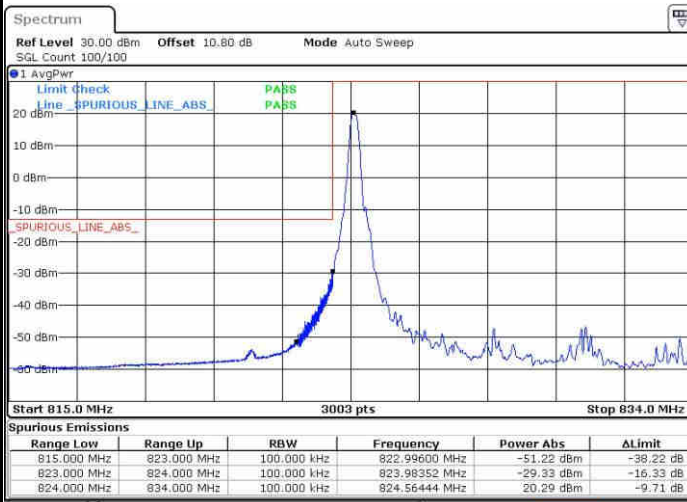




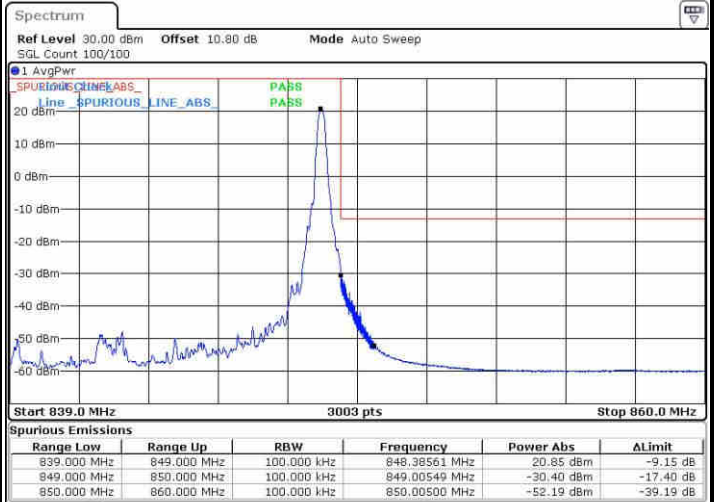
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



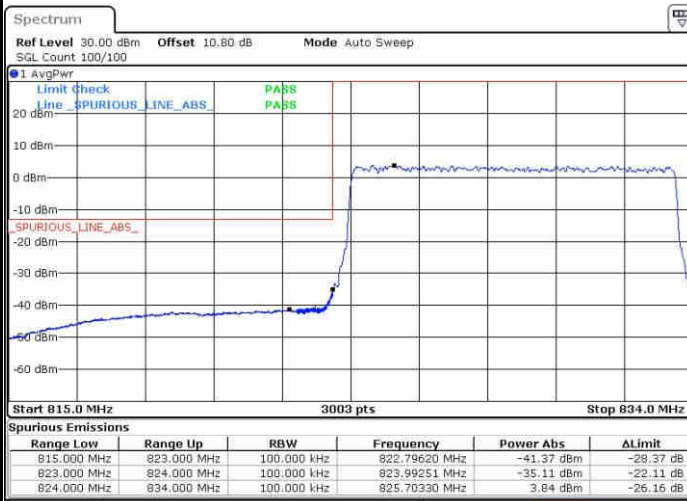
Date: 14 APR 2019 06:58:58

Highest Band Edge / 1 RB



Date: 14 APR 2019 07:06:35

Lowest Band Edge / Full RB



Date: 14 APR 2019 06:58:07

Highest Band Edge / Full RB

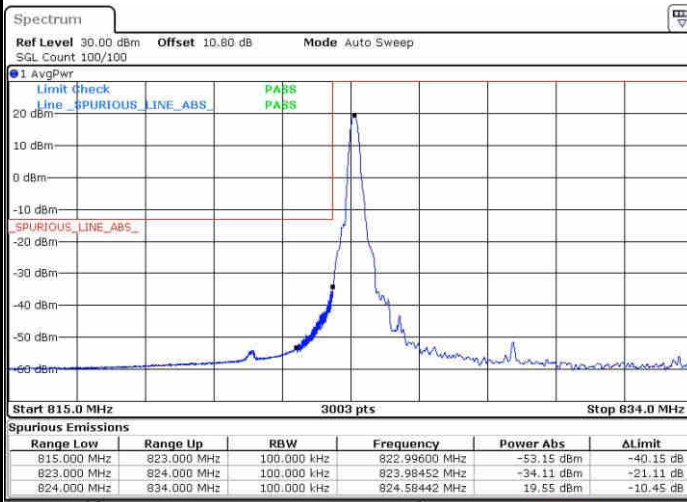


Date: 14 APR 2019 07:07:26



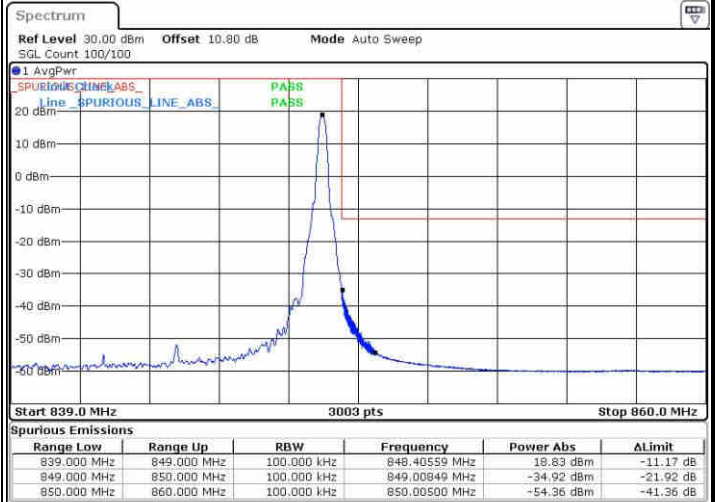
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



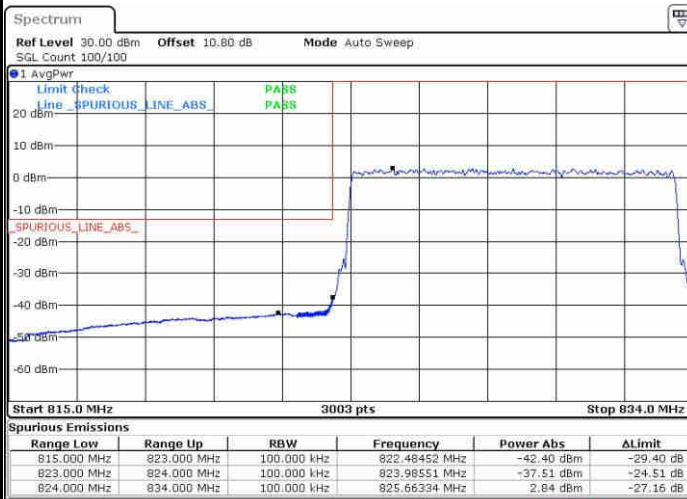
Date: 14 APR 2019 06:10:11

Highest Band Edge / 1 RB



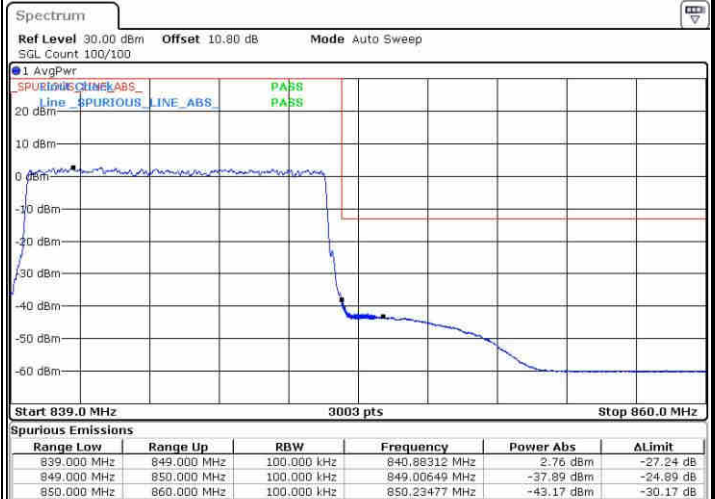
Date: 14 APR 2019 06:13:34

Lowest Band Edge / Full RB



Date: 14 APR 2019 06:09:20

Highest Band Edge / Full RB

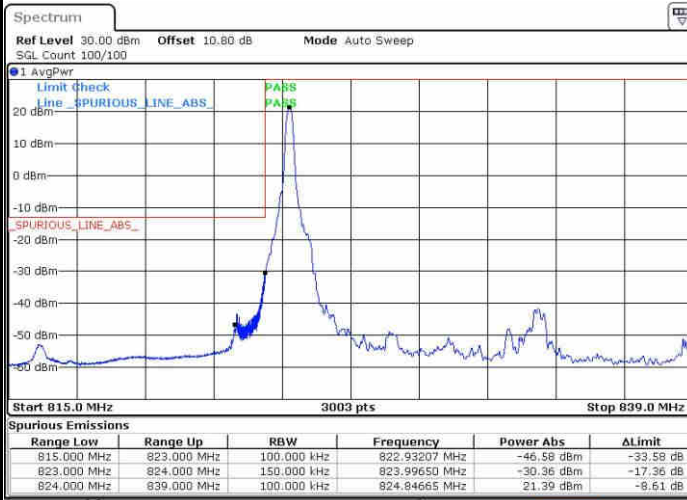


Date: 14 APR 2019 06:14:25



LTE Band 26 / 15MHz / QPSK

Lowest Band Edge / 1 RB



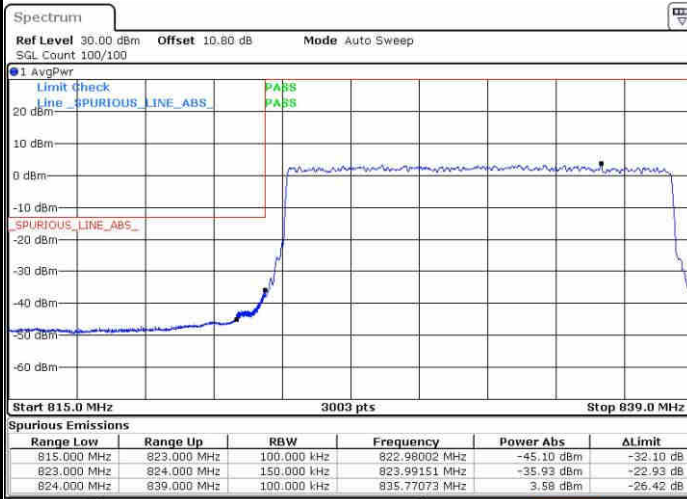
Date: 14 APR 2019 07:14:08

Highest Band Edge / 1 RB



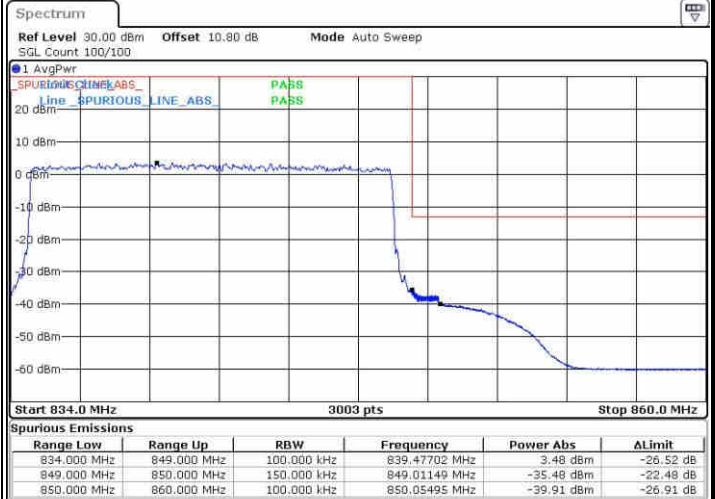
Date: 14 APR 2019 07:20:01

Lowest Band Edge / Full RB



Date: 14 APR 2019 07:11:38

Highest Band Edge / Full RB

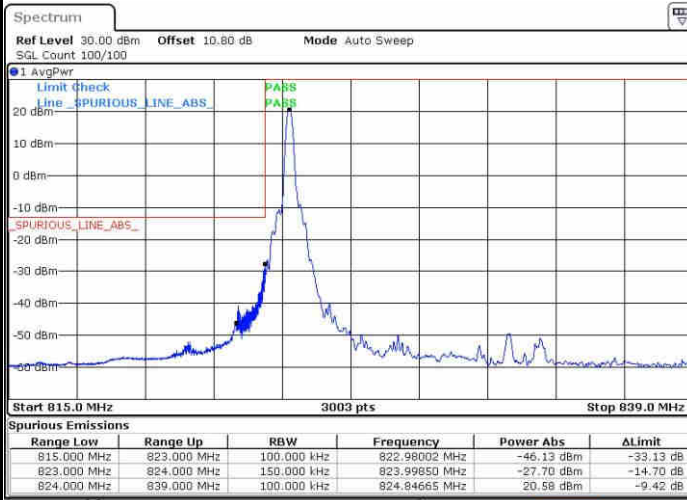


Date: 14 APR 2019 07:22:34



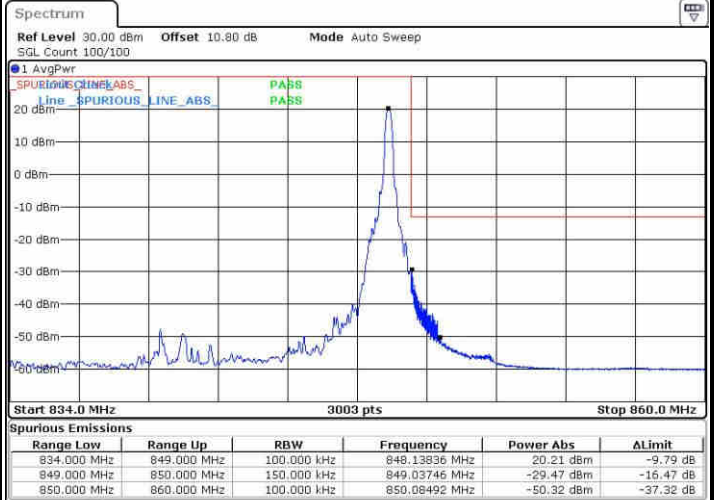
LTE Band 26 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



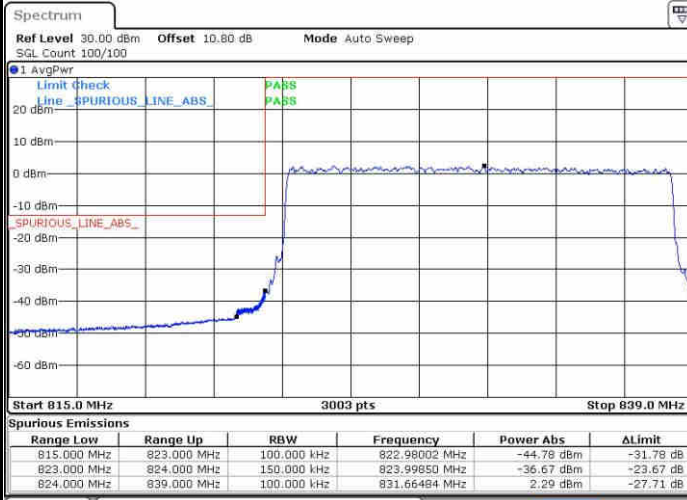
Date: 14 APR 2019 07:13:18

Highest Band Edge / 1 RB



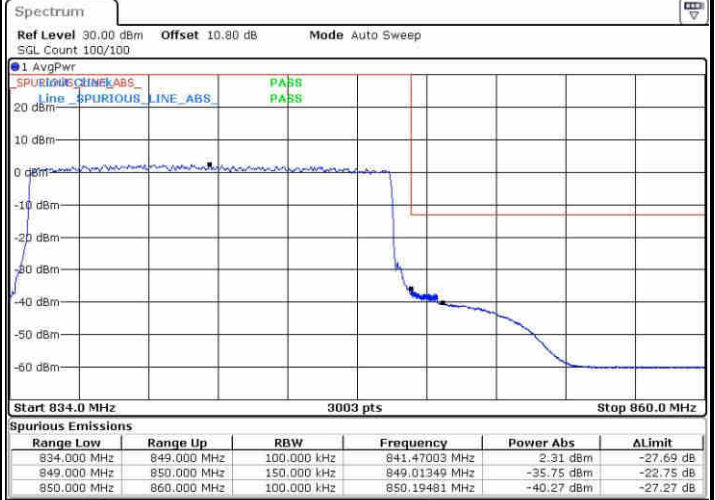
Date: 14 APR 2019 07:20:52

Lowest Band Edge / Full RB



Date: 14 APR 2019 07:12:28

Highest Band Edge / Full RB

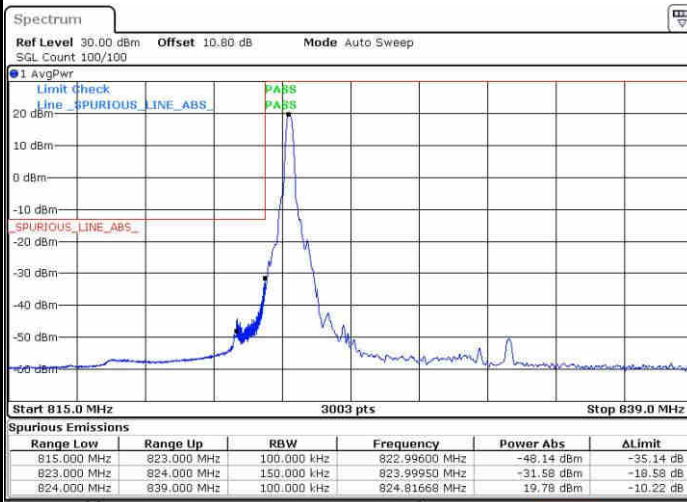


Date: 14 APR 2019 07:21:43



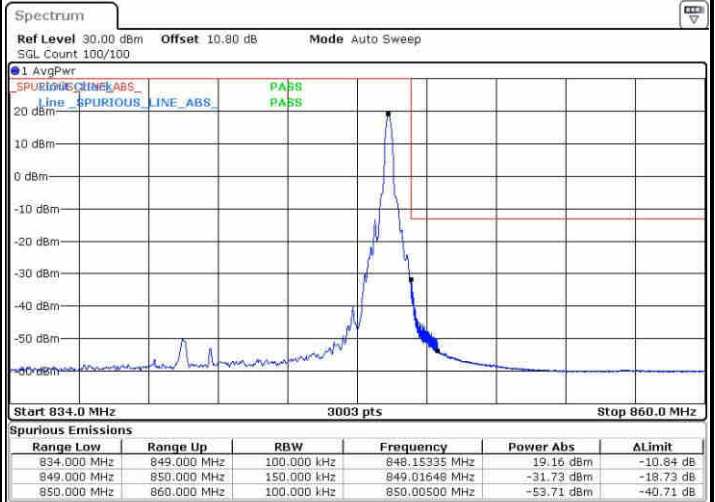
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



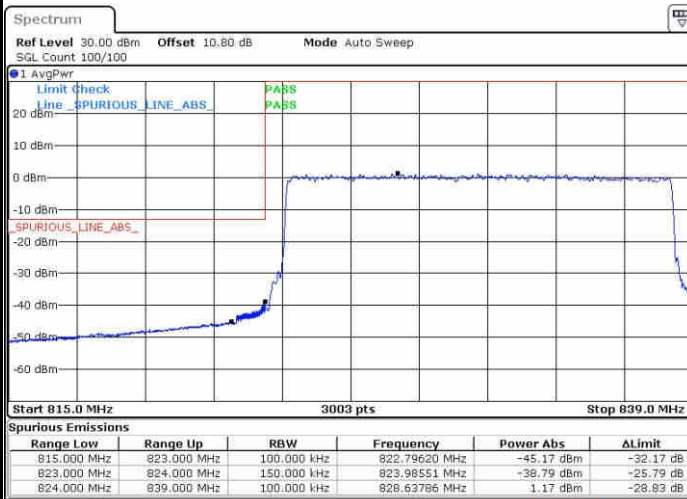
Date: 14 APR 2019 07:26:21

Highest Band Edge / 1 RB



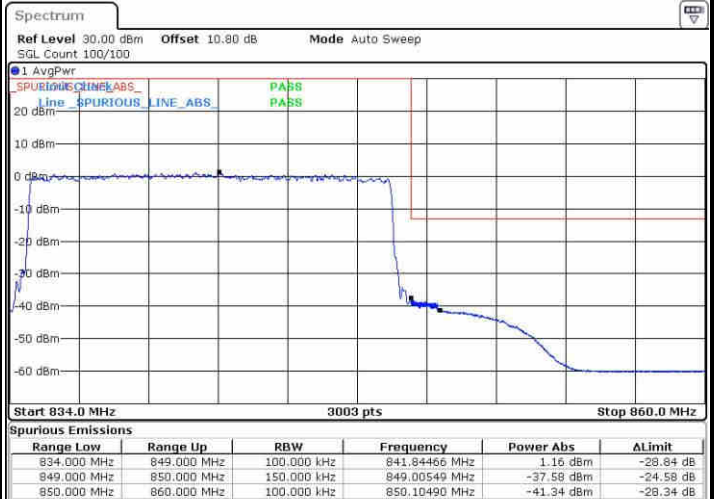
Date: 14 APR 2019 07:28:42

Lowest Band Edge / Full RB



Date: 14 APR 2019 07:25:30

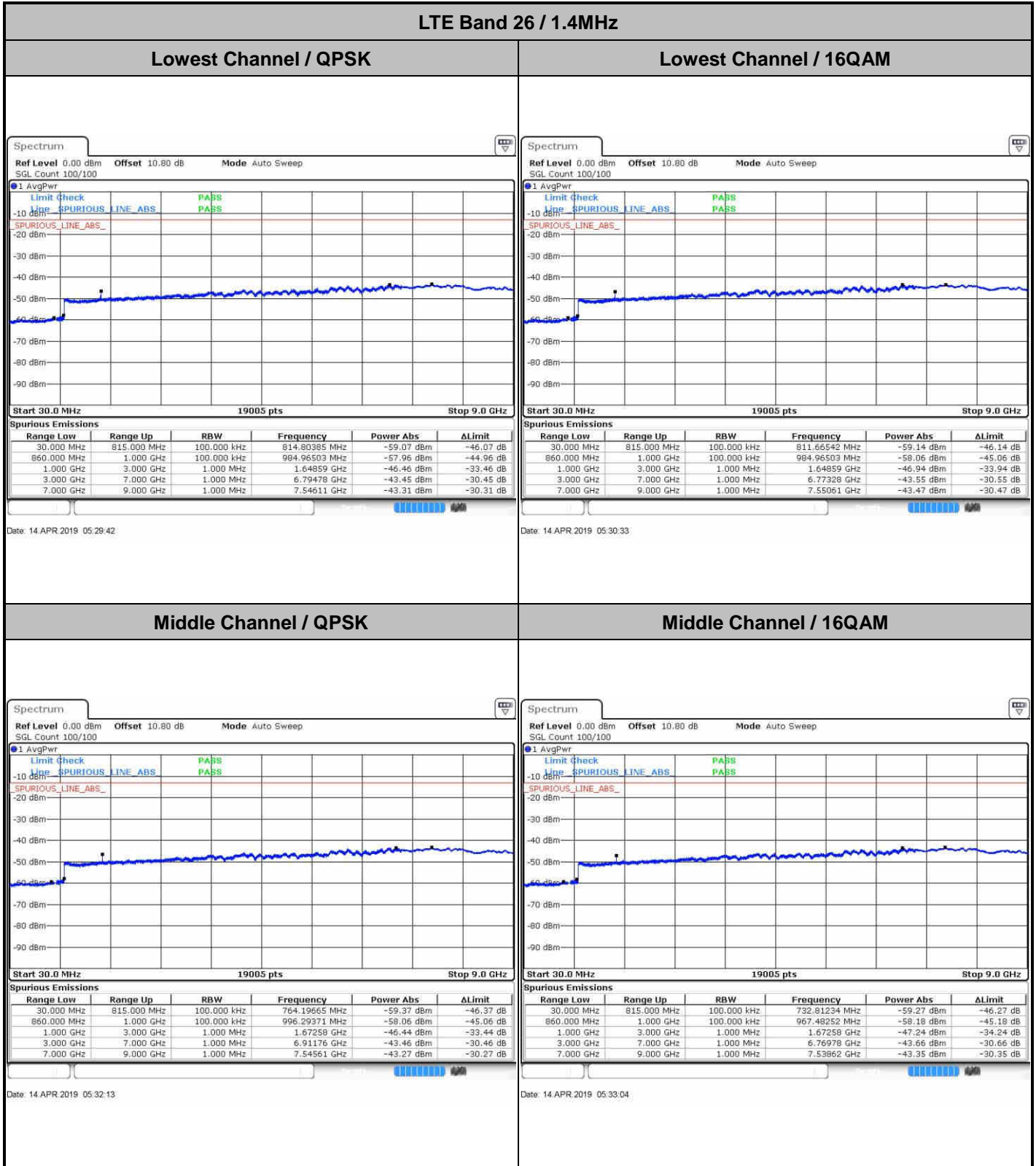
Highest Band Edge / Full RB



Date: 14 APR 2019 07:30:33



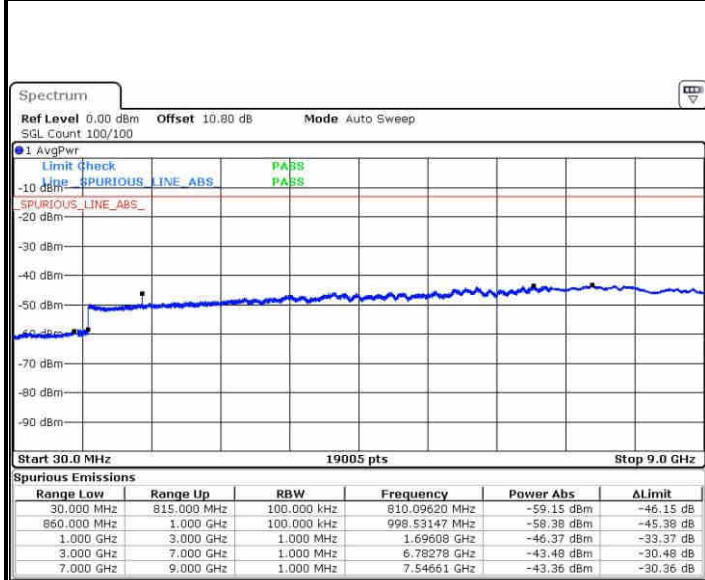
# Conducted Spurious Emission





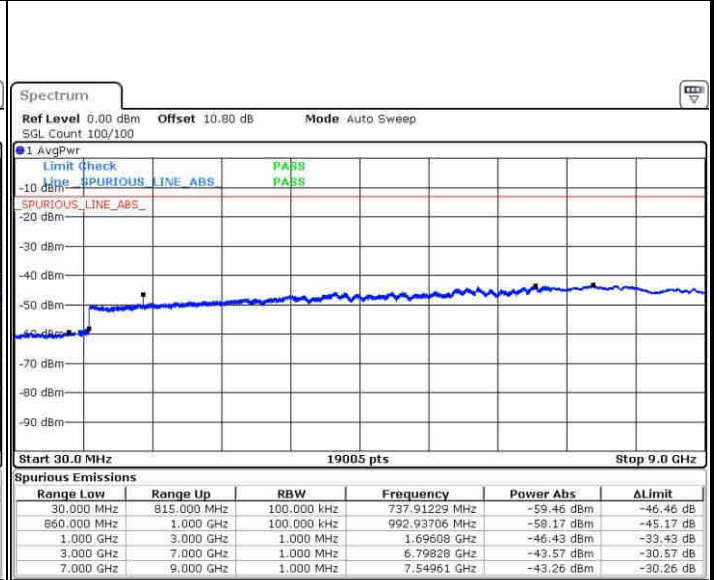
**LTE Band 26 / 1.4MHz**

**Highest Channel / QPSK**



Date: 14 APR 2019 05:41:28

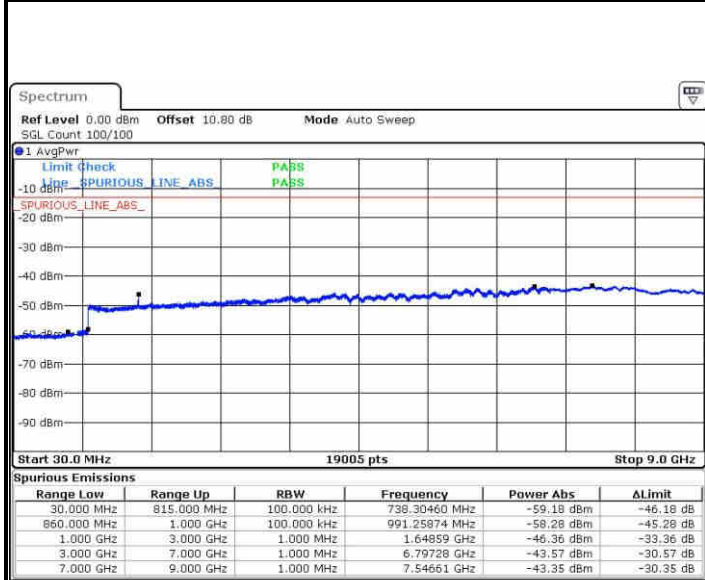
**Highest Channel / 16QAM**



Date: 14 APR 2019 05:42:20

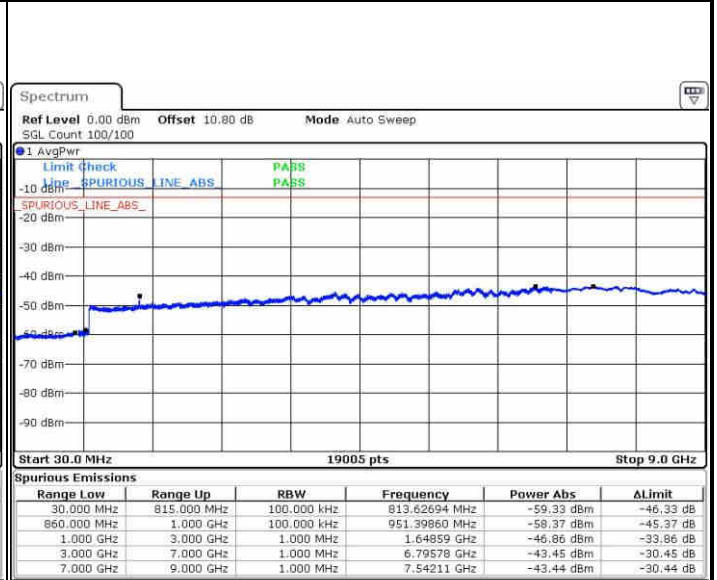
**LTE Band 26 / 3MHz**

**Lowest Channel / QPSK**



Date: 14 APR 2019 06:31:33

**Lowest Channel / 16QAM**



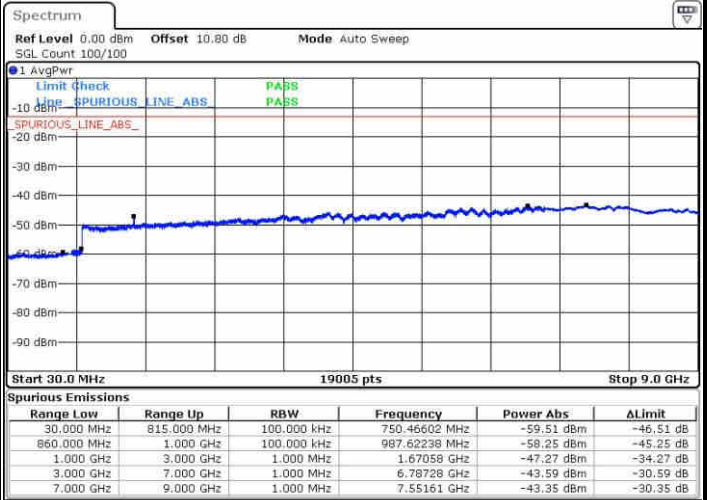
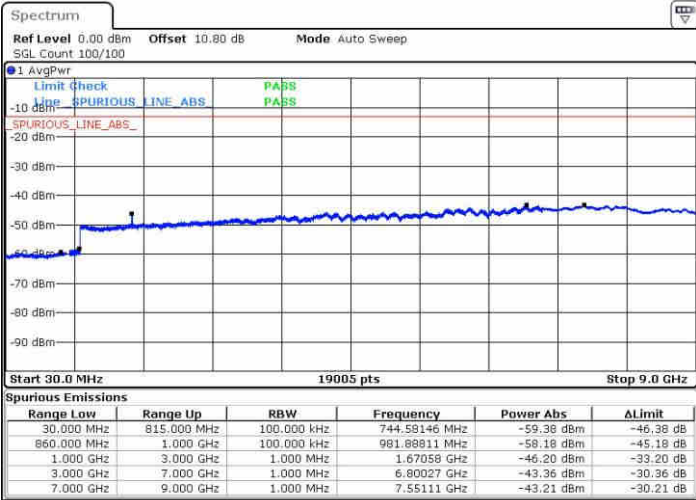
Date: 14 APR 2019 06:32:24



LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

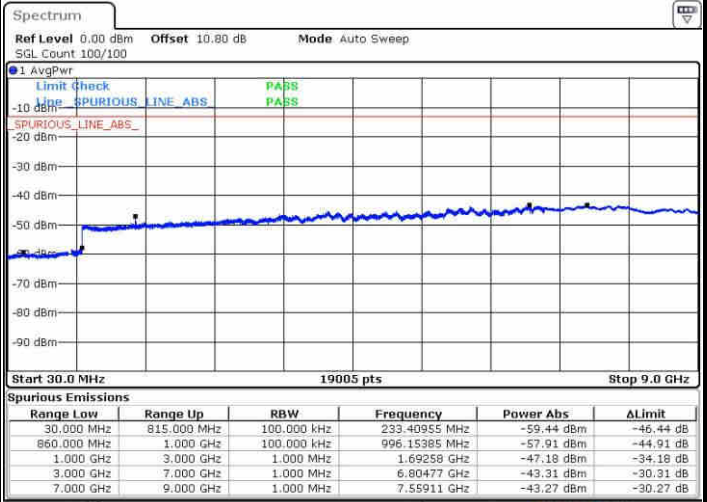
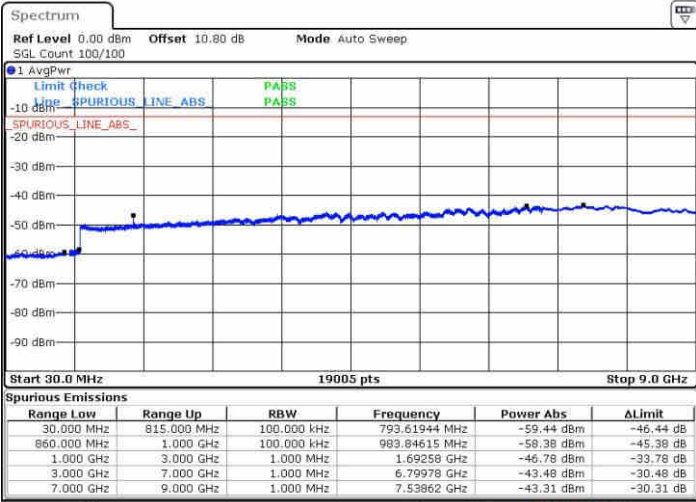


Date: 14 APR 2019 06:34:04

Date: 14 APR 2019 06:34:55

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14 APR 2019 06:40:23

Date: 14 APR 2019 06:41:14

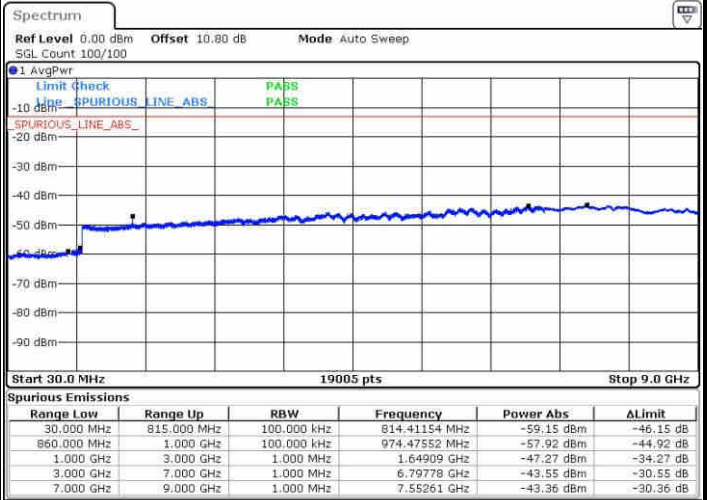
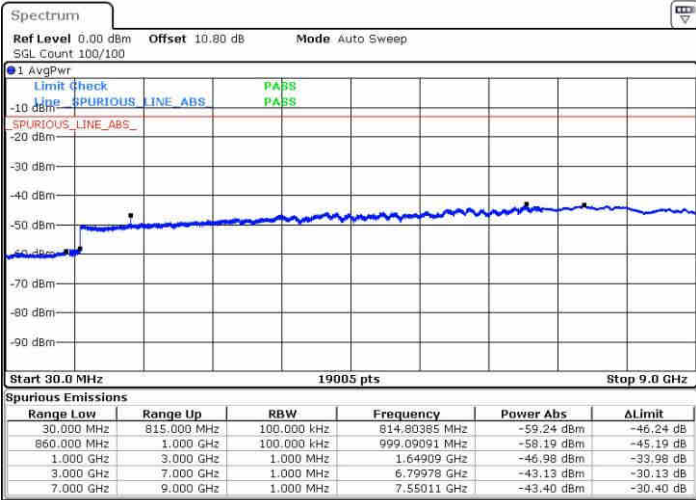




LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

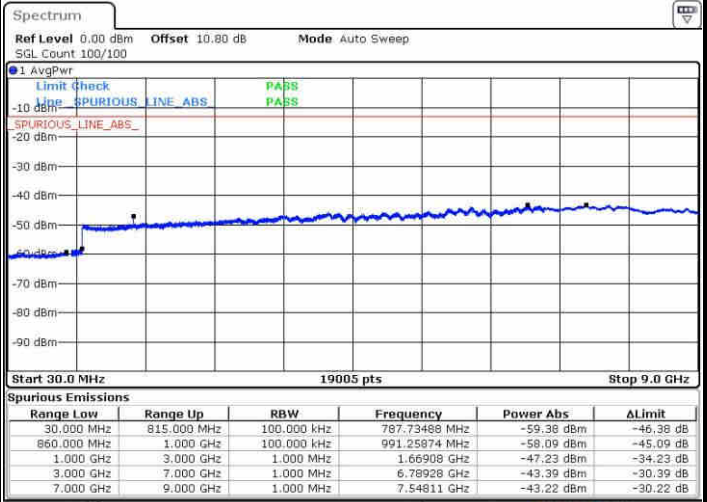
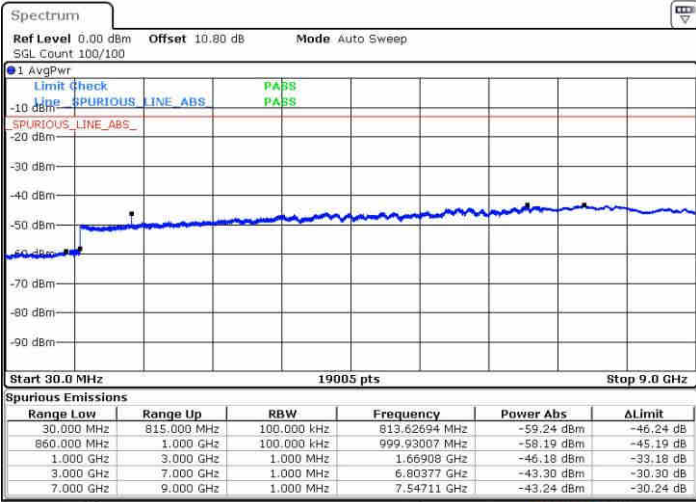


Date: 14 APR 2019 06:46:18

Date: 14 APR 2019 06:47:10

Middle Channel / QPSK

Middle Channel / 16QAM



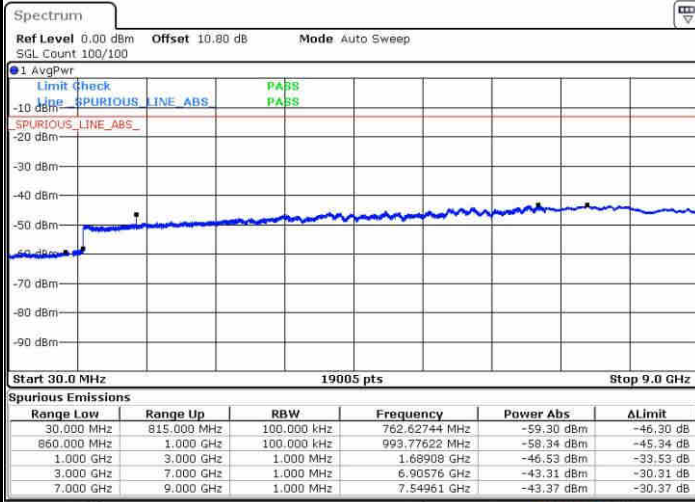
Date: 14 APR 2019 06:48:50

Date: 14 APR 2019 06:48:41



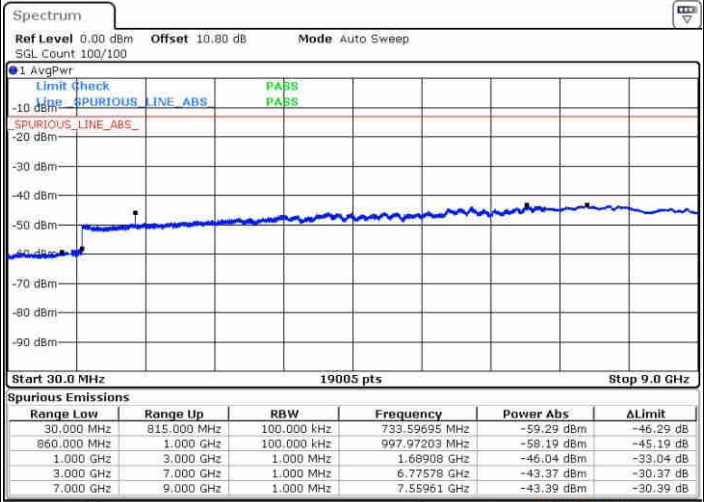
LTE Band 26 / 5MHz

Highest Channel / QPSK



Date: 14 APR 2019 06:54:45

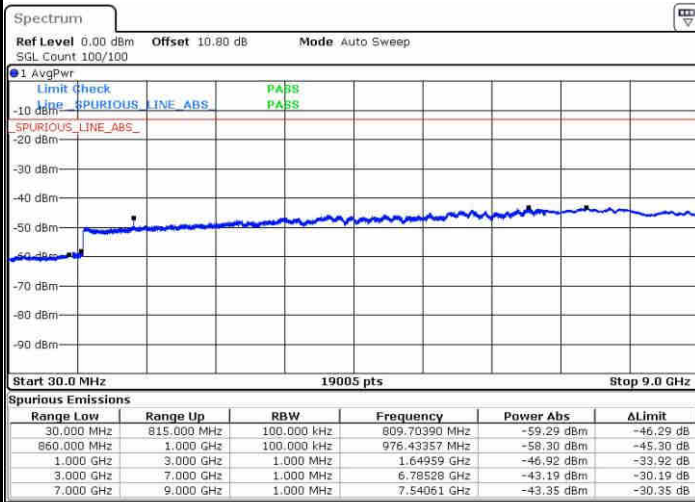
Highest Channel / 16QAM



Date: 14 APR 2019 06:55:37

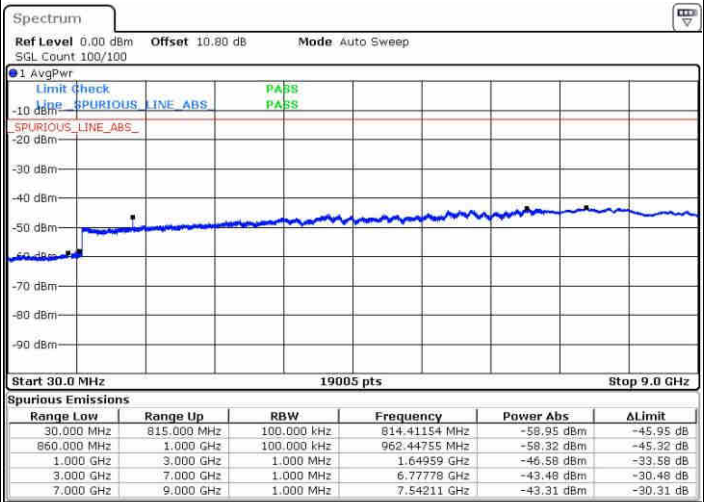
LTE Band 26 / 10MHz

Lowest Channel / QPSK



Date: 14 APR 2019 07:00:41

Lowest Channel / 16QAM



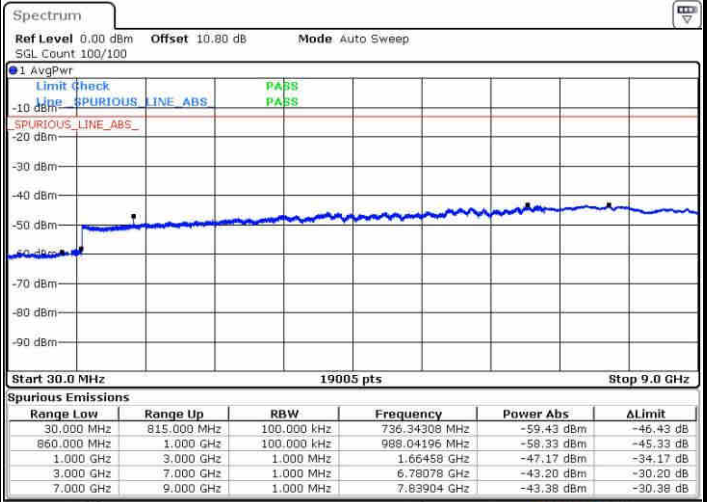
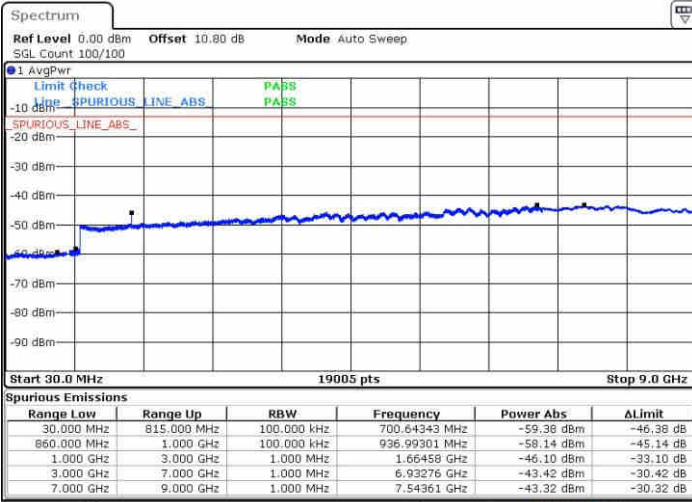
Date: 14 APR 2019 07:01:33



LTE Band 26 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

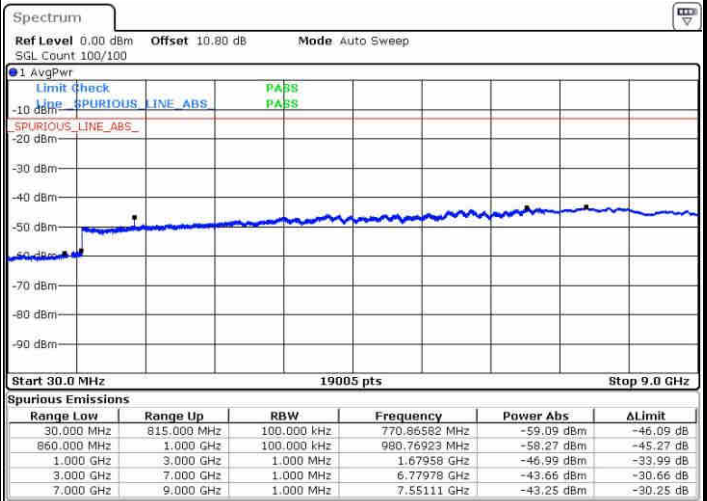
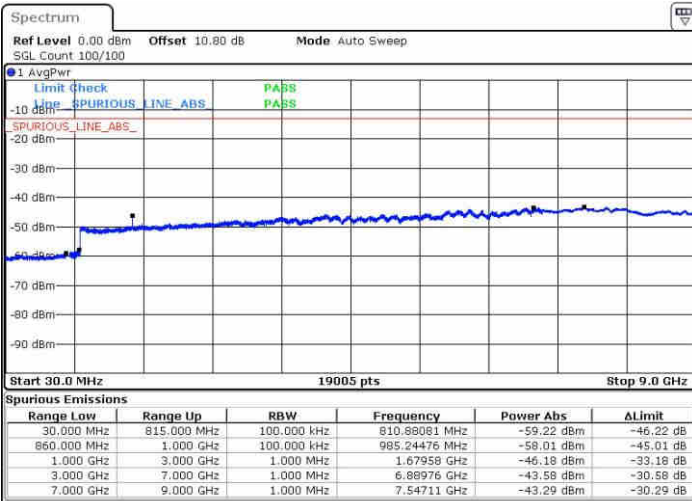


Date: 14 APR 2019 07:03:13

Date: 14 APR 2019 07:04:04

Highest Channel / QPSK

Highest Channel / 16QAM



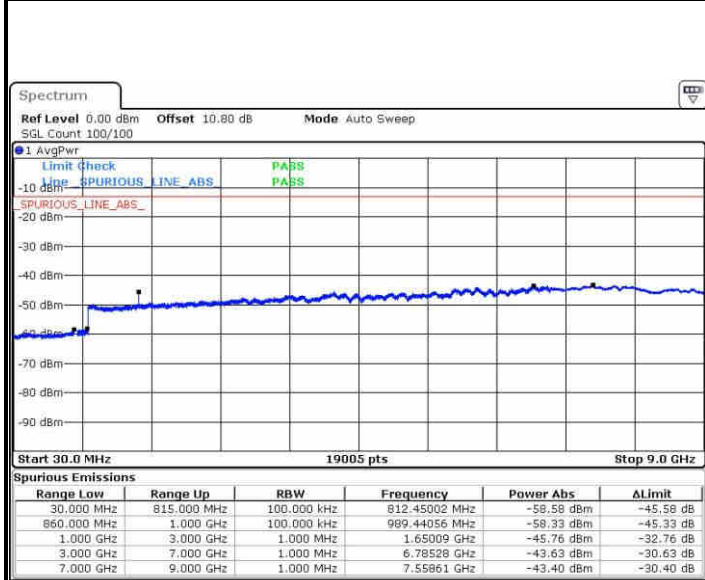
Date: 14 APR 2019 07:09:08

Date: 14 APR 2019 07:09:59



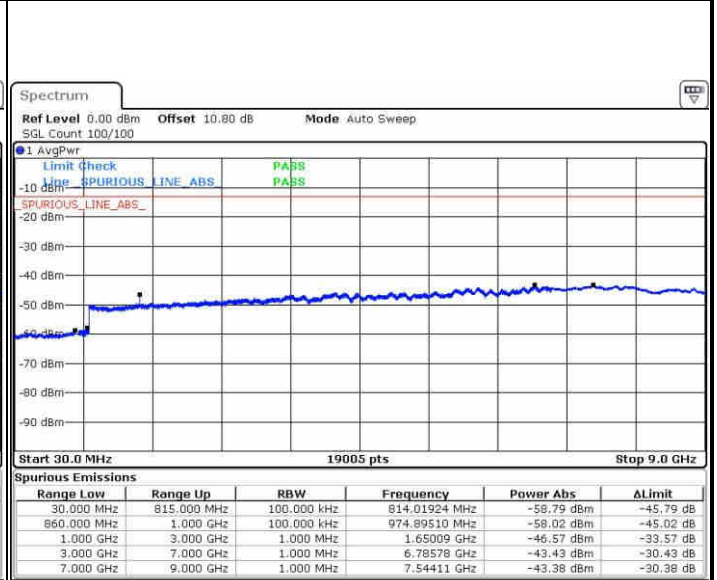
**LTE Band 26 / 15MHz**

**Lowest Channel / QPSK**



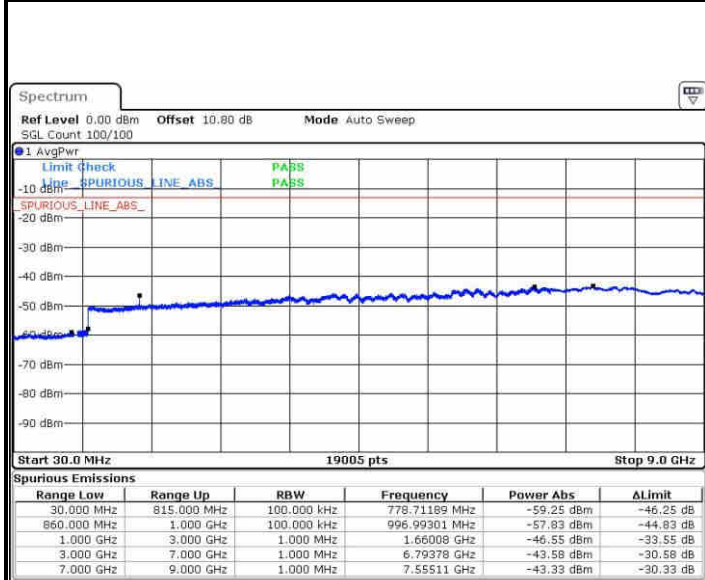
Date: 14 APR 2019 07:14:59

**Lowest Channel / 16QAM**



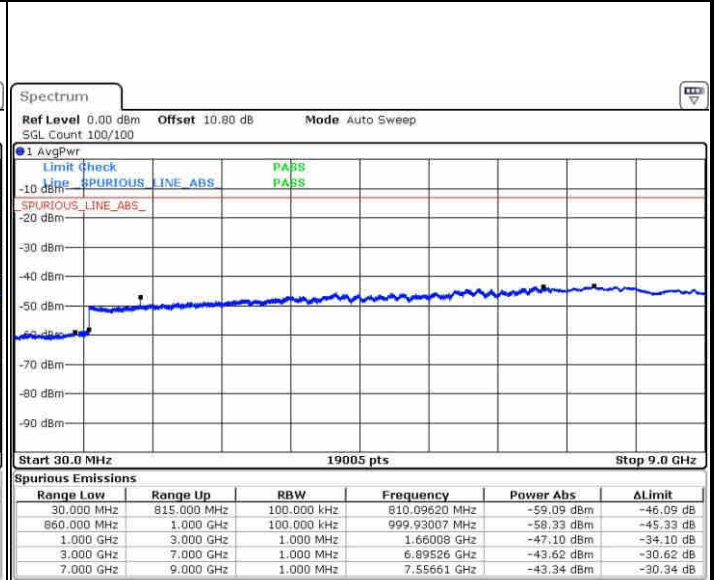
Date: 14 APR 2019 07:15:49

**Middle Channel / QPSK**

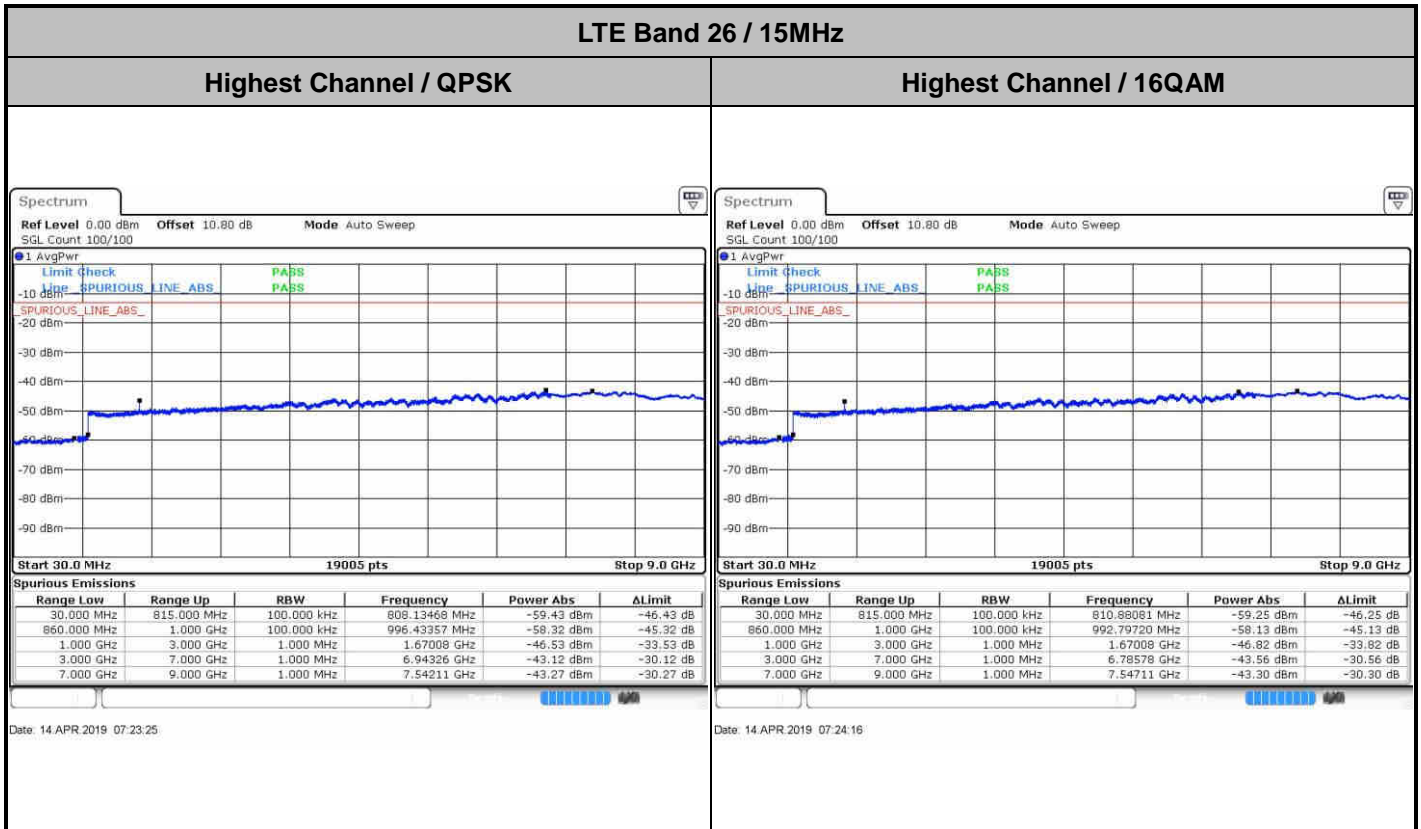


Date: 14 APR 2019 07:17:29

**Middle Channel / 16QAM**



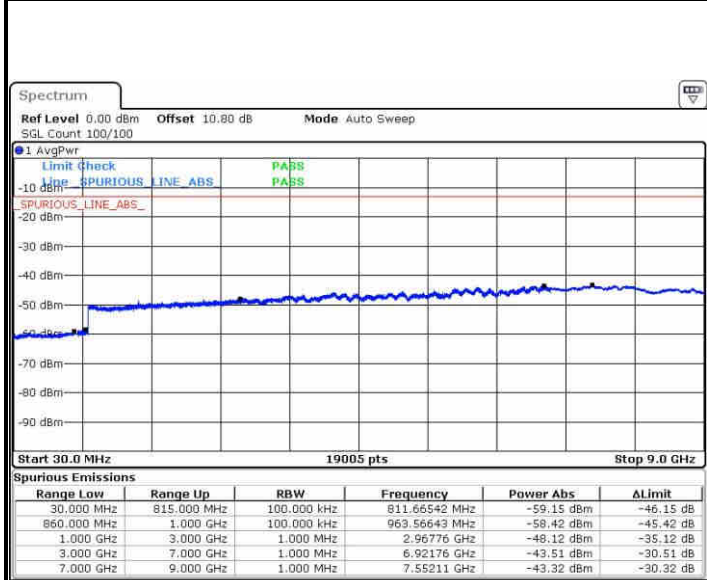
Date: 14 APR 2019 07:18:21





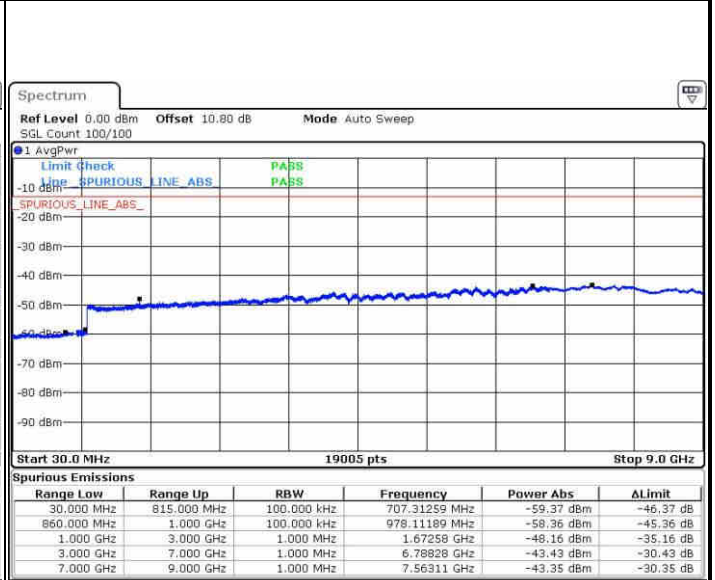
**LTE Band 26 / 1.4MHz**

**Lowest Channel / 64QAM**



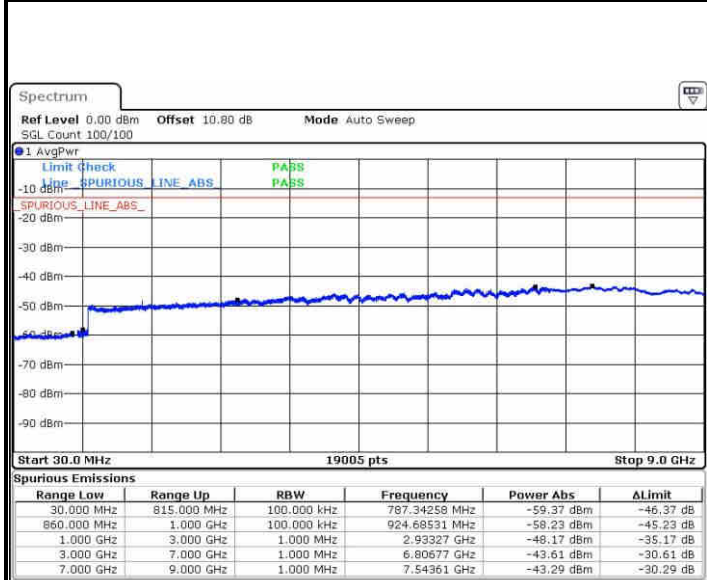
Date: 14 APR 2019 05:46:57

**Middle Channel / 64QAM**



Date: 14 APR 2019 05:48:13

**Highest Channel / 64QAM**



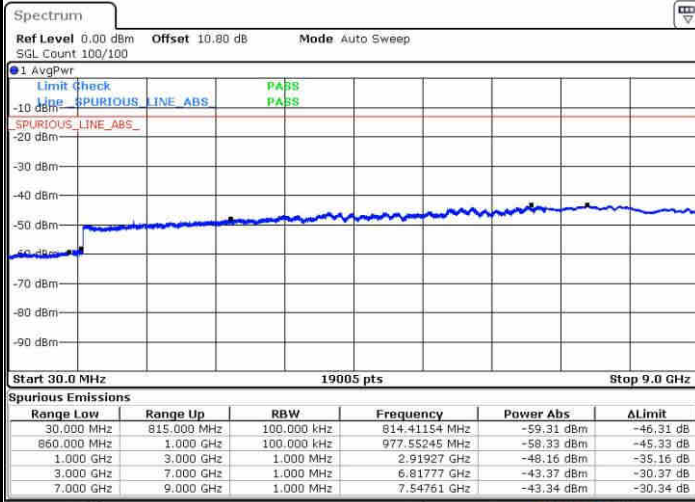
Date: 14 APR 2019 05:52:50



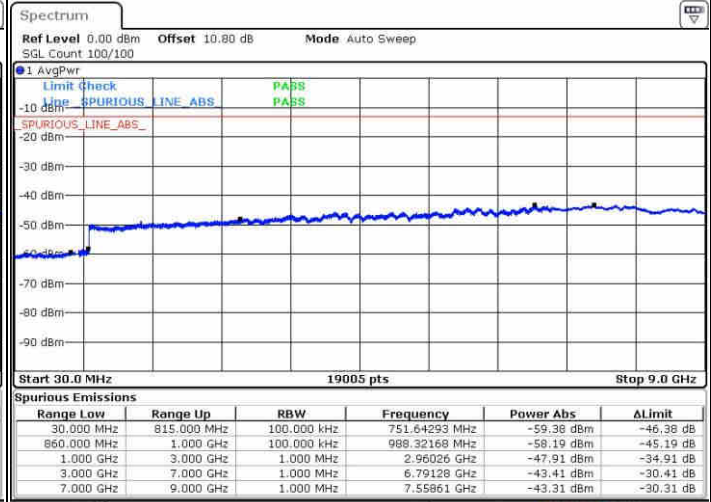
LTE Band 26 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

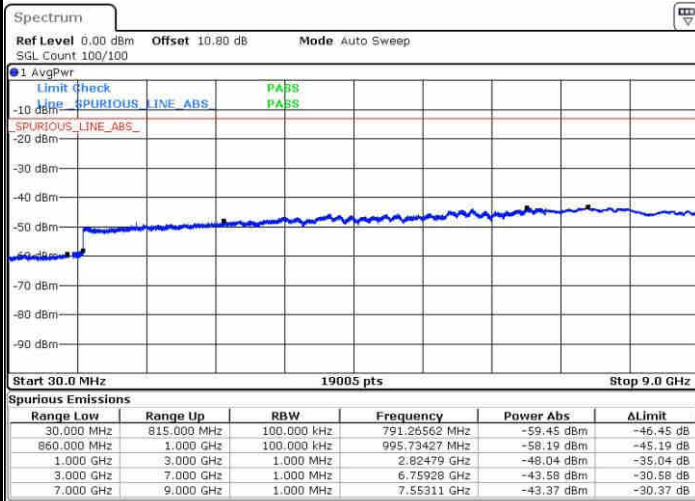


Date: 14 APR 2019 05:56:28



Date: 14 APR 2019 05:57:44

Highest Channel / 64QAM



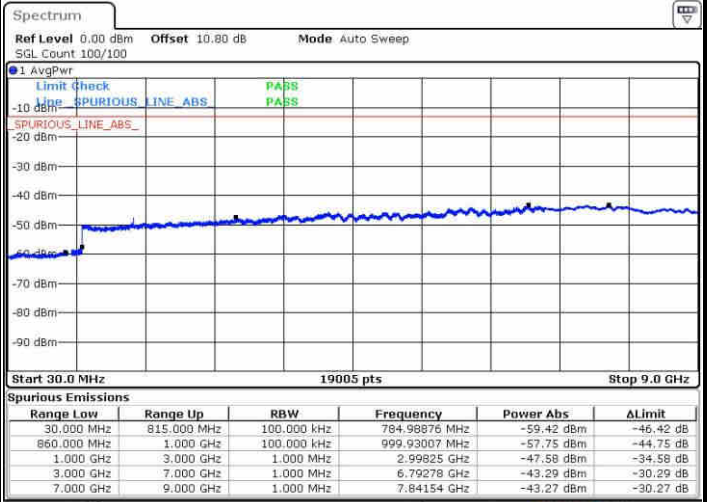
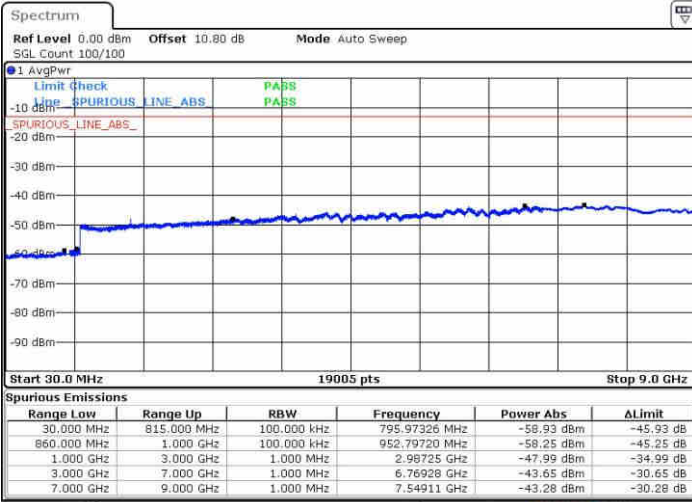
Date: 14 APR 2019 08:00:54



LTE Band 26 / 5MHz

Lowest Channel / 64QAM

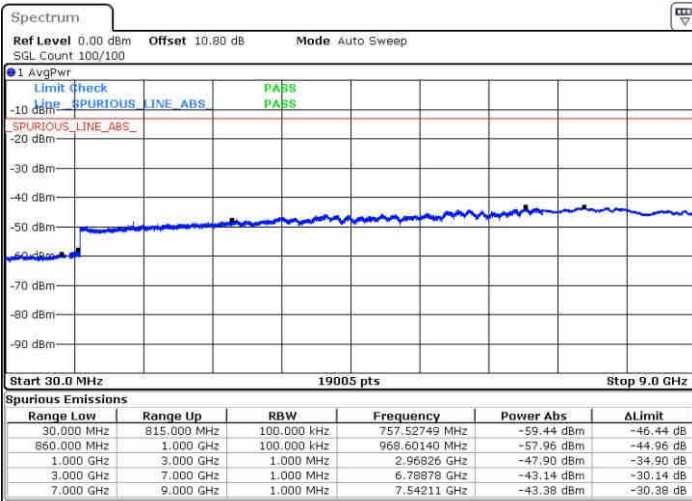
Middle Channel / 64QAM



Date: 14 APR 2019 06:03:52

Date: 14 APR 2019 06:05:07

Highest Channel / 64QAM



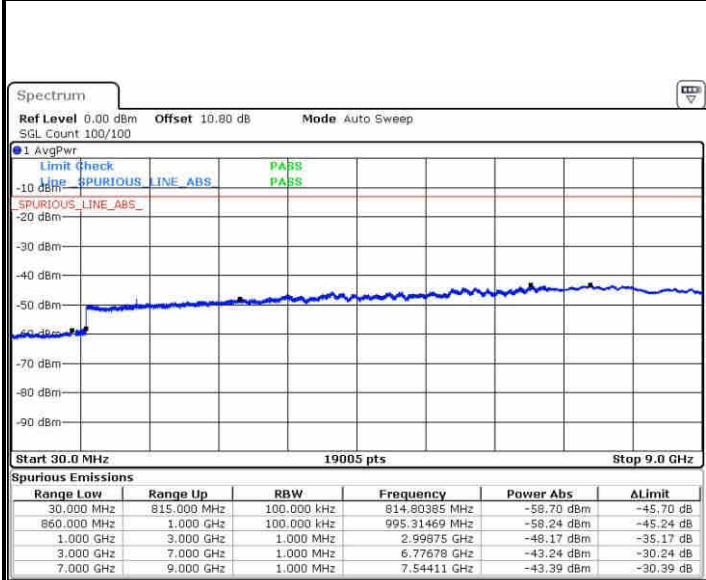
Date: 14 APR 2019 06:08:05





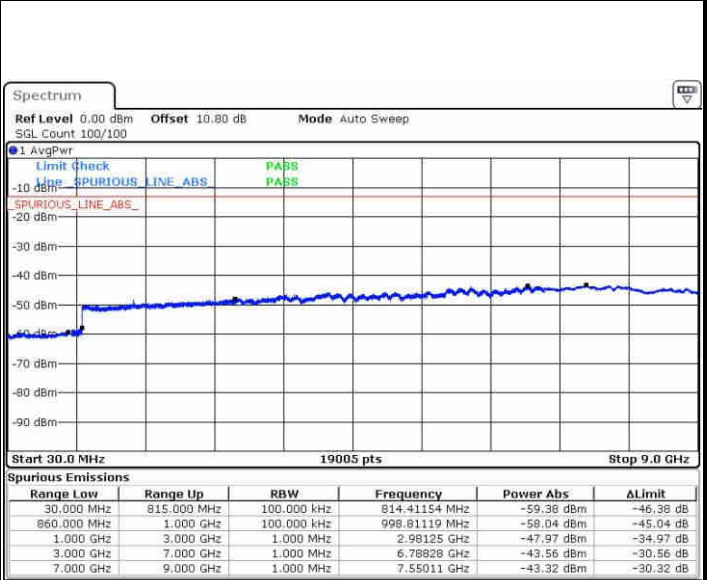
**LTE Band 26 / 10MHz**

**Lowest Channel / 64QAM**



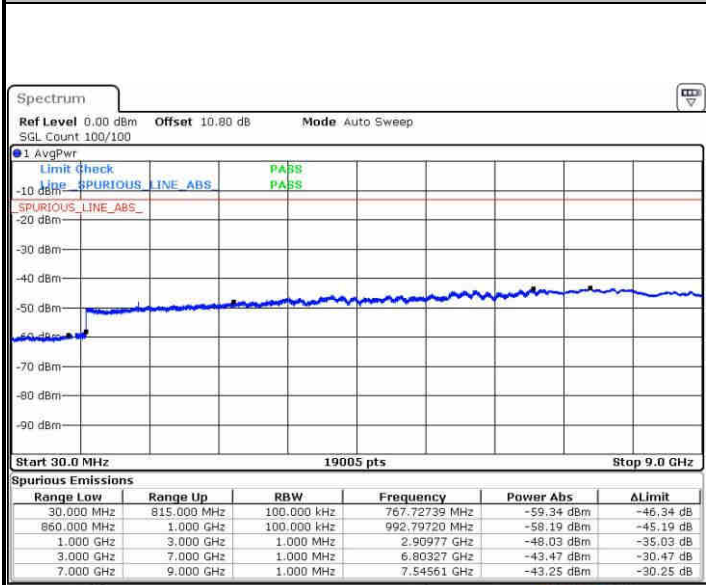
Date: 14 APR 2019 06:11:03

**Middle Channel / 64QAM**



Date: 14 APR 2019 06:12:19

**Highest Channel / 64QAM**



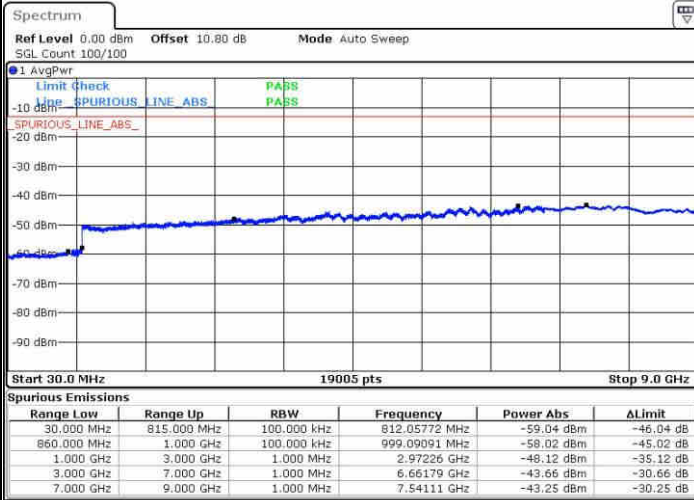
Date: 14 APR 2019 06:15:16



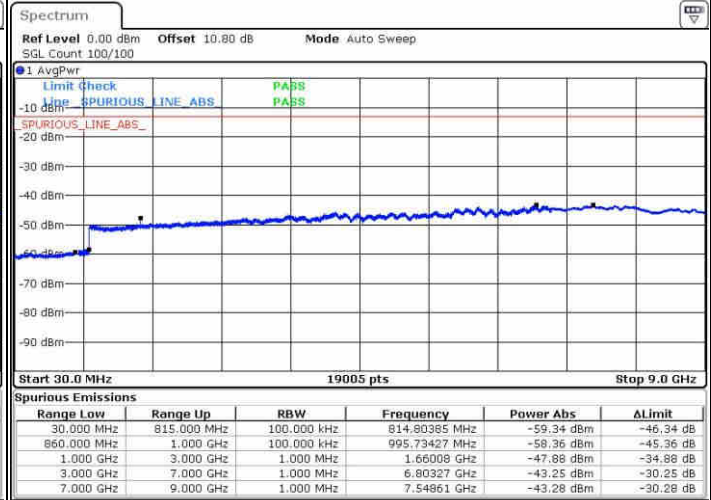
LTE Band 26 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

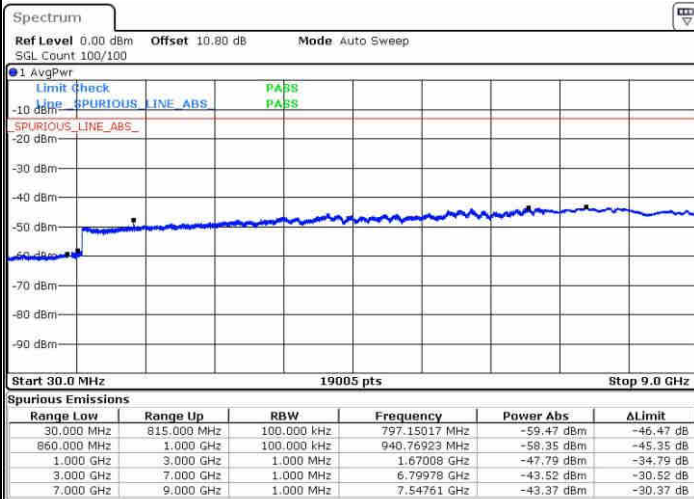


Date: 14 APR 2019 07:27:11



Date: 14 APR 2019 07:28:26

Highest Channel / 64QAM



Date: 14 APR 2019 08:25:39



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0045	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0068	
-20	Normal Voltage	0.0091	
-30	Normal Voltage	0.0102	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

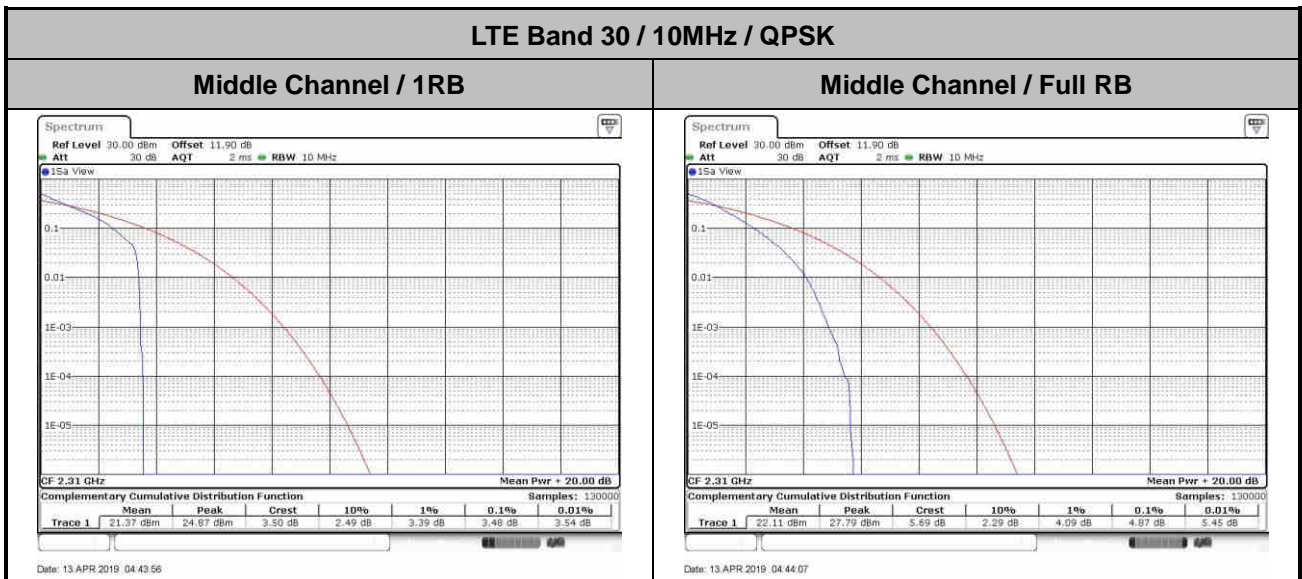
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 30

## Peak-to-Average Ratio

Mode	LTE Band 30 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	3.48	4.87	3.91	5.68	
Highest CH	-	-	-	-	
Mode	LTE Band 30 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	5.01	6.23	-	-	
Highest CH	-	-	-	-	





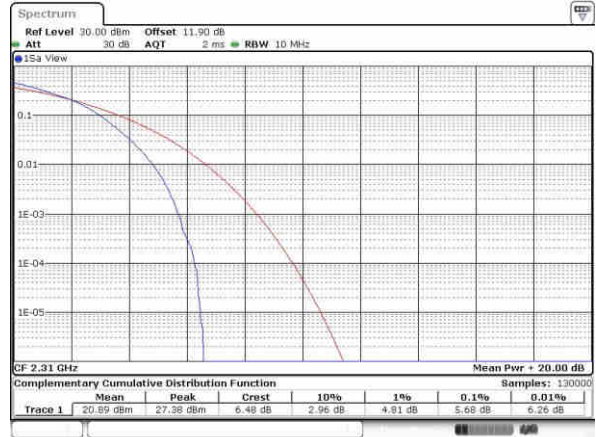
LTE Band 30 / 10MHz / 16QAM

Middle Channel / 1RB



Date: 13 APR 2019 04:43:34

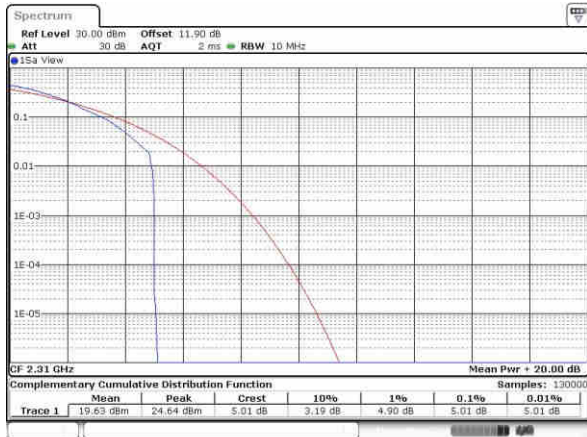
Middle Channel / Full RB



Date: 13 APR 2019 04:43:44

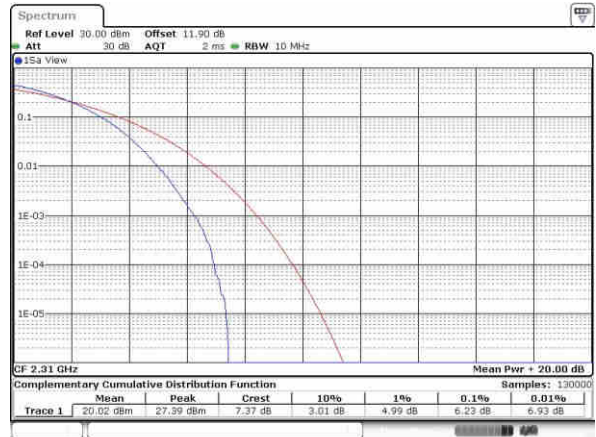
LTE Band 30 / 10MHz / 64QAM

Middle Channel / 1RB



Date: 13 APR 2019 04:43:12

Middle Channel / Full RB



Date: 13 APR 2019 04:43:23



**EIRP Power Density**

Mode	LTE Band 30 : Conducted Power Density (dBm/5MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	24.02	23.36	-	-	-	-	-	-
Middle CH	-	-	-	-	24.06	23.41	24.06	23.15	-	-	-	-
Highest CH	-	-	-	-	24.27	23.38	-	-	-	-	-	-

Mode	LTE Band 30 : Conducted Power Density (dBm/5MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	22.30	-	-	-	-	-	-	-
Middle CH	-	-	-	-	22.35	-	22.34	-	-	-	-	-
Highest CH	-	-	-	-	22.52	-	-	-	-	-	-	-

Mode	LTE Band 30 : EIRP Power Density (dBm/5MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	22.02	21.36			-	-	-	-
Middle CH	-	-	-	-	22.06	21.41	22.06	21.15	-	-	-	-
Highest CH	-	-	-	-	22.27	21.38			-	-	-	-

Mode	LTE Band 30 : EIRP Power Density (dBm/5MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	20.30	-	-	-	-	-	-	-
Middle CH	-	-	-	-	20.35	-	20.34	-	-	-	-	-
Highest CH	-	-	-	-	20.52	-	-	-	-	-	-	-
Antenna Gain	-2.0 dBi											
Limit	250mW / 5MHz = 24dBm / 5MHz											
Result	Pass											



LTE Band 30 / 5MHz

Lowest Channel / 5MHz / 1RB0 / QPSK



Date: 13 APR 2019 05 05 31

Lowest Channel / 5MHz / 1RB0 / 16QAM



Date: 13 APR 2019 05 05 50

Middle Channel / 5MHz / 1RB0 / QPSK



Date: 13 APR 2019 05 06 27

Middle Channel / 5MHz / 1RB0 / 16QAM



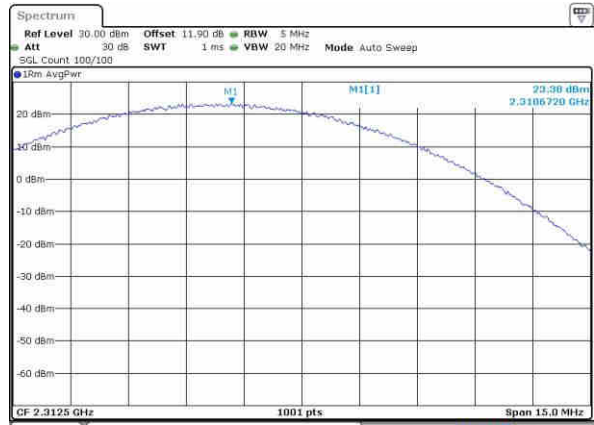
Date: 13 APR 2019 05 06 45

Highest Channel / 5MHz / 1RB0 / QPSK



Date: 13 APR 2019 05 07 22

Highest Channel / 5MHz / 1RB0 / 16QAM



Date: 13 APR 2019 05 07 41



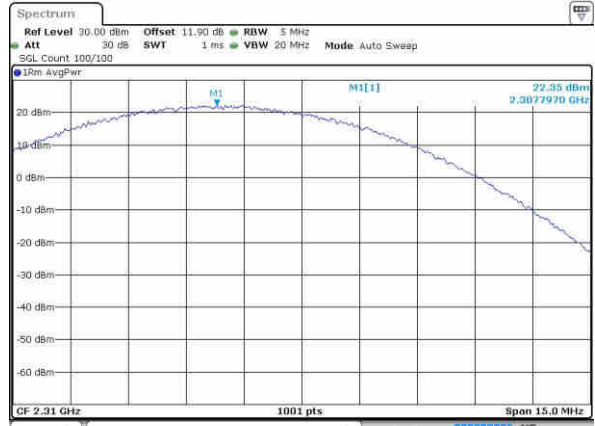
LTE Band 30 / 5MHz

Lowest Channel / 5MHz / 1RB0 / 64QAM



Date: 13 APR 2019 05 06 09

Middle Channel / 5MHz / 1RB0 / 64QAM



Date: 13 APR 2019 05 07 03

Highest Channel / 5MHz / 1RB0 / 64QAM



Date: 13 APR 2019 05 07 59





LTE Band 30 / 10MHz

Lowest Channel / 10MHz / 1RB0 / QPSK



Date: 13 APR 2019 05:08:15

Lowest Channel / 10MHz / 1RB0 / 16QAM



Date: 13 APR 2019 05:08:37

Lowest Channel / 10MHz / 1RB0 / 64QAM



Date: 13 APR 2019 05:08:55



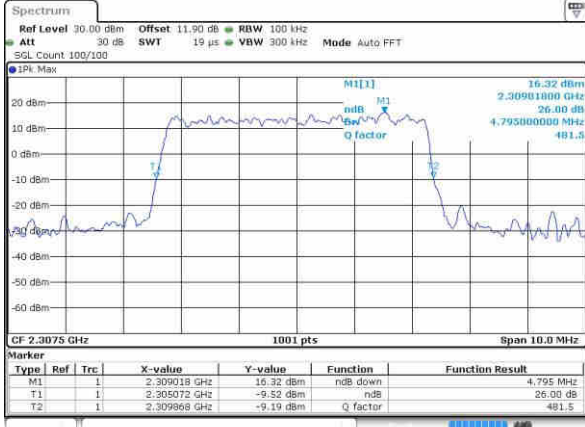
**26dB Bandwidth**

Mode	LTE Band 30 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.80	4.89	-	-	-	-	-	-
Middle CH	-	-	-	-	4.87	4.92	9.83	9.87	-	-	-	-
Highest CH	-	-	-	-	4.89	4.87	-	-	-	-	-	-
Mode	LTE Band 30 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.81	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.98	-	9.67	-	-	-	-	-
Highest CH	-	-	-	-	4.91	-	-	-	-	-	-	-



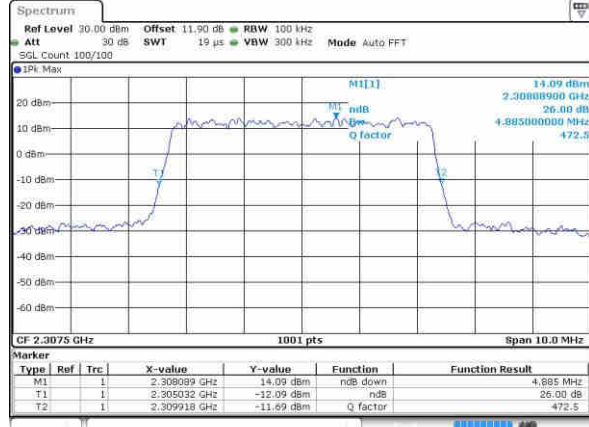
LTE Band 30

Lowest Channel / 5MHz / QPSK



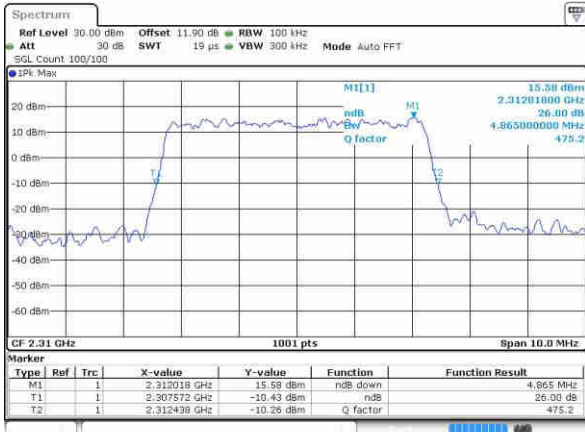
Date: 13 APR 2019 04:16:05

Lowest Channel / 5MHz / 16QAM



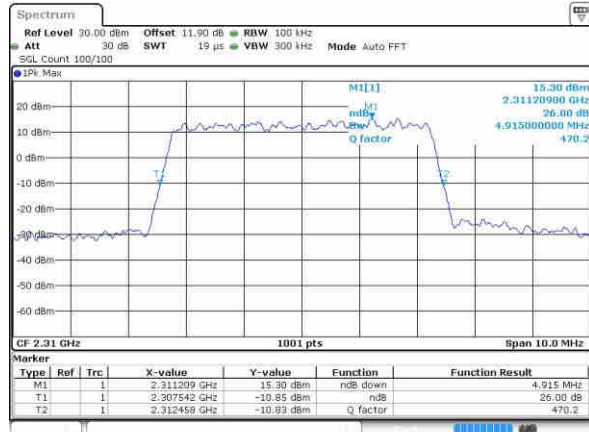
Date: 13 APR 2019 04:16:15

Middle Channel / 5MHz / QPSK



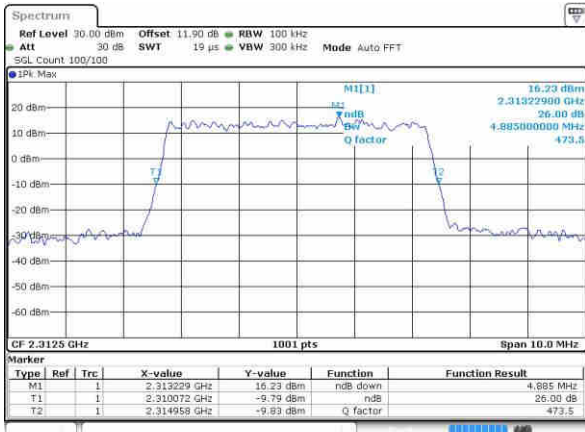
Date: 13 APR 2019 04:20:21

Middle Channel / 5MHz / 16QAM



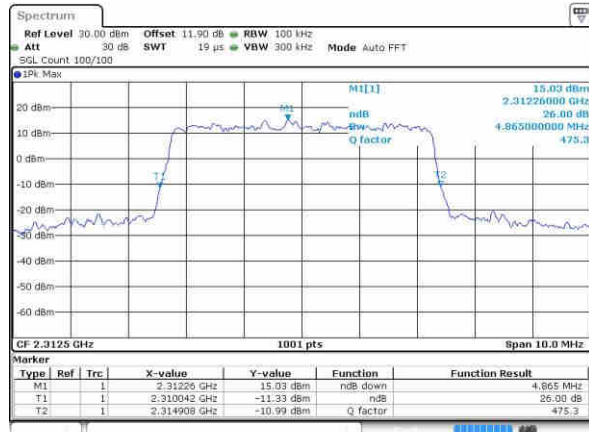
Date: 13 APR 2019 04:20:33

Highest Channel / 5MHz / QPSK



Date: 13 APR 2019 04:21:09

Highest Channel / 5MHz / 16QAM

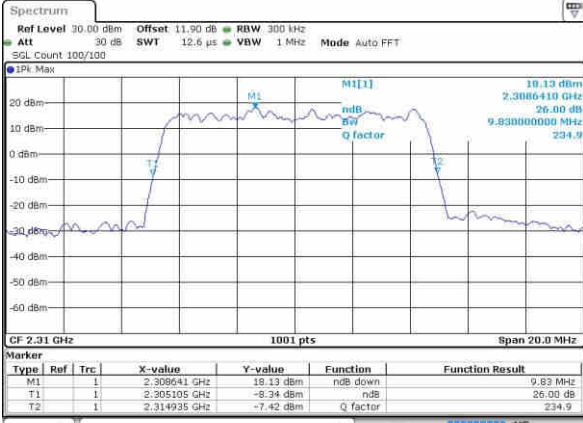


Date: 13 APR 2019 04:21:21



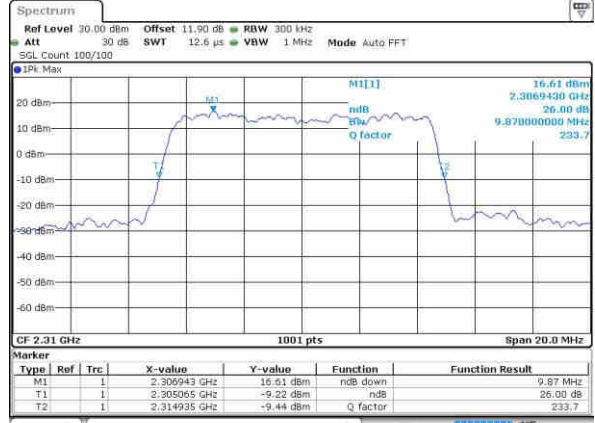
LTE Band 30

Middle Channel / 10MHz / QPSK



Date: 13 APR 2019 04:25:25

Middle Channel / 10MHz / 16QAM

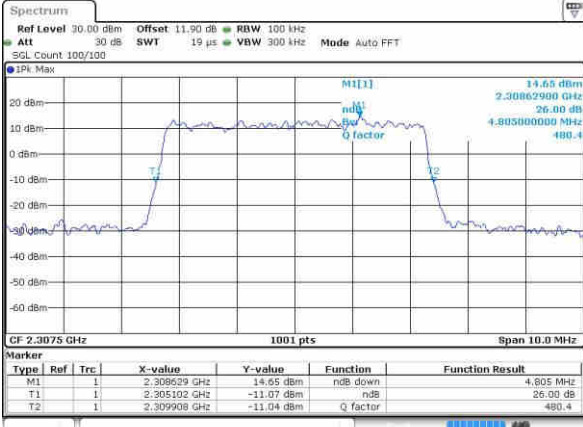


Date: 13 APR 2019 04:25:36



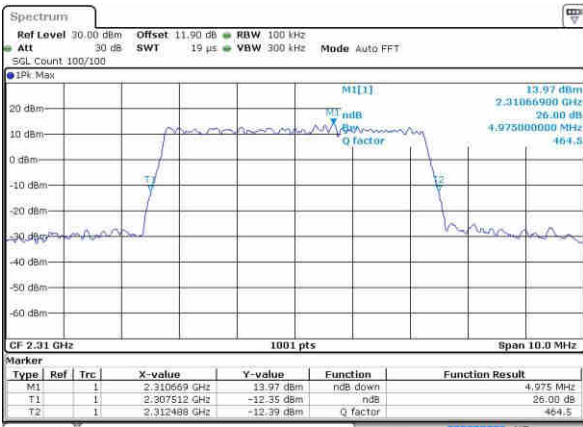
LTE Band 30

Lowest Channel / 5MHz / 64QAM



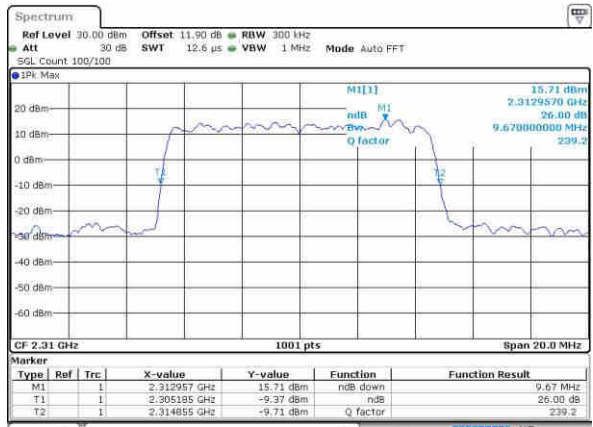
Date: 13 APR 2019 04:31:09

Middle Channel / 5MHz / 64QAM



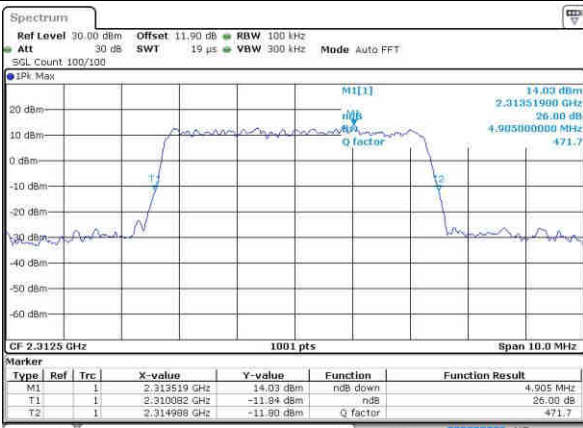
Date: 13 APR 2019 04:33:16

Middle Channel / 10MHz / 64QAM



Date: 13 APR 2019 04:35:47

Highest Channel / 5MHz / 64QAM



Date: 13 APR 2019 04:33:40



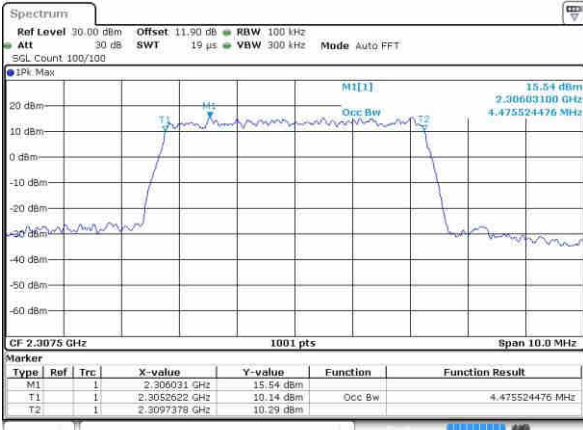
Occupied Bandwidth

Mode	LTE Band 30 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.48	4.52	-	-	-	-	-	-
Middle CH	-	-	-	-	4.48	4.46	9.03	9.01	-	-	-	-
Highest CH	-	-	-	-	4.49	4.47	-	-	-	-	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.54	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.52	-	9.03	-	-	-	-	-
Highest CH	-	-	-	-	4.50	-	-	-	-	-	-	-

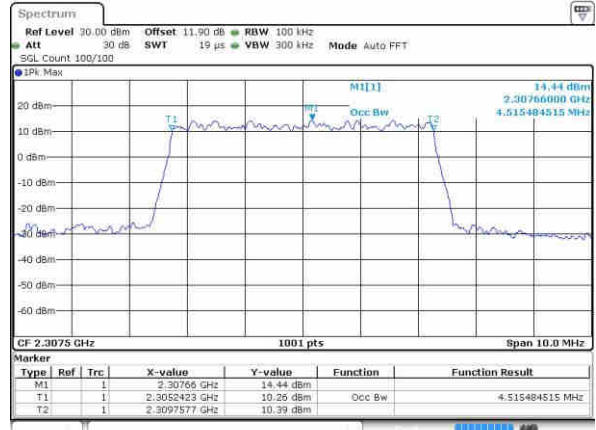


LTE Band 30

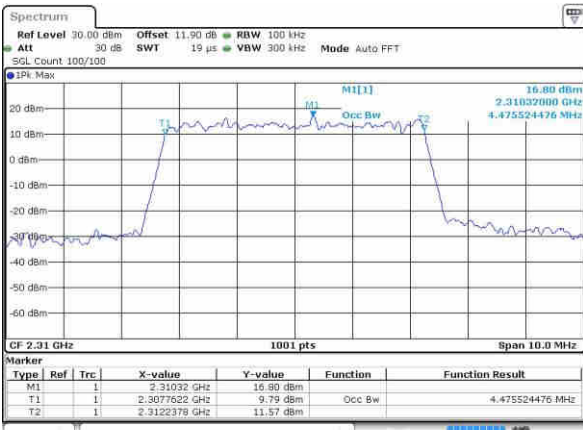
Lowest Channel / 5MHz / QPSK



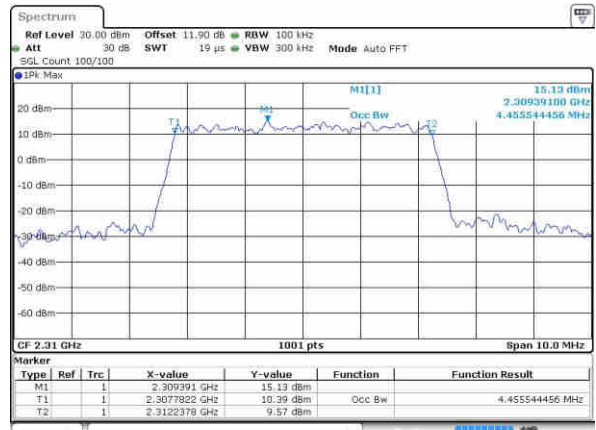
Lowest Channel / 5MHz / 16QAM



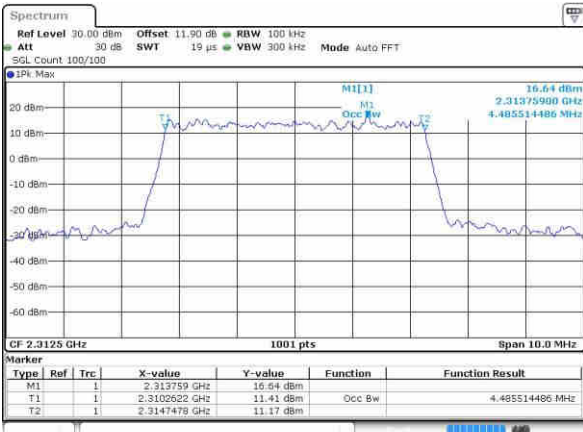
Middle Channel / 5MHz / QPSK



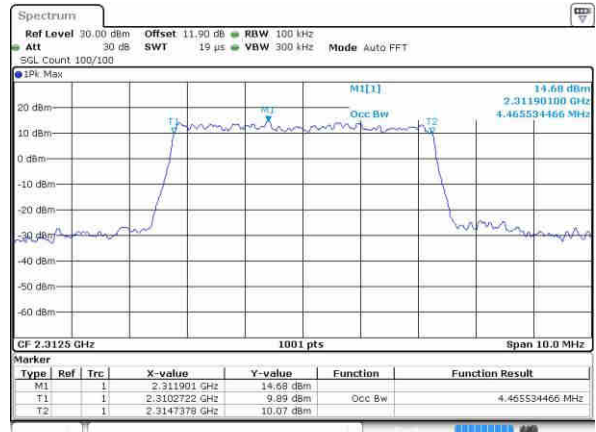
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



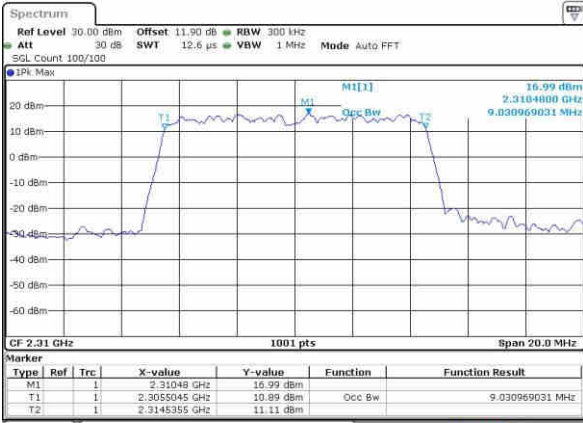
Highest Channel / 5MHz / 16QAM





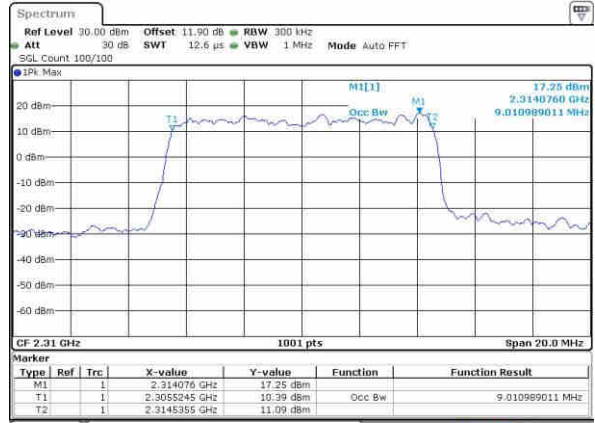
LTE Band 30

Middle Channel / 10MHz / QPSK



Date: 13 APR 2019 04:25:01

Middle Channel / 10MHz / 16QAM



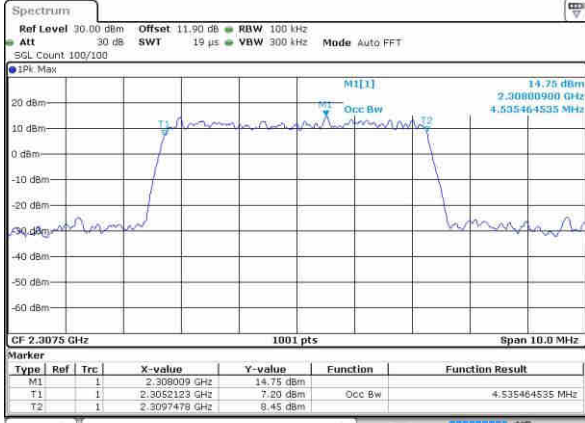
Date: 13 APR 2019 04:25:13





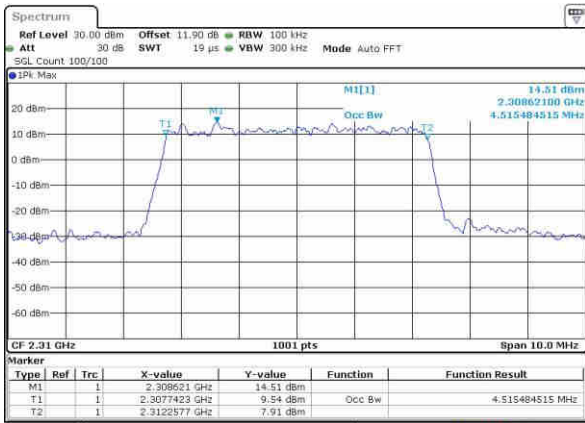
LTE Band 30

Lowest Channel / 5MHz / 64QAM



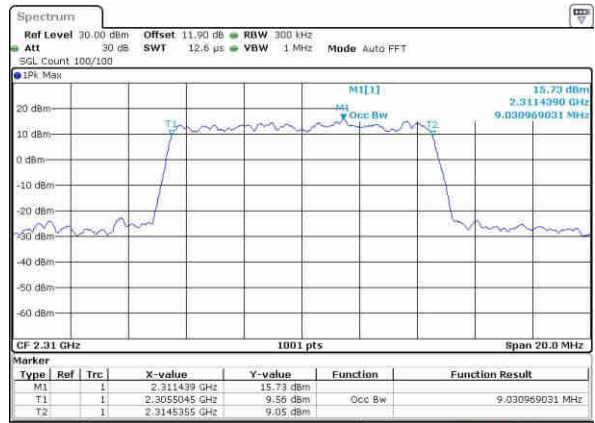
Date: 13 APR 2019 04:30:55

Middle Channel / 5MHz / 64QAM



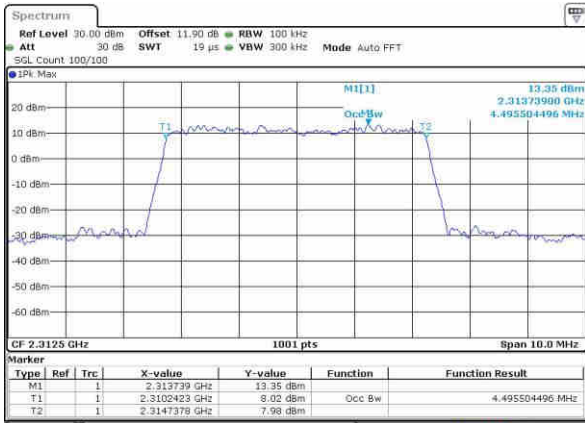
Date: 13 APR 2019 04:33:04

Middle Channel / 10MHz / 64QAM



Date: 13 APR 2019 04:35:36

Highest Channel / 5MHz / 64QAM



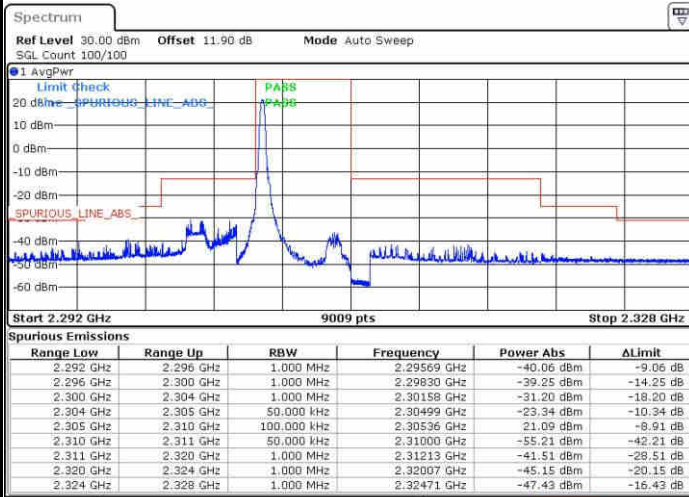
Date: 13 APR 2019 04:33:27



# Conducted Band Edge

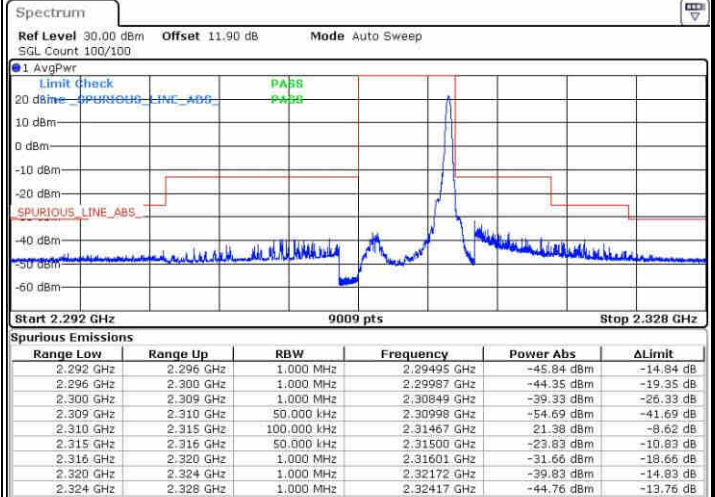
## LTE Band 30 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



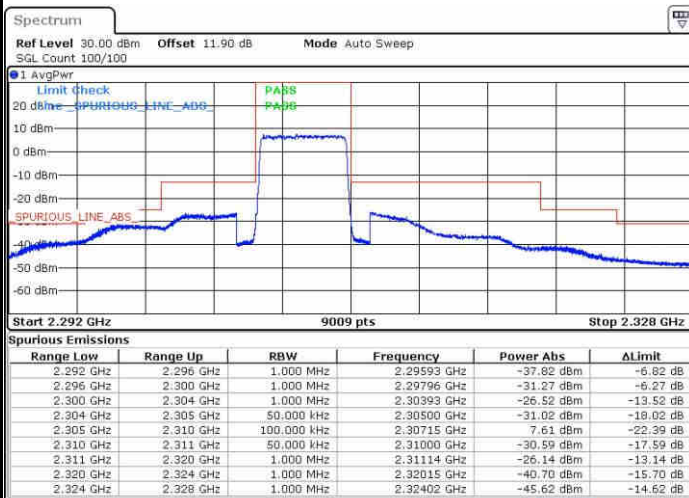
Date: 13 APR 2019 04:17:09

### Highest Band Edge / 1 RB



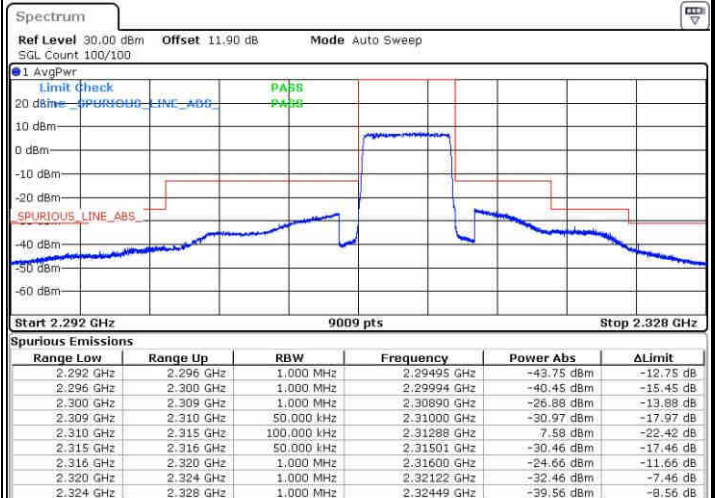
Date: 13 APR 2019 04:22:13

### Lowest Band Edge / Full RB



Date: 13 APR 2019 04:18:53

### Highest Band Edge / Full RB



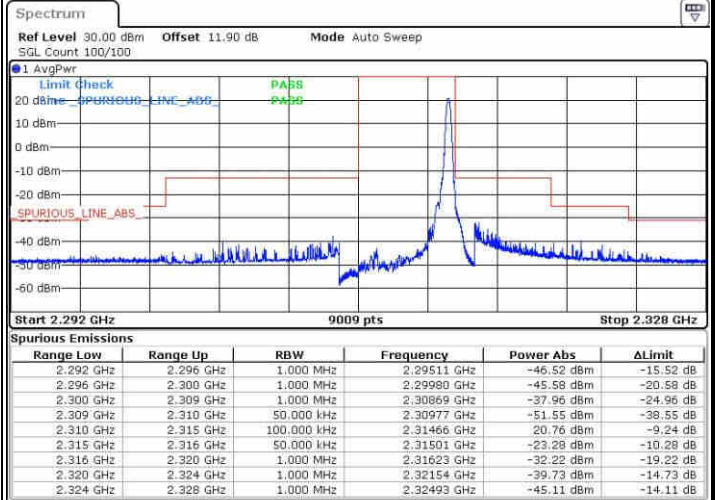
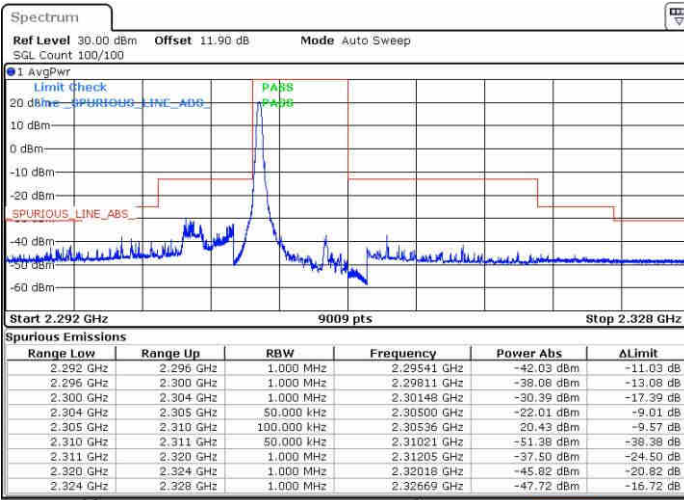
Date: 13 APR 2019 04:23:57



LTE Band 30 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

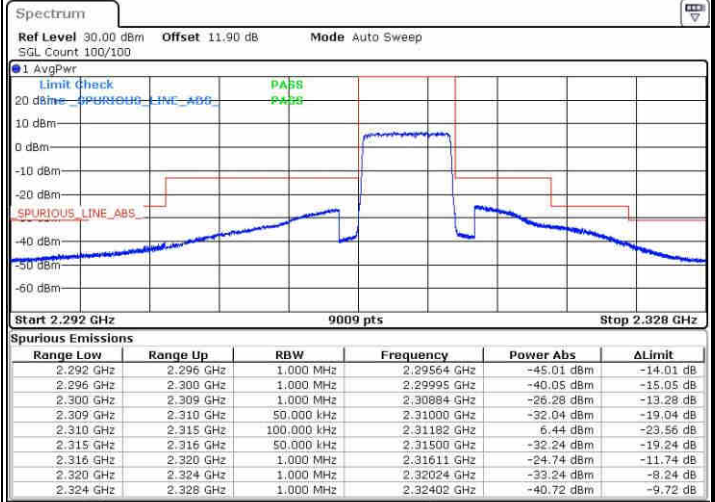
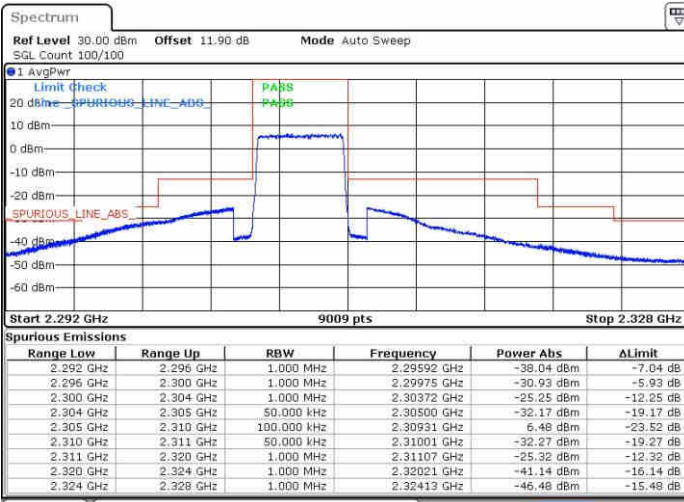


Date: 13 APR 2019 04:18:01

Date: 13 APR 2019 04:23:05

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13 APR 2019 04:19:45

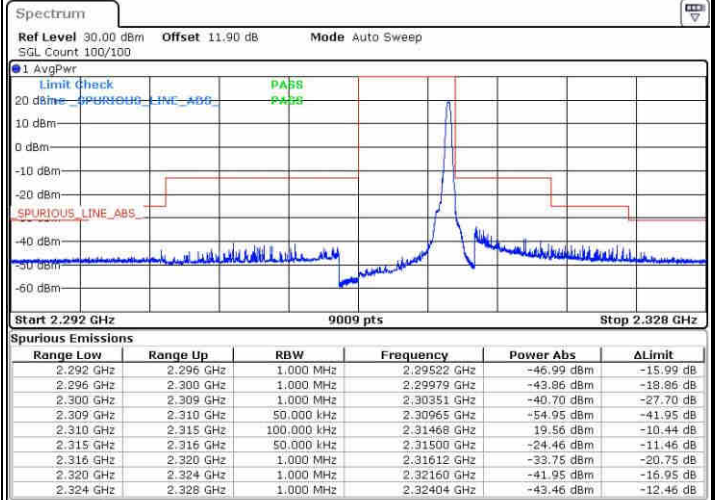
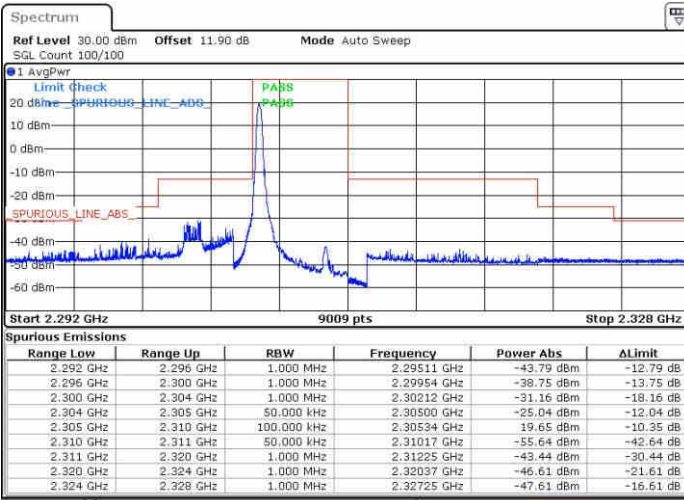
Date: 13 APR 2019 04:24:48



LTE Band 30 / 5MHz / 64QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

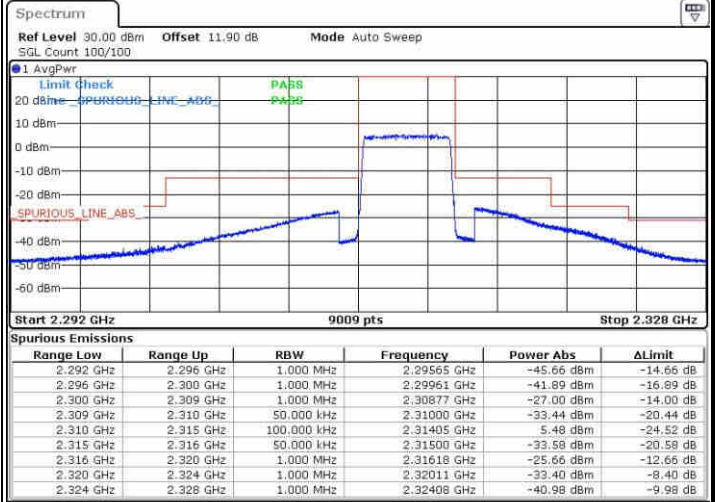
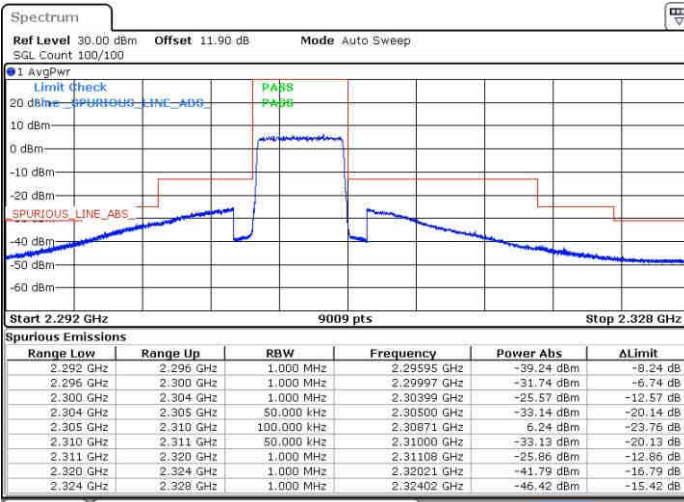


Date: 13 APR 2019 04:32:00

Date: 13 APR 2019 04:34:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13 APR 2019 04:32:51

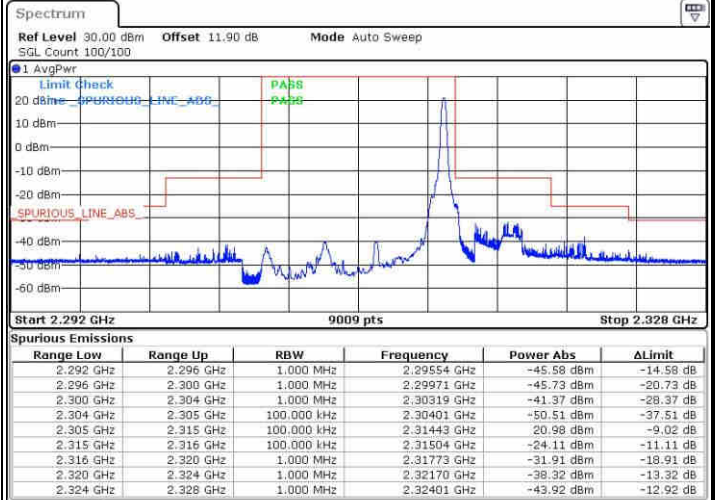
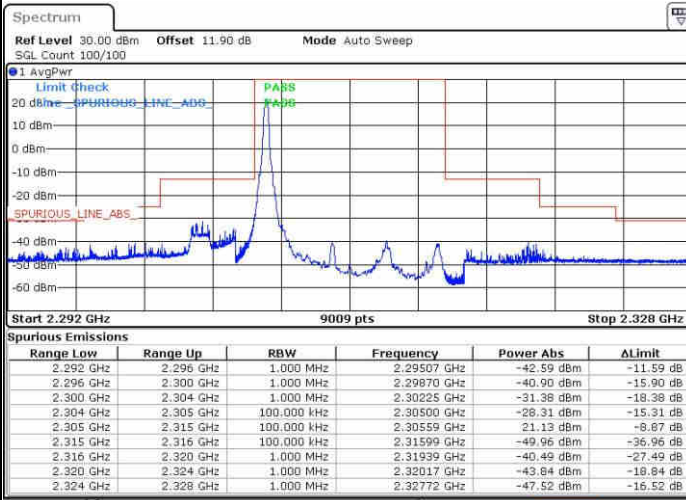
Date: 13 APR 2019 04:35:22



LTE Band 30 / 10MHz / QPSK

Lowest Band Edge / 1 RB

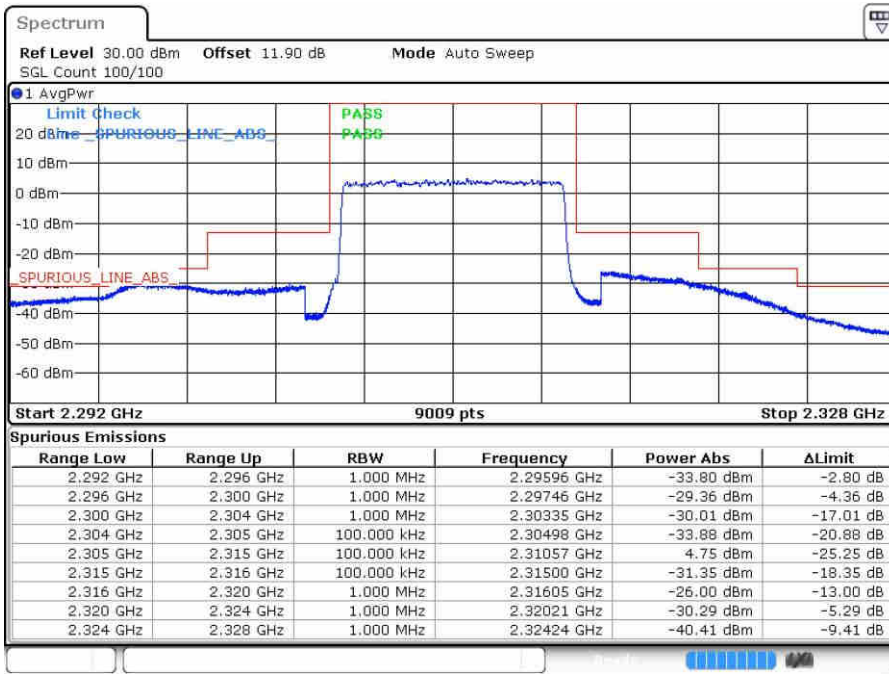
Highest Band Edge / 1 RB



Date: 13 APR 2019 04:26:27

Date: 13 APR 2019 04:28:09

Band Edge / Full RB

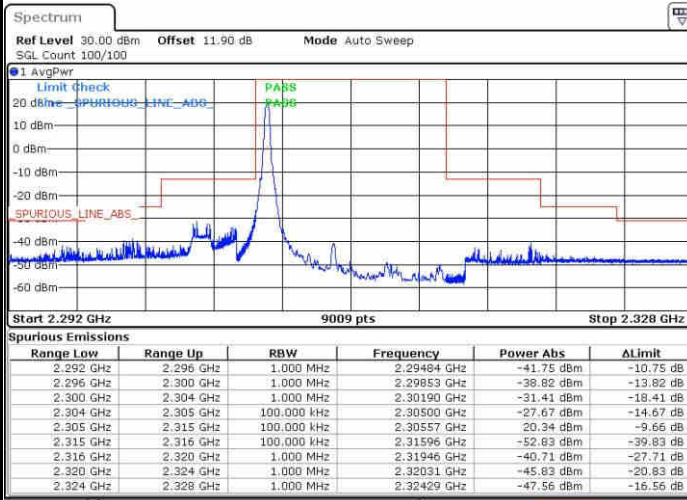


Date: 13 APR 2019 04:29:52



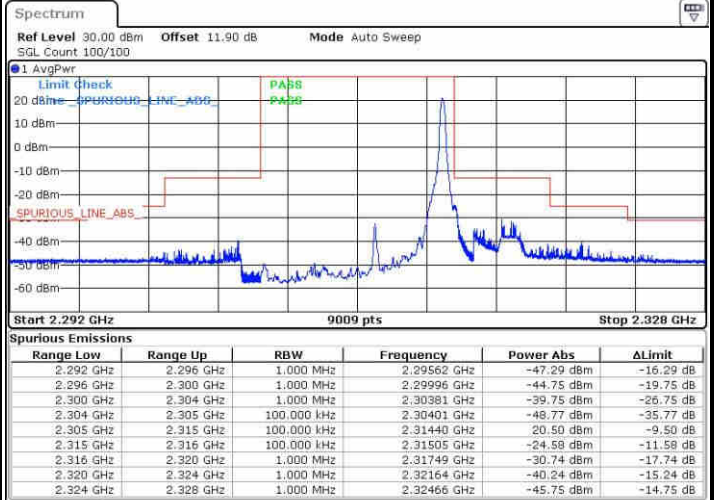
LTE Band 30 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



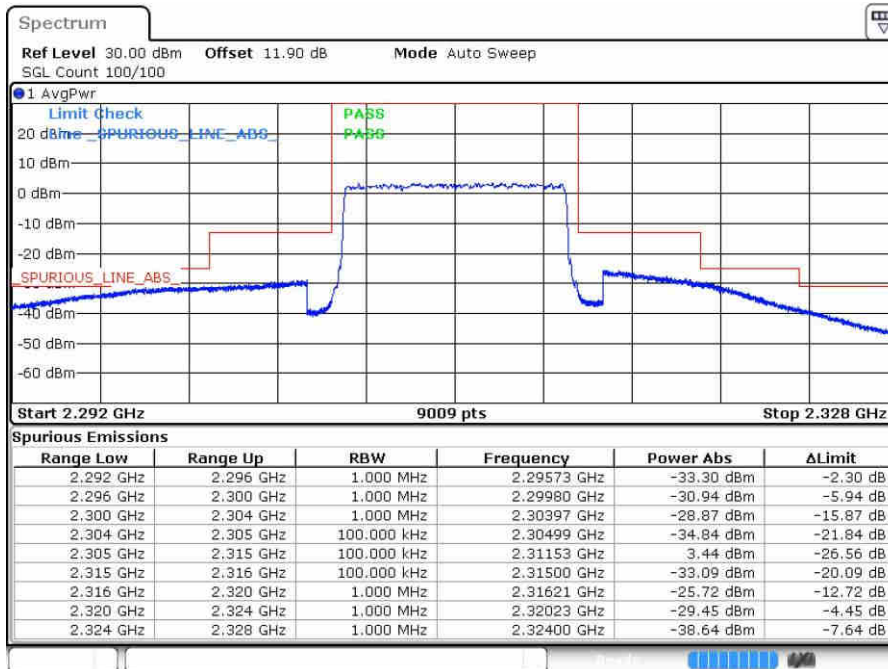
Date: 13 APR 2019 04:27:18

Highest Band Edge / 1 RB



Date: 13 APR 2019 04:28:01

Band Edge / Full RB

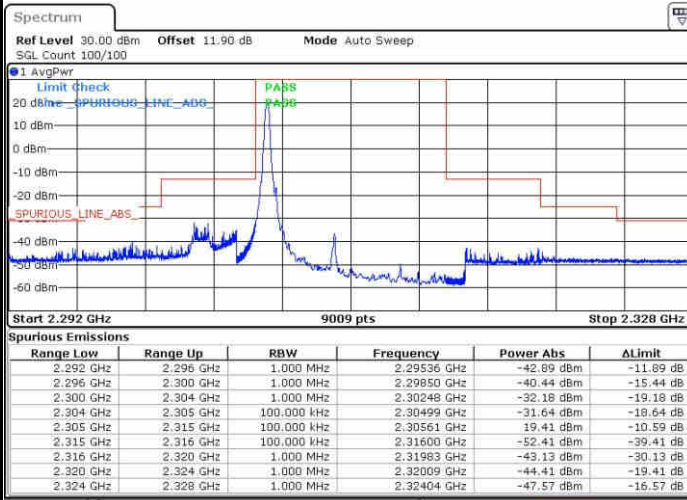


Date: 13 APR 2019 04:30:43



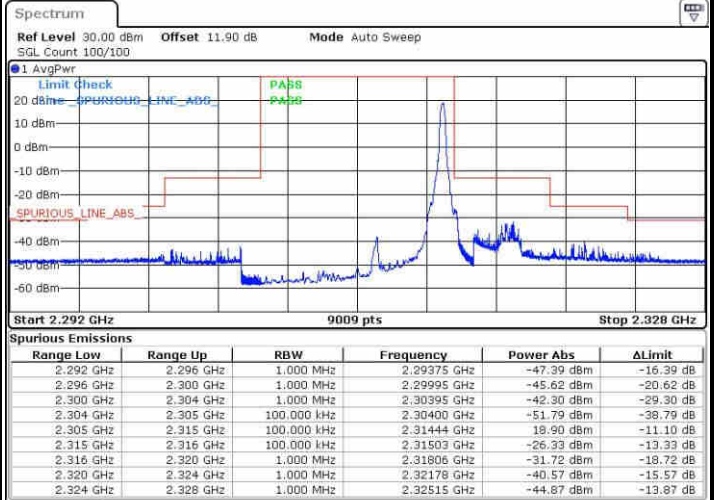
LTE Band 30 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



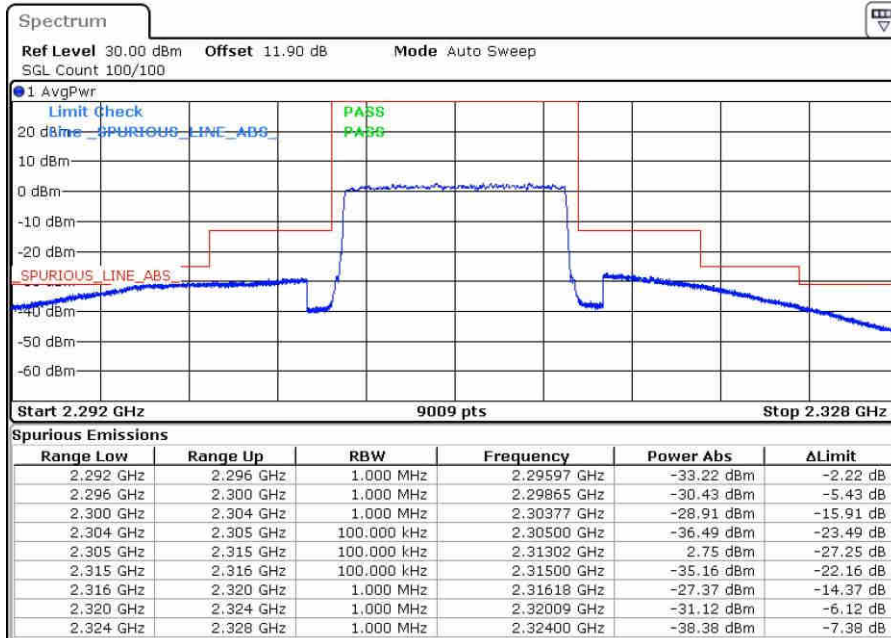
Date: 13 APR 2019 04:38:38

Highest Band Edge / 1 RB



Date: 13 APR 2019 04:37:29

Band Edge / Full RB



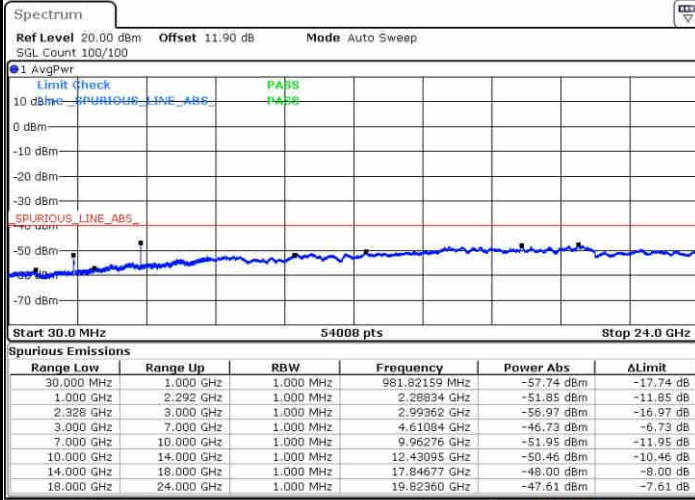
Date: 13 APR 2019 04:38:20



# Conducted Spurious Emission

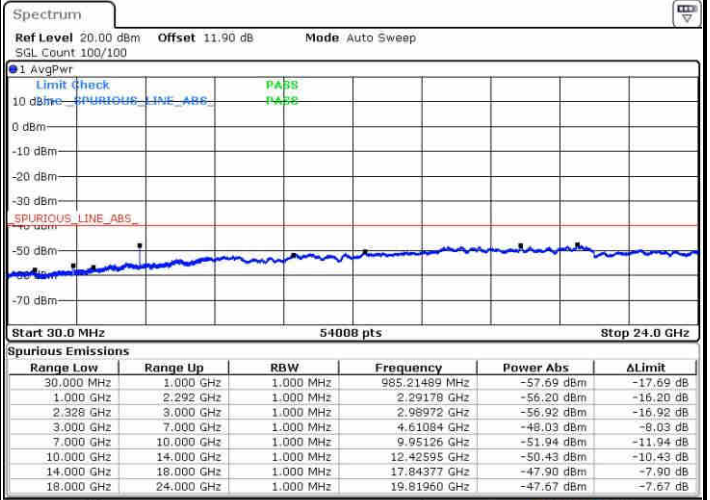
## LTE Band 30 / 5MHz

### Lowest Channel / QPSK



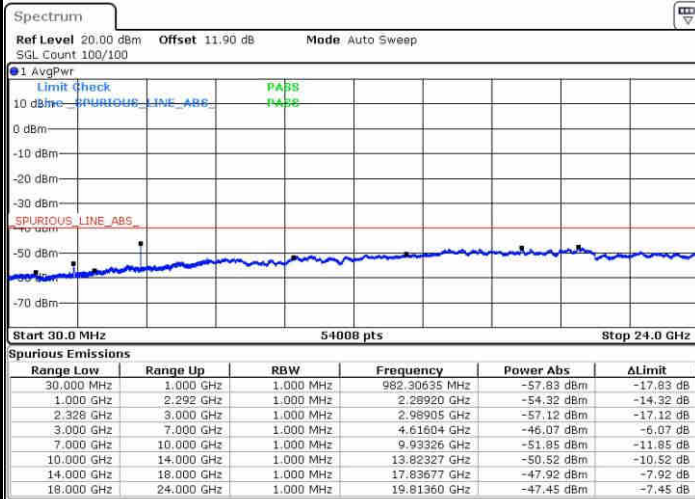
Date: 13 APR 2019 04:47:58

### Lowest Channel / 16QAM



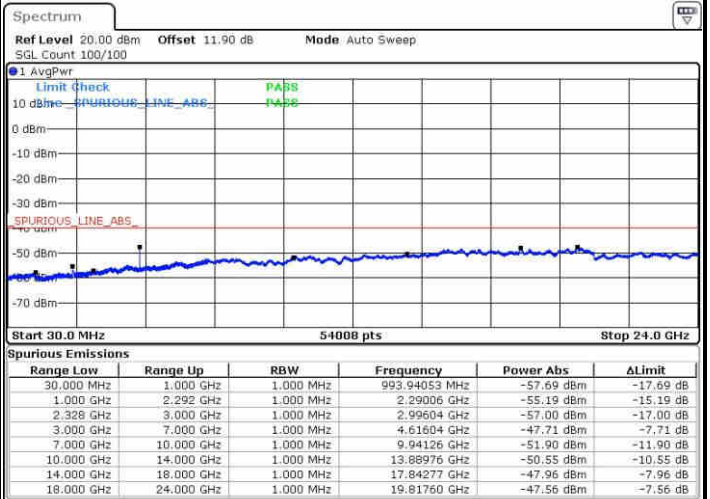
Date: 13 APR 2019 04:49:00

### Middle Channel / QPSK



Date: 13 APR 2019 04:50:01

### Middle Channel / 16QAM



Date: 13 APR 2019 04:51:02