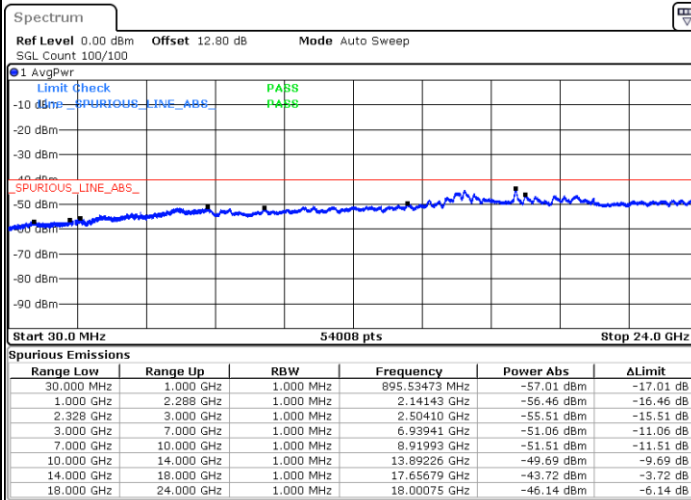




Conducted Spurious Emission

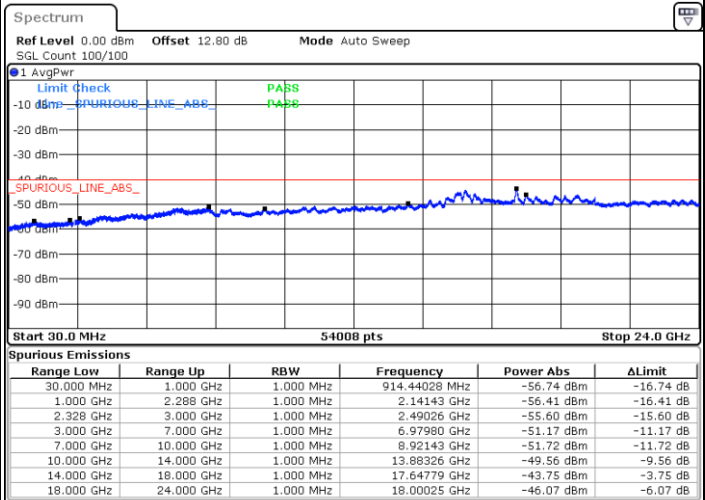
LTE Band 30 / 5MHz

Lowest Channel / QPSK



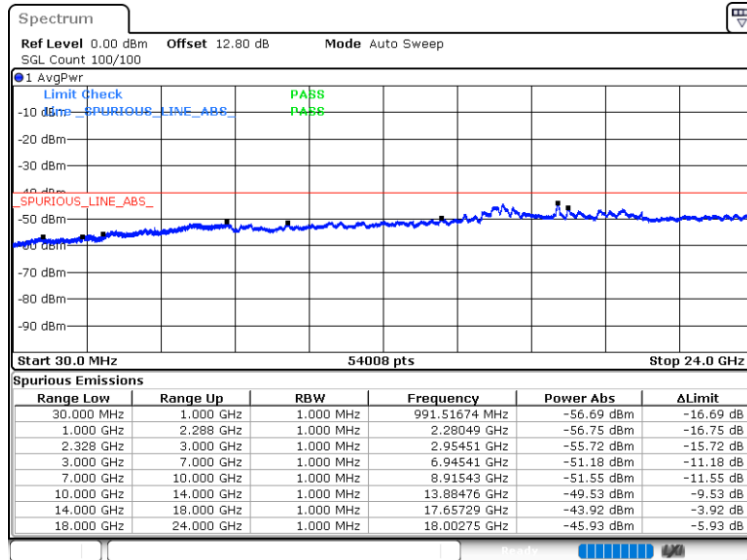
Date: 18.JUN.2025 09:52:17

Middle Channel / QPSK



Date: 18.JUN.2025 09:55:02

Highest Channel / QPSK

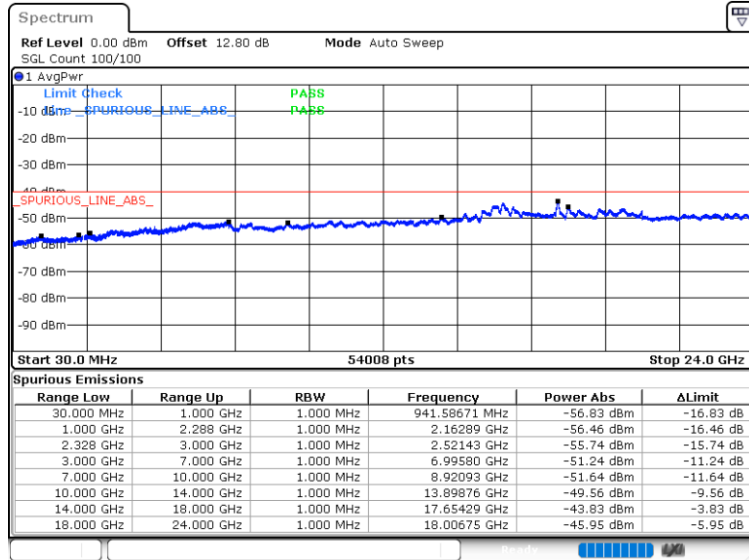


Date: 18.JUN.2025 09:53:40



LTE Band 30 / 10MHz

Middle Channel / QPSK



Date: 18.JUN.2025 09:56:25

Frequency Stability

Test Conditions		LTE Band 30 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0065	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0062	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0067	
-20	Normal Voltage	0.0054	
-30	Normal Voltage	0.0041	
20	Maximum Voltage	0.0061	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0055	

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.

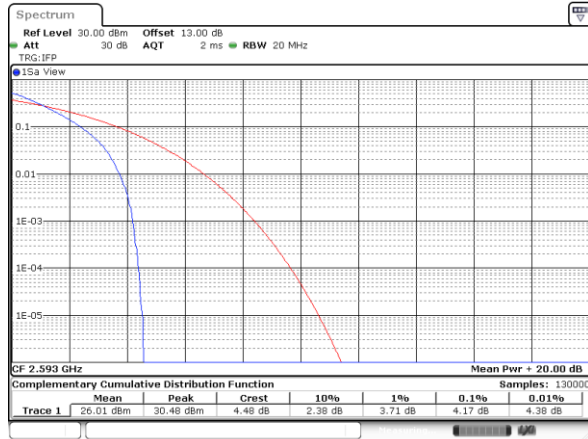
**LTE Band 41****Peak-to-Average Ratio**

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.17	5.16	5.91	6.55	PASS



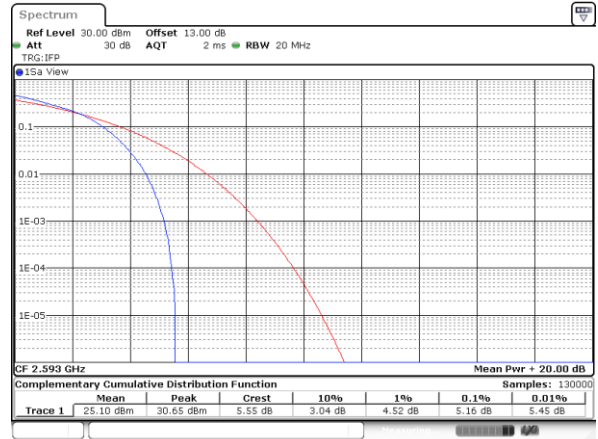
LTE Band 41 / 20MHz / QPSK

Middle Channel / Full RB



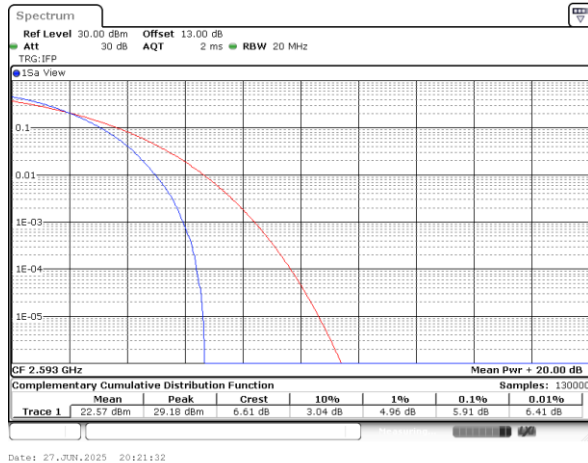
LTE Band 41 / 20MHz / 16QAM

Middle Channel / Full RB



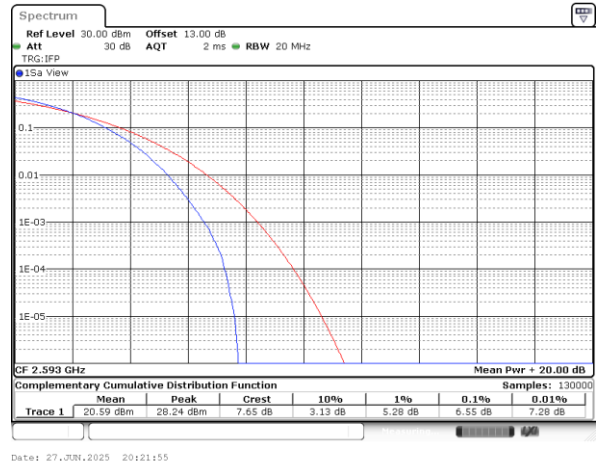
LTE Band 41 / 20MHz / 64QAM

Middle Channel / Full RB



LTE Band 41 / 20MHz / 256QAM

Middle Channel / Full RB



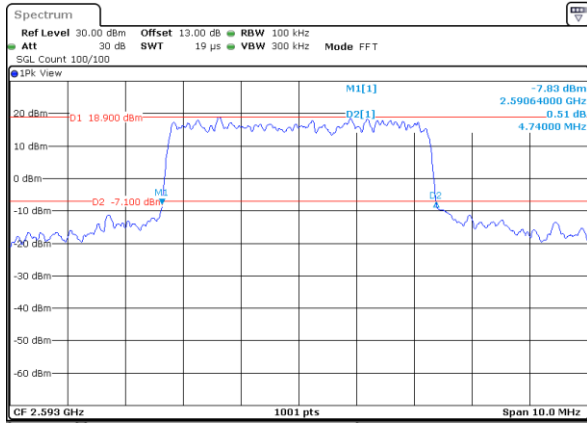
**26dB Bandwidth**

Mode	LTE Band 41 : 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	-	-	-	-	4.74	4.94	10.22	9.80	14.79	14.64	18.96	18.88
Mode	LTE Band 41 : 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	-	-	-	-	5.06	4.97	9.96	9.64	14.16	14.64	18.76	18.68



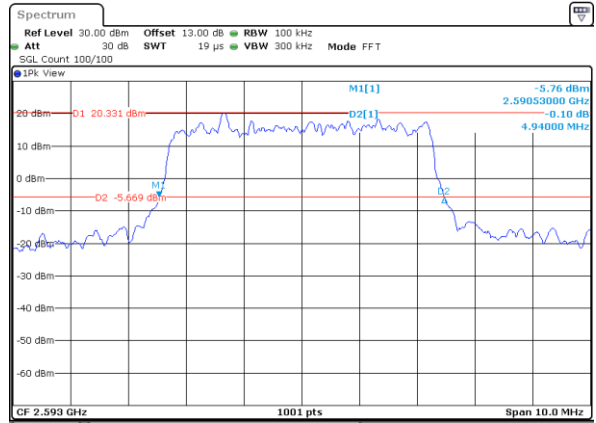
LTE Band 41

Middle Channel / 5MHz / QPSK



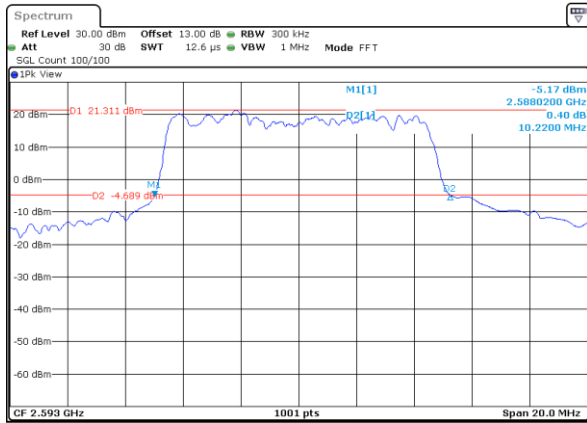
Date: 30 JUN 2025 12:14:14

Middle Channel / 5MHz / 16QAM



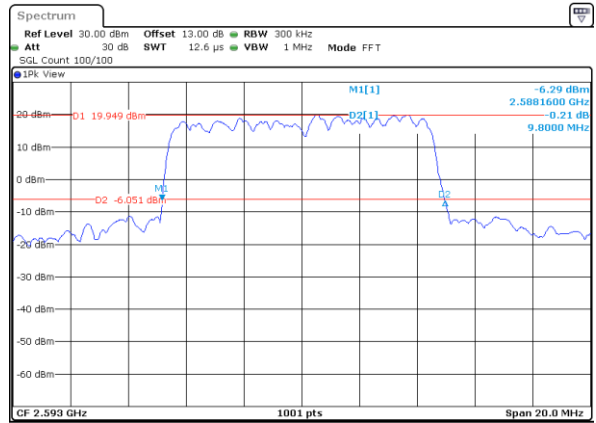
Date: 30 JUN 2025 12:14:16

Middle Channel / 10MHz / QPSK



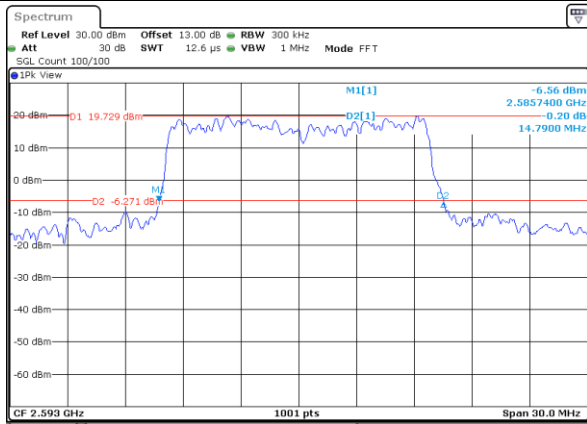
Date: 30 JUN 2025 14:14:25

Middle Channel / 10MHz / 16QAM



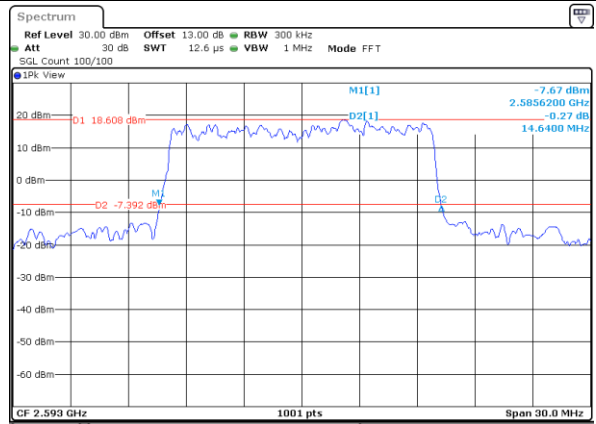
Date: 30 JUN 2025 14:14:39

Middle Channel / 15MHz / QPSK



Date: 30 JUN 2025 14:15:33

Middle Channel / 15MHz / 16QAM

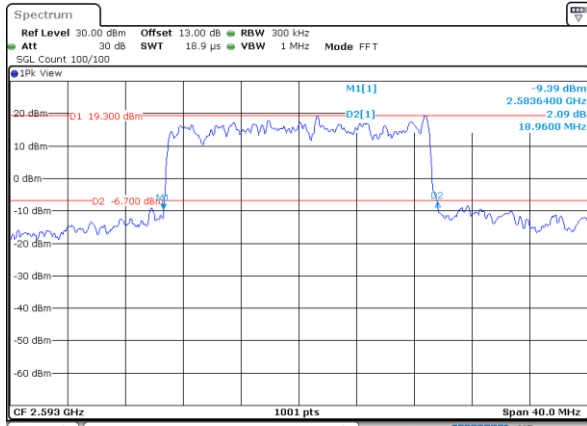


Date: 30 JUN 2025 14:15:27

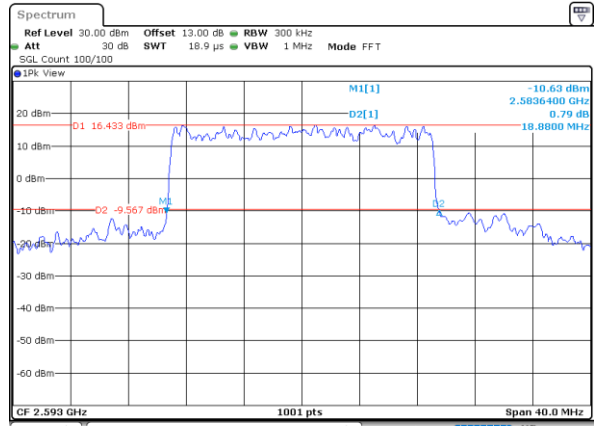


LTE Band 41

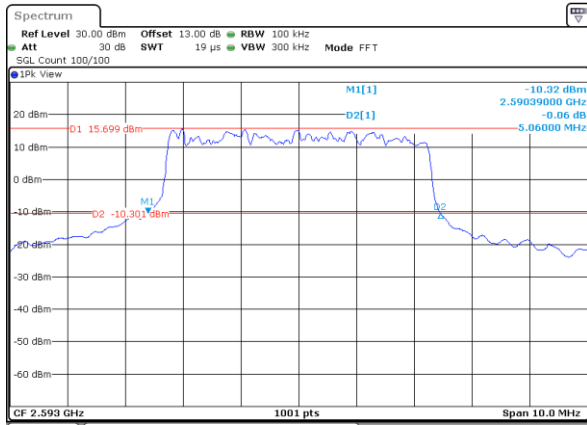
Middle Channel / 20MHz / QPSK



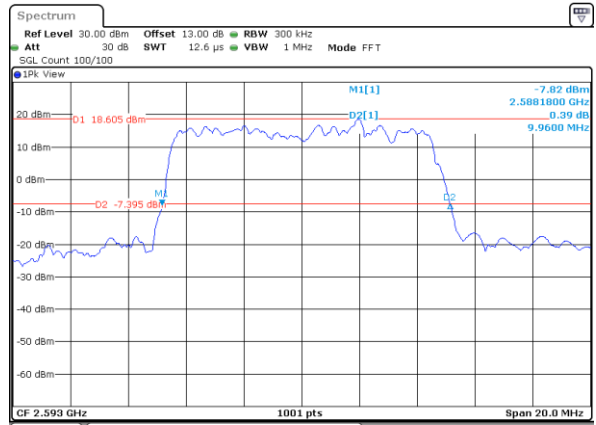
Middle Channel / 20MHz / 16QAM



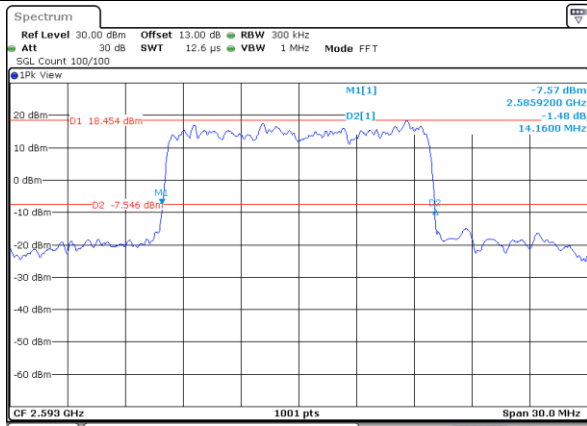
Middle Channel / 5MHz / 64QAM



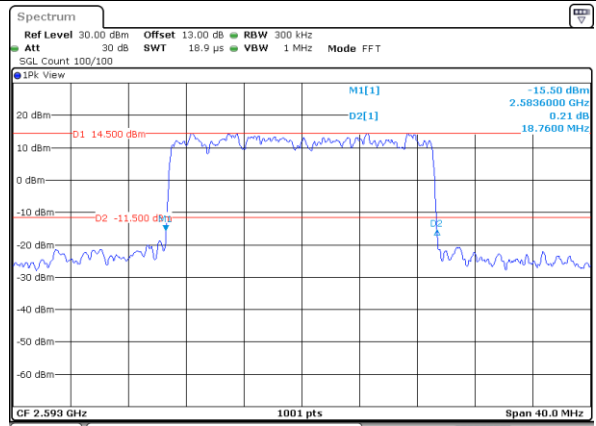
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



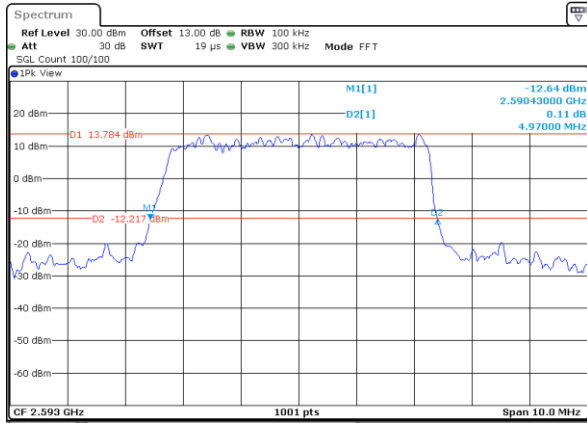
Middle Channel / 20MHz / 64QAM





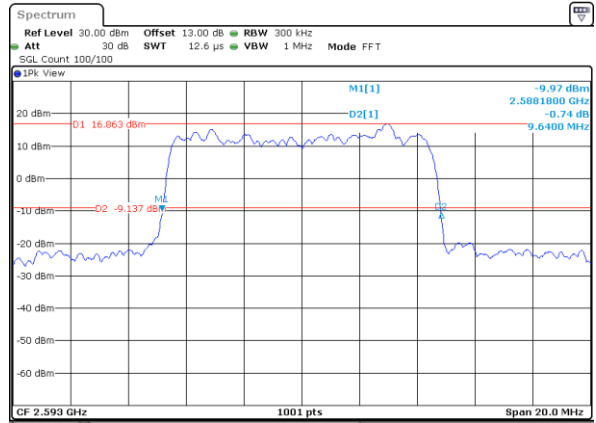
LTE Band 41

Middle Channel / 5MHz / 256QAM



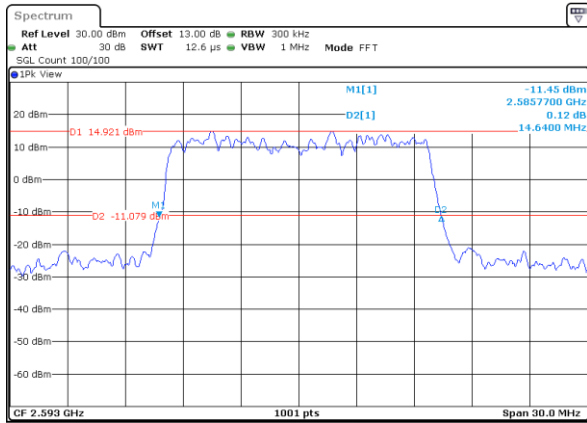
Date: 27 JUN 2025 20:15:42

Middle Channel / 10MHz / 256QAM



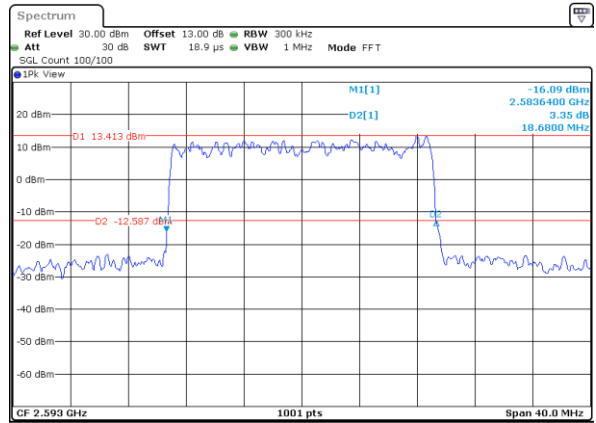
Date: 27 JUN 2025 20:17:15

Middle Channel / 15MHz / 256QAM



Date: 27 JUN 2025 20:18:48

Middle Channel / 20MHz / 256QAM



Date: 27 JUN 2025 20:20:21

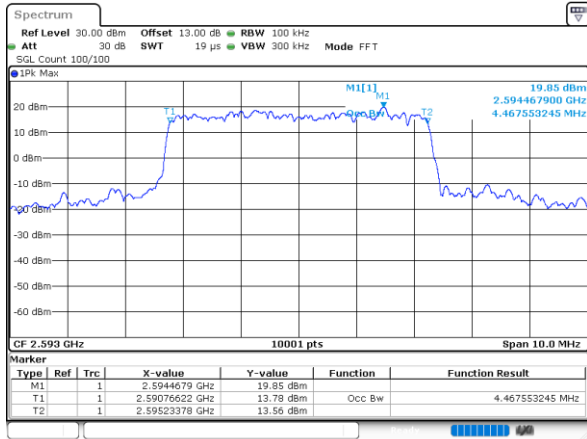
**Occupied Bandwidth**

Mode	LTE Band 41 : 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	-	-	-	-	4.46	4.48	9.21	9.04	13.53	13.47	17.95	17.80
Mode	LTE Band 41 : 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	4.50	9.03	9.05	13.42	13.35	17.85	17.79

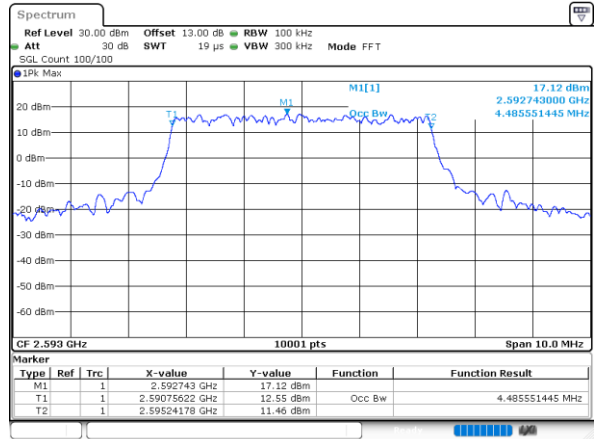


LTE Band 41

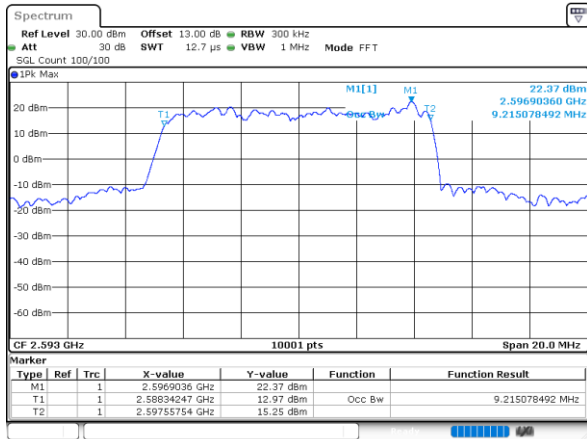
Middle Channel / 5MHz / QPSK



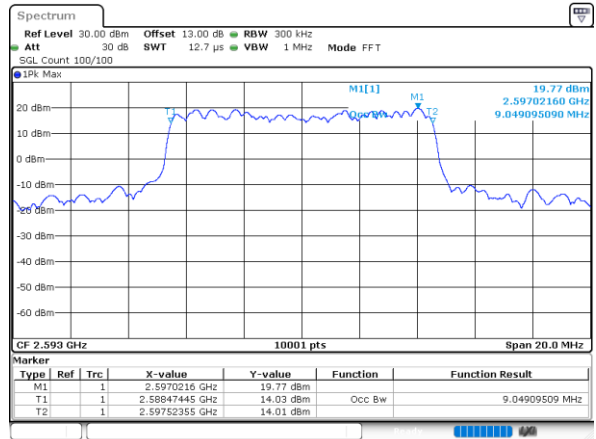
Middle Channel / 5MHz / 16QAM



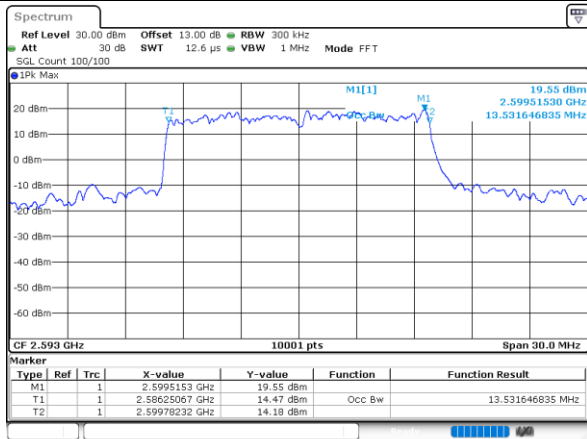
Middle Channel / 10MHz / QPSK



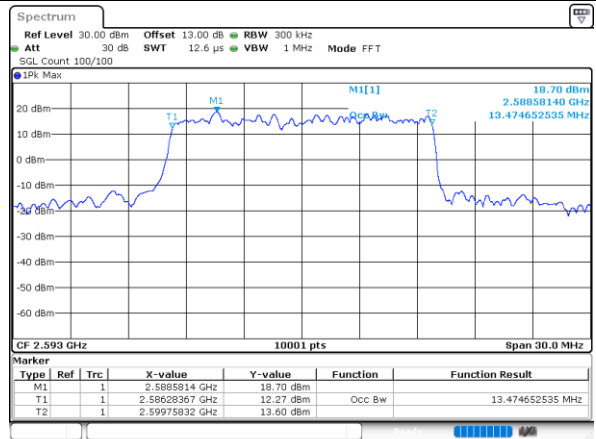
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



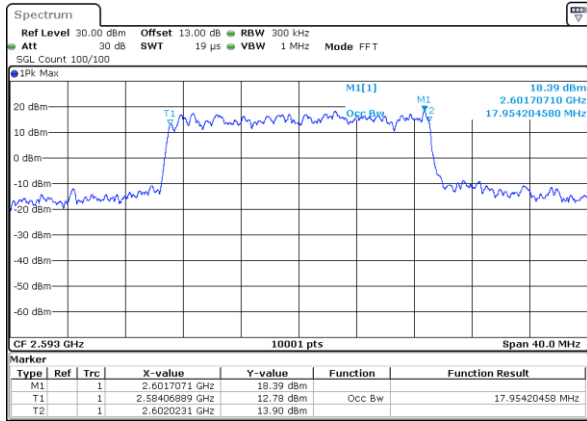
Middle Channel / 15MHz / 16QAM





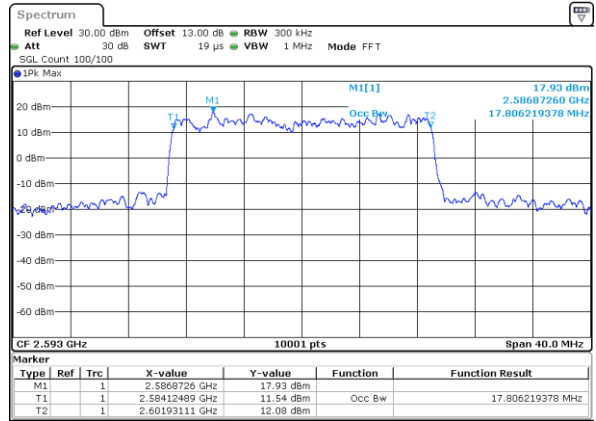
LTE Band 41

Middle Channel / 20MHz / QPSK



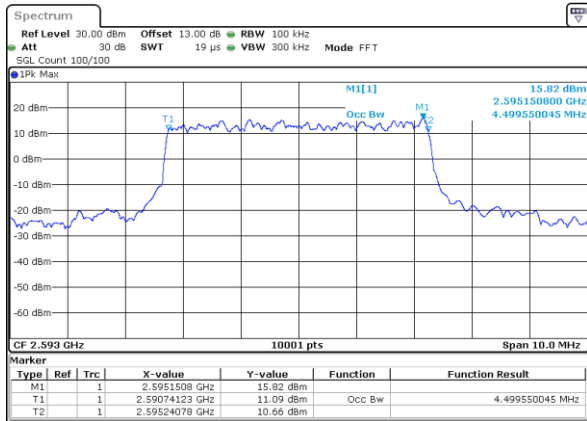
Date: 30 JUN 2025 15:17:17

Middle Channel / 20MHz / 16QAM



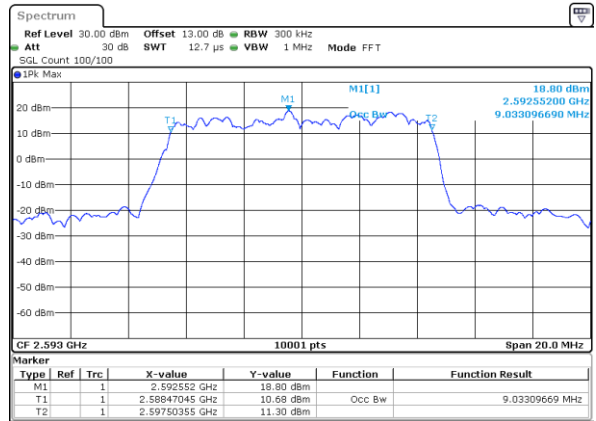
Date: 30 JUN 2025 15:18:59

Middle Channel / 5MHz / 64QAM



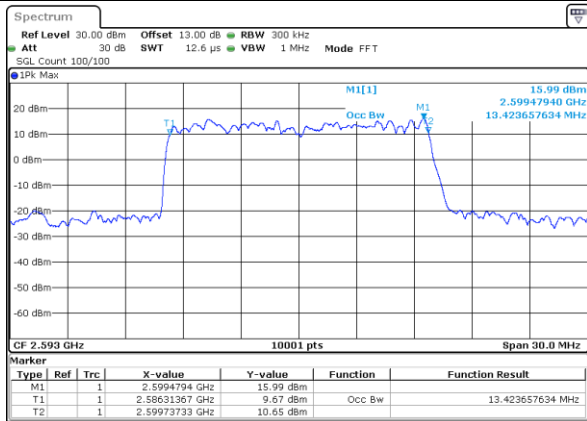
Date: 27 JUN 2025 20:09:13

Middle Channel / 10MHz / 64QAM



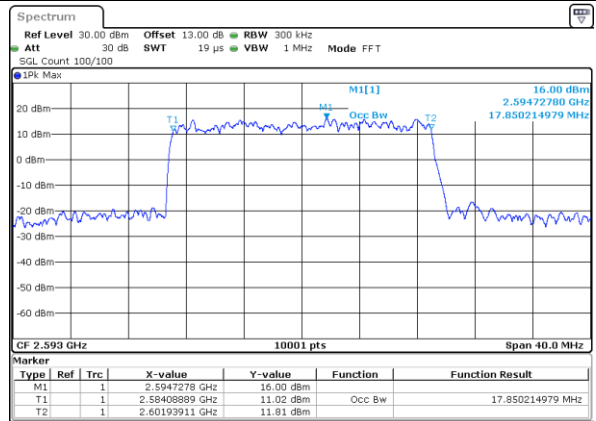
Date: 27 JUN 2025 20:10:45

Middle Channel / 15MHz / 64QAM



Date: 27 JUN 2025 20:12:16

Middle Channel / 20MHz / 64QAM

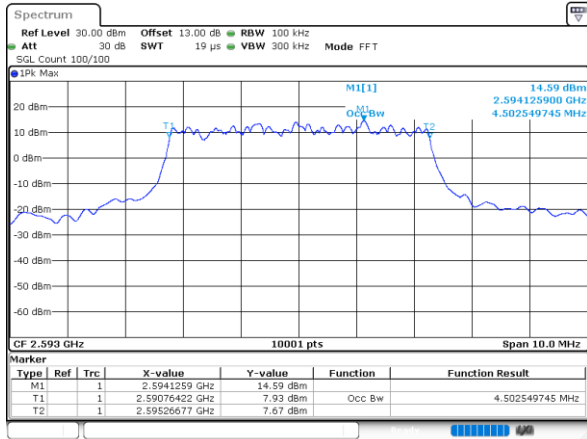


Date: 30 JUN 2025 15:19:36

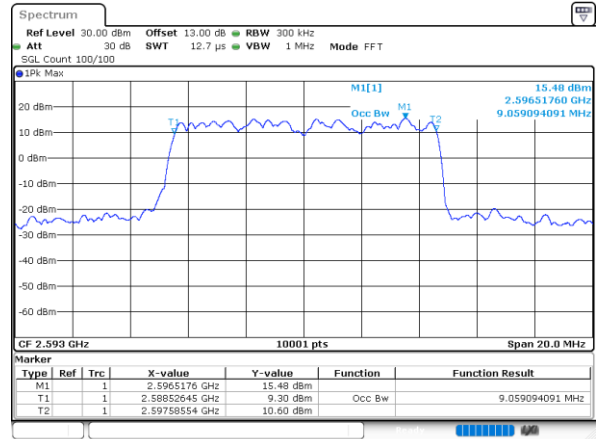


LTE Band 41

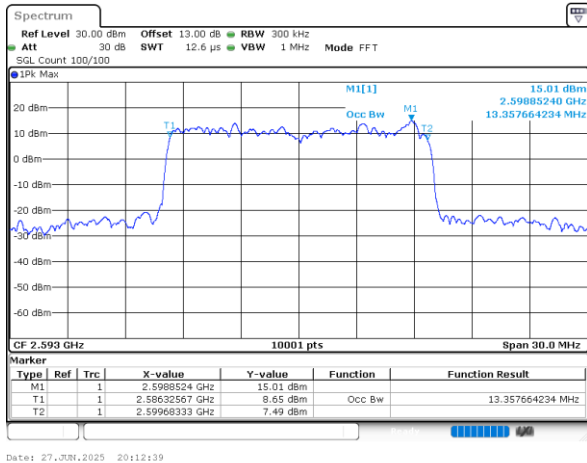
Middle Channel / 5MHz / 256QAM



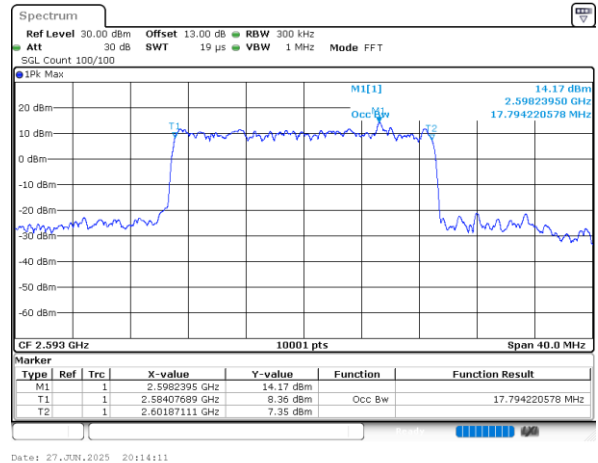
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM

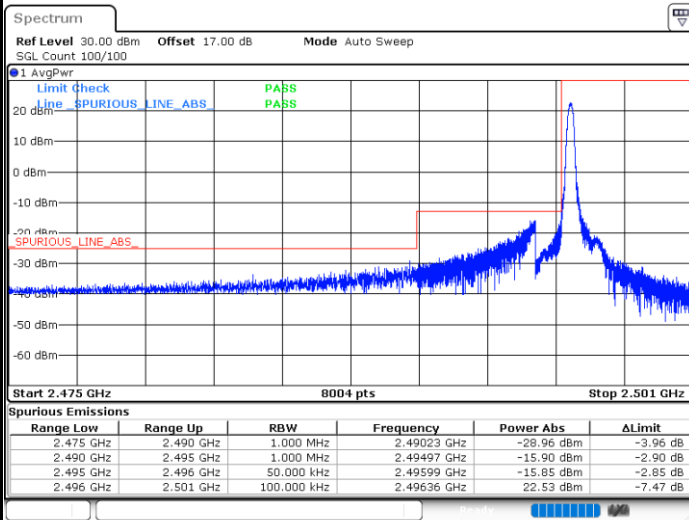




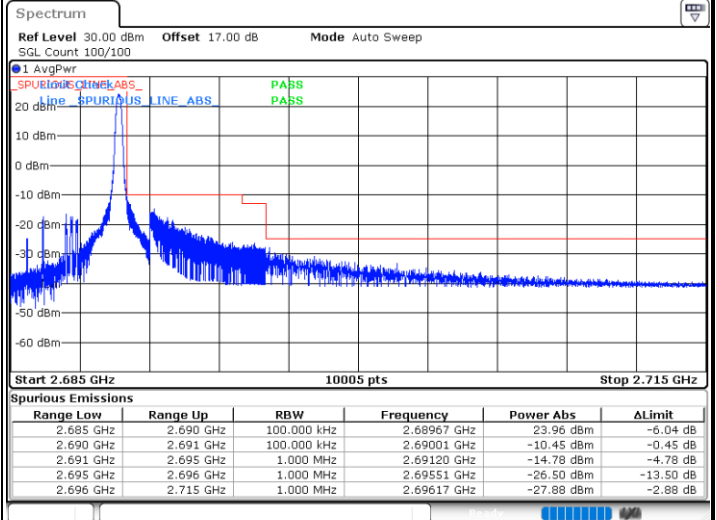
Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

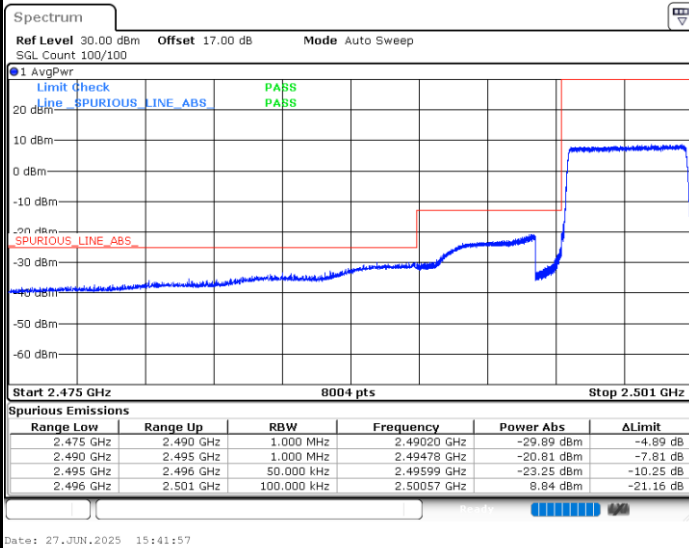
Lowest Band Edge / 1 RB



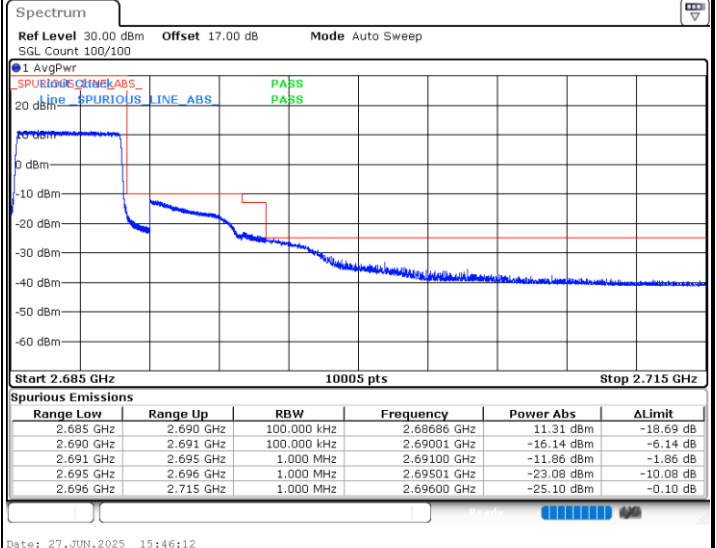
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



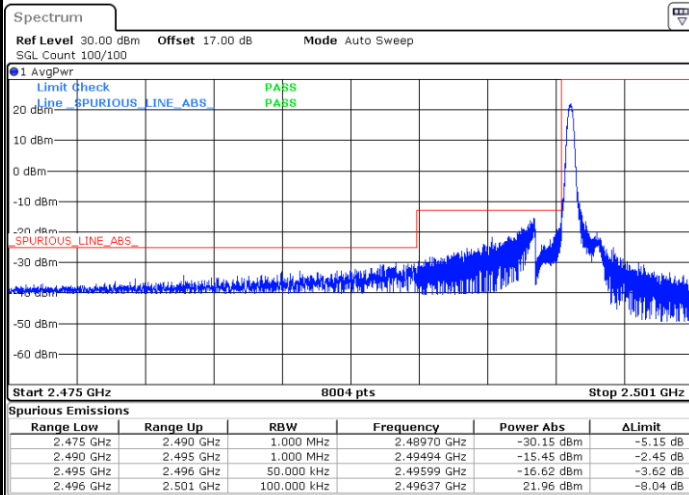
Highest Band Edge / Full RB



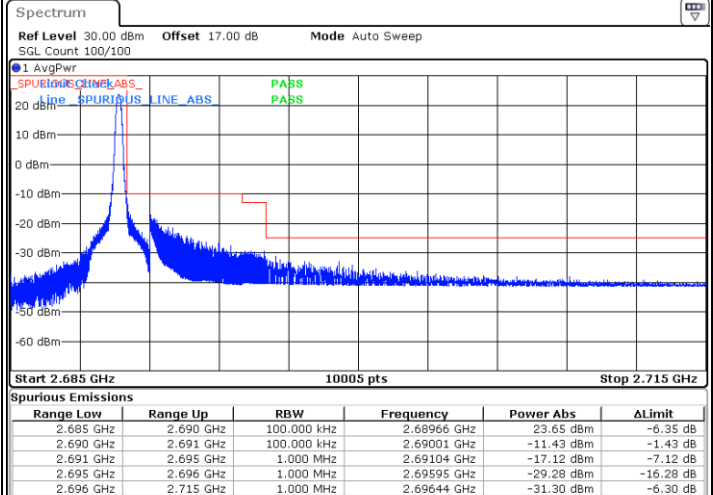


LTE Band 41 / 5MHz / 16QAM

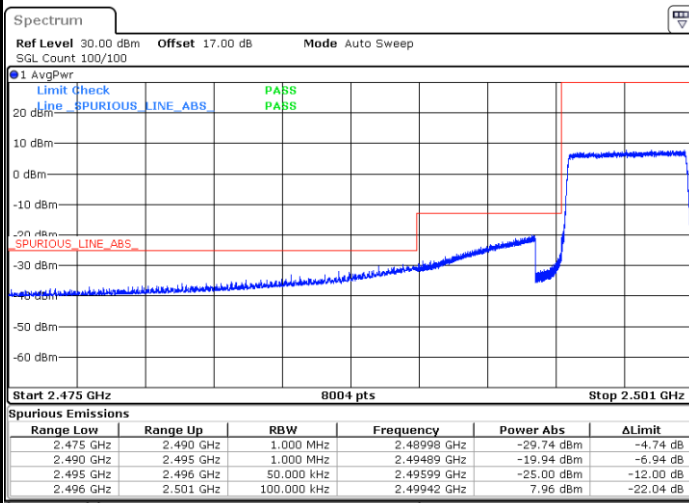
Lowest Band Edge / 1RB



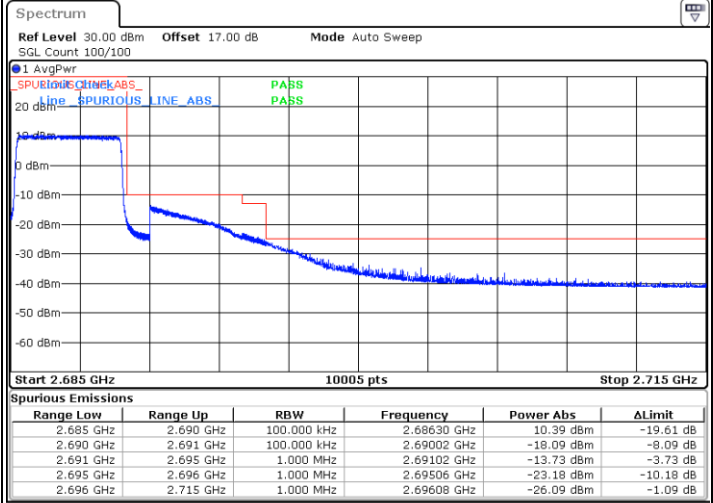
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



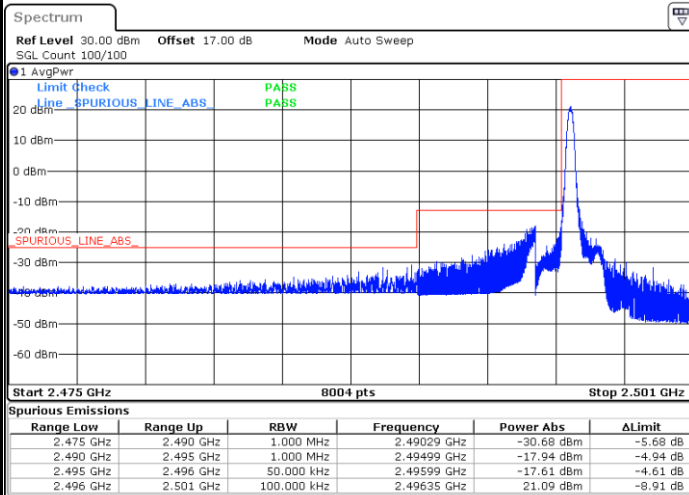
Highest Band Edge / Full RB



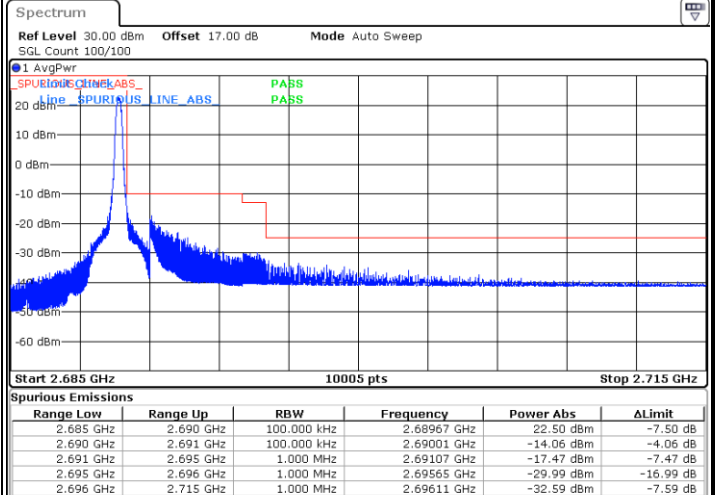


LTE Band 41 / 5MHz / 64QAM

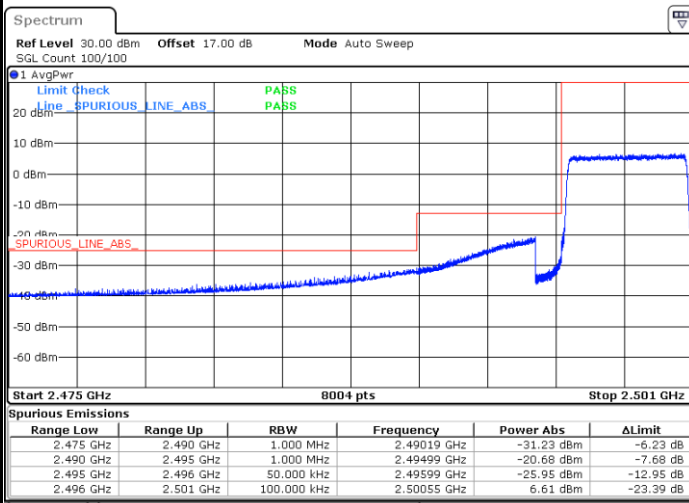
Lowest Band Edge / 1RB



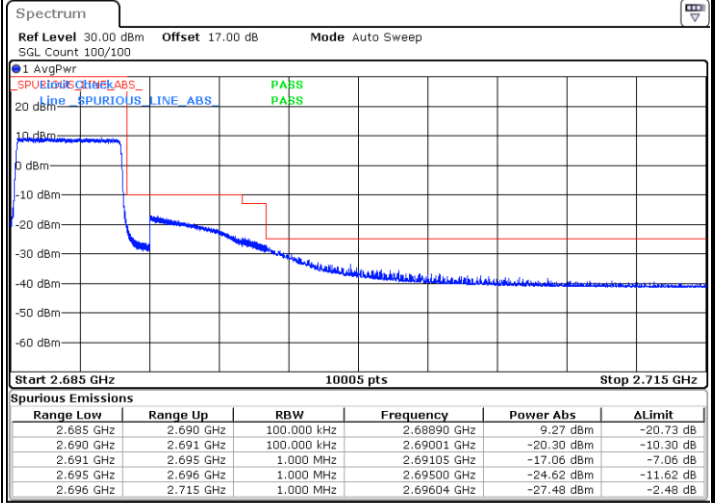
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



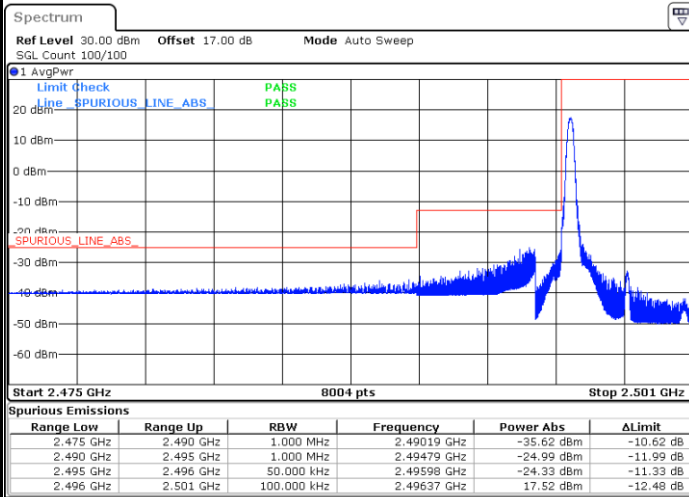
Highest Band Edge / Full RB



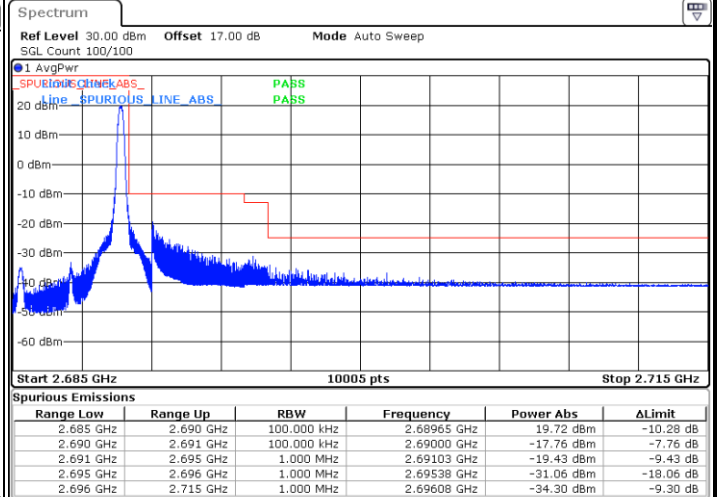


LTE Band 41 / 5MHz / 256QAM

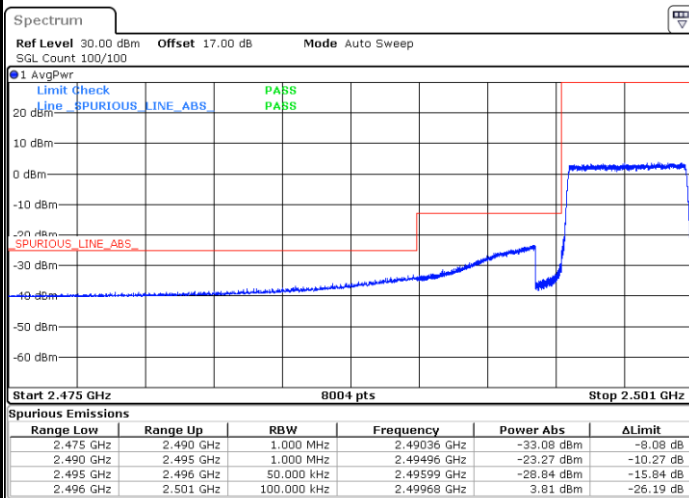
Lowest Band Edge / 1RB



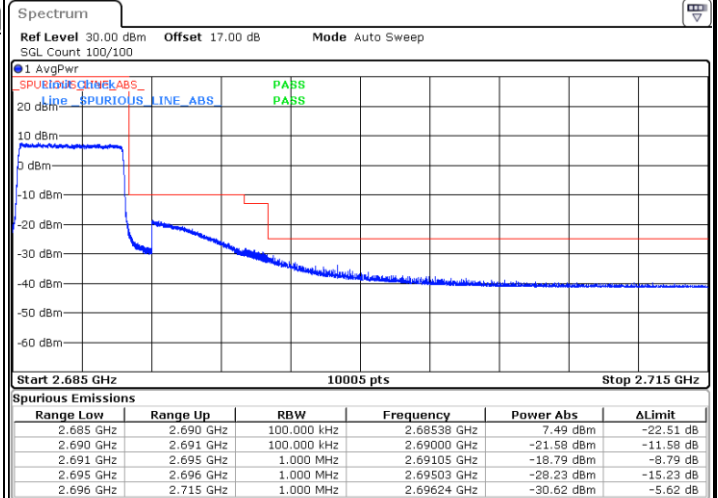
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



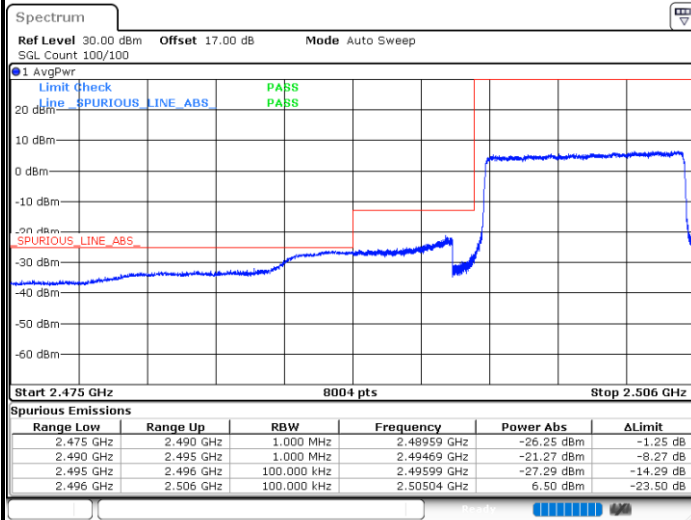
Highest Band Edge / Full RB



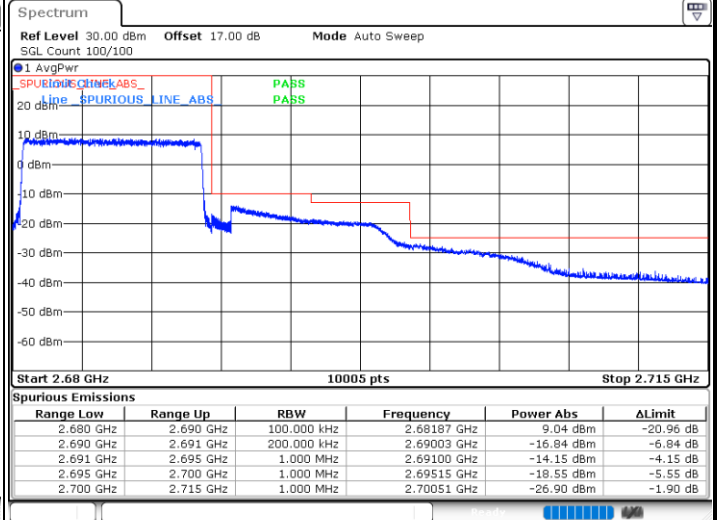


LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / Full RB

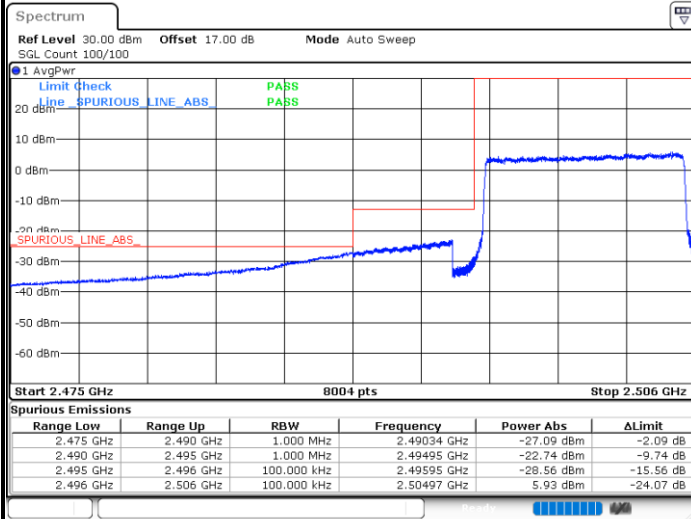


Highest Band Edge / Full RB

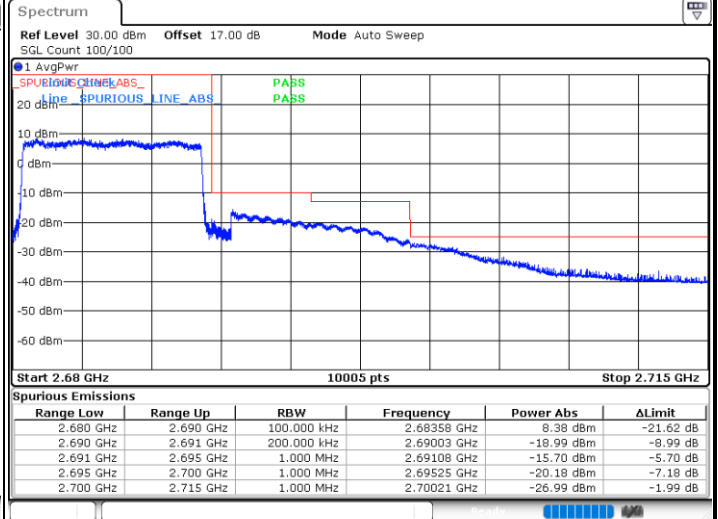


LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / Full RB



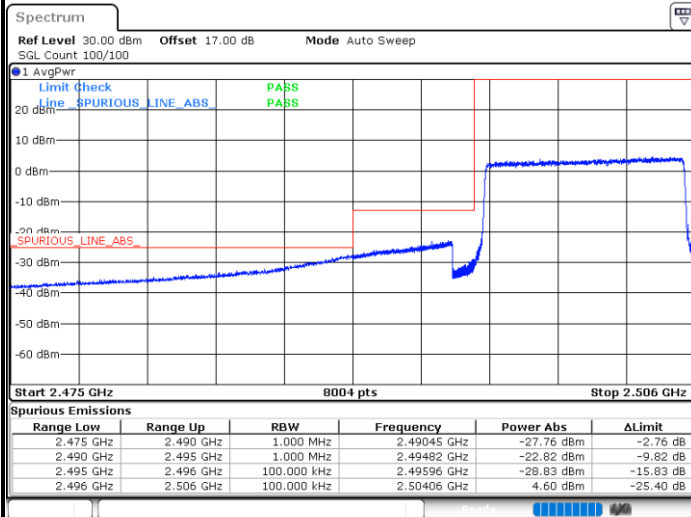
Highest Band Edge / Full RB



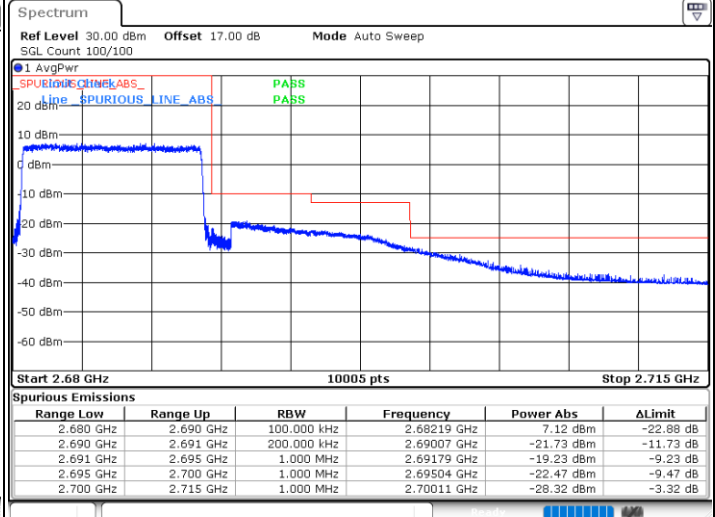


LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / Full RB

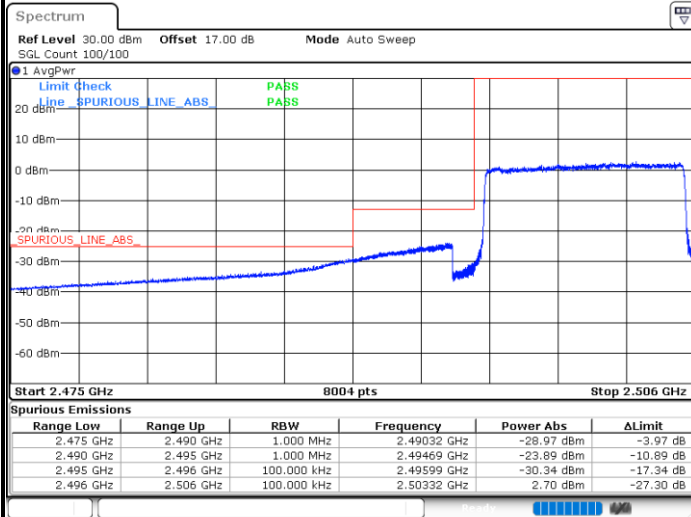


Highest Band Edge / Full RB

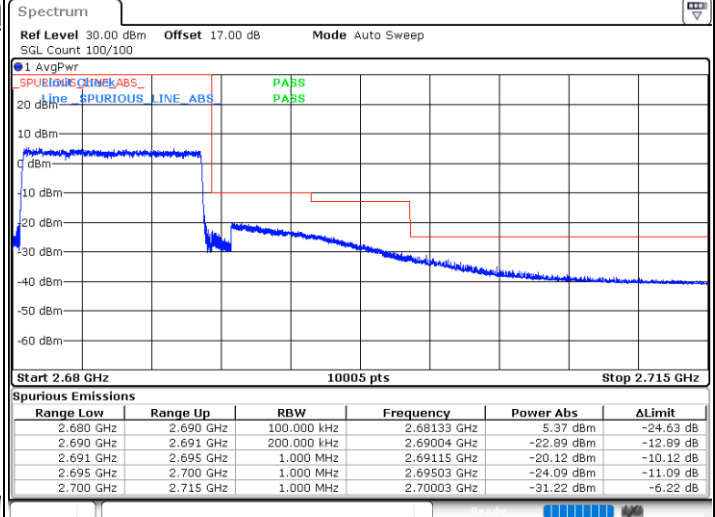


LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / Full RB



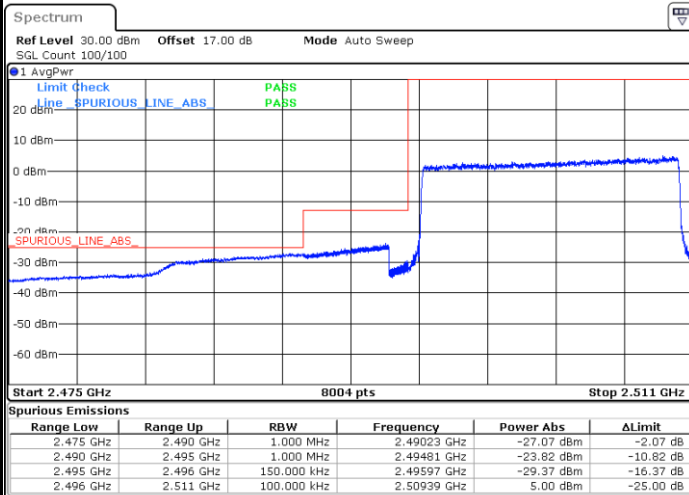
Highest Band Edge / Full RB



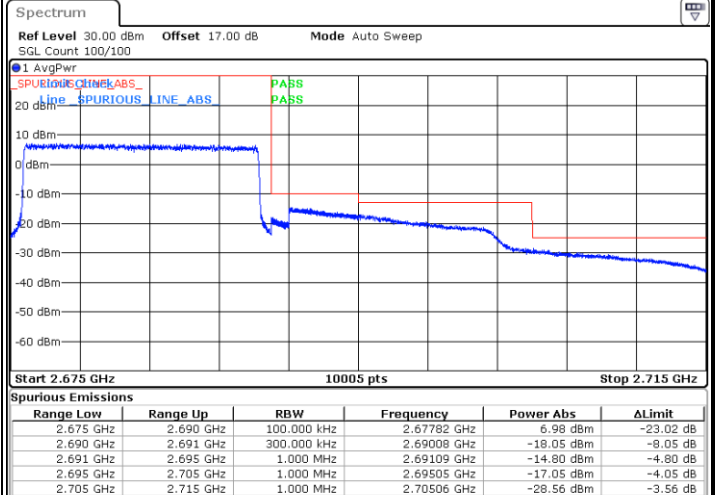


LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / Full RB

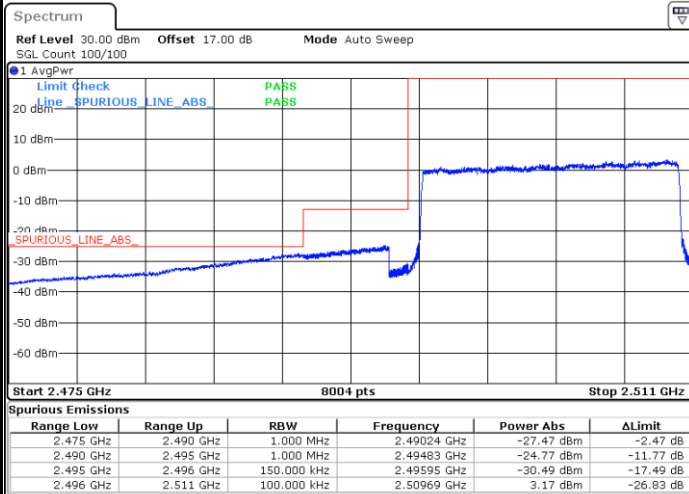


Highest Band Edge / Full RB

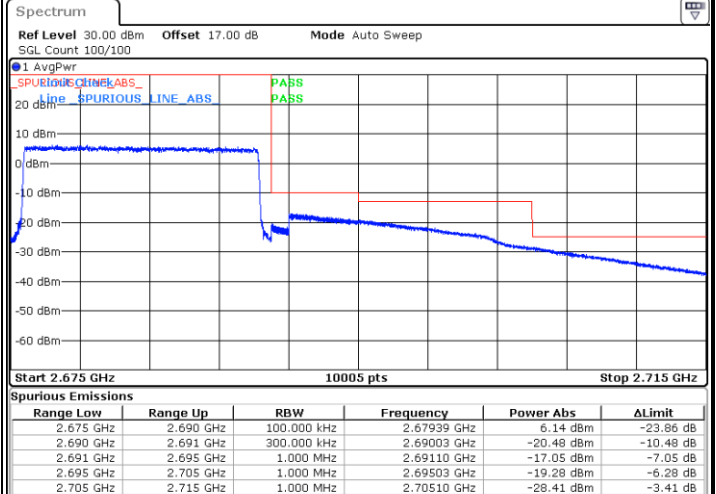


LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / Full RB



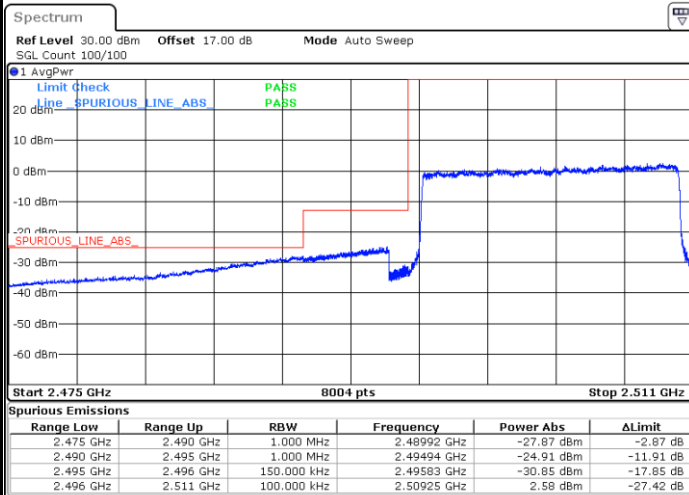
Highest Band Edge / Full RB



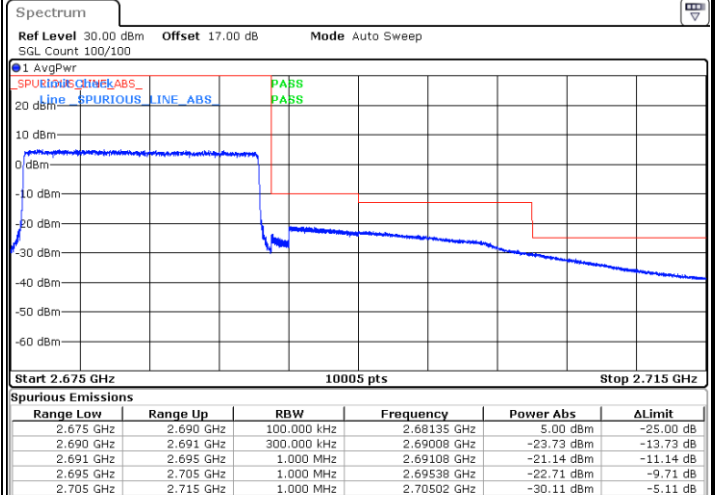


LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / Full RB

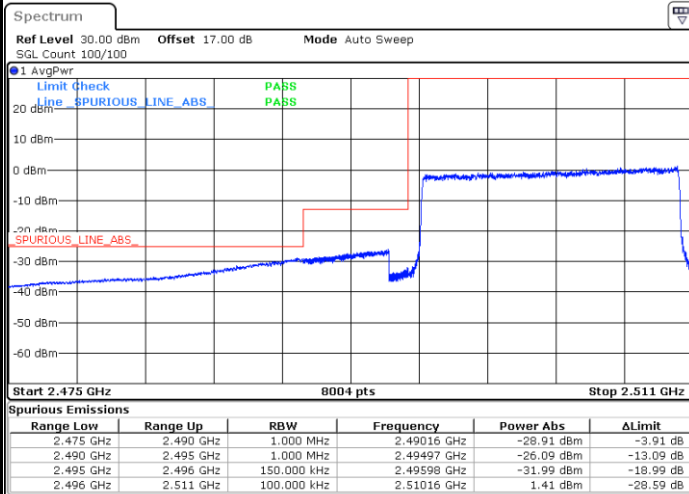


Highest Band Edge / Full RB

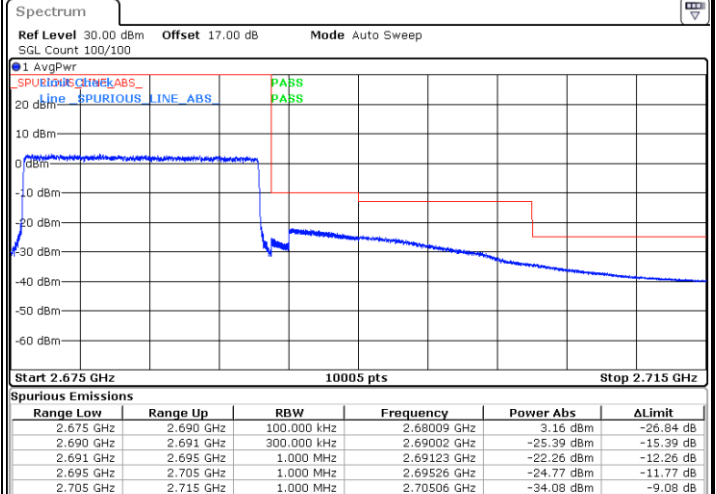


LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / Full RB



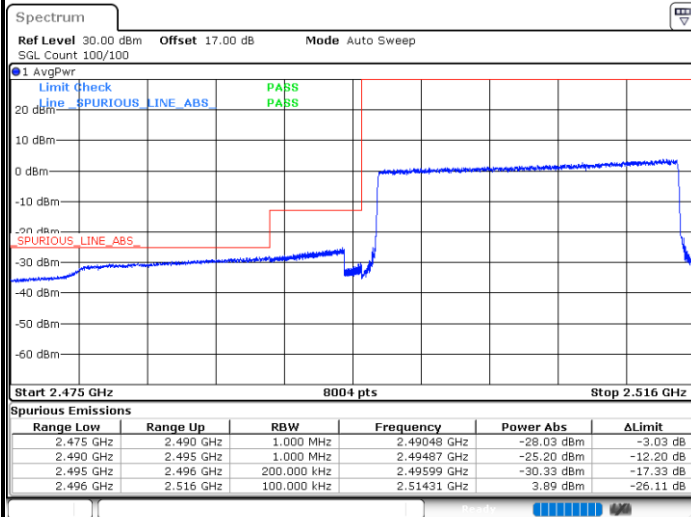
Highest Band Edge / Full RB



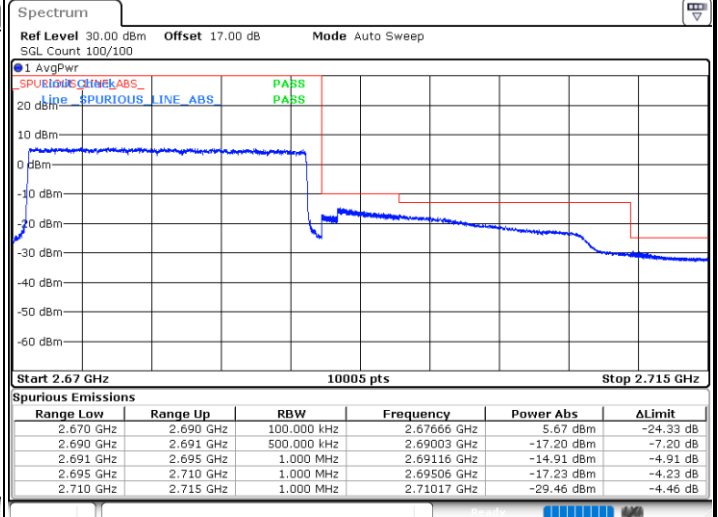


LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / Full RB

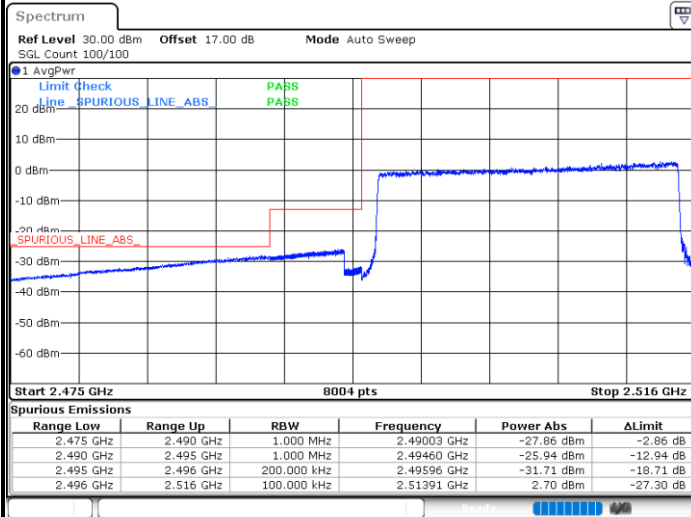


Highest Band Edge / Full RB

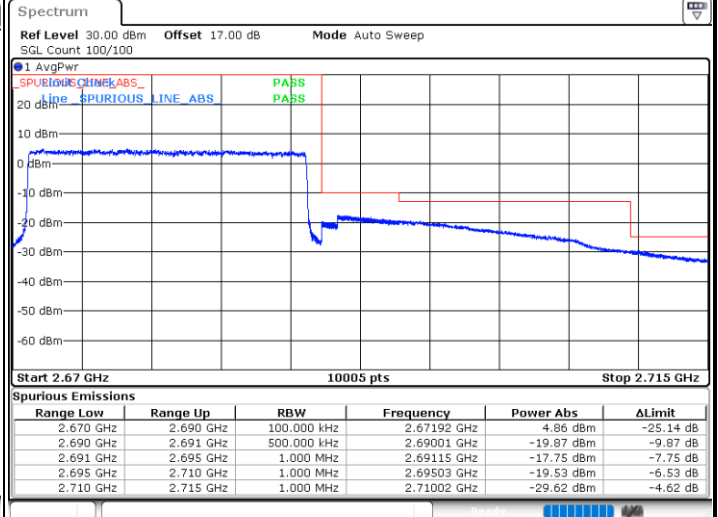


LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / Full RB



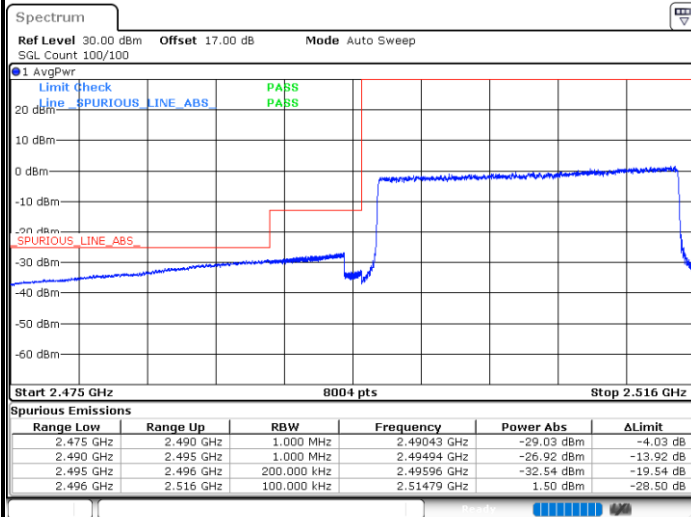
Highest Band Edge / Full RB



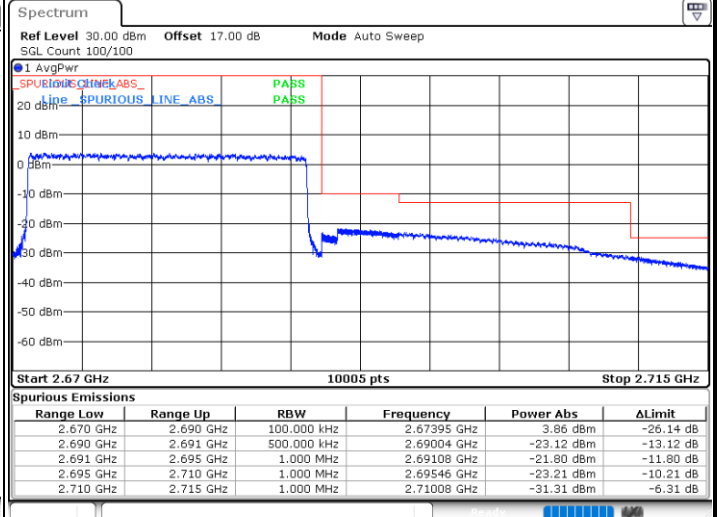


LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / Full RB

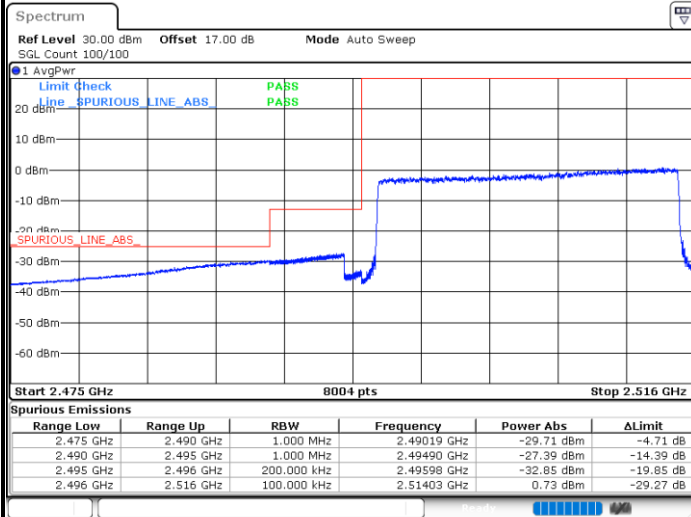


Highest Band Edge / Full RB

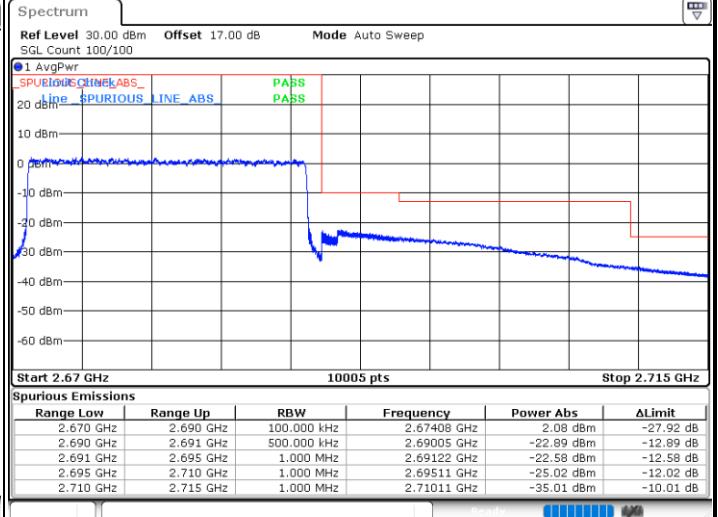


LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

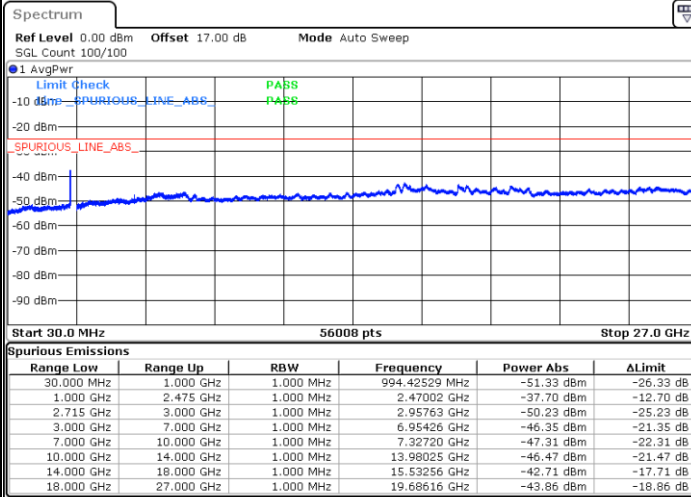




Conducted Spurious Emission

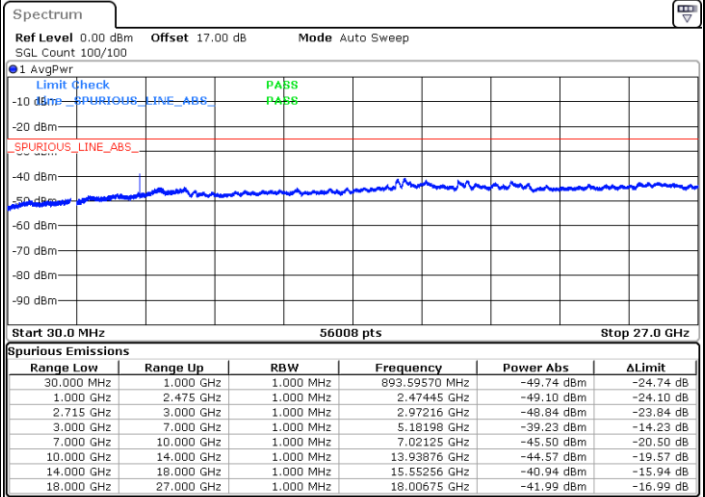
LTE Band 41 / 5MHz

Lowest Channel / QPSK



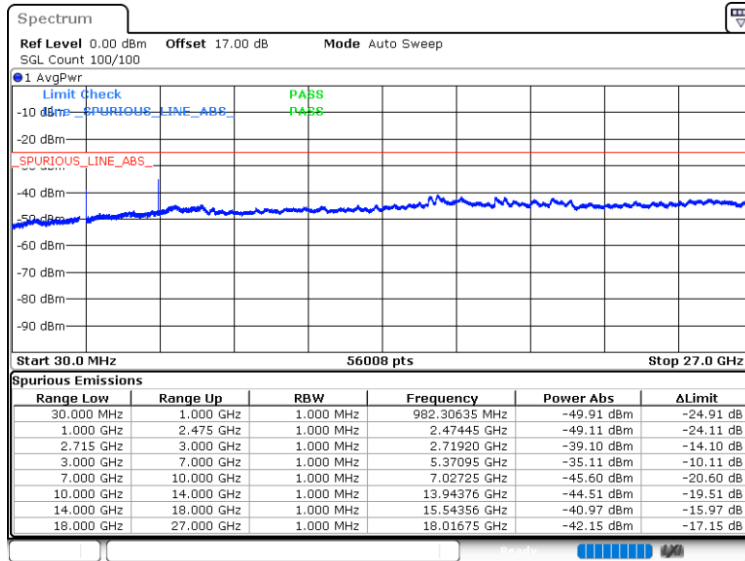
Date: 27.JUN.2025 20:23:18

Middle Channel / QPSK



Date: 30.JUN.2025 12:42:42

Highest Channel / QPSK

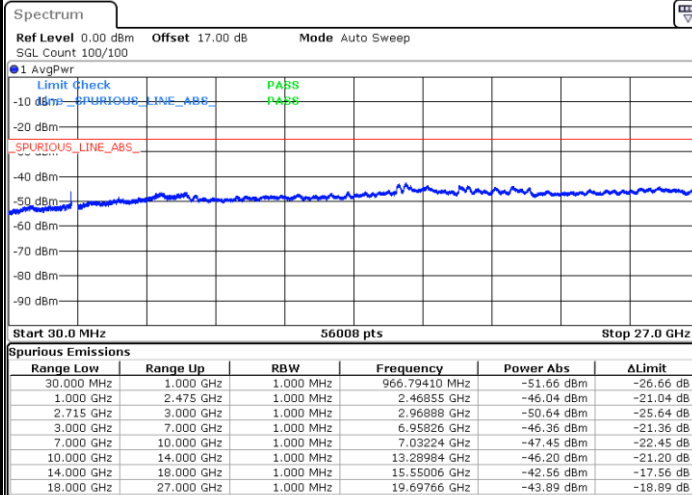


Date: 30.JUN.2025 12:26:45



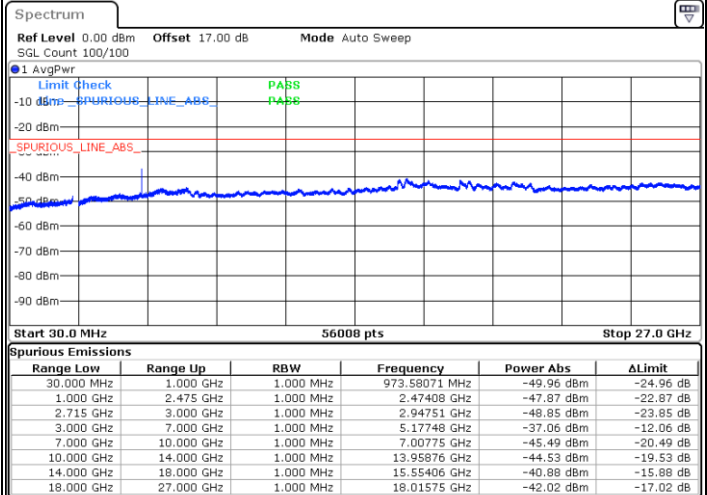
LTE Band 41 / 10MHz

Lowest Channel / QPSK



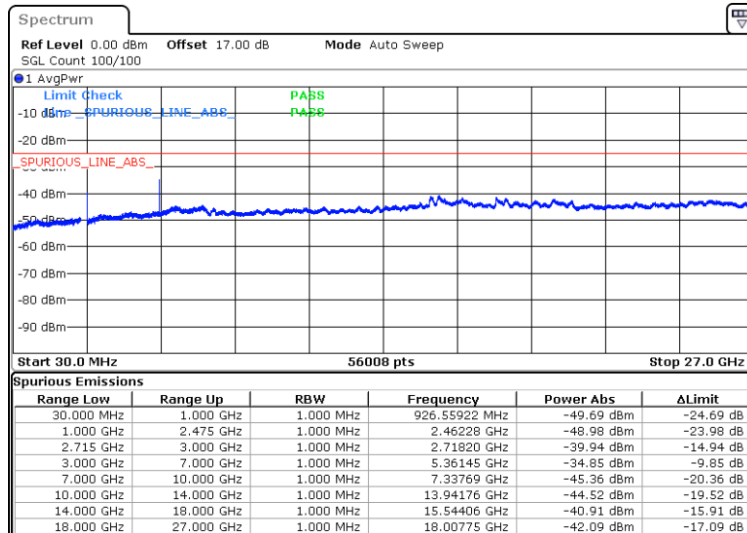
Date: 27.JUN.2025 20:27:28

Middle Channel / QPSK



Date: 30.JUN.2025 13:00:05

Highest Channel / QPSK



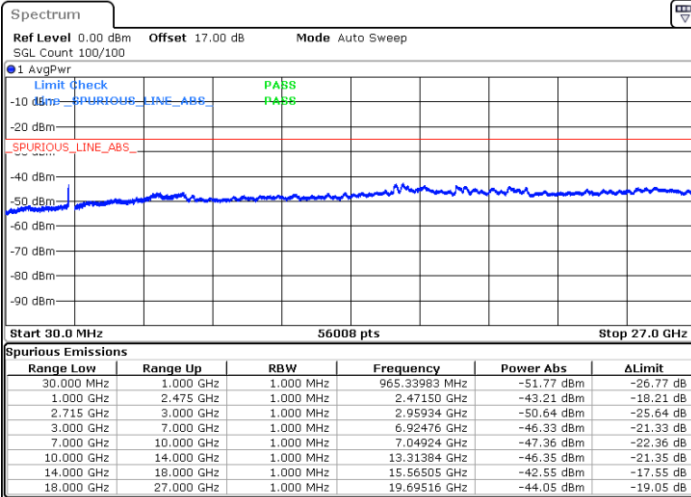
Date: 30.JUN.2025 12:55:46



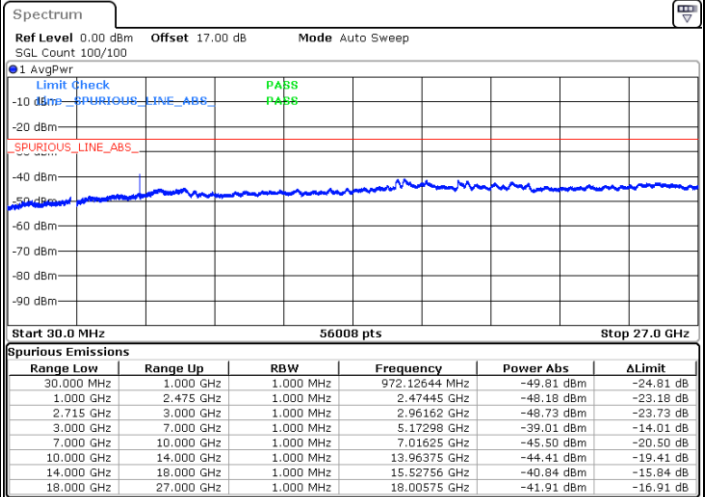
LTE Band 41 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

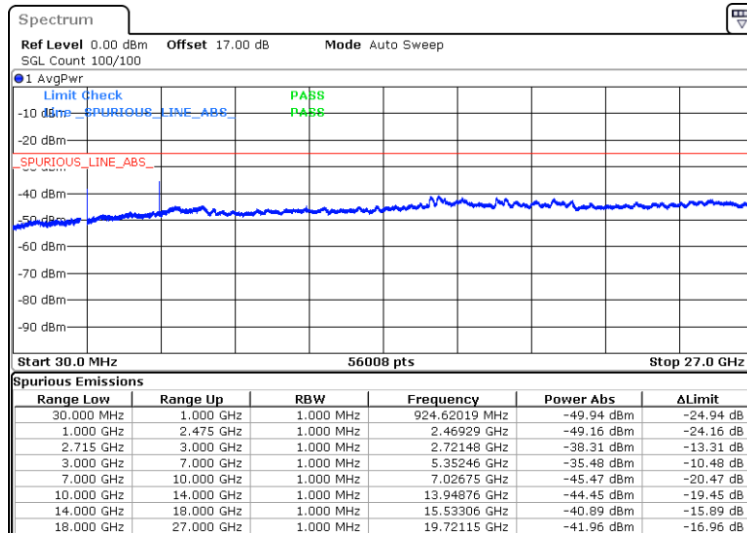


Date: 27.JUN.2025 20:31:38



Date: 30.JUN.2025 14:47:53

Highest Channel / QPSK

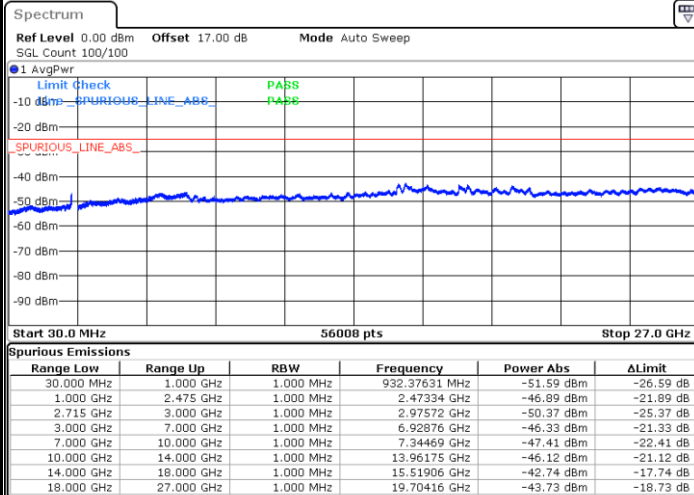


Date: 30.JUN.2025 14:45:16



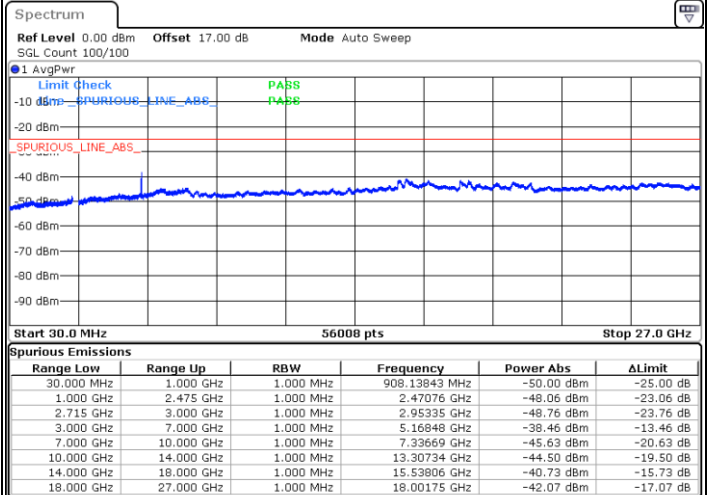
LTE Band 41 / 20MHz

Lowest Channel / QPSK



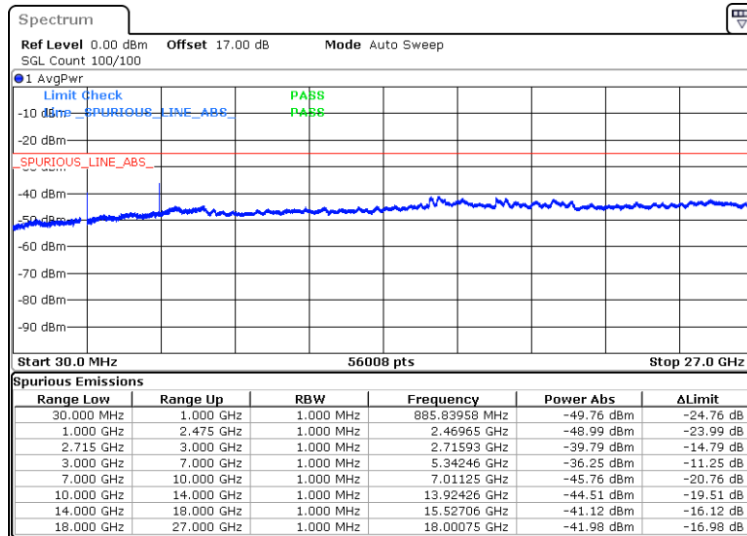
Date: 27.JUN.2025 20:35:48

Middle Channel / QPSK



Date: 30.JUN.2025 15:12:00

Highest Channel / QPSK



Date: 30.JUN.2025 10:54:20

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	0.0010	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0049	
-20	Normal Voltage	0.0033	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0035	

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 42

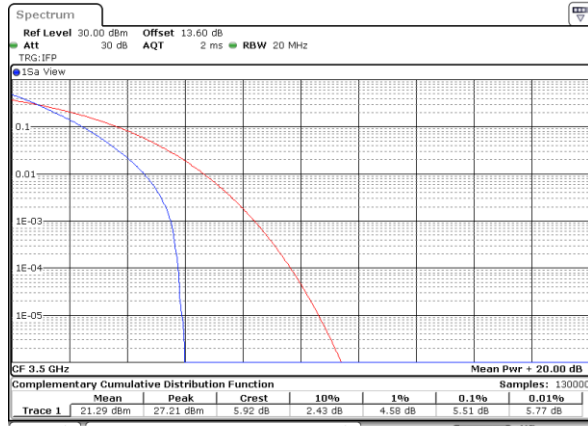
Peak-to-Average Ratio

Mode	LTE Band 42 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.51	6.49	6.87	6.70	PASS



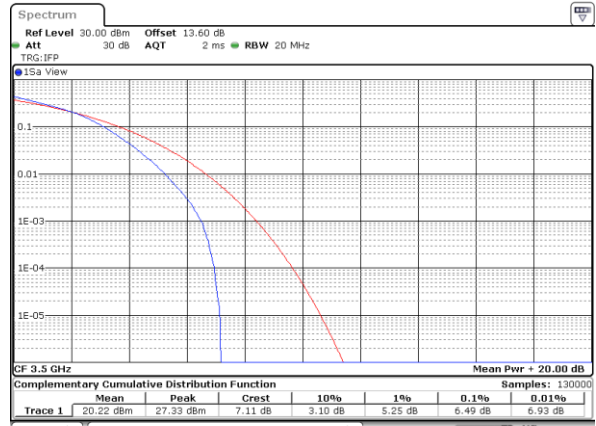
LTE Band 42 / 20MHz / QPSK

Middle Channel / Full RB



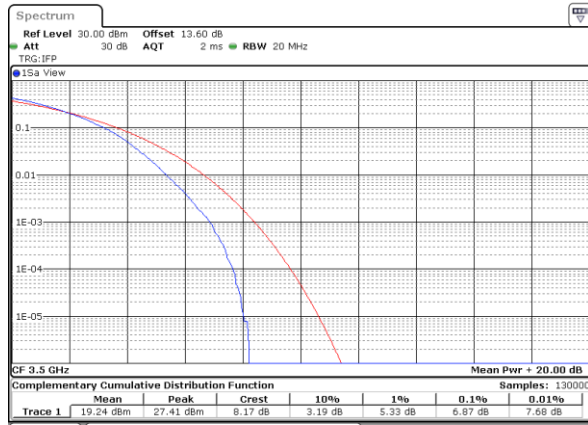
LTE Band 42 / 20MHz / 16QAM

Middle Channel / Full RB



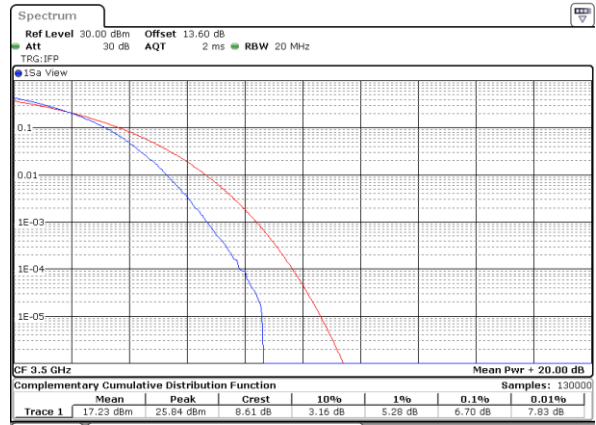
LTE Band 42 / 20MHz / 64QAM

Middle Channel / Full RB



LTE Band 42 / 20MHz / 256QAM

Middle Channel / Full RB



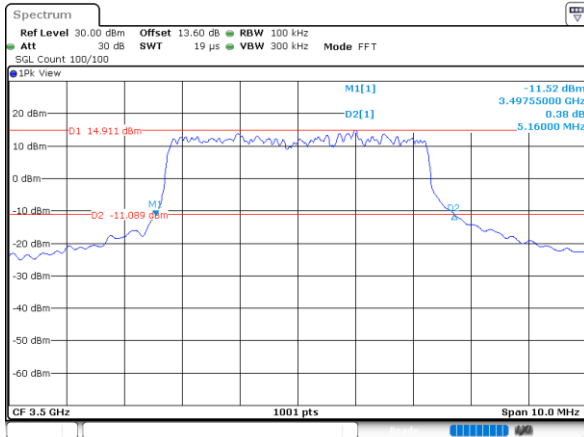
**26dB Bandwidth**

Mode	LTE Band 42 : 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	-	-	-	-	5.16	5.03	9.80	9.64	14.22	14.40	18.80	18.96
Mode	LTE Band 42 : 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	-	-	-	-	5.03	5.02	9.66	9.86	14.16	14.19	18.84	19.00



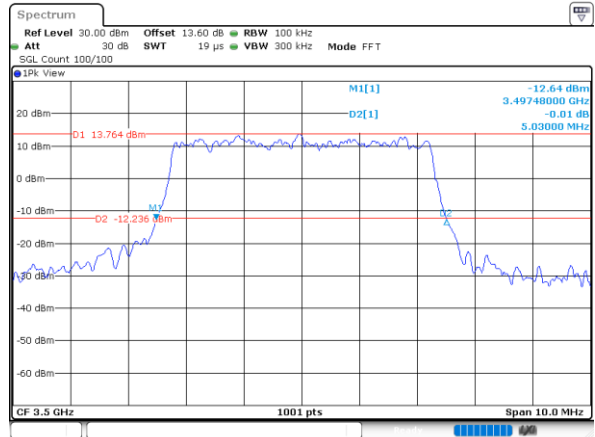
LTE Band 42

Middle Channel / 5MHz / QPSK



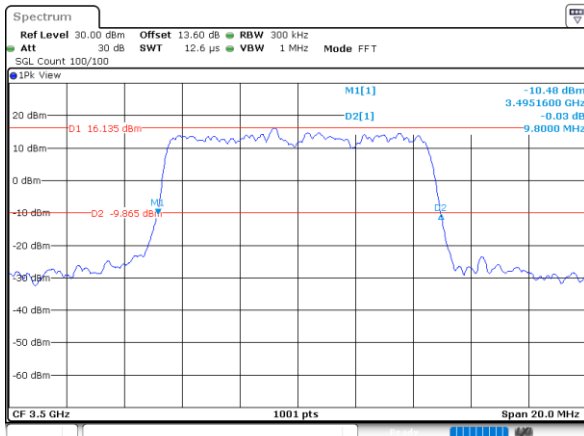
Date: 18.JUN.2025 18:16:58

Middle Channel / 5MHz / 16QAM



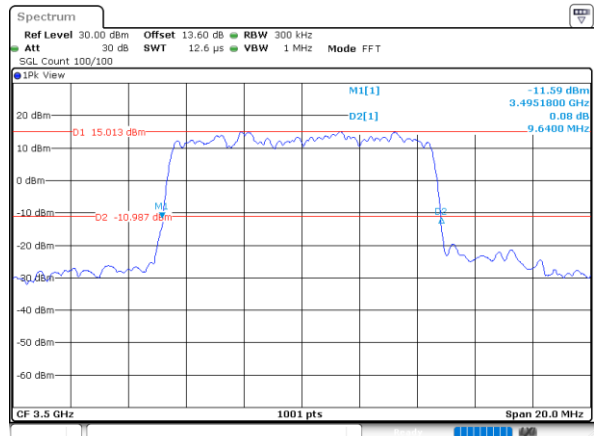
Date: 18.JUN.2025 18:17:21

Middle Channel / 10MHz / QPSK



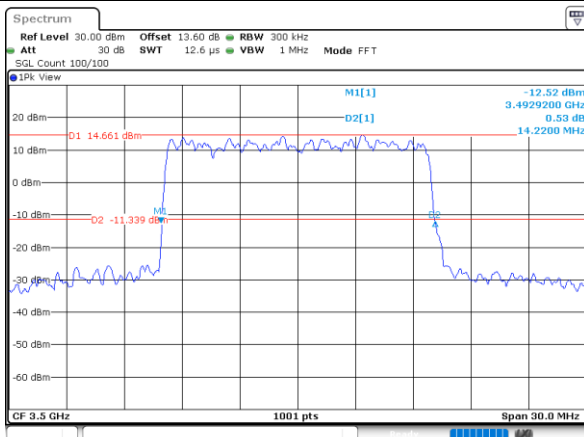
Date: 18.JUN.2025 18:18:29

Middle Channel / 10MHz / 16QAM



Date: 18.JUN.2025 18:18:52

Middle Channel / 15MHz / QPSK



Date: 18.JUN.2025 18:20:01

Middle Channel / 15MHz / 16QAM

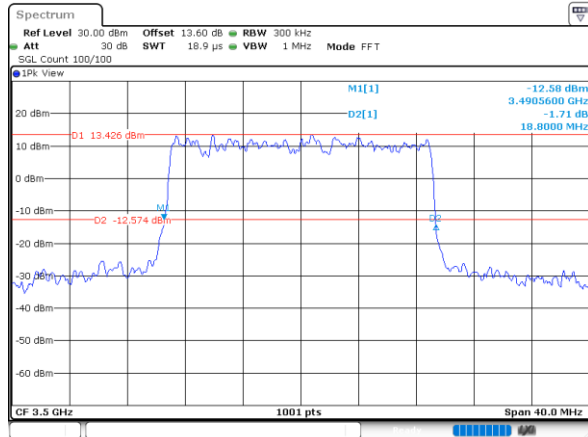


Date: 18.JUN.2025 18:20:24



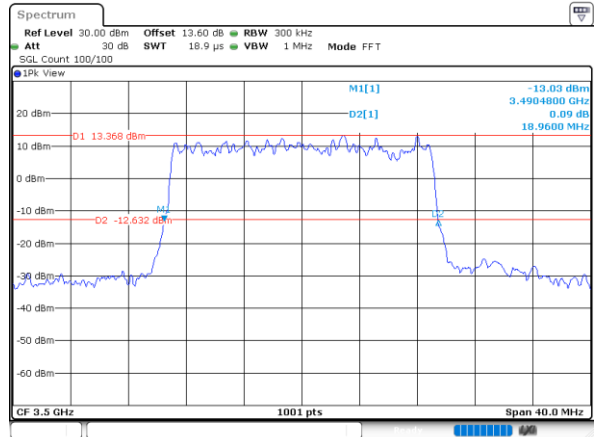
LTE Band 42

Middle Channel / 20MHz / QPSK



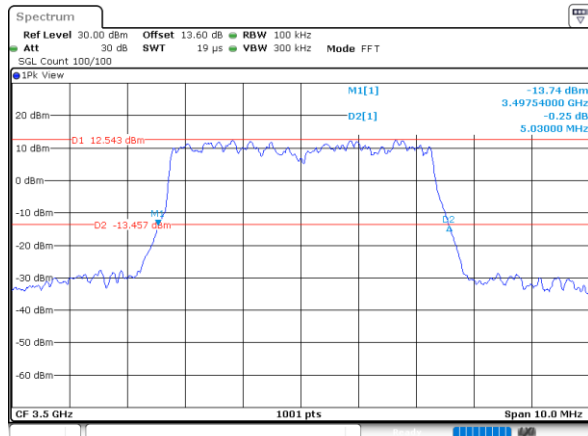
Date: 18.JUN.2025 18:21:33

Middle Channel / 20MHz / 16QAM



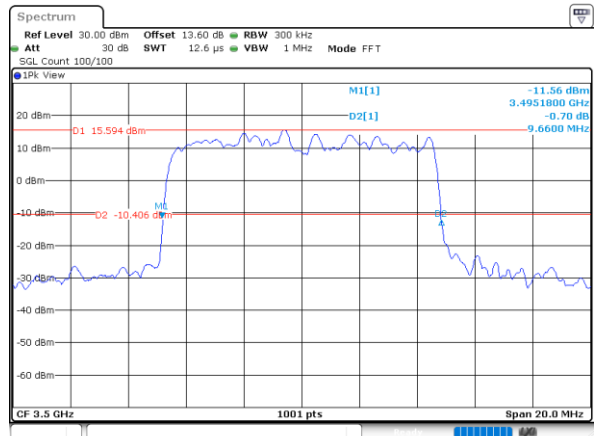
Date: 18.JUN.2025 18:21:56

Middle Channel / 5MHz / 64QAM



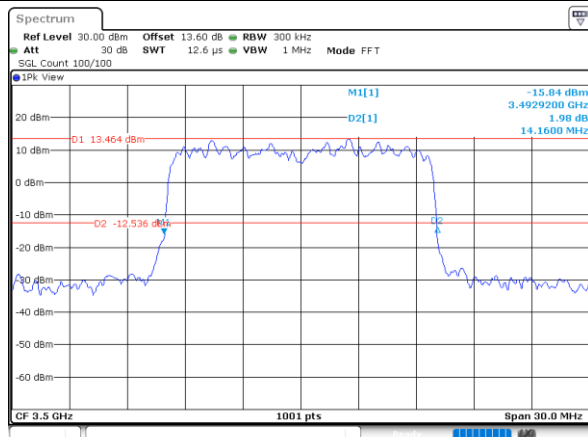
Date: 18.JUN.2025 18:17:45

Middle Channel / 10MHz / 64QAM



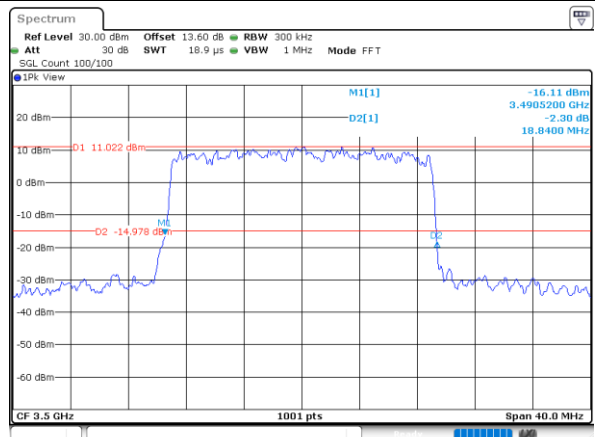
Date: 18.JUN.2025 18:19:15

Middle Channel / 15MHz / 64QAM



Date: 18.JUN.2025 18:20:47

Middle Channel / 20MHz / 64QAM



Date: 18.JUN.2025 18:22:19