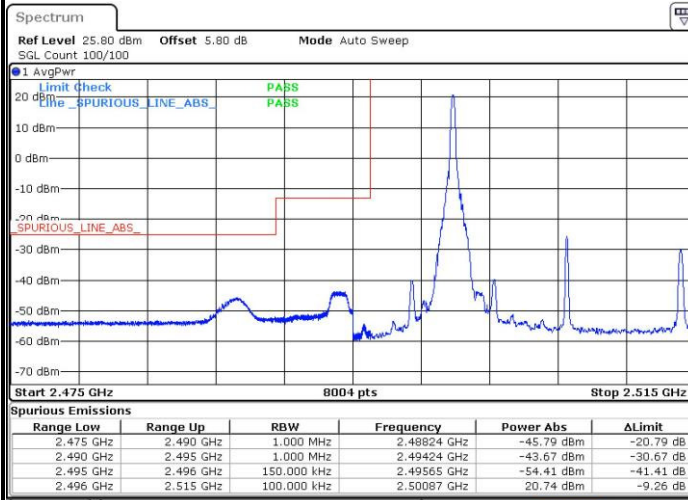




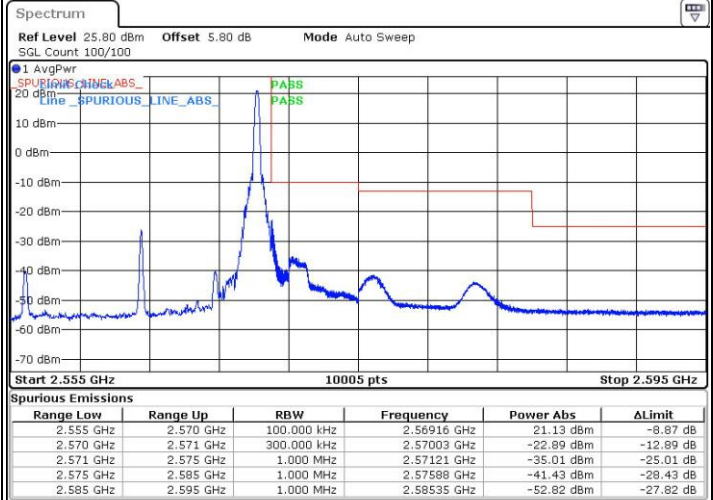
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



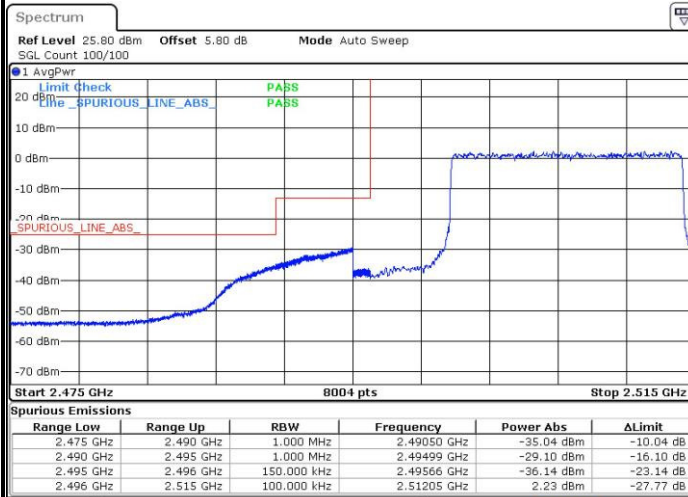
Date: 6 JUN 2016 09:58:01

Highest Band Edge / 1 RB



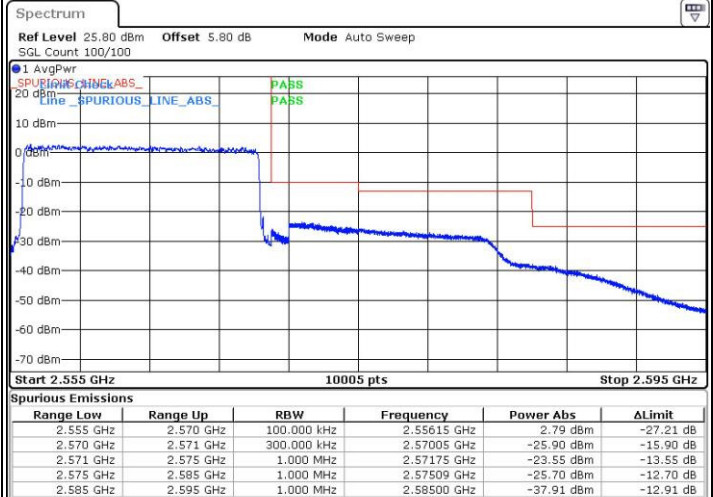
Date: 6 JUN 2016 10:06:01

Lowest Band Edge / Full RB



Date: 6 JUN 2016 10:01:27

Highest Band Edge / Full RB

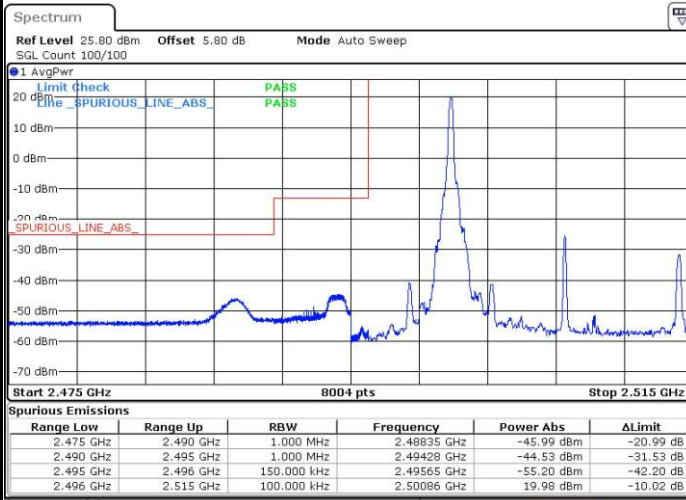


Date: 6 JUN 2016 10:02:35



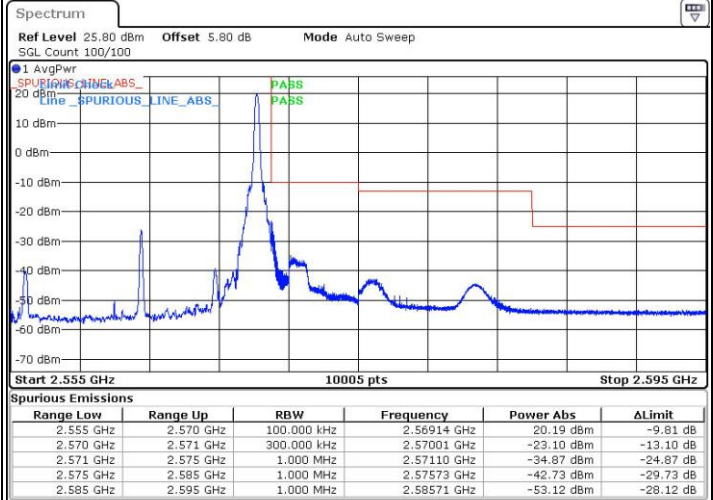
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



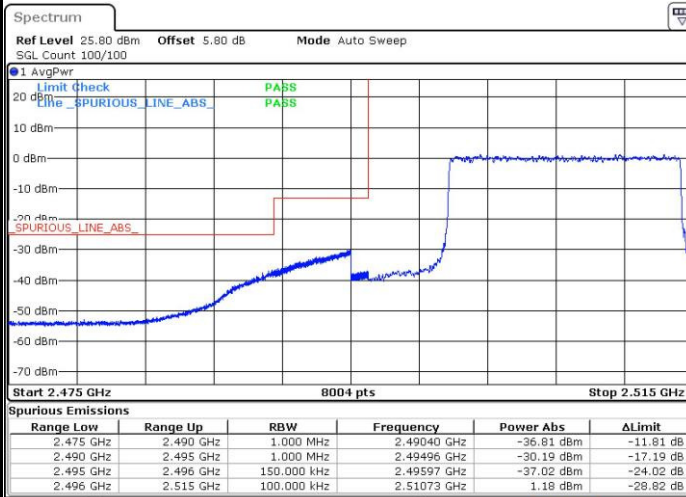
Date: 6 JUN 2016 09:59:10

Highest Band Edge / 1 RB



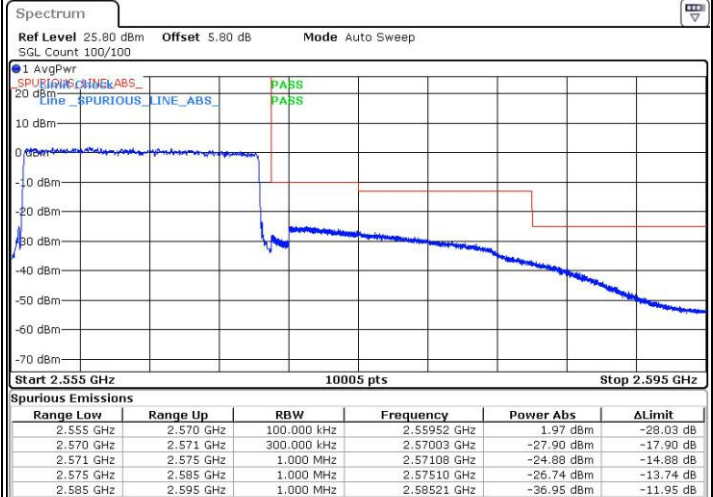
Date: 6 JUN 2016 10:04:52

Lowest Band Edge / Full RB



Date: 6 JUN 2016 10:00:18

Highest Band Edge / Full RB

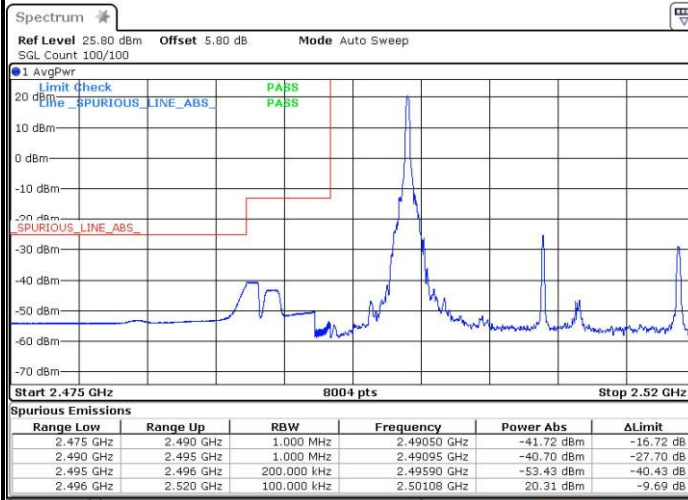


Date: 6 JUN 2016 10:03:44

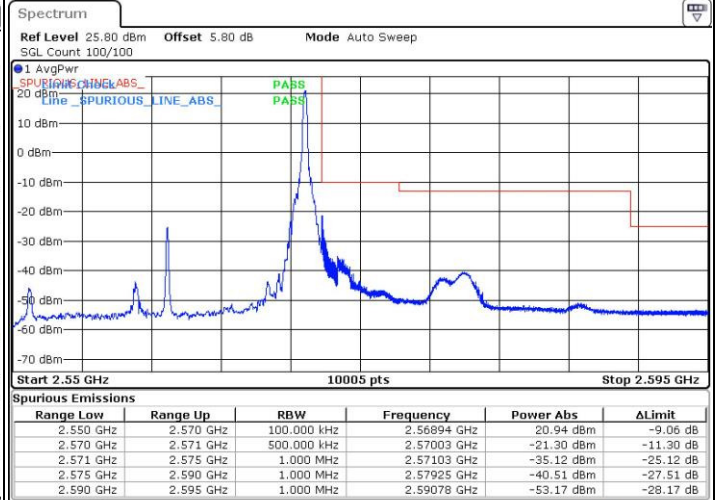


LTE Band 7 / 20MHz / QPSK

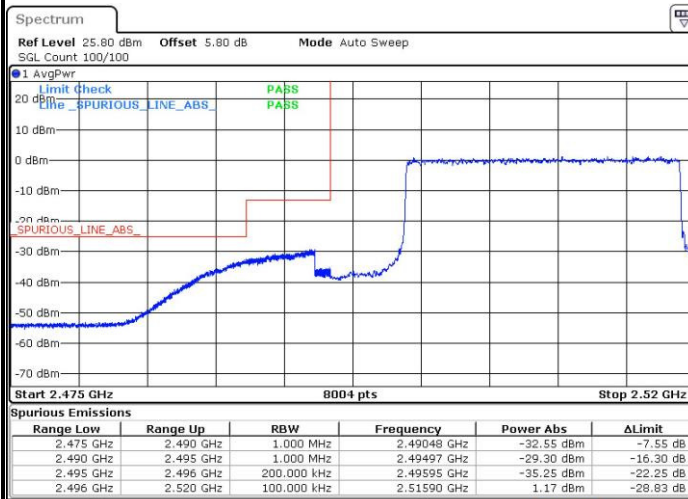
Lowest Band Edge / 1 RB



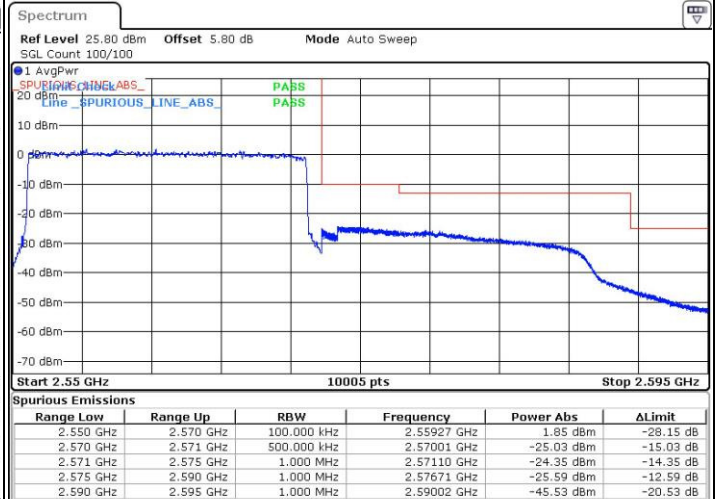
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



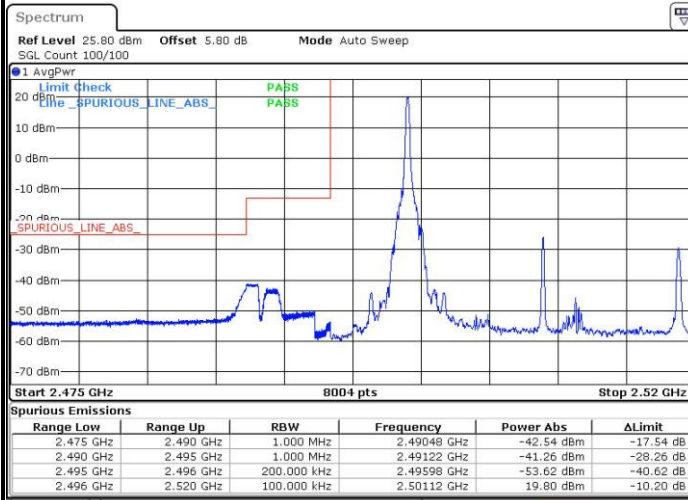
Highest Band Edge / Full RB





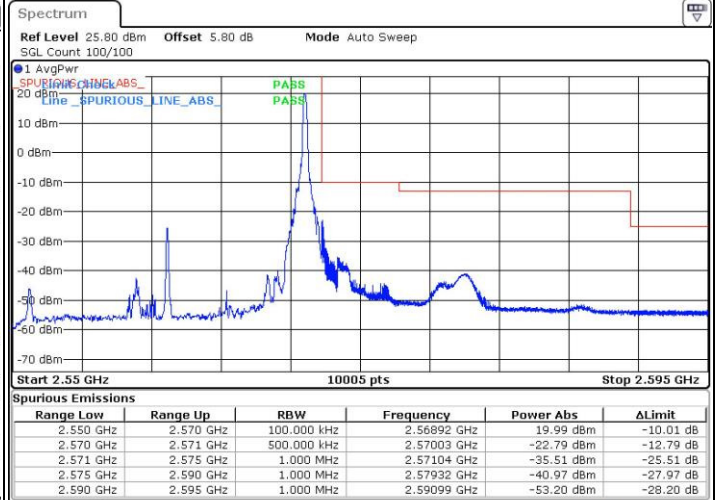
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



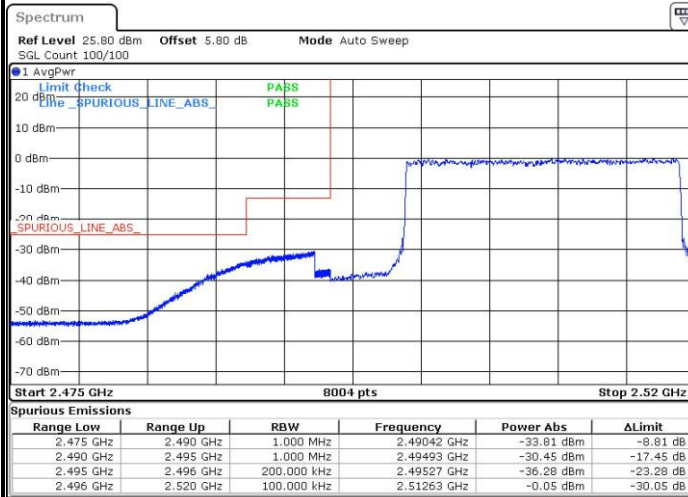
Date: 6 JUN 2016 10:15:52

Highest Band Edge / 1RB



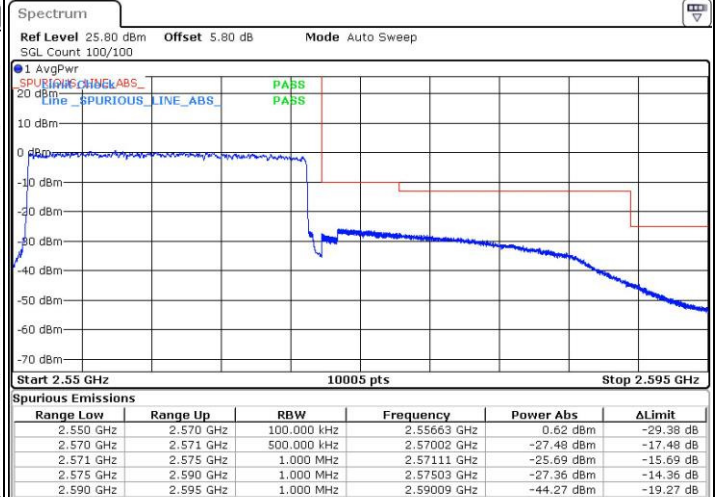
Date: 6 JUN 2016 10:21:34

Lowest Band Edge / Full RB

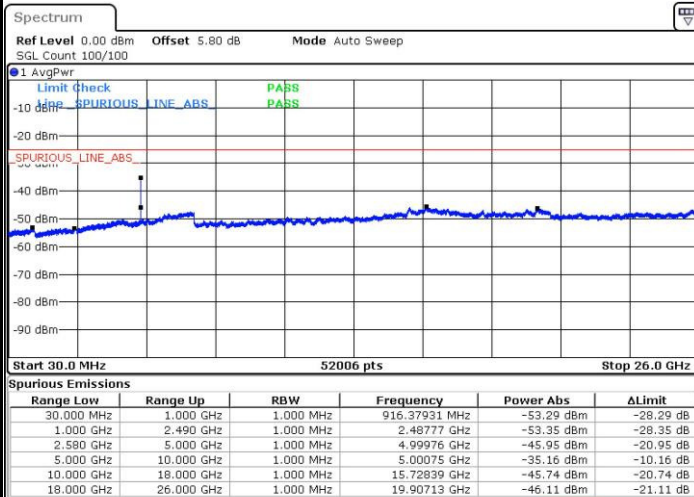


Date: 6 JUN 2016 10:17:00

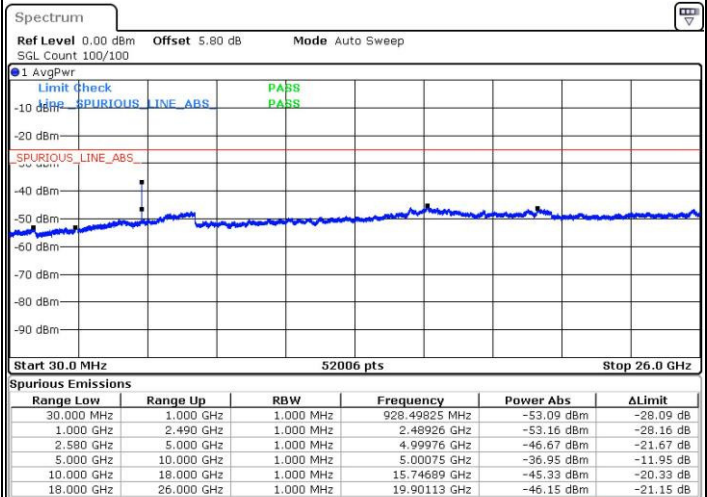
Highest Band Edge / Full RB



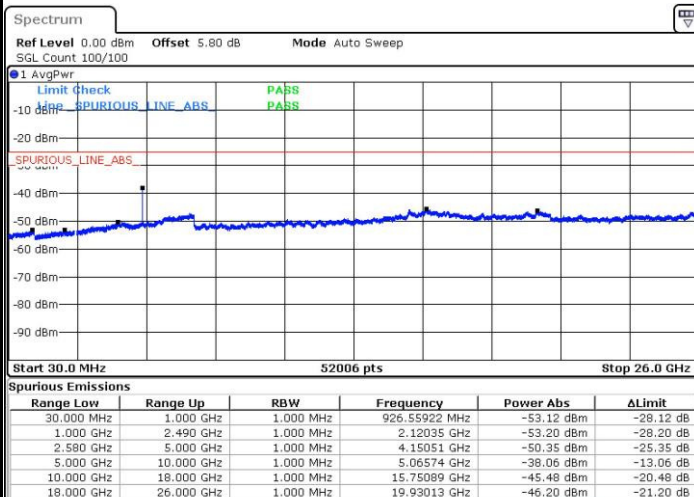
Date: 6 JUN 2016 10:20:25

**Conducted Spurious Emission****LTE Band 7 / 5MHz****Lowest Channel / QPSK**

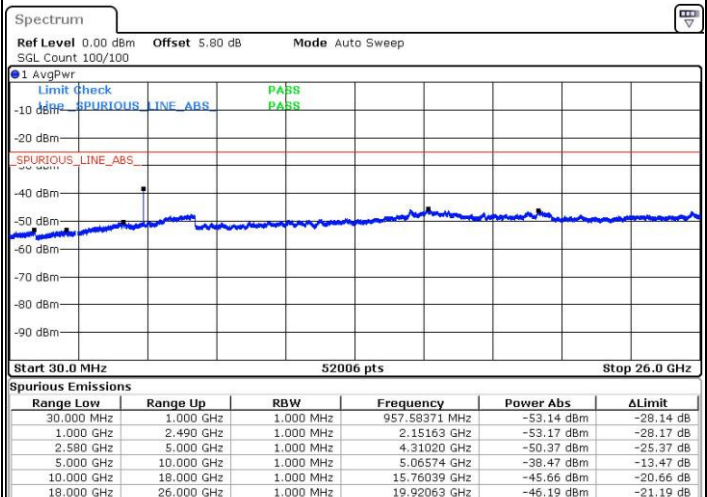
Date: 6 JUN 2016 09:33:33

Lowest Channel / 16QAM

Date: 6 JUN 2016 09:34:27

Middle Channel / QPSK

Date: 6 JUN 2016 09:36:16

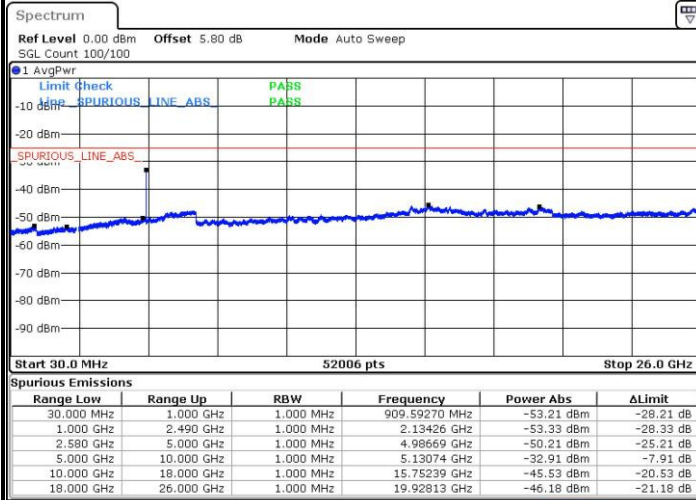
Middle Channel / 16QAM

Date: 6 JUN 2016 09:35:22



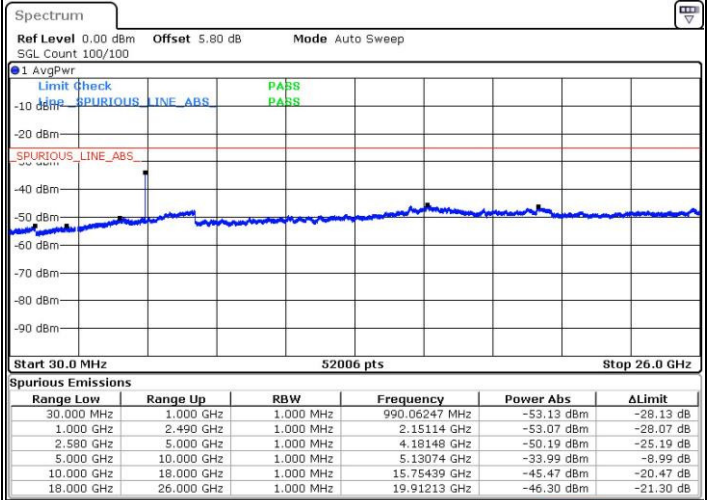
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 6 JUN 2016 09:37:11

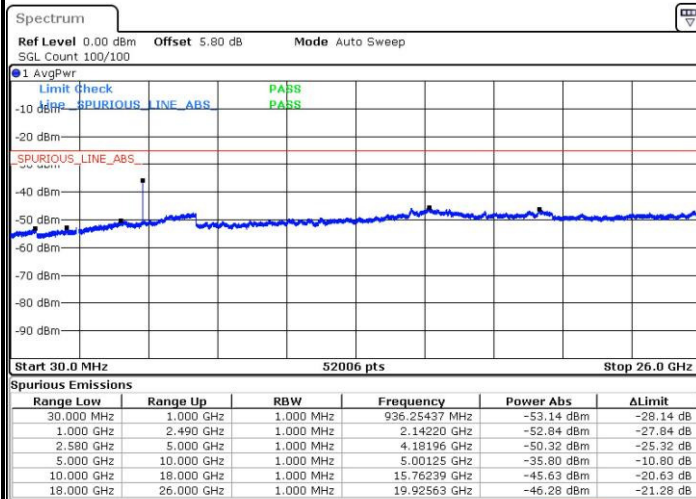
Highest Channel / 16QAM



Date: 6 JUN 2016 09:38:06

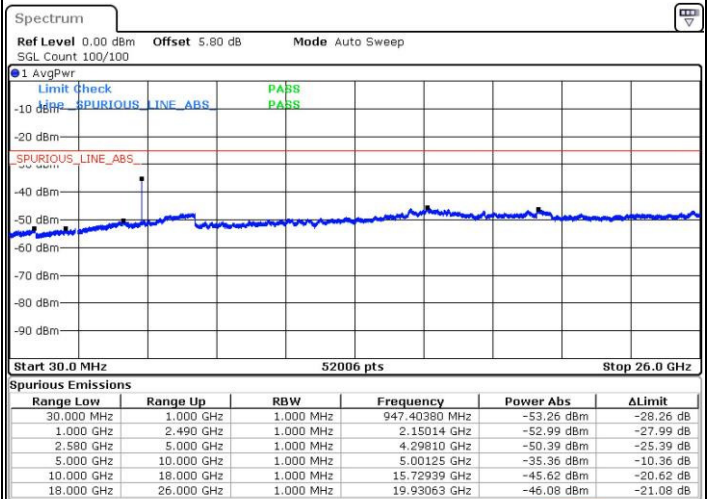
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 6 JUN 2016 09:50:13

Lowest Channel / 16QAM

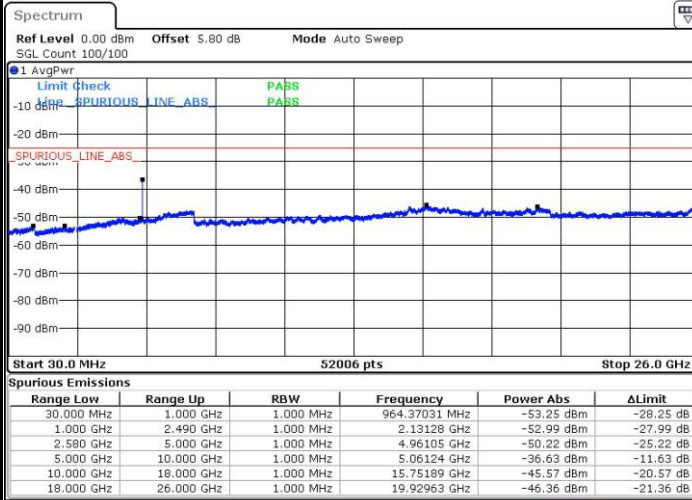


Date: 6 JUN 2016 09:51:08



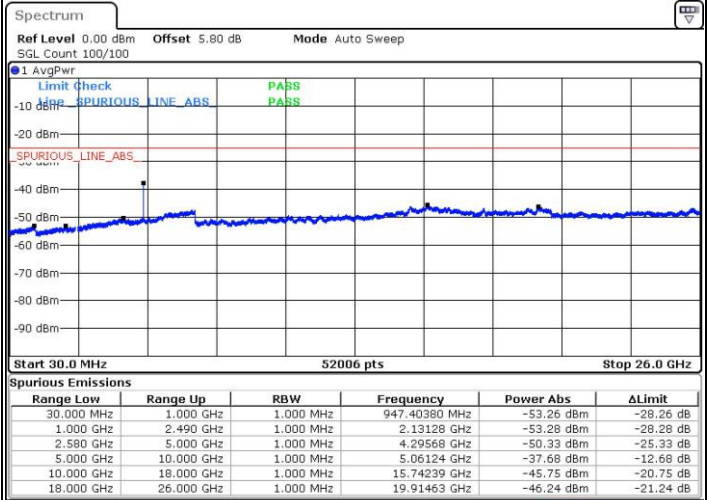
LTE Band 7 / 10MHz

Middle Channel / QPSK



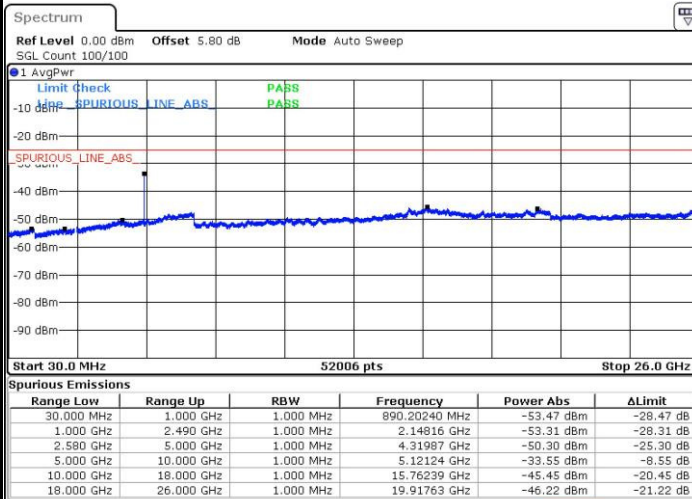
Date: 6 JUN 2016 09:52:57

Middle Channel / 16QAM



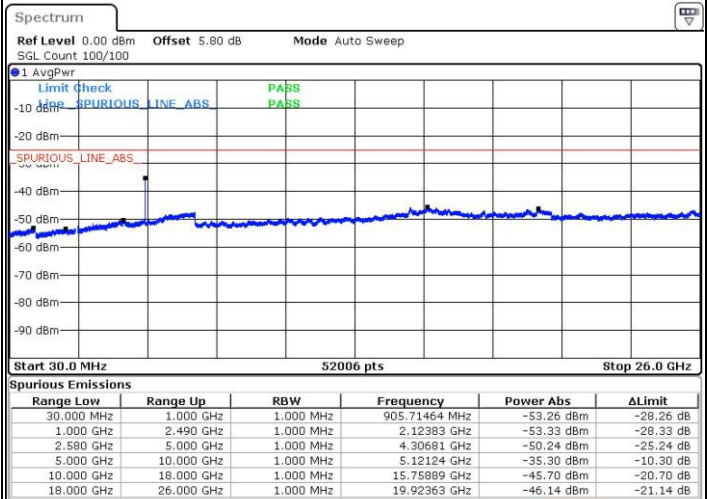
Date: 6 JUN 2016 09:52:02

Highest Channel / QPSK



Date: 6 JUN 2016 09:53:52

Highest Channel / 16QAM

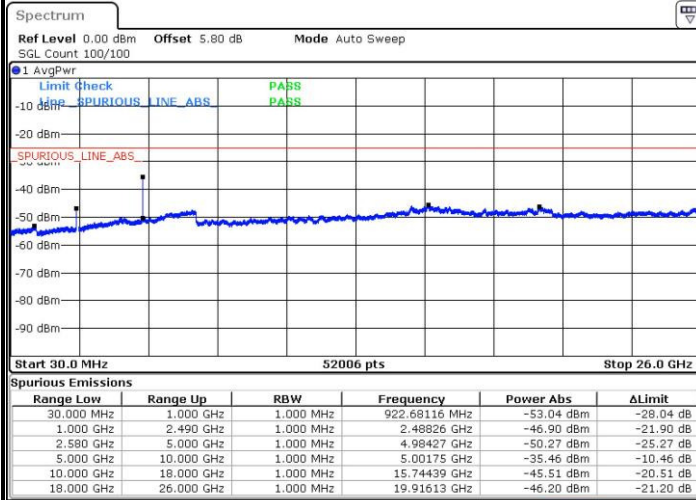


Date: 6 JUN 2016 09:54:46



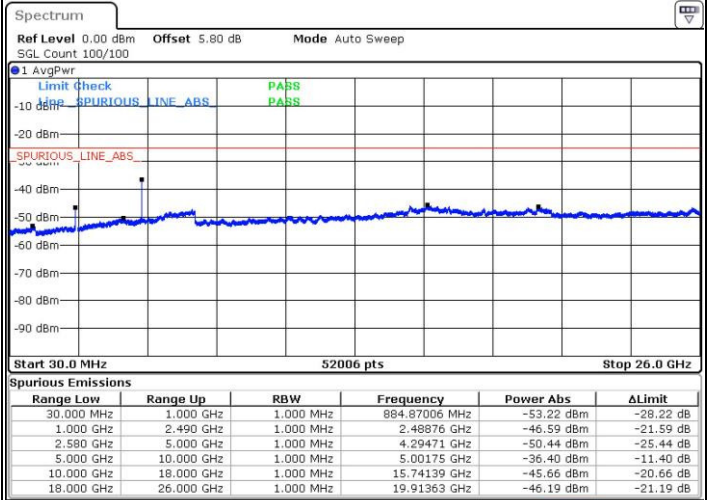
LTE Band 7 / 15MHz

Lowest Channel / QPSK



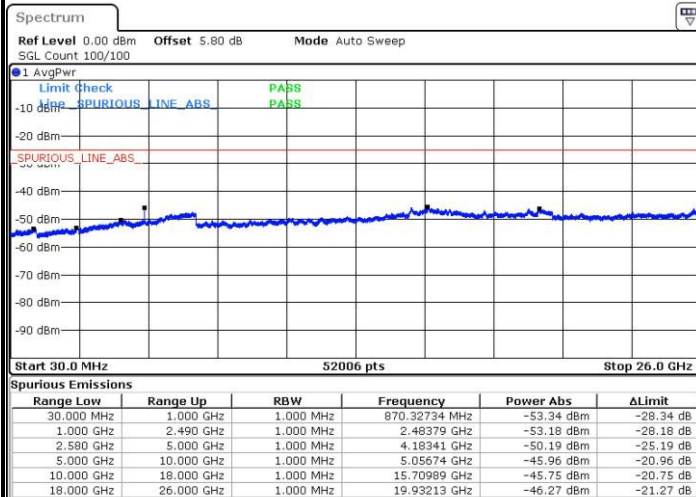
Date: 6 JUN 2016 10:06:54

Lowest Channel / 16QAM



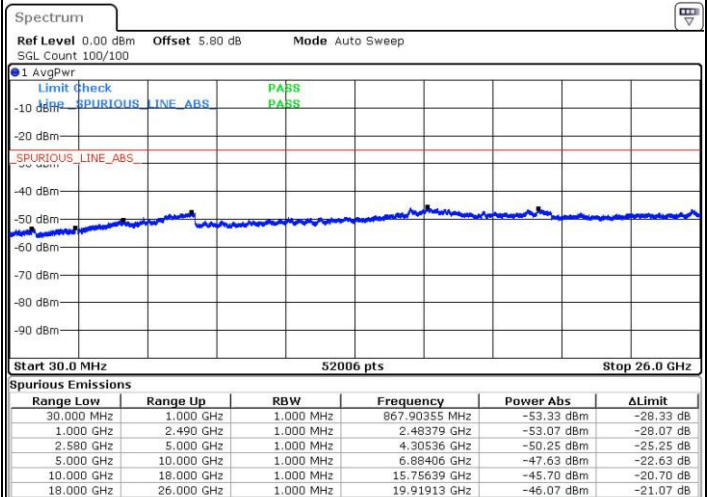
Date: 6 JUN 2016 10:07:48

Middle Channel / QPSK



Date: 6 JUN 2016 10:09:38

Middle Channel / 16QAM

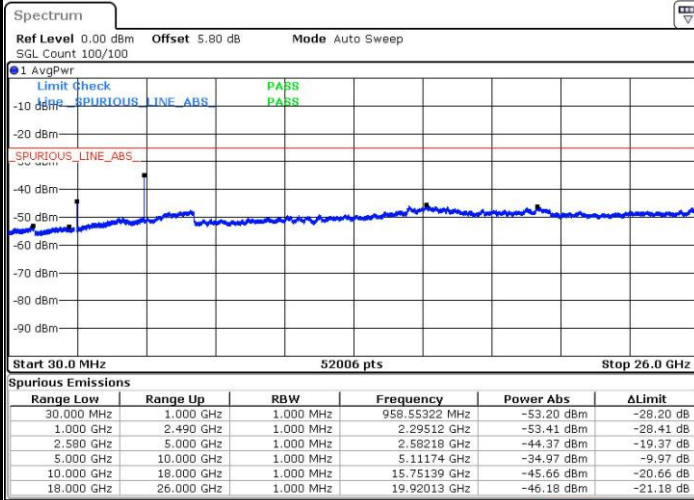


Date: 6 JUN 2016 10:08:43



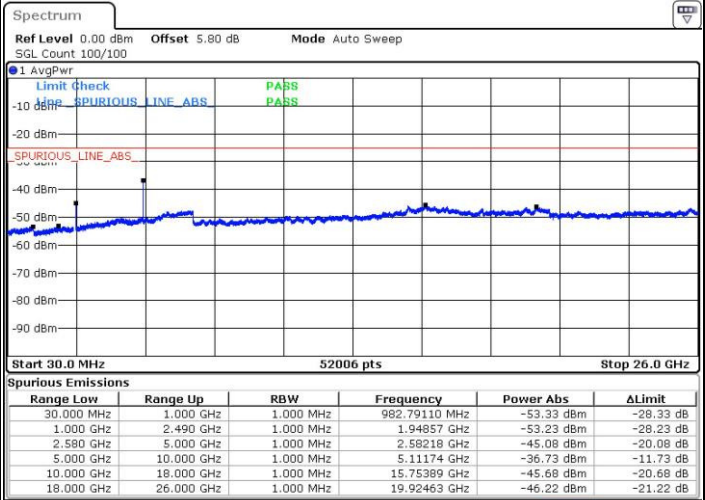
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 6 JUN 2016 10:10:32

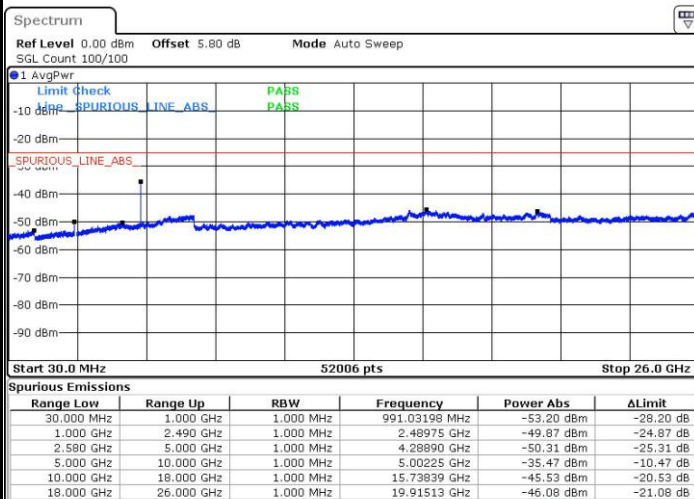
Highest Channel / 16QAM



Date: 6 JUN 2016 10:11:27

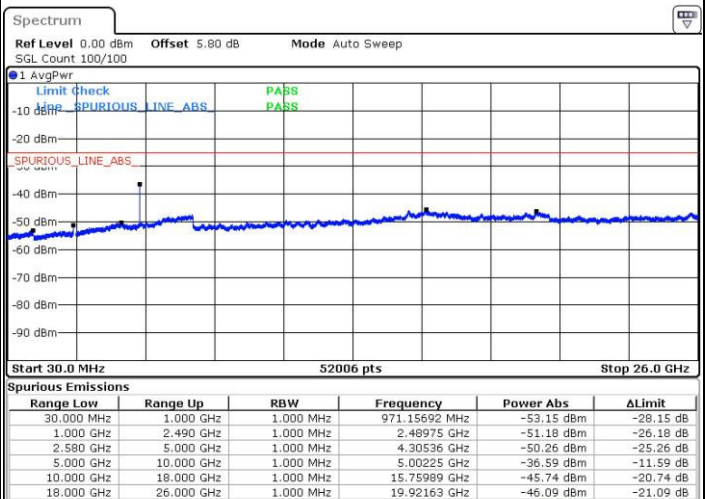
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 6 JUN 2016 10:23:36

Lowest Channel / 16QAM

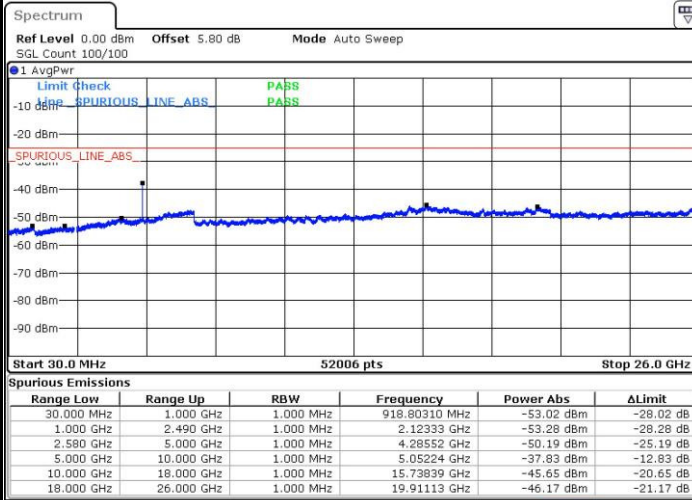


Date: 6 JUN 2016 10:24:30



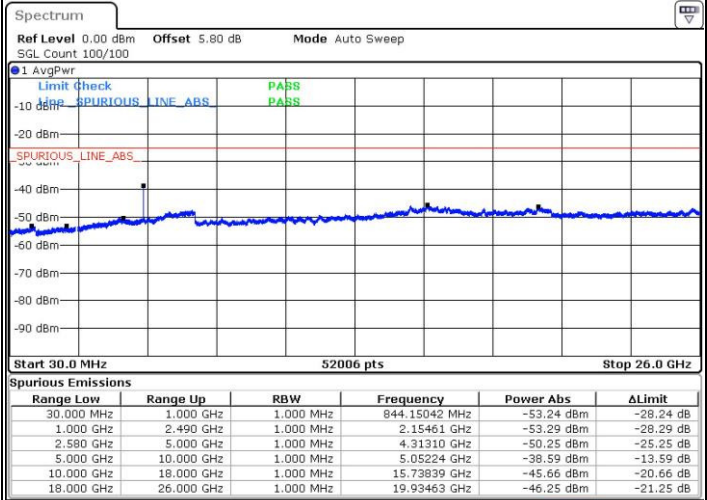
LTE Band 7 / 20MHz

Middle Channel / QPSK



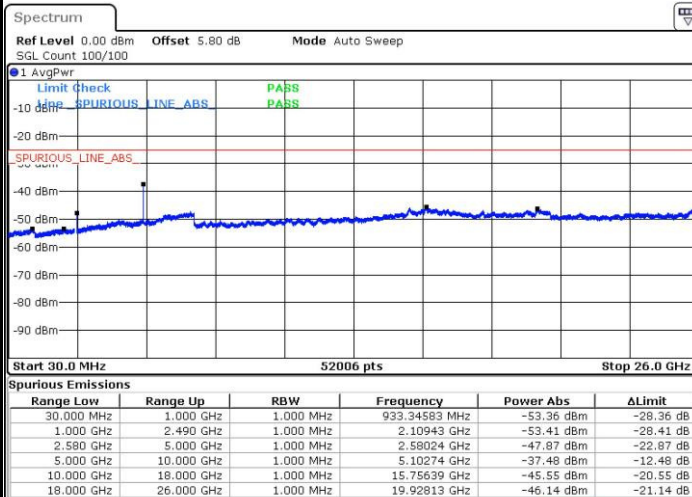
Date: 6 JUN 2016 10:26:20

Middle Channel / 16QAM



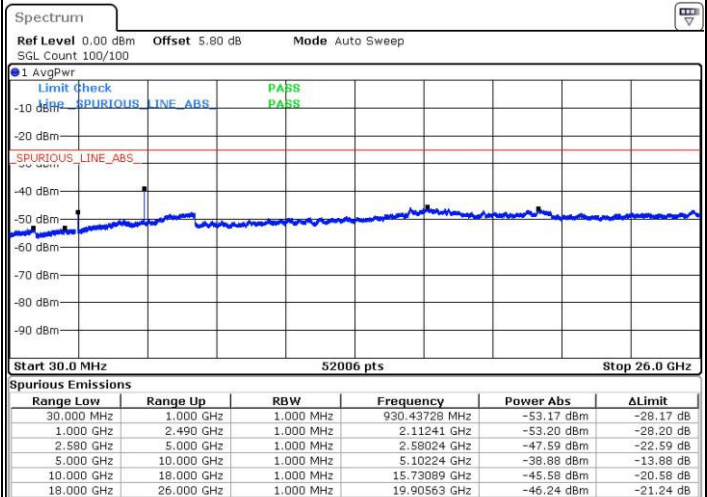
Date: 6 JUN 2016 10:25:25

Highest Channel / QPSK



Date: 6 JUN 2016 10:27:14

Highest Channel / 16QAM



Date: 6 JUN 2016 10:28:09

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	0.0010	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0020	
20	Battery End Point	0.0039	

Note:

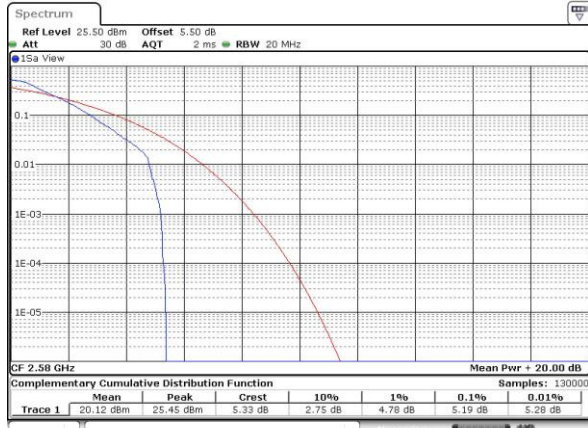
1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



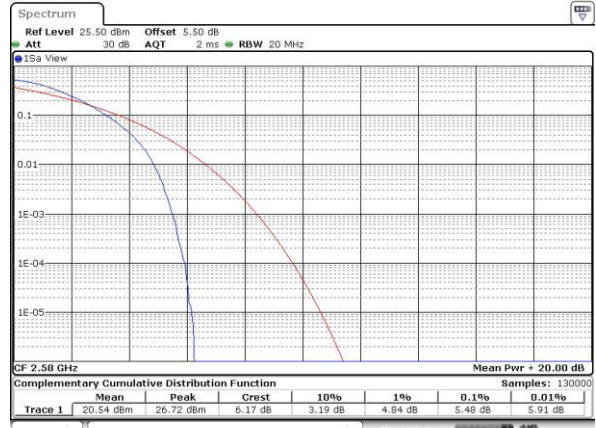
LTE Band 38

Peak-to-Average Ratio

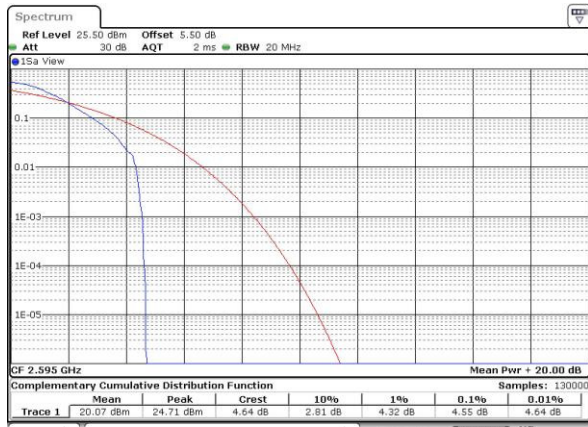
Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.19	5.48	5.57	5.68	PASS
Middle CH	4.55	5.10	5.97	6.43	
Highest CH	4.55	5.59	5.83	6.29	

**LTE Band 38 / 20MHz / QPSK****Lowest Channel / 1RB**

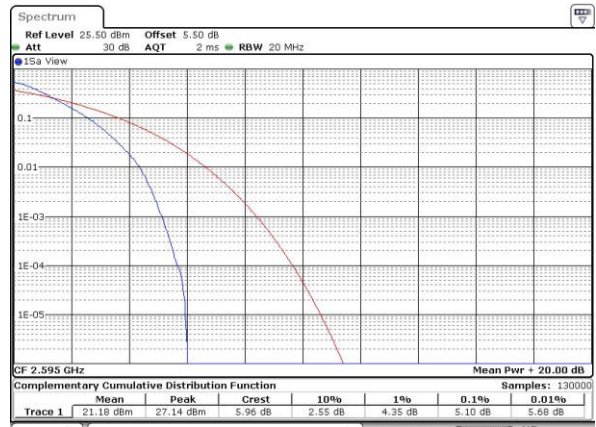
Date: 6 JUN 2016 20:27:41

Lowest Channel / Full RB

Date: 6 JUN 2016 20:27:55

Middle Channel / 1RB

Date: 6 JUN 2016 20:25:15

Middle Channel / Full RB

Date: 6 JUN 2016 20:25:34

Highest Channel / 1RB

Date: 6 JUN 2016 20:26:30

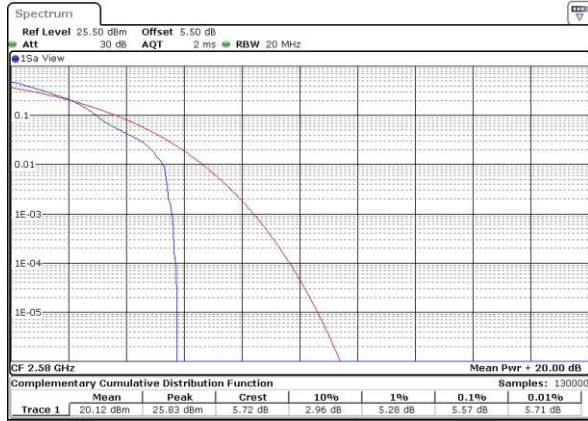
Highest Channel / Full RB

Date: 6 JUN 2016 20:26:18



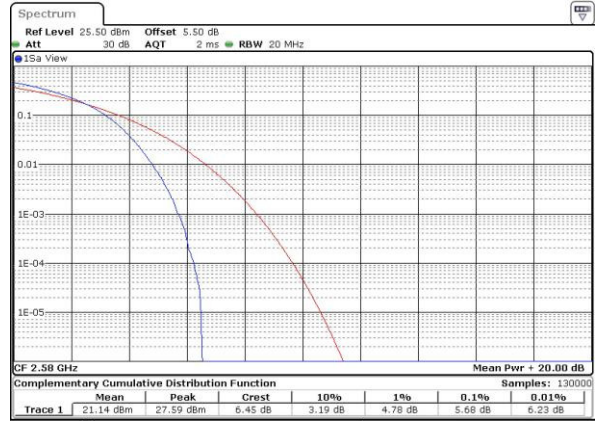
LTE Band 38 / 20MHz / 16QAM

Lowest Channel / 1RB



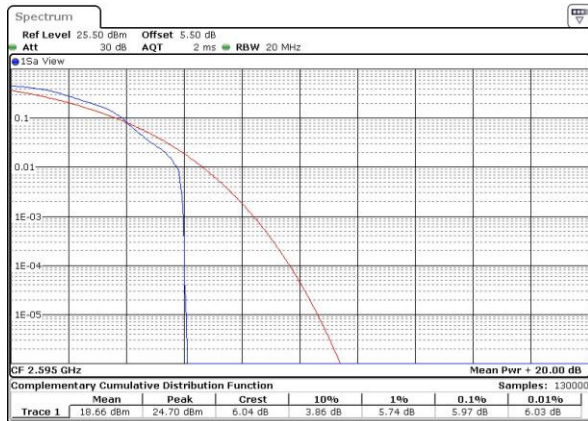
Date: 6 JUN 2016 20:27:08

Lowest Channel / Full RB



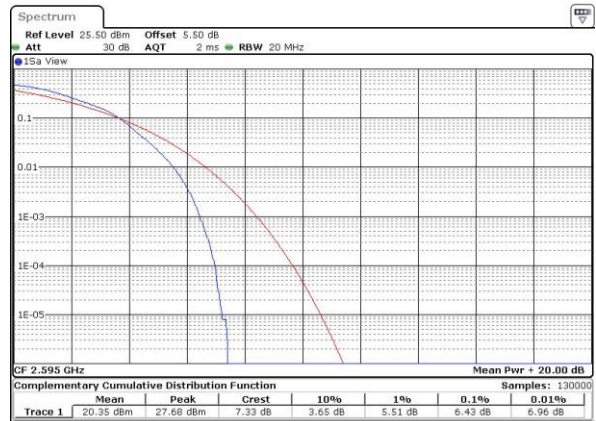
Date: 6 JUN 2016 20:28:13

Middle Channel / 1RB



Date: 6 JUN 2016 20:24:58

Middle Channel / Full RB



Date: 6 JUN 2016 20:25:50

Highest Channel / 1RB



Date: 6 JUN 2016 20:26:51

Highest Channel / Full RB



Date: 6 JUN 2016 20:26:03

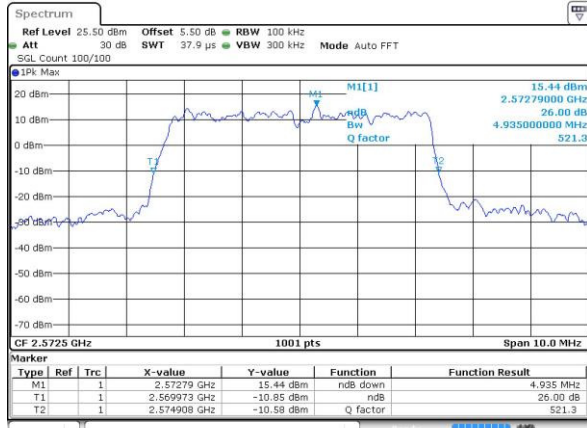
**26dB Bandwidth**

Mode	LTE Band 38 : 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	-	-	-	-	4.935	4.895	9.650	9.630	14.116	14.206	20.140	20.060
Middle CH	-	-	-	-	4.935	4.715	9.630	9.650	14.356	14.146	20.220	20.300
Highest CH	-	-	-	-	5.155	4.795	9.750	10.01	14.326	14.086	20.220	20.020



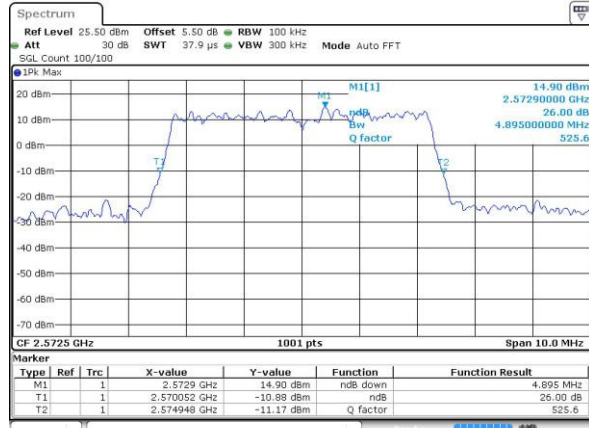
LTE Band 38

Lowest Channel / 5MHz / QPSK



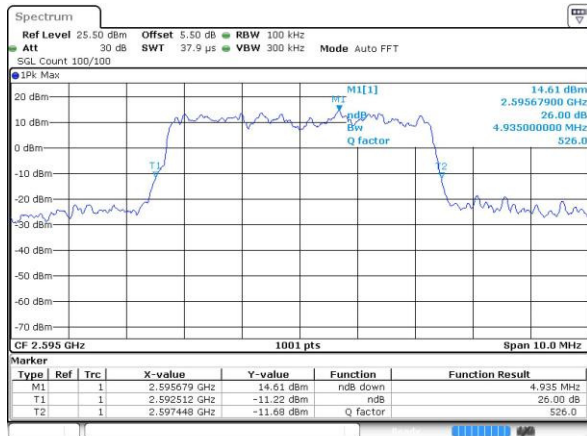
Date: 6 JUN 2016 17:24:12

Lowest Channel / 5MHz / 16QAM



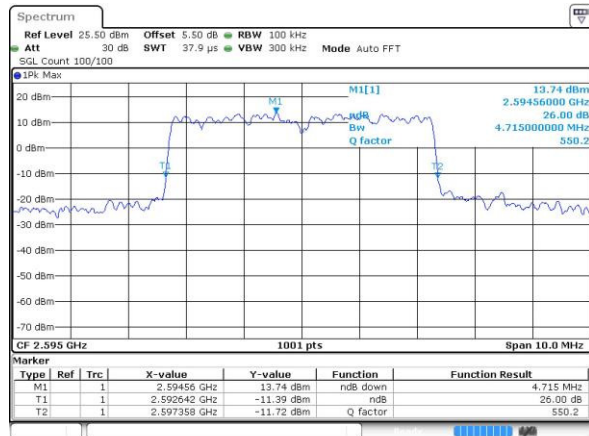
Date: 6 JUN 2016 17:25:04

Middle Channel / 5MHz / QPSK



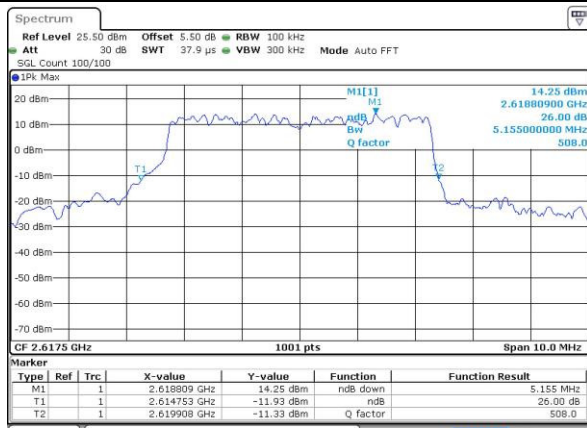
Date: 6 JUN 2016 17:25:45

Middle Channel / 5MHz / 16QAM



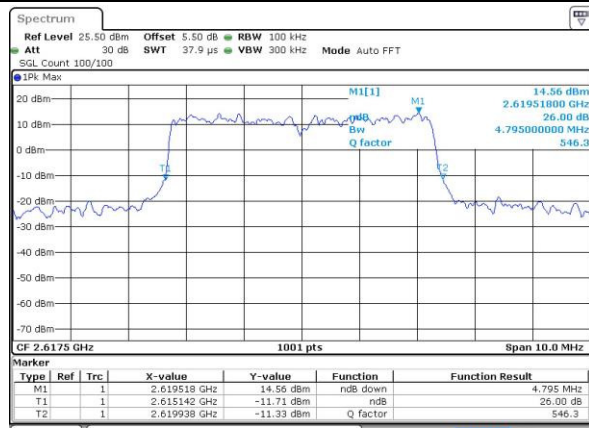
Date: 6 JUN 2016 17:25:26

Highest Channel / 5MHz / QPSK



Date: 6 JUN 2016 17:26:16

Highest Channel / 5MHz / 16QAM

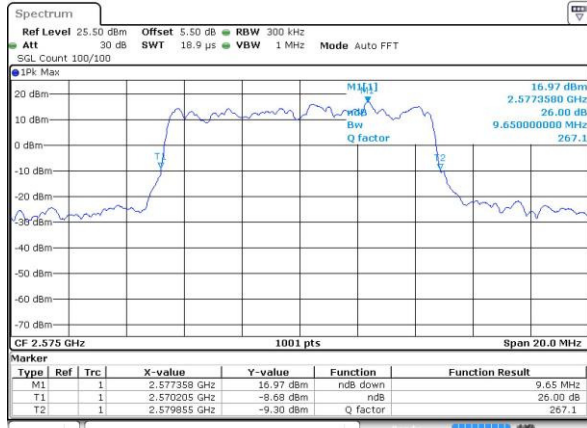


Date: 6 JUN 2016 17:26:38

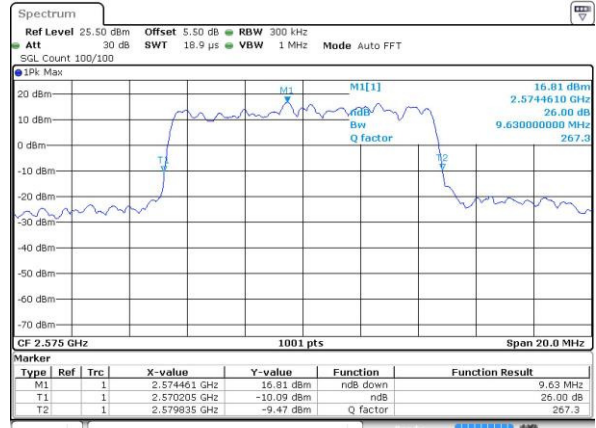


LTE Band 38

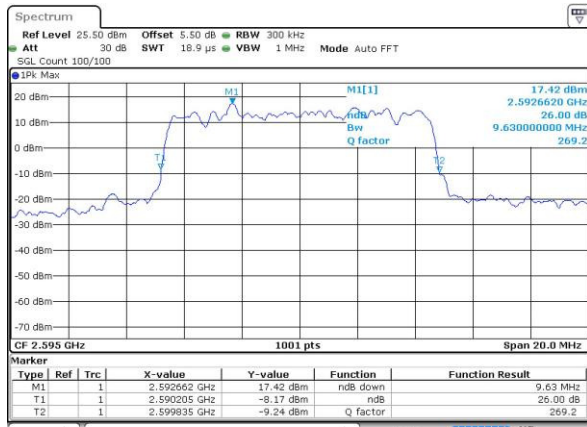
Lowest Channel / 10MHz / QPSK



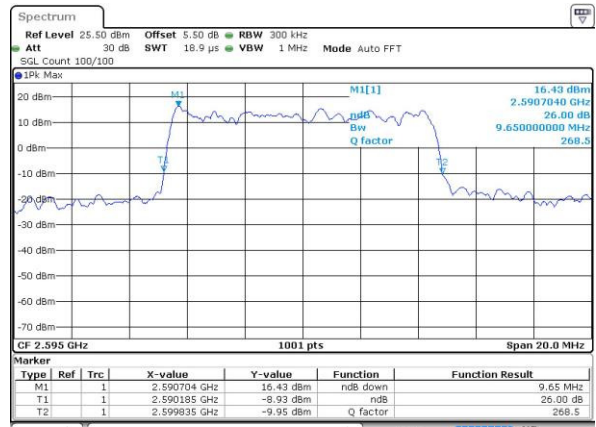
Lowest Channel / 10MHz / 16QAM



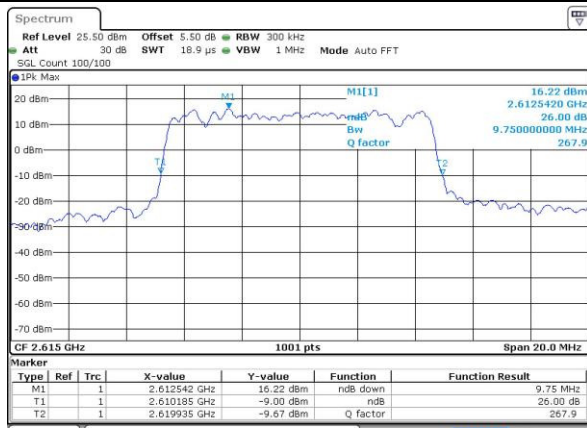
Middle Channel / 10MHz / QPSK



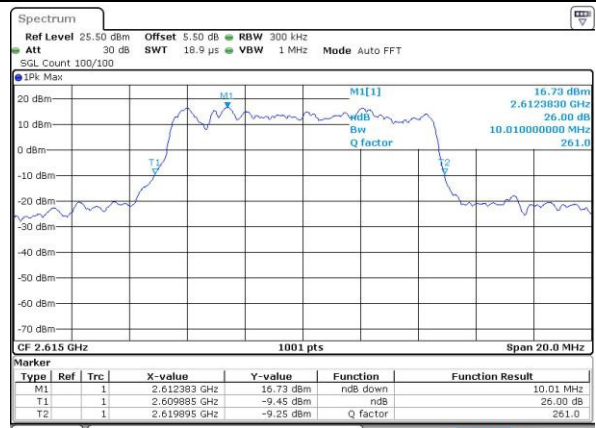
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



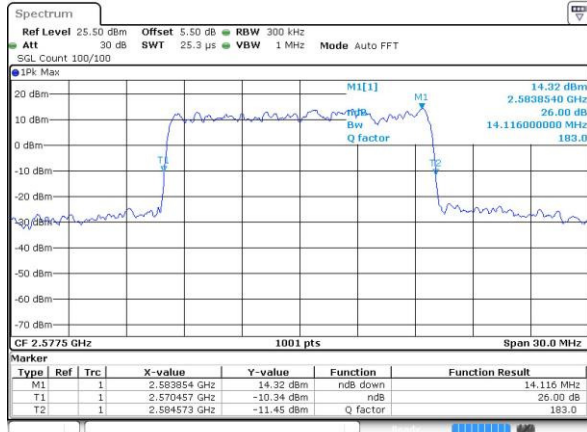
Highest Channel / 10MHz / 16QAM





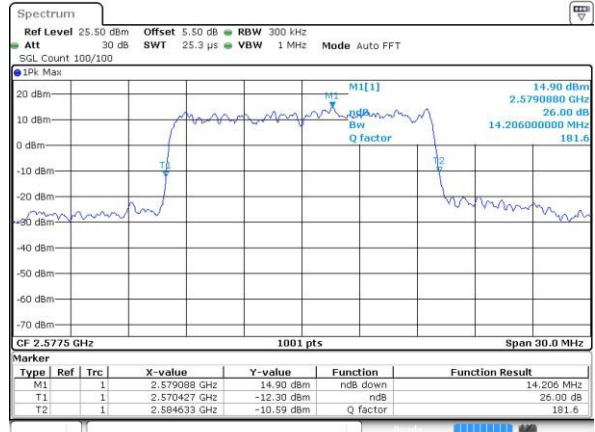
LTE Band 38

Lowest Channel / 15MHz / QPSK



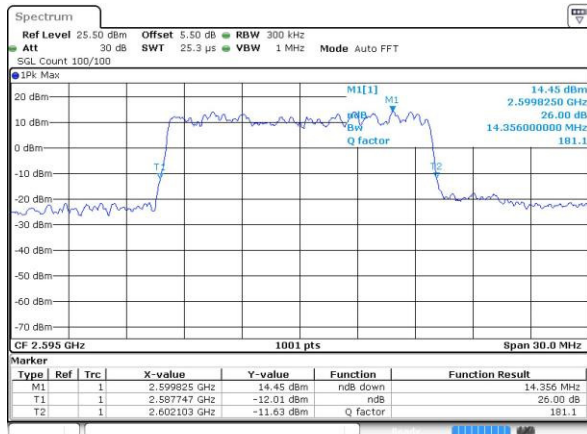
Date: 6 JUN 2016 17:29:45

Lowest Channel / 15MHz / 16QAM



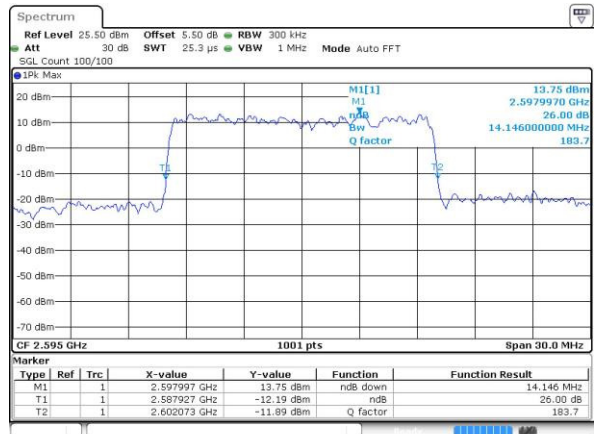
Date: 6 JUN 2016 17:30:05

Middle Channel / 15MHz / QPSK



Date: 6 JUN 2016 17:30:45

Middle Channel / 15MHz / 16QAM



Date: 6 JUN 2016 17:30:25

Highest Channel / 15MHz / QPSK



Date: 6 JUN 2016 17:31:06

Highest Channel / 15MHz / 16QAM

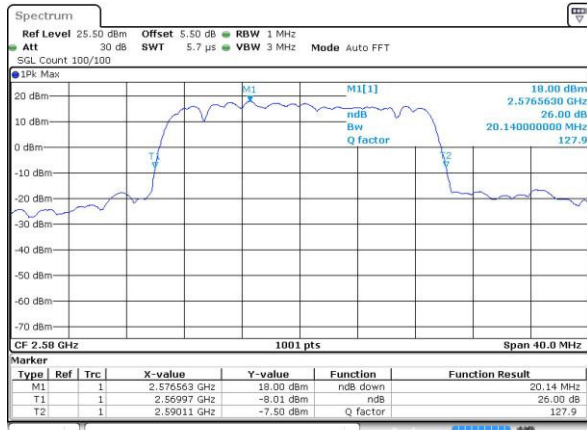


Date: 6 JUN 2016 17:31:28

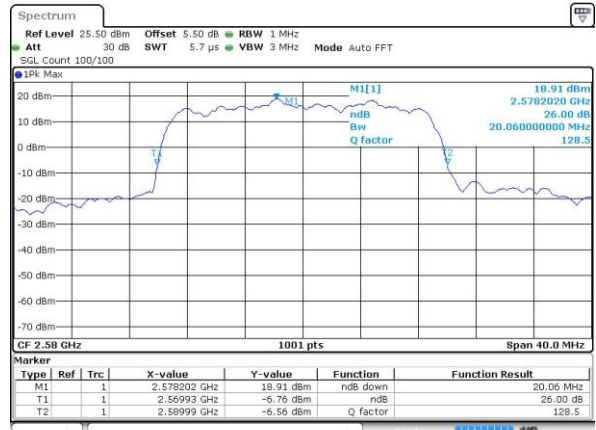


LTE Band 38

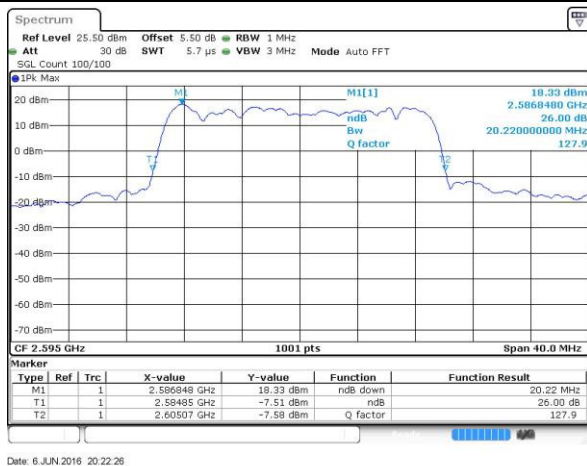
Lowest Channel / 20MHz / QPSK



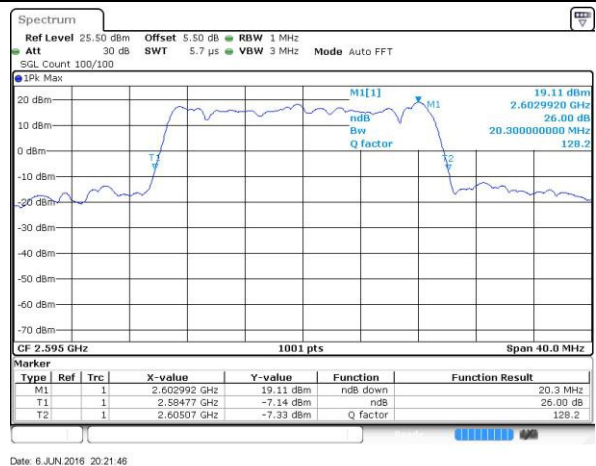
Lowest Channel / 20MHz / 16QAM



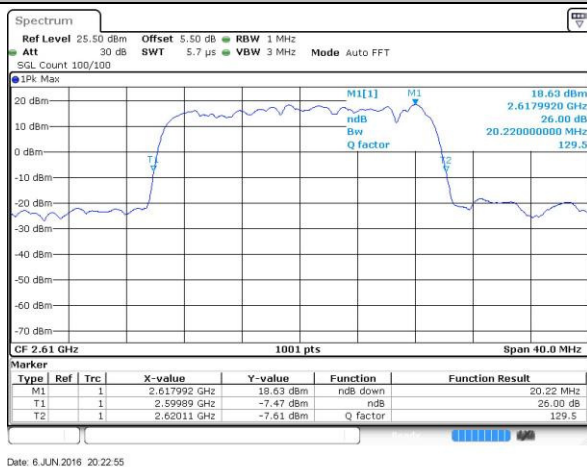
Middle Channel / 20MHz / QPSK



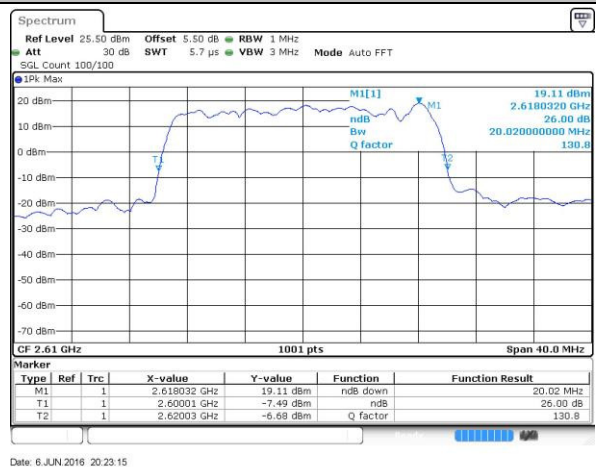
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



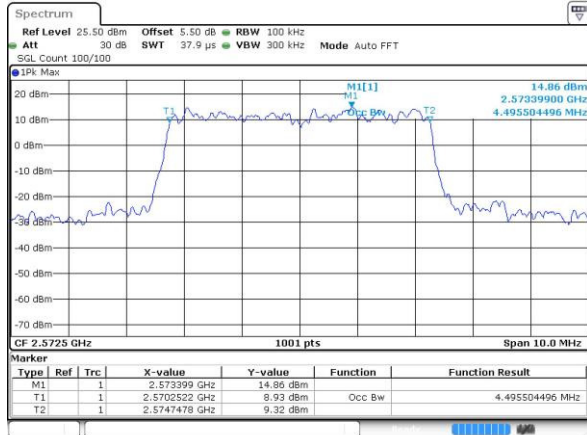
**Occupied Bandwidth**

Mode	LTE Band 38 : 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	-	-	-	-	4.50	4.50	9.05	9.01	13.31	13.52	18.06	18.18
Middle CH	-	-	-	-	4.51	4.52	9.09	9.05	13.46	13.40	18.38	18.42
Highest CH	-	-	-	-	4.48	4.50	9.01	9.05	13.40	13.43	18.26	18.10

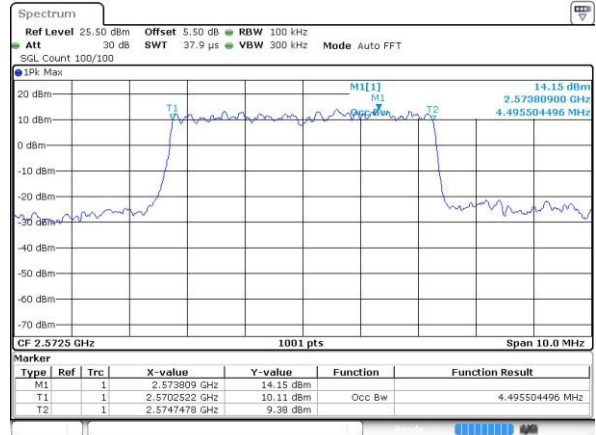


LTE Band 38

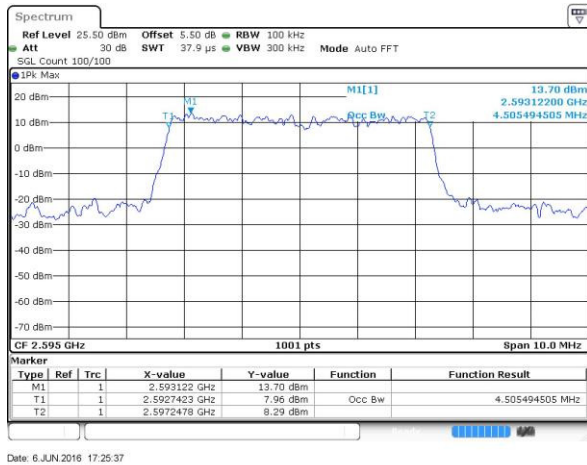
Lowest Channel / 5MHz / QPSK



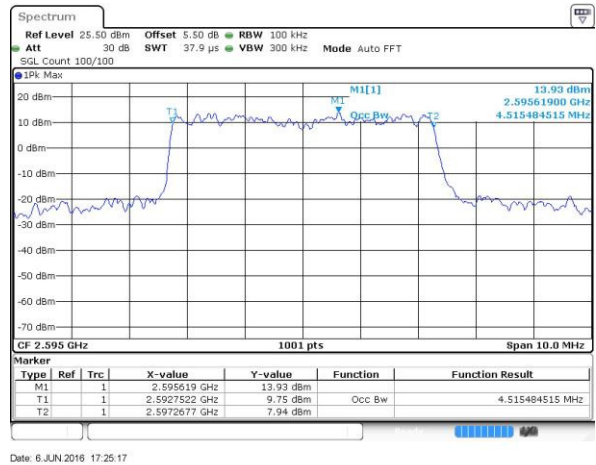
Lowest Channel / 5MHz / 16QAM



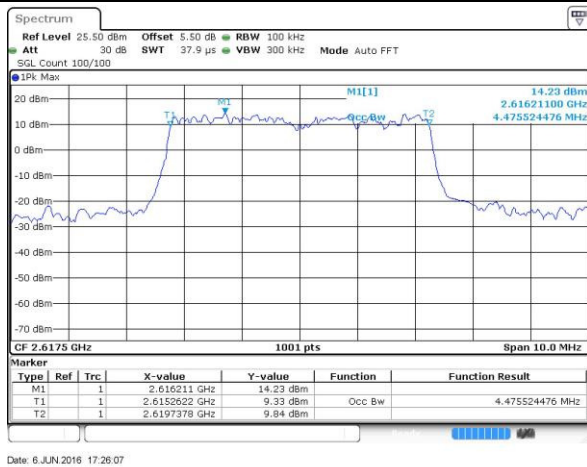
Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM

