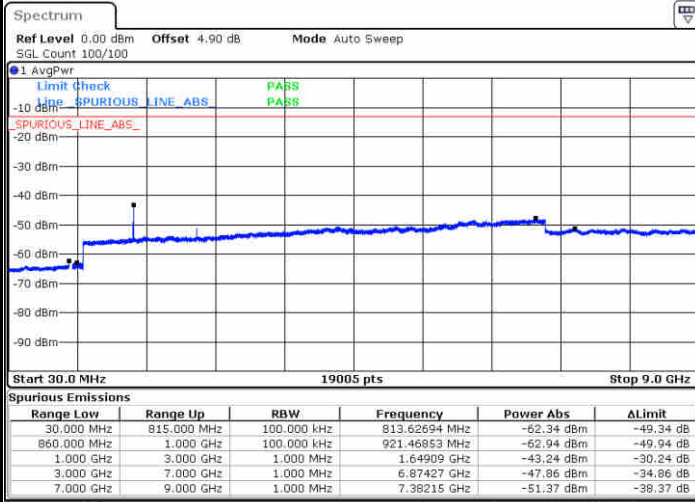




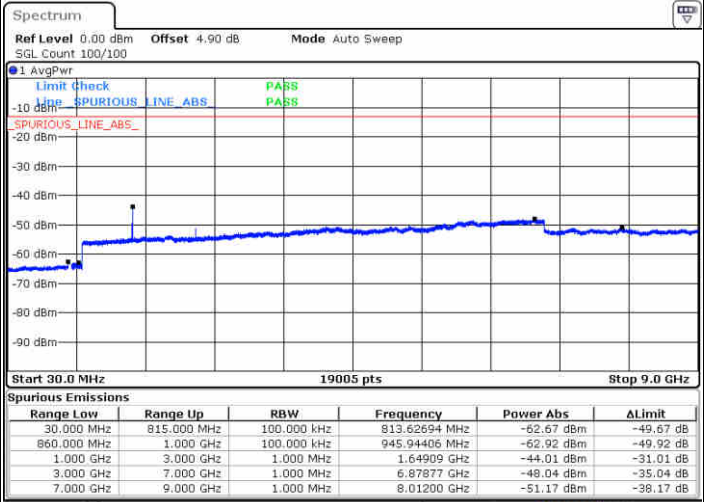
LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



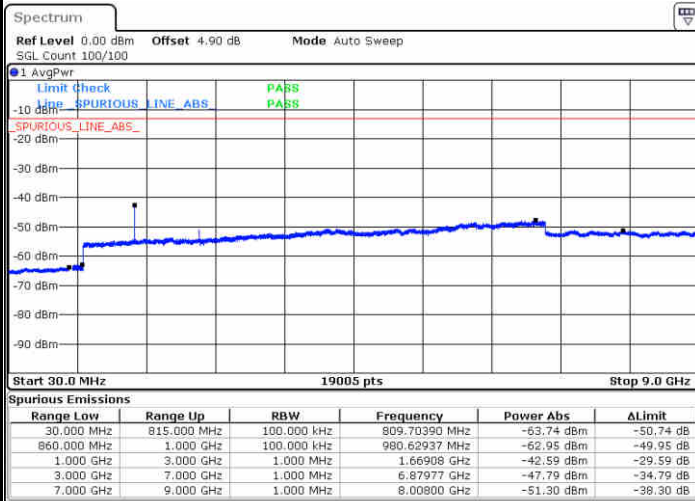
Date: 21.OCT.2019 21:52:57



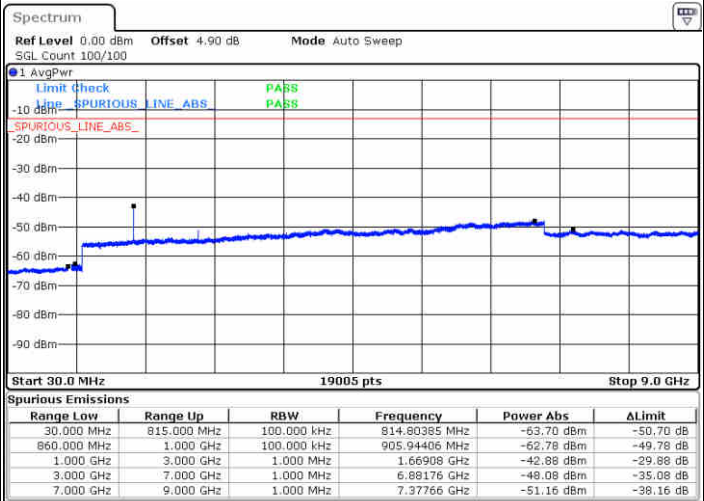
Date: 21.OCT.2019 21:53:51

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 21.OCT.2019 21:02:42

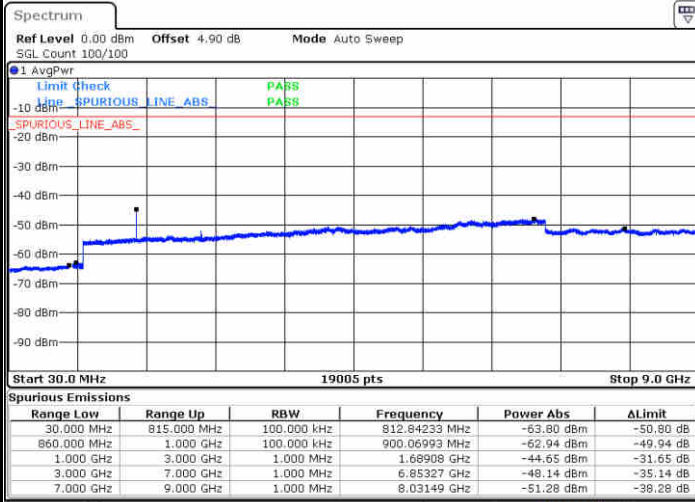


Date: 21.OCT.2019 21:56:34



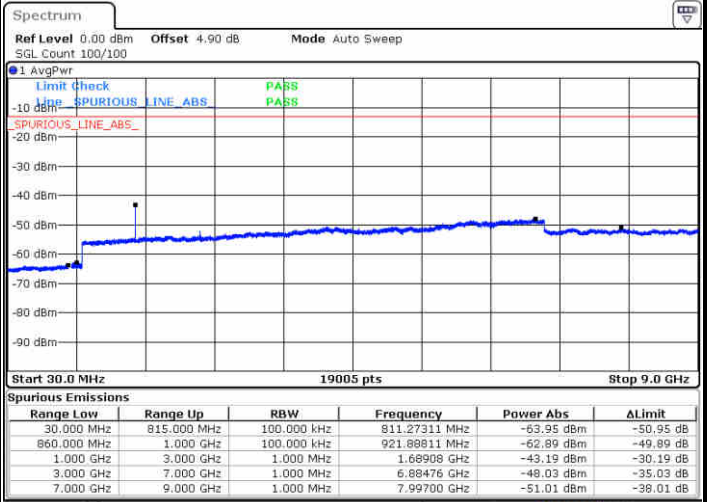
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 21.OCT.2019 21:57:29

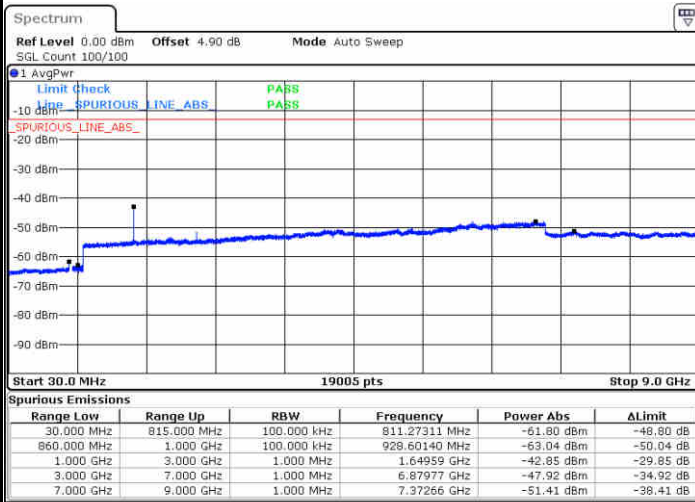
Highest Channel / 16QAM



Date: 21.OCT.2019 21:58:23

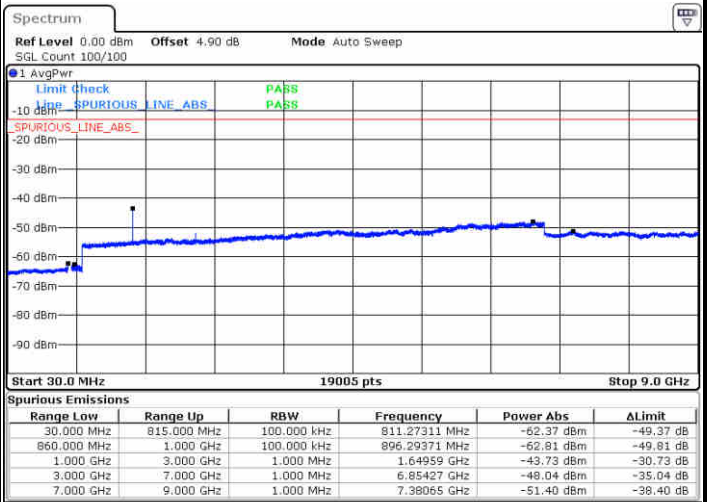
LTE Band 26 / 10MHz

Lowest Channel / QPSK



Date: 21.OCT.2019 22:09:56

Lowest Channel / 16QAM



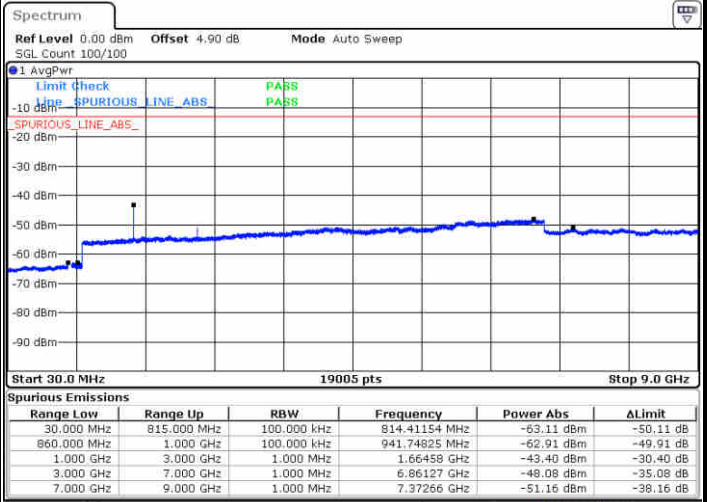
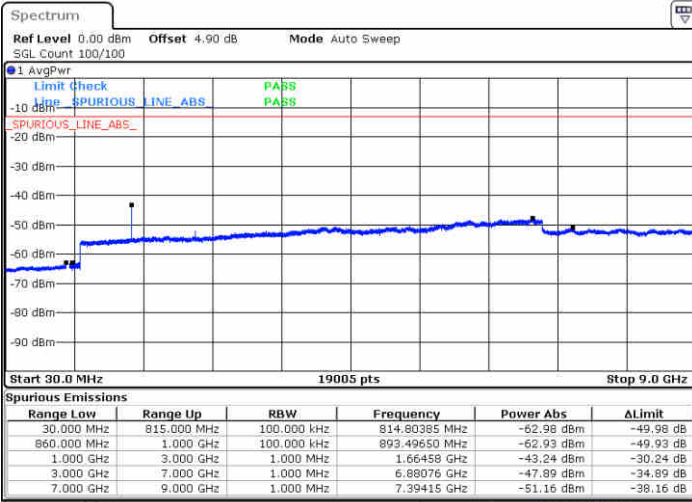
Date: 21.OCT.2019 22:10:50



LTE Band 26 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

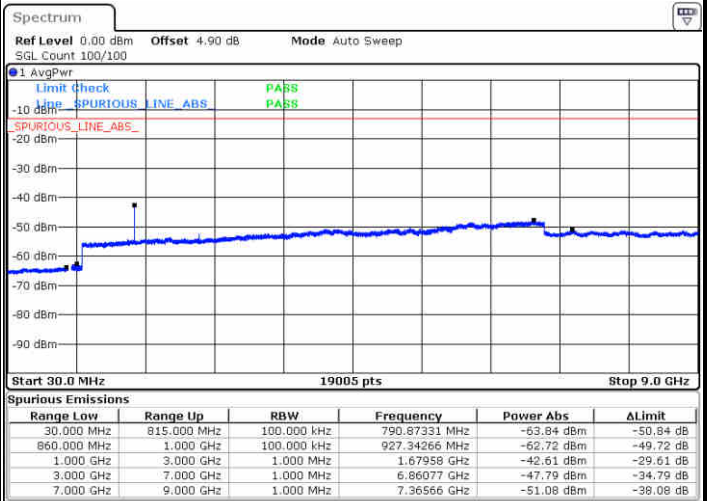
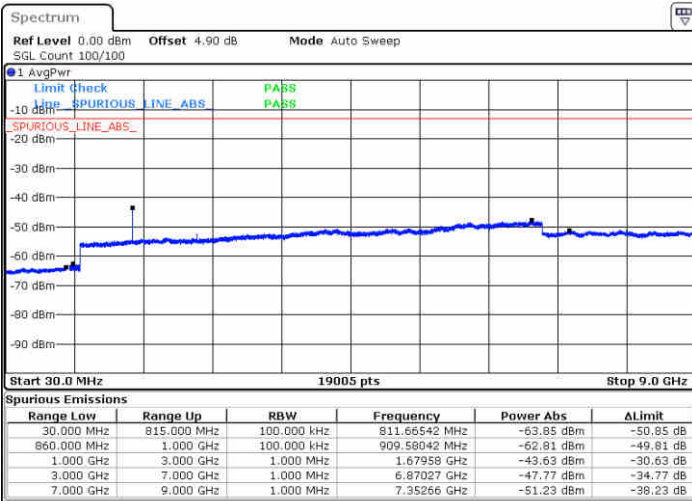


Date: 21.OCT.2019 22:14:27

Date: 21.OCT.2019 22:13:33

Highest Channel / QPSK

Highest Channel / 16QAM



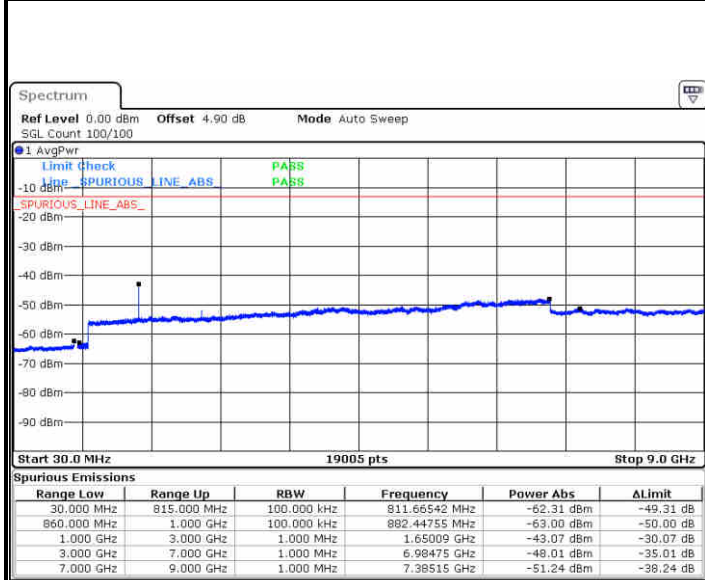
Date: 21.OCT.2019 22:15:22

Date: 21.OCT.2019 22:16:16



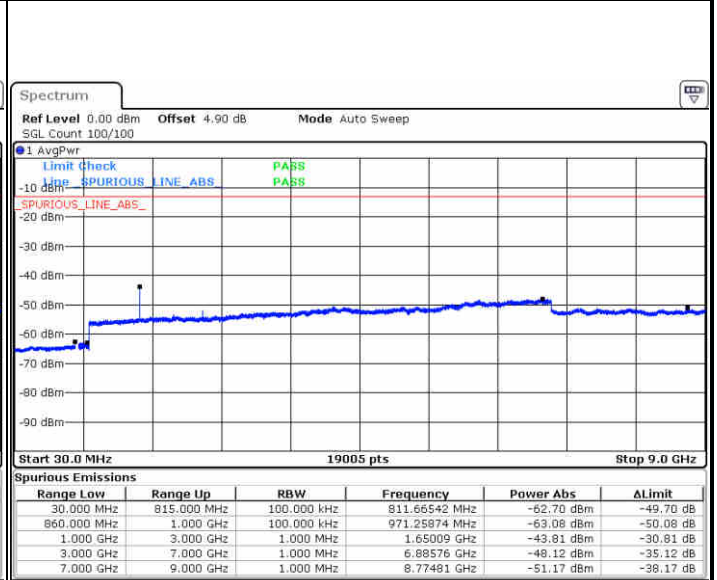
LTE Band 26 / 15MHz

Lowest Channel / QPSK



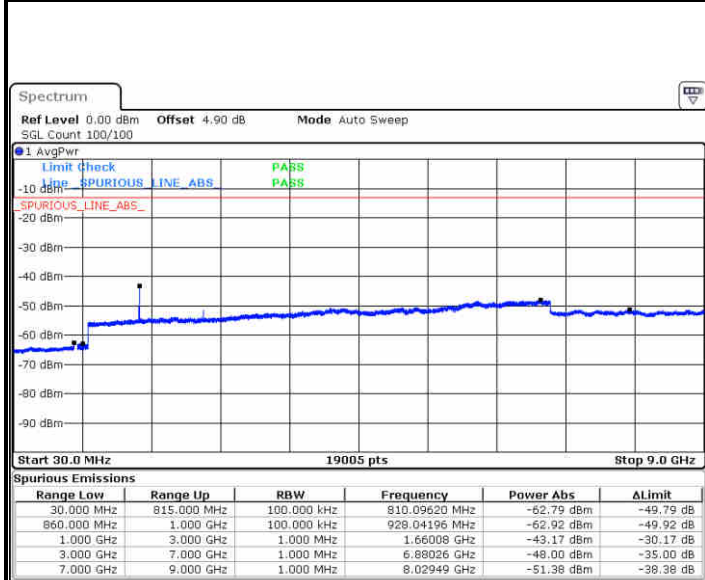
Date: 21.OCT.2019 22:28:00

Lowest Channel / 16QAM



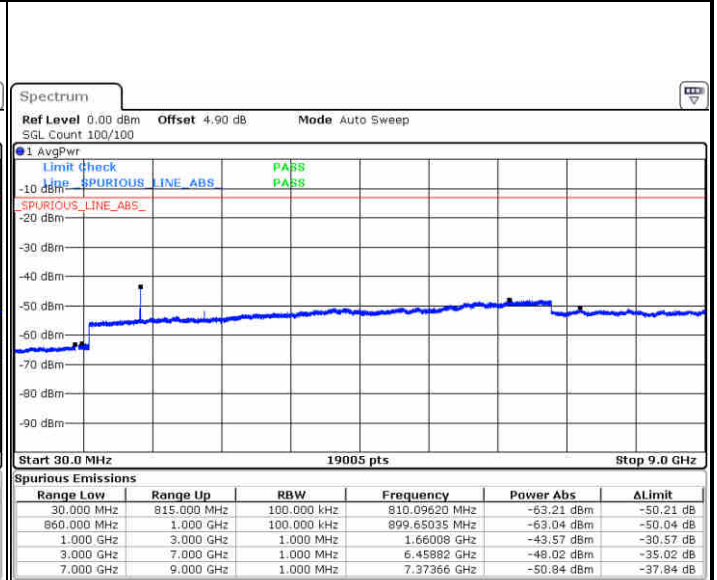
Date: 21.OCT.2019 22:28:54

Middle Channel / QPSK



Date: 21.OCT.2019 22:32:31

Middle Channel / 16QAM

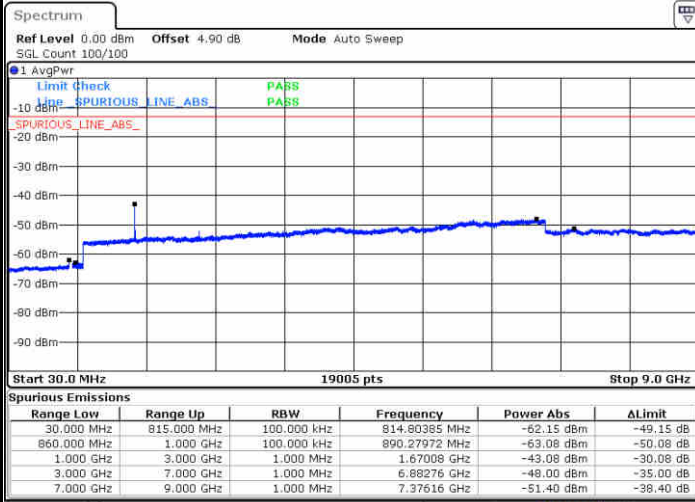


Date: 21.OCT.2019 22:31:37



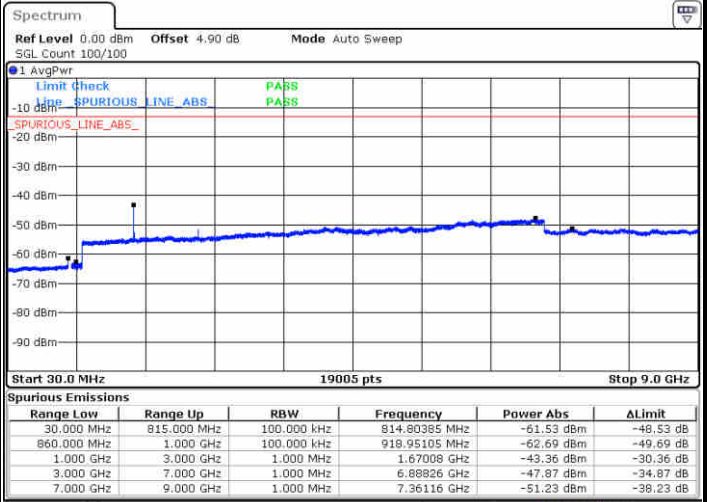
LTE Band 26 / 15MHz

Highest Channel / QPSK



Date: 21.OCT.2019 22:33:25

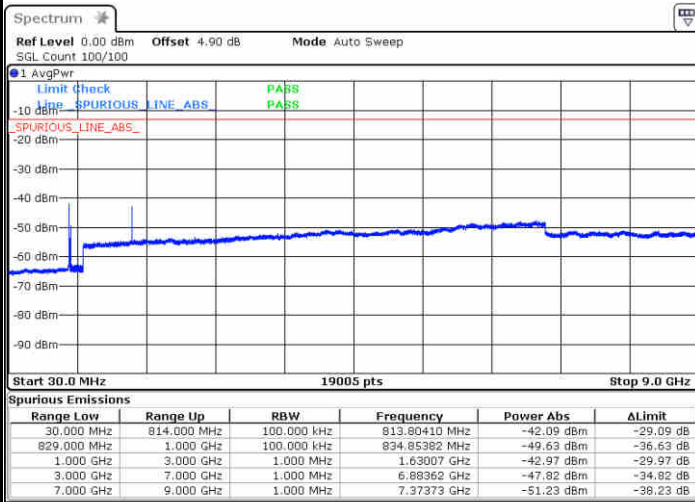
Highest Channel / 16QAM



Date: 21.OCT.2019 22:34:20

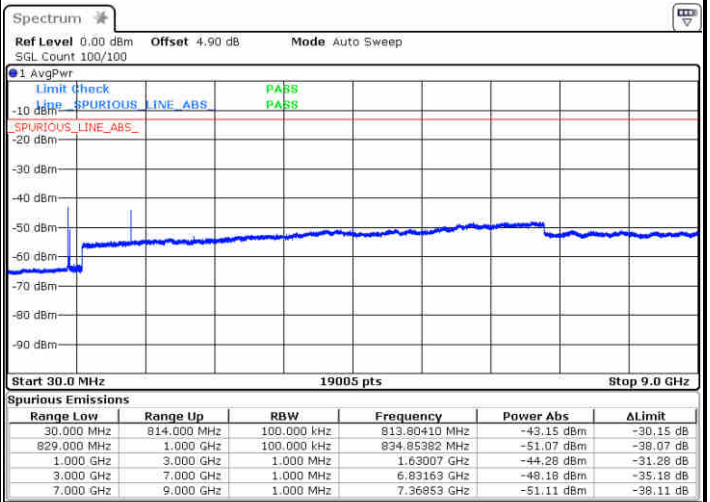
CH26765 / 15MHz

Lowest Channel / QPSK



Date: 19.OCT.2019 22:12:36

Lowest Channel / 16QAM

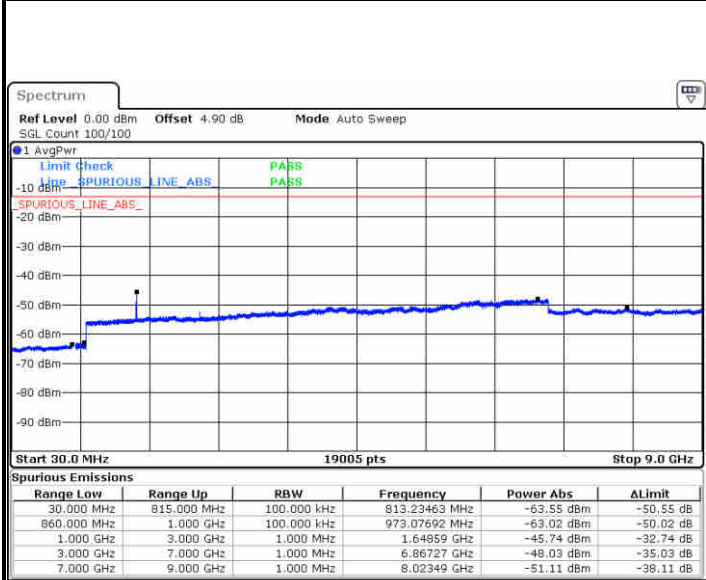


Date: 19.OCT.2019 22:12:08



**LTE Band 26 / 1.4MHz**

**Lowest Channel / 64QAM**

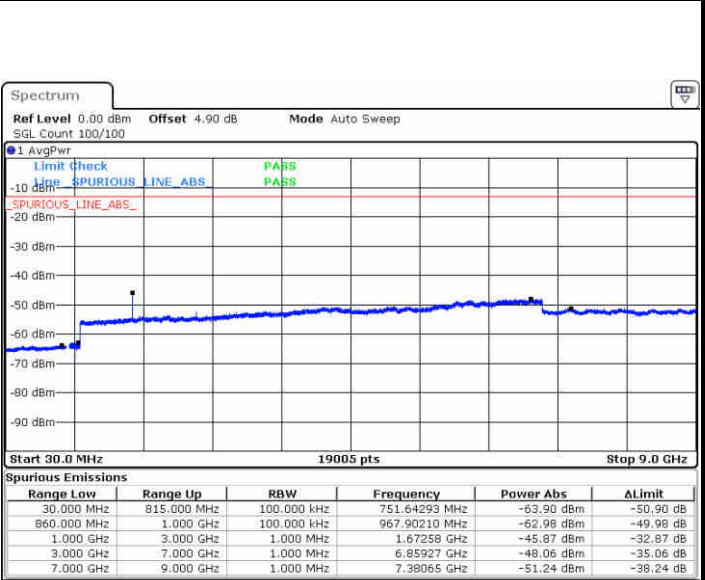


Start 30.0 MHz 19005 pts Stop 9.0 GHz

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	813.23463 MHz	-63.55 dBm	-50.55 dB
860.000 MHz	1.000 GHz	100.000 kHz	973.07692 MHz	-63.02 dBm	-50.02 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-45.74 dBm	-32.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86727 GHz	-48.03 dBm	-35.03 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.02349 GHz	-51.11 dBm	-38.11 dB

Date: 21.OCT.2019 21:17:00

**Middle Channel / 64QAM**

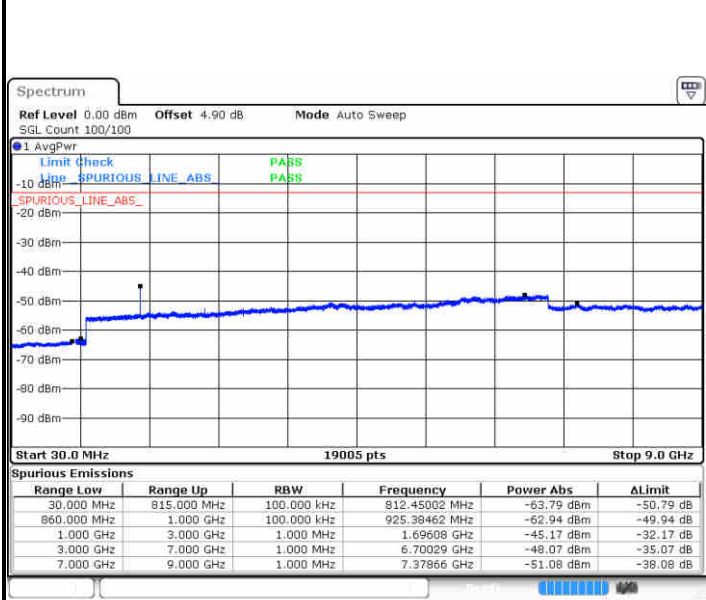


Start 30.0 MHz 19005 pts Stop 9.0 GHz

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	751.64293 MHz	-63.90 dBm	-50.90 dB
860.000 MHz	1.000 GHz	100.000 kHz	967.90210 MHz	-62.98 dBm	-49.98 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67258 GHz	-45.87 dBm	-32.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85927 GHz	-48.06 dBm	-35.06 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.38065 GHz	-51.24 dBm	-38.24 dB

Date: 21.OCT.2019 21:17:54

**Highest Channel / 64QAM**



Start 30.0 MHz 19005 pts Stop 9.0 GHz

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	812.45002 MHz	-63.79 dBm	-50.79 dB
860.000 MHz	1.000 GHz	100.000 kHz	925.38462 MHz	-62.94 dBm	-49.94 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-45.17 dBm	-32.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.70029 GHz	-48.07 dBm	-35.07 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.37866 GHz	-51.08 dBm	-38.08 dB

Date: 21.OCT.2019 21:22:26

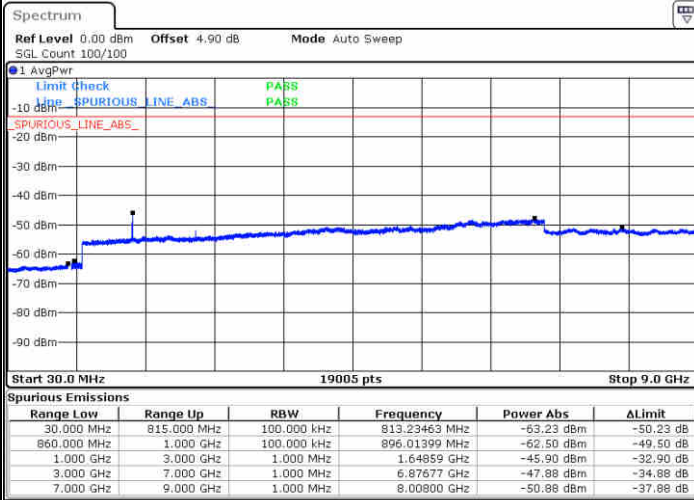




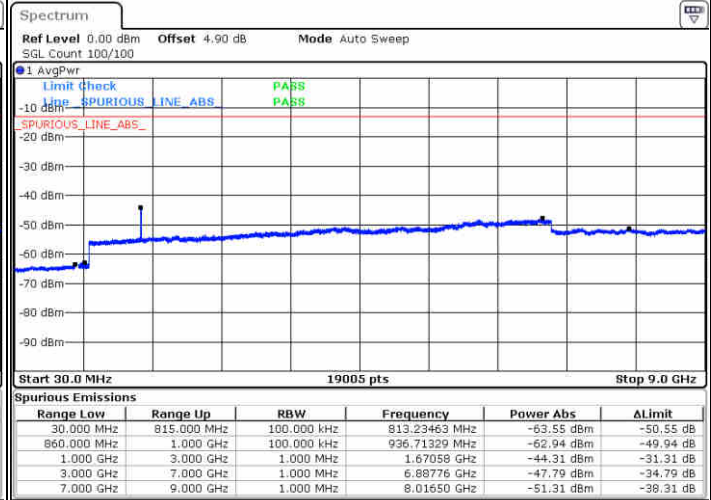
LTE Band 26 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

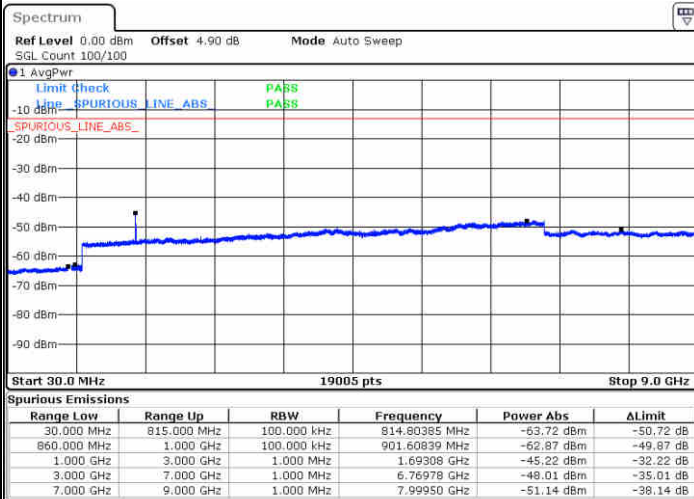


Date: 21.OCT.2019 21:28:20



Date: 21.OCT.2019 21:32:51

Highest Channel / 64QAM



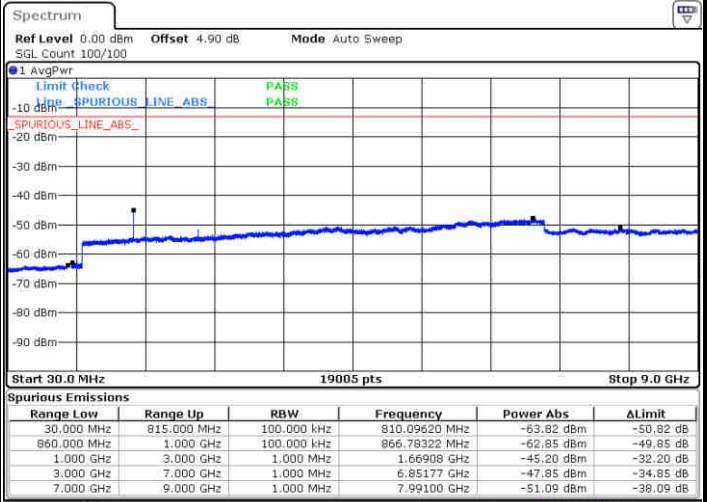
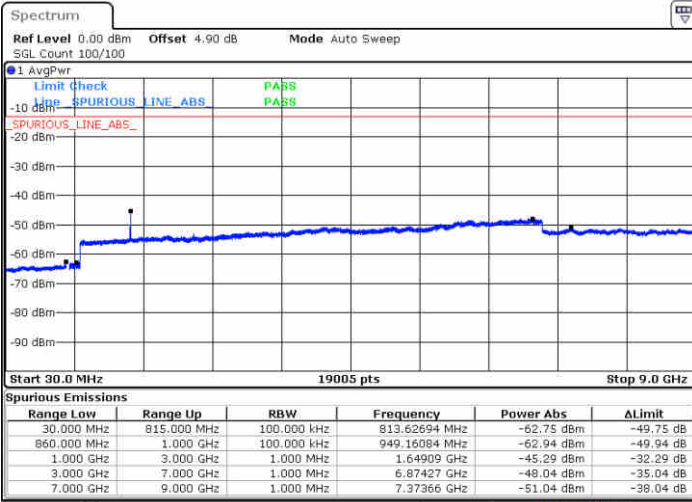
Date: 21.OCT.2019 21:33:45



LTE Band 26 / 5MHz

Lowest Channel / 64QAM

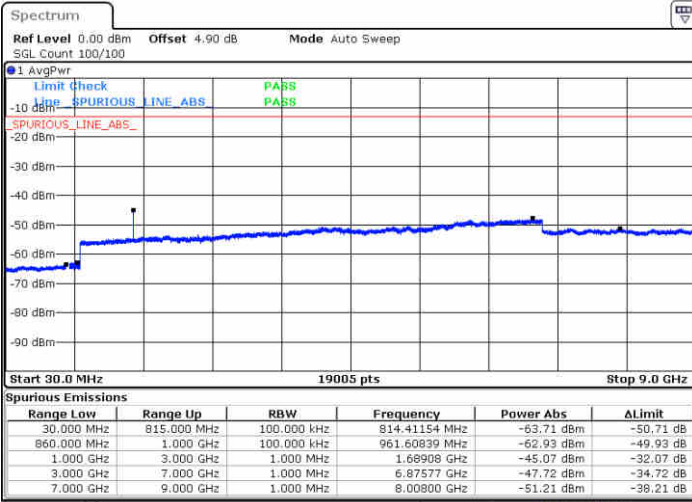
Middle Channel / 64QAM



Date: 21.OCT.2019 21:54:46

Date: 21.OCT.2019 21:55:40

Highest Channel / 64QAM



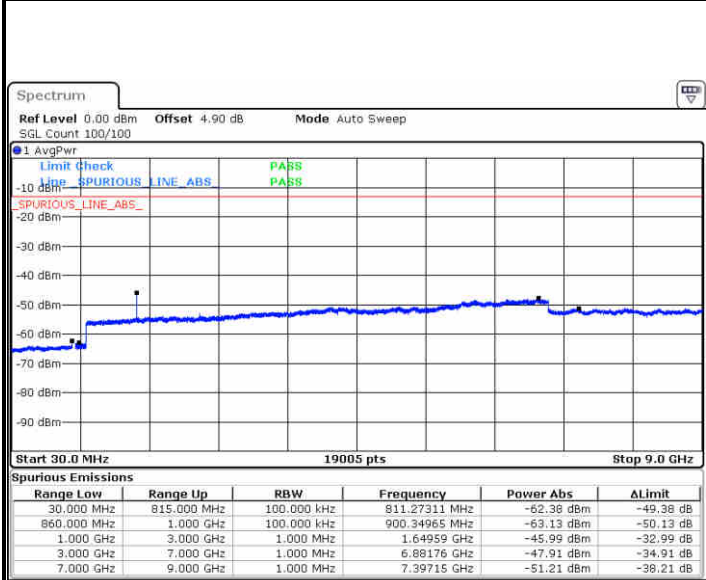
Date: 21.OCT.2019 21:59:17





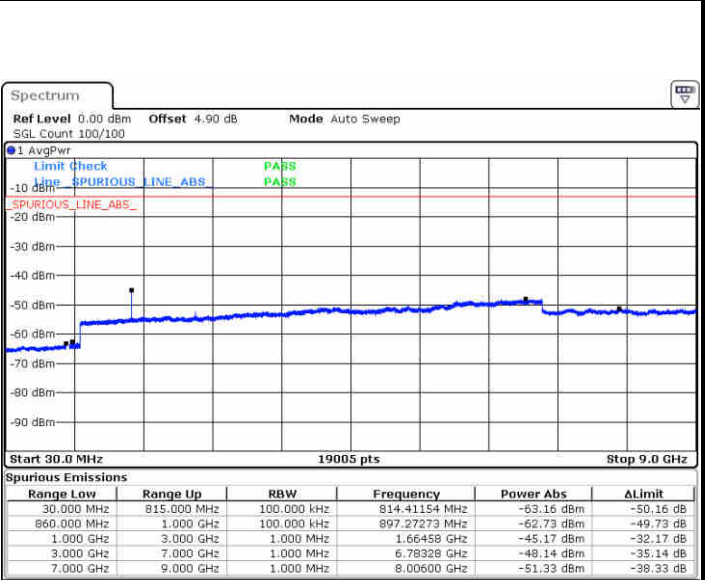
**LTE Band 26 / 10MHz**

**Lowest Channel / 64QAM**



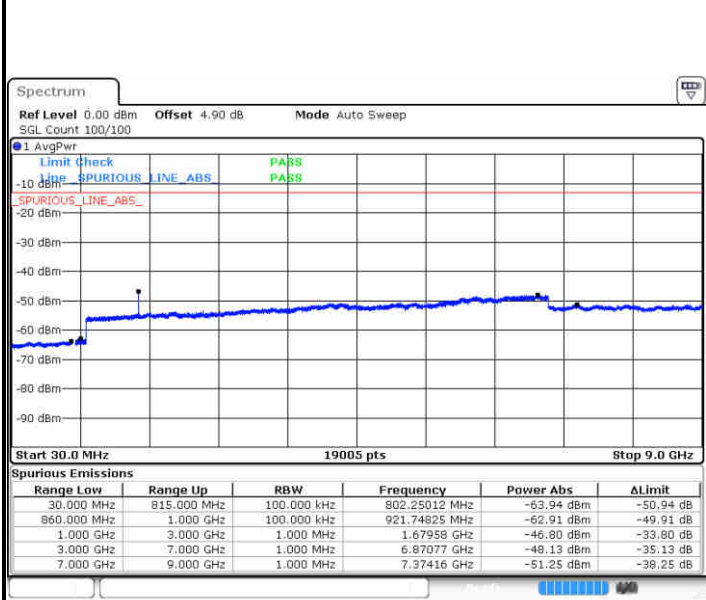
Date: 21.OCT.2019 22:11:44

**Middle Channel / 64QAM**



Date: 21.OCT.2019 22:12:39

**Highest Channel / 64QAM**



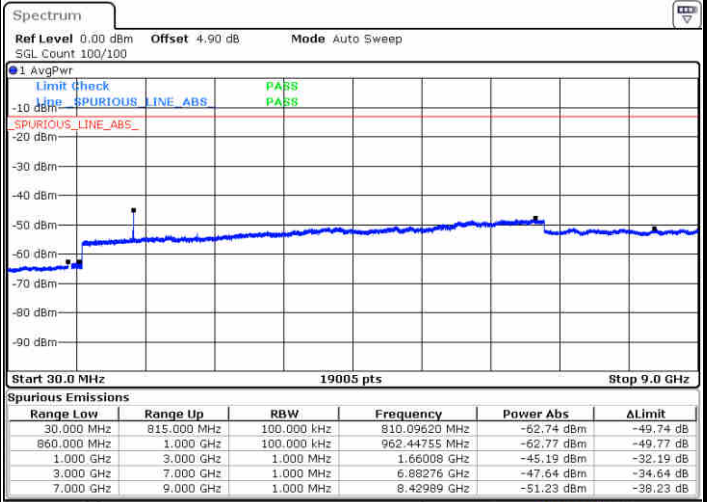
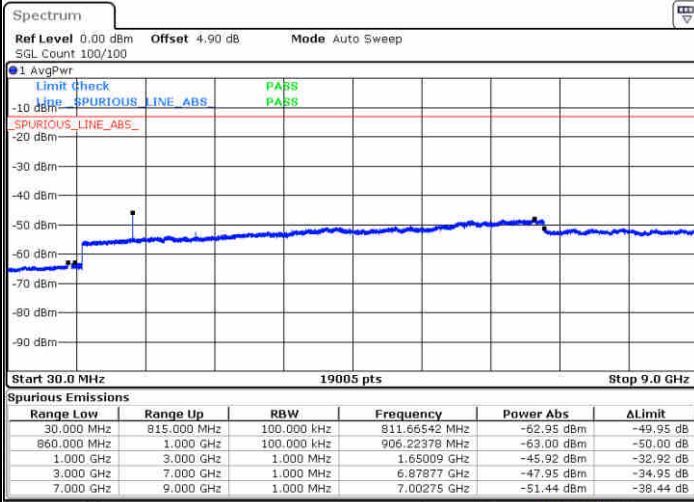
Date: 21.OCT.2019 22:17:10



LTE Band 26 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

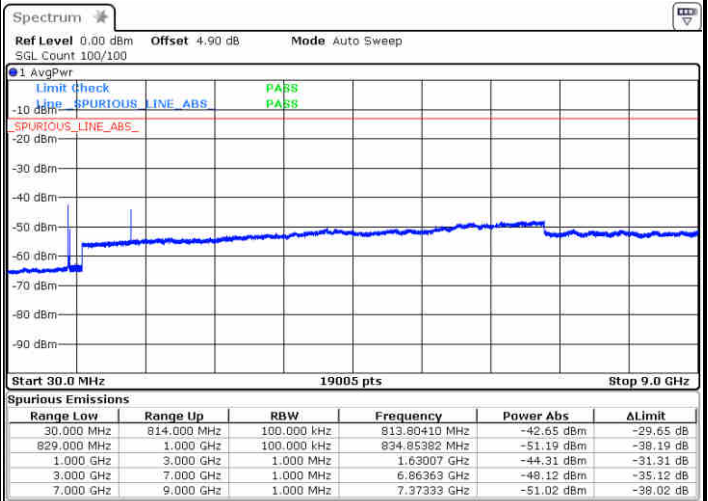
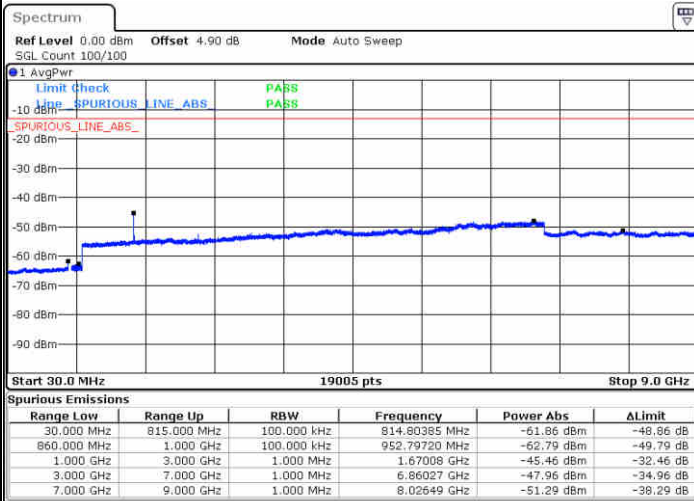


Date: 21 OCT 2019 22:29:48

Date: 21 OCT 2019 22:30:42

Highest Channel / 64QAM

CH26765 / 64QAM



Date: 21 OCT 2019 22:35:14

Date: 19 OCT 2019 22:11:37



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0056	PASS
40	Normal Voltage	0.0046	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0073	
0	Normal Voltage	0.0059	
-10	Normal Voltage	0.0034	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0043	
20	Maximum Voltage	0.0042	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0074	

Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.



# LTE Band 5B\_CA

## 26dB Bandwidth

Mode	LTE Band 5 : 26dB BW(MHz)				
QPSK					
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz		
Lowest CH	14.565	14.565	19.62		
Middle CH	14.565	14.625	19.54		
Highest CH	14.565	14.655	19.62		

Mode	LTE Band 5 : 26dB BW(MHz)				
16QAM					
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz		
Lowest CH	14.565	14.565	19.66		
Middle CH	14.535	14.685	19.5		
Highest CH	14.476	14.565	19.58		

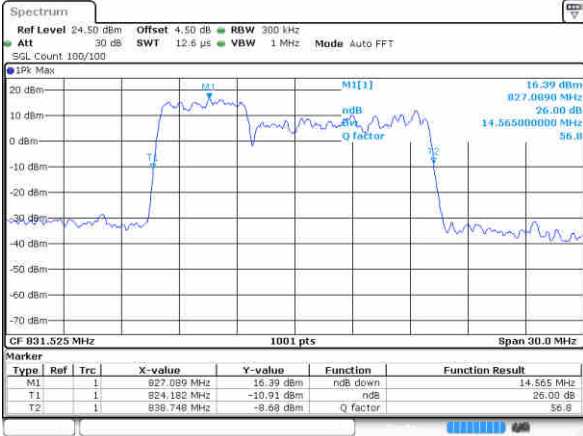
Mode	LTE Band 5 : 26dB BW(MHz)				
64QAM					
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz		
Lowest CH	14.565	14.745	19.62		
Middle CH	14.535	14.655	19.62		
Highest CH	14.505	14.595	19.58		



LTE Band 5

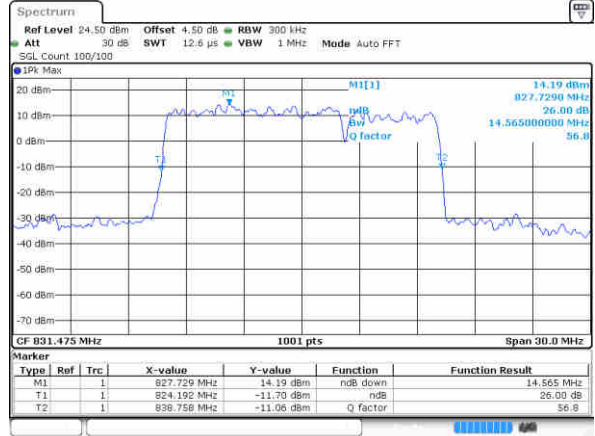
QPSK

Lowest Channel / 5MHz+10MHz



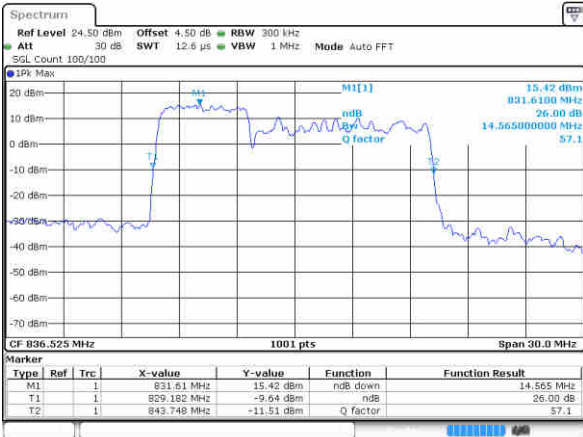
Date: 2.DEC.2019 09:42:07

Lowest Channel / 10MHz+5MHz



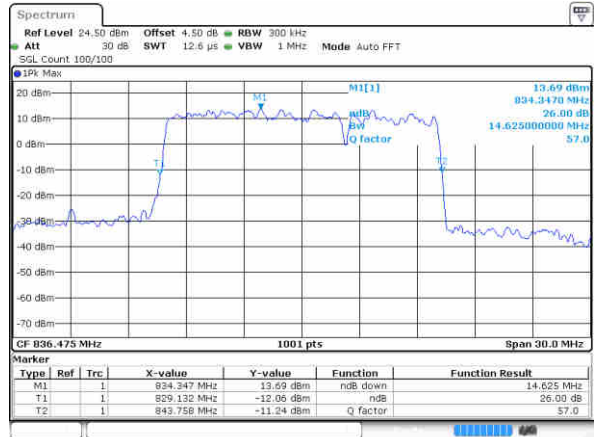
Date: 2.DEC.2019 10:36:29

Middle Channel / 5MHz+10MHz



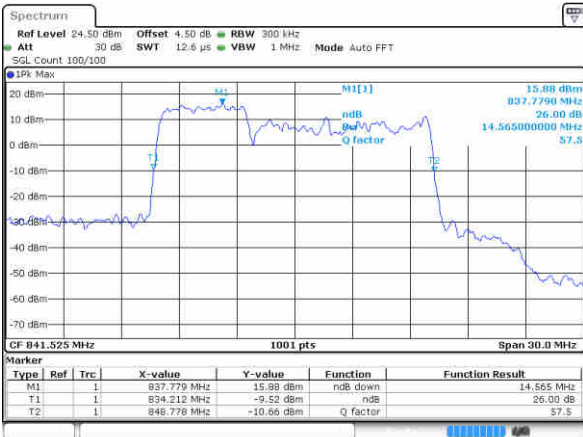
Date: 2.DEC.2019 09:50:14

Middle Channel / 10MHz+5MHz



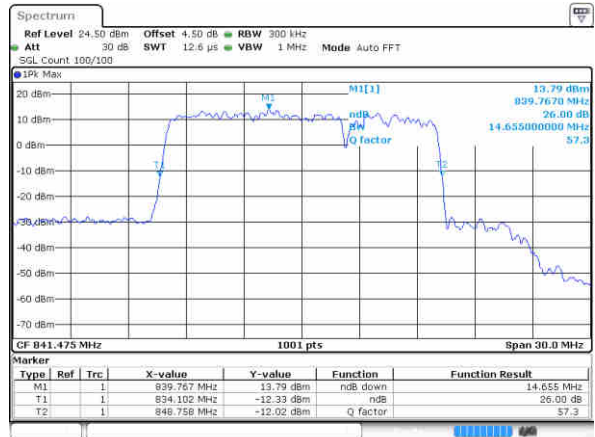
Date: 2.DEC.2019 10:53:17

Highest Channel / 5MHz+10MHz



Date: 2.DEC.2019 10:08:15

Highest Channel / 10MHz+5MHz



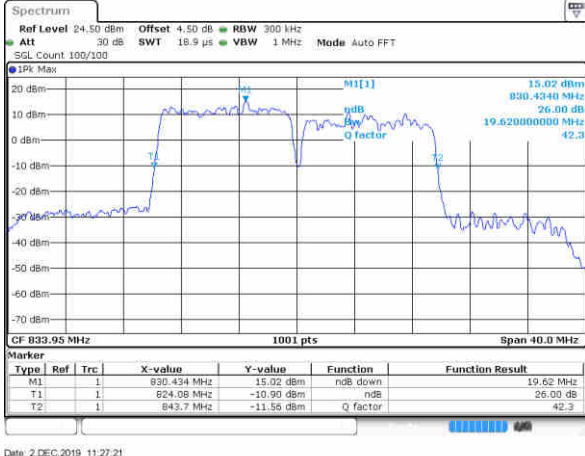
Date: 2.DEC.2019 10:55:02



LTE Band 5

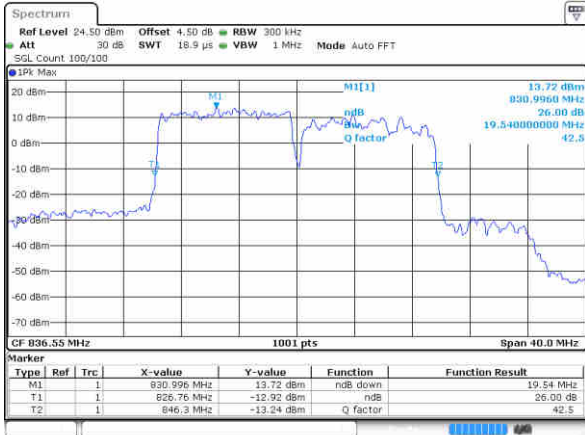
QPSK

Lowest Channel / 10MHz+10MHz



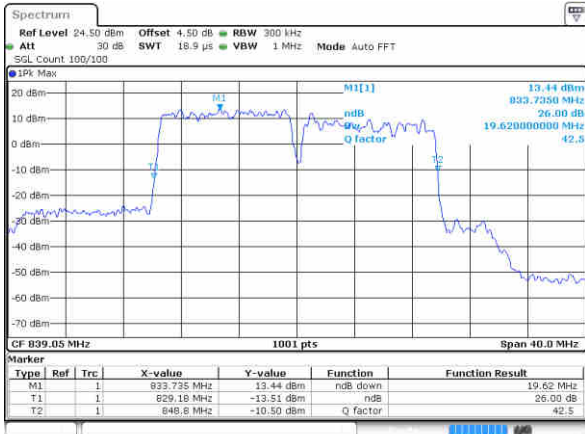
Date: 2.DEC.2019 11:27:21

Middle Channel / 10MHz+10MHz



Date: 2.DEC.2019 11:29:02

Highest Channel / 10MHz+10MHz



Date: 2.DEC.2019 11:41:01

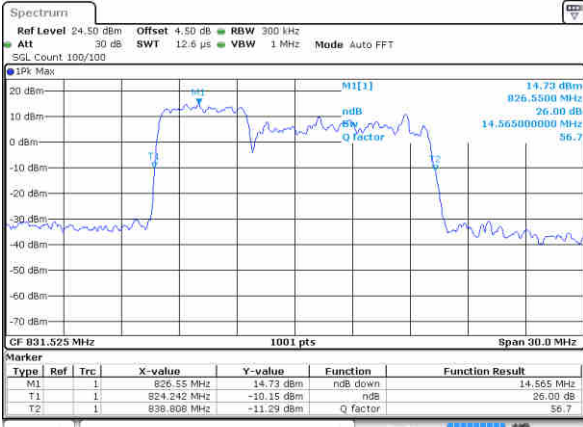




LTE Band 5

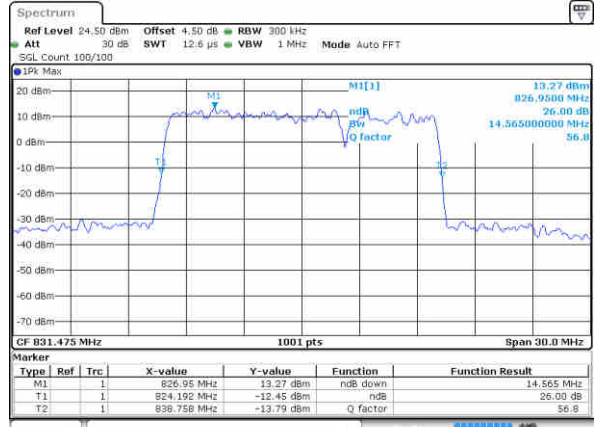
16QAM

Lowest Channel / 5MHz+10MHz



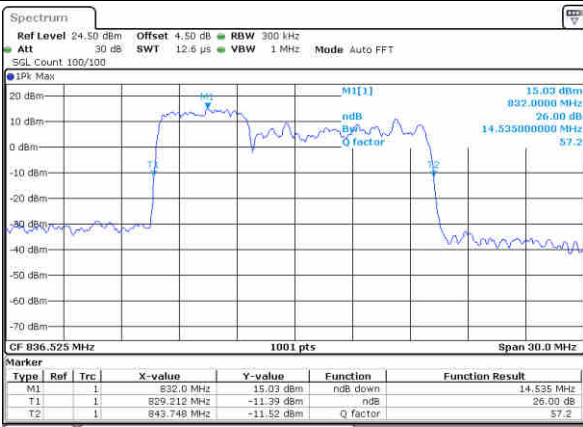
Date: 2.DEC.2019 09:44:49

Lowest Channel / 10MHz+5MHz



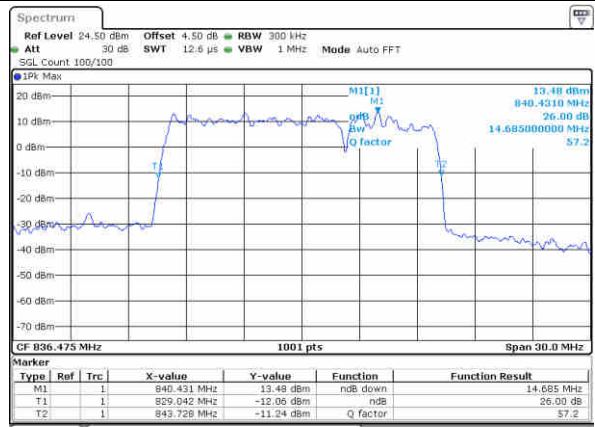
Date: 2.DEC.2019 10:35:32

Middle Channel / 5MHz+10MHz



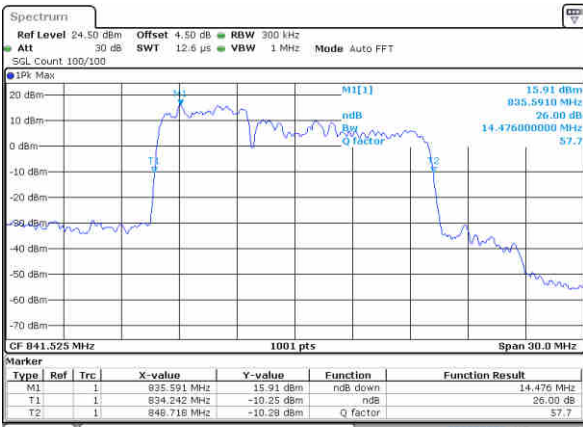
Date: 2.DEC.2019 09:49:42

Middle Channel / 10MHz+5MHz



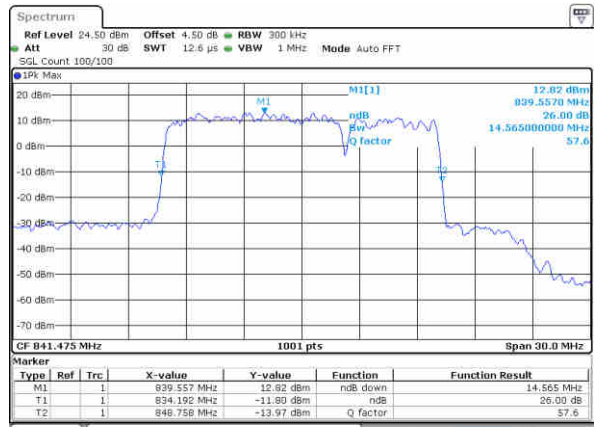
Date: 2.DEC.2019 10:51:55

Highest Channel / 5MHz+10MHz



Date: 2.DEC.2019 10:10:08

Highest Channel / 10MHz+5MHz



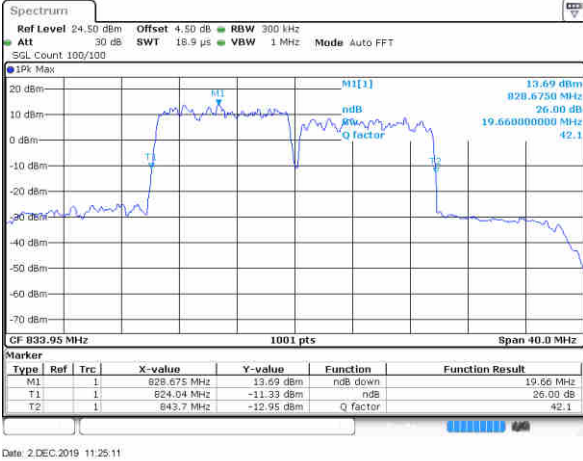
Date: 2.DEC.2019 10:57:26



LTE Band 5

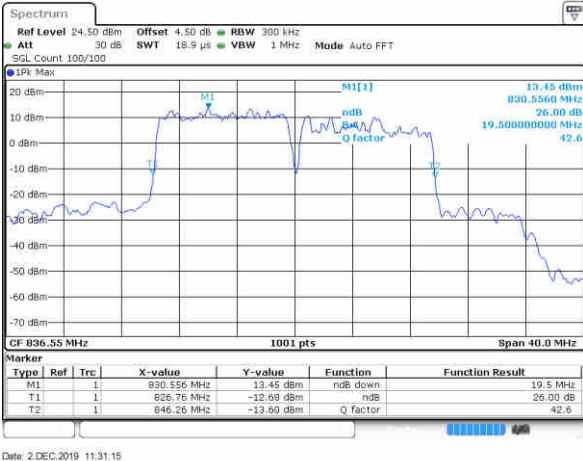
16QAM

Lowest Channel / 10MHz+10MHz



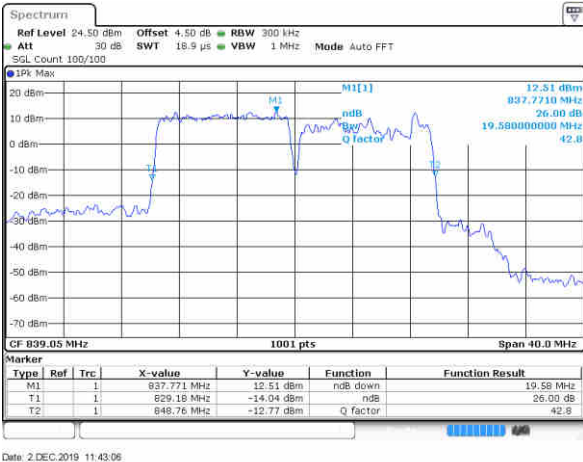
Date: 2.DEC.2019 11:25:11

Middle Channel / 10MHz+10MHz



Date: 2.DEC.2019 11:31:15

Highest Channel / 10MHz+10MHz



Date: 2.DEC.2019 11:43:06



LTE Band 5

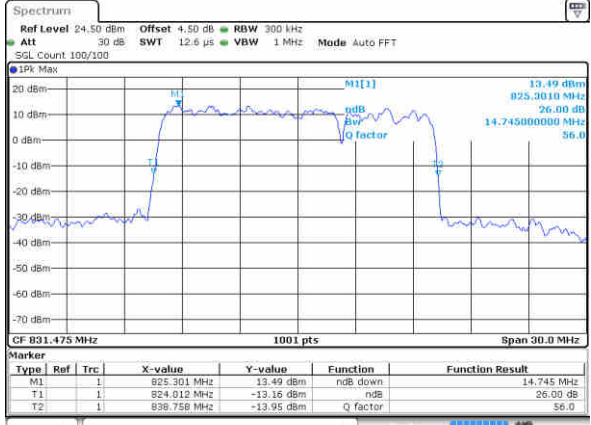
64QAM

Lowest Channel / 5MHz+10MHz



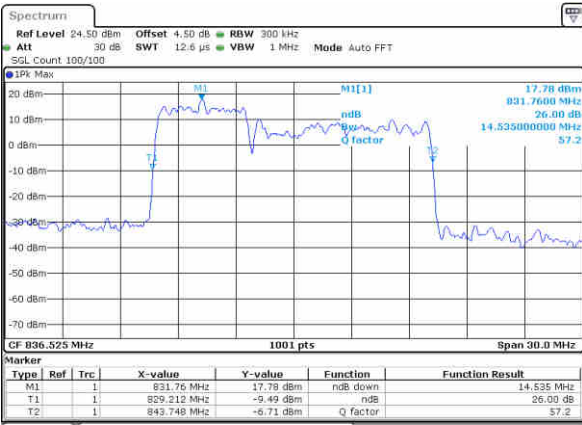
Date: 2.DEC.2019 09:45:58

Lowest Channel / 10MHz+5MHz



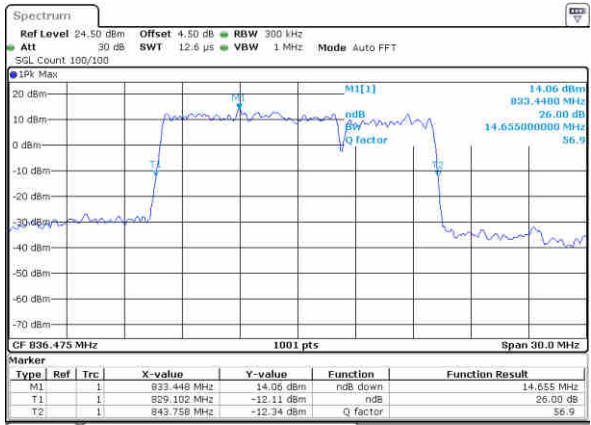
Date: 2.DEC.2019 10:34:36

Middle Channel / 5MHz+10MHz



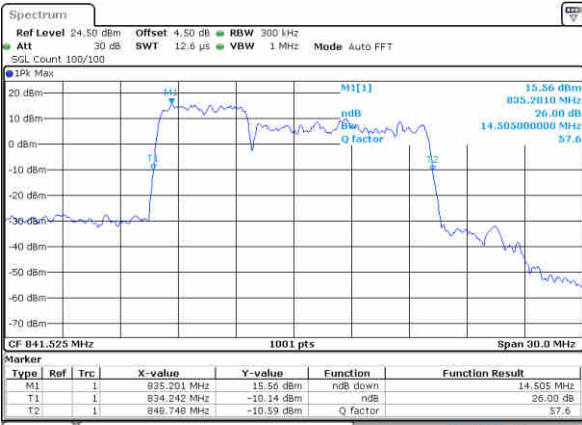
Date: 2.DEC.2019 09:48:47

Middle Channel / 10MHz+5MHz



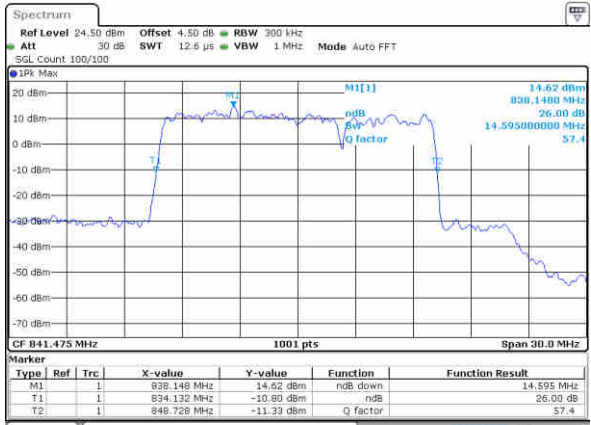
Date: 2.DEC.2019 10:52:20

Highest Channel / 5MHz+10MHz



Date: 2.DEC.2019 10:11:11

Highest Channel / 10MHz+5MHz



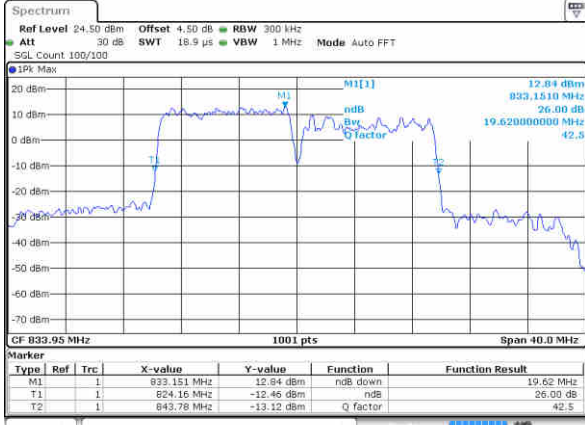
Date: 2.DEC.2019 11:01:12



LTE Band 5

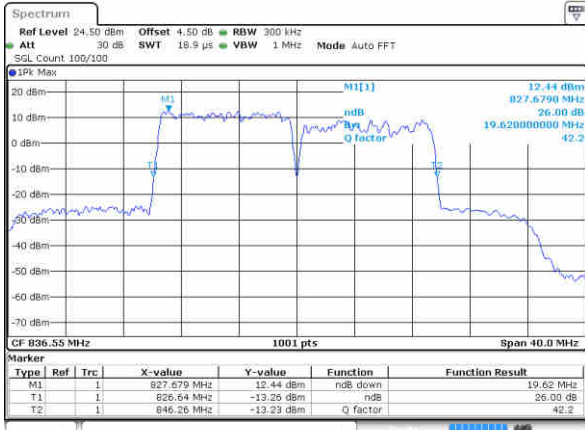
64QAM

Lowest Channel / 10MHz+10MHz



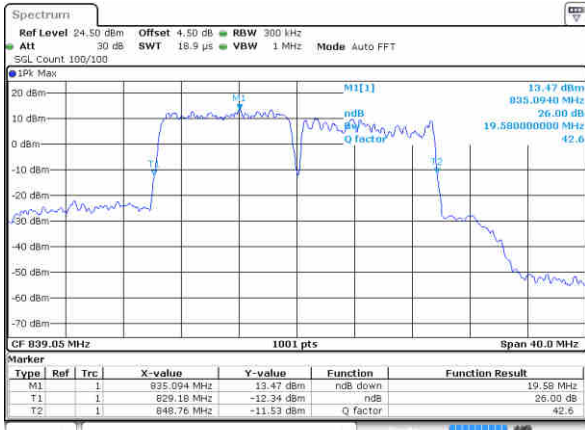
Date: 2.DEC.2019 11:23:25

Middle Channel / 10MHz+10MHz



Date: 2.DEC.2019 11:32:41

Highest Channel / 10MHz+10MHz



Date: 2.DEC.2019 11:44:40



### Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)				
QPSK					
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz		
Lowest CH	13.82	13.85	18.62		
Middle CH	13.82	13.82	18.58		
Highest CH	13.79	13.91	18.74		

Mode	LTE Band 5 : 99%OBW(MHz)				
16QAM					
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz		
Lowest CH	13.85	13.88	18.70		
Middle CH	13.67	13.79	18.66		
Highest CH	13.85	13.82	18.78		

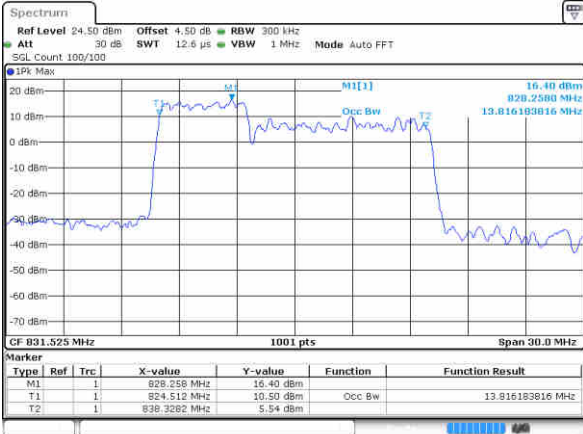
Mode	LTE Band 5 : 99%OBW(MHz)				
64QAM					
BW	5MHz+10MHz	10MHz+5MHz	10MHz+10MHz		
Lowest CH	13.79	13.91	18.70		
Middle CH	13.82	13.88	18.66		
Highest CH	13.67	13.85	18.82		



LTE Band 5

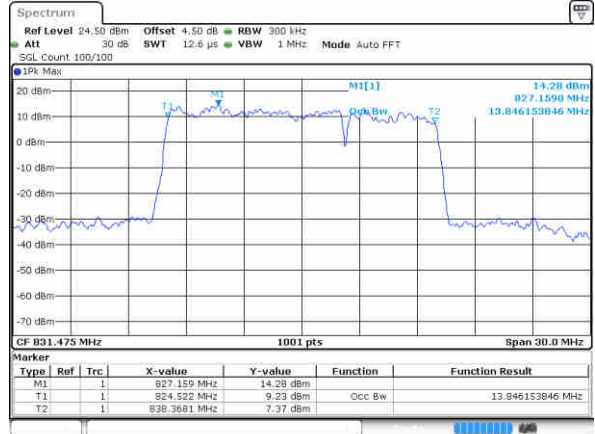
QPSK

Lowest Channel / 5MHz+10MHz



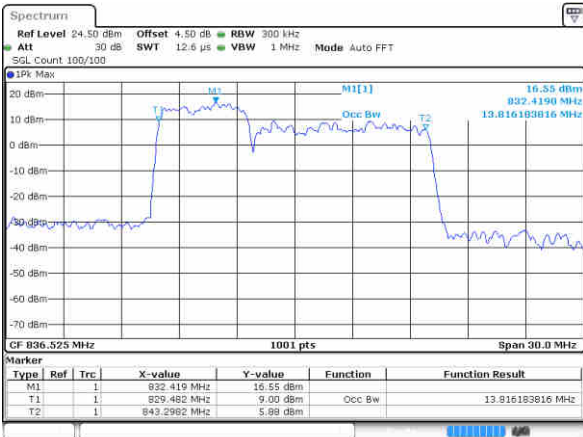
Date: 2.DEC.2019 09:41:59

Lowest Channel / 10MHz+5MHz



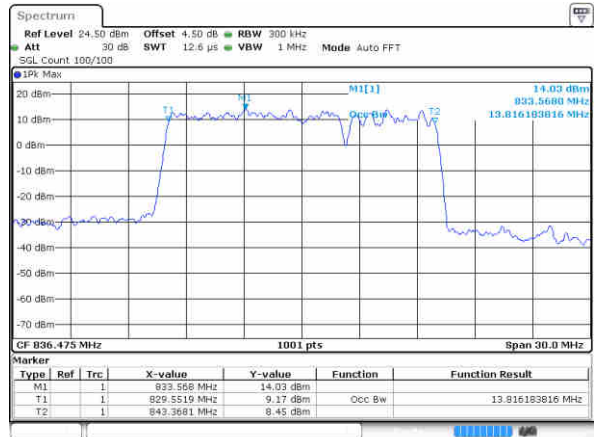
Date: 2.DEC.2019 10:36:22

Middle Channel / 5MHz+10MHz



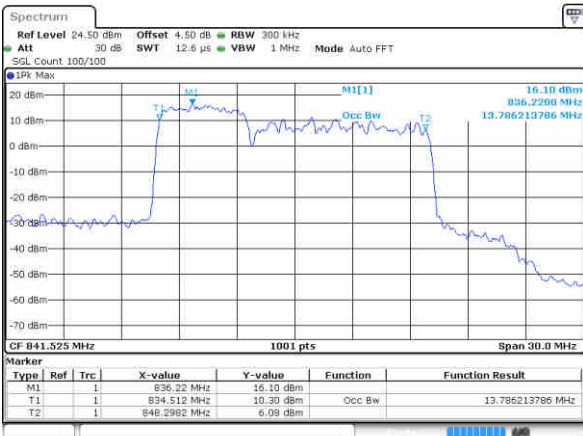
Date: 2.DEC.2019 09:50:07

Middle Channel / 10MHz+5MHz



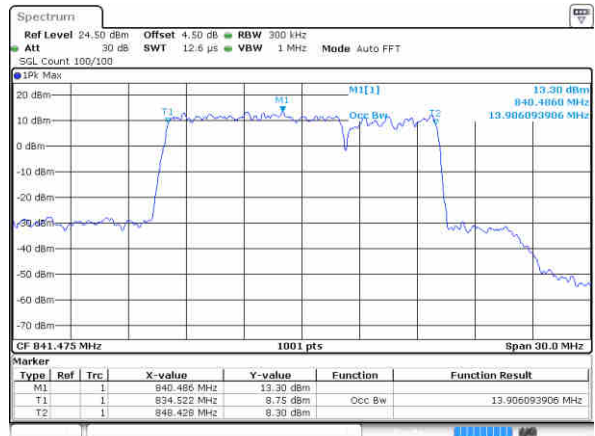
Date: 2.DEC.2019 10:53:10

Highest Channel / 5MHz+10MHz



Date: 2.DEC.2019 10:09:08

Highest Channel / 10MHz+5MHz



Date: 2.DEC.2019 10:54:53

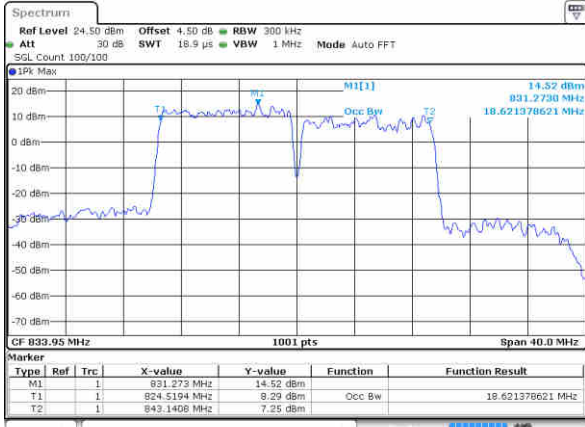




LTE Band 5

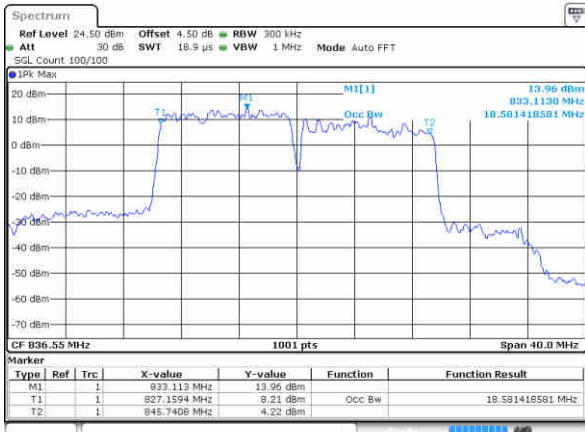
QPSK

Lowest Channel / 10MHz+10MHz



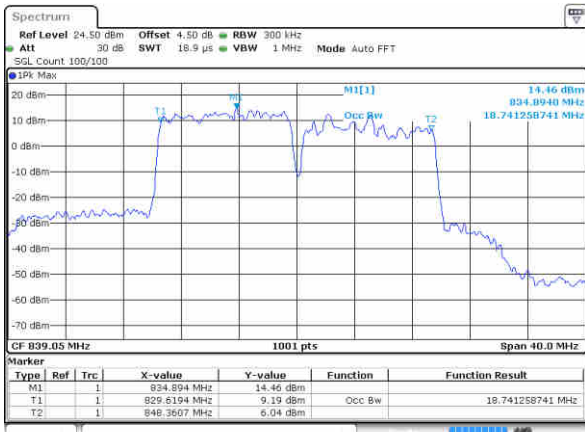
Date: 2.DEC.2019 11:28:04

Middle Channel / 10MHz+10MHz



Date: 2.DEC.2019 11:28:34

Highest Channel / 10MHz+10MHz



Date: 2.DEC.2019 11:40:33



LTE Band 5

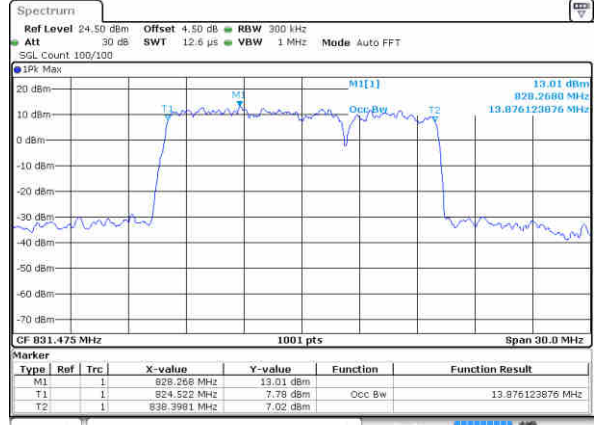
16QAM

Lowest Channel / 5MHz+10MHz



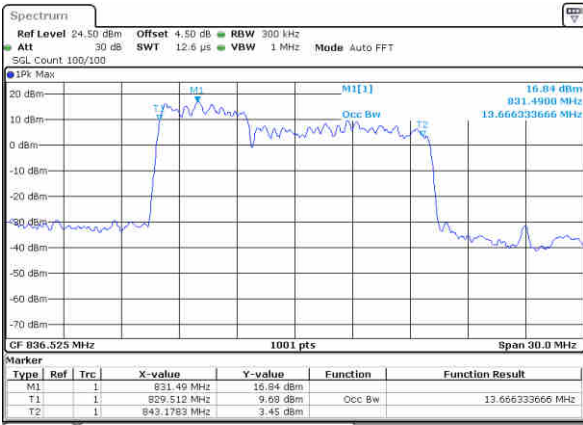
Date: 2.DEC.2019 09:44:42

Lowest Channel / 10MHz+5MHz



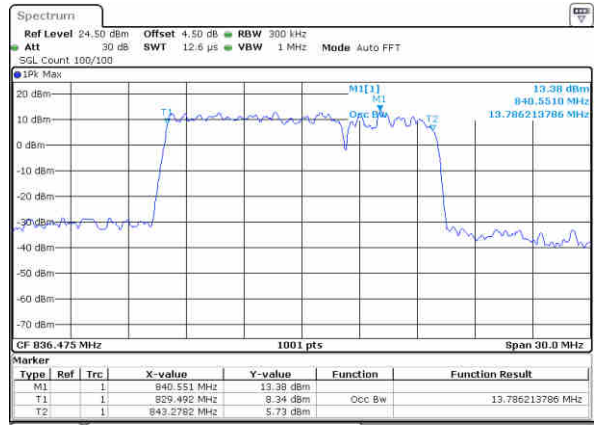
Date: 2.DEC.2019 10:35:26

Middle Channel / 5MHz+10MHz



Date: 2.DEC.2019 09:49:31

Middle Channel / 10MHz+5MHz



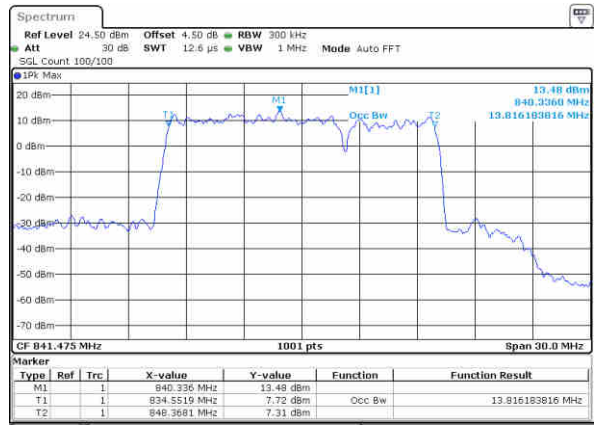
Date: 2.DEC.2019 10:51:44

Highest Channel / 5MHz+10MHz



Date: 2.DEC.2019 10:10:02

Highest Channel / 10MHz+5MHz



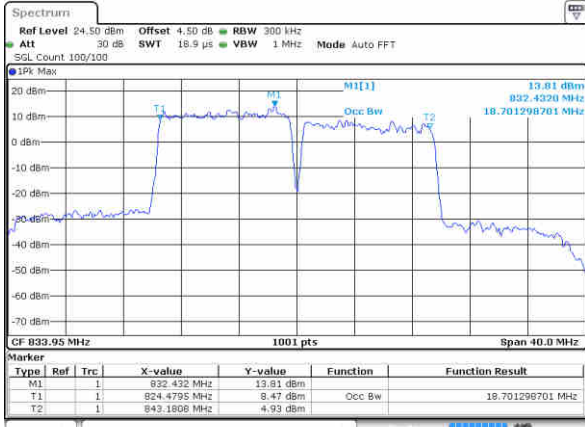
Date: 2.DEC.2019 10:57:19



LTE Band 5

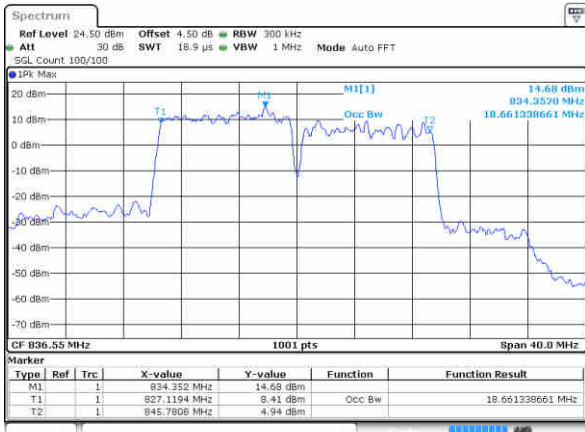
16QAM

Lowest Channel / 10MHz+10MHz



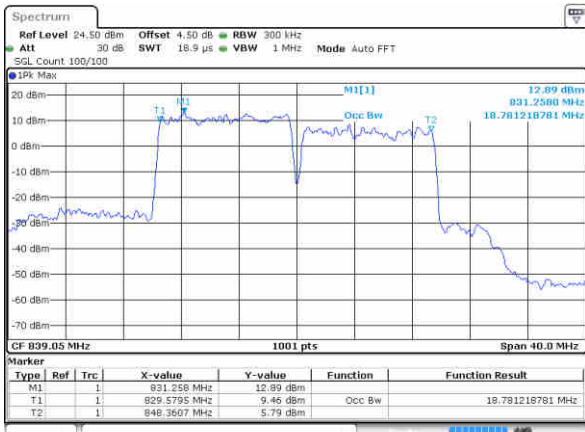
Date: 2.DEC.2019 11:24:15

Middle Channel / 10MHz+10MHz



Date: 2.DEC.2019 11:29:27

Highest Channel / 10MHz+10MHz



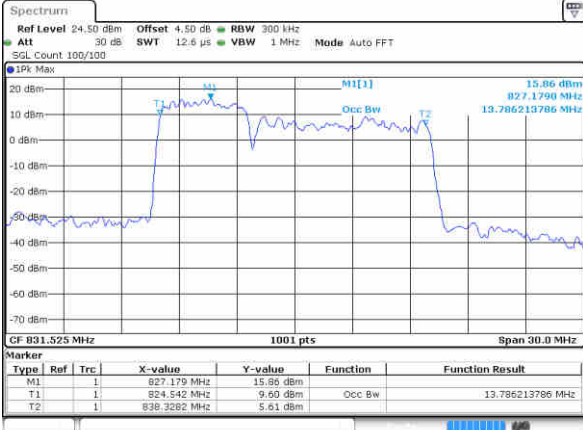
Date: 2.DEC.2019 11:41:21



LTE Band 5

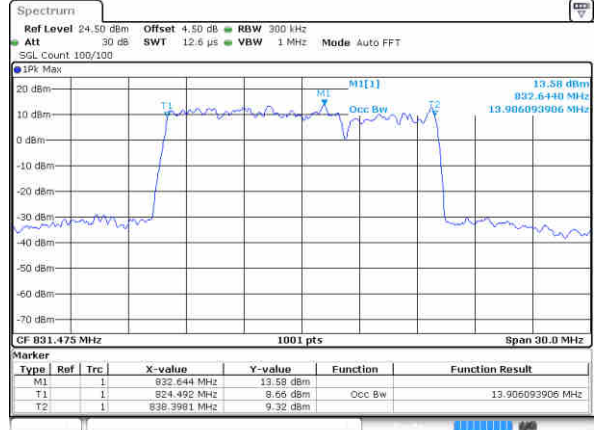
64QAM

Lowest Channel / 5MHz+10MHz



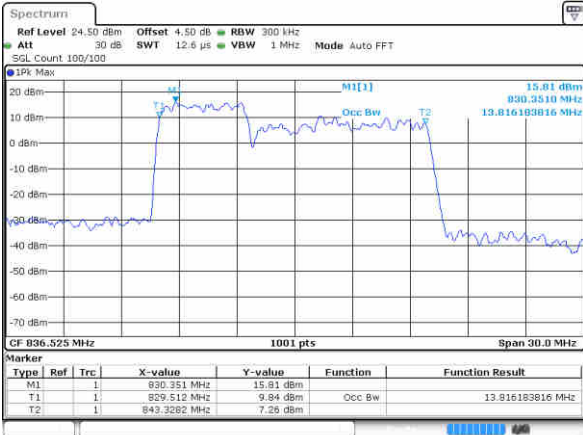
Date: 2.DEC.2019 09:45:51

Lowest Channel / 10MHz+5MHz



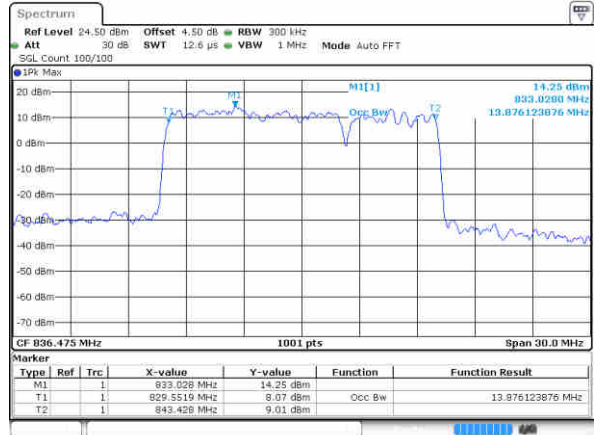
Date: 2.DEC.2019 10:34:29

Middle Channel / 5MHz+10MHz



Date: 2.DEC.2019 09:48:36

Middle Channel / 10MHz+5MHz



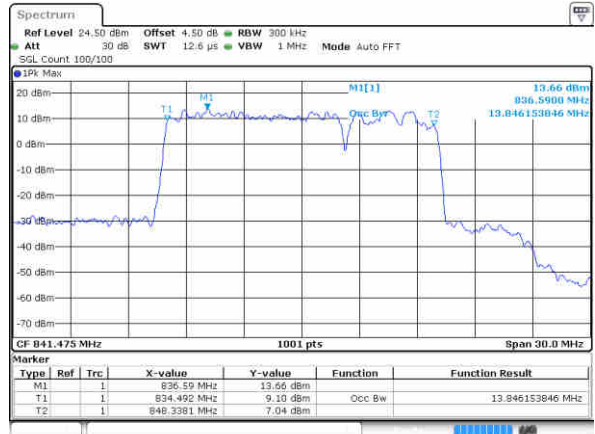
Date: 2.DEC.2019 10:52:14

Highest Channel / 5MHz+10MHz



Date: 2.DEC.2019 10:11:04

Highest Channel / 10MHz+5MHz



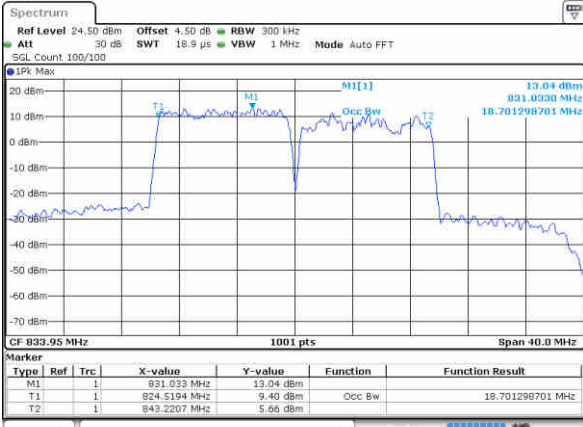
Date: 2.DEC.2019 11:01:03



LTE Band 5

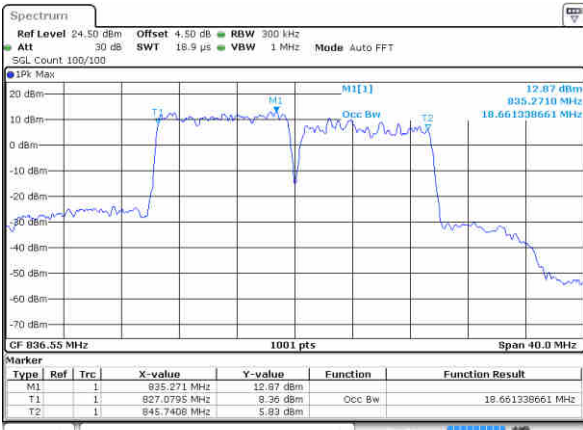
64QAM

Lowest Channel / 10MHz+10MHz



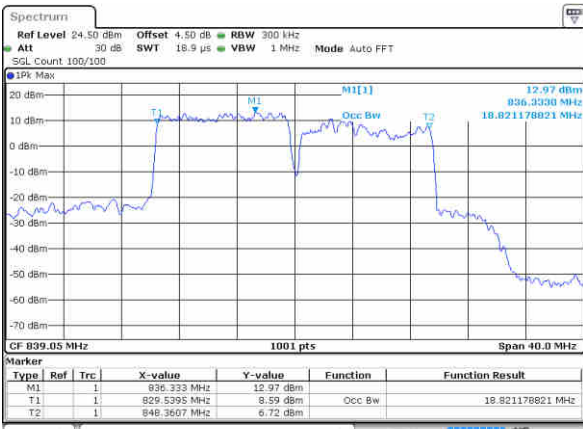
Date: 2.DEC.2019 11:20:44

Middle Channel / 10MHz+10MHz



Date: 2.DEC.2019 11:31:38

Highest Channel / 10MHz+10MHz



Date: 2.DEC.2019 11:43:43

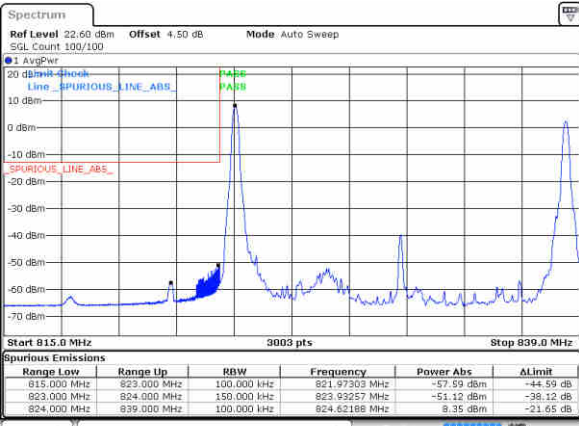


# Conducted Band Edge

## LTE Band 5 / 5MHz+10MHz

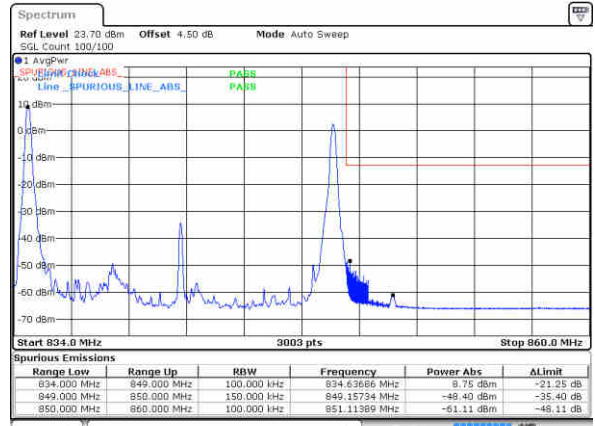
### QPSK

#### Lowest Band Edge / 1RB0 and 1RB49



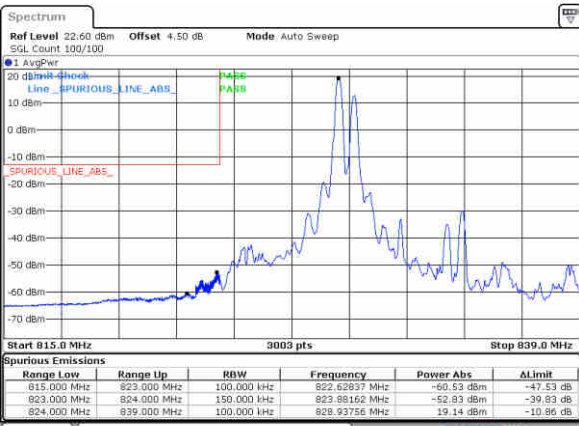
Date: 2 DEC 2019 09:41:15

#### Highest Band Edge / 1RB0 and 1RB49



Date: 2 DEC 2019 10:08:34

#### Lowest Band Edge / 1RB24 and 1RB0



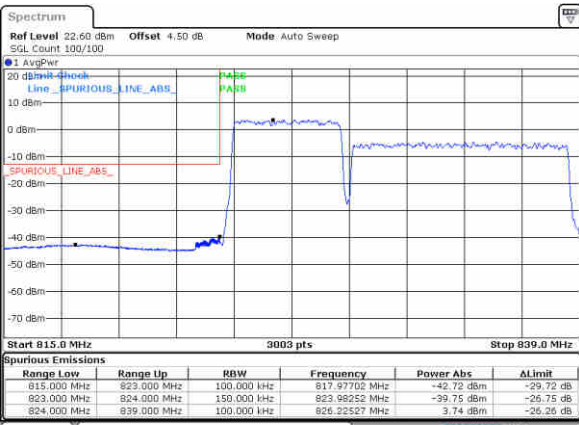
Date: 2 DEC 2019 09:34:29

#### Highest Band Edge / 1RB24 and 1RB0



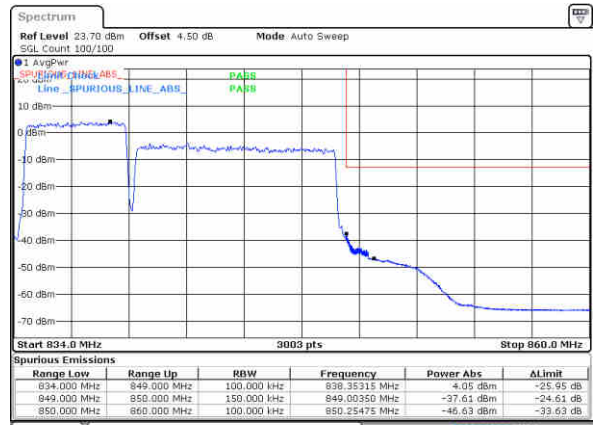
Date: 2 DEC 2019 10:09:46

#### Lowest Band Edge / Full RB



Date: 2 DEC 2019 09:44:18

#### Highest Band Edge / Full RB



Date: 2 DEC 2019 10:09:46

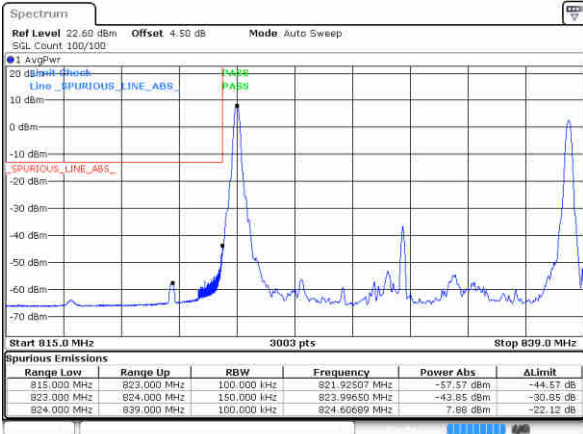




LTE Band 5 / 10MHz+5MHz

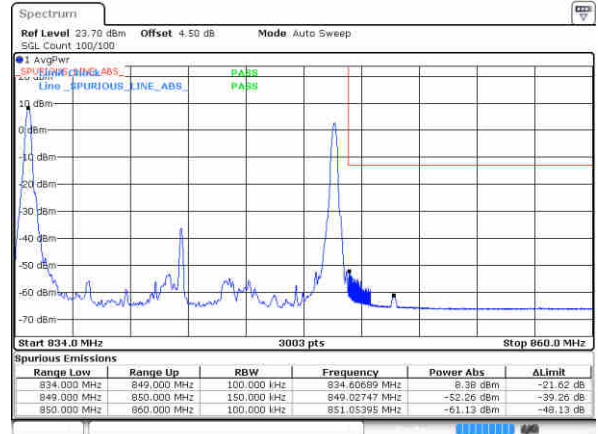
QPSK

Lowest Band Edge / 1RB0 and 1RB24



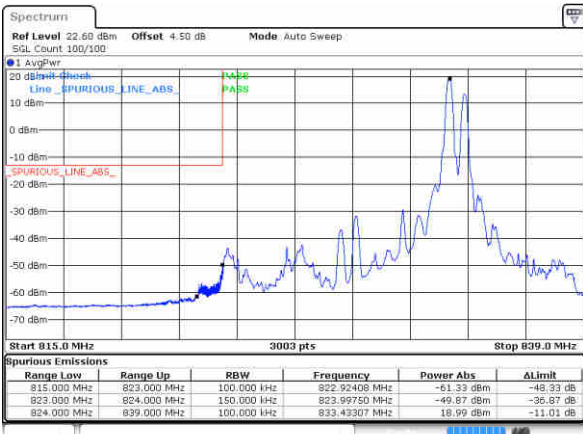
Date: 2.DEC.2019 10:38:33

Highest Band Edge / 1RB0 and 1RB24



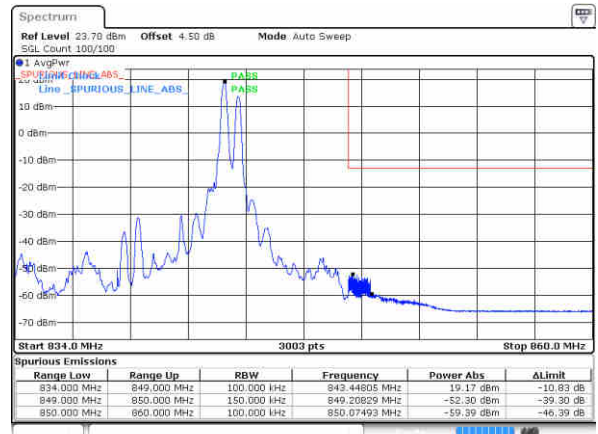
Date: 2.DEC.2019 11:05:31

Lowest Band Edge / 1RB49 and 1RB0



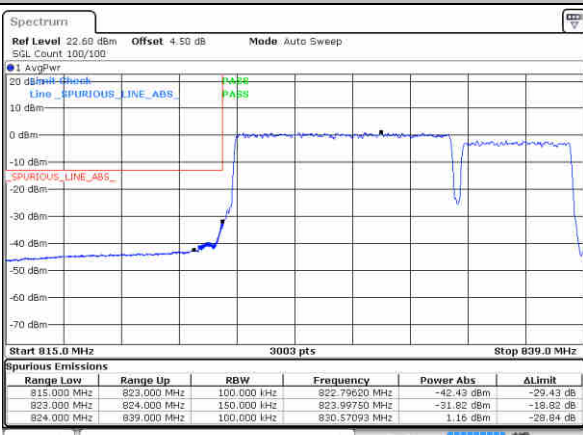
Date: 2.DEC.2019 10:44:49

Highest Band Edge / 1RB49 and 1RB0



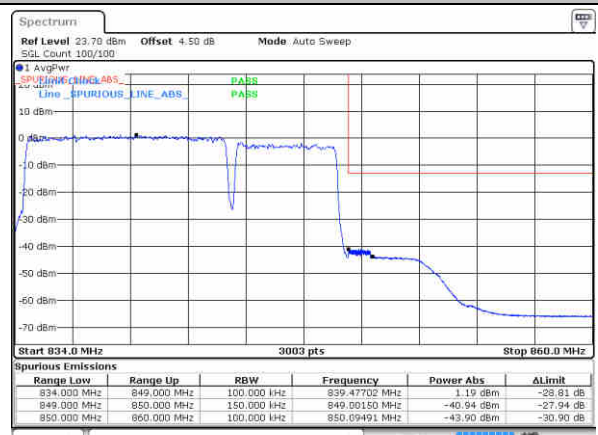
Date: 2.DEC.2019 11:06:23

Lowest Band Edge / Full RB



Date: 2.DEC.2019 10:37:34

Highest Band Edge / Full RB



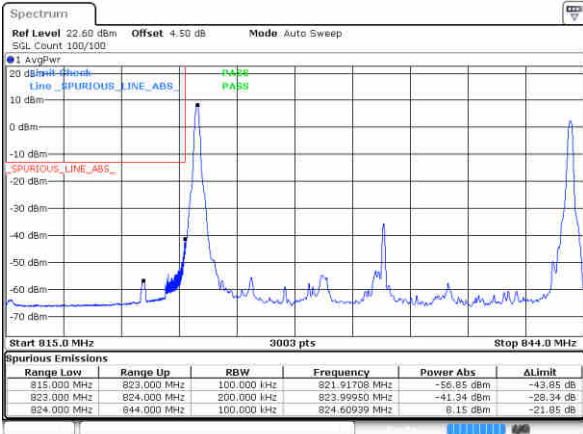
Date: 2.DEC.2019 10:56:48



LTE Band 5 / 10MHz+10MHz

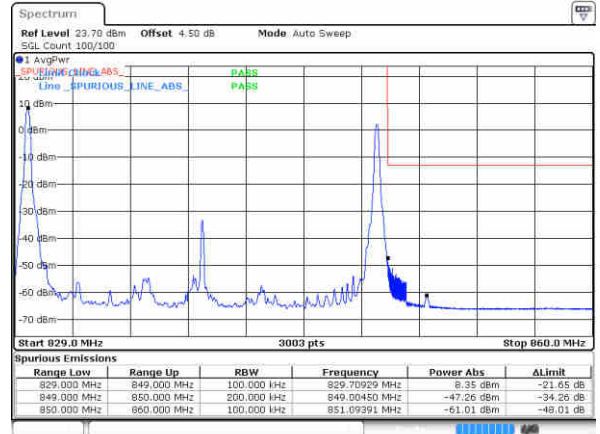
QPSK

Lowest Band Edge / 1RB0 and 1RB49



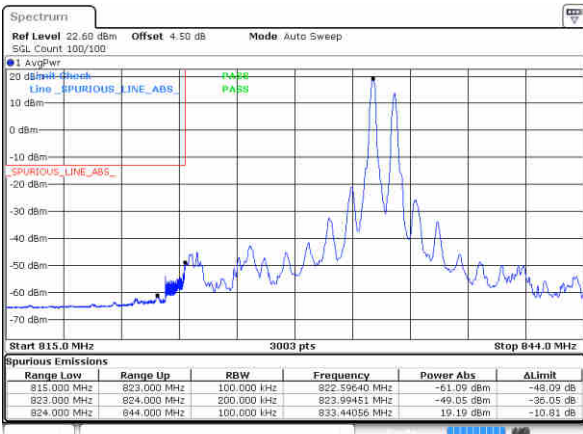
Date: 2.DEC.2019 11:17:38

Highest Band Edge / 1RB0 and 1RB49



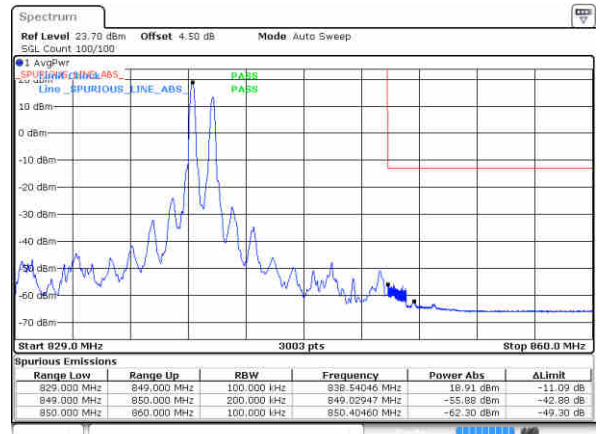
Date: 2.DEC.2019 11:49:14

Lowest Band Edge / 1RB49 and 1RB0



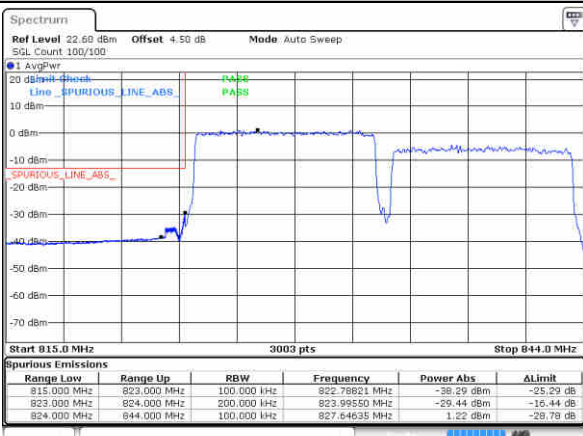
Date: 2.DEC.2019 11:16:16

Highest Band Edge / 1RB49 and 1RB0



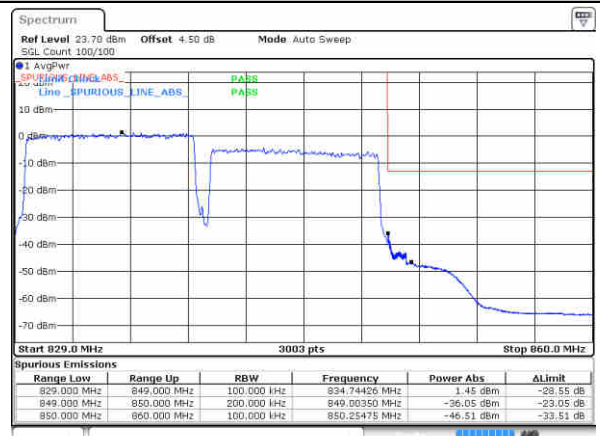
Date: 2.DEC.2019 12:02:16

Lowest Band Edge / Full RB



Date: 2.DEC.2019 11:25:54

Highest Band Edge / Full RB



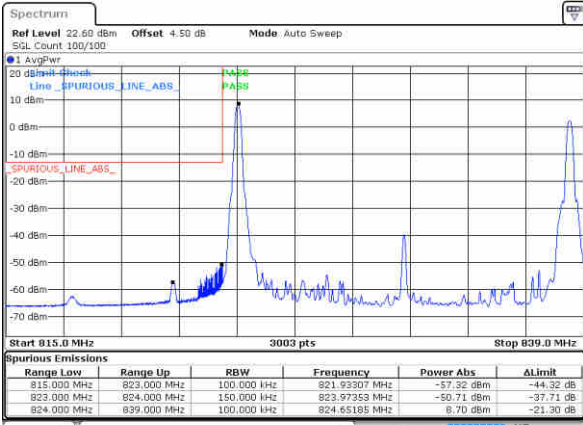
Date: 2.DEC.2019 11:48:01



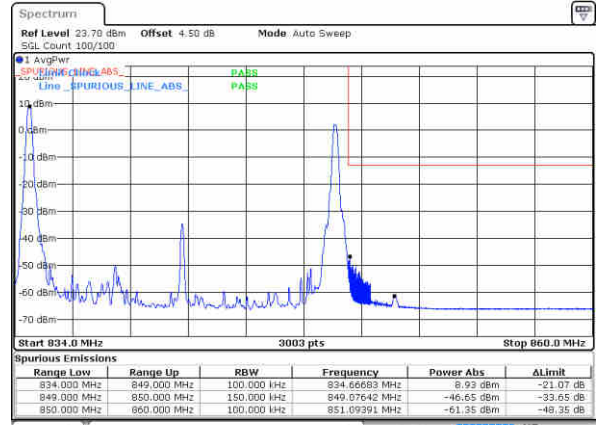
LTE Band 5 / 5MHz+10MHz

16QAM

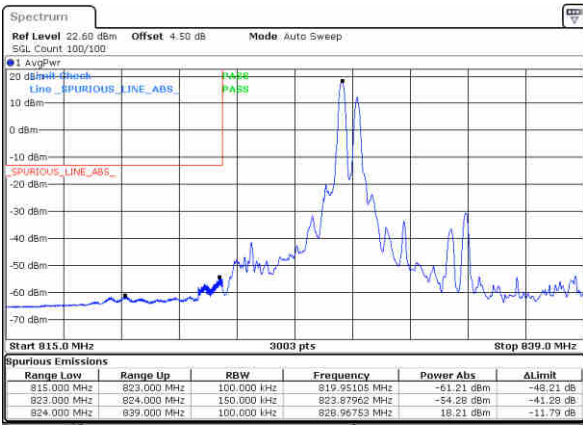
Lowest Band Edge / 1RB0 and 1RB49



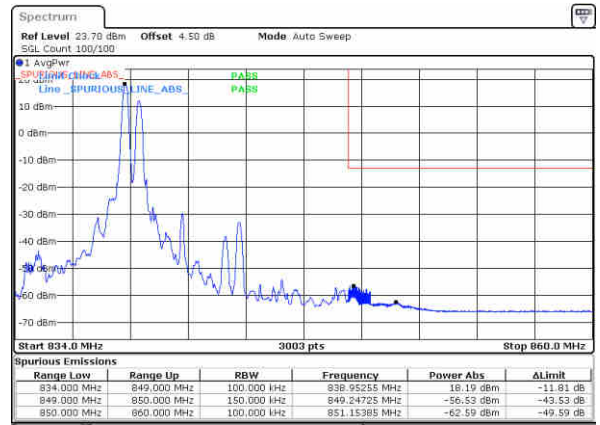
Highest Band Edge / 1RB0 and 1RB49



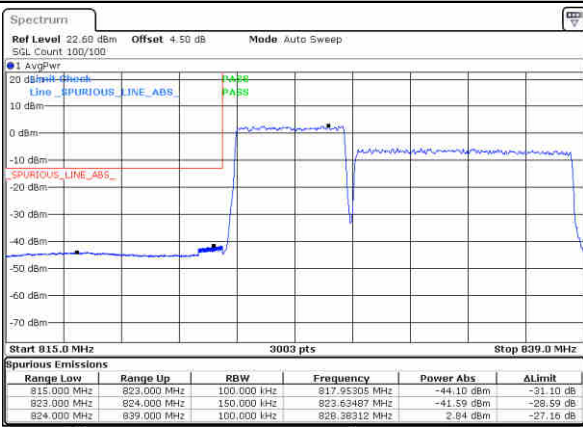
Lowest Band Edge / 1RB24 and 1RB0



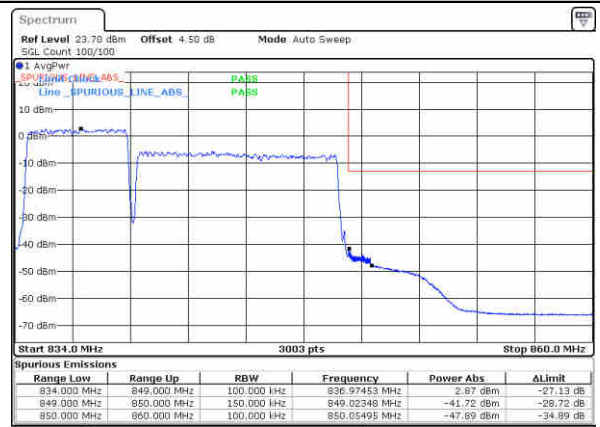
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

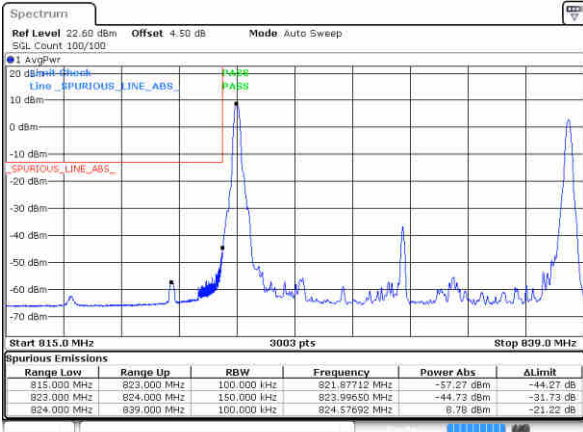




LTE Band 5 / 10MHz+5MHz

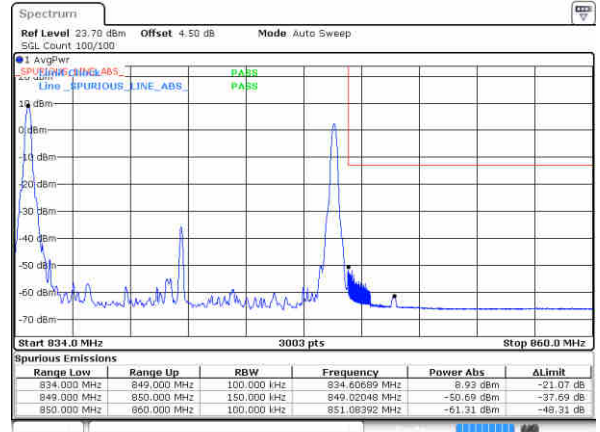
16QAM

Lowest Band Edge / 1RB0 and 1RB24



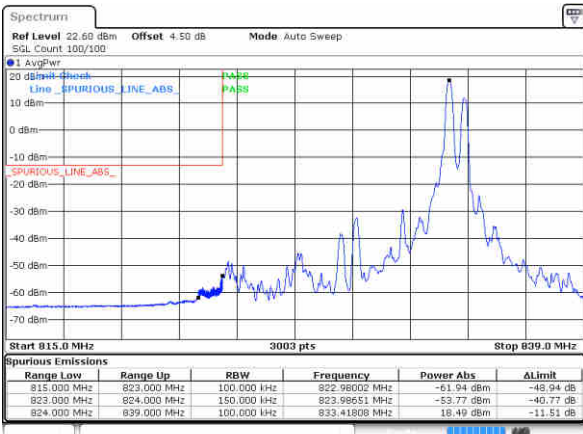
Date: 2.DEC.2019 10:39:12

Highest Band Edge / 1RB0 and 1RB24



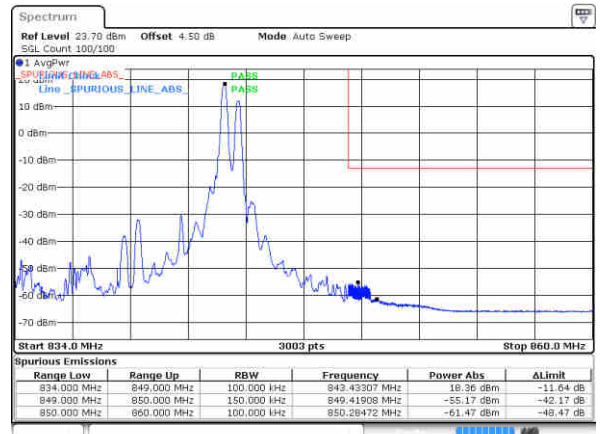
Date: 2.DEC.2019 11:04:35

Lowest Band Edge / 1RB49 and 1RB0



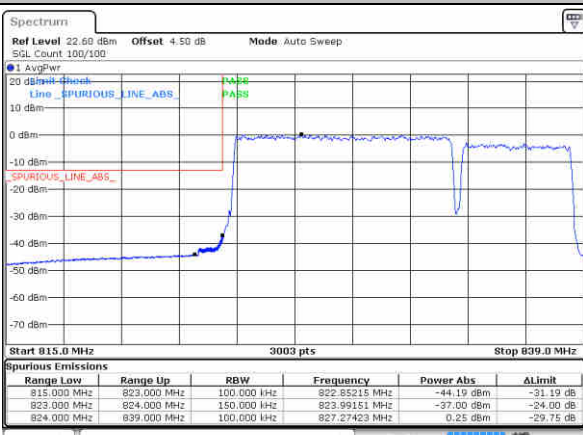
Date: 2.DEC.2019 10:43:40

Highest Band Edge / 1RB49 and 1RB0



Date: 2.DEC.2019 11:07:52

Lowest Band Edge / Full RB



Date: 2.DEC.2019 10:36:00

Highest Band Edge / Full RB



Date: 2.DEC.2019 11:00:39

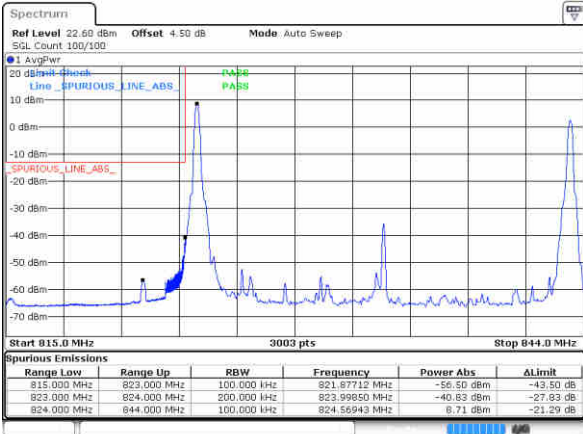




LTE Band 5 / 10MHz+10MHz

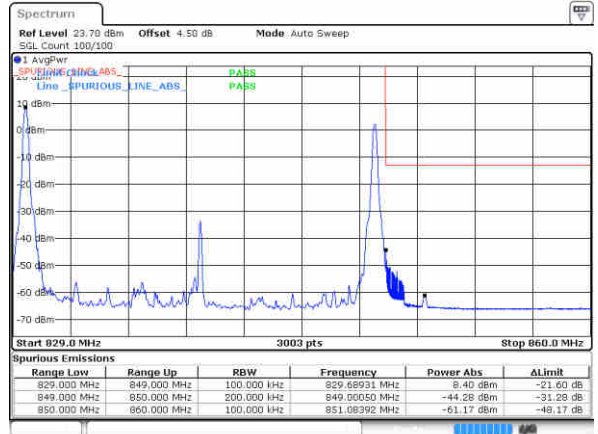
16QAM

Lowest Band Edge / 1RB0 and 1RB49



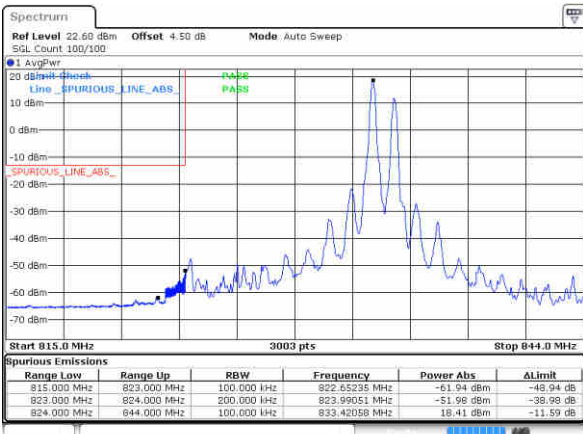
Date: 2.DEC.2019 11:16:40

Highest Band Edge / 1RB0 and 1RB49



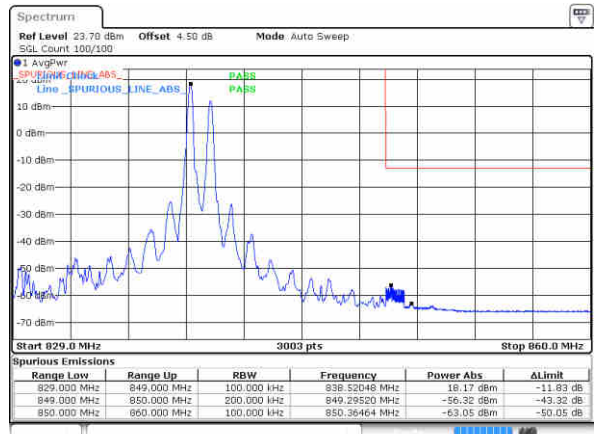
Date: 2.DEC.2019 11:49:57

Lowest Band Edge / 1RB49 and 1RB0



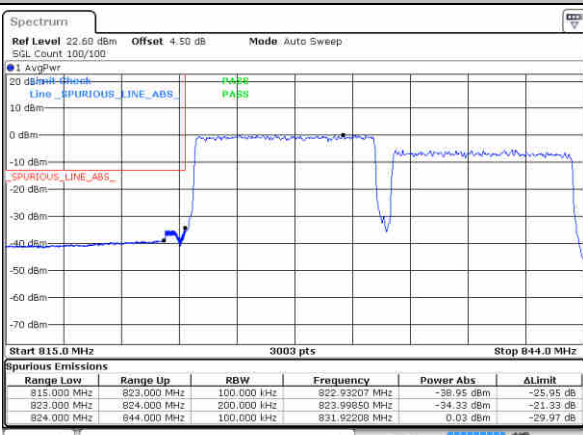
Date: 2.DEC.2019 11:14:54

Highest Band Edge / 1RB49 and 1RB0



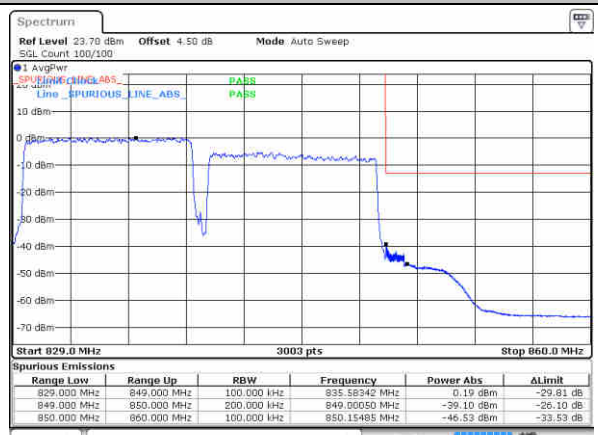
Date: 2.DEC.2019 11:53:13

Lowest Band Edge / Full RB



Date: 2.DEC.2019 11:24:08

Highest Band Edge / Full RB



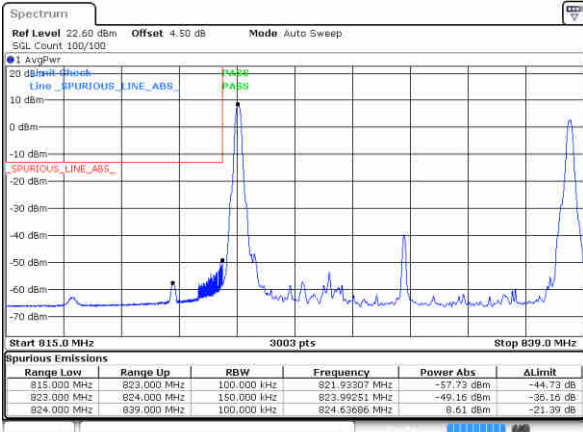
Date: 2.DEC.2019 11:46:57



LTE Band 5 / 5MHz+10MHz

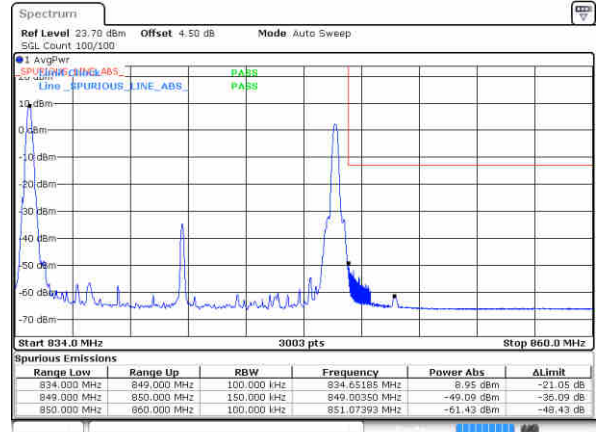
64QAM

Lowest Band Edge / 1RB0 and 1RB49



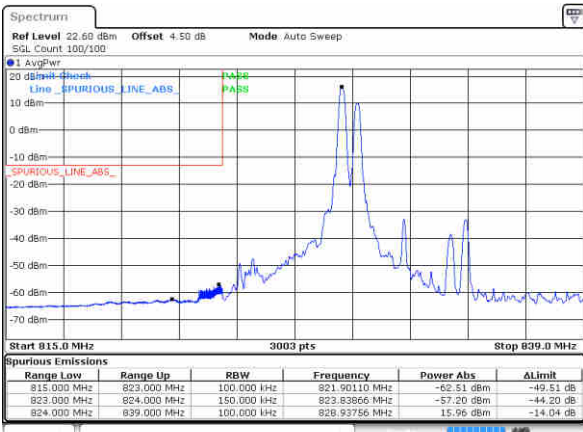
Date: 2 DEC 2019 09:38:59

Highest Band Edge / 1RB0 and 1RB49



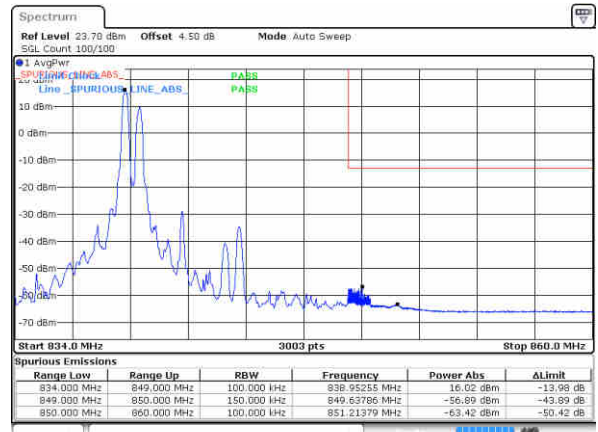
Date: 2 DEC 2019 10:07:02

Lowest Band Edge / 1RB24 and 1RB0



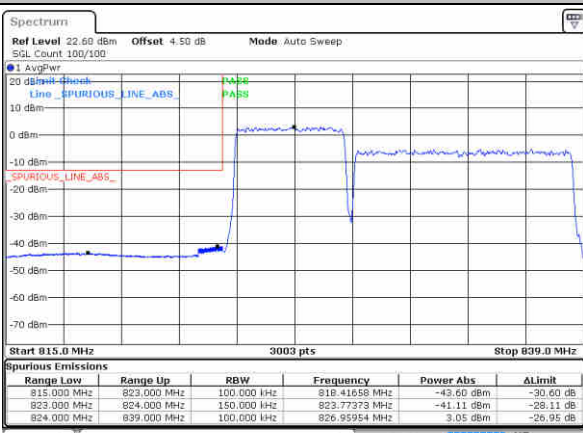
Date: 2 DEC 2019 09:36:41

Highest Band Edge / 1RB24 and 1RB0



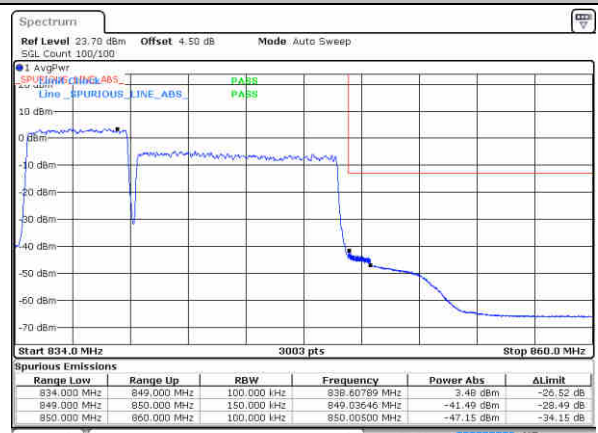
Date: 2 DEC 2019 10:05:58

Lowest Band Edge / Full RB



Date: 2 DEC 2019 09:46:27

Highest Band Edge / Full RB



Date: 2 DEC 2019 10:30:17

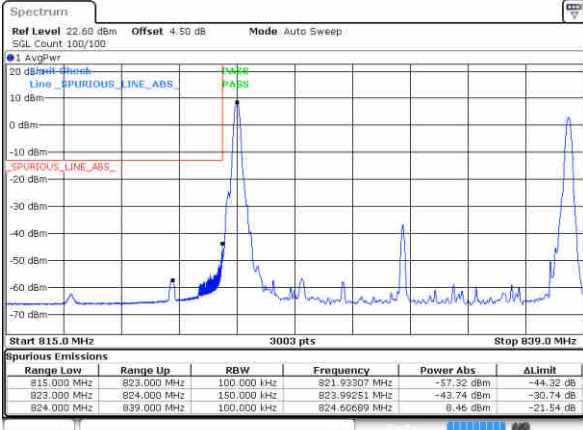




LTE Band 5 / 10MHz+5MHz

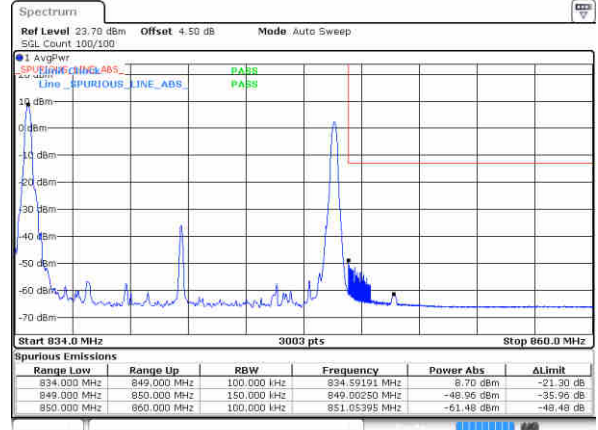
64QAM

Lowest Band Edge / 1RB0 and 1RB24



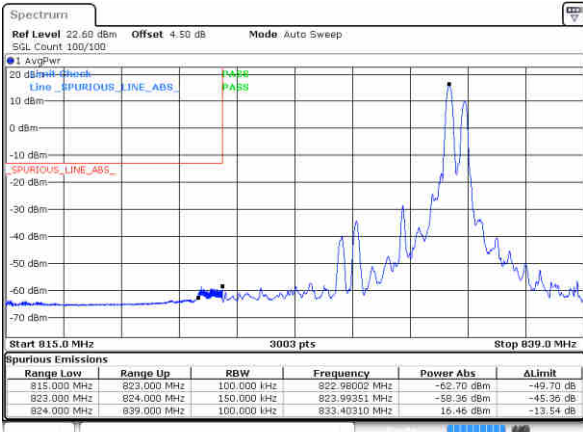
Date: 2.DEC.2019 10:39:52

Highest Band Edge / 1RB0 and 1RB24



Date: 2.DEC.2019 11:03:18

Lowest Band Edge / 1RB49 and 1RB0



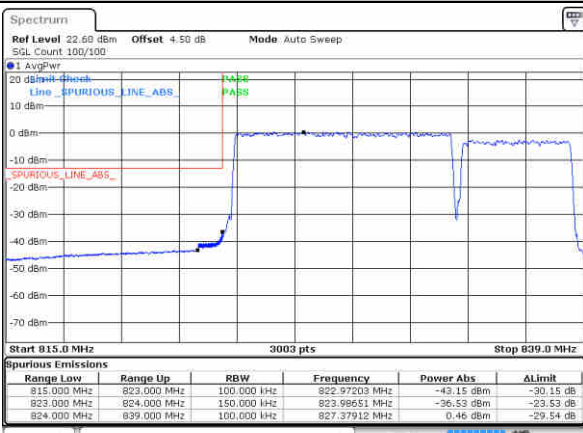
Date: 2.DEC.2019 10:42:37

Highest Band Edge / 1RB49 and 1RB0



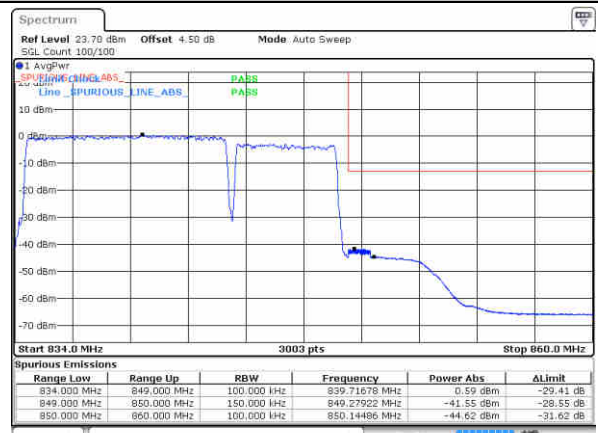
Date: 2.DEC.2019 11:10:11

Lowest Band Edge / Full RB



Date: 2.DEC.2019 10:35:06

Highest Band Edge / Full RB



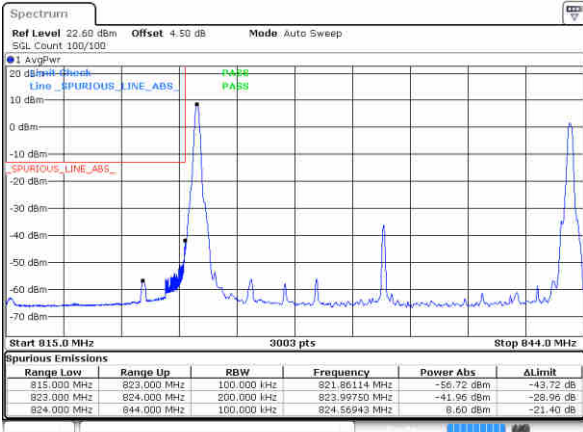
Date: 2.DEC.2019 11:01:48



LTE Band 5 / 10MHz+10MHz

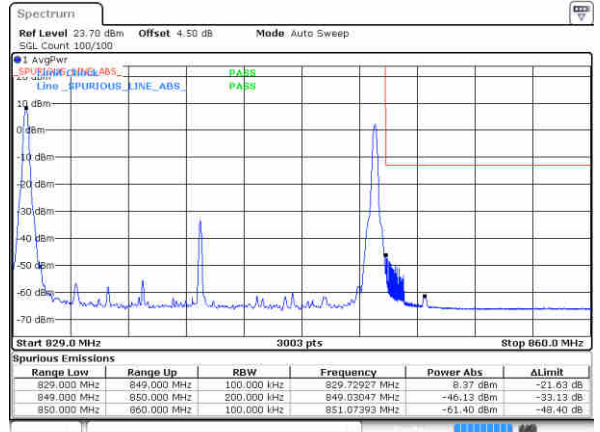
64QAM

Lowest Band Edge / 1RB0 and 1RB49



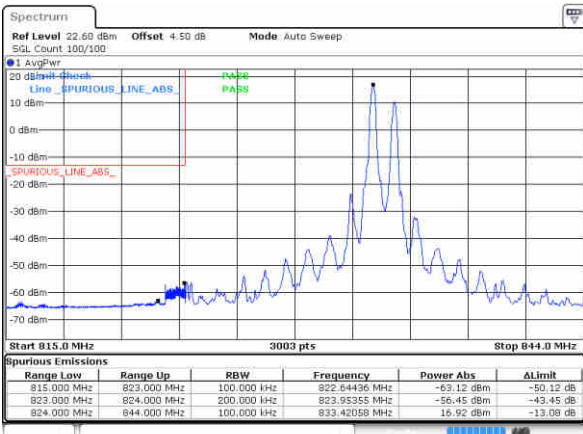
Date: 2.DEC.2019 11:19:25

Highest Band Edge / 1RB0 and 1RB49



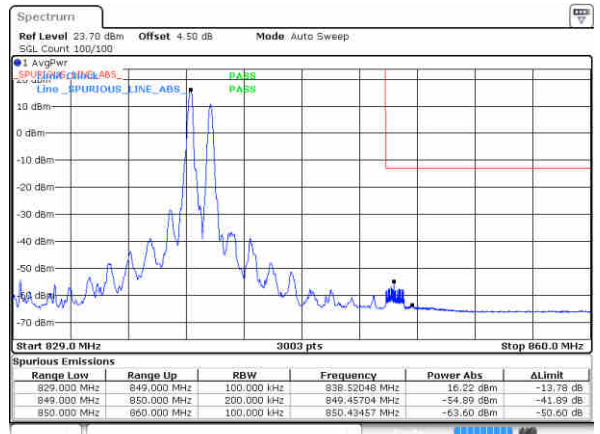
Date: 2.DEC.2019 11:50:54

Lowest Band Edge / 1RB49 and 1RB0



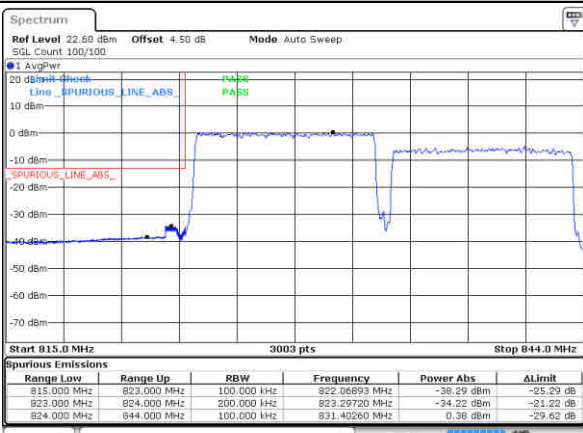
Date: 2.DEC.2019 11:13:49

Highest Band Edge / 1RB49 and 1RB0



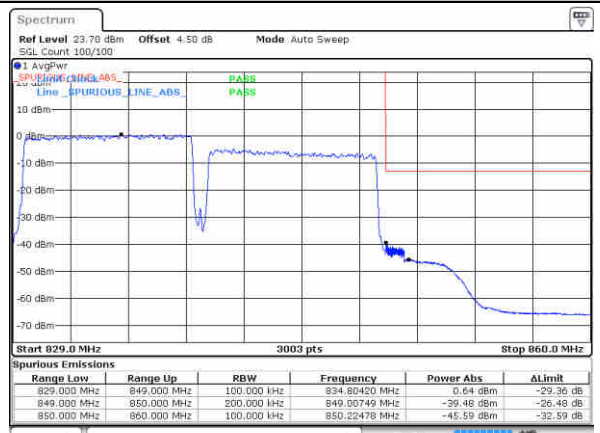
Date: 2.DEC.2019 11:52:08

Lowest Band Edge / Full RB



Date: 2.DEC.2019 11:21:14

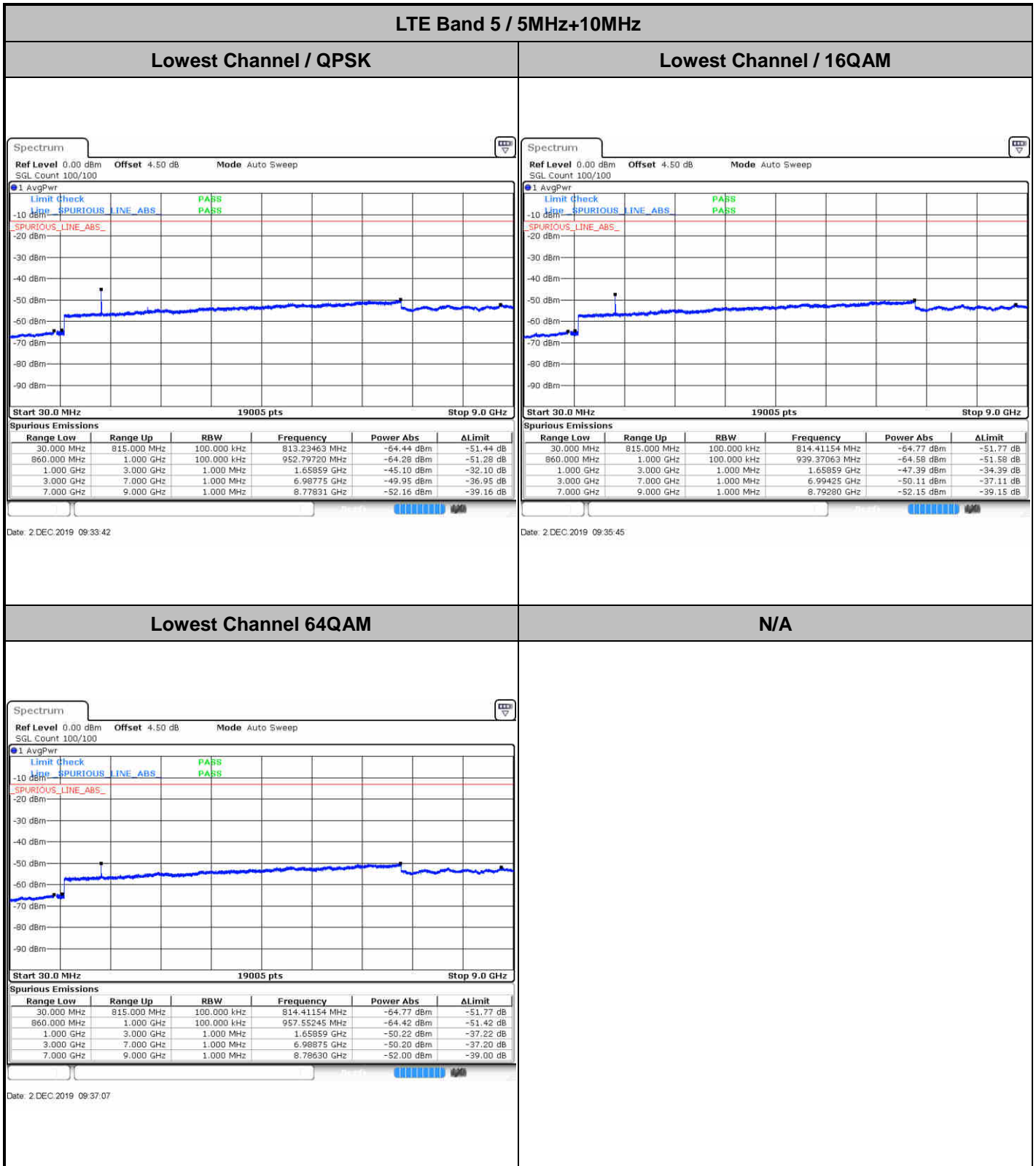
Highest Band Edge / Full RB



Date: 2.DEC.2019 11:46:11



# Conducted Spurious Emission

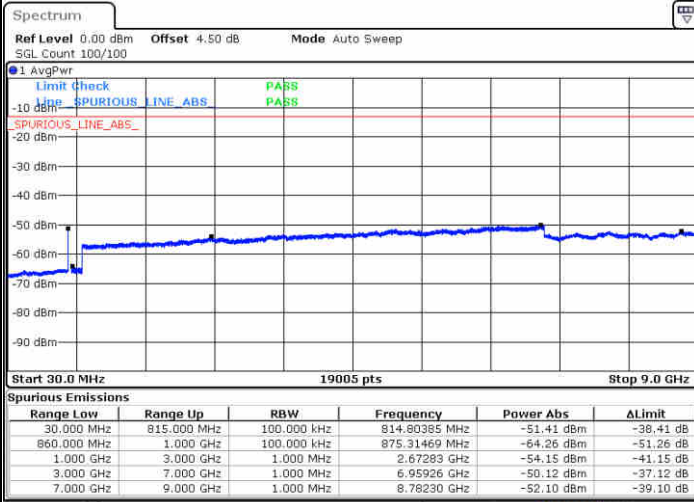




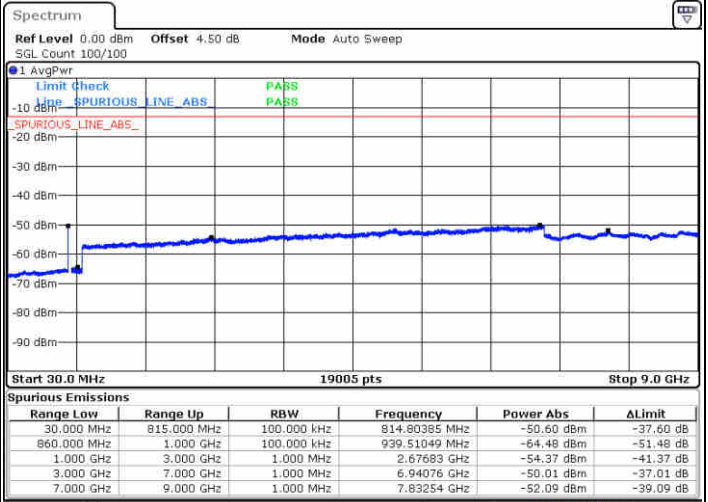
LTE Band 5 / 5MHz+10MHz

Middle Channel / QPSK

Middle Channel /16QAM



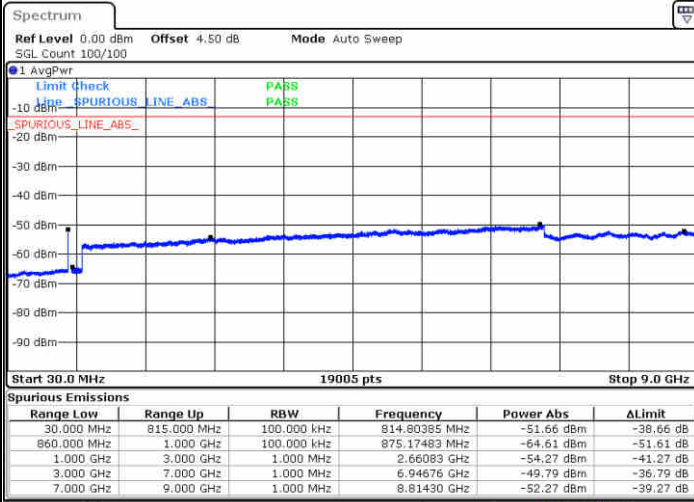
Date: 2 DEC.2019 09:51:34



Date: 2 DEC.2019 09:52:20

Middle Channel / 64QAM

N/A



Date: 2 DEC.2019 09:53:19