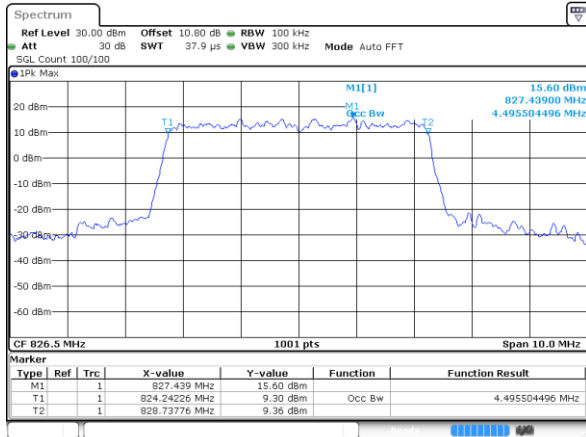




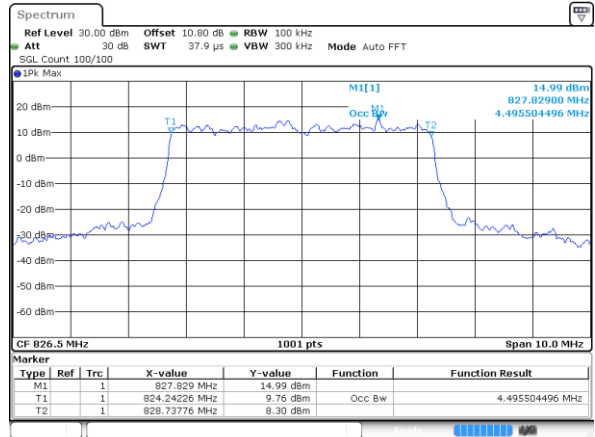
LTE Band 5

Lowest Channel / 5MHz / QPSK



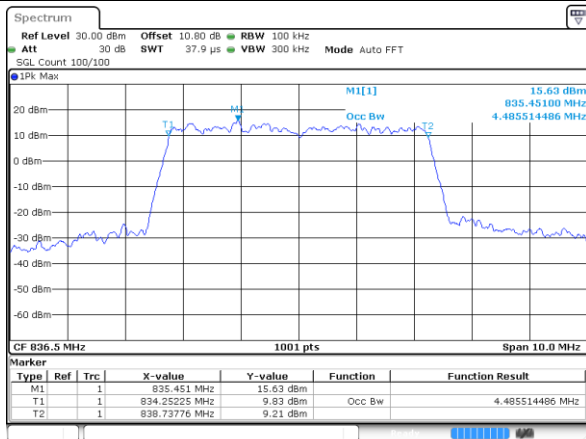
Date: 27 FEB 2020 19:05:43

Lowest Channel / 5MHz / 16QAM



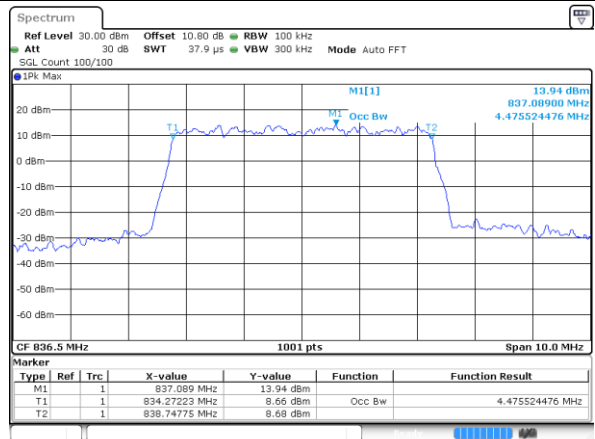
Date: 27 FEB 2020 19:05:54

Middle Channel / 5MHz / QPSK



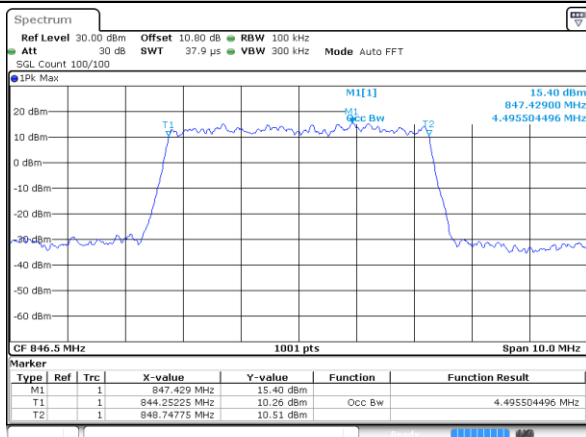
Date: 27 FEB 2020 19:16:29

Middle Channel / 5MHz / 16QAM



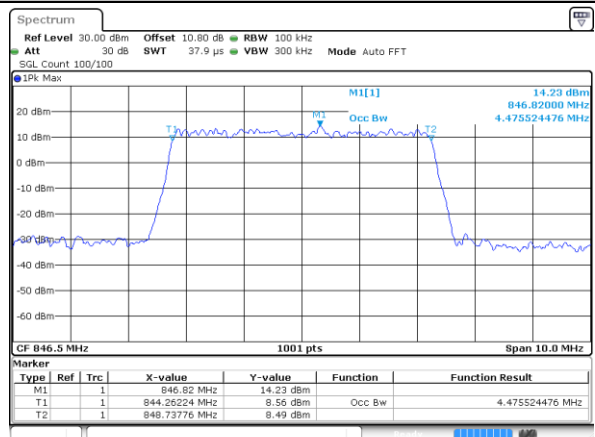
Date: 27 FEB 2020 19:16:41

Highest Channel / 5MHz / QPSK



Date: 27 FEB 2020 19:20:34

Highest Channel / 5MHz / 16QAM

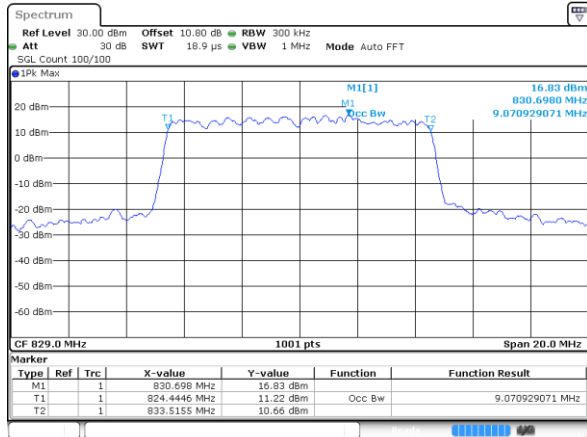


Date: 27 FEB 2020 19:20:45

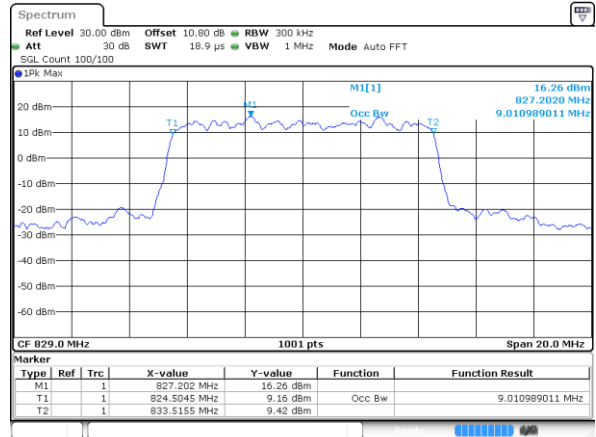


LTE Band 5

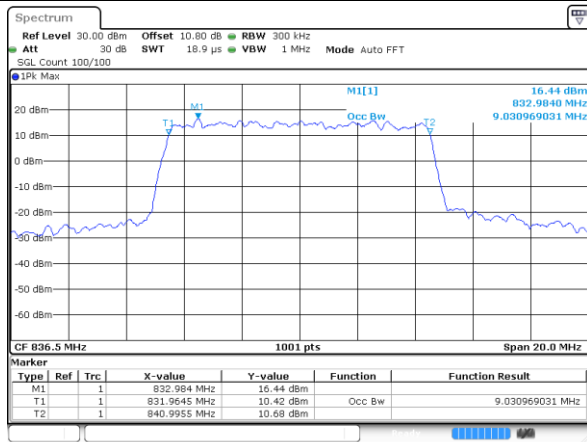
Lowest Channel / 10MHz / QPSK



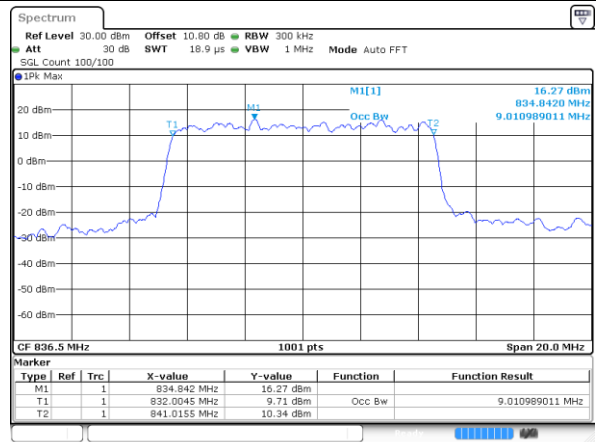
Lowest Channel / 10MHz / 16QAM



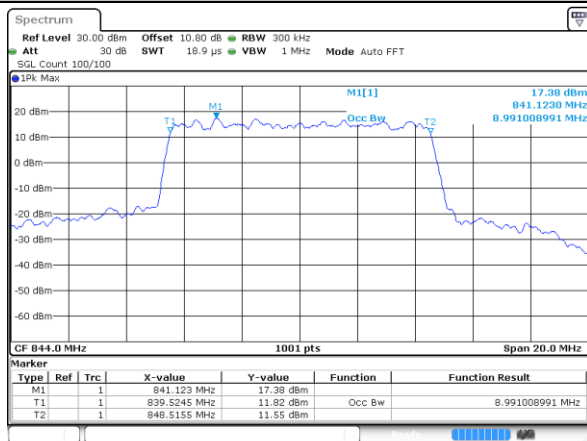
Middle Channel / 10MHz / QPSK



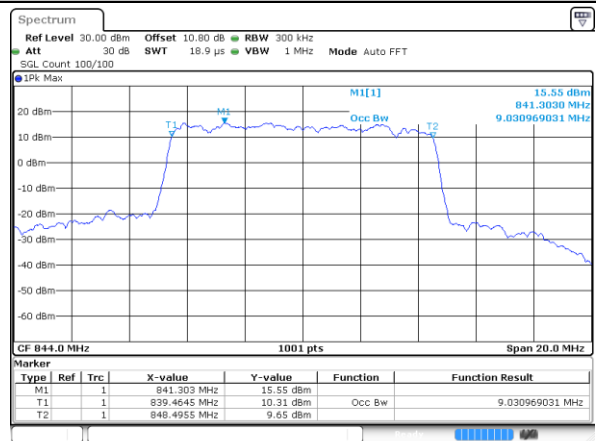
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



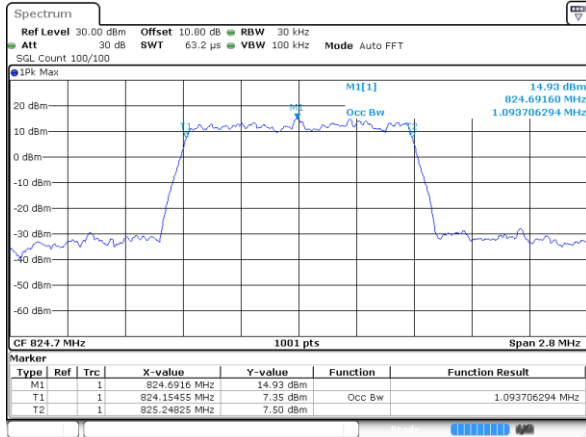
Highest Channel / 10MHz / 16QAM



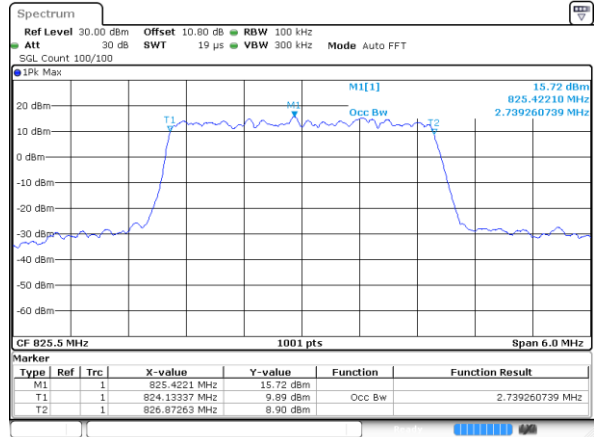


LTE Band 5

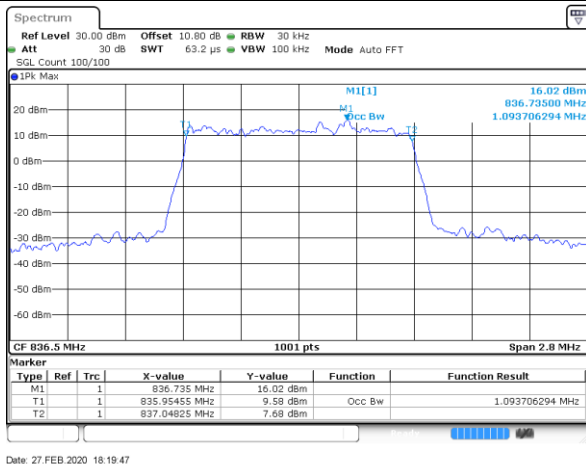
Lowest Channel / 1.4MHz / 64QAM



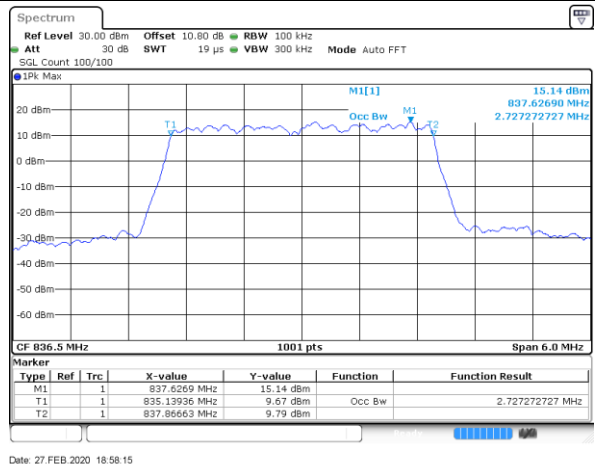
Lowest Channel / 3MHz / 64QAM



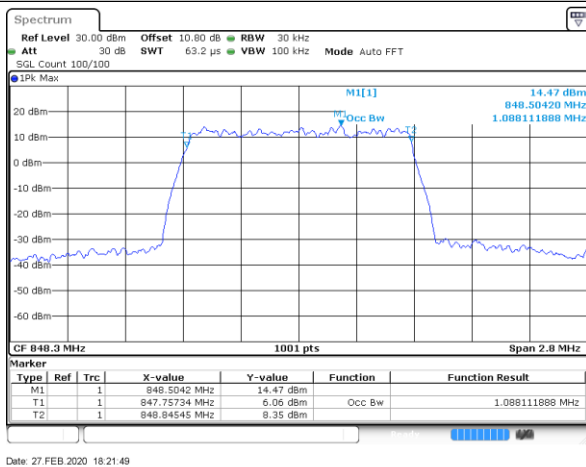
Middle Channel / 1.4MHz / 64QAM



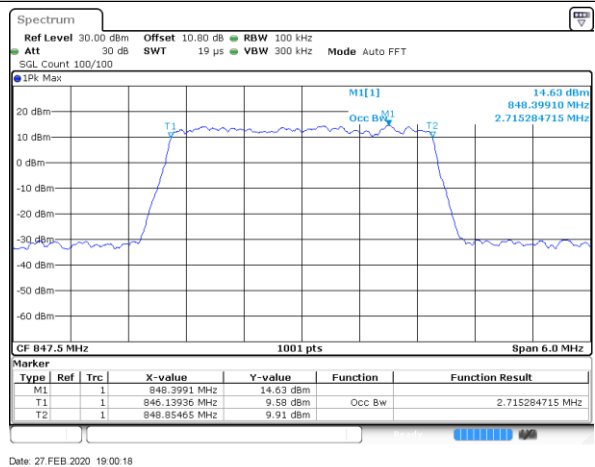
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



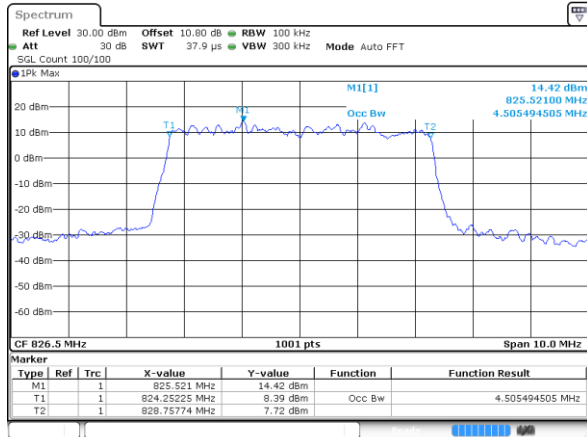
Highest Channel / 3MHz / 64QAM



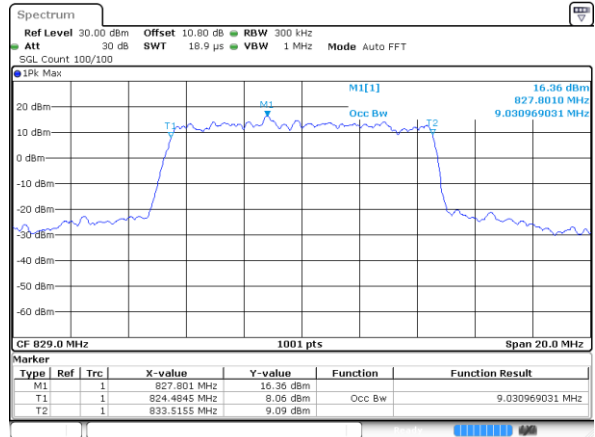


LTE Band 5

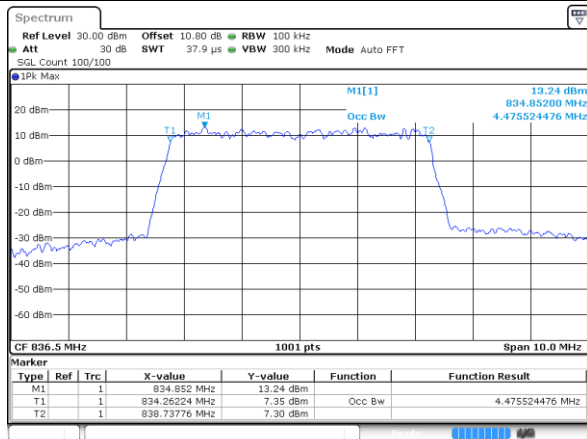
Lowest Channel / 5MHz / 64QAM



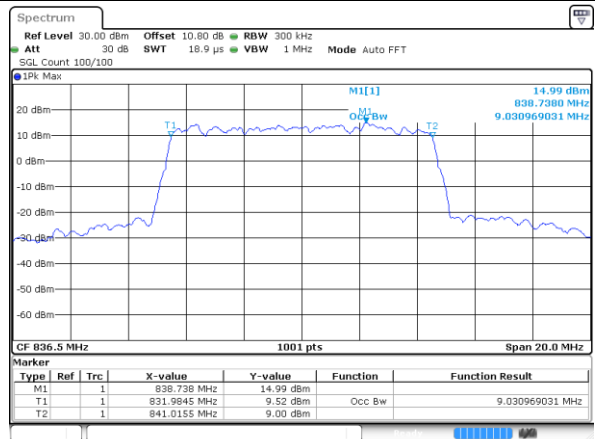
Lowest Channel / 10MHz / 64QAM



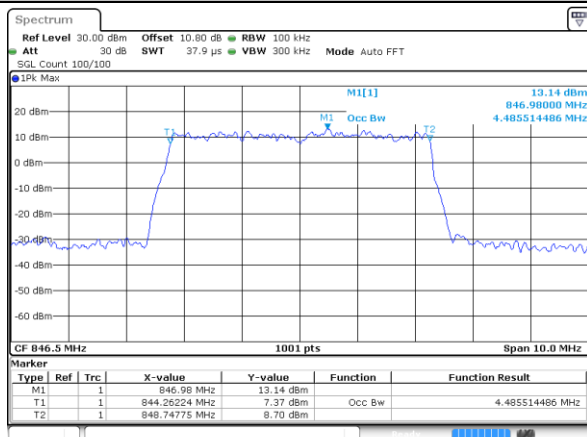
Middle Channel / 5MHz / 64QAM



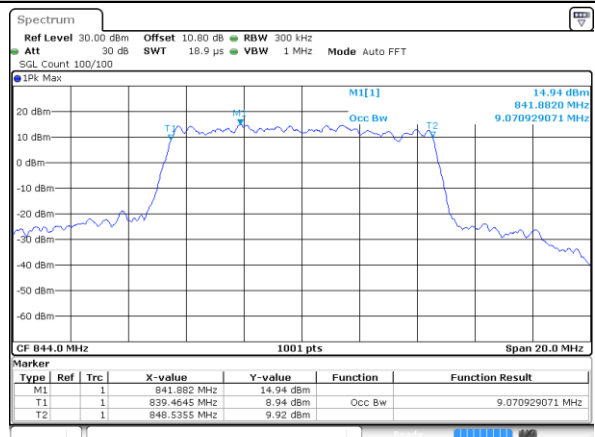
Middle Channel / 10MHz / 64QAM

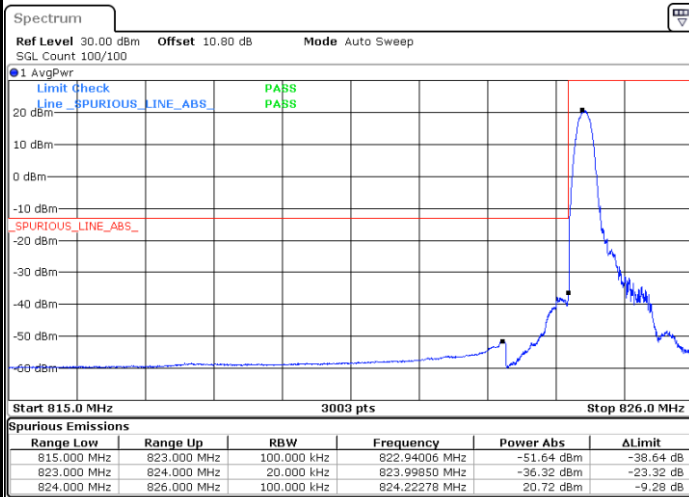
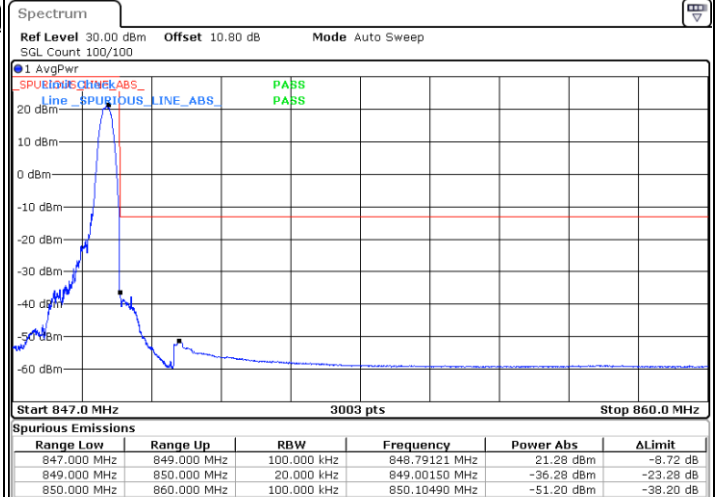
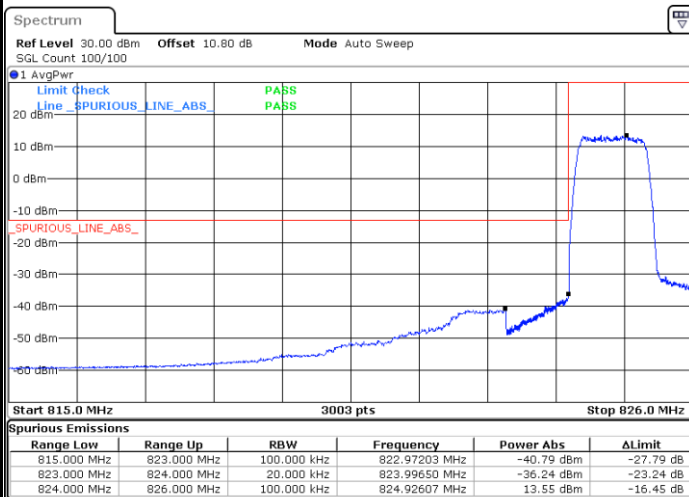
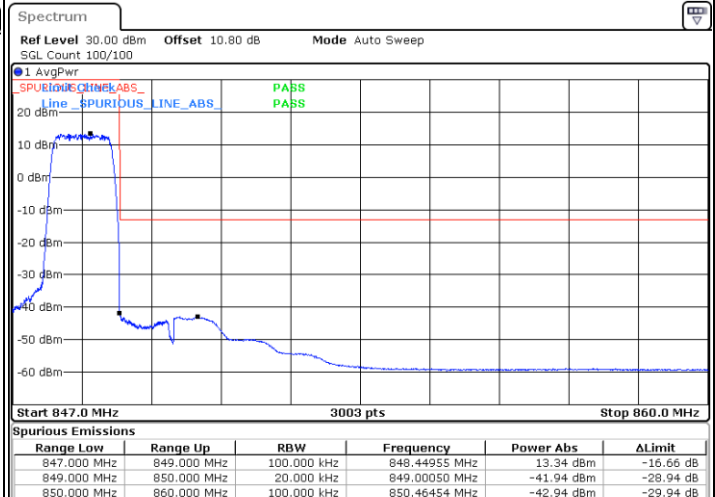


Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

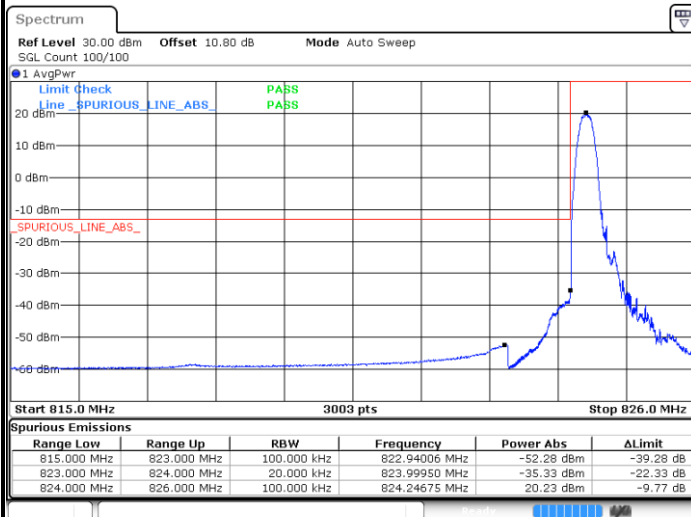


**Conducted Band Edge****LTE Band 5 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

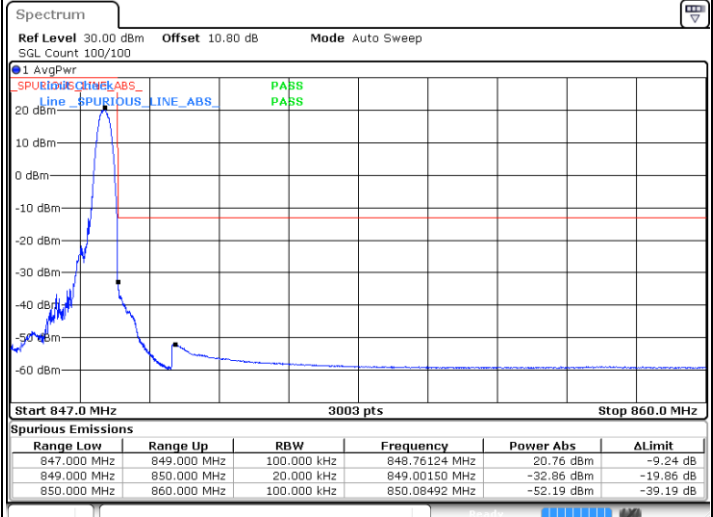


LTE Band 5 / 1.4MHz / 16QAM

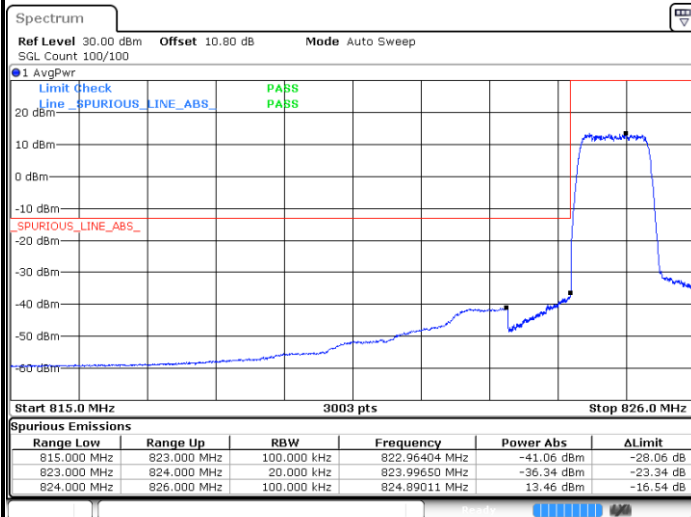
Lowest Band Edge / 1 RB



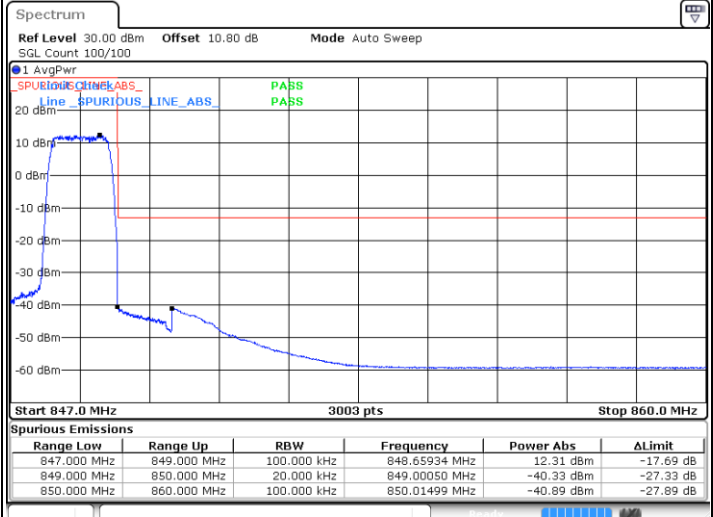
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



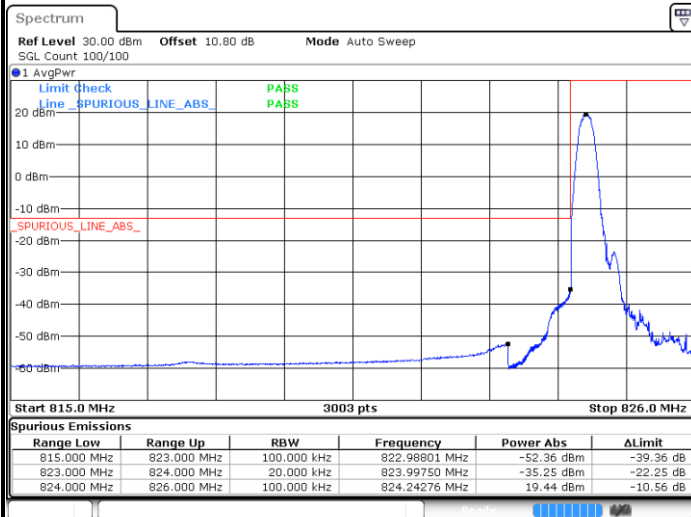
Highest Band Edge / Full RB



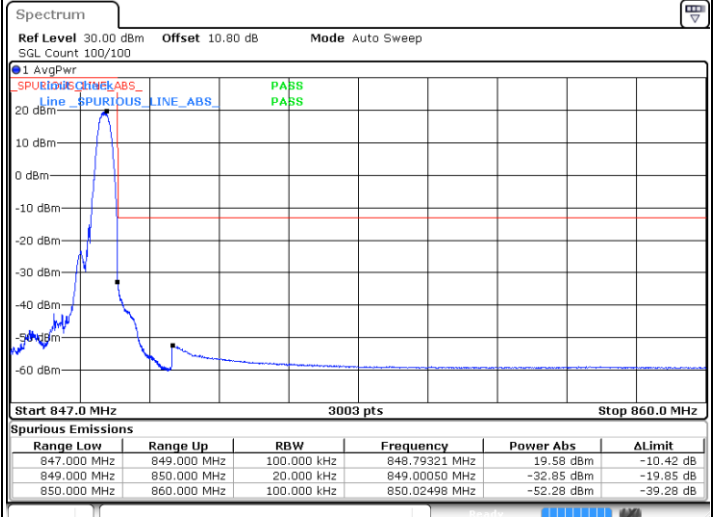


LTE Band 5 / 1.4MHz / 64QAM

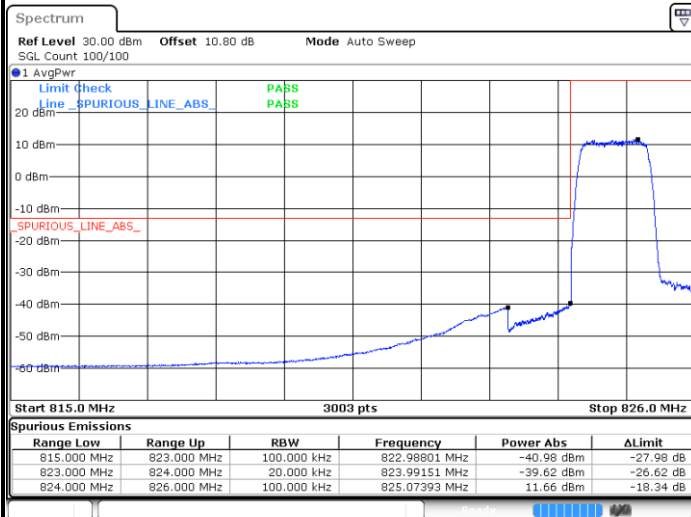
Lowest Band Edge / 1 RB



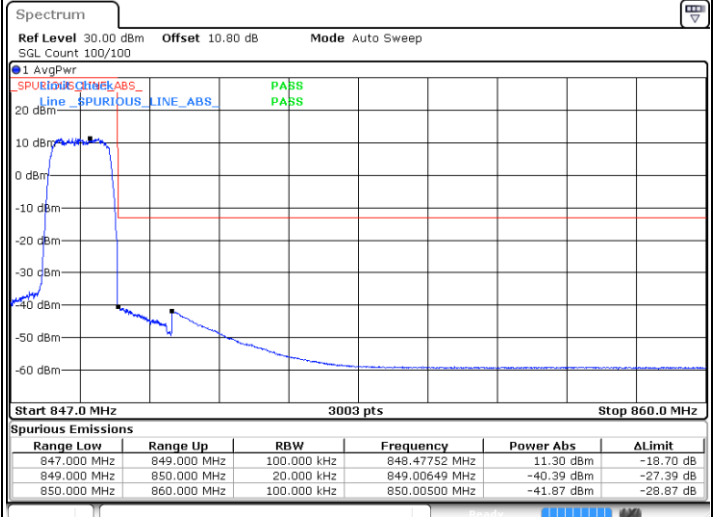
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



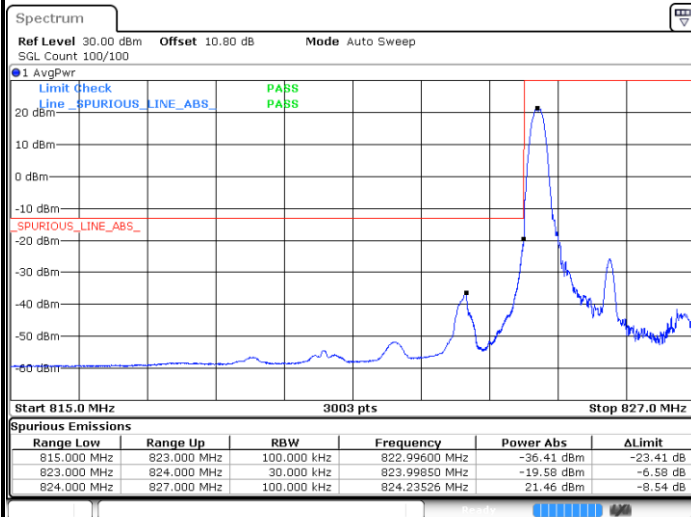
Highest Band Edge / Full RB



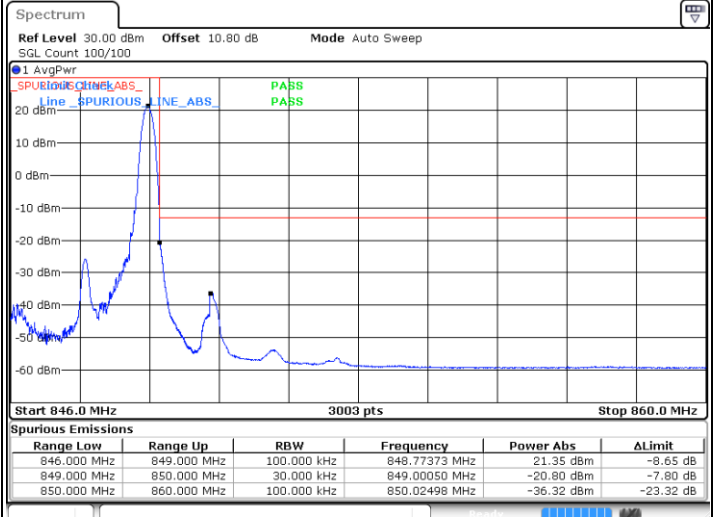


LTE Band 5 / 3MHz / QPSK

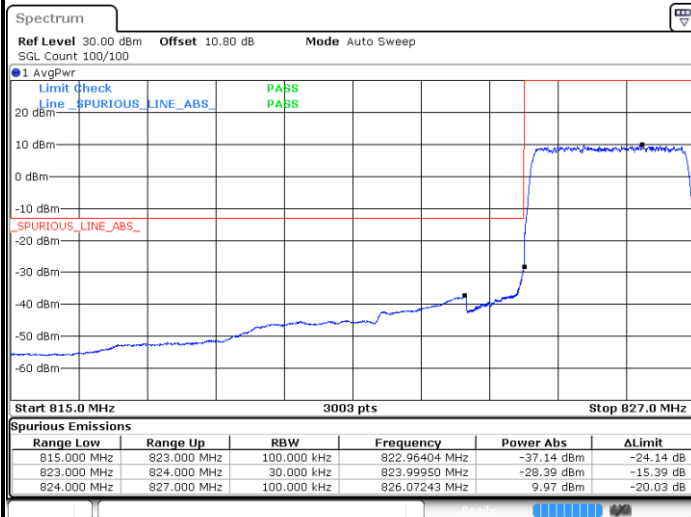
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



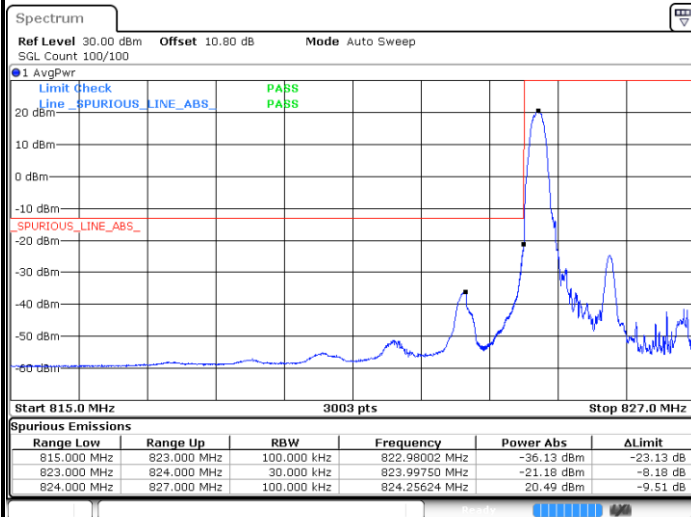
Highest Band Edge / Full RB



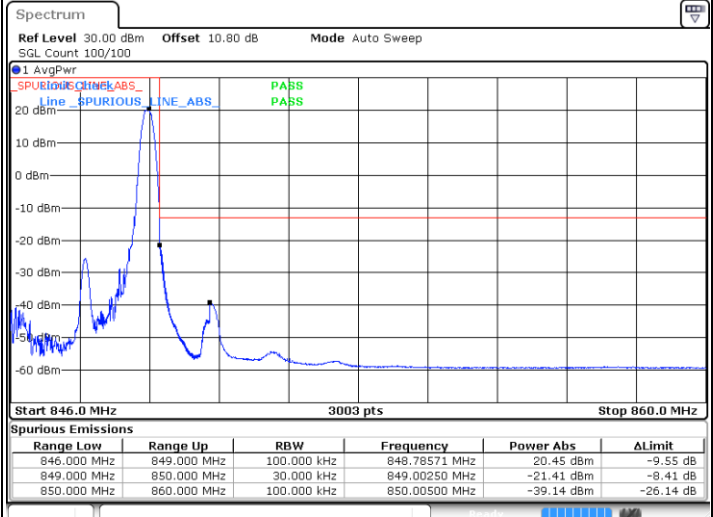


LTE Band 5 / 3MHz / 16QAM

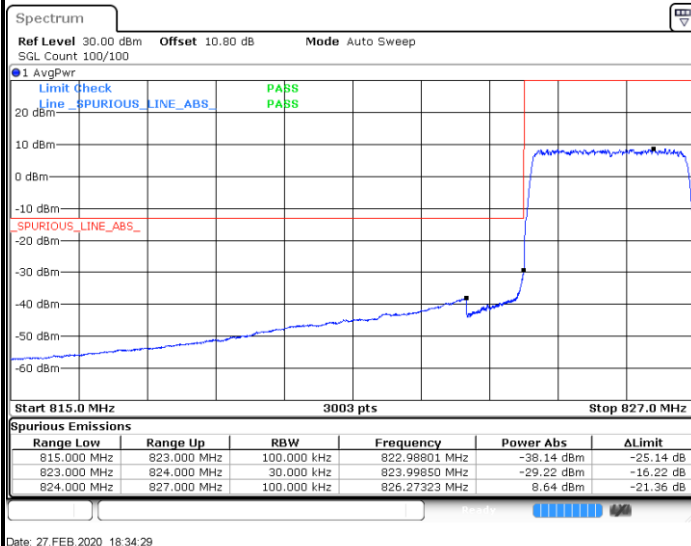
Lowest Band Edge / 1 RB



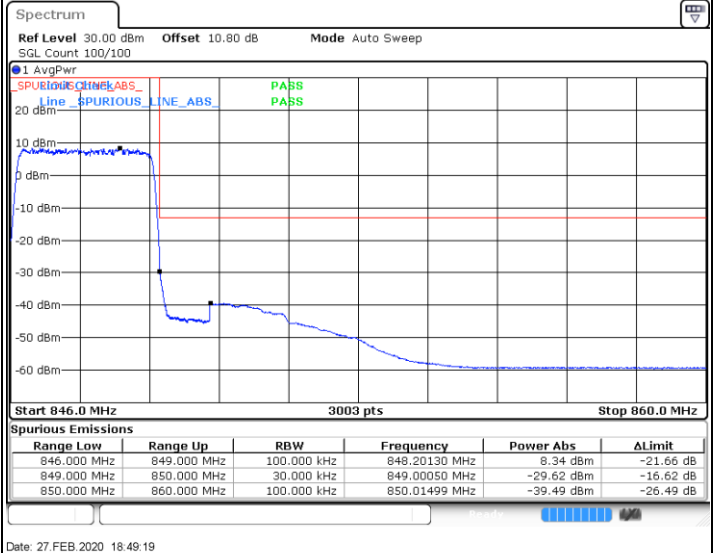
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



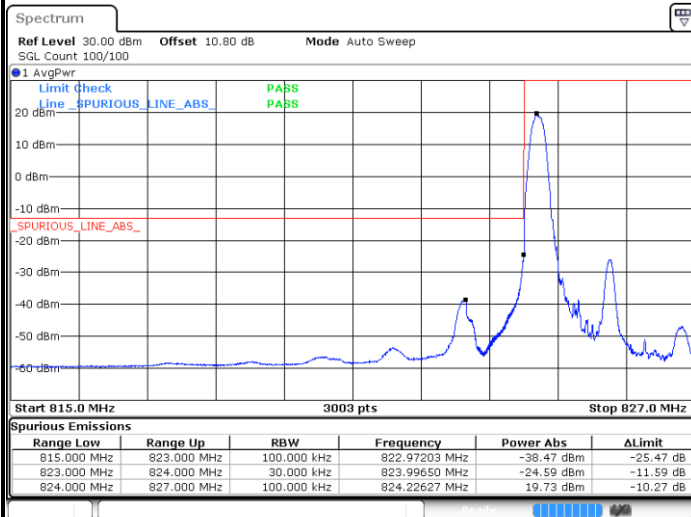
Highest Band Edge / Full RB



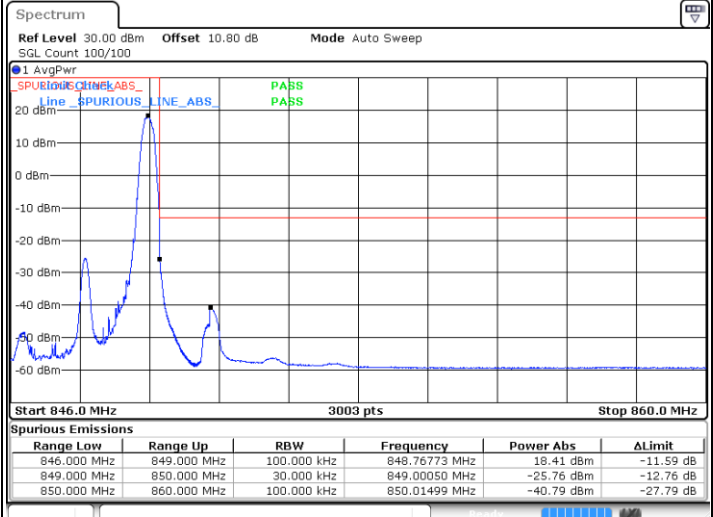


LTE Band 5 / 3MHz / 64QAM

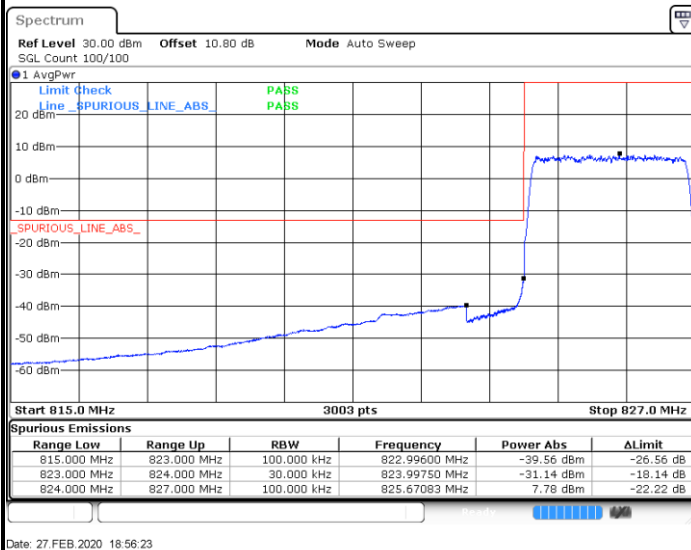
Lowest Band Edge / 1 RB



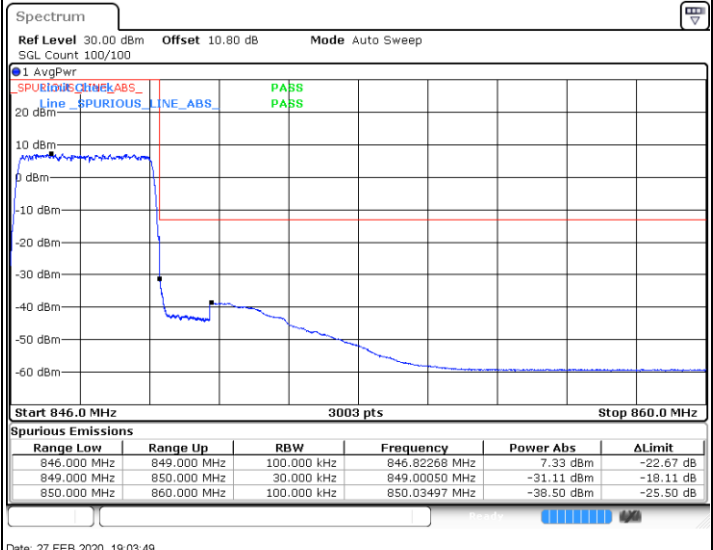
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



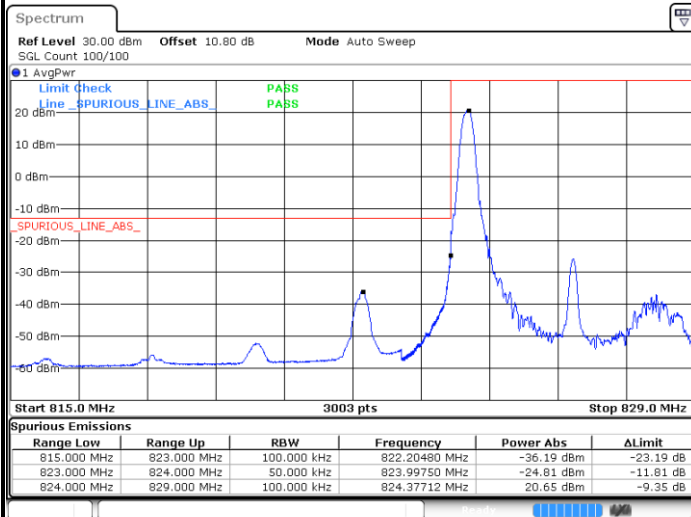
Highest Band Edge / Full RB



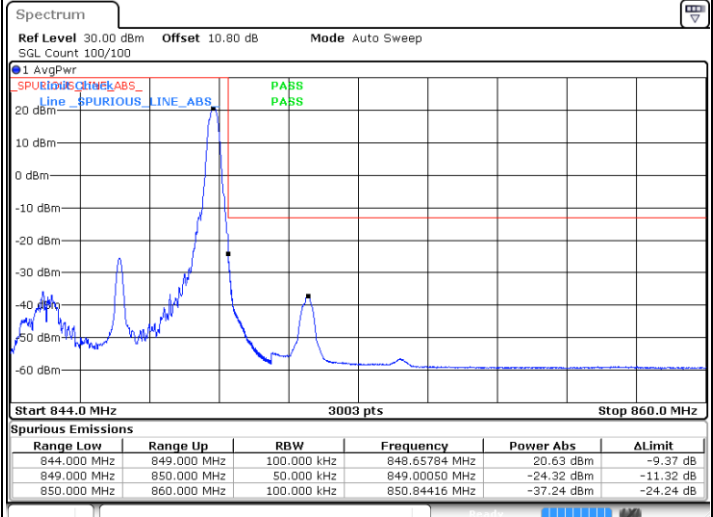


LTE Band 5 / 5MHz / QPSK

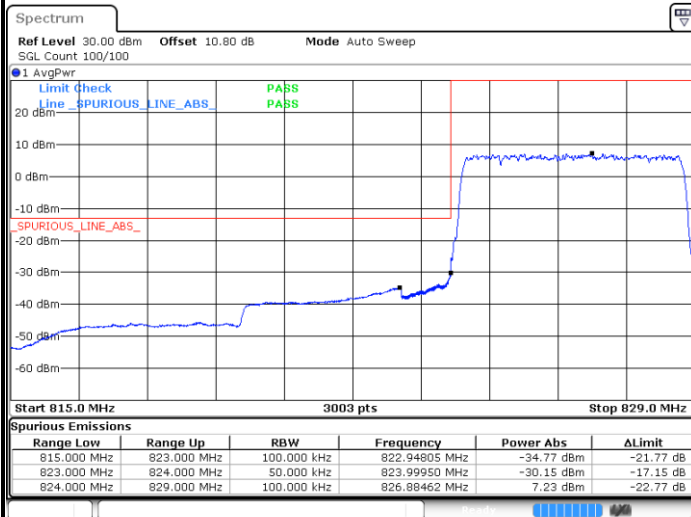
Lowest Band Edge / 1 RB



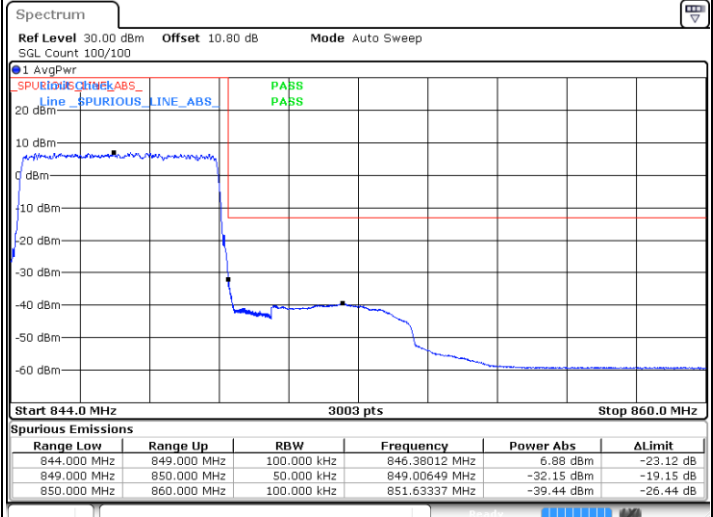
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



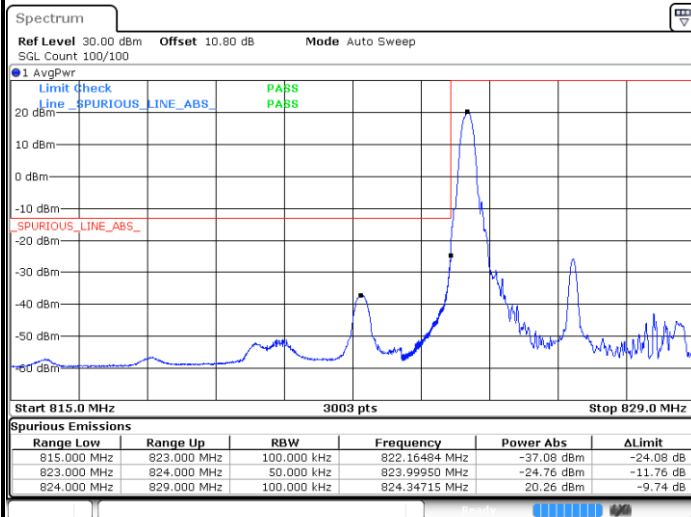
Highest Band Edge / Full RB



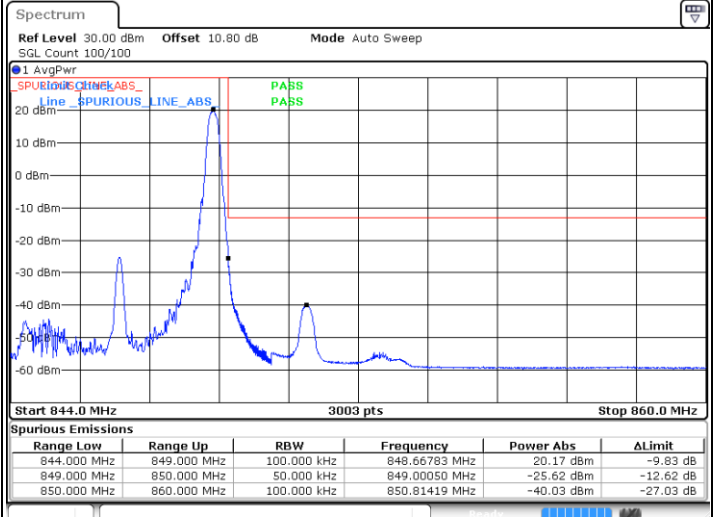


LTE Band 5 / 5MHz / 16QAM

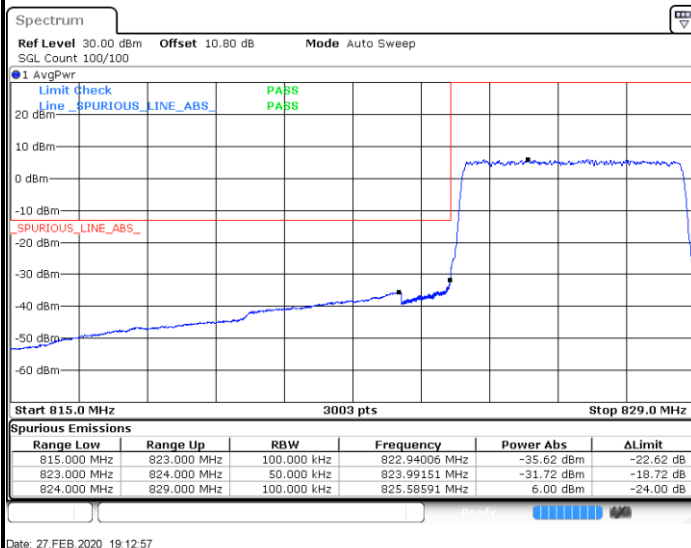
Lowest Band Edge / 1RB



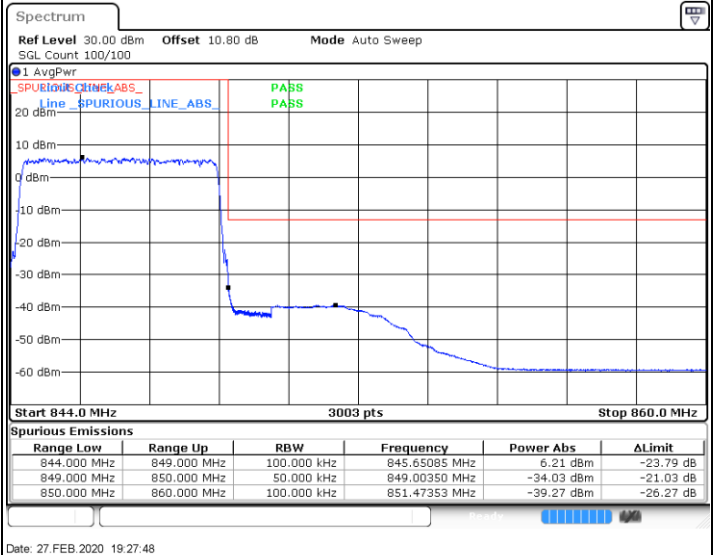
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



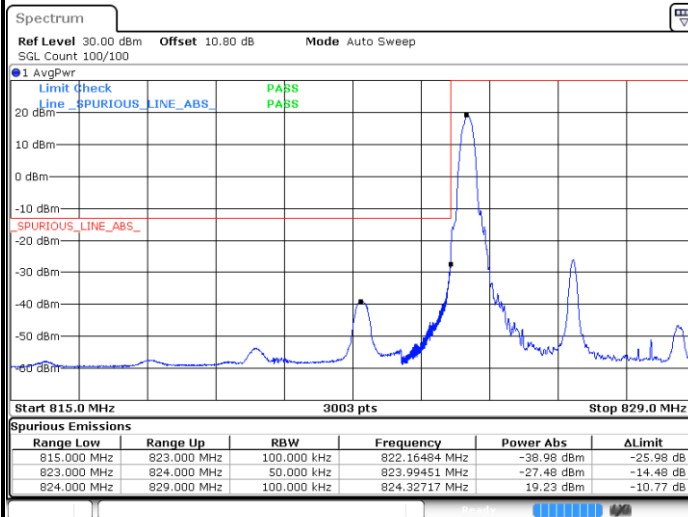
Highest Band Edge / Full RB



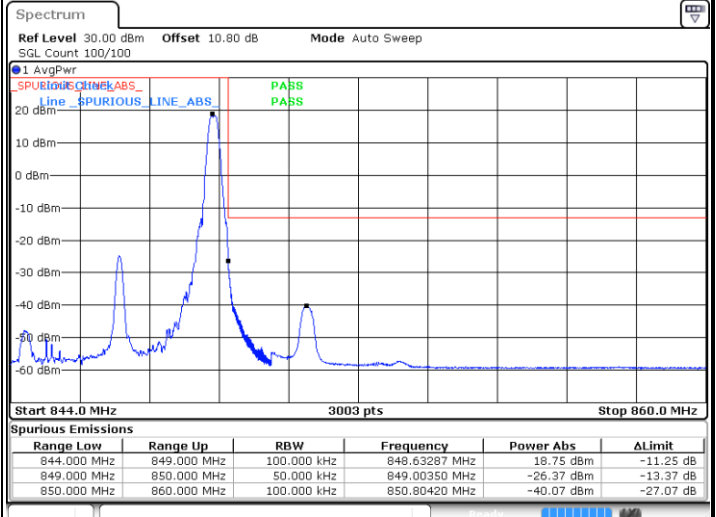


LTE Band 5 / 5MHz / 64QAM

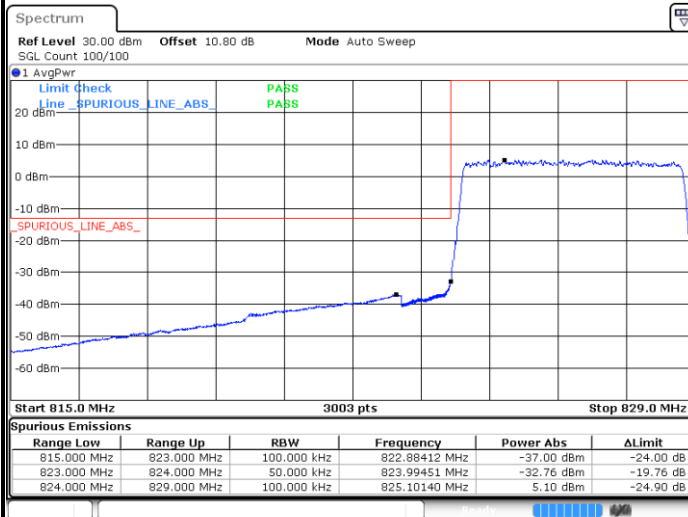
Lowest Band Edge / 1RB



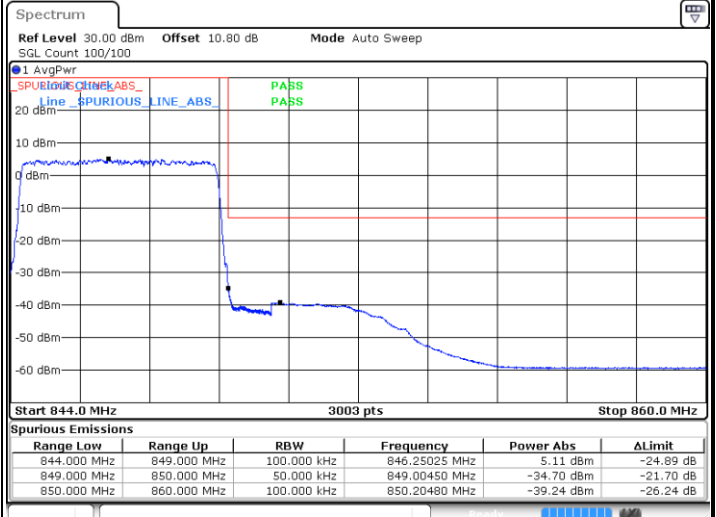
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



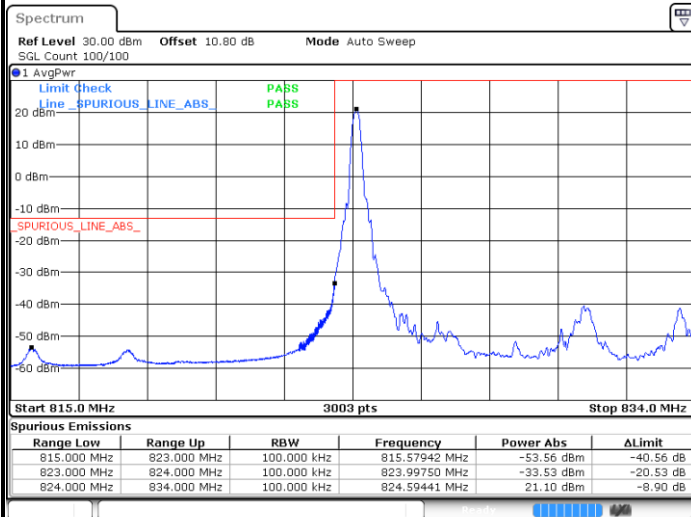
Highest Band Edge / Full RB



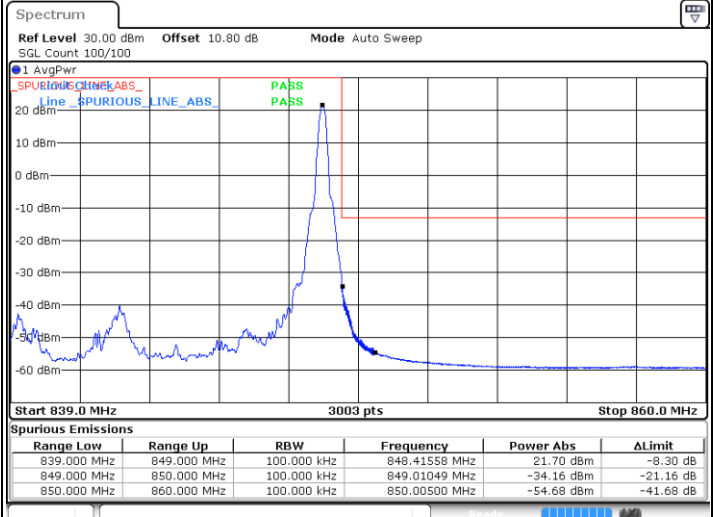


LTE Band 5 / 10MHz / QPSK

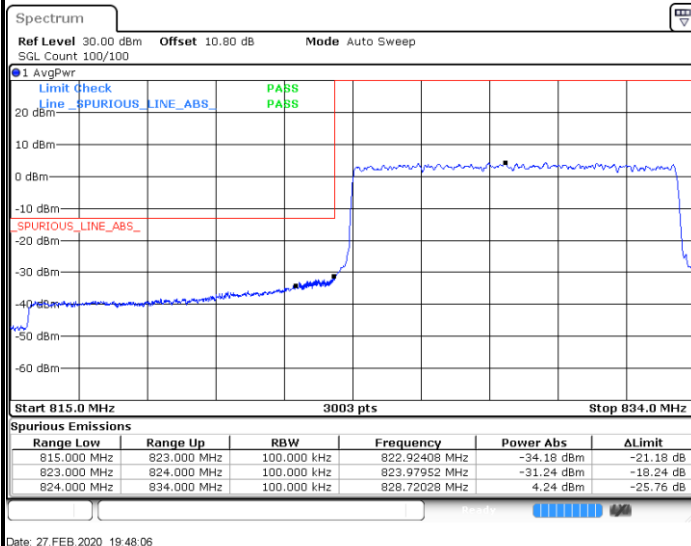
Lowest Band Edge / 1 RB



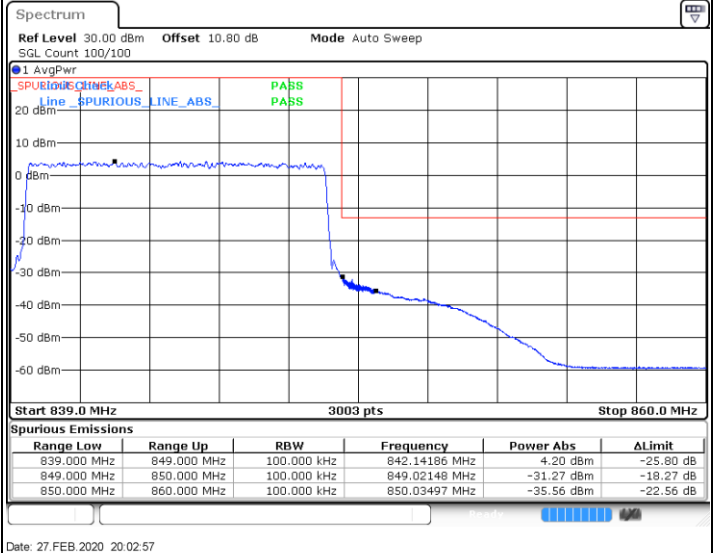
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



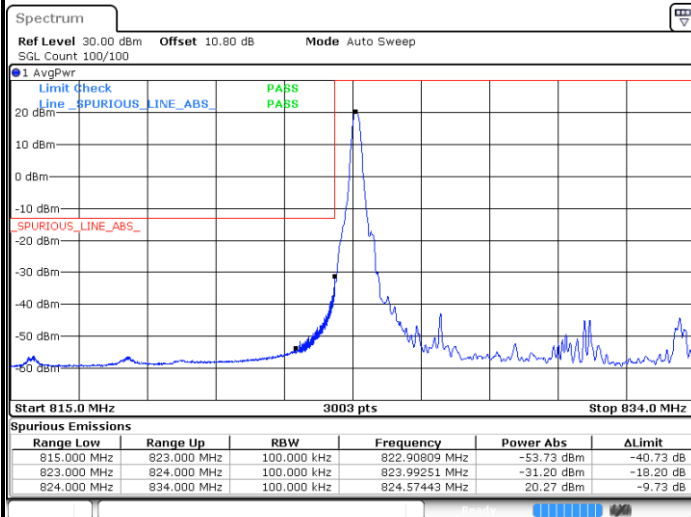
Highest Band Edge / Full RB



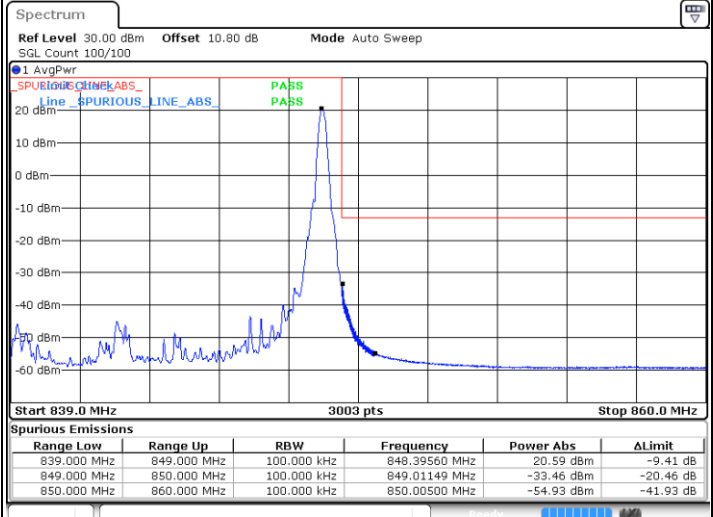


LTE Band 5 / 10MHz / 16QAM

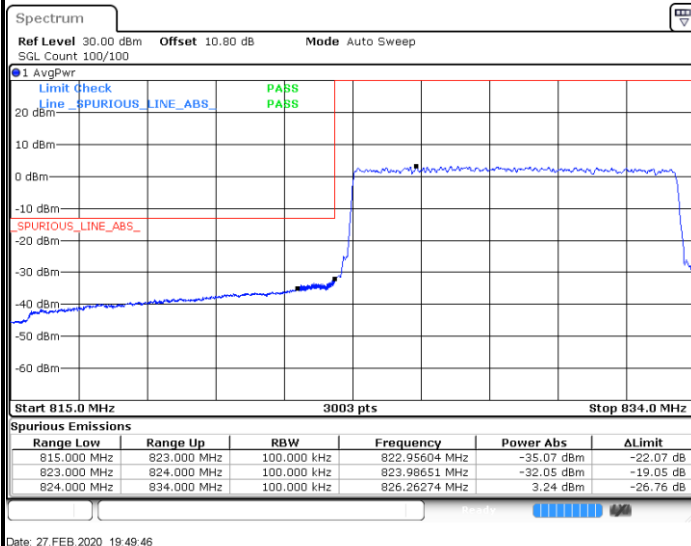
Lowest Band Edge / 1 RB



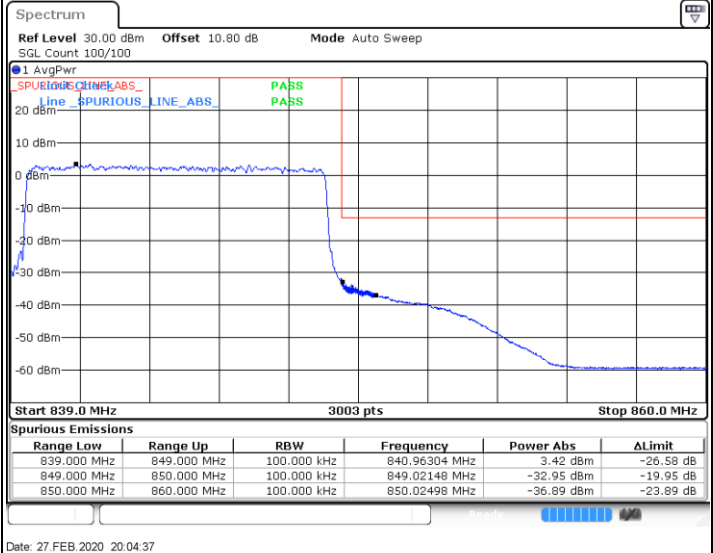
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



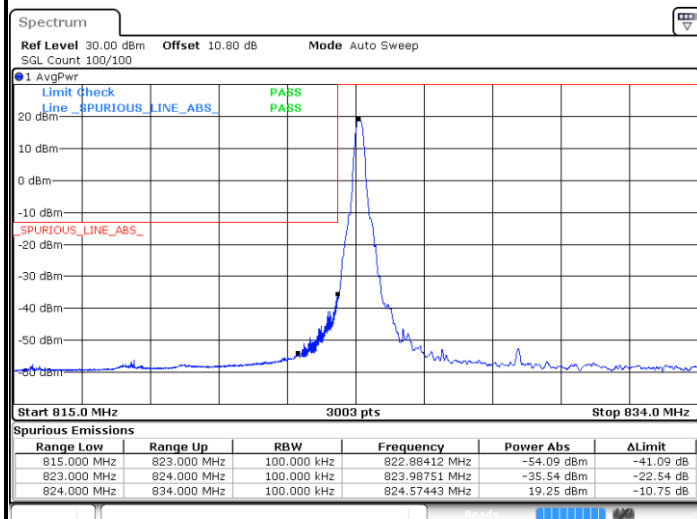
Highest Band Edge / Full RB



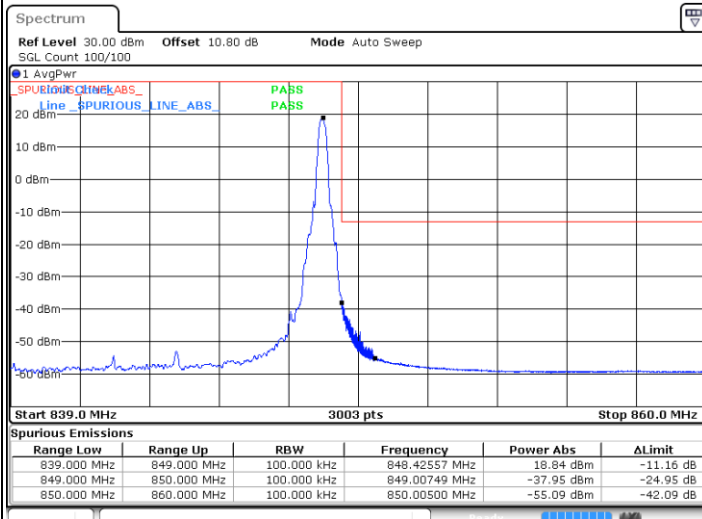


LTE Band 5 / 10MHz / 64QAM

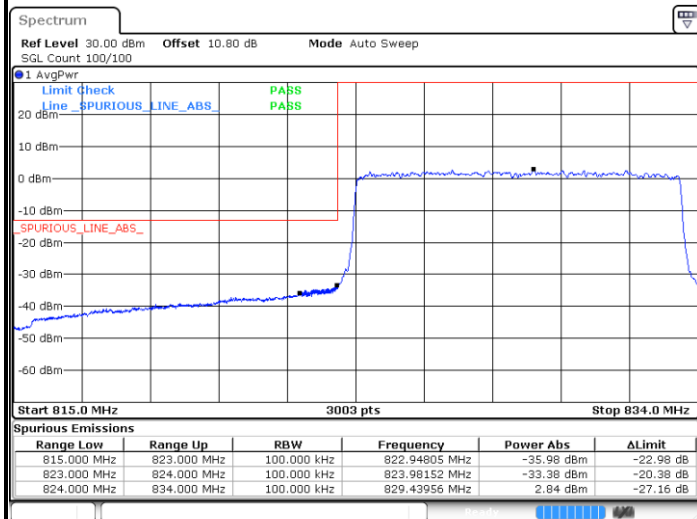
Lowest Band Edge / 1 RB



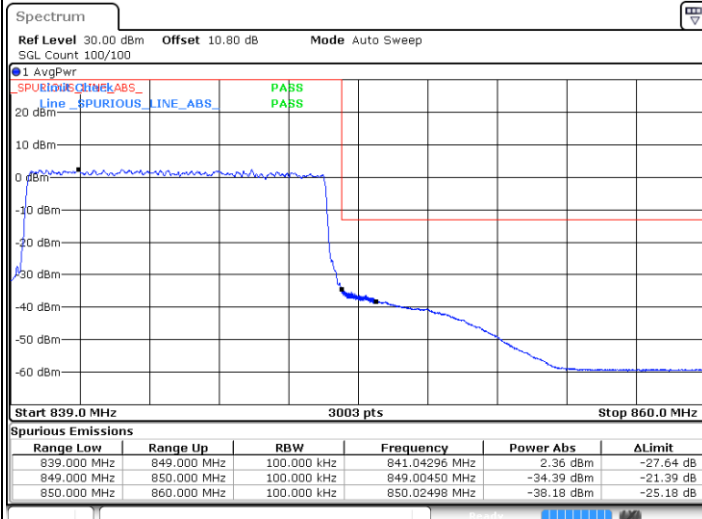
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

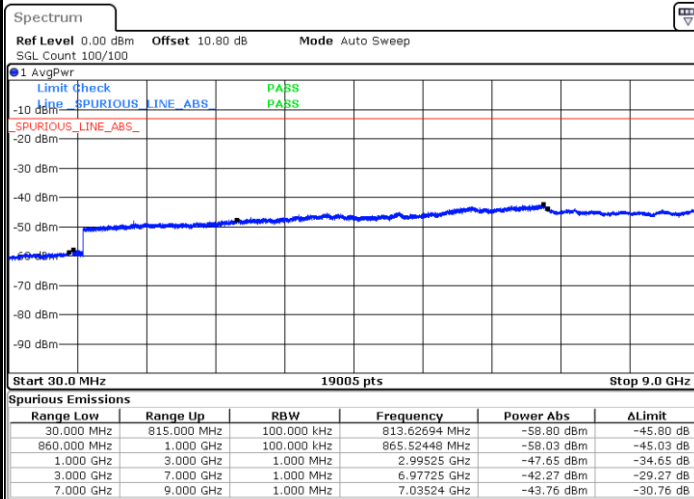




Conducted Spurious Emission

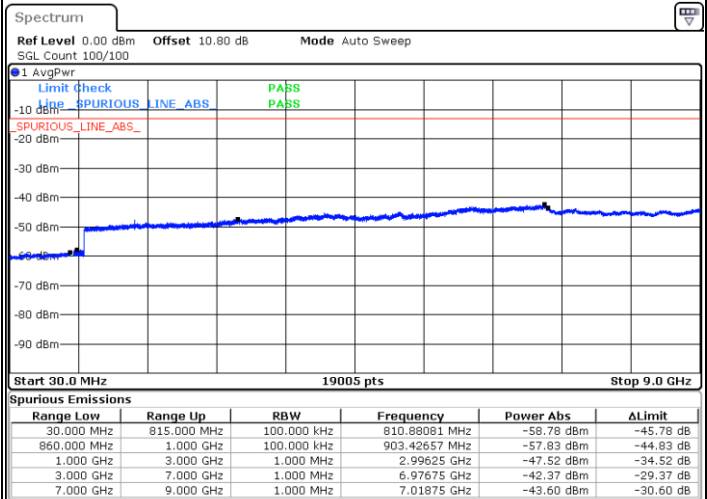
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



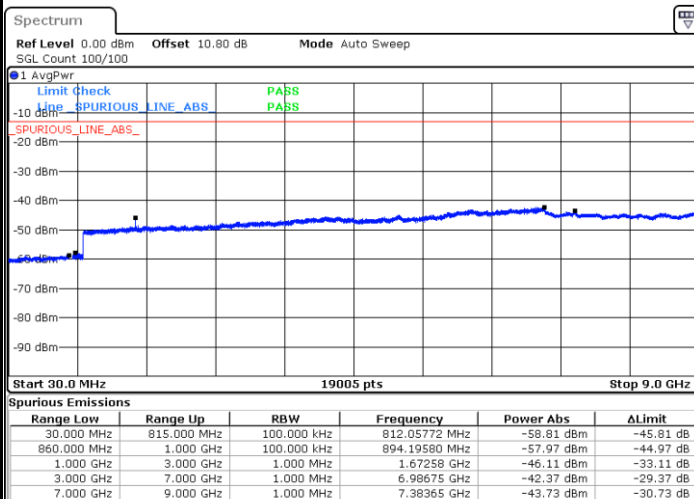
Date: 27.FEB.2020 17:38:30

Lowest Channel / 16QAM



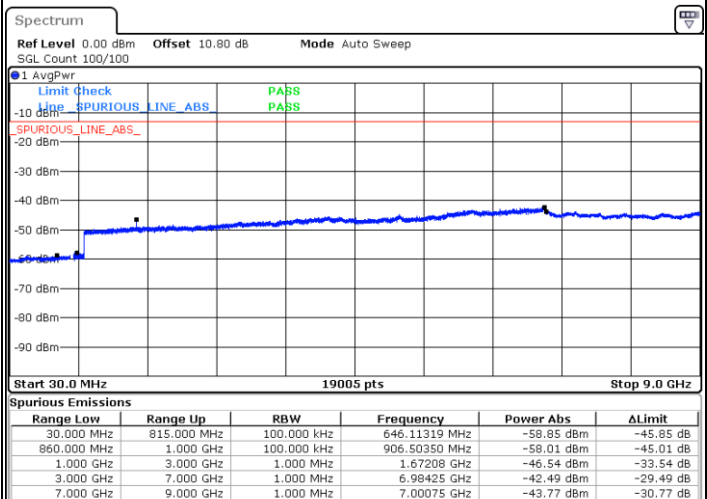
Date: 27.FEB.2020 17:40:09

Middle Channel / QPSK



Date: 27.FEB.2020 18:01:47

Middle Channel / 16QAM

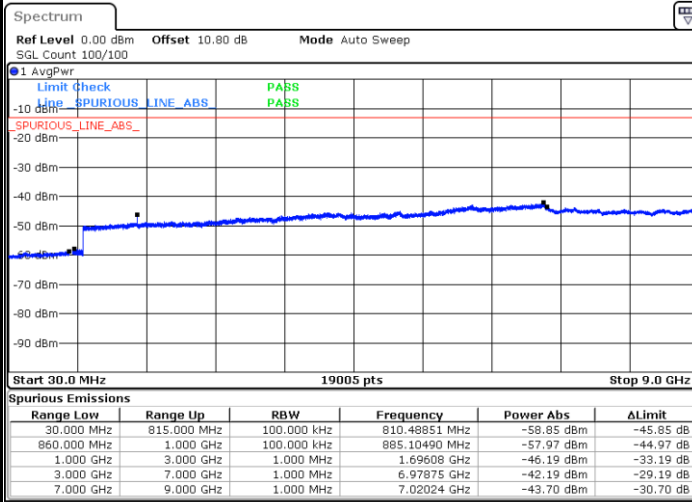


Date: 27.FEB.2020 18:03:26



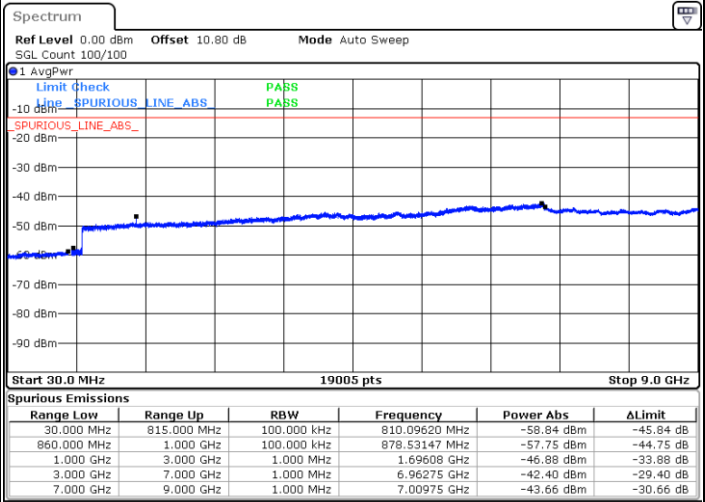
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 27 FEB 2020 18:12:33

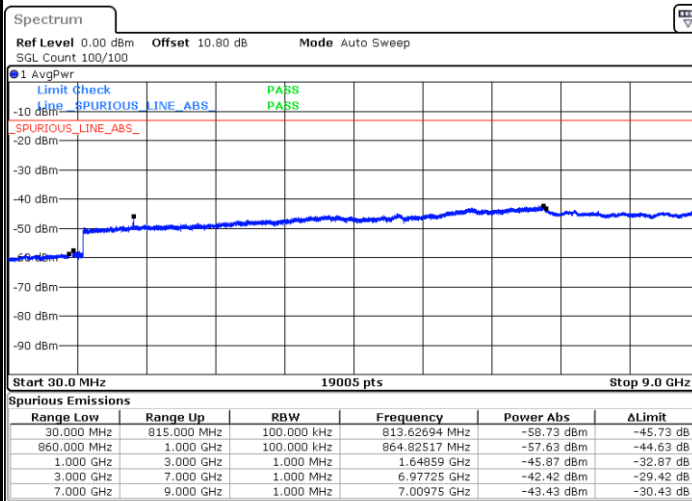
Highest Channel / 16QAM



Date: 27 FEB 2020 18:14:13

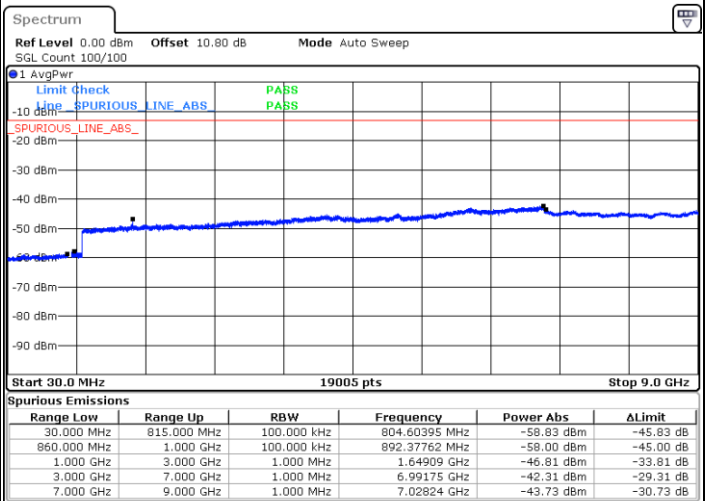
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 27 FEB 2020 18:36:09

Lowest Channel / 16QAM

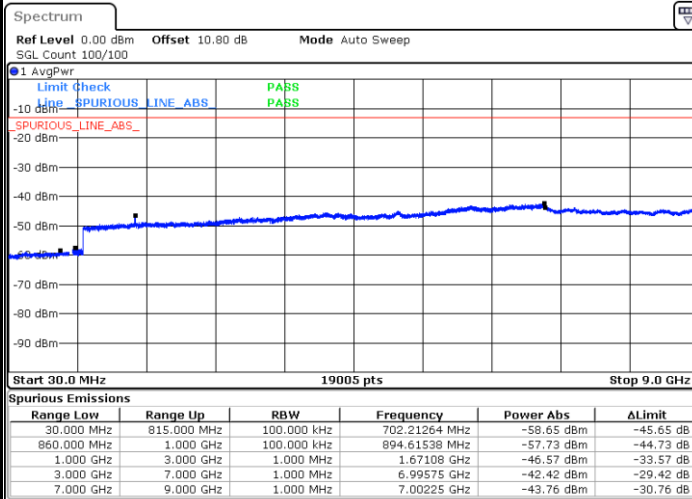


Date: 27 FEB 2020 18:37:49



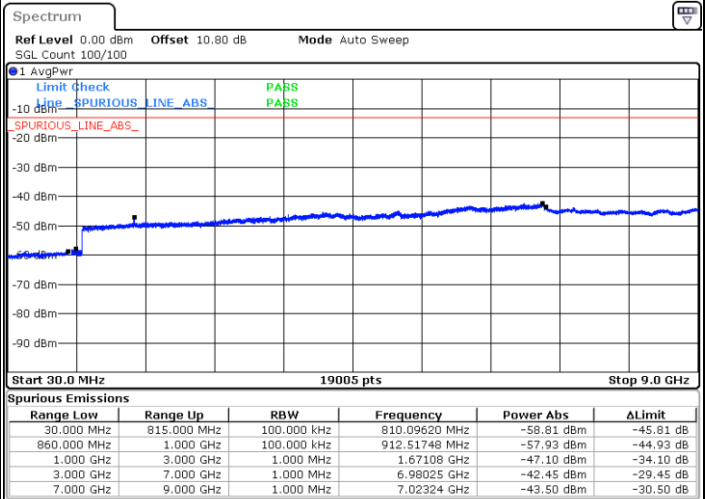
LTE Band 5 / 3MHz

Middle Channel / QPSK



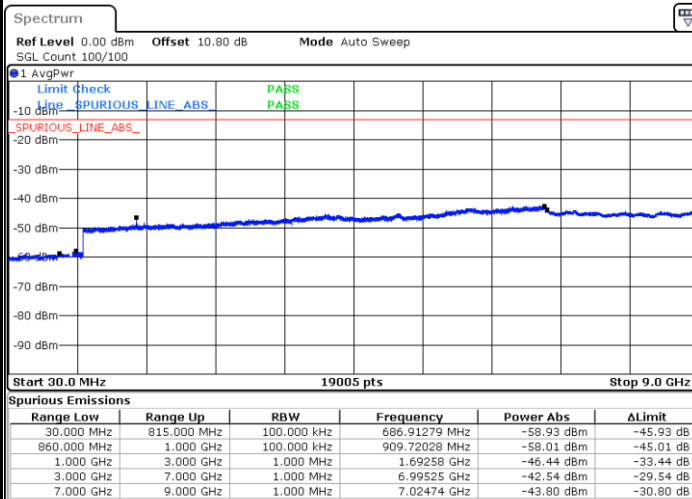
Date: 27.FEB.2020 18:40:14

Middle Channel / 16QAM



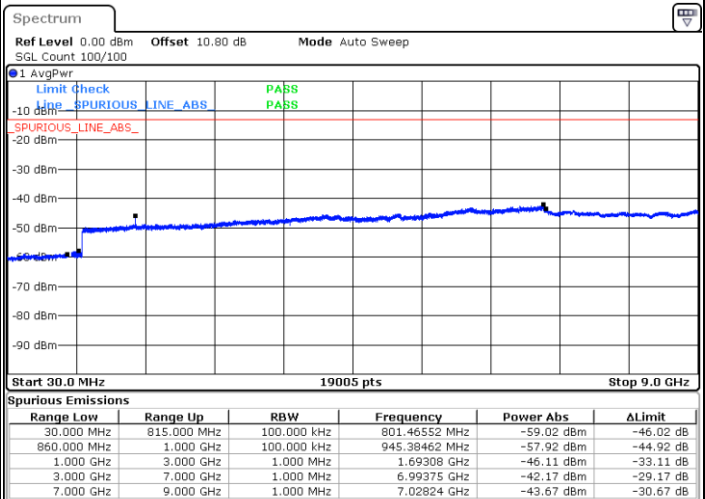
Date: 27.FEB.2020 18:41:53

Highest Channel / QPSK



Date: 27.FEB.2020 18:51:00

Highest Channel / 16QAM

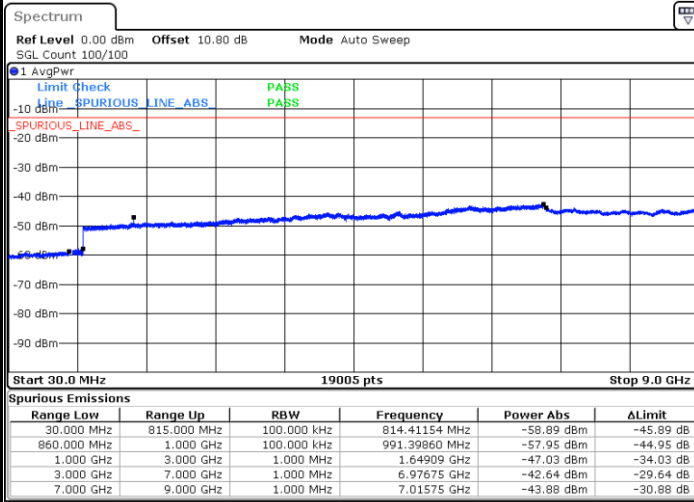


Date: 27.FEB.2020 18:52:40



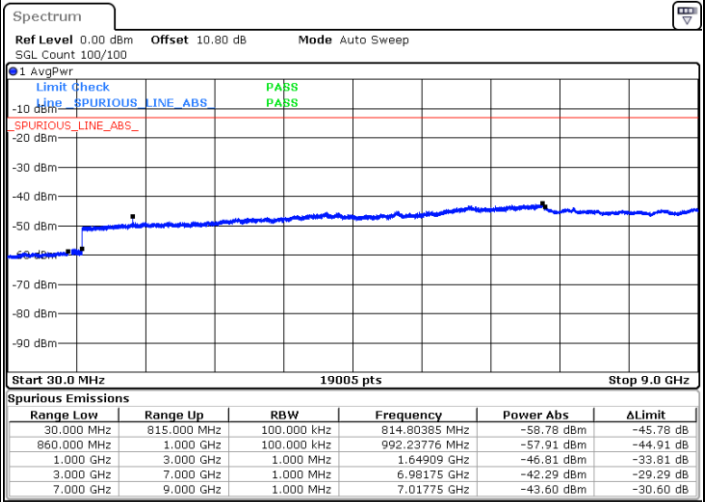
LTE Band 5 / 5MHz

Lowest Channel / QPSK



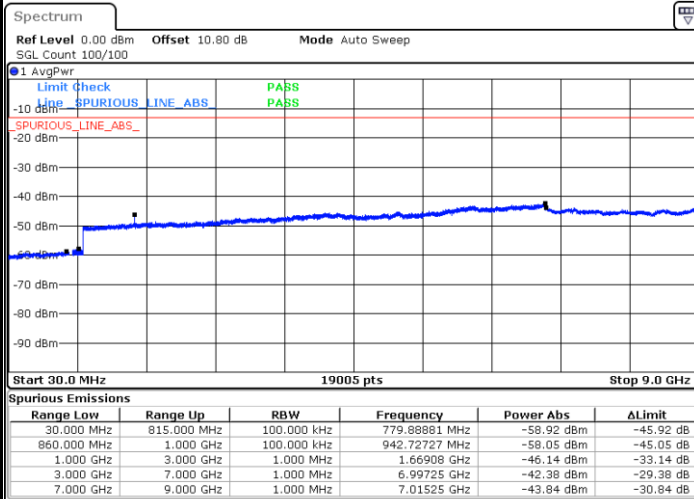
Date: 27.FEB.2020 19:14:38

Lowest Channel / 16QAM



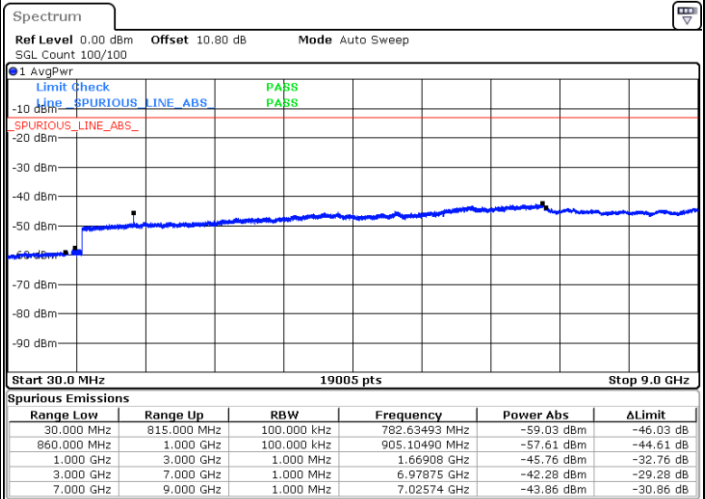
Date: 27.FEB.2020 19:16:18

Middle Channel / QPSK



Date: 27.FEB.2020 19:18:43

Middle Channel / 16QAM

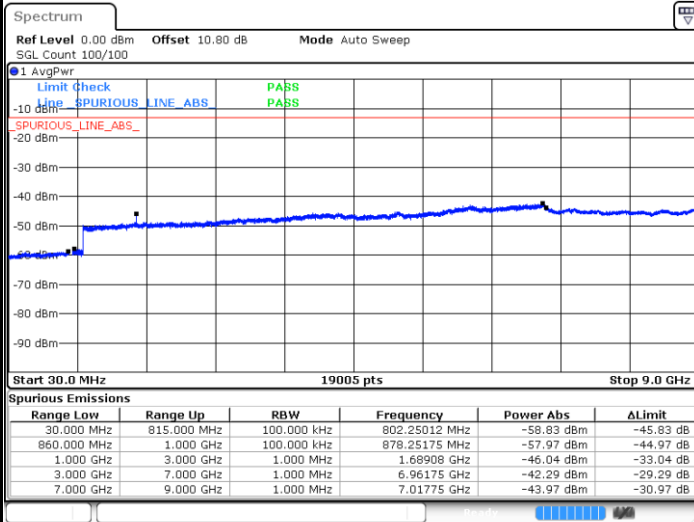


Date: 27.FEB.2020 19:20:22



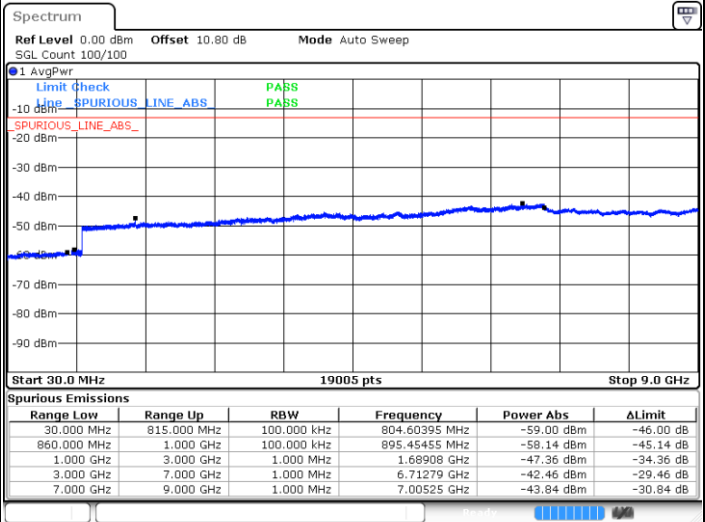
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 27 FEB 2020 19:29:29

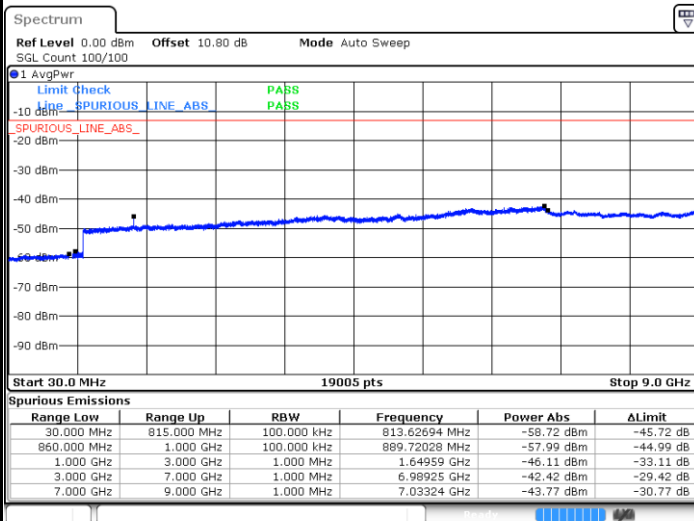
Highest Channel / 16QAM



Date: 27 FEB 2020 19:31:09

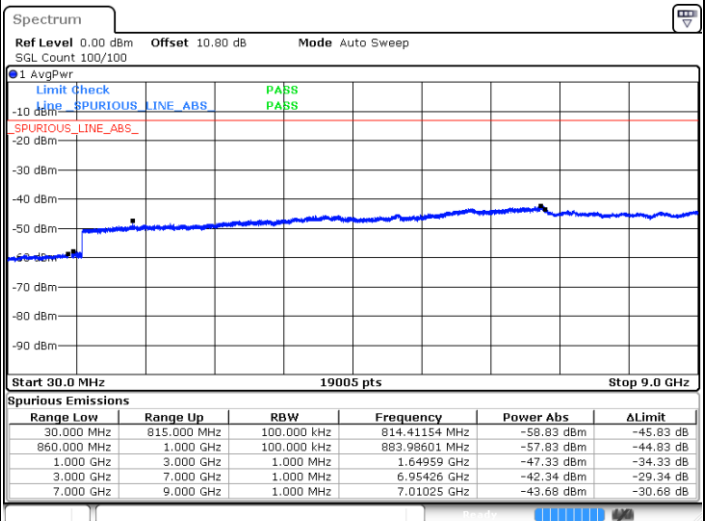
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 27 FEB 2020 19:51:27

Lowest Channel / 16QAM

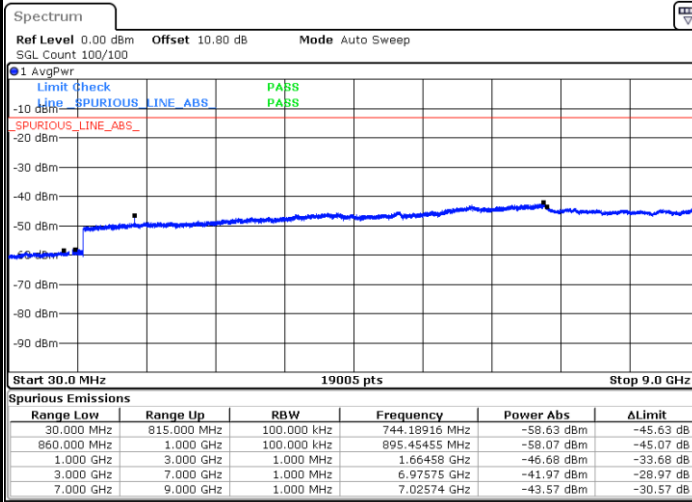


Date: 27 FEB 2020 19:53:07



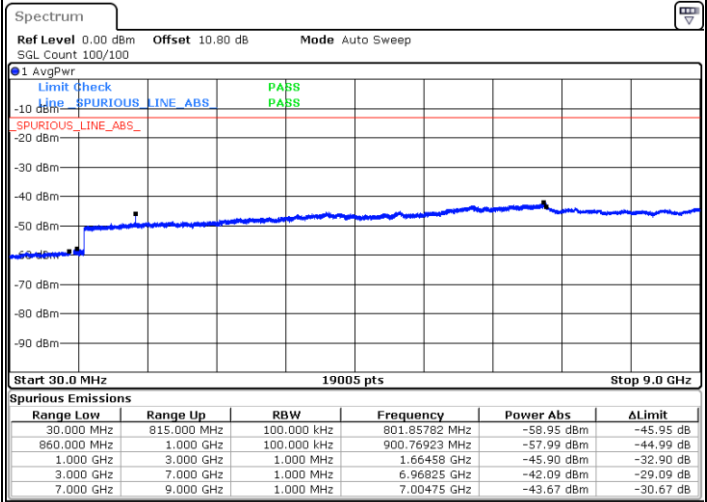
LTE Band 5 / 10MHz

Middle Channel / QPSK



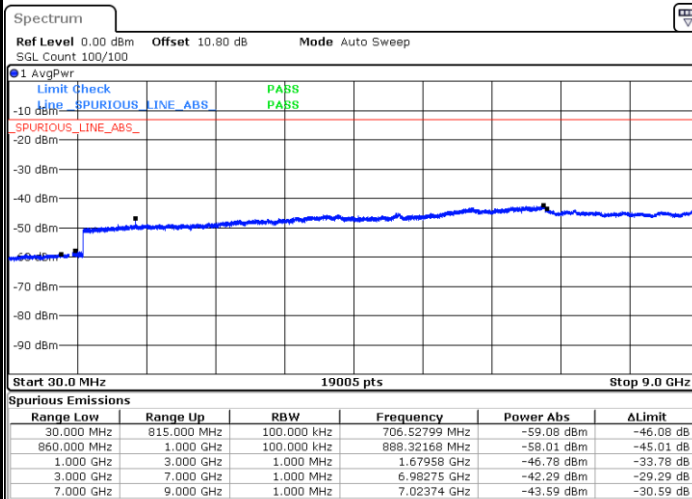
Date: 27 FEB 2020 19:55:32

Middle Channel / 16QAM



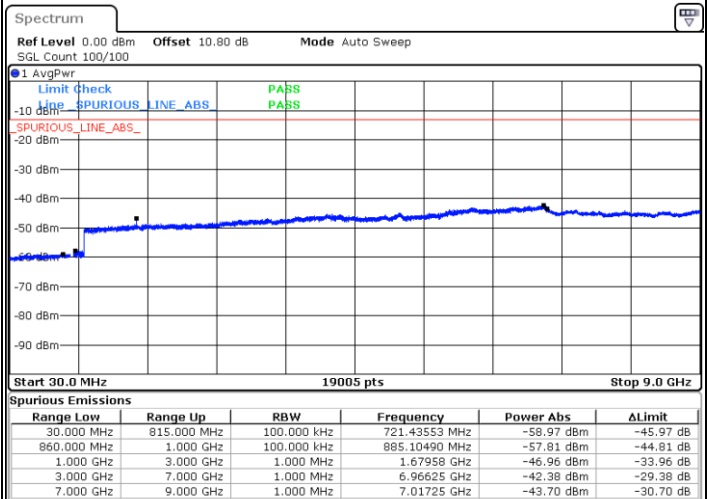
Date: 27 FEB 2020 19:57:11

Highest Channel / QPSK



Date: 27 FEB 2020 20:06:18

Highest Channel / 16QAM

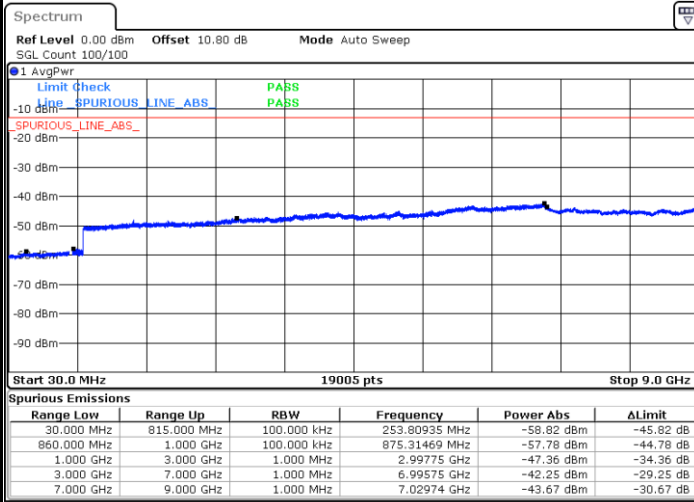


Date: 27 FEB 2020 20:07:58



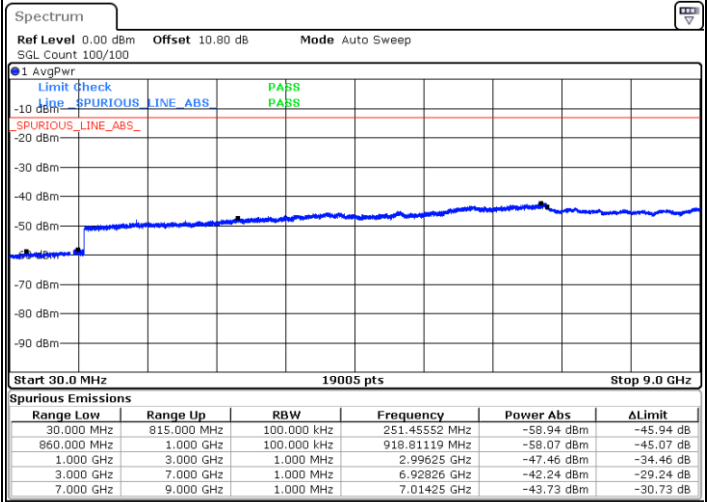
LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM



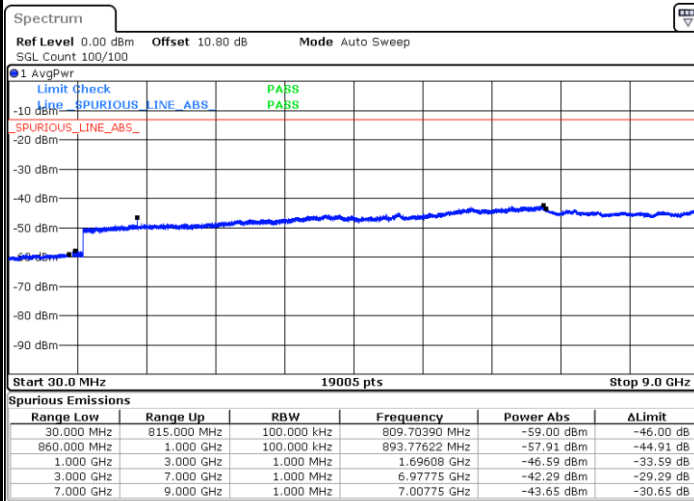
Date: 27.FEB.2020 18:19:36

Middle Channel / 64QAM



Date: 27.FEB.2020 18:21:38

Highest Channel / 64QAM

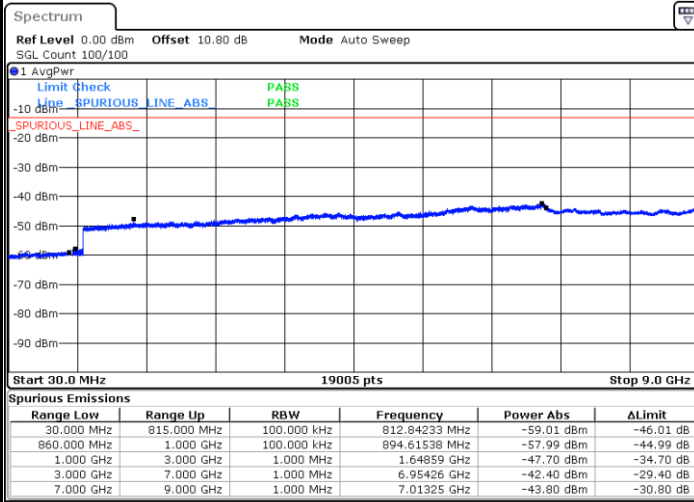


Date: 27.FEB.2020 18:27:01



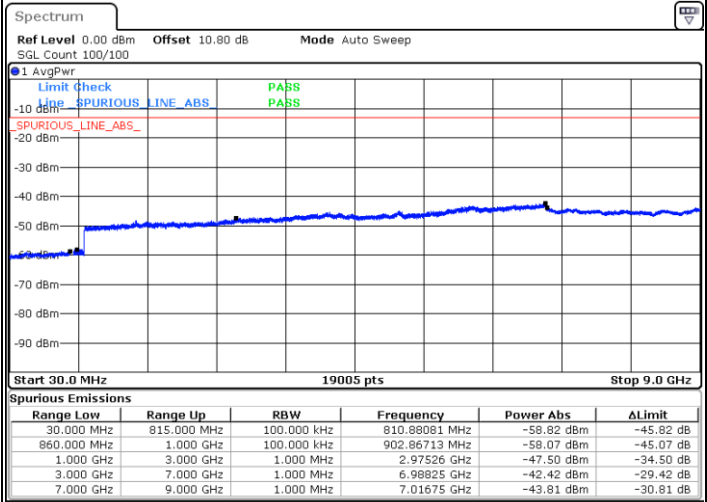
LTE Band 5 / 3MHz

Lowest Channel / 64QAM



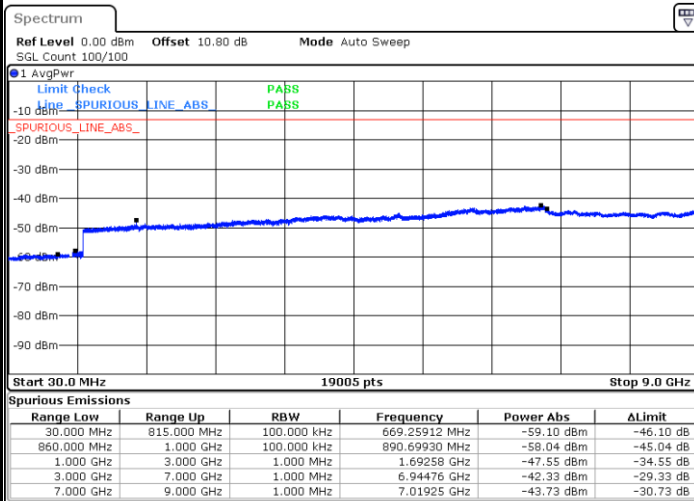
Date: 27.FEB.2020 18:58:04

Middle Channel / 64QAM



Date: 27.FEB.2020 19:00:06

Highest Channel / 64QAM

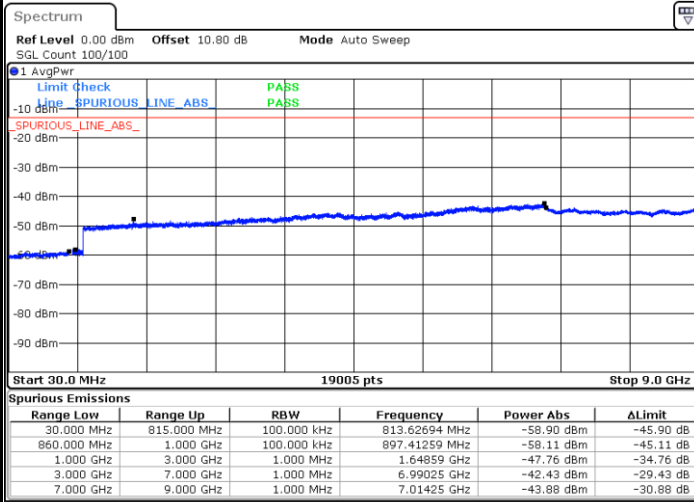


Date: 27.FEB.2020 19:05:29



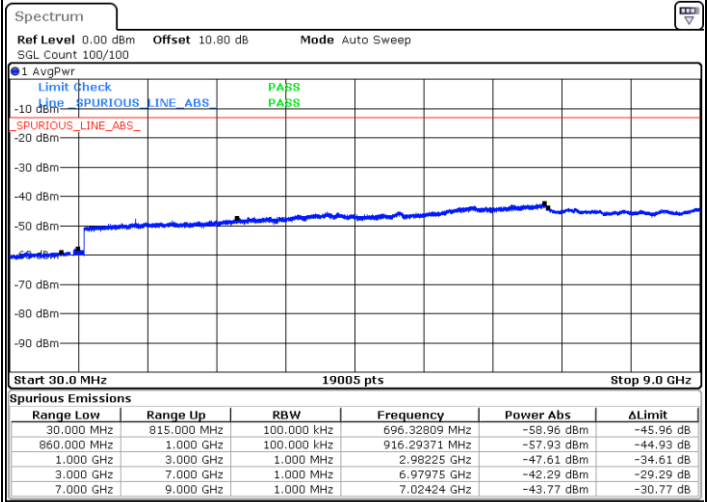
LTE Band 5 / 5MHz

Lowest Channel / 64QAM



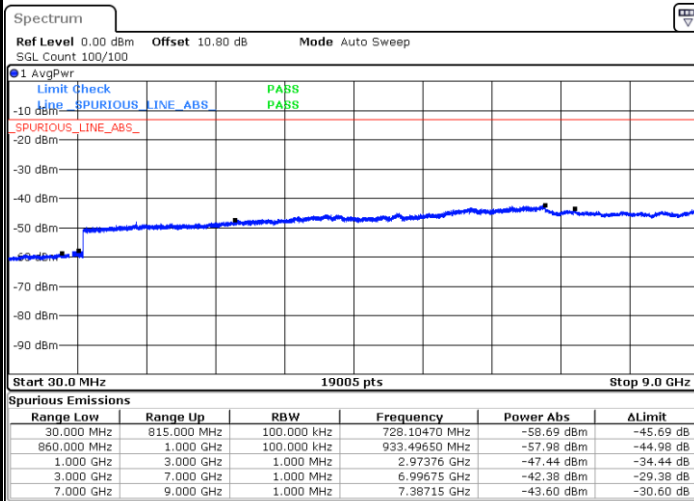
Date: 27.FEB.2020 19:36:32

Middle Channel / 64QAM



Date: 27.FEB.2020 19:38:35

Highest Channel / 64QAM

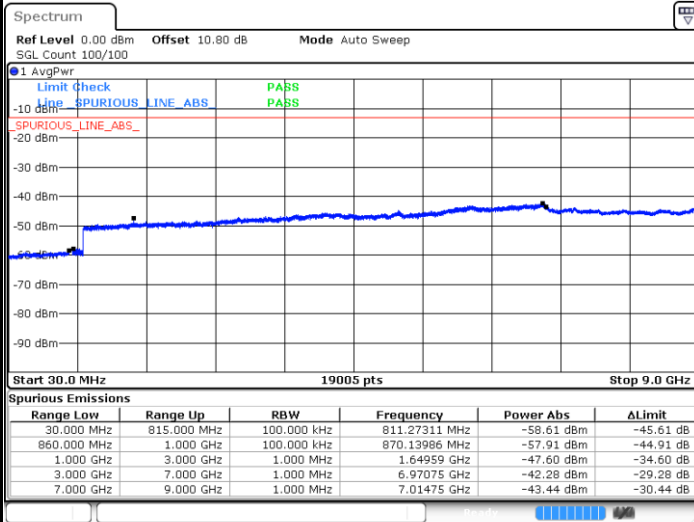


Date: 27.FEB.2020 20:09:40



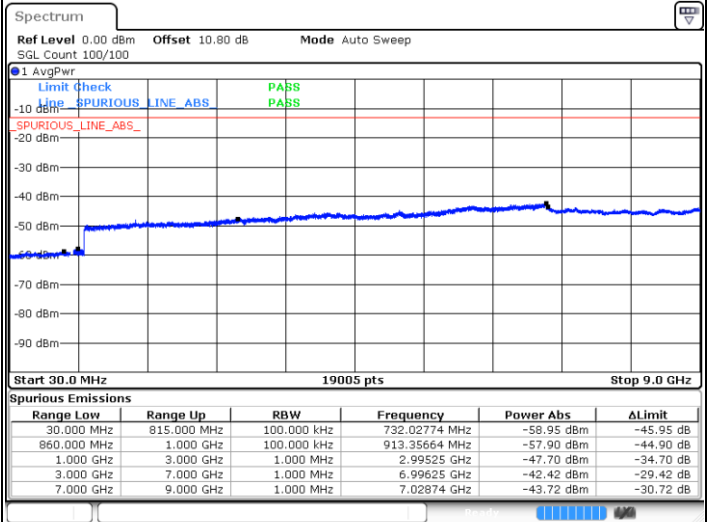
LTE Band 5 / 10MHz

Lowest Channel / 64QAM



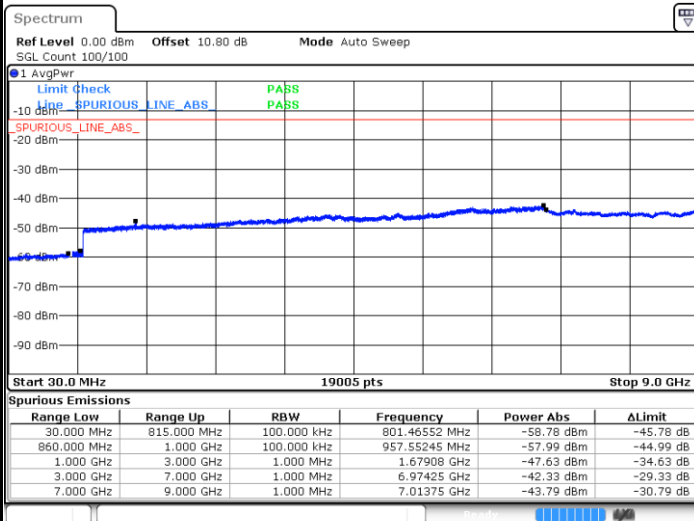
Date: 27.FEB.2020 20:15:05

Middle Channel / 64QAM



Date: 27.FEB.2020 20:17:07

Highest Channel / 64QAM



Date: 27.FEB.2020 20:22:30

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	0.0008	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0073	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0079	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0030	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0094	
20	Maximum Voltage	0.0052	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0025	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



<For Lower Antenna>

LTE Band 5B_CA_Ant. 1

26dB Bandwidth

Mode	LTE Band 5B : 26dB BW(MHz)		
QPSK			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	not supported	not supported	14.54
Middle CH	not supported	not supported	14.51
Highest CH	not supported	not supported	14.60
BW	10MHz+5MHz	10MHz+10MHz	
Lowest CH	14.60	19.54	
Middle CH	14.66	19.58	
Highest CH	14.63	19.66	

Mode	LTE Band 5B : 26dB BW(MHz)		
16QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	not supported	not supported	14.57
Middle CH	not supported	not supported	14.51
Highest CH	not supported	not supported	14.60
BW	10MHz+5MHz	10MHz+10MHz	
Lowest CH	14.63	19.78	
Middle CH	14.57	19.66	
Highest CH	14.57	19.90	

Mode	LTE Band 5B : 26dB BW(MHz)		
64QAM			
BW	3MHz+5MHz	5MHz+3MHz	5MHz+10MHz
Lowest CH	not supported	not supported	14.48
Middle CH	not supported	not supported	14.54
Highest CH	not supported	not supported	14.57
BW	10MHz+5MHz	10MHz+10MHz	
Lowest CH	14.66	19.66	
Middle CH	14.57	19.58	
Highest CH	14.66	19.70	