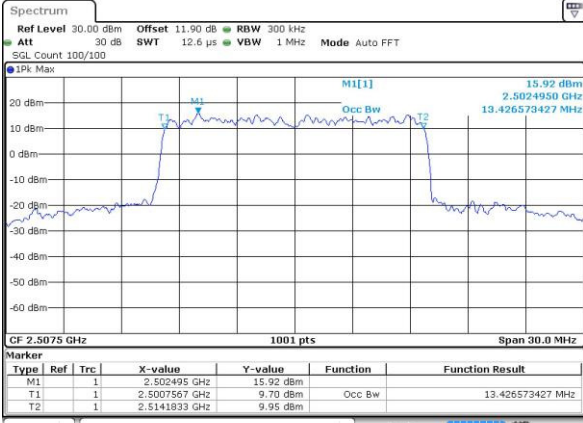




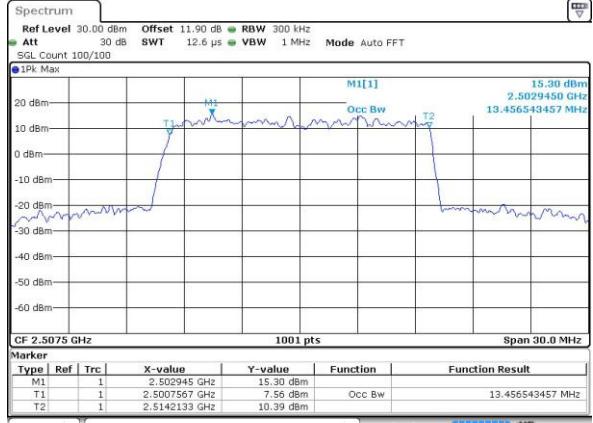
LTE Band 7

Lowest Channel / 15MHz / QPSK



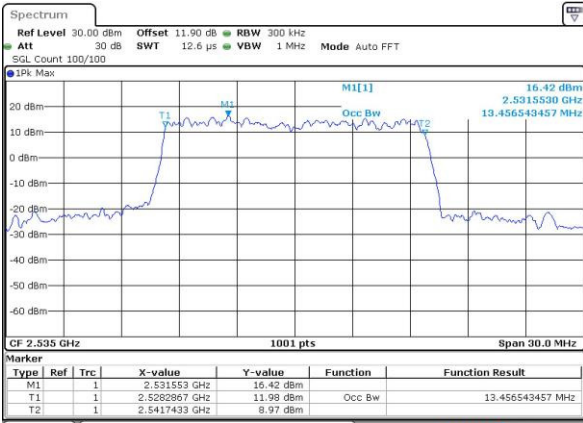
Date: 11 JAN 2017 13:41:50

Lowest Channel / 15MHz / 16QAM



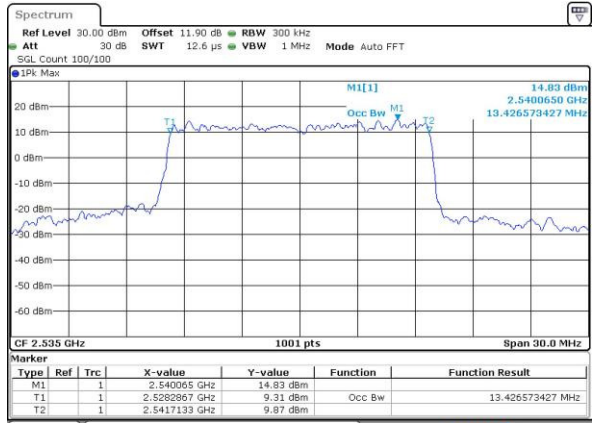
Date: 11 JAN 2017 13:42:01

Middle Channel / 15MHz / QPSK



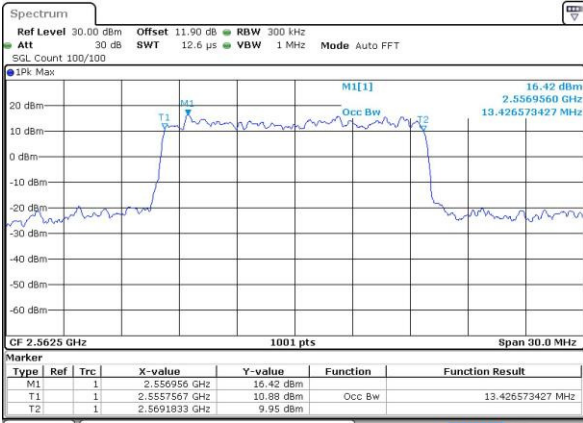
Date: 11 JAN 2017 13:49:00

Middle Channel / 15MHz / 16QAM



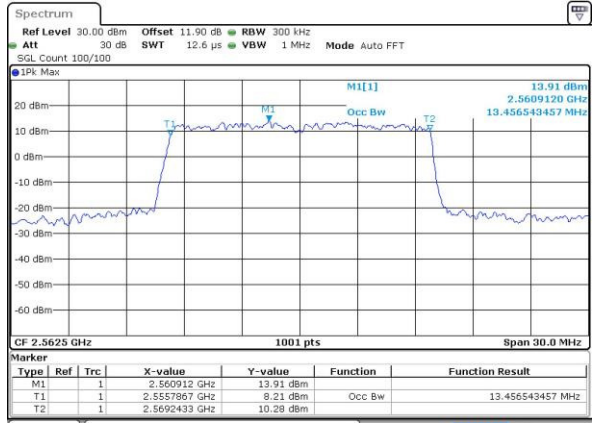
Date: 11 JAN 2017 13:49:10

Highest Channel / 15MHz / QPSK



Date: 11 JAN 2017 13:51:29

Highest Channel / 15MHz / 16QAM

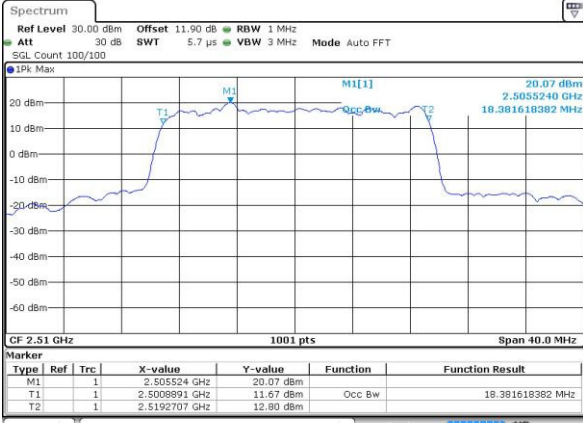


Date: 11 JAN 2017 13:51:40



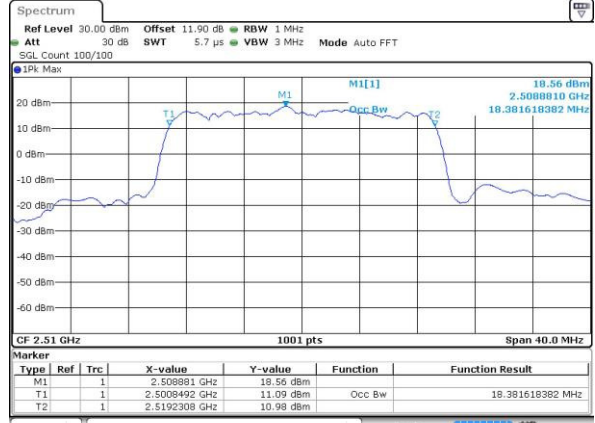
LTE Band 7

Lowest Channel / 20MHz / QPSK



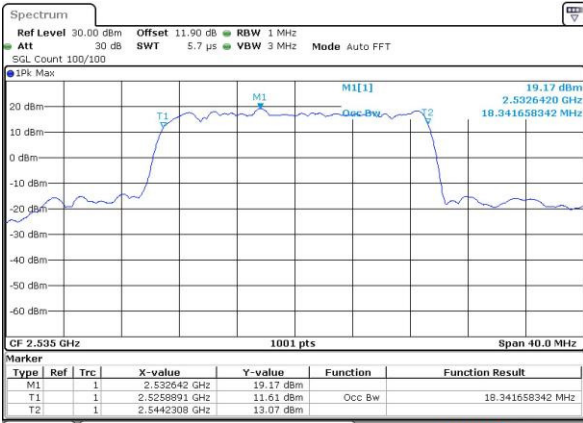
Date: 11 JAN 2017 13:58:39

Lowest Channel / 20MHz / 16QAM



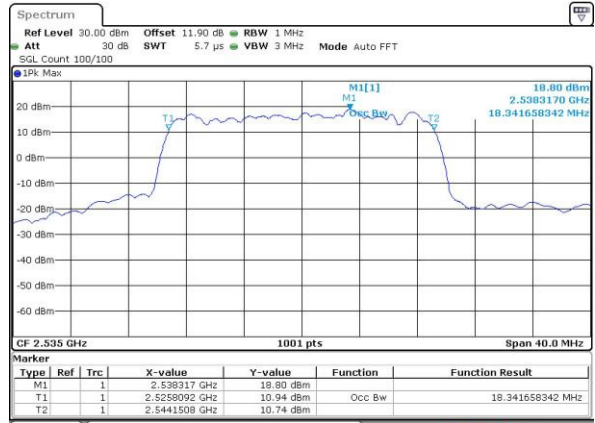
Date: 11 JAN 2017 13:58:49

Middle Channel / 20MHz / QPSK



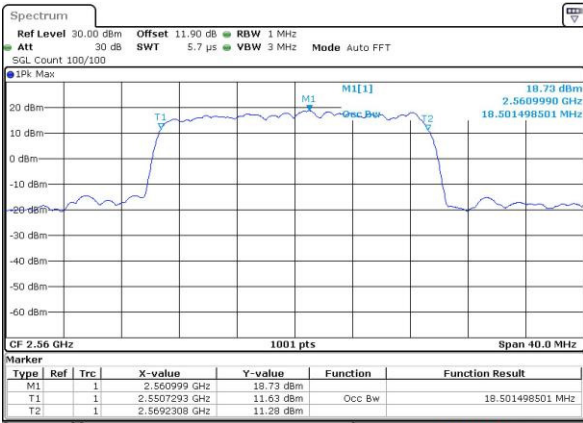
Date: 11 JAN 2017 14:05:47

Middle Channel / 20MHz / 16QAM



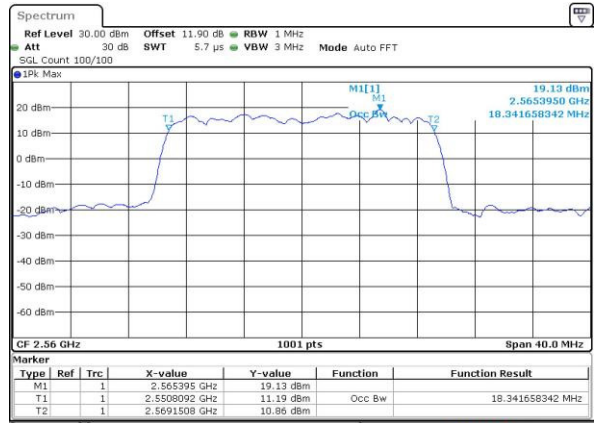
Date: 11 JAN 2017 14:05:57

Highest Channel / 20MHz / QPSK



Date: 11 JAN 2017 14:08:16

Highest Channel / 20MHz / 16QAM



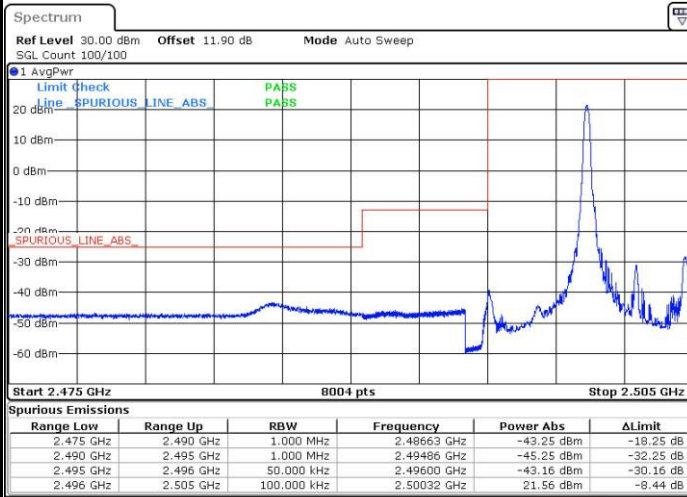
Date: 11 JAN 2017 14:08:26



# Conducted Band Edge

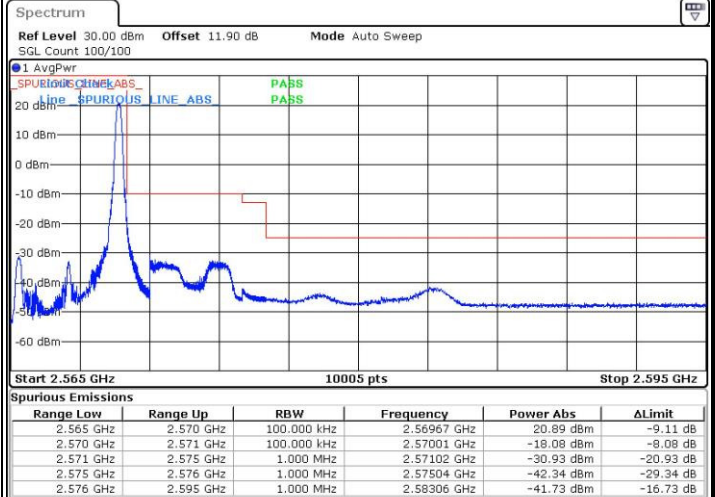
## LTE Band 7 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



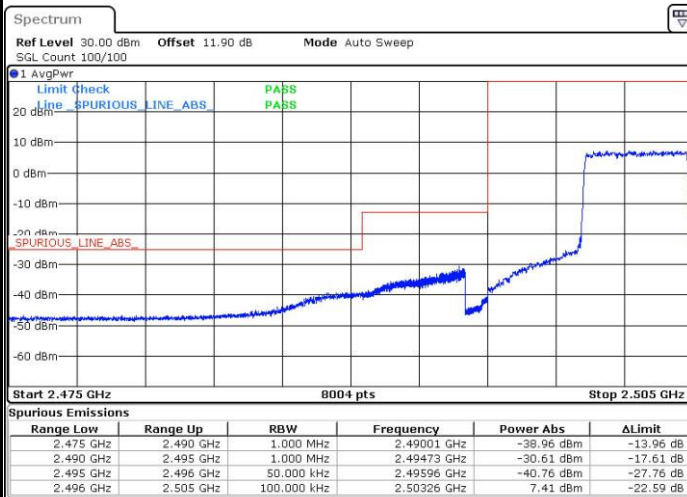
Date: 11 JAN 2017 11:01:32

### Highest Band Edge / 1 RB



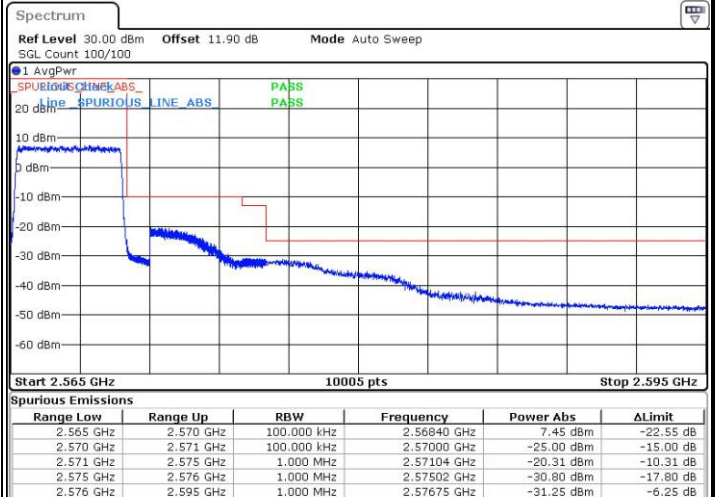
Date: 11 JAN 2017 11:50:03

### Lowest Band Edge / Full RB



Date: 11 JAN 2017 11:03:52

### Highest Band Edge / Full RB

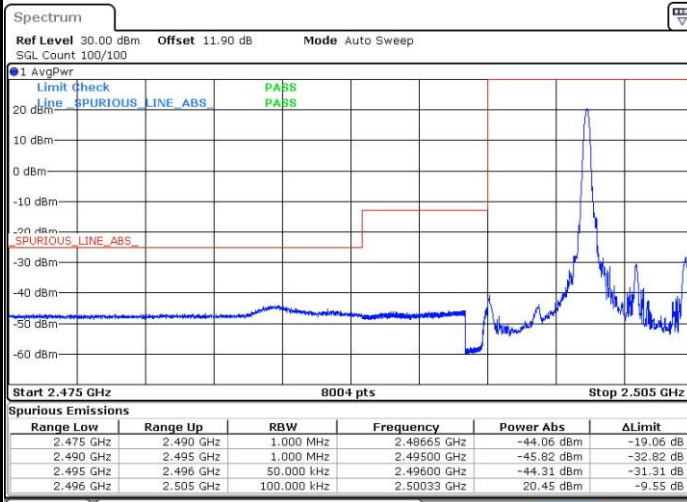


Date: 11 JAN 2017 17:36:28



LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



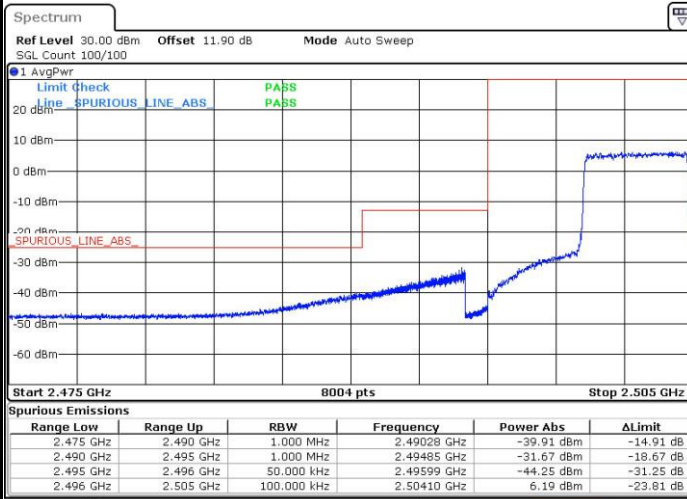
Date: 11.JAN.2017 11:02:42

Highest Band Edge / 1 RB



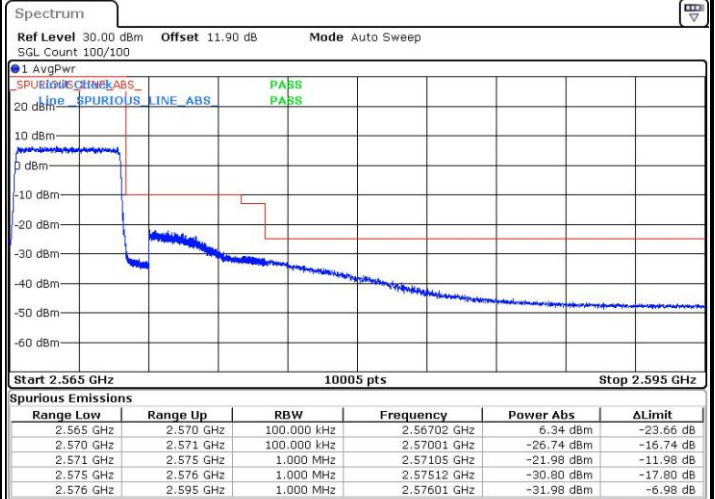
Date: 11.JAN.2017 11:51:13

Lowest Band Edge / Full RB



Date: 11.JAN.2017 11:05:02

Highest Band Edge / Full RB

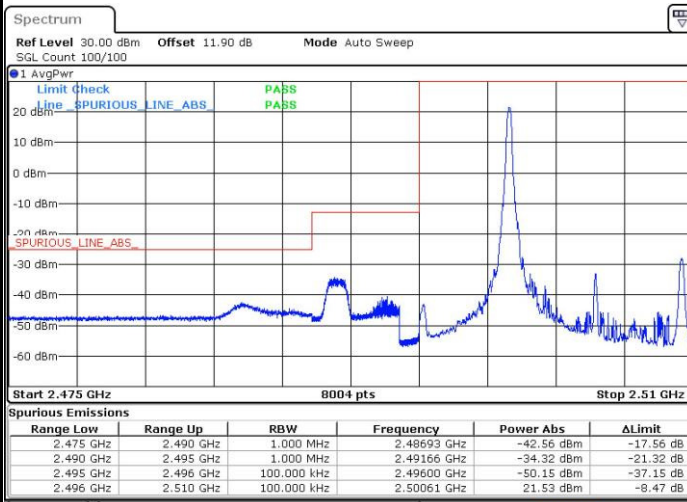


Date: 11.JAN.2017 11:53:32



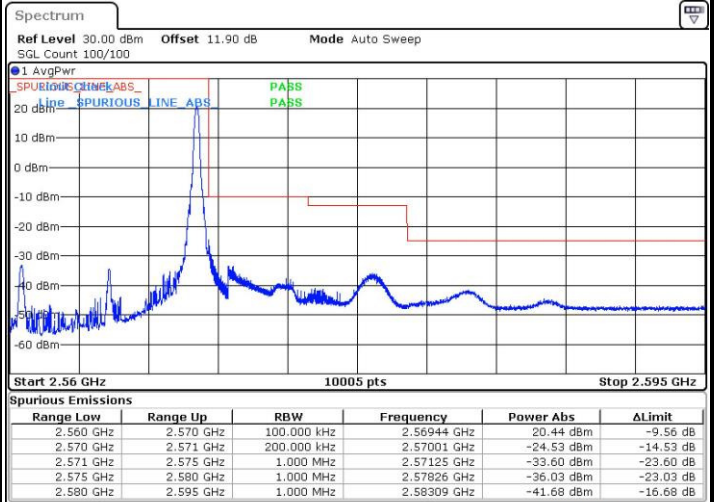
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



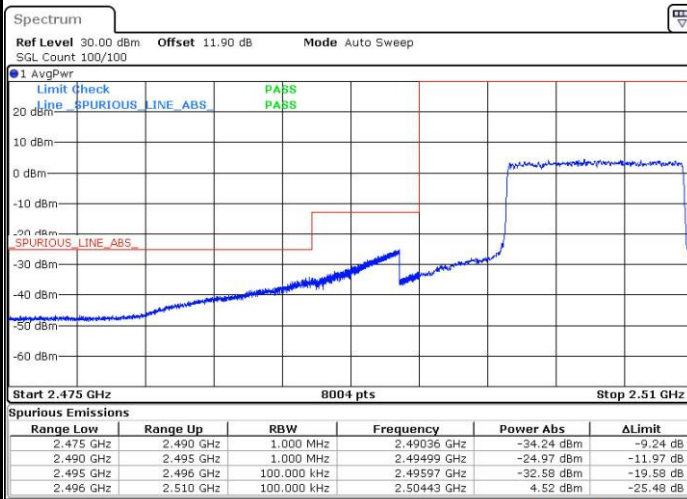
Date: 11.JAN.2017 11:57:11

Highest Band Edge / 1 RB



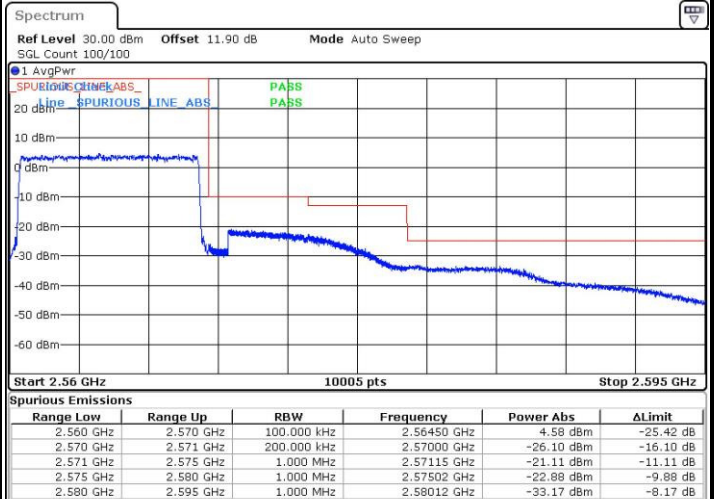
Date: 11.JAN.2017 12:06:48

Lowest Band Edge / Full RB



Date: 11.JAN.2017 11:59:31

Highest Band Edge / Full RB

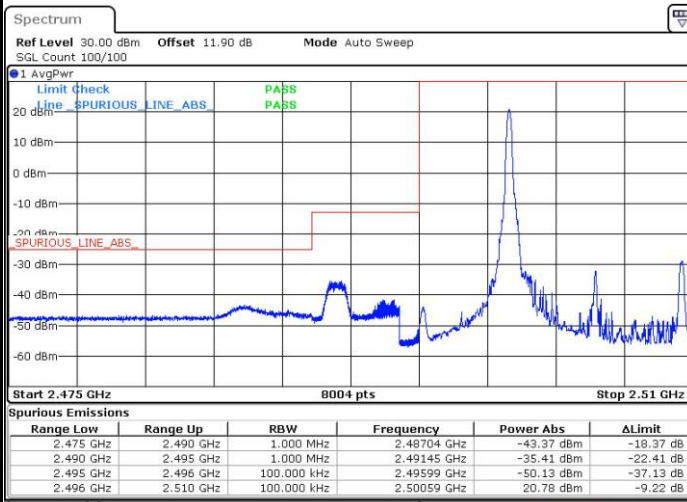


Date: 11.JAN.2017 12:09:08



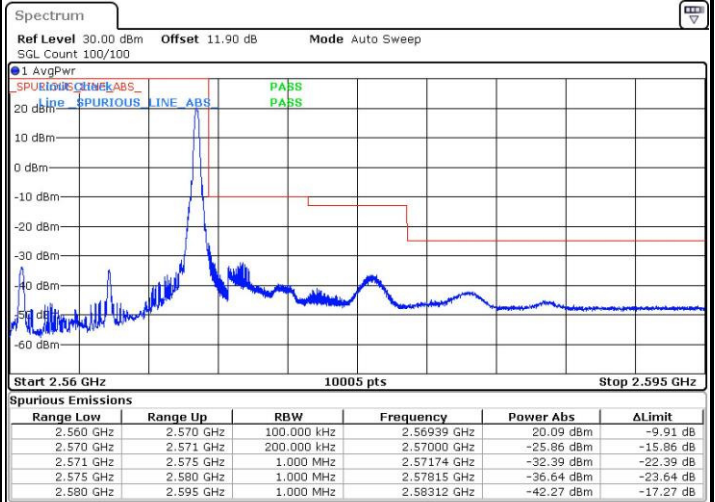
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



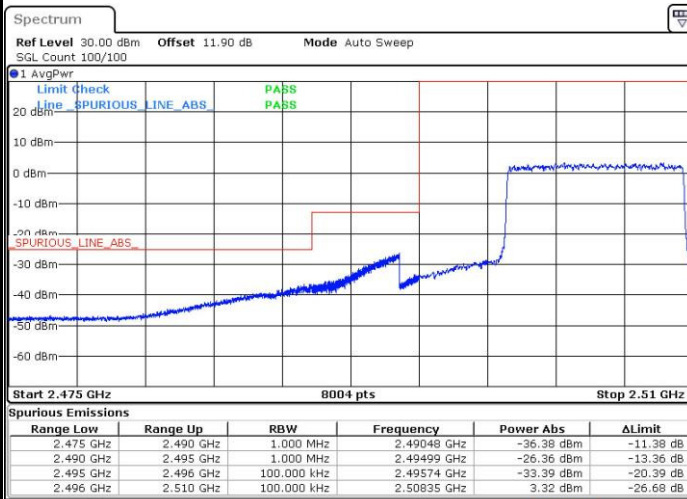
Date: 11.JAN.2017 11:58:21

Highest Band Edge / 1 RB



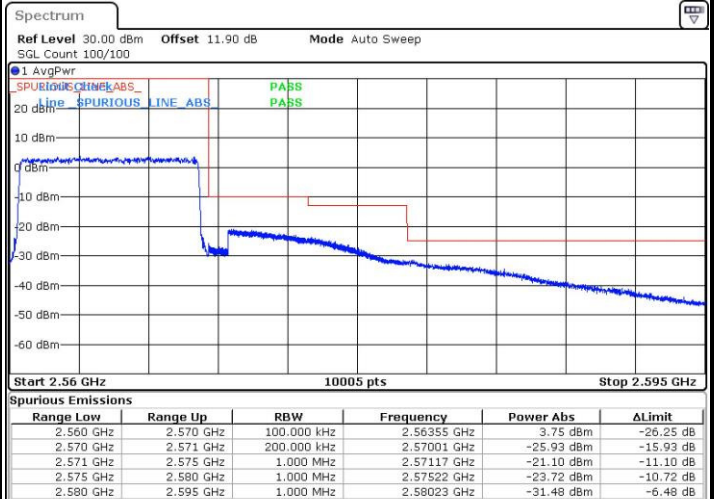
Date: 11.JAN.2017 12:07:58

Lowest Band Edge / Full RB



Date: 11.JAN.2017 12:00:40

Highest Band Edge / Full RB

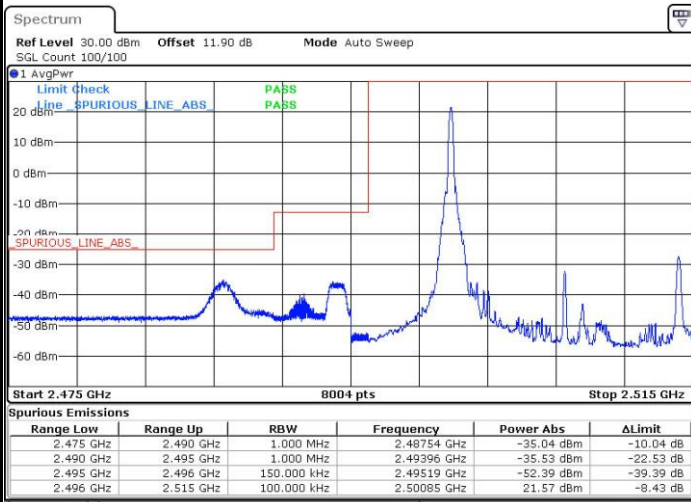


Date: 11.JAN.2017 13:39:52



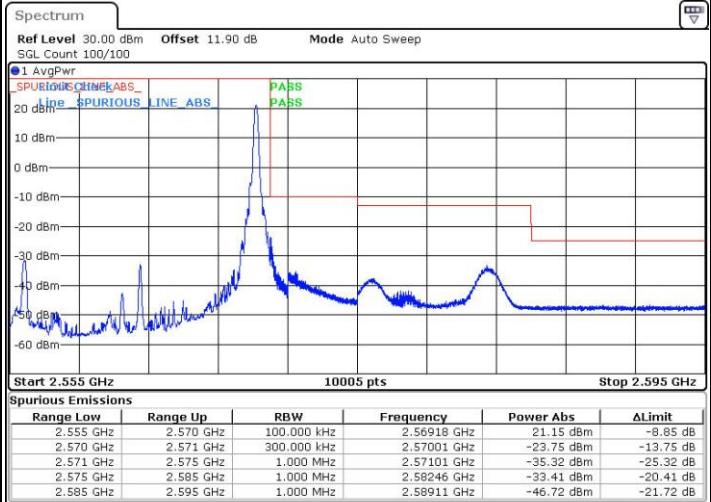
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



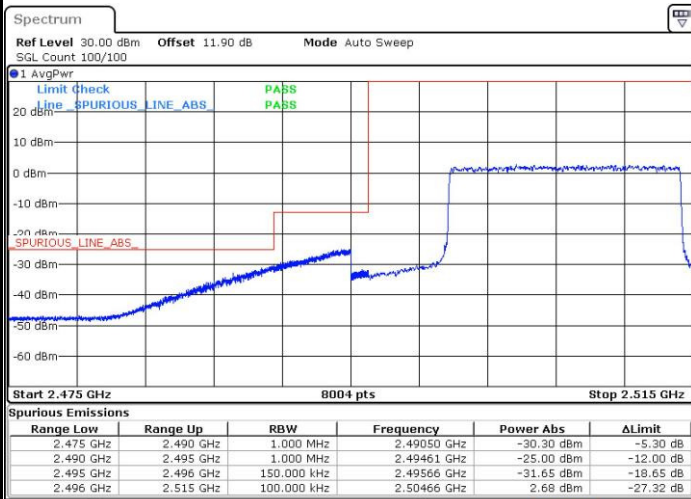
Date: 11.JAN.2017 13:43:31

Highest Band Edge / 1 RB



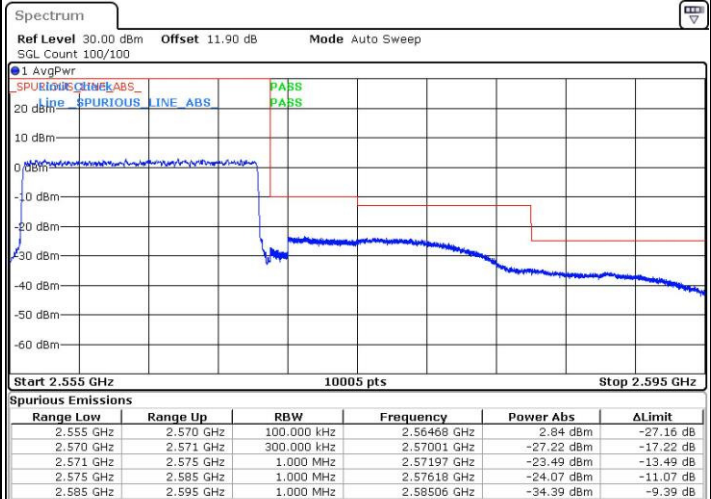
Date: 11.JAN.2017 13:53:10

Lowest Band Edge / Full RB



Date: 11.JAN.2017 13:45:51

Highest Band Edge / Full RB

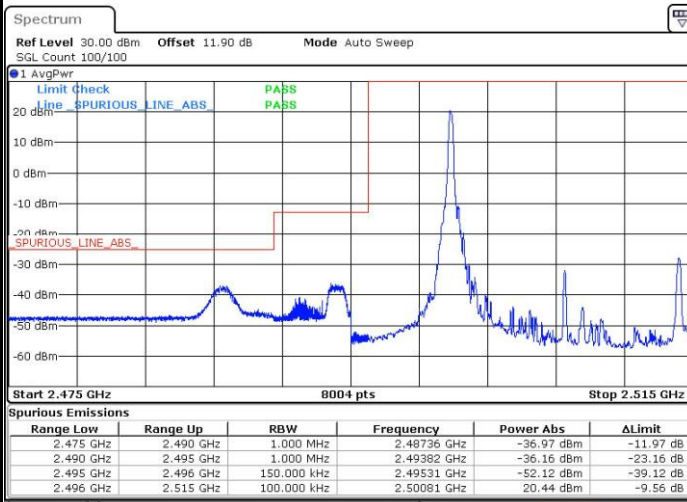


Date: 11.JAN.2017 13:55:30



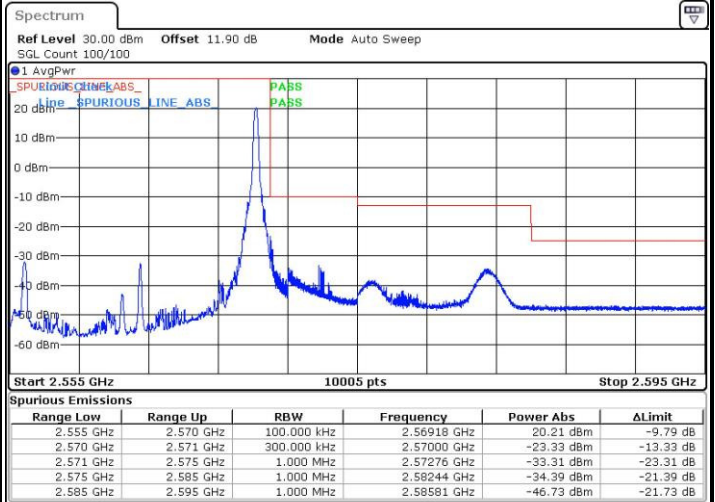
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



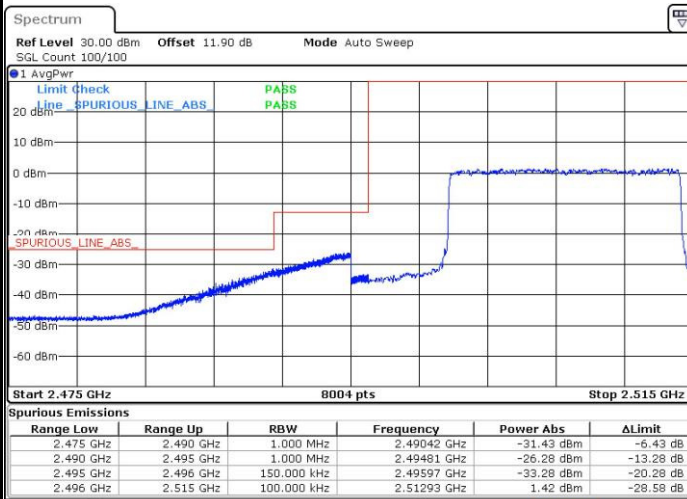
Date: 11.JAN.2017 13:44:41

Highest Band Edge / 1 RB



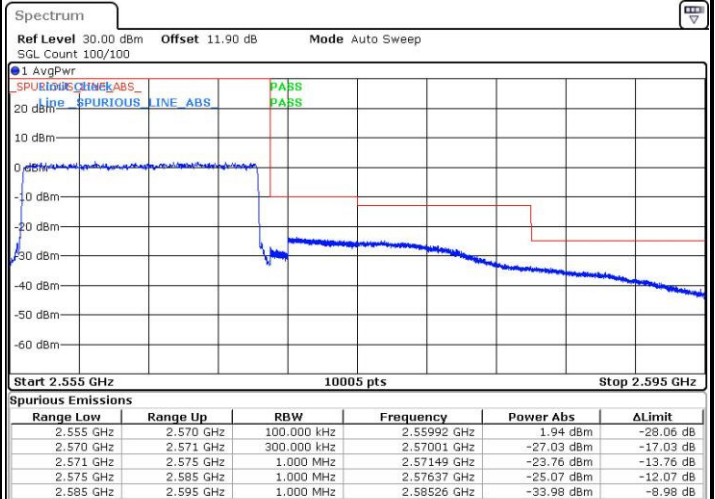
Date: 11.JAN.2017 13:54:20

Lowest Band Edge / Full RB



Date: 11.JAN.2017 13:47:00

Highest Band Edge / Full RB



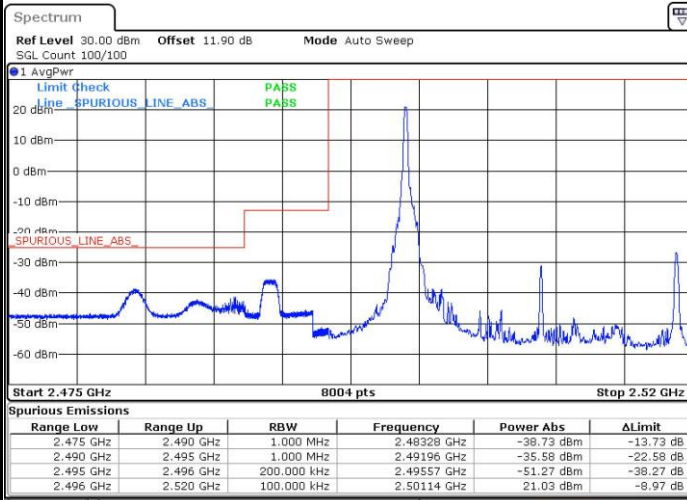
Date: 11.JAN.2017 13:56:40





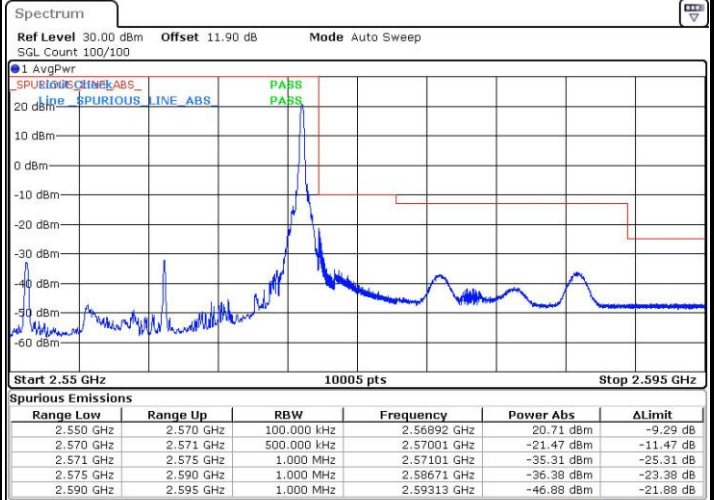
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



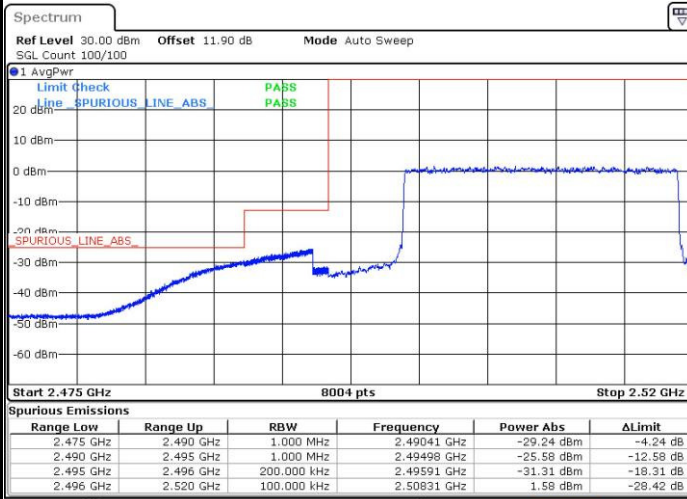
Date: 11.JAN.2017 14:00:19

Highest Band Edge / 1 RB



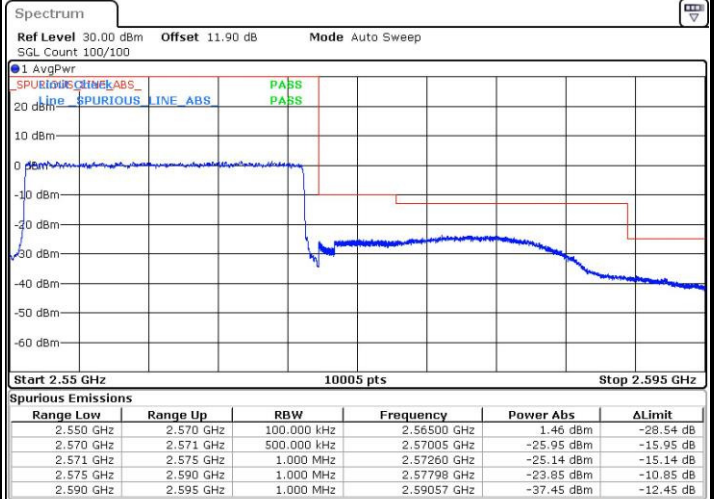
Date: 11.JAN.2017 14:11:35

Lowest Band Edge / Full RB



Date: 11.JAN.2017 14:02:39

Highest Band Edge / Full RB

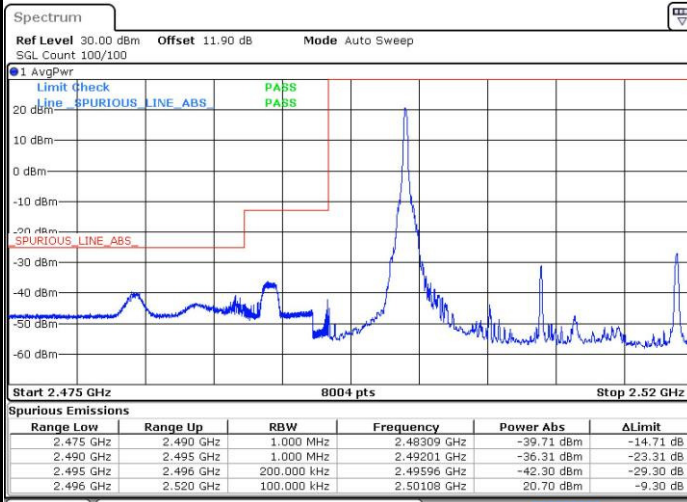


Date: 11.JAN.2017 14:15:05



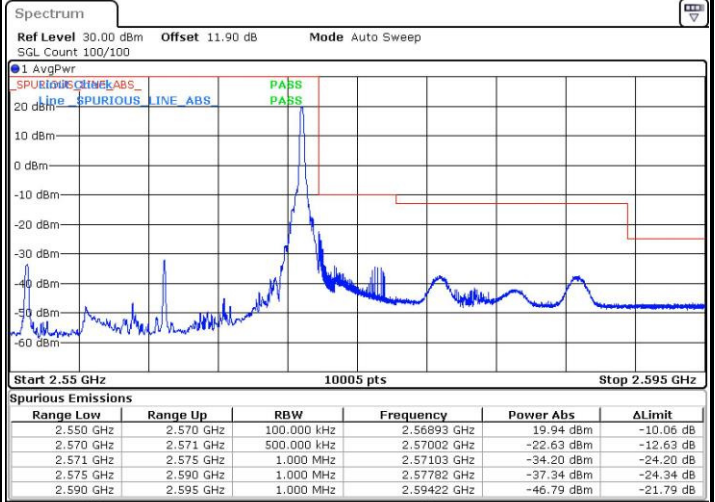
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



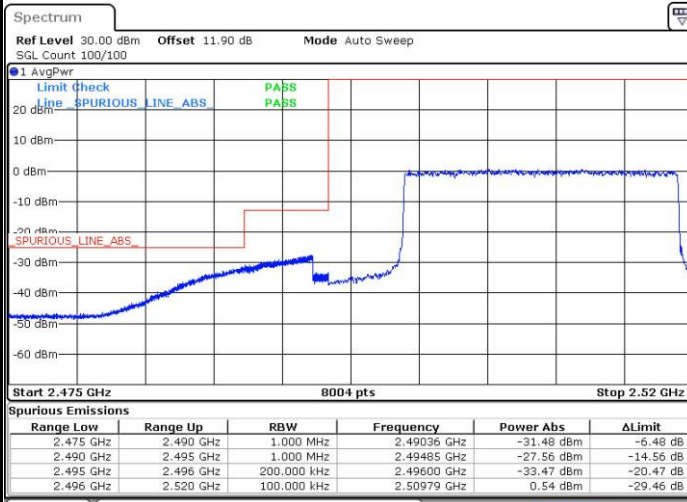
Date: 11.JAN.2017 14:01:29

Highest Band Edge / 1RB



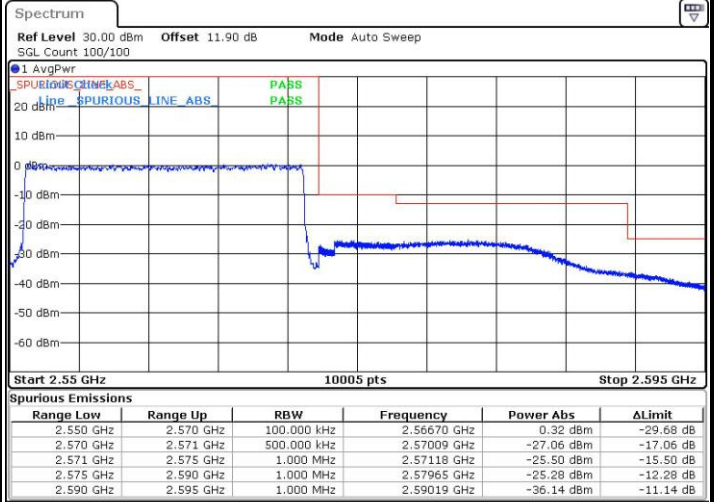
Date: 11.JAN.2017 14:12:45

Lowest Band Edge / Full RB



Date: 11.JAN.2017 14:03:49

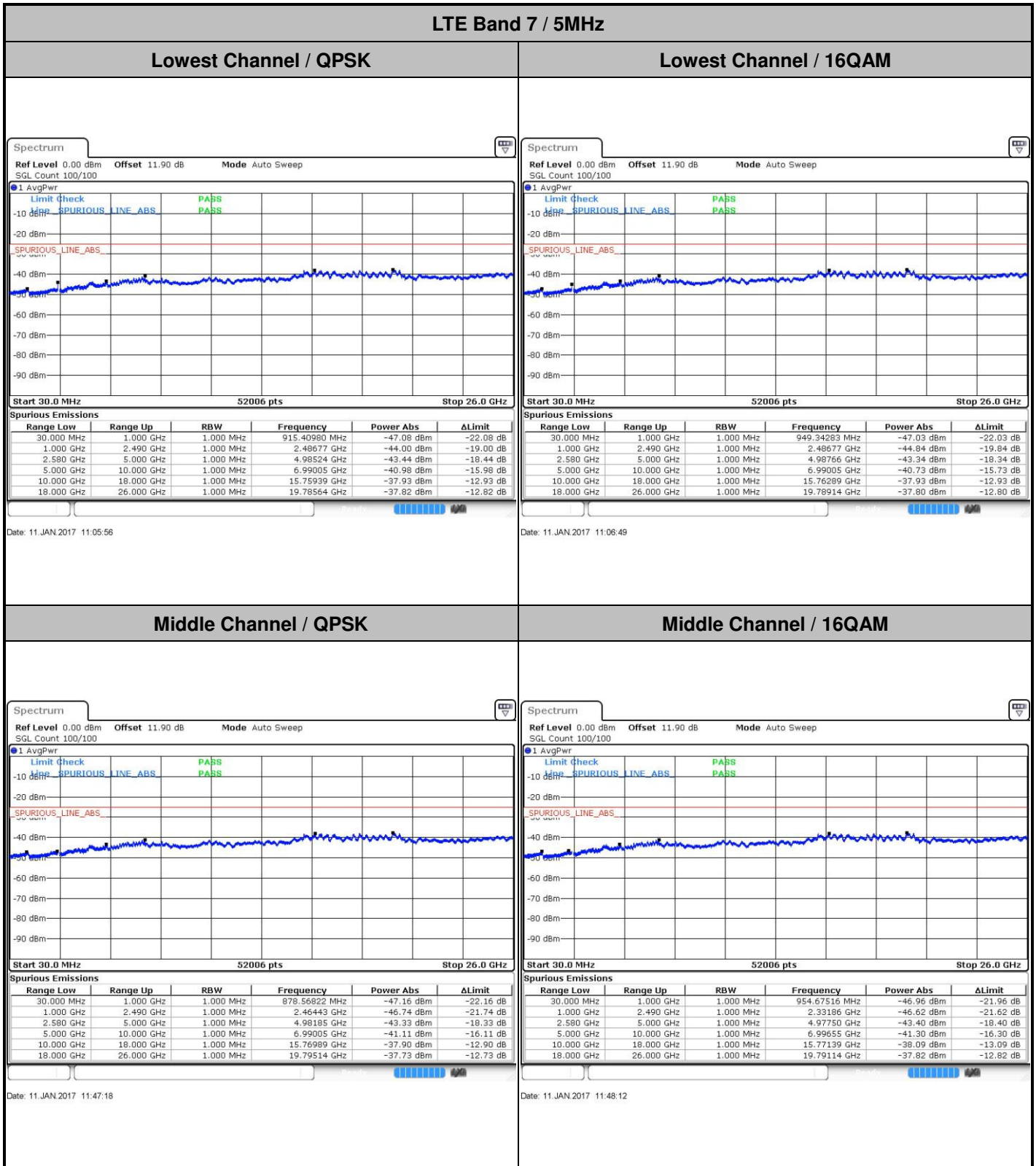
Highest Band Edge / Full RB



Date: 11.JAN.2017 14:13:55



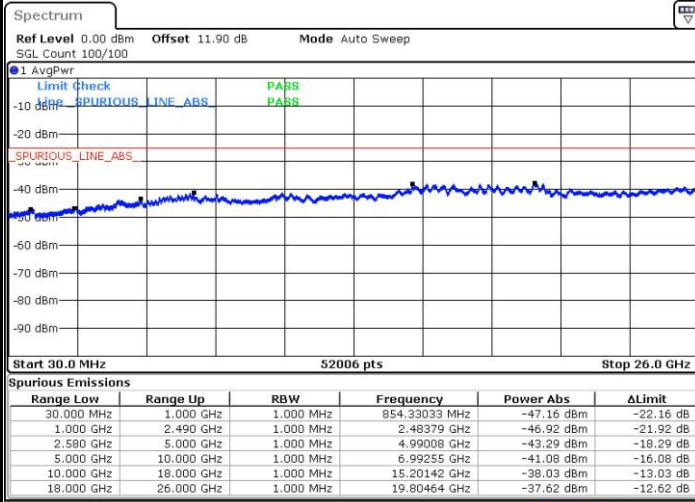
# Conducted Spurious Emission





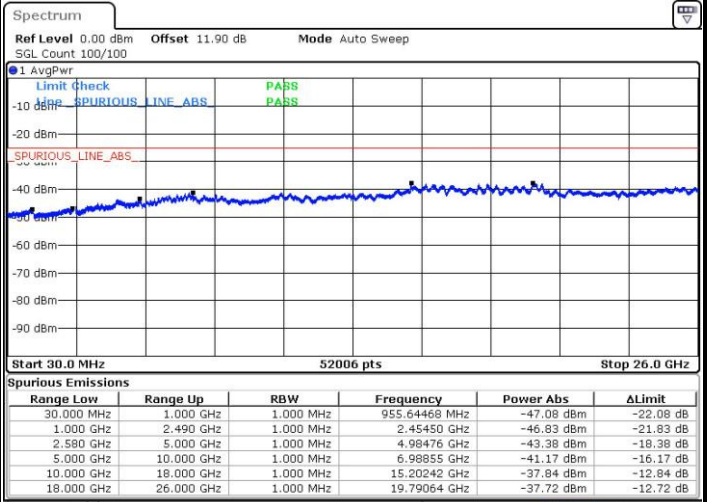
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 11.JAN.2017 11:54:27

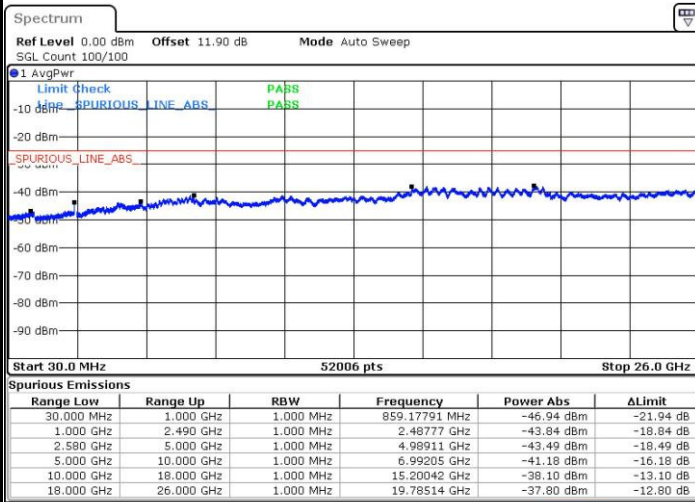
Highest Channel / 16QAM



Date: 11.JAN.2017 11:55:20

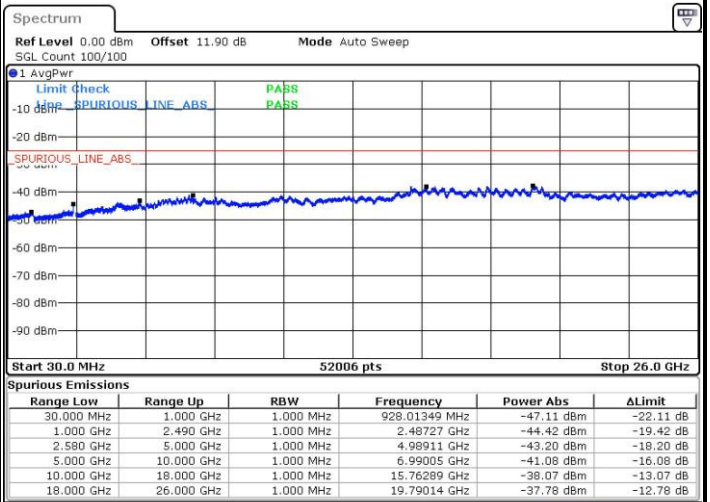
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 11.JAN.2017 12:01:34

Lowest Channel / 16QAM



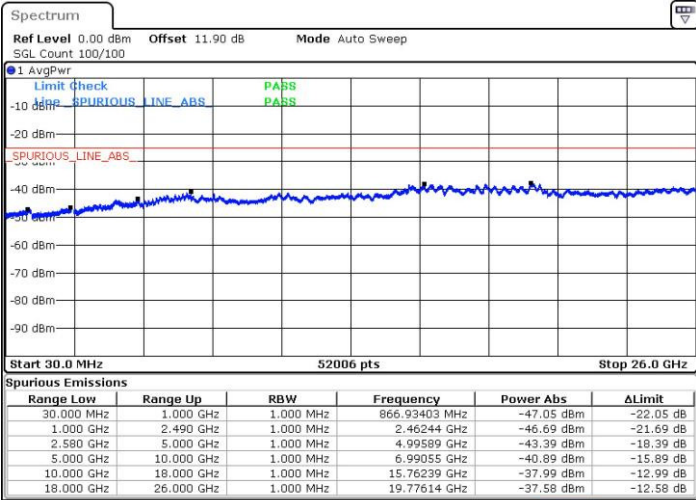
Date: 11.JAN.2017 12:02:28



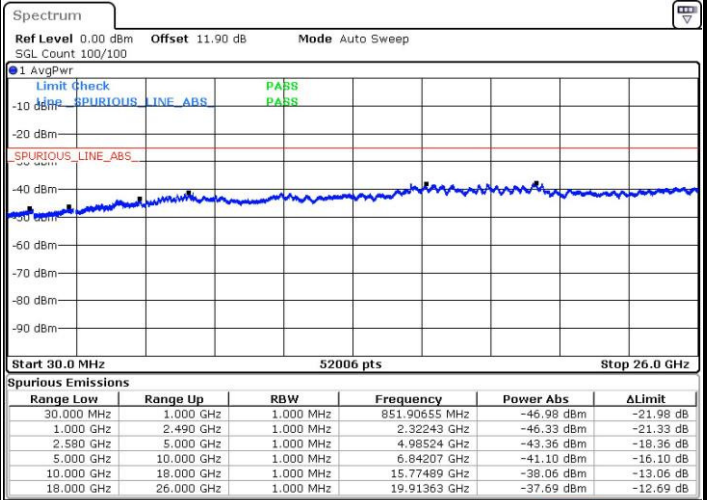
LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



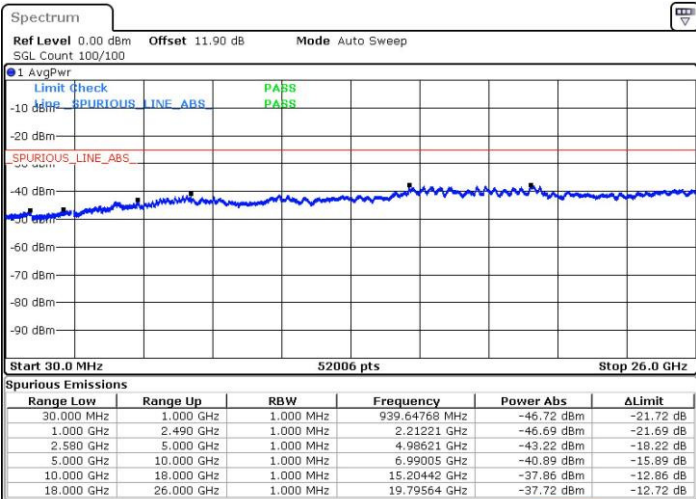
Date: 11.JAN.2017 12:04:03



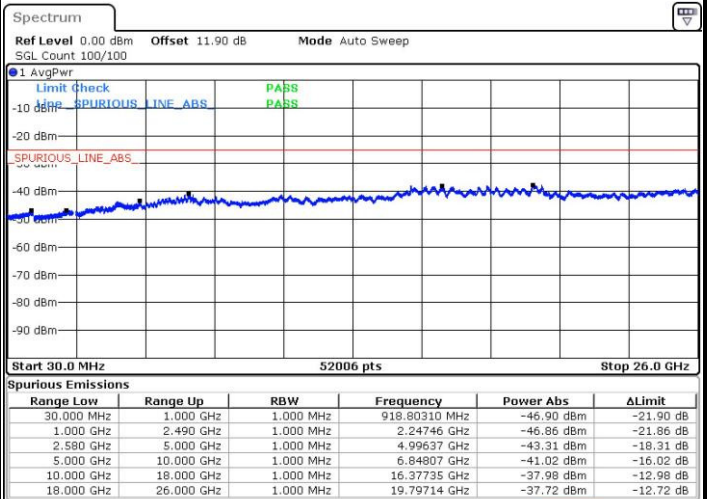
Date: 11.JAN.2017 12:04:57

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 11.JAN.2017 13:40:46



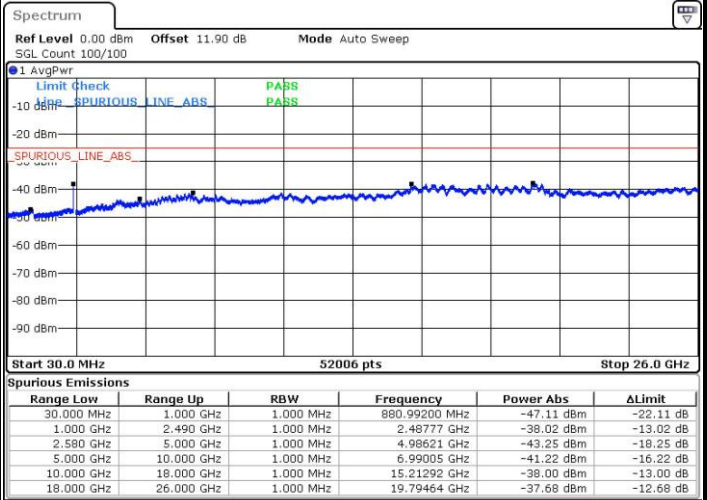
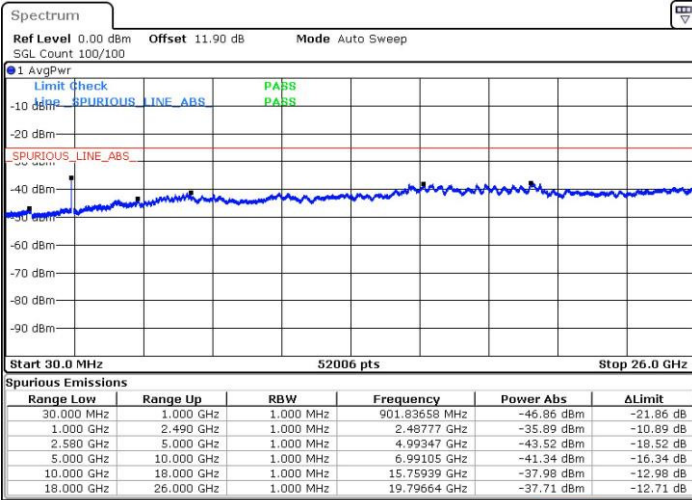
Date: 11.JAN.2017 13:41:39



LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

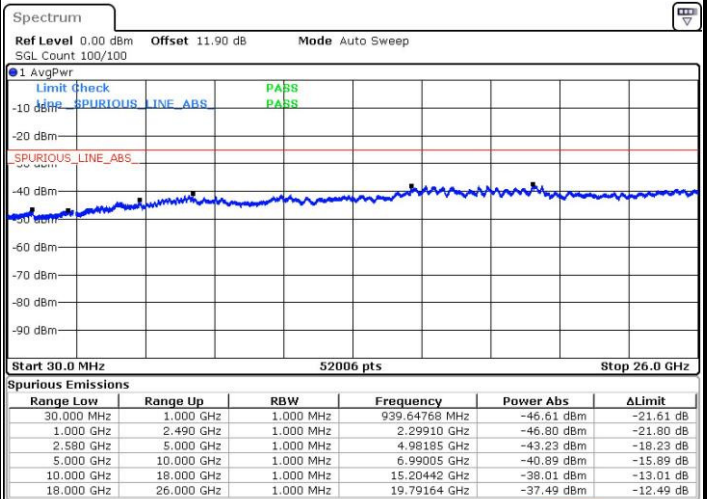
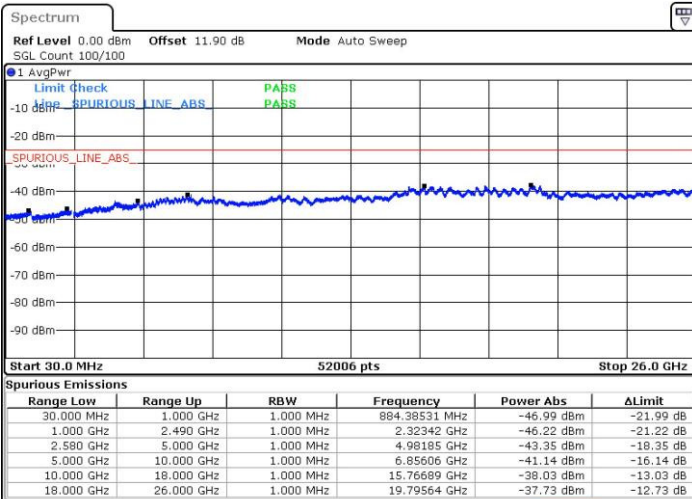


Date: 11.JAN.2017 13:47:55

Date: 11.JAN.2017 13:48:49

Middle Channel / QPSK

Middle Channel / 16QAM



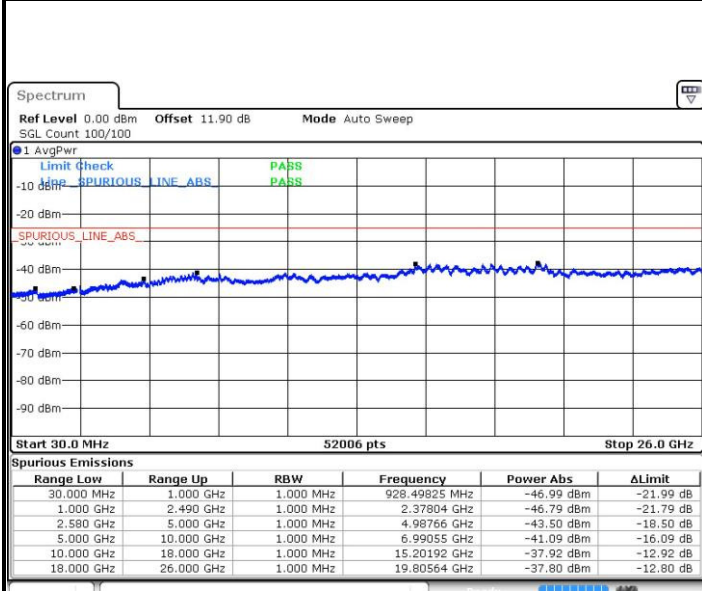
Date: 11.JAN.2017 13:50:24

Date: 11.JAN.2017 13:51:18



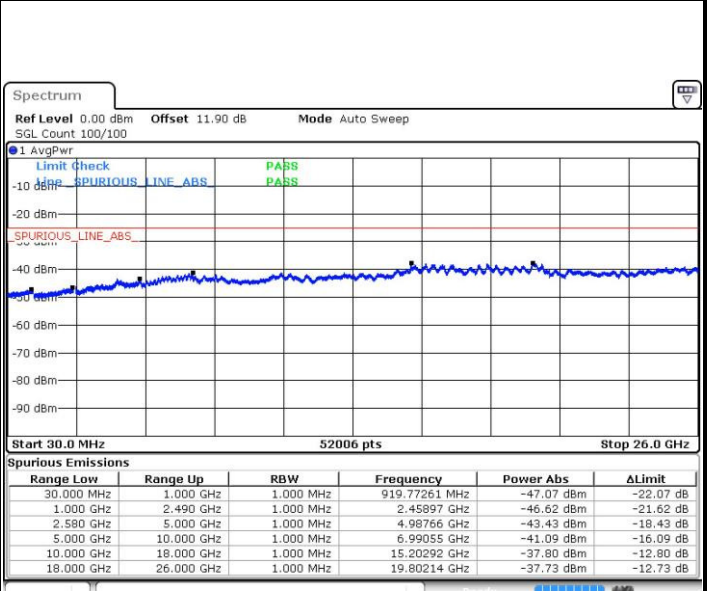
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 11.JAN.2017 13:57:34

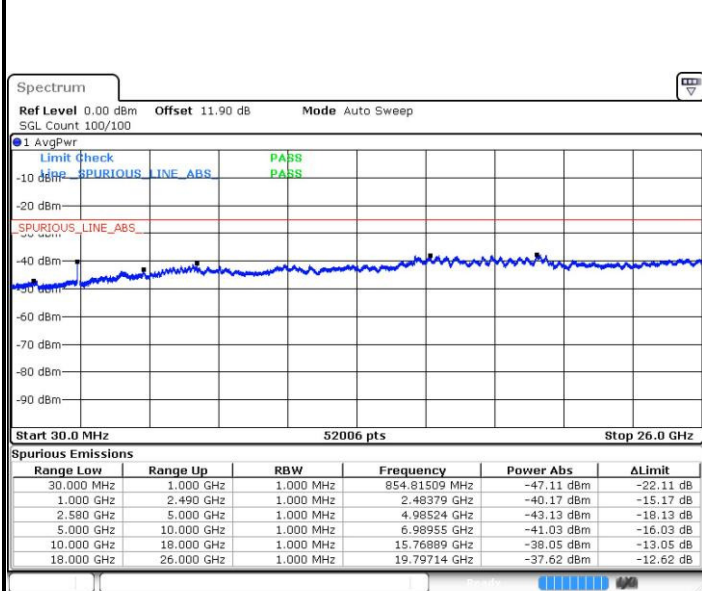
Highest Channel / 16QAM



Date: 11.JAN.2017 13:58:28

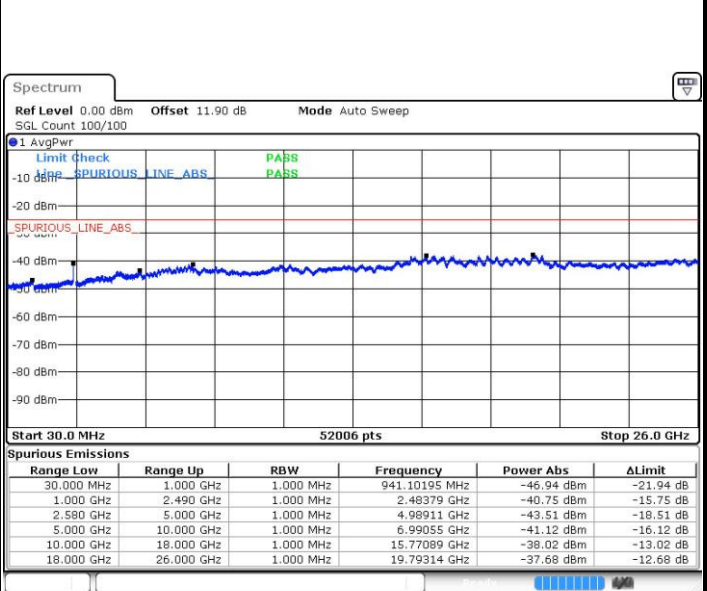
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 11.JAN.2017 14:04:43

Lowest Channel / 16QAM



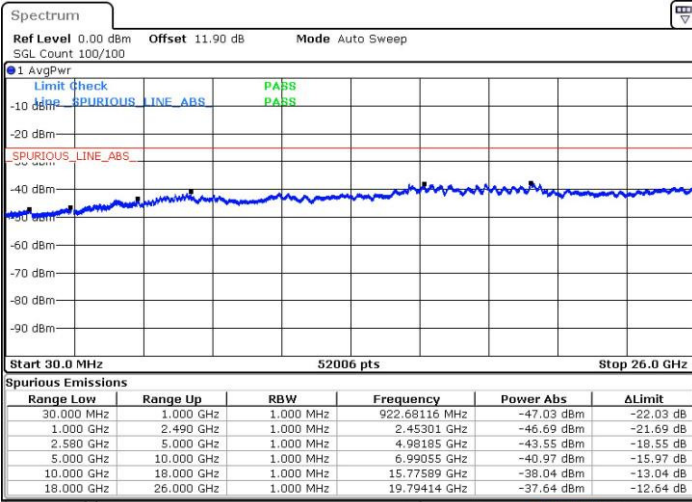
Date: 11.JAN.2017 14:05:36



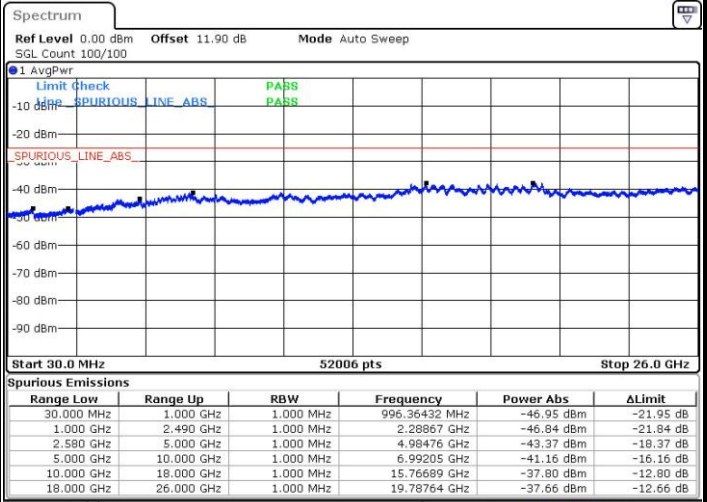
LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



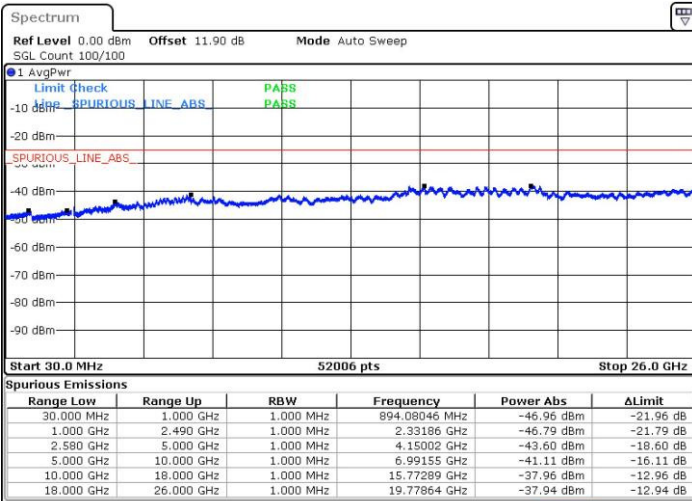
Date: 11.JAN.2017 14:07:11



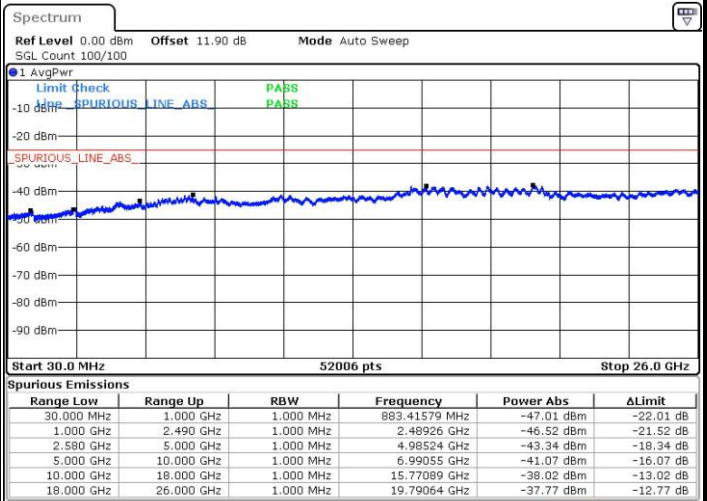
Date: 11.JAN.2017 14:08:05

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 11.JAN.2017 14:15:59



Date: 11.JAN.2017 14:16:53





Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 12

### Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.52	5.13	5.42	5.91	<b>PASS</b>
Middle CH	4.58	4.93	5.3	5.83	
Highest CH	4.58	5.07	5.28	5.83	



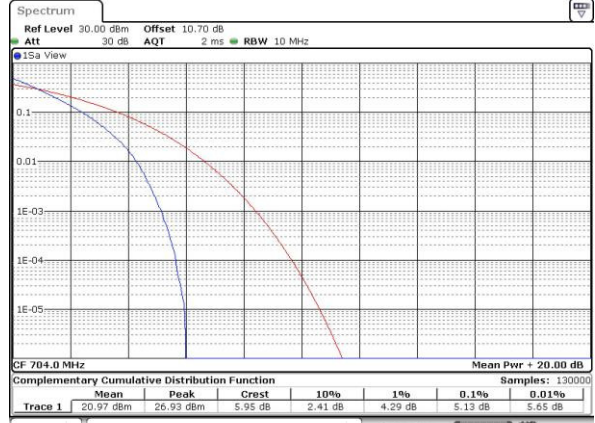
LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



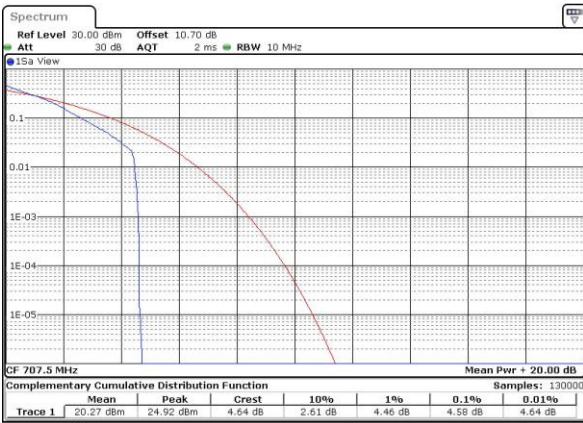
Date: 11 JAN 2017 10:54:05

Lowest Channel / Full RB



Date: 11 JAN 2017 10:53:56

Middle Channel / 1RB



Date: 11 JAN 2017 10:54:14

Middle Channel / Full RB



Date: 11 JAN 2017 10:54:23

Highest Channel / 1RB



Date: 11 JAN 2017 10:54:42

Highest Channel / Full RB



Date: 11 JAN 2017 10:54:33