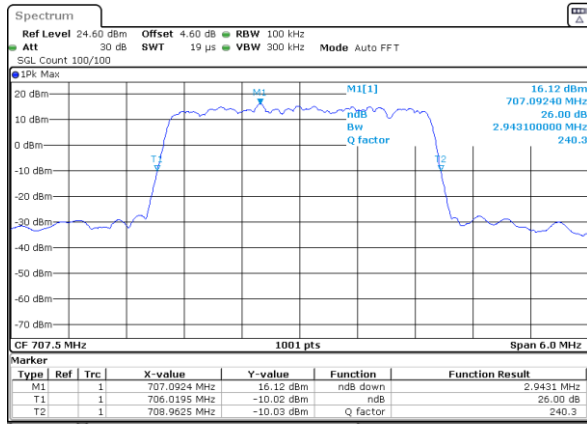




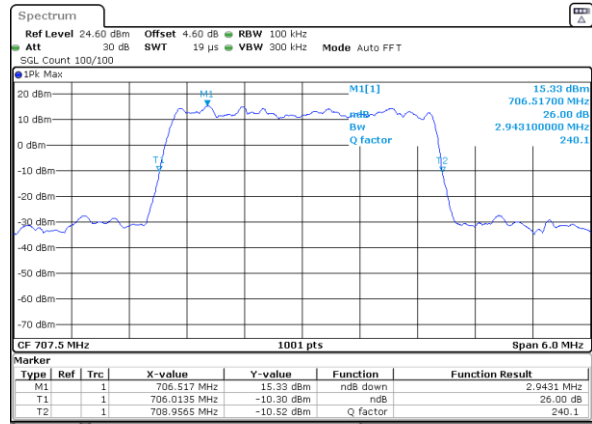
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 23_JUN,2025 10:35:39

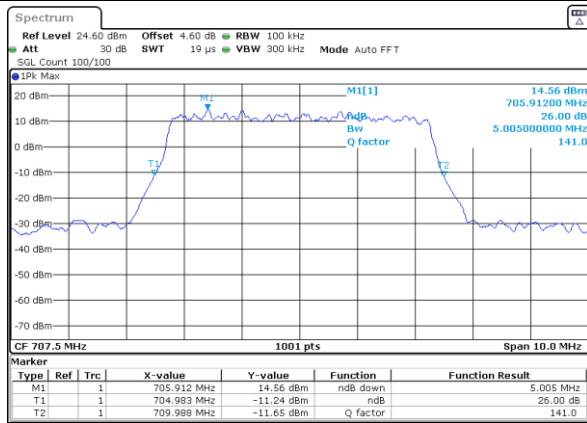
Middle Channel / 3MHz / 16QAM



Date: 23_JUN,2025 10:36:04

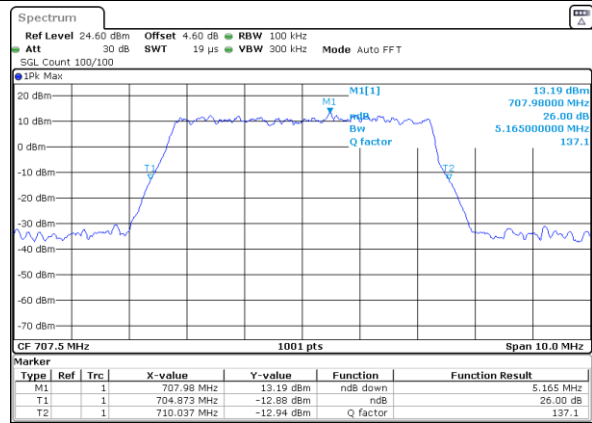
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 23_JUN,2025 10:31:56

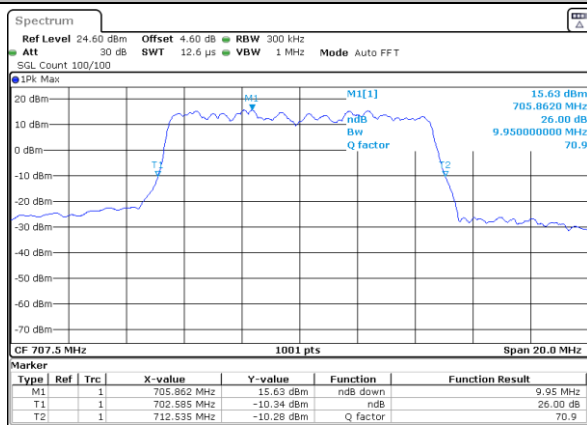
Middle Channel / 5MHz / 16QAM



Date: 23_JUN,2025 10:32:22

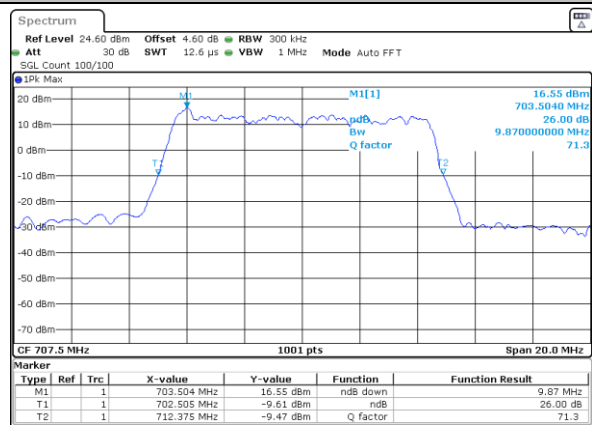
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 23_JUN,2025 10:29:02

Middle Channel / 10MHz / 16QAM

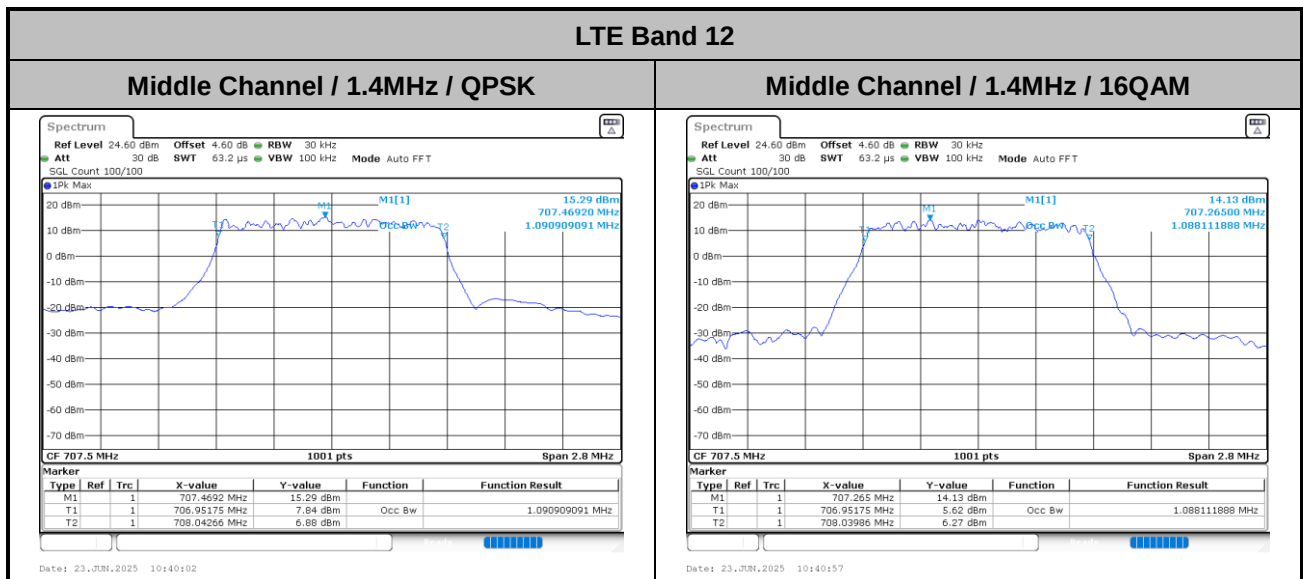


Date: 23_JUN,2025 10:29:27



Occupied Bandwidth

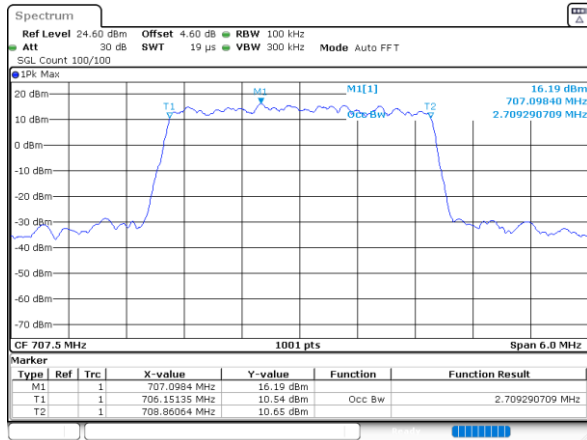
Mode	LTE Band 12 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.71	2.71
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.11	9.01



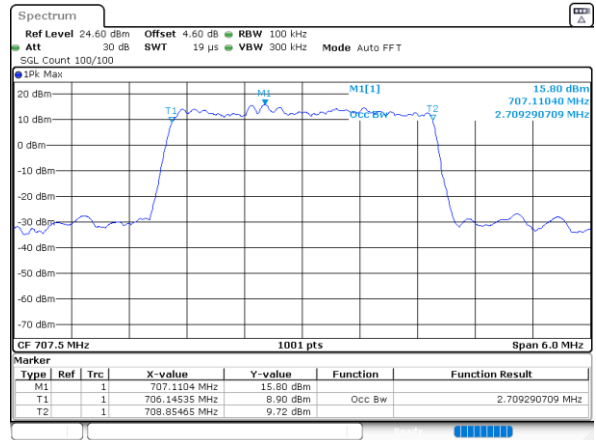


LTE Band 12

Middle Channel / 3MHz / QPSK

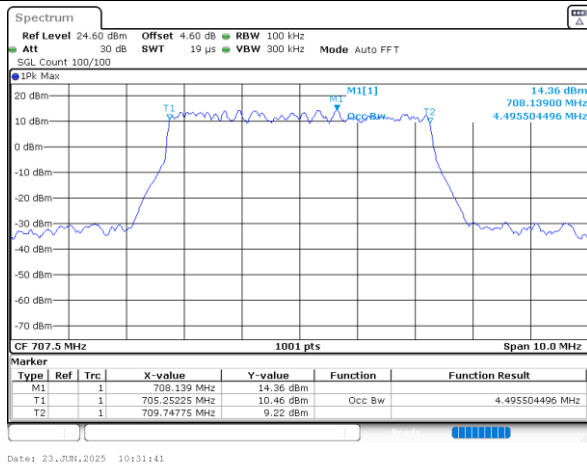


Middle Channel / 3MHz / 16QAM

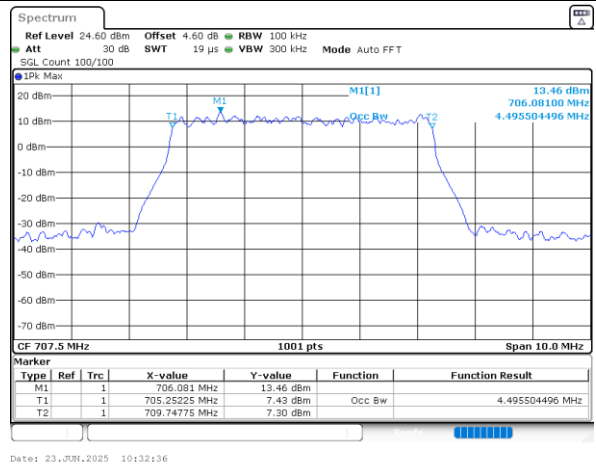


LTE Band 12

Middle Channel / 5MHz / QPSK

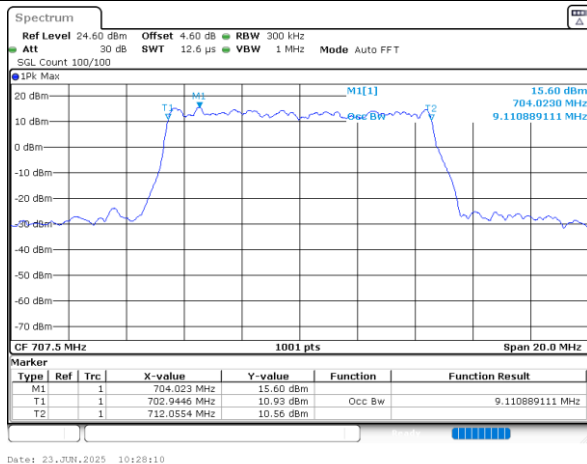


Middle Channel / 5MHz / 16QAM

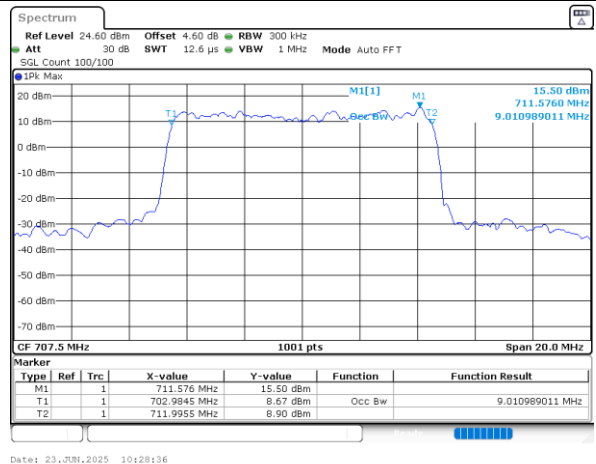


LTE Band 12

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

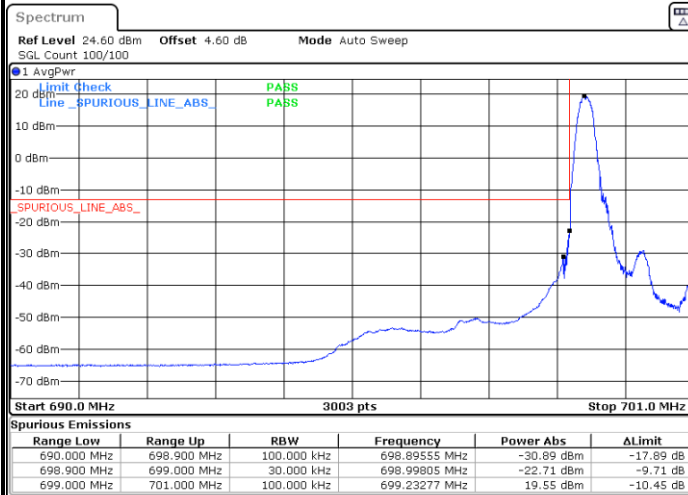




Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

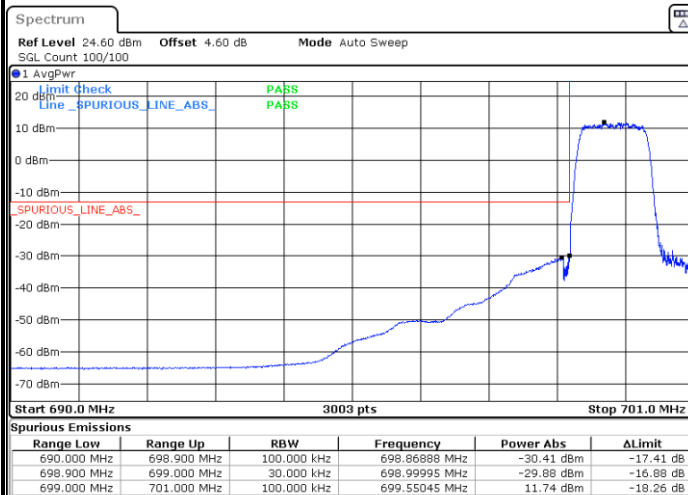
Lowest Band Edge / 1RB



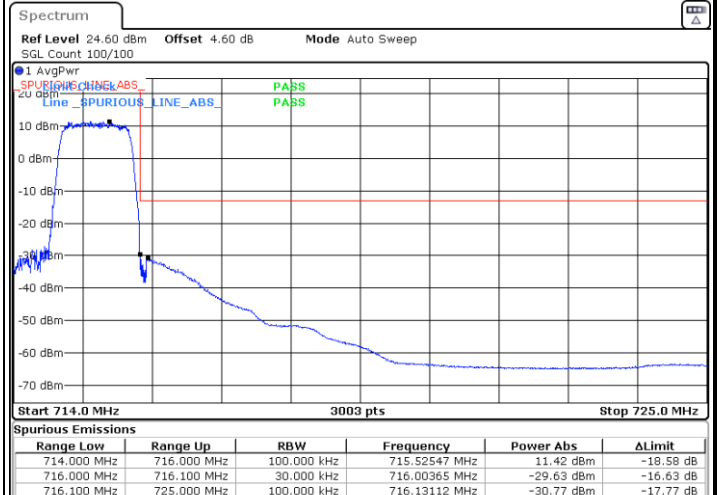
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



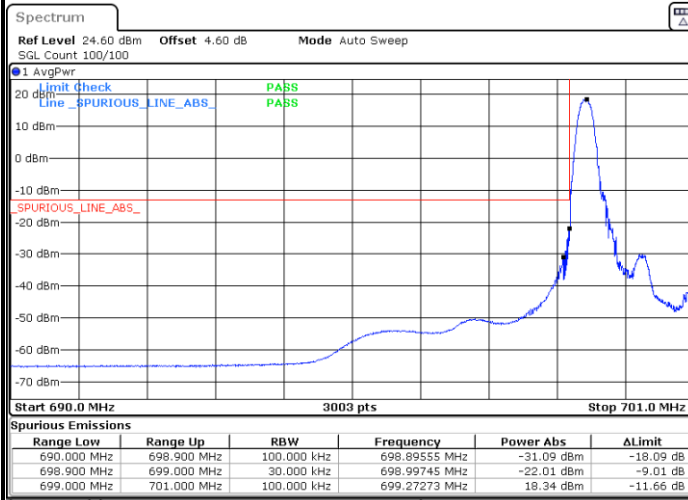
Highest Band Edge / Full RB



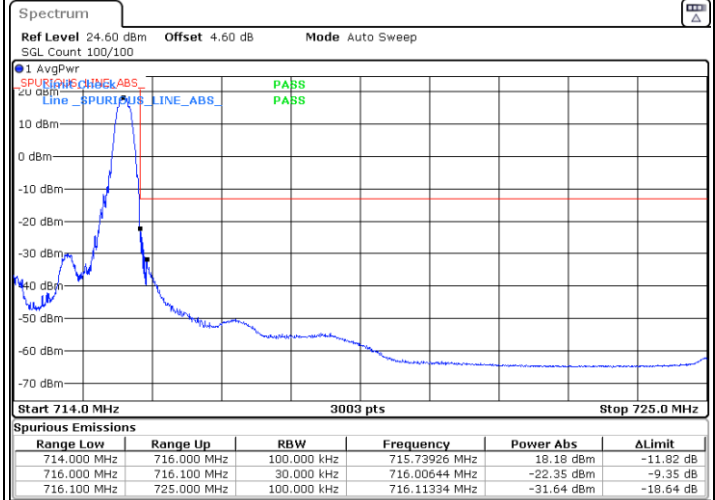


LTE Band 12 / 1.4MHz / 16QAM

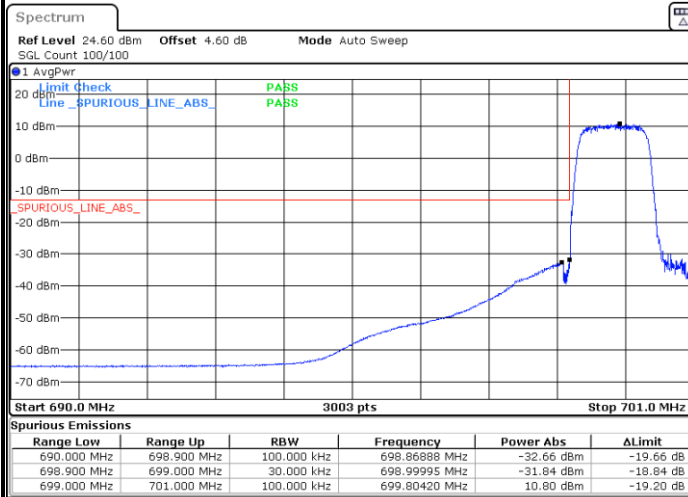
Lowest Band Edge / 1 RB



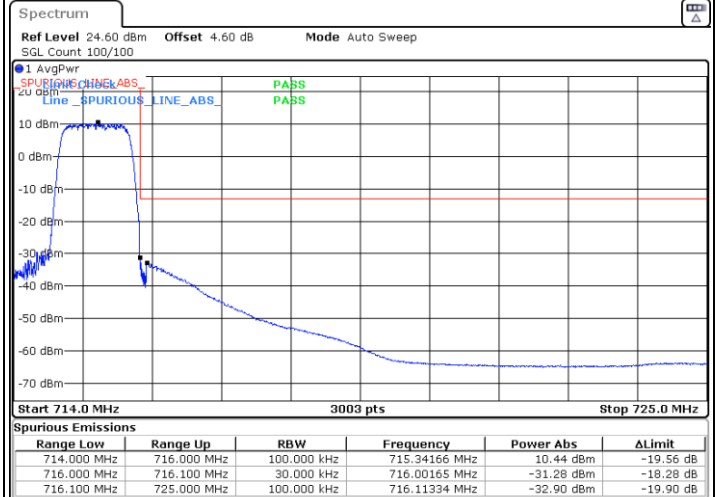
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



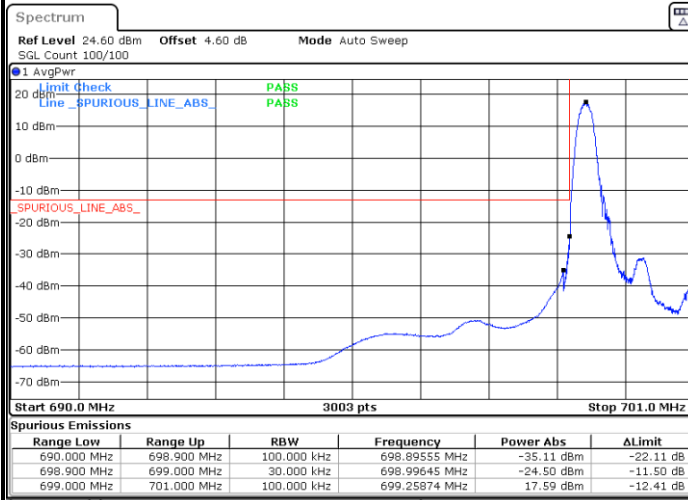
Highest Band Edge / Full RB



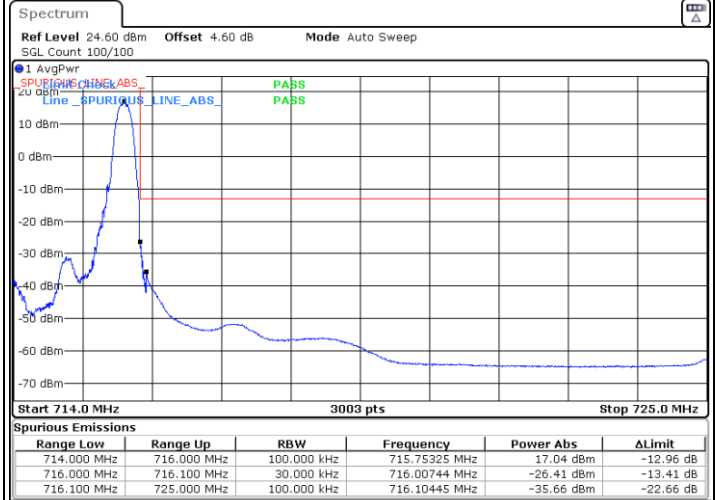


LTE Band 12 / 1.4MHz / 64QAM

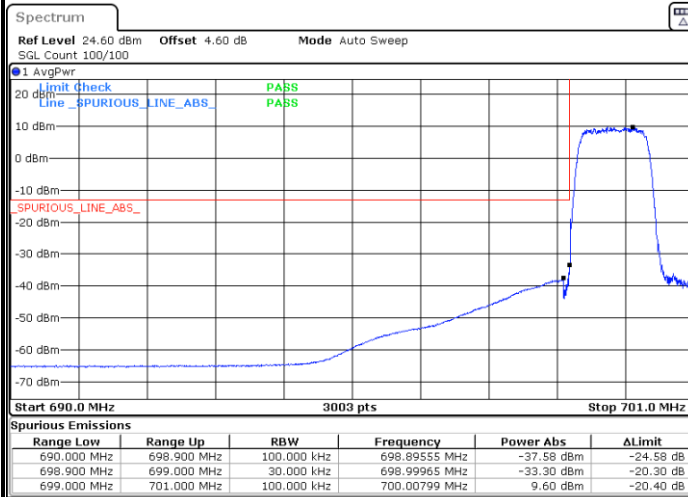
Lowest Band Edge / 1 RB



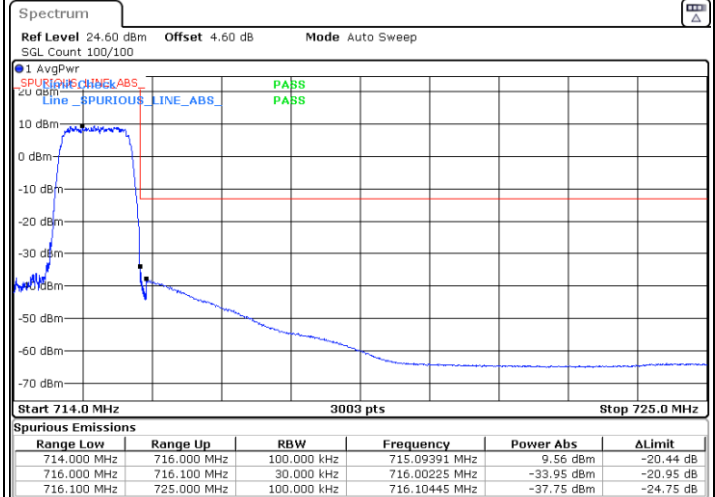
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



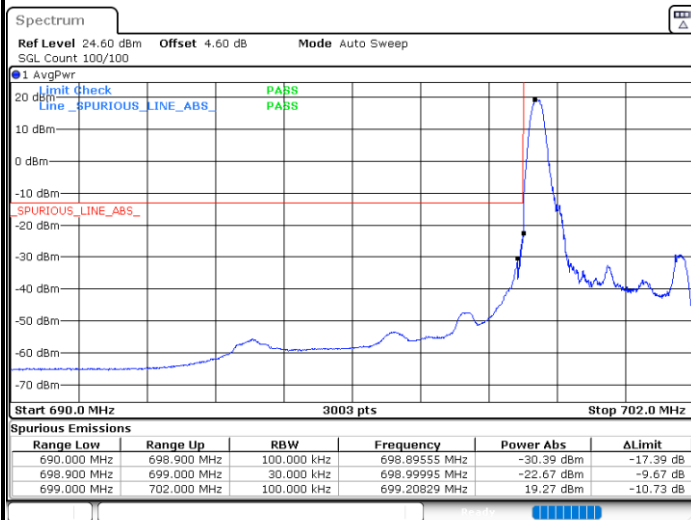
Highest Band Edge / Full RB



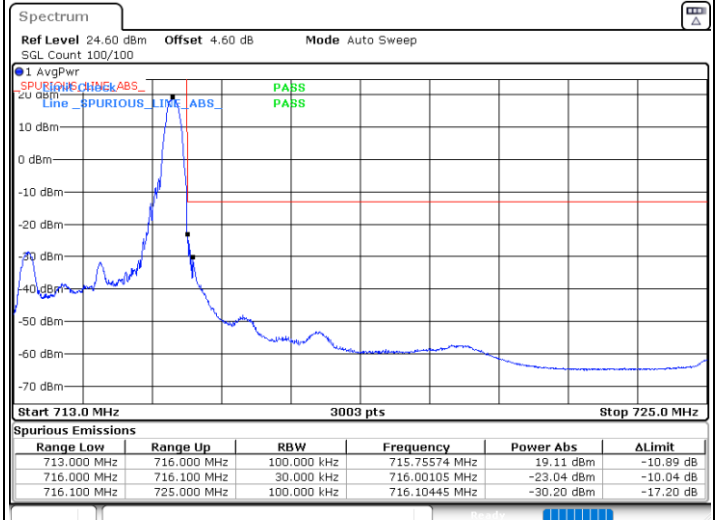


LTE Band 12 / 3MHz / QPSK

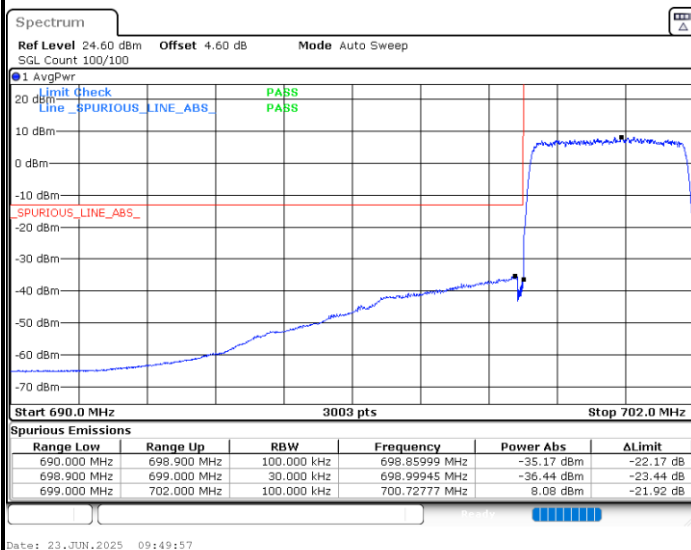
Lowest Band Edge / 1RB



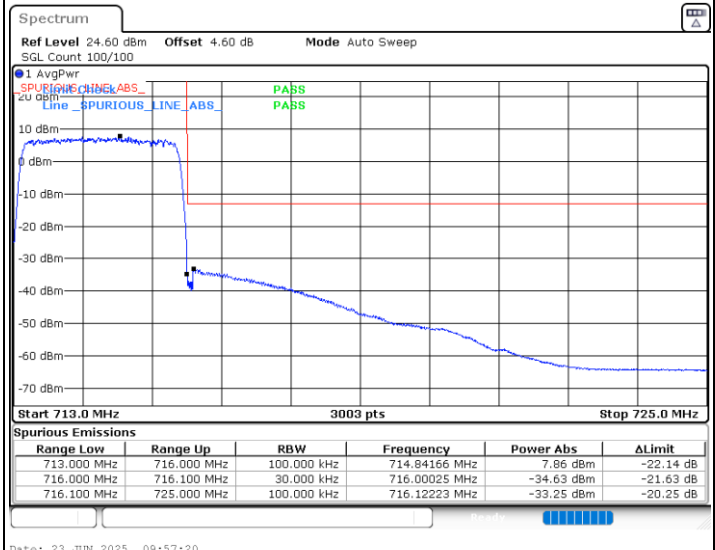
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



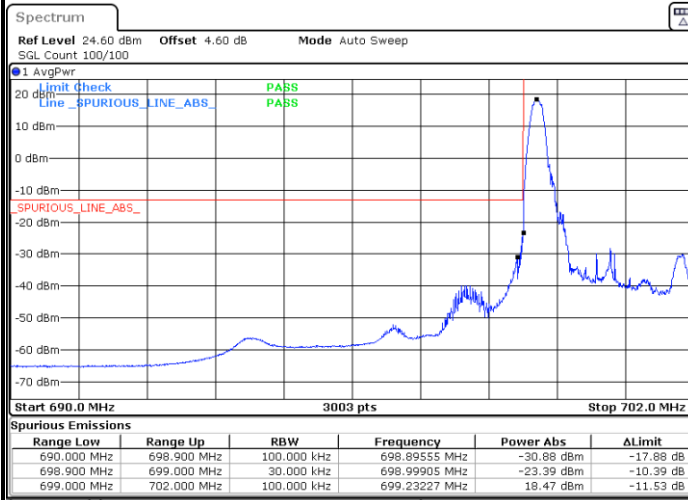
Highest Band Edge / Full RB





LTE Band 12 / 3MHz / 16QAM

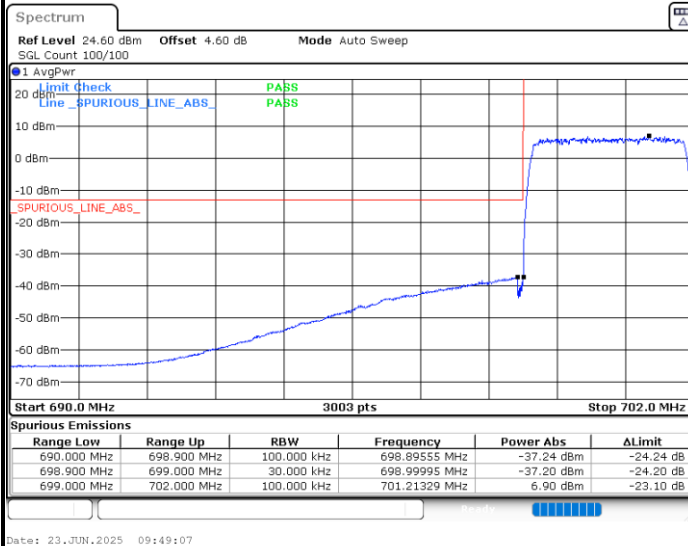
Lowest Band Edge / 1 RB



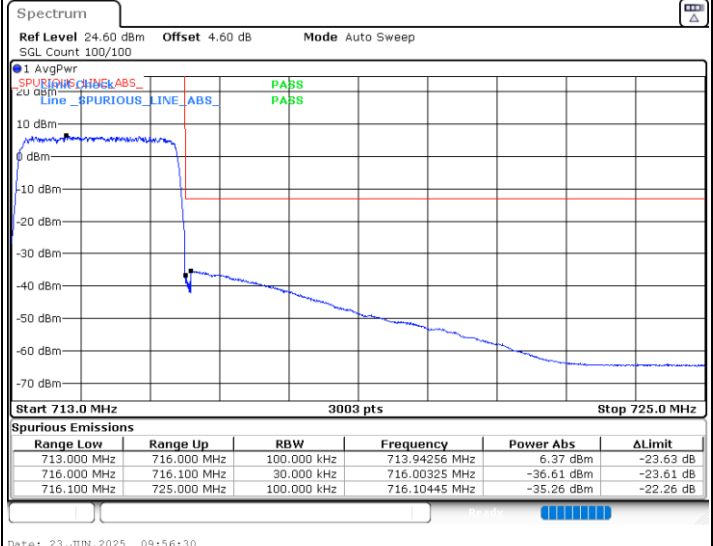
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



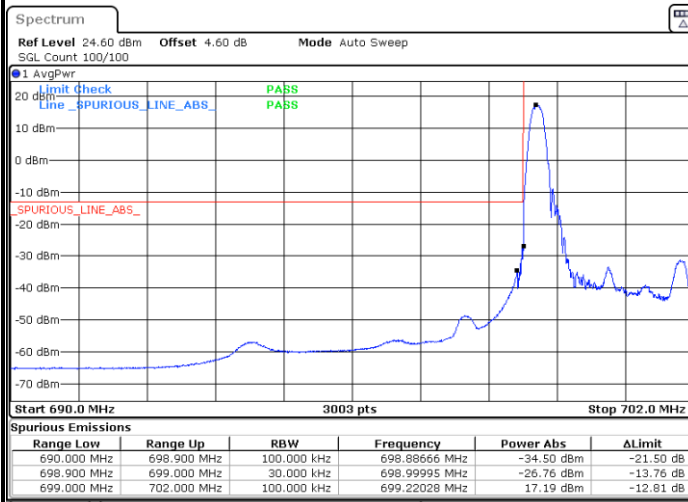
Highest Band Edge / Full RB



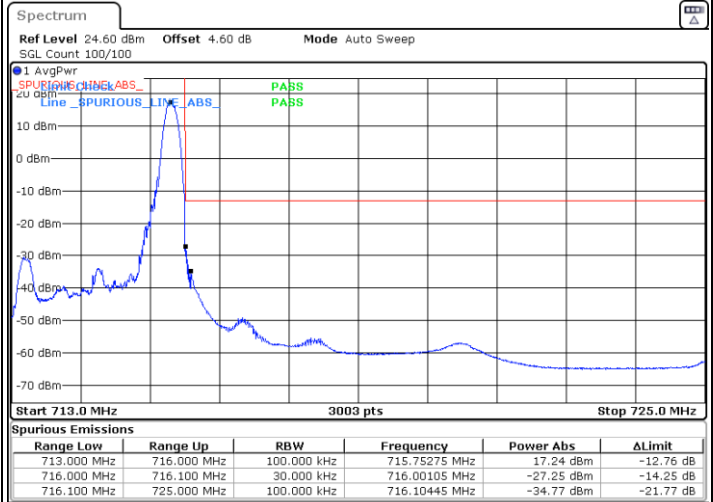


LTE Band 12 / 3MHz / 64QAM

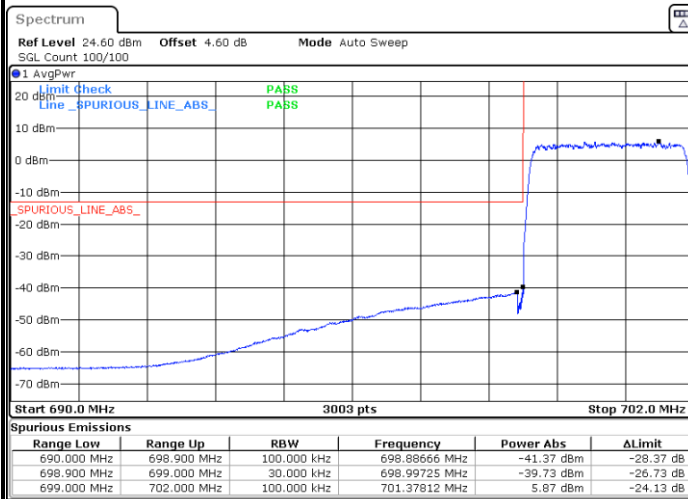
Lowest Band Edge / 1 RB



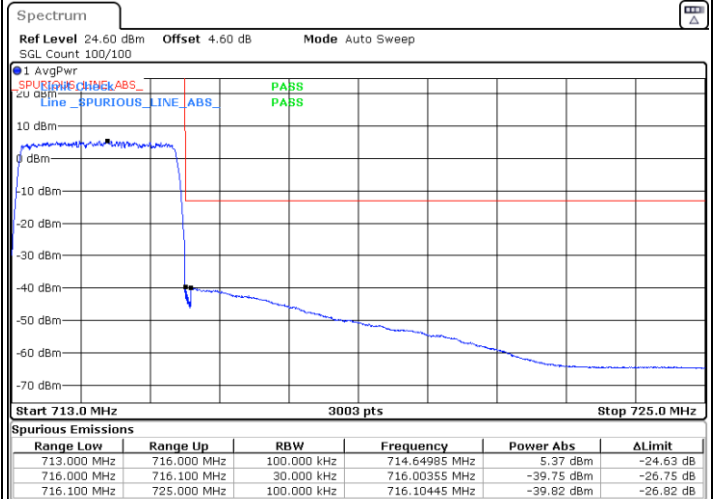
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



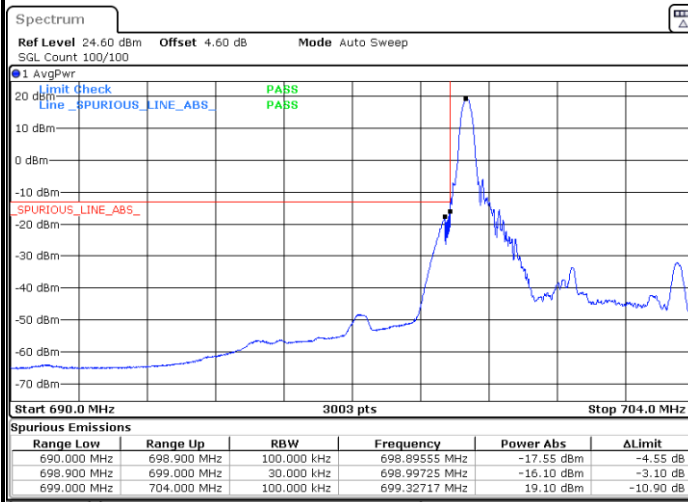
Highest Band Edge / Full RB



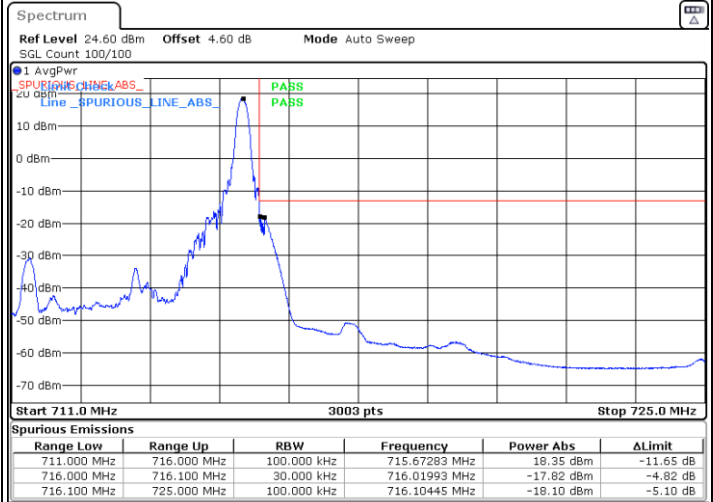


LTE Band 12 / 5MHz / QPSK

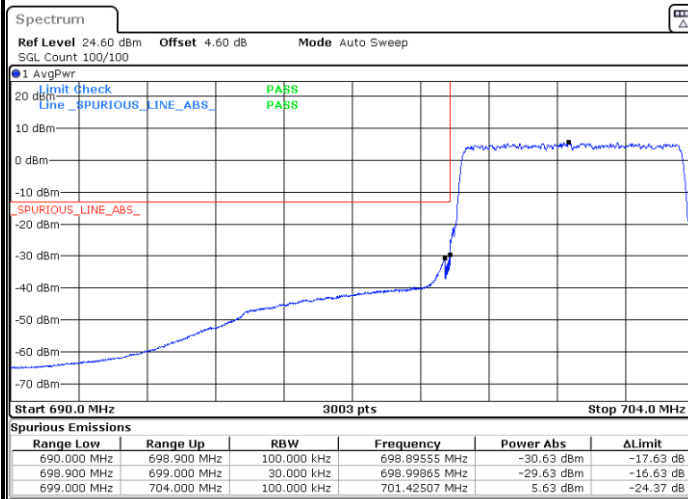
Lowest Band Edge / 1 RB



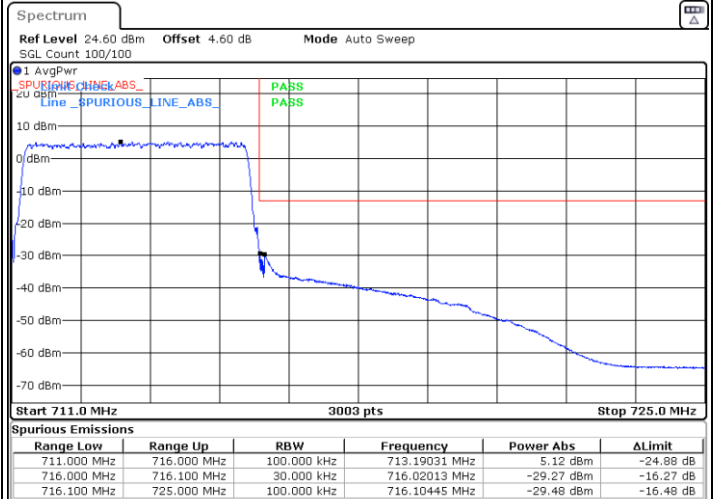
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



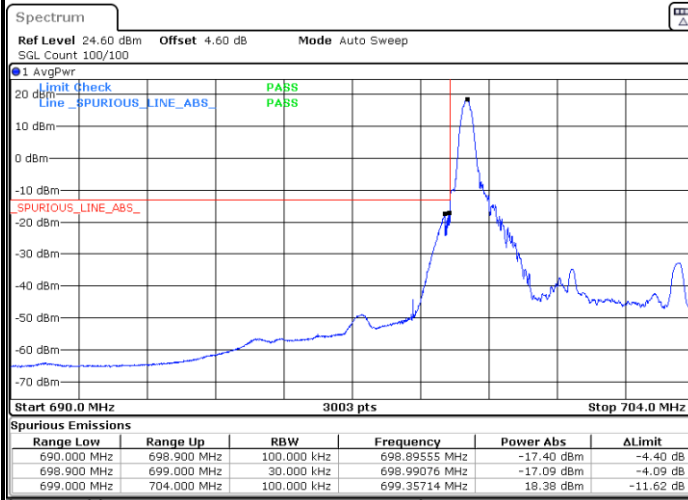
Highest Band Edge / Full RB



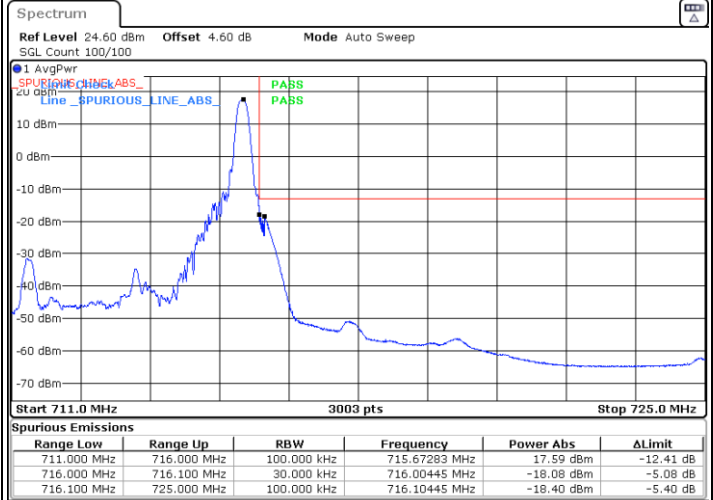


LTE Band 12 / 5MHz / 16QAM

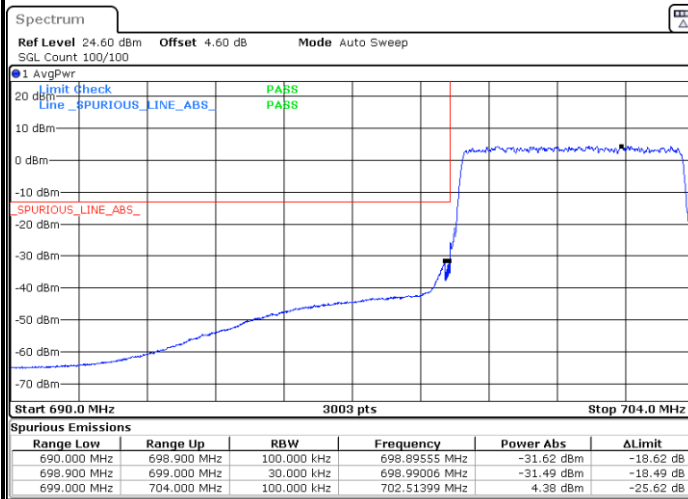
Lowest Band Edge / 1RB



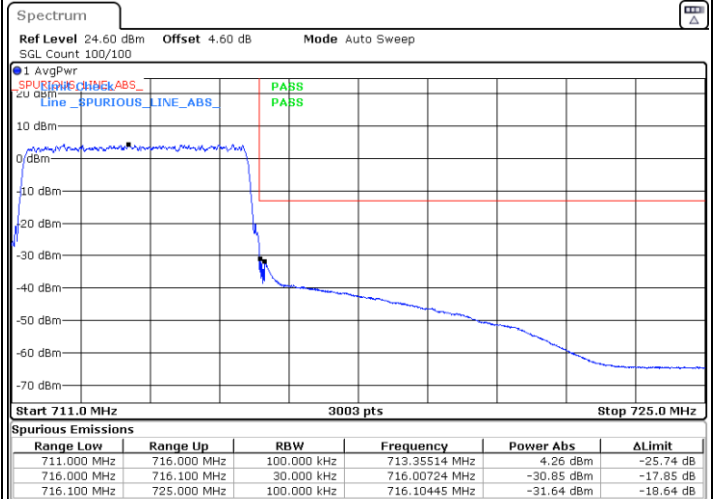
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



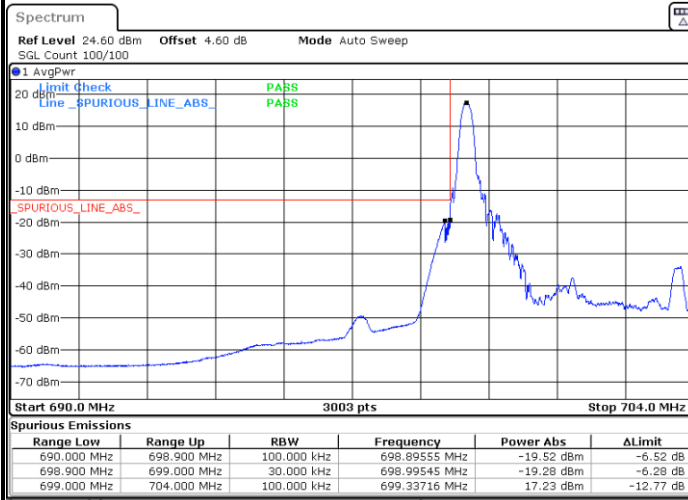
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / 64QAM

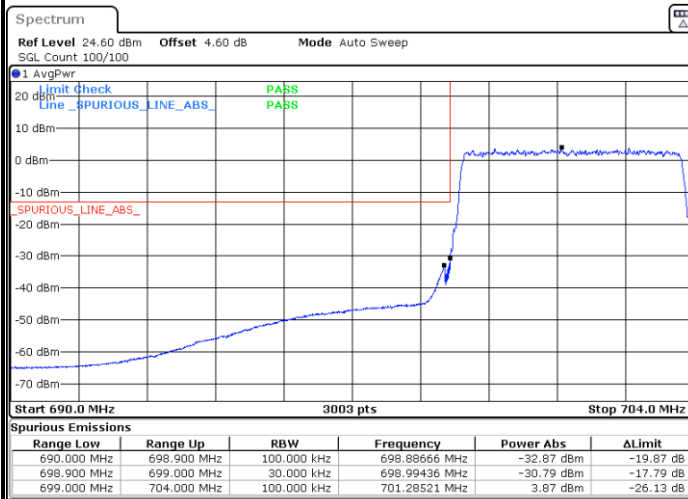
Lowest Band Edge / 1RB



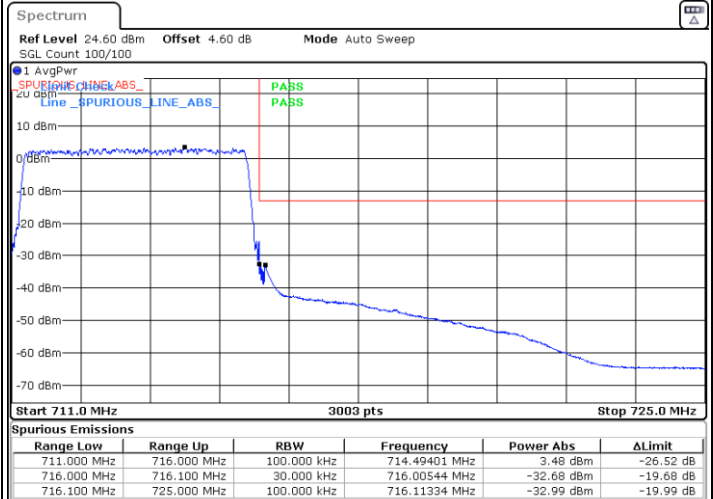
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



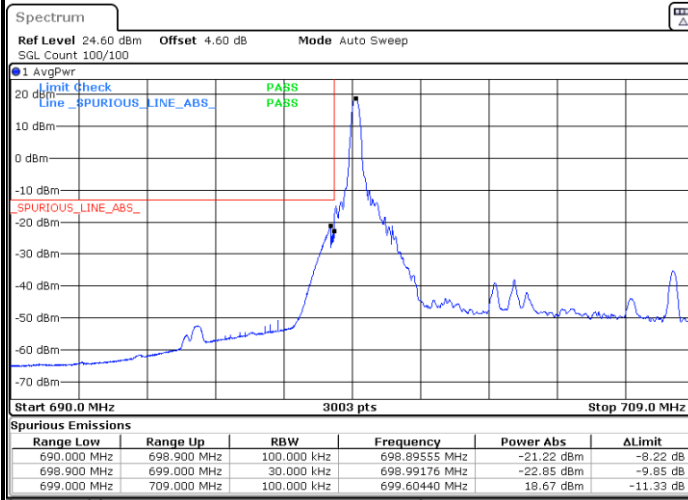
Highest Band Edge / Full RB



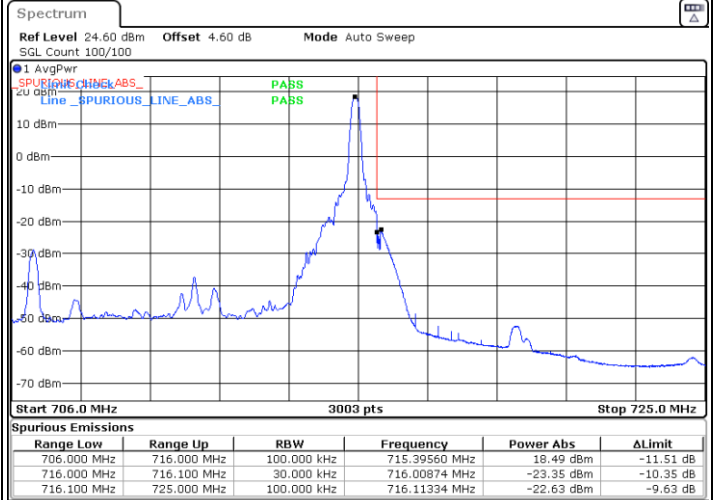


LTE Band 12 / 10MHz / QPSK

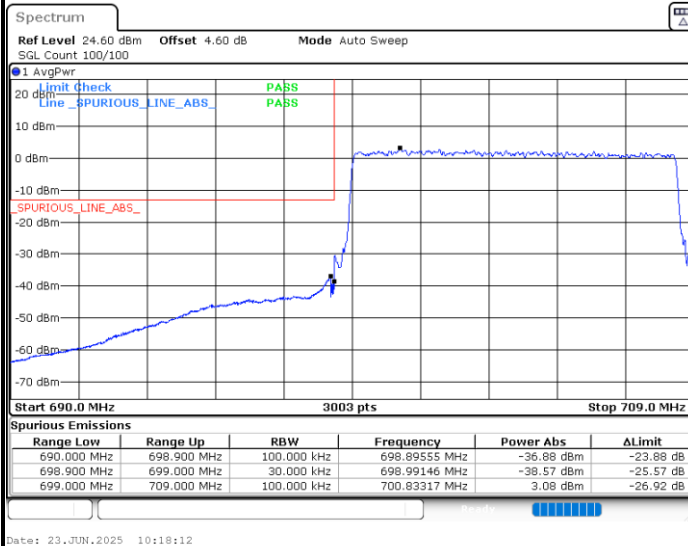
Lowest Band Edge / 1 RB



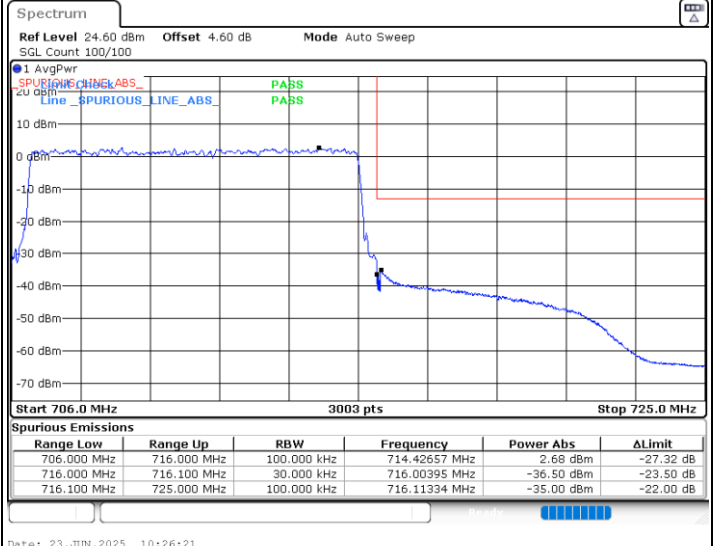
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



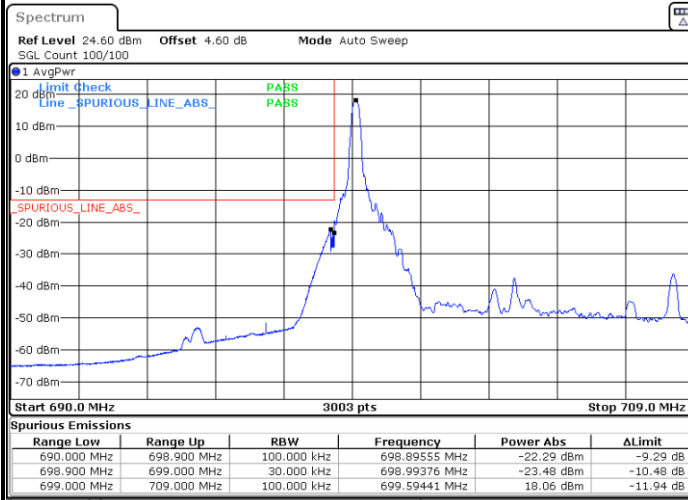
Highest Band Edge / Full RB



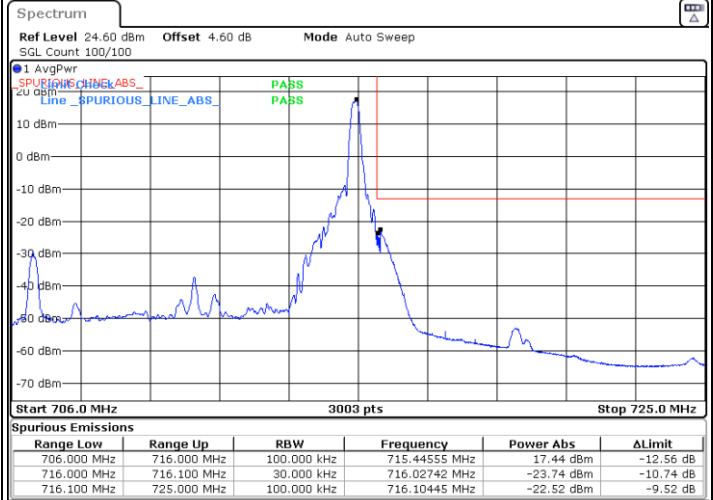


LTE Band 12 / 10MHz / 16QAM

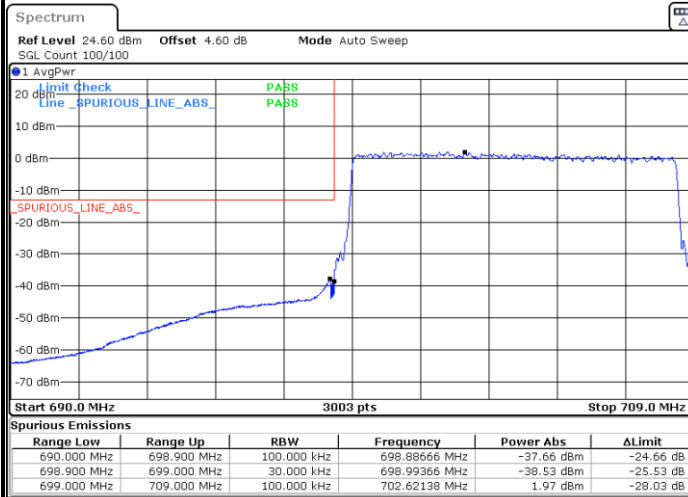
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



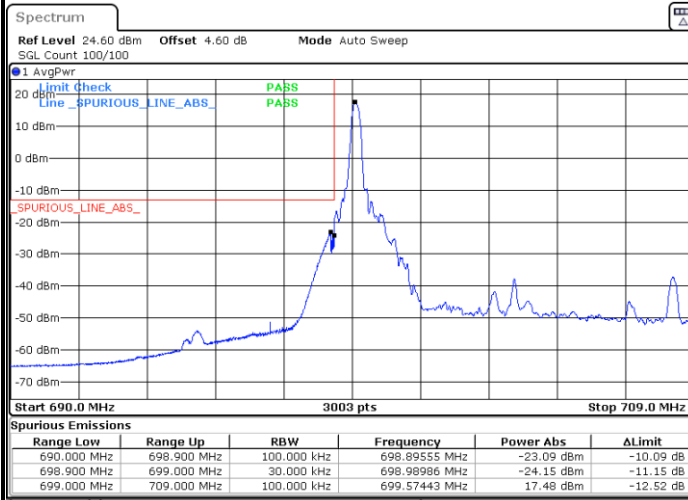
Highest Band Edge / Full RB



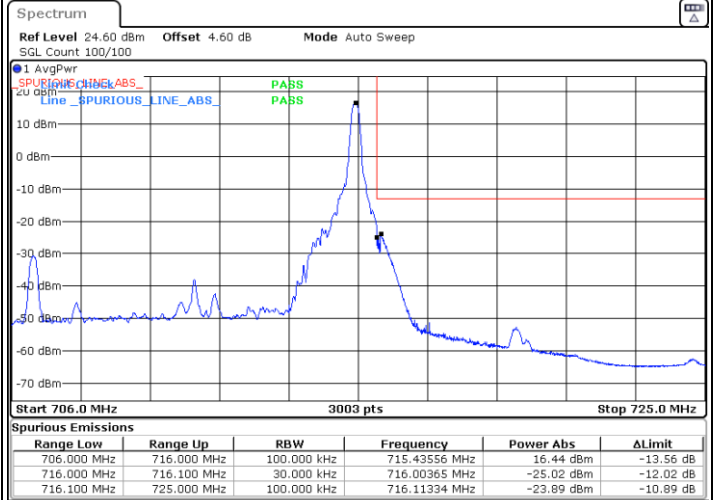


LTE Band 12 / 10MHz / 64QAM

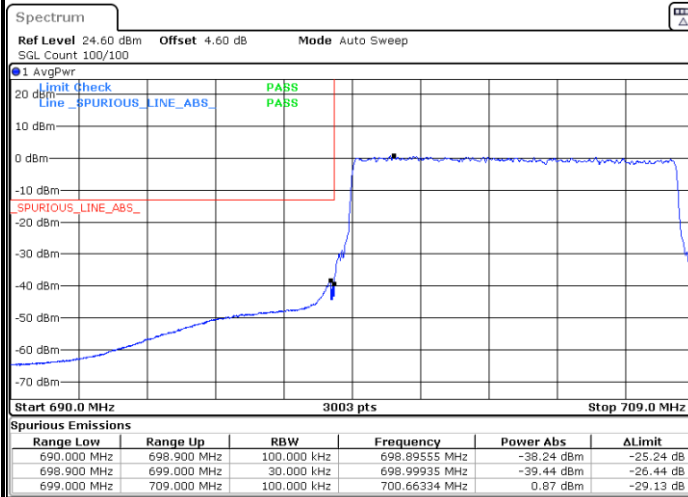
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

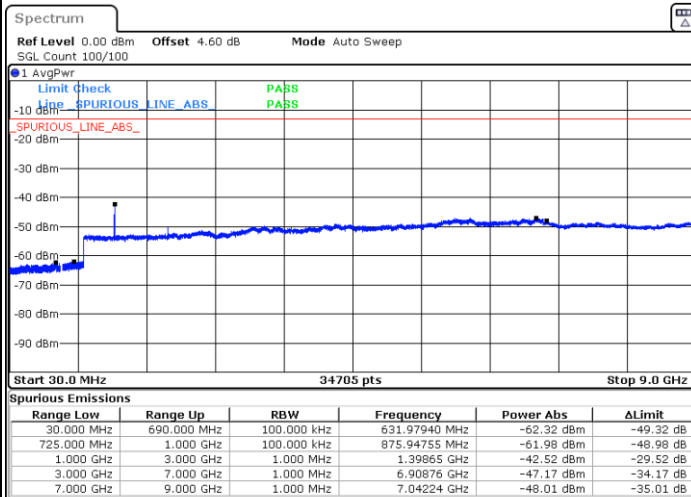




Conducted Spurious Emission

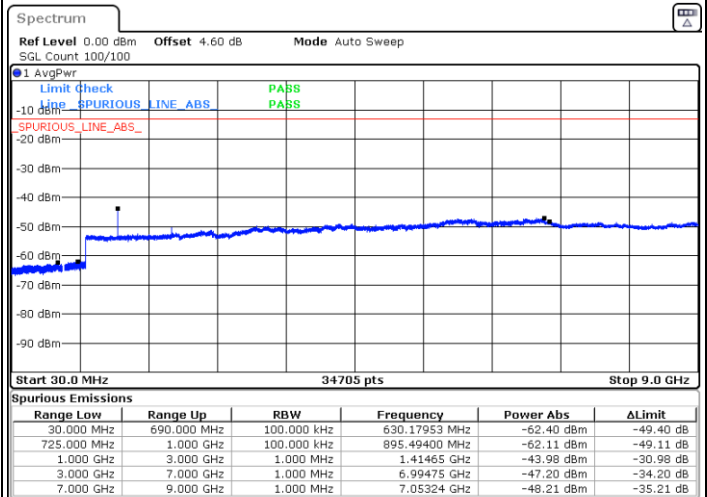
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



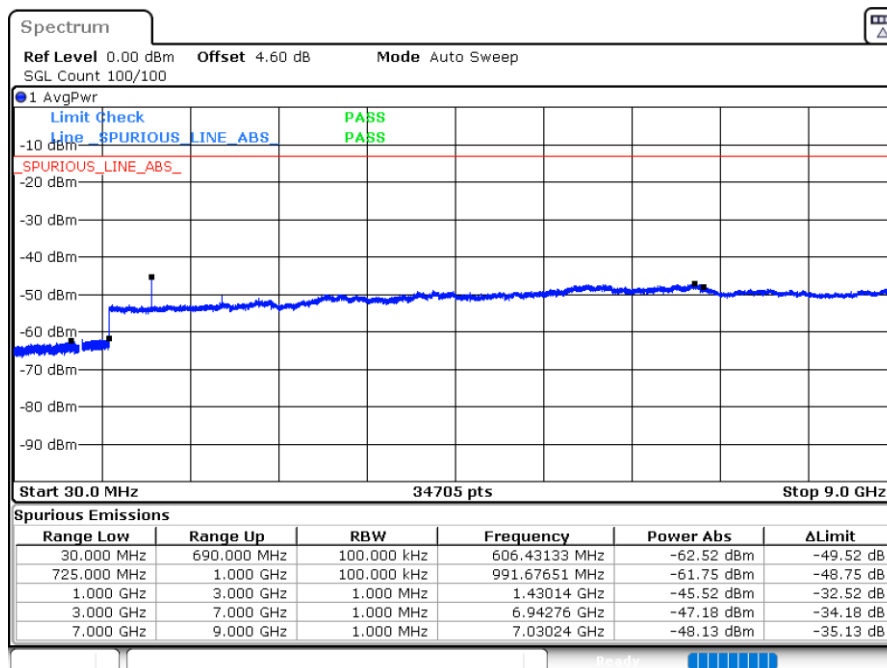
Date: 23.JUN.2025 09:31:10

Middle Channel / QPSK



Date: 23.JUN.2025 09:37:09

Highest Channel / QPSK

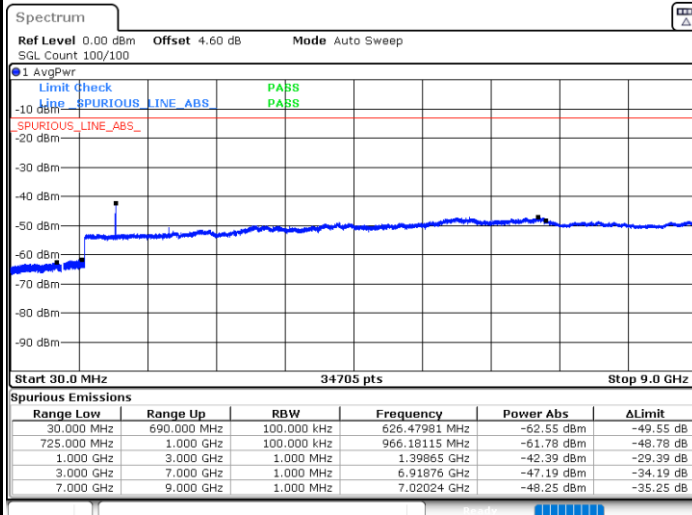


Date: 23.JUN.2025 09:38:25



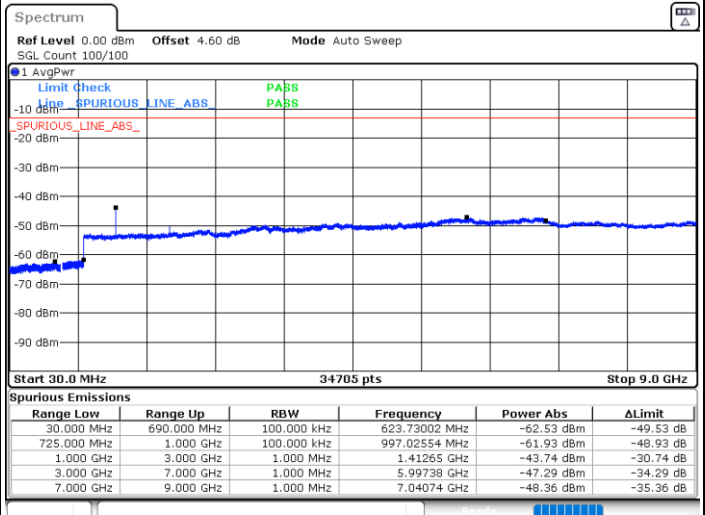
LTE Band 12 / 3MHz

Lowest Channel / QPSK



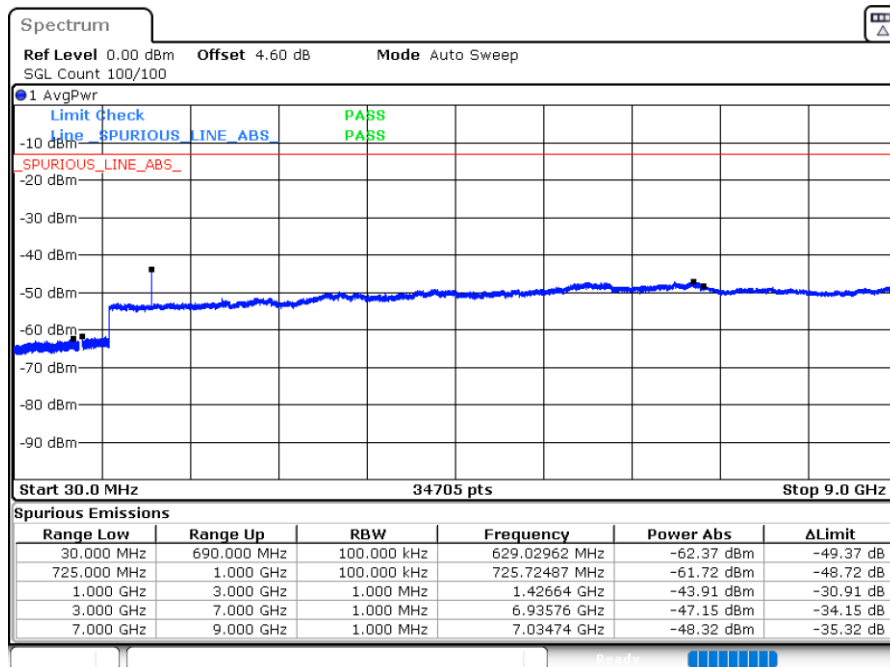
Date: 23.JUN.2025 09:45:15

Middle Channel / QPSK



Date: 23.JUN.2025 09:51:12

Highest Channel / QPSK

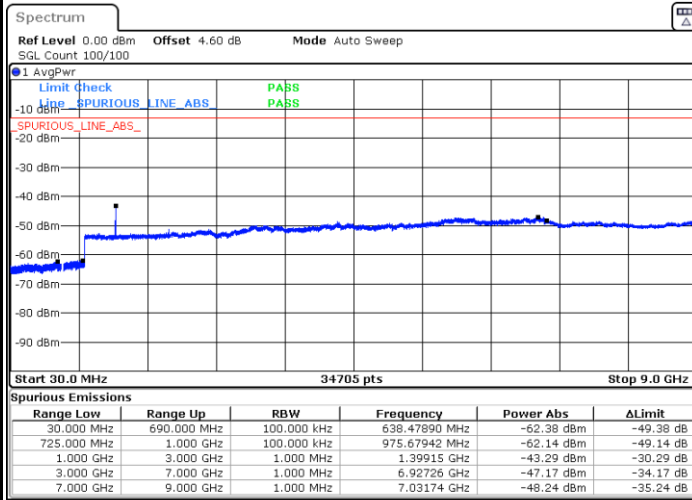


Date: 23.JUN.2025 09:52:28



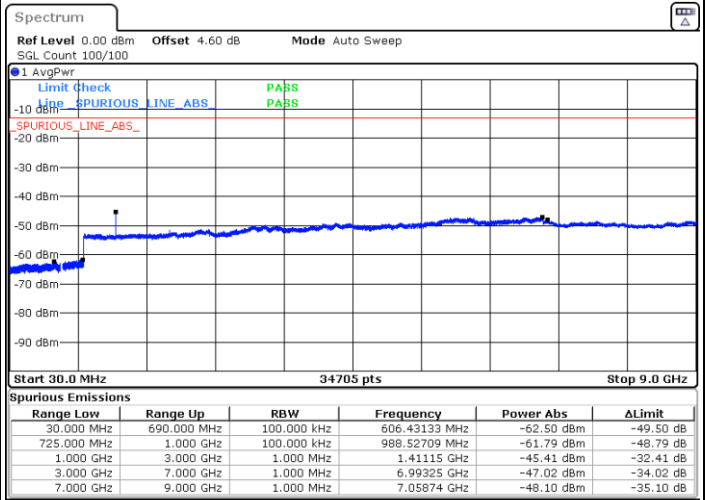
LTE Band 12 / 5MHz

Lowest Channel / QPSK



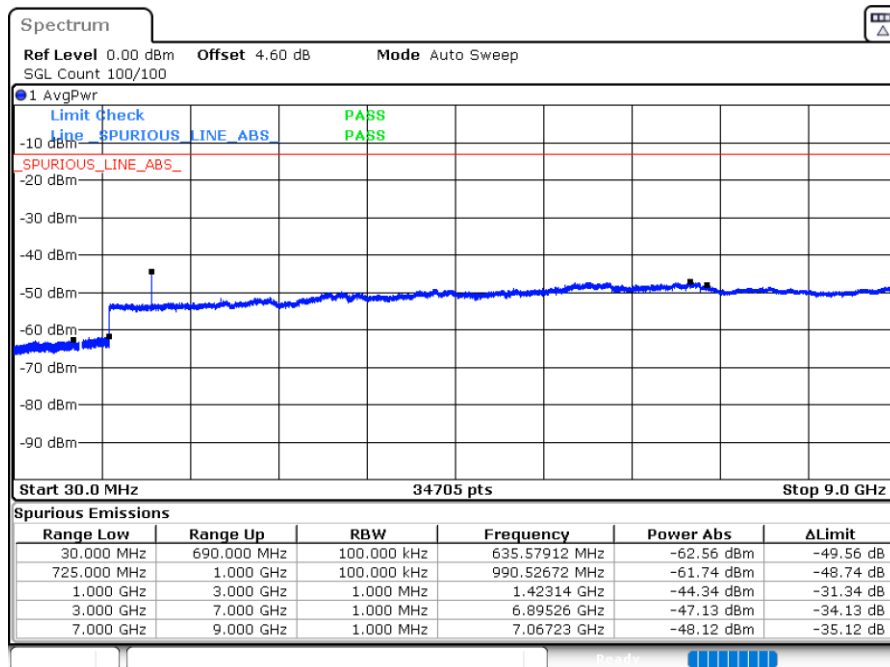
Date: 23.JUN.2025 09:59:19

Middle Channel / QPSK



Date: 23.JUN.2025 10:05:16

Highest Channel / QPSK

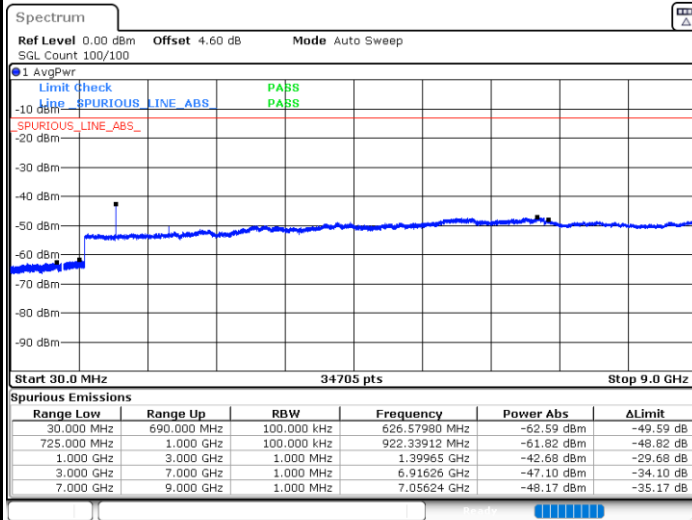


Date: 23.JUN.2025 10:06:32

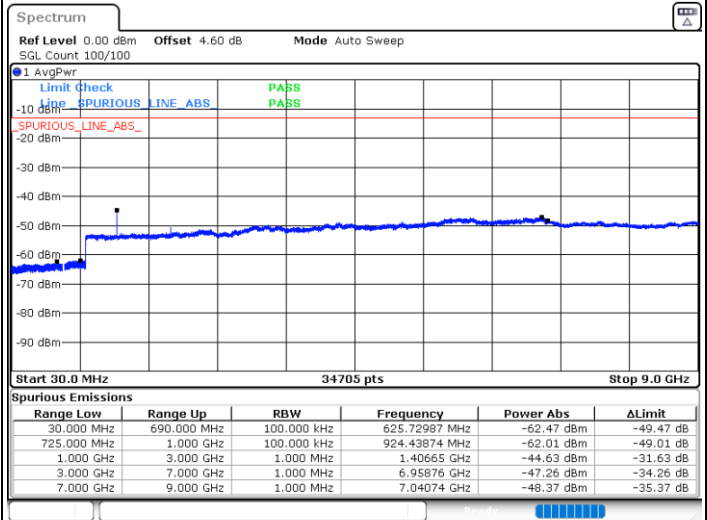


LTE Band 12 / 10MHz

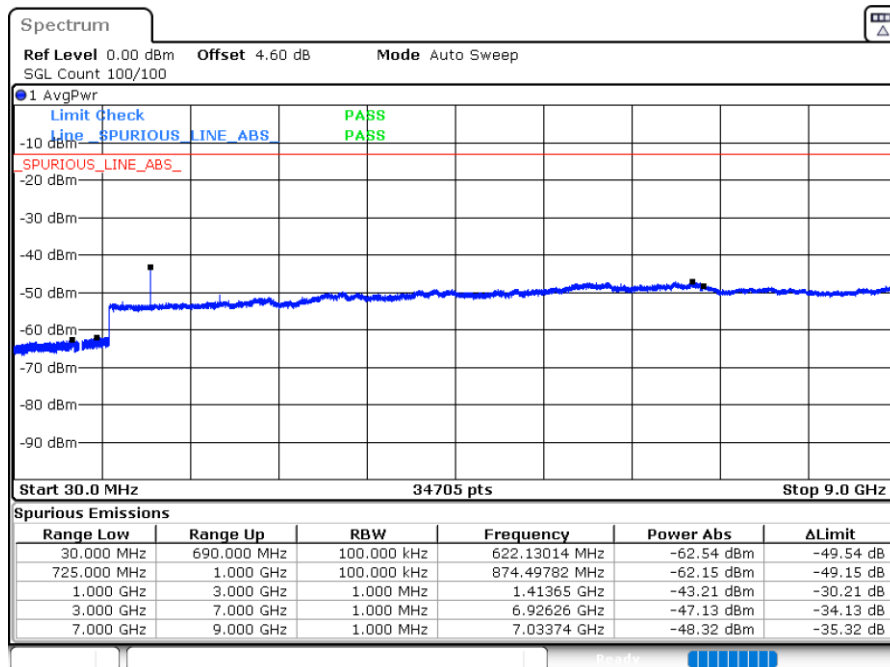
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK



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	0.0028	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0037	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0038	
20	Normal Voltage	0.0019	
20	Minimum Voltage	0.0030	

Note:

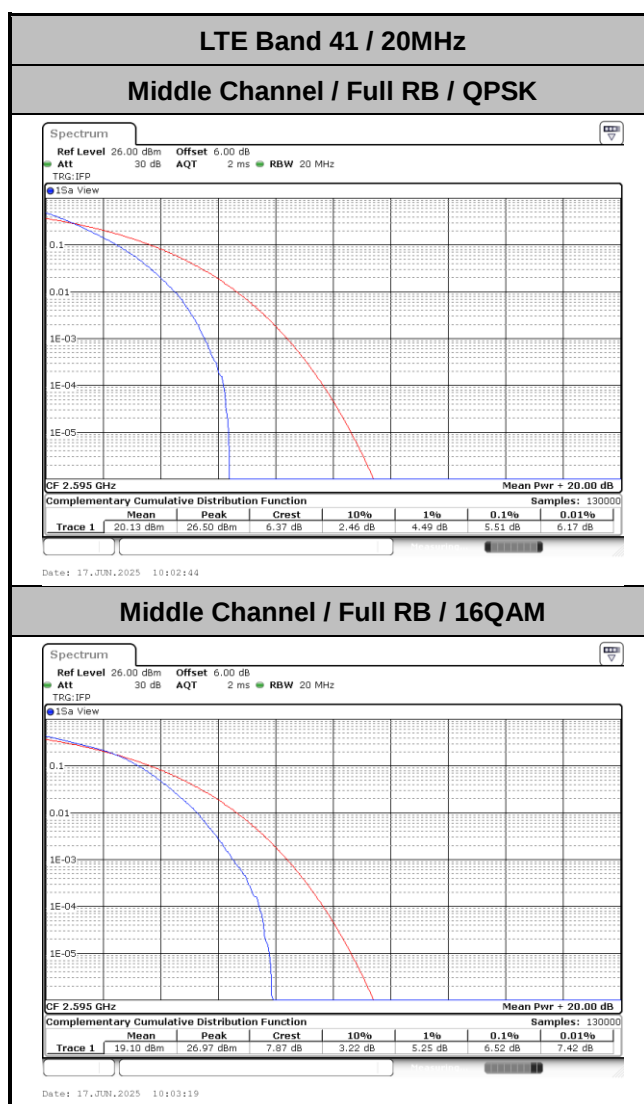
1. Normal Voltage =8.4 V.; Minimum Voltage =9 V.; Maximum Voltage =9.6 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

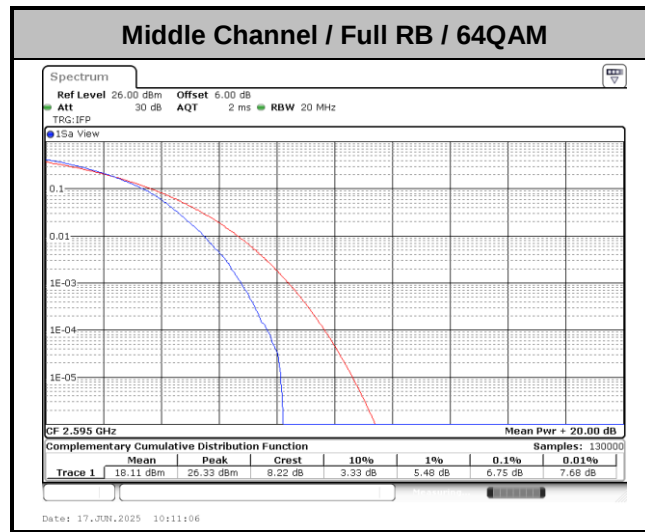


LTE Band 41

Peak-to-Average Ratio

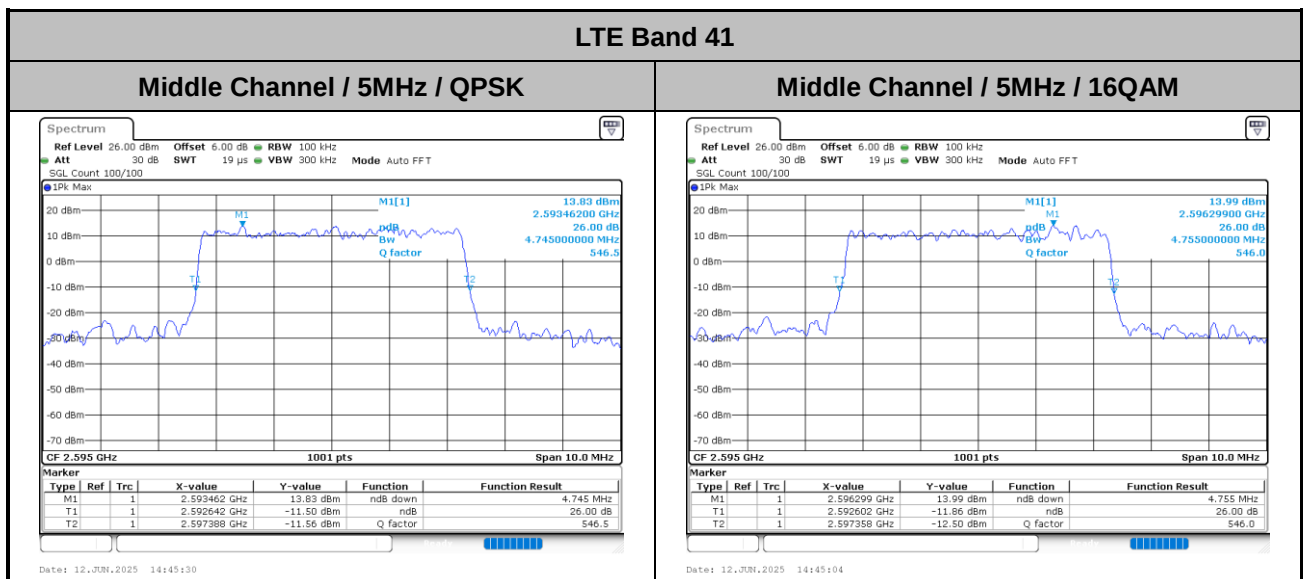
Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.51	6.52	6.75	PASS





**26dB Bandwidth**

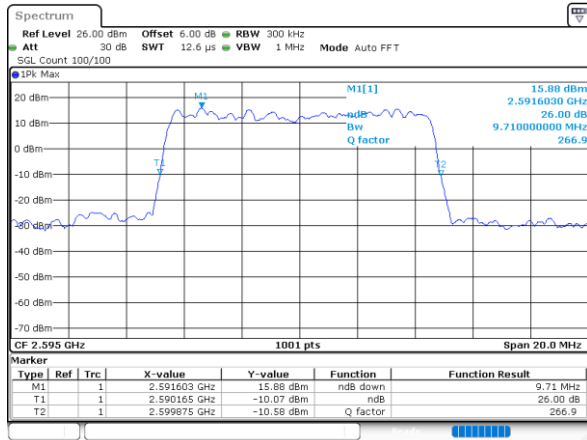
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.75	4.76
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.71	9.81
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.36	14.45
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.61	18.70





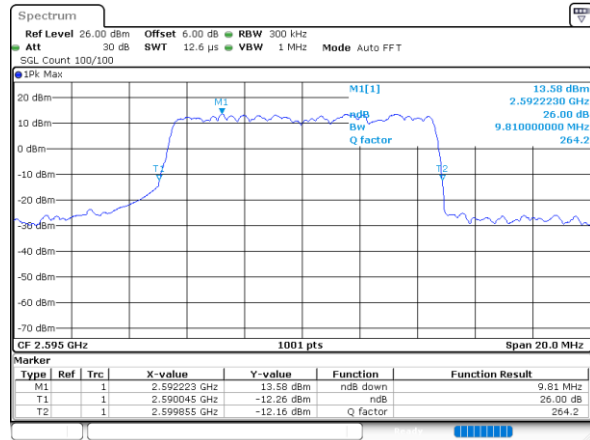
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 12 JUN 2025 14:41:21

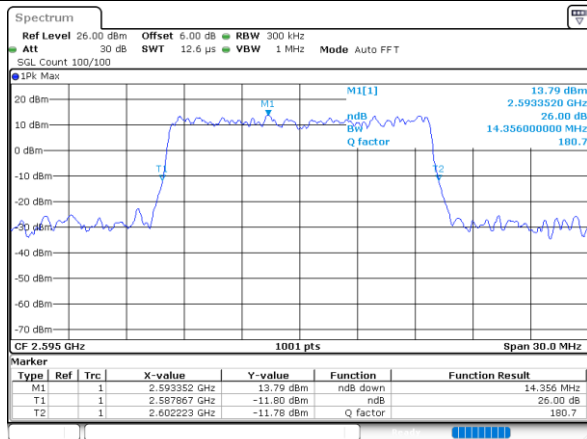
Middle Channel / 10MHz / 16QAM



Date: 12 JUN 2025 14:41:48

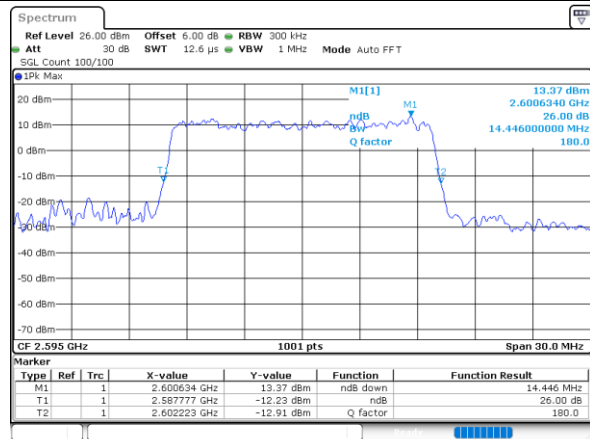
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 12 JUN 2025 14:38:06

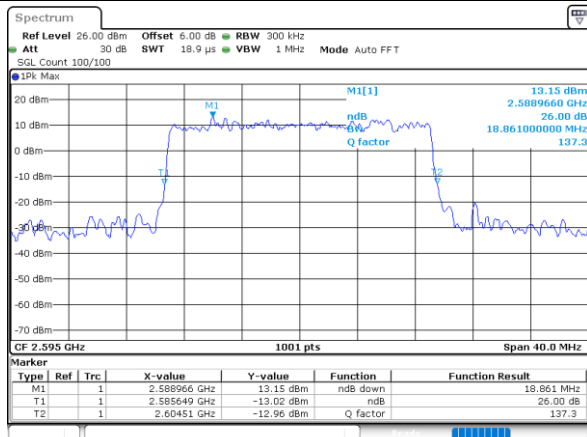
Middle Channel / 15MHz / 16QAM



Date: 12 JUN 2025 14:37:39

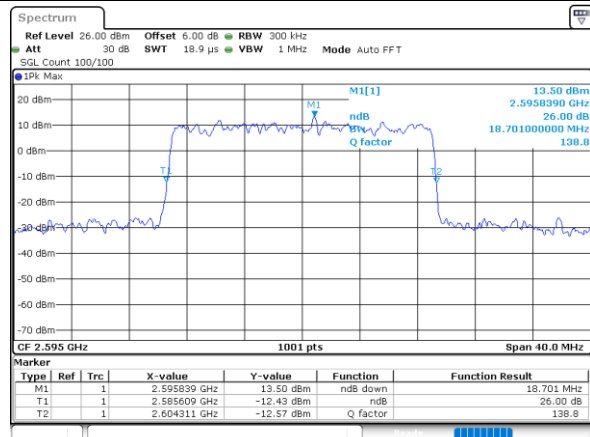
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 12 JUN 2025 14:35:01

Middle Channel / 20MHz / 16QAM

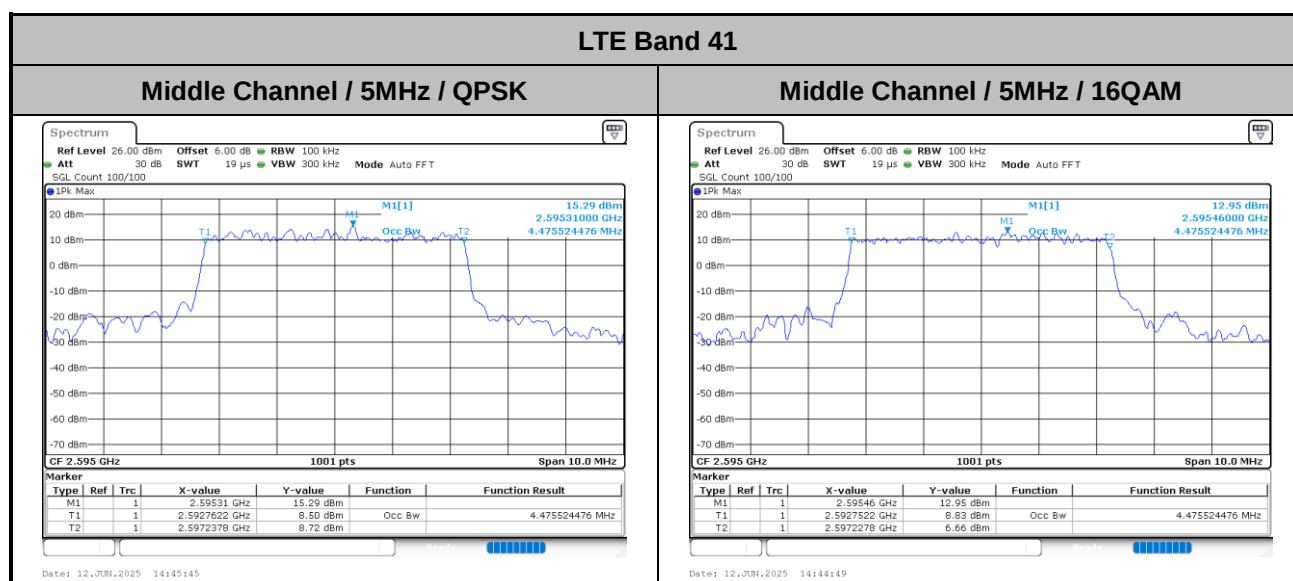


Date: 12 JUN 2025 14:35:28



Occupied Bandwidth

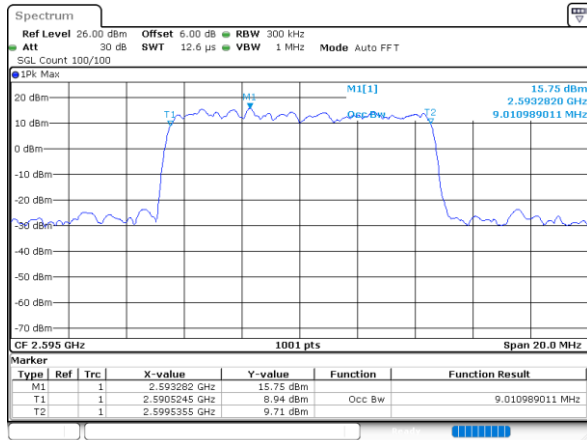
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.48	4.48
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	9.05
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.49	13.52
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.90



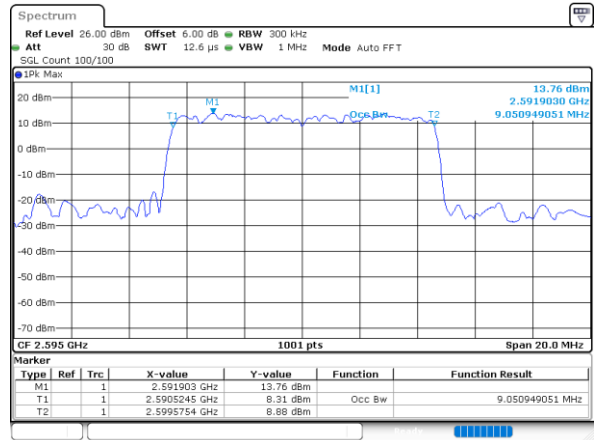


LTE Band 41

Middle Channel / 10MHz / QPSK

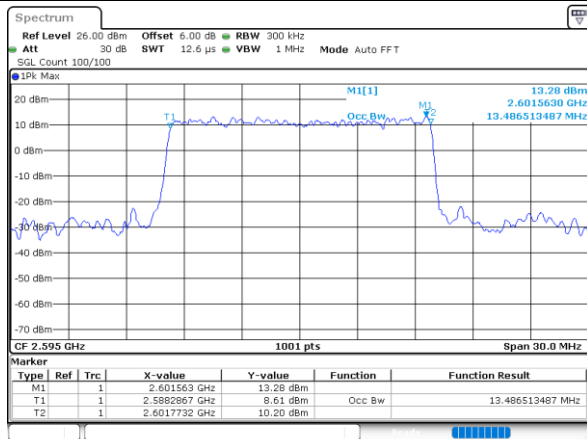


Middle Channel / 10MHz / 16QAM

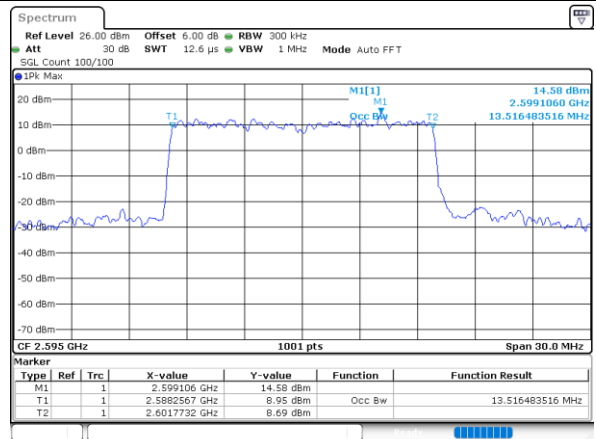


LTE Band 41

Middle Channel / 15MHz / QPSK

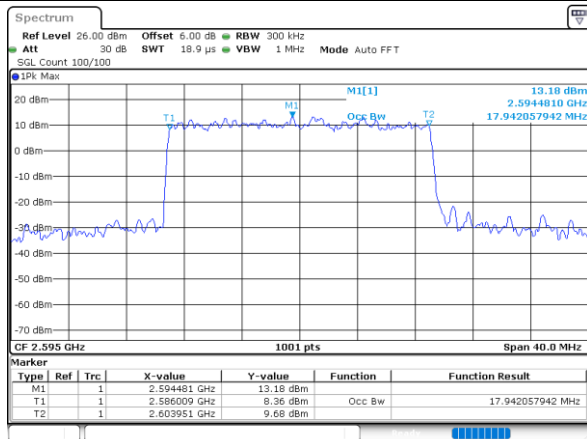


Middle Channel / 15MHz / 16QAM

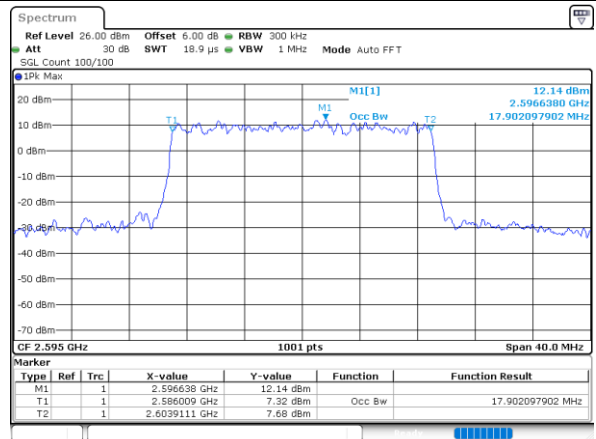


LTE Band 41

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

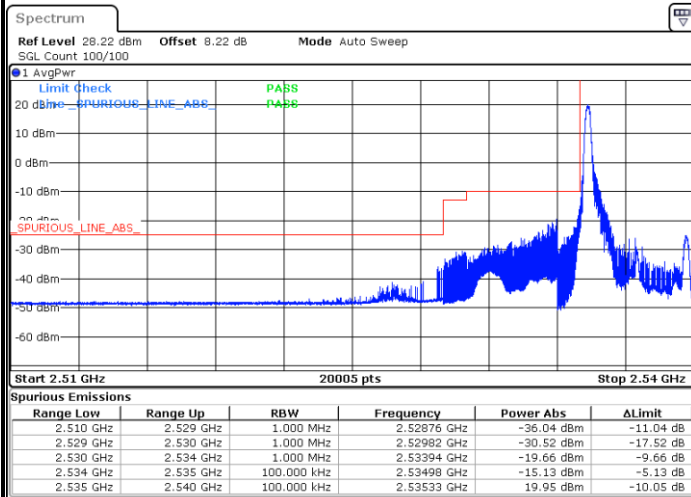




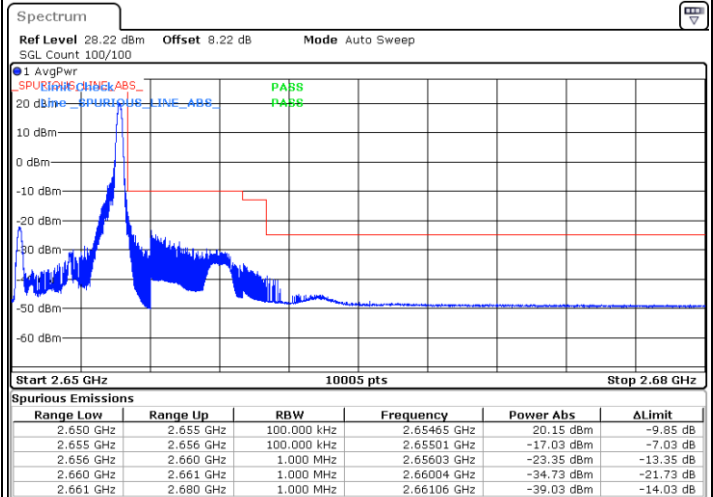
Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

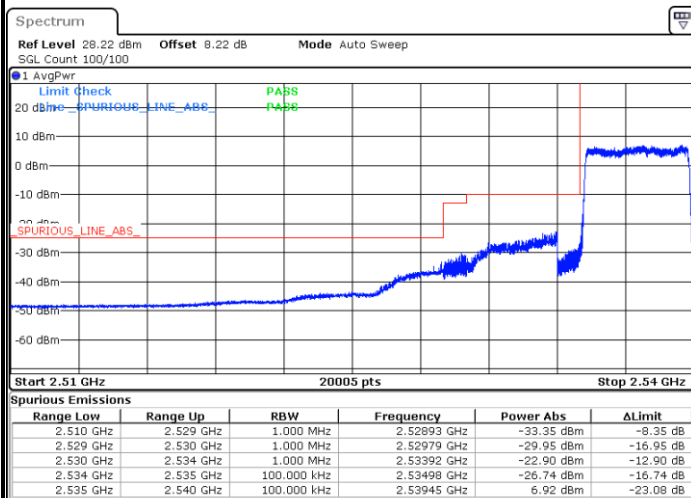
Lowest Band Edge / 1 RB



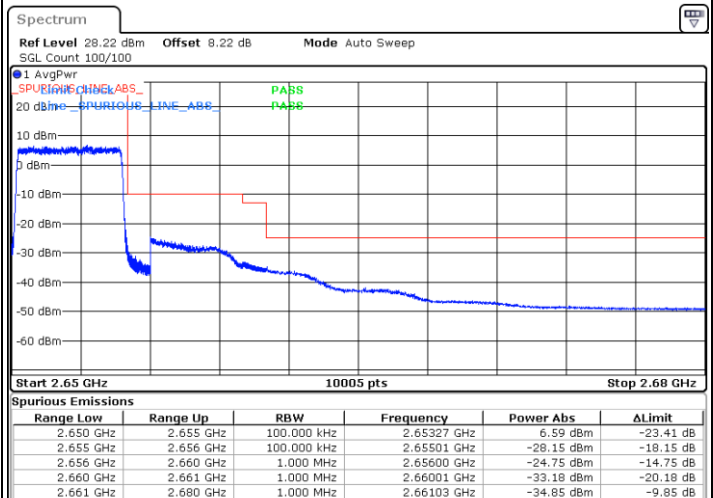
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



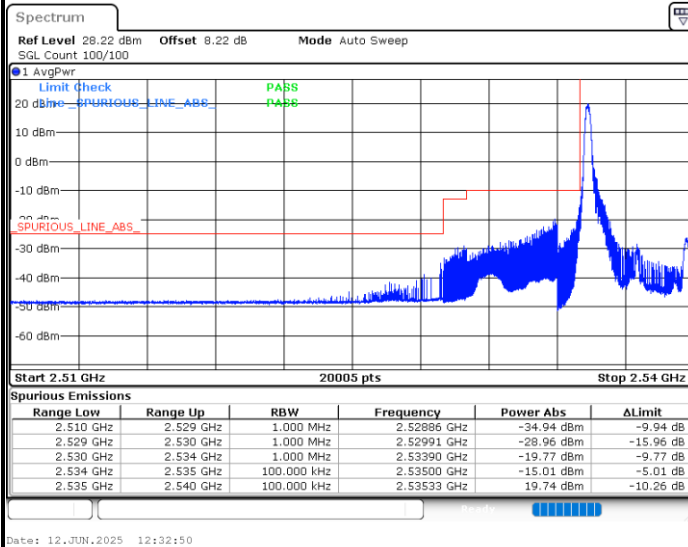
Highest Band Edge / Full RB



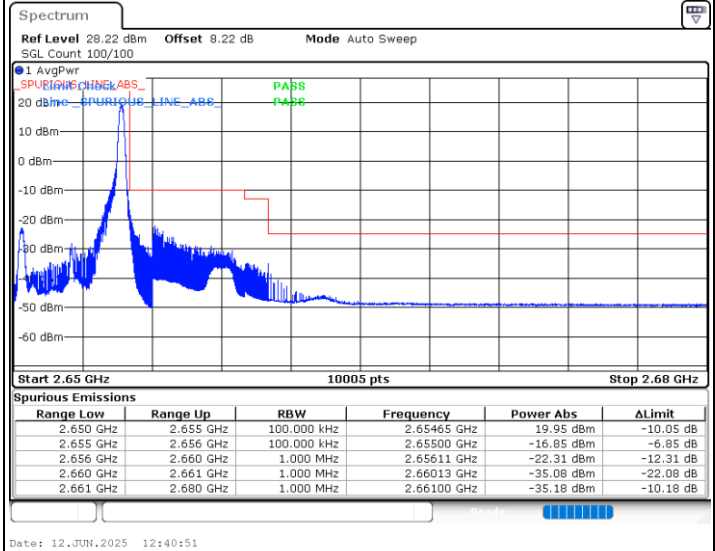


LTE Band 41 / 5MHz / 16QAM

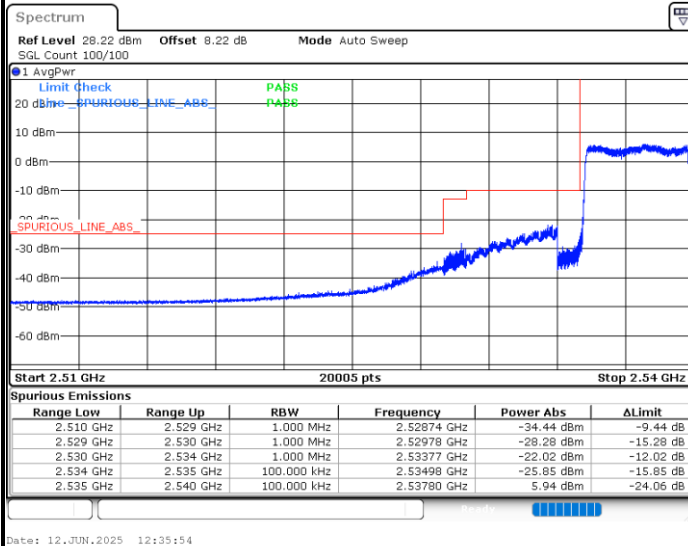
Lowest Band Edge / 1RB



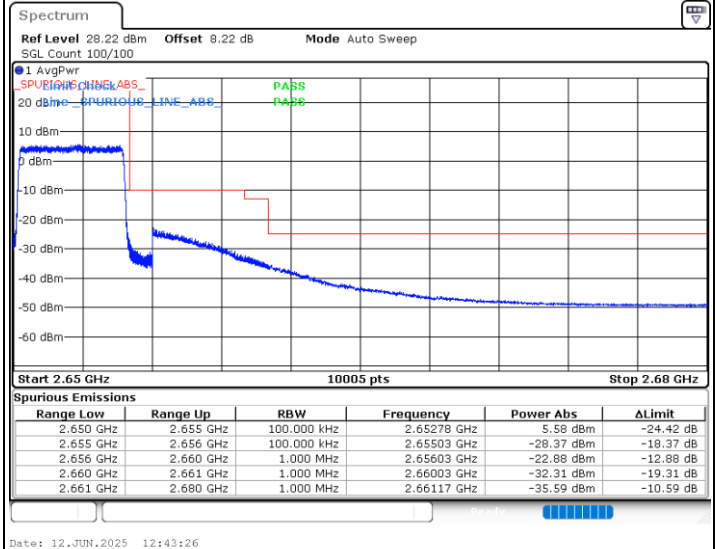
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



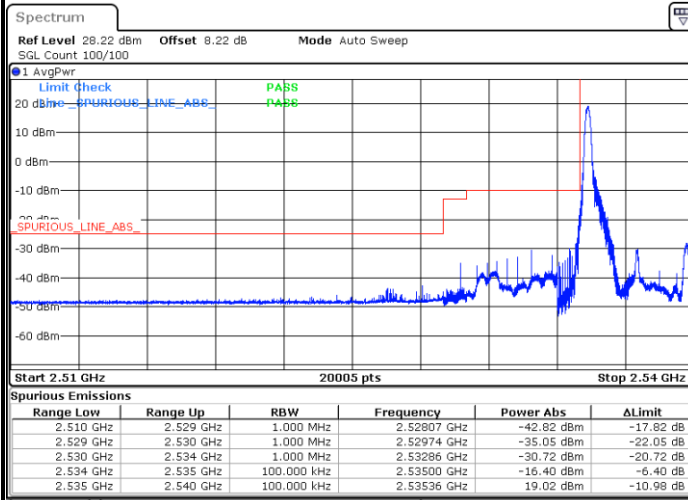
Highest Band Edge / Full RB



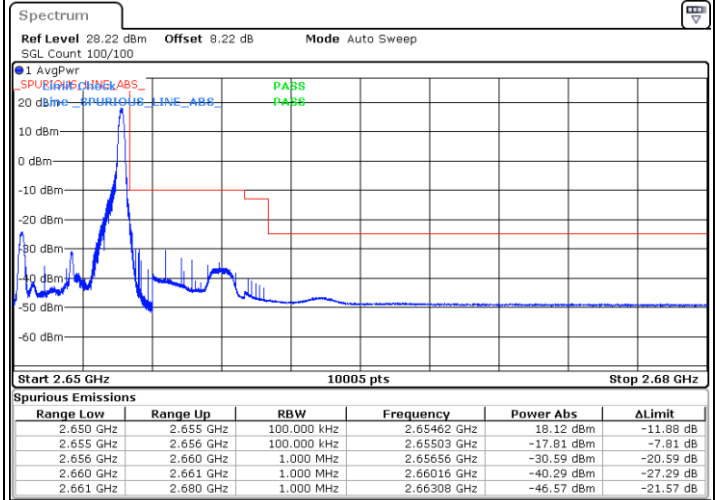


LTE Band 41 / 5MHz / 64QAM

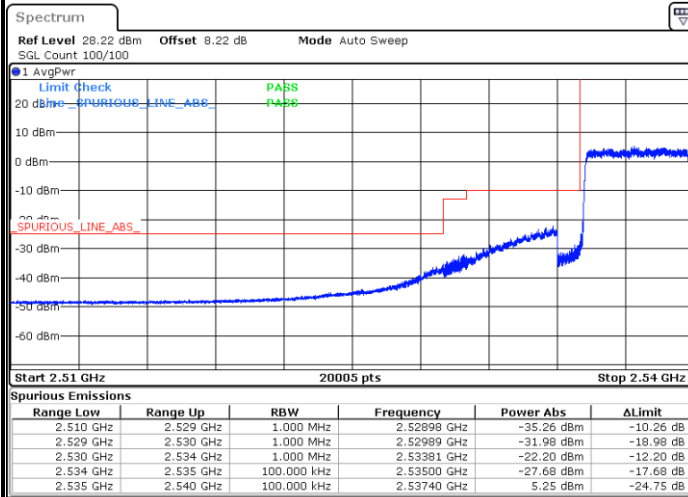
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

