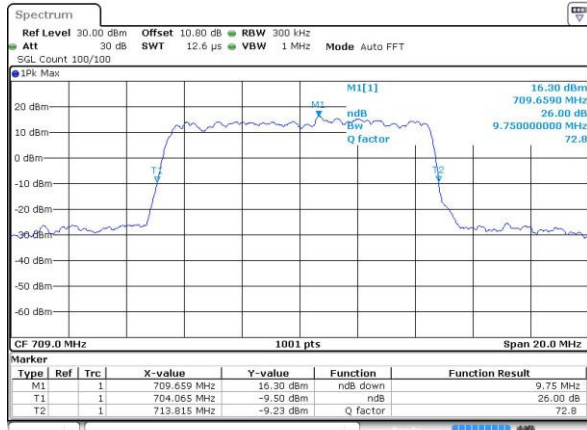


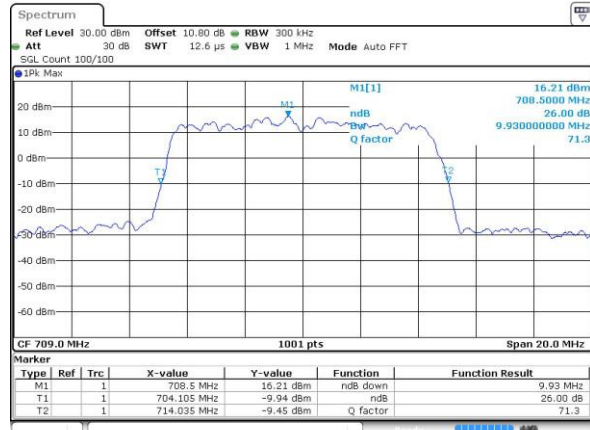


LTE Band 17

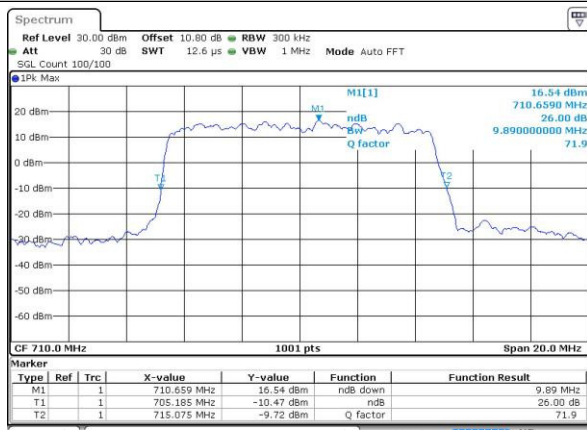
Lowest Channel / 10MHz / QPSK



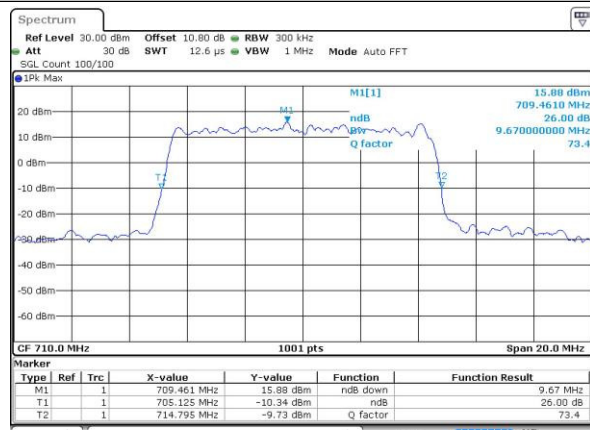
Lowest Channel / 10MHz / 16QAM



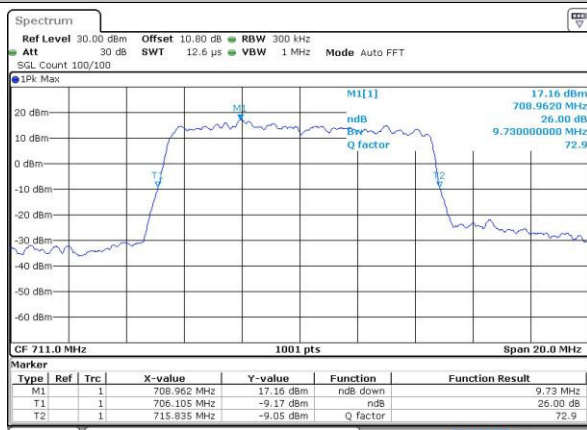
Middle Channel / 10MHz / QPSK



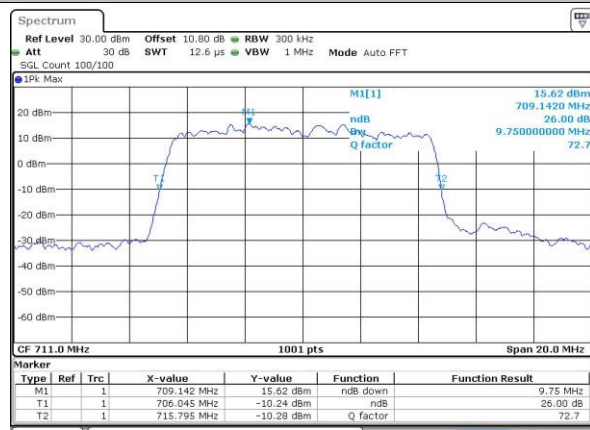
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM



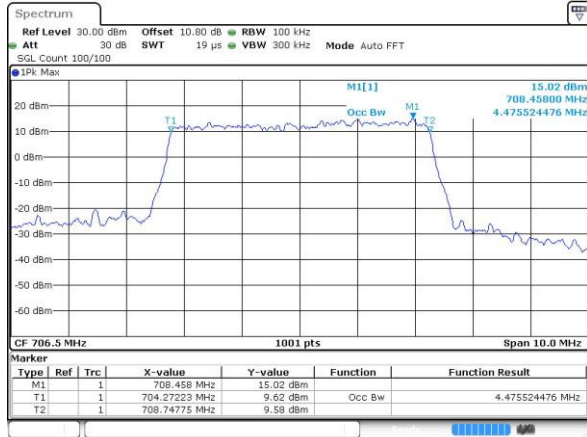
**Occupied Bandwidth**

Mode	LTE Band 17 : 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	4.47	9.01	8.97	-	-	-	-
Middle CH	-	-	-	-	4.49	4.48	8.97	8.97	-	-	-	-
Highest CH	-	-	-	-	4.5	4.49	9.01	8.97	-	-	-	-



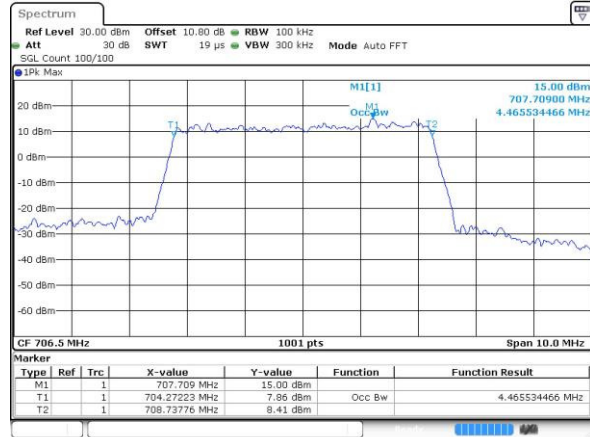
LTE Band 17

Lowest Channel / 5MHz / QPSK



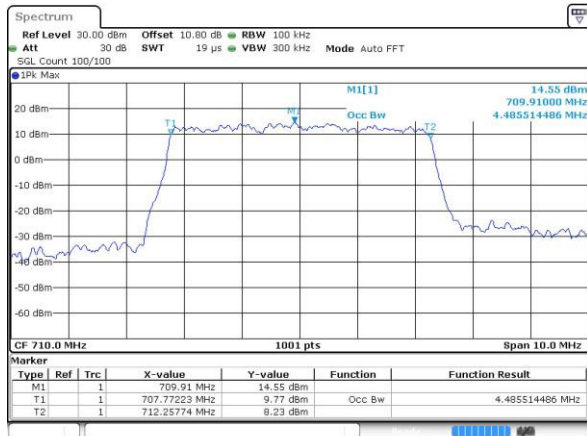
Date: 17 FEB 2017 17:54:15

Lowest Channel / 5MHz / 16QAM



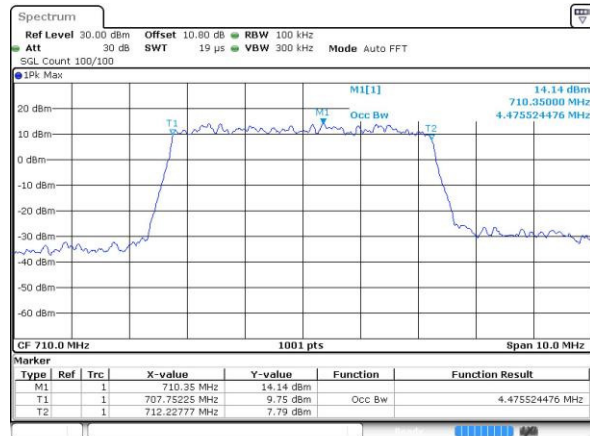
Date: 17 FEB 2017 17:54:26

Middle Channel / 5MHz / QPSK



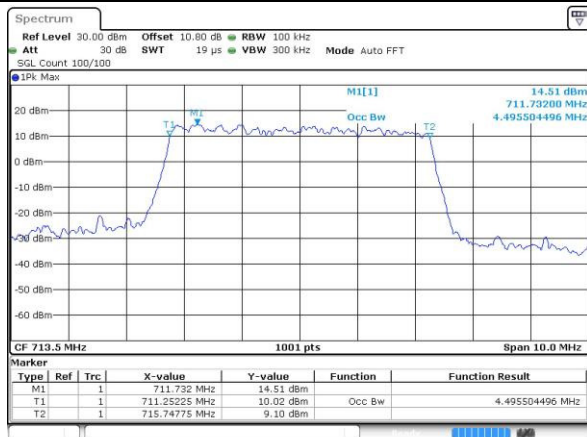
Date: 17 FEB 2017 18:01:21

Middle Channel / 5MHz / 16QAM



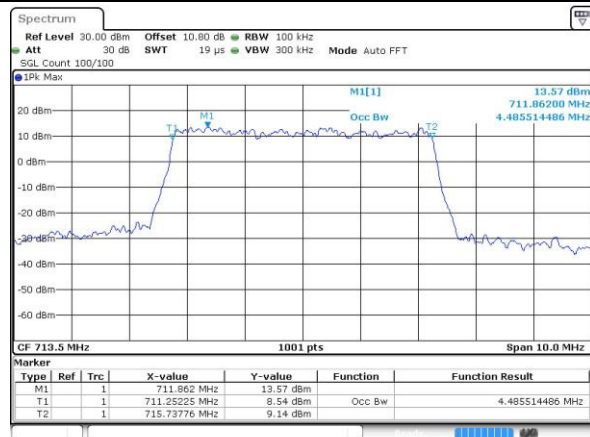
Date: 17 FEB 2017 18:01:31

Highest Channel / 5MHz / QPSK



Date: 17 FEB 2017 18:03:51

Highest Channel / 5MHz / 16QAM

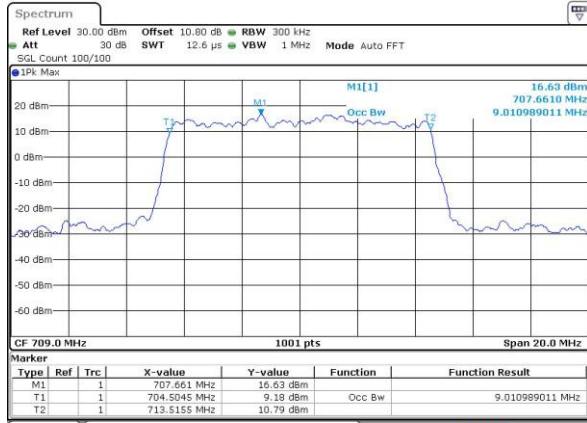


Date: 17 FEB 2017 18:04:01



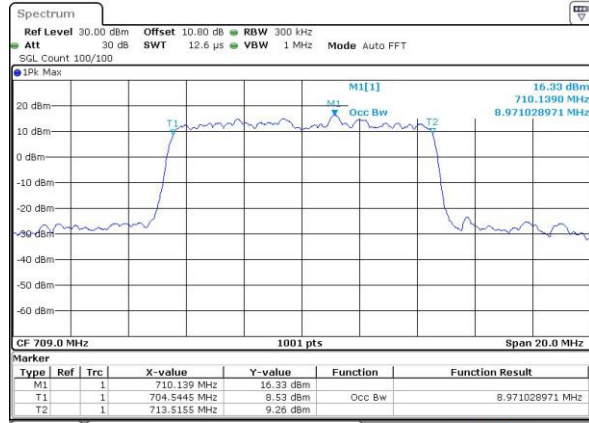
LTE Band 17

Lowest Channel / 10MHz / QPSK



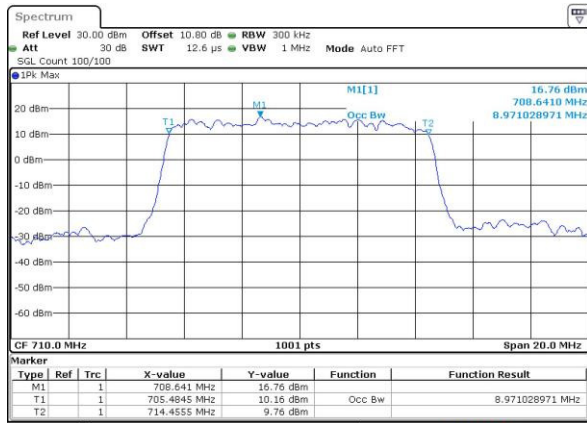
Date: 19 FEB 2017 01:54:07

Lowest Channel / 10MHz / 16QAM



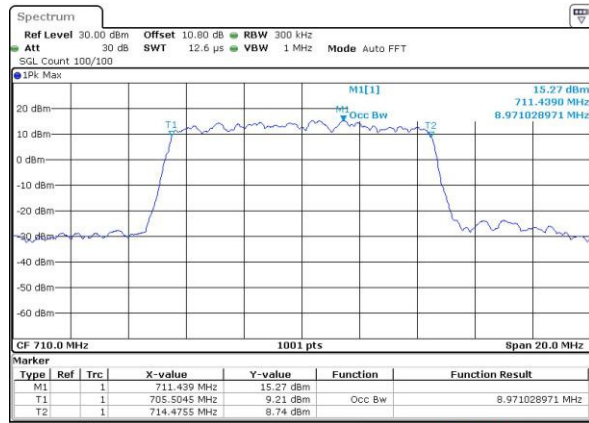
Date: 19 FEB 2017 01:54:18

Middle Channel / 10MHz / QPSK



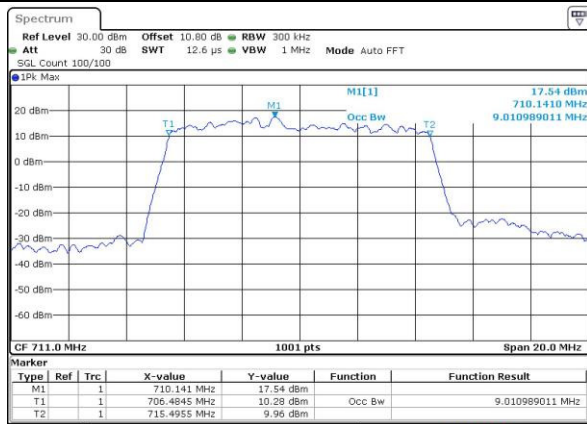
Date: 19 FEB 2017 02:01:14

Middle Channel / 10MHz / 16QAM



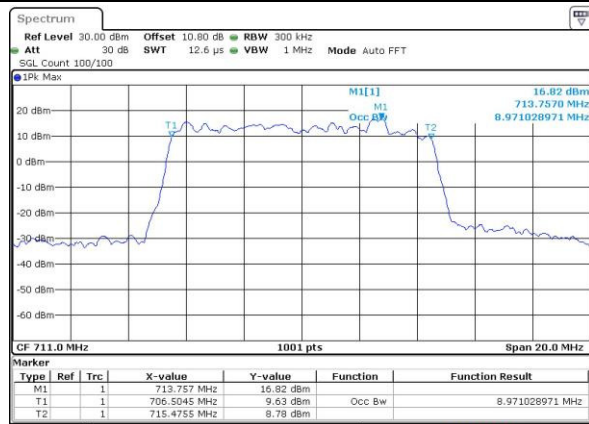
Date: 19 FEB 2017 02:01:24

Highest Channel / 10MHz / QPSK



Date: 19 FEB 2017 02:11:37

Highest Channel / 10MHz / 16QAM



Date: 19 FEB 2017 02:11:48

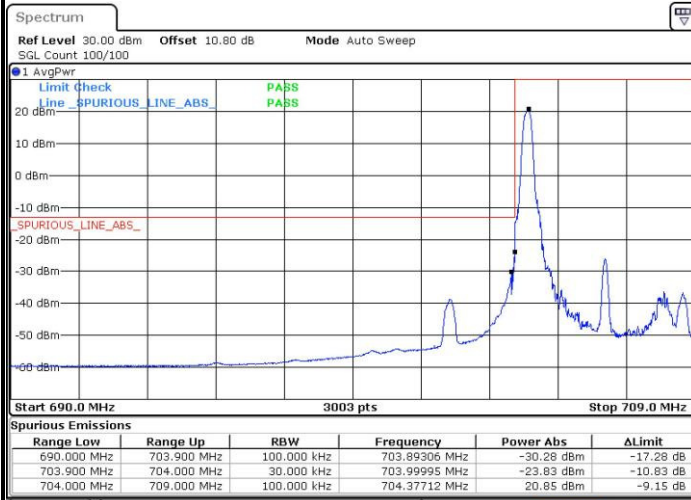


Conducted Band Edge

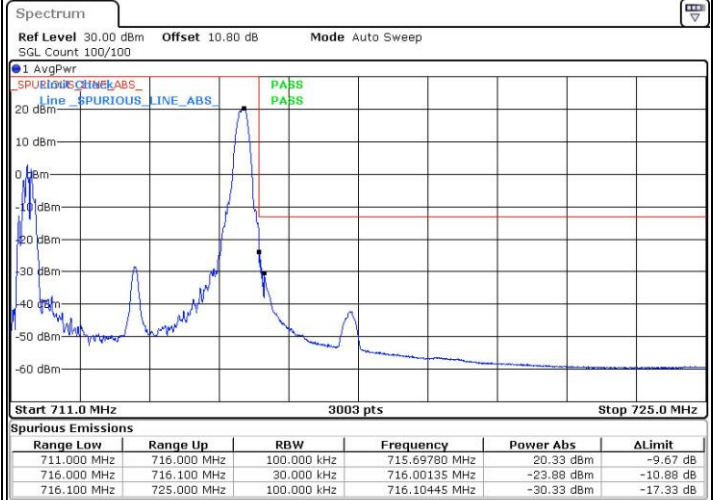


LTE Band 17 / 5MHz / QPSK

Lowest Band Edge / 1 RB



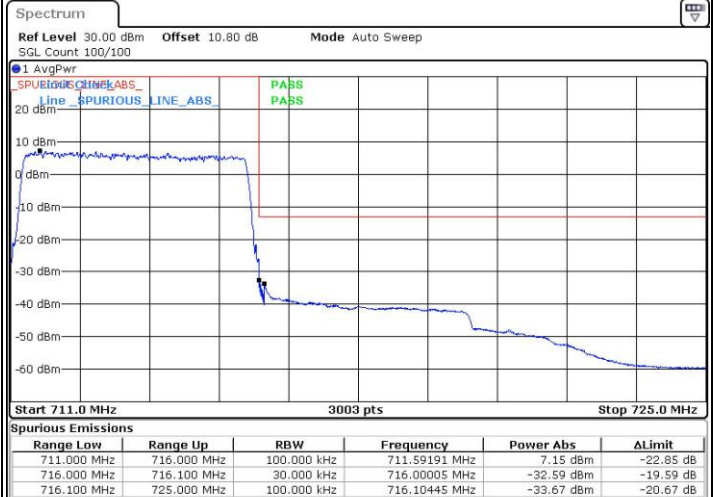
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



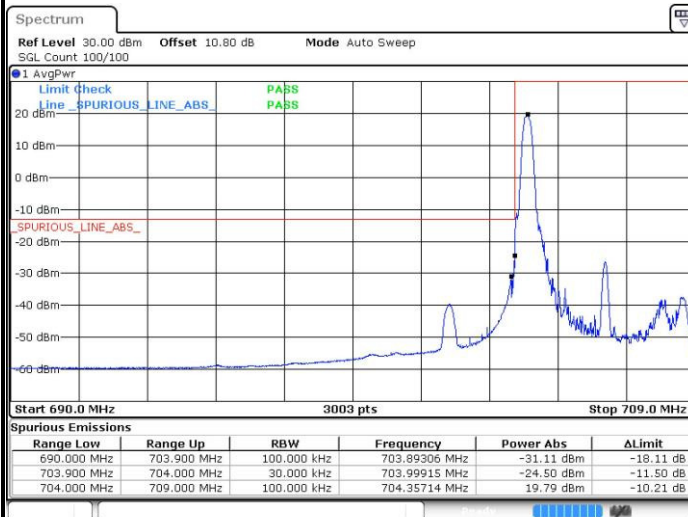
Highest Band Edge / Full RB



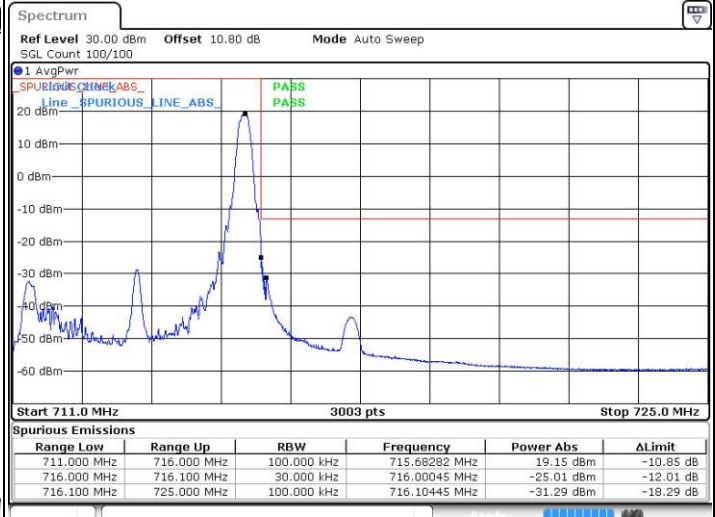


LTE Band 17 / 5MHz / 16QAM

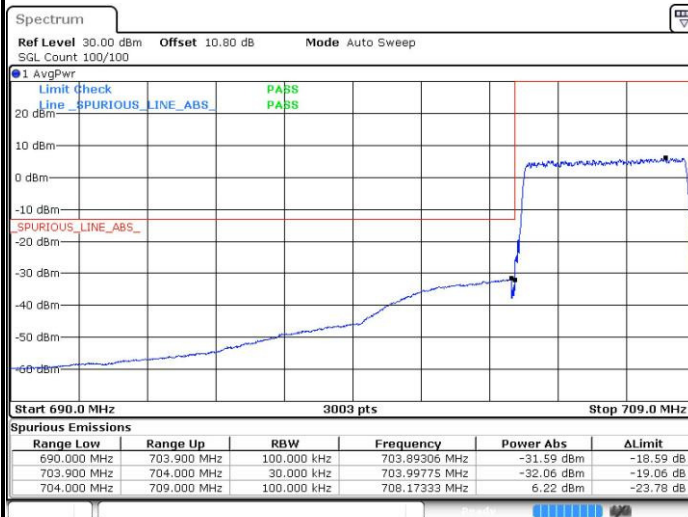
Lowest Band Edge / 1 RB



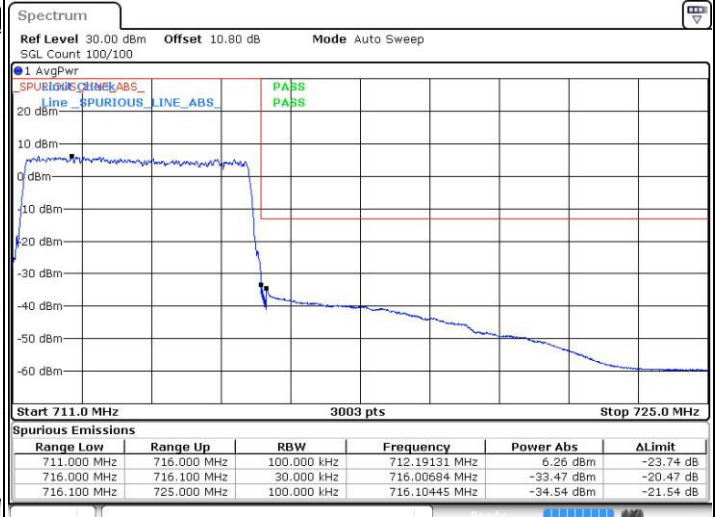
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



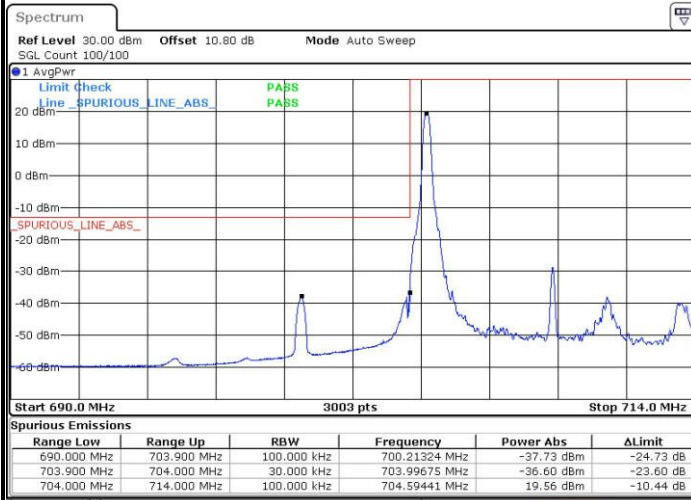
Highest Band Edge / Full RB



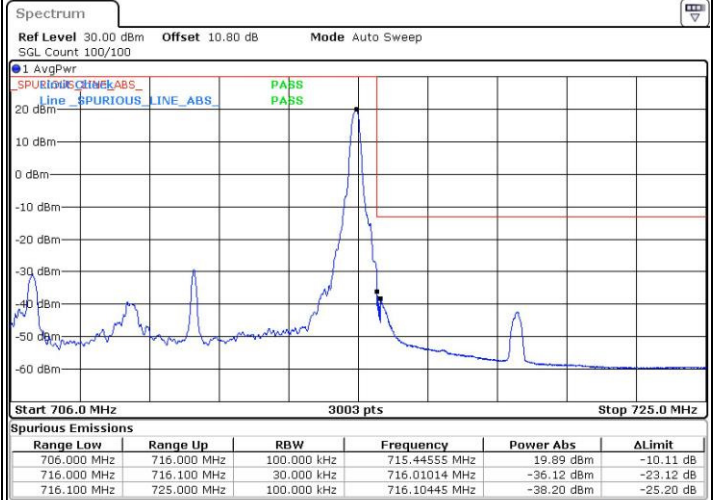


LTE Band 17 / 10MHz / QPSK

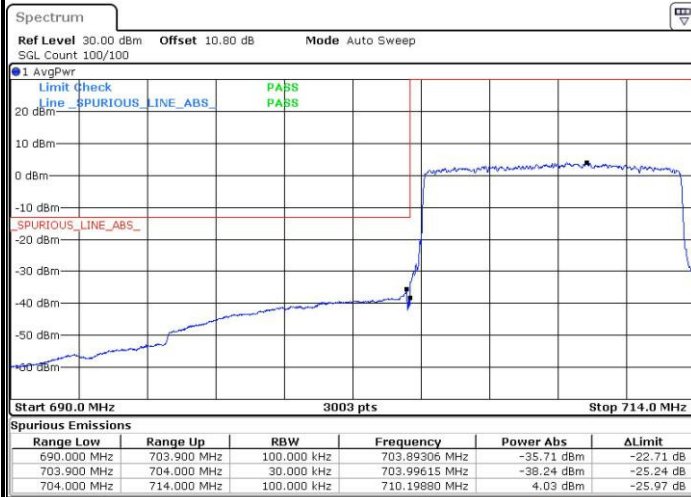
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



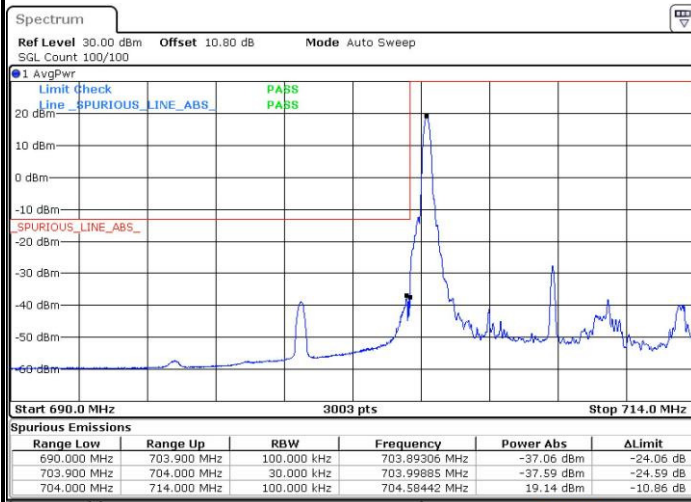
Highest Band Edge / Full RB



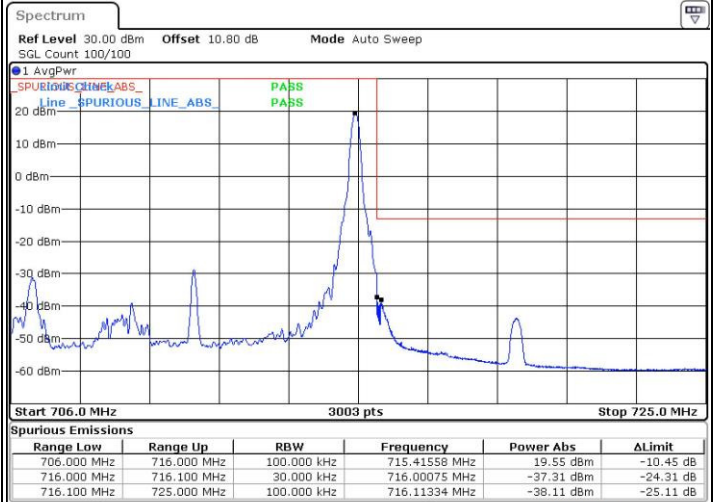


LTE Band 17 / 10MHz / 16QAM

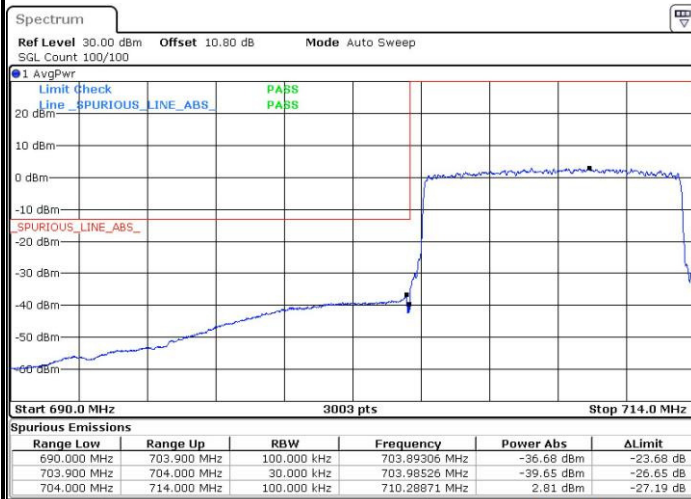
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



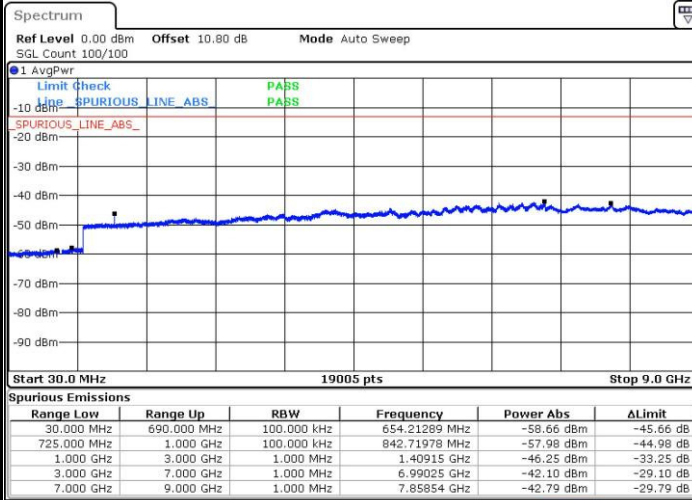


Conducted Spurious Emission



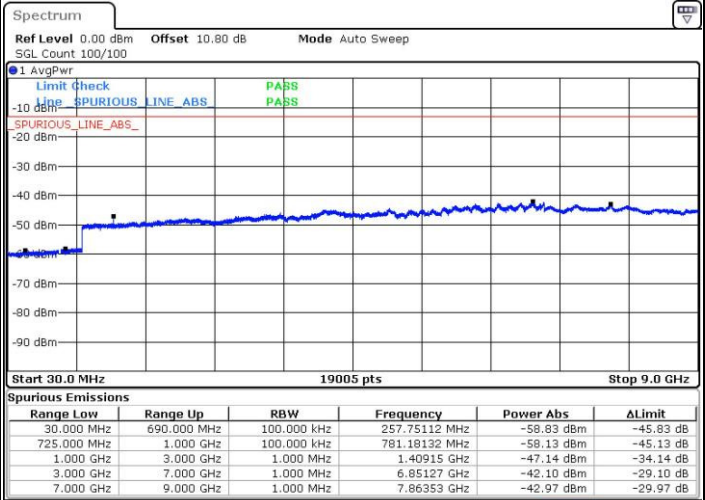
LTE Band 17 / 5MHz

Lowest Channel / QPSK



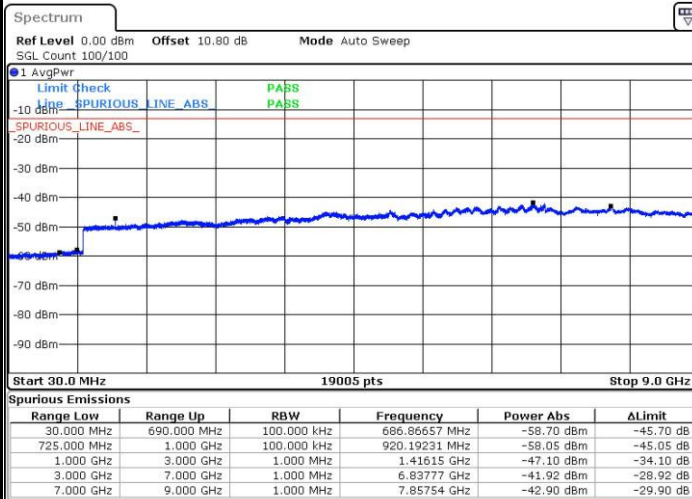
Date: 17.FEB.2017 18:00:17

Lowest Channel / 16QAM



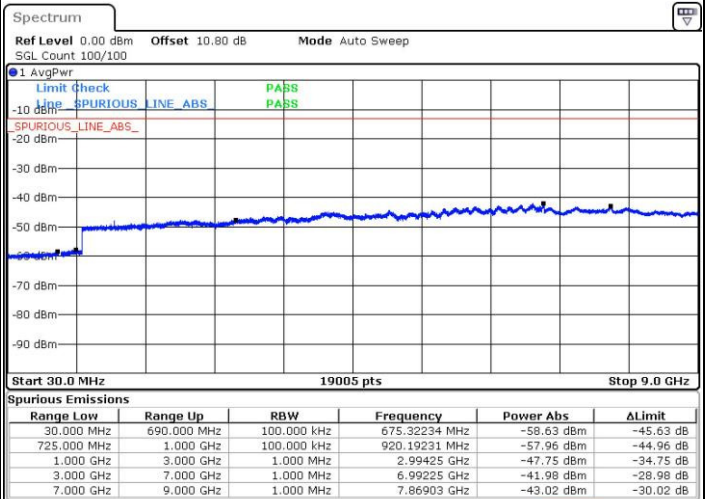
Date: 17.FEB.2017 18:01:11

Middle Channel / QPSK



Date: 17.FEB.2017 18:02:46

Middle Channel / 16QAM

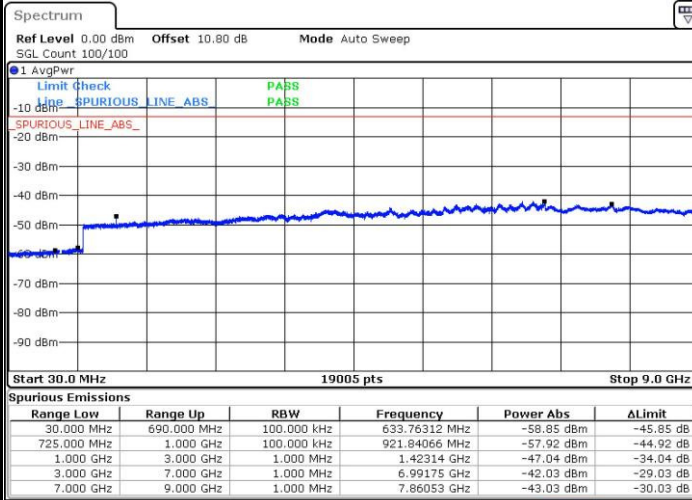


Date: 17.FEB.2017 18:03:40



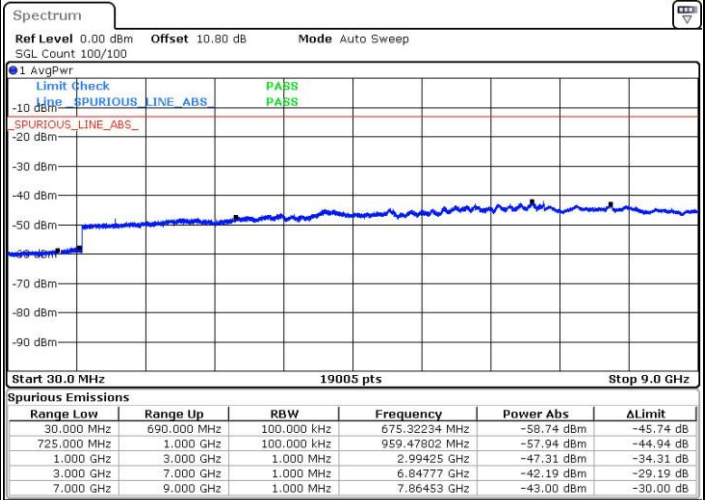
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 17.FEB.2017 18:09:52

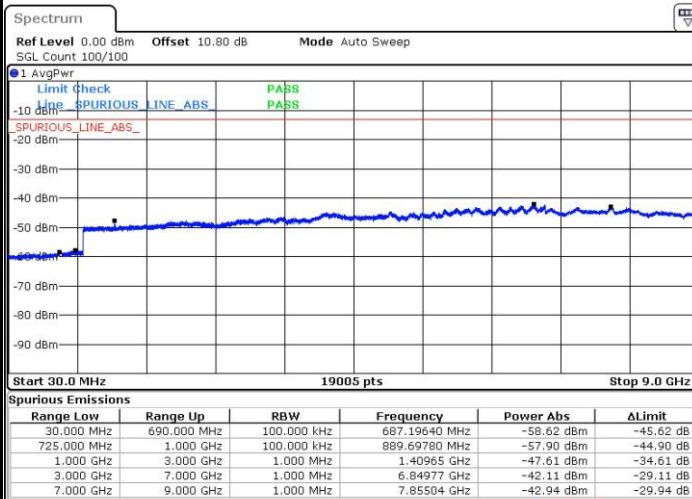
Highest Channel / 16QAM



Date: 17.FEB.2017 18:10:47

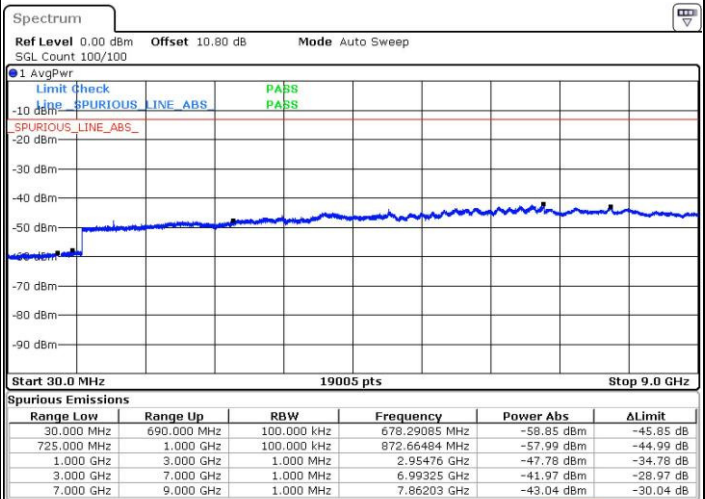
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 19.FEB.2017 02:00:09

Lowest Channel / 16QAM

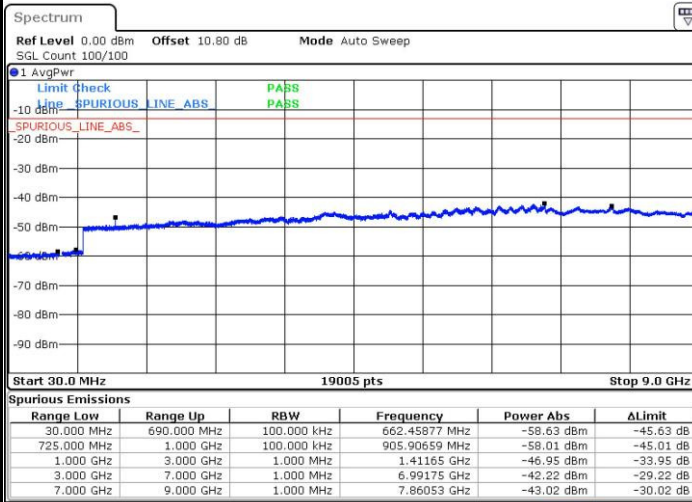


Date: 19.FEB.2017 02:01:03



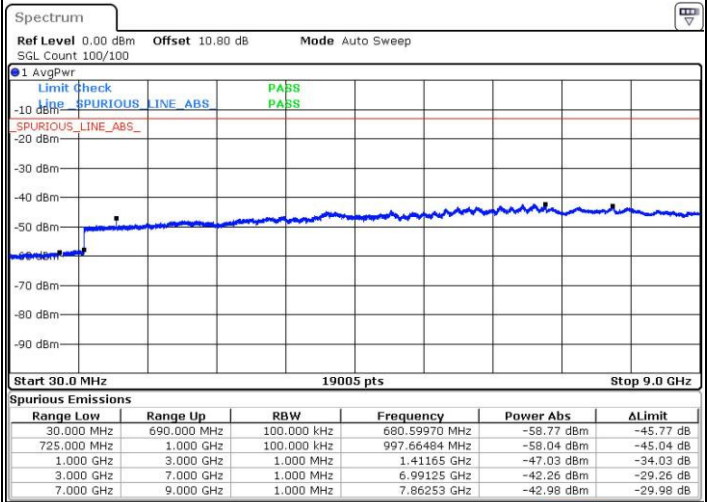
LTE Band 17 / 10MHz

Middle Channel / QPSK



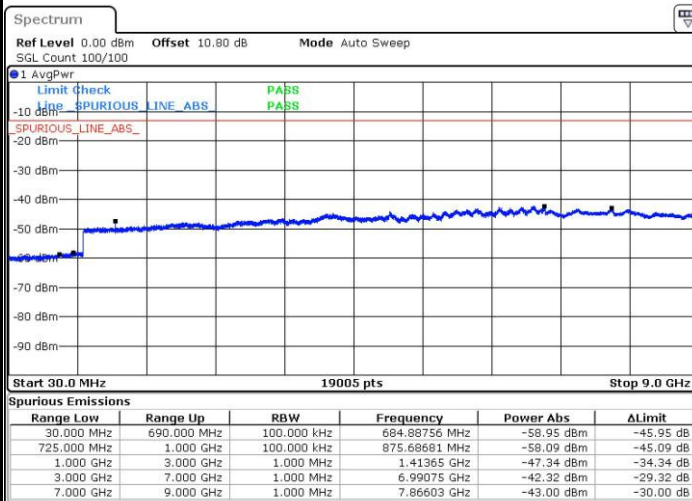
Date: 19 FEB 2017 02:02:39

Middle Channel / 16QAM



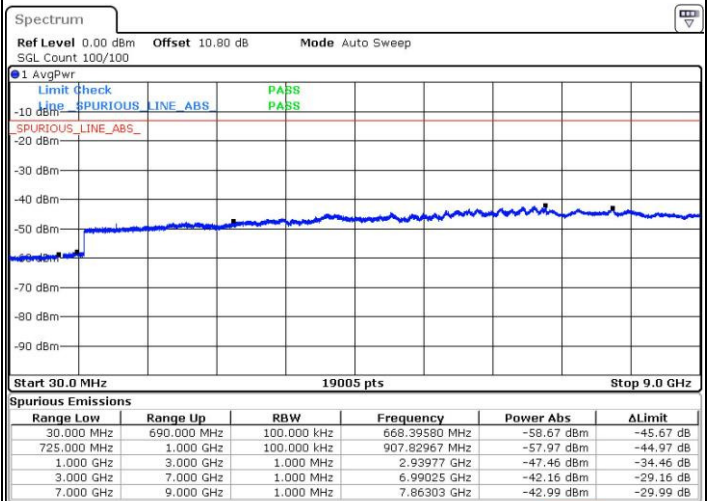
Date: 19 FEB 2017 02:11:27

Highest Channel / QPSK



Date: 19 FEB 2017 02:17:39

Highest Channel / 16QAM



Date: 19 FEB 2017 02:18:33

Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0020	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0051	
-10	Normal Voltage	0.0090	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0101	

Note:

1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 25

Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	-	-	-	-	
Highest CH	4.35	4.87	4.84	5.83	



LTE Band 25 / 20MHz / QPSK

Highest Channel / 1RB



Date: 20 FEB 2017 19:07:50

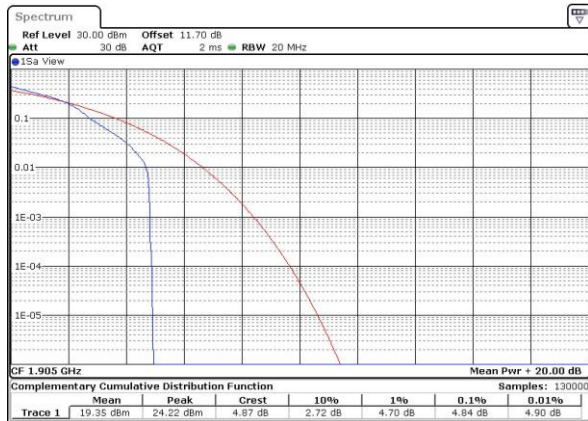
Highest Channel / Full RB



Date: 20 FEB 2017 19:08:01

LTE Band 25 / 20MHz / 16QAM

Highest Channel / 1RB



Date: 20 FEB 2017 19:07:29

Highest Channel / Full RB



Date: 20 FEB 2017 19:07:39

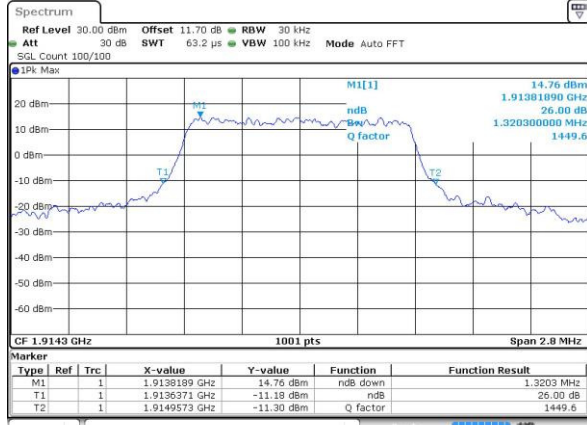
**26dB Bandwidth**

Mode	LTE Band 25 : 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	-	-	-	-	-	-	-	-	-	-	-	-
Middle CH	-	-	-	-	-	-	-	-	-	-	-	-
Highest CH	1.32	1.29	3.06	2.99	5.01	4.92	9.81	9.69	14.45	14.81	20.26	20.22



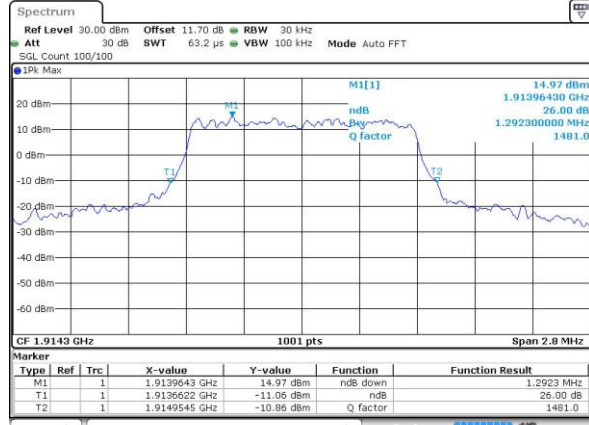
LTE Band 25

Highest Channel / 1.4MHz / QPSK



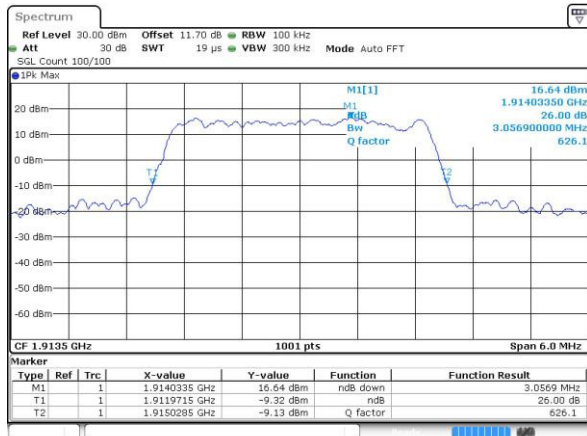
Date: 20 FEB 2017 18:32:36

Highest Channel / 1.4MHz / 16QAM



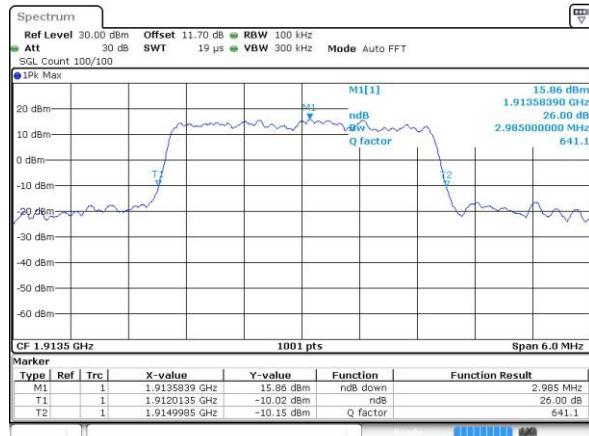
Date: 20 FEB 2017 18:32:26

Highest Channel / 3MHz / QPSK



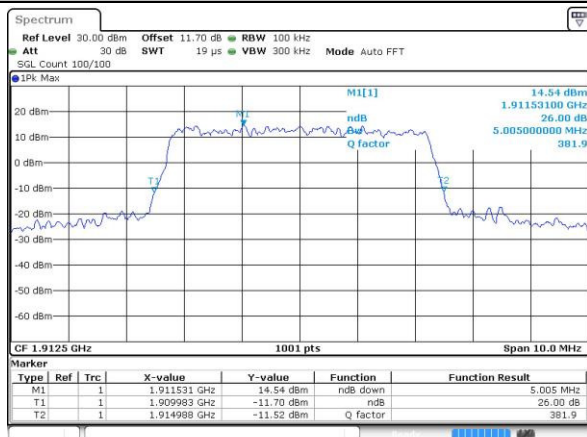
Date: 20 FEB 2017 17:56:59

Highest Channel / 3MHz / 16QAM



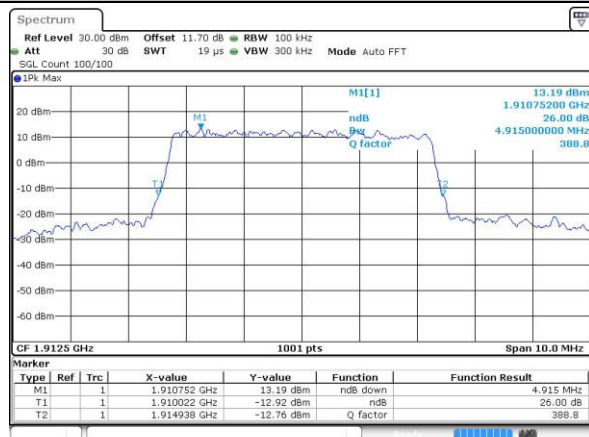
Date: 20 FEB 2017 17:56:48

Highest Channel / 5MHz / QPSK



Date: 20 FEB 2017 18:04:06

Highest Channel / 5MHz / 16QAM

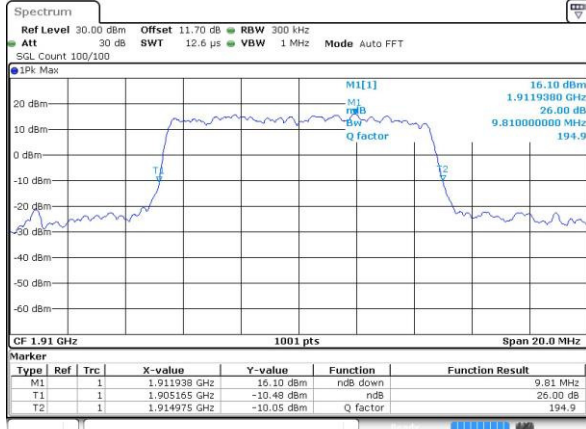


Date: 20 FEB 2017 18:03:56



LTE Band 25

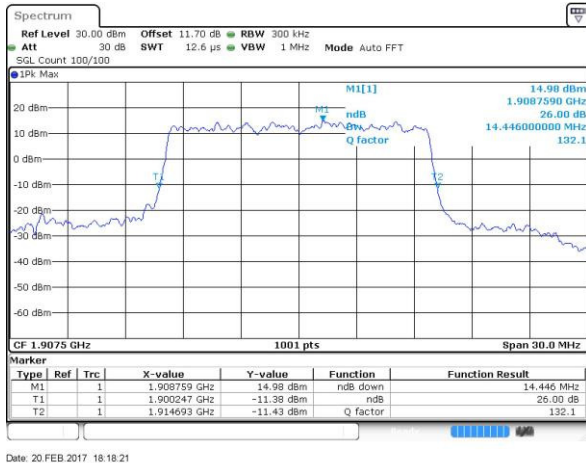
Highest Channel / 10MHz / QPSK



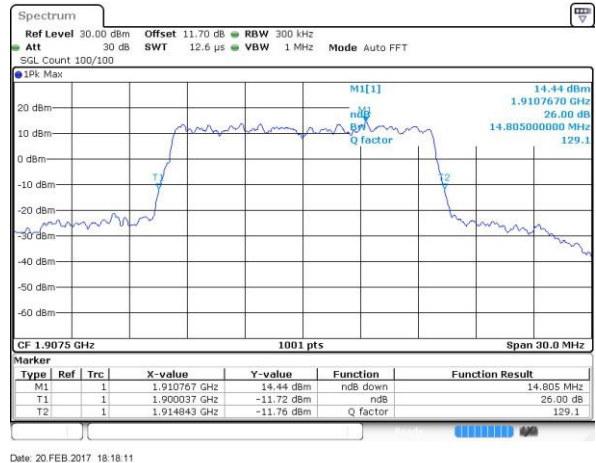
Highest Channel / 10MHz / 16QAM



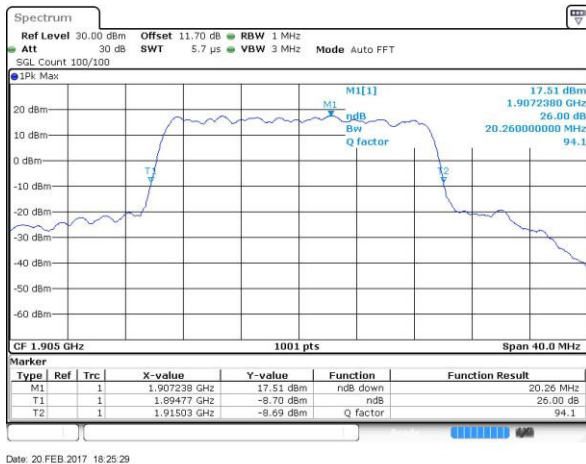
Highest Channel / 15MHz / QPSK



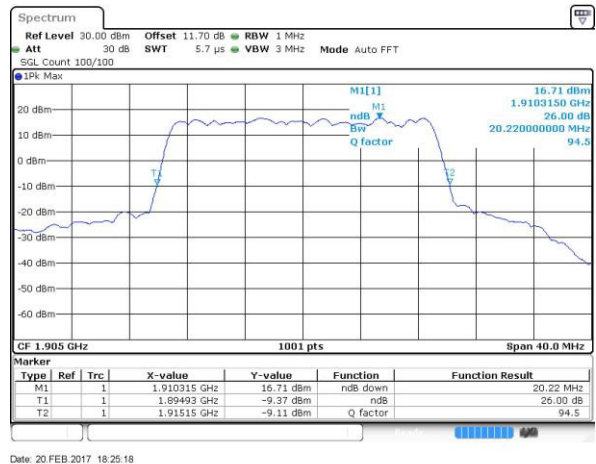
Highest Channel / 15MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



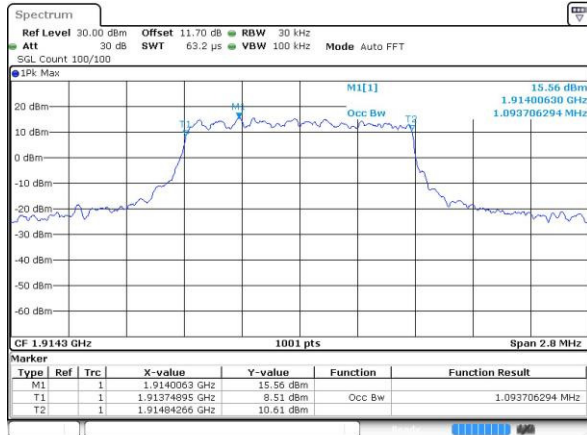
**Occupied Bandwidth**

Mode	LTE Band 25 : 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	-	-	-	-	-	-	-	-	-	-	-	-
Middle CH	-	-	-	-	-	-	-	-	-	-	-	-
Highest CH	1.09	1.1	2.72	2.71	4.5	4.48	9.01	8.97	13.43	13.49	18.62	18.46

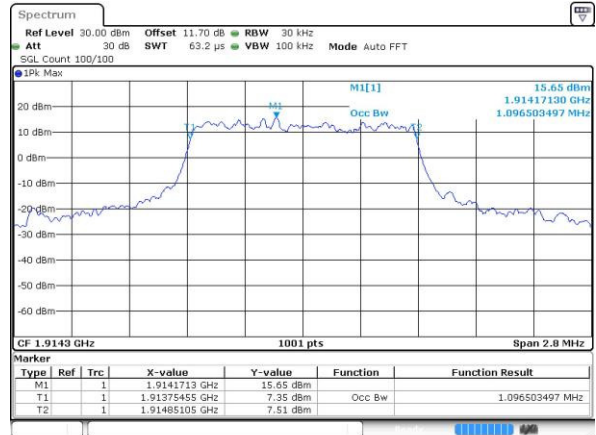


LTE Band 25

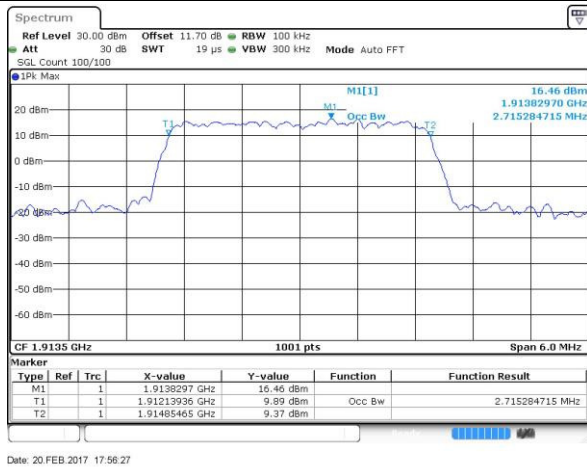
Highest Channel / 1.4MHz / QPSK



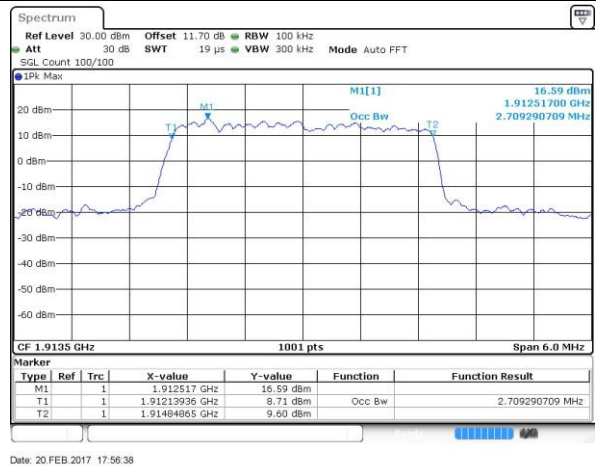
Highest Channel / 1.4MHz / 16QAM



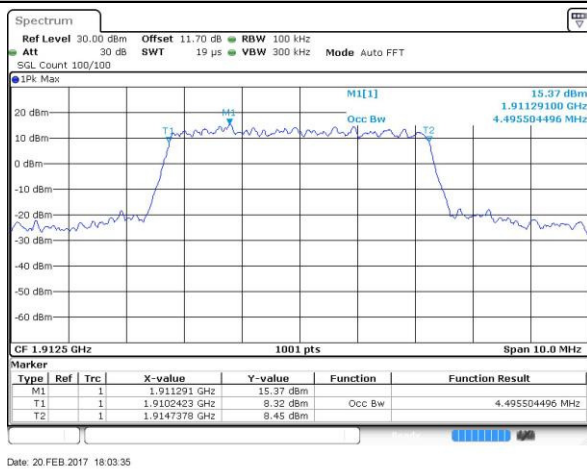
Highest Channel / 3MHz / QPSK



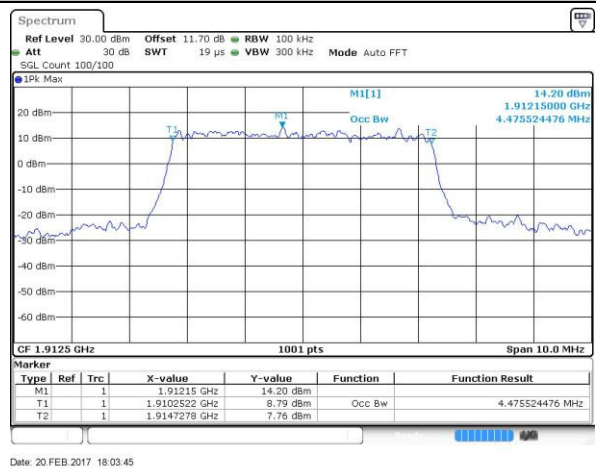
Highest Channel / 3MHz / 16QAM



Highest Channel / 5MHz / QPSK



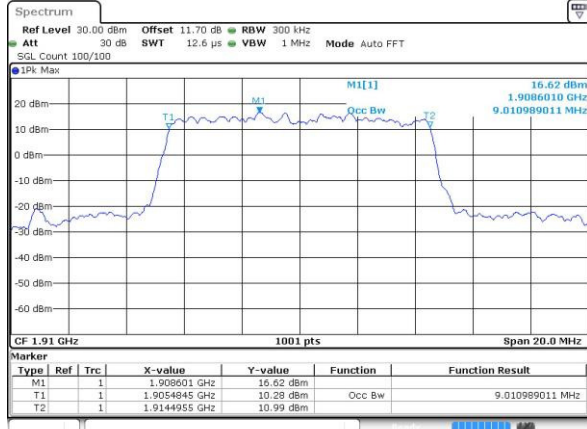
Highest Channel / 5MHz / 16QAM





LTE Band 25

Highest Channel / 10MHz / QPSK



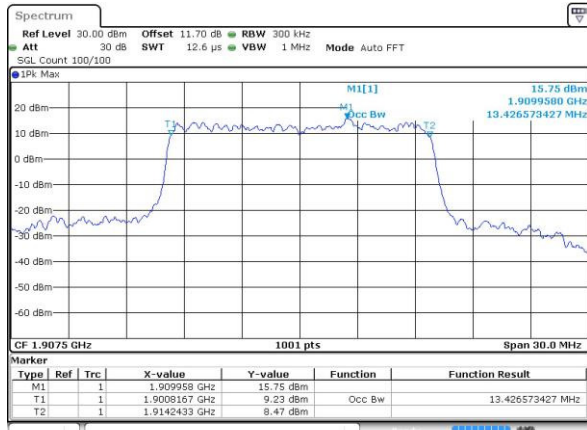
Date: 20 FEB 2017 18:10:42

Highest Channel / 10MHz / 16QAM



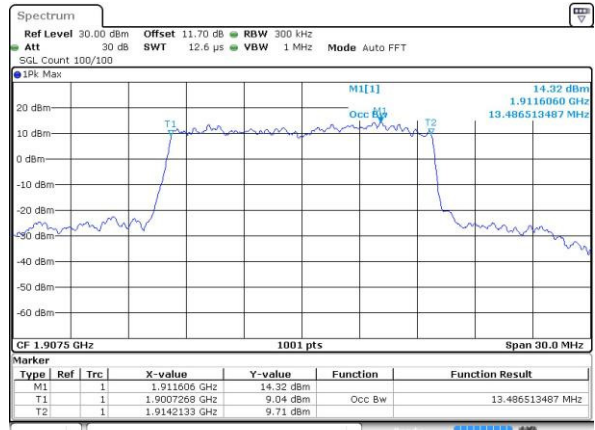
Date: 20 FEB 2017 18:10:53

Highest Channel / 15MHz / QPSK



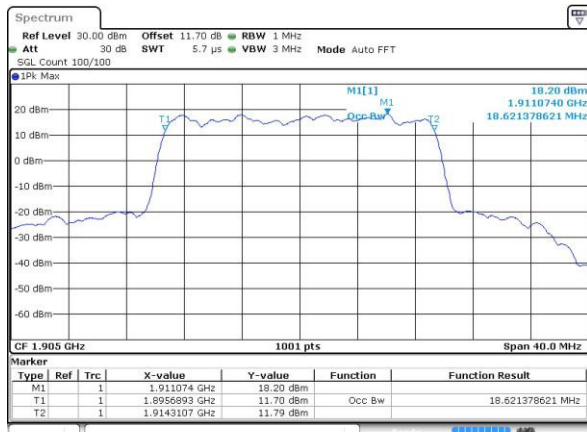
Date: 20 FEB 2017 18:17:50

Highest Channel / 15MHz / 16QAM



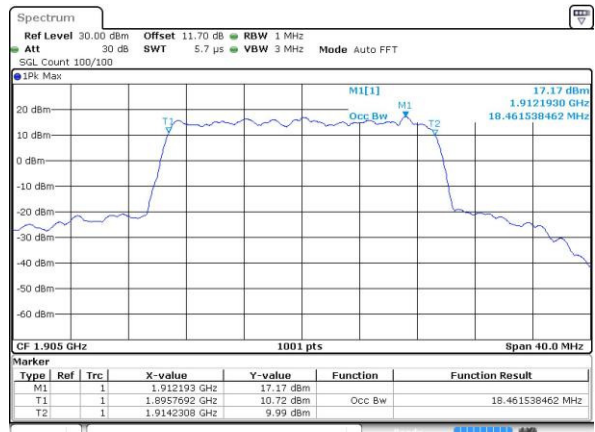
Date: 20 FEB 2017 18:18:00

Highest Channel / 20MHz / QPSK



Date: 20 FEB 2017 18:24:58

Highest Channel / 20MHz / 16QAM



Date: 20 FEB 2017 18:25:08

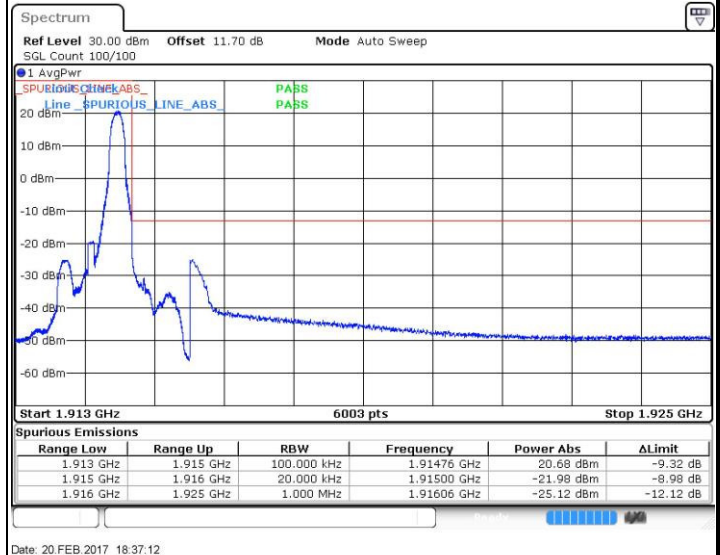


Conducted Band Edge

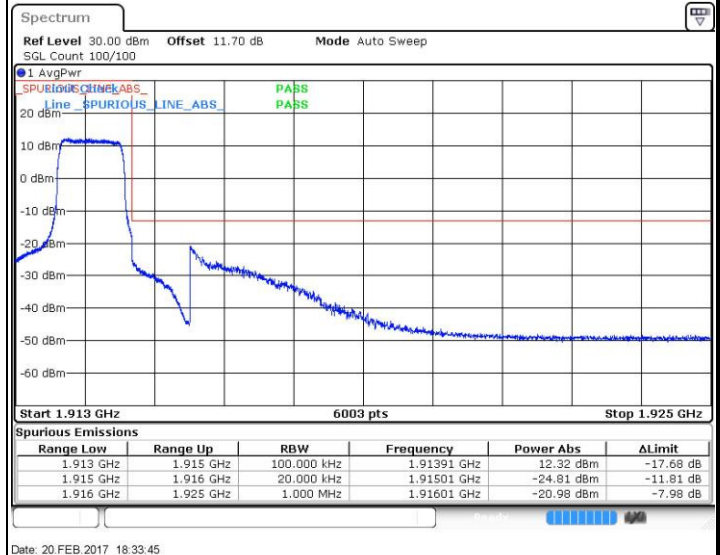


LTE Band 25 / 1.4MHz / QPSK

Highest Band Edge / 1RB



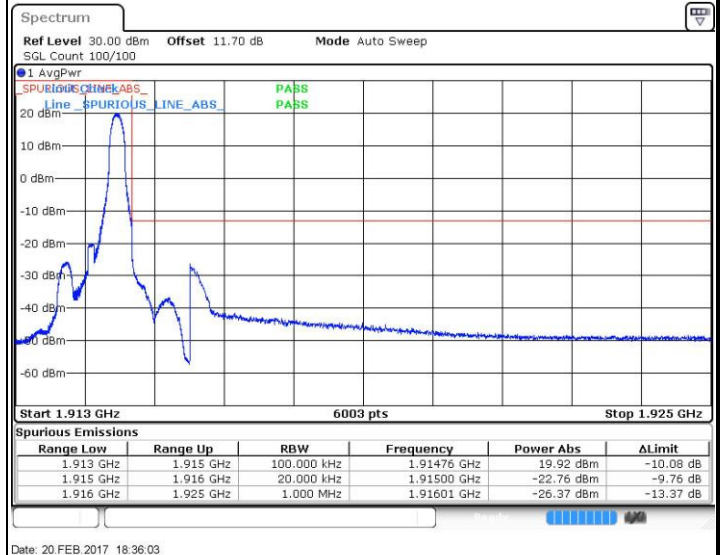
Highest Band Edge / Full RB



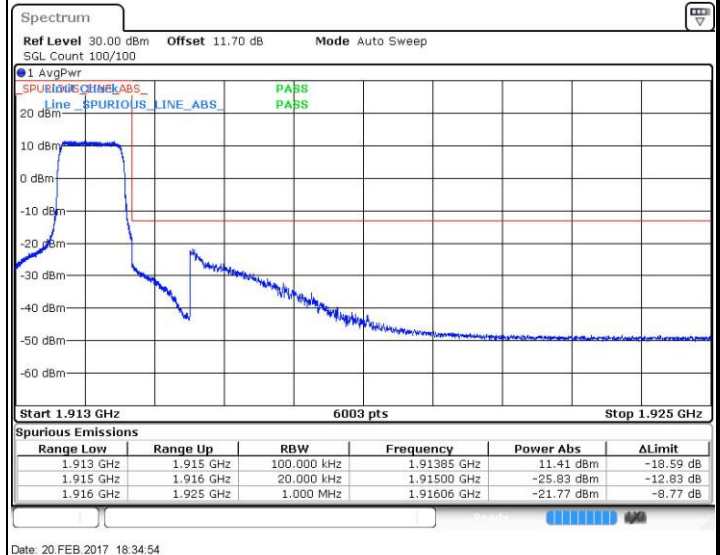


LTE Band 25 / 1.4MHz / 16QAM

Highest Band Edge / 1 RB



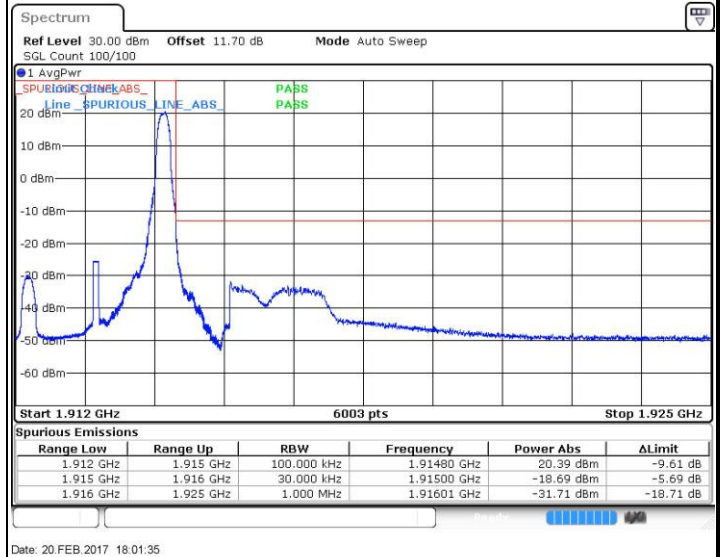
Highest Band Edge / Full RB



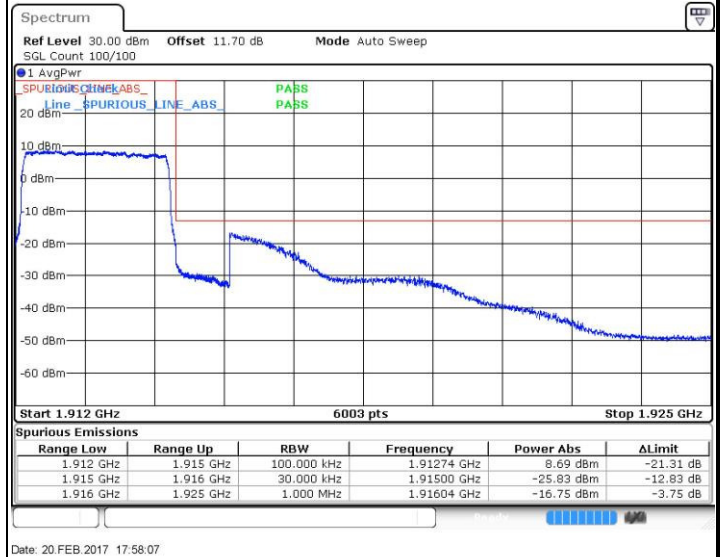


LTE Band 25 / 3MHz / QPSK

Highest Band Edge / 1 RB



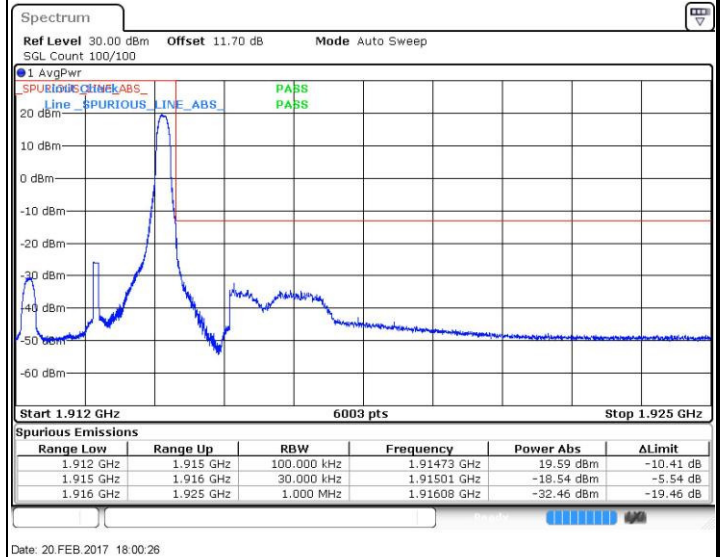
Highest Band Edge / Full RB



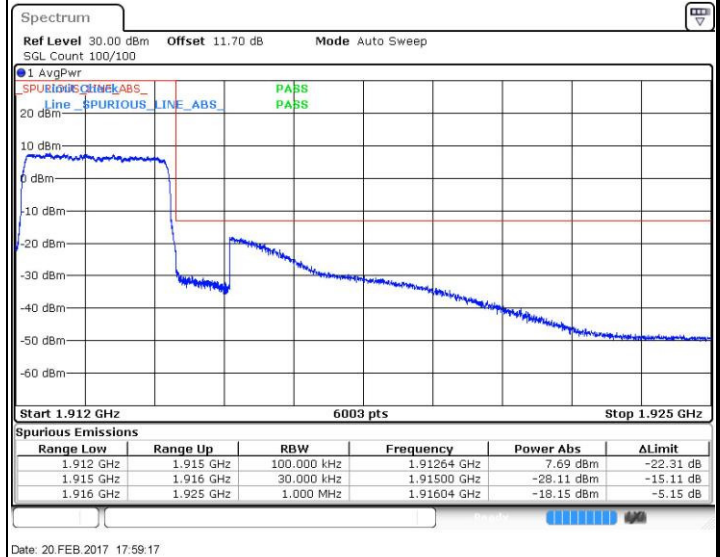


LTE Band 25 / 3MHz / 16QAM

Highest Band Edge / 1 RB



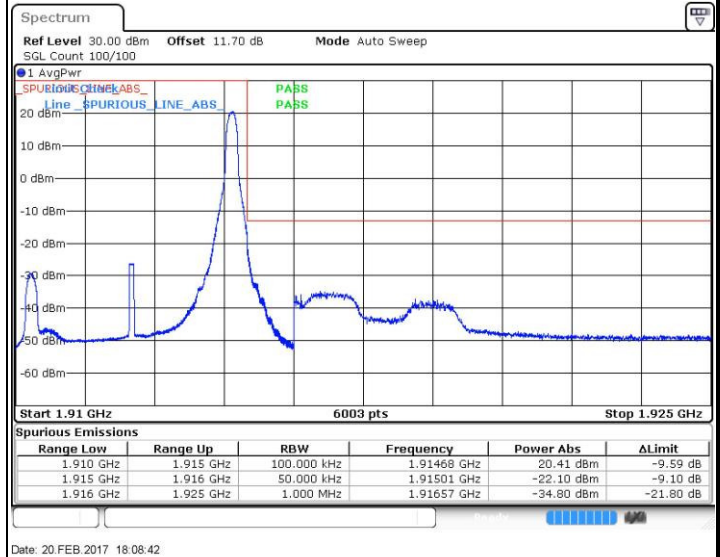
Highest Band Edge / Full RB





LTE Band 25 / 5MHz / QPSK

Highest Band Edge / 1 RB



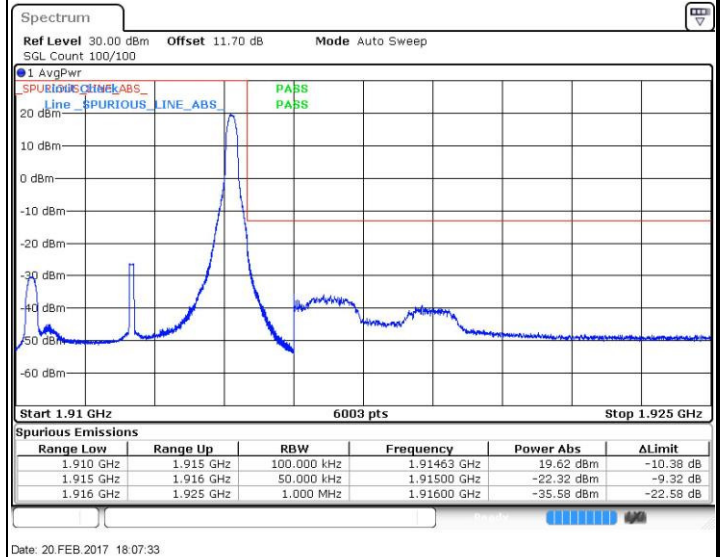
Highest Band Edge / Full RB





LTE Band 25 / 5MHz / 16QAM

Highest Band Edge / 1 RB



Highest Band Edge / Full RB

