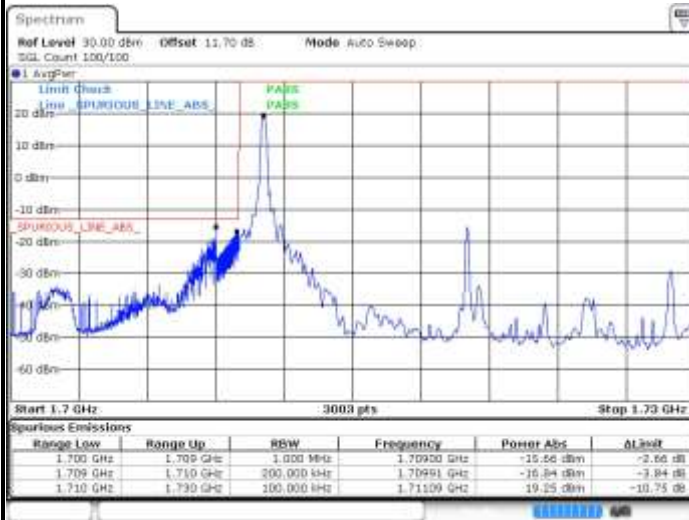




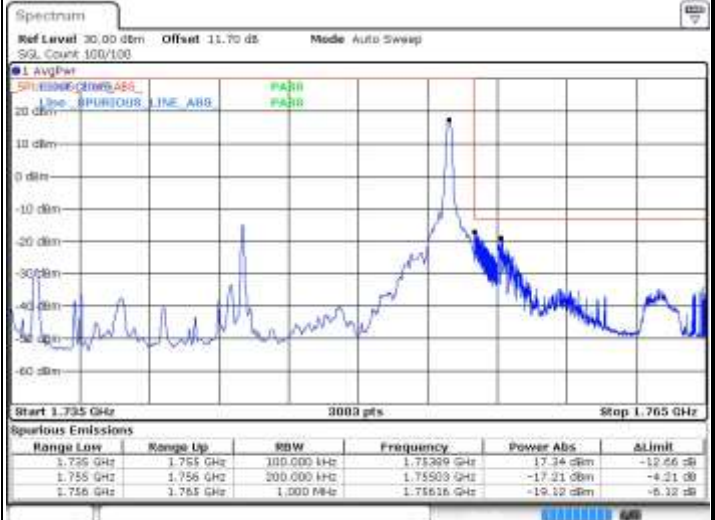
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



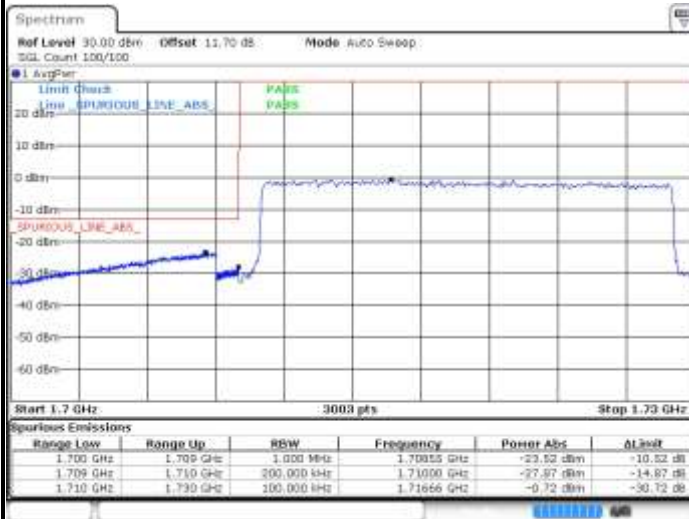
Date: 19 JAN 2017 00:39:51

Highest Band Edge / 1 RB



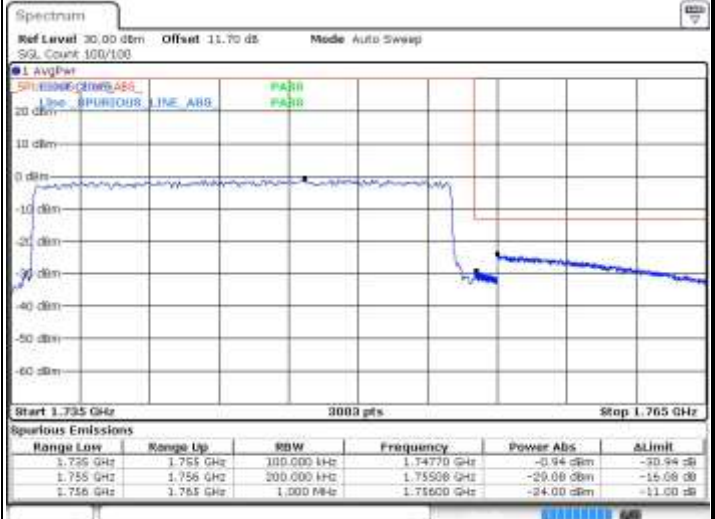
Date: 19 JAN 2017 01:05:11

Lowest Band Edge / Full RB



Date: 19 JAN 2017 00:42:09

Highest Band Edge / Full RB



Date: 19 JAN 2017 01:07:29



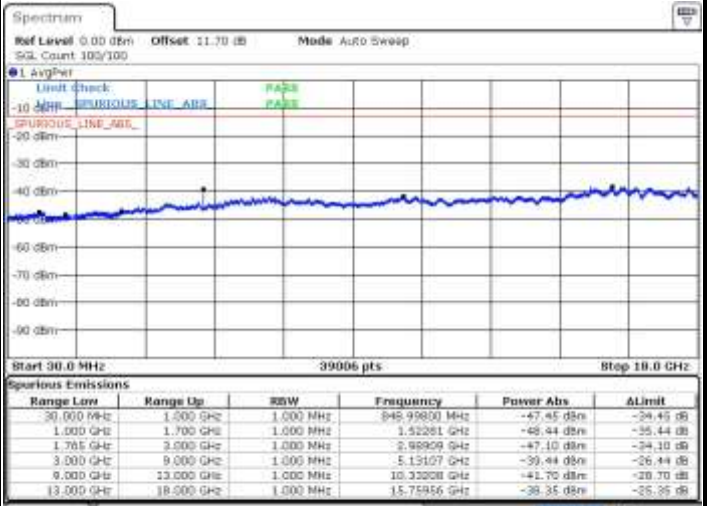
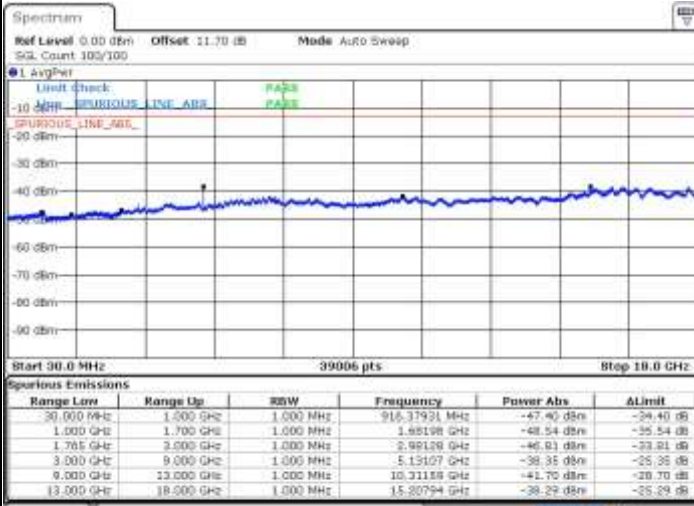
**Conducted Spurious Emission**



LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

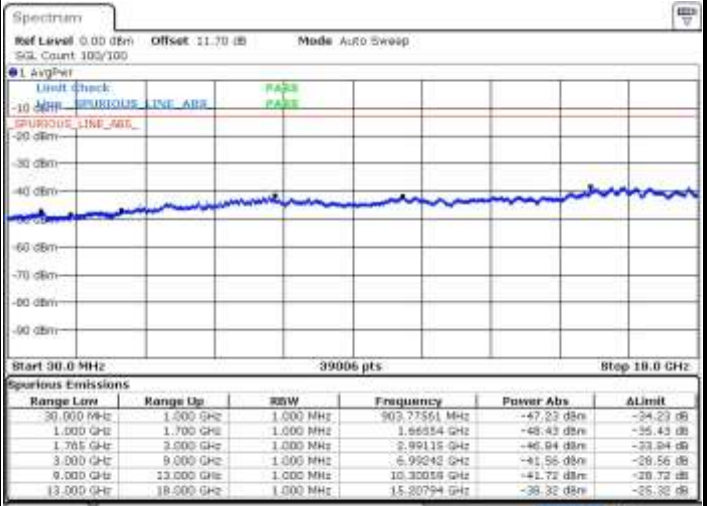
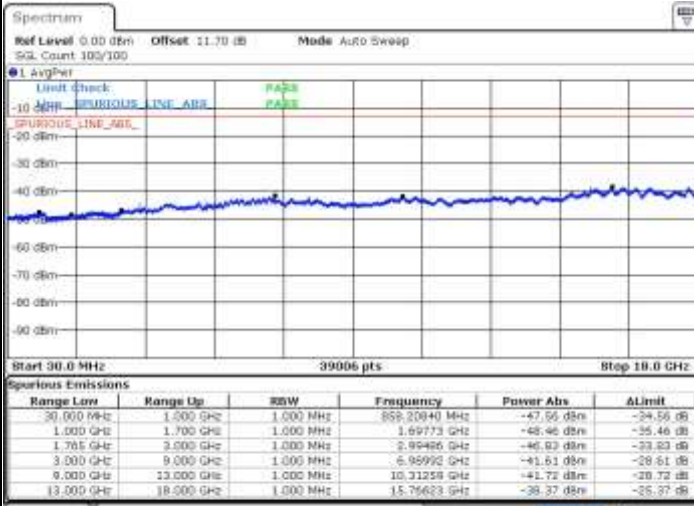


Date: 19 JAN 2017 01:15:52

Date: 19 JAN 2017 01:16:25

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 19 JAN 2017 01:16:02

Date: 19 JAN 2017 01:16:57



LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 18 JAN 2017 01:25:10

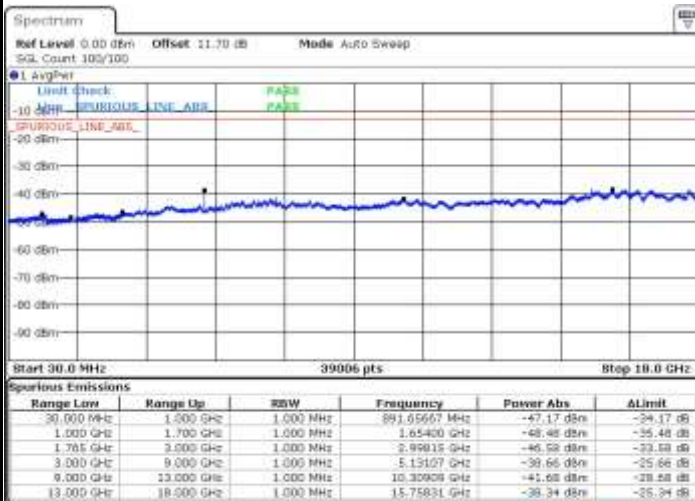
Highest Channel / 16QAM



Date: 18 JAN 2017 01:26:04

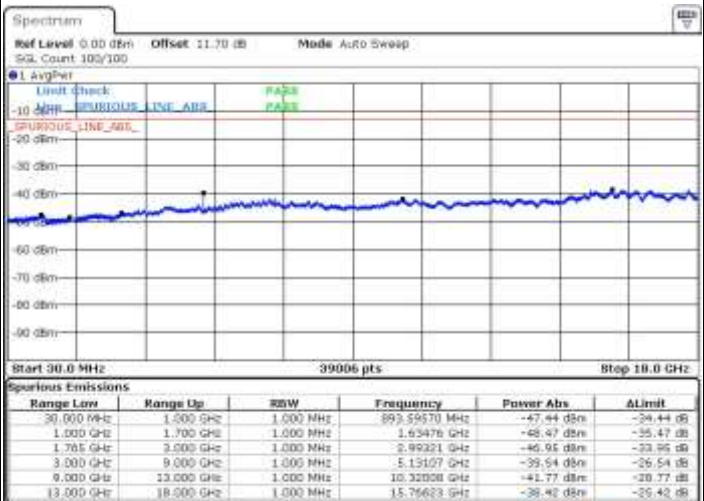
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 18 JAN 2017 23:50:45

Lowest Channel / 16QAM



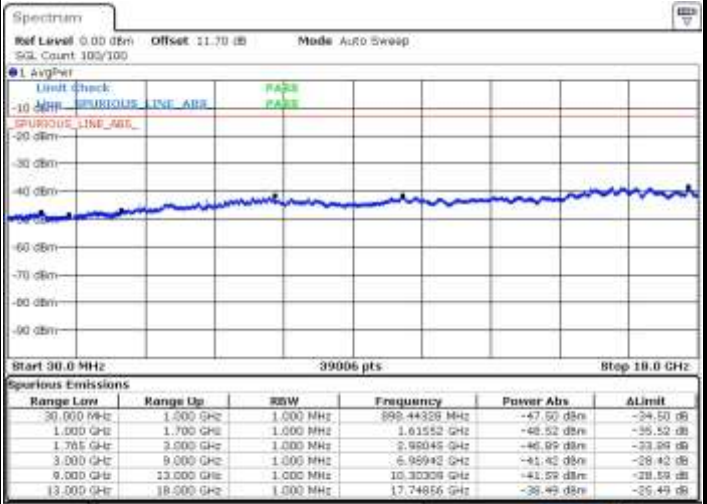
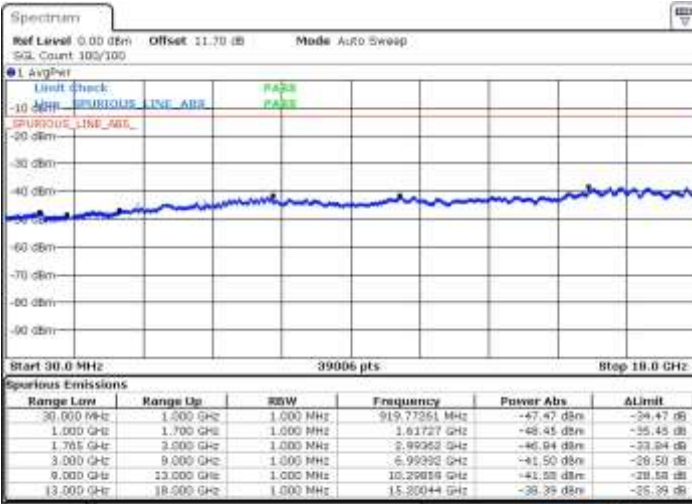
Date: 18 JAN 2017 23:51:40



LTE Band 4 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

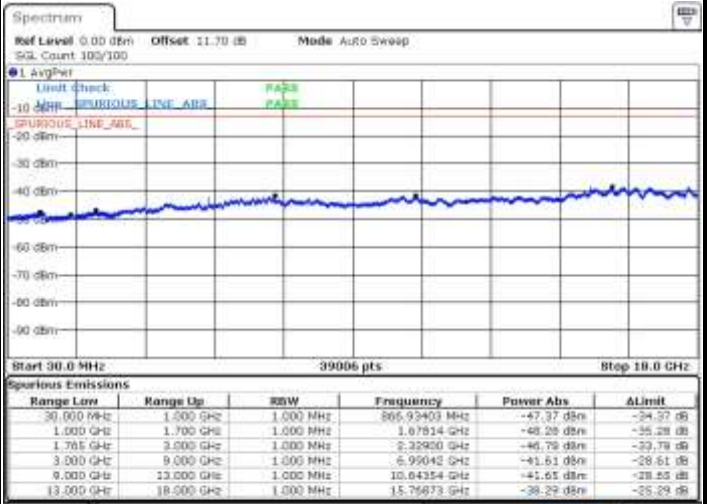
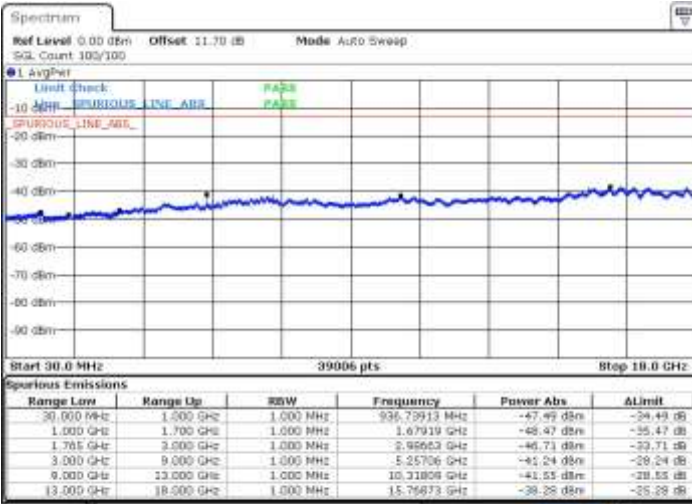


Date: 18 JAN 2017 23:53:16

Date: 18 JAN 2017 23:54:10

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 18 JAN 2017 23:40:25

Date: 18 JAN 2017 23:41:17



LTE Band 4 / 5MHz

Lowest Channel / QPSK



Date: 18 JAN 2017 23:47:29

Lowest Channel / 16QAM



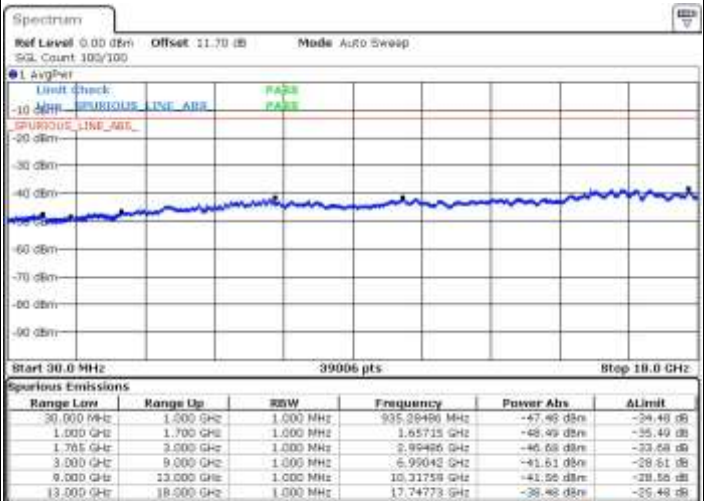
Date: 18 JAN 2017 23:48:24

Middle Channel / QPSK



Date: 18 JAN 2017 23:50:00

Middle Channel / 16QAM



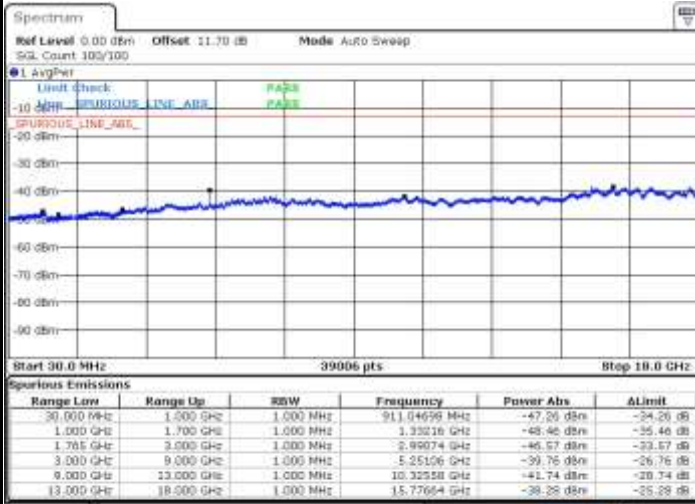
Date: 18 JAN 2017 23:50:54





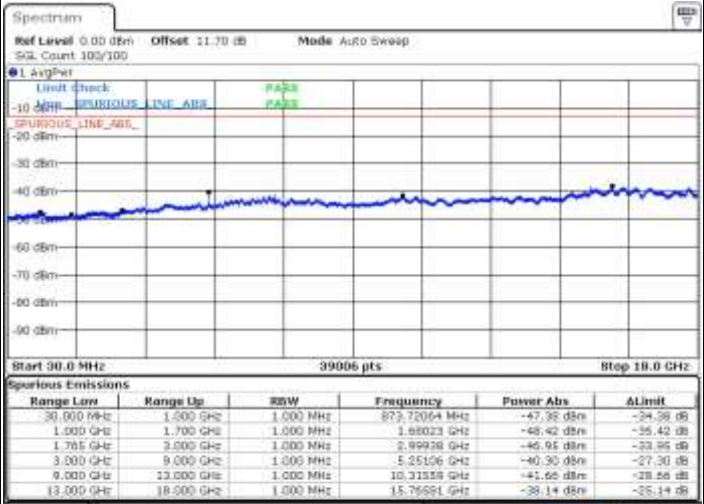
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 18 JAN 2017 23:57:07

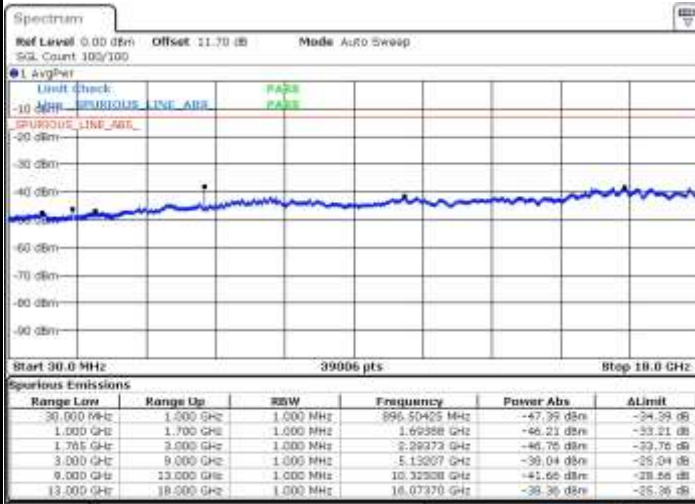
Highest Channel / 16QAM



Date: 18 JAN 2017 23:56:01

LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 18 JAN 2017 00:04:15

Lowest Channel / 16QAM



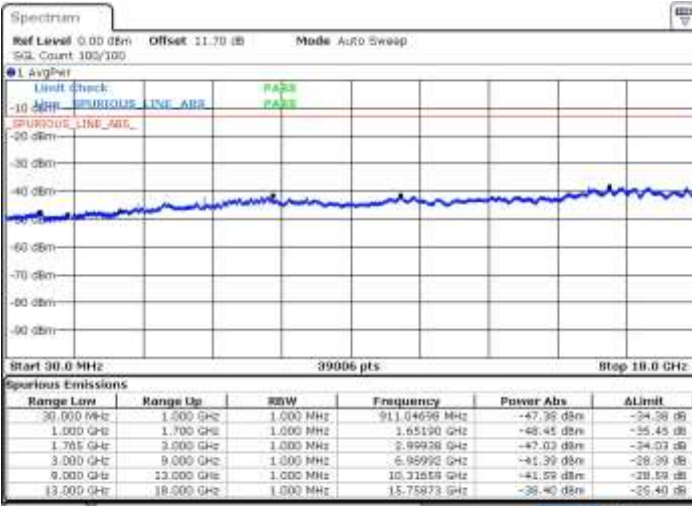
Date: 18 JAN 2017 00:05:06



LTE Band 4 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

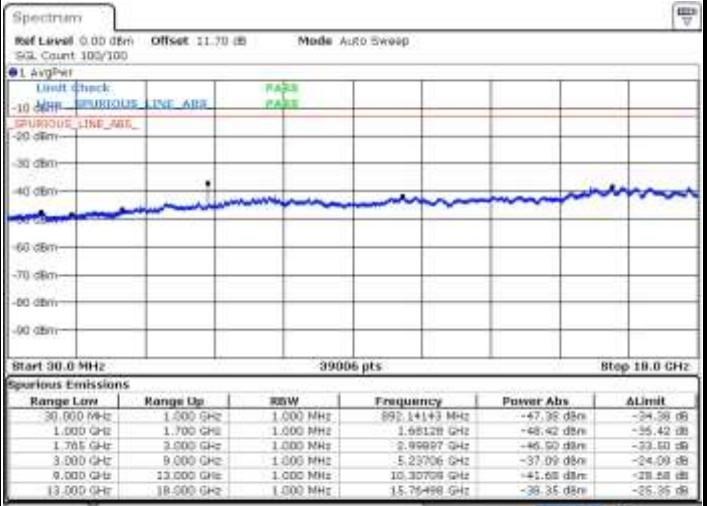
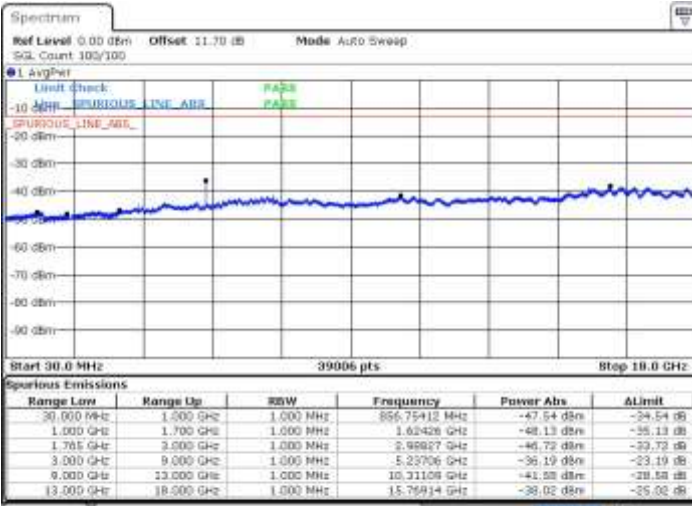


Date: 19 JAN 2017 00:06:44

Date: 19 JAN 2017 00:07:55

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19 JAN 2017 00:15:51

Date: 19 JAN 2017 00:14:45

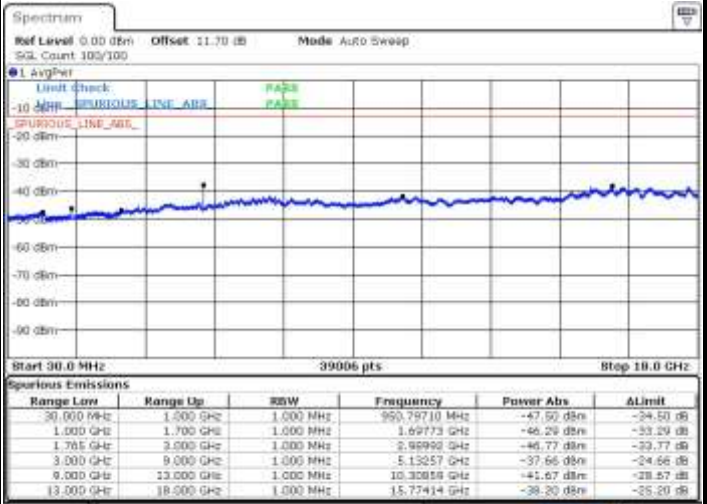
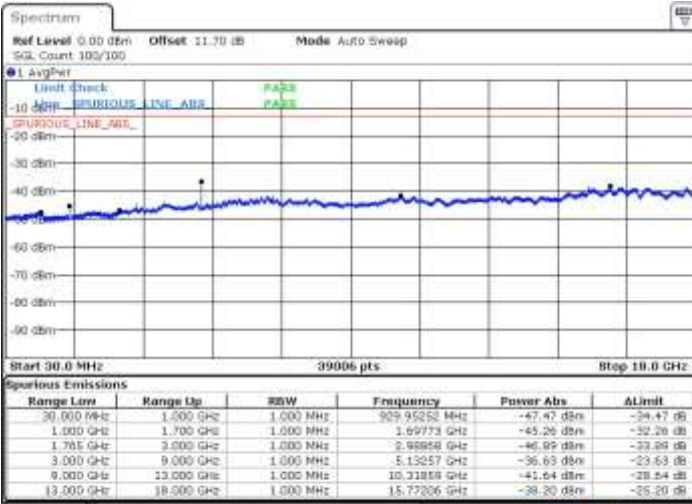




LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

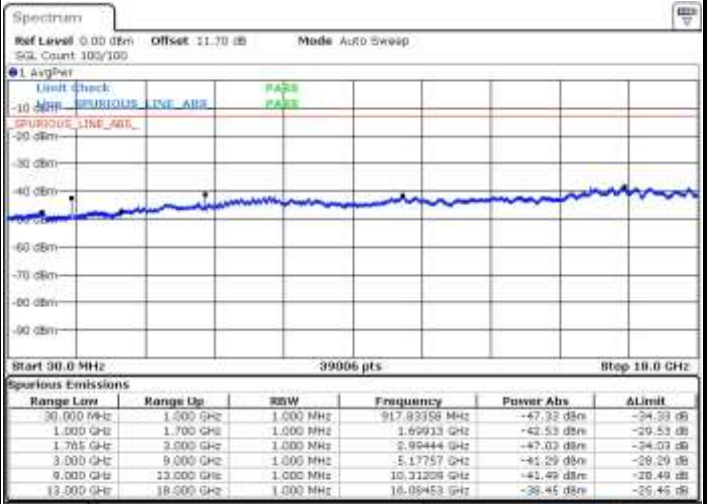
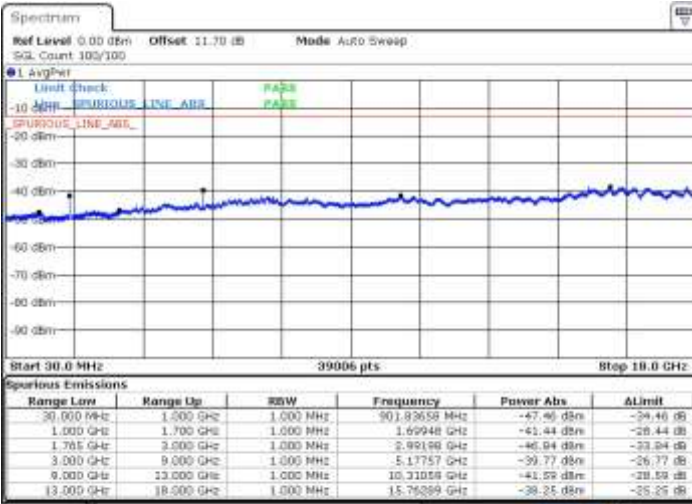


Date: 19 JAN 2017 00:26:20

Date: 19 JAN 2017 00:27:14

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 19 JAN 2017 00:26:50

Date: 19 JAN 2017 00:29:45



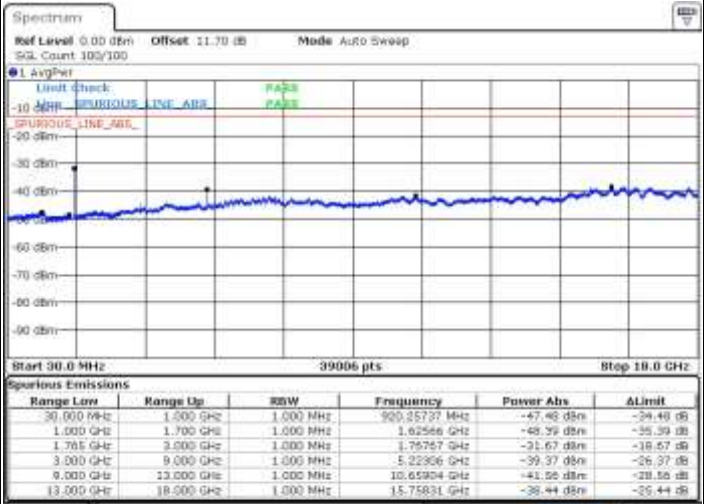
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 19 JAN 2017 00:35:57

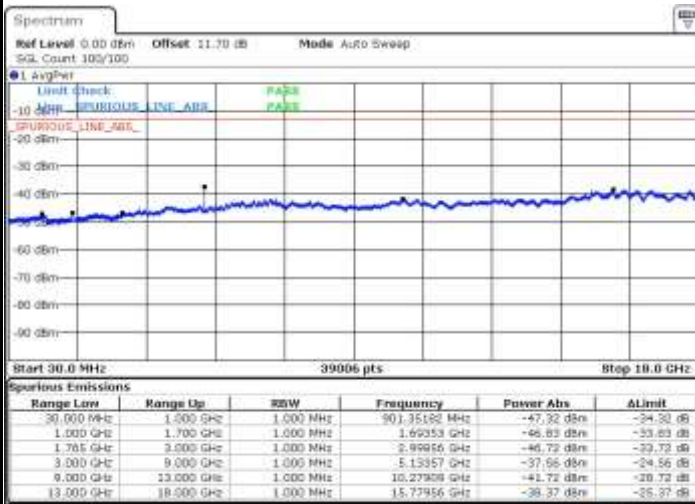
Highest Channel / 16QAM



Date: 19 JAN 2017 00:36:52

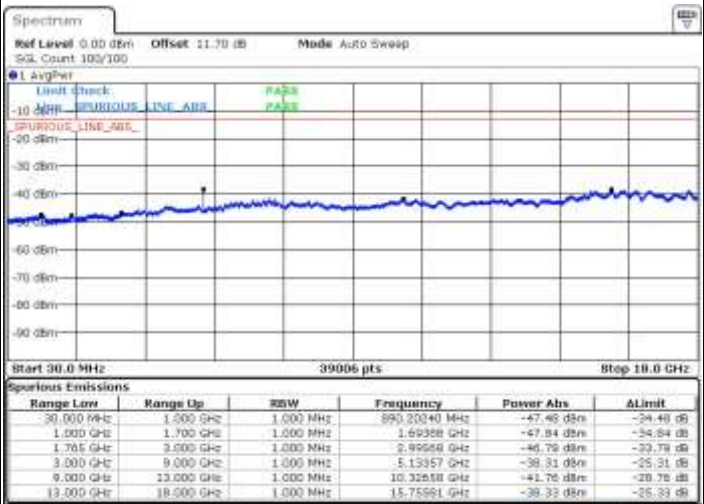
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 19 JAN 2017 00:43:04

Lowest Channel / 16QAM

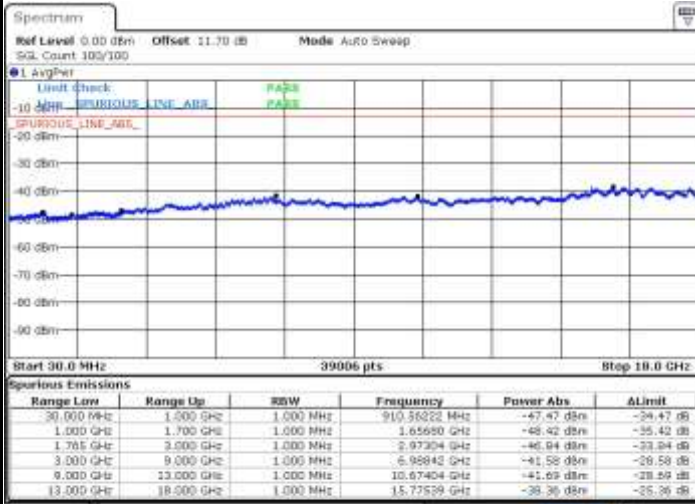


Date: 19 JAN 2017 00:43:59



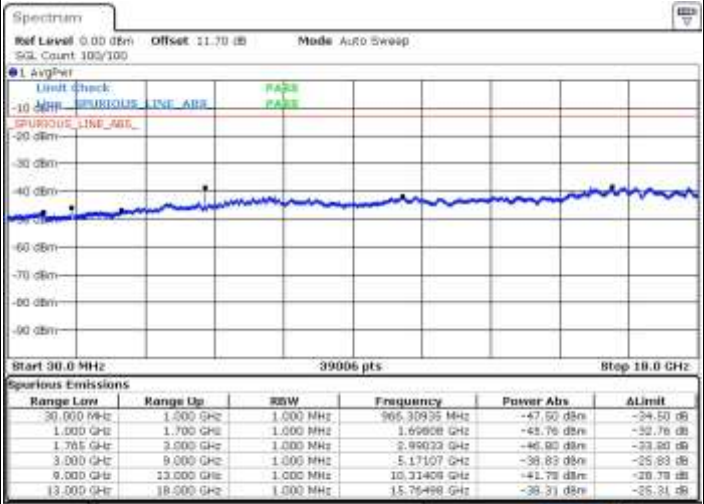
LTE Band 4 / 20MHz

Middle Channel / QPSK



Date: 19\_JAN\_2017 00:45:35

Middle Channel / 16QAM



Date: 19\_JAN\_2017 01:02:12

Highest Channel / QPSK



Date: 19\_JAN\_2017 01:06:24

Highest Channel / 16QAM



Date: 19\_JAN\_2017 01:08:19



**Frequency Stability**

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0047	PASS
40	Normal Voltage	0.0033	
30	Normal Voltage	0.0041	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0040	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0034	

**Note:**

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 12

<Ant. 1>

### Peak-to-Average Ratio

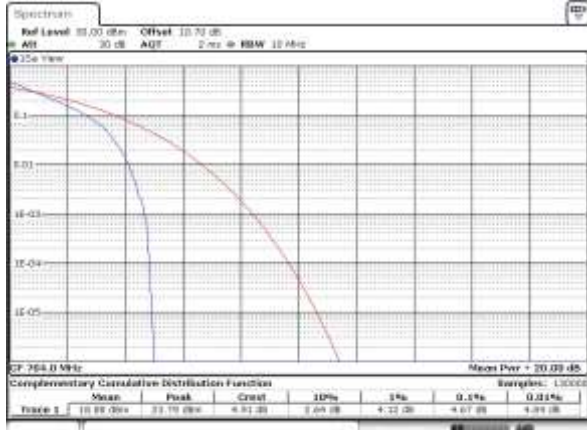
Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.67	5.1	5.57	5.97	PASS
Middle CH	5.19	4.75	5.86	5.62	
Highest CH	4.29	4.87	5.22	5.8	





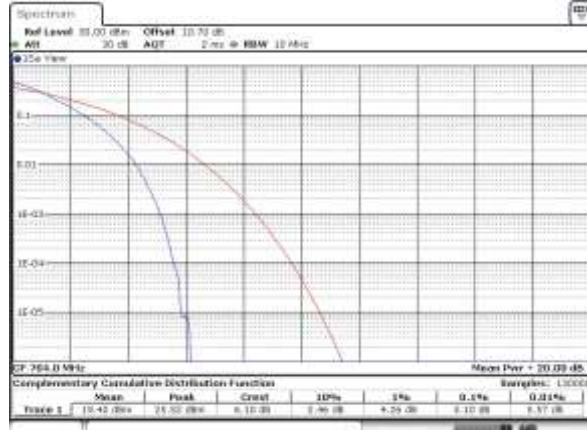
LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



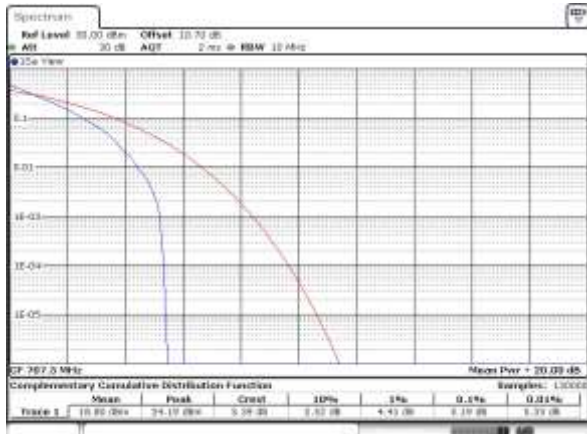
Date: 19\_JAN 2017 11:42:30

Lowest Channel / Full RB



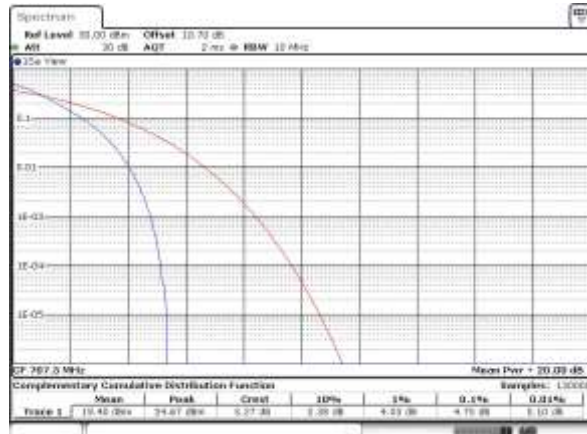
Date: 19\_JAN 2017 11:42:26

Middle Channel / 1RB



Date: 19\_JAN 2017 11:42:40

Middle Channel / Full RB



Date: 19\_JAN 2017 11:43:10

Highest Channel / 1RB



Date: 19\_JAN 2017 11:43:21

Highest Channel / Full RB

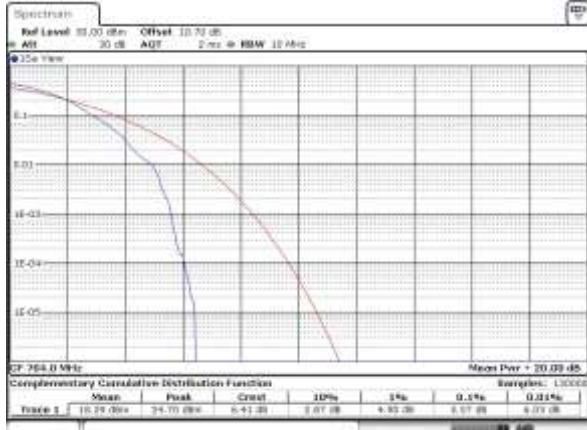


Date: 19\_JAN 2017 11:43:10



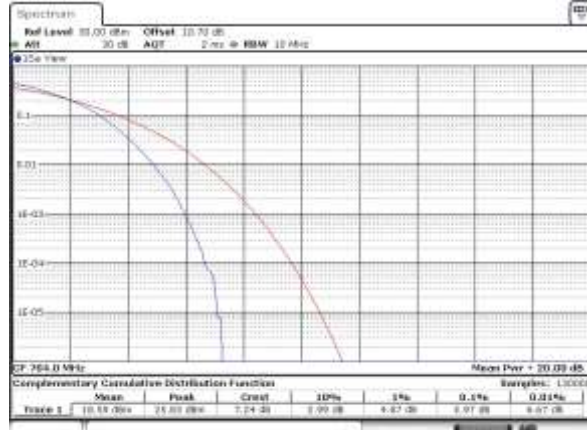
LTE Band 12 / 10MHz / 16QAM

Lowest Channel / 1RB



Date: 19\_JAN 2017 11:41:34

Lowest Channel / Full RB



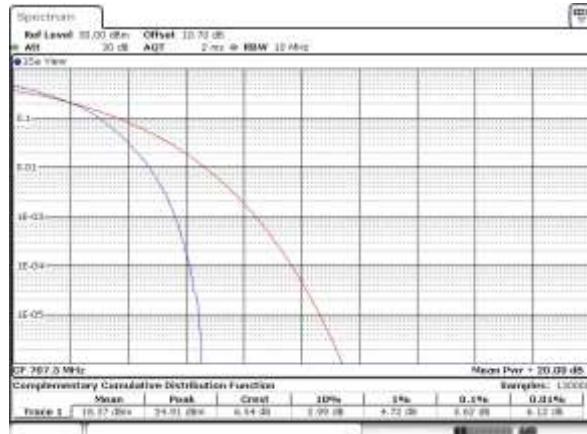
Date: 19\_JAN 2017 11:41:29

Middle Channel / 1RB



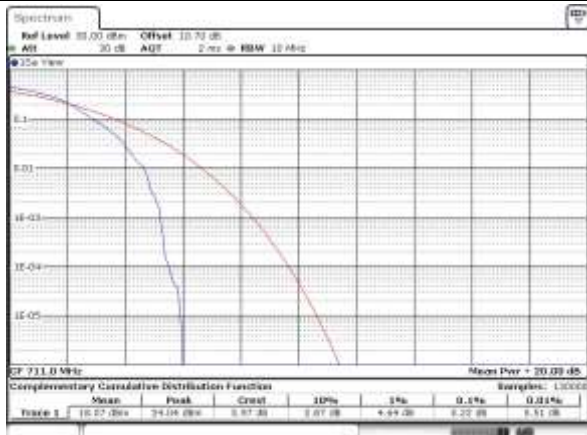
Date: 19\_JAN 2017 11:41:46

Middle Channel / Full RB



Date: 19\_JAN 2017 11:41:36

Highest Channel / 1RB



Date: 19\_JAN 2017 11:42:17

Highest Channel / Full RB



Date: 19\_JAN 2017 11:42:09



**26dB Bandwidth**

Mode	LTE Band 12 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.30	1.33	3.06	3.05	5.05	4.98	10.07	9.81	-	-	-	-
Middle CH	1.30	1.36	3.08	2.97	4.90	4.80	9.63	9.87	-	-	-	-
Highest CH	1.33	1.30	3.02	3.06	4.96	4.89	9.65	9.85	-	-	-	-



LTE Band 12

Lowest Channel / 1.4MHz / QPSK



Date: 19\_JAN 2017 10:58:30

Lowest Channel / 1.4MHz / 16QAM



Date: 19\_JAN 2017 10:58:30

Middle Channel / 1.4MHz / QPSK



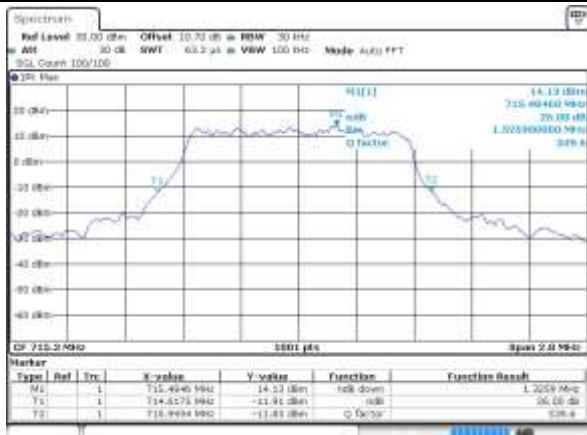
Date: 19\_JAN 2017 10:57:26

Middle Channel / 1.4MHz / 16QAM



Date: 19\_JAN 2017 10:57:30

Highest Channel / 1.4MHz / QPSK



Date: 19\_JAN 2017 11:00:00

Highest Channel / 1.4MHz / 16QAM



Date: 19\_JAN 2017 10:58:55



LTE Band 12

Lowest Channel / 3MHz / QPSK



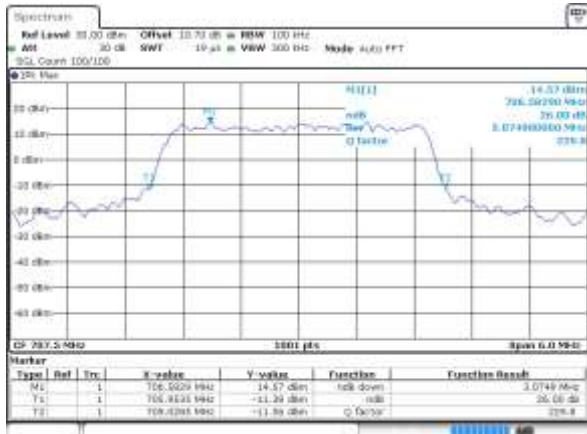
Date: 19\_JAN 2017 10:08:20

Lowest Channel / 3MHz / 16QAM



Date: 19\_JAN 2017 10:08:20

Middle Channel / 3MHz / QPSK



Date: 19\_JAN 2017 10:07:17

Middle Channel / 3MHz / 16QAM



Date: 19\_JAN 2017 10:07:26

Highest Channel / 3MHz / QPSK



Date: 19\_JAN 2017 10:08:09

Highest Channel / 3MHz / 16QAM



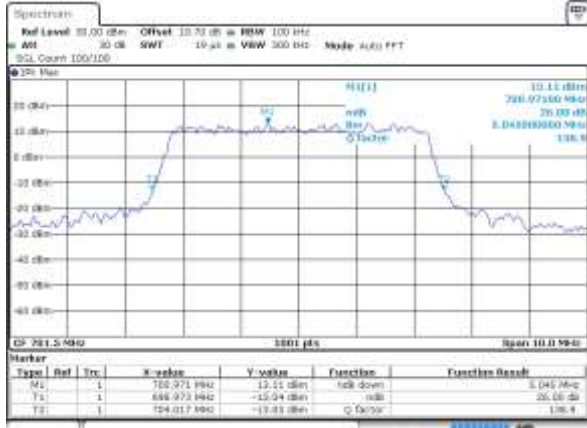
Date: 19\_JAN 2017 10:07:40





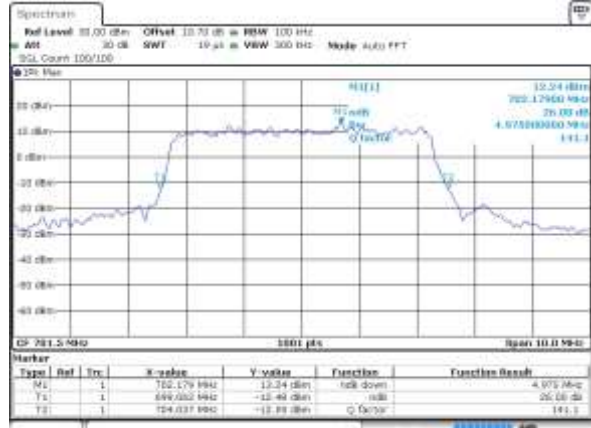
LTE Band 12

Lowest Channel / 5MHz / QPSK



Date: 19\_JAN 2017 10:17:00

Lowest Channel / 5MHz / 16QAM



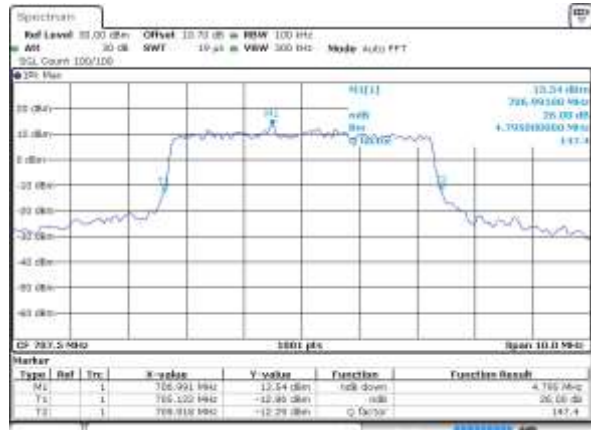
Date: 19\_JAN 2017 10:18:55

Middle Channel / 5MHz / QPSK



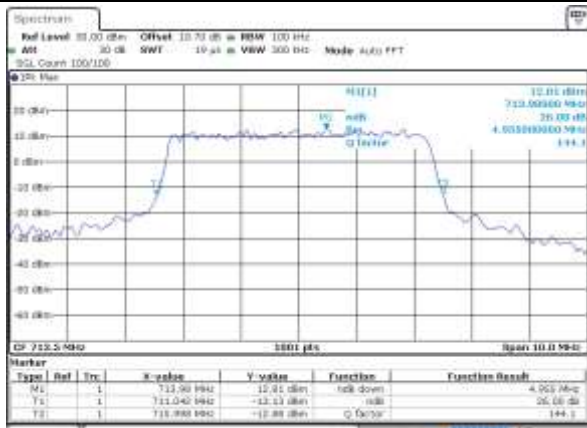
Date: 19\_JAN 2017 10:20:01

Middle Channel / 5MHz / 16QAM



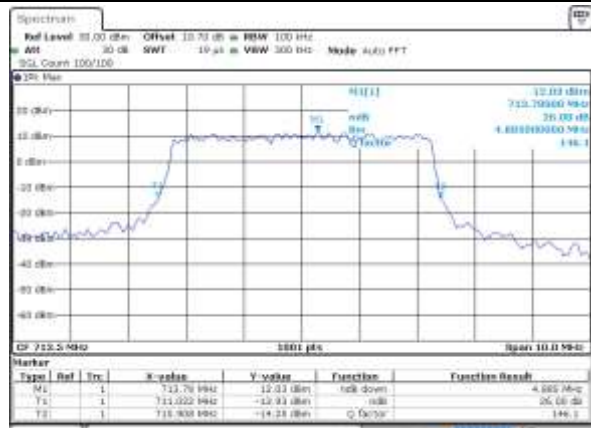
Date: 19\_JAN 2017 10:20:11

Highest Channel / 5MHz / QPSK



Date: 19\_JAN 2017 10:20:41

Highest Channel / 5MHz / 16QAM



Date: 19\_JAN 2017 10:20:51



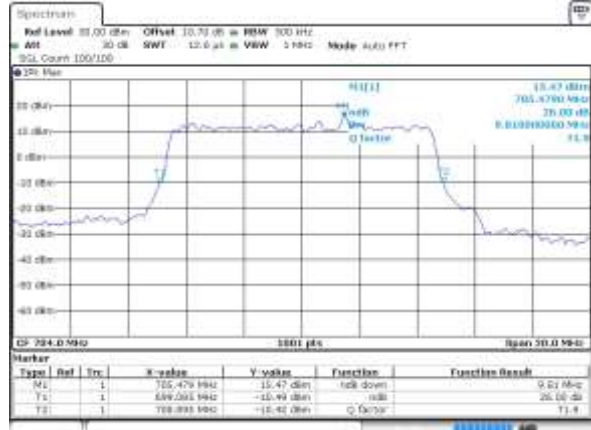
LTE Band 12

Lowest Channel / 10MHz / QPSK



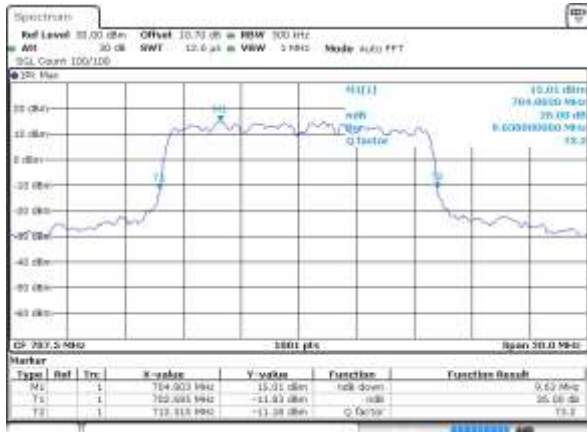
Date: 19\_JAN 2017 10:33:47

Lowest Channel / 10MHz / 16QAM



Date: 19\_JAN 2017 10:33:47

Middle Channel / 10MHz / QPSK



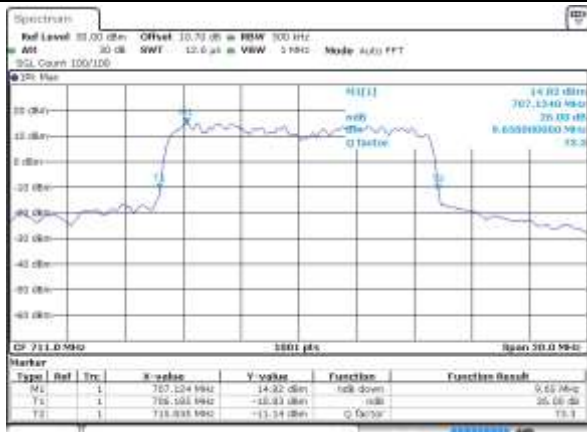
Date: 19\_JAN 2017 10:44:43

Middle Channel / 10MHz / 16QAM



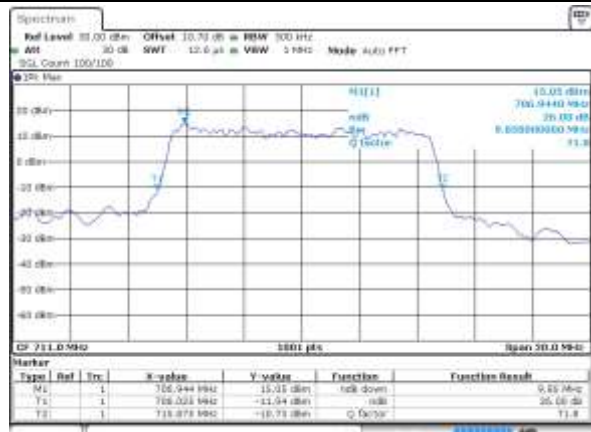
Date: 19\_JAN 2017 10:44:43

Highest Channel / 10MHz / QPSK



Date: 19\_JAN 2017 10:43:29

Highest Channel / 10MHz / 16QAM



Date: 19\_JAN 2017 10:43:29



### Occupied Bandwidth

Mode	LTE Band 12 : 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	1.1	1.09	2.73	2.72	4.5	4.5	8.93	9.05	-	-	-	-
Middle CH	1.1	1.1	2.71	2.72	4.5	4.5	9.01	9.01	-	-	-	-
Highest CH	1.09	1.09	2.72	2.71	4.49	4.47	9.03	9.07	-	-	-	-



LTE Band 12

Lowest Channel / 1.4MHz / QPSK



Lowest Channel / 1.4MHz / 16QAM



Middle Channel / 1.4MHz / QPSK



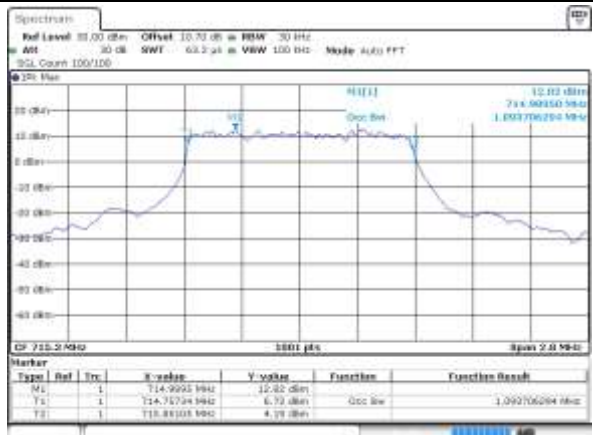
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM





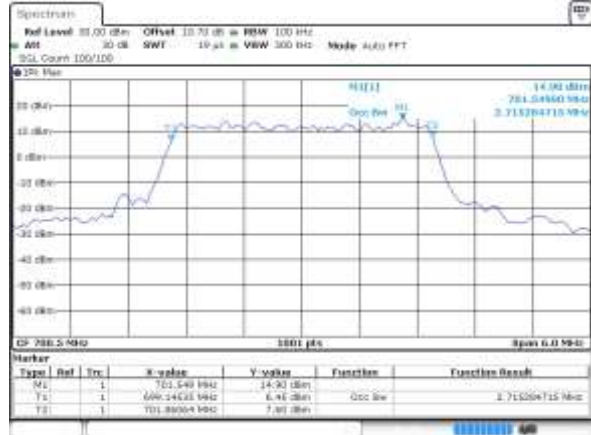
LTE Band 12

Lowest Channel / 3MHz / QPSK



Date: 19\_JAN 2017 10:08:40

Lowest Channel / 3MHz / 16QAM



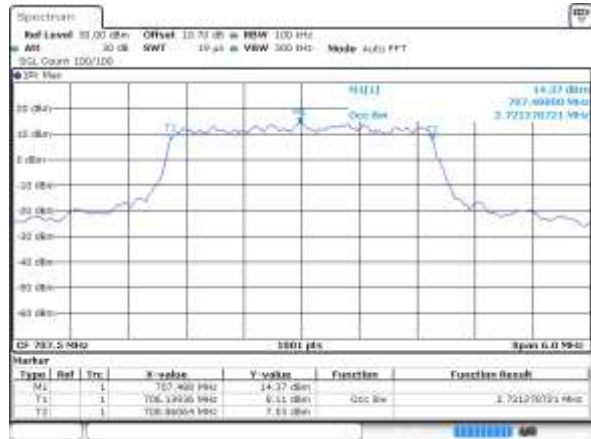
Date: 19\_JAN 2017 10:08:40

Middle Channel / 3MHz / QPSK



Date: 19\_JAN 2017 10:07:37

Middle Channel / 3MHz / 16QAM



Date: 19\_JAN 2017 10:08:40

Highest Channel / 3MHz / QPSK



Date: 19\_JAN 2017 10:08:27

Highest Channel / 3MHz / 16QAM



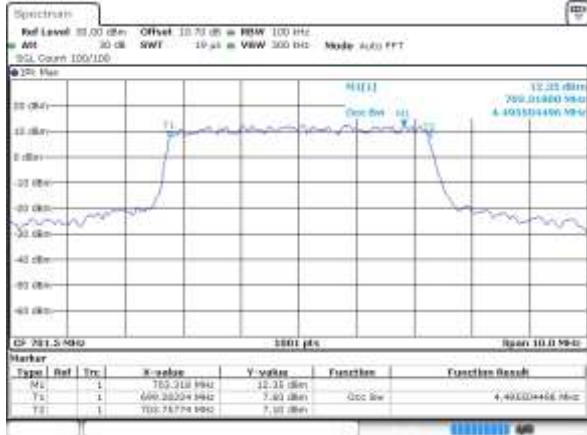
Date: 19\_JAN 2017 10:08:30





LTE Band 12

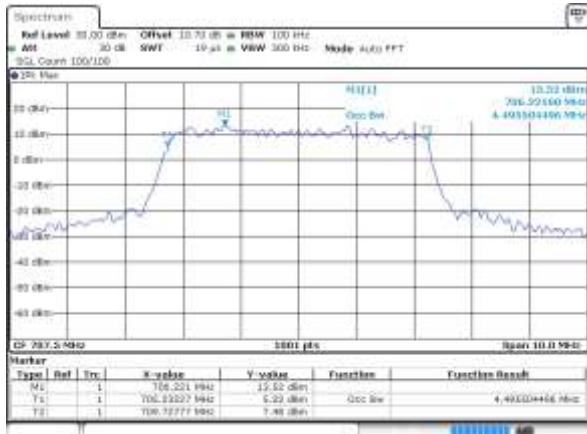
Lowest Channel / 5MHz / QPSK



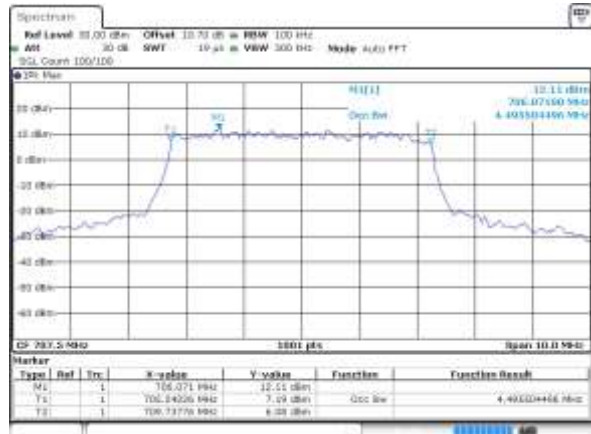
Lowest Channel / 5MHz / 16QAM



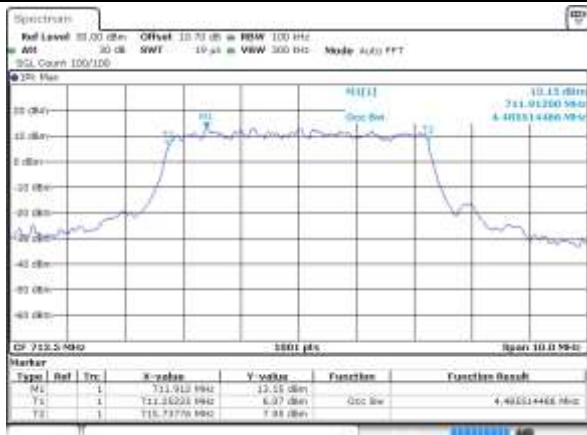
Middle Channel / 5MHz / QPSK



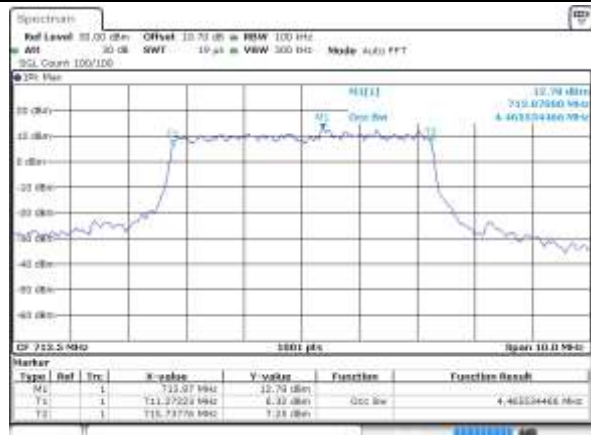
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM





LTE Band 12

Lowest Channel / 10MHz / QPSK



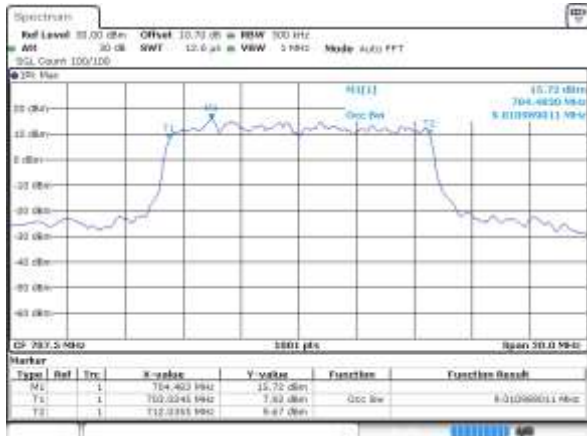
Date: 19\_JAN 2017 10:58:16

Lowest Channel / 10MHz / 16QAM



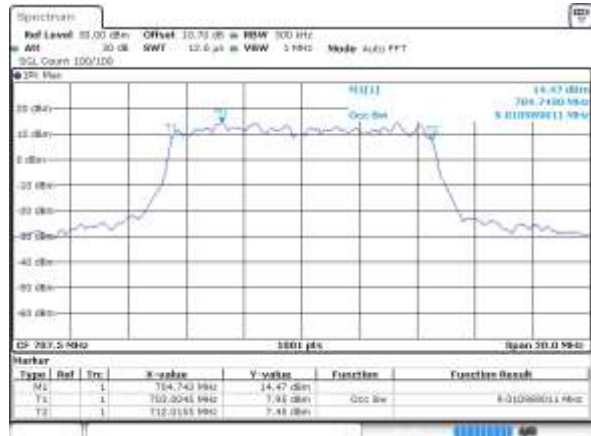
Date: 19\_JAN 2017 10:58:27

Middle Channel / 10MHz / QPSK



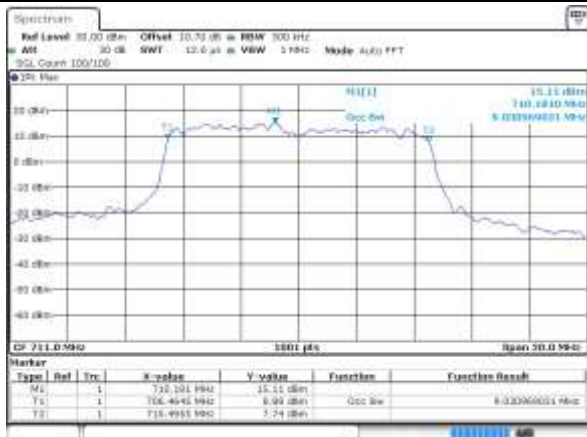
Date: 19\_JAN 2017 10:48:35

Middle Channel / 10MHz / 16QAM



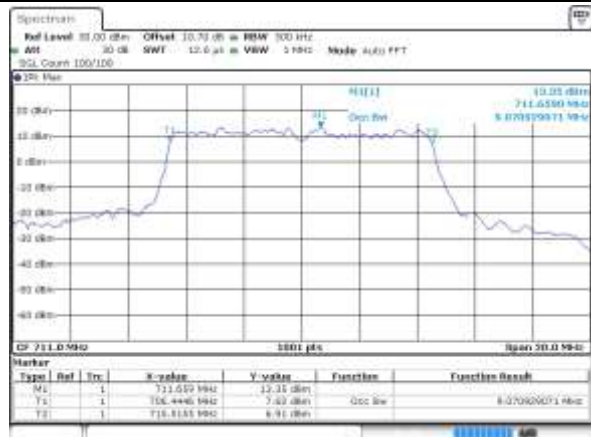
Date: 19\_JAN 2017 10:48:22

Highest Channel / 10MHz / QPSK



Date: 19\_JAN 2017 10:42:52

Highest Channel / 10MHz / 16QAM



Date: 19\_JAN 2017 10:42:53



**Conducted Band Edge**



LTE Band 12 / 1.4MHz / QPSK

Lowest Band Edge / 1 RB



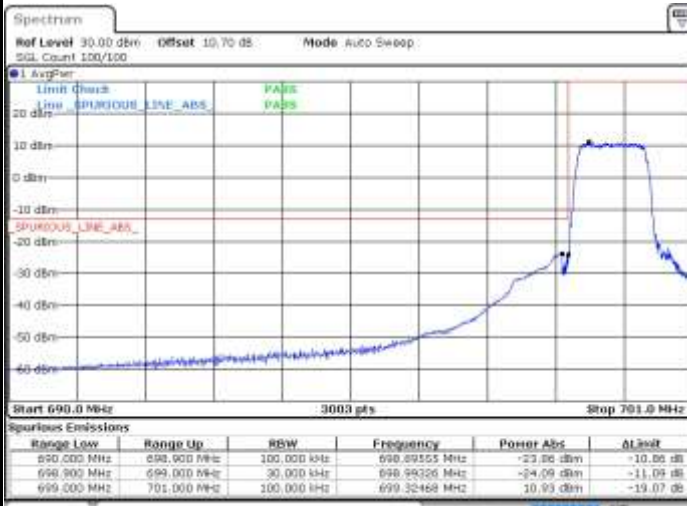
Date: 19 JAN 2017 10:55:05

Highest Band Edge / 1RB



Date: 19 JAN 2017 11:04:41

Lowest Band Edge / Full RB



Date: 19 JAN 2017 10:51:38

Highest Band Edge / Full RB



Date: 19 JAN 2017 11:01:14



LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 19 JAN 2017 10:52:56

Date: 19 JAN 2017 11:03:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19 JAN 2017 10:52:47

Date: 19 JAN 2017 11:02:23





**LTE Band 12 / 3MHz / QPSK**

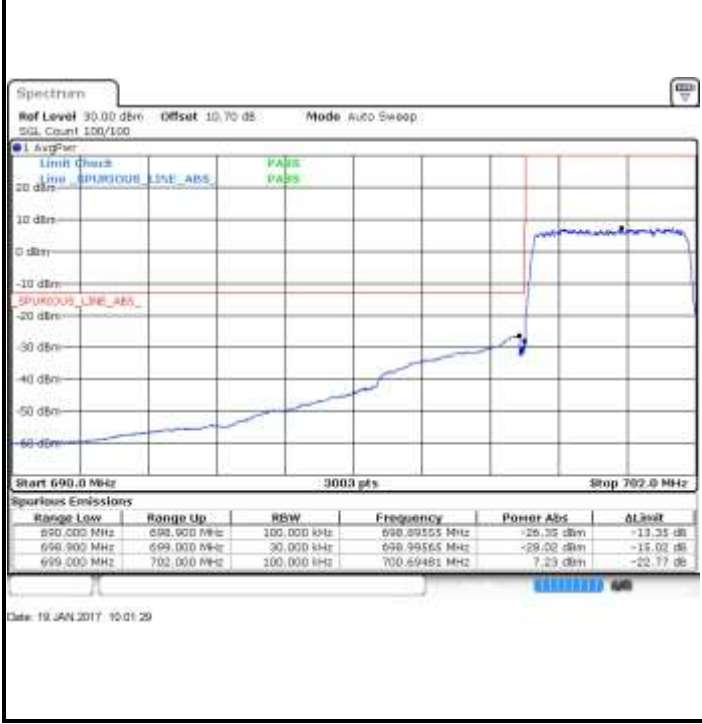
**Lowest Band Edge / 1RB**



**Highest Band Edge / 1 RB**



**Lowest Band Edge / Full RB**



**Highest Band Edge / Full RB**







LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



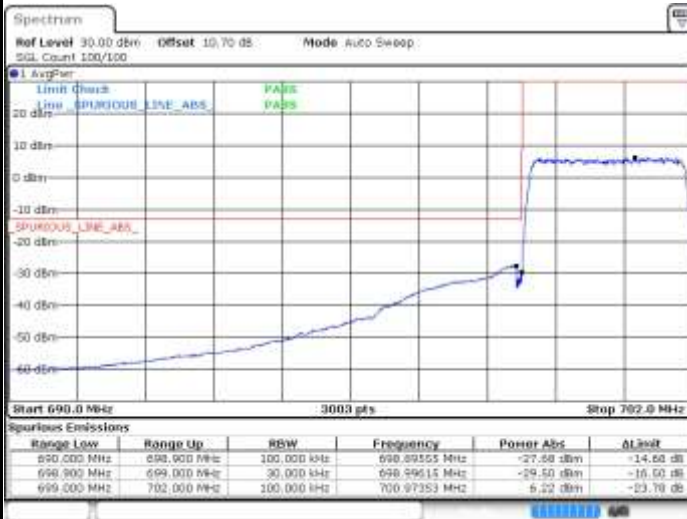
Date: 19 JAN 2017 10:03:40

Highest Band Edge / 1 RB



Date: 19 JAN 2017 10:13:28

Lowest Band Edge / Full RB



Date: 19 JAN 2017 10:02:30

Highest Band Edge / Full RB



Date: 19 JAN 2017 10:12:18



LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Date: 19 JAN 2017 10:21:41

Highest Band Edge / 1 RB



Date: 19 JAN 2017 10:30:08

Lowest Band Edge / Full RB



Date: 19 JAN 2017 10:18:14

Highest Band Edge / Full RB

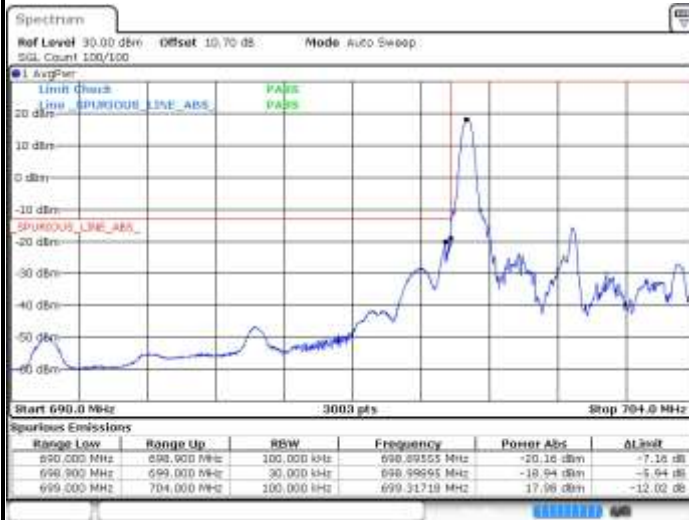


Date: 19 JAN 2017 10:27:50



LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Date: 19 JAN 2017 10:30:32

Highest Band Edge / 1 RB



Date: 19 JAN 2017 10:31:17

Lowest Band Edge / Full RB



Date: 19 JAN 2017 10:19:23

Highest Band Edge / Full RB

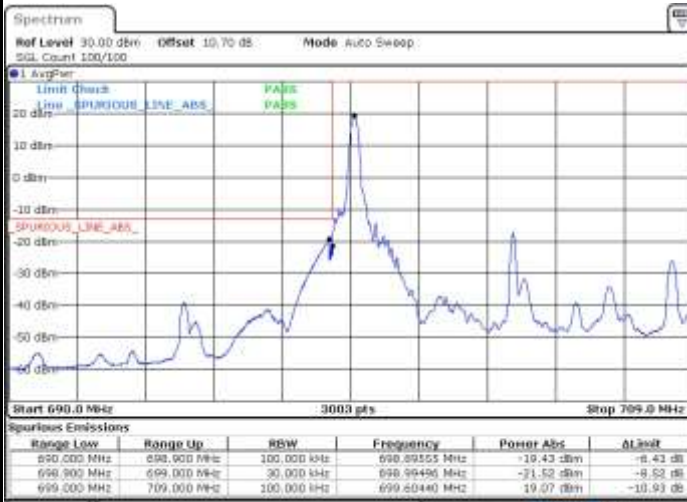


Date: 19 JAN 2017 10:28:59



LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



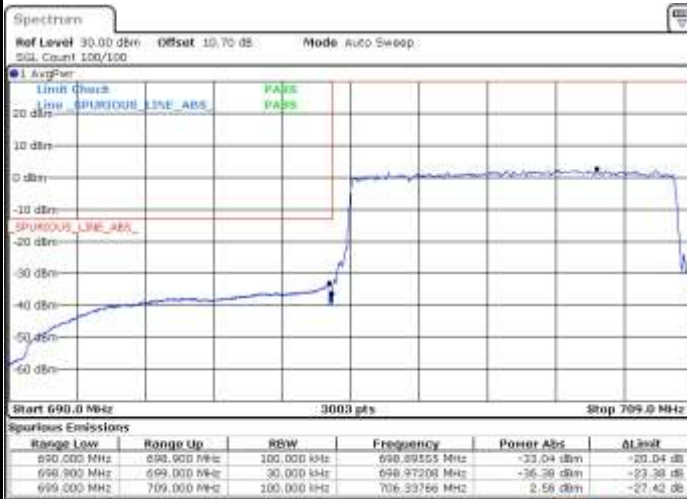
Date: 19 JAN 2017 10:38:23

Highest Band Edge / 1 RB



Date: 19 JAN 2017 10:47:59

Lowest Band Edge / Full RB



Date: 19 JAN 2017 10:34:56

Highest Band Edge / Full RB



Date: 19 JAN 2017 10:44:52





LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



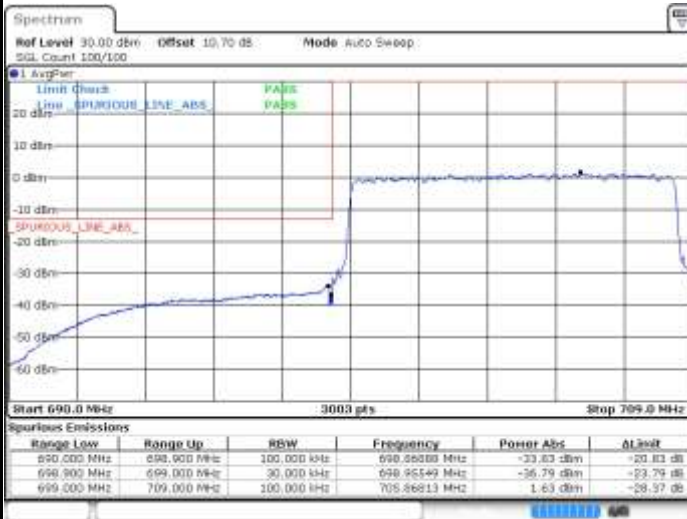
Date: 19 JAN 2017 10:37:14

Highest Band Edge / 1 RB



Date: 19 JAN 2017 10:40:50

Lowest Band Edge / Full RB



Date: 19 JAN 2017 10:38:05

Highest Band Edge / Full RB



Date: 19 JAN 2017 10:45:41



**Conducted Spurious Emission**

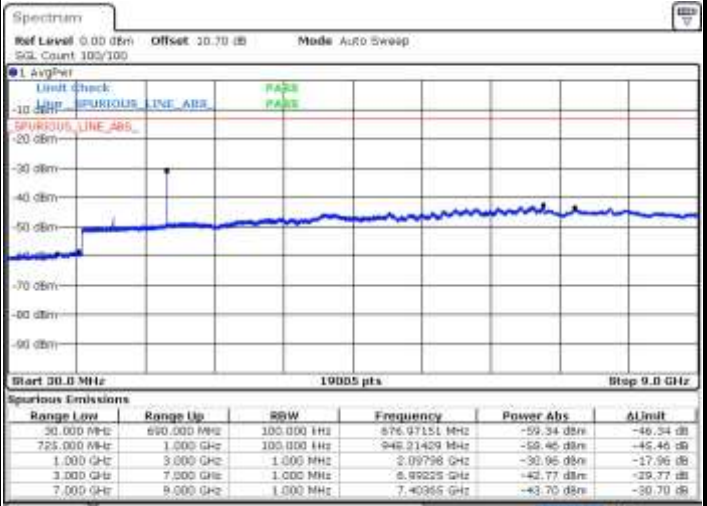
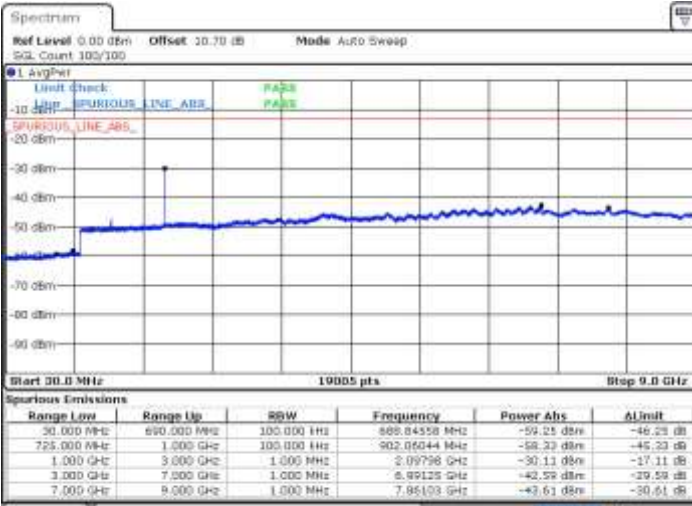




LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

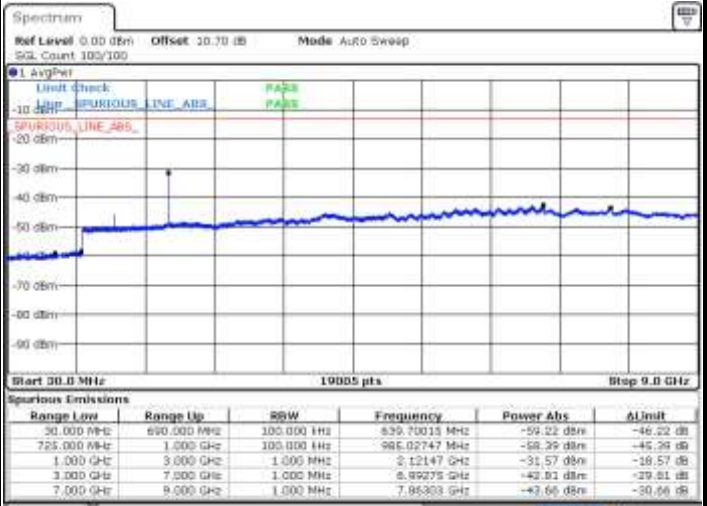
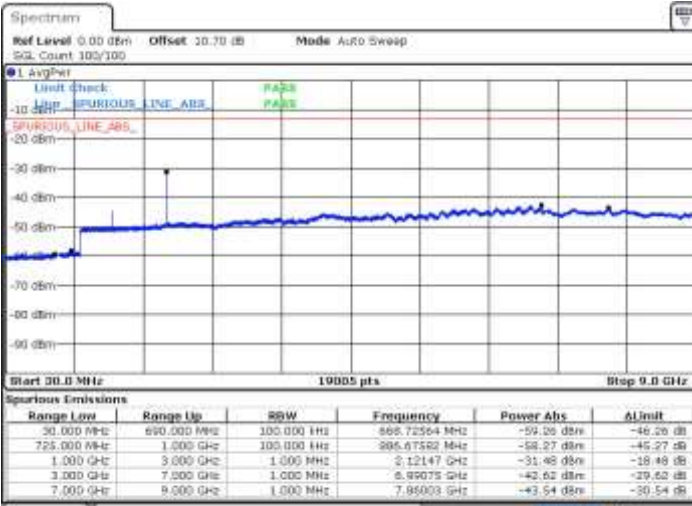


Date: 13 JAN 2017 10:56:00

Date: 13 JAN 2017 10:56:54

Middle Channel / QPSK

Middle Channel / 16QAM



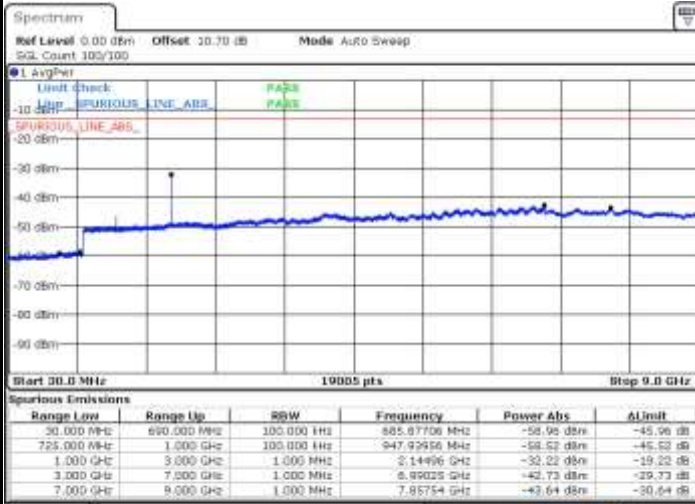
Date: 13 JAN 2017 10:56:24

Date: 13 JAN 2017 10:56:30



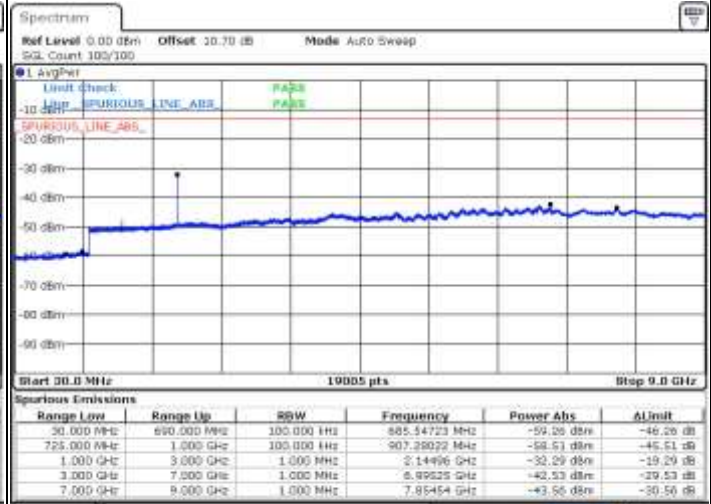
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 19 JAN 2017 11:06:56

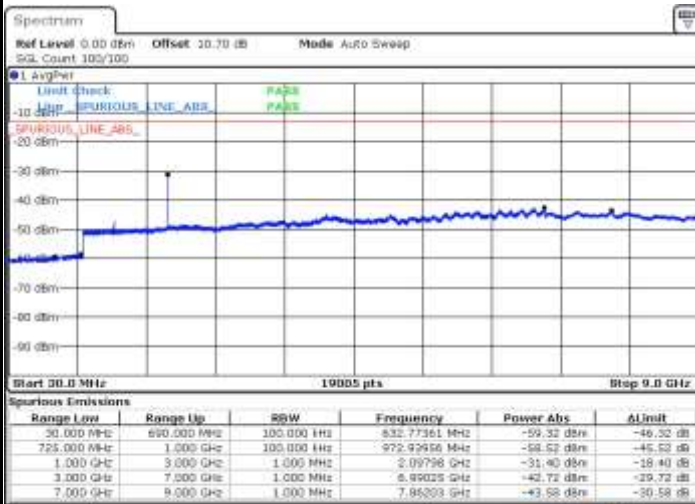
Highest Channel / 16QAM



Date: 19 JAN 2017 11:06:50

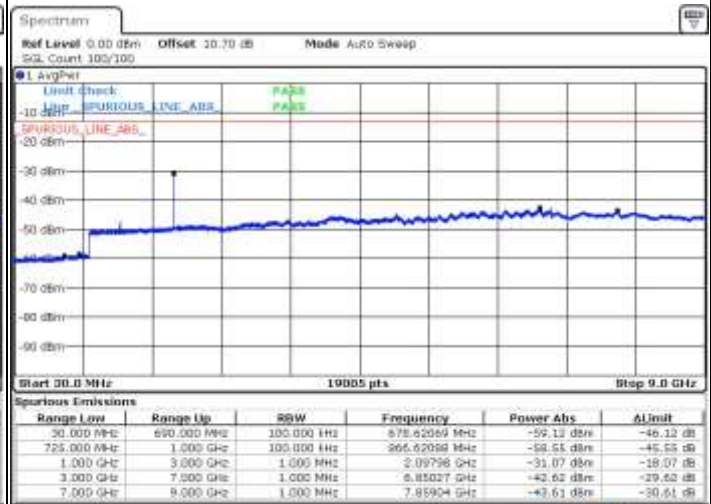
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 19 JAN 2017 10:06:52

Lowest Channel / 16QAM



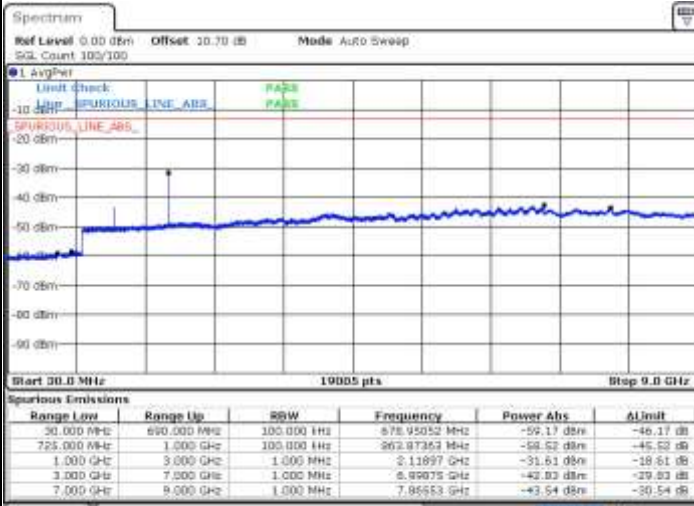
Date: 19 JAN 2017 10:06:46



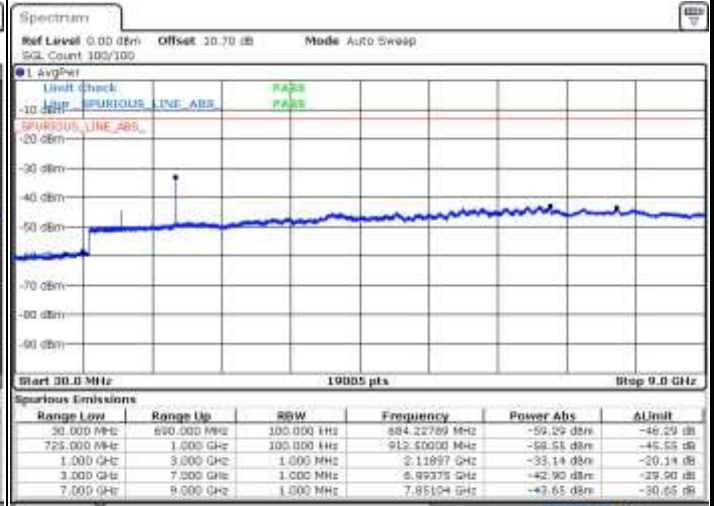
LTE Band 12 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



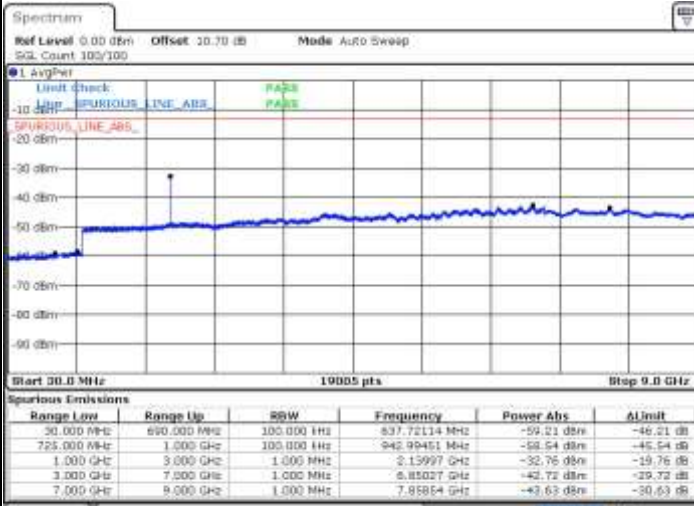
Date: 19 JAN 2017 10:09:16



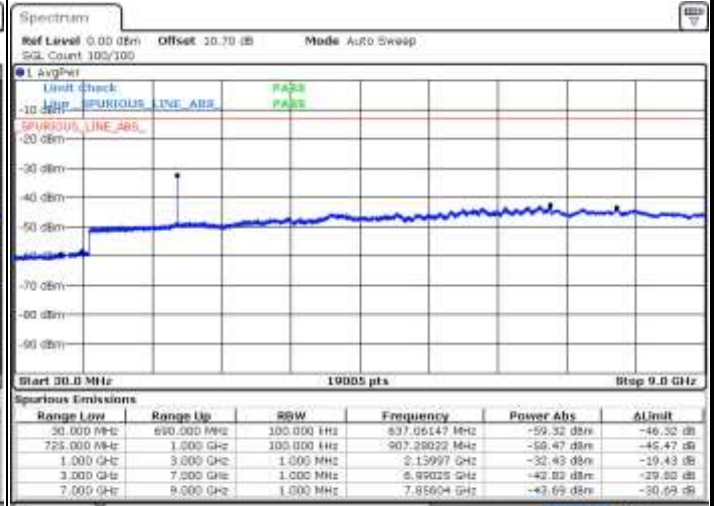
Date: 19 JAN 2017 10:09:22

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19 JAN 2017 10:15:30



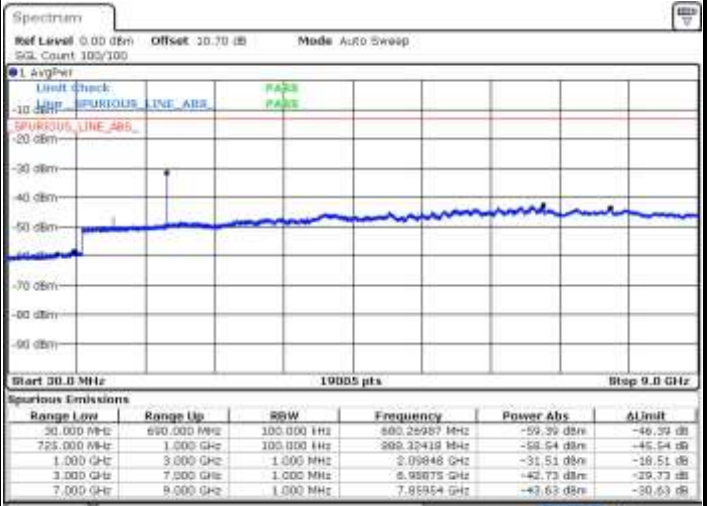
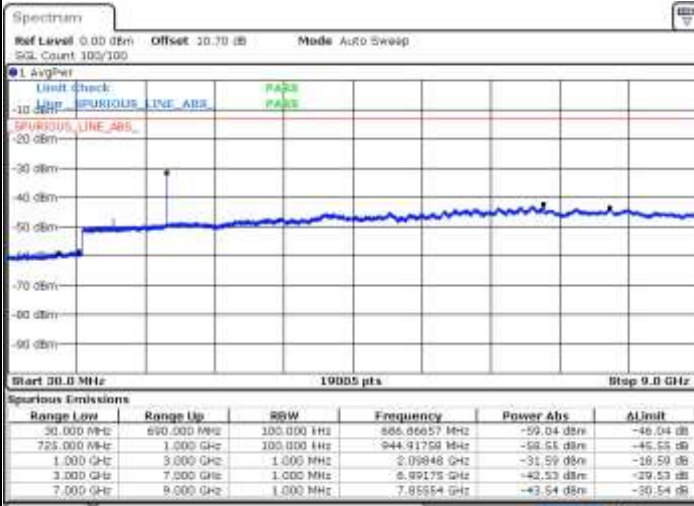
Date: 19 JAN 2017 10:16:24



LTE Band 12 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

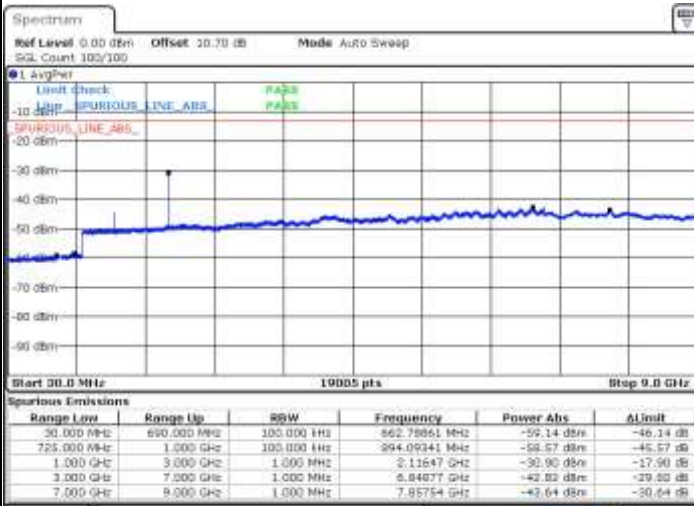


Date: 19 JAN 2017 10:22:36

Date: 19 JAN 2017 10:23:50

Middle Channel / QPSK

Middle Channel / 16QAM



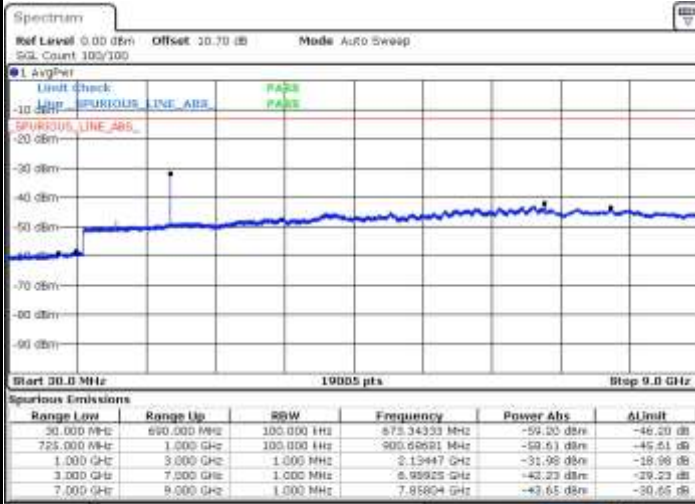
Date: 19 JAN 2017 10:26:00

Date: 19 JAN 2017 10:26:06



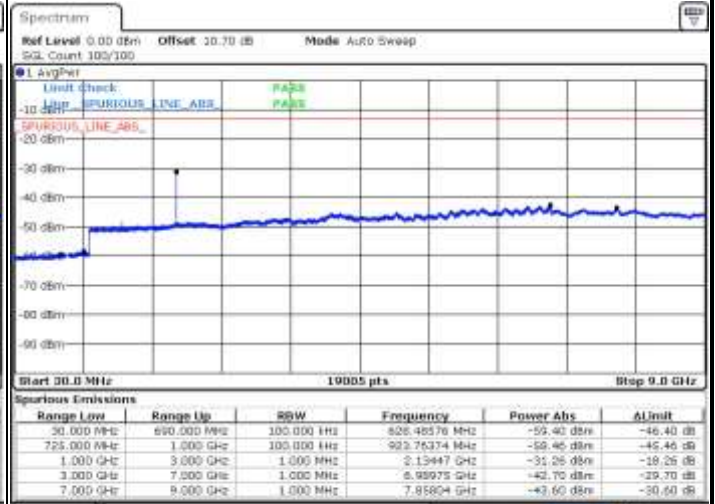
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 19 JAN 2017 10:33:06

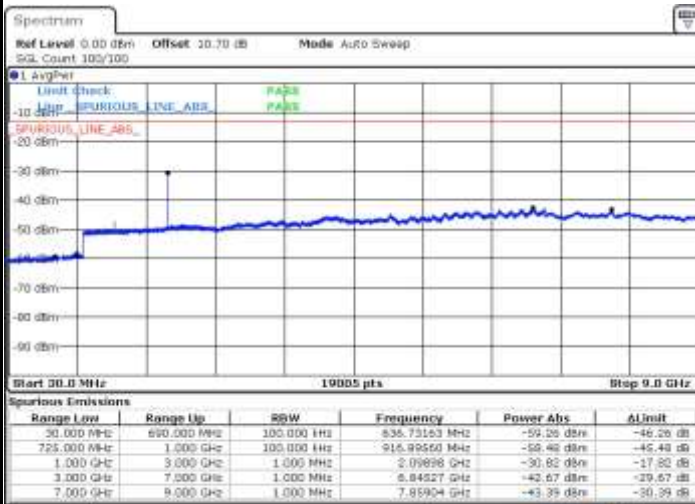
Highest Channel / 16QAM



Date: 19 JAN 2017 10:32:12

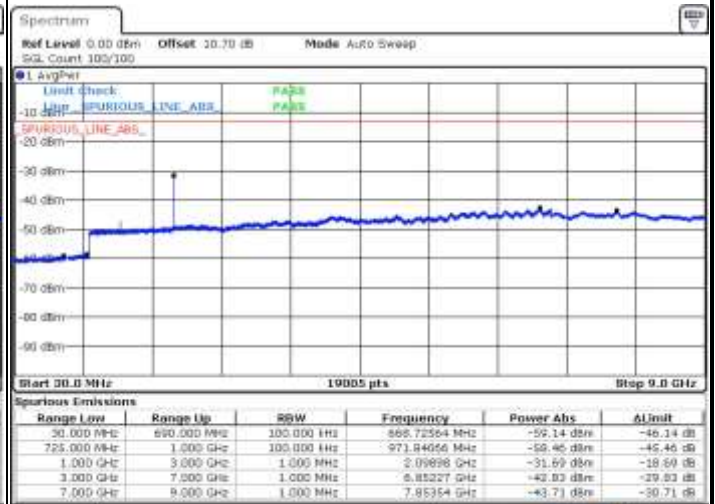
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 19 JAN 2017 10:39:18

Lowest Channel / 16QAM



Date: 19 JAN 2017 10:40:12

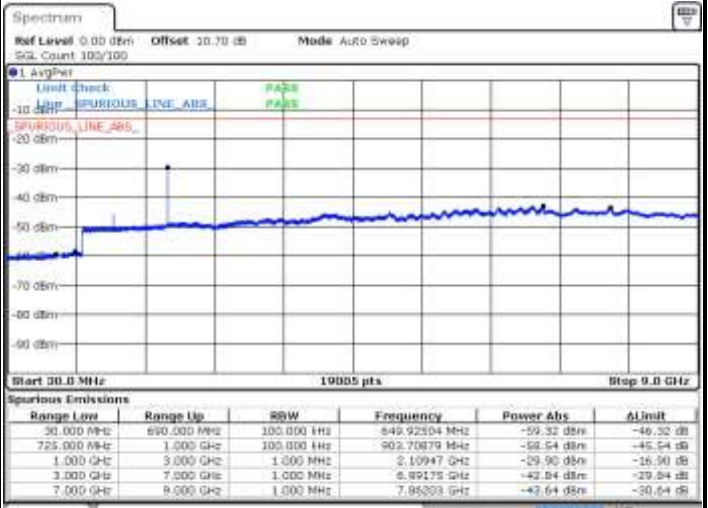
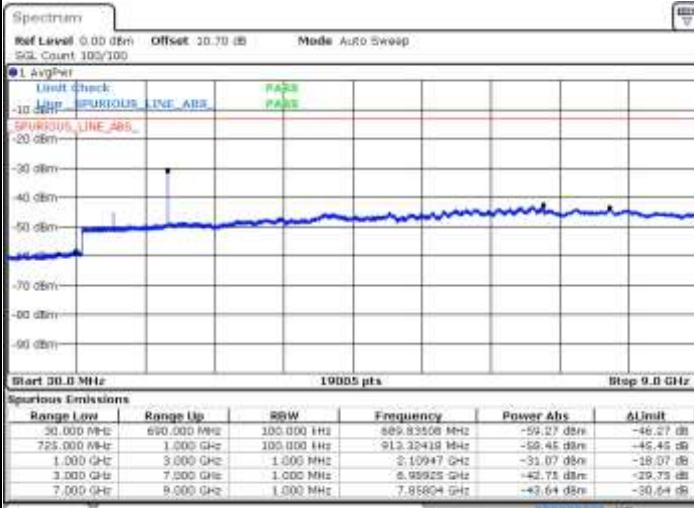




LTE Band 12 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

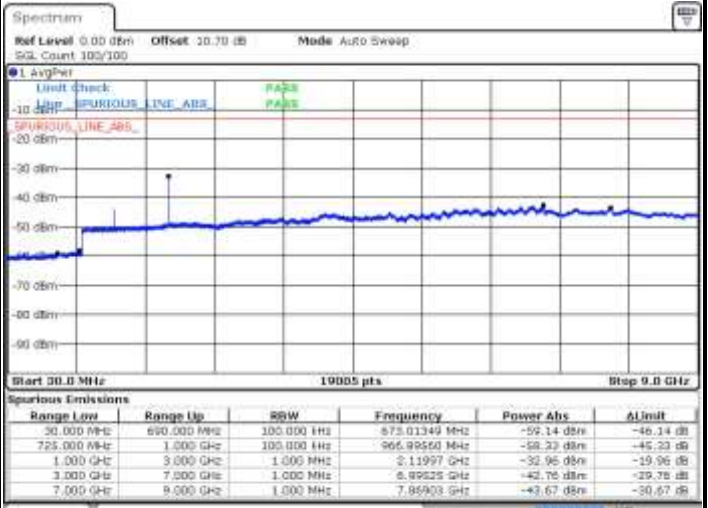
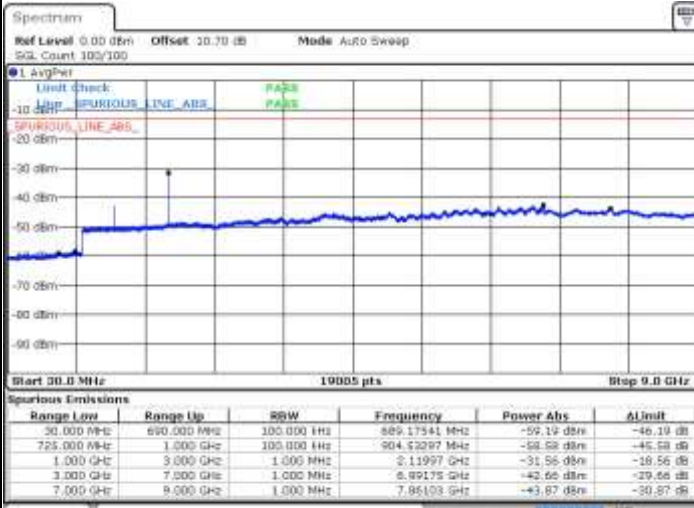


Date: 19\_JAN\_2017 10:42:42

Date: 19\_JAN\_2017 10:41:45

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19\_JAN\_2017 10:46:54

Date: 19\_JAN\_2017 10:40:48





**Frequency Stability**

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0028	PASS
40	Normal Voltage	0.0073	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0020	
0	Normal Voltage	0.0073	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0085	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

**Note:**

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 2

<Ant. 2>

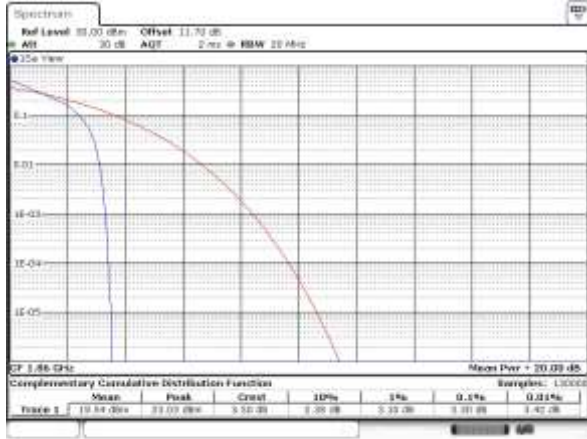
### Peak-to-Average Ratio

Mode	LTE Band 2 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.3	4.49	4.14	5.45	PASS
Middle CH	3.33	4.52	3.94	5.45	
Highest CH	3.88	4.49	4.41	5.39	



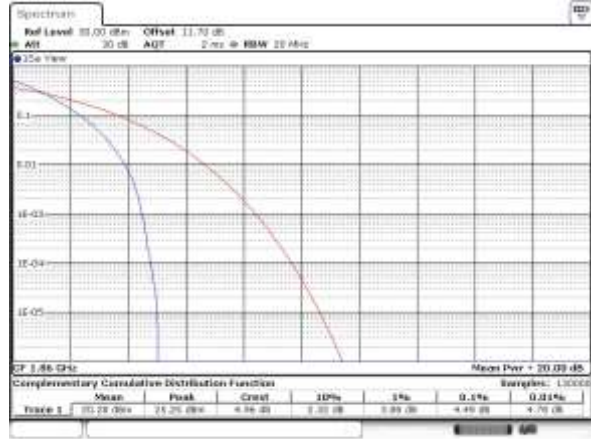
LTE Band 2 / 20MHz / QPSK

Lowest Channel / 1RB



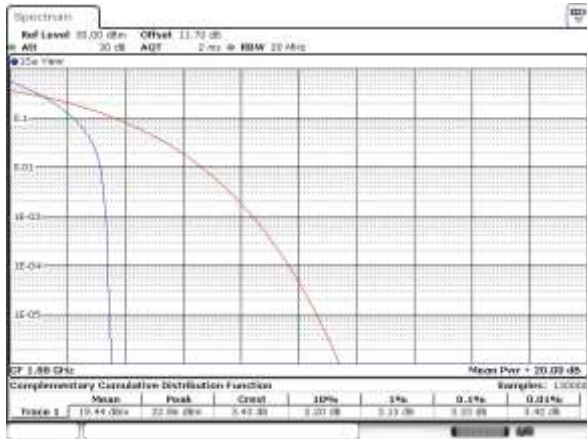
Date: 19\_JAN 2017 22:38:30

Lowest Channel / Full RB



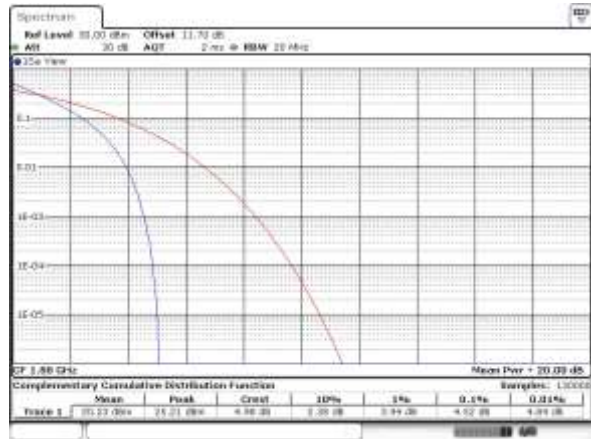
Date: 19\_JAN 2017 22:38:40

Middle Channel / 1RB



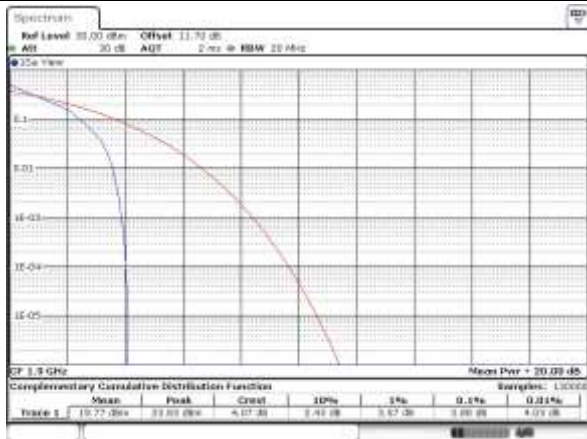
Date: 19\_JAN 2017 22:38:51

Middle Channel / Full RB



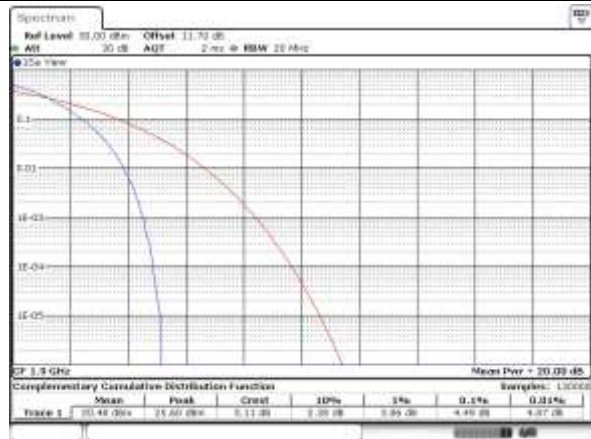
Date: 19\_JAN 2017 22:40:01

Highest Channel / 1RB



Date: 19\_JAN 2017 22:40:14

Highest Channel / Full RB

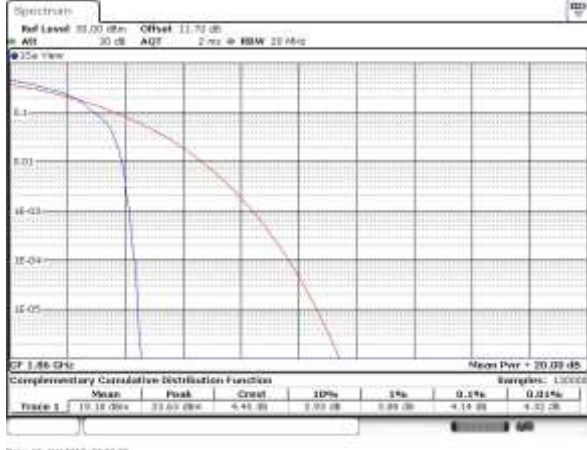


Date: 19\_JAN 2017 22:40:24



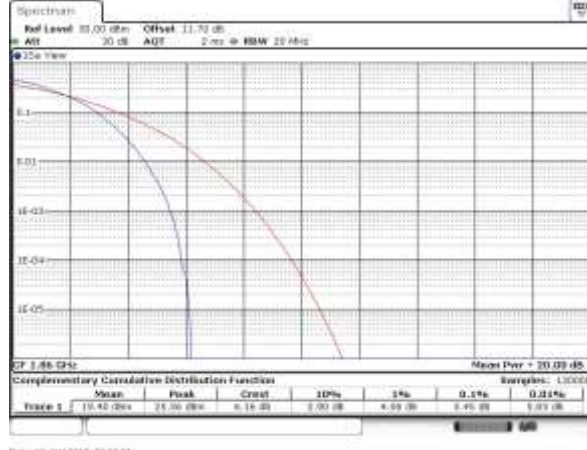
LTE Band 2 / 20MHz / 16QAM

Lowest Channel / 1RB



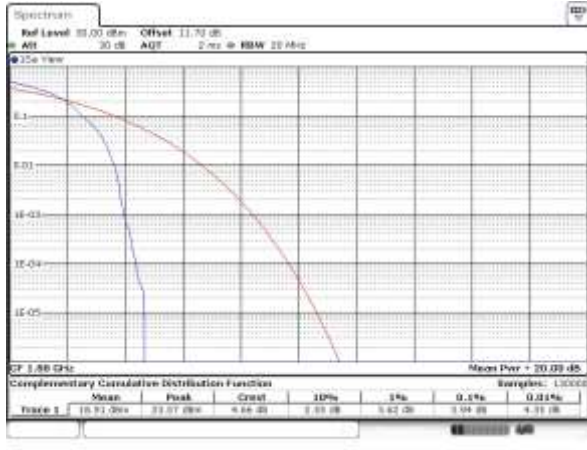
Date: 19\_JAN 2017 22:38:30

Lowest Channel / Full RB



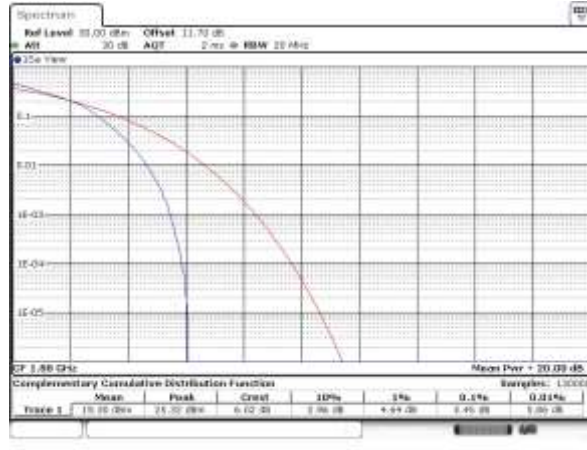
Date: 19\_JAN 2017 22:38:30

Middle Channel / 1RB



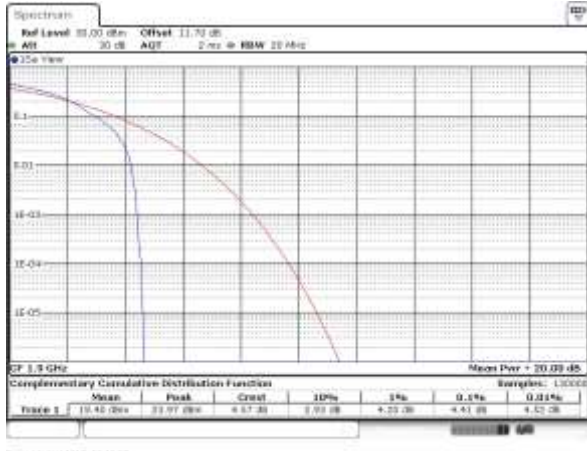
Date: 19\_JAN 2017 22:38:30

Middle Channel / Full RB



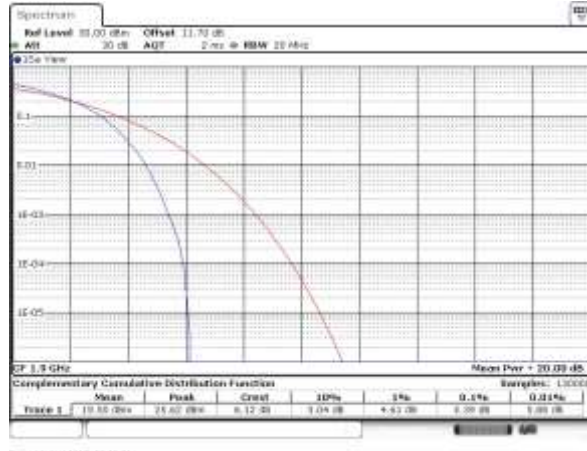
Date: 19\_JAN 2017 22:38:30

Highest Channel / 1RB



Date: 19\_JAN 2017 22:38:31

Highest Channel / Full RB



Date: 19\_JAN 2017 22:38:31



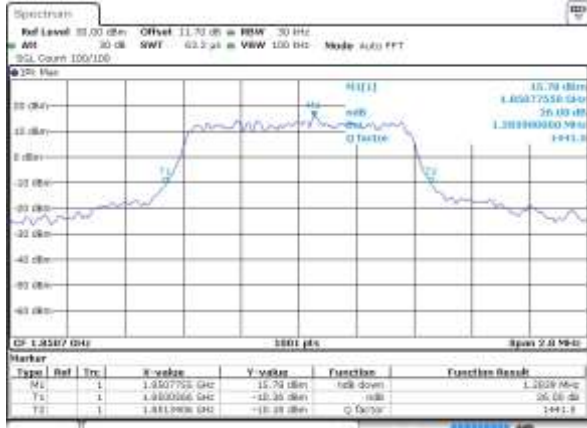
**26dB Bandwidth**

Mode	LTE Band 2 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.28	1.33	3.10	3.04	4.92	4.99	9.75	10.23	15.47	14.87	20.14	20.42
Middle CH	1.36	1.32	3.02	3.04	5.03	5.08	9.73	10.31	15.32	15.05	20.22	20.26
Highest CH	1.35	1.33	3.08	3.03	5.00	4.91	10.17	10.01	15.50	14.87	20.18	20.14



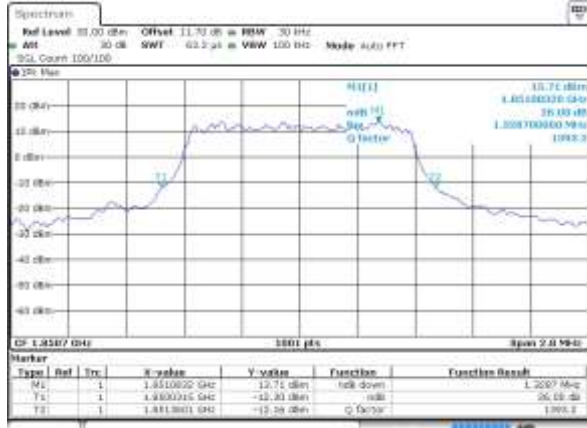
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



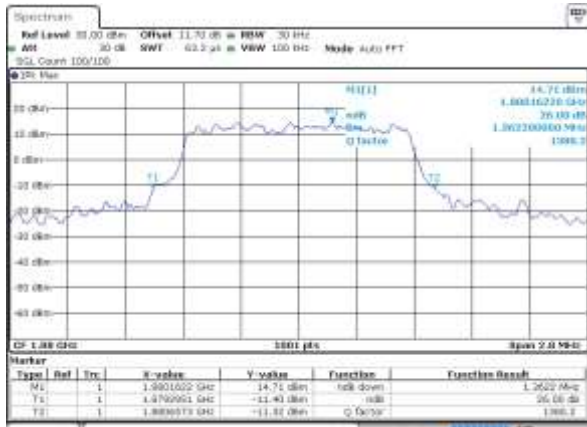
Date: 19\_JAN 2017 22:25:01

Lowest Channel / 1.4MHz / 16QAM



Date: 19\_JAN 2017 22:25:02

Middle Channel / 1.4MHz / QPSK



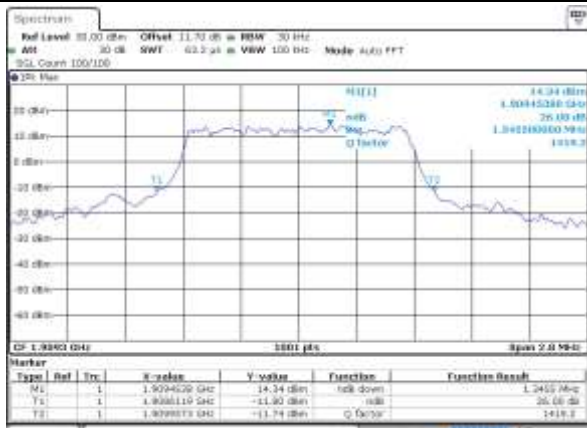
Date: 19\_JAN 2017 22:28:09

Middle Channel / 1.4MHz / 16QAM



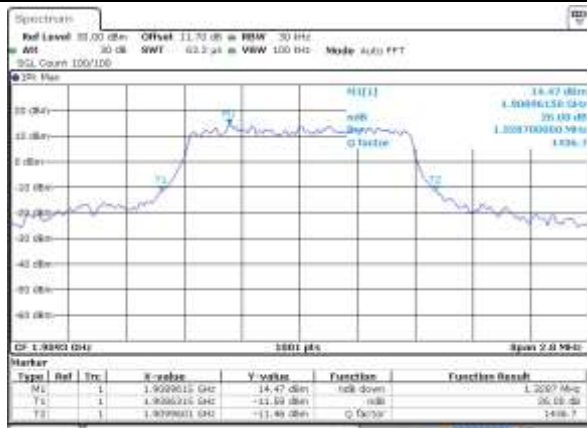
Date: 19\_JAN 2017 22:28:10

Highest Channel / 1.4MHz / QPSK



Date: 19\_JAN 2017 22:38:09

Highest Channel / 1.4MHz / 16QAM



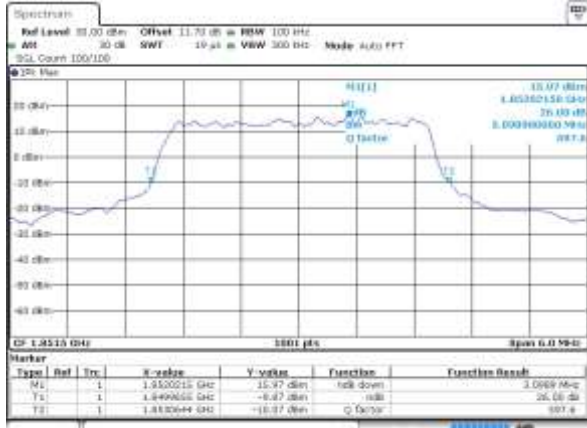
Date: 19\_JAN 2017 22:38:10





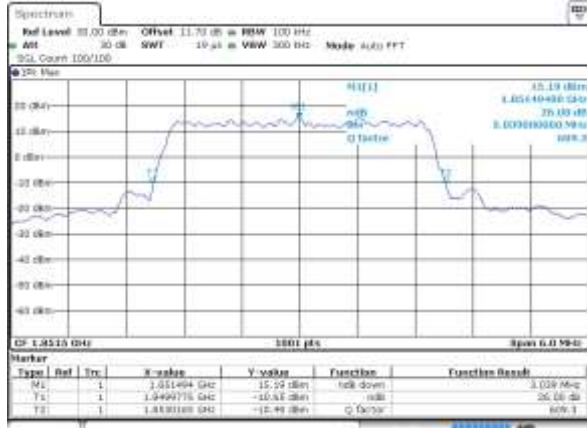
LTE Band 2

Lowest Channel / 3MHz / QPSK



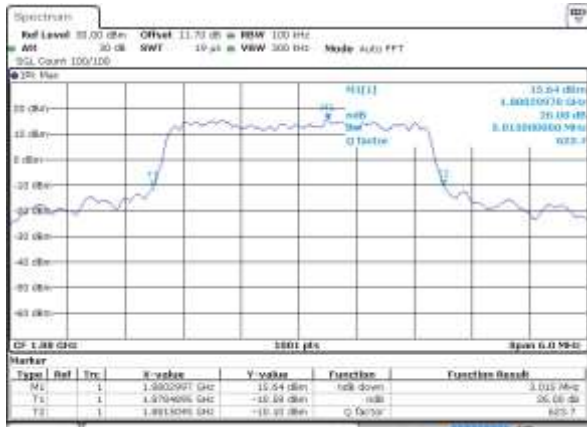
Date: 19\_JAN 2017 20:57:30

Lowest Channel / 3MHz / 16QAM



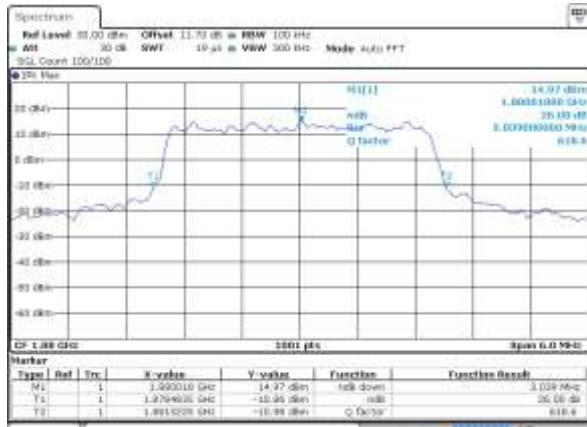
Date: 19\_JAN 2017 20:57:40

Middle Channel / 3MHz / QPSK



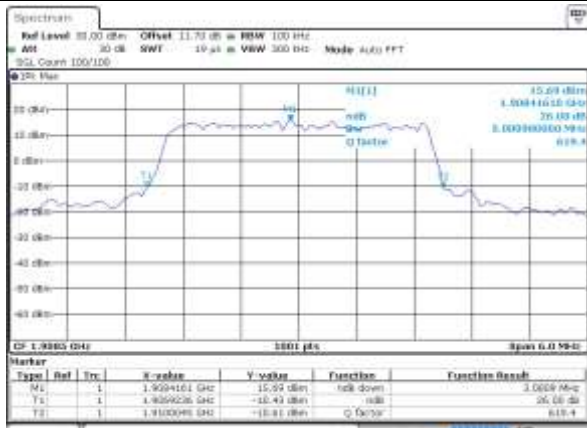
Date: 19\_JAN 2017 21:04:30

Middle Channel / 3MHz / 16QAM



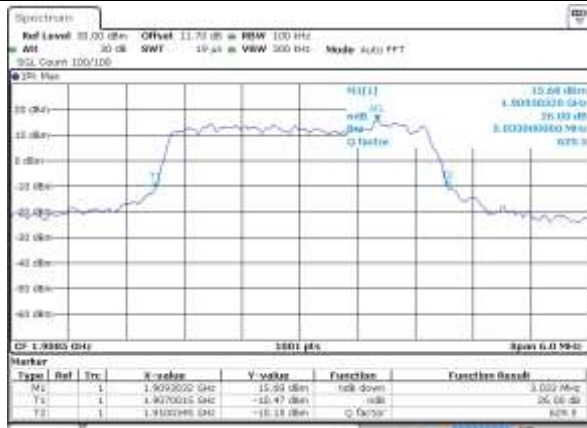
Date: 19\_JAN 2017 21:04:30

Highest Channel / 3MHz / QPSK



Date: 19\_JAN 2017 21:05:10

Highest Channel / 3MHz / 16QAM

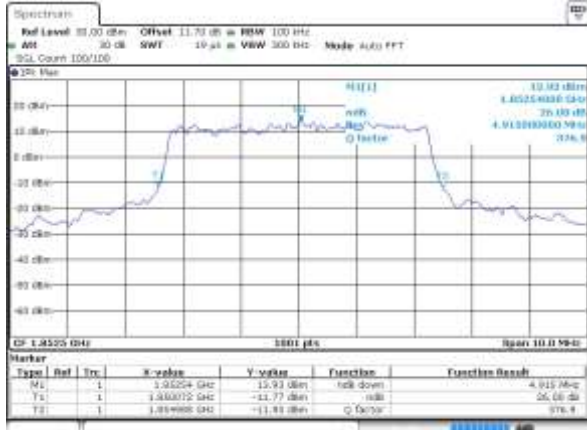


Date: 19\_JAN 2017 21:05:21



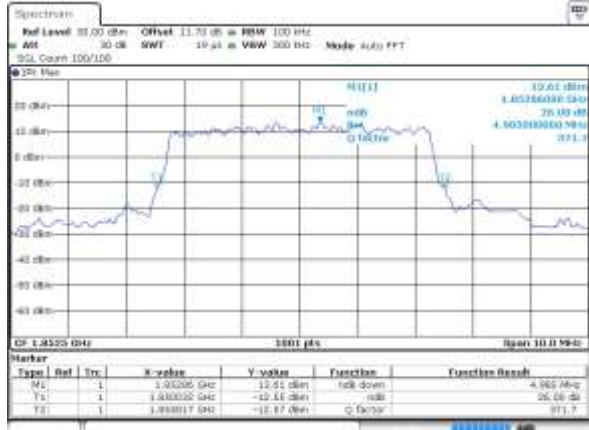
LTE Band 2

Lowest Channel / 5MHz / QPSK



Date: 19\_JAN 2017 21:14:10

Lowest Channel / 5MHz / 16QAM



Date: 19\_JAN 2017 21:14:20

Middle Channel / 5MHz / QPSK



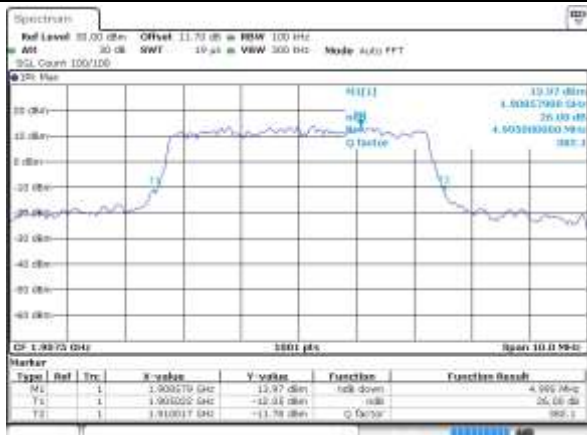
Date: 19\_JAN 2017 21:21:35

Middle Channel / 5MHz / 16QAM



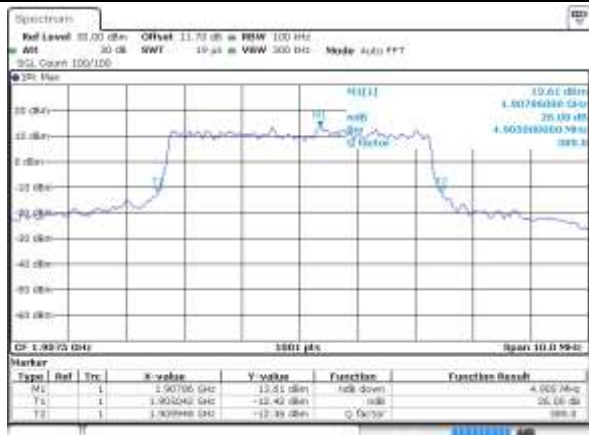
Date: 19\_JAN 2017 21:21:40

Highest Channel / 5MHz / QPSK



Date: 19\_JAN 2017 21:23:10

Highest Channel / 5MHz / 16QAM



Date: 19\_JAN 2017 21:23:10



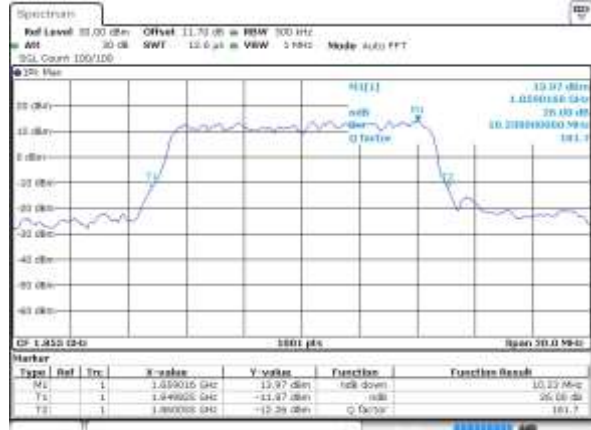
LTE Band 2

Lowest Channel / 10MHz / QPSK



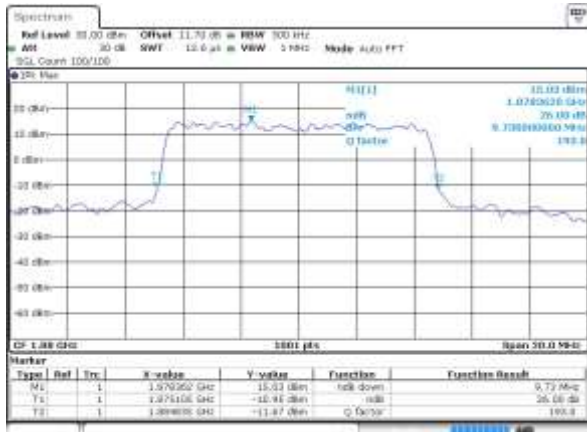
Date: 19\_JAN 2017 21:31:02

Lowest Channel / 10MHz / 16QAM



Date: 19\_JAN 2017 21:31:02

Middle Channel / 10MHz / QPSK



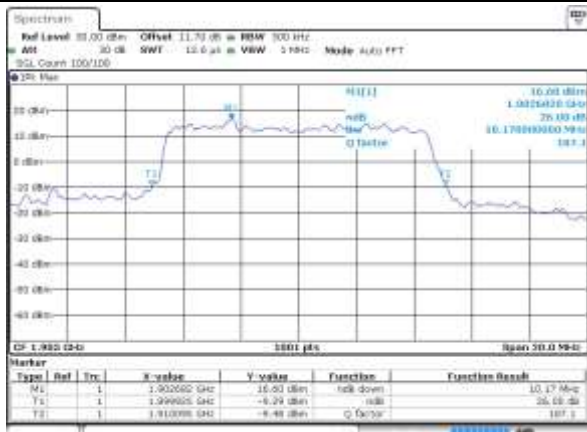
Date: 19\_JAN 2017 21:38:10

Middle Channel / 10MHz / 16QAM



Date: 19\_JAN 2017 21:38:10

Highest Channel / 10MHz / QPSK



Date: 19\_JAN 2017 21:40:01

Highest Channel / 10MHz / 16QAM

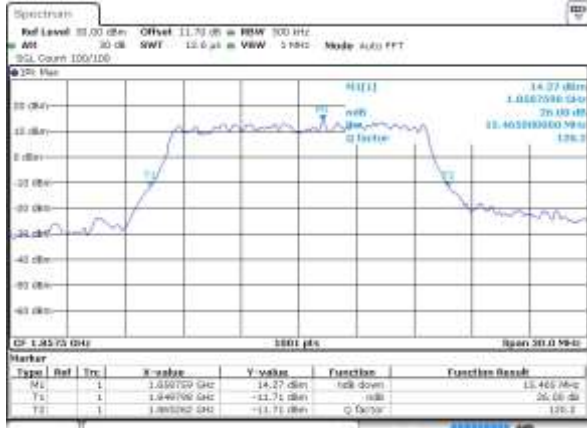


Date: 19\_JAN 2017 21:40:01



LTE Band 2

Lowest Channel / 15MHz / QPSK



Date: 19\_JAN 2017 21:47:47

Lowest Channel / 15MHz / 16QAM



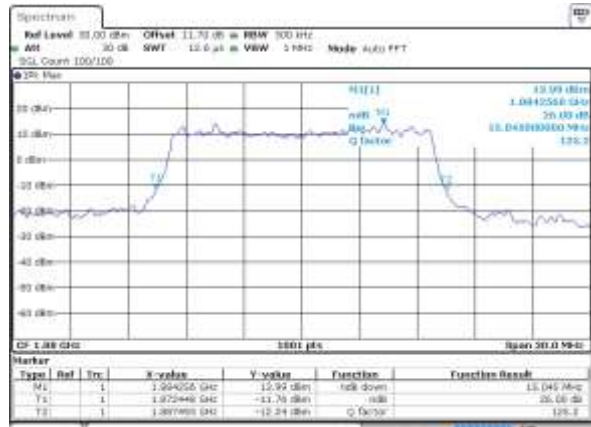
Date: 19\_JAN 2017 21:47:50

Middle Channel / 15MHz / QPSK



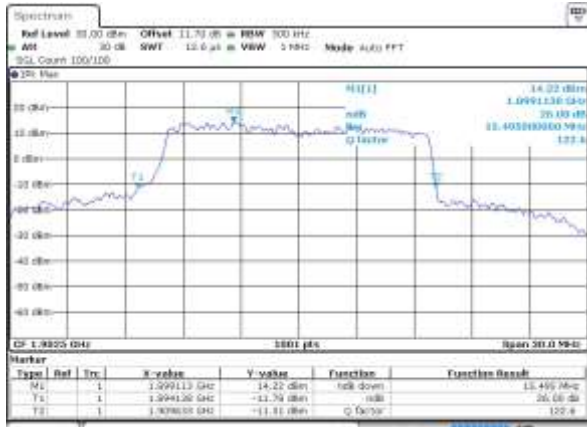
Date: 19\_JAN 2017 21:54:54

Middle Channel / 15MHz / 16QAM



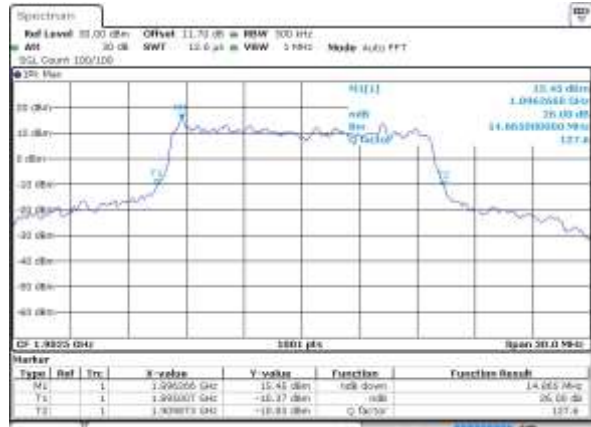
Date: 19\_JAN 2017 21:55:00

Highest Channel / 15MHz / QPSK



Date: 19\_JAN 2017 21:52:26

Highest Channel / 15MHz / 16QAM

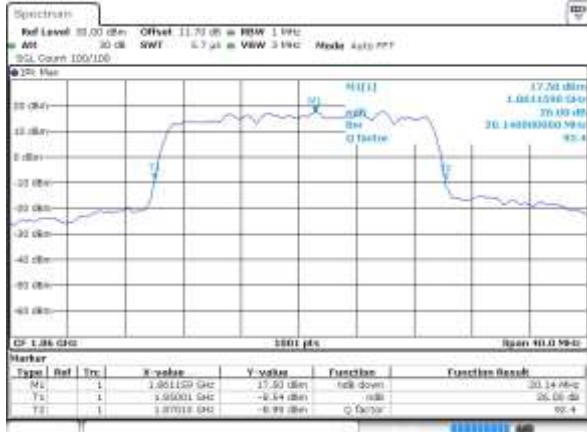


Date: 19\_JAN 2017 21:52:30



LTE Band 2

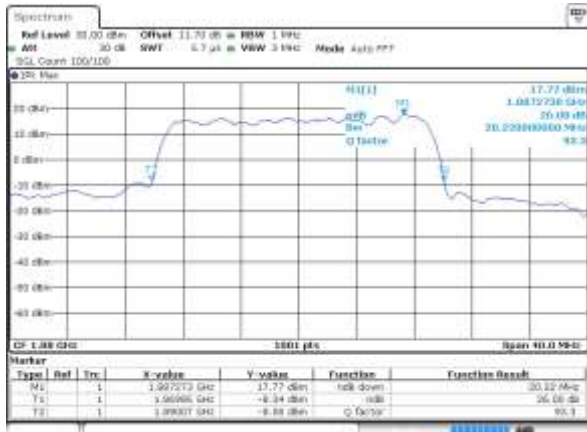
Lowest Channel / 20MHz / QPSK



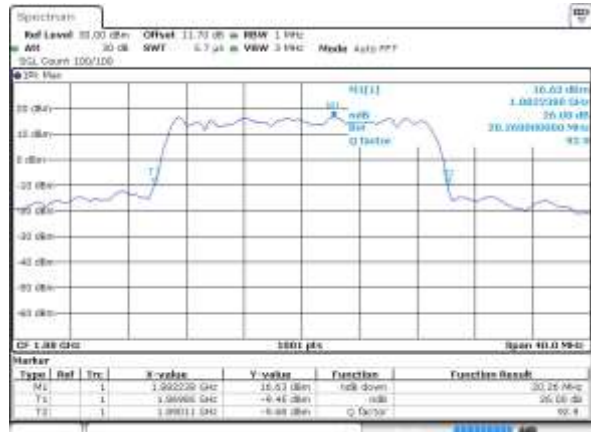
Lowest Channel / 20MHz / 16QAM



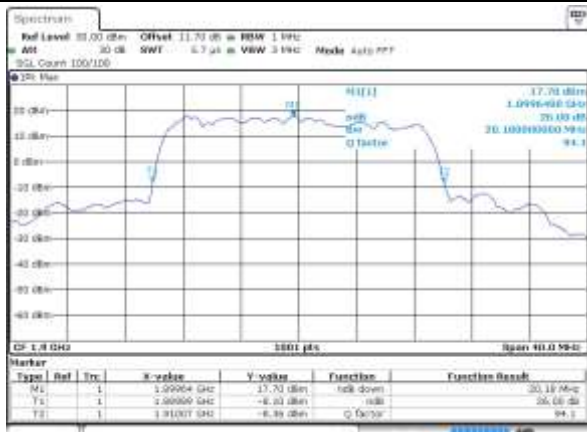
Middle Channel / 20MHz / QPSK



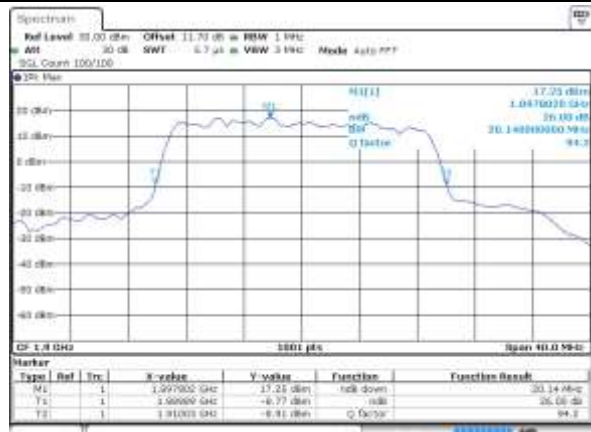
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM





### Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.1	2.74	2.7	4.47	4.5	9.05	9.07	13.4	13.37	18.3	18.1
Middle CH	1.09	1.1	2.72	2.74	4.47	4.49	9.03	9.03	13.58	13.43	18.42	18.54
Highest CH	1.1	1.1	2.73	2.7	4.48	4.5	9.07	9.07	13.52	13.73	18.26	18.22





LTE Band 2

Lowest Channel / 1.4MHz / QPSK



Date: 19\_JAN 2017 22:28:41

Lowest Channel / 1.4MHz / 16QAM



Date: 19\_JAN 2017 22:28:51

Middle Channel / 1.4MHz / QPSK



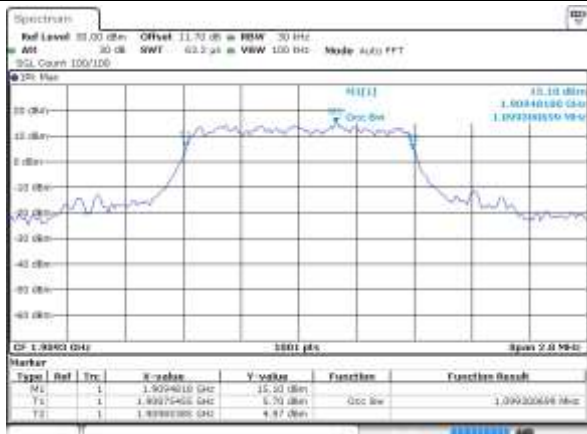
Date: 19\_JAN 2017 22:27:40

Middle Channel / 1.4MHz / 16QAM



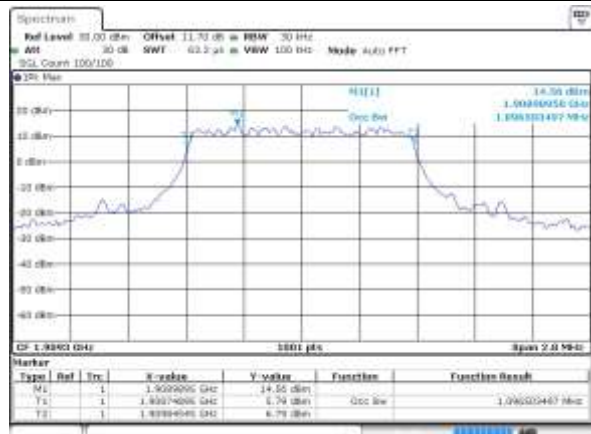
Date: 19\_JAN 2017 22:27:50

Highest Channel / 1.4MHz / QPSK



Date: 19\_JAN 2017 22:28:16

Highest Channel / 1.4MHz / 16QAM



Date: 19\_JAN 2017 22:28:26



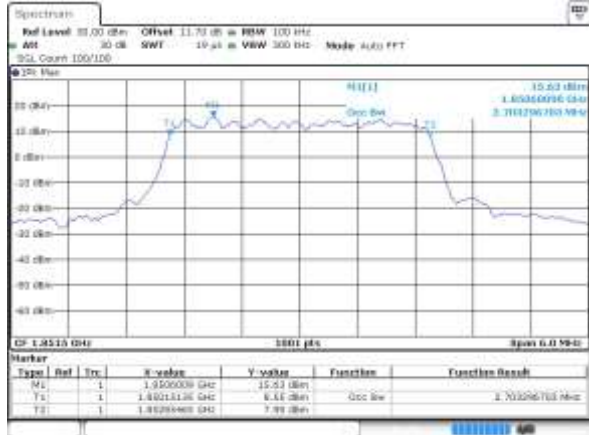
LTE Band 2

Lowest Channel / 3MHz / QPSK



Date: 19\_JAN 2017 20:57:11

Lowest Channel / 3MHz / 16QAM



Date: 19\_JAN 2017 20:57:22

Middle Channel / 3MHz / QPSK



Date: 19\_JAN 2017 21:04:16

Middle Channel / 3MHz / 16QAM



Date: 19\_JAN 2017 21:04:26

Highest Channel / 3MHz / QPSK



Date: 19\_JAN 2017 21:08:40

Highest Channel / 3MHz / 16QAM

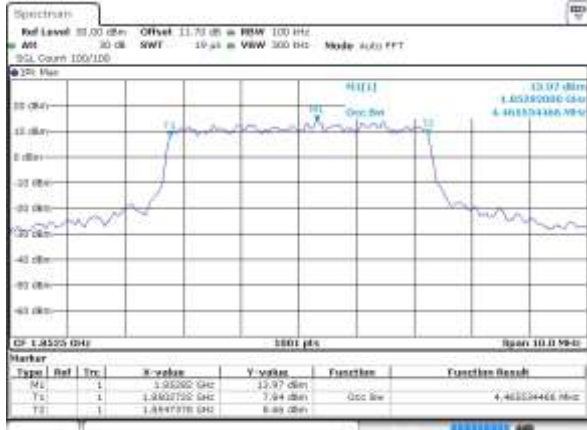


Date: 19\_JAN 2017 21:07:30



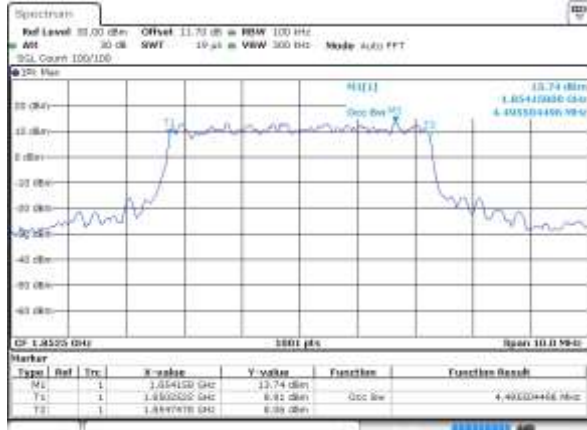
LTE Band 2

Lowest Channel / 5MHz / QPSK



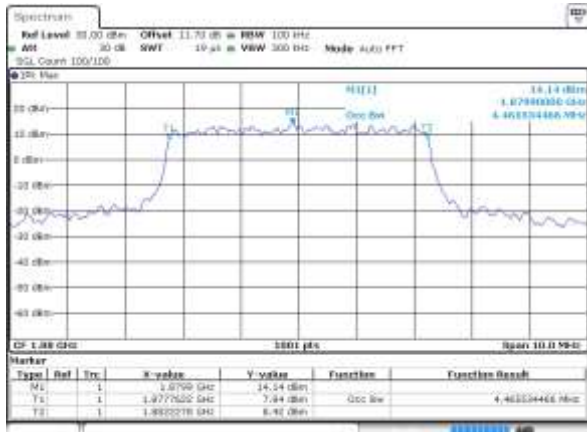
Date: 19\_JAN 2017 21:13:57

Lowest Channel / 5MHz / 16QAM



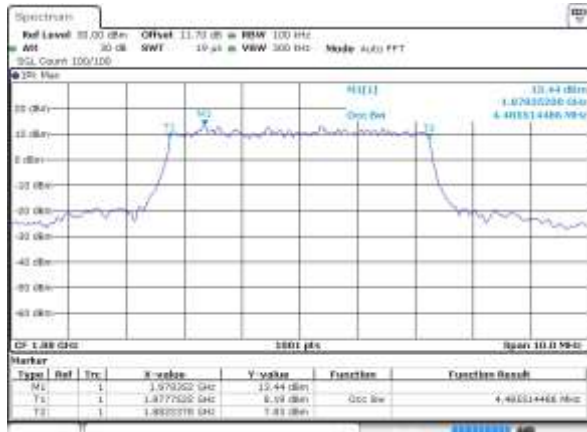
Date: 19\_JAN 2017 21:14:00

Middle Channel / 5MHz / QPSK



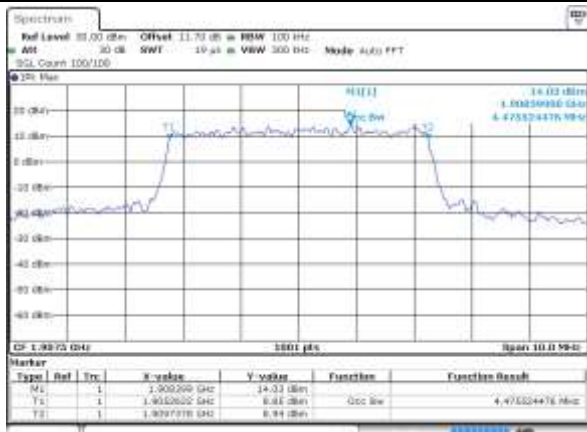
Date: 19\_JAN 2017 21:21:55

Middle Channel / 5MHz / 16QAM



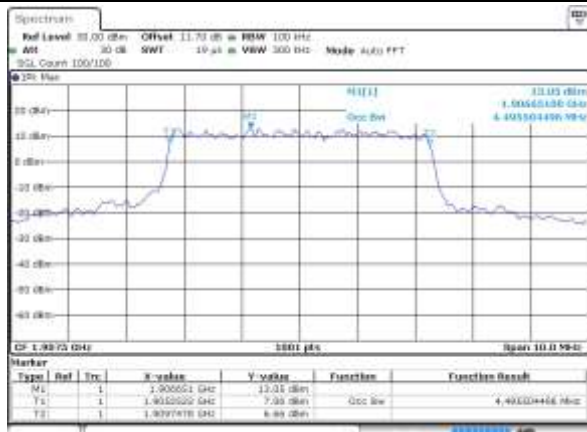
Date: 19\_JAN 2017 21:21:55

Highest Channel / 5MHz / QPSK



Date: 19\_JAN 2017 21:23:30

Highest Channel / 5MHz / 16QAM

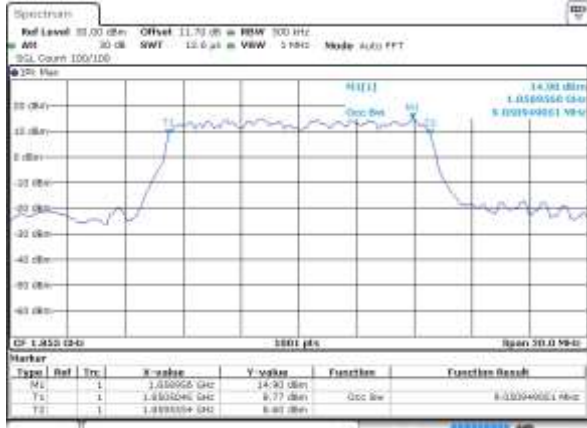


Date: 19\_JAN 2017 21:23:40



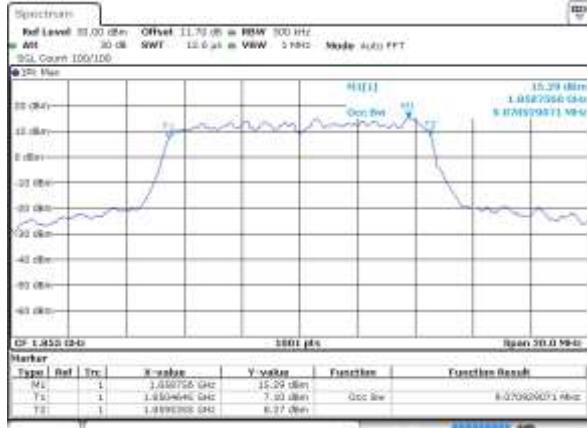
LTE Band 2

Lowest Channel / 10MHz / QPSK



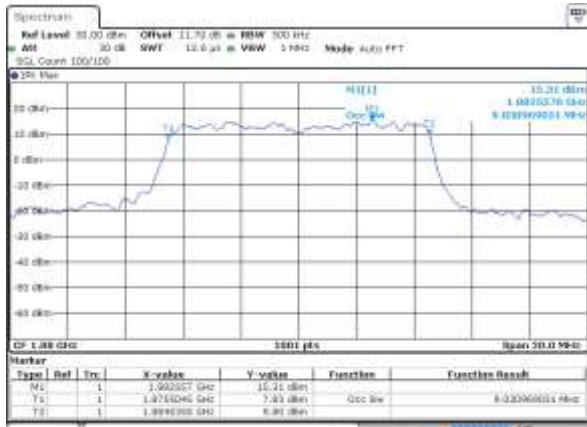
Date: 19\_JAN 2017 21:38:42

Lowest Channel / 10MHz / 16QAM



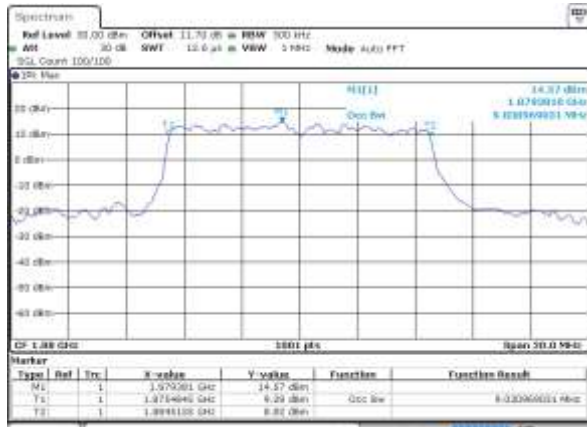
Date: 19\_JAN 2017 21:38:52

Middle Channel / 10MHz / QPSK



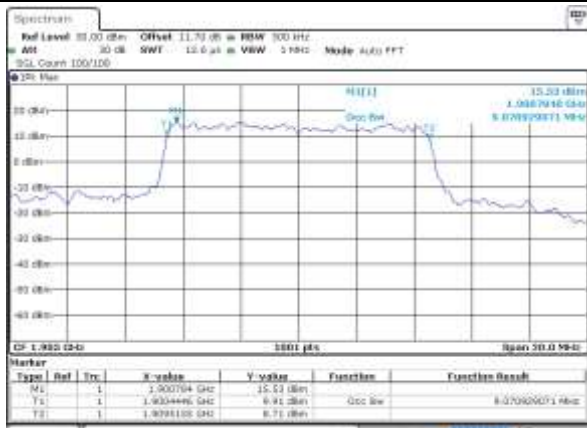
Date: 19\_JAN 2017 21:37:48

Middle Channel / 10MHz / 16QAM



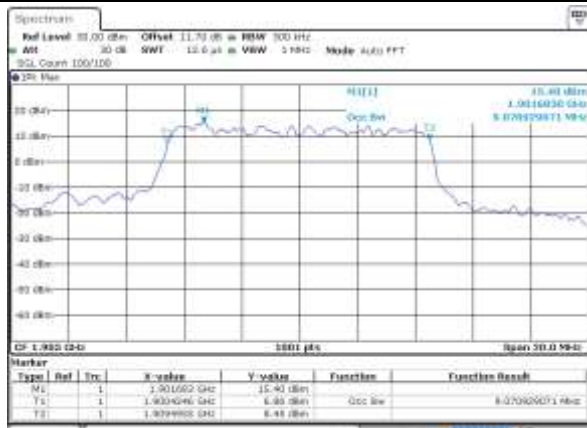
Date: 19\_JAN 2017 21:37:58

Highest Channel / 10MHz / QPSK



Date: 19\_JAN 2017 21:48:20

Highest Channel / 10MHz / 16QAM

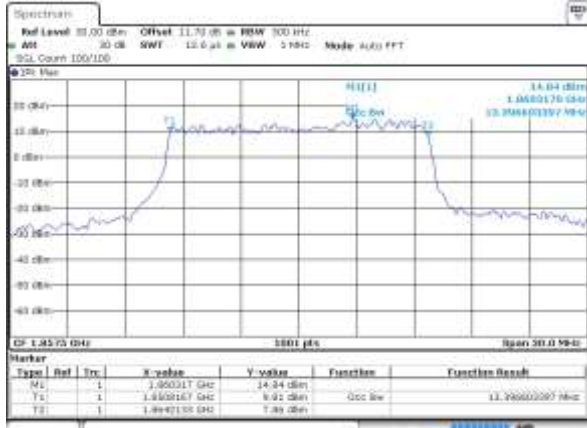


Date: 19\_JAN 2017 21:48:30

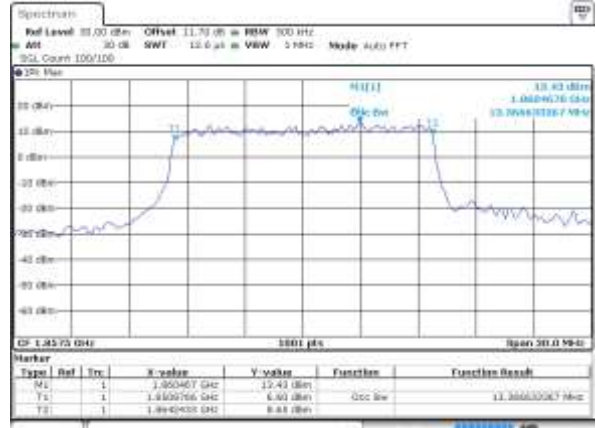


LTE Band 2

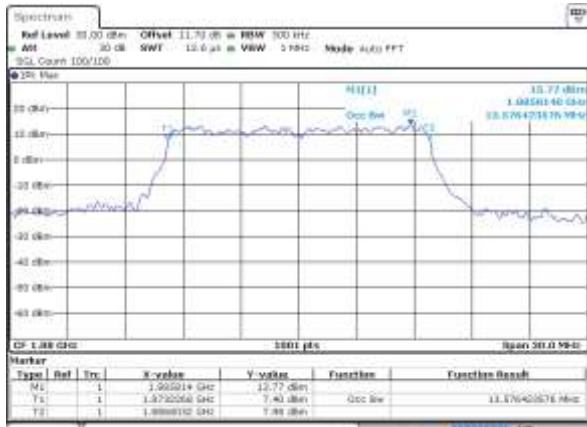
Lowest Channel / 15MHz / QPSK



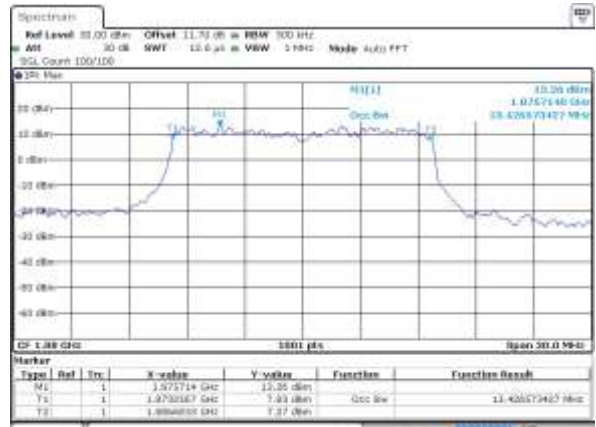
Lowest Channel / 15MHz / 16QAM



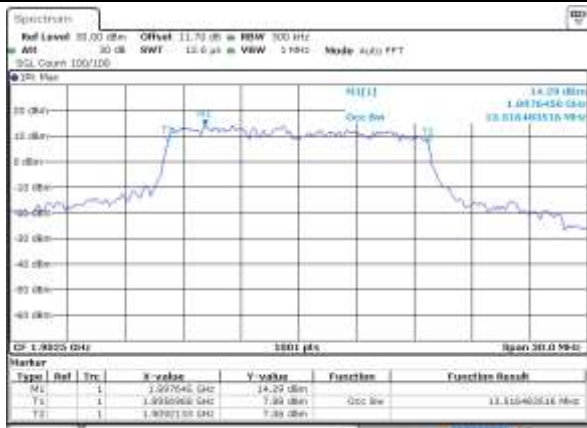
Middle Channel / 15MHz / QPSK



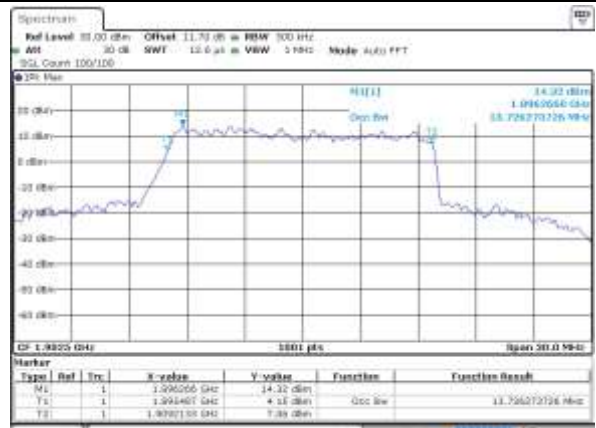
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



Highest Channel / 15MHz / 16QAM







LTE Band 2

Lowest Channel / 20MHz / QPSK



Date: 19\_JAN 2017 22:04:11

Lowest Channel / 20MHz / 16QAM



Date: 19\_JAN 2017 22:04:22

Middle Channel / 20MHz / QPSK



Date: 19\_JAN 2017 22:11:16

Middle Channel / 20MHz / 16QAM



Date: 19\_JAN 2017 22:11:26

Highest Channel / 20MHz / QPSK



Date: 19\_JAN 2017 22:13:40

Highest Channel / 20MHz / 16QAM



Date: 19\_JAN 2017 22:13:50



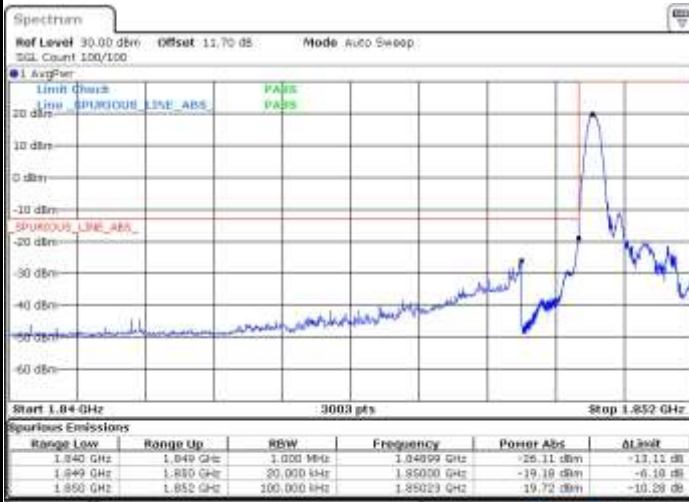


**Conducted Band Edge**



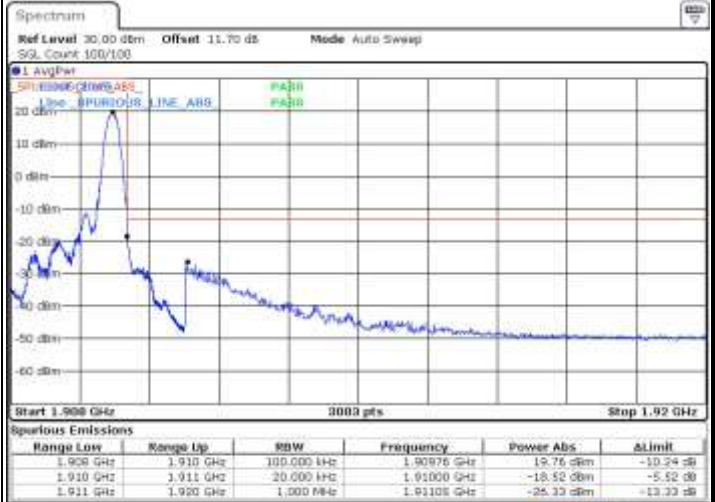
LTE Band 2 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



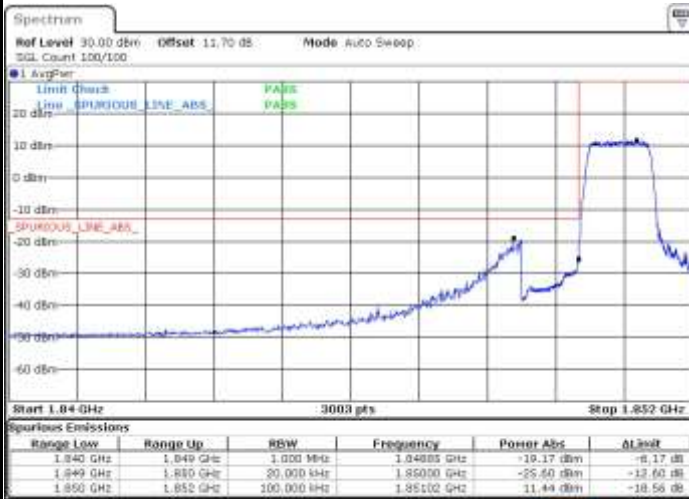
Date: 19 JAN 2017 22:22:20

Highest Band Edge / 1RB



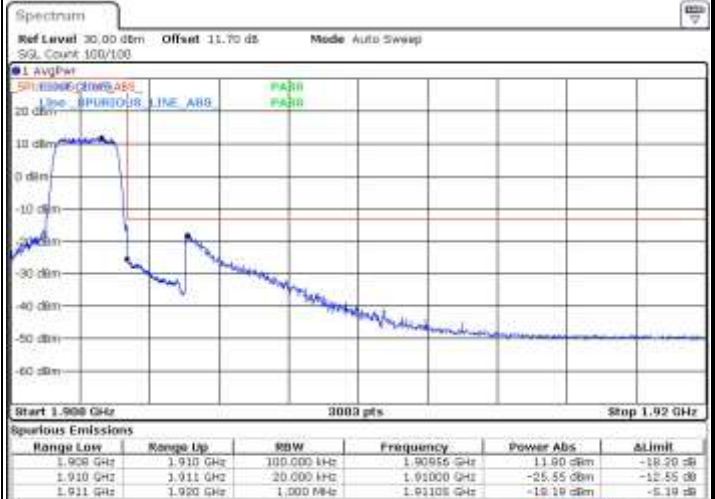
Date: 19 JAN 2017 22:21:58

Lowest Band Edge / Full RB



Date: 19 JAN 2017 22:24:39

Highest Band Edge / Full RB

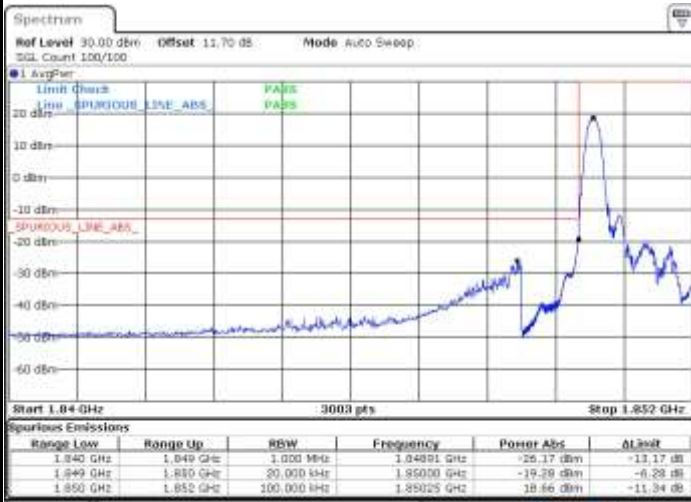


Date: 19 JAN 2017 22:24:17



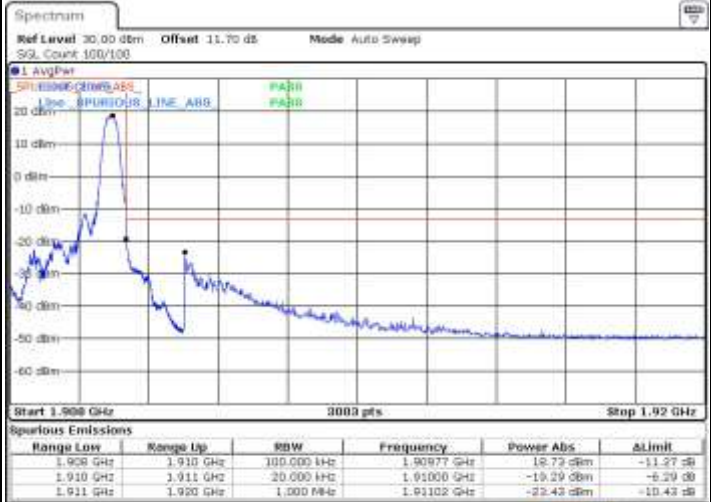
LTE Band 2 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



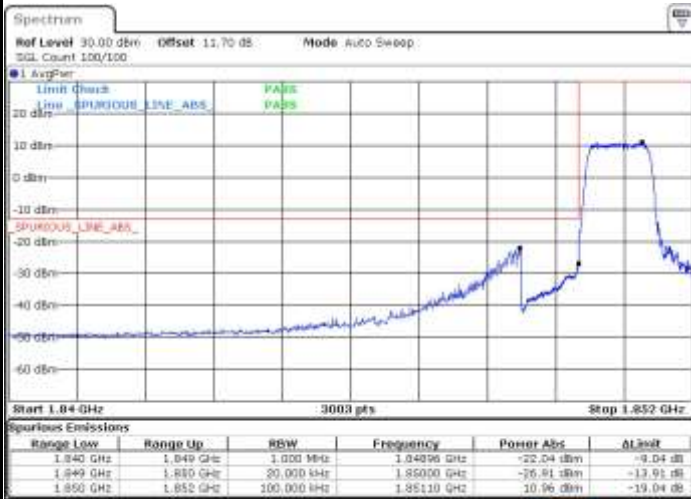
Date: 19 JAN 2017 22:23:29

Highest Band Edge / 1 RB



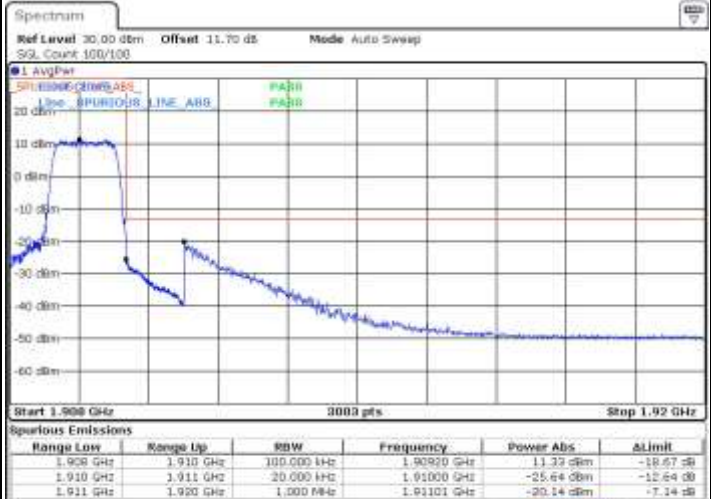
Date: 19 JAN 2017 22:33:07

Lowest Band Edge / Full RB



Date: 19 JAN 2017 22:25:48

Highest Band Edge / Full RB

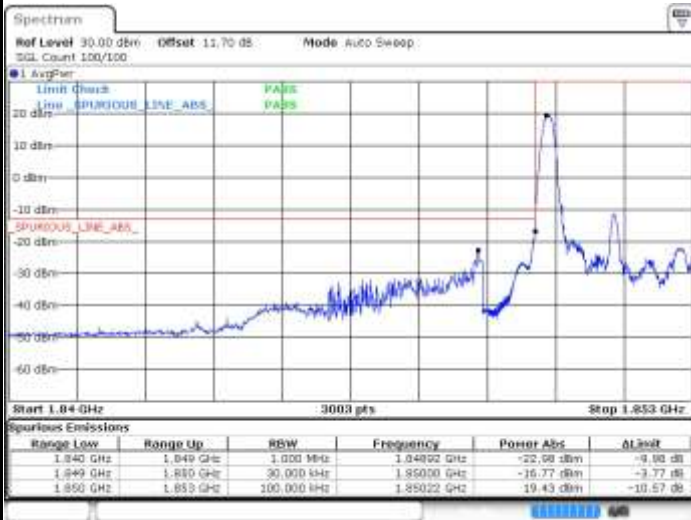


Date: 19 JAN 2017 22:35:28



LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB



Date: 19 JAN 2017 20:58:51

Highest Band Edge / 1 RB



Date: 19 JAN 2017 21:08:30

Lowest Band Edge / Full RB



Date: 19 JAN 2017 21:01:00

Highest Band Edge / Full RB

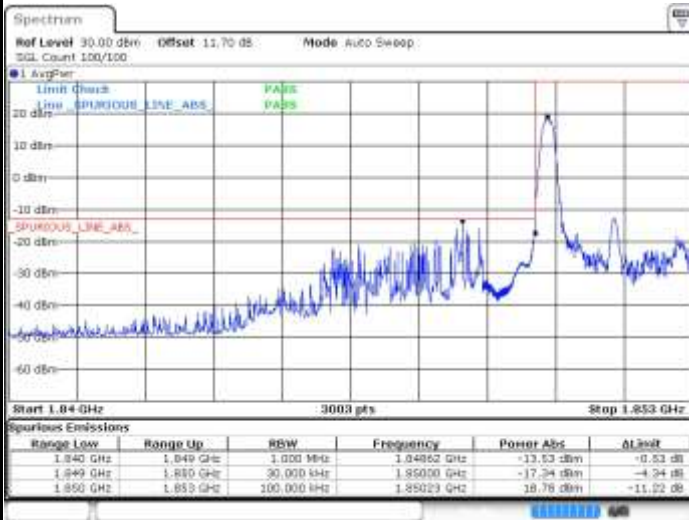


Date: 19 JAN 2017 21:10:48



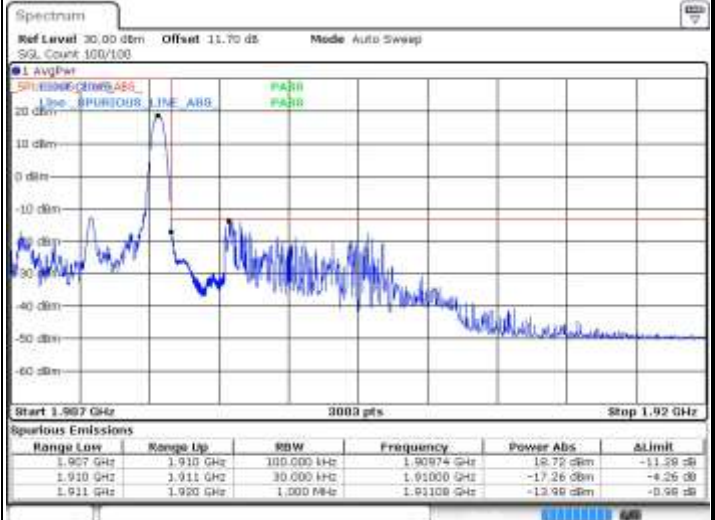
LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



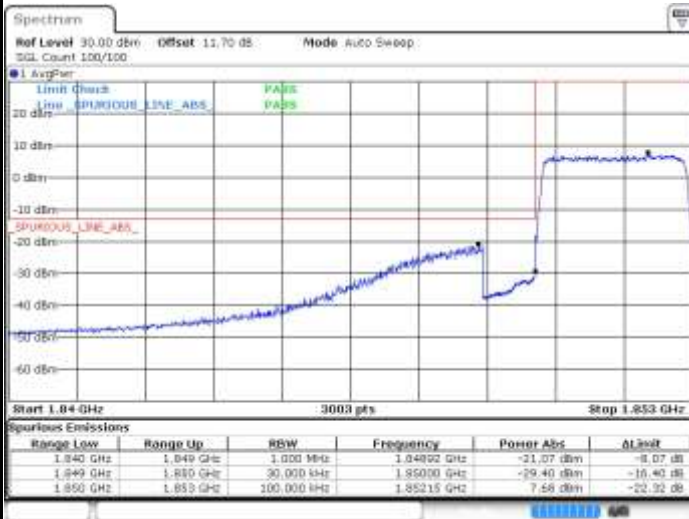
Date: 19 JAN 2017 21:00:00

Highest Band Edge / 1 RB



Date: 19 JAN 2017 21:09:39

Lowest Band Edge / Full RB



Date: 19 JAN 2017 21:02:18

Highest Band Edge / Full RB



Date: 19 JAN 2017 21:11:57





LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1 RB



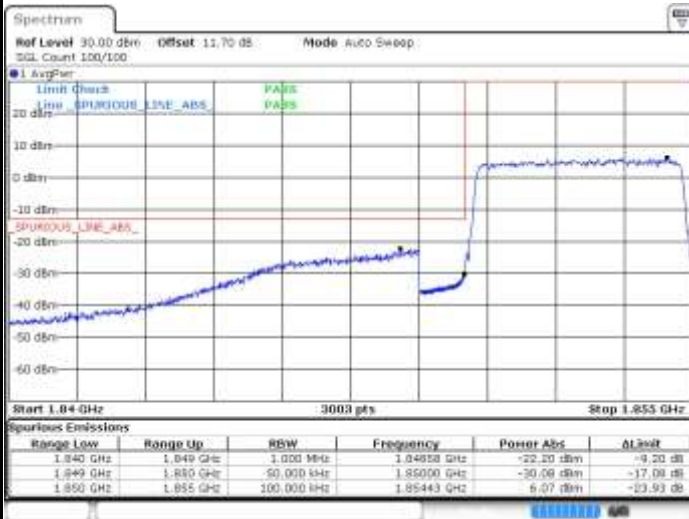
Date: 19 JAN 2017 21:15:37

Highest Band Edge / 1 RB



Date: 19 JAN 2017 21:25:15

Lowest Band Edge / Full RB



Date: 19 JAN 2017 21:17:55

Highest Band Edge / Full RB



Date: 19 JAN 2017 21:27:33





LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB



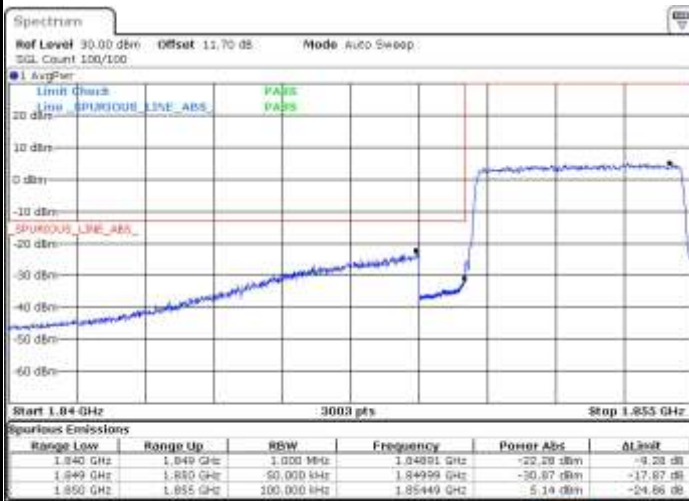
Date: 19 JAN 2017 21:18:40

Highest Band Edge / 1 RB



Date: 19 JAN 2017 21:28:24

Lowest Band Edge / Full RB



Date: 19 JAN 2017 21:19:04

Highest Band Edge / Full RB



Date: 19 JAN 2017 21:28:42

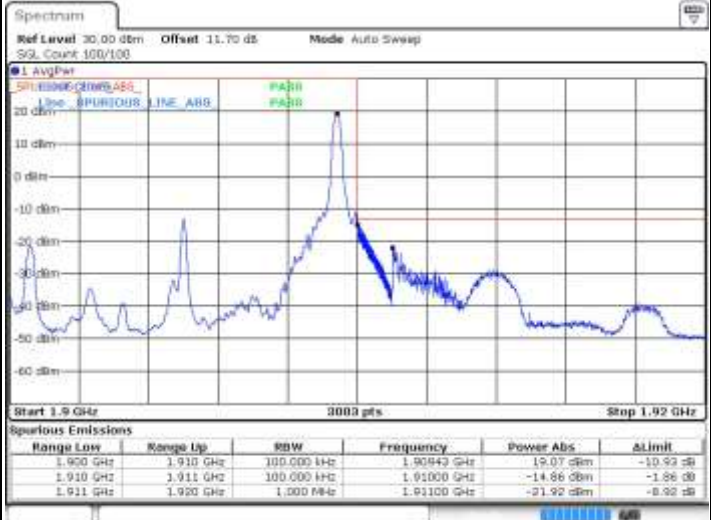


LTE Band 2 / 10MHz / QPSK

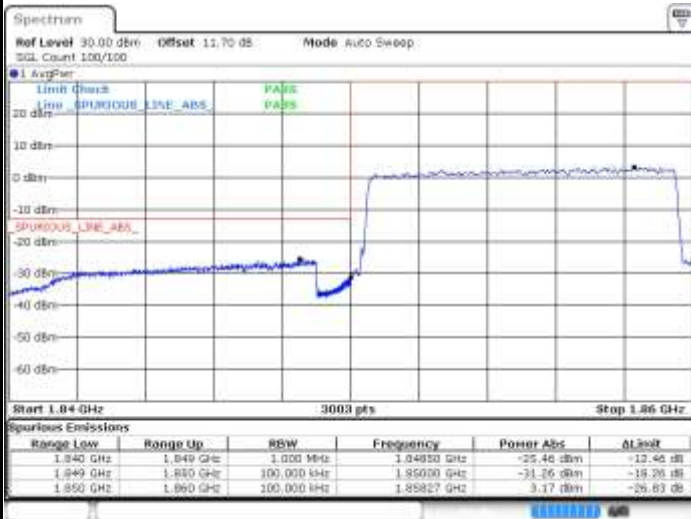
Lowest Band Edge / 1 RB



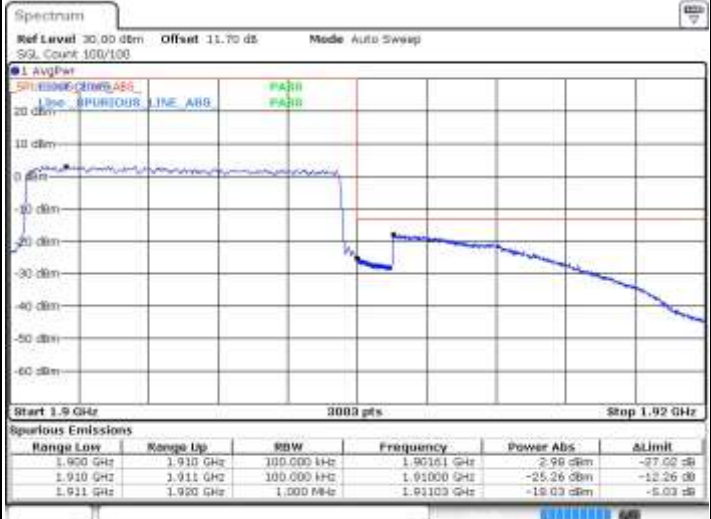
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



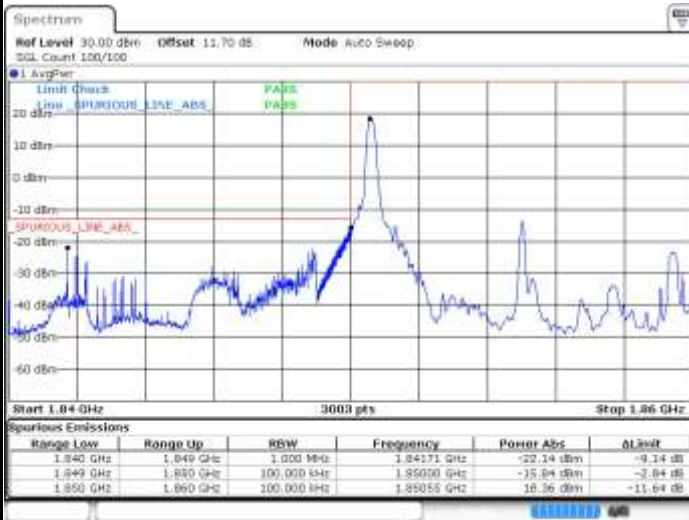
Highest Band Edge / Full RB





LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



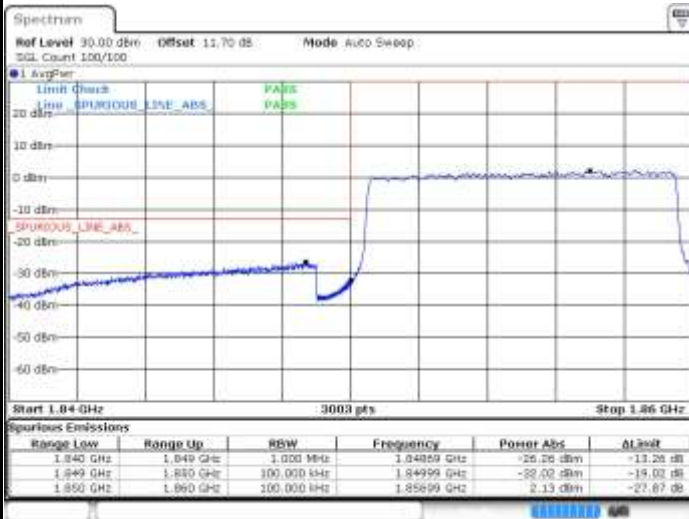
Date: 19 JAN 2017 21:33:31

Highest Band Edge / 1 RB



Date: 19 JAN 2017 21:43:08

Lowest Band Edge / Full RB



Date: 19 JAN 2017 21:35:40

Highest Band Edge / Full RB



Date: 19 JAN 2017 21:45:27



LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



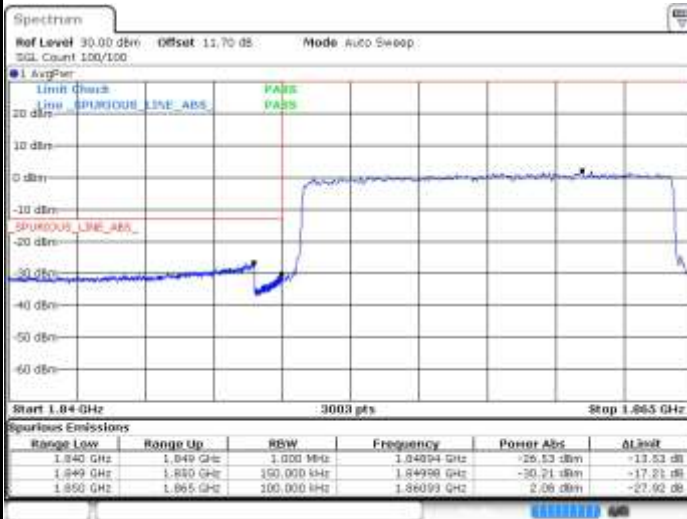
Date: 19 JAN 2017 21:49:08

Highest Band Edge / 1 RB



Date: 19 JAN 2017 21:58:44

Lowest Band Edge / Full RB



Date: 19 JAN 2017 21:51:25

Highest Band Edge / Full RB



Date: 19 JAN 2017 22:01:02





LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



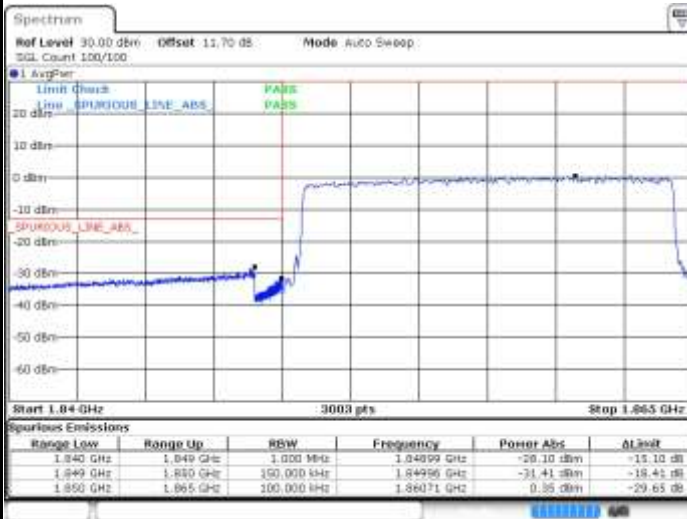
Date: 19 JAN 2017 21:50:16

Highest Band Edge / 1 RB



Date: 19 JAN 2017 21:59:53

Lowest Band Edge / Full RB



Date: 19 JAN 2017 21:52:34

Highest Band Edge / Full RB



Date: 19 JAN 2017 22:02:11



LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



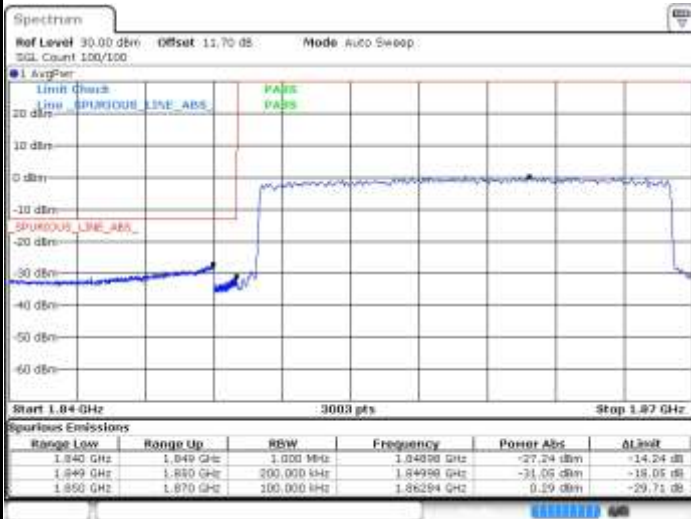
Date: 19 JAN 2017 22:05:51

Highest Band Edge / 1 RB



Date: 19 JAN 2017 22:18:02

Lowest Band Edge / Full RB



Date: 19 JAN 2017 22:08:09

Highest Band Edge / Full RB



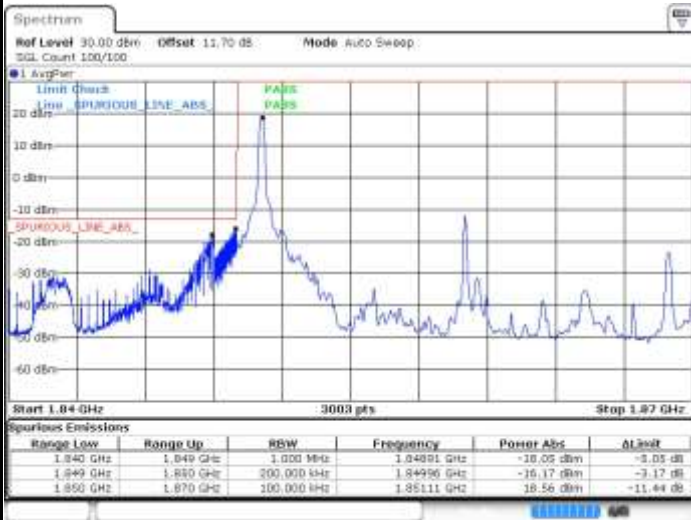
Date: 19 JAN 2017 22:43:47





LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



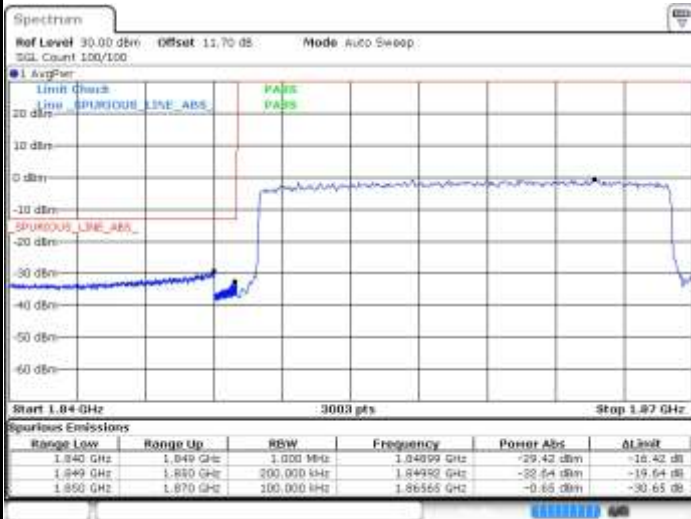
Date: 19 JAN 2017 22:07:00

Highest Band Edge / 1 RB



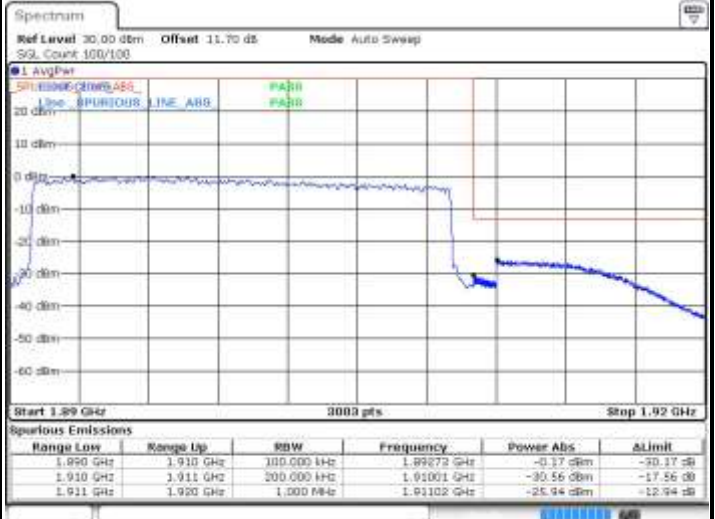
Date: 19 JAN 2017 22:19:11

Lowest Band Edge / Full RB



Date: 19 JAN 2017 22:09:19

Highest Band Edge / Full RB



Date: 19 JAN 2017 22:41:03



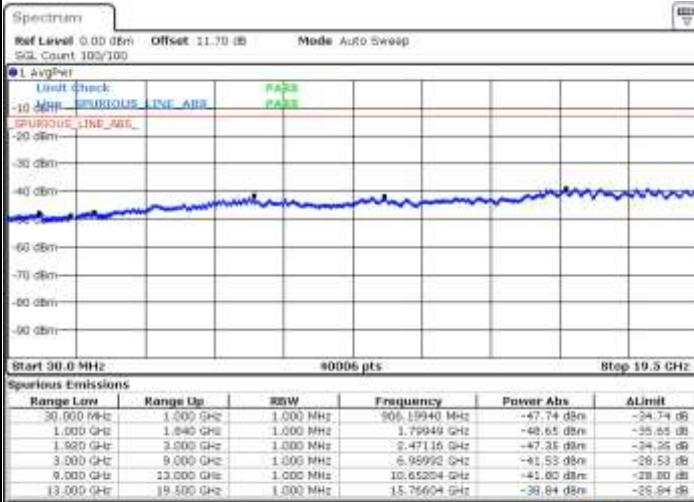
**Conducted Spurious Emission**



LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 19 JAN 2017 22:26:43

Date: 19 JAN 2017 22:27:37

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 19 JAN 2017 22:29:15

Date: 19 JAN 2017 22:30:06



LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 19 JAN 2017 22:36:20

Highest Channel / 16QAM



Date: 19 JAN 2017 22:37:15

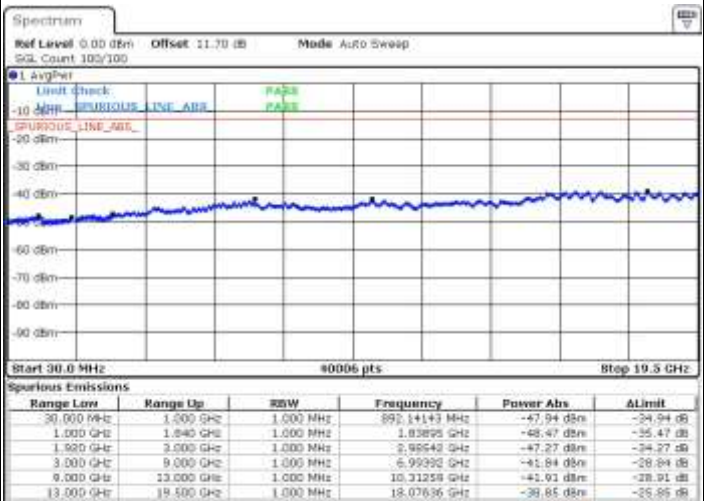
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 19 JAN 2017 21:05:13

Lowest Channel / 16QAM



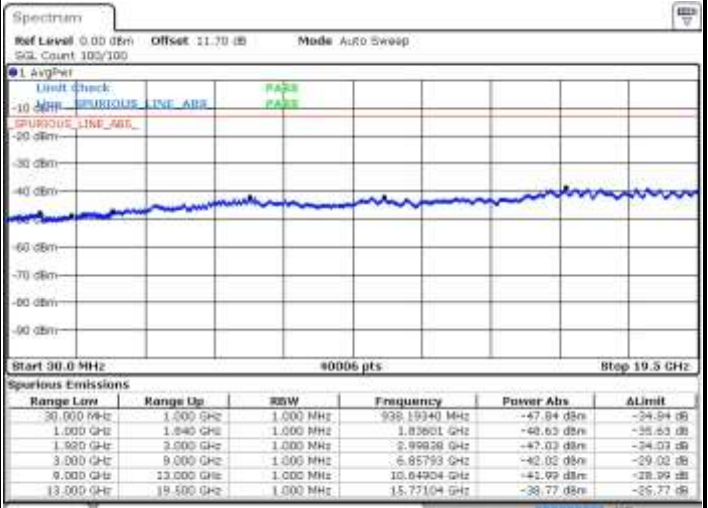
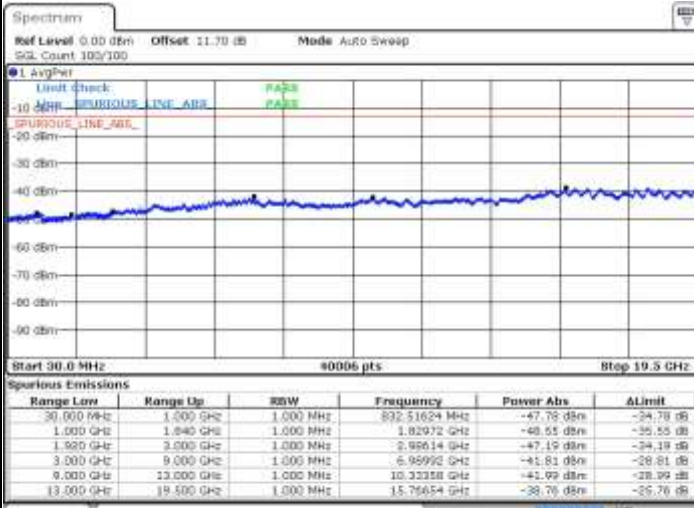
Date: 19 JAN 2017 21:04:06



LTE Band 2 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

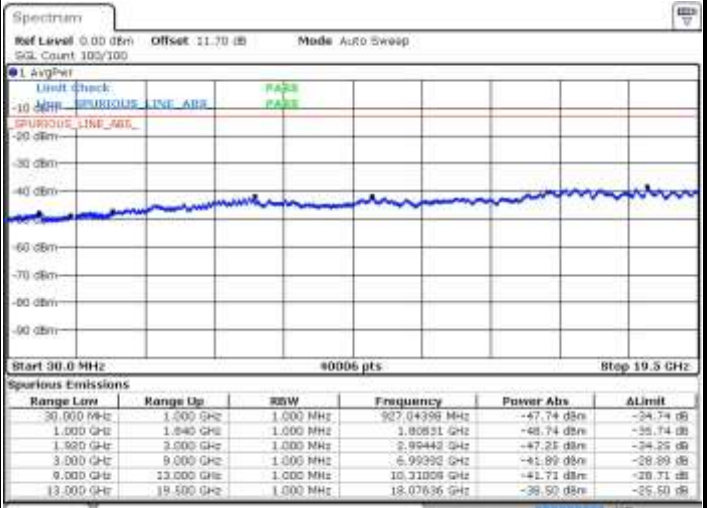


Date: 19\_JAN2017 21:06:44

Date: 19\_JAN2017 21:06:39

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19\_JAN2017 21:12:52

Date: 19\_JAN2017 21:13:47

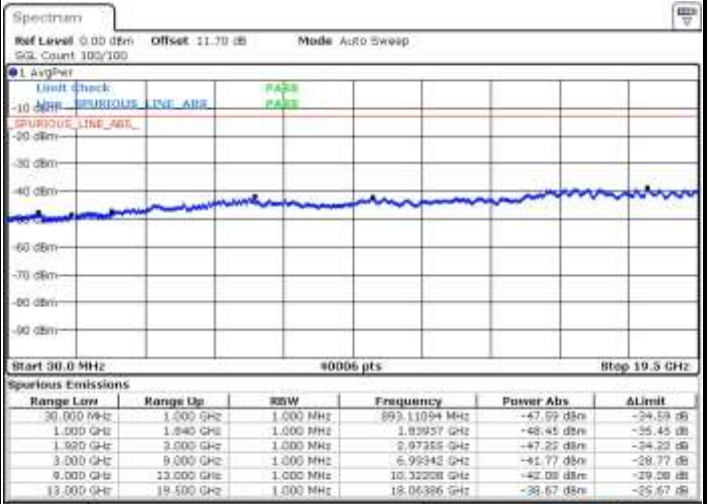
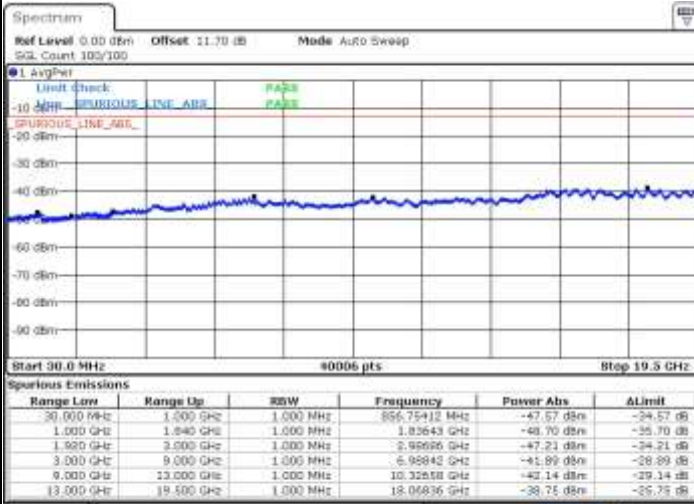




LTE Band 2 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

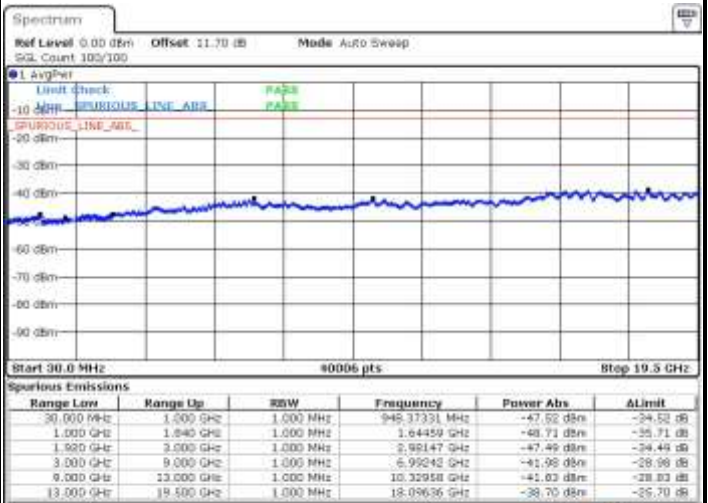
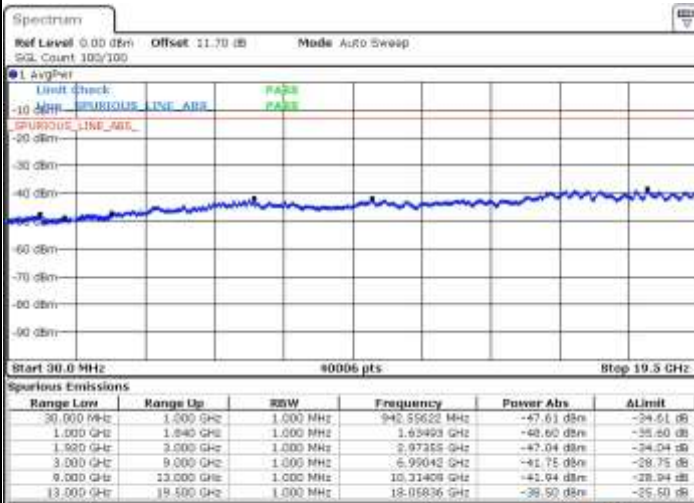


Date: 19 JAN 2017 21:19:59

Date: 19 JAN 2017 21:20:54

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 19 JAN 2017 21:22:30

Date: 19 JAN 2017 21:23:25



LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 19 JAN 2017 21:29:57

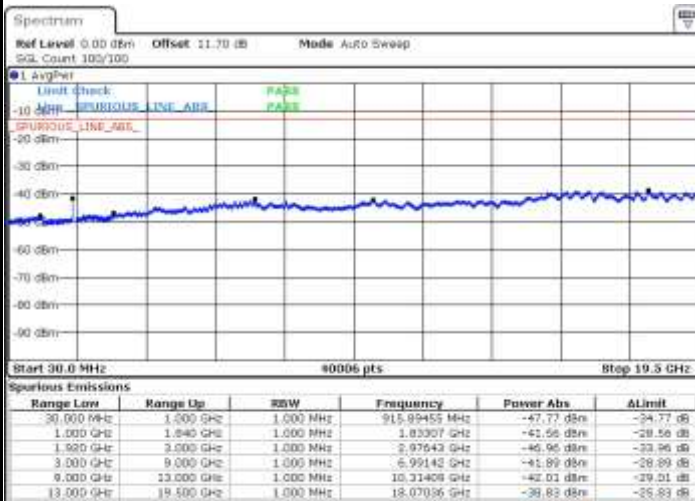
Highest Channel / 16QAM



Date: 19 JAN 2017 21:30:52

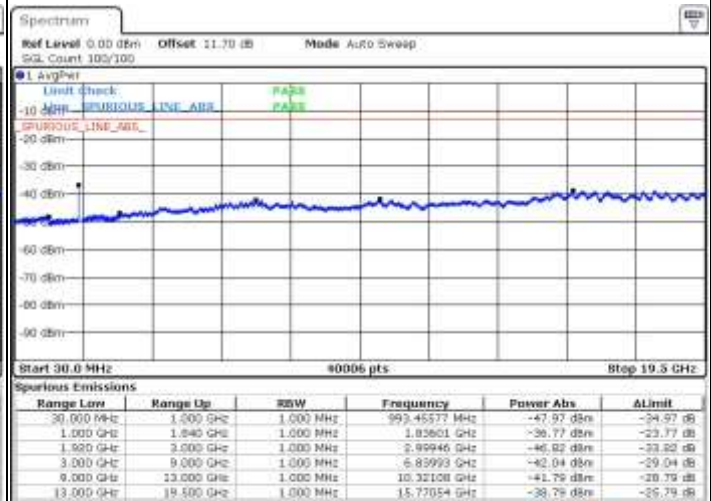
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 19 JAN 2017 21:36:44

Lowest Channel / 16QAM



Date: 19 JAN 2017 21:37:59



LTE Band 2 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

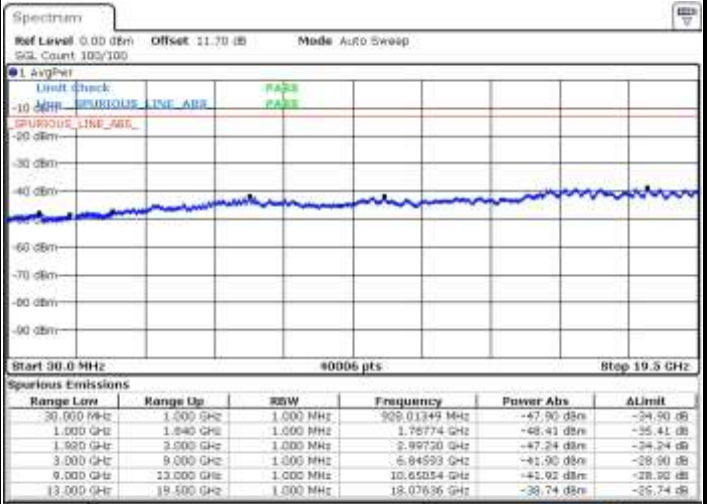
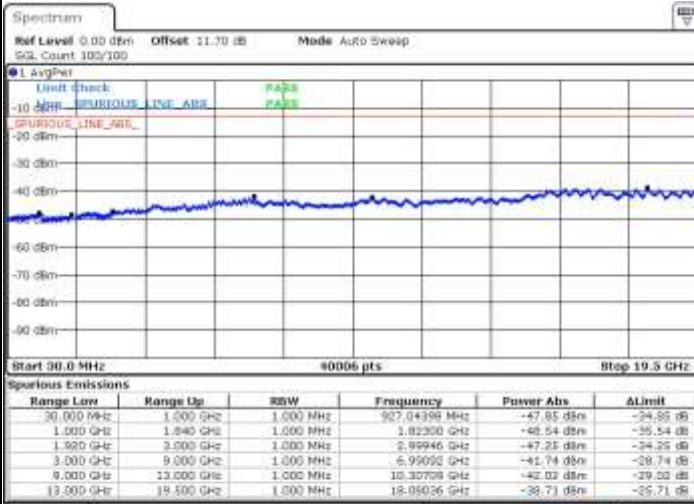


Date: 19 JAN 2017 21:39:14

Date: 19 JAN 2017 21:40:09

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19 JAN 2017 21:46:22

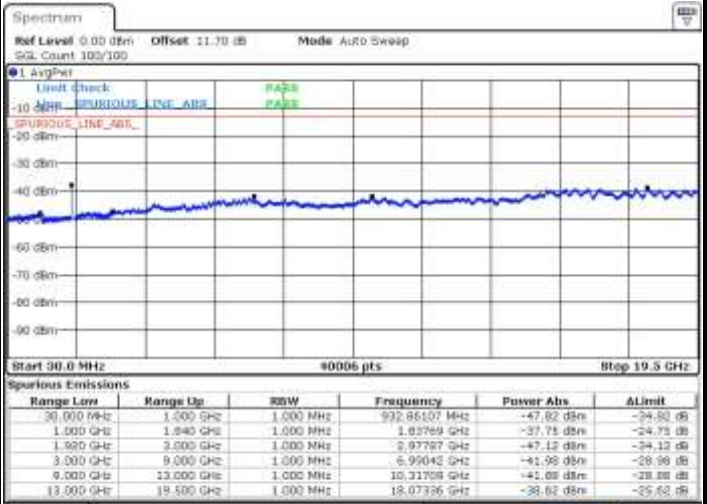
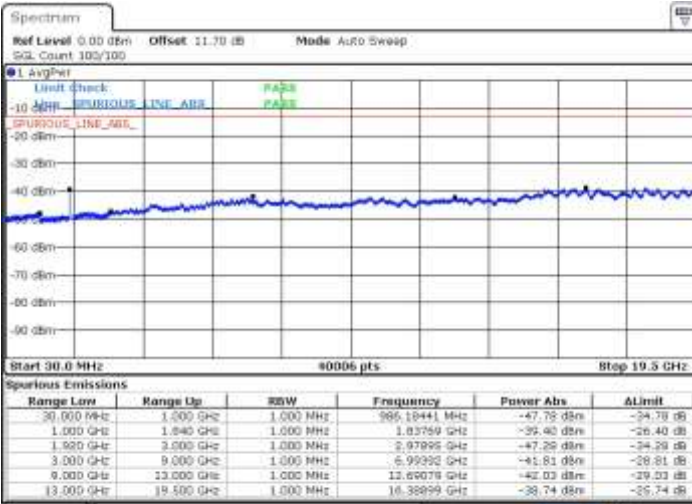
Date: 19 JAN 2017 21:47:16



LTE Band 2 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

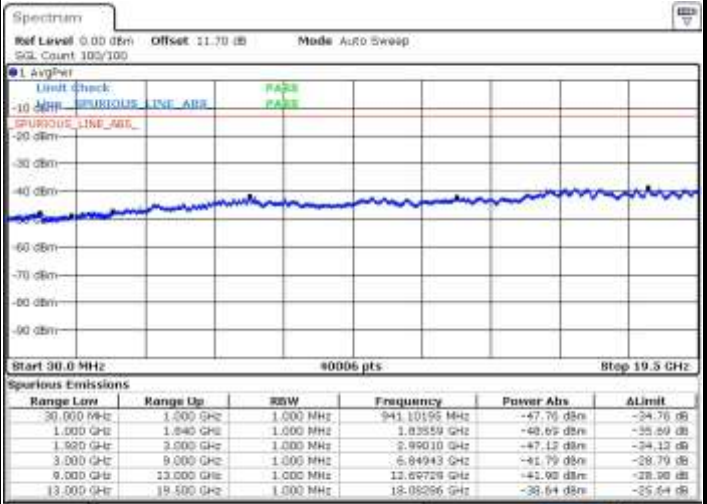
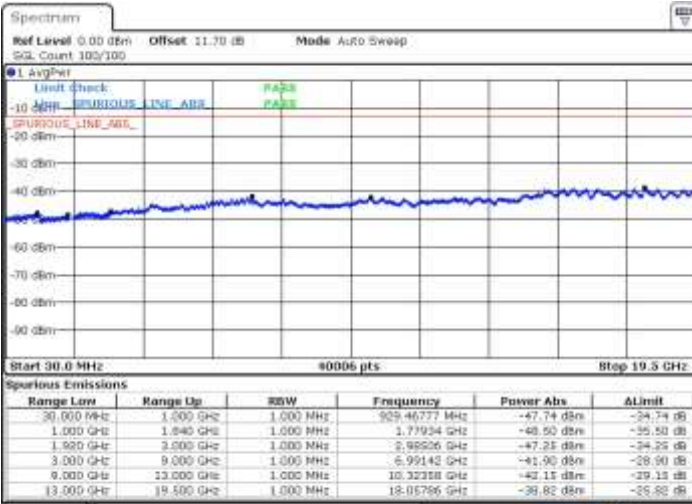


Date: 19 JAN 2017 21:55:29

Date: 19 JAN 2017 21:54:25

Middle Channel / QPSK

Middle Channel / 16QAM



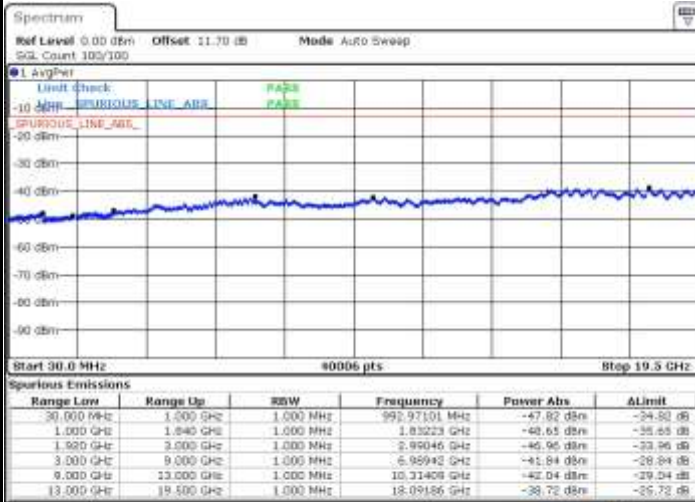
Date: 19 JAN 2017 21:55:59

Date: 19 JAN 2017 21:54:54



LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 19 JAN 2017 22:05:06

Highest Channel / 16QAM



Date: 19 JAN 2017 22:04:01

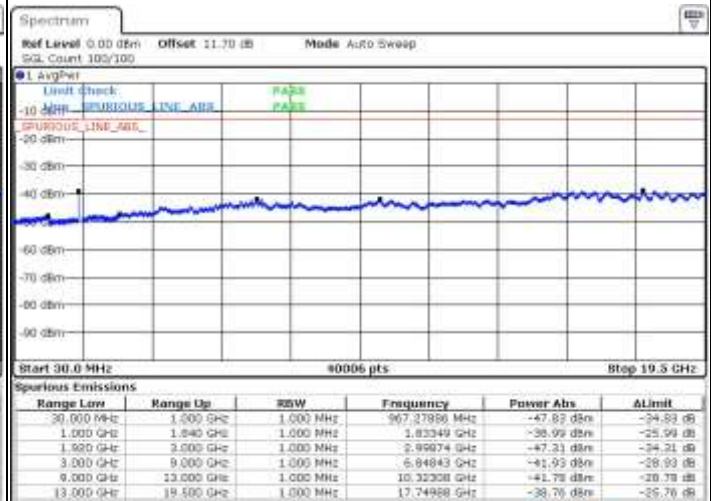
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 19 JAN 2017 22:10:15

Lowest Channel / 16QAM



Date: 19 JAN 2017 22:11:07