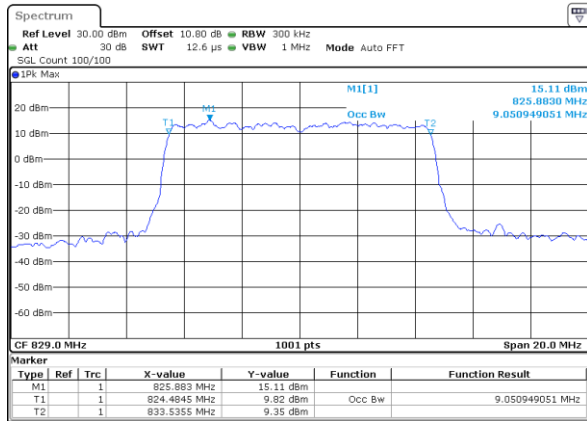




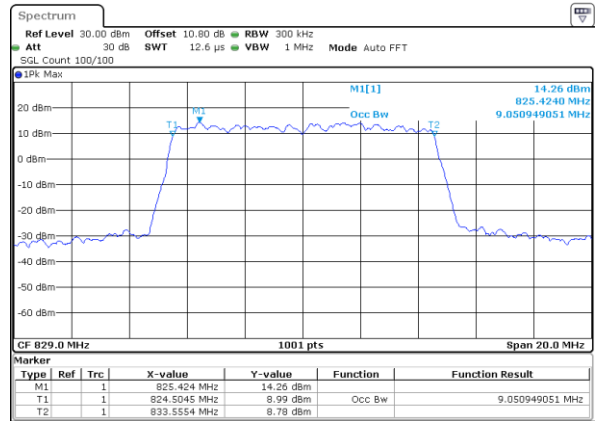
LTE Band 5

Lowest Channel / 10MHz / QPSK



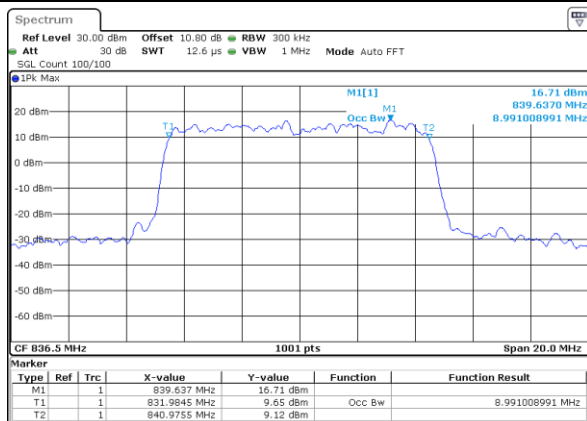
Date: 29.NOV.2019 15:49:45

Lowest Channel / 10MHz / 16QAM



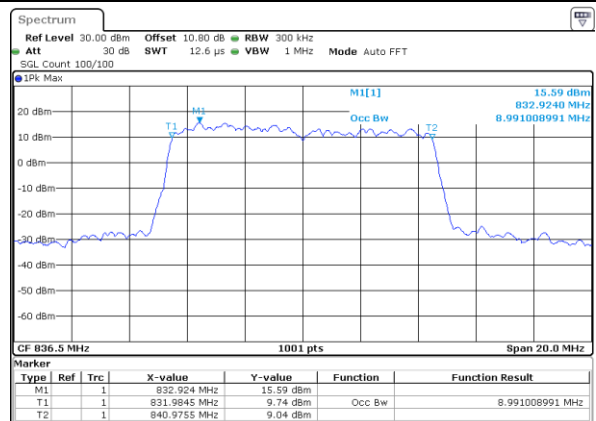
Date: 29.NOV.2019 15:49:57

Middle Channel / 10MHz / QPSK



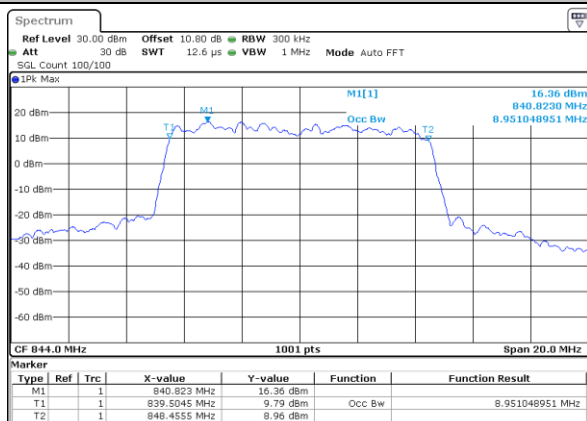
Date: 29.NOV.2019 15:58:38

Middle Channel / 10MHz / 16QAM



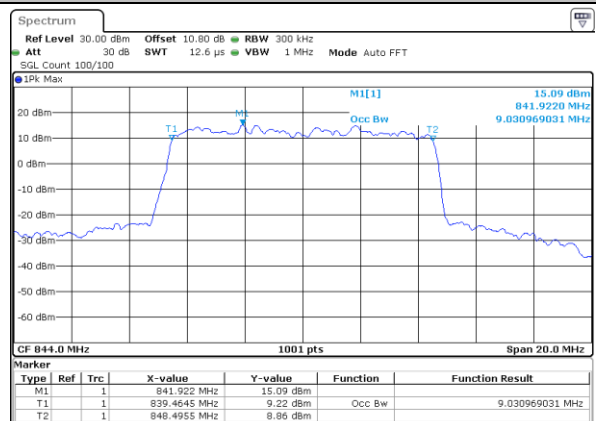
Date: 29.NOV.2019 15:58:50

Highest Channel / 10MHz / QPSK



Date: 29.NOV.2019 16:00:51

Highest Channel / 10MHz / 16QAM

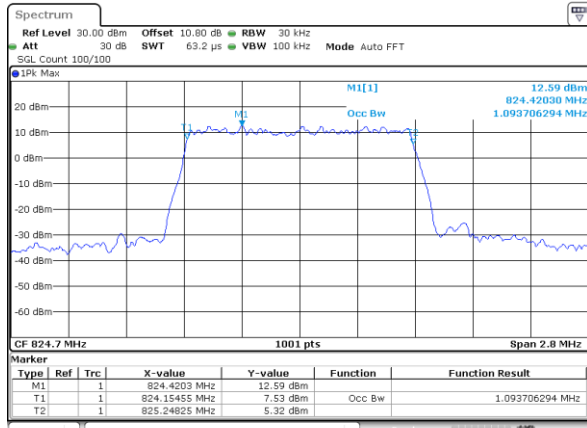


Date: 29.NOV.2019 16:01:03

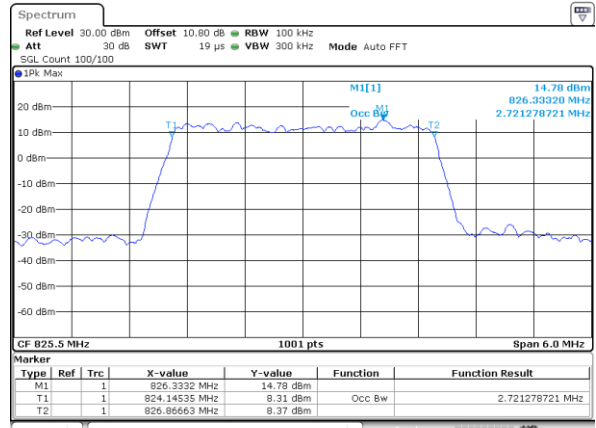


LTE Band 5

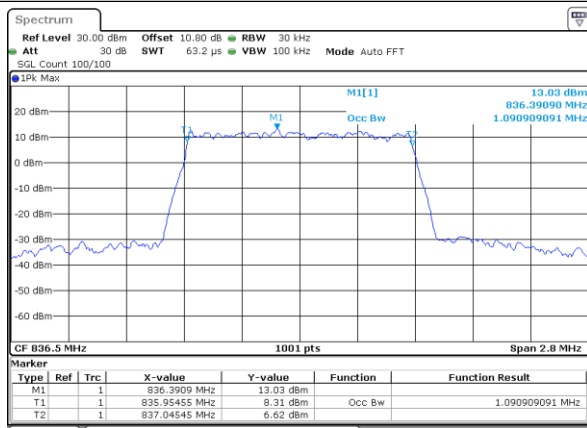
Lowest Channel / 1.4MHz / 64QAM



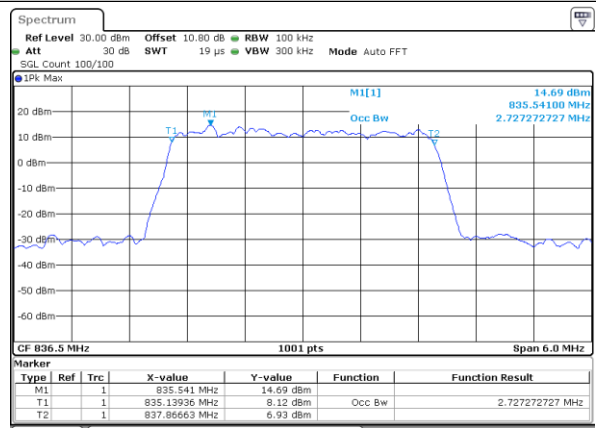
Lowest Channel / 3MHz / 64QAM



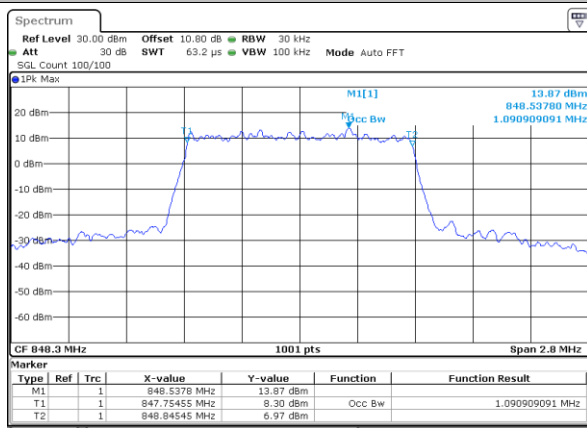
Middle Channel / 1.4MHz / 64QAM



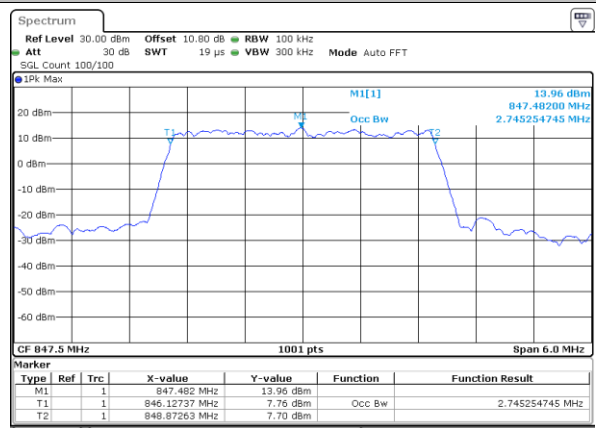
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



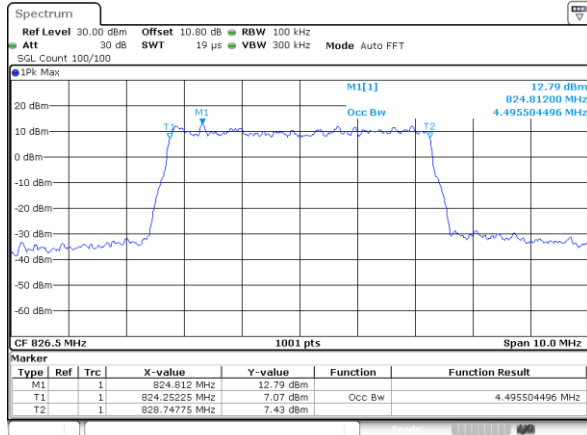
Highest Channel / 3MHz / 64QAM





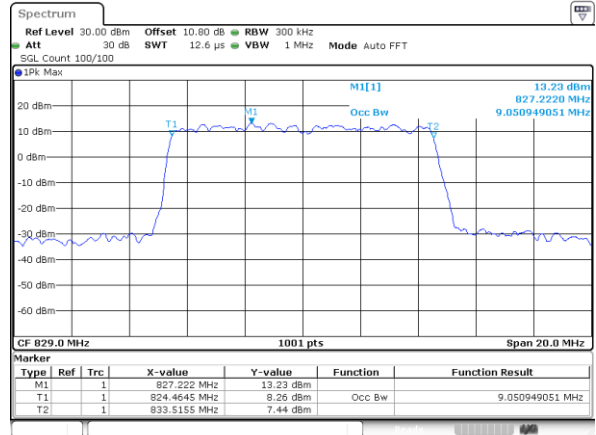
LTE Band 5

Lowest Channel / 5MHz / 64QAM



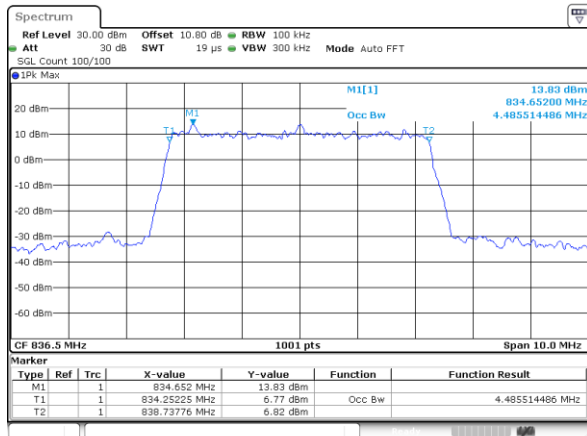
Date: 29.NOV.2019 15:40:20

Lowest Channel / 10MHz / 64QAM



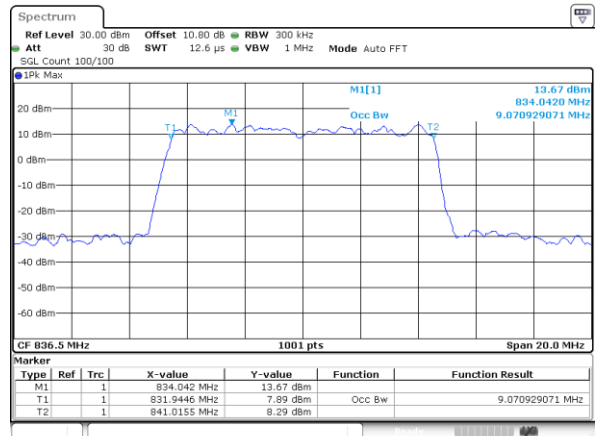
Date: 29.NOV.2019 16:10:29

Middle Channel / 5MHz / 64QAM



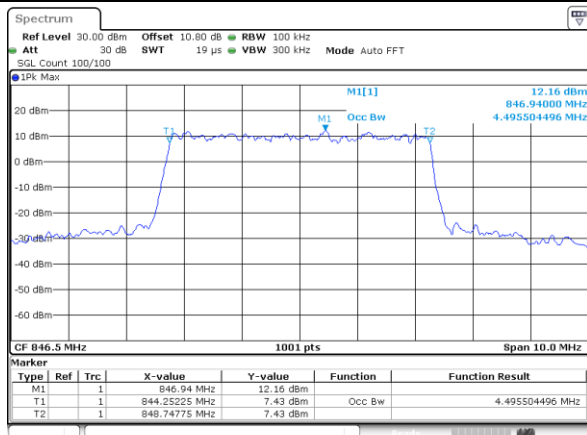
Date: 29.NOV.2019 15:44:54

Middle Channel / 10MHz / 64QAM



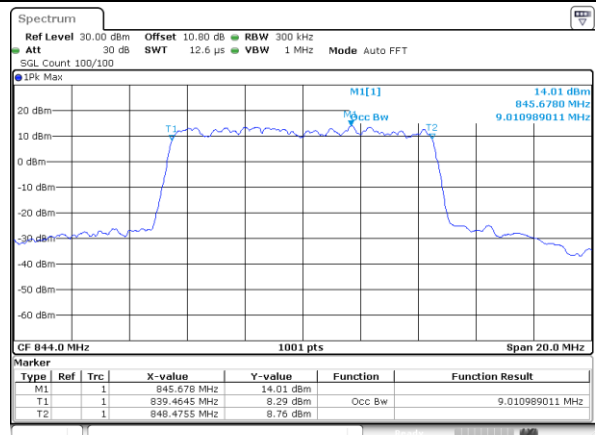
Date: 29.NOV.2019 16:14:56

Highest Channel / 5MHz / 64QAM

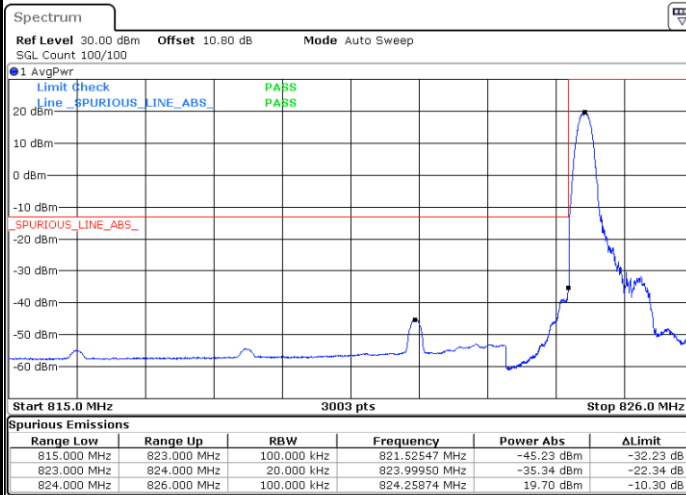
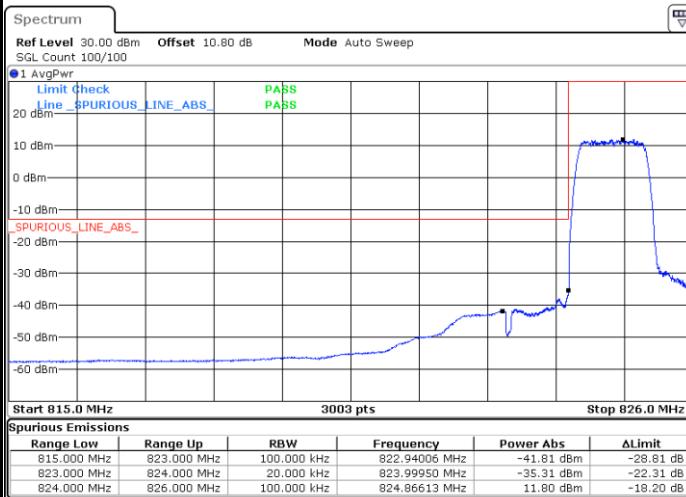
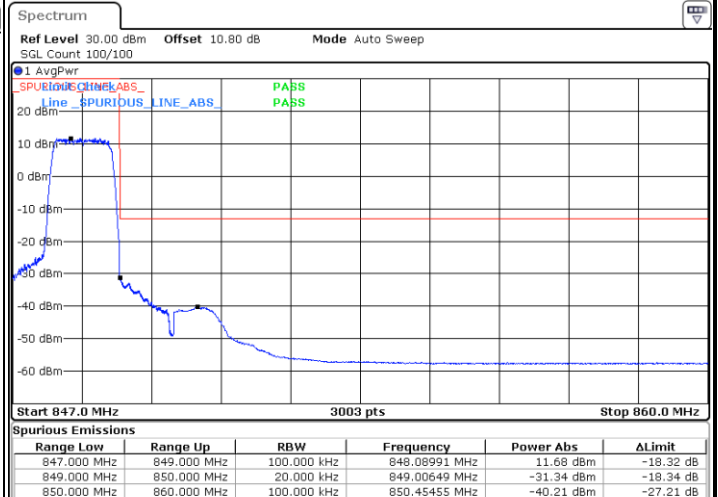


Date: 29.NOV.2019 15:46:01

Highest Channel / 10MHz / 64QAM



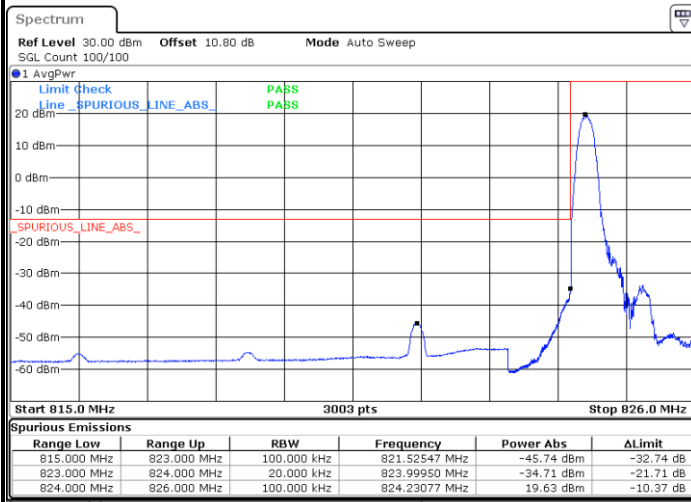
Date: 29.NOV.2019 16:16:02

**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**



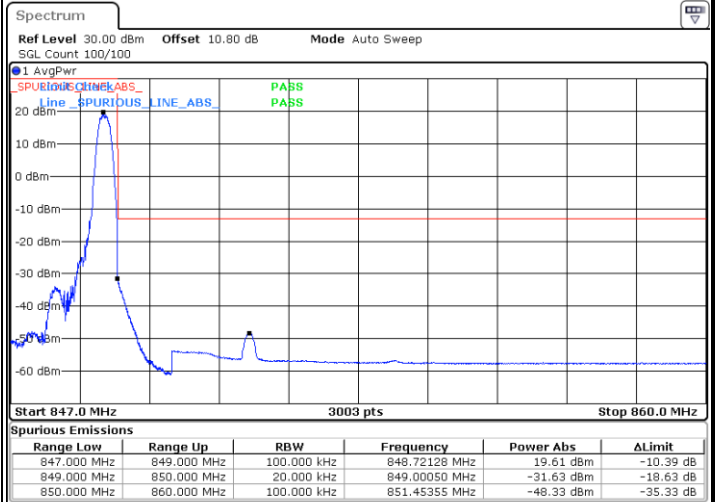
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



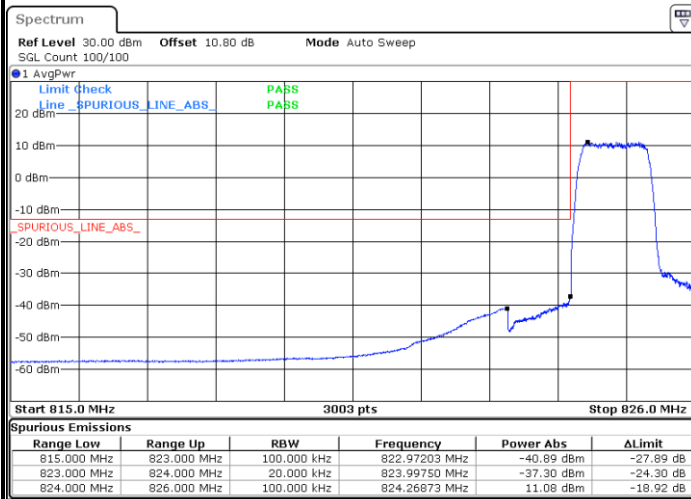
Date: 29.NOV.2019 14:21:00

Highest Band Edge / 1 RB



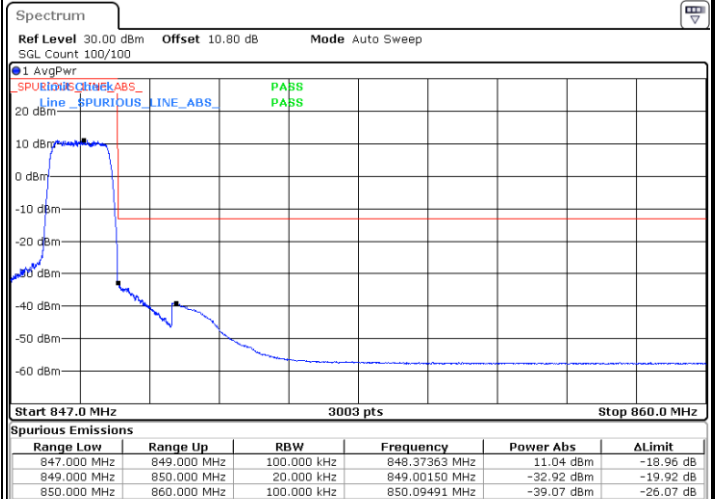
Date: 29.NOV.2019 14:35:26

Lowest Band Edge / Full RB



Date: 29.NOV.2019 14:24:19

Highest Band Edge / Full RB

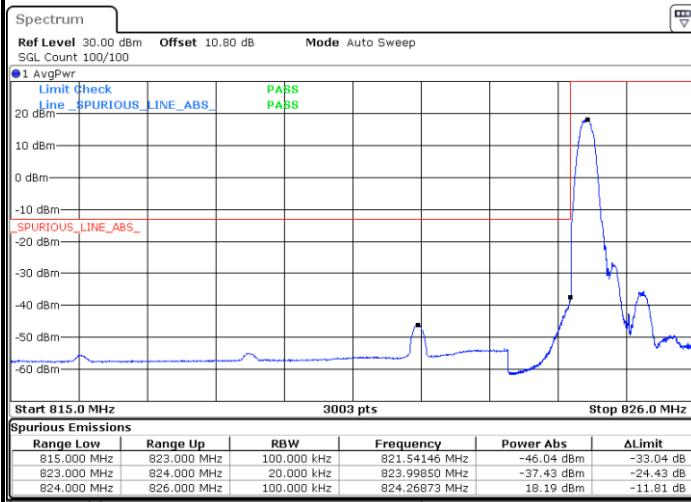


Date: 29.NOV.2019 14:32:07

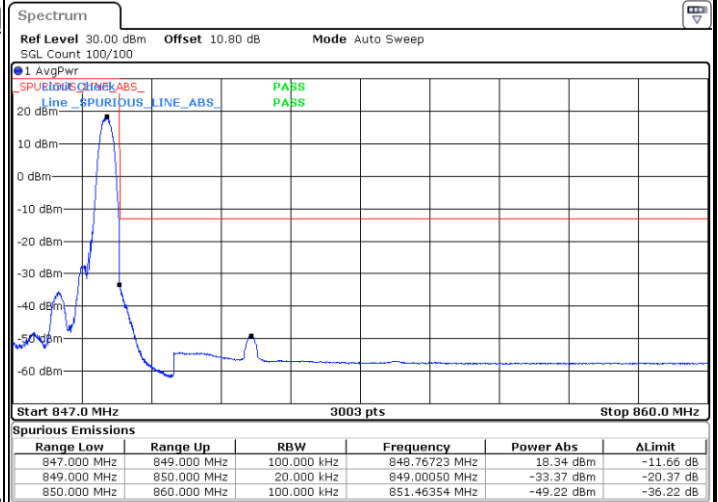


LTE Band 5 / 1.4MHz / 64QAM

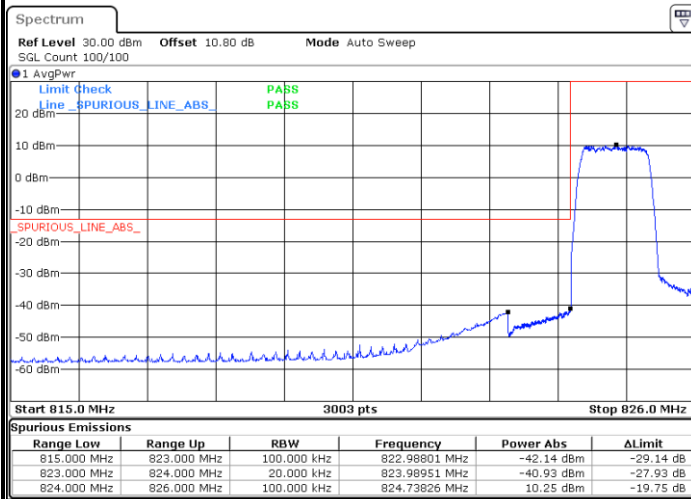
Lowest Band Edge / 1 RB



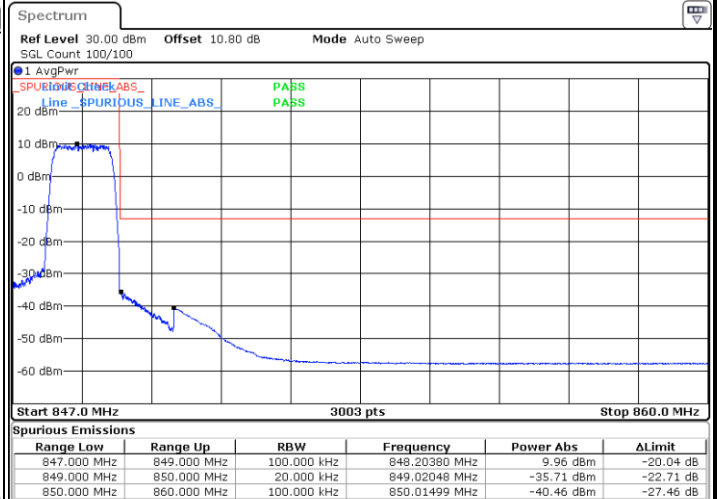
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



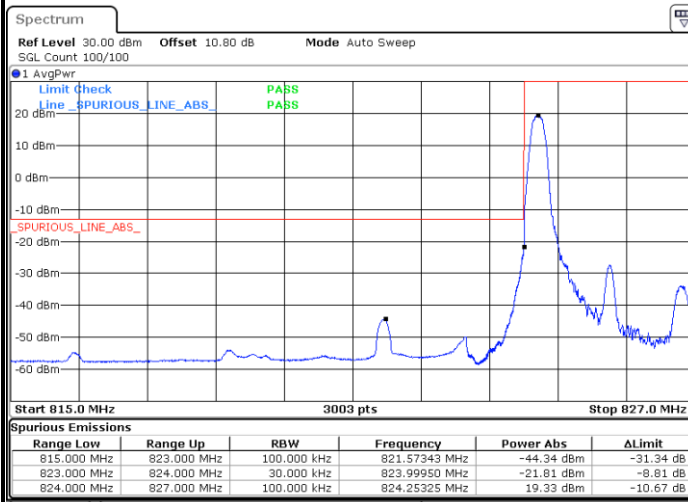
Highest Band Edge / Full RB



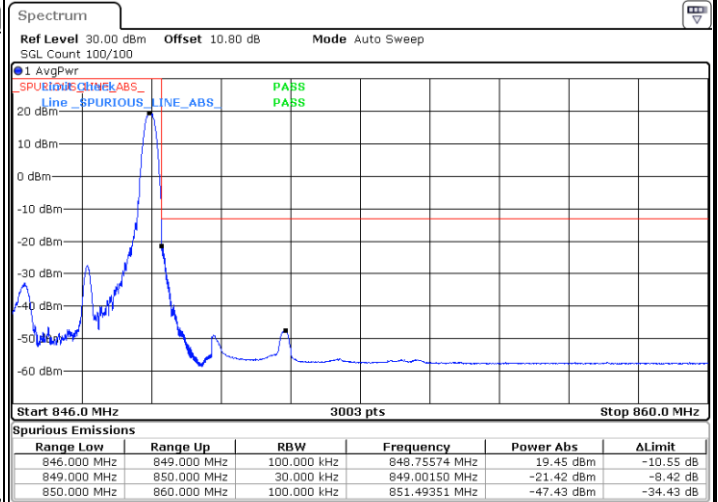


LTE Band 5 / 3MHz / QPSK

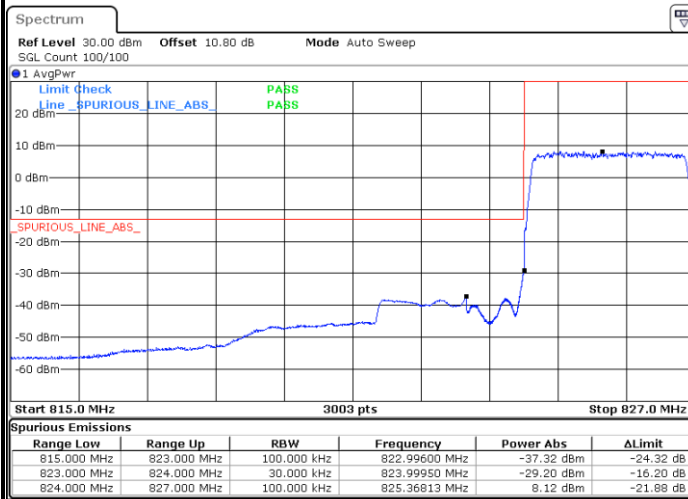
Lowest Band Edge / 1RB



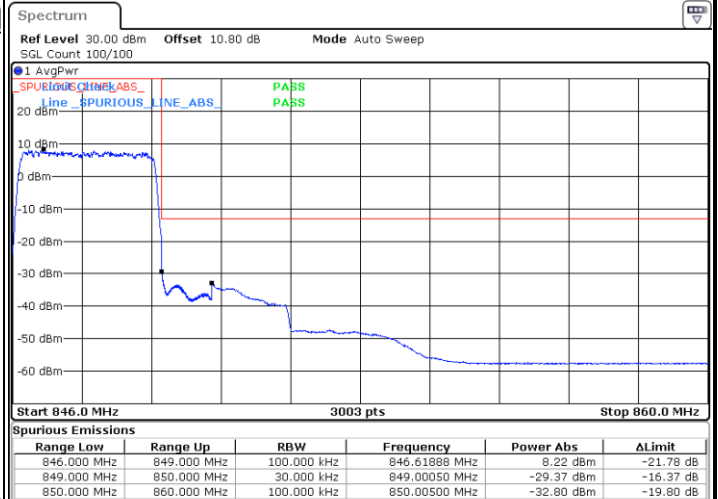
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



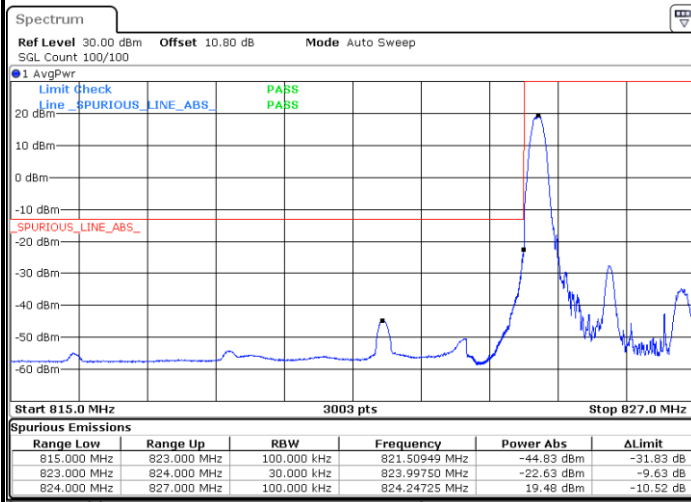
Highest Band Edge / Full RB





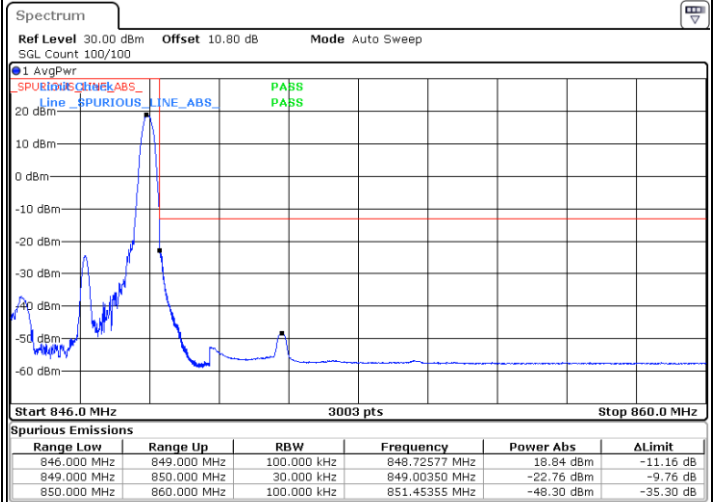
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



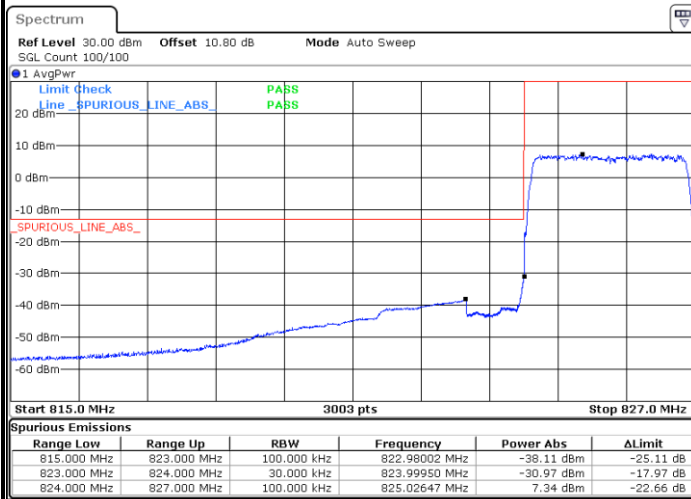
Date: 29.NOV.2019 14:51:04

Highest Band Edge / 1 RB



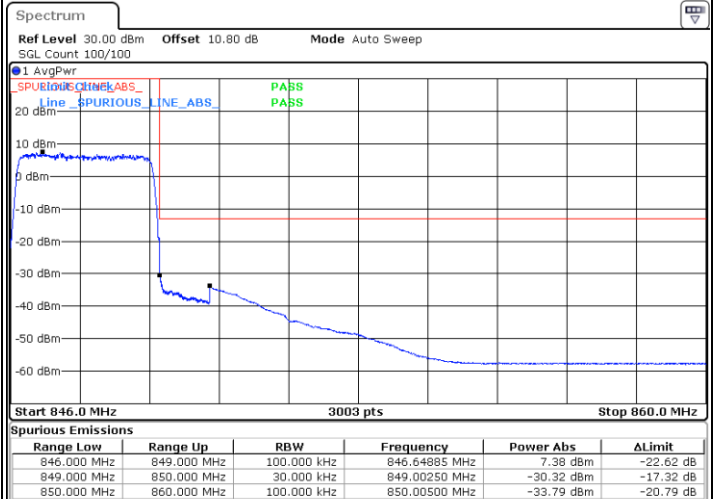
Date: 29.NOV.2019 15:05:27

Lowest Band Edge / Full RB



Date: 29.NOV.2019 14:54:24

Highest Band Edge / Full RB

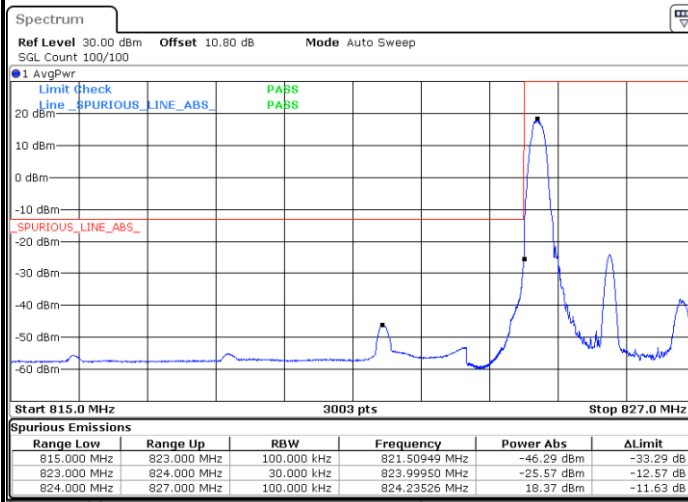


Date: 29.NOV.2019 15:08:47

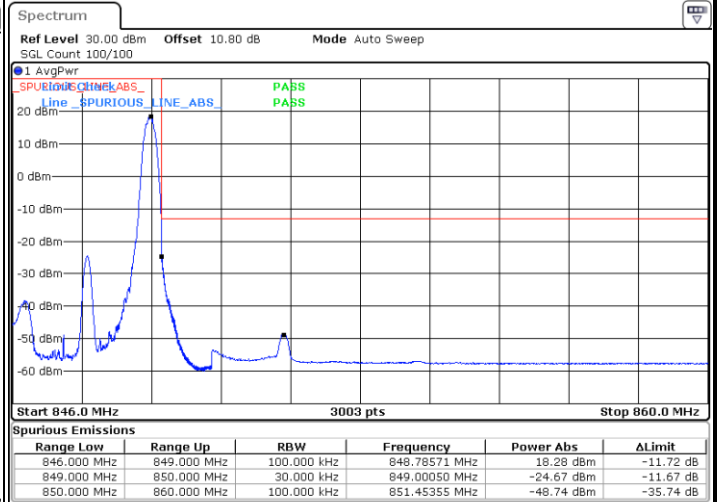


LTE Band 5 / 3MHz / 64QAM

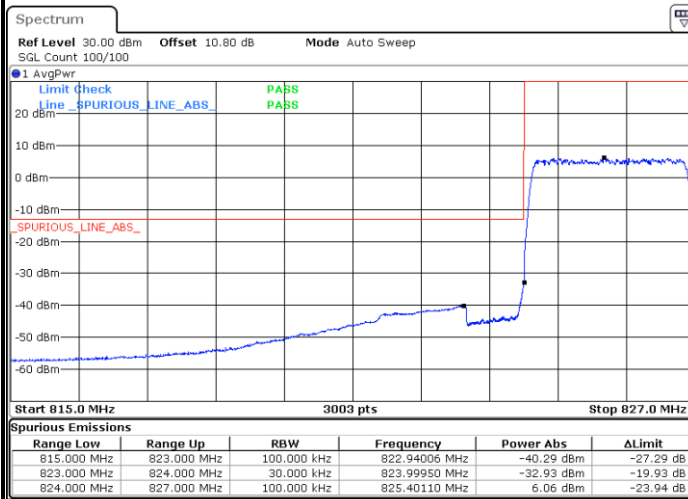
Lowest Band Edge / 1 RB



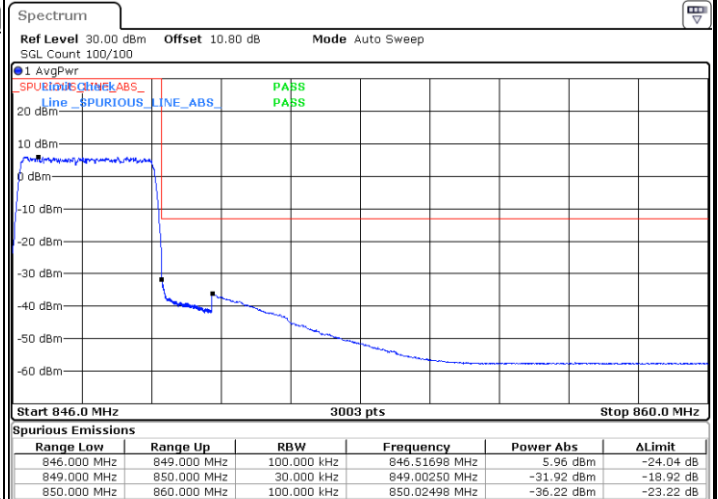
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



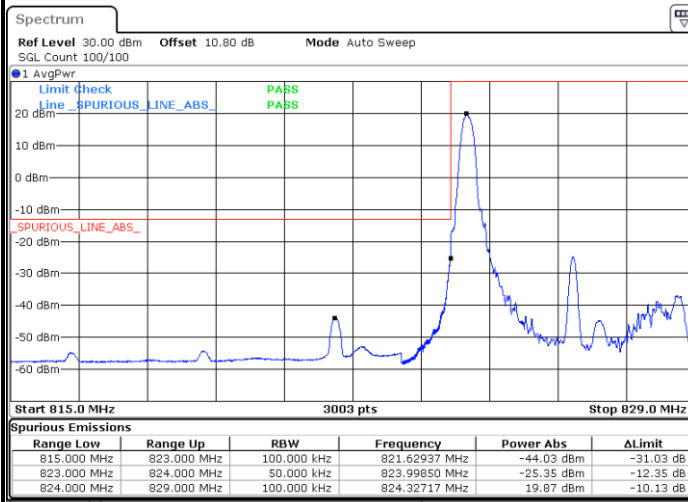
Highest Band Edge / Full RB



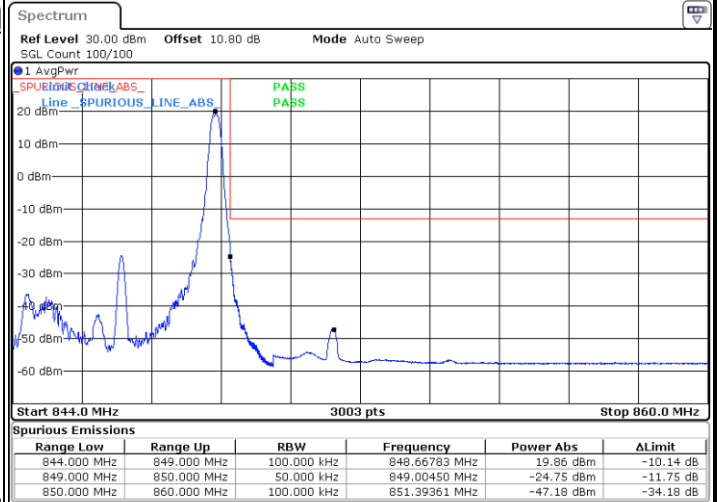


LTE Band 5 / 5MHz / QPSK

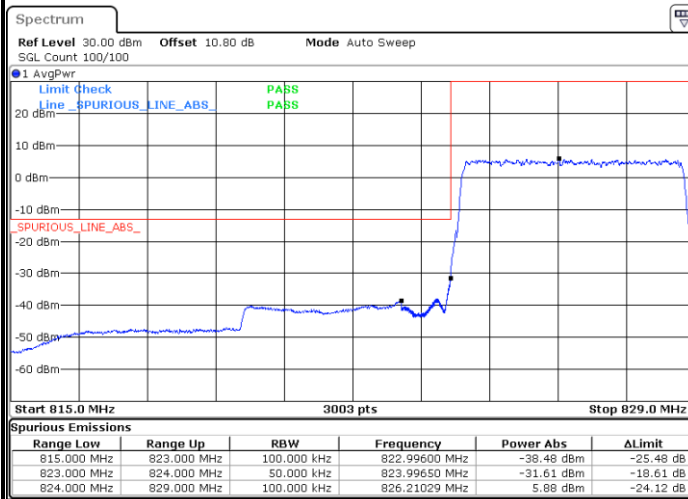
Lowest Band Edge / 1 RB



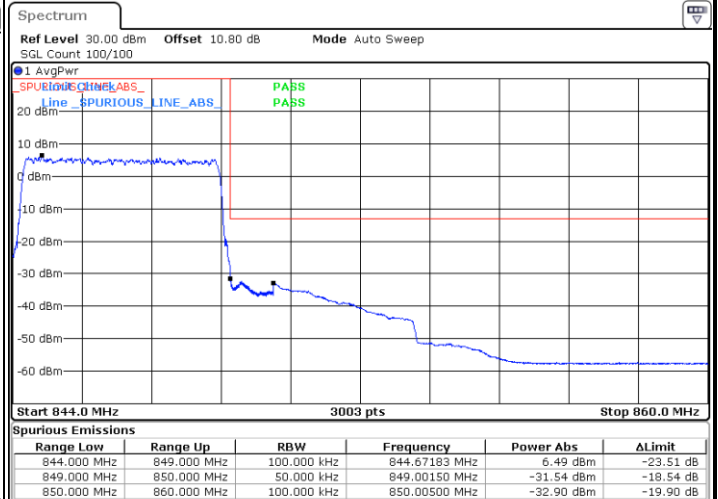
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



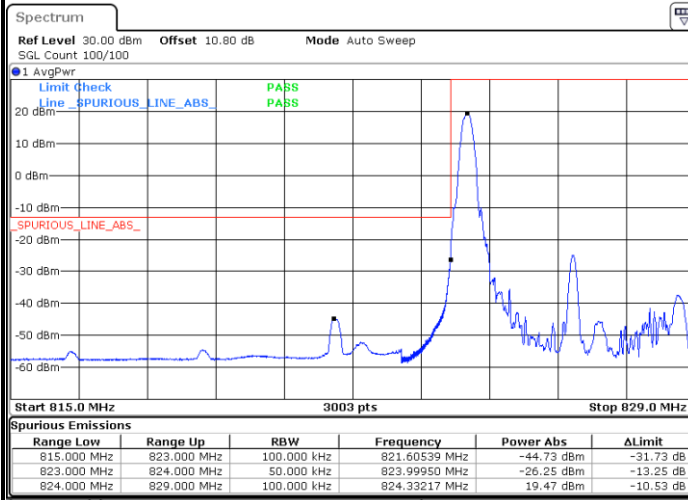
Highest Band Edge / Full RB



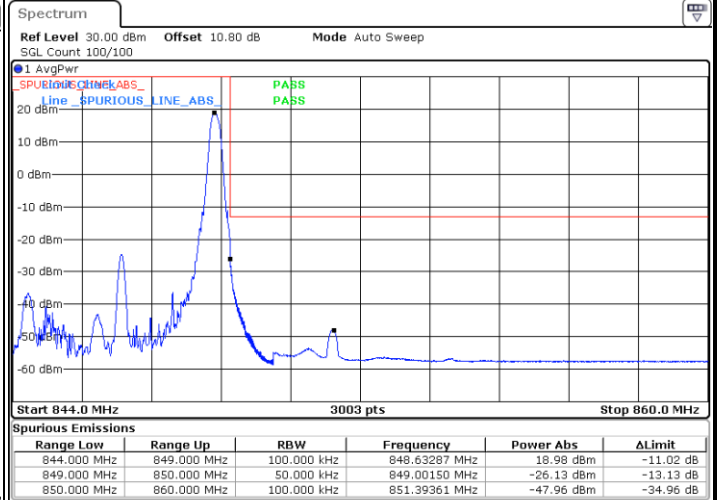


LTE Band 5 / 5MHz / 16QAM

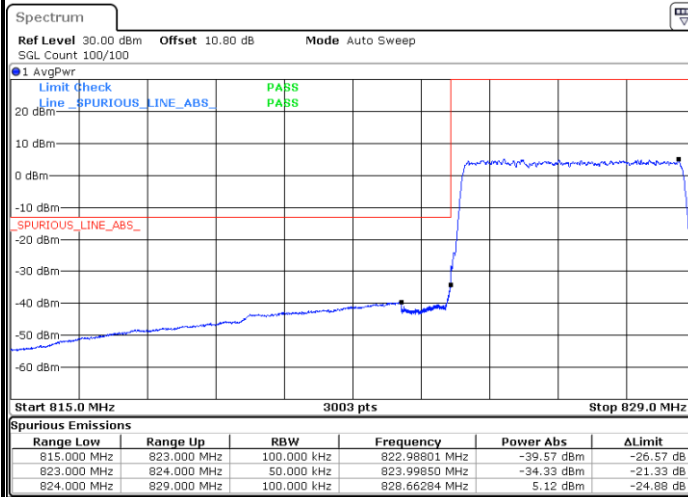
Lowest Band Edge / 1RB



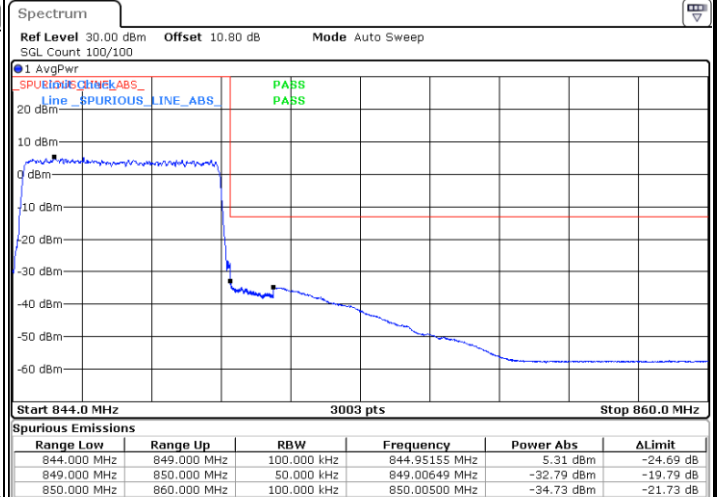
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



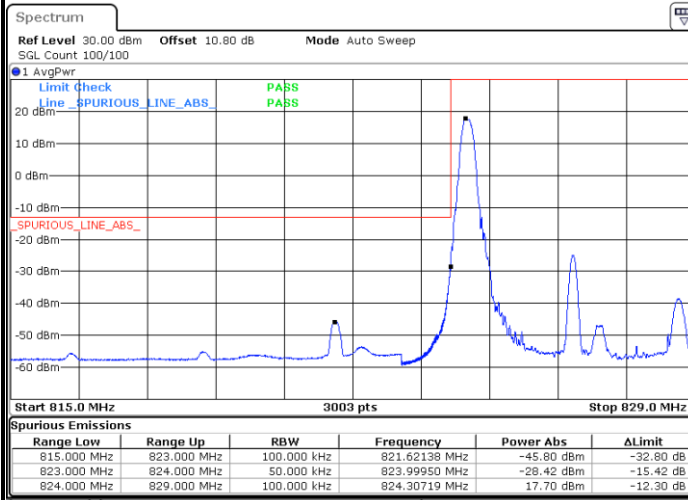
Highest Band Edge / Full RB



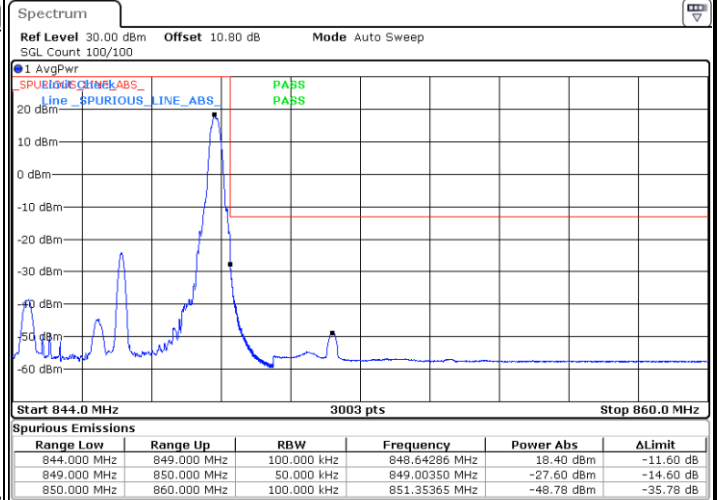


LTE Band 5 / 5MHz / 64QAM

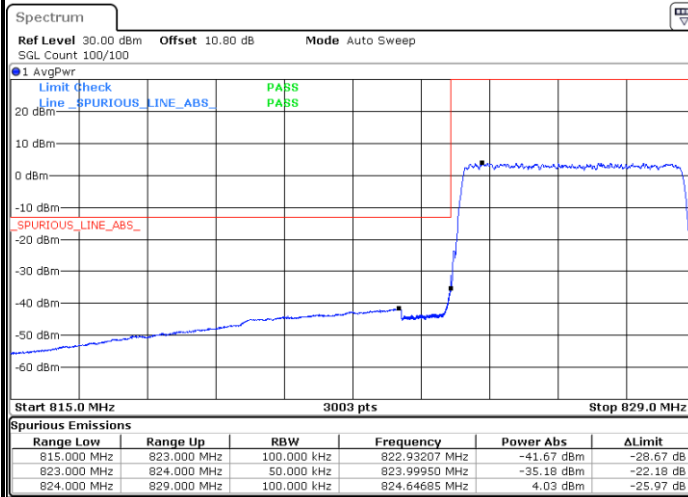
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



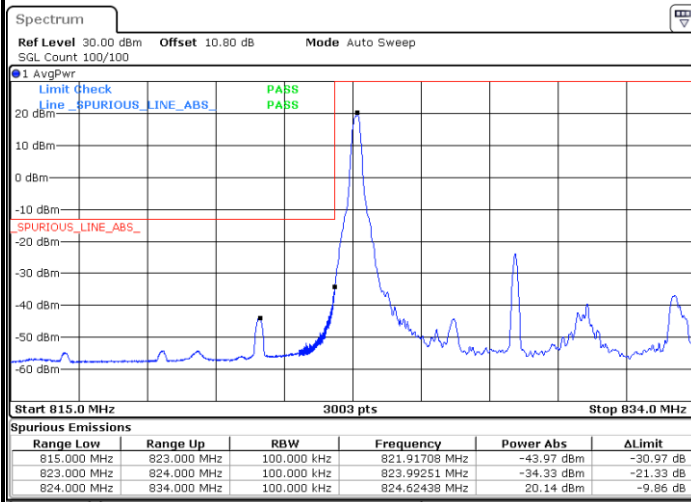
Highest Band Edge / Full RB



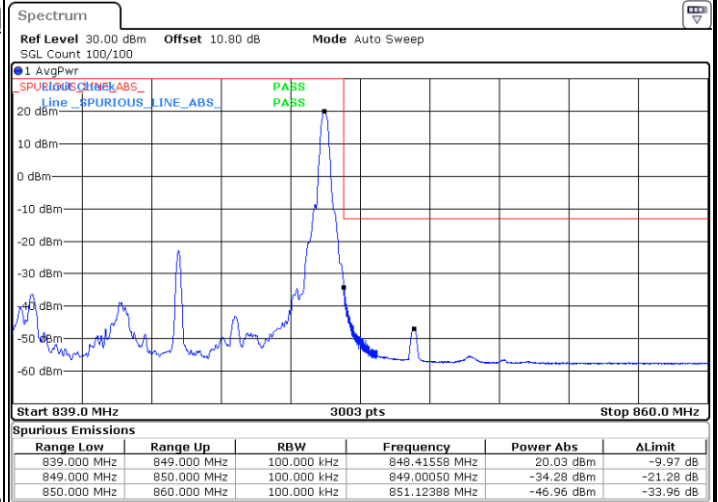


LTE Band 5 / 10MHz / QPSK

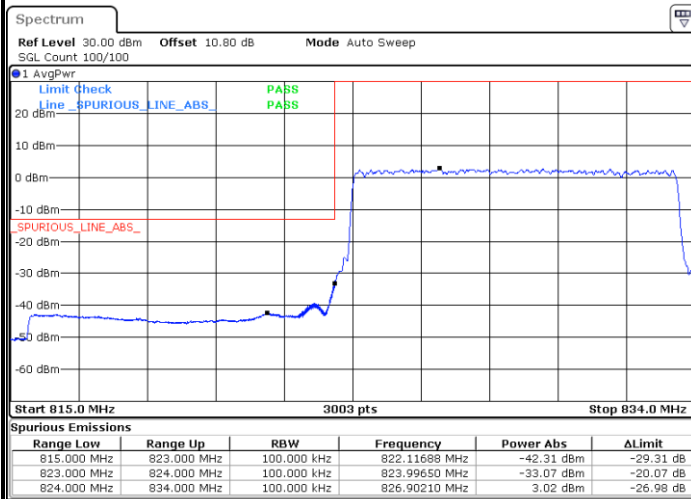
Lowest Band Edge / 1 RB



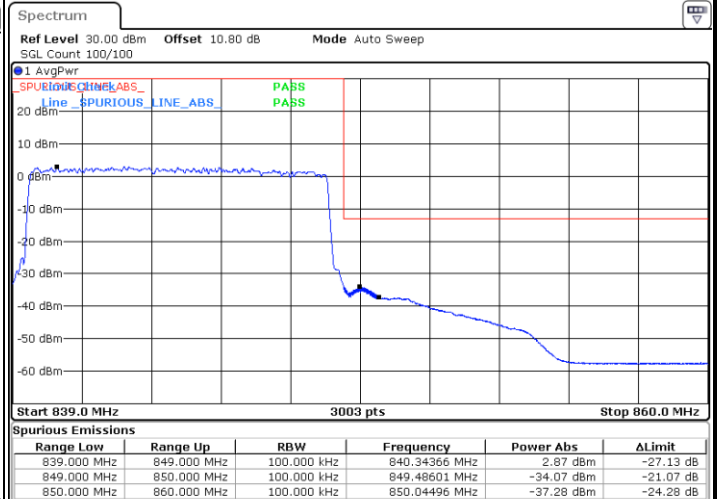
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



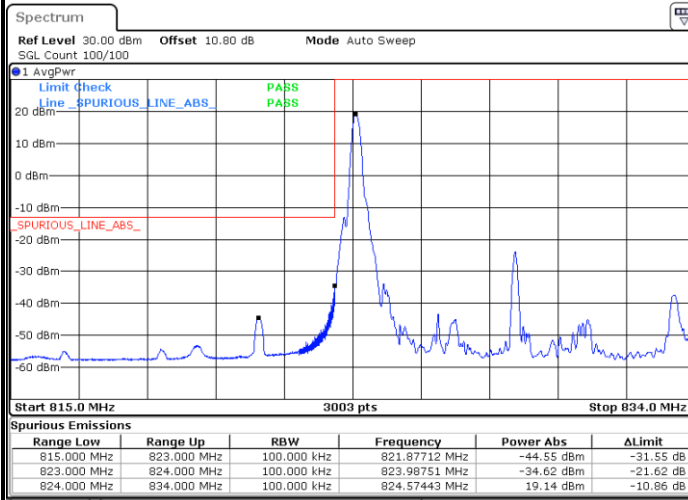
Highest Band Edge / Full RB



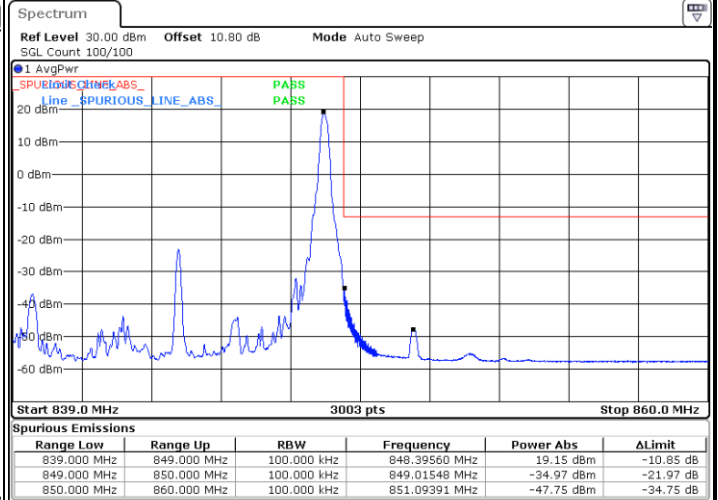


LTE Band 5 / 10MHz / 16QAM

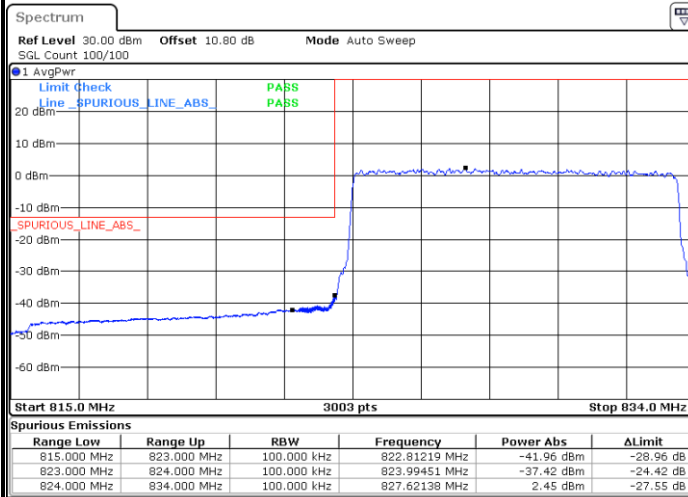
Lowest Band Edge / 1 RB



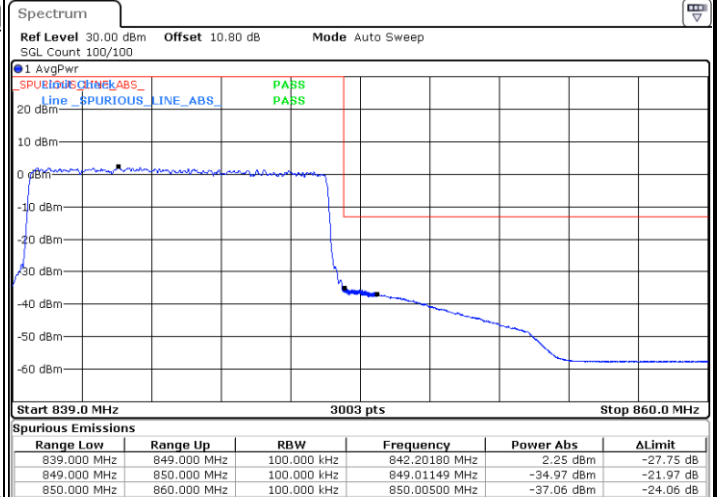
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



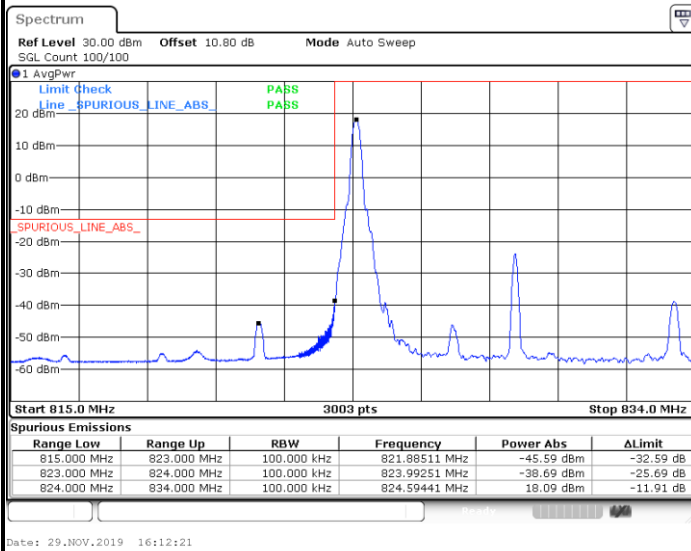
Highest Band Edge / Full RB



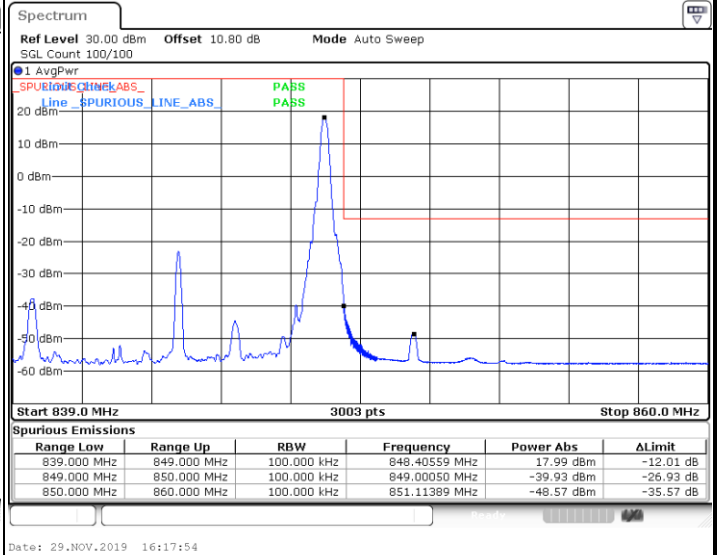


LTE Band 5 / 10MHz / 64QAM

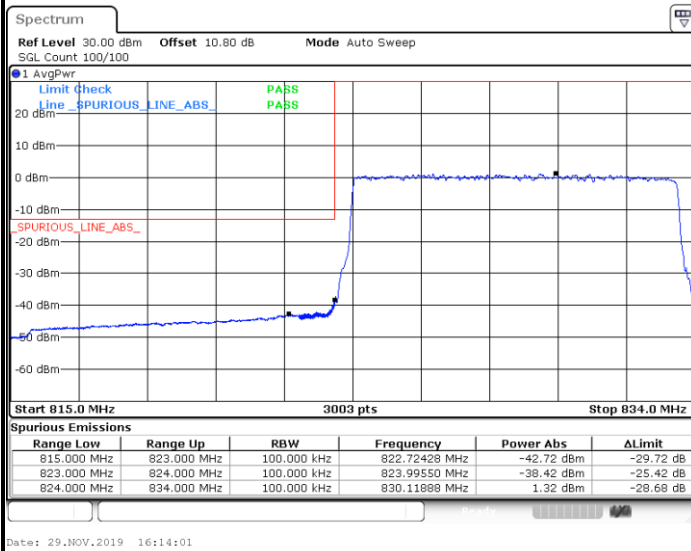
Lowest Band Edge / 1 RB



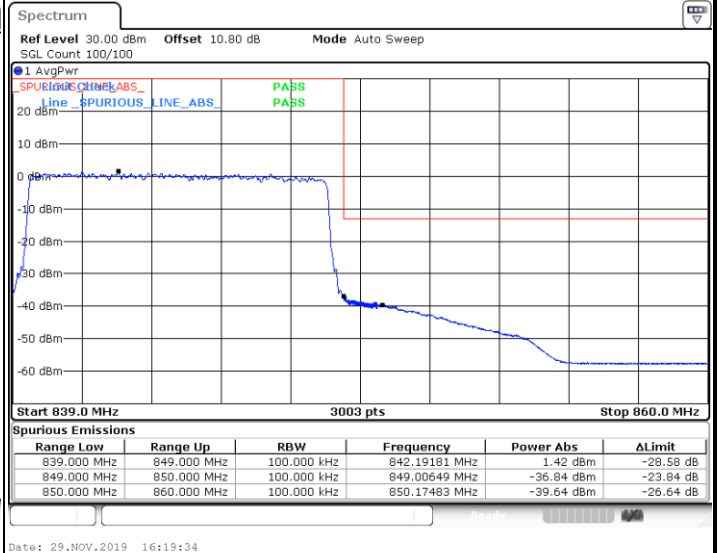
Highest Band Edge / 1 RB

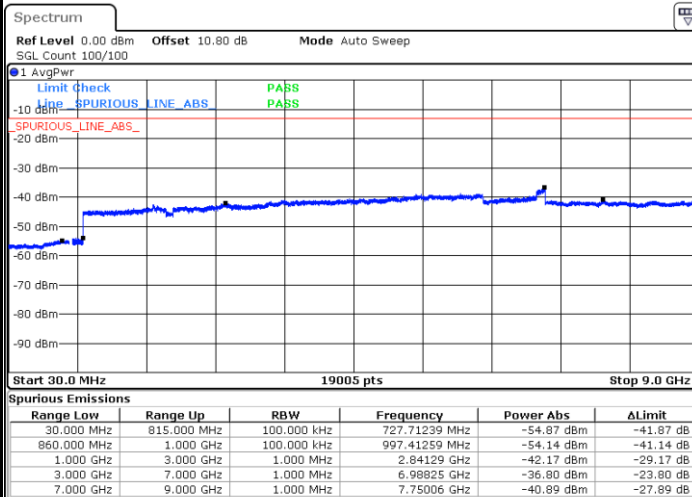


Lowest Band Edge / Full RB

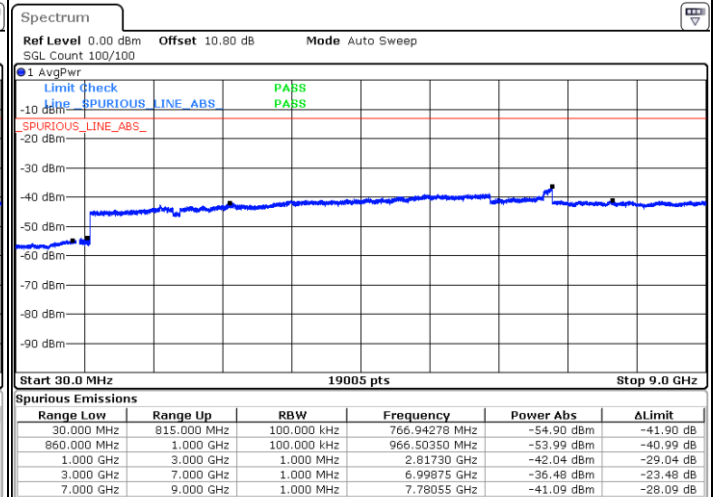


Highest Band Edge / Full RB

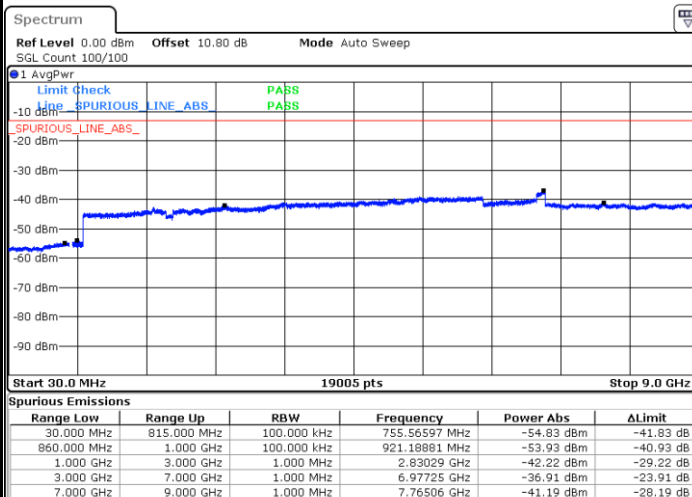


**Conducted Spurious Emission****LTE Band 5 / 1.4MHz****Lowest Channel / QPSK**

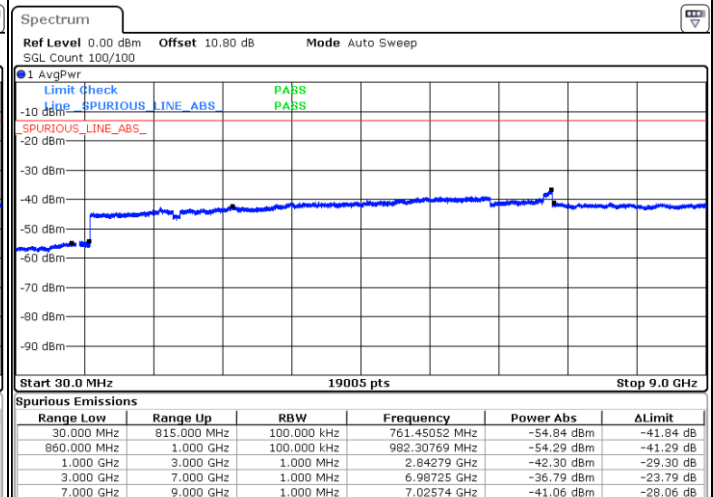
Date: 29.NOV.2019 14:25:02

Lowest Channel / 16QAM

Date: 29.NOV.2019 14:25:45

Middle Channel / QPSK

Date: 29.NOV.2019 14:27:15

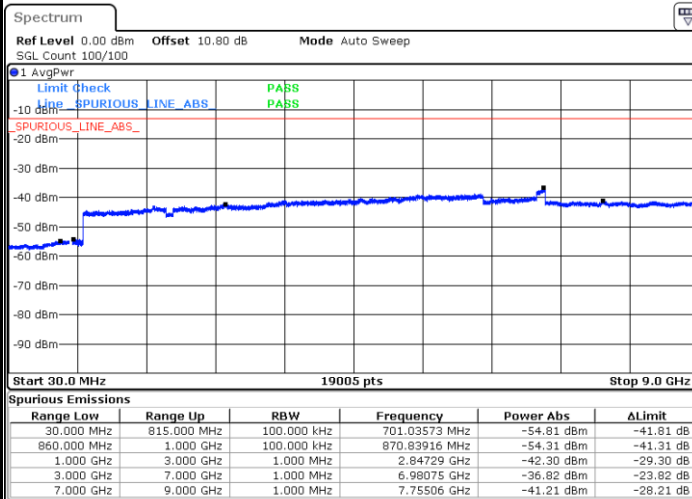
Middle Channel / 16QAM

Date: 29.NOV.2019 14:27:58



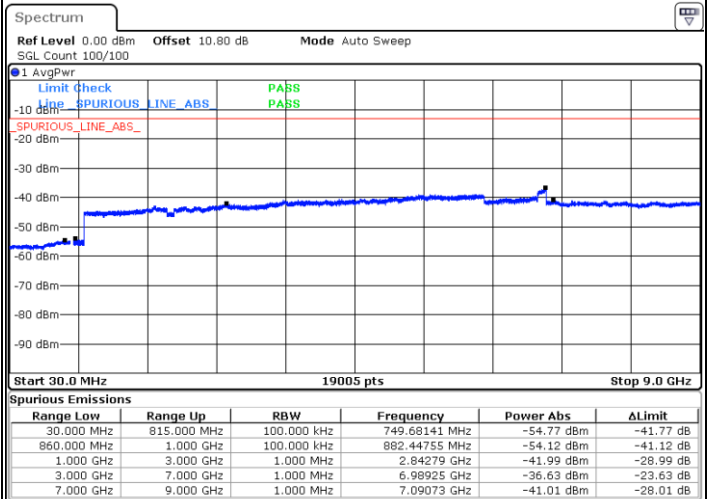
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 29.NOV.2019 14:36:09

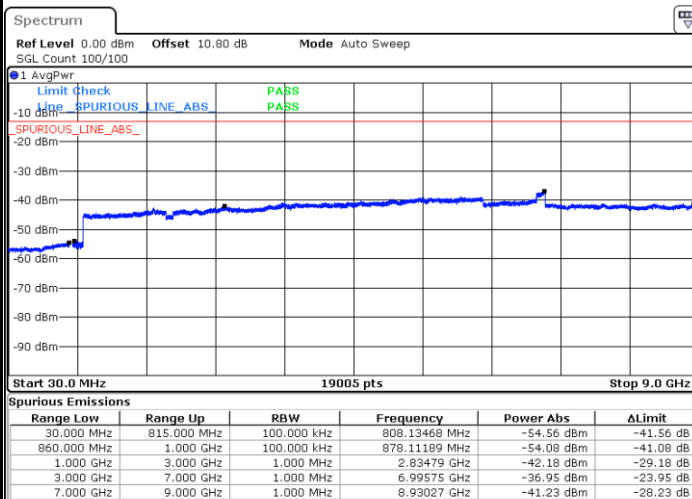
Highest Channel / 16QAM



Date: 29.NOV.2019 14:36:53

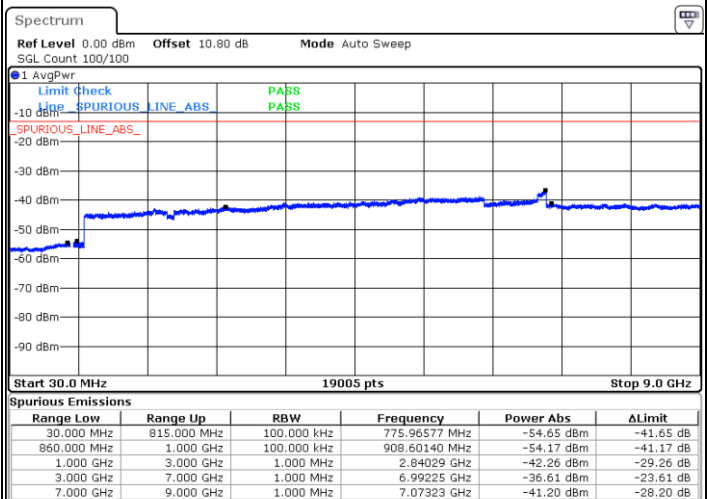
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 29.NOV.2019 14:55:07

Lowest Channel / 16QAM

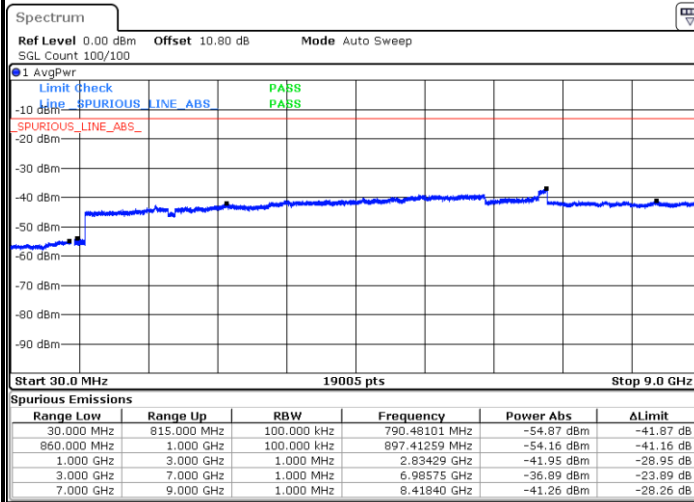


Date: 29.NOV.2019 14:55:50



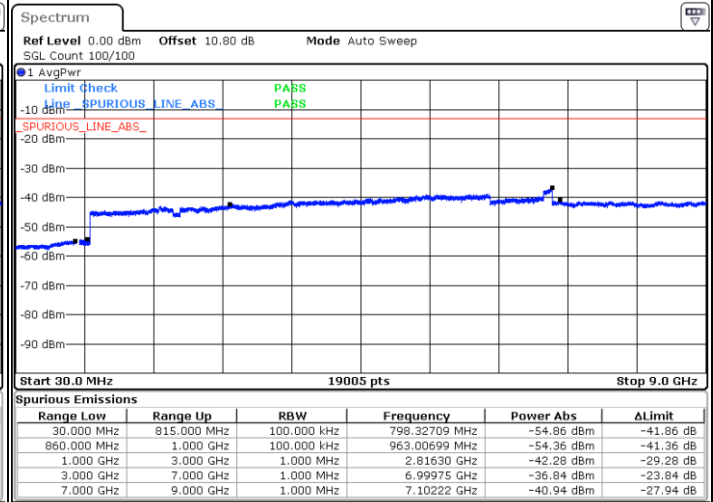
LTE Band 5 / 3MHz

Middle Channel / QPSK



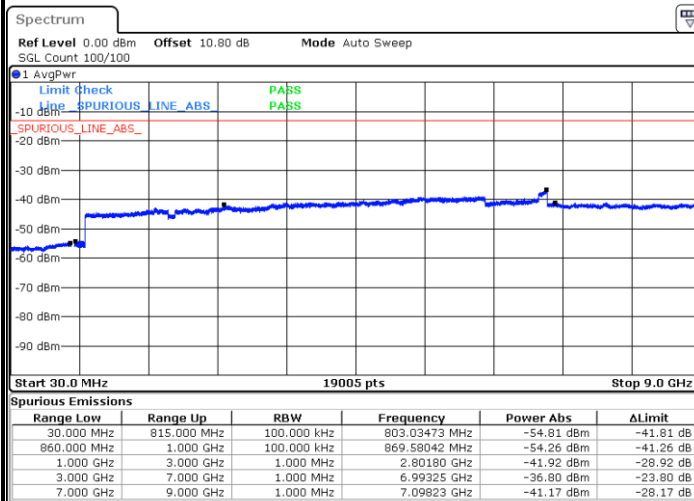
Date: 29.NOV.2019 14:57:20

Middle Channel / 16QAM



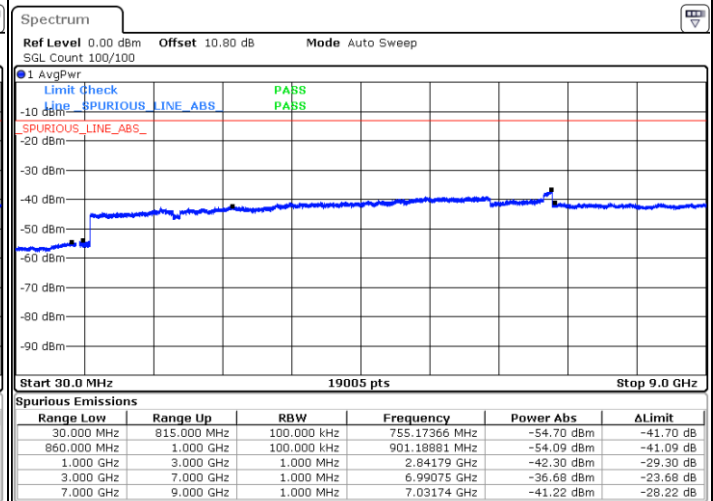
Date: 29.NOV.2019 14:58:03

Highest Channel / QPSK



Date: 29.NOV.2019 15:09:30

Highest Channel / 16QAM

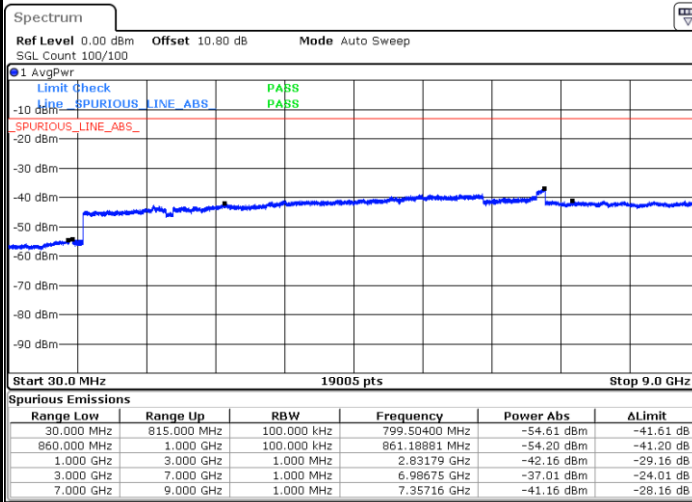


Date: 29.NOV.2019 15:10:13



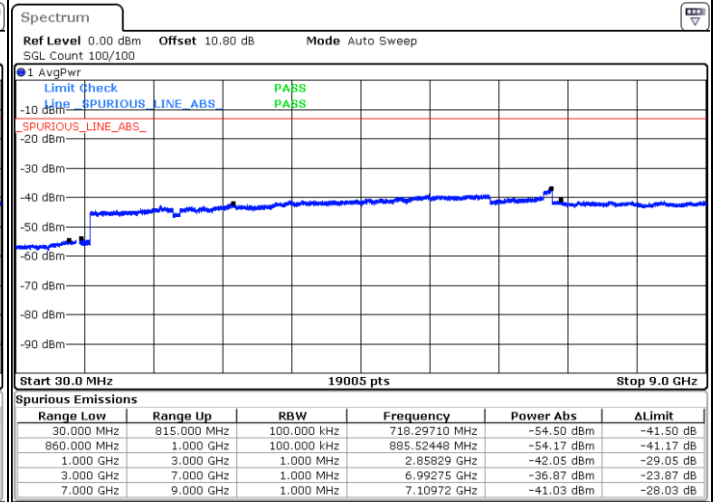
LTE Band 5 / 5MHz

Lowest Channel / QPSK



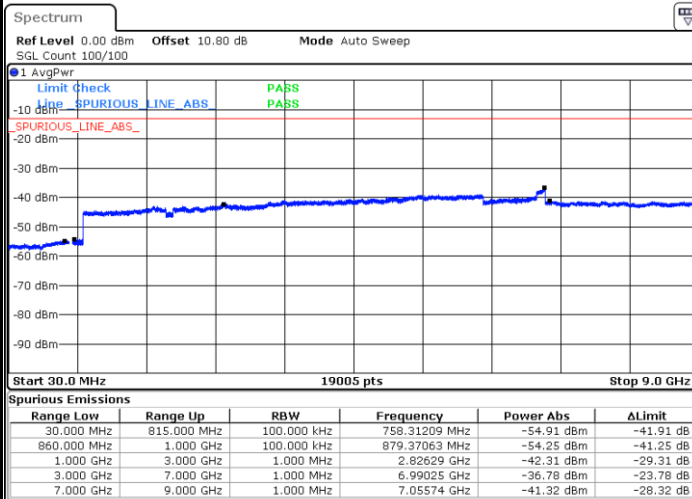
Date: 29.NOV.2019 15:28:24

Lowest Channel / 16QAM



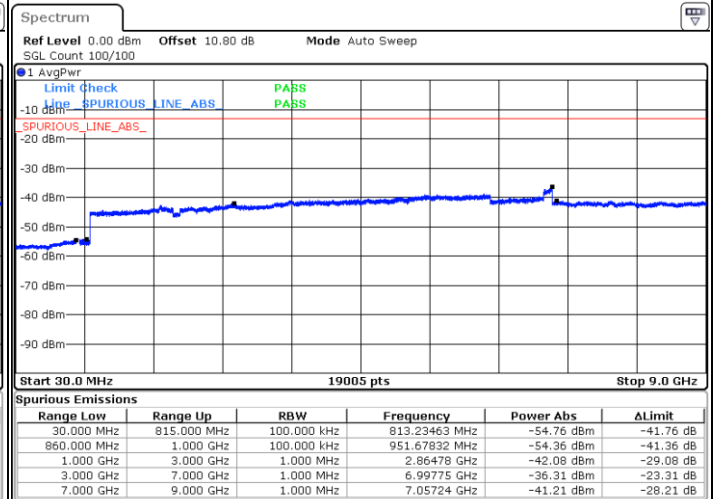
Date: 29.NOV.2019 15:29:08

Middle Channel / QPSK



Date: 29.NOV.2019 15:30:38

Middle Channel / 16QAM

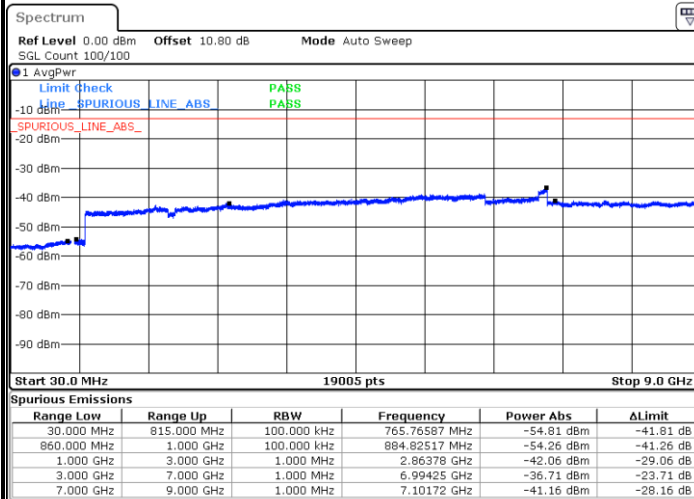


Date: 29.NOV.2019 15:31:21



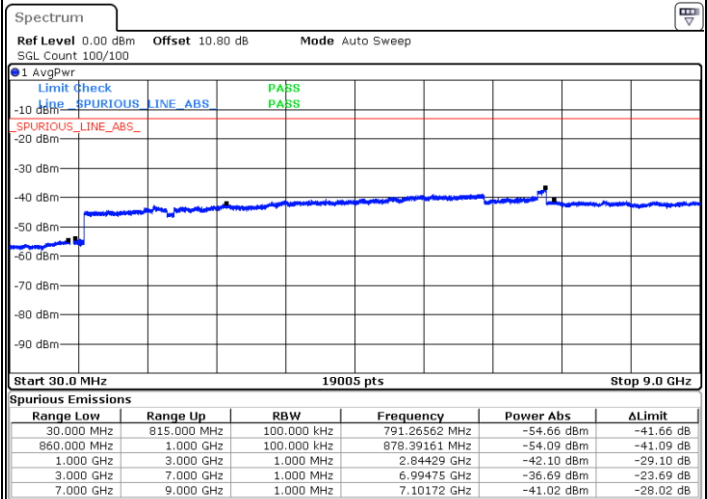
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 29.NOV.2019 15:39:31

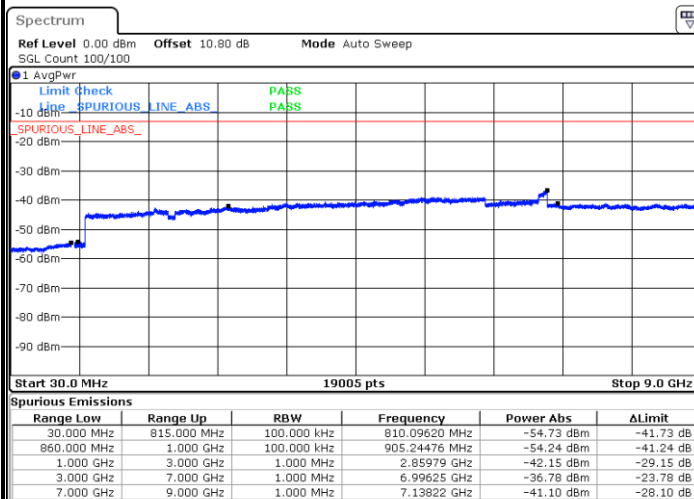
Highest Channel / 16QAM



Date: 29.NOV.2019 15:40:15

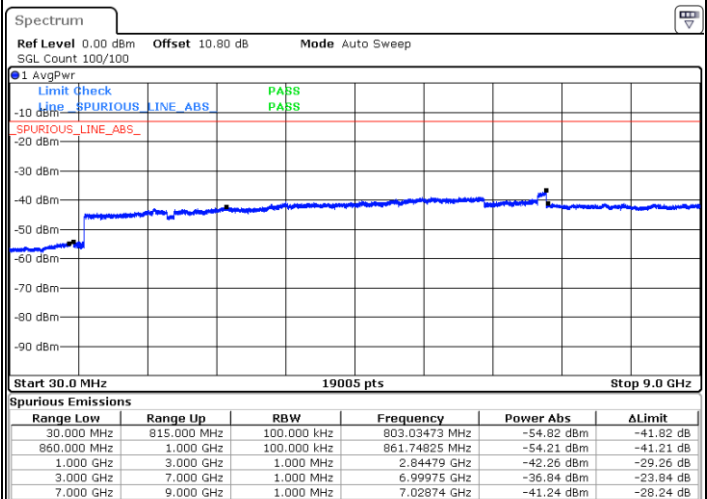
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 29.NOV.2019 15:57:42

Lowest Channel / 16QAM

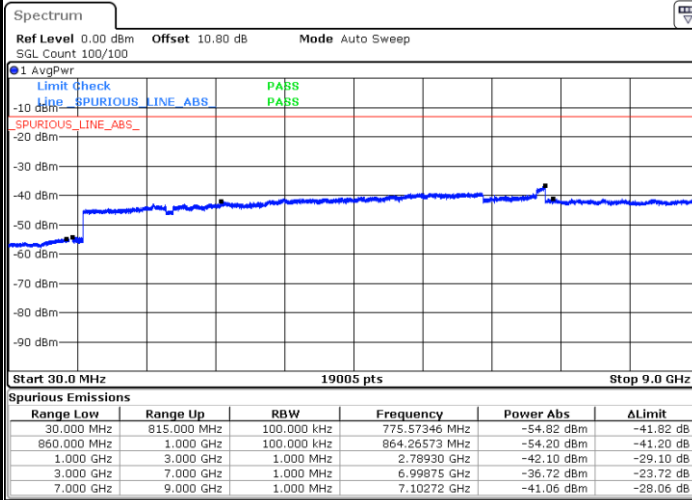


Date: 29.NOV.2019 15:58:26



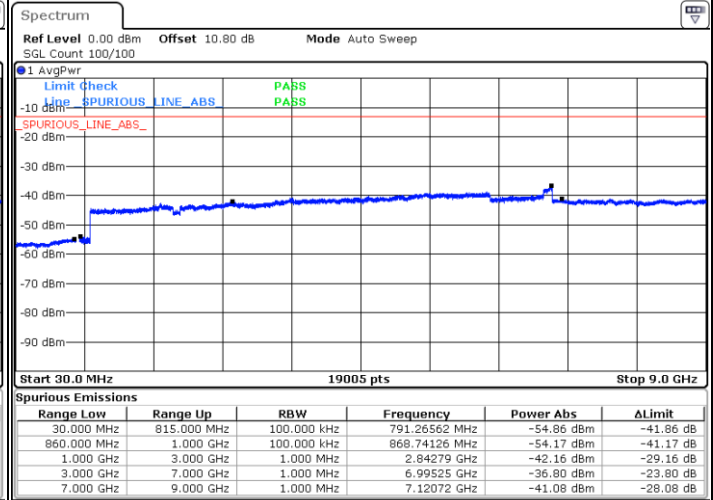
LTE Band 5 / 10MHz

Middle Channel / QPSK



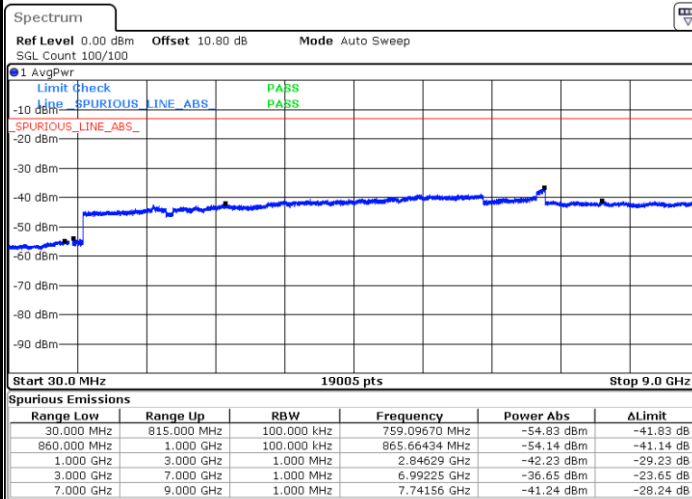
Date: 29.NOV.2019 15:59:56

Middle Channel / 16QAM



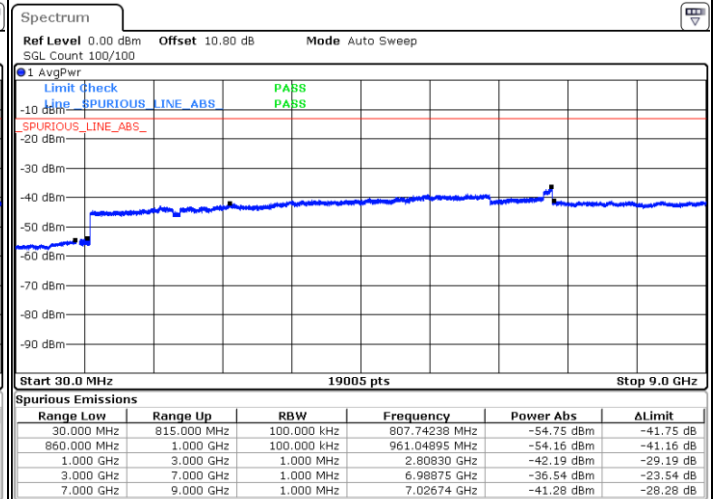
Date: 29.NOV.2019 16:00:38

Highest Channel / QPSK



Date: 29.NOV.2019 16:08:49

Highest Channel / 16QAM

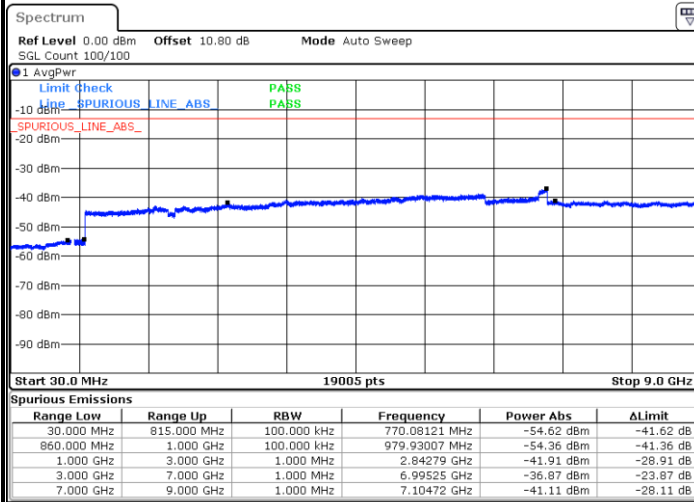


Date: 29.NOV.2019 16:09:32



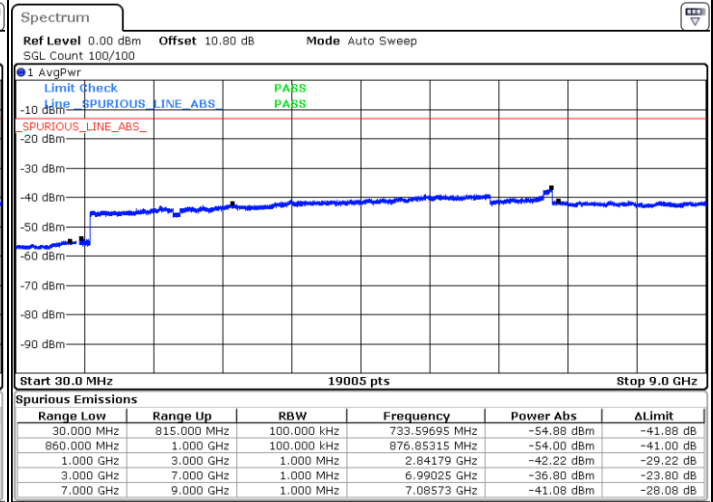
LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM



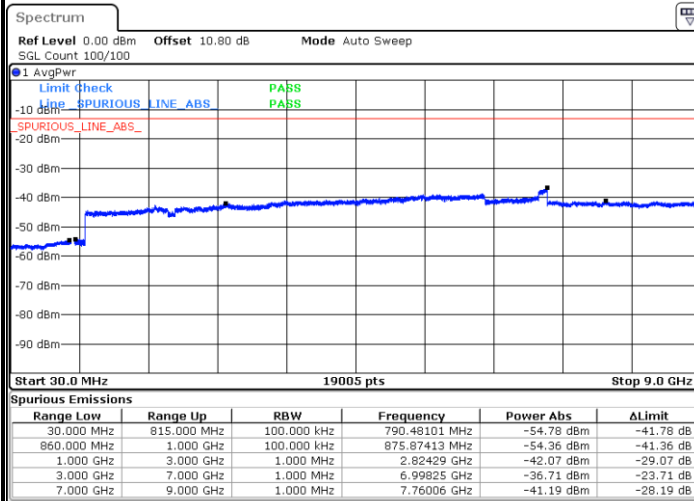
Date: 29.NOV.2019 14:41:21

Middle Channel / 64QAM



Date: 29.NOV.2019 14:42:27

Highest Channel / 64QAM

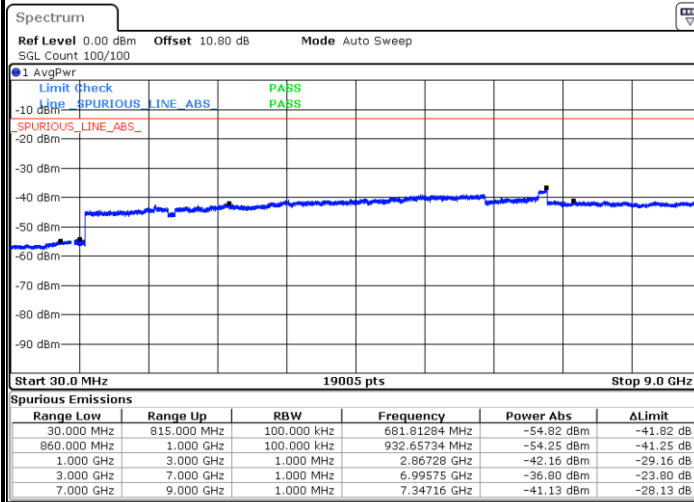


Date: 29.NOV.2019 14:46:55



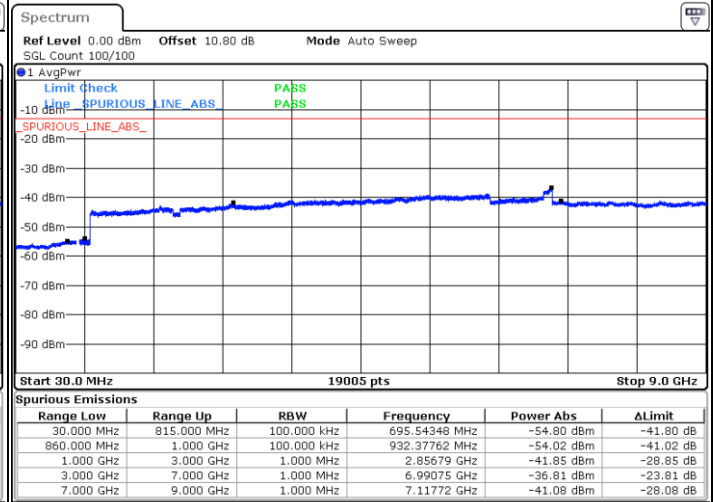
LTE Band 5 / 3MHz

Lowest Channel / 64QAM



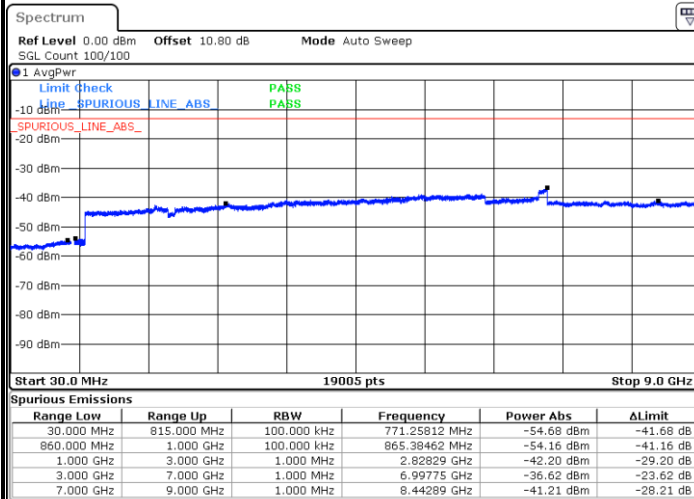
Date: 29.NOV.2019 15:14:40

Middle Channel / 64QAM



Date: 29.NOV.2019 15:15:46

Highest Channel / 64QAM

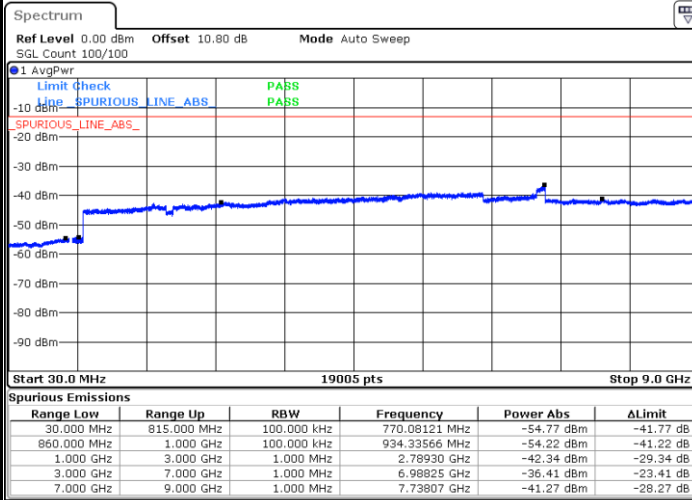


Date: 29.NOV.2019 15:20:13



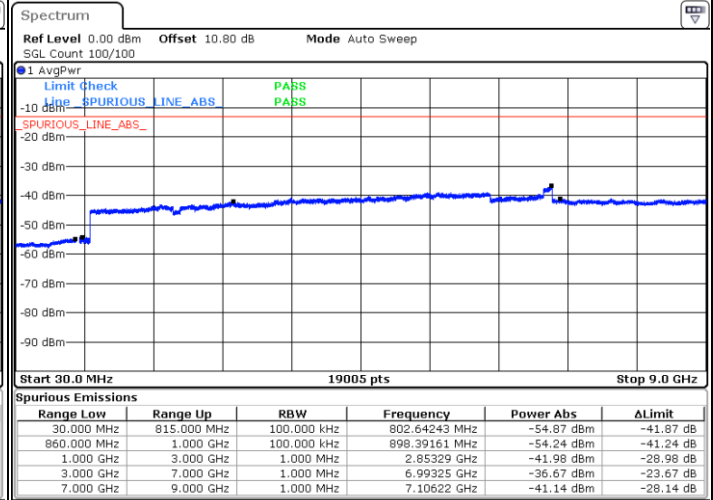
LTE Band 5 / 5MHz

Lowest Channel / 64QAM



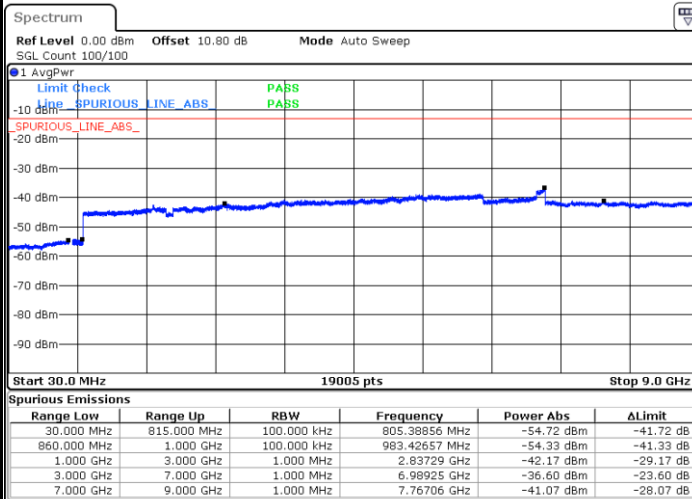
Date: 29.NOV.2019 15:44:42

Middle Channel / 64QAM



Date: 29.NOV.2019 15:45:48

Highest Channel / 64QAM

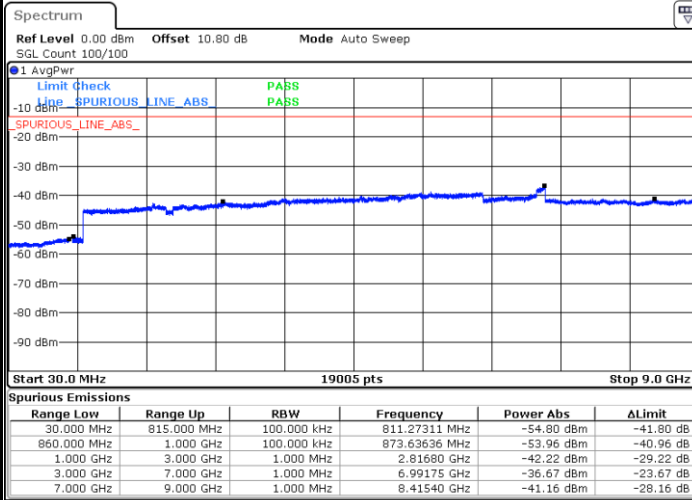


Date: 29.NOV.2019 16:10:16



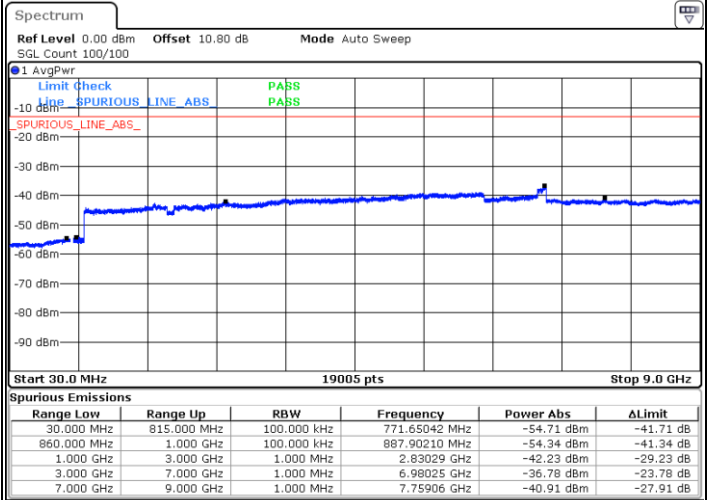
LTE Band 5 / 10MHz

Lowest Channel / 64QAM



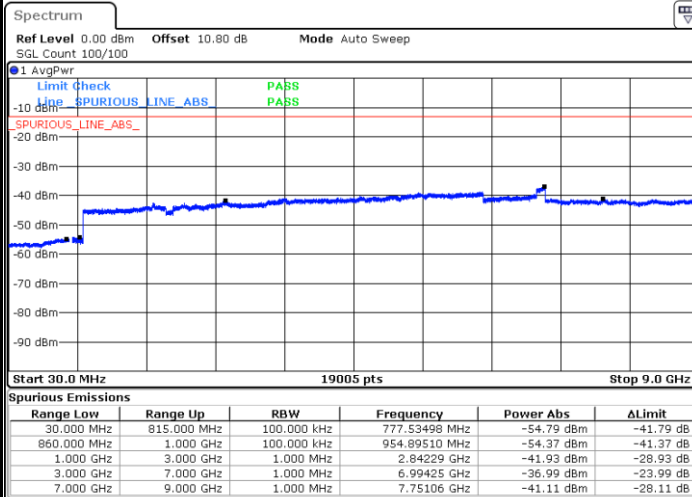
Date: 29.NOV.2019 16:14:44

Middle Channel / 64QAM



Date: 29.NOV.2019 16:15:50

Highest Channel / 64QAM



Date: 29.NOV.2019 16:20:16

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	0.0047	PASS
40	Normal Voltage	0.0100	
30	Normal Voltage	0.0093	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0085	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0086	
-30	Normal Voltage	0.0047	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0020	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

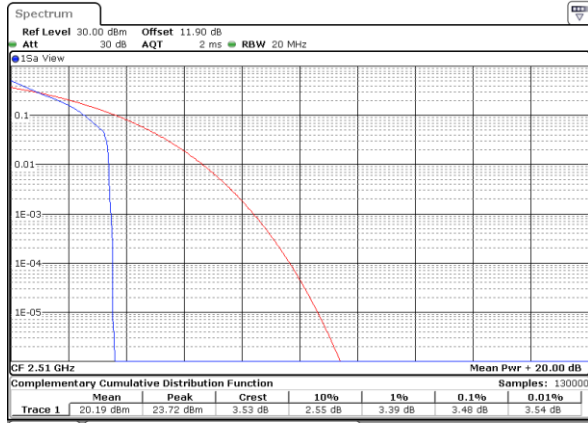
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.48	4.41	5.04	5.71	PASS
Middle CH	3.57	4.55	5.10	5.83	
Highest CH	3.54	4.70	4.99	6.12	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.43	6.38	-	-	PASS
Middle CH	6.32	6.43	-	-	
Highest CH	6.35	6.70	-	-	

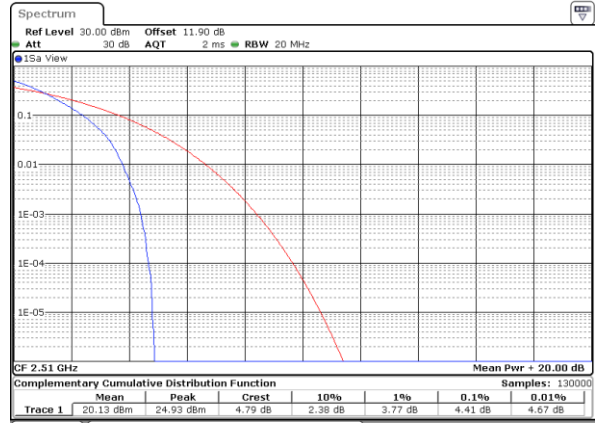


LTE Band 7 / 20MHz / QPSK

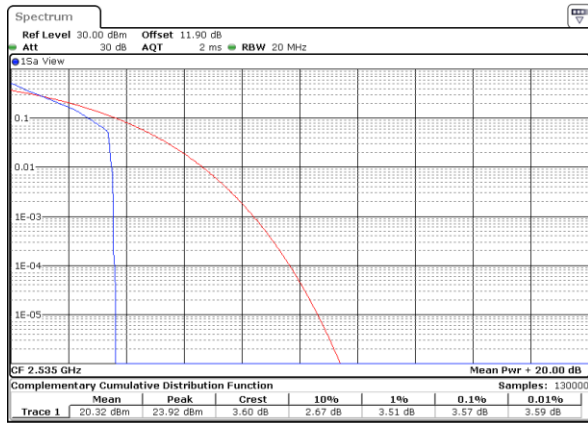
Lowest Channel / 1RB



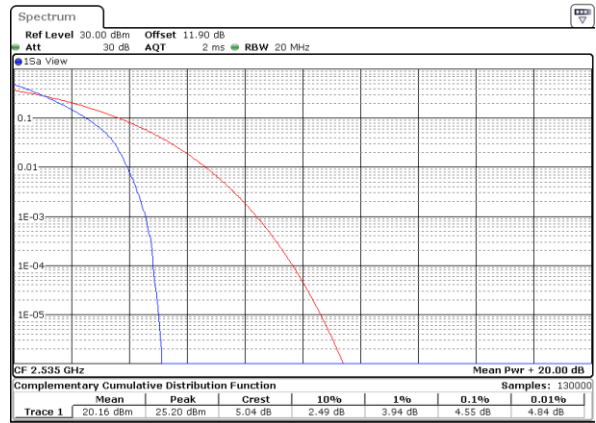
Lowest Channel / Full RB



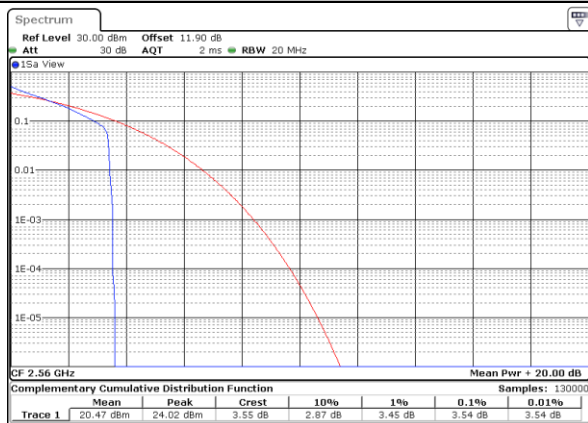
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

