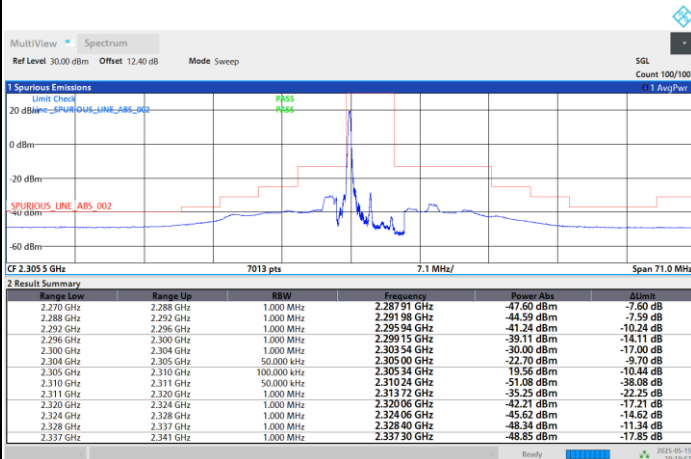




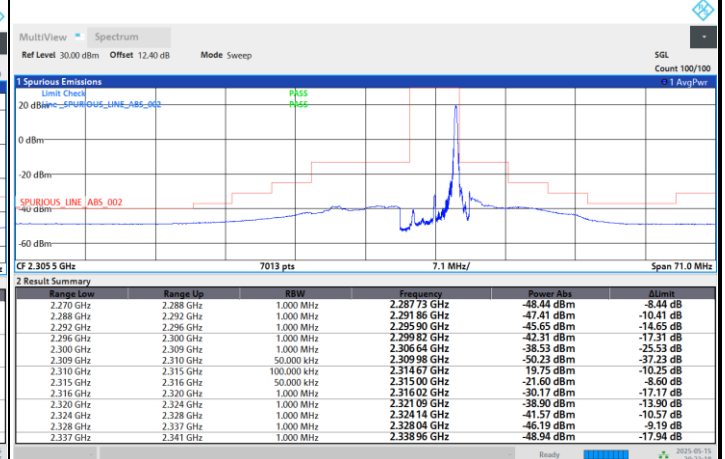
LTE Band 30 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



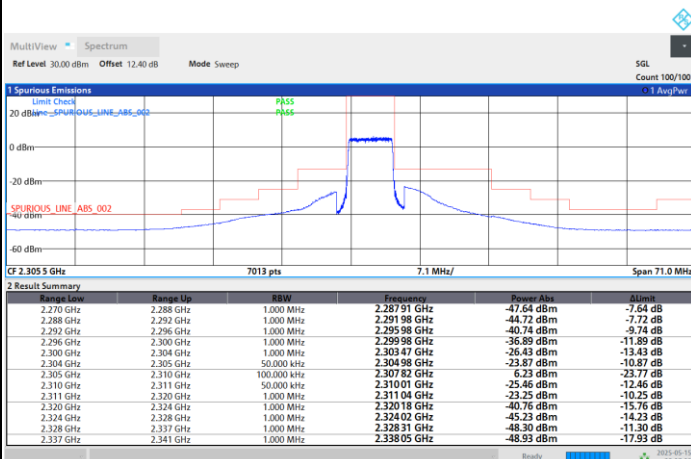
08:10:58 PM 05/15/2025



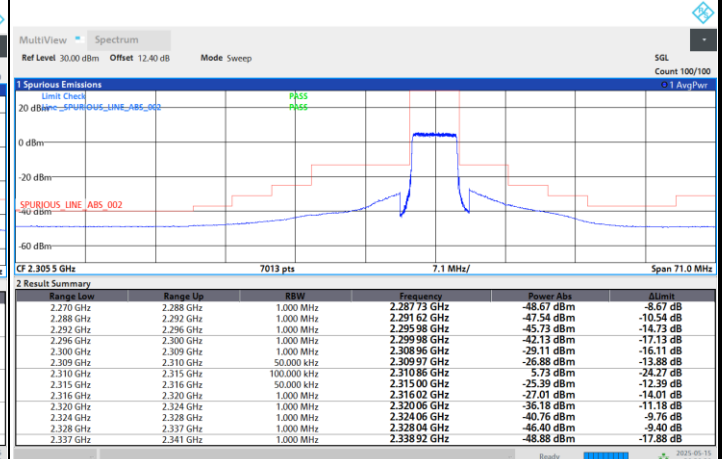
08:10:19 PM 05/15/2025

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



08:17:14 PM 05/15/2025

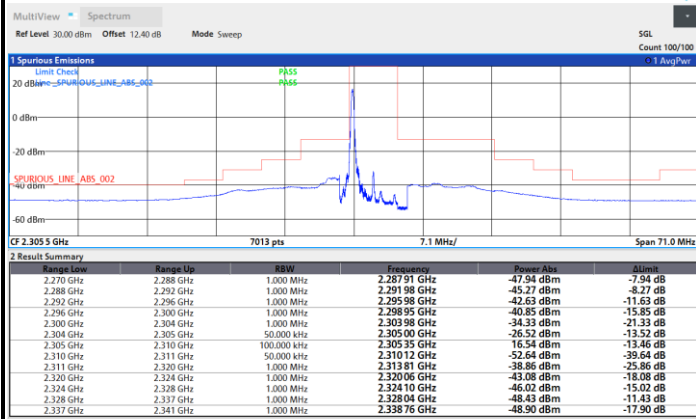


08:29:40 PM 05/15/2025



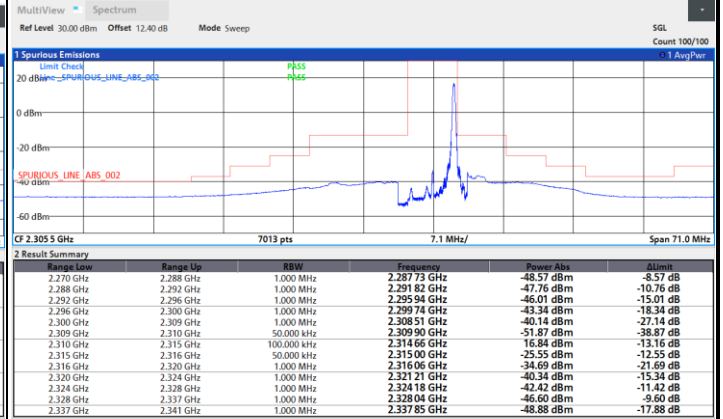
LTE Band 30 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



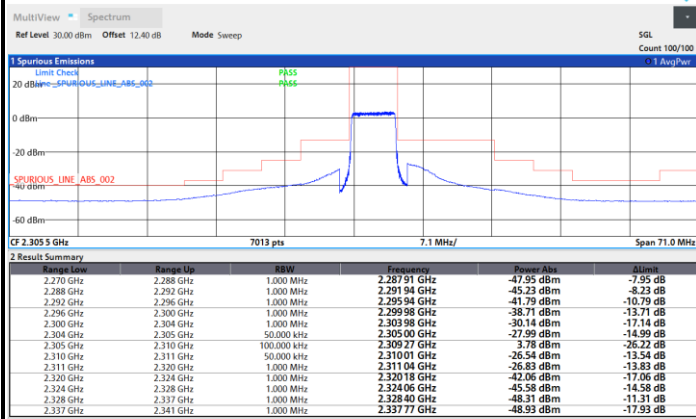
08:12:33 PM 05/15/2025

Highest Band Edge / 1 RB



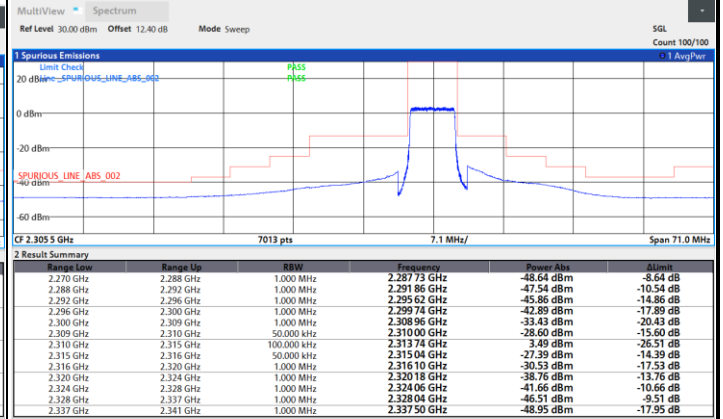
08:25:02 PM 05/15/2025

Lowest Band Edge / Full RB



08:10:46 PM 05/15/2025

Highest Band Edge / Full RB

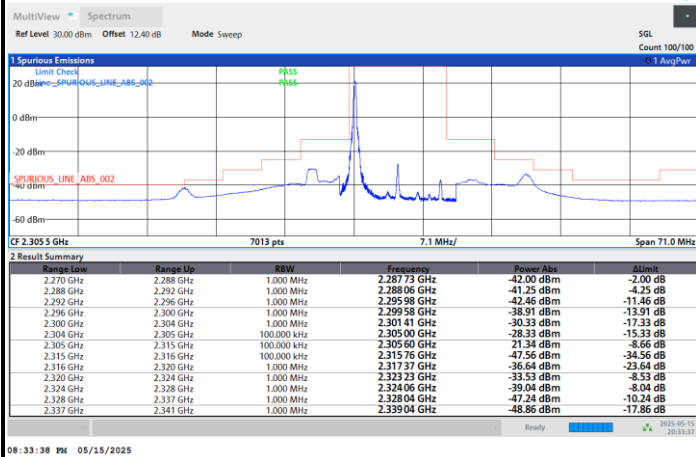


08:31:16 PM 05/15/2025

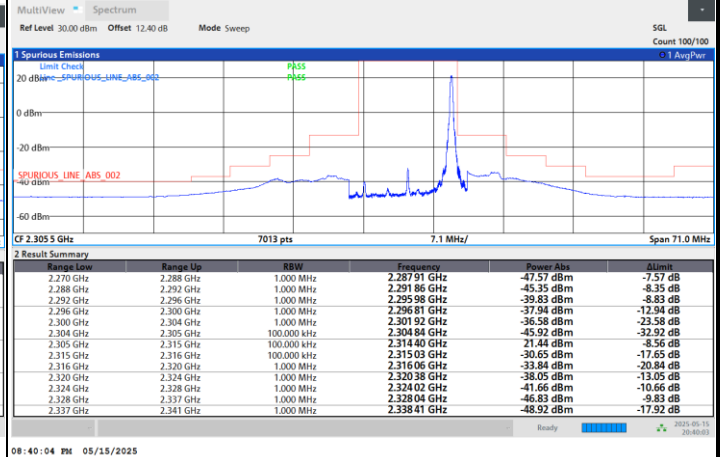


LTE Band 30 / 10MHz / QPSK

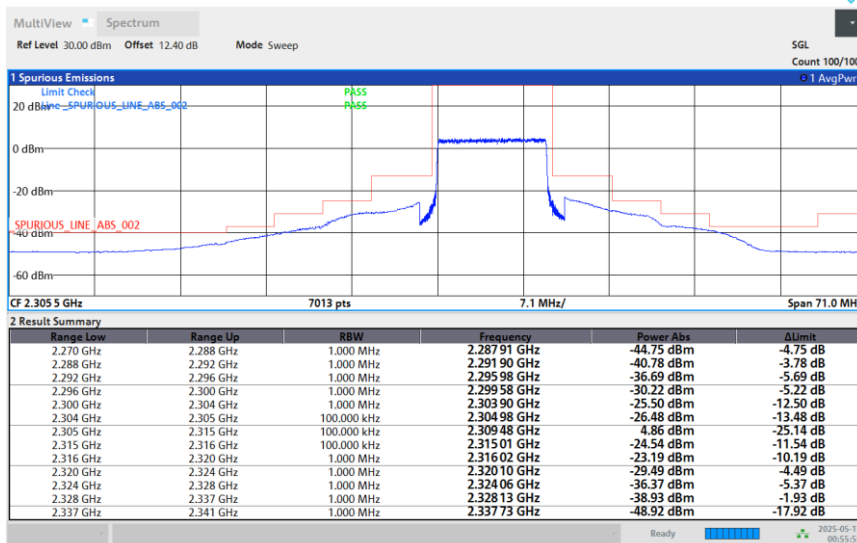
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



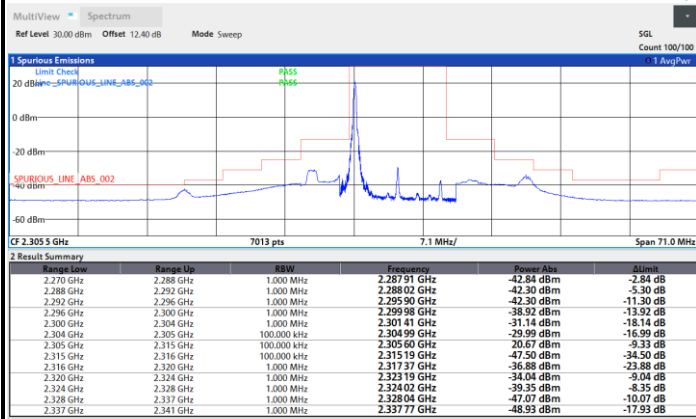
Band Edge / Full RB



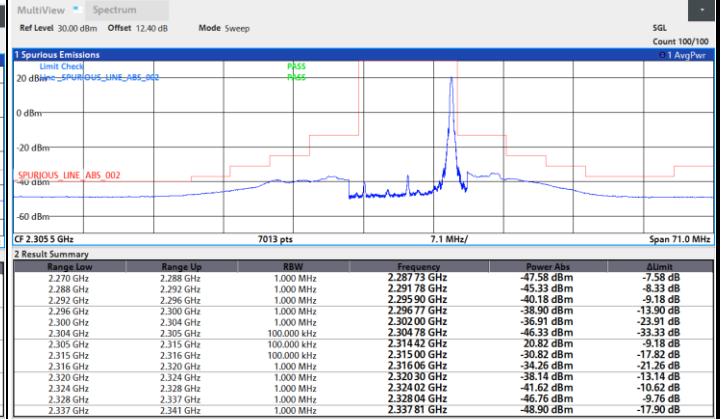


LTE Band 30 / 10MHz / 16QAM

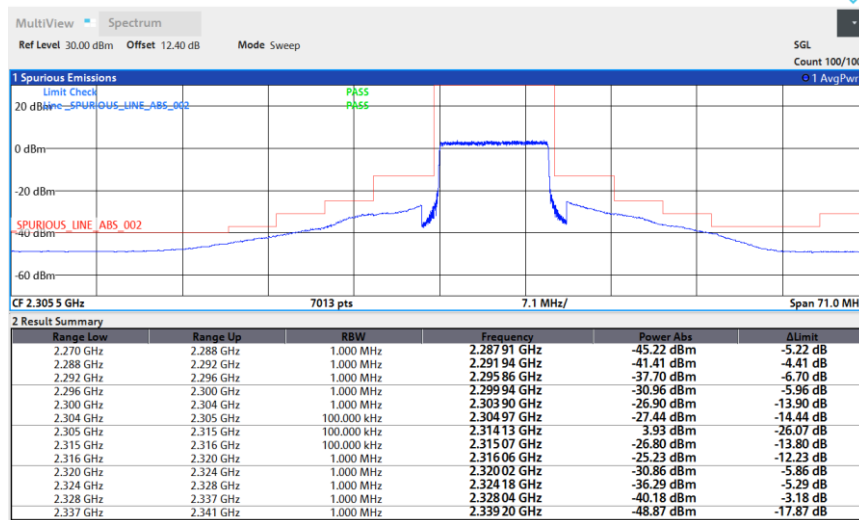
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



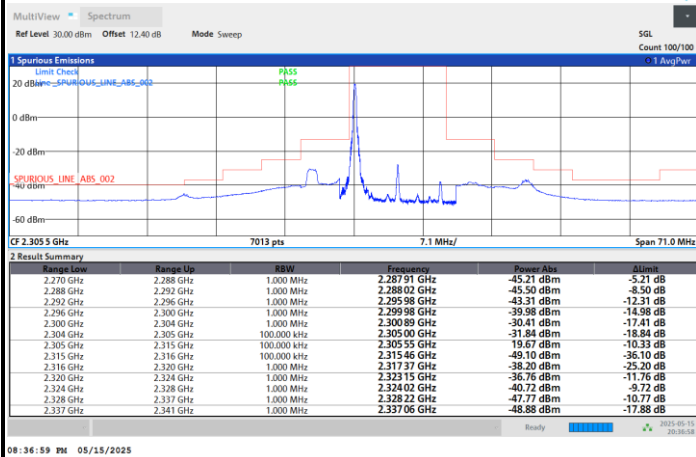
Band Edge / Full RB



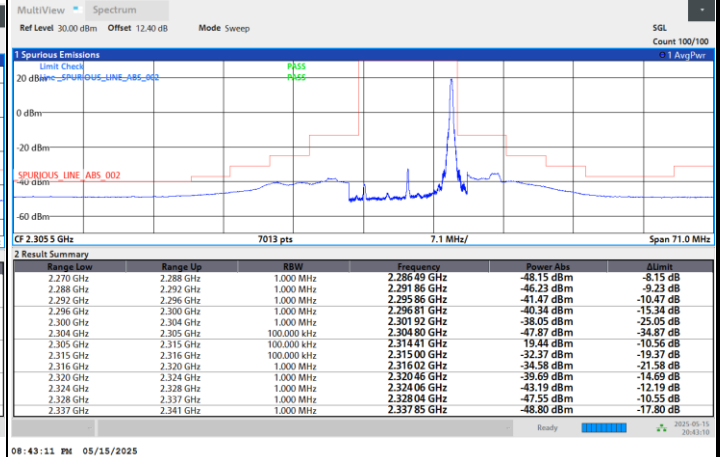


LTE Band 30 / 10MHz / 64QAM

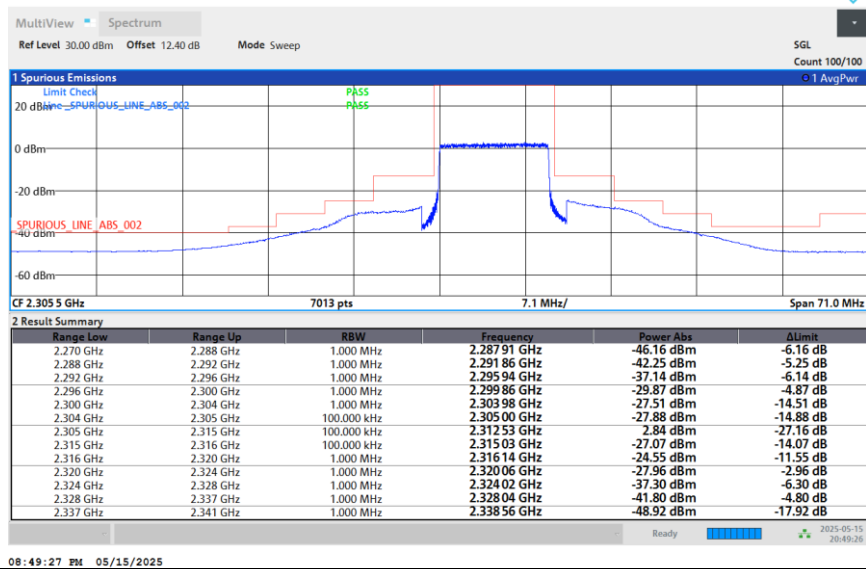
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



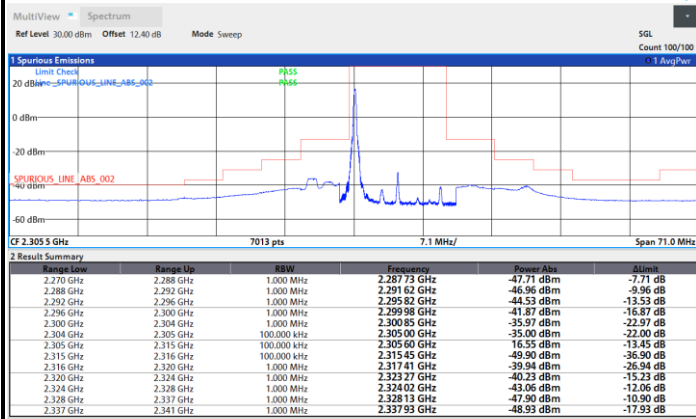
Band Edge / Full RB



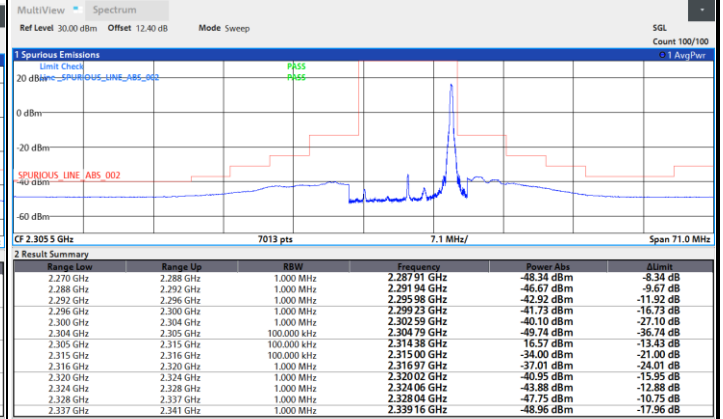


LTE Band 30 / 10MHz / 256QAM

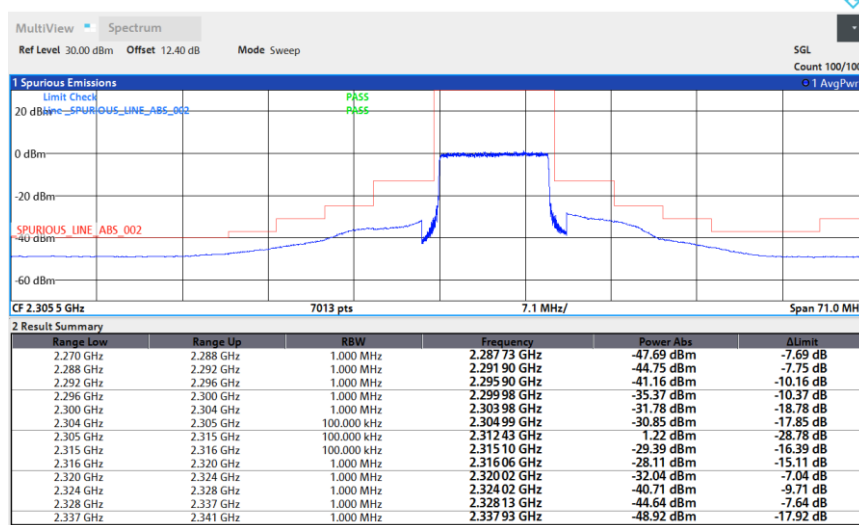
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Band Edge / Full RB

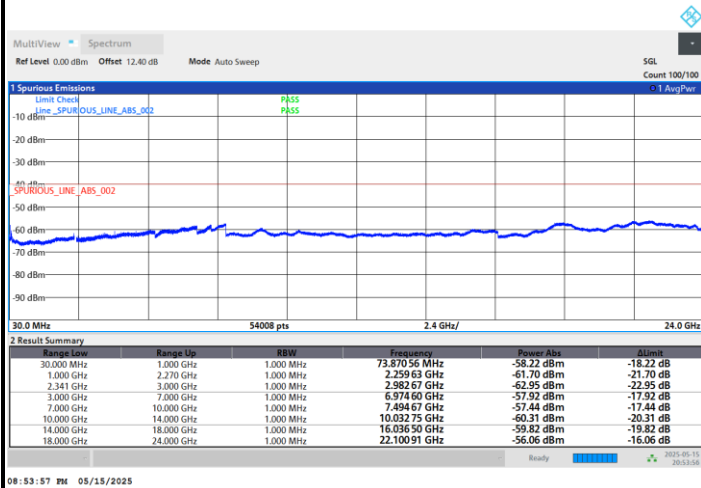




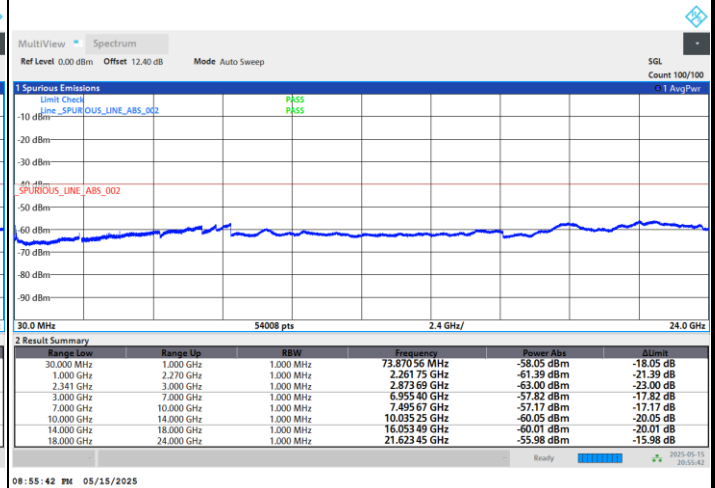
Conducted Spurious Emission

LTE Band 30 / 5MHz

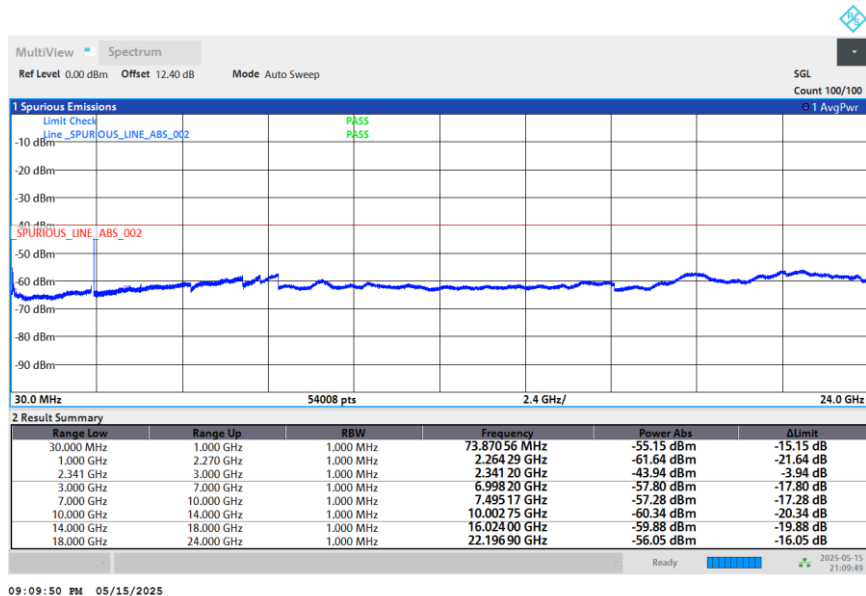
Lowest Channel / QPSK



Middle Channel / QPSK



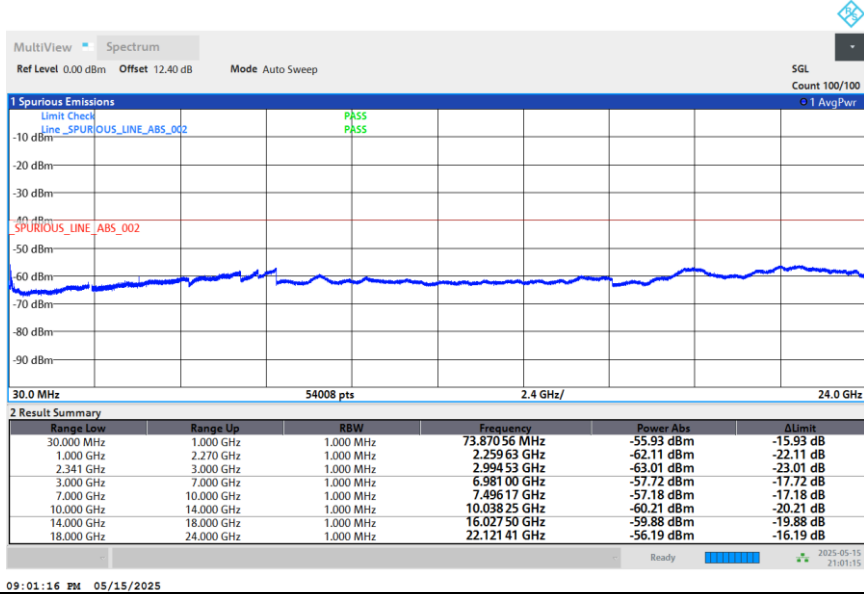
Highest Channel / QPSK





LTE Band 30 / 10MHz

Middle Channel / QPSK



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	0.0015	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0046	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0011	

Note:

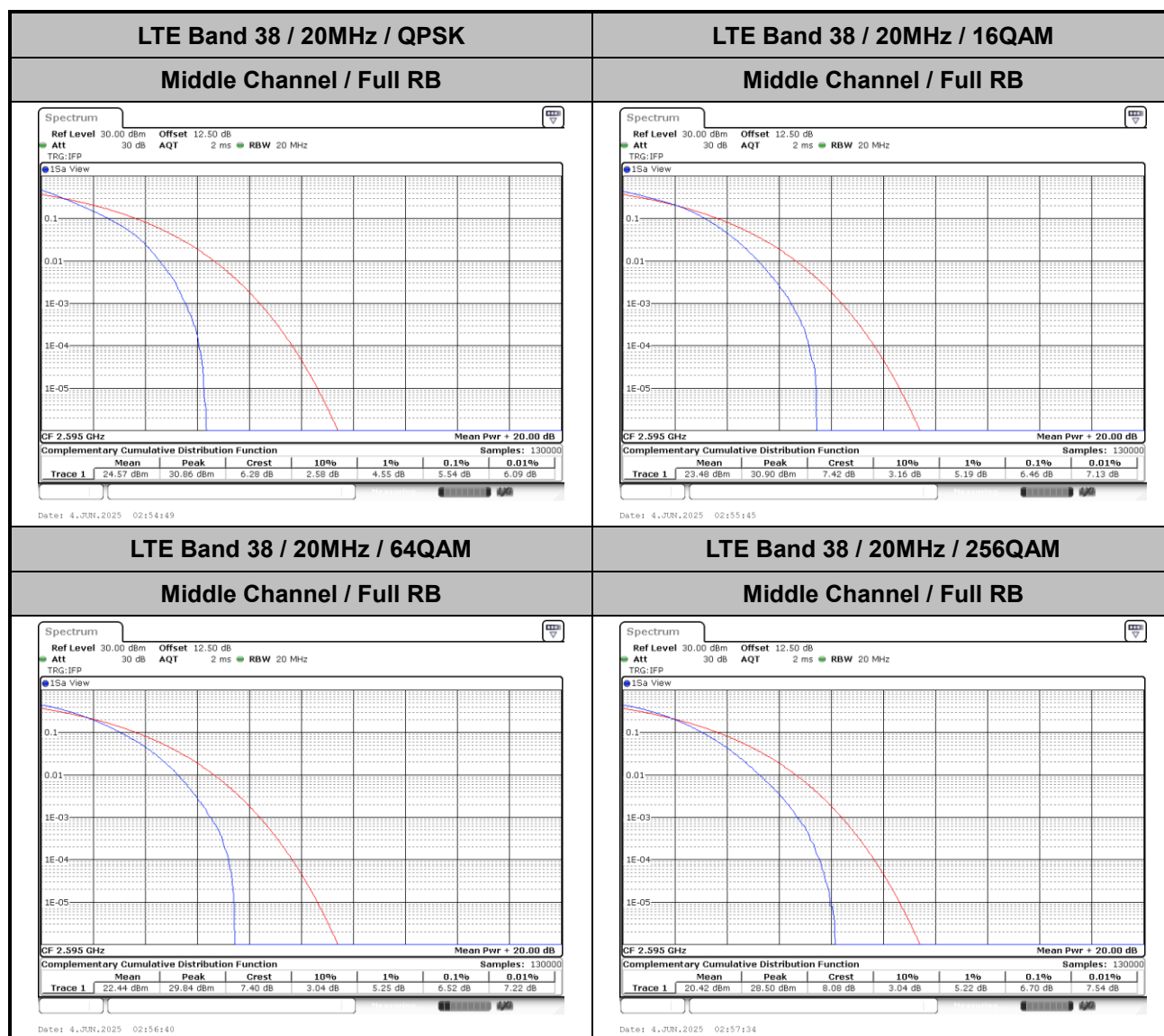
1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 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	5.54	6.46	6.52	6.70	PASS



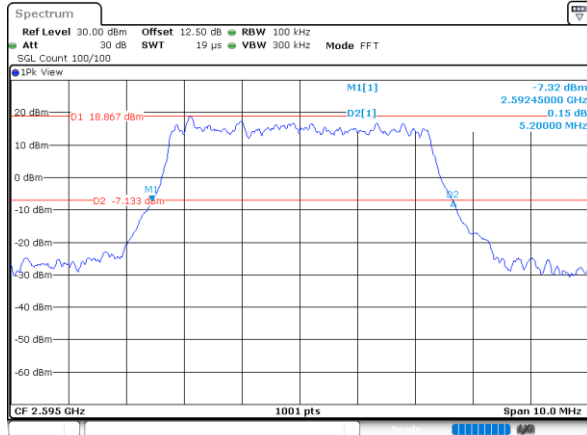
**26dB Bandwidth**

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	-	-	-	-	5.20	4.83	9.84	9.72	14.58	15.15	19.32	18.72
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	-	-	-	-	4.84	5.08	10.40	9.86	14.19	14.19	18.76	18.72



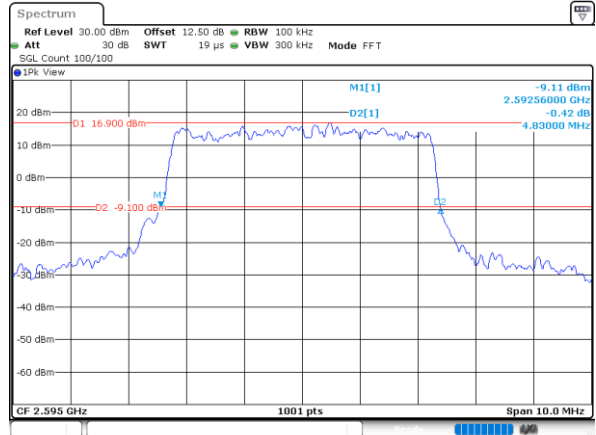
LTE Band 38

Middle Channel / 5MHz / QPSK



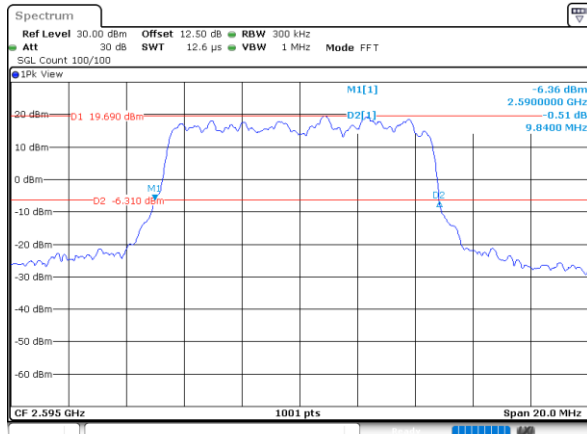
Date: 4.JUN.2025 02:37:40

Middle Channel / 5MHz / 16QAM



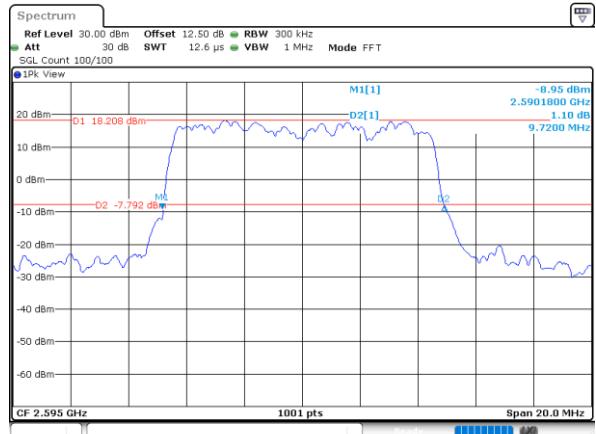
Date: 4.JUN.2025 02:39:08

Middle Channel / 10MHz / QPSK



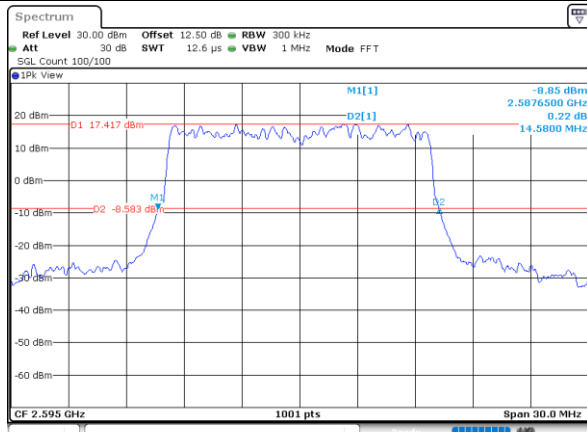
Date: 4.JUN.2025 14:29:39

Middle Channel / 10MHz / 16QAM



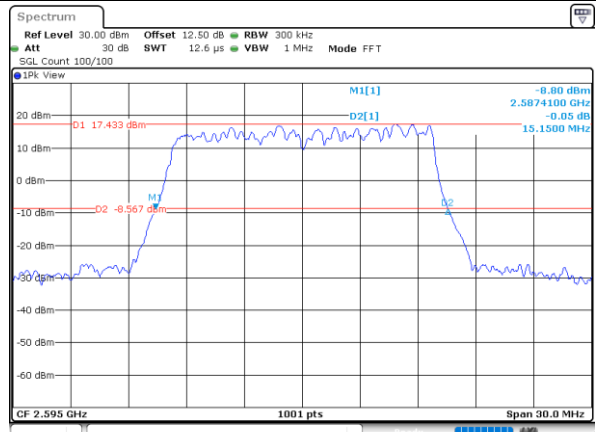
Date: 4.JUN.2025 14:41:36

Middle Channel / 15MHz / QPSK



Date: 4.JUN.2025 02:45:30

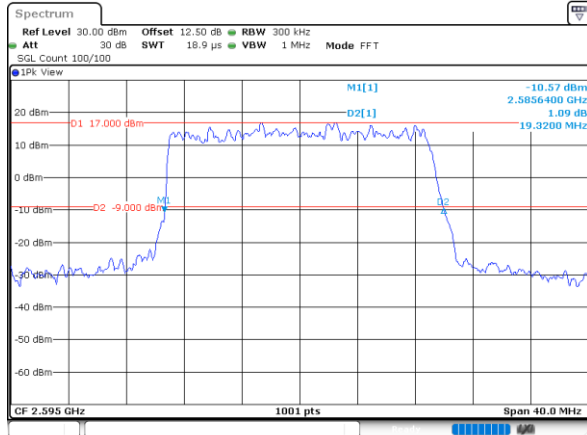
Middle Channel / 15MHz / 16QAM



Date: 4.JUN.2025 14:45:31

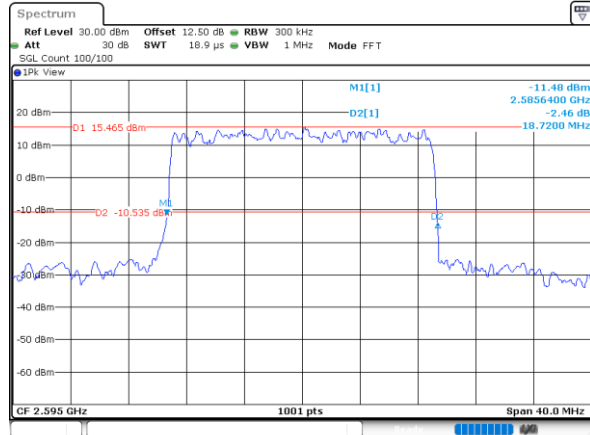
LTE Band 38

Middle Channel / 20MHz / QPSK



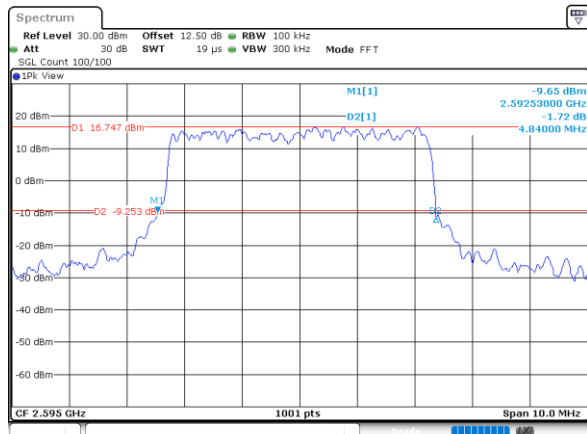
Date: 4.JUN.2025 14:50:43

Middle Channel / 20MHz / 16QAM



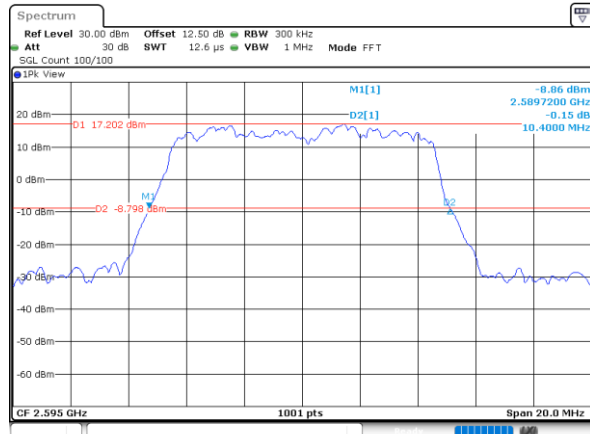
Date: 4.JUN.2025 14:52:32

Middle Channel / 5MHz / 64QAM



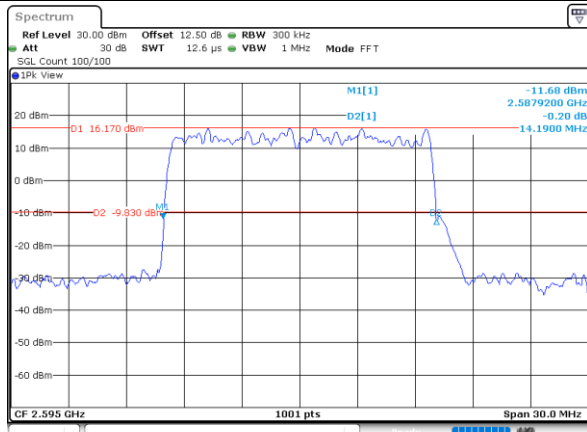
Date: 9.JUN.2025 12:04:11

Middle Channel / 10MHz / 64QAM



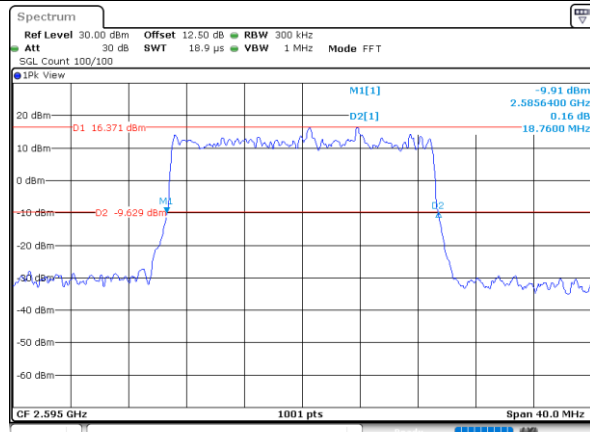
Date: 4.JUN.2025 02:43:34

Middle Channel / 15MHz / 64QAM



Date: 4.JUN.2025 14:47:07

Middle Channel / 20MHz / 64QAM

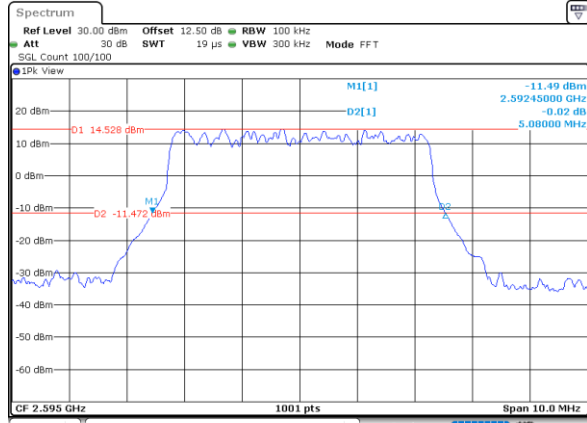


Date: 4.JUN.2025 14:54:16

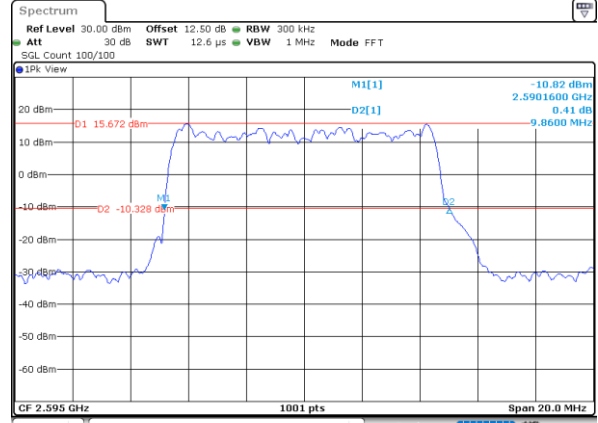


LTE Band 38

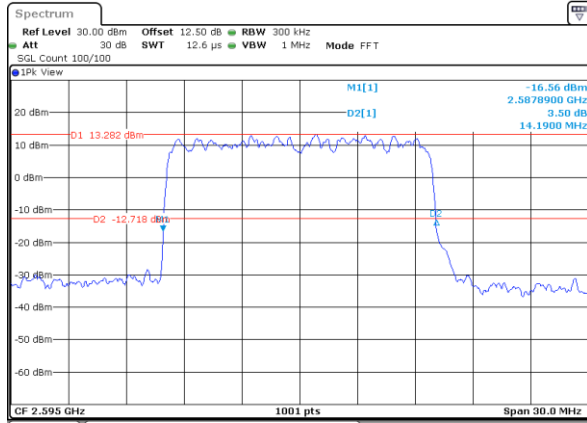
Middle Channel / 5MHz / 256QAM



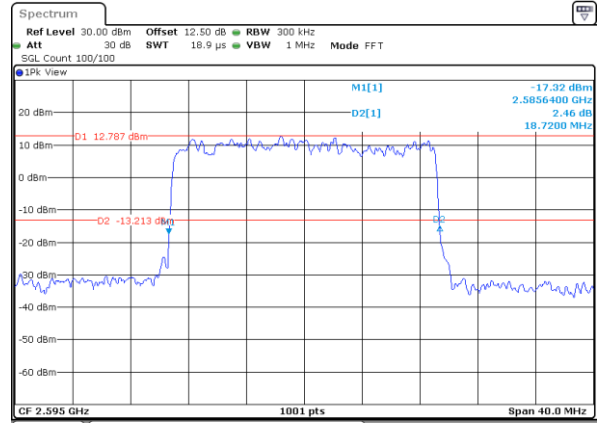
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM



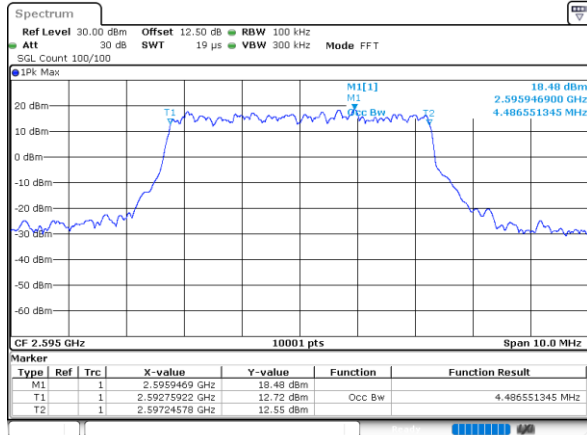
**Occupied Bandwidth**

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	4.48	9.04	8.99	13.48	13.58	17.76	17.94
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	-	-	-	-	4.47	4.45	9.02	9.03	13.45	13.40	17.84	17.74



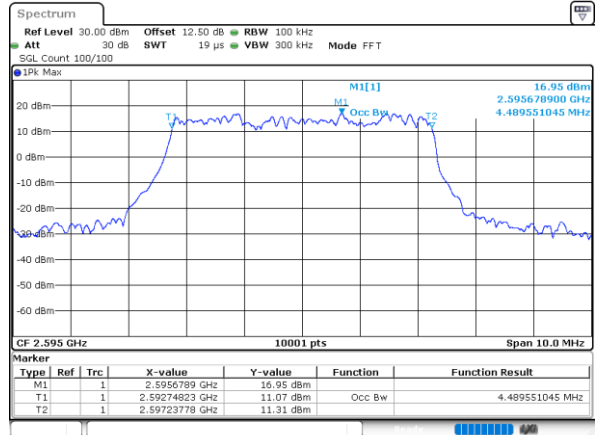
LTE Band 38

Middle Channel / 5MHz / QPSK



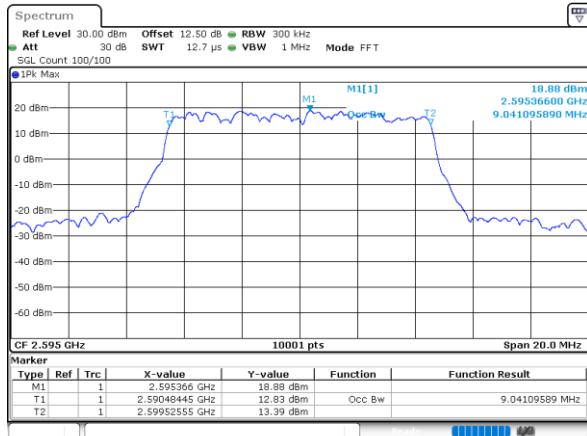
Date: 4.JUN.2025 02:20:41

Middle Channel / 5MHz / 16QAM



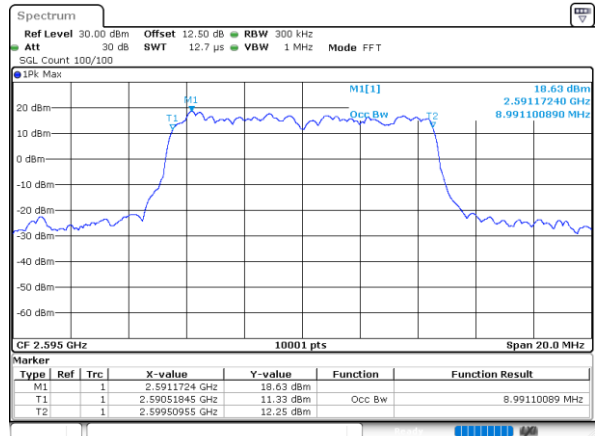
Date: 4.JUN.2025 02:21:37

Middle Channel / 10MHz / QPSK



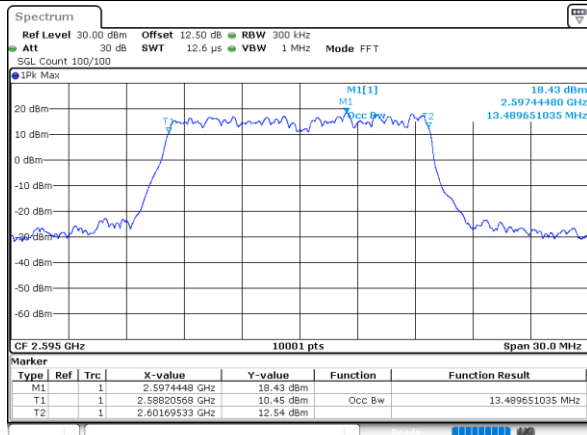
Date: 4.JUN.2025 02:24:39

Middle Channel / 10MHz / 16QAM



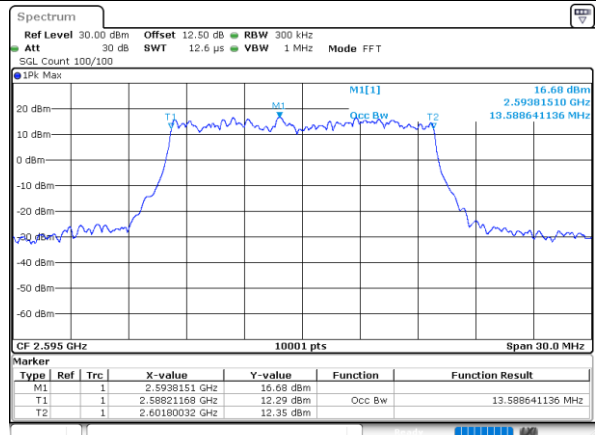
Date: 4.JUN.2025 02:25:35

Middle Channel / 15MHz / QPSK



Date: 4.JUN.2025 02:28:19

Middle Channel / 15MHz / 16QAM

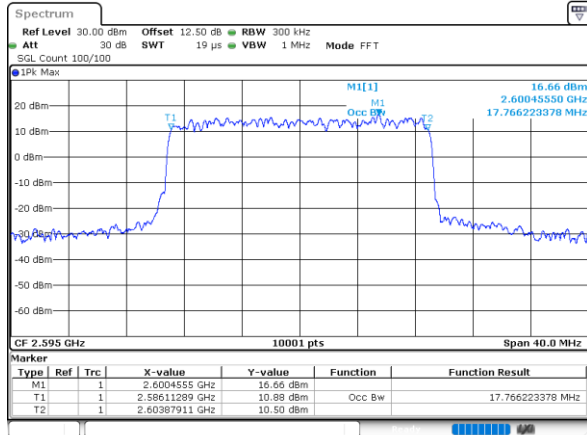


Date: 4.JUN.2025 02:29:31

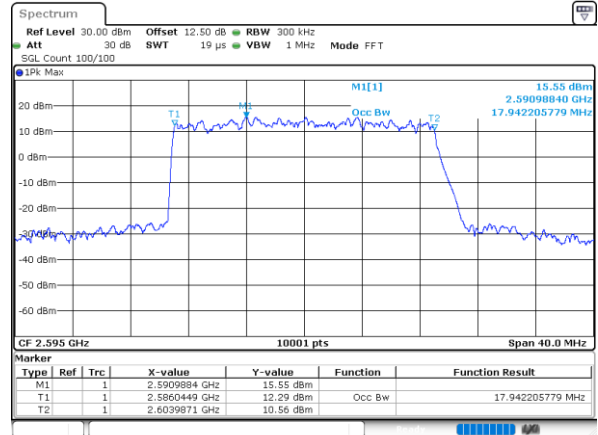


LTE Band 38

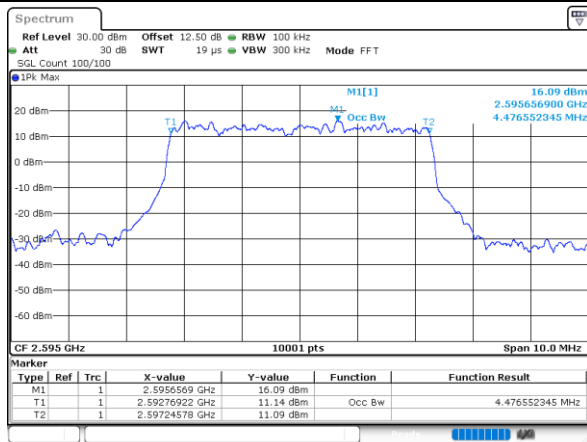
Middle Channel / 20MHz / QPSK



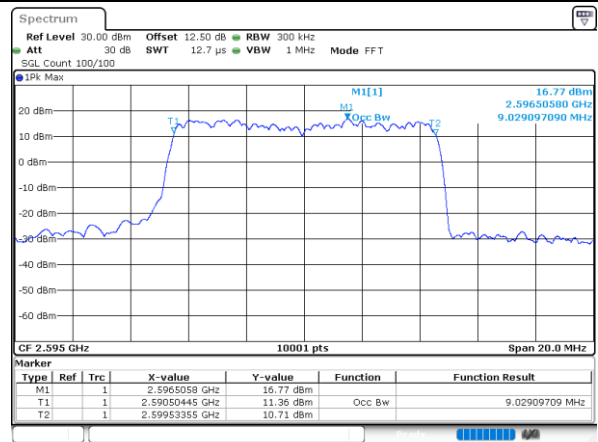
Middle Channel / 20MHz / 16QAM



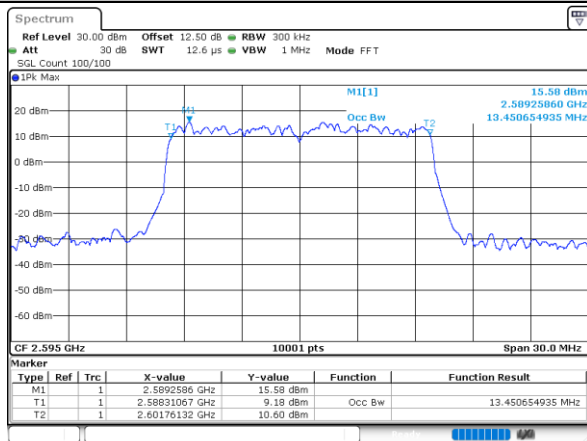
Middle Channel / 5MHz / 64QAM



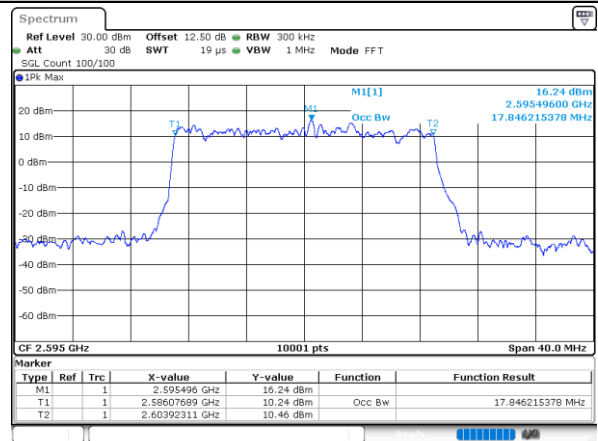
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



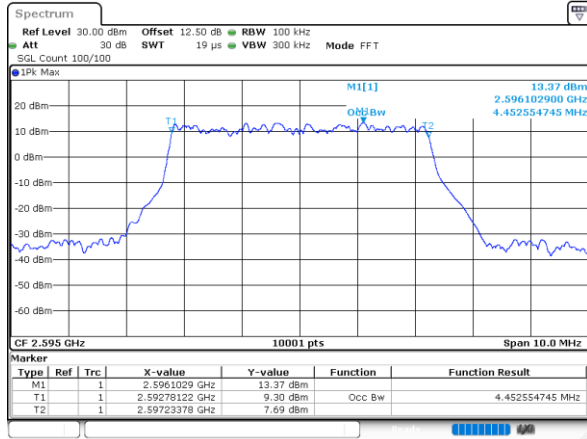
Middle Channel / 20MHz / 64QAM



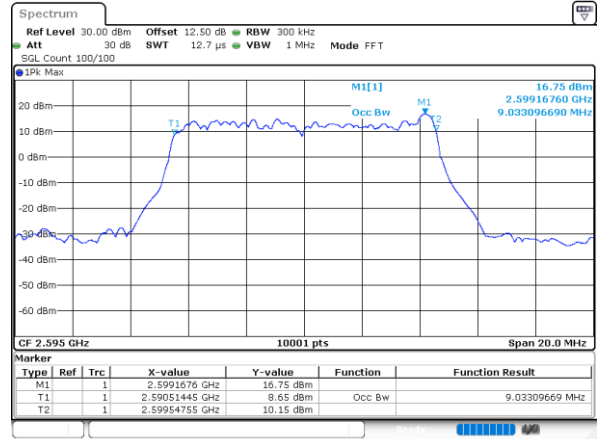


LTE Band 38

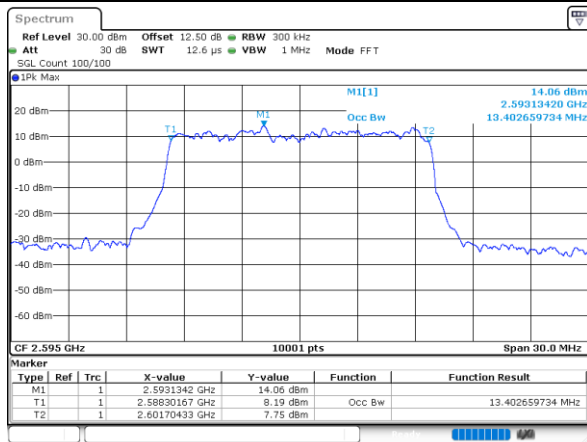
Middle Channel / 5MHz / 256QAM



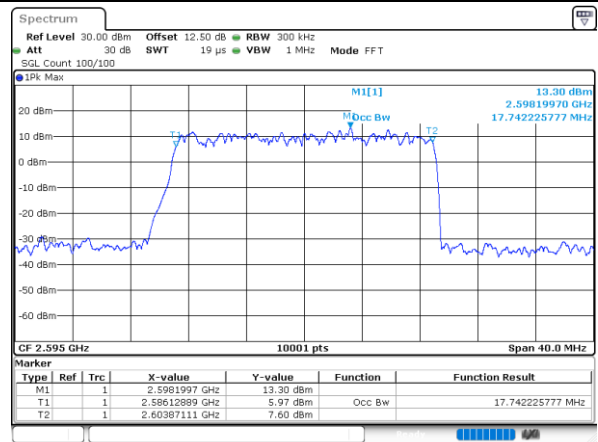
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM

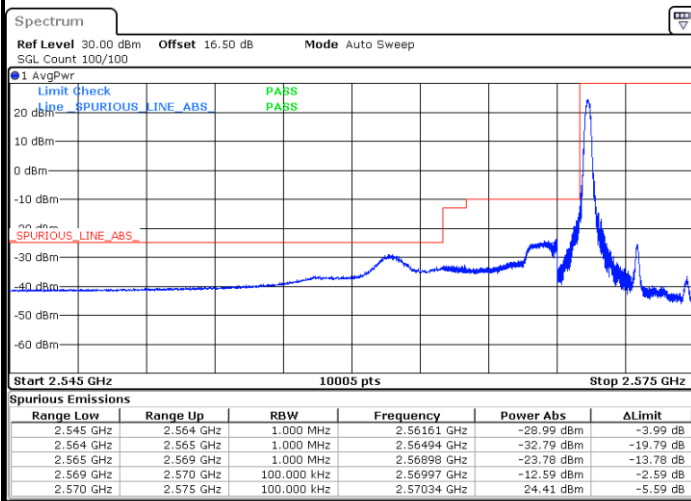




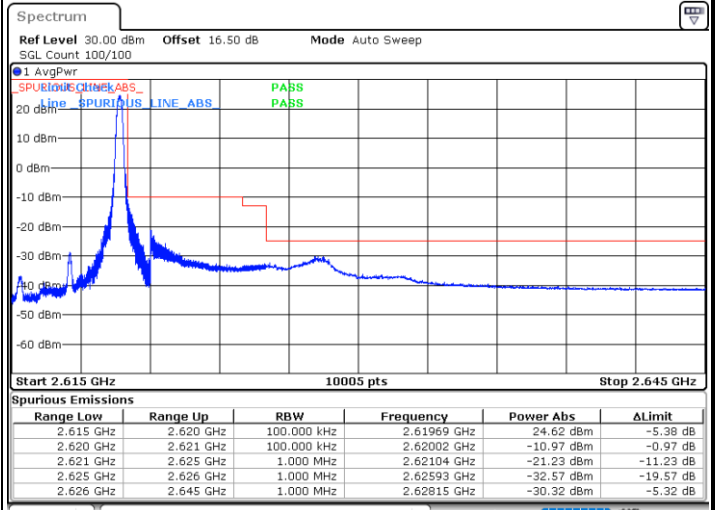
Conducted Band Edge

LTE Band 38 / 5MHz / QPSK

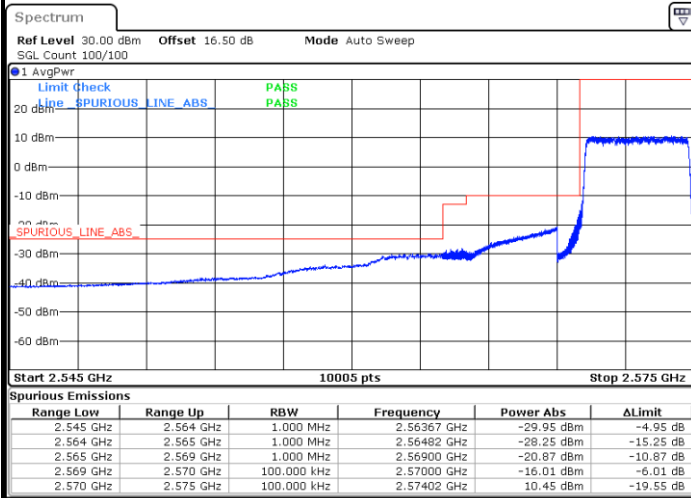
Lowest Band Edge / 1 RB



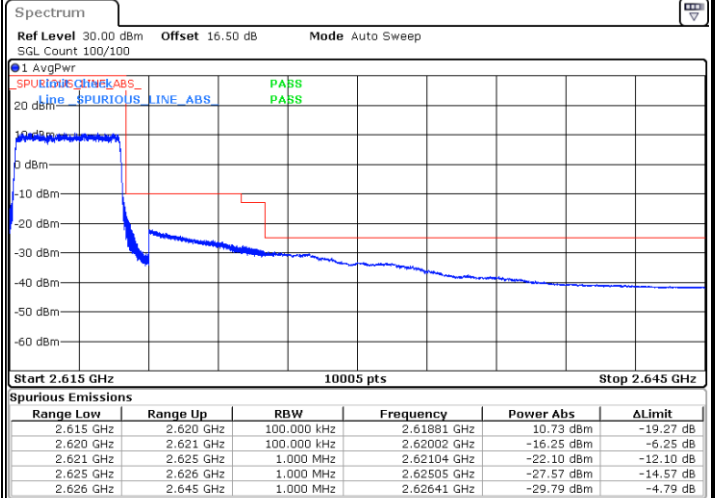
Highest Band Edge / 1 RB

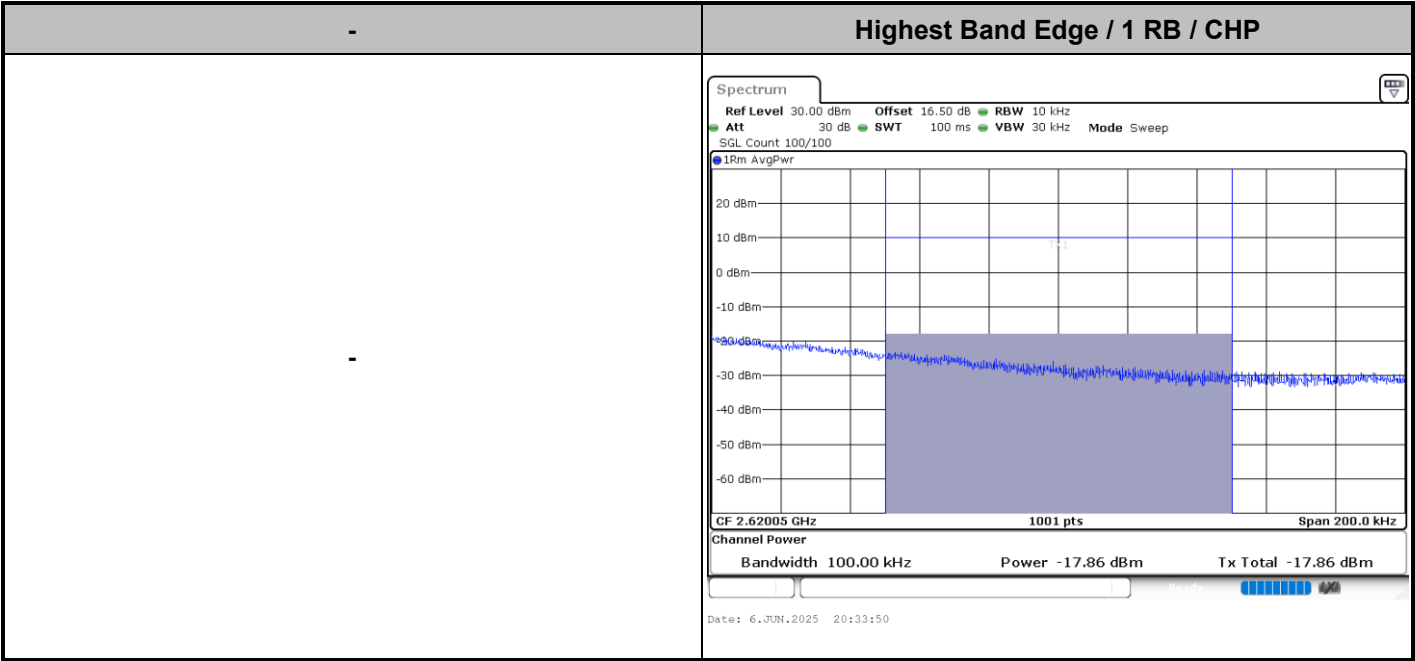


Lowest Band Edge / Full RB



Highest Band Edge / Full RB

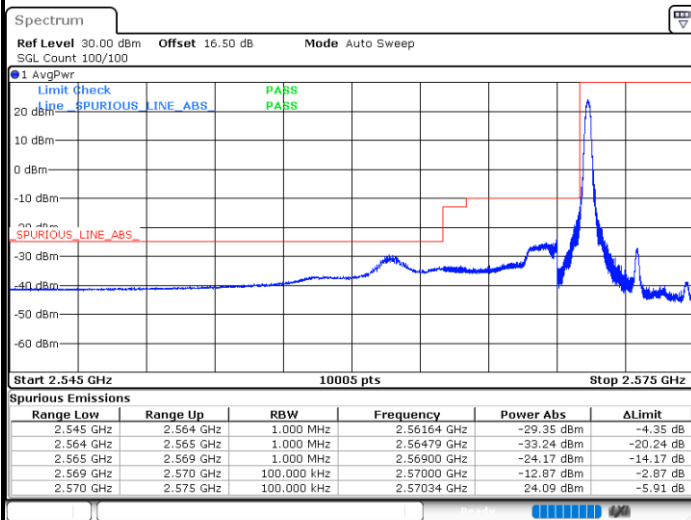




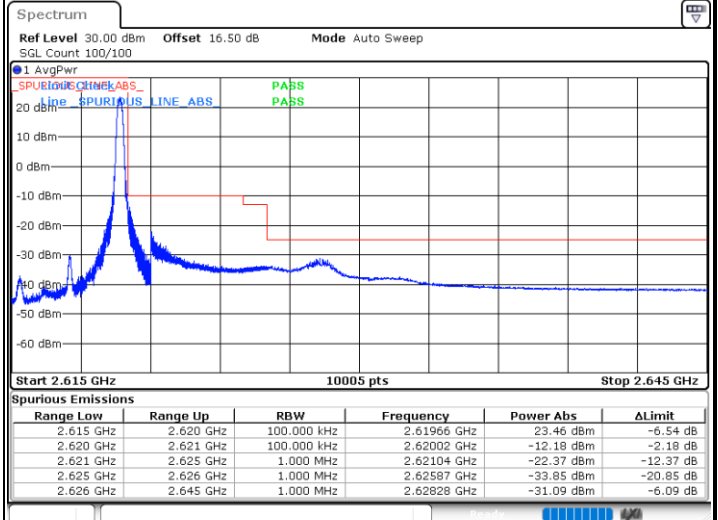


LTE Band 38 / 5MHz / 16QAM

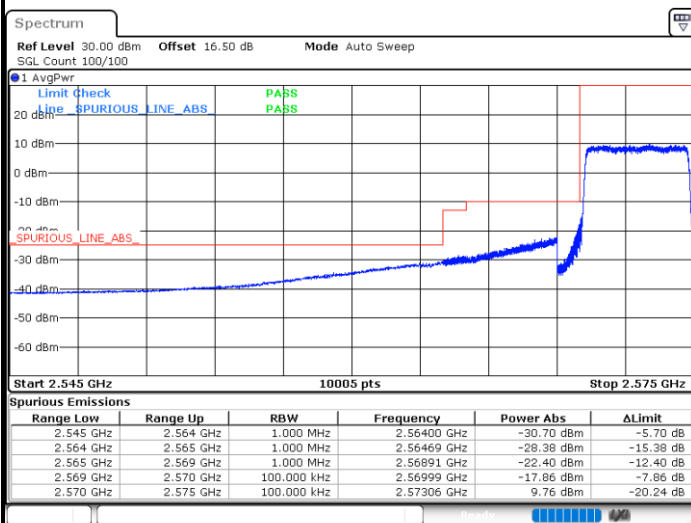
Lowest Band Edge / 1RB



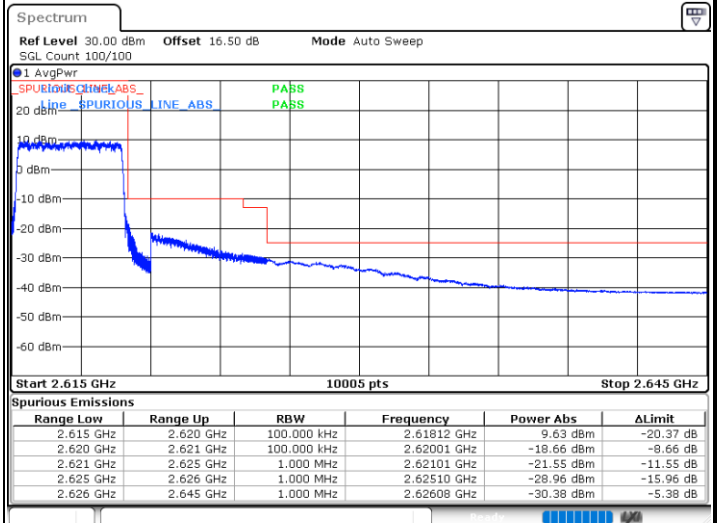
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



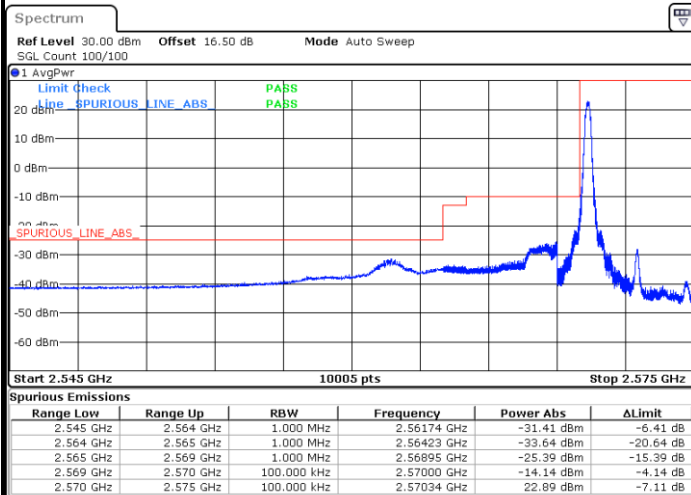
Highest Band Edge / Full RB



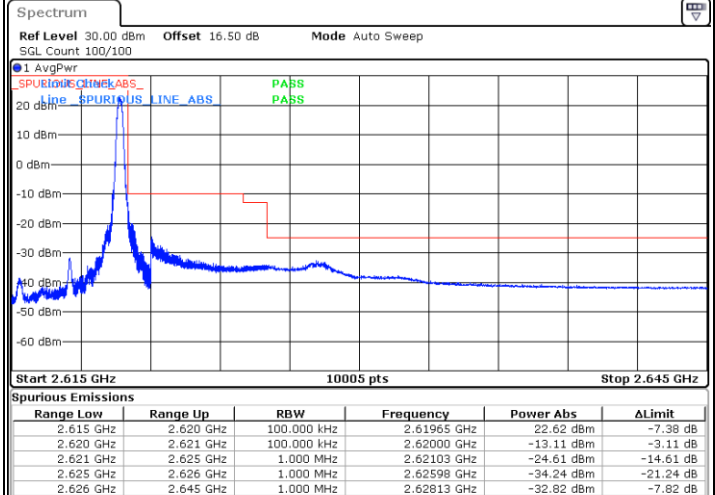


LTE Band 38 / 5MHz / 64QAM

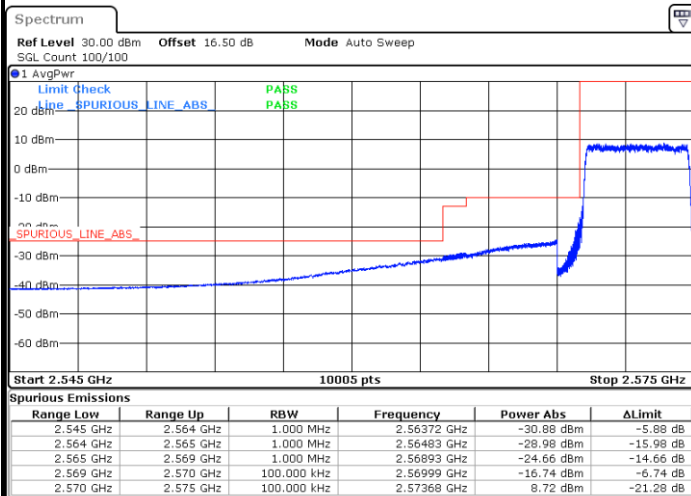
Lowest Band Edge / 1RB



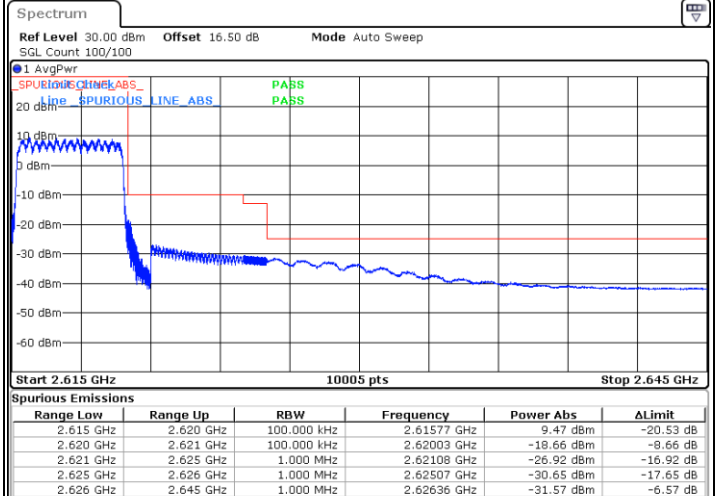
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



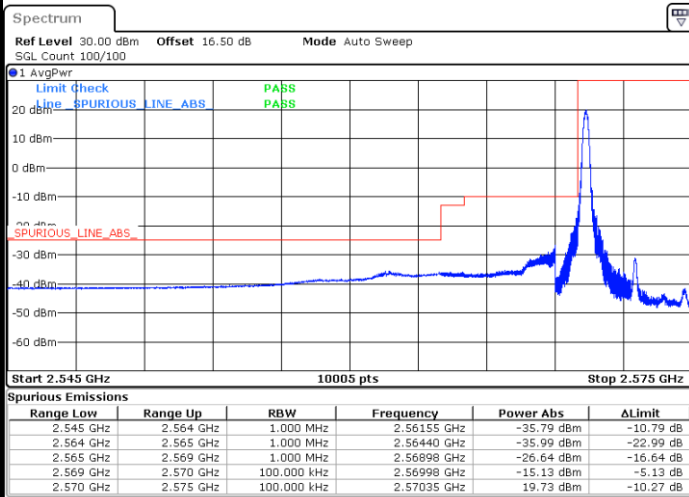
Highest Band Edge / Full RB



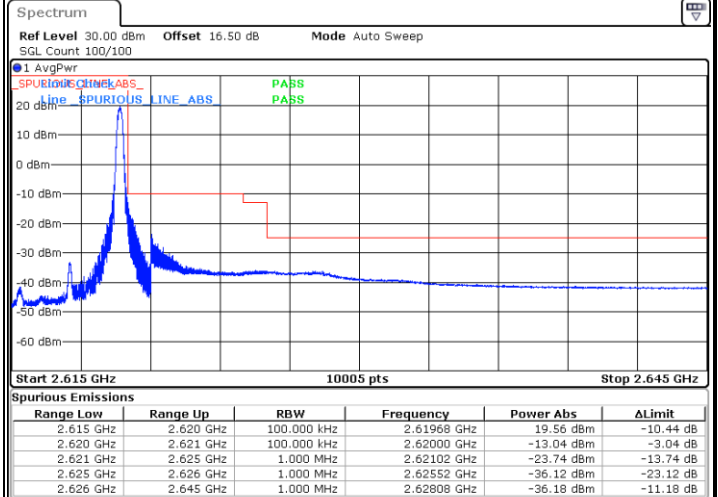


LTE Band 38 / 5MHz / 256QAM

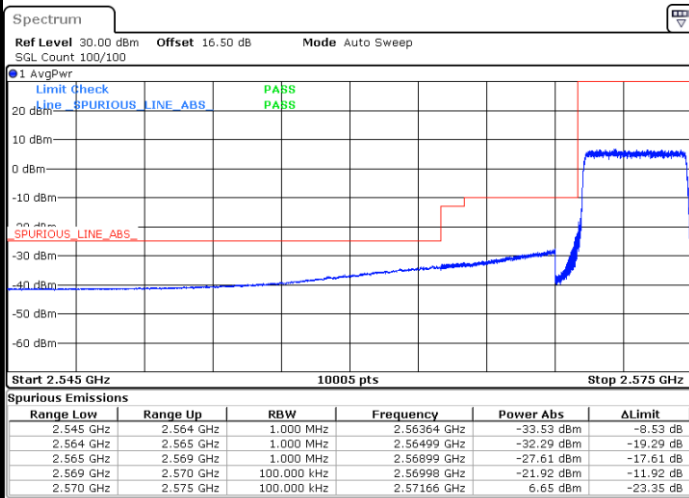
Lowest Band Edge / 1RB



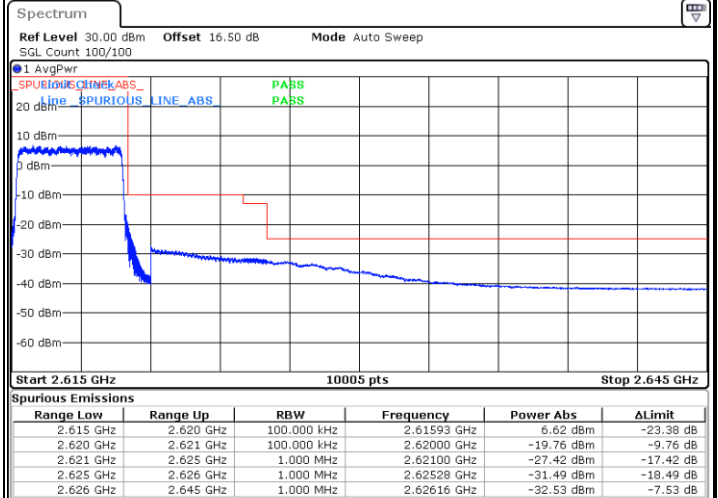
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



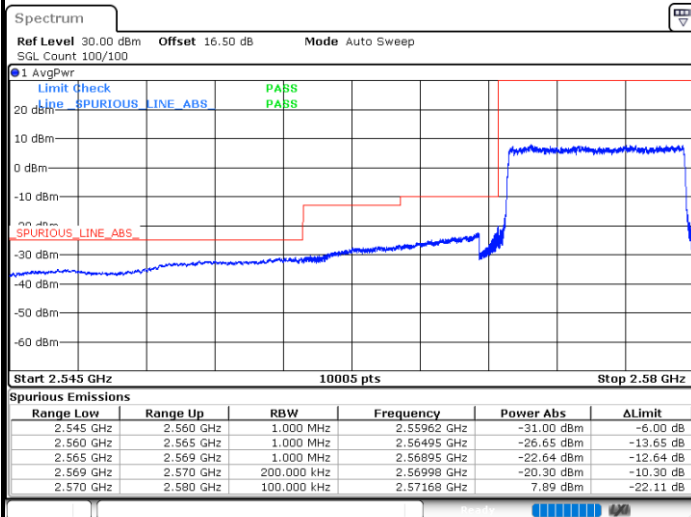
Highest Band Edge / Full RB





LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / Full RB

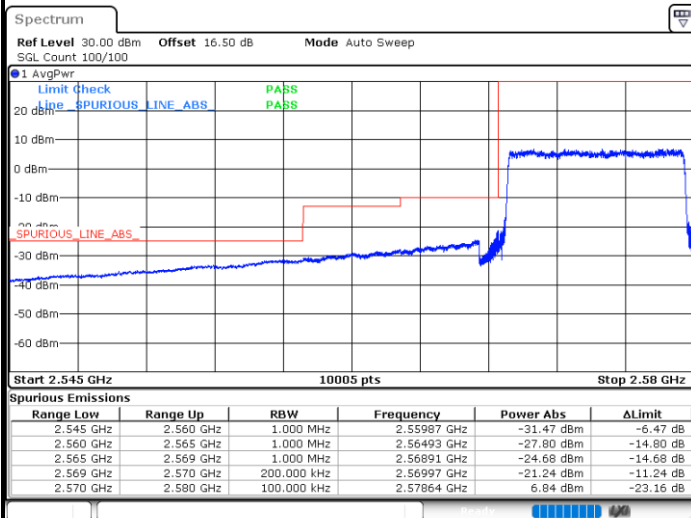


Highest Band Edge / Full RB

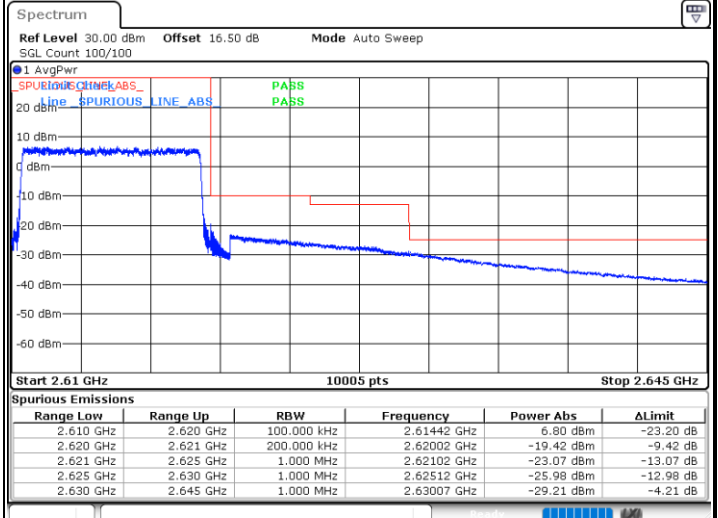


LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / Full RB



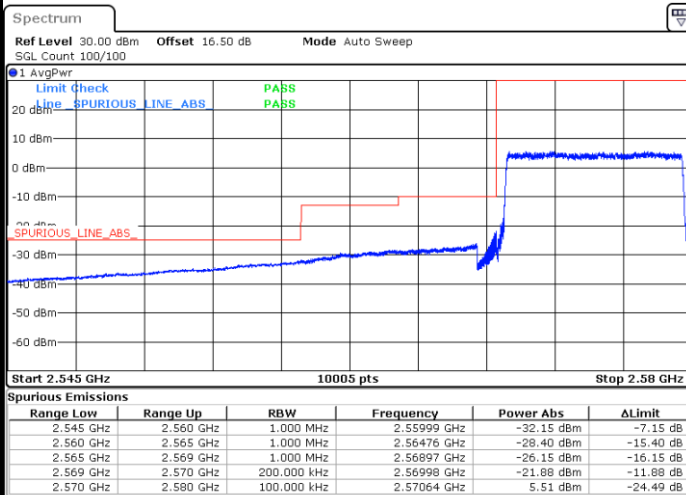
Highest Band Edge / Full RB



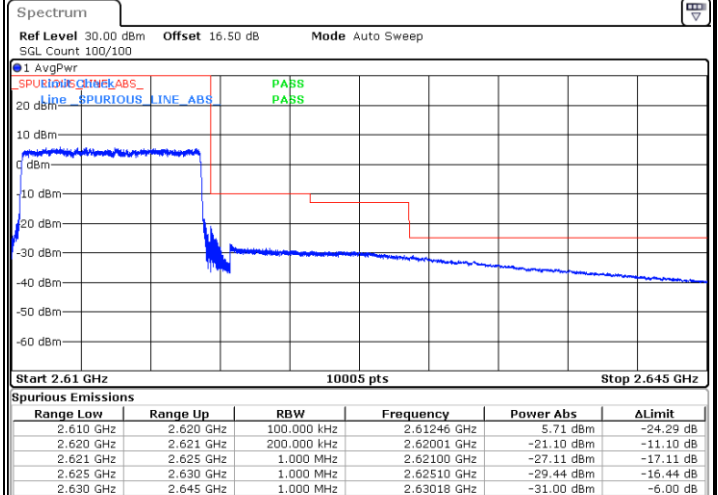


LTE Band 38 / 10MHz / 64QAM

Lowest Band Edge / Full RB

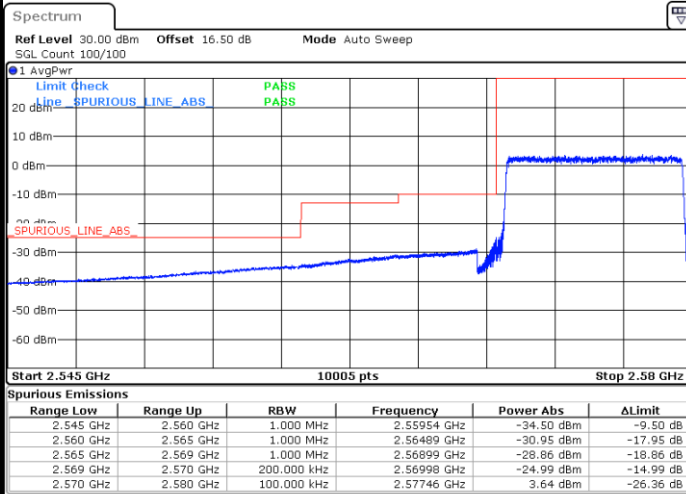


Highest Band Edge / Full RB



LTE Band 38 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

