



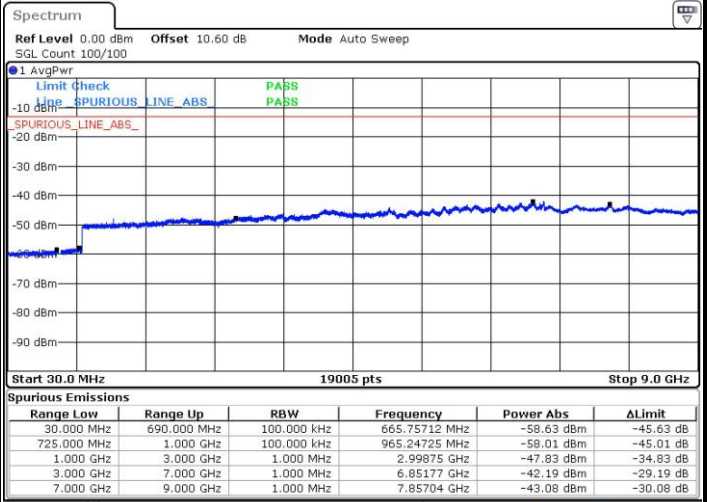
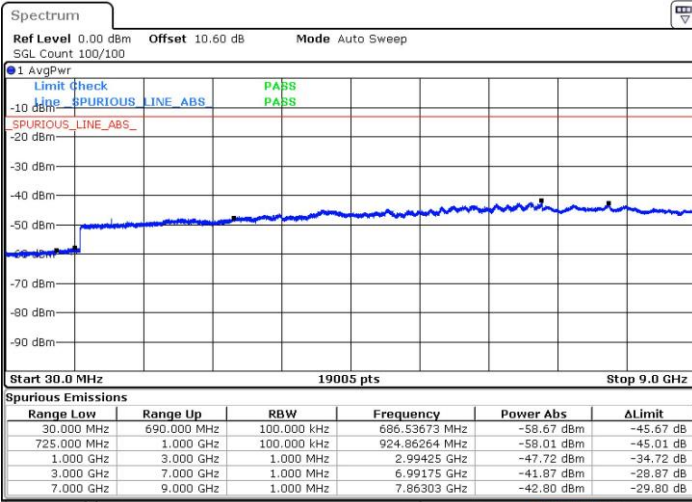
**Conducted Spurious Emission**



LTE Band 17 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

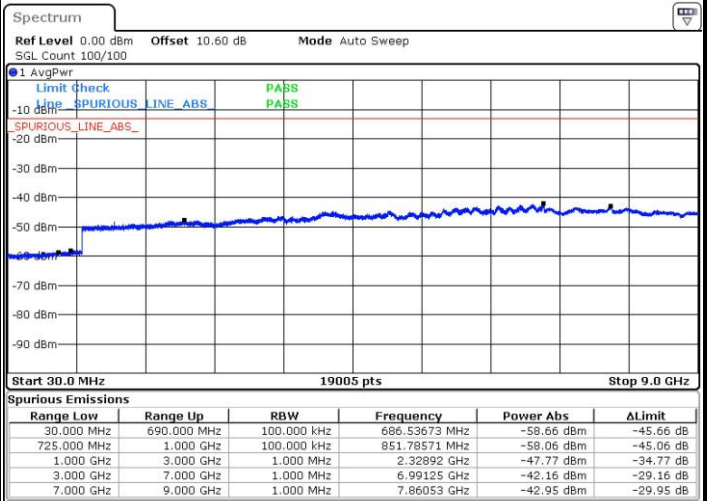
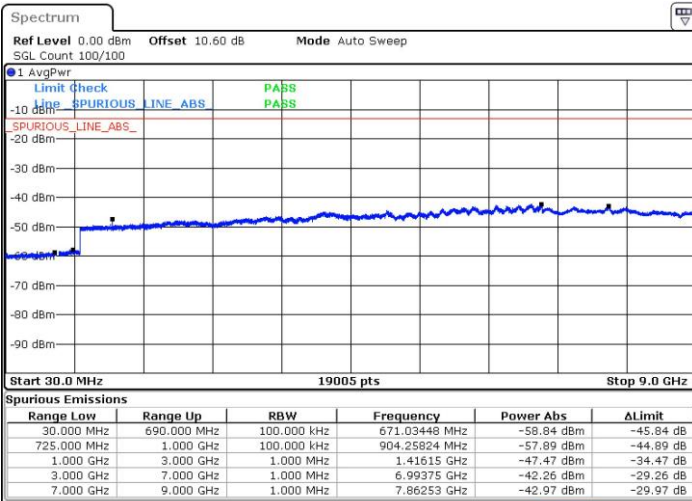


Date: 5 APR 2017 23:18:52

Date: 5 APR 2017 23:19:46

Middle Channel / QPSK

Middle Channel / 16QAM



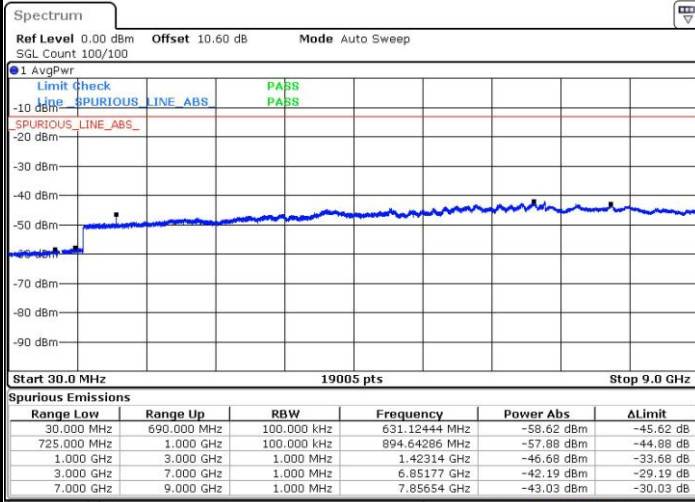
Date: 5 APR 2017 23:21:22

Date: 5 APR 2017 23:22:16



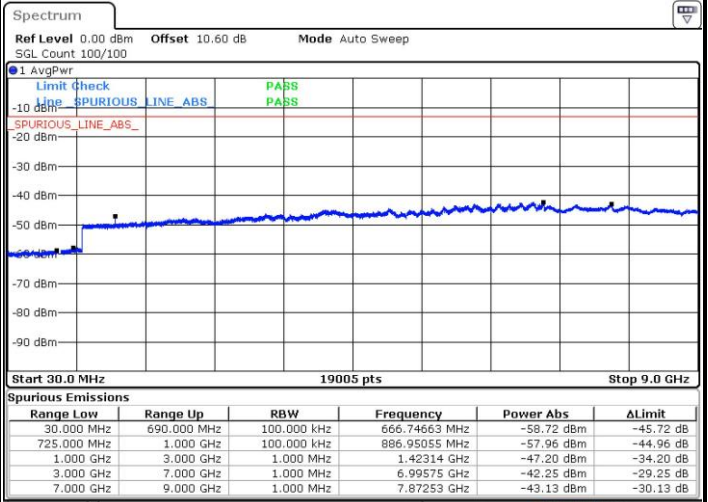
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 5 APR 2017 23:28:28

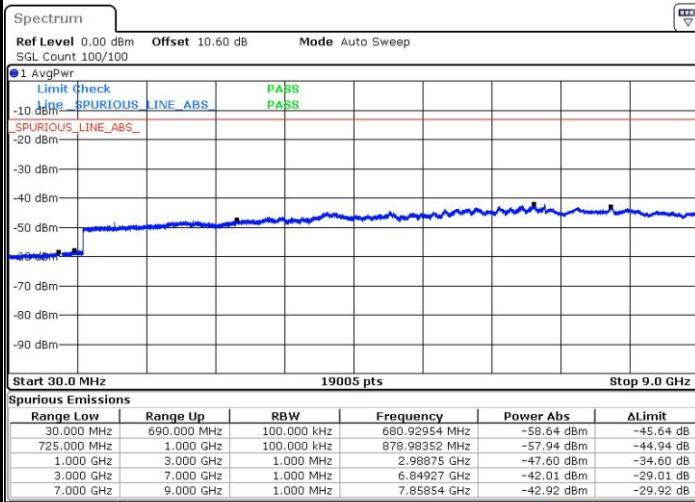
Highest Channel / 16QAM



Date: 5 APR 2017 23:29:22

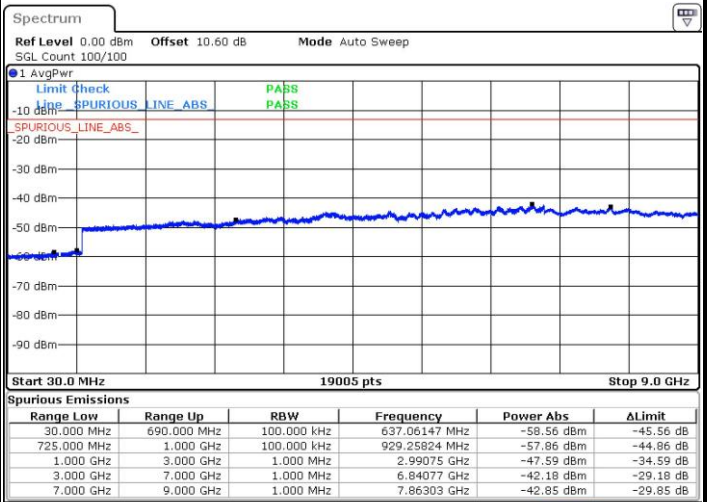
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 5 APR 2017 23:35:34

Lowest Channel / 16QAM

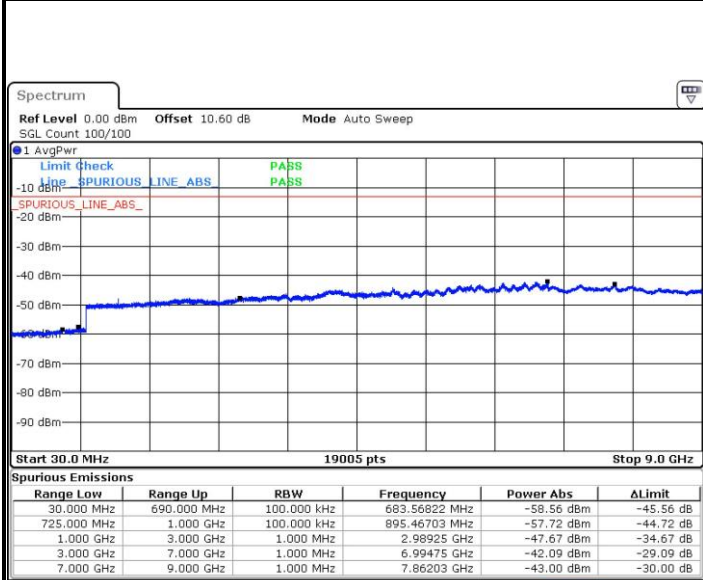


Date: 5 APR 2017 23:36:28



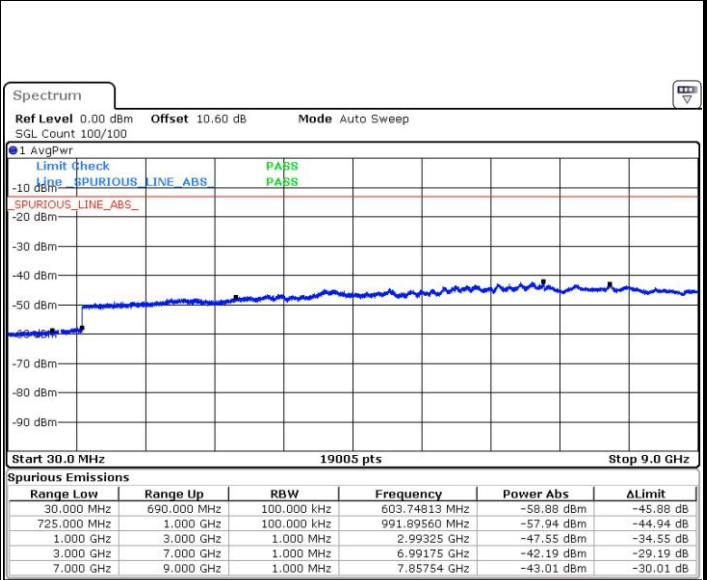
LTE Band 17 / 10MHz

Middle Channel / QPSK



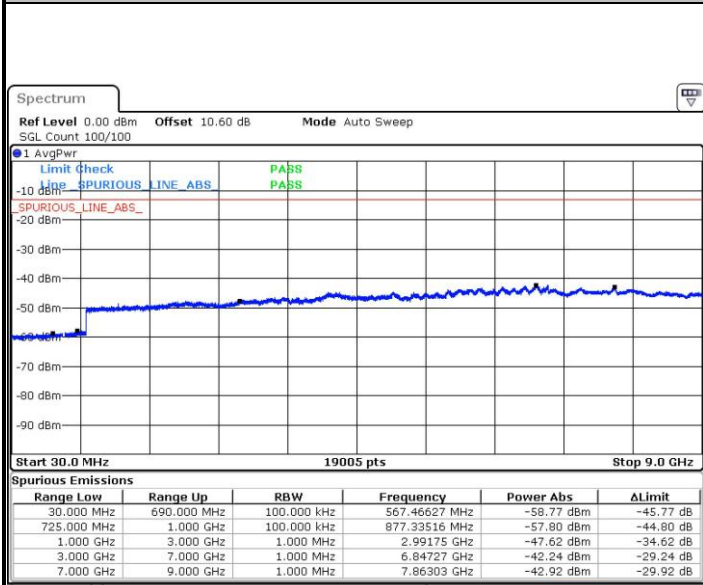
Date: 5 APR 2017 23:38:04

Middle Channel / 16QAM



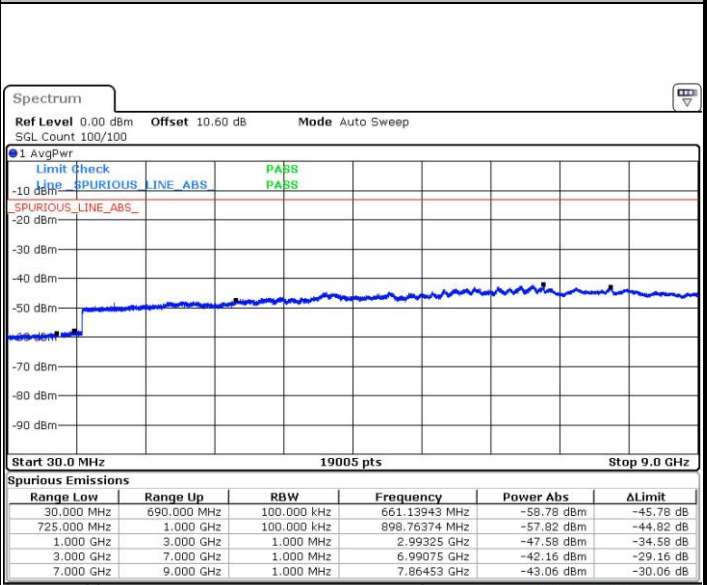
Date: 5 APR 2017 23:38:58

Highest Channel / QPSK



Date: 5 APR 2017 23:45:10

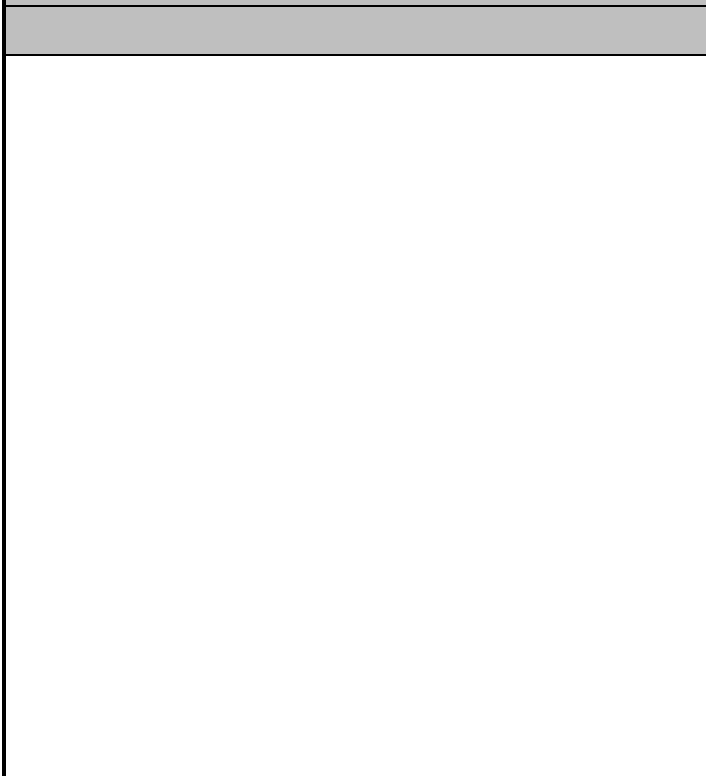
Highest Channel / 16QAM



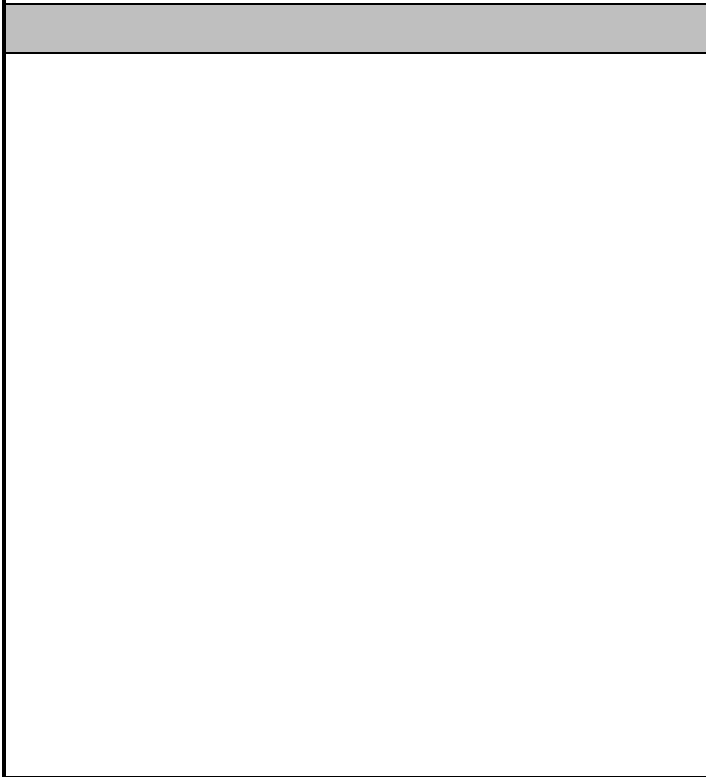
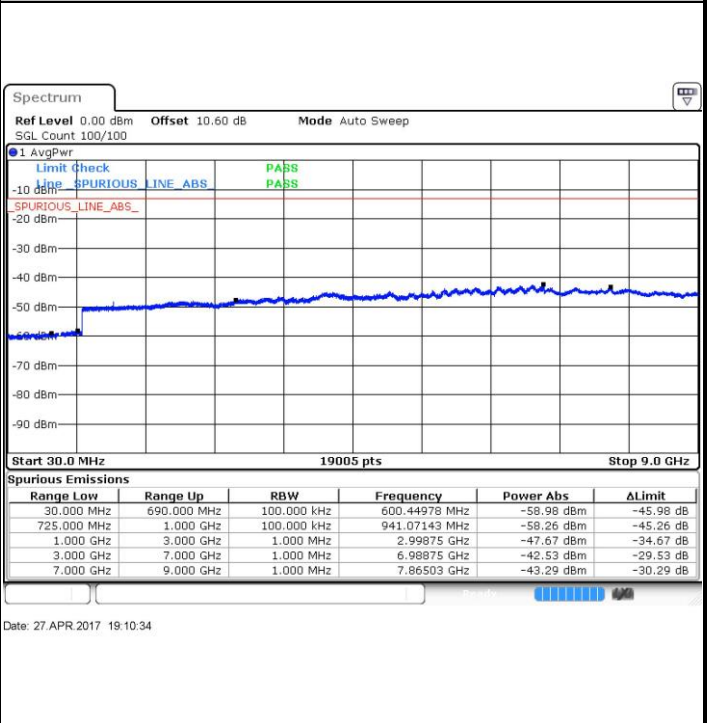
Date: 5 APR 2017 23:46:04



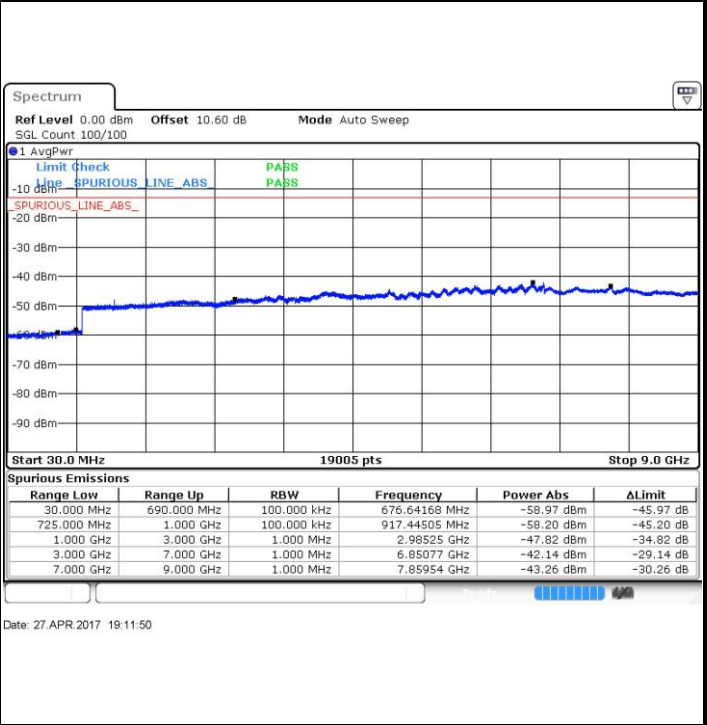
**LTE Band 17 / 5MHz**



**Lowest Channel / 64QAM**



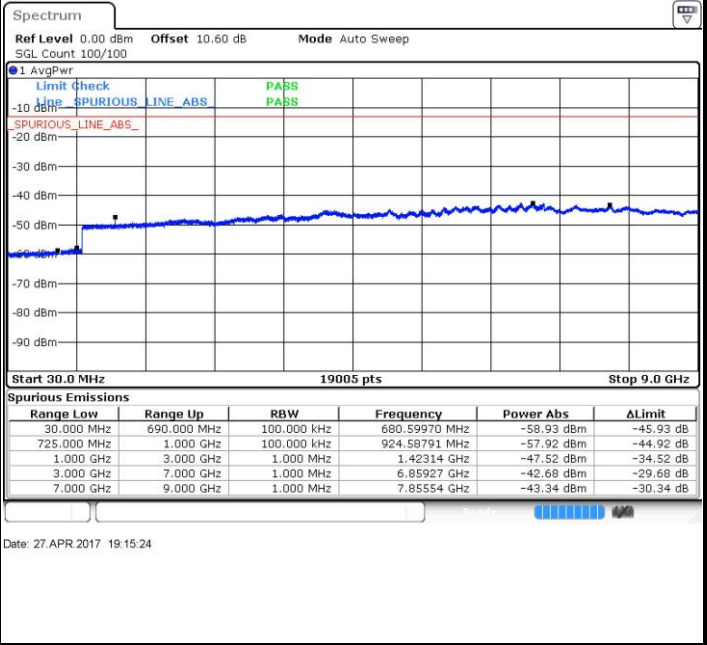
**Middle Channel / 64QAM**





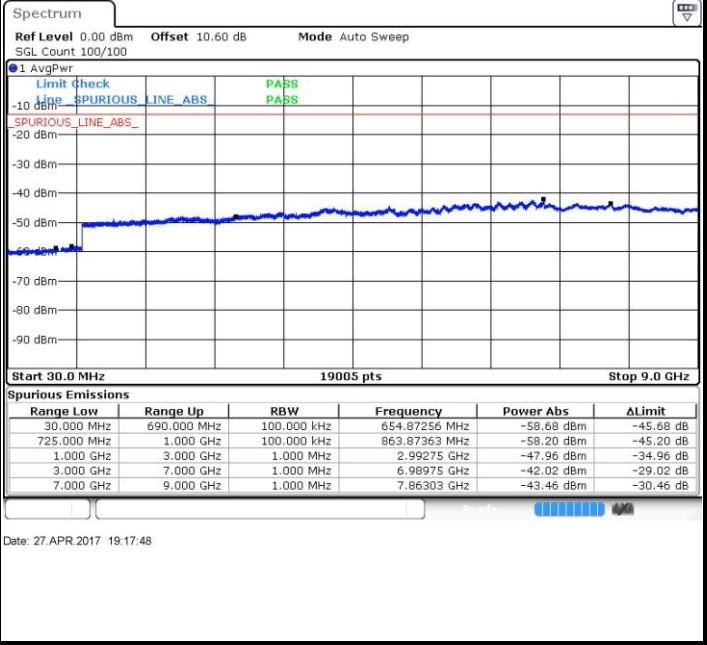
**LTE Band 17 / 5MHz**

**Highest Channel / 64QAM**



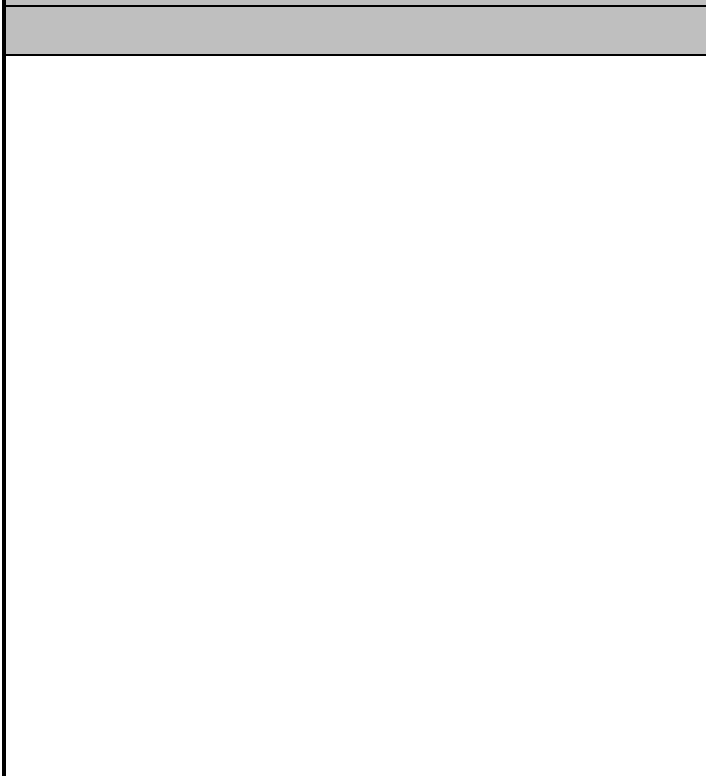
**LTE Band 17 / 10MHz**

**Lowest Channel / 64QAM**

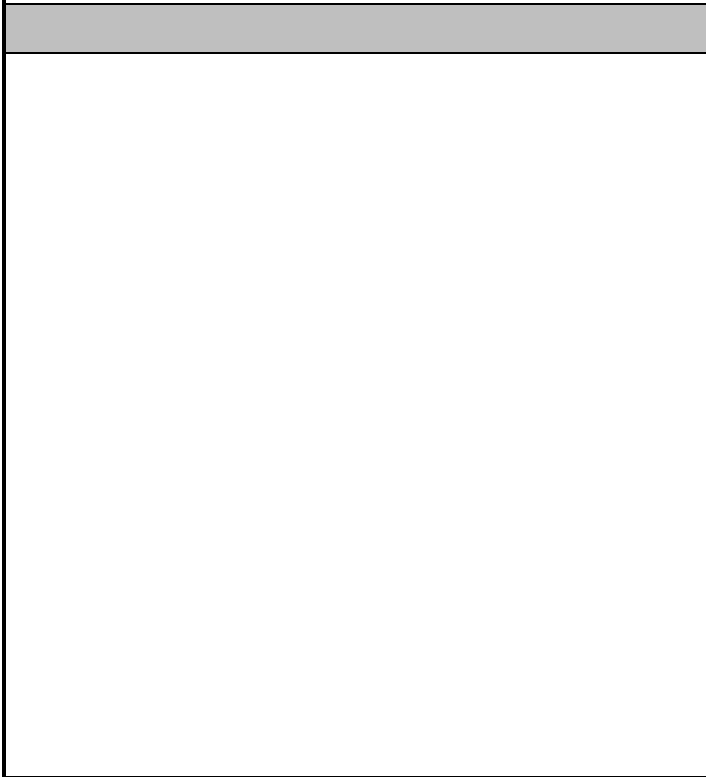
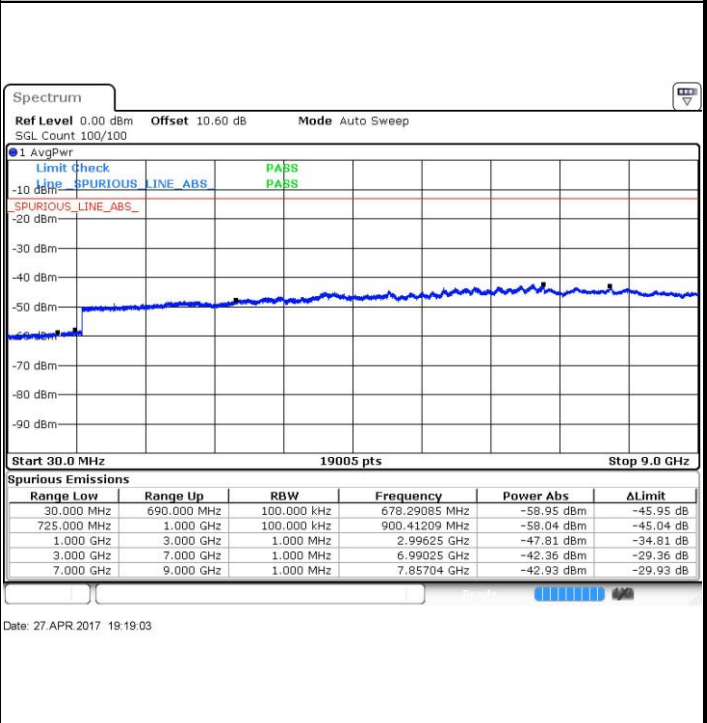




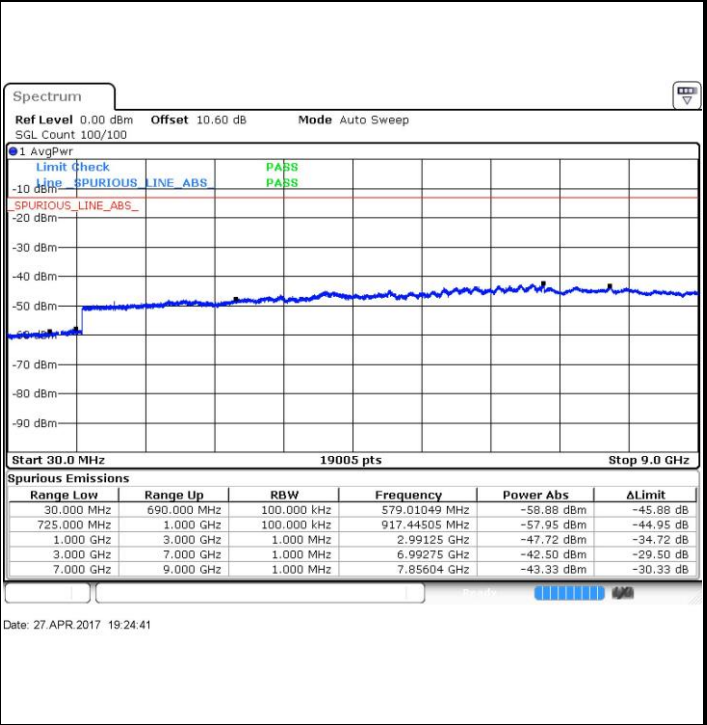
**LTE Band 17 / 10MHz**



**Middle Channel / 64QAM**



**Highest Channel / 64QAM**





**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	0.0013	PASS
40	Normal Voltage	0.0131	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0107	
0	Normal Voltage	0.0096	
-10	Normal Voltage	0.0118	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0100	

**Note:**

1. Normal Voltage =3.8 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	4.49	5.04	5.51	6.12	
Mod.	-		64QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	-	-	-	-	
Highest CH	-	-	5.59	6.2	



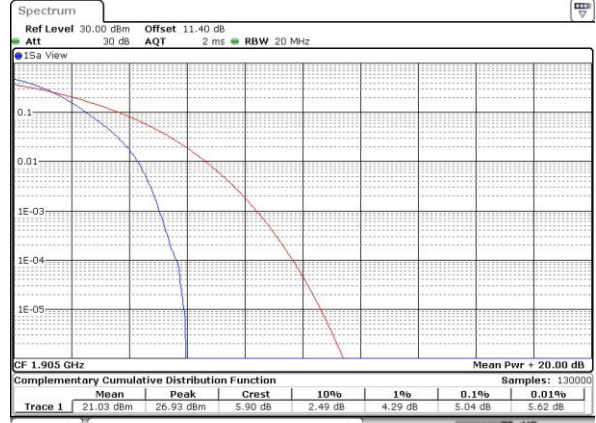
LTE Band 25 / 20MHz / QPSK

Highest Channel / 1RB



Date: 7 APR 2017 01:49:08

Highest Channel / Full RB



Date: 7 APR 2017 01:49:18

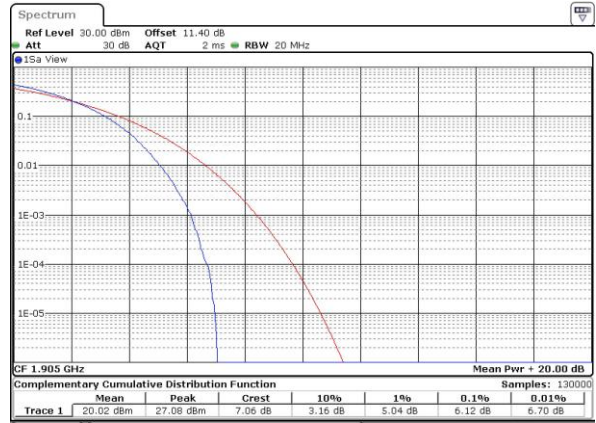
LTE Band 25 / 20MHz / 16QAM

Highest Channel / 1RB



Date: 7 APR 2017 01:48:48

Highest Channel / Full RB



Date: 7 APR 2017 01:48:59

LTE Band 25 / 20MHz / 64QAM

Highest Channel / 1RB



Date: 27 APR 2017 13:36:45

Highest Channel / Full RB



Date: 27 APR 2017 13:37:01



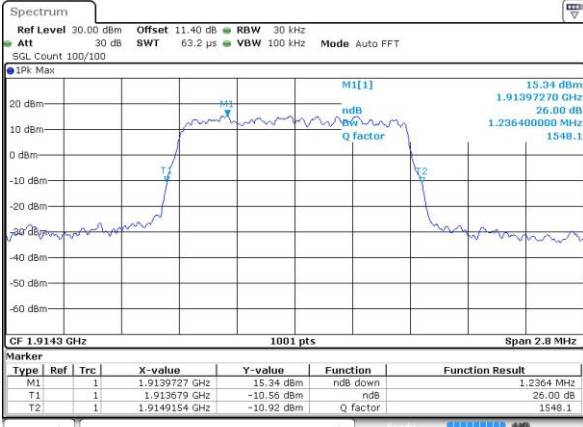
**26dB Bandwidth**

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	1.24	1.21	3.01	3.07	4.93	4.89	9.83	9.73	14.21	14.48	20.10	20.10
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM
Lowest CH	-	-	-	-	-	-	-	-	-	-	-	-
Middle CH	-	-	-	-	-	-	-	-	-	-	-	-
Highest CH	-	1.23	-	2.94	-	4.84	-	9.75	-	14.12	-	20.14



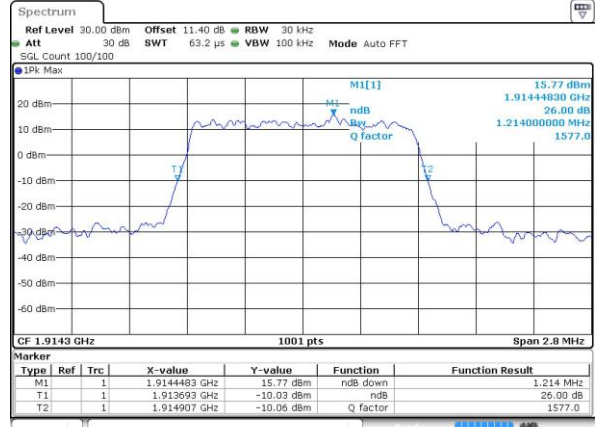
LTE Band 25

Highest Channel / 1.4MHz / QPSK



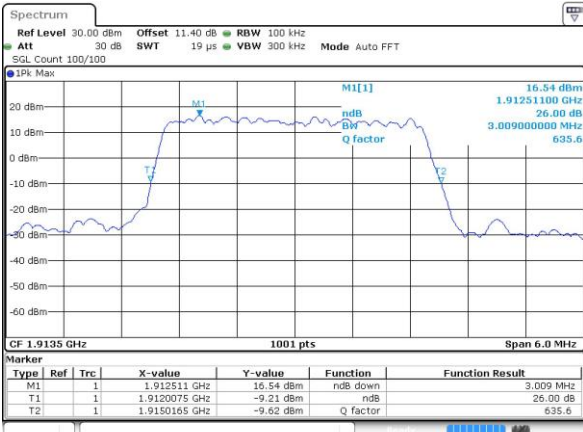
Date: 7 APR 2017 01:41:16

Highest Channel / 1.4MHz / 16QAM



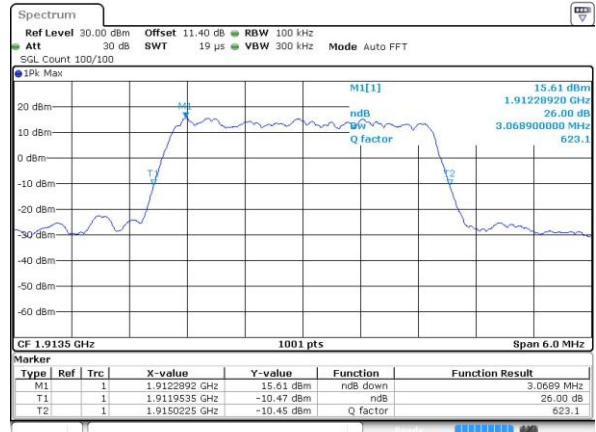
Date: 7 APR 2017 01:41:06

Highest Channel / 3MHz / QPSK



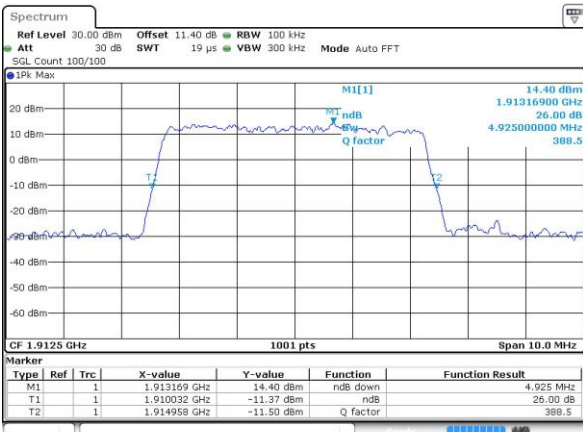
Date: 7 APR 2017 01:04:12

Highest Channel / 3MHz / 16QAM



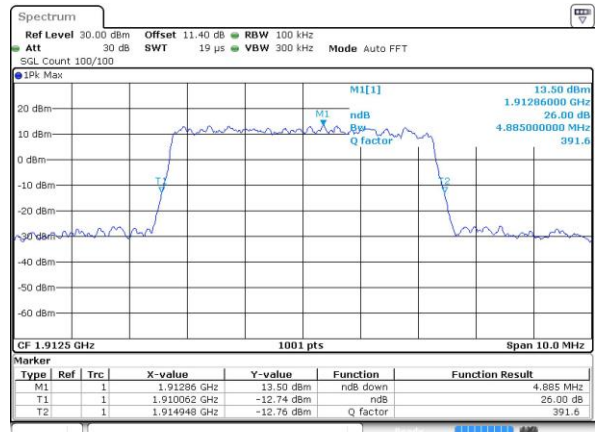
Date: 7 APR 2017 01:04:01

Highest Channel / 5MHz / QPSK



Date: 7 APR 2017 01:11:19

Highest Channel / 5MHz / 16QAM

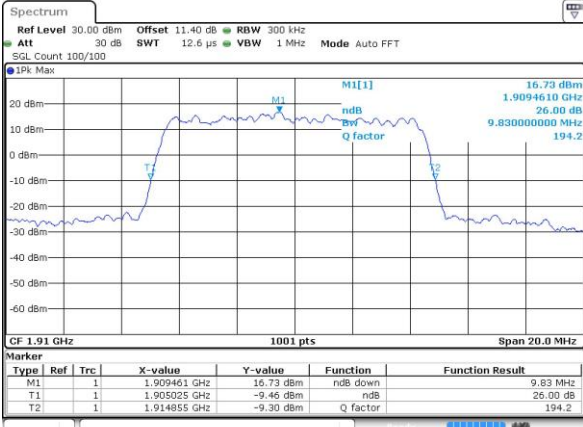


Date: 7 APR 2017 01:11:09



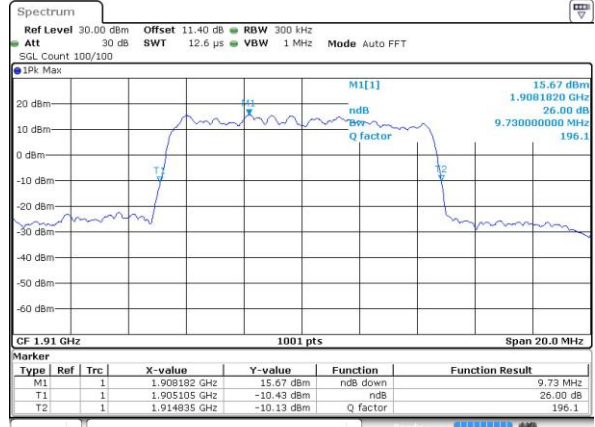
LTE Band 25

Highest Channel / 10MHz / QPSK



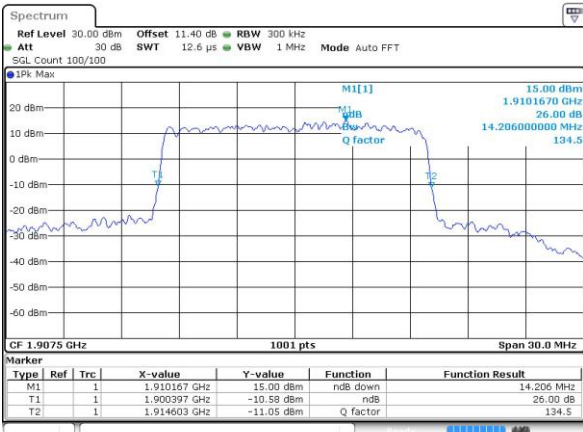
Date: 7 APR 2017 01:18:26

Highest Channel / 10MHz / 16QAM



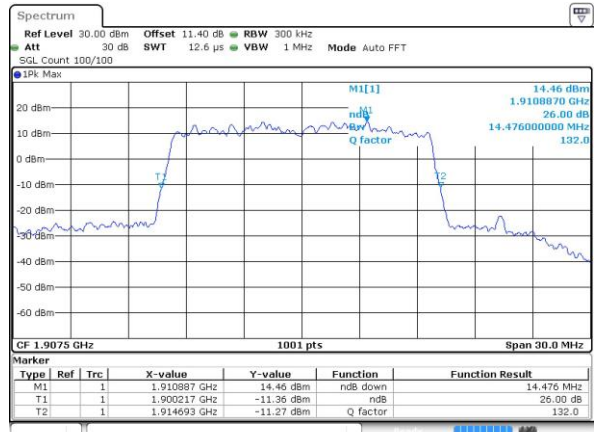
Date: 7 APR 2017 01:18:16

Highest Channel / 15MHz / QPSK



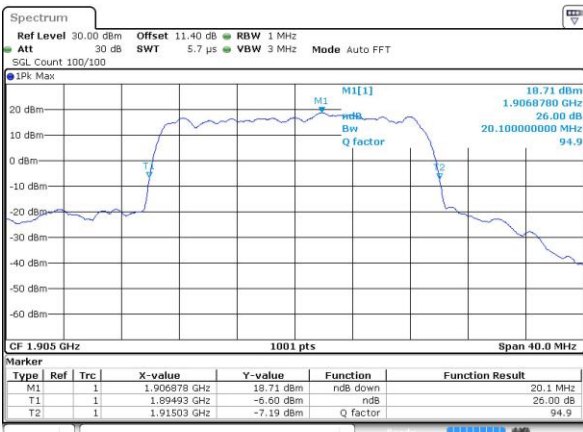
Date: 7 APR 2017 01:25:34

Highest Channel / 15MHz / 16QAM



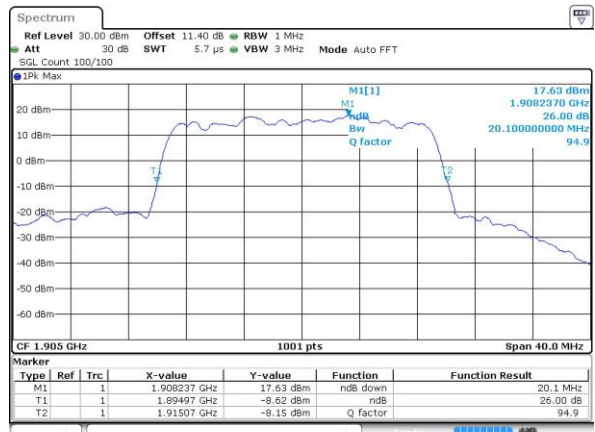
Date: 7 APR 2017 01:25:23

Highest Channel / 20MHz / QPSK



Date: 7 APR 2017 01:32:41

Highest Channel / 20MHz / 16QAM

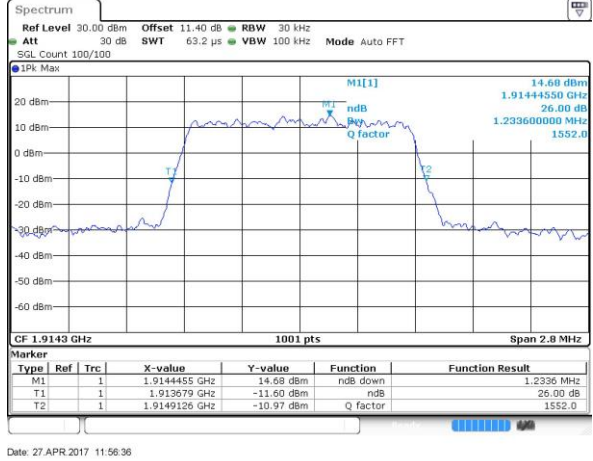


Date: 7 APR 2017 01:32:30

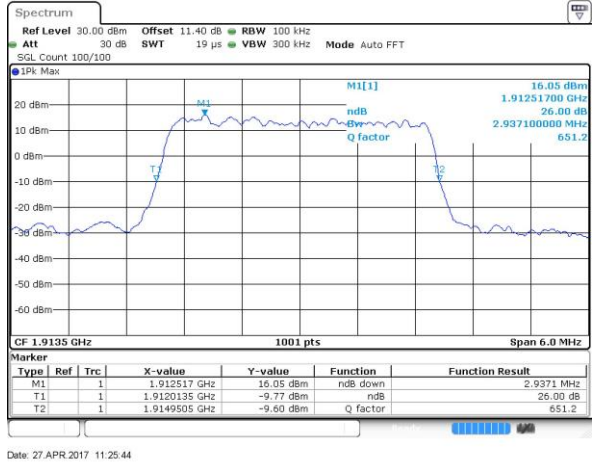


LTE Band 25

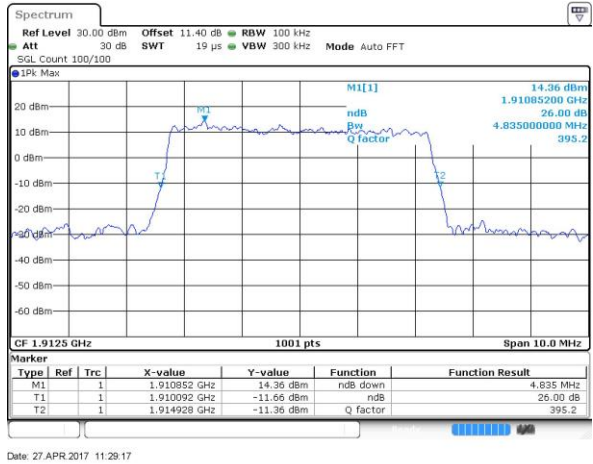
Highest Channel / 1.4MHz / 64QAM



Highest Channel /3MHz / 64QAM



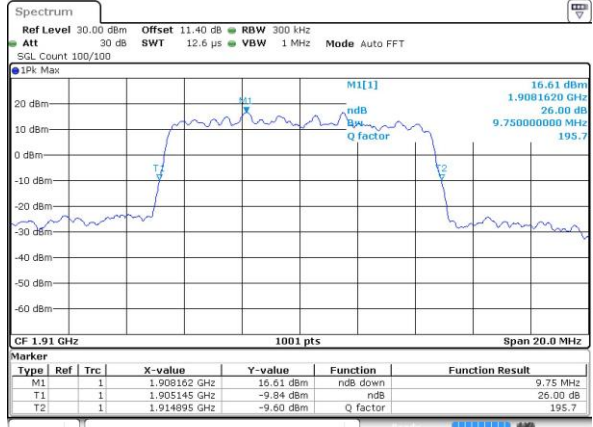
Highest Channel / 5MHz / 64QAM





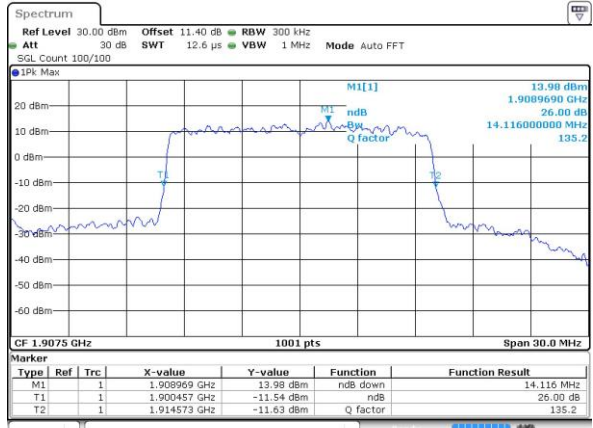
LTE Band 25

Highest Channel / 10MHz / 64QAM



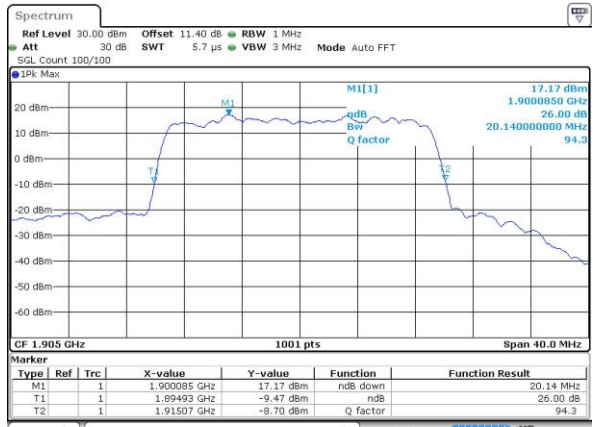
Date: 27 APR 2017 11:32:51

Highest Channel / 15MHz / 64QAM



Date: 27 APR 2017 11:38:24

Highest Channel / 20MHz / 64QAM



Date: 27 APR 2017 11:38:57



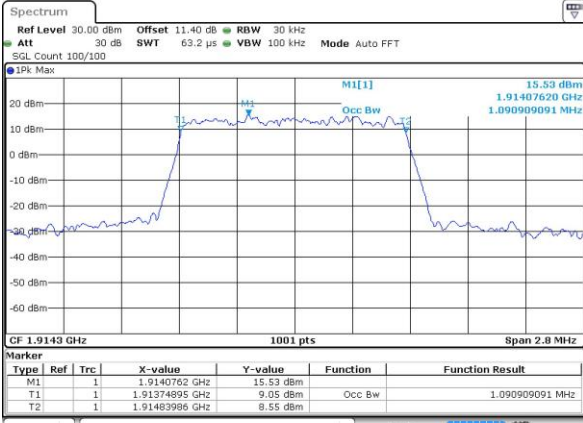
**Occupied Bandwidth**

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	1.09	2.72	2.72	4.47	4.48	8.93	9.03	13.37	13.37	18.22	18.34
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM
Lowest CH	-	-	-	-	-	-	-	-	-	-	-	-
Middle CH	-	-	-	-	-	-	-	-	-	-	-	-
Highest CH	-	1.09	-	2.72	-	4.47	-	8.95	-	13.34	-	18.22



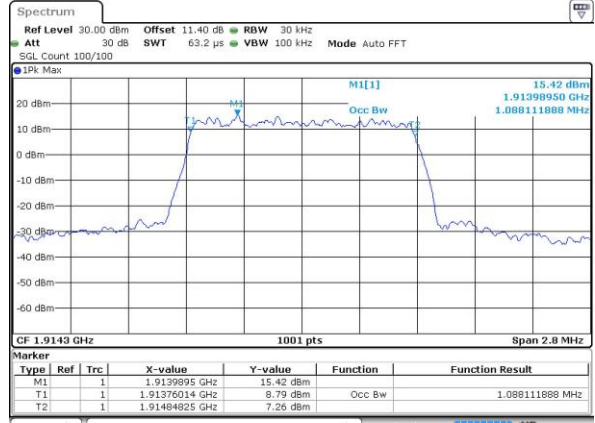
LTE Band 25

Highest Channel / 1.4MHz / QPSK



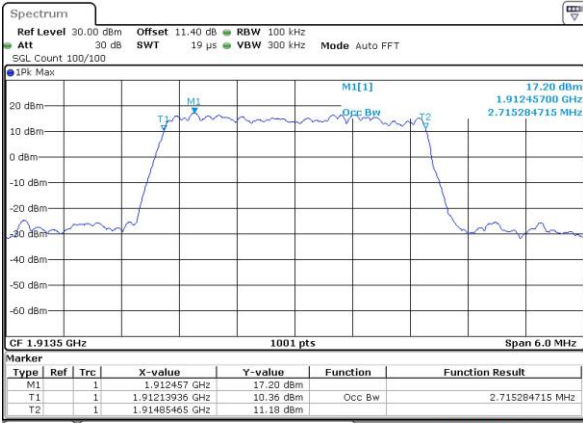
Date: 7 APR 2017 01:40:45

Highest Channel / 1.4MHz / 16QAM



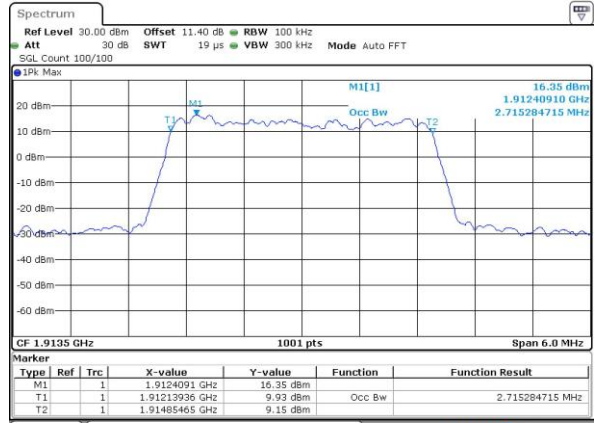
Date: 7 APR 2017 01:40:55

Highest Channel / 3MHz / QPSK



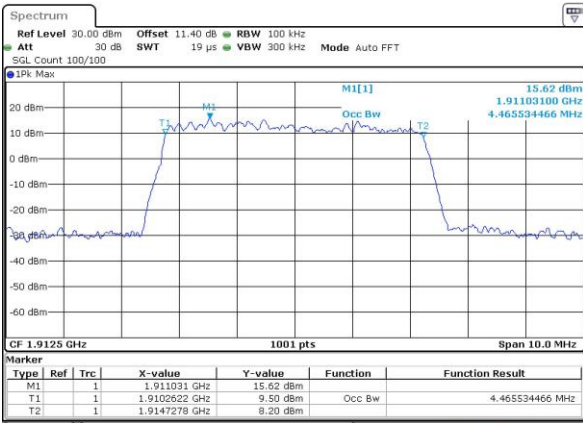
Date: 7 APR 2017 01:03:41

Highest Channel / 3MHz / 16QAM



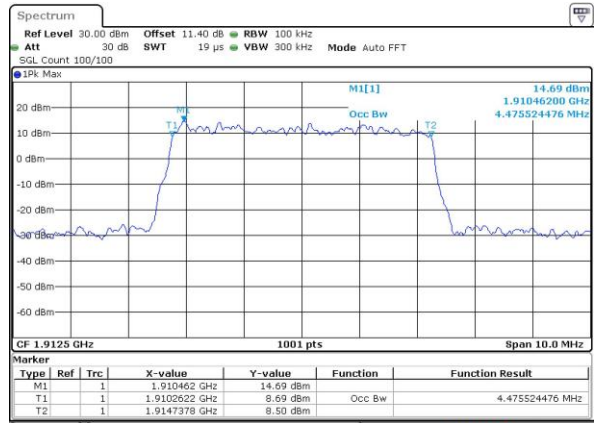
Date: 7 APR 2017 01:03:51

Highest Channel / 5MHz / QPSK



Date: 7 APR 2017 01:10:48

Highest Channel / 5MHz / 16QAM

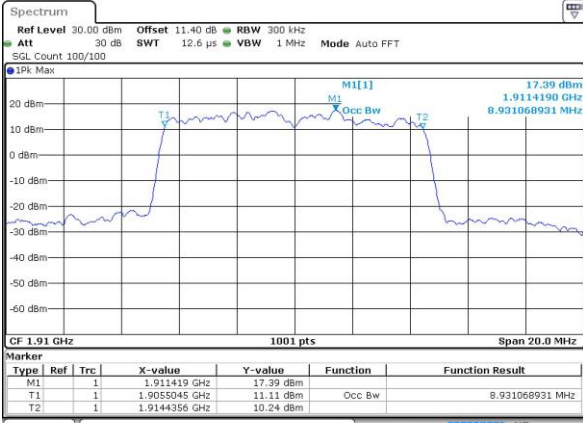


Date: 7 APR 2017 01:10:59



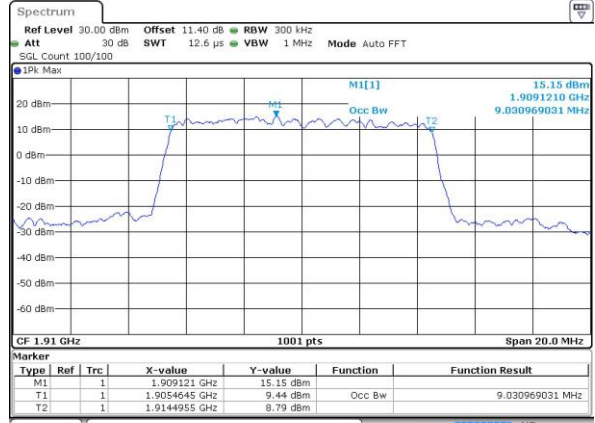
LTE Band 25

Highest Channel / 10MHz / QPSK



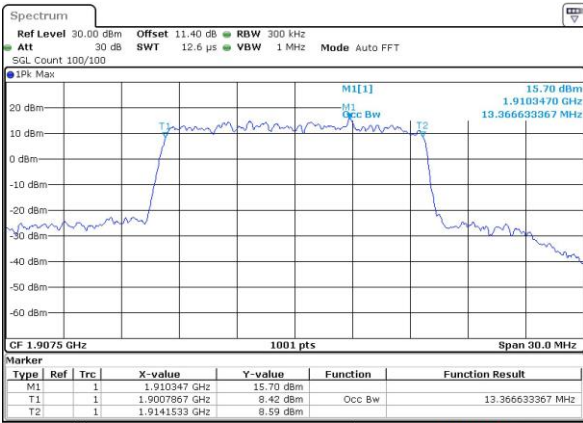
Date: 7 APR 2017 01:17:55

Highest Channel / 10MHz / 16QAM



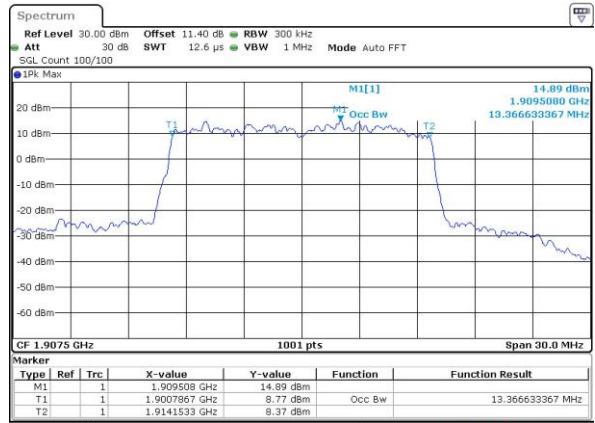
Date: 7 APR 2017 01:18:06

Highest Channel / 15MHz / QPSK



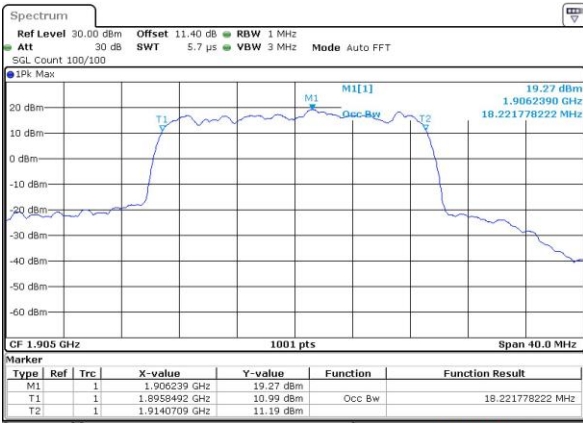
Date: 7 APR 2017 01:25:03

Highest Channel / 15MHz / 16QAM



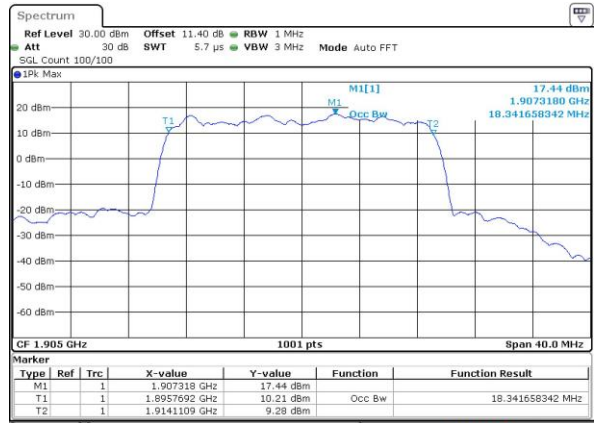
Date: 7 APR 2017 01:25:13

Highest Channel / 20MHz / QPSK



Date: 7 APR 2017 01:32:10

Highest Channel / 20MHz / 16QAM

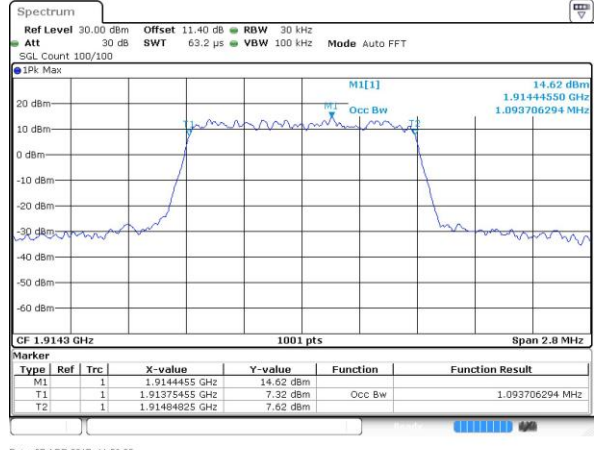


Date: 7 APR 2017 01:32:20



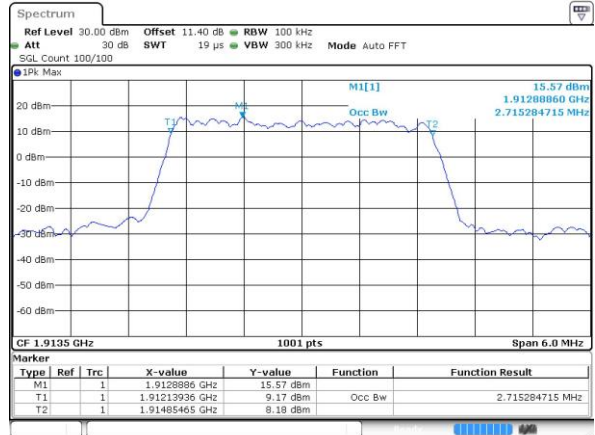
LTE Band 25

Highest Channel / 1.4MHz / 64QAM



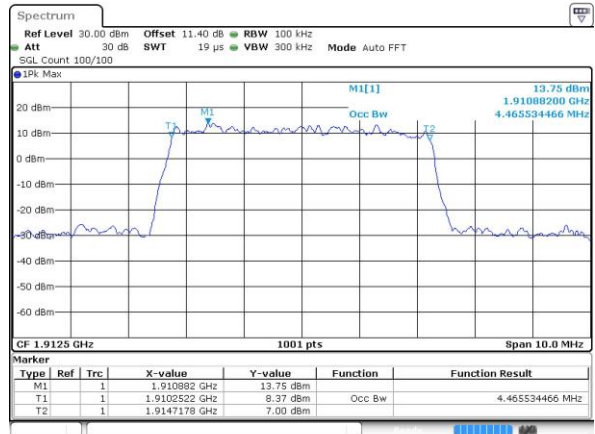
Date: 27 APR 2017 11:56:25

Highest Channel / 3MHz / 64QAM



Date: 27 APR 2017 11:25:34

Highest Channel / 5MHz / 64QAM

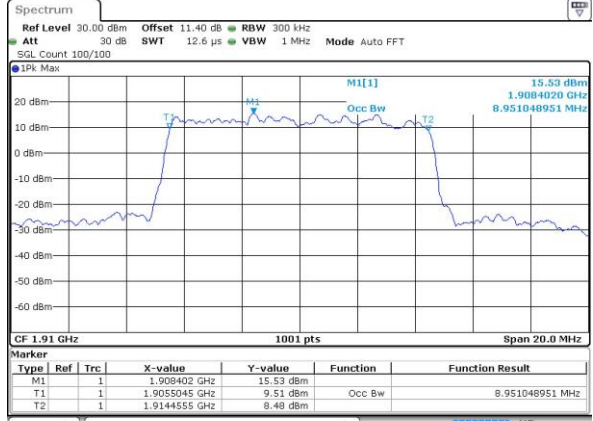


Date: 27 APR 2017 11:29:07



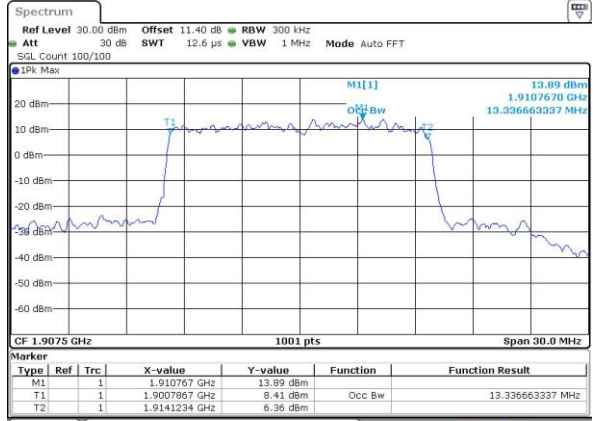
LTE Band 25

Highest Channel / 10MHz / 64QAM



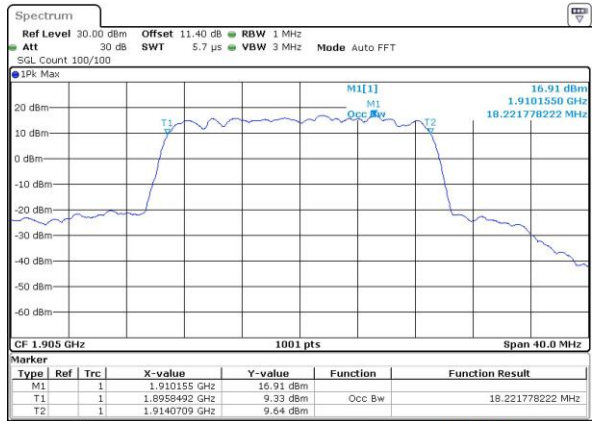
Date: 27 APR 2017 11:32:40

Highest Channel / 15MHz / 64QAM



Date: 27 APR 2017 11:38:14

Highest Channel / 20MHz / 64QAM



Date: 27 APR 2017 11:38:47

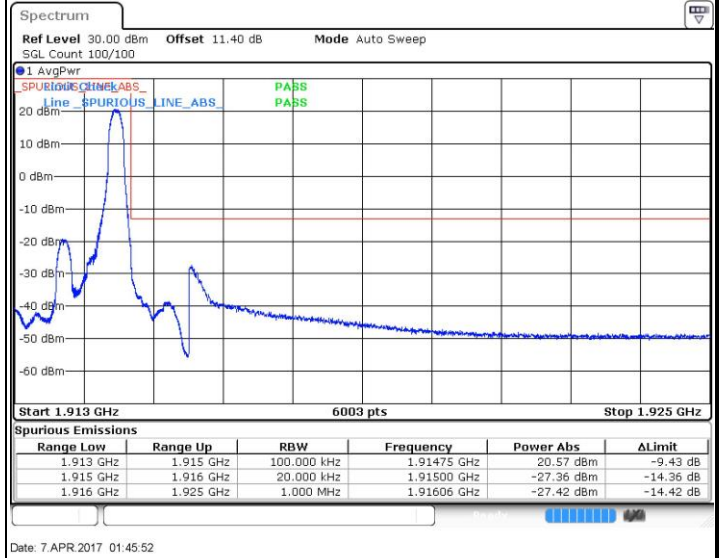


**Conducted Band Edge**

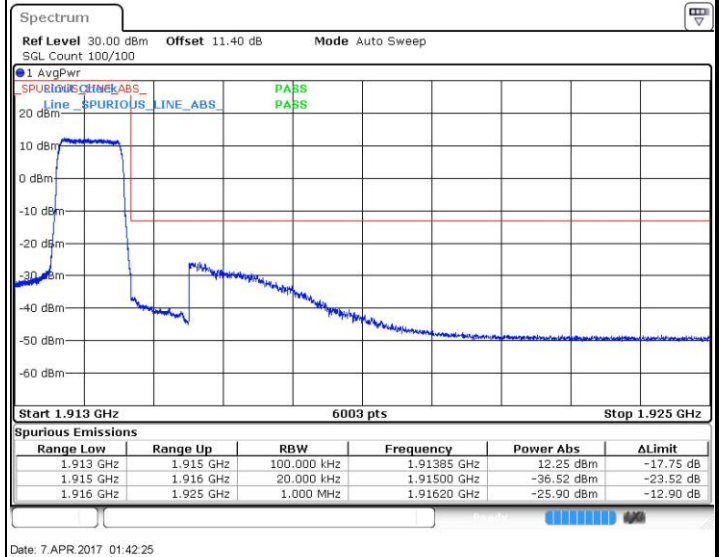


LTE Band 25 / 1.4MHz / QPSK

Highest Band Edge / 1RB



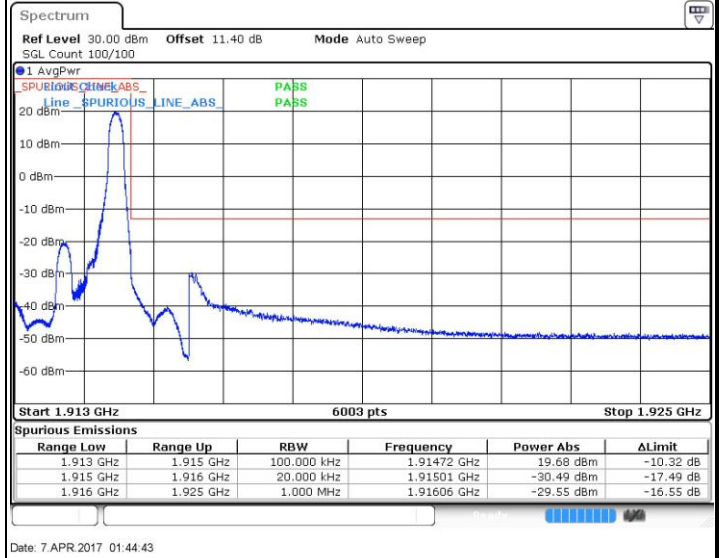
Highest Band Edge / Full RB



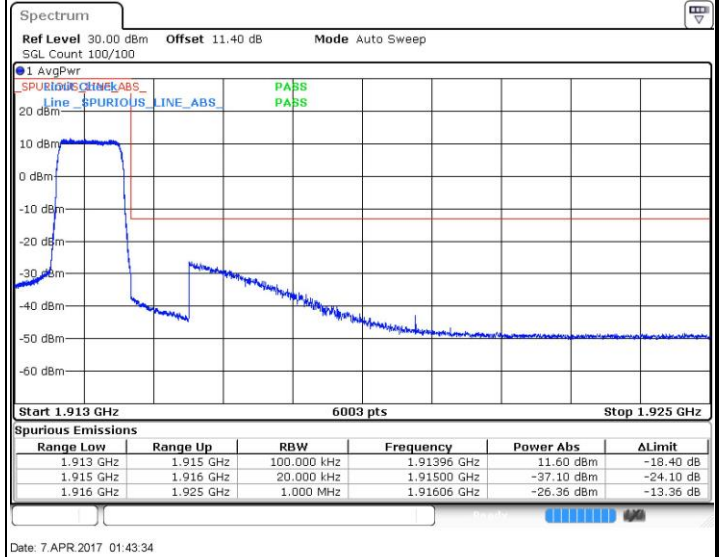


LTE Band 25 / 1.4MHz / 16QAM

Highest Band Edge / 1 RB



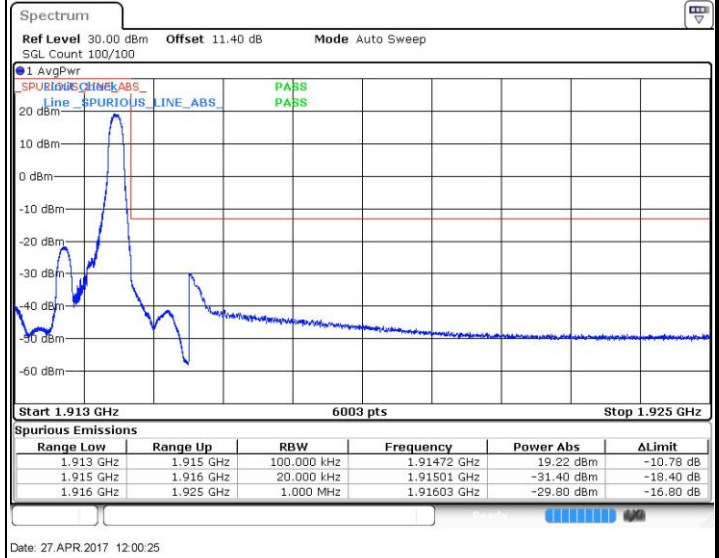
Highest Band Edge / Full RB



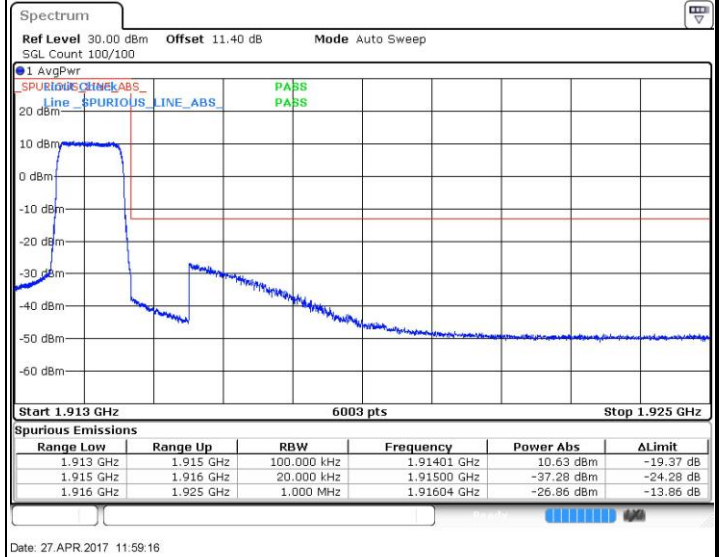


LTE Band 25 / 1.4MHz / 64QAM

Highest Band Edge / 1 RB



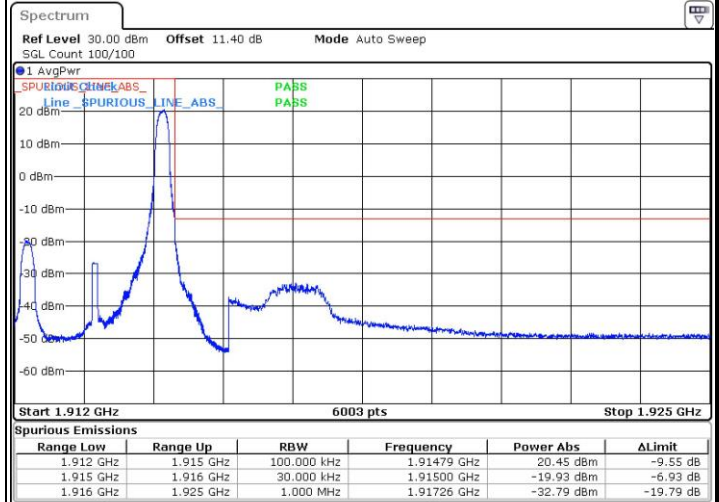
Highest Band Edge / Full RB





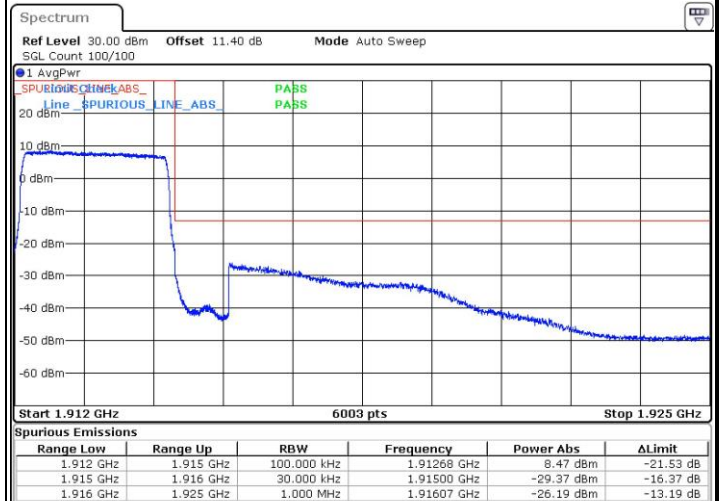
LTE Band 25 / 3MHz / QPSK

Highest Band Edge / 1 RB



Date: 7 APR 2017 01:08:48

Highest Band Edge / Full RB

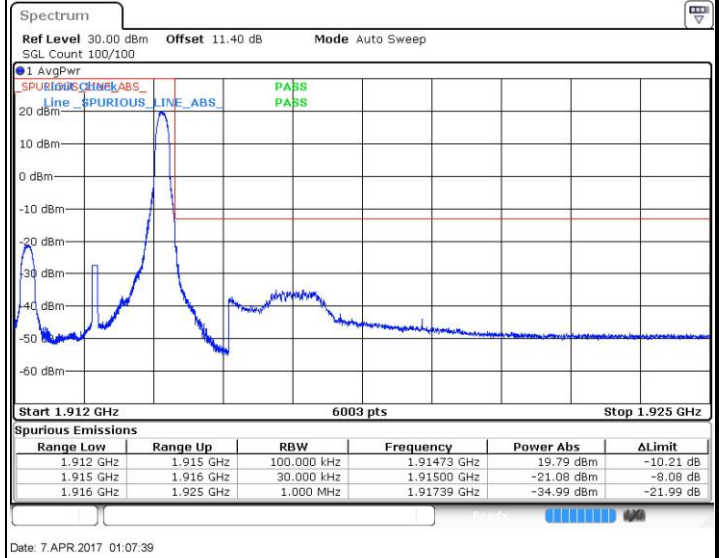


Date: 7 APR 2017 01:05:20

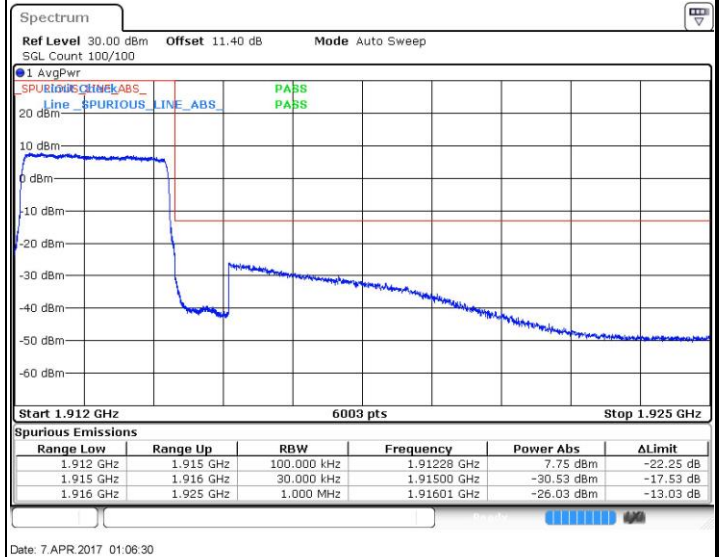


LTE Band 25 / 3MHz / 16QAM

Highest Band Edge / 1 RB



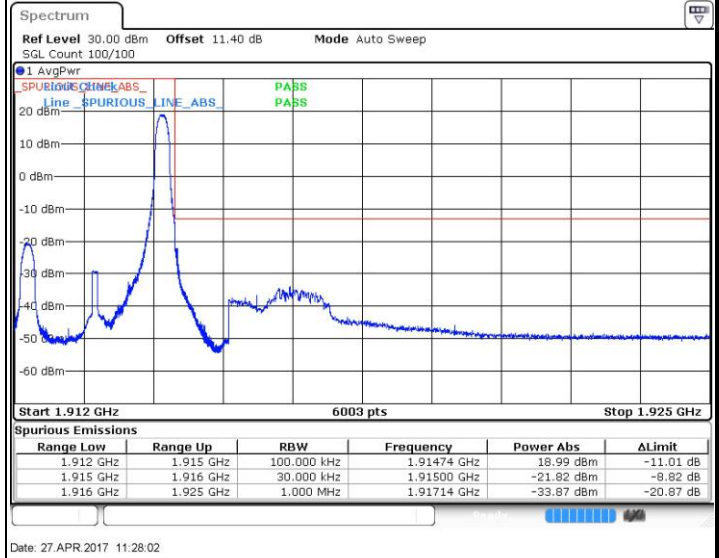
Highest Band Edge / Full RB



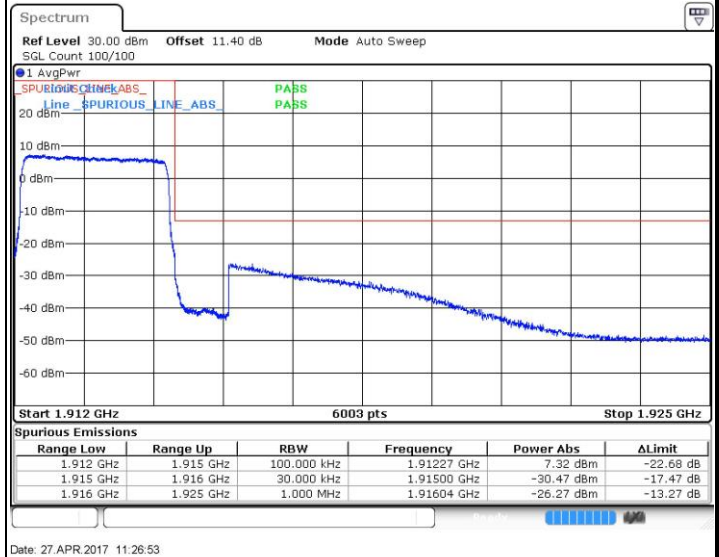


LTE Band 25 / 3MHz / 64QAM

Highest Band Edge / 1 RB



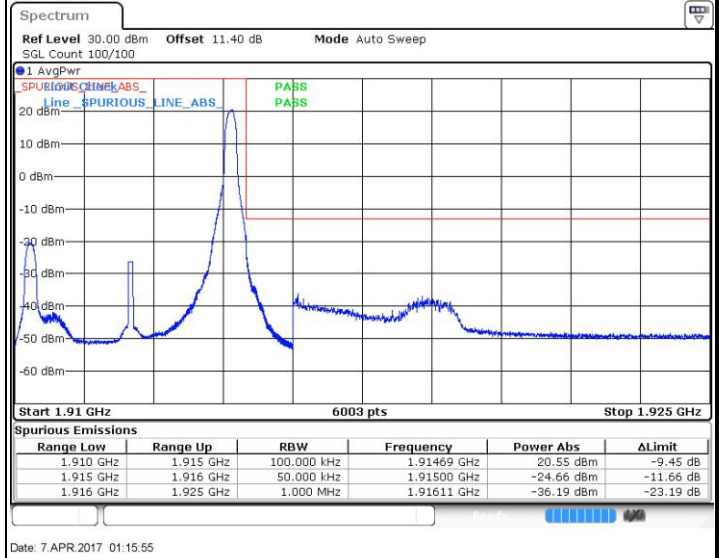
Highest Band Edge / Full RB



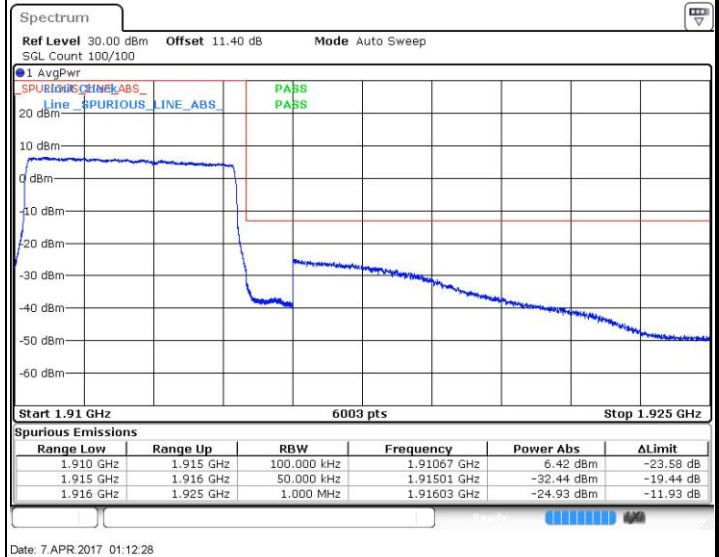


LTE Band 25 / 5MHz / QPSK

Highest Band Edge / 1 RB



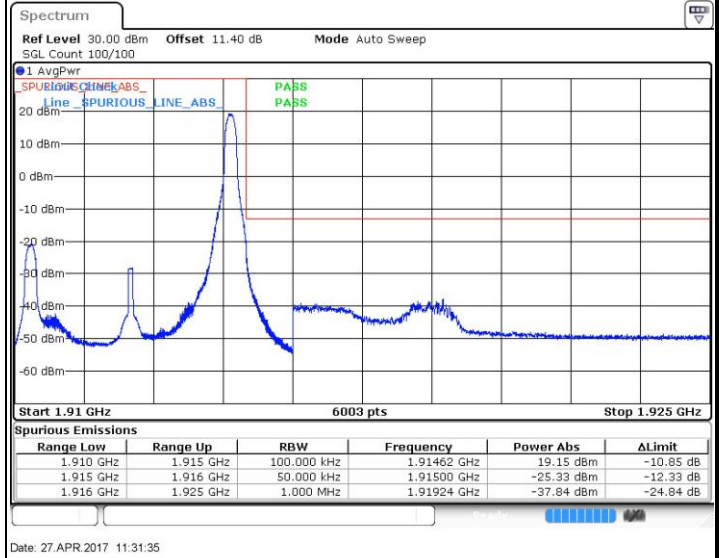
Highest Band Edge / Full RB



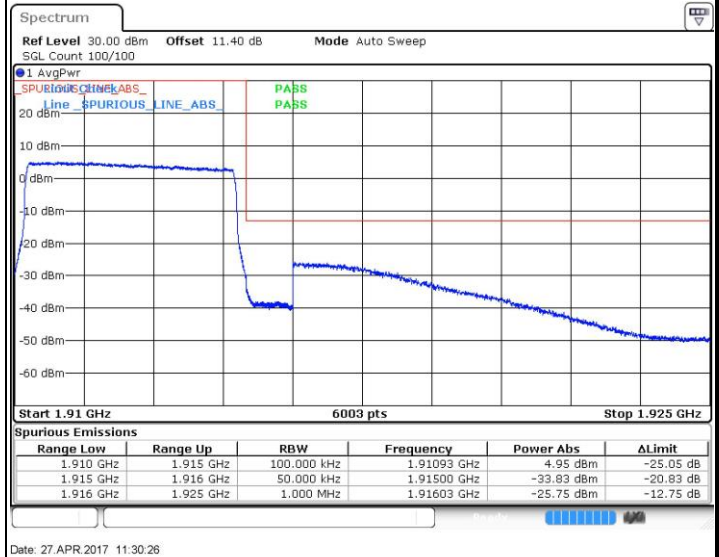


LTE Band 25 / 5MHz / 64QAM

Highest Band Edge / 1 RB



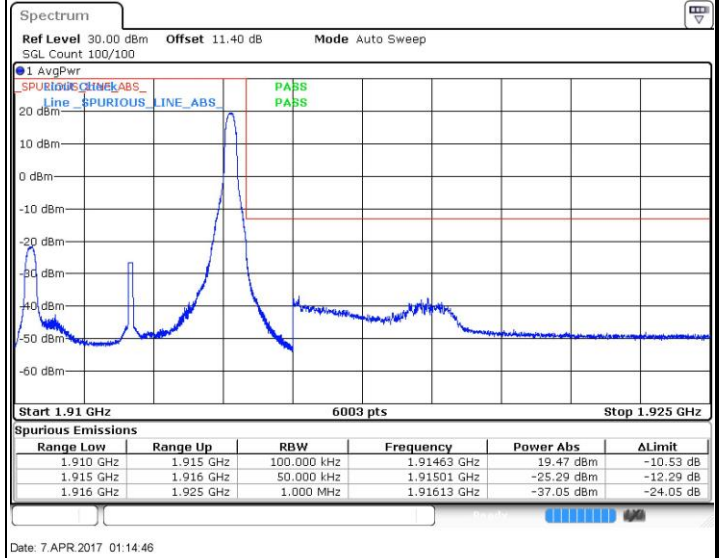
Highest Band Edge / Full RB



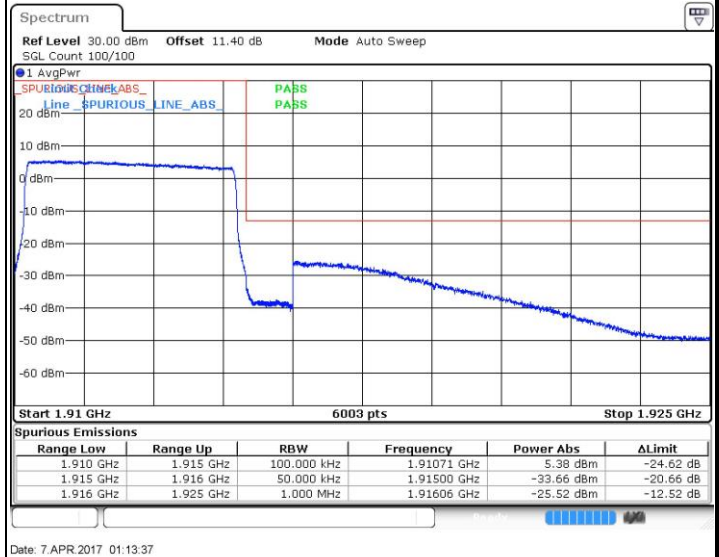


LTE Band 25 / 5MHz / 16QAM

Highest Band Edge / 1 RB



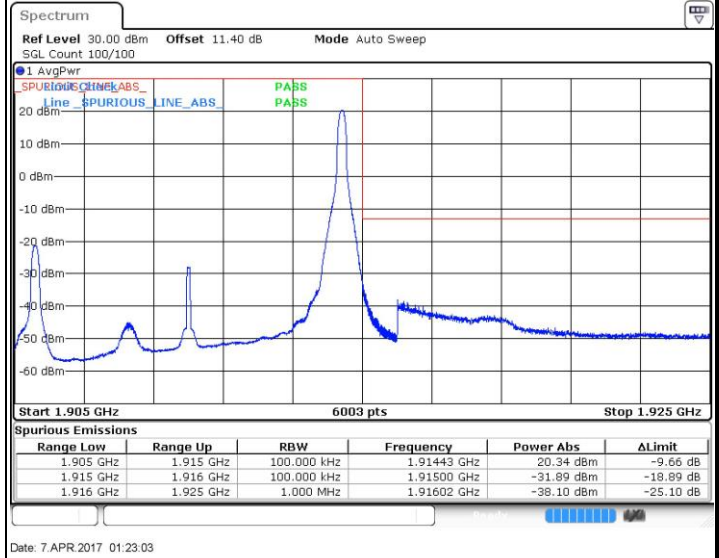
Highest Band Edge / Full RB



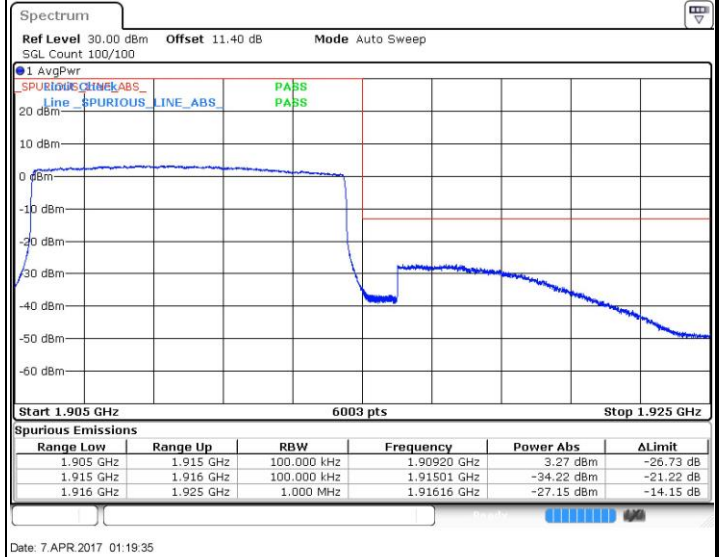


LTE Band 25 / 10MHz / QPSK

Highest Band Edge / 1 RB



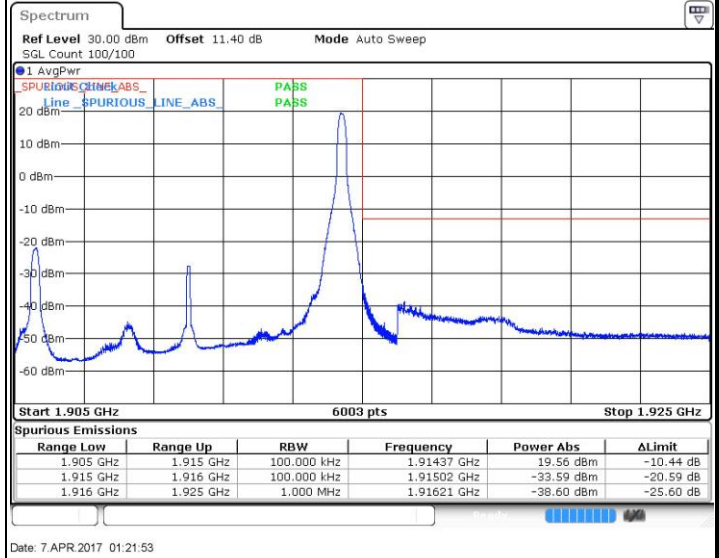
Highest Band Edge / Full RB



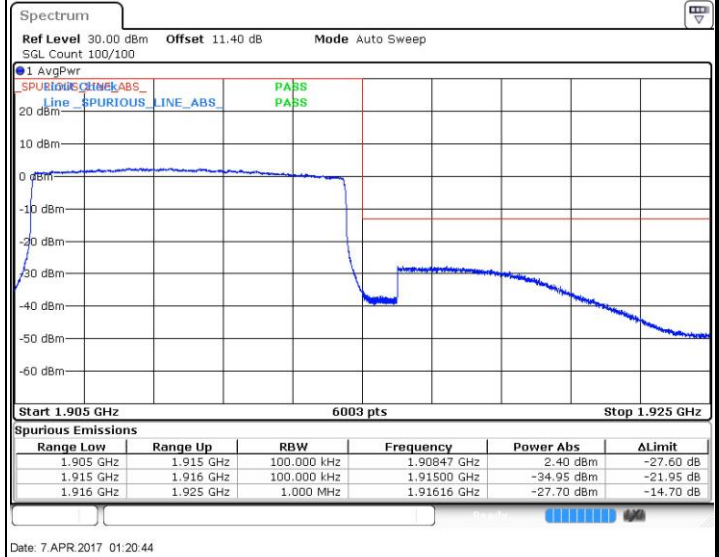


LTE Band 25 / 10MHz / 16QAM

Highest Band Edge / 1 RB



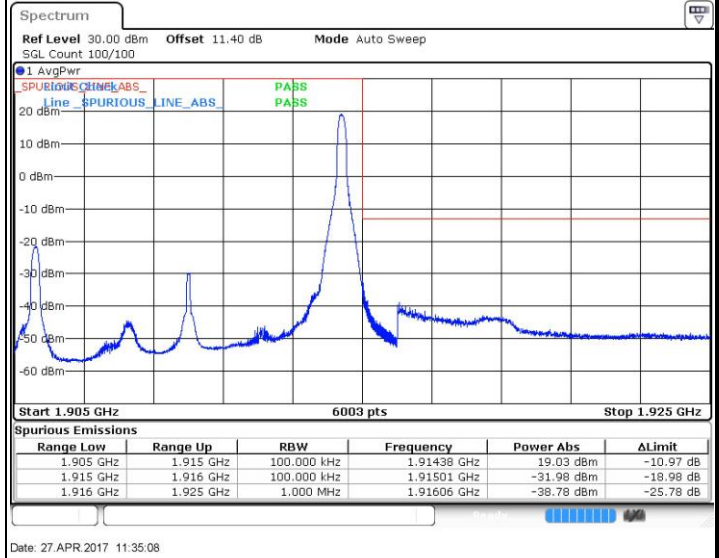
Highest Band Edge / Full RB





LTE Band 25 / 10MHz / 64QAM

Highest Band Edge / 1 RB



Highest Band Edge / Full RB

