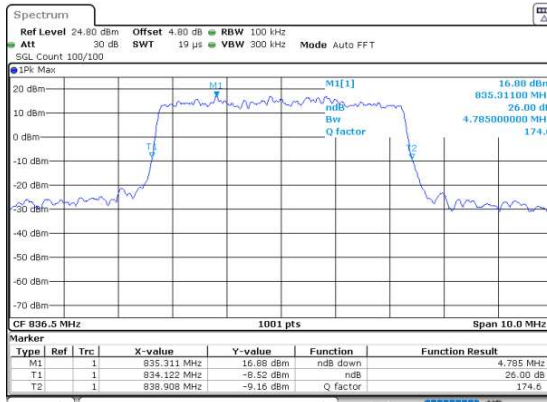


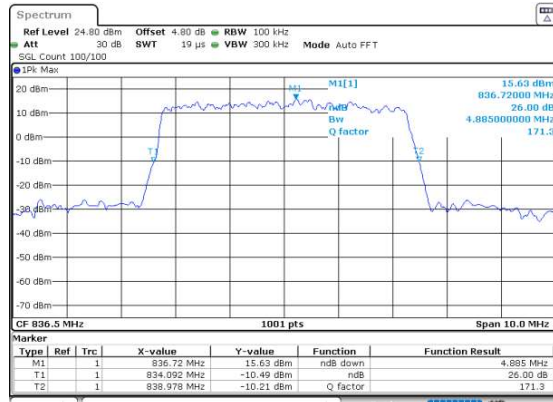


Middle Channel / 5MHz / QPSK



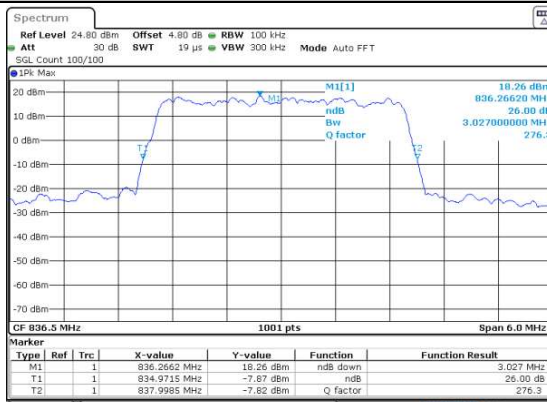
Date: 7.AUG.2024 03:17:26

Middle Channel / 5MHz / 16QAM



Date: 7.AUG.2024 03:17:47

Middle Channel / 3MHz / QPSK



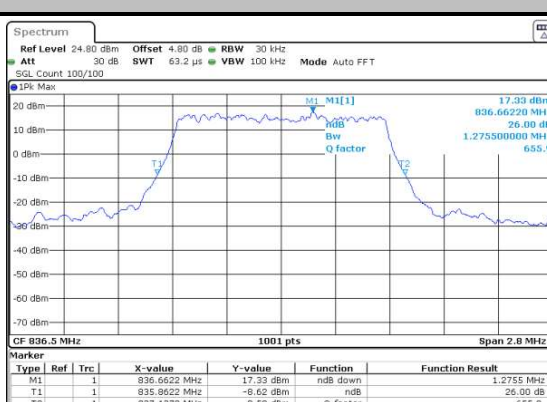
Date: 7.AUG.2024 03:18:58

Middle Channel / 3MHz / 16QAM



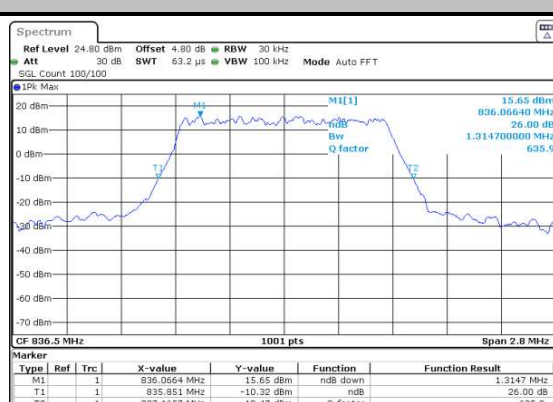
Date: 7.AUG.2024 03:19:11

Middle Channel / 1.4MHz / QPSK



Date: 7.AUG.2024 03:40:15

Middle Channel / 1.4MHz / 16QAM

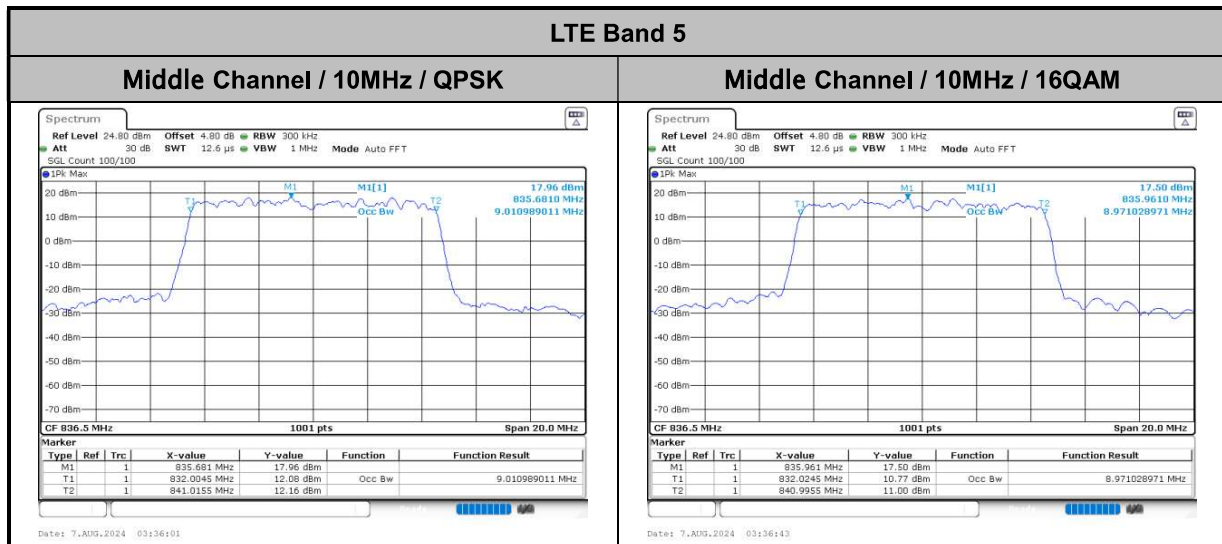


Date: 7.AUG.2024 03:40:36



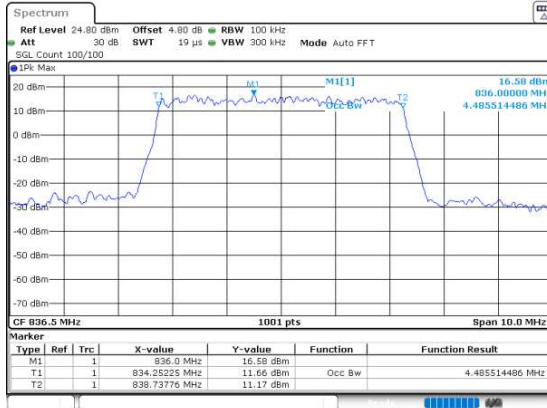
Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	8.97
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.49
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.70	2.71
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.10



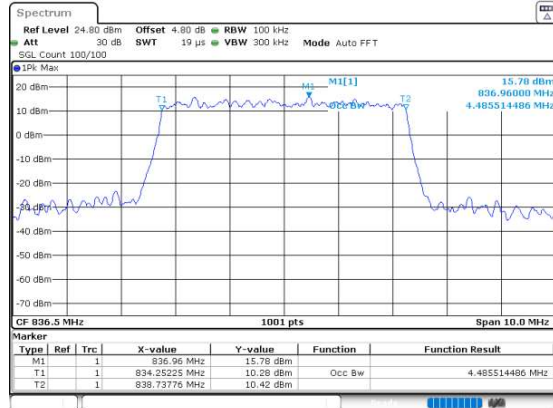


Middle Channel / 5MHz / QPSK



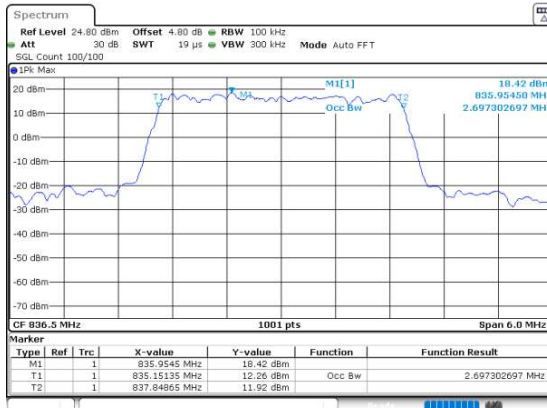
Date: 7-Aug-2024 03:17:05

Middle Channel / 5MHz / 16QAM



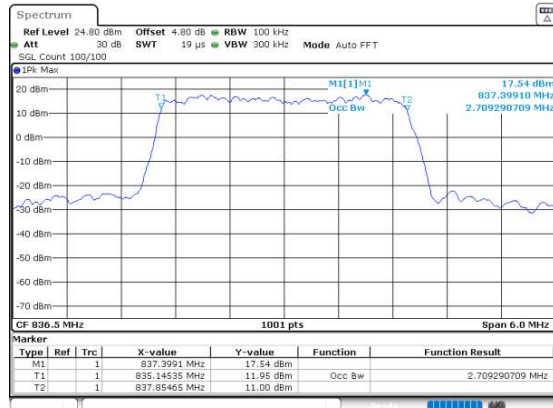
Date: 7-Aug-2024 03:18:08

Middle Channel / 3MHz / QPSK



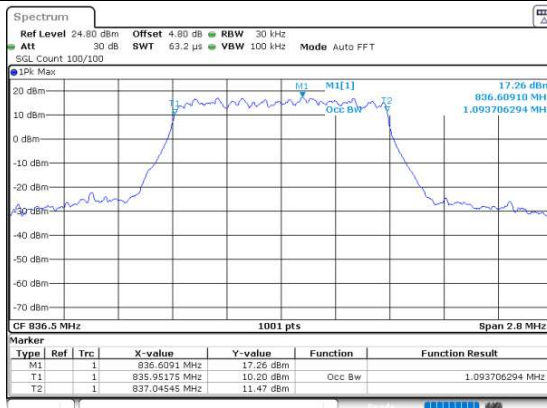
Date: 7-Aug-2024 03:18:18

Middle Channel / 3MHz / 16QAM



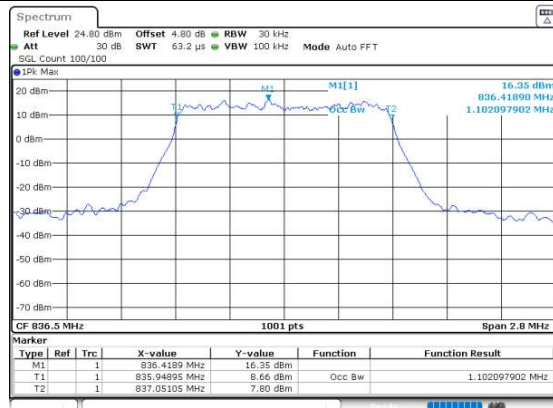
Date: 7-Aug-2024 03:18:18

Middle Channel / 1.4MHz / QPSK



Date: 7-Aug-2024 03:19:54

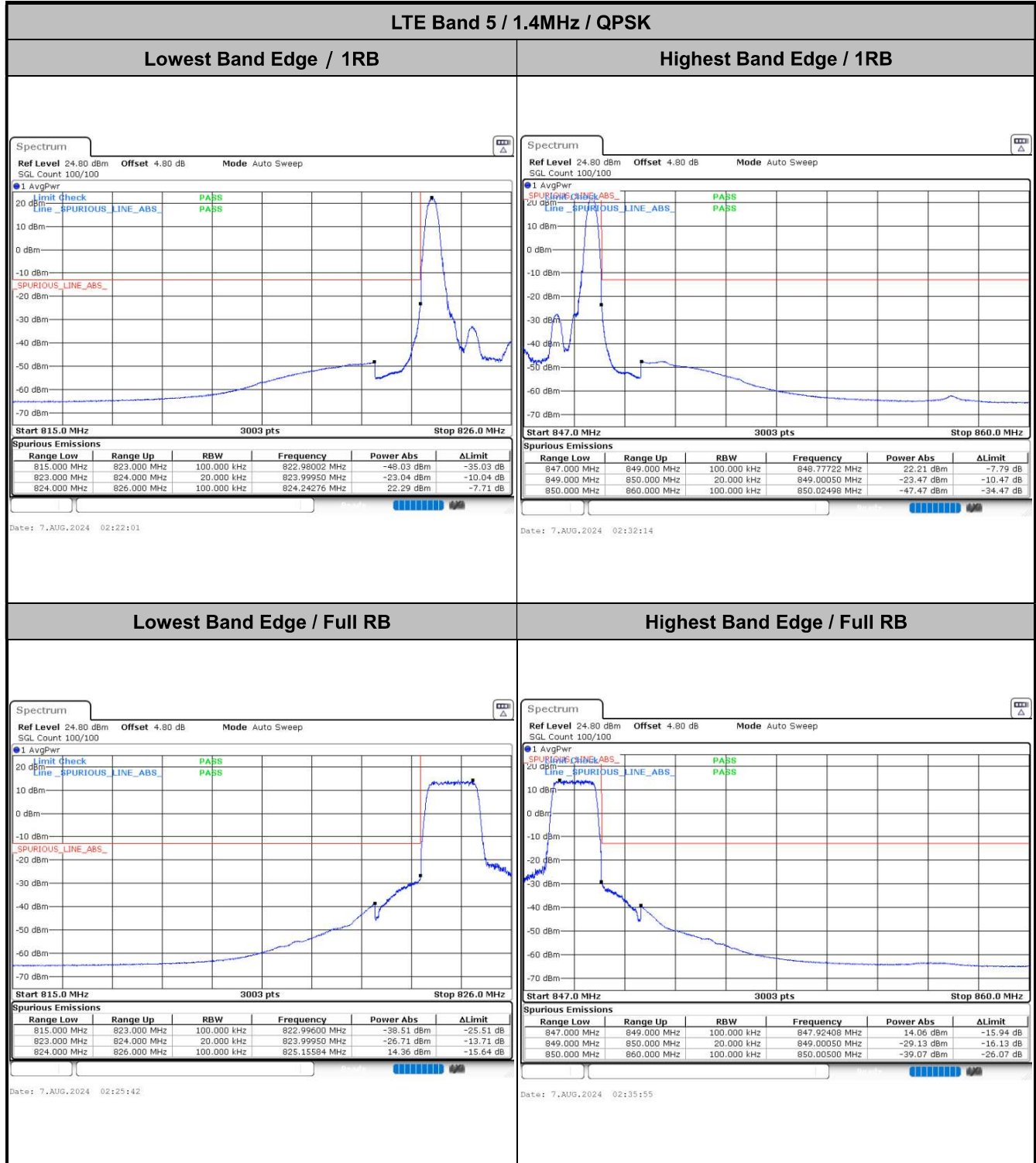
Middle Channel / 1.4MHz / 16QAM



Date: 7-Aug-2024 03:40:57



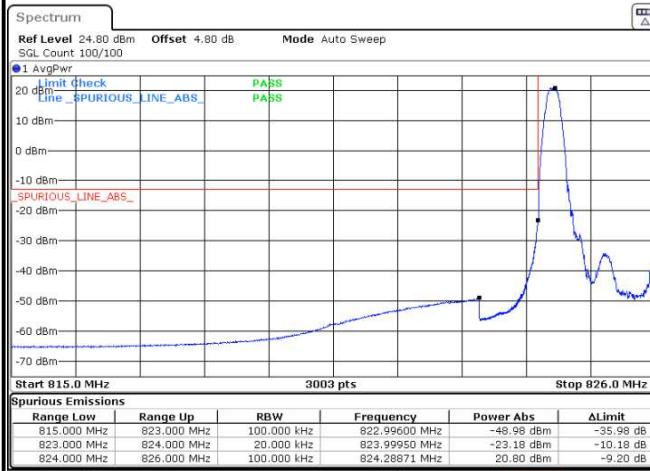
Conducted Band Edge





LTE Band 5 / 1.4MHz / 16QAM

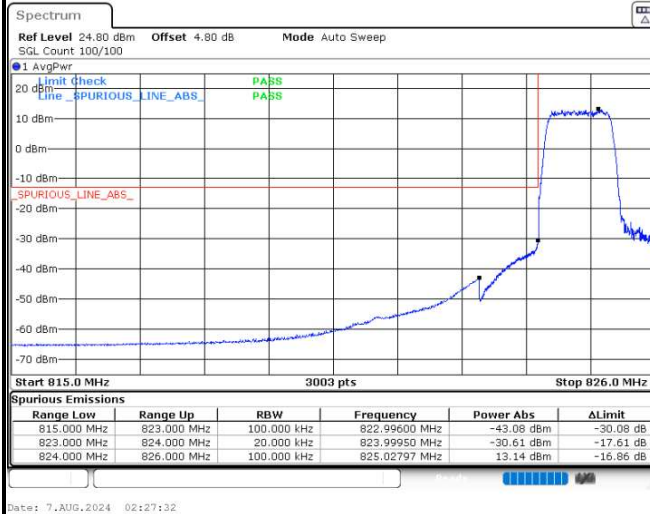
Lowest Band Edge / 1 RB



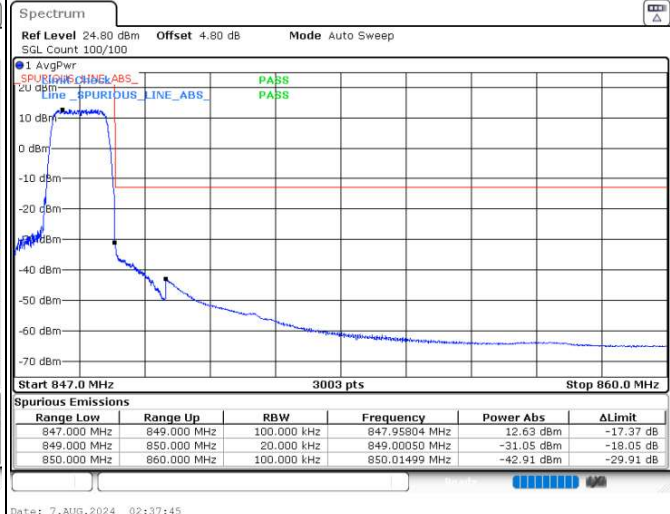
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



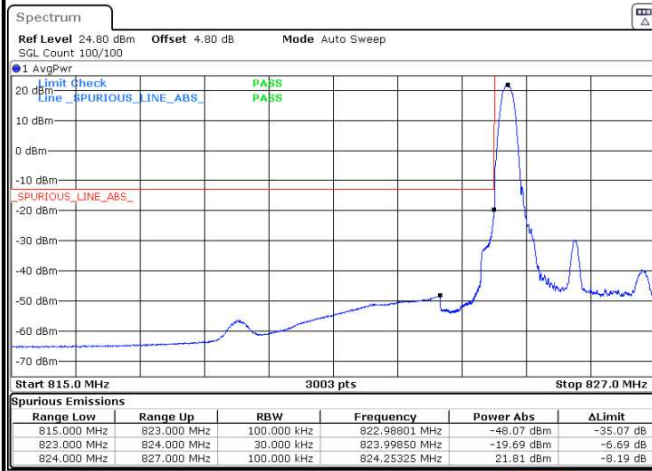
Highest Band Edge / Full RB



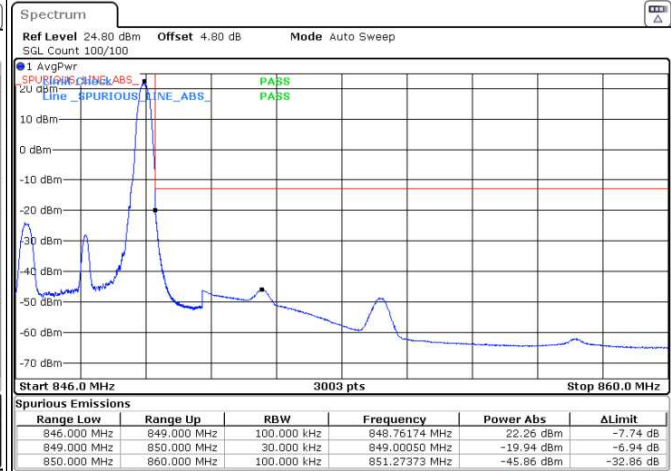


LTE Band 5 / 3MHz / QPSK

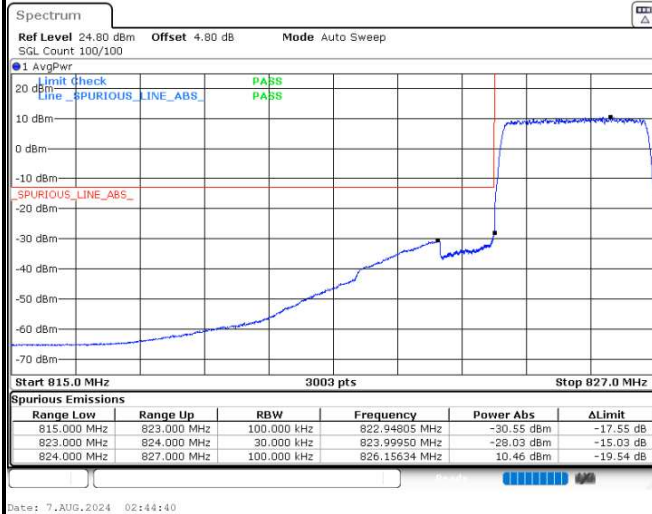
Lowest Band Edge / 1RB



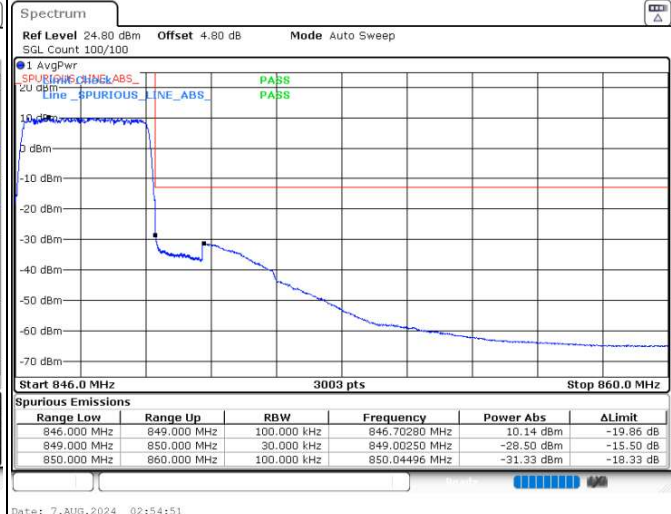
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



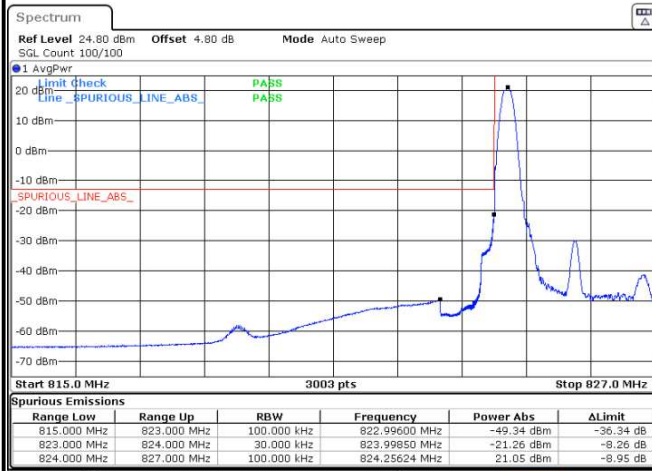
Highest Band Edge / Full RB



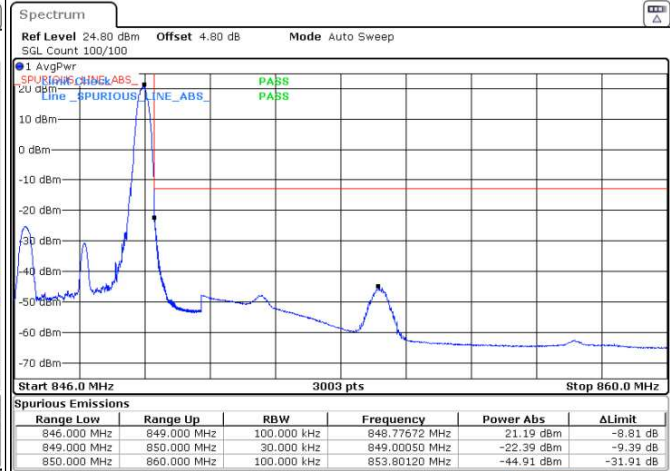


LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



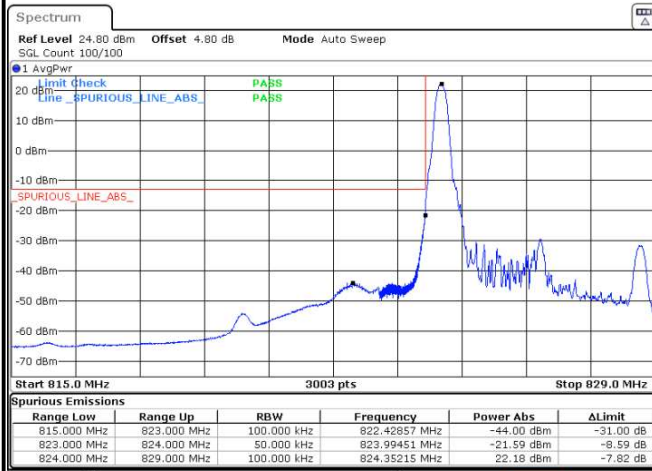
Highest Band Edge / Full RB





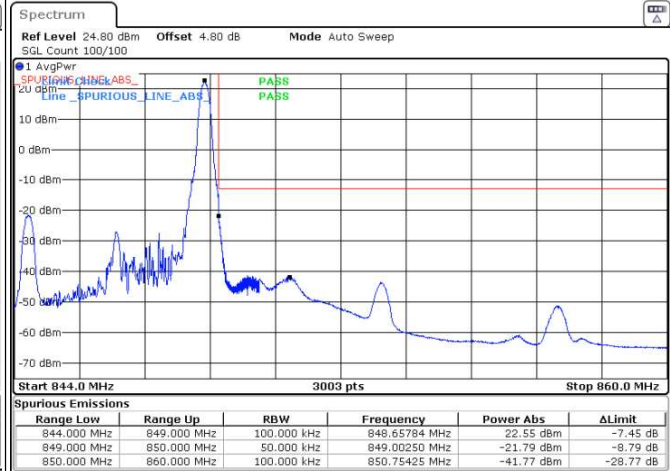
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Date: 7.AUG.2024 02:59:56

Highest Band Edge / 1 RB



Date: 7.AUG.2024 03:10:07

Lowest Band Edge / Full RB



Date: 7.AUG.2024 03:03:37

Highest Band Edge / Full RB

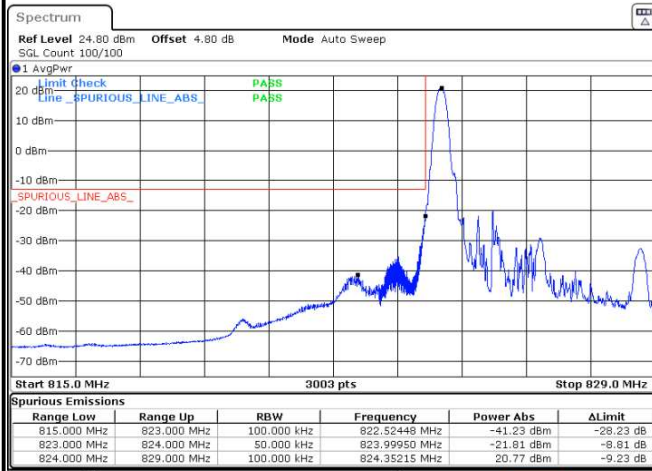


Date: 7.AUG.2024 03:13:47

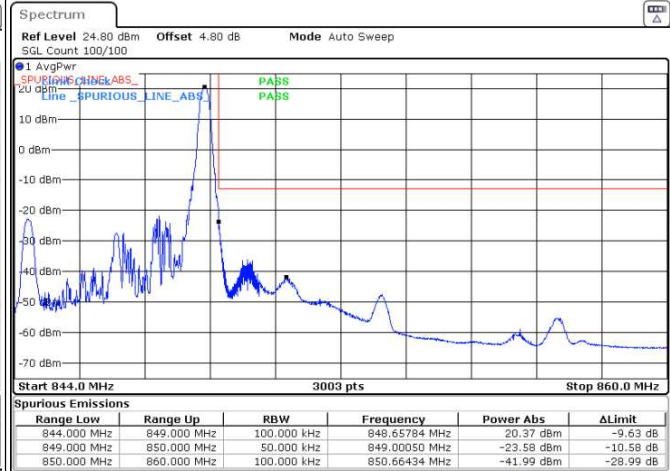


LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



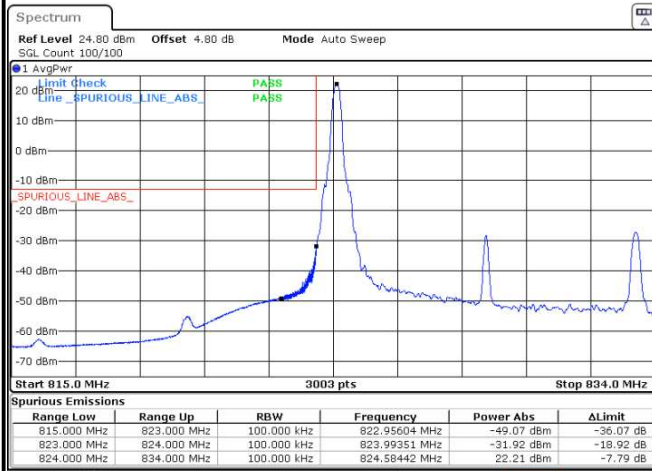
Highest Band Edge / Full RB



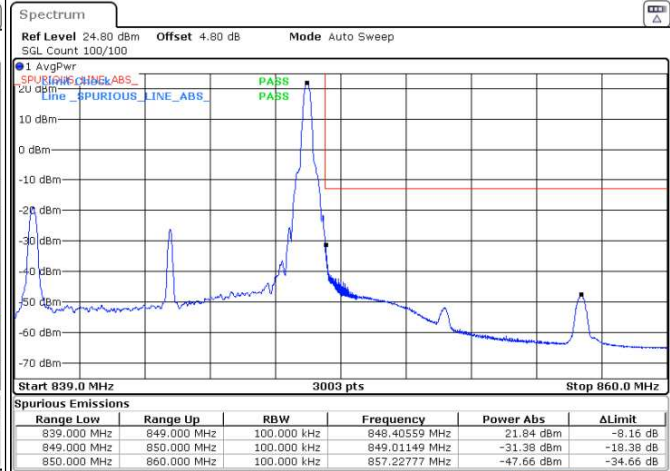


LTE Band 5 / 10MHz / QPSK

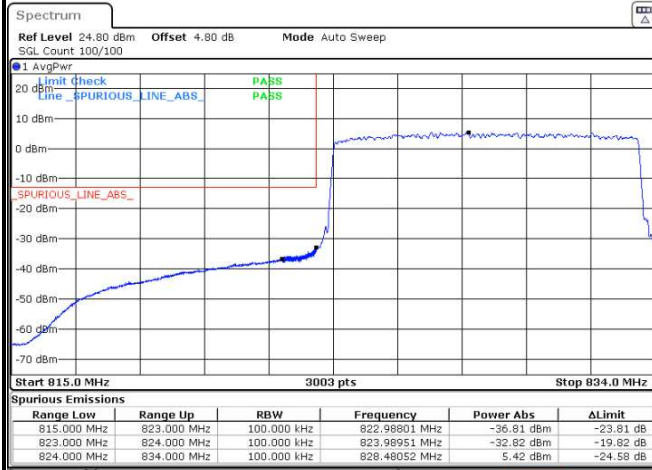
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



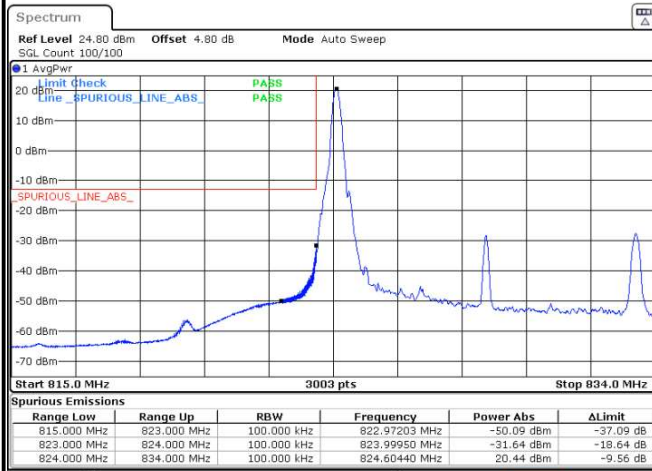
Highest Band Edge / Full RB



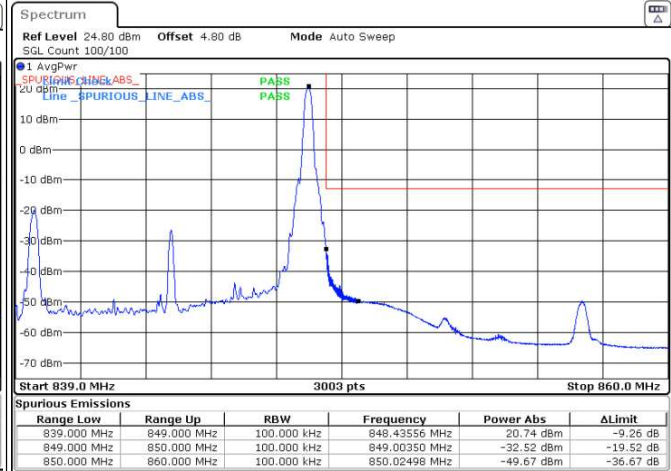


LTE Band 5 / 10MHz / 16QAM

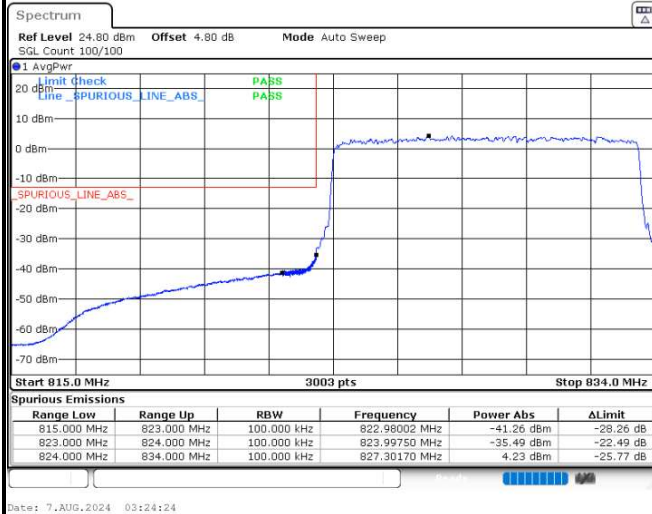
Lowest Band Edge / 1 RB



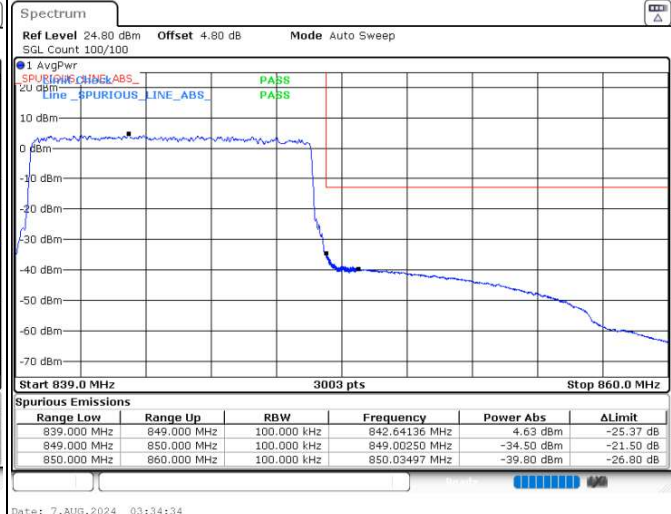
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

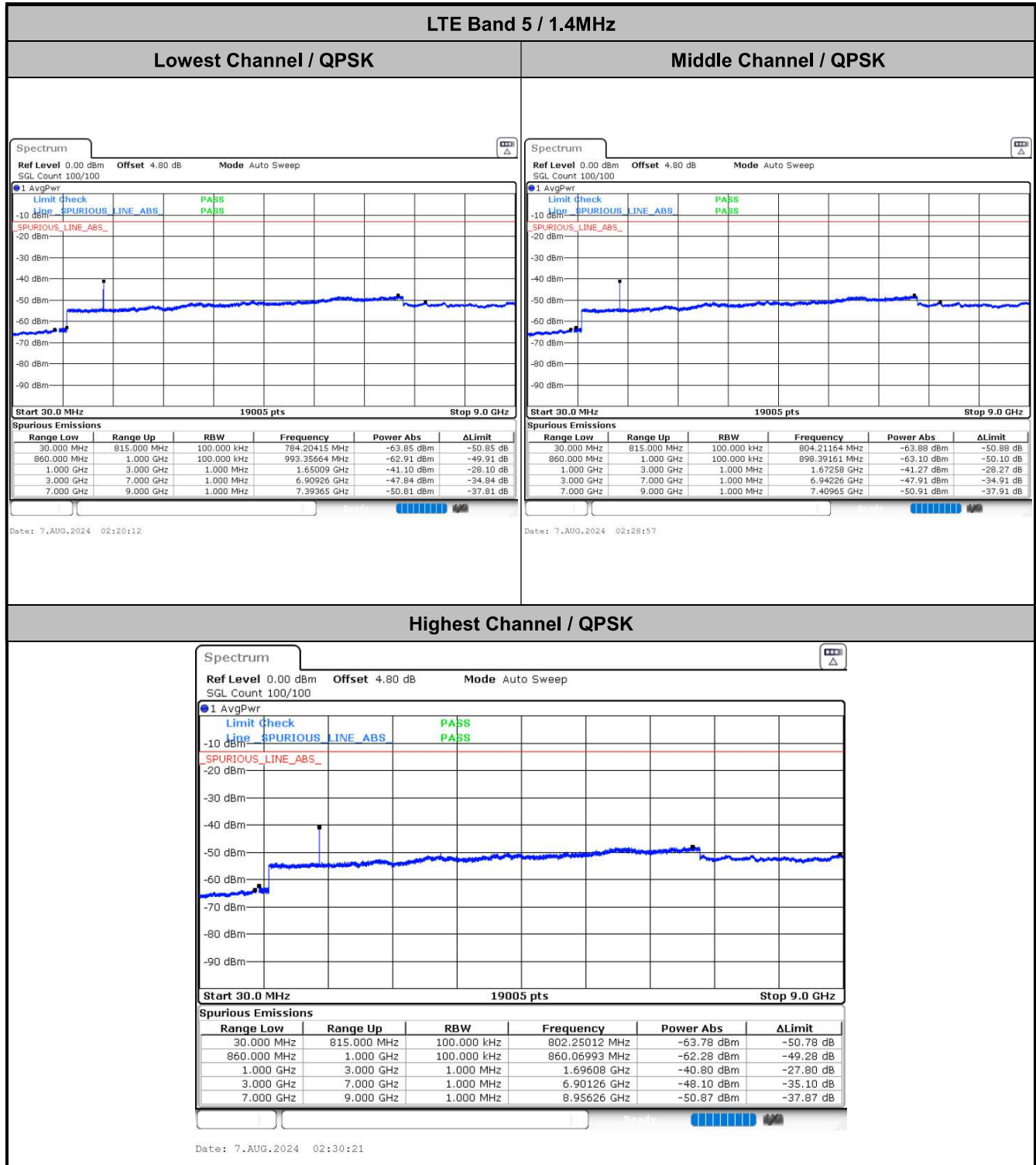


Highest Band Edge / Full RB





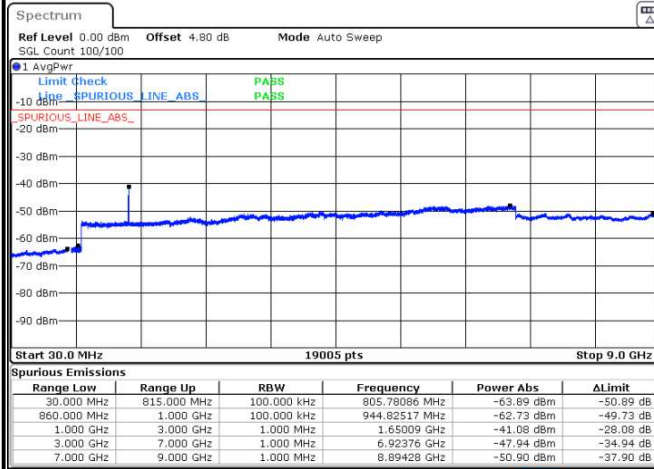
Conducted Spurious Emission



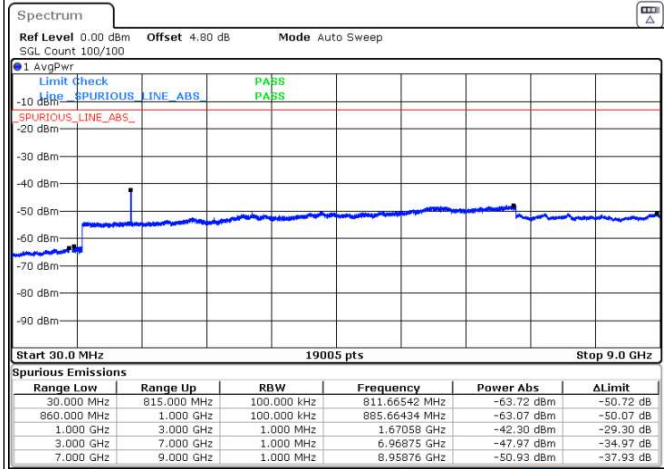


LTE Band 5 / 3MHz

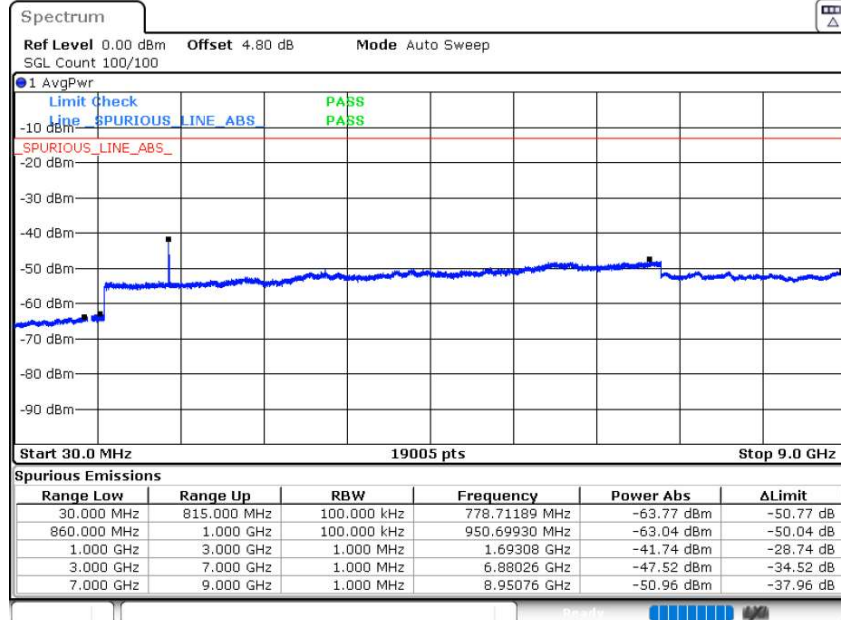
Lowest Channel / QPSK



Middle Channel / QPSK



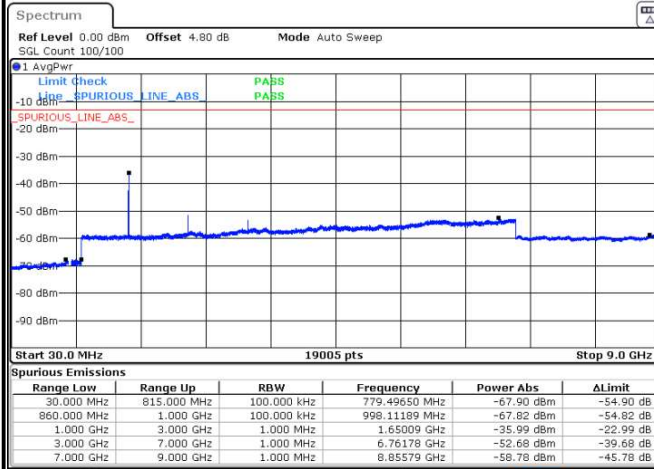
Highest Channel / QPSK



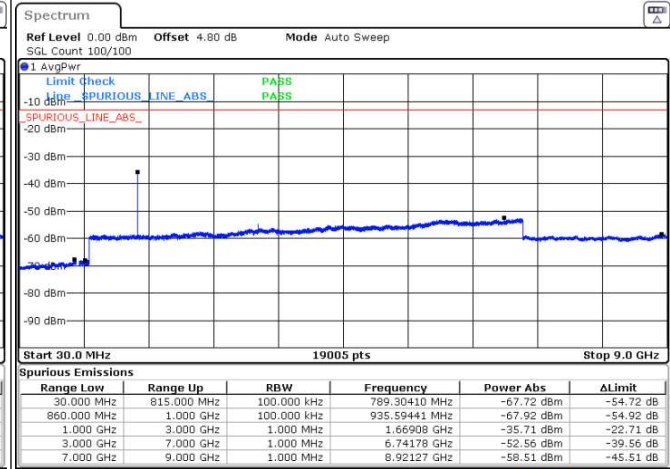


LTE Band 5 / 5MHz

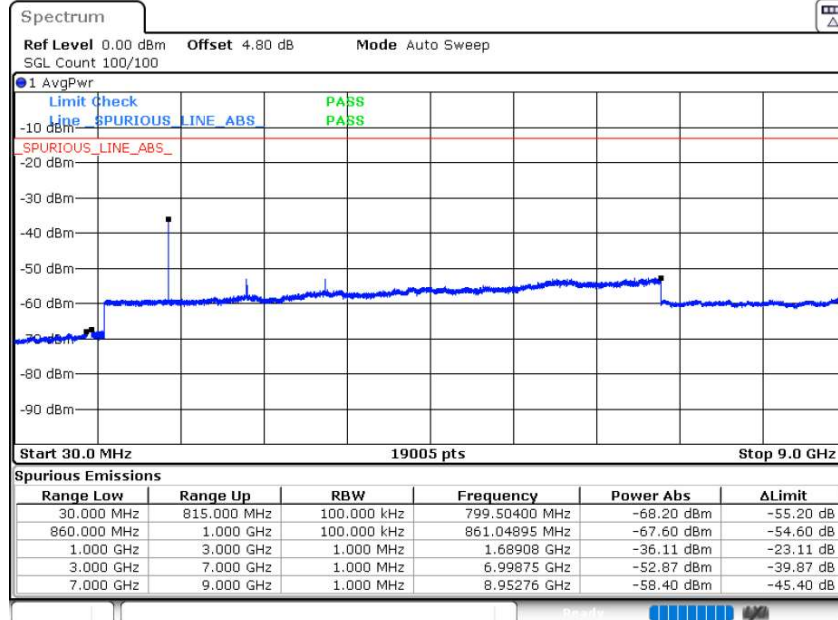
Lowest Channel / QPSK



Middle Channel / QPSK



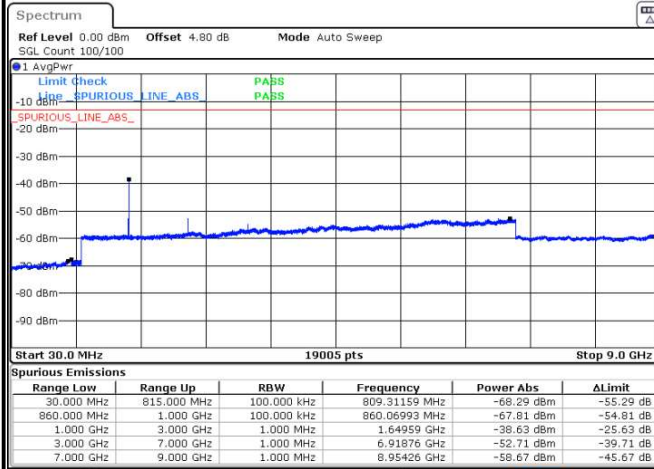
Highest Channel / QPSK



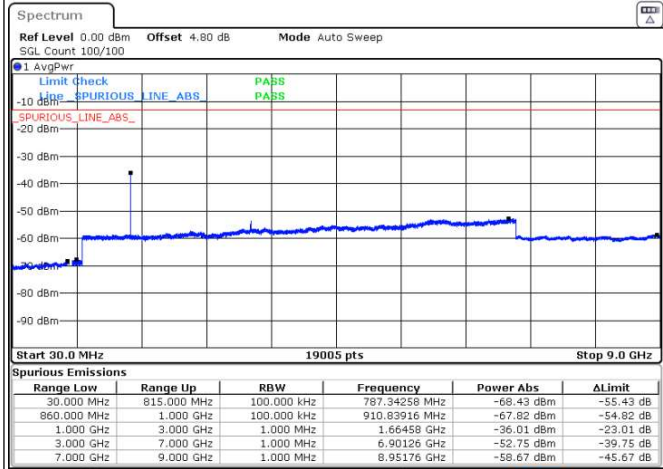


LTE Band 5 / 10MHz

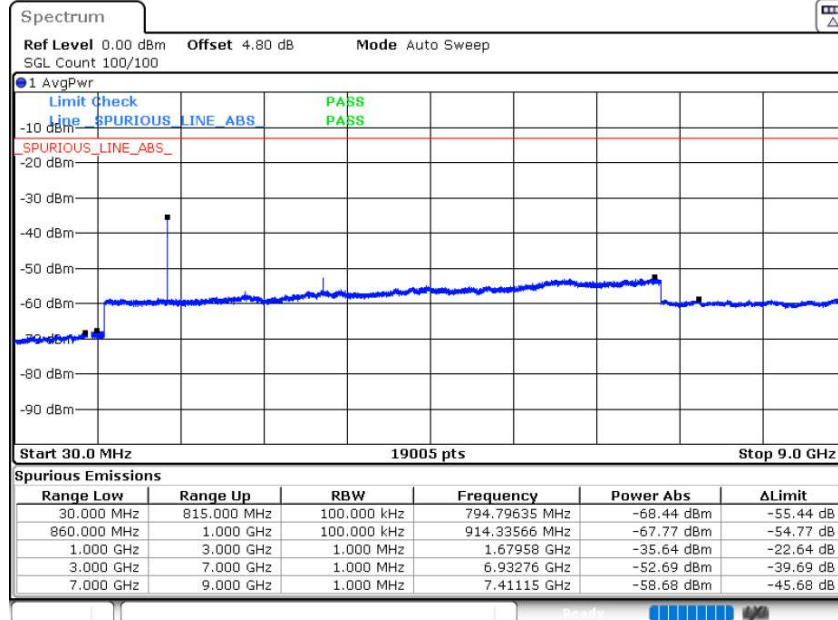
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK



**Frequency Stability**

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0048	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0055	
-20	Normal Voltage	0.0092	
-30	Normal Voltage	0.0043	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0058	

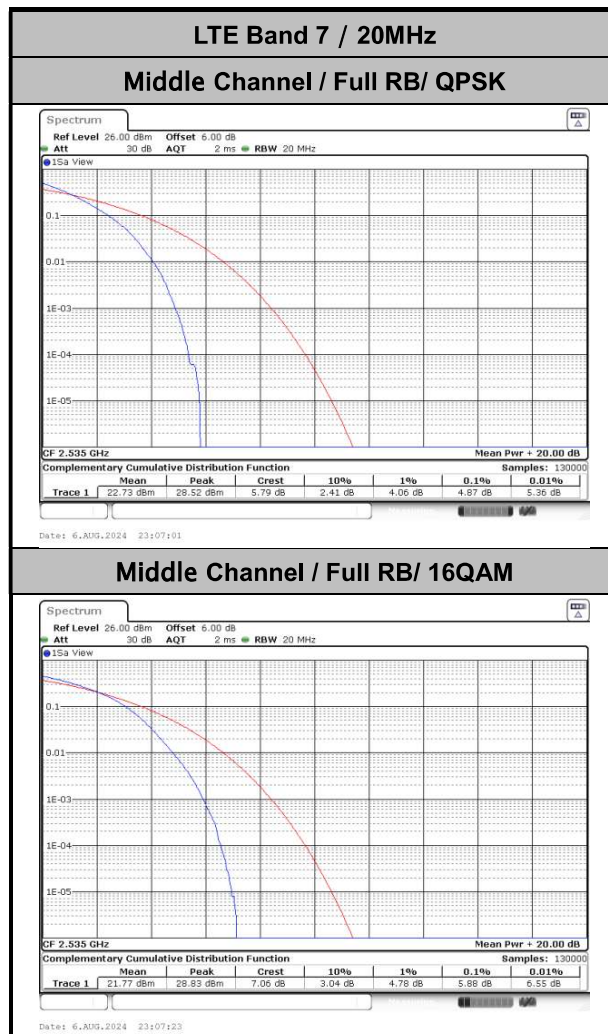
Note: Normal Voltage =3.8 V. ; Minimum Voltage (BEP) =3.55 V. ; Maximum Voltage =4.4 V.



LTE Band 7

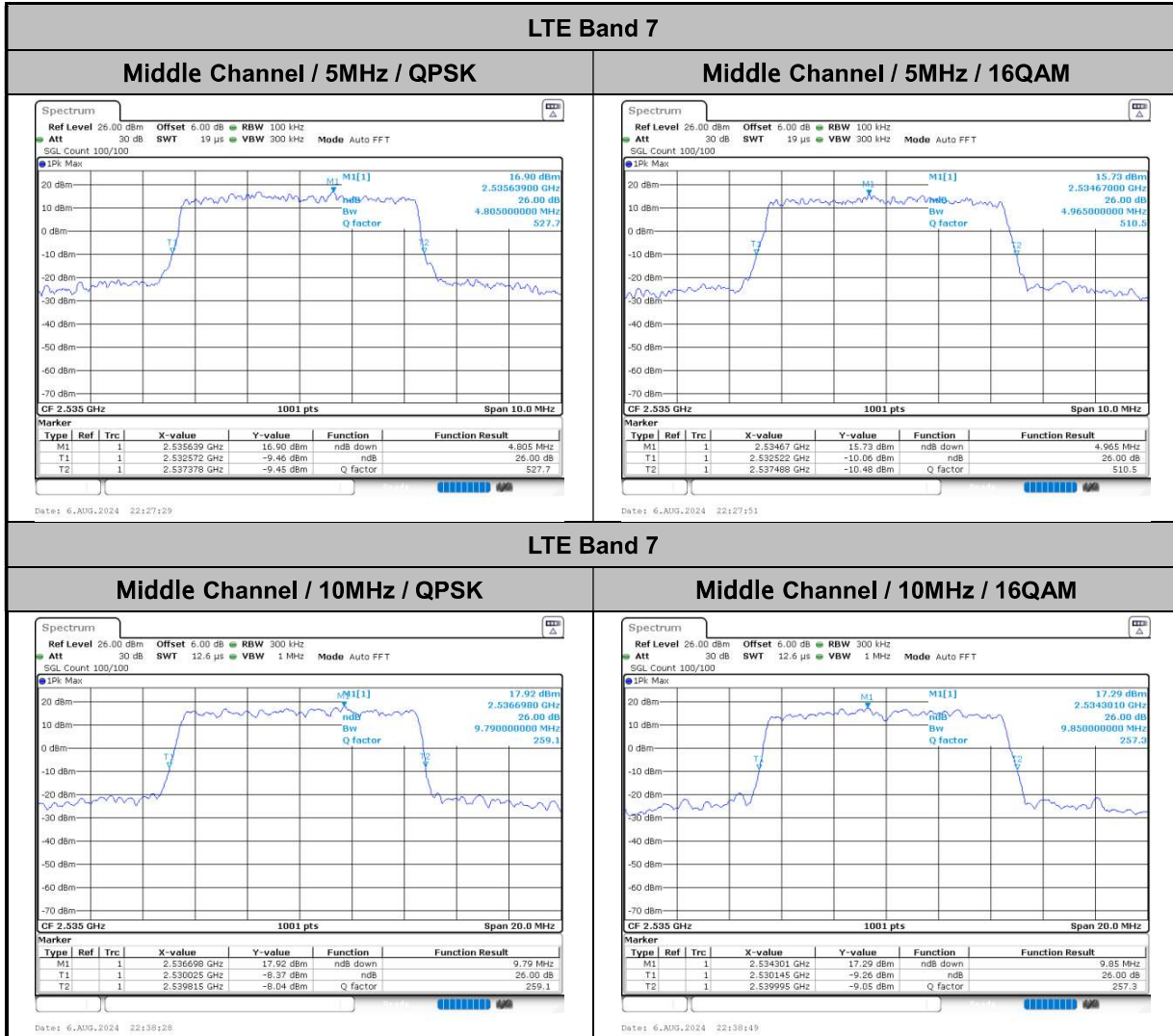
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.87	5.88	PASS



**26dB Bandwidth**

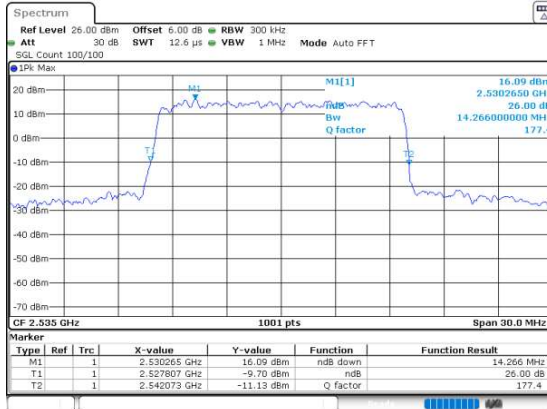
Mode	LTE Band 7 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.81	4.97	9.79	9.85	14.27	14.42	18.94	18.94



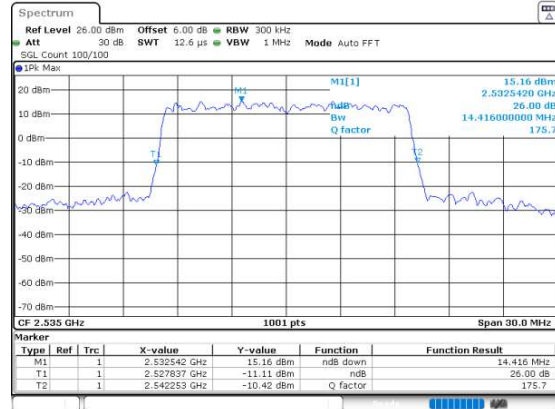


LTE Band 7

Middle Channel / 15MHz / QPSK

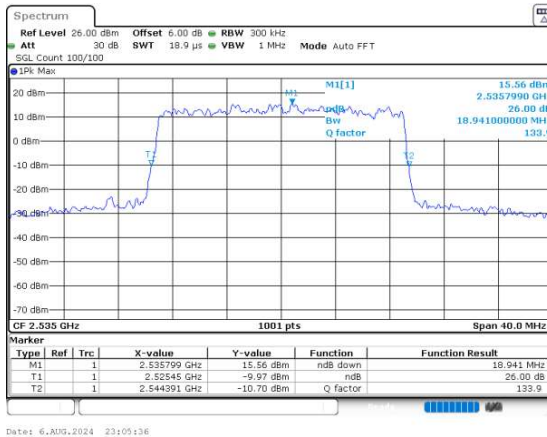


Middle Channel / 15MHz / 16QAM

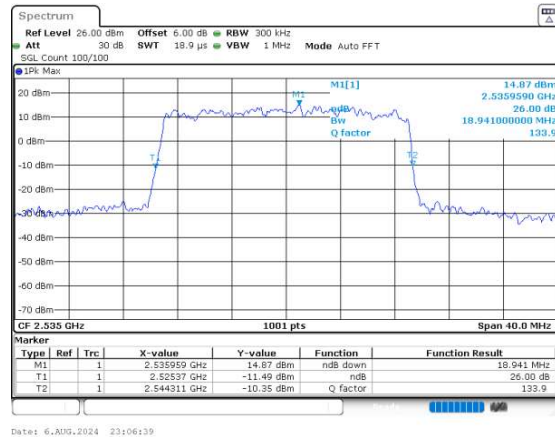


LTE Band 7

Middle Channel / 20MHz / QPSK



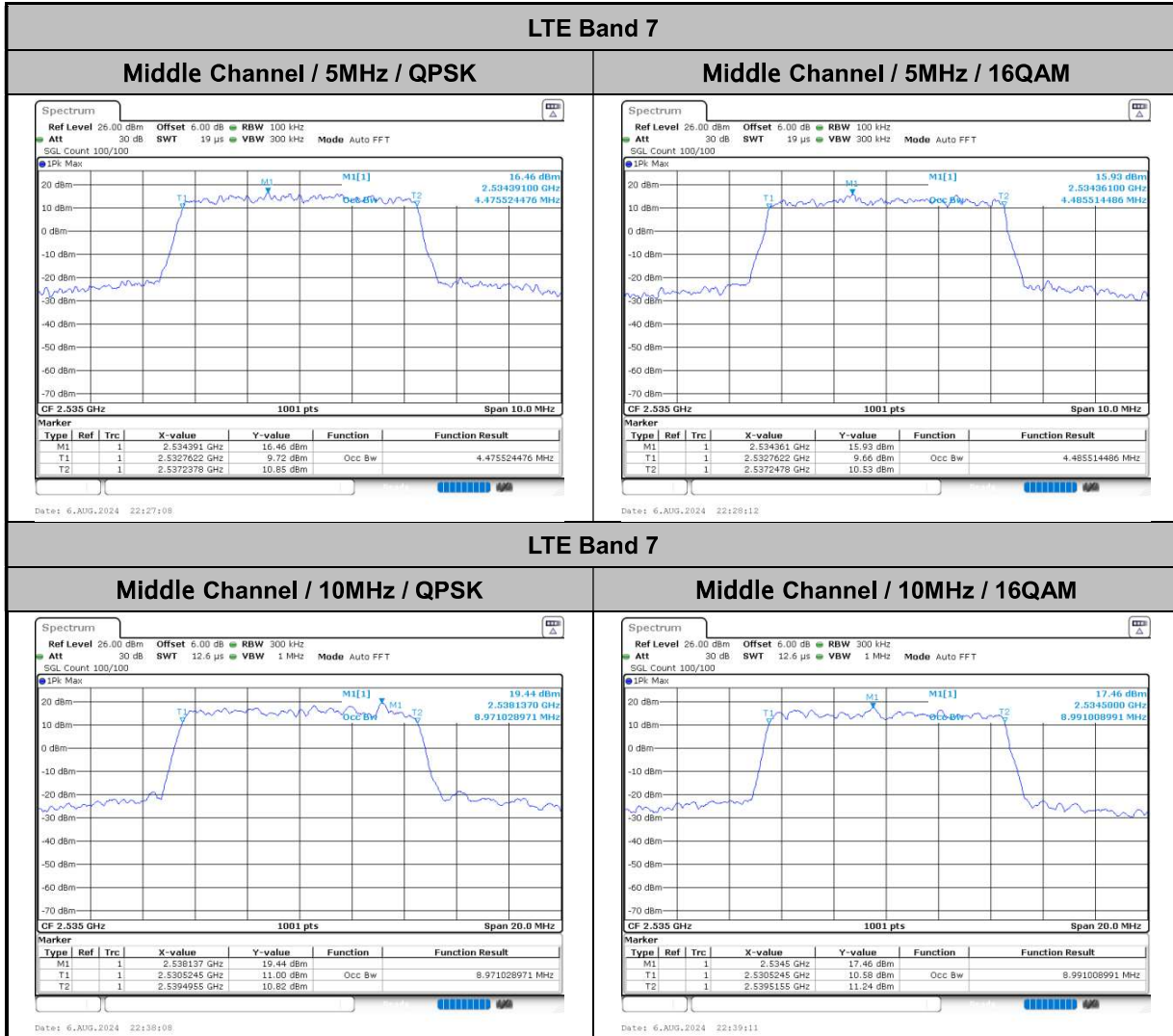
Middle Channel / 20MHz / 16QAM





Occupied Bandwidth

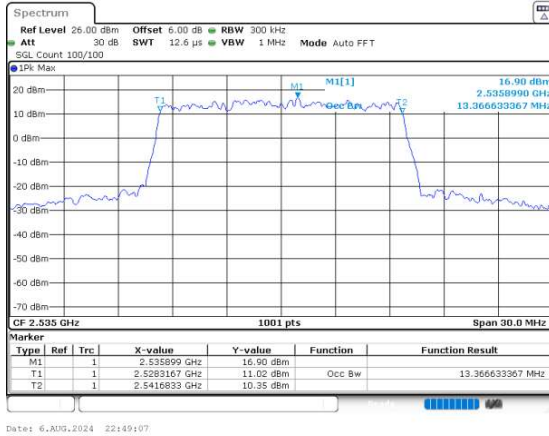
Mode	LTE Band 7 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.48	4.49	8.97	8.99	13.37	13.43	17.82	17.98



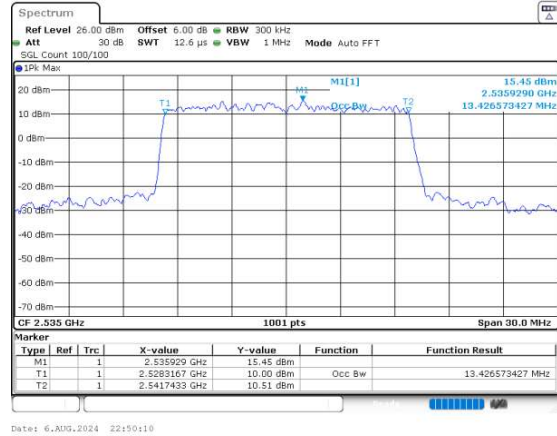


LTE Band 7

Middle Channel / 15MHz / QPSK

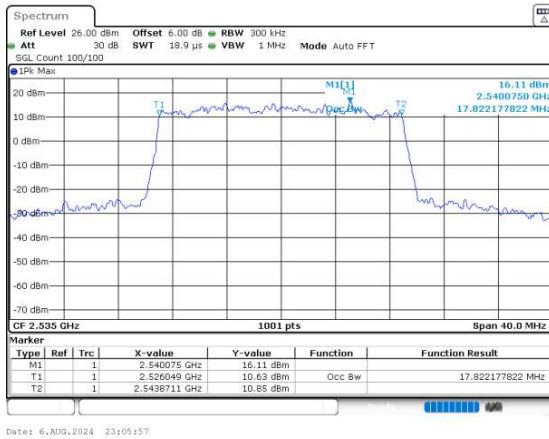


Middle Channel / 15MHz / 16QAM

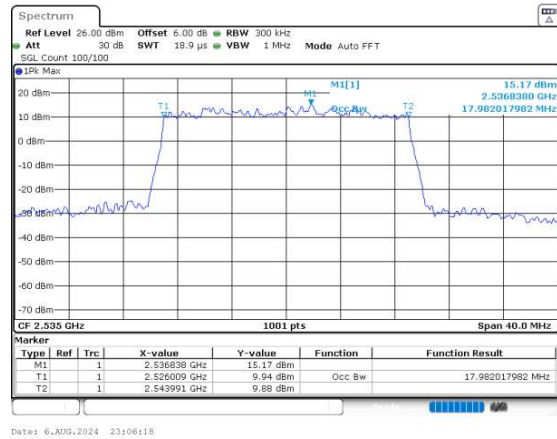


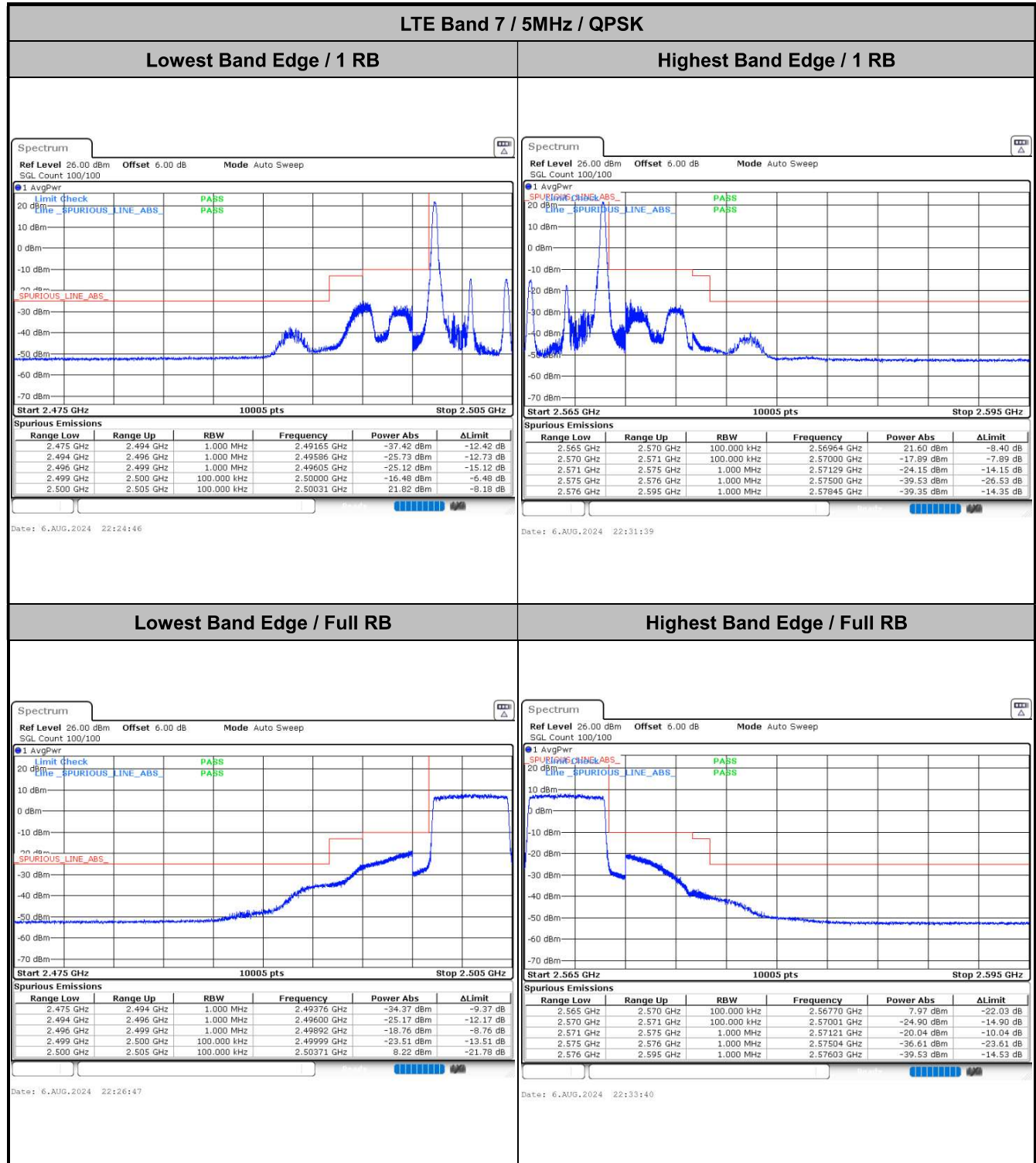
LTE Band 7

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

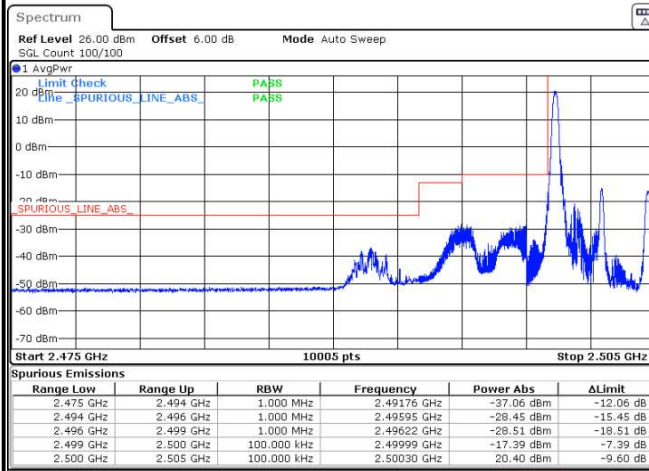


**Conducted Band Edge**

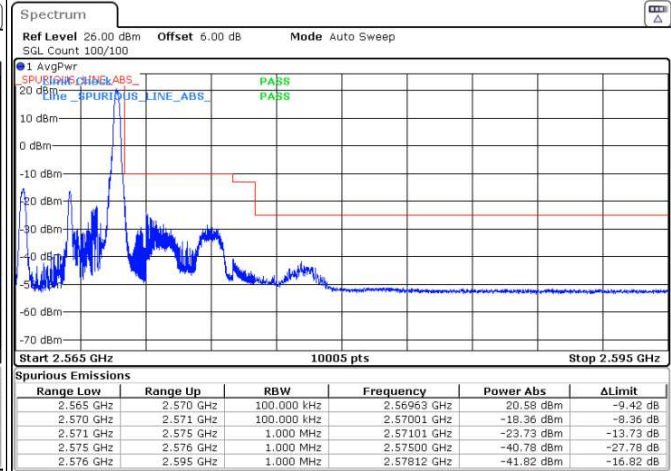


LTE Band 7 / 5MHz / 16QAM

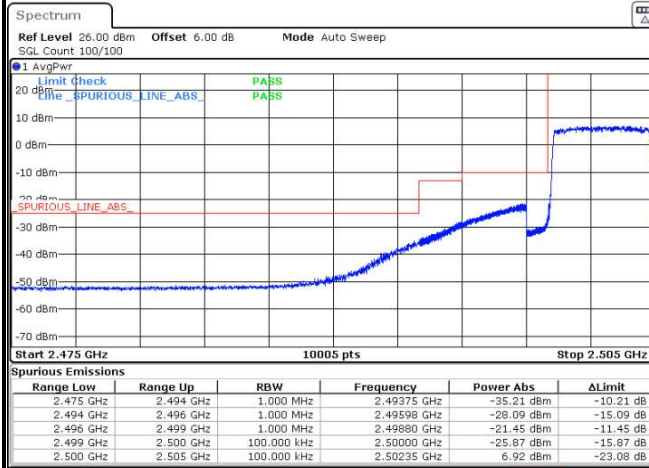
Lowest Band Edge / 1RB



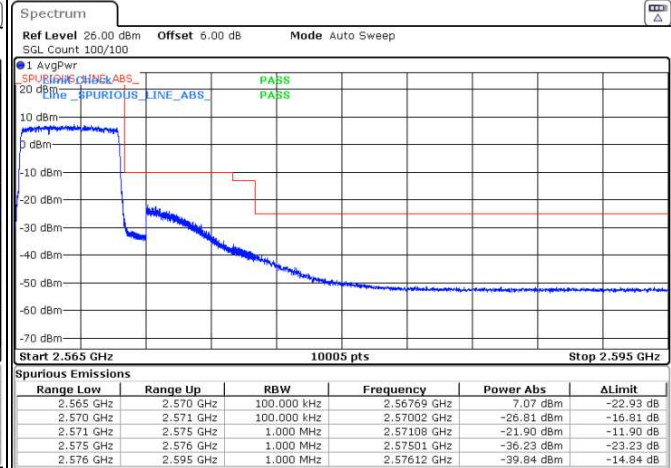
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



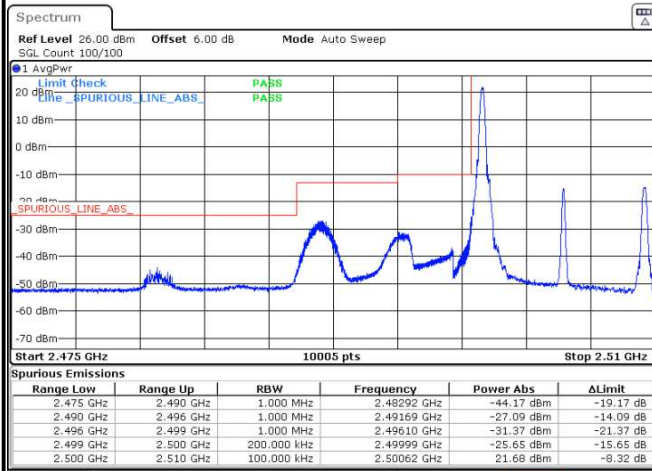
Highest Band Edge / Full RB



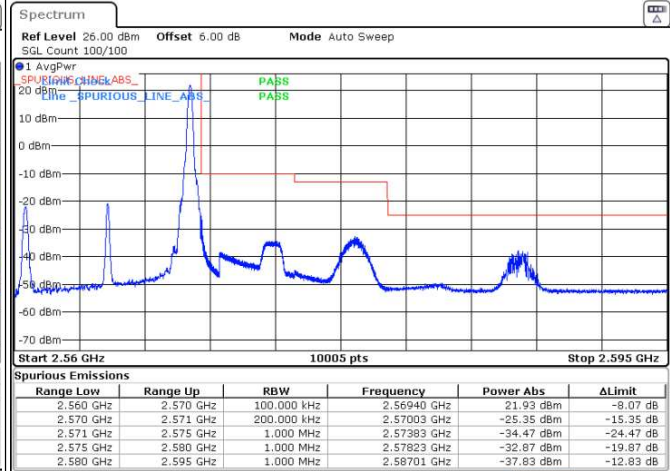


LTE Band 7 / 10MHz / QPSK

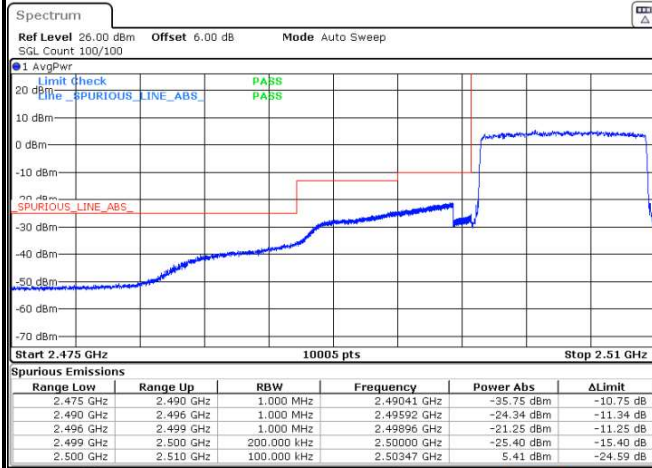
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

