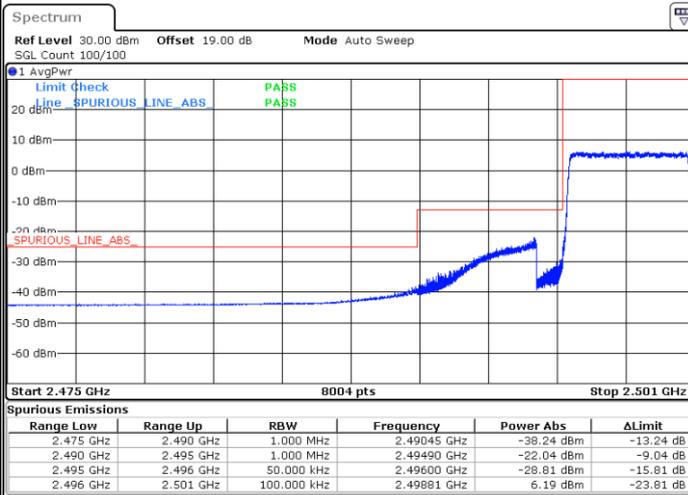
Date: 24.JUN.2025 23:28:17

Highest Band Edge / 1 RB



Date: 24.JUN.2025 23:37:31

Lowest Band Edge / Full RB



Date: 24.JUN.2025 23:32:58

Highest Band Edge / Full RB



Date: 24.JUN.2025 23:42:49



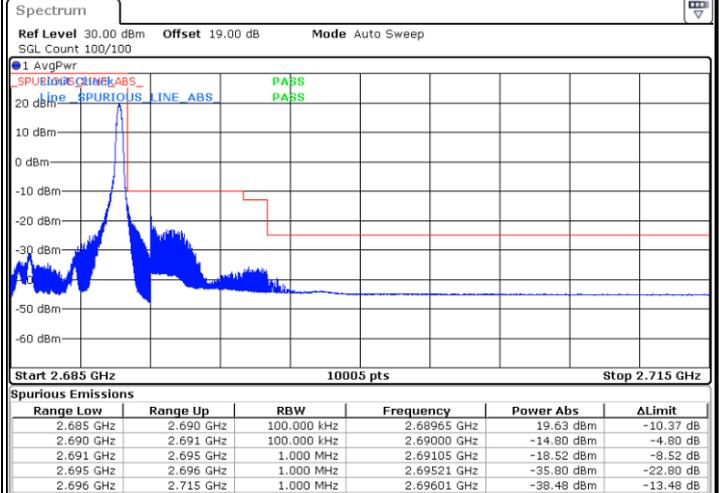
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Date: 24 JUN 2025 23:29:13

Highest Band Edge / 1 RB



Date: 24 JUN 2025 23:38:34

Lowest Band Edge / Full RB



Date: 24 JUN 2025 23:32:02

Highest Band Edge / Full RB



Date: 24 JUN 2025 23:41:45



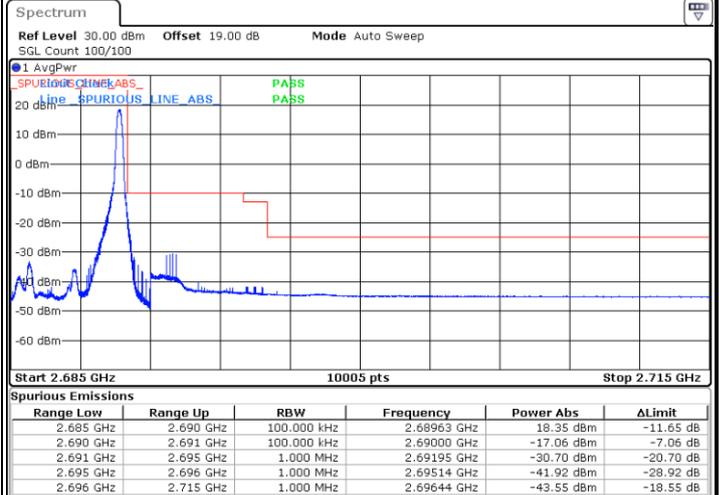
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



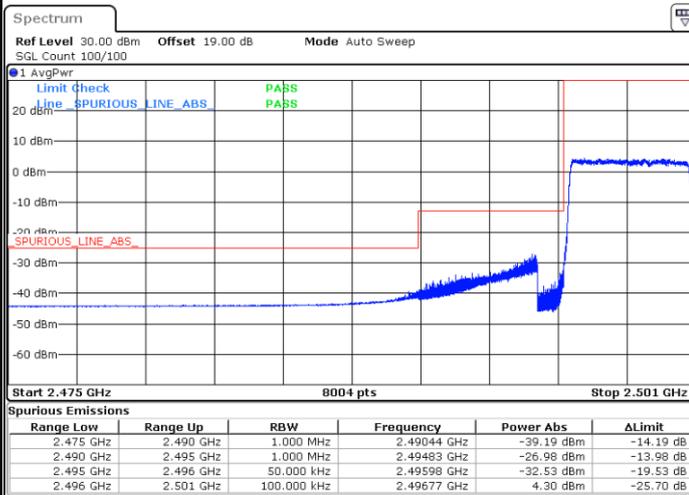
Date: 24 JUN 2025 23:30:09

Highest Band Edge / 1 RB



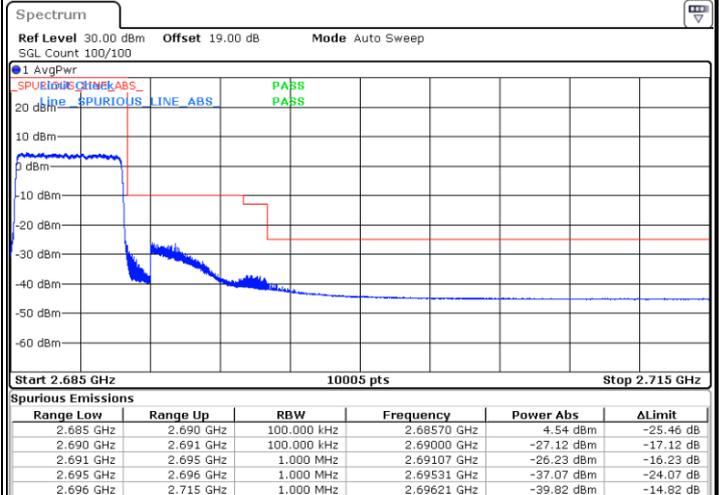
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Lowest Band Edge / Full RB



Date: 24 JUN 2025 23:31:05

Highest Band Edge / Full RB

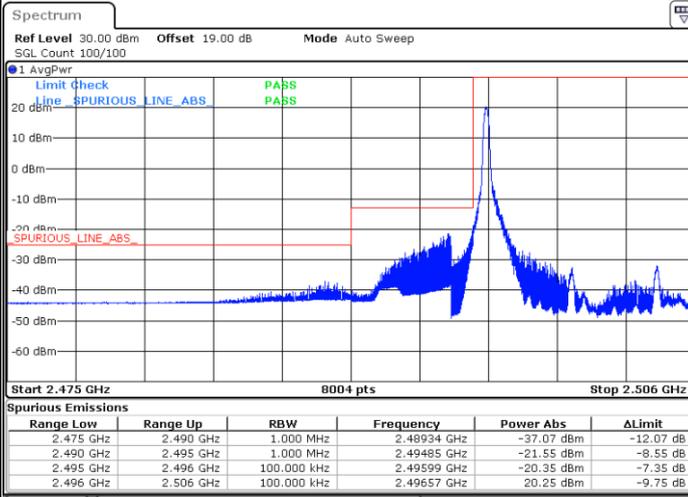


Date: 24 JUN 2025 23:40:42



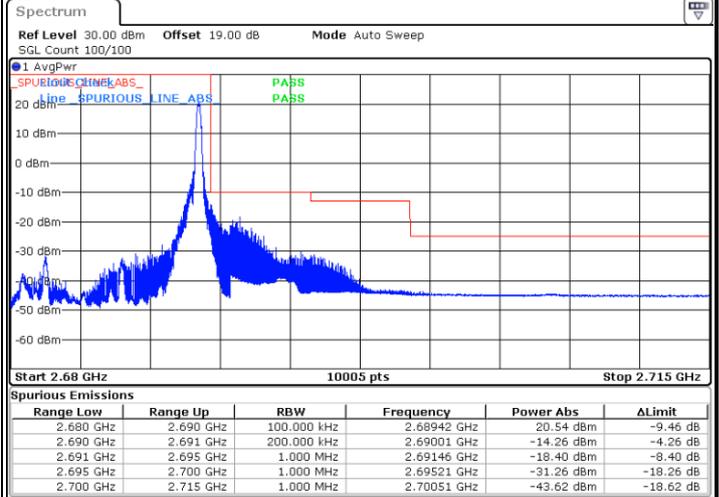
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



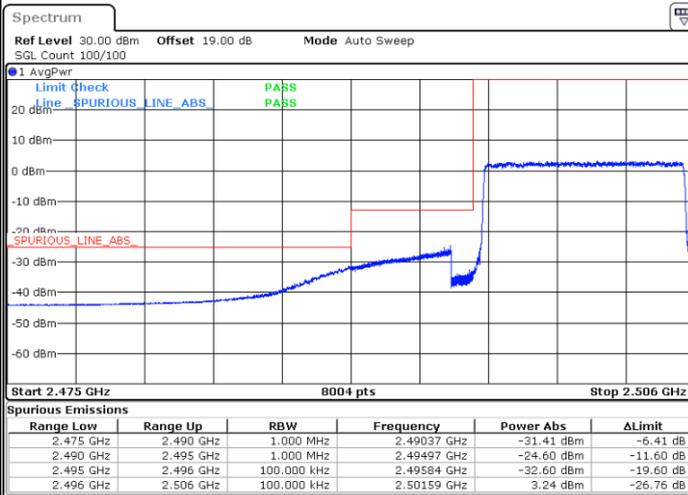
Date: 24.JUN.2025 23:46:25

Highest Band Edge / 1 RB



Date: 24.JUN.2025 23:56:50

Lowest Band Edge / Full RB



Date: 24.JUN.2025 23:52:25

Highest Band Edge / Full RB

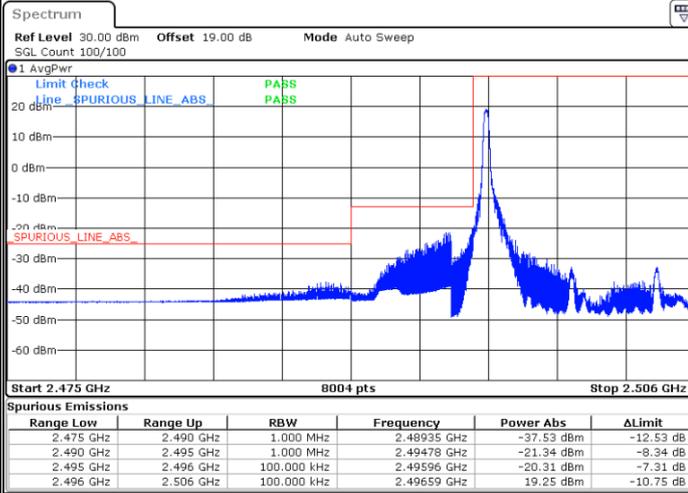


Date: 25.JUN.2025 00:01:28



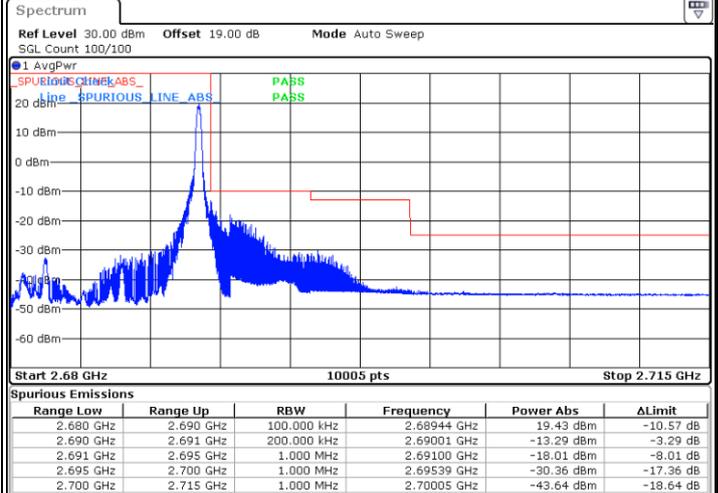
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



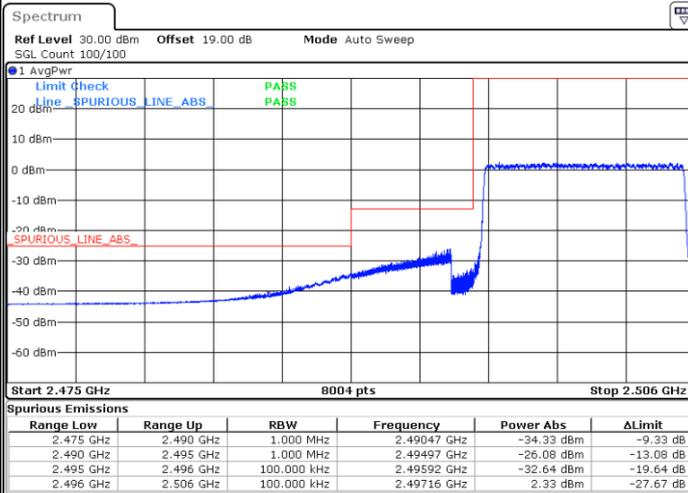
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Highest Band Edge / 1 RB



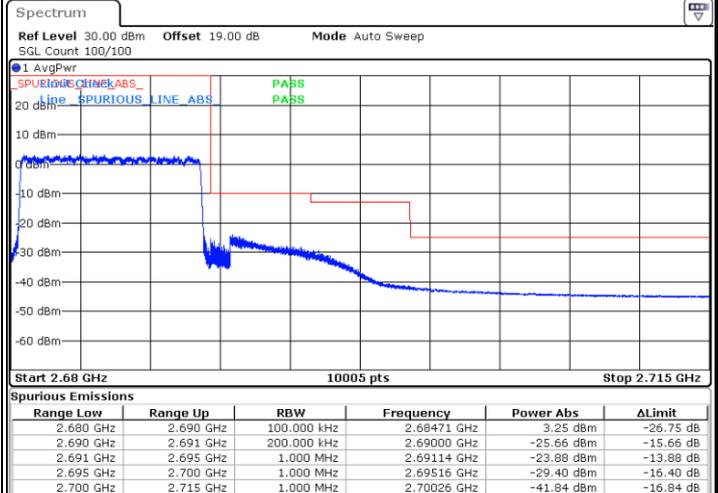
Date: 24 JUN 2025 23:57:46

Lowest Band Edge / Full RB



Date: 24 JUN 2025 23:51:29

Highest Band Edge / Full RB

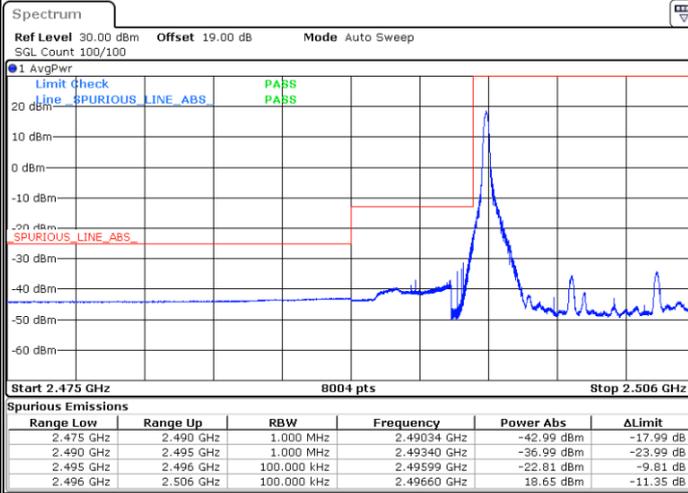


Date: 25 JUN 2025 00:00:32



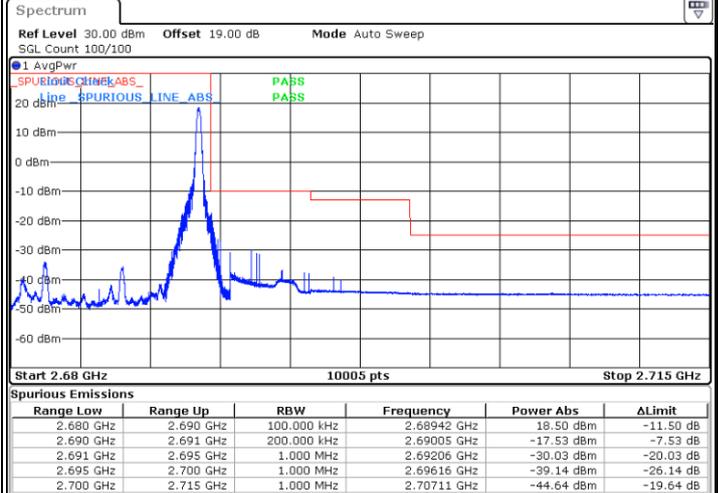
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



Date: 24. JUN. 2025 23:49:37

Highest Band Edge / 1 RB



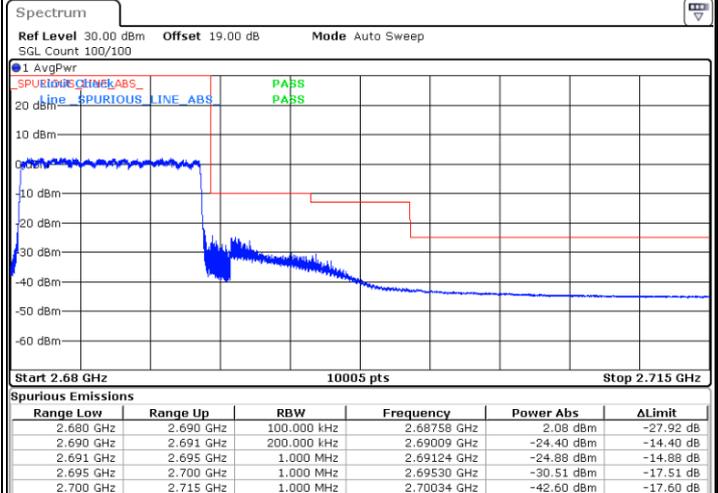
Date: 24. JUN. 2025 23:58:41

Lowest Band Edge / Full RB



Date: 24. JUN. 2025 23:50:33

Highest Band Edge / Full RB

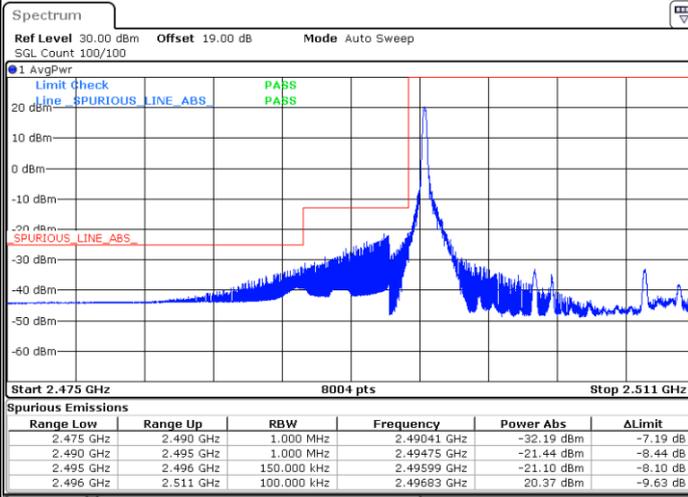


Date: 24. JUN. 2025 23:59:37



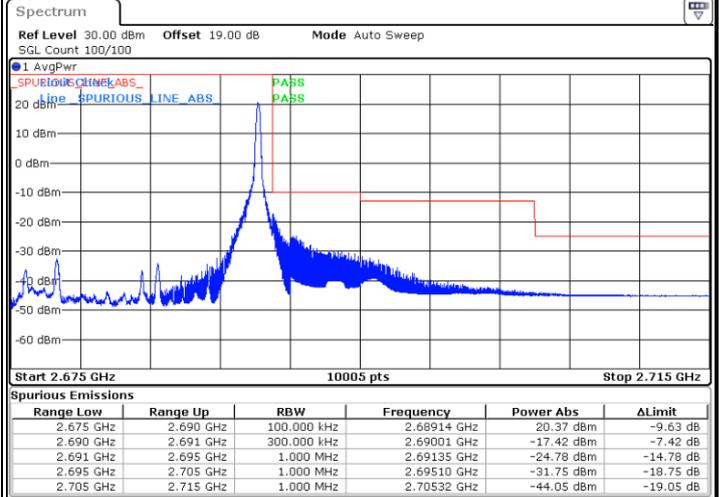
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



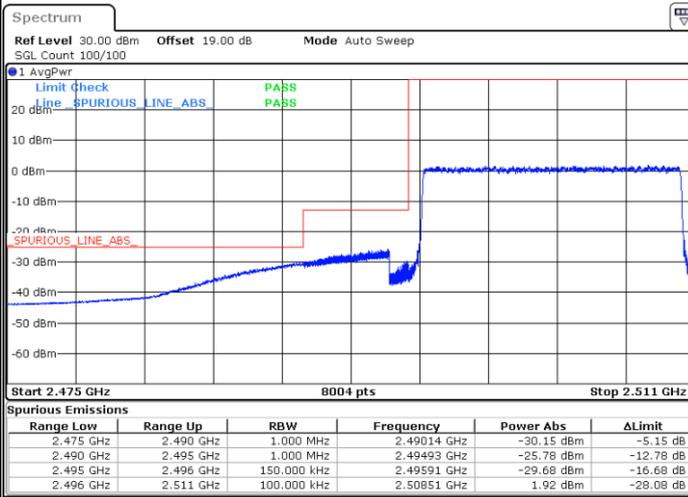
Date: 25 JUN 2025 00:05:03

Highest Band Edge / 1 RB



Date: 25 JUN 2025 00:14:08

Lowest Band Edge / Full RB



Date: 25 JUN 2025 00:09:42

Highest Band Edge / Full RB

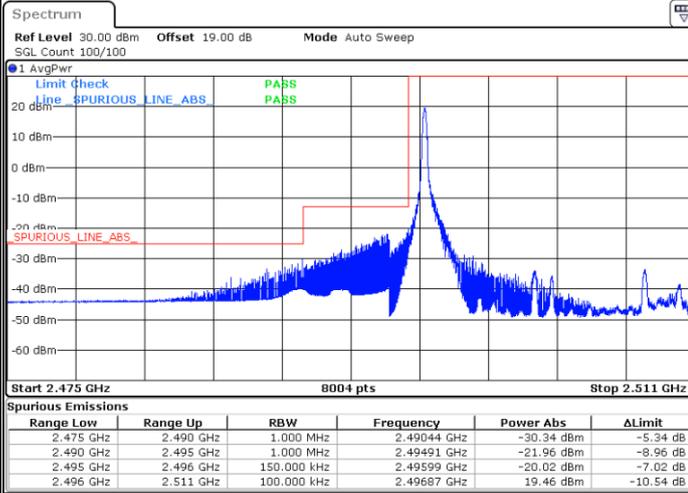


Date: 25 JUN 2025 00:18:46



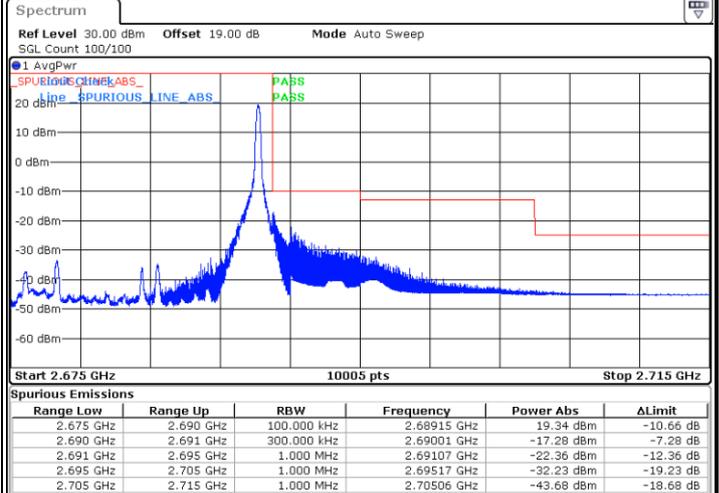
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



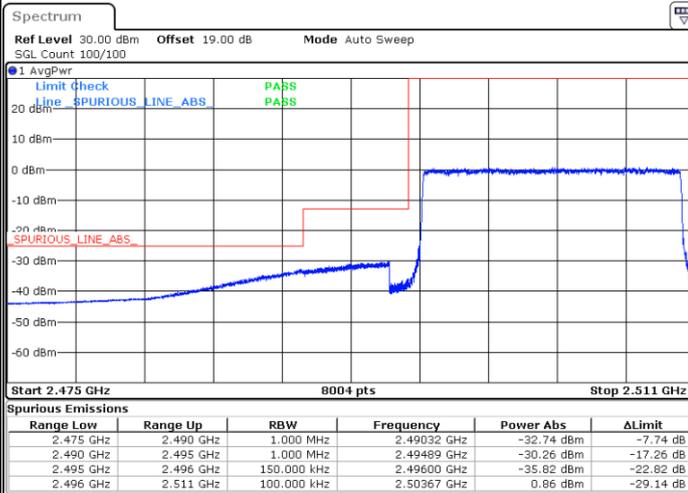
Date: 25 JUN.2025 00:05:59

Highest Band Edge / 1 RB



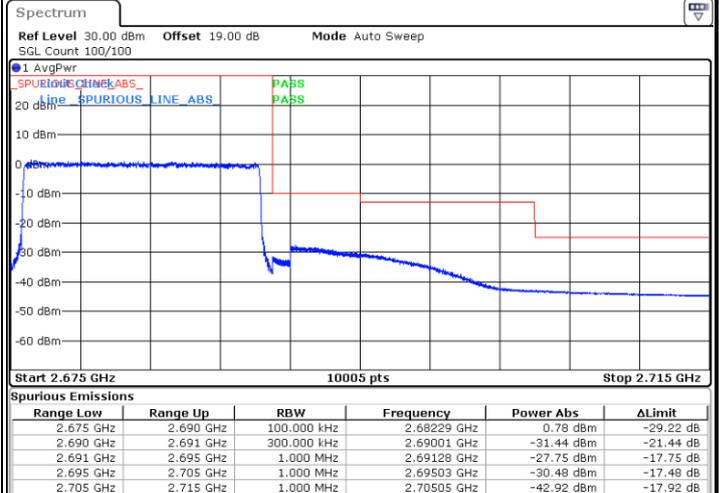
Date: 25 JUN.2025 00:15:03

Lowest Band Edge / Full RB



Date: 25 JUN.2025 00:08:46

Highest Band Edge / Full RB

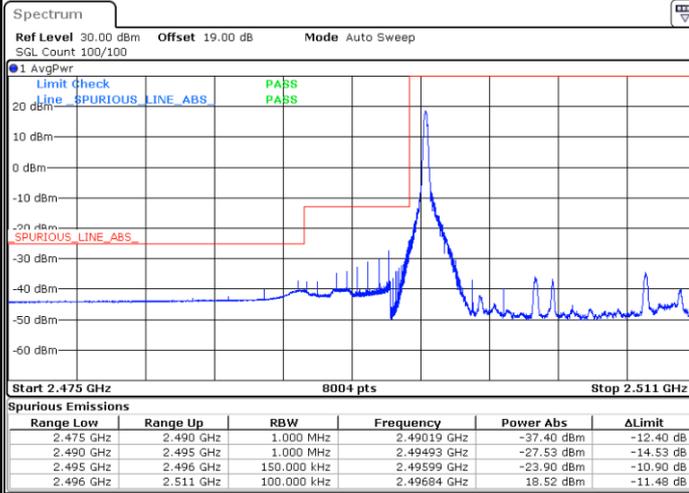


Date: 25 JUN.2025 00:17:50



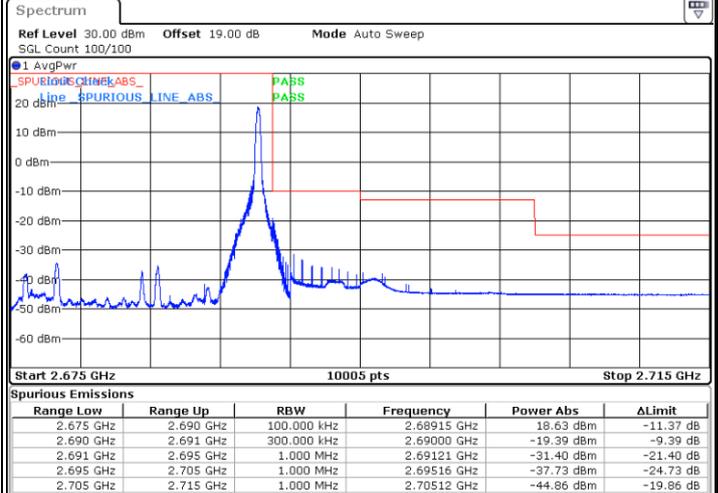
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



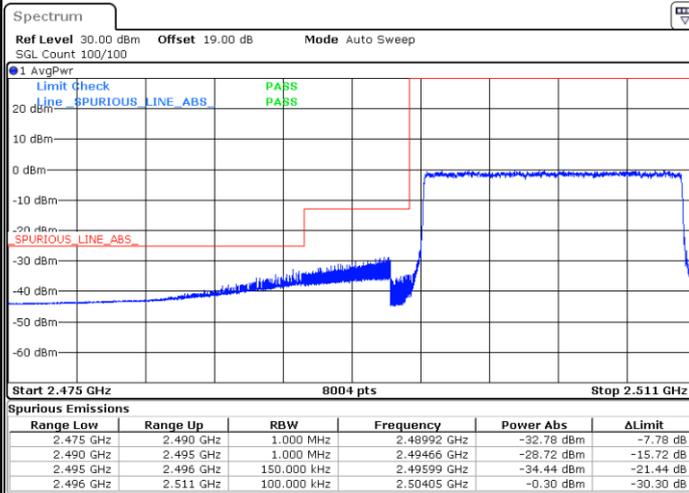
Date: 25 JUN 2025 00:06:55

Highest Band Edge / 1 RB



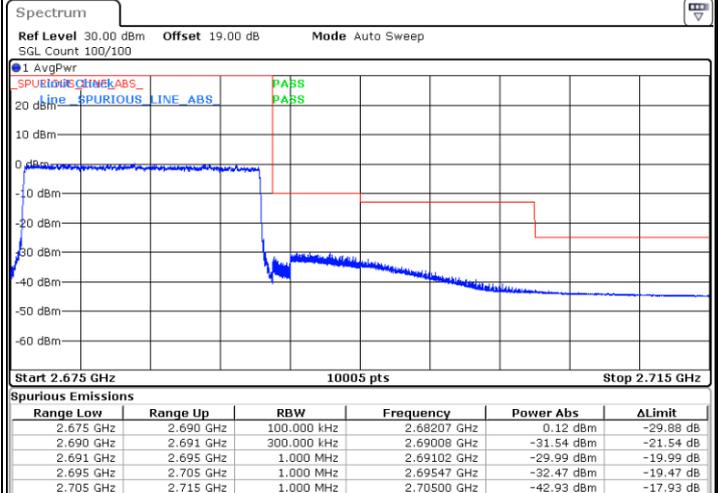
Date: 25 JUN 2025 00:15:59

Lowest Band Edge / Full RB



Date: 25 JUN 2025 00:07:51

Highest Band Edge / Full RB

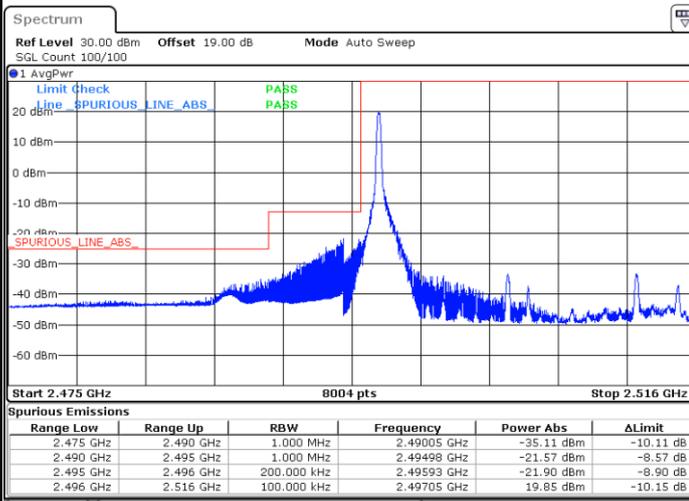


Date: 25 JUN 2025 00:16:55



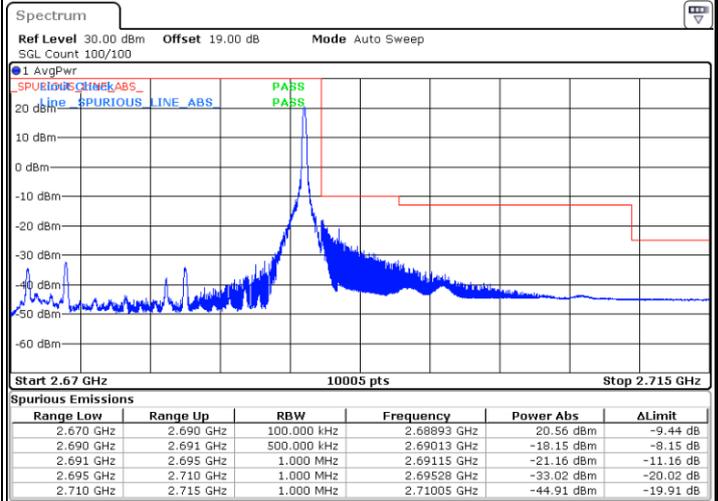
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



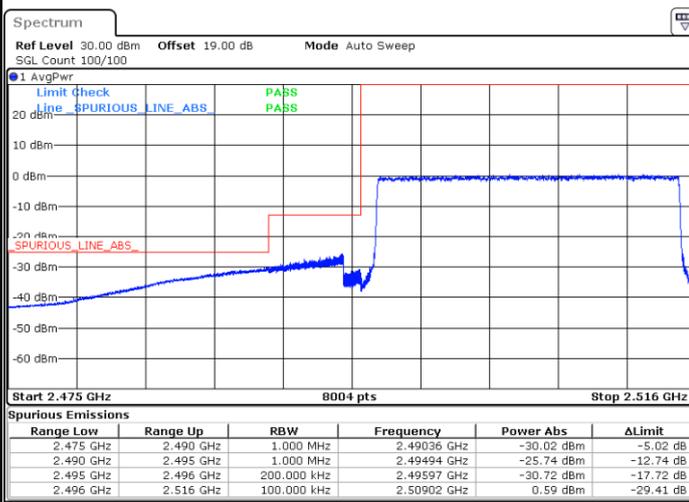
Date: 25 JUN 2025 00:22:21

Highest Band Edge / 1 RB



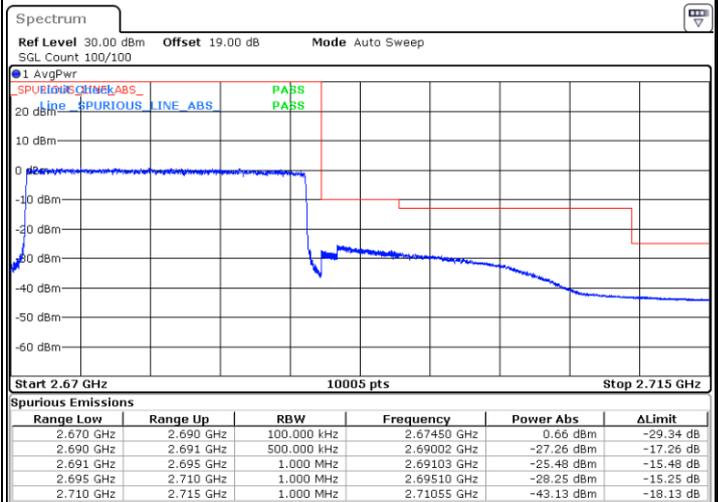
Date: 25 JUN 2025 00:32:46

Lowest Band Edge / Full RB



Date: 25 JUN 2025 00:27:00

Highest Band Edge / Full RB

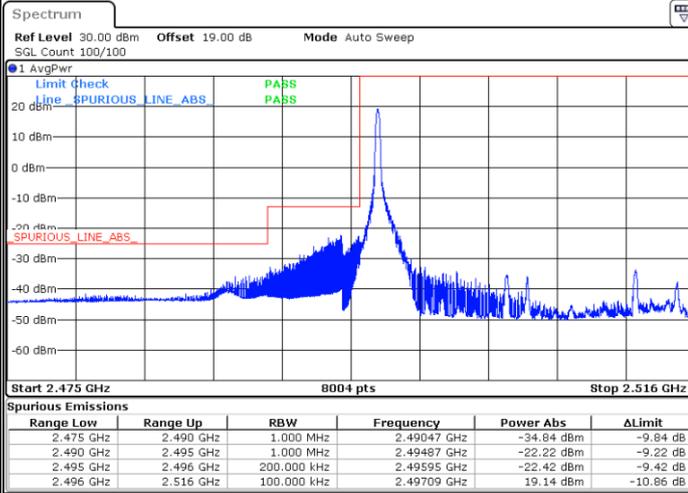


Date: 25 JUN 2025 00:37:24



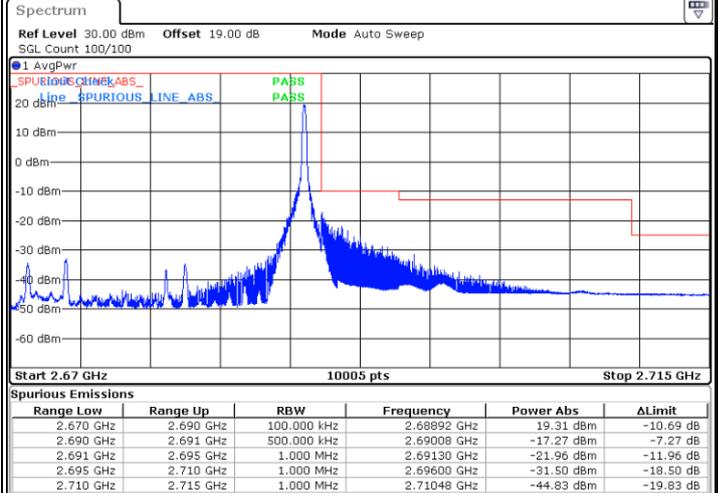
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



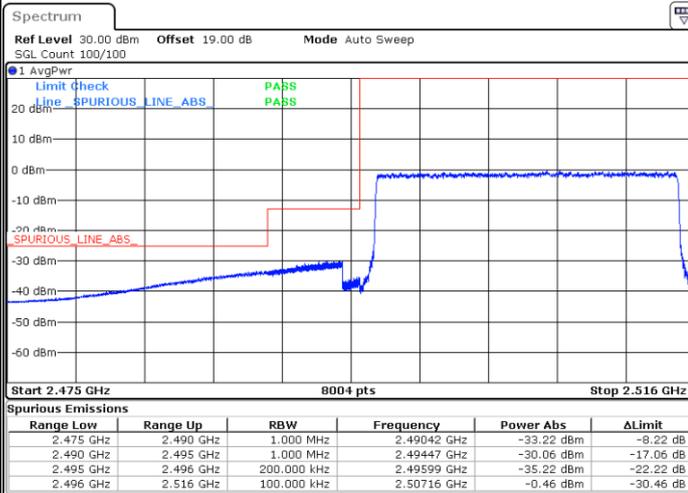
Date: 25 JUN 2025 00:23:17

Highest Band Edge / 1 RB



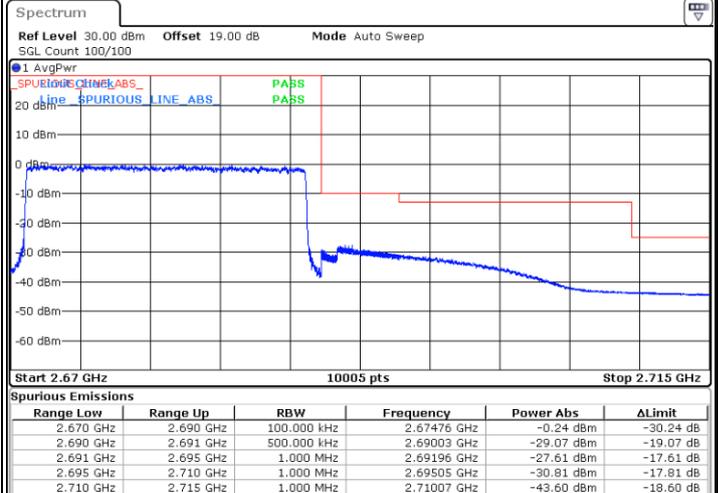
Date: 25 JUN 2025 00:33:41

Lowest Band Edge / Full RB



Date: 25 JUN 2025 00:26:05

Highest Band Edge / Full RB

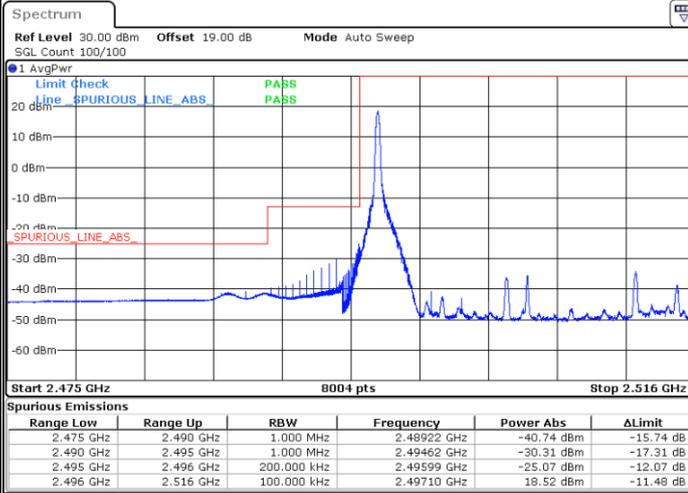


Date: 25 JUN 2025 00:36:29



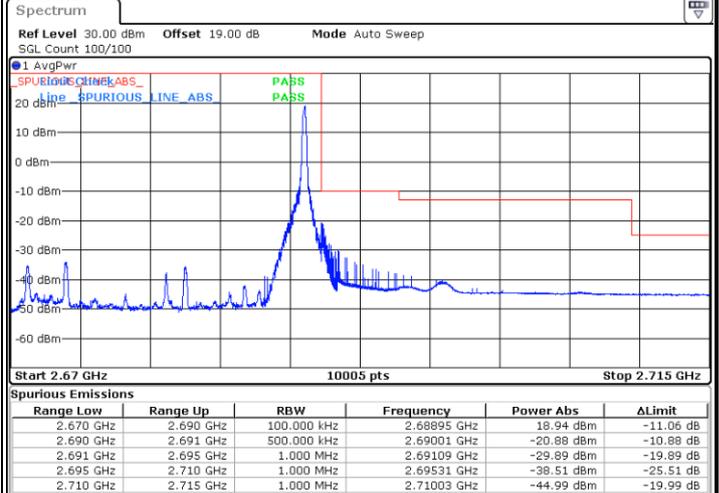
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



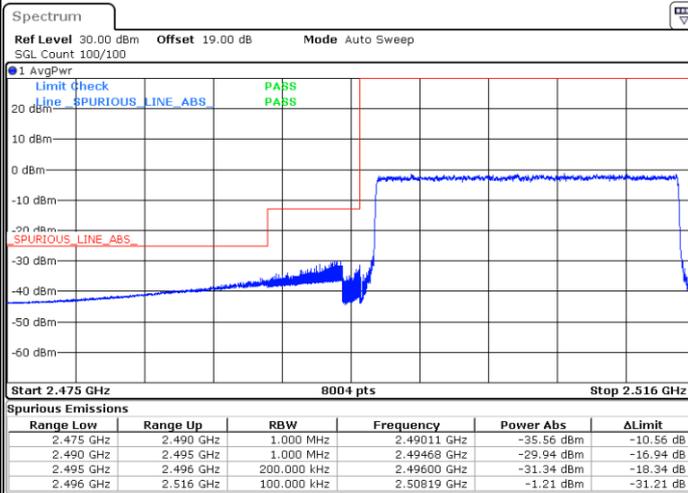
Date: 25 JUN.2025 00:24:13

Highest Band Edge / 1 RB



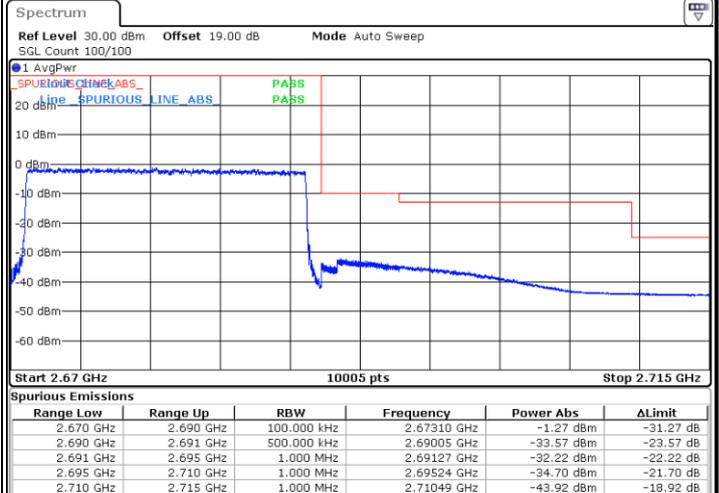
Date: 25 JUN.2025 00:34:37

Lowest Band Edge / Full RB



Date: 25 JUN.2025 00:25:09

Highest Band Edge / Full RB



Date: 25 JUN.2025 00:35:32

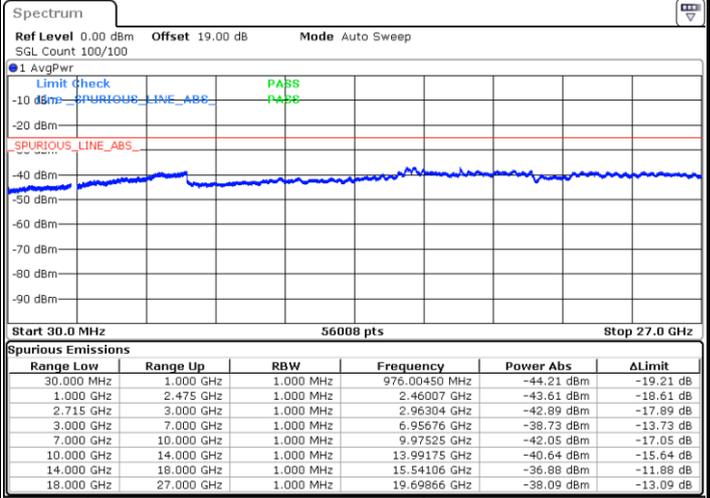
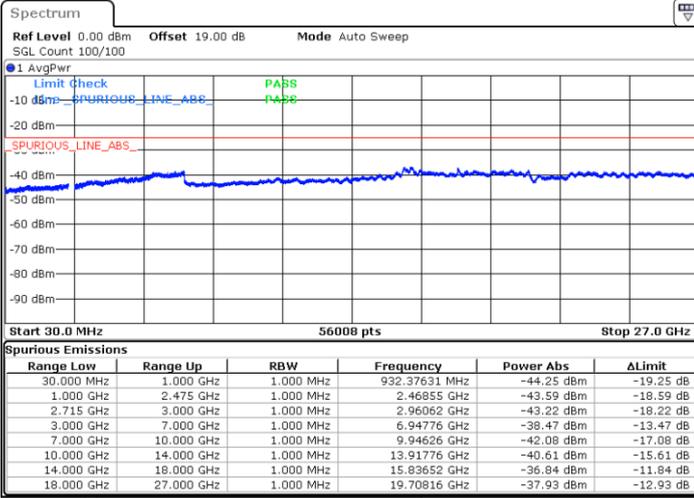


Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

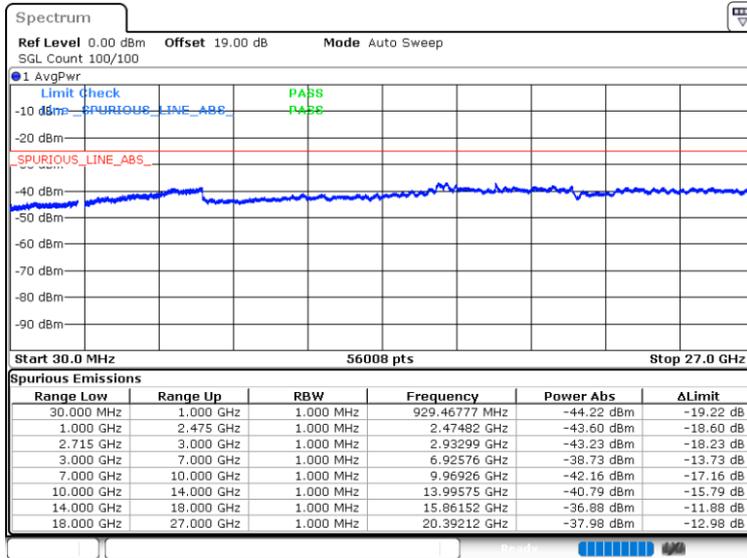
Middle Channel / QPSK



Date: 24.JUN.2025 23:34:04

Date: 24.JUN.2025 23:35:09

Highest Channel / QPSK



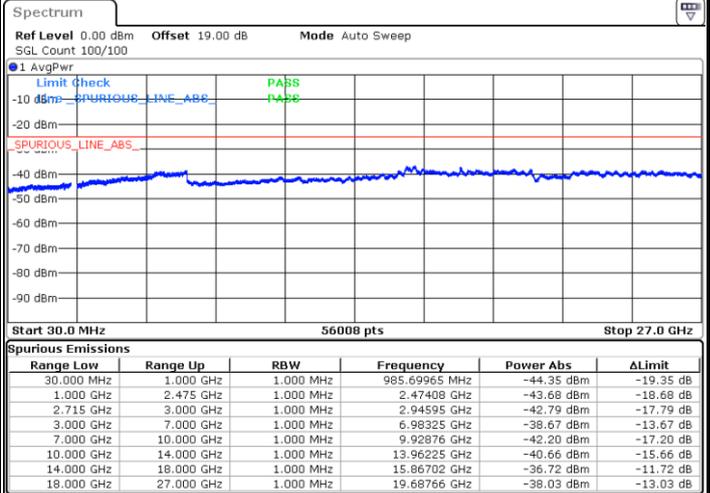
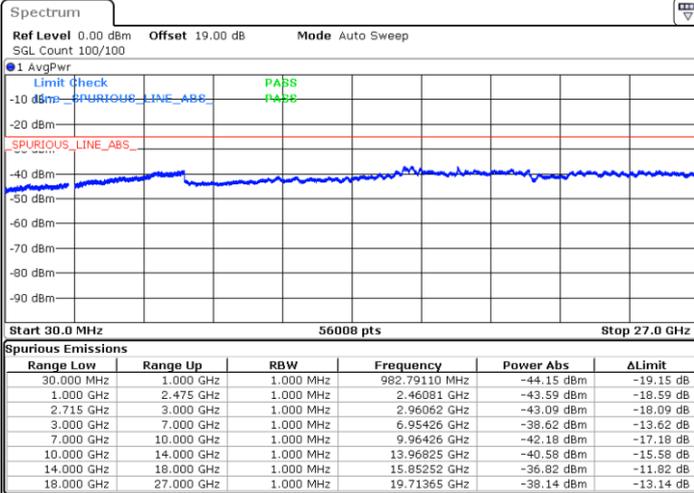
Date: 24.JUN.2025 23:43:55



LTE Band 41 / 10MHz

Lowest Channel / QPSK

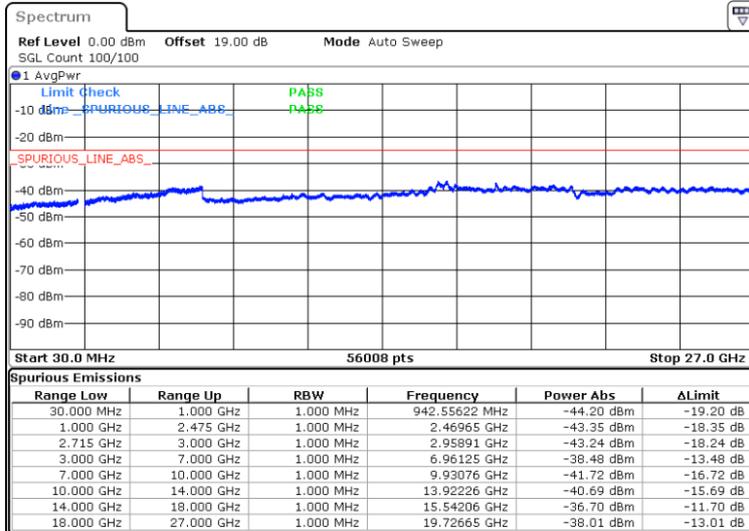
Middle Channel / QPSK



Date: 24.JUN.2025 23:53:31

Date: 24.JUN.2025 23:54:36

Highest Channel / QPSK



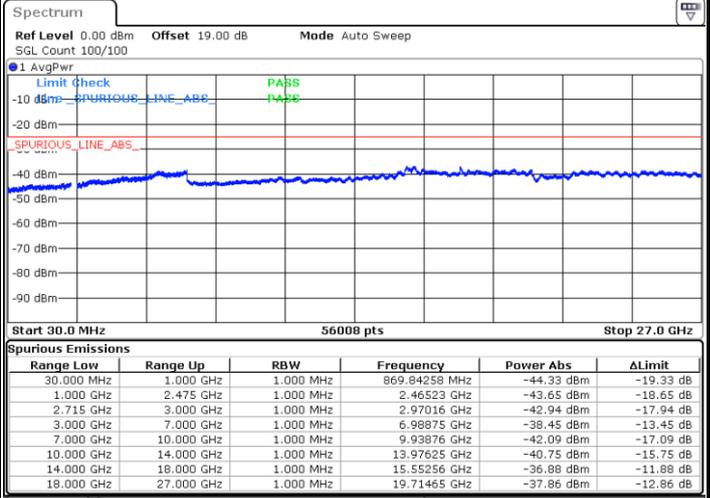
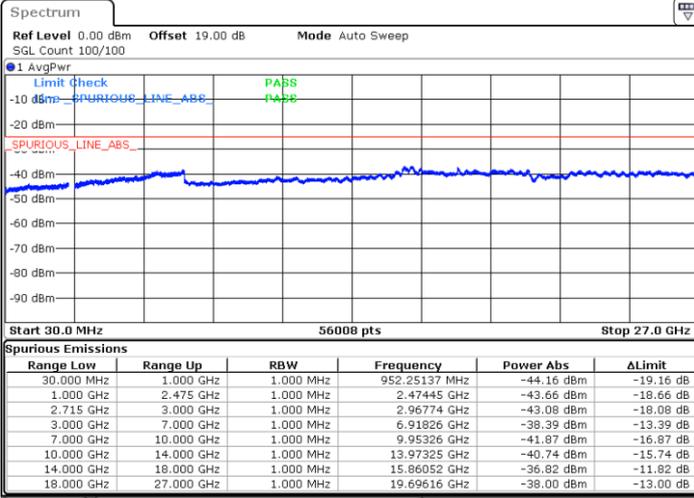
Date: 25.JUN.2025 00:02:34



LTE Band 41 / 15MHz

Lowest Channel / QPSK

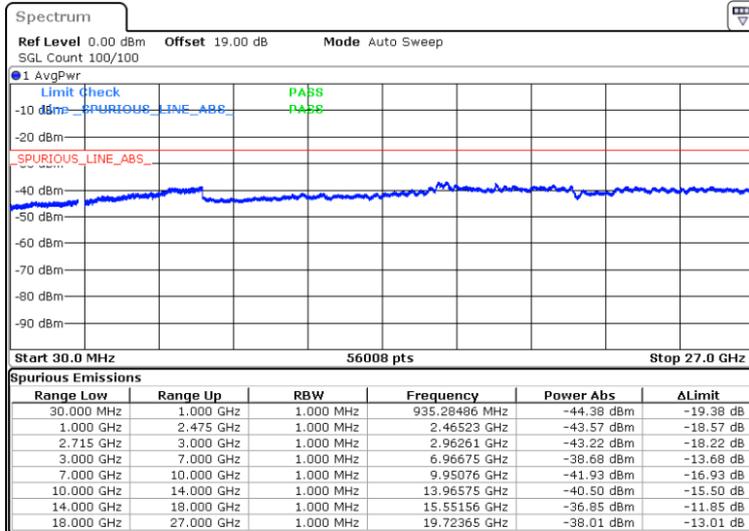
Middle Channel / QPSK



Date: 25 JUN.2025 00:10:48

Date: 25 JUN.2025 00:11:53

Highest Channel / QPSK



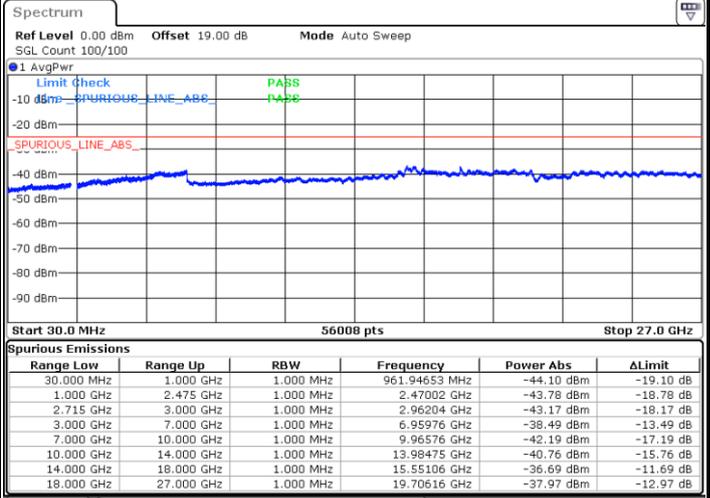
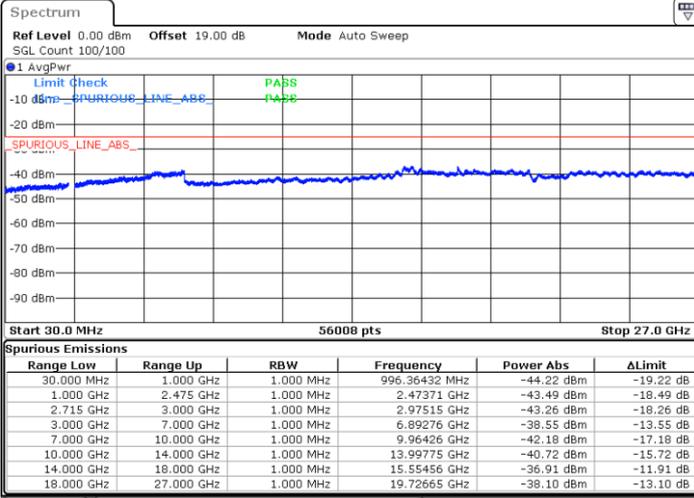
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LTE Band 41 / 20MHz

Lowest Channel / QPSK

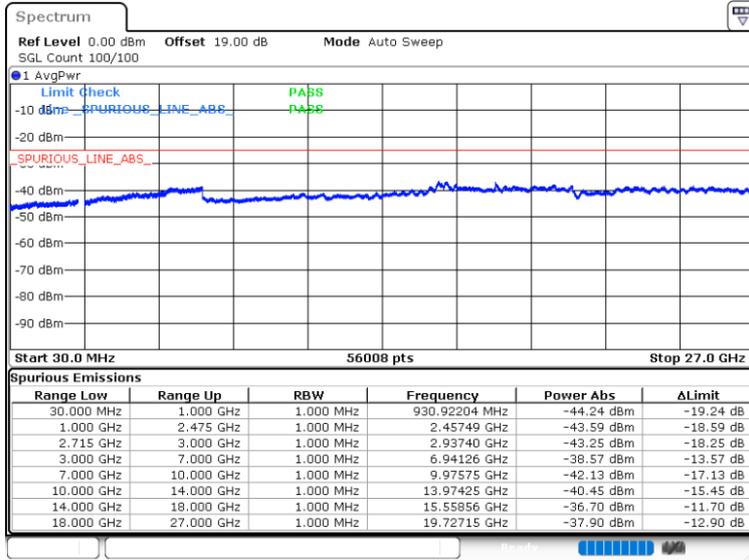
Middle Channel / QPSK



Date: 25 JUN.2025 00:28:06

Date: 25 JUN.2025 00:29:11

Highest Channel / QPSK



Date: 25 JUN.2025 00:38:29



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE CA_7C

26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	30.09	25.43	30.75	35.04
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	34.97	40.04	

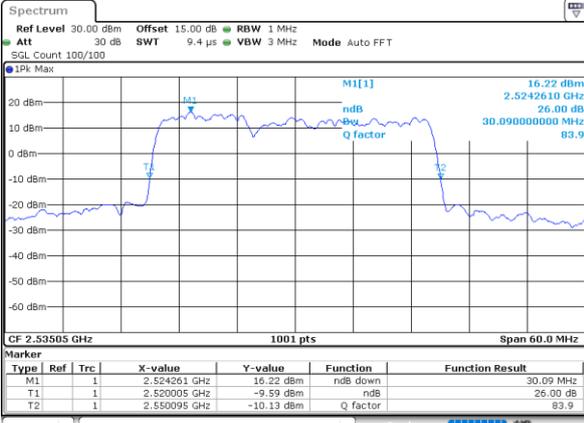
Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	30.03	25.43	32.97	35.04
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.97	35.04	39.96	



LTE Band 7C

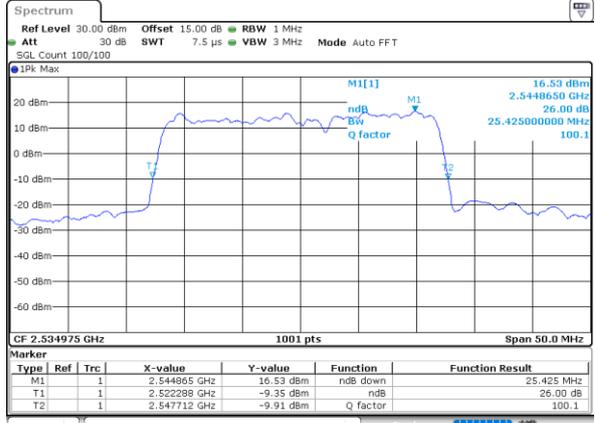
QPSK

Middle Channel / 10MHz+20MHz



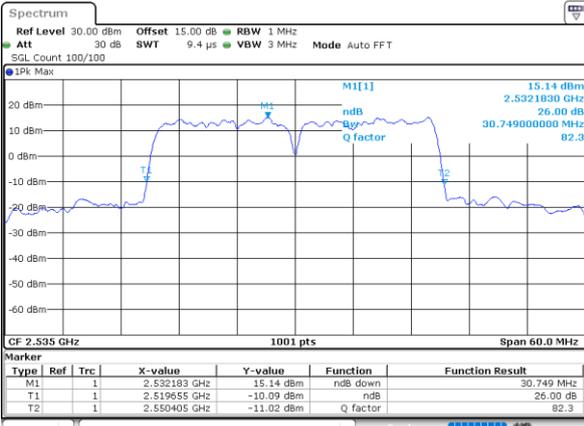
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Middle Channel / 15MHz+10MHz



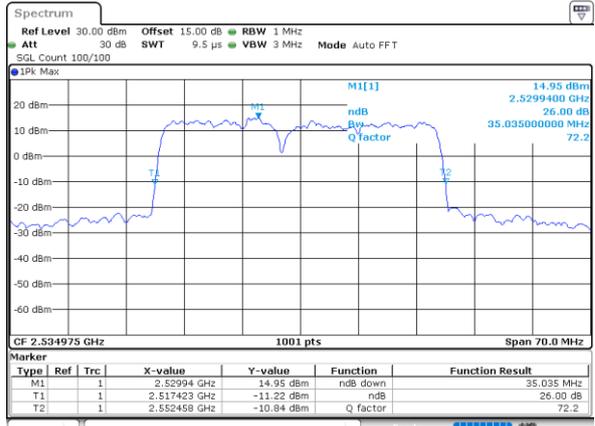
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Middle Channel / 15MHz+15MHz



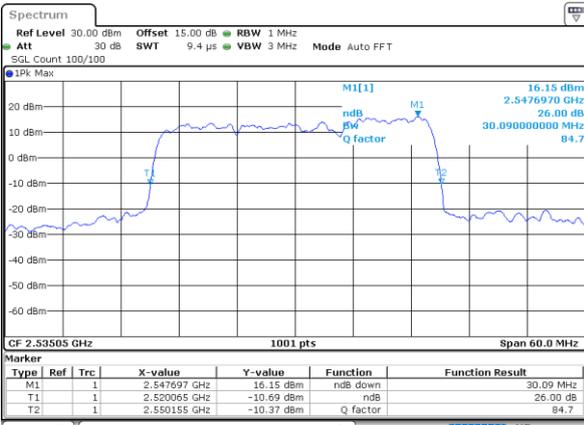
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Middle Channel / 15MHz+20MHz



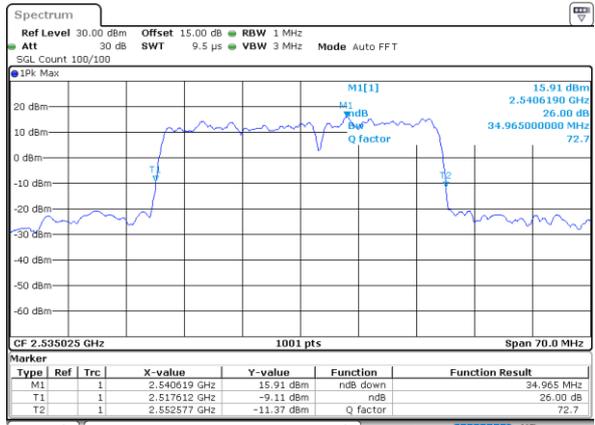
Date: 25 JUN 2025 02:08:38

Middle Channel / 20MHz+10MHz



Date: 25 JUN 2025 01:16:59

Middle Channel / 20MHz+15MHz



Date: 25 JUN 2025 02:13:52

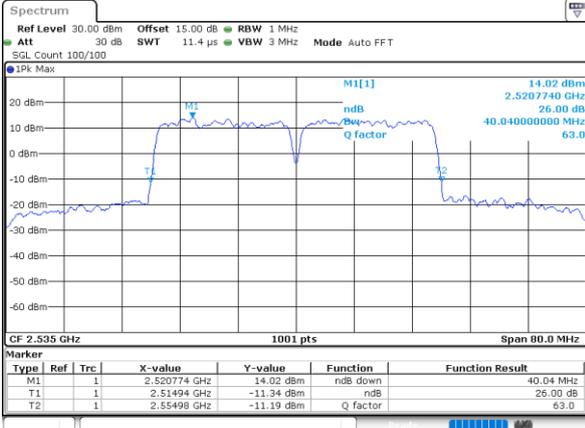


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



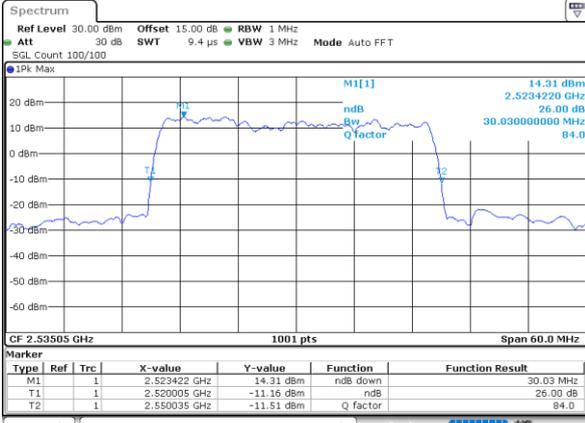
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LTE Band 7C

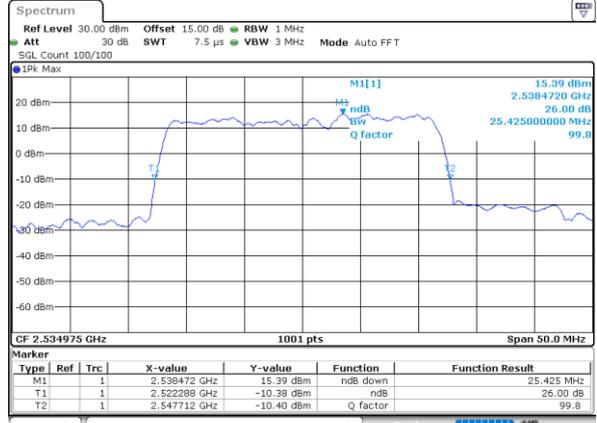
16QAM

Middle Channel / 10MHz+20MHz



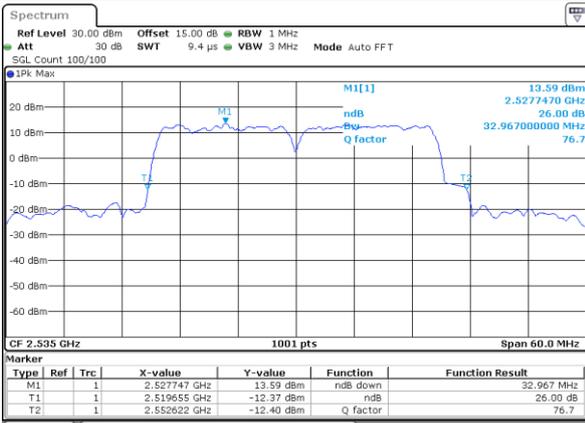
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Middle Channel / 15MHz+10MHz



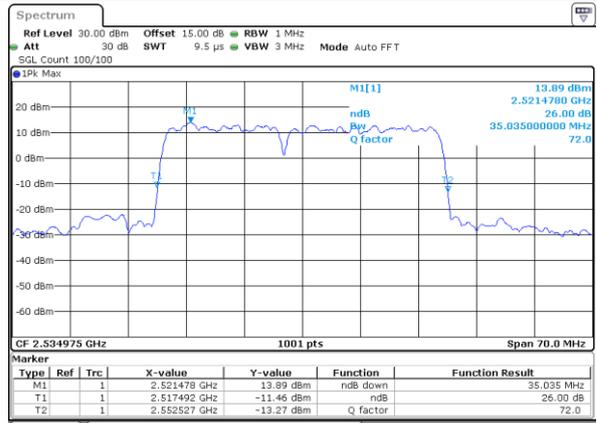
Date: 25 JUN 2025 03:25:30

Middle Channel / 15MHz+15MHz



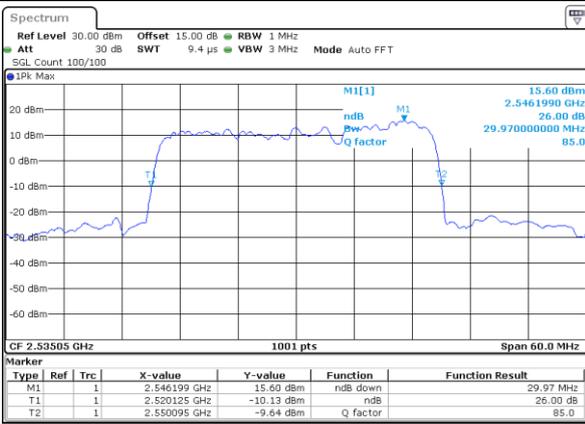
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Middle Channel / 15MHz+20MHz



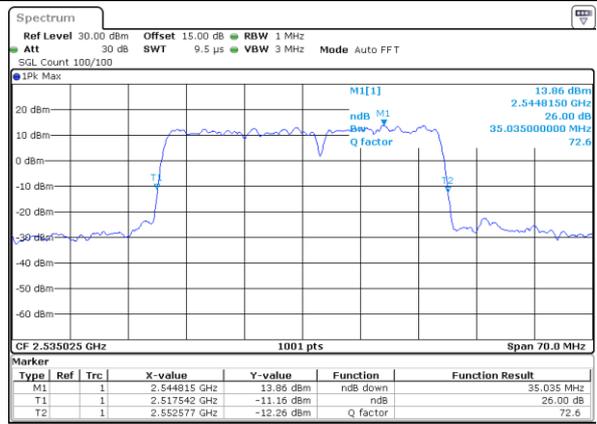
Date: 25 JUN 2025 02:10:08

Middle Channel / 20MHz+10MHz



Date: 25 JUN 2025 01:17:29

Middle Channel / 20MHz+15MHz



Date: 25 JUN 2025 02:13:22

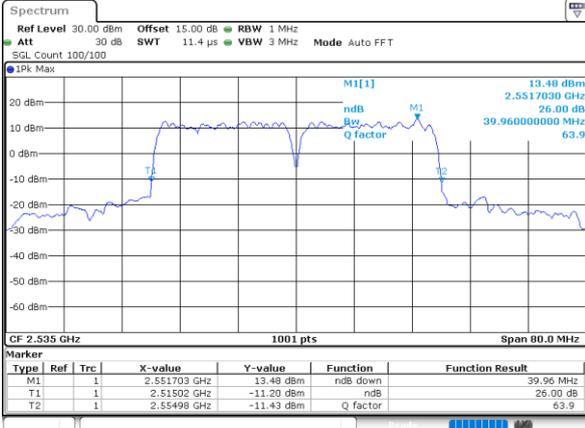


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



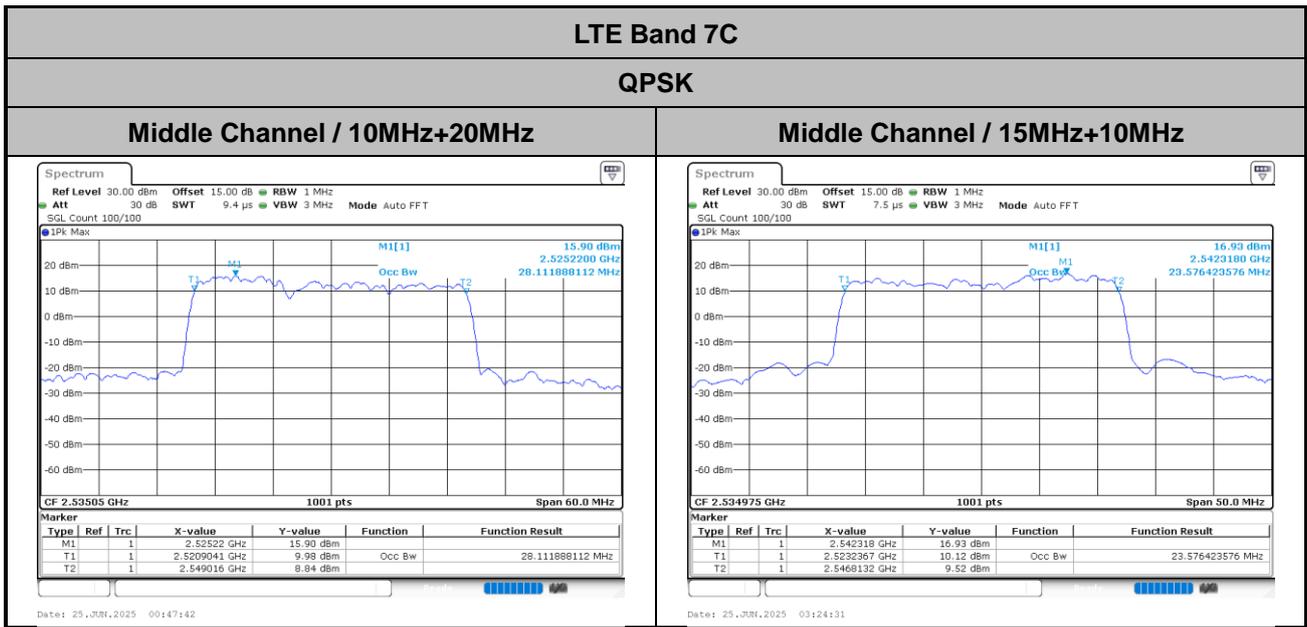
Date: 25 JUN 2025 03:01:48



Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	28.11	23.58	28.71	32.94
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.17	33.08	37.80	

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	28.05	23.48	28.65	33.01
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.17	33.01	37.80	

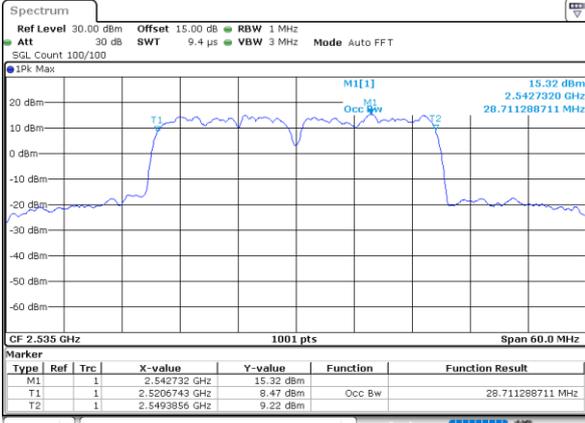




LTE Band 7C

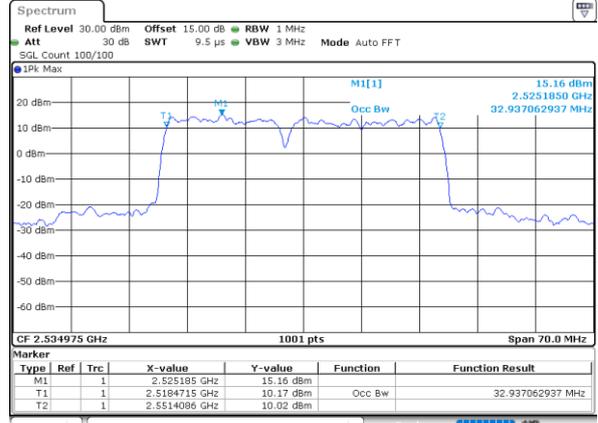
QPSK

Middle Channel / 15MHz+15MHz



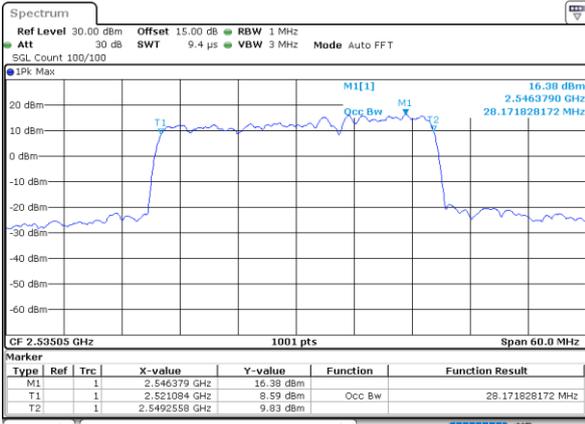
Date: 25 JUN 2025 01:44:16

Middle Channel / 15MHz+20MHz



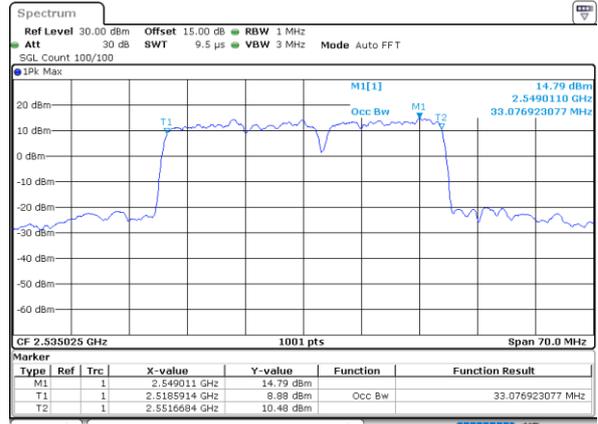
Date: 25 JUN 2025 02:08:09

Middle Channel / 20MHz+10MHz



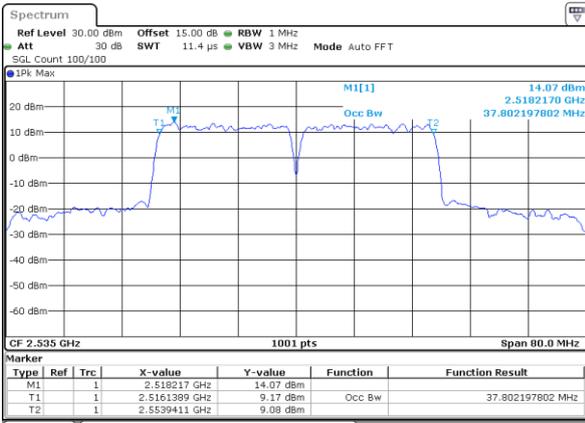
Date: 25 JUN 2025 01:16:30

Middle Channel / 20MHz+15MHz



Date: 25 JUN 2025 02:35:23

Middle Channel / 20MHz+20MHz



Date: 25 JUN 2025 03:00:53

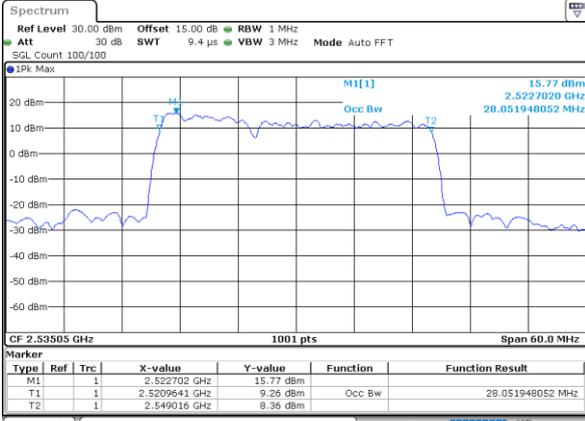
N/A



LTE Band 7C

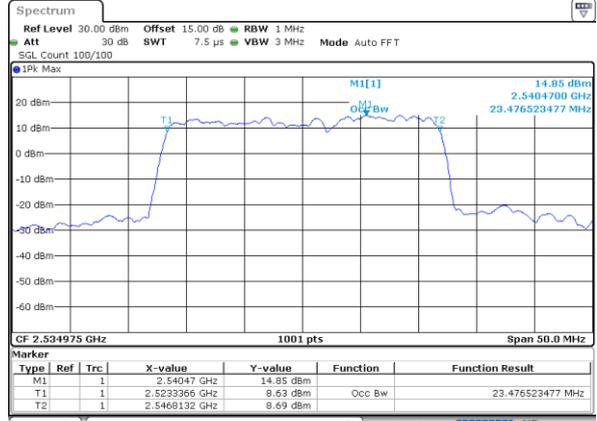
16QAM

Middle Channel / 10MHz+20MHz



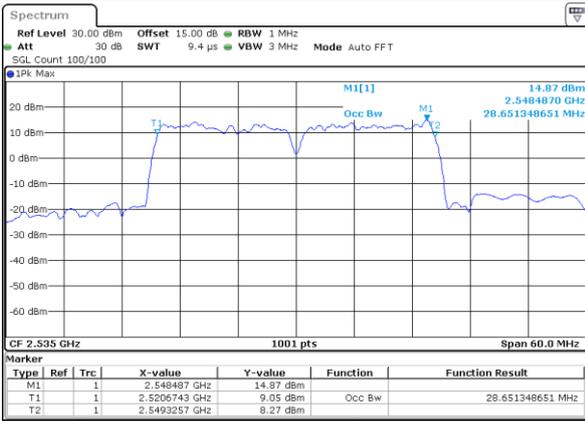
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Middle Channel / 15MHz+10MHz



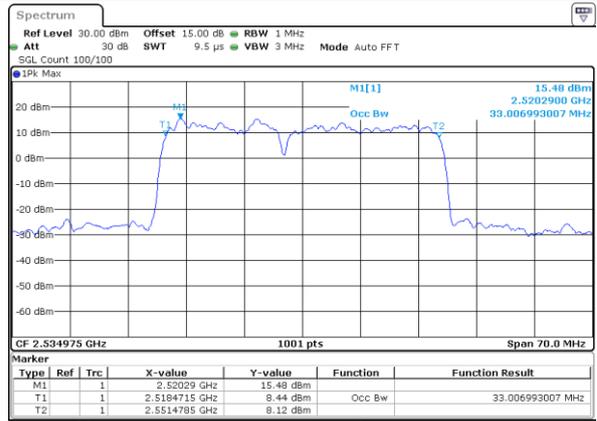
Date: 25 JUN 2025 03:26:00

Middle Channel / 15MHz+15MHz



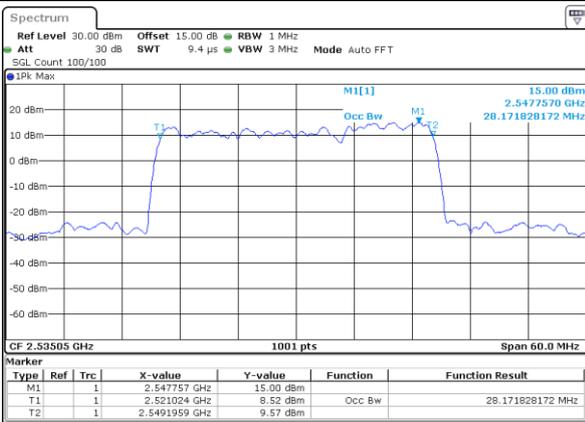
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Middle Channel / 15MHz+20MHz



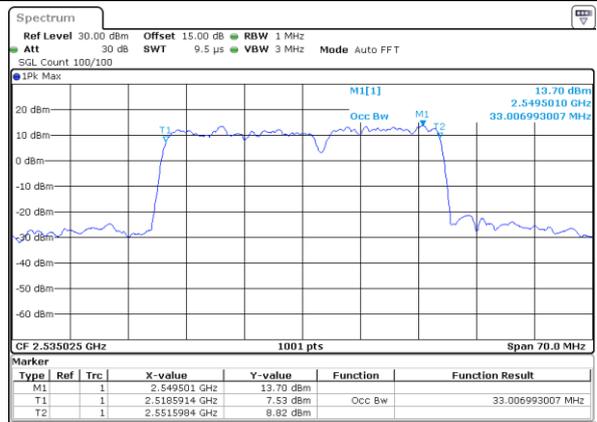
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Middle Channel / 20MHz+10MHz



Date: 25 JUN 2025 01:17:58

Middle Channel / 20MHz+15MHz



Date: 25 JUN 2025 02:16:51

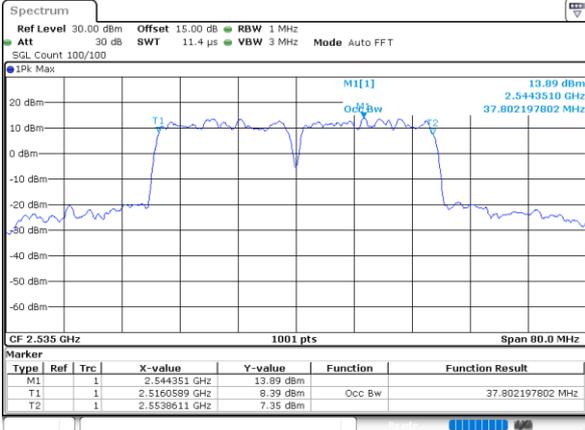


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



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Date: 25 JUN 2025 03:02:15