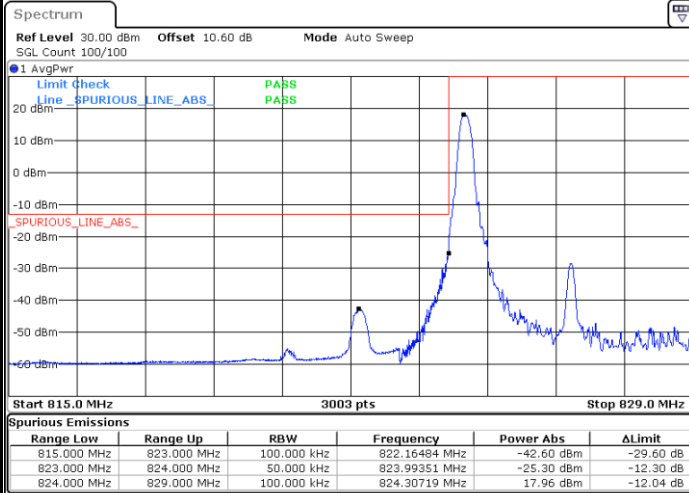


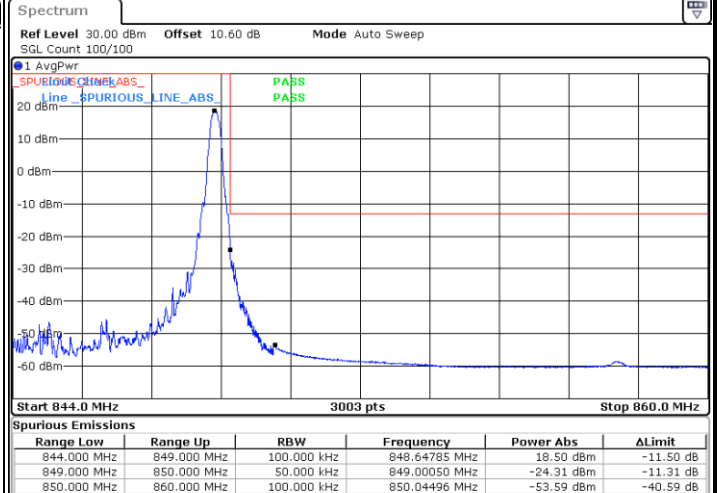


LTE Band 5 / 5MHz / 16QAM

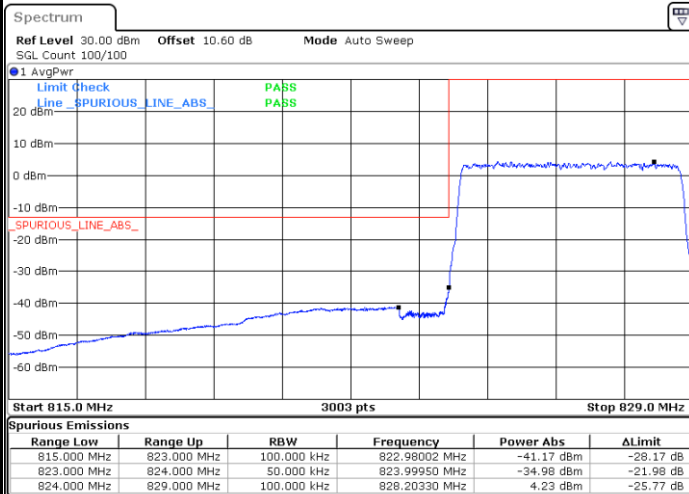
Lowest Band Edge / 1RB



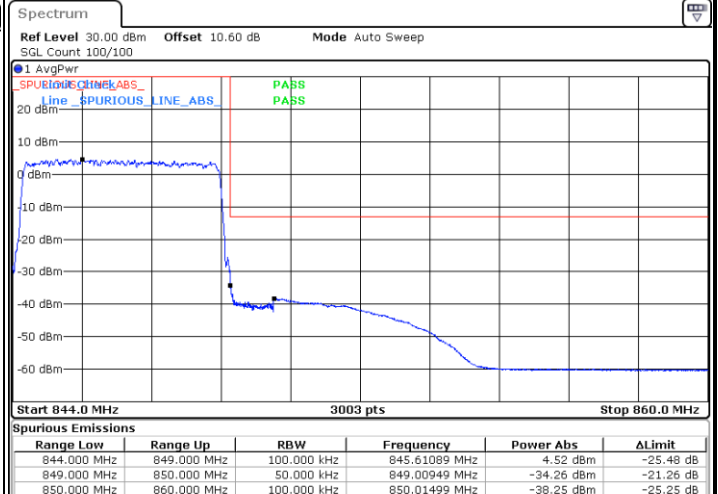
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



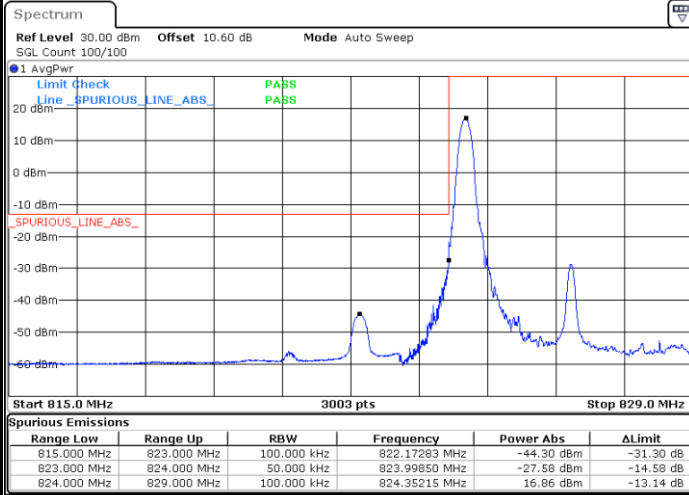
Highest Band Edge / Full RB



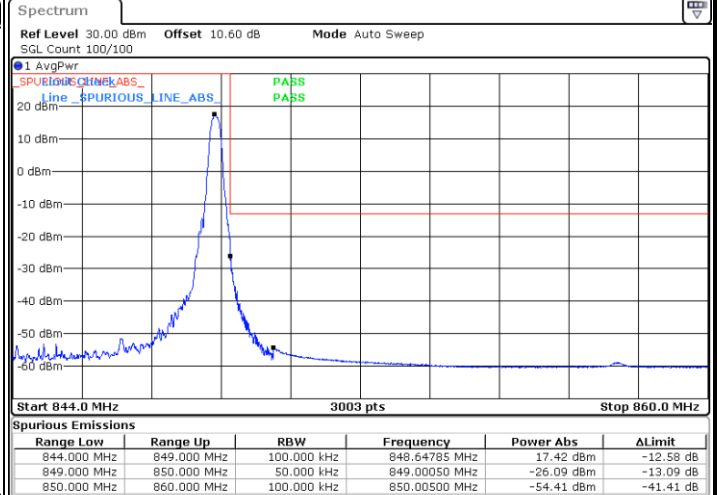


LTE Band 5 / 5MHz / 64QAM

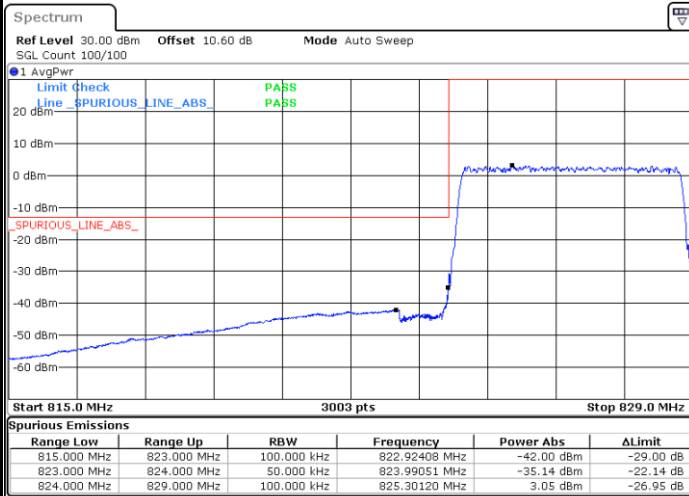
Lowest Band Edge / 1RB



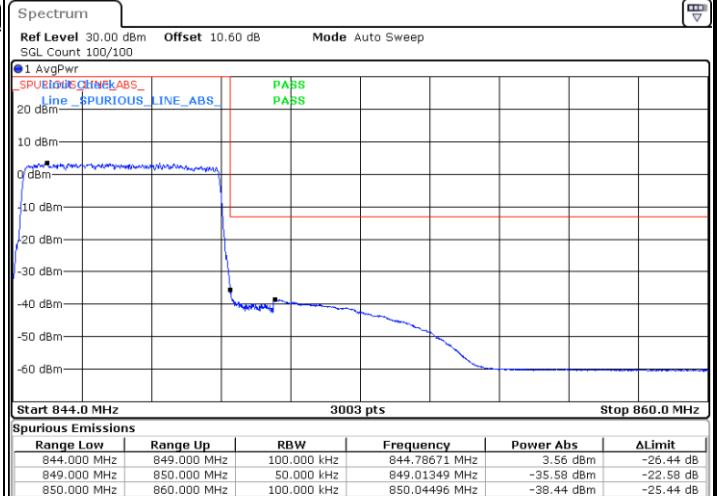
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



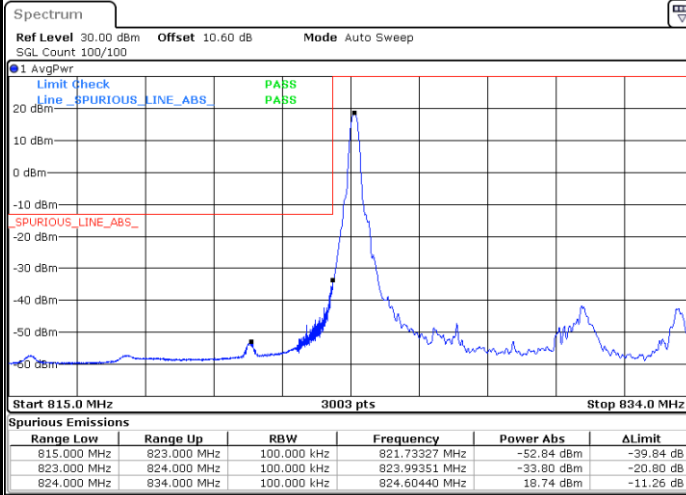
Highest Band Edge / Full RB



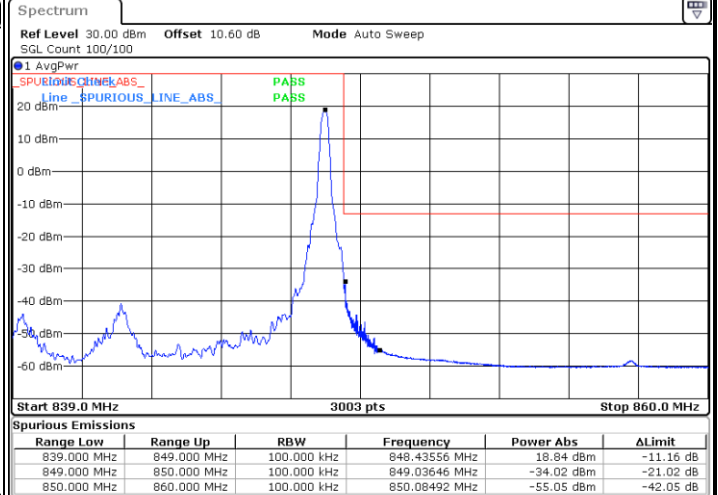


LTE Band 5 / 10MHz / QPSK

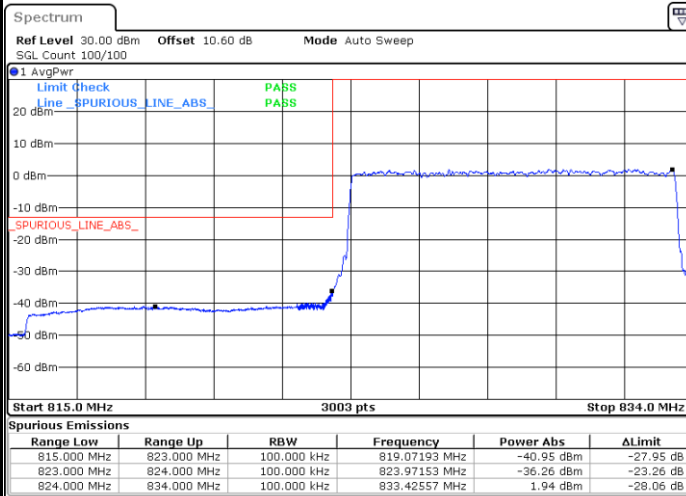
Lowest Band Edge / 1 RB



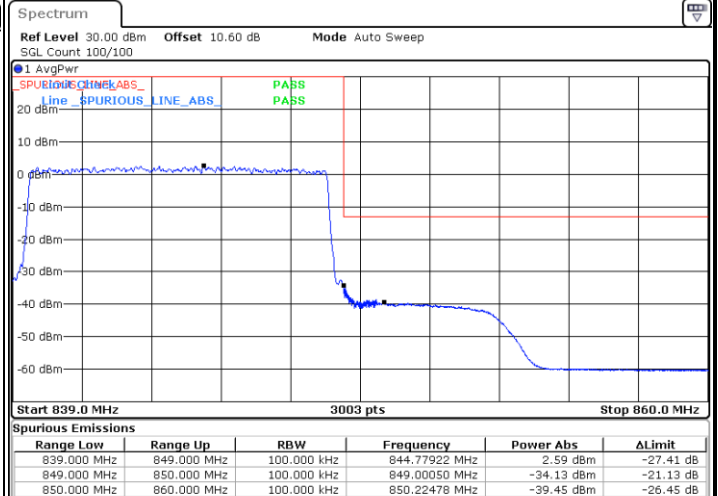
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



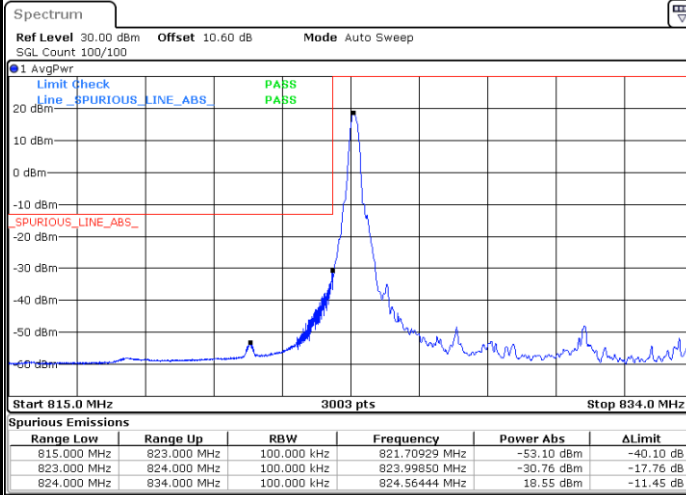
Highest Band Edge / Full RB



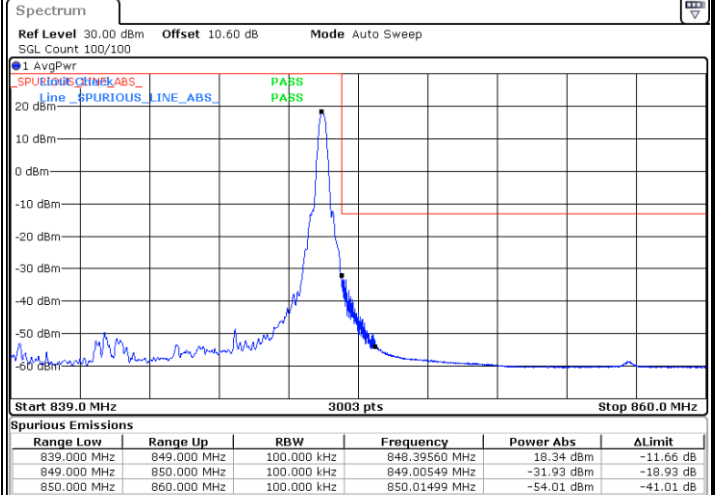


LTE Band 5 / 10MHz / 16QAM

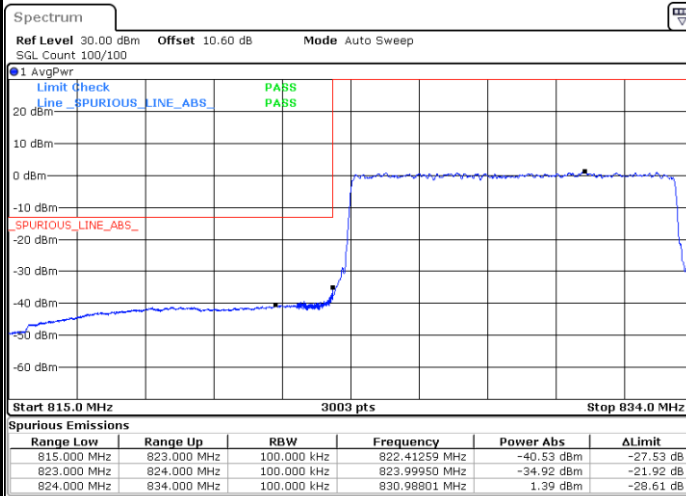
Lowest Band Edge / 1 RB



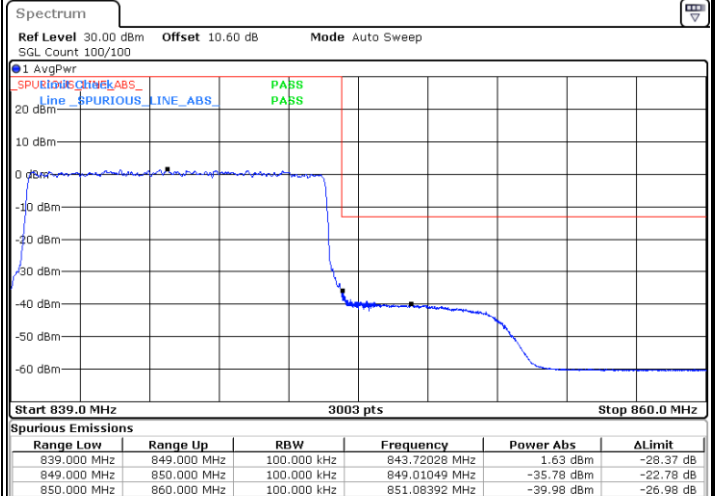
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



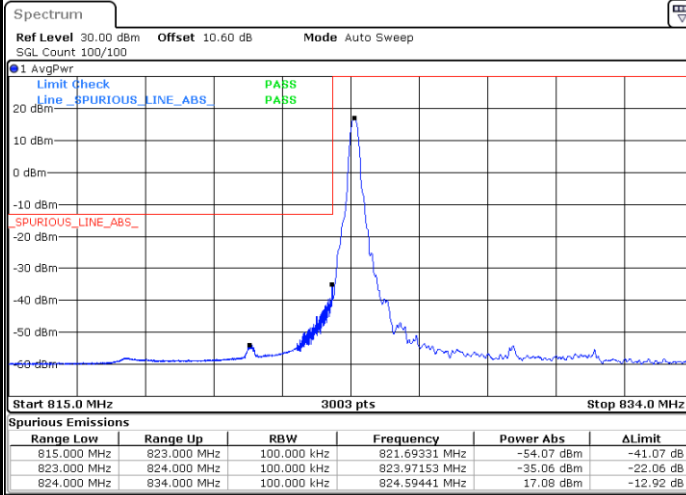
Highest Band Edge / Full RB



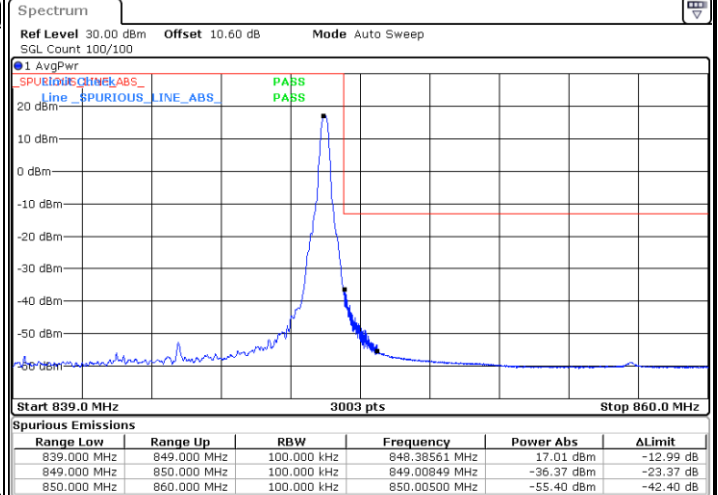


LTE Band 5 / 10MHz / 64QAM

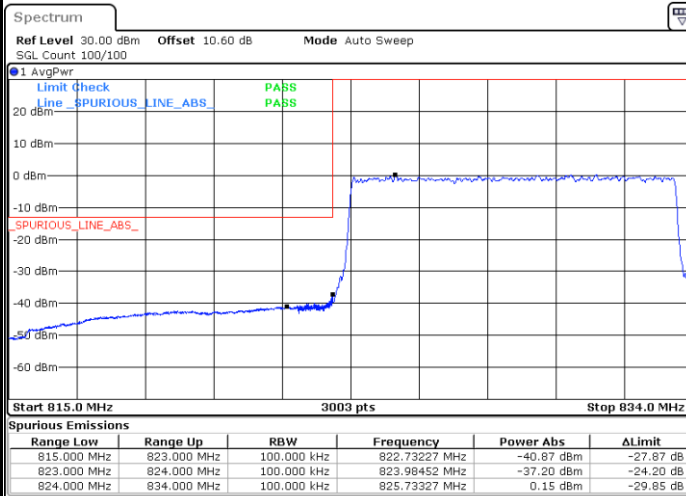
Lowest Band Edge / 1 RB



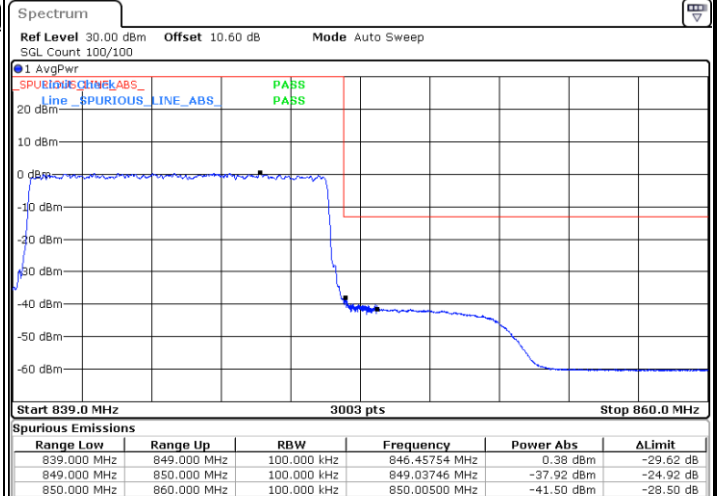
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

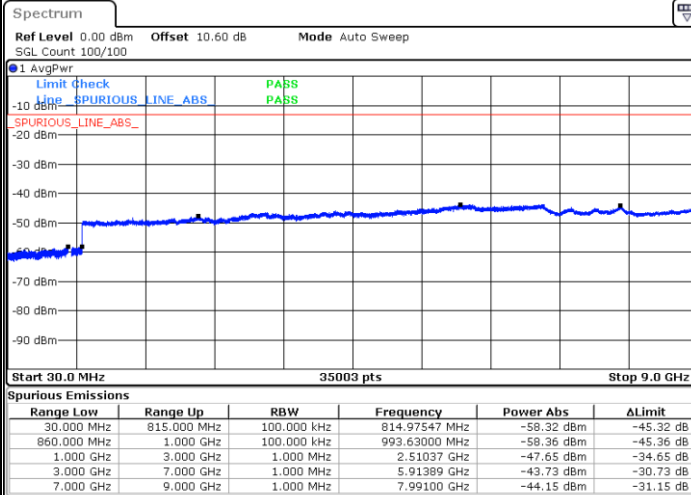




Conducted Spurious Emission

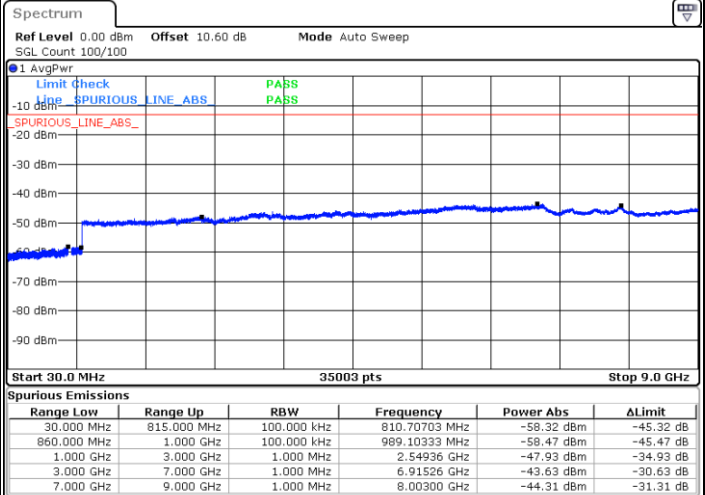
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



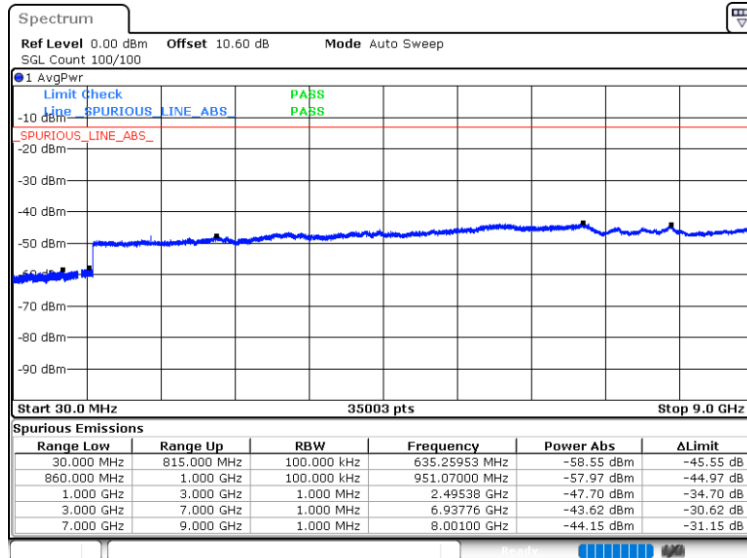
Date: 18.MAY.2021 11:16:31

Middle Channel / QPSK



Date: 18.MAY.2021 11:18:35

Highest Channel / QPSK

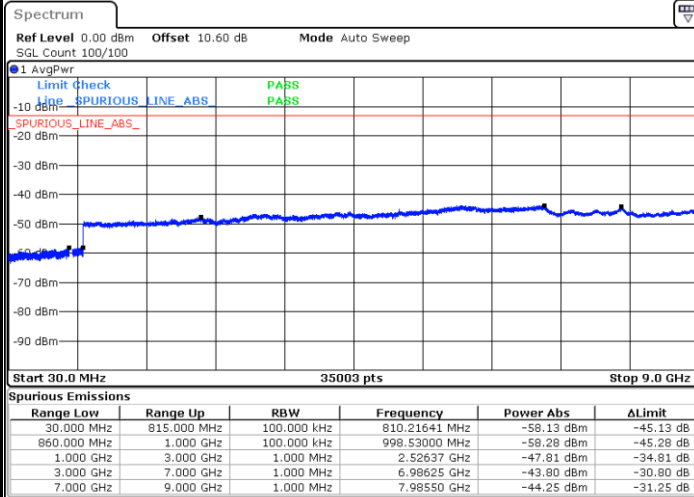


Date: 18.MAY.2021 11:26:34



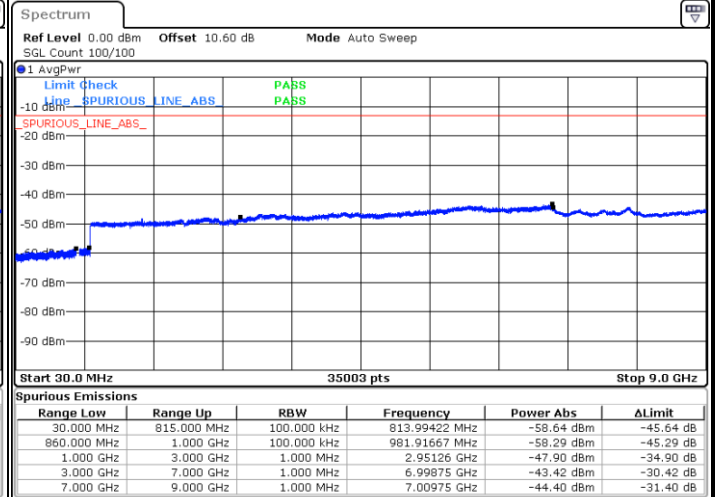
LTE Band 5 / 3MHz

Lowest Channel / QPSK



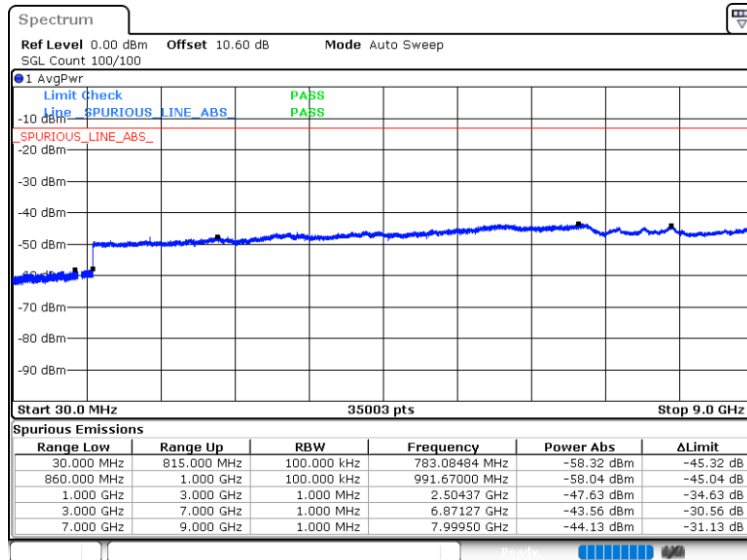
Date: 18.MAY.2021 11:42:42

Middle Channel / QPSK



Date: 18.MAY.2021 11:44:45

Highest Channel / QPSK

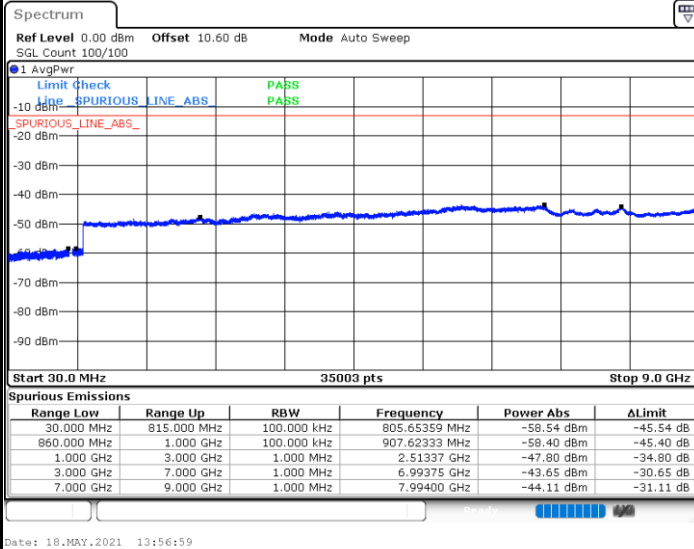


Date: 18.MAY.2021 13:40:49

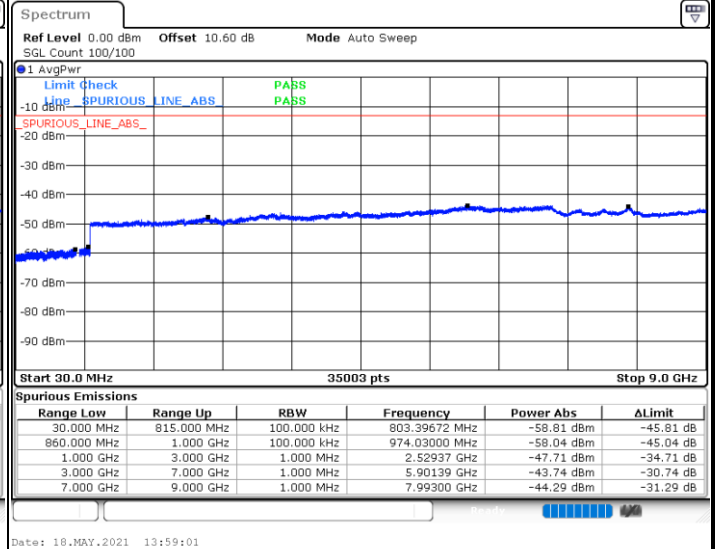


LTE Band 5 / 5MHz

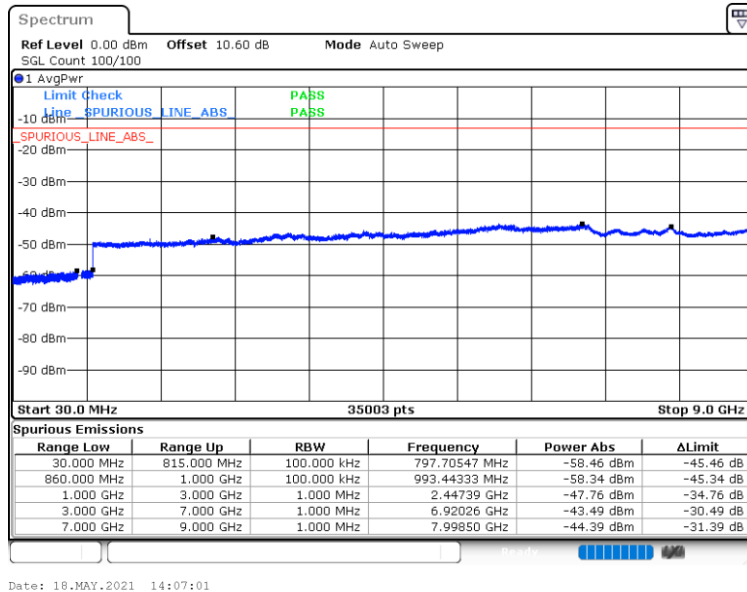
Lowest Channel / QPSK



Middle Channel / QPSK



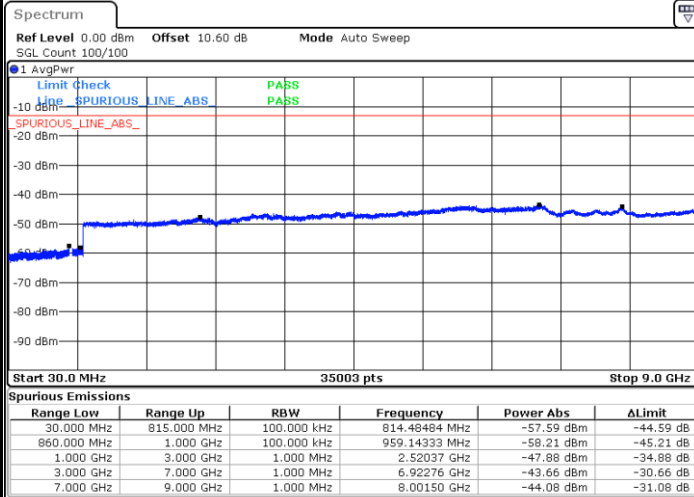
Highest Channel / QPSK





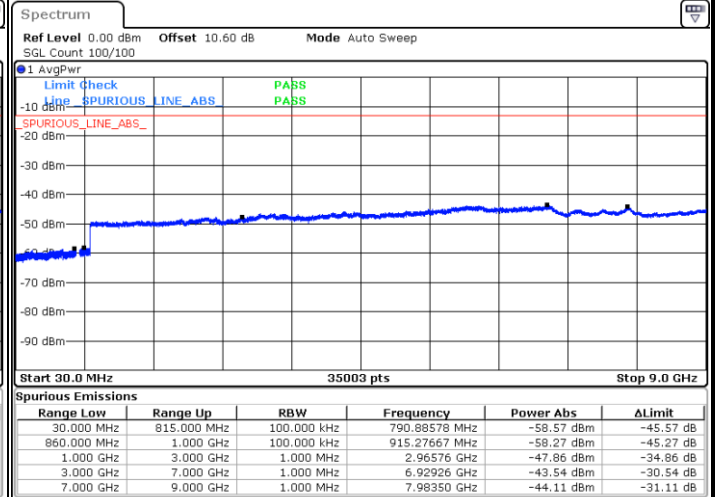
LTE Band 5 / 10MHz

Lowest Channel / QPSK



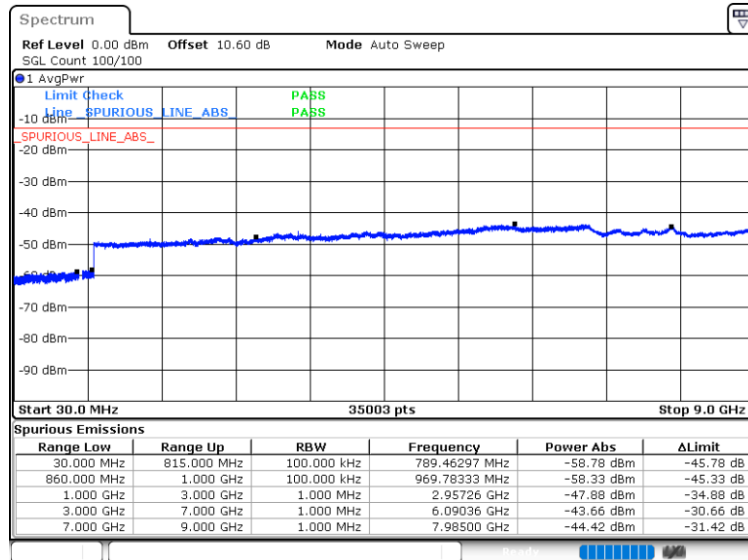
Date: 18.MAY.2021 14:23:11

Middle Channel / QPSK



Date: 18.MAY.2021 14:25:13

Highest Channel / QPSK



Date: 18.MAY.2021 14:33:13

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0093	
30	Normal Voltage	0.0043	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0175	
-20	Normal Voltage	0.0109	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0090	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0073	

Note:

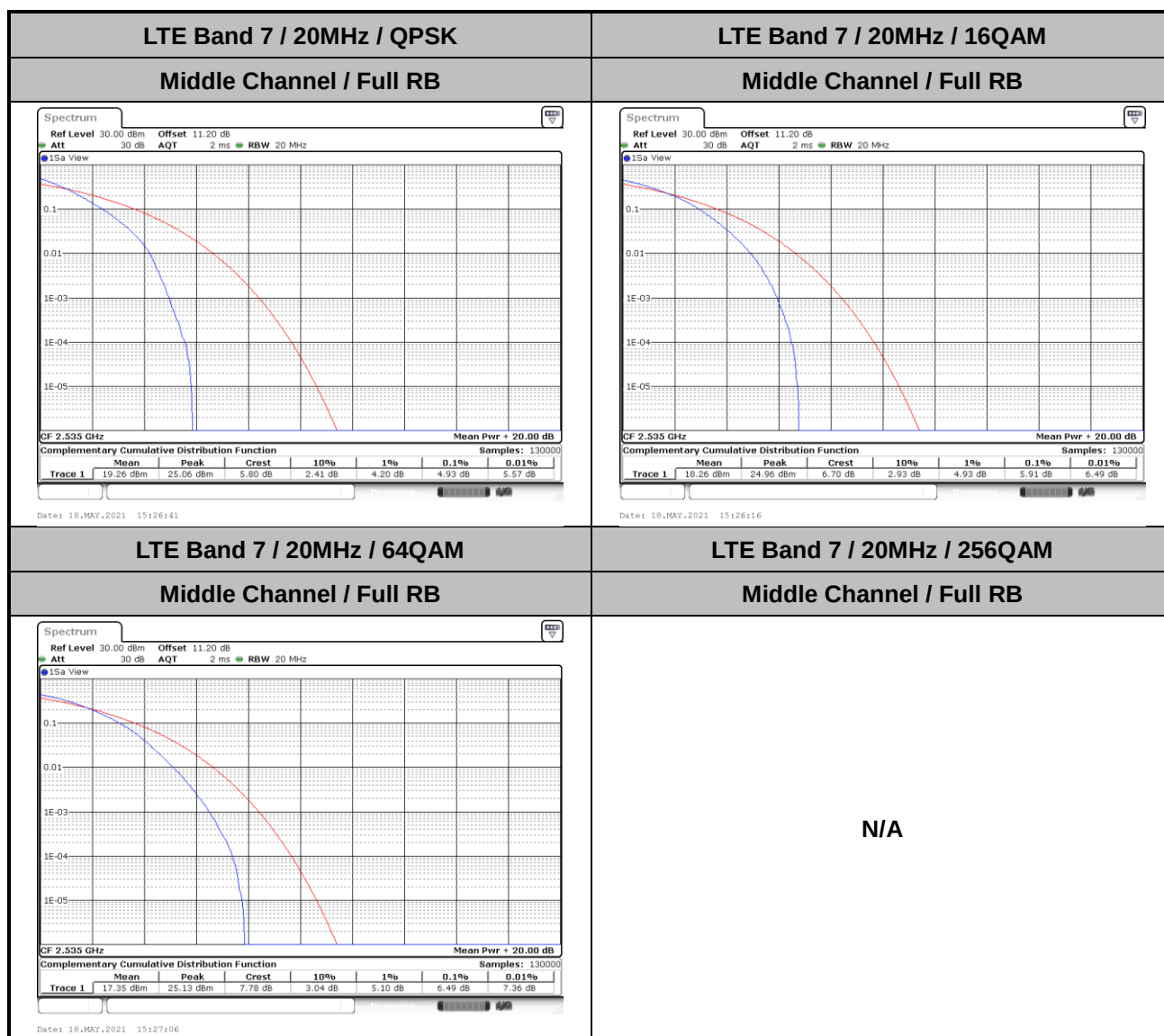
1. Normal Voltage =14 V. ; Battery End Point (BEP) =12 V. ; Maximum Voltage =16 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.93	5.91	6.49	-	PASS



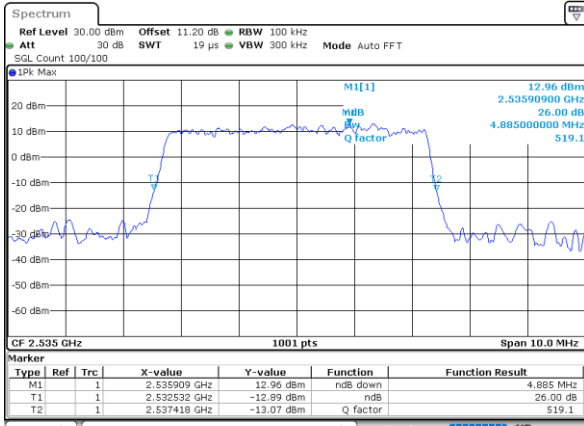
**26dB Bandwidth**

Mode	LTE Band 7 : 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	-	-	-	-	4.89	4.87	9.87	9.67	14.12	14.36	19.10	18.86
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	4.89	-	9.75	-	14.42	-	18.82	-



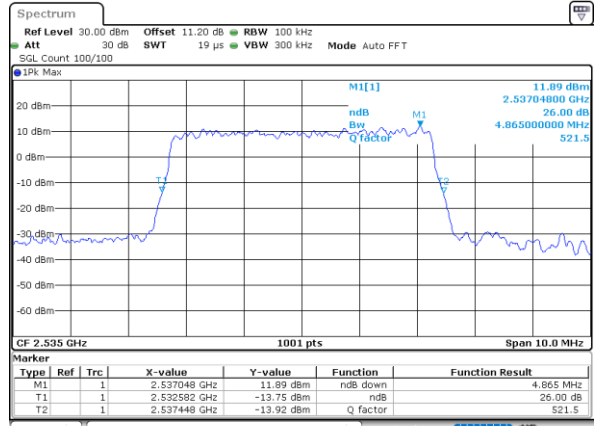
LTE Band 7

Middle Channel / 5MHz / QPSK



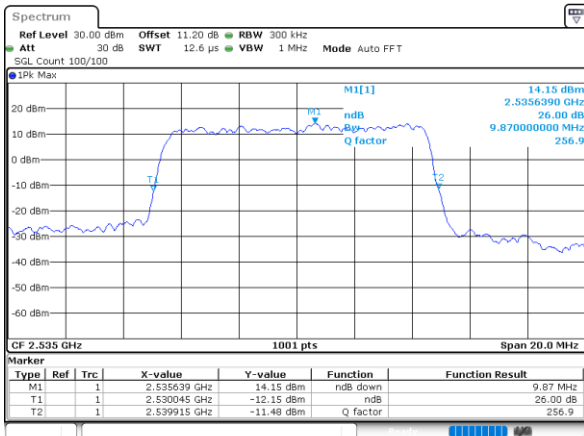
Date: 18.MAY.2021 14:47:10

Middle Channel / 5MHz / 16QAM



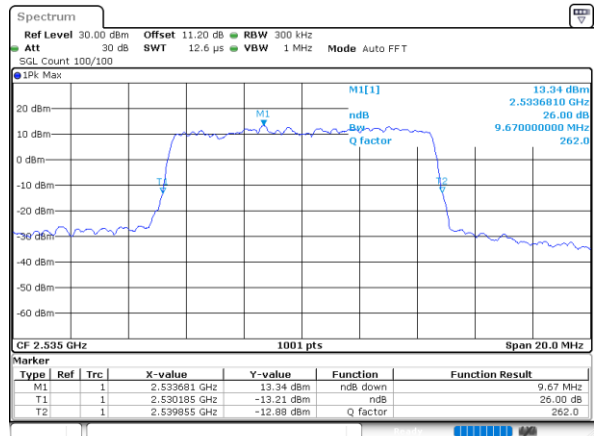
Date: 18.MAY.2021 14:48:01

Middle Channel / 10MHz / QPSK



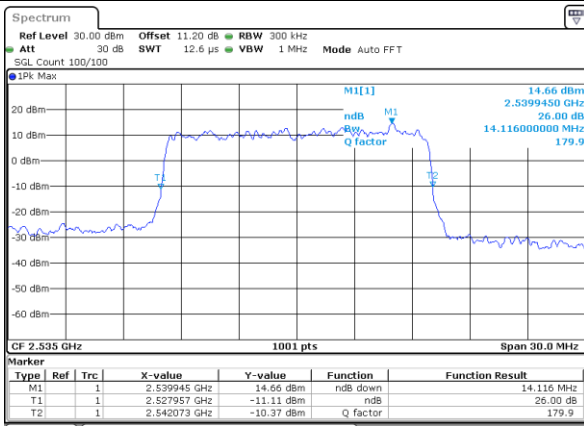
Date: 18.MAY.2021 14:58:10

Middle Channel / 10MHz / 16QAM



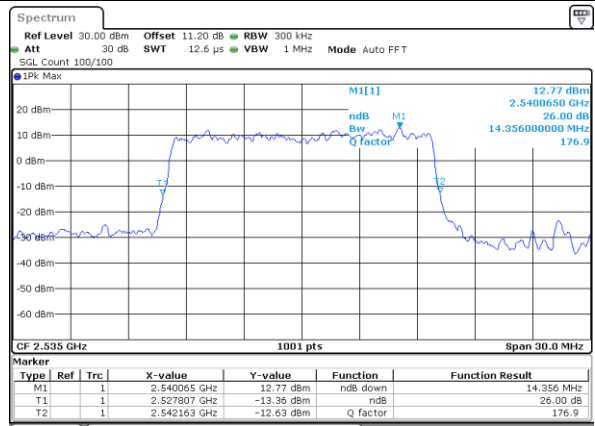
Date: 18.MAY.2021 14:58:31

Middle Channel / 15MHz / QPSK



Date: 18.MAY.2021 15:08:42

Middle Channel / 15MHz / 16QAM

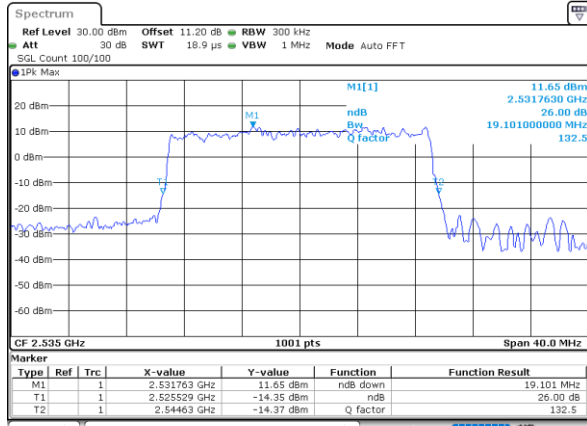


Date: 18.MAY.2021 15:09:03



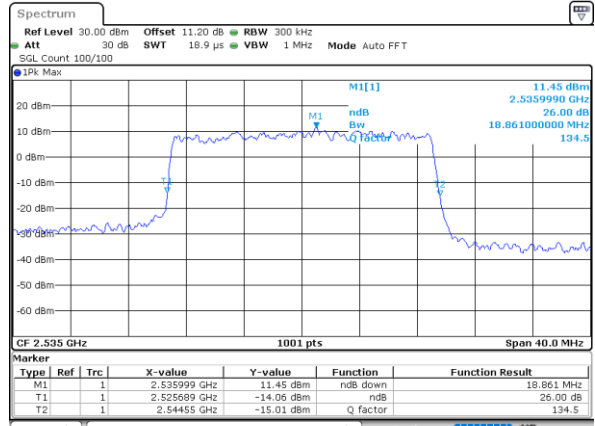
LTE Band 7

Middle Channel / 20MHz / QPSK



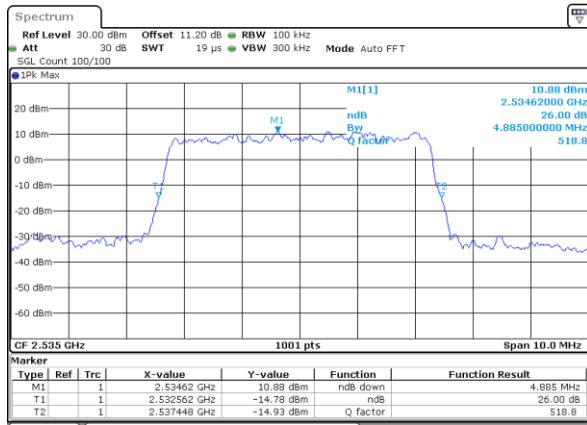
Date: 18.MAY.2021 15:19:17

Middle Channel / 20MHz / 16QAM



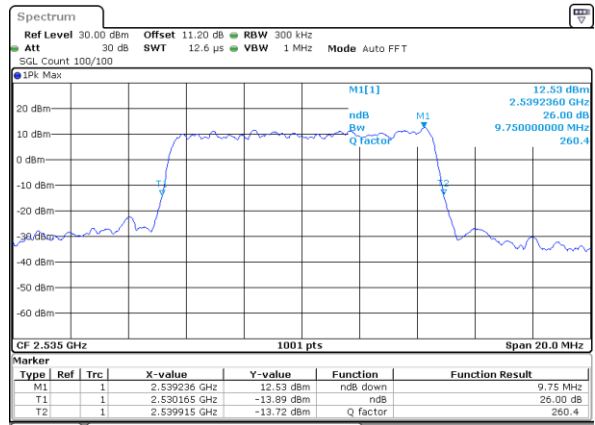
Date: 18.MAY.2021 15:19:38

Middle Channel / 5MHz / 64QAM



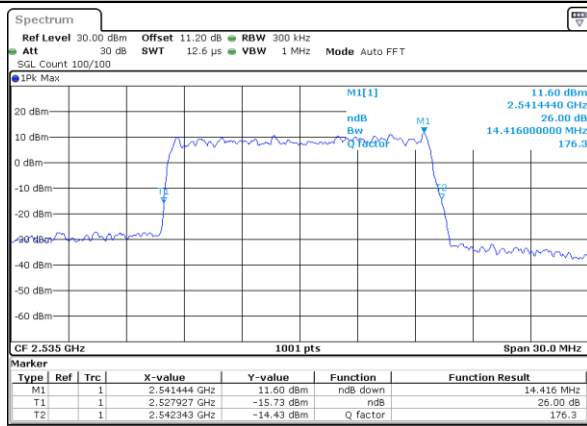
Date: 18.MAY.2021 14:53:25

Middle Channel / 10MHz / 64QAM



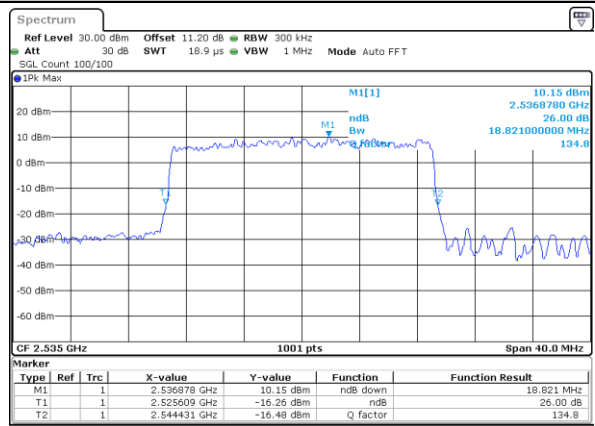
Date: 18.MAY.2021 15:03:54

Middle Channel / 15MHz / 64QAM



Date: 18.MAY.2021 15:14:27

Middle Channel / 20MHz / 64QAM



Date: 18.MAY.2021 15:25:01

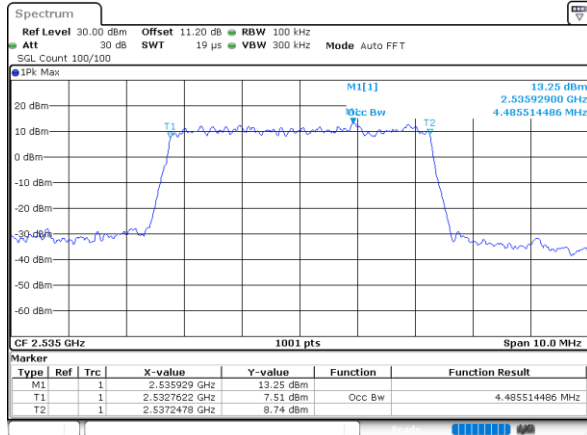
**Occupied Bandwidth**

Mode	LTE Band 7 : 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	-	-	-	-	4.49	4.50	9.07	9.05	13.40	13.43	17.90	17.86
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	4.47	-	9.05	-	13.46	-	17.82	-

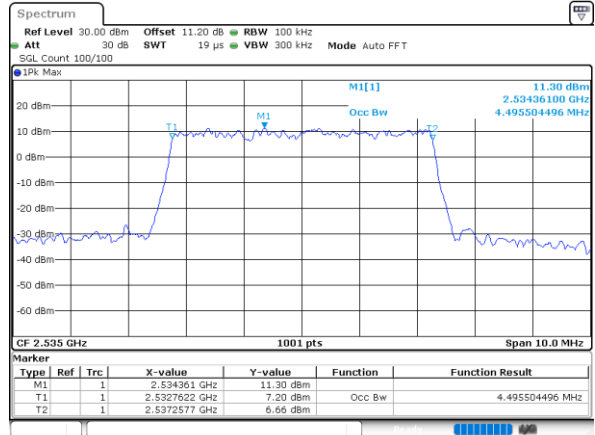


LTE Band 7

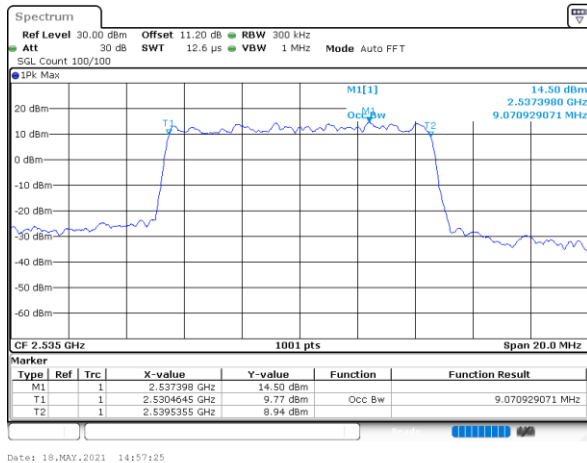
Middle Channel / 5MHz / QPSK



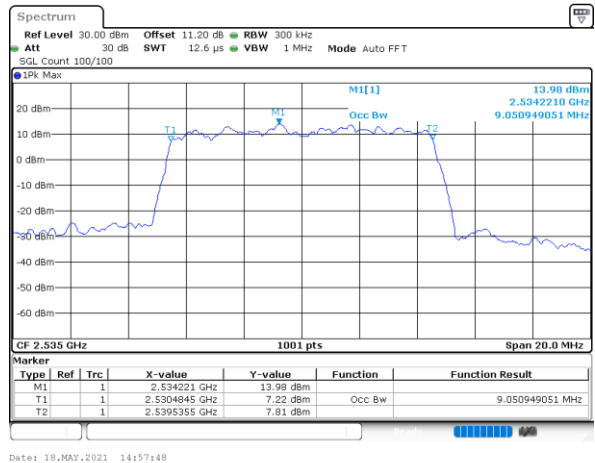
Middle Channel / 5MHz / 16QAM



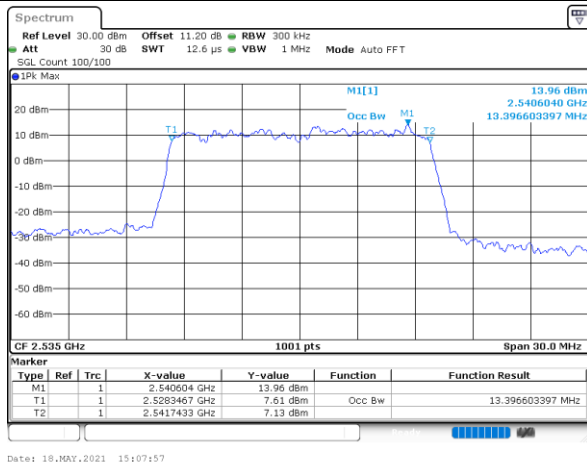
Middle Channel / 10MHz / QPSK



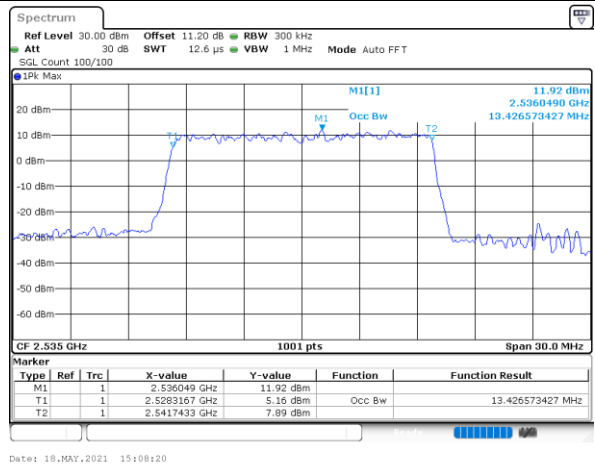
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



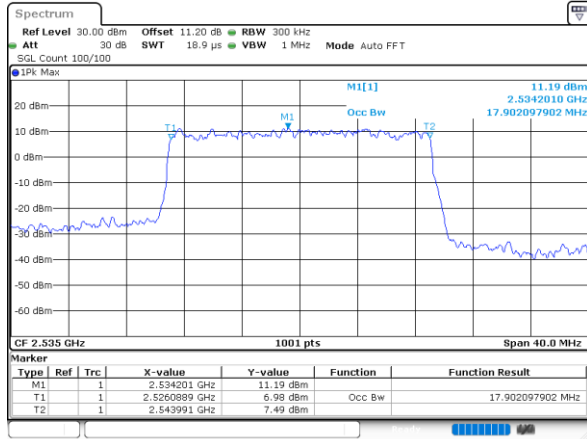
Middle Channel / 15MHz / 16QAM



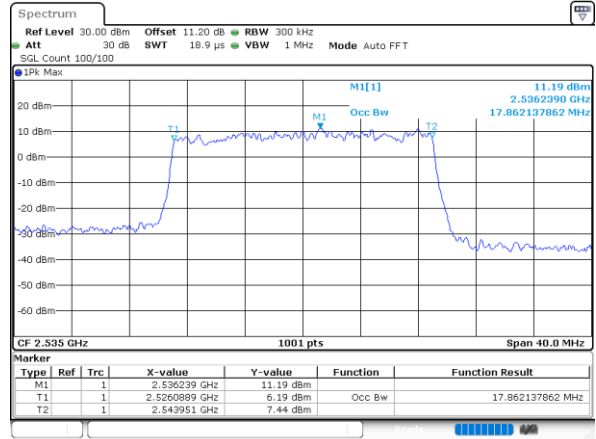


LTE Band 7

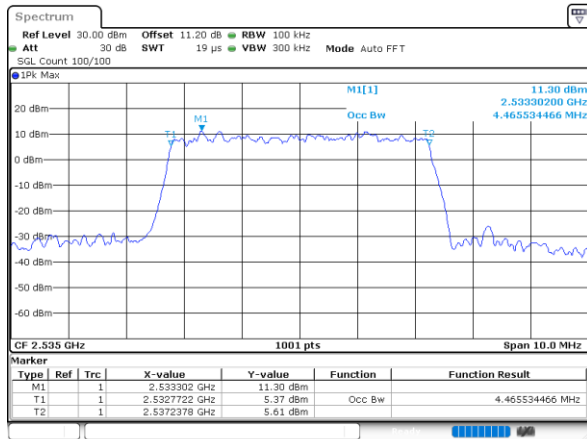
Middle Channel / 20MHz / QPSK



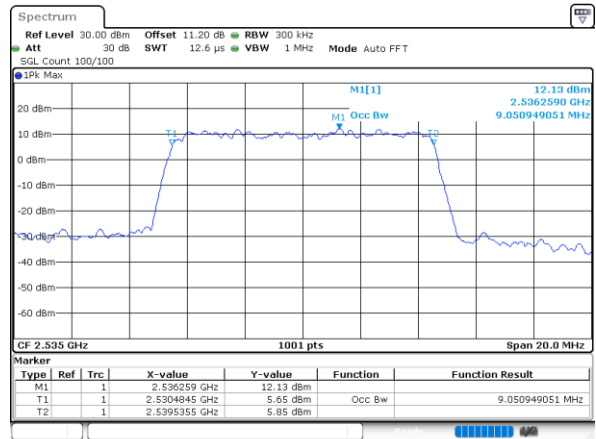
Middle Channel / 20MHz / 16QAM



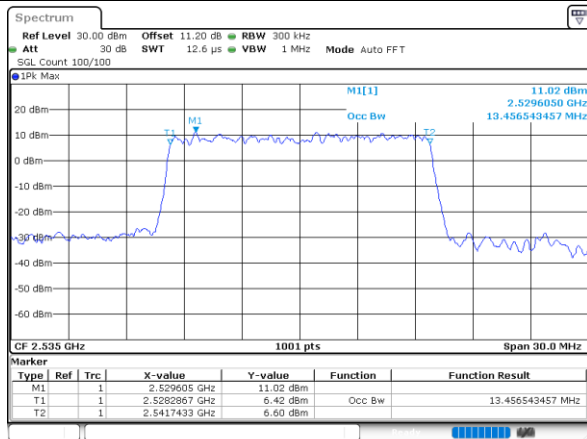
Middle Channel / 5MHz / 64QAM



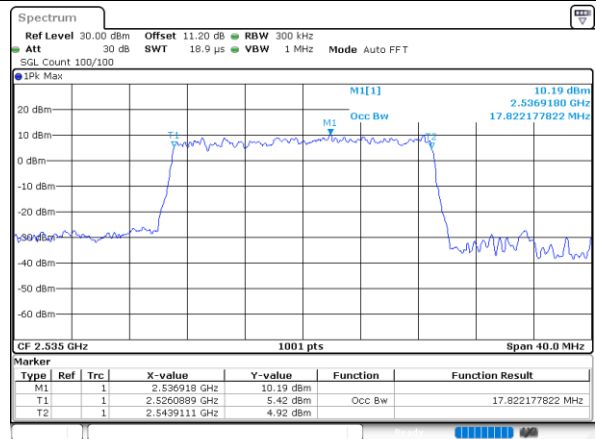
Middle Channel / 10MHz / 64QAM

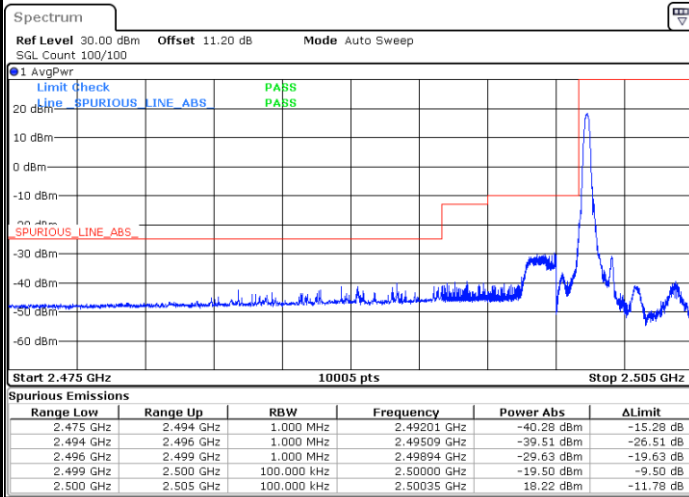


Middle Channel / 15MHz / 64QAM

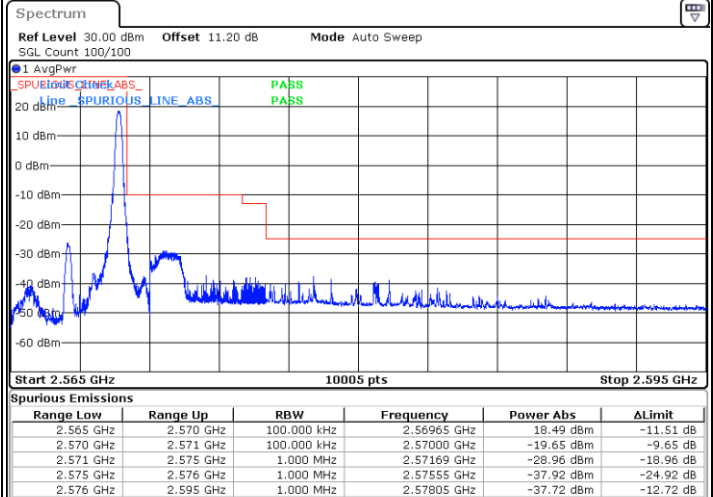


Middle Channel / 20MHz / 64QAM

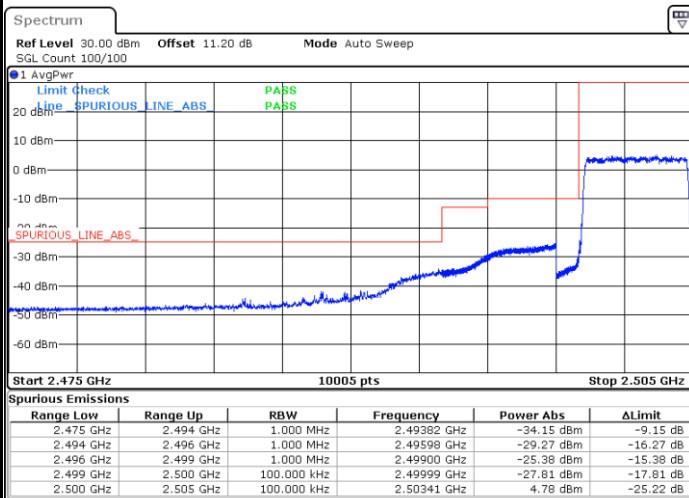


**Conducted Band Edge****LTE Band 7 / 5MHz / QPSK****Lowest Band Edge / 1 RB**

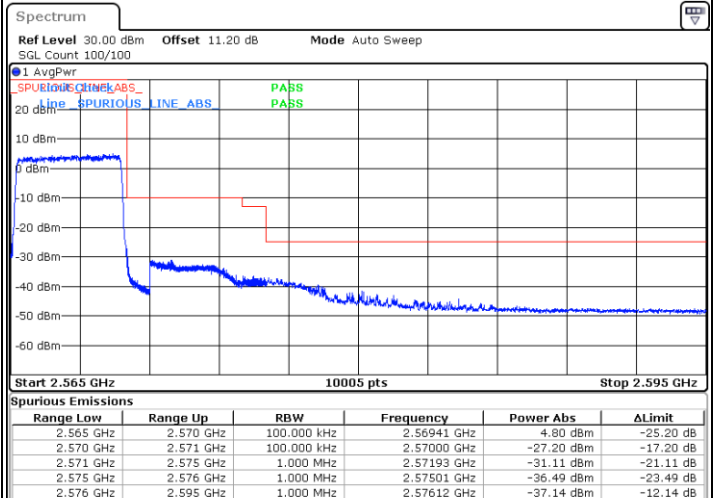
Date: 18.MAY.2021 14:44:11

Highest Band Edge / 1 RB

Date: 18.MAY.2021 14:49:26

Lowest Band Edge / Full RB

Date: 18.MAY.2021 14:45:06

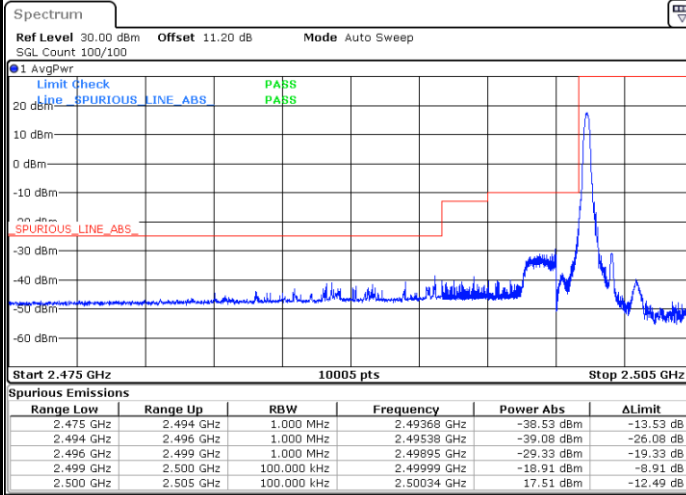
Highest Band Edge / Full RB

Date: 18.MAY.2021 14:50:19

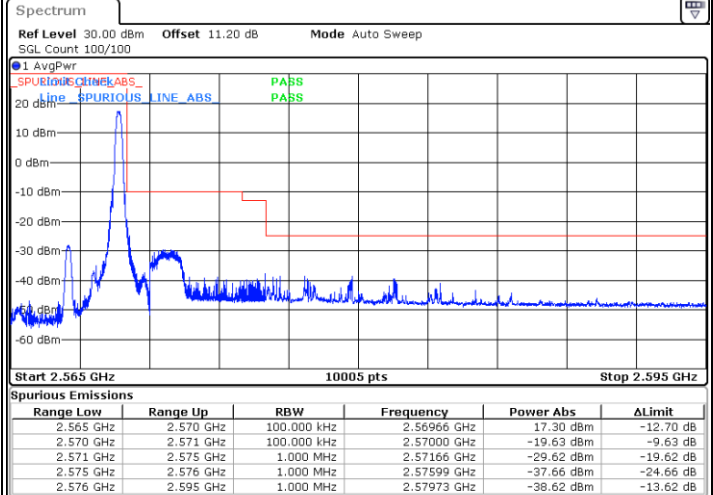


LTE Band 7 / 5MHz / 16QAM

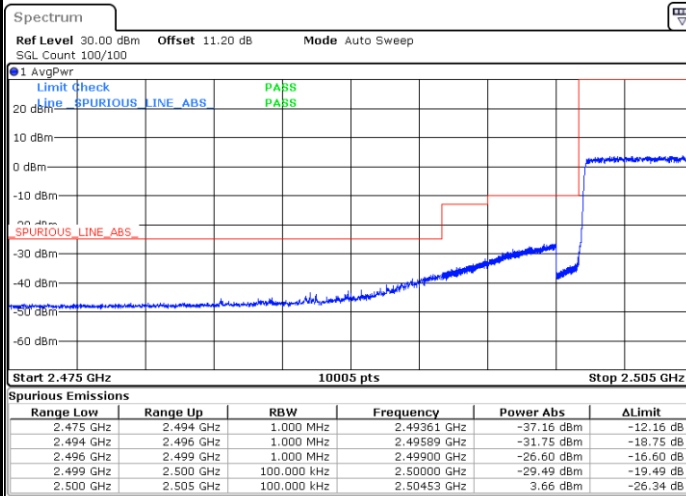
Lowest Band Edge / 1RB



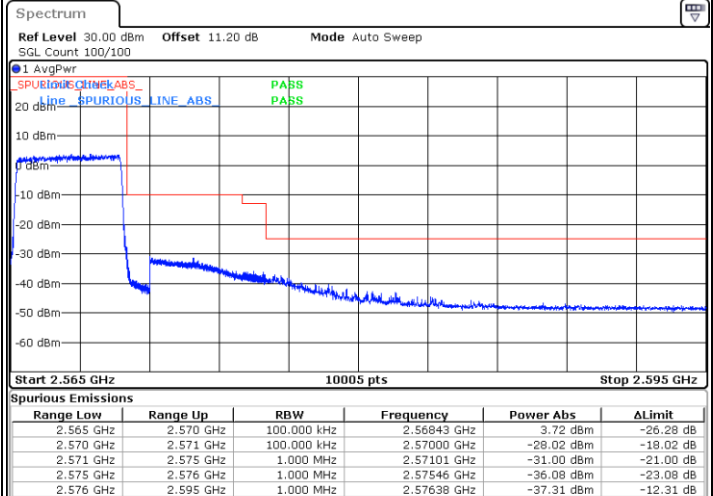
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



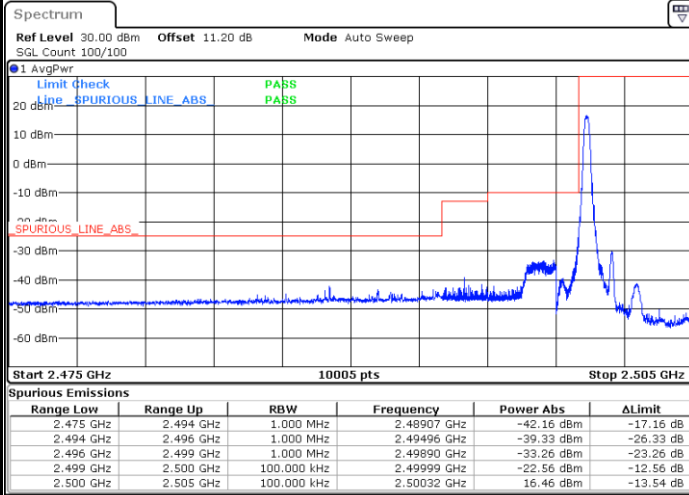
Highest Band Edge / Full RB



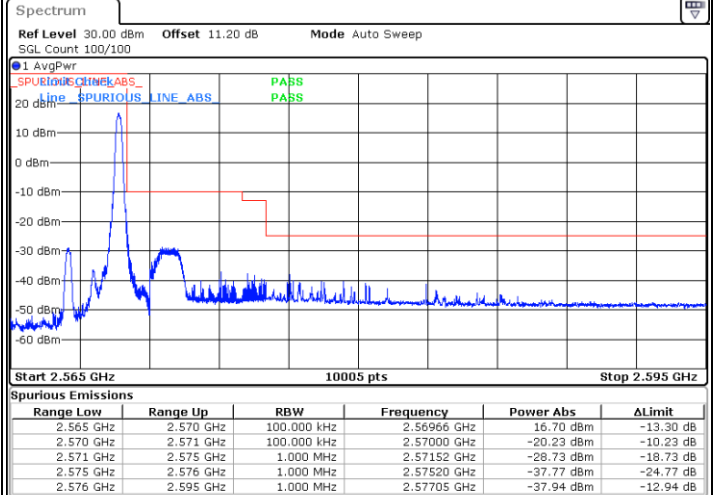


LTE Band 7 / 5MHz / 64QAM

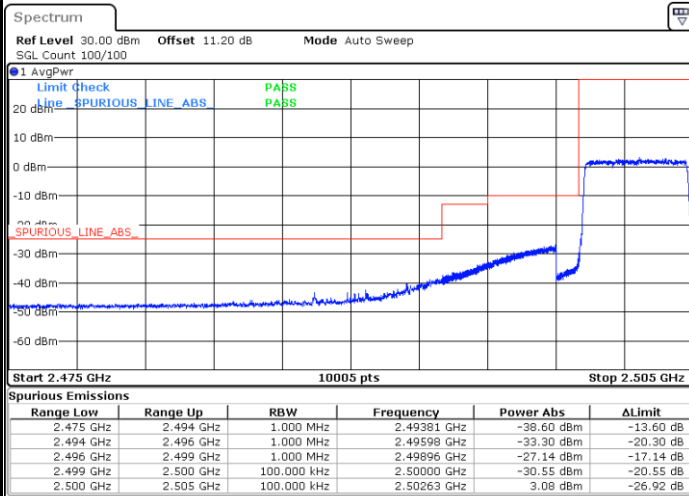
Lowest Band Edge / 1RB



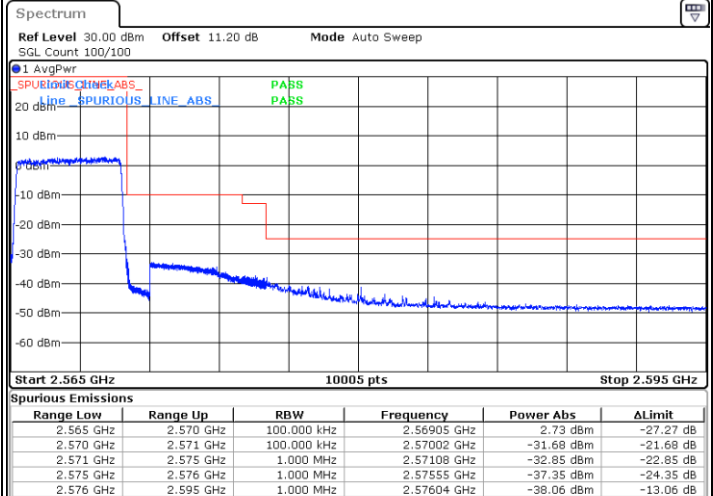
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



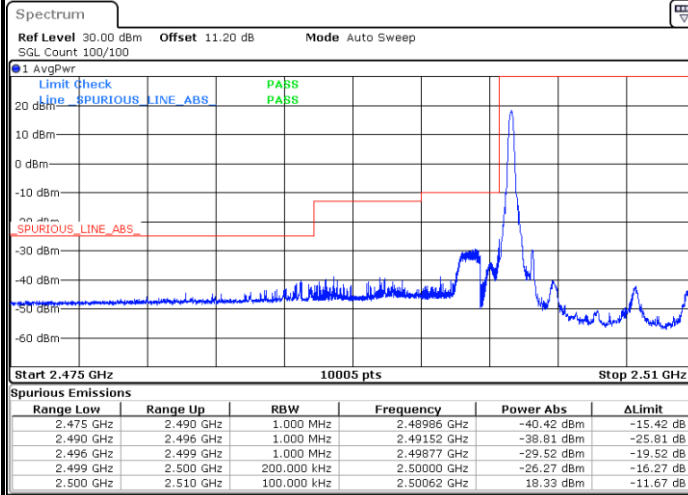
Highest Band Edge / Full RB





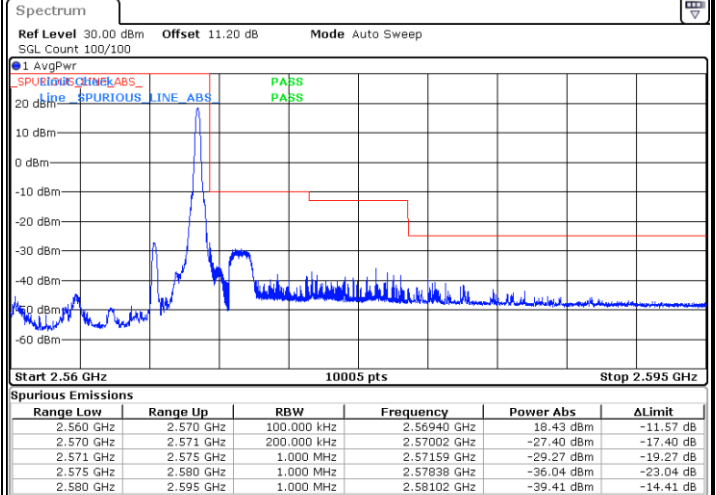
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



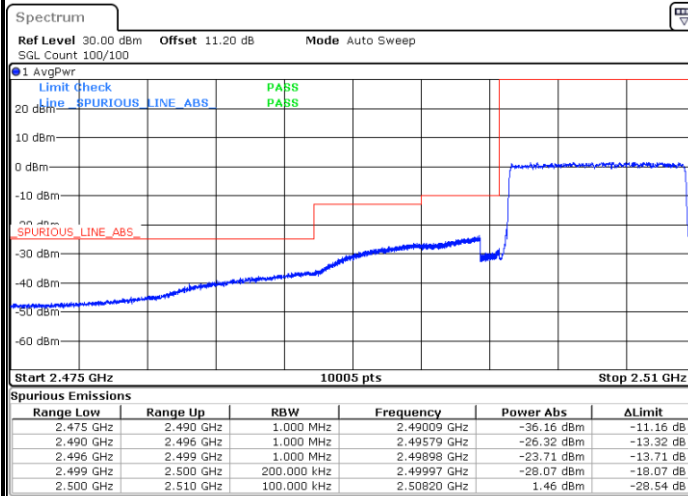
Date: 18.MAY.2021 14:54:43

Highest Band Edge / 1 RB



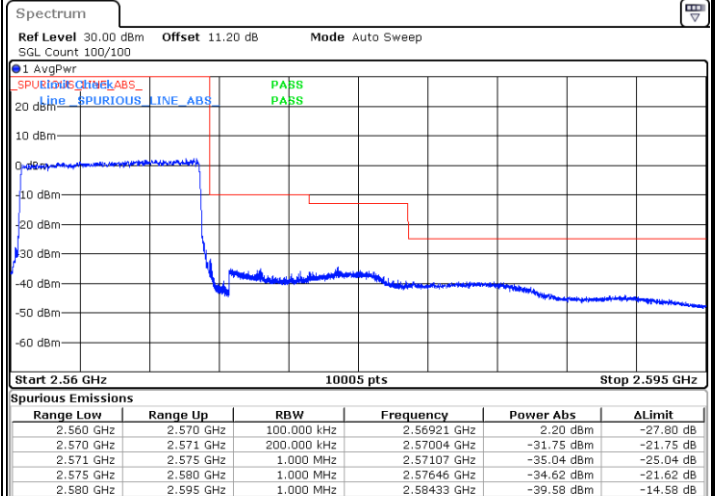
Date: 18.MAY.2021 14:59:56

Lowest Band Edge / Full RB



Date: 18.MAY.2021 14:55:37

Highest Band Edge / Full RB

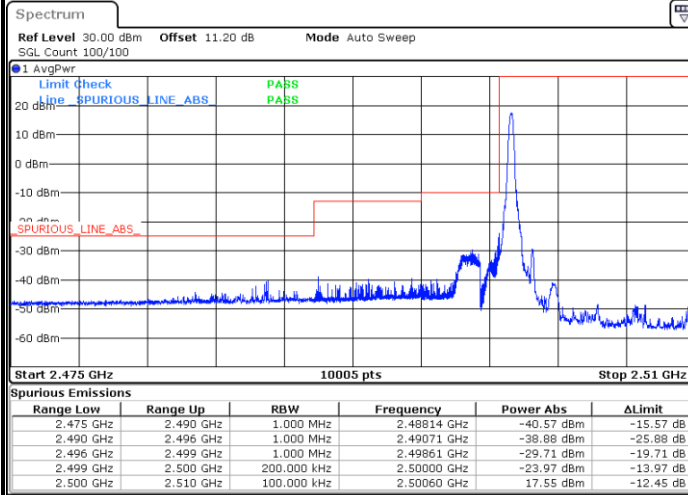


Date: 18.MAY.2021 15:00:49

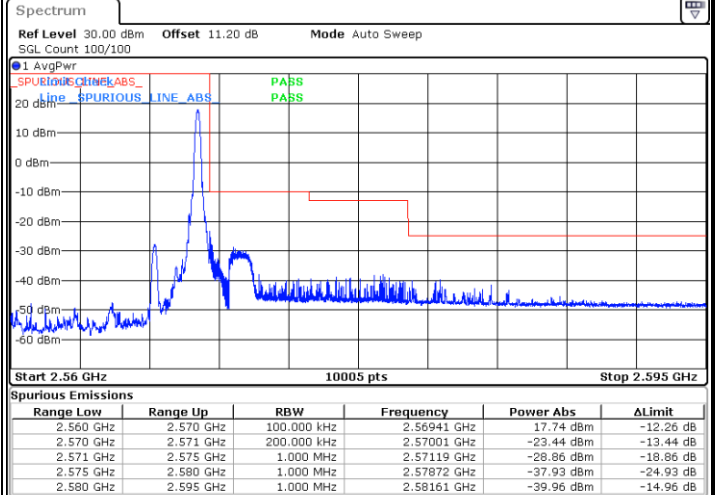


LTE Band 7 / 10MHz / 16QAM

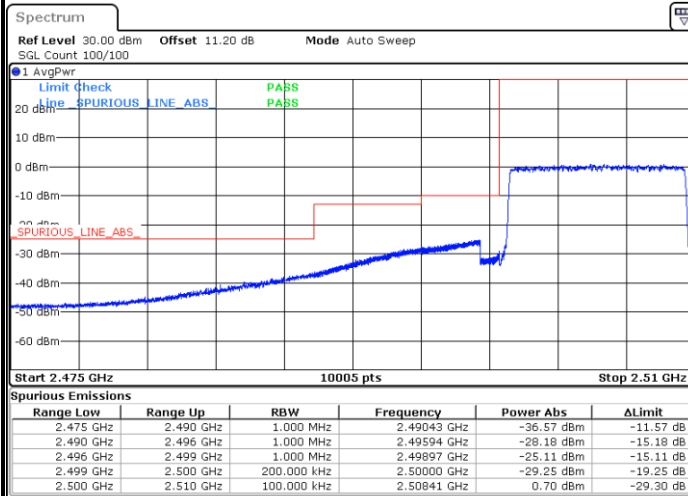
Lowest Band Edge / 1 RB



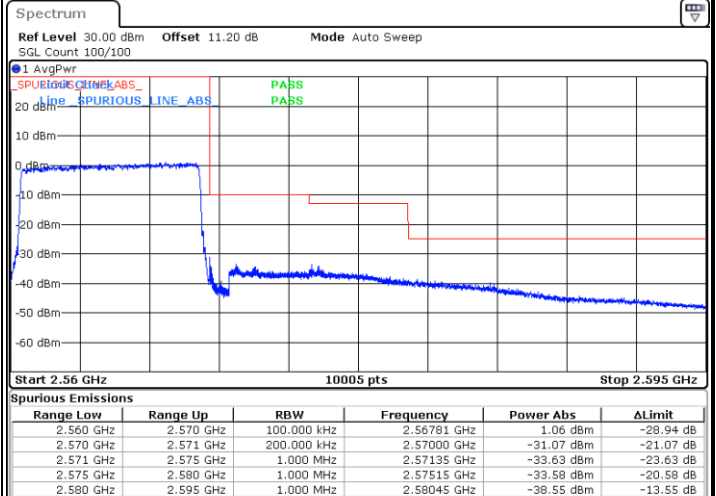
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



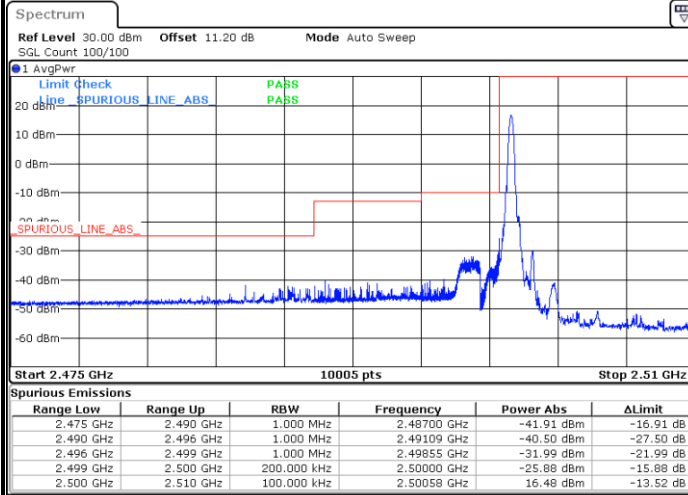
Highest Band Edge / Full RB



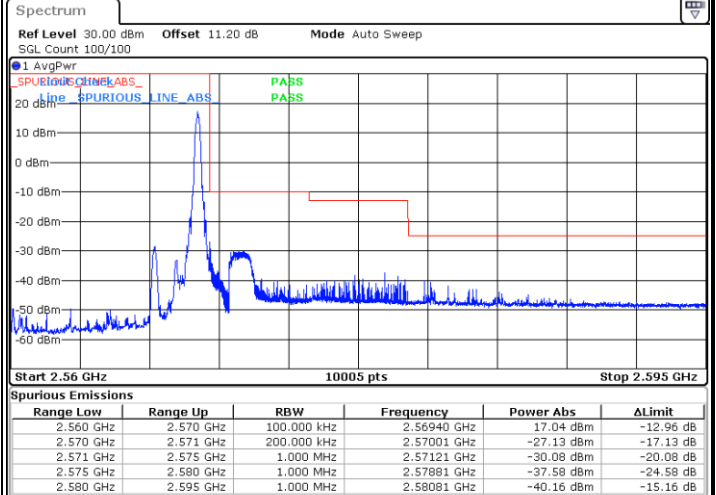


LTE Band 7 / 10MHz / 64QAM

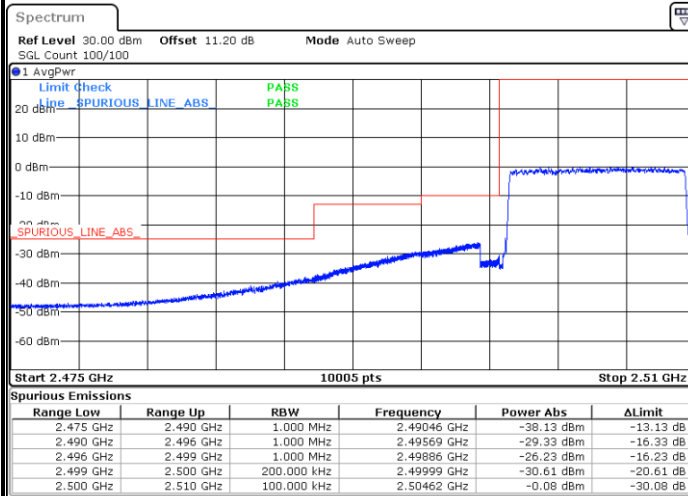
Lowest Band Edge / 1 RB



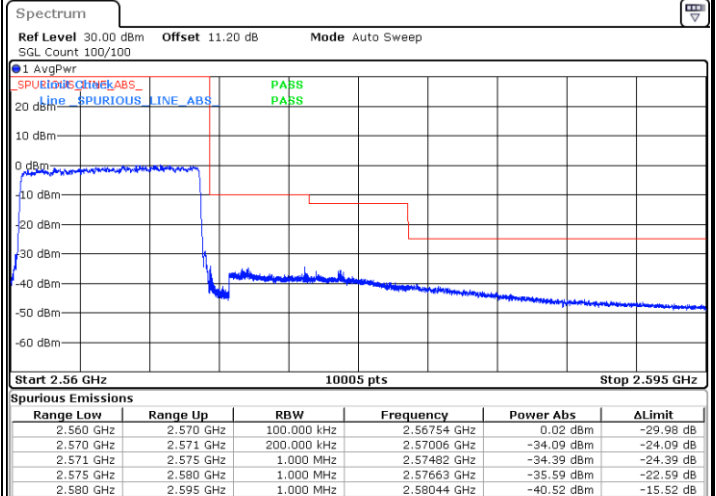
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



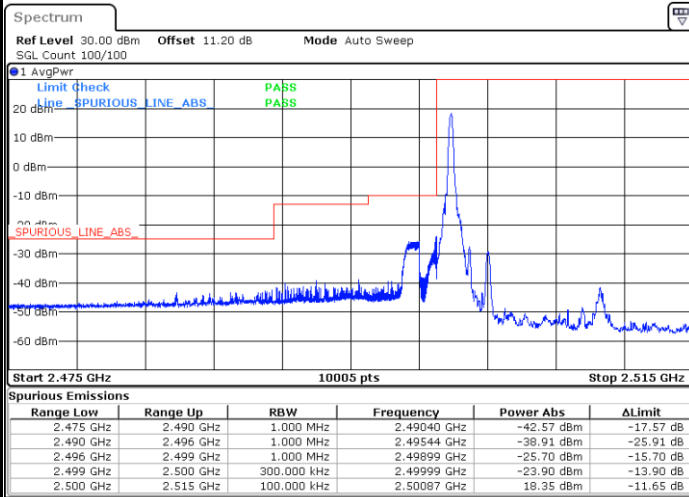
Highest Band Edge / Full RB



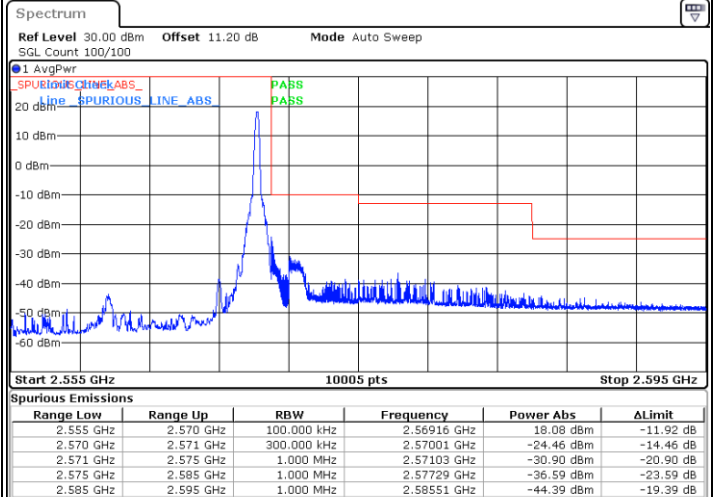


LTE Band 7 / 15MHz / QPSK

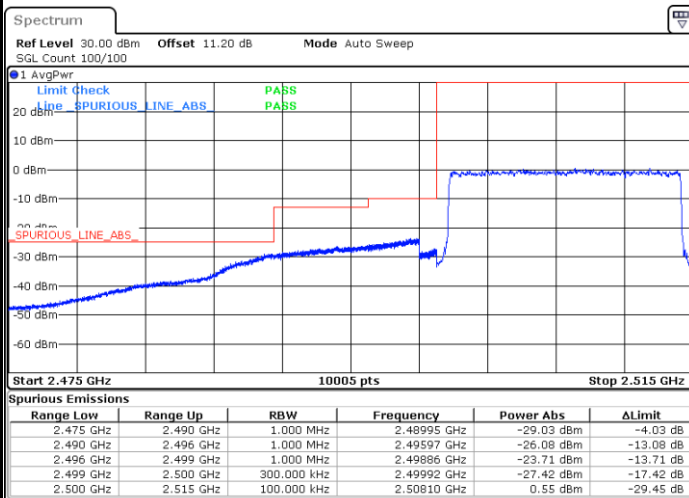
Lowest Band Edge / 1 RB



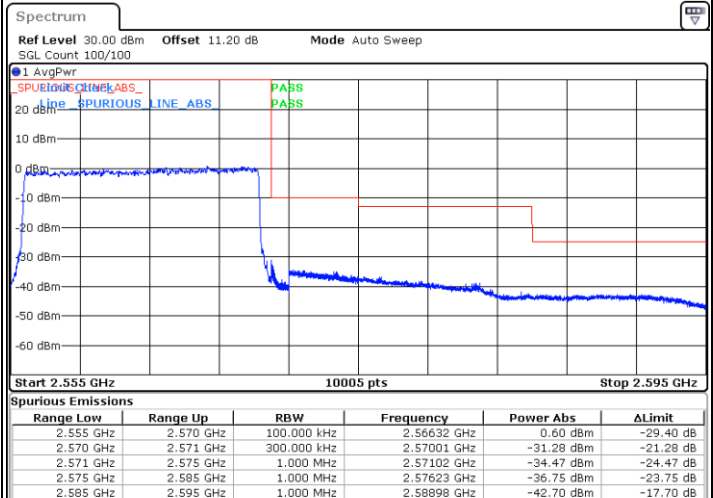
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



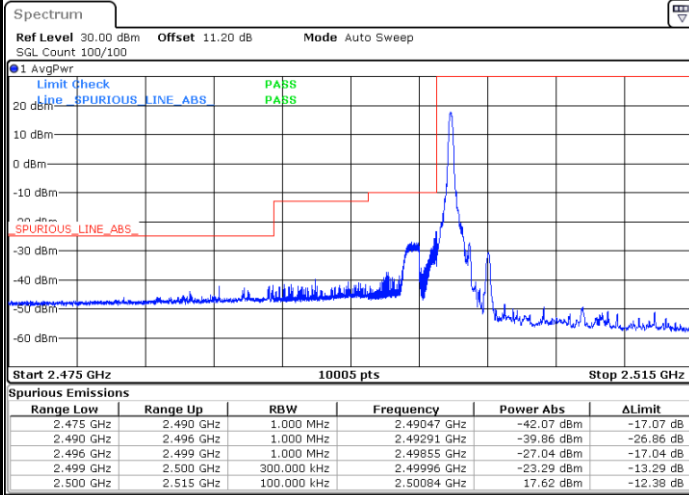
Highest Band Edge / Full RB



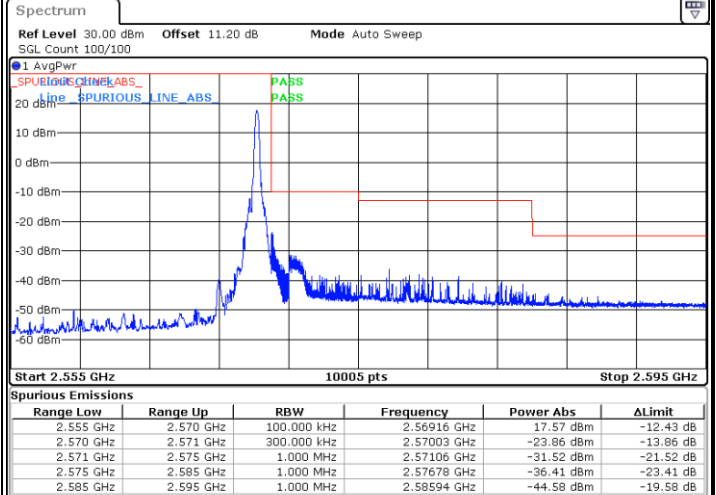


LTE Band 7 / 15MHz / 16QAM

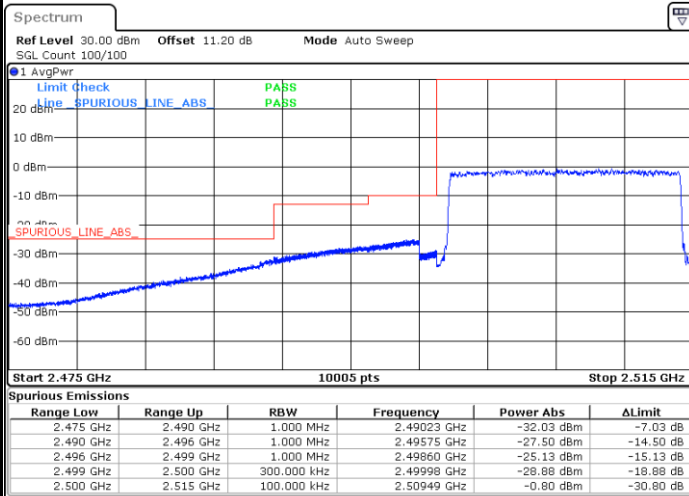
Lowest Band Edge / 1 RB



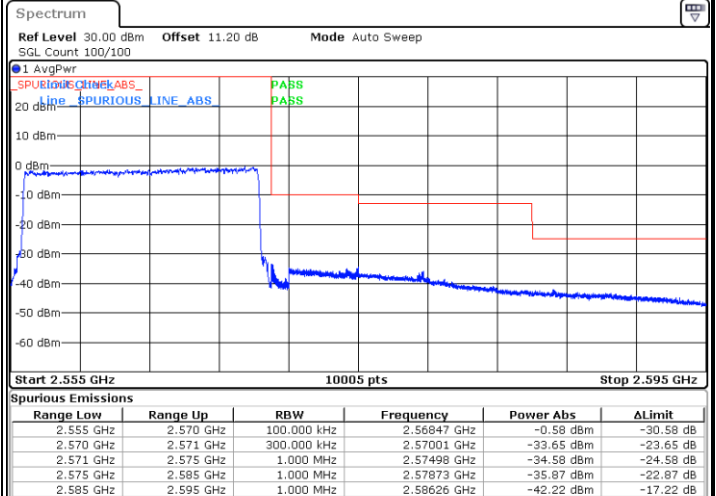
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



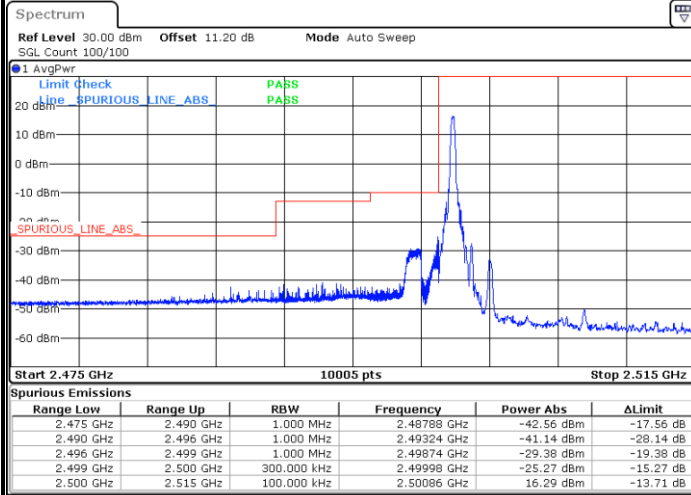
Highest Band Edge / Full RB



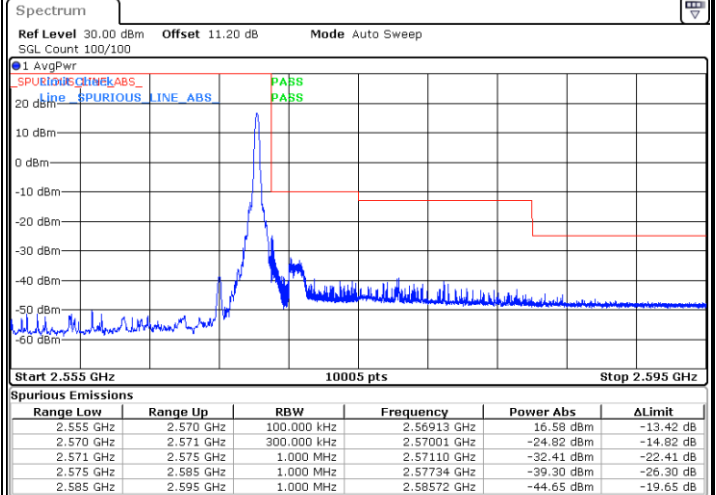


LTE Band 7 / 15MHz / 64QAM

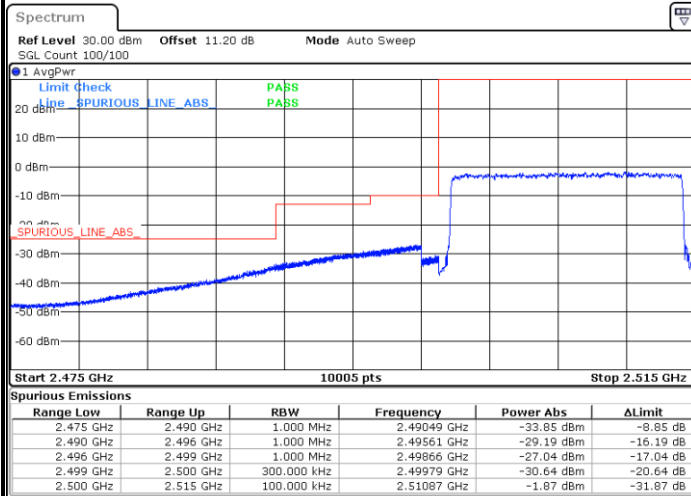
Lowest Band Edge / 1 RB



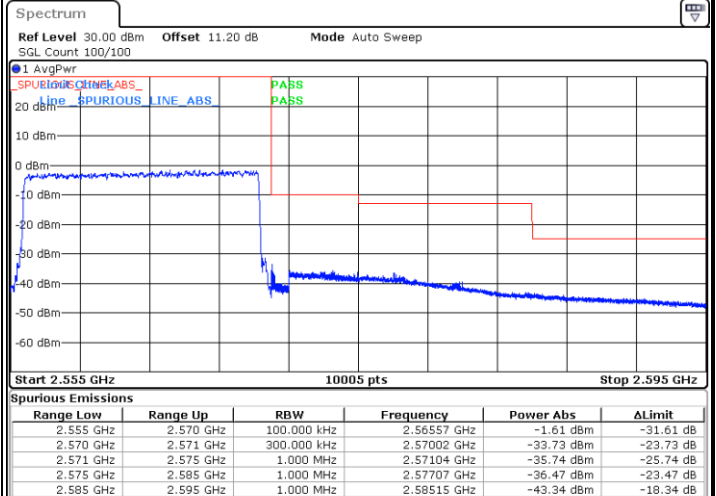
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



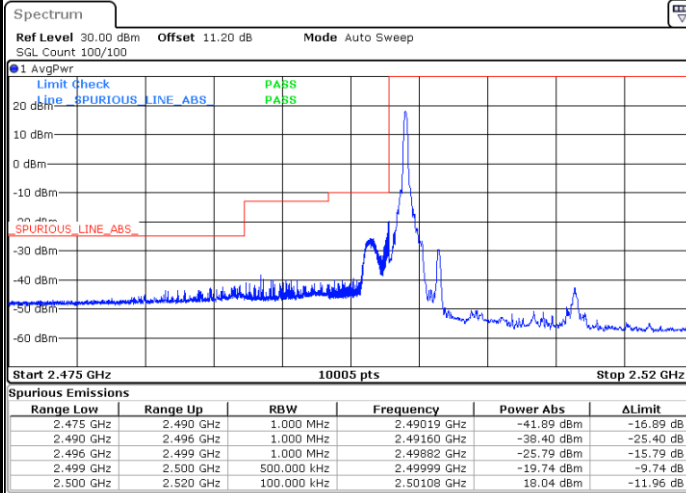
Highest Band Edge / Full RB



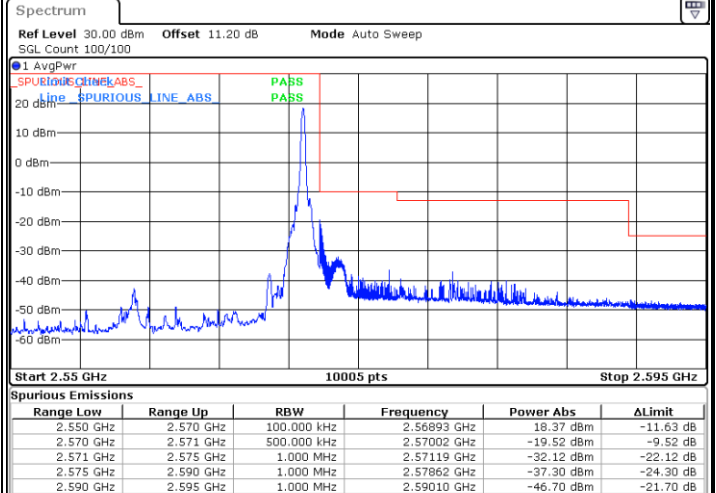


LTE Band 7 / 20MHz / QPSK

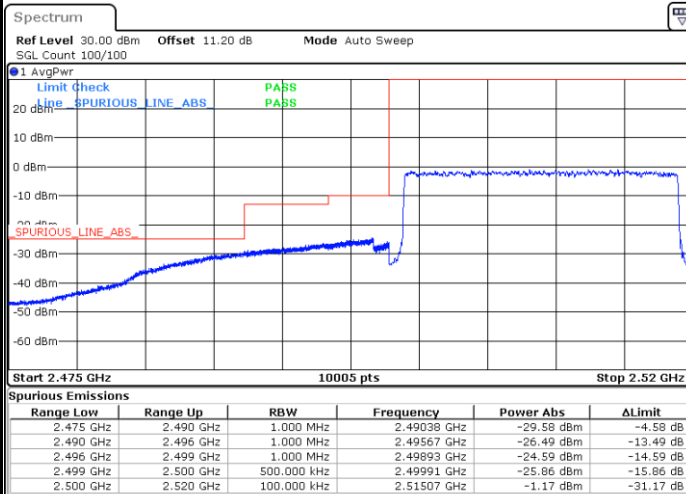
Lowest Band Edge / 1 RB



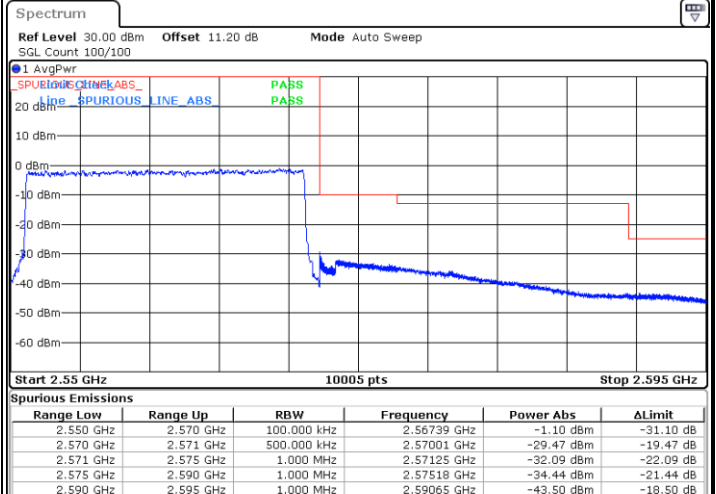
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



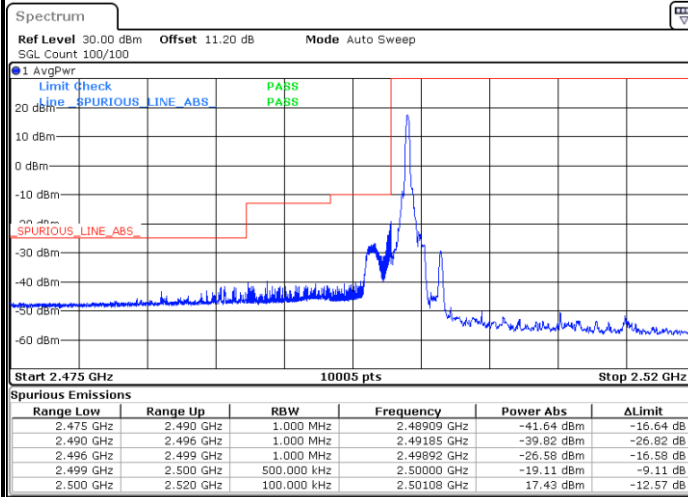
Highest Band Edge / Full RB



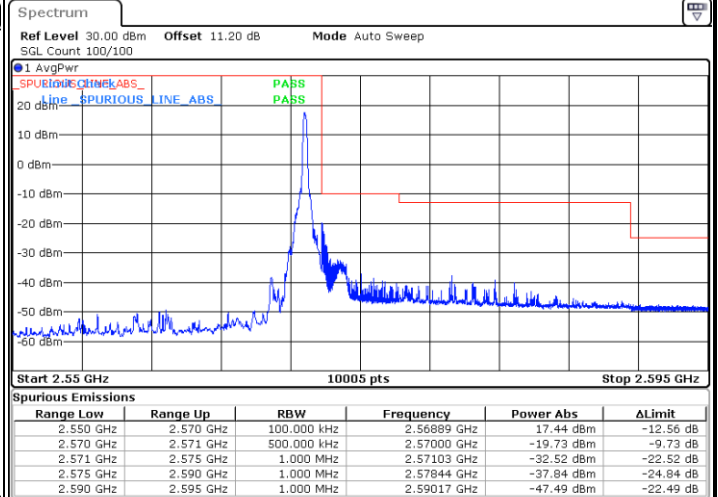


LTE Band 7 / 20MHz / 16QAM

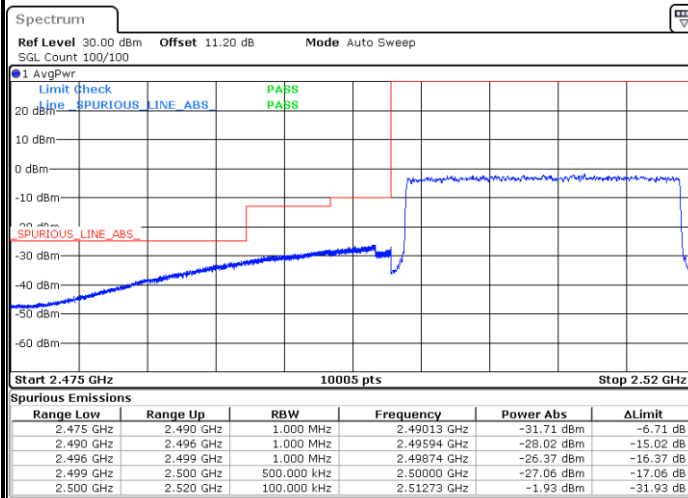
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

