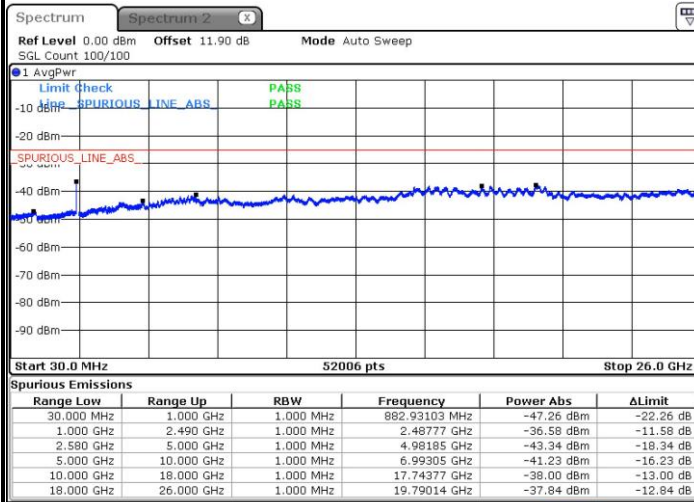




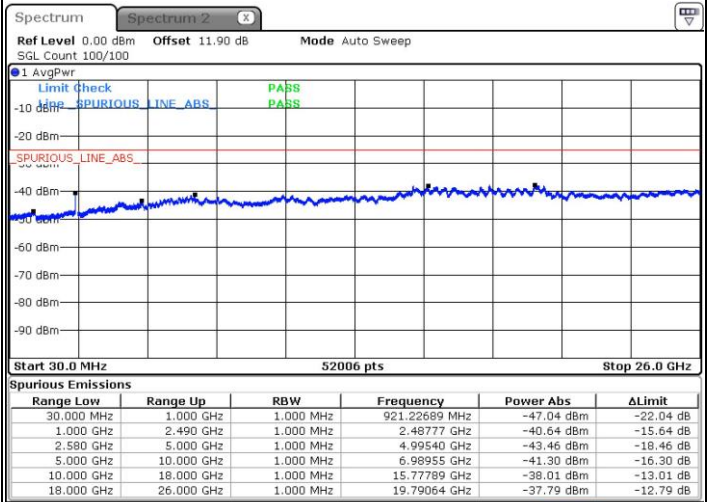
LTE Band 7 / 15MHz

Lowest Channel / QPSK



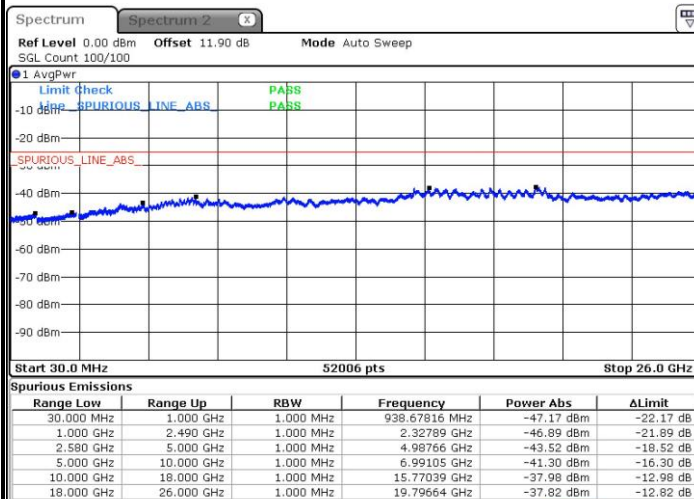
Date: 10 FEB 2017 00:31:40

Lowest Channel / 16QAM



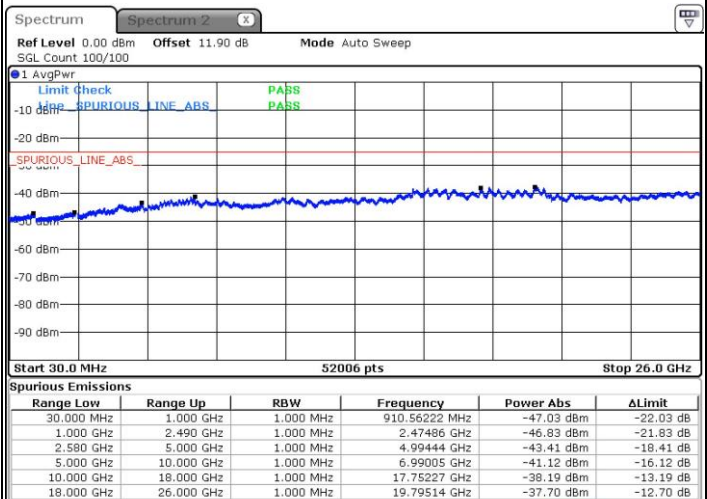
Date: 10 FEB 2017 00:32:34

Middle Channel / QPSK



Date: 10 FEB 2017 00:37:45

Middle Channel / 16QAM

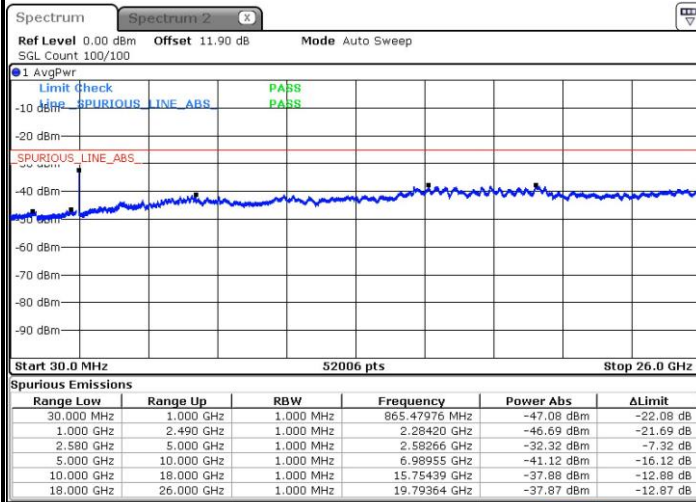


Date: 10 FEB 2017 00:38:39



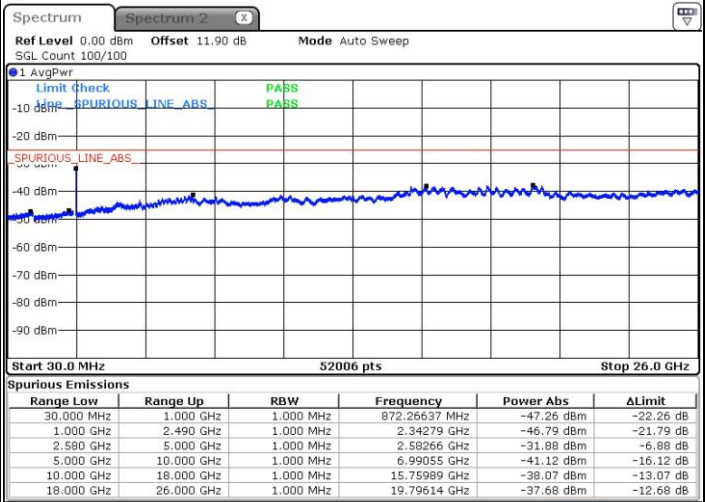
LTE Band 7 / 15MHz

Highest Channel / QPSK



Date: 10 FEB 2017 00:44:53

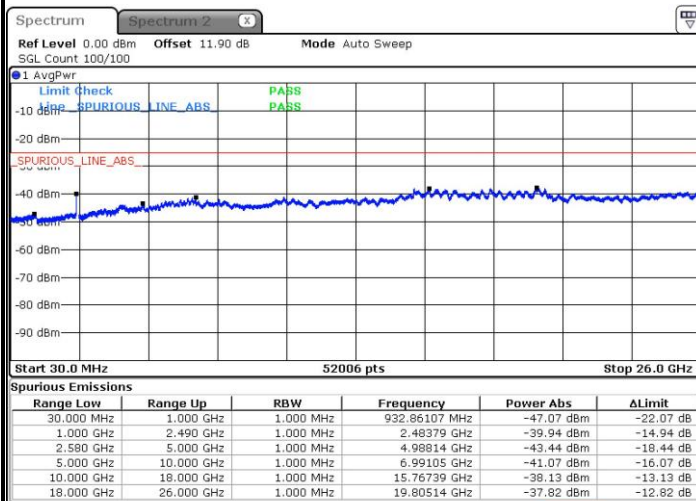
Highest Channel / 16QAM



Date: 10 FEB 2017 00:45:47

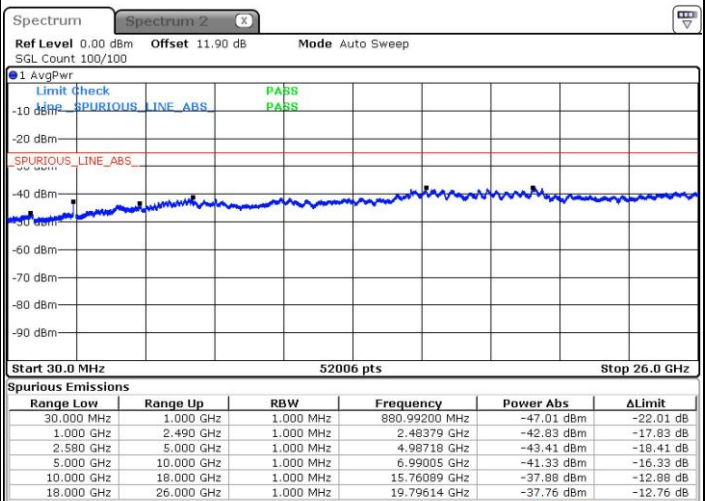
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 10 FEB 2017 00:52:01

Lowest Channel / 16QAM

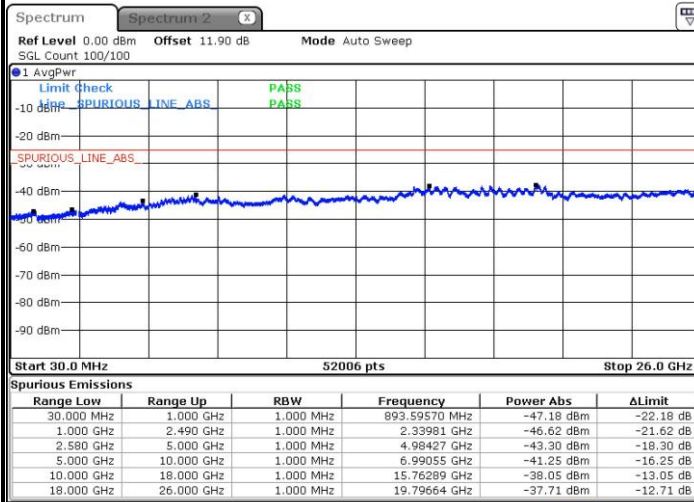


Date: 10 FEB 2017 00:52:55



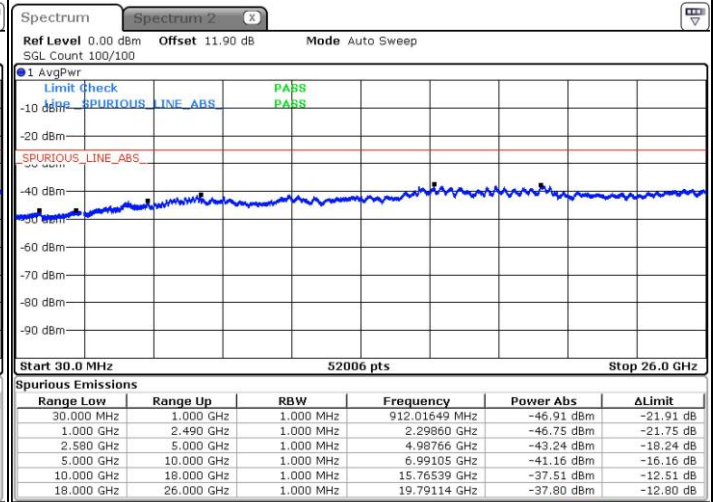
LTE Band 7 / 20MHz

Middle Channel / QPSK



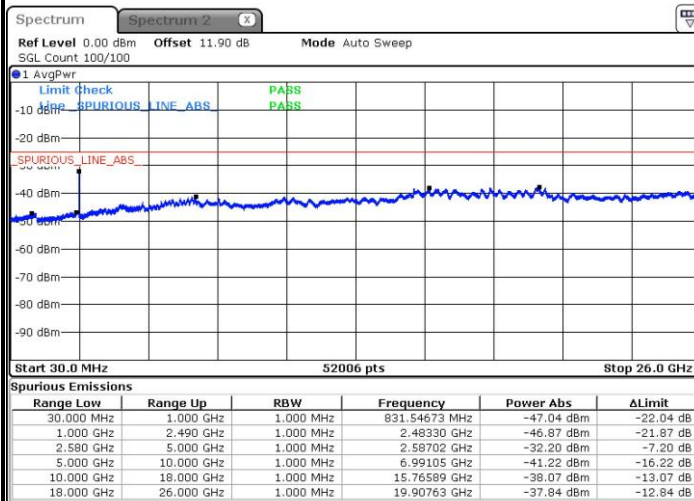
Date: 10 FEB 2017 00:54:30

Middle Channel / 16QAM



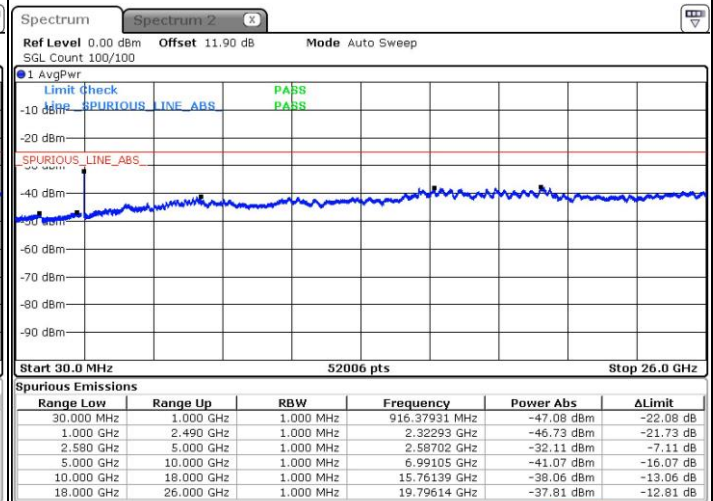
Date: 10 FEB 2017 00:55:24

Highest Channel / QPSK



Date: 10 FEB 2017 01:01:38

Highest Channel / 16QAM



Date: 10 FEB 2017 01:02:32

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	0.0009	PASS
40	Normal Voltage	0.0088	
30	Normal Voltage	0.0093	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0094	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0097	
-20	Normal Voltage	0.0093	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0095	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0093	

Note:

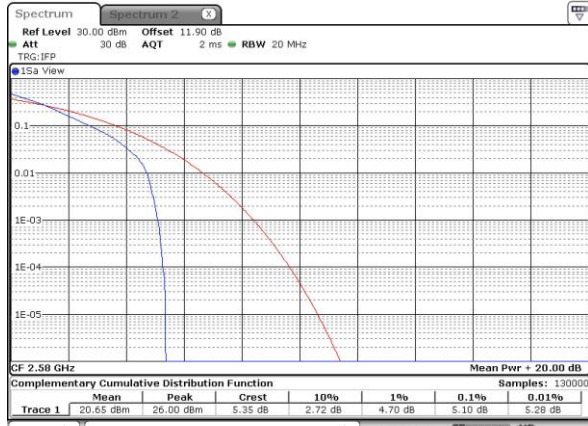
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



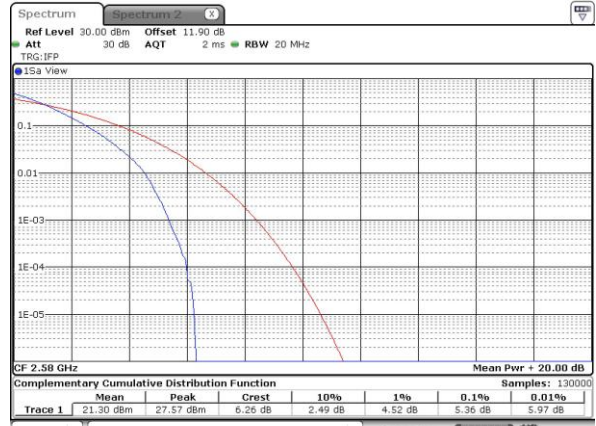
LTE Band 38

Peak-to-Average Ratio

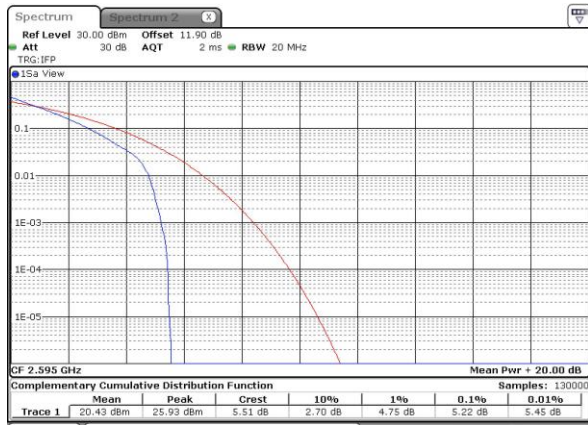
Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.1	5.36	6	6.35	PASS
Middle CH	5.22	5.39	6.23	6.46	
Highest CH	5.22	5.33	6.17	6.41	

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


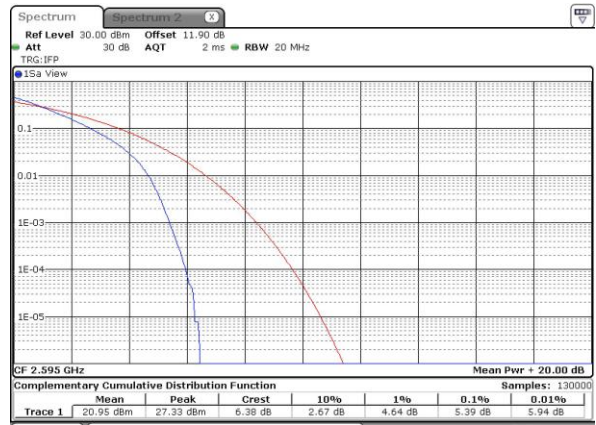
Date: 13 FEB 2017 10:16:15

Lowest Channel / Full RB


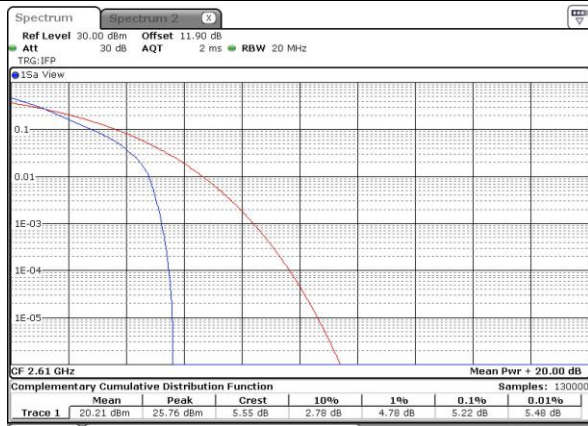
Date: 13 FEB 2017 10:16:32

Middle Channel / 1RB


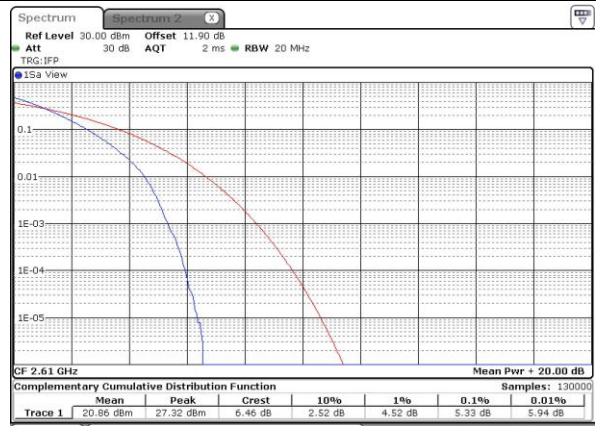
Date: 13 FEB 2017 10:16:55

Middle Channel / Full RB


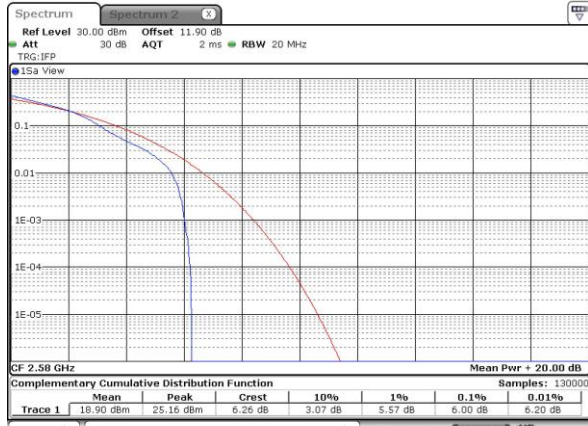
Date: 13 FEB 2017 10:19:21

Highest Channel / 1RB


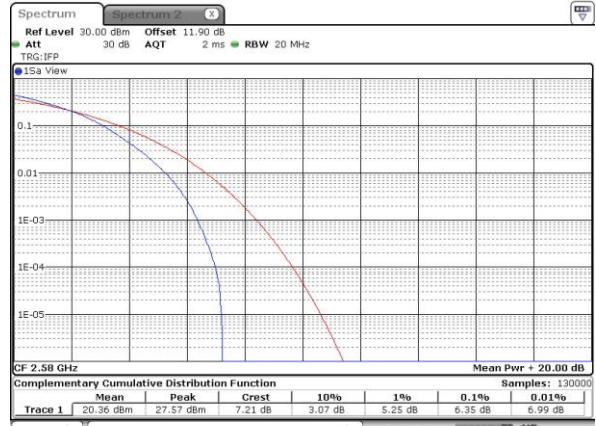
Date: 13 FEB 2017 10:19:51

Highest Channel / Full RB


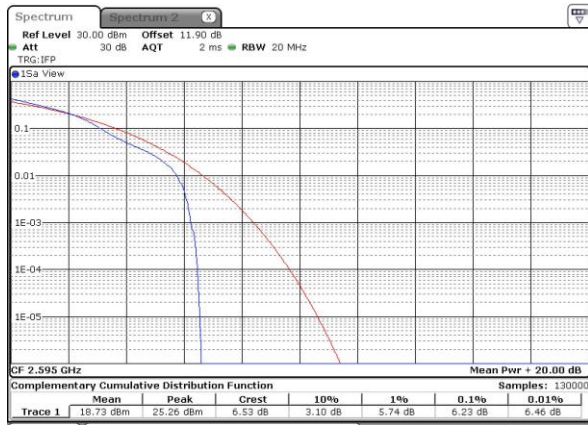
Date: 13 FEB 2017 10:20:09

LTE Band 38 / 20MHz / 16QAM
Lowest Channel / 1RB


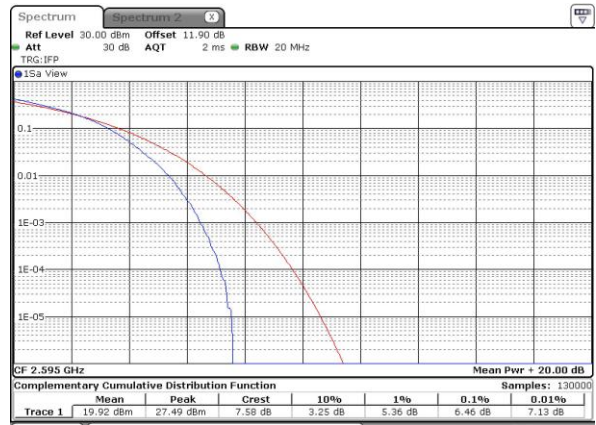
Date: 13 FEB 2017 10:13:51

Lowest Channel / Full RB


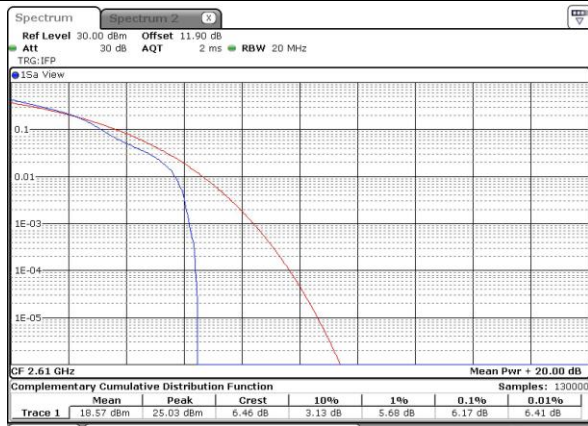
Date: 13 FEB 2017 10:14:07

Middle Channel / 1RB


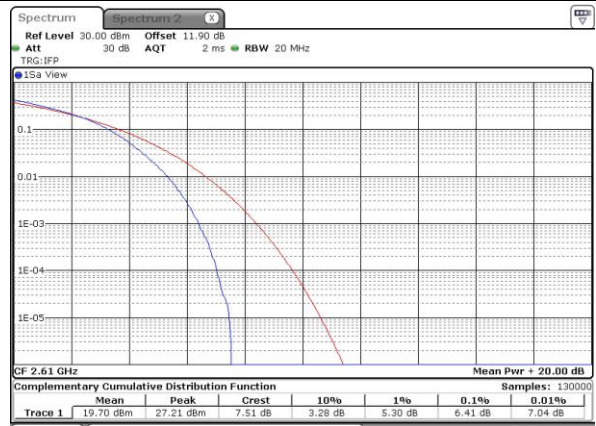
Date: 13 FEB 2017 10:14:27

Middle Channel / Full RB


Date: 13 FEB 2017 10:14:56

Highest Channel / 1RB


Date: 13 FEB 2017 10:15:19

Highest Channel / Full RB


Date: 13 FEB 2017 10:15:39



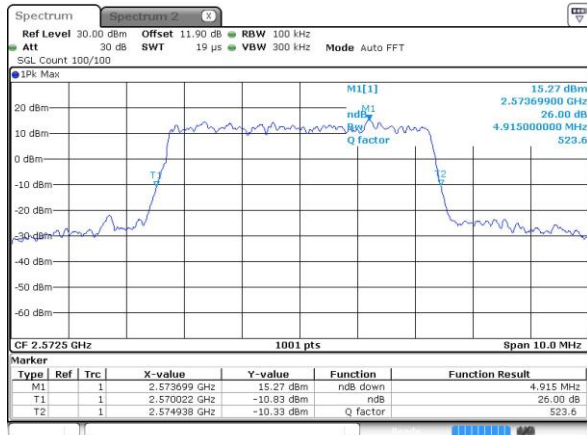
26dB Bandwidth

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	-	-	-	-	4.92	4.84	9.73	9.67	14.12	14.15	20.30	20.18
Middle CH	-	-	-	-	4.94	4.76	9.81	9.77	14.33	14.15	20.14	20.10
Highest CH	-	-	-	-	4.85	4.85	9.71	9.71	14.15	14.96	20.06	20.02



LTE Band 38

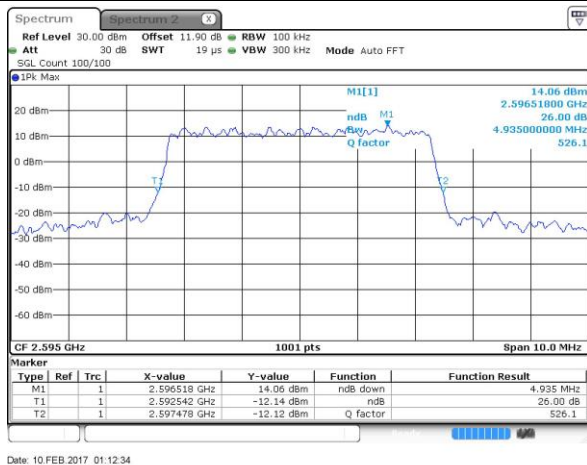
Lowest Channel / 5MHz / QPSK



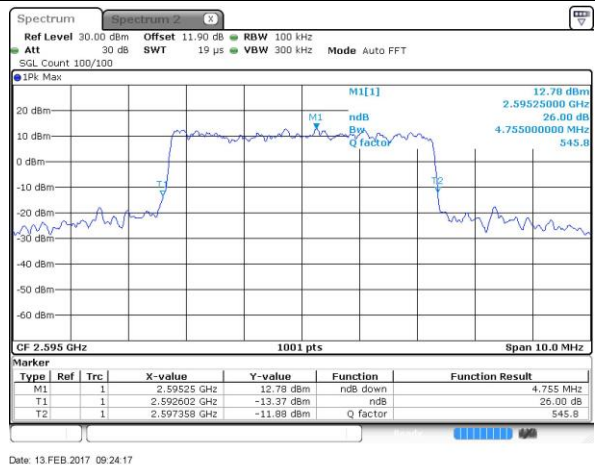
Lowest Channel / 5MHz / 16QAM



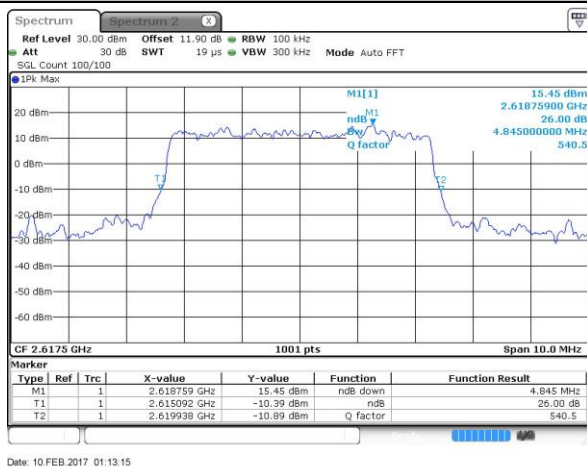
Middle Channel / 5MHz / QPSK



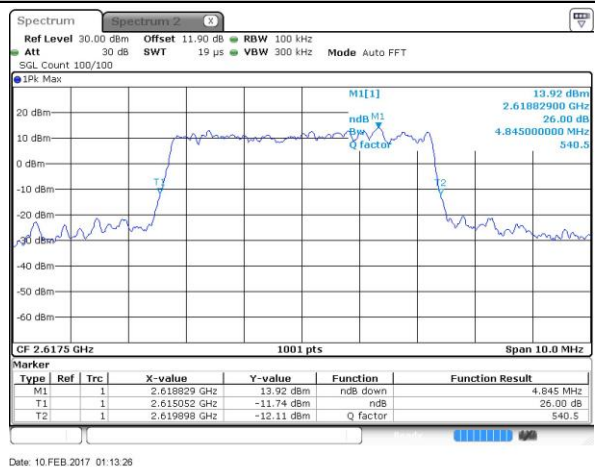
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



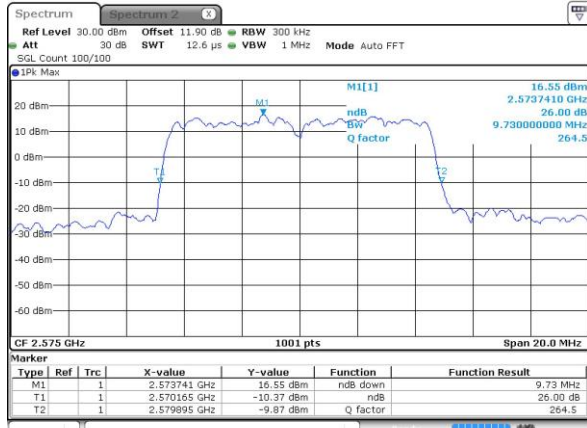
Highest Channel / 5MHz / 16QAM





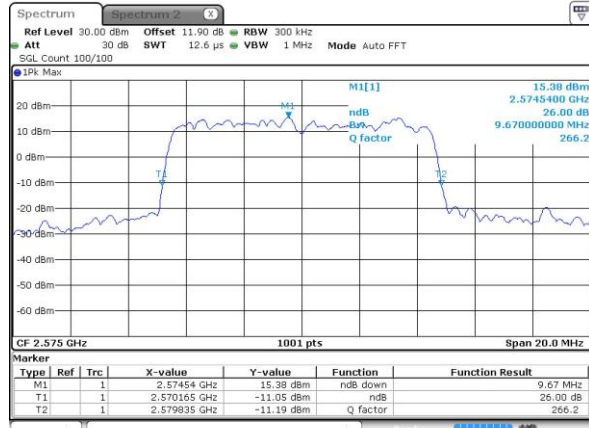
LTE Band 38

Lowest Channel / 10MHz / QPSK



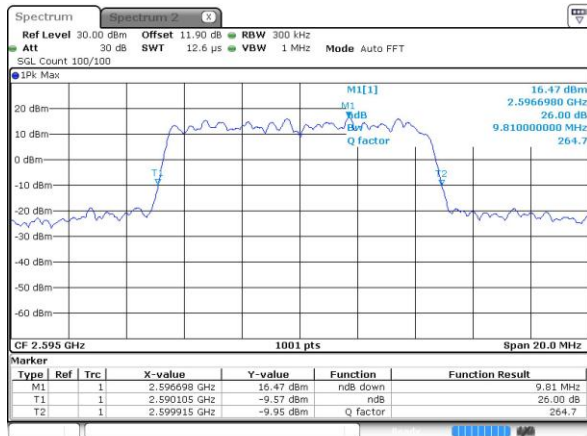
Date: 10 FEB 2017 01:13:57

Lowest Channel / 10MHz / 16QAM



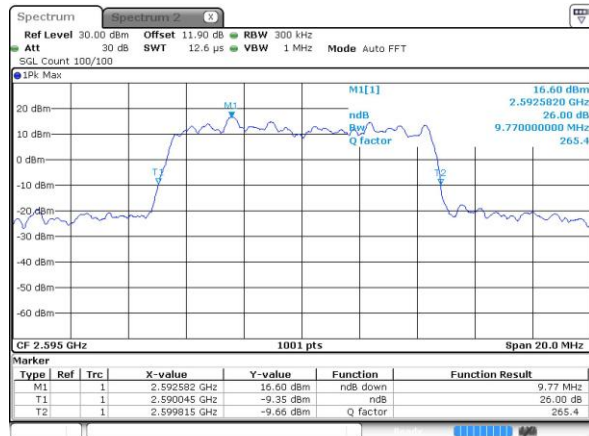
Date: 10 FEB 2017 01:14:07

Middle Channel / 10MHz / QPSK



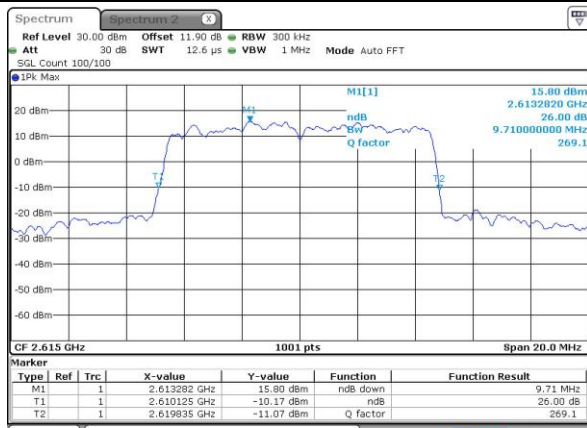
Date: 10 FEB 2017 01:14:38

Middle Channel / 10MHz / 16QAM



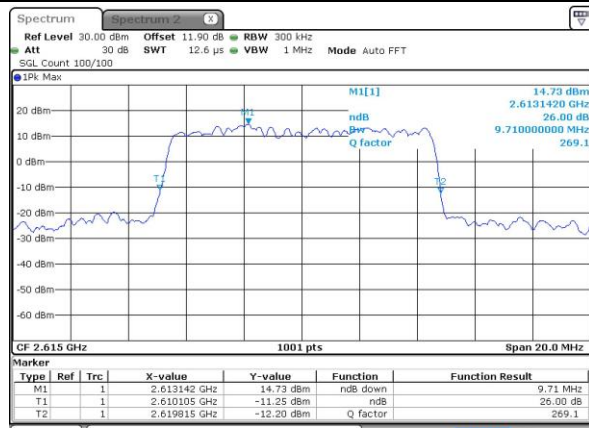
Date: 10 FEB 2017 01:14:49

Highest Channel / 10MHz / QPSK



Date: 10 FEB 2017 01:15:20

Highest Channel / 10MHz / 16QAM

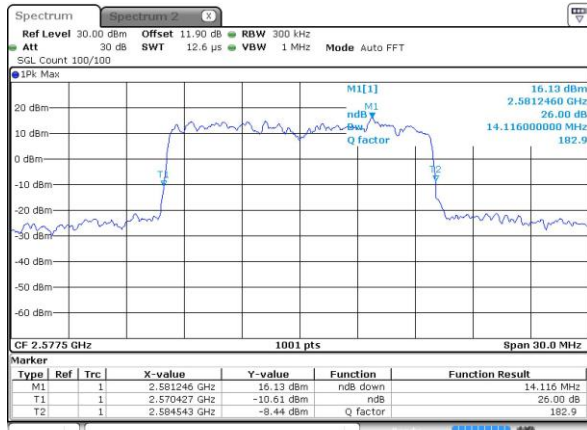


Date: 13 FEB 2017 09:25:55



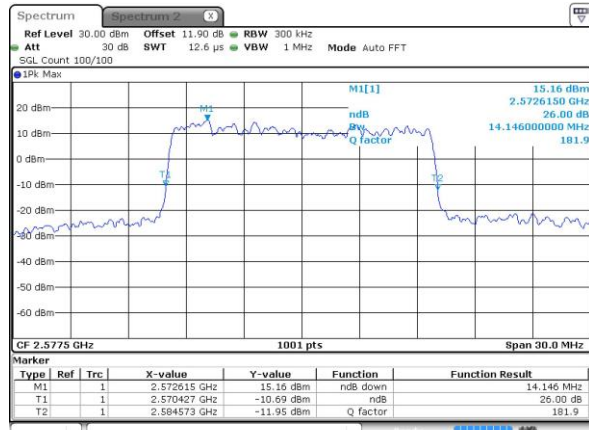
LTE Band 38

Lowest Channel / 15MHz / QPSK



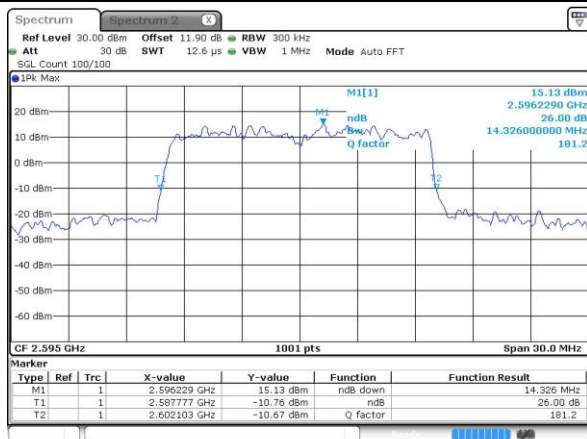
Date: 10 FEB 2017 01:16:01

Lowest Channel / 15MHz / 16QAM



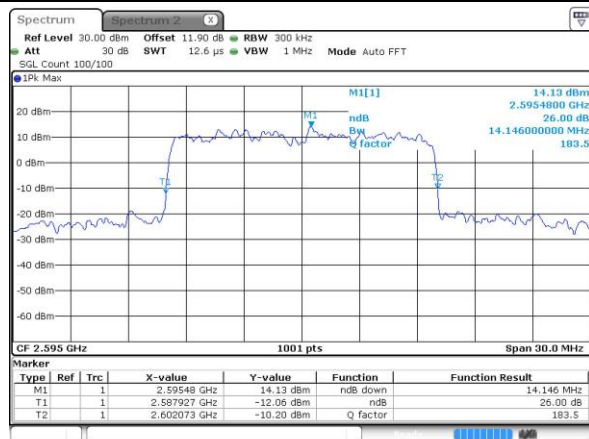
Date: 10 FEB 2017 01:16:12

Middle Channel / 15MHz / QPSK



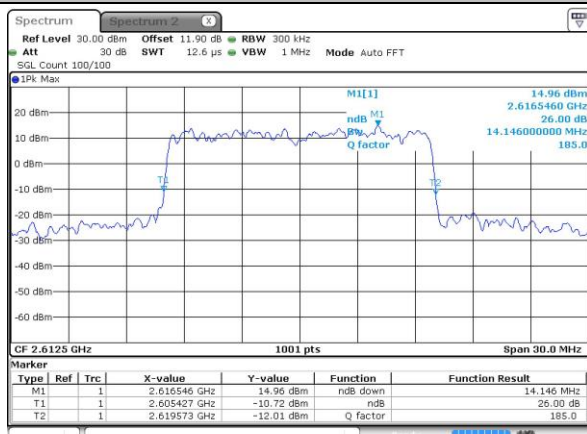
Date: 13 FEB 2017 09:28:12

Middle Channel / 15MHz / 16QAM



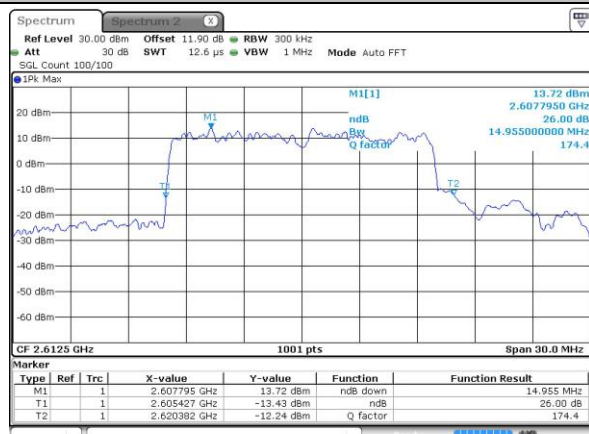
Date: 10 FEB 2017 01:16:53

Highest Channel / 15MHz / QPSK



Date: 10 FEB 2017 01:17:24

Highest Channel / 15MHz / 16QAM

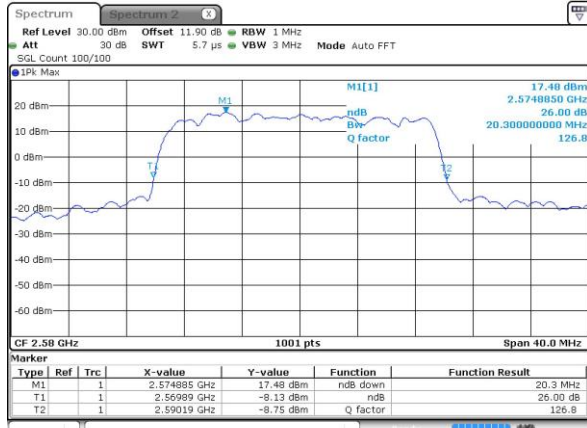


Date: 10 FEB 2017 01:17:35



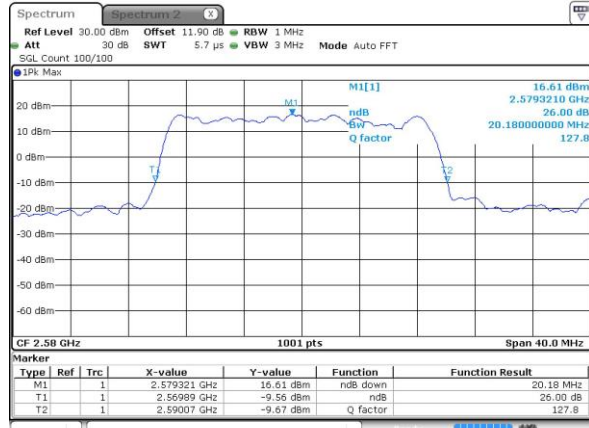
LTE Band 38

Lowest Channel / 20MHz / QPSK



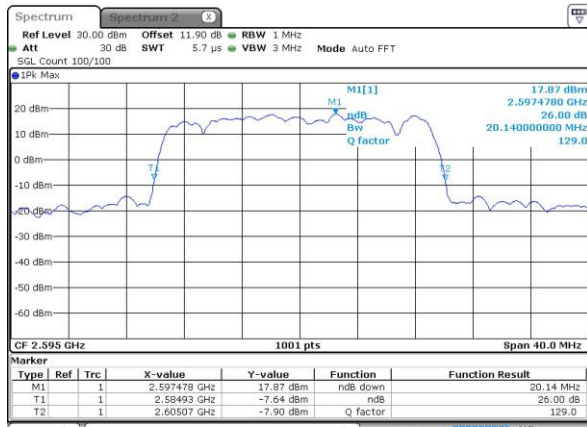
Date: 13 FEB 2017 09:26:53

Lowest Channel / 20MHz / 16QAM



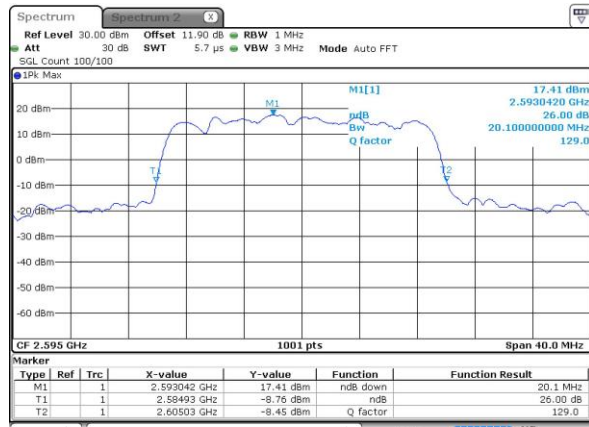
Date: 10 FEB 2017 01:18:16

Middle Channel / 20MHz / QPSK



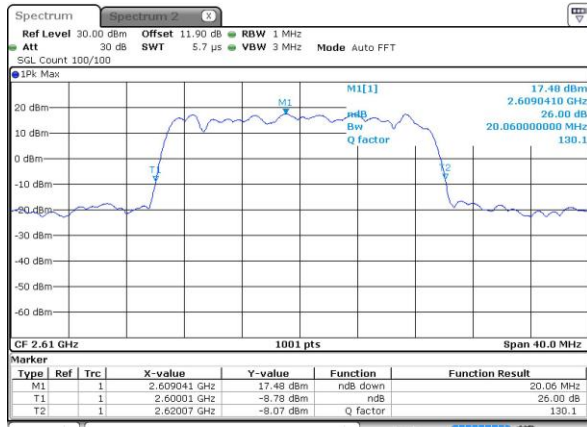
Date: 10 FEB 2017 01:18:47

Middle Channel / 20MHz / 16QAM



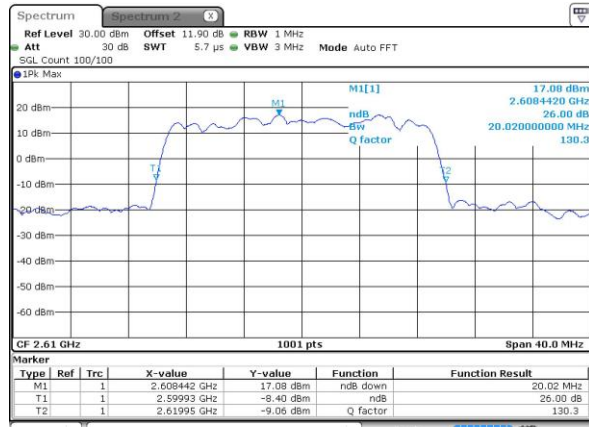
Date: 10 FEB 2017 01:18:57

Highest Channel / 20MHz / QPSK



Date: 10 FEB 2017 01:19:28

Highest Channel / 20MHz / 16QAM



Date: 10 FEB 2017 01:19:39



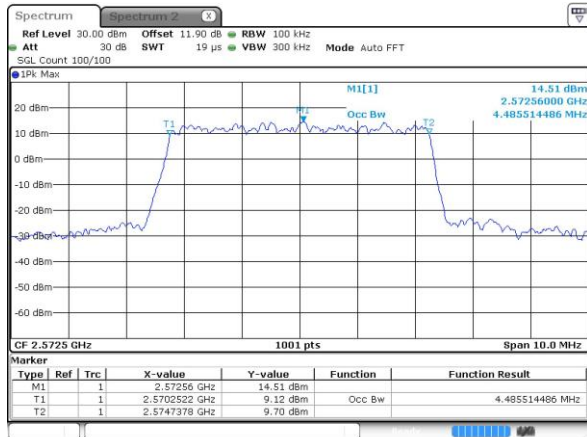
Occupied Bandwidth

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	-	-	-	-	4.49	4.49	8.99	8.97	13.43	13.43	18.22	18.26
Middle CH	-	-	-	-	4.47	4.5	9.03	8.97	13.49	13.52	18.3	18.42
Highest CH	-	-	-	-	4.51	4.49	9.05	9.01	13.49	13.4	18.42	18.14



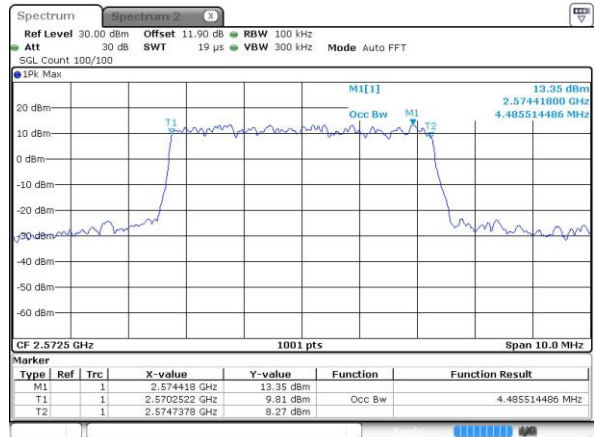
LTE Band 38

Lowest Channel / 5MHz / QPSK



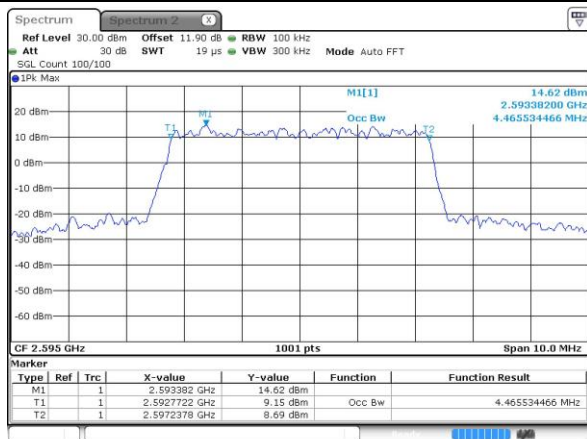
Date: 10 FEB 2017 01:11:32

Lowest Channel / 5MHz / 16QAM



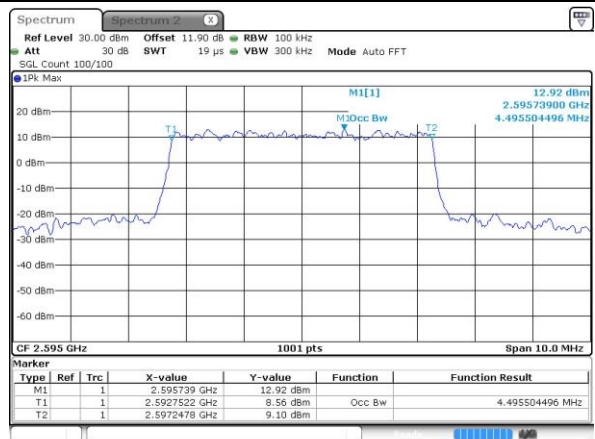
Date: 10 FEB 2017 01:11:42

Middle Channel / 5MHz / QPSK



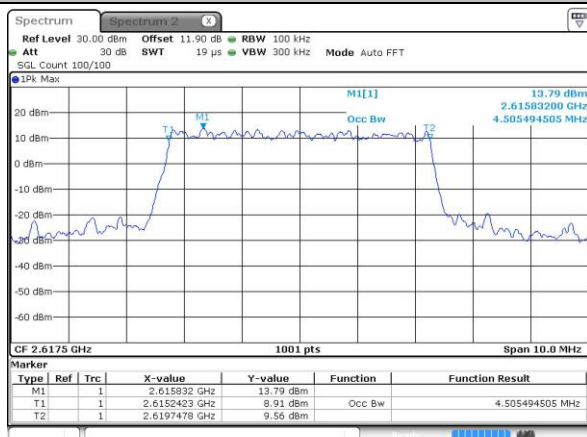
Date: 10 FEB 2017 01:12:13

Middle Channel / 5MHz / 16QAM



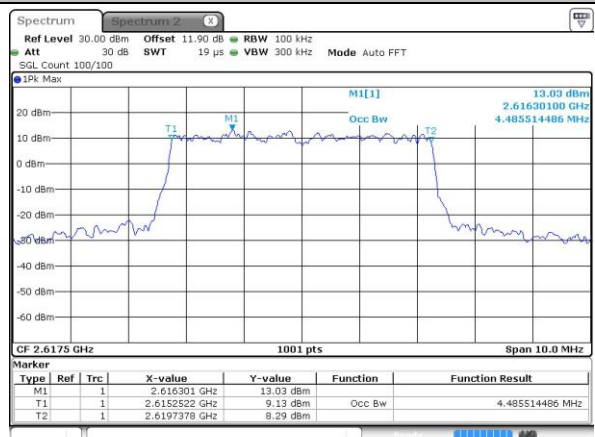
Date: 13 FEB 2017 08:24:50

Highest Channel / 5MHz / QPSK



Date: 10 FEB 2017 01:12:54

Highest Channel / 5MHz / 16QAM

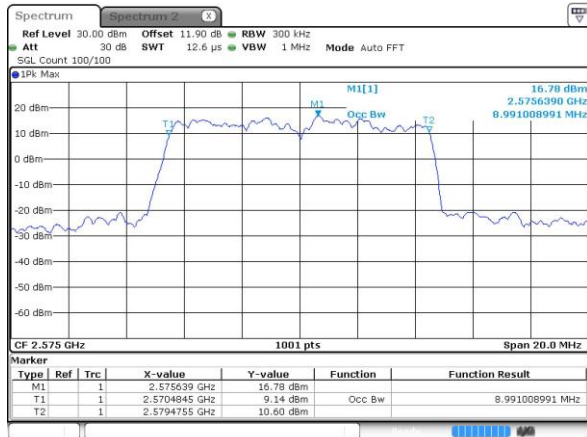


Date: 10 FEB 2017 01:13:05



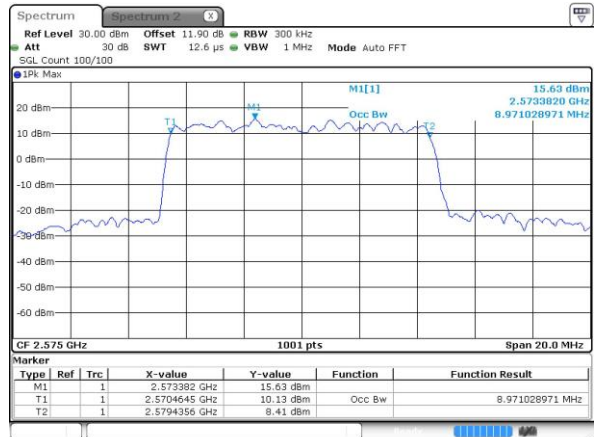
LTE Band 38

Lowest Channel / 10MHz / QPSK



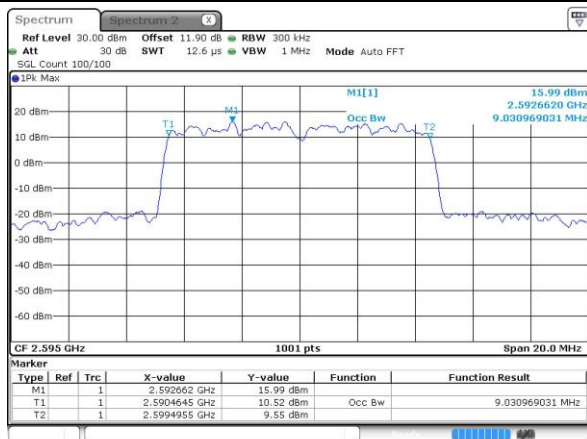
Date: 10 FEB 2017 01:13:36

Lowest Channel / 10MHz / 16QAM



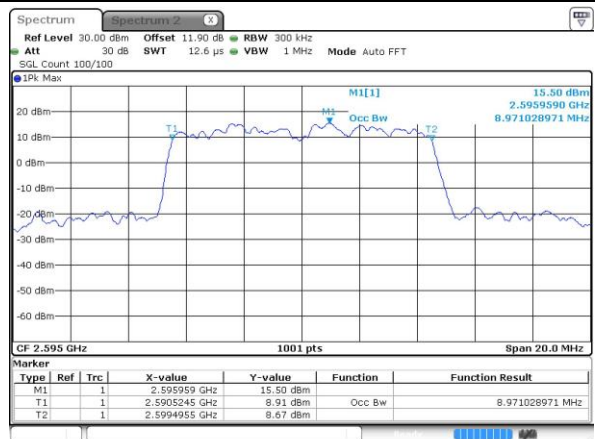
Date: 10 FEB 2017 01:13:46

Middle Channel / 10MHz / QPSK



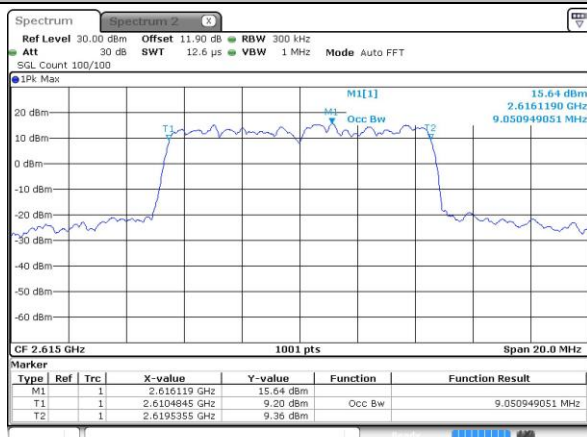
Date: 10 FEB 2017 01:14:17

Middle Channel / 10MHz / 16QAM



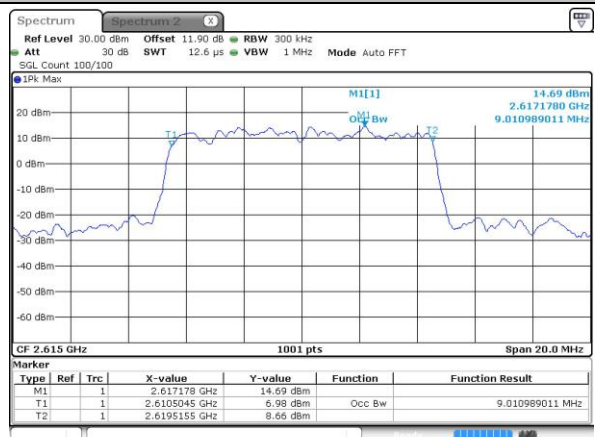
Date: 10 FEB 2017 01:14:28

Highest Channel / 10MHz / QPSK



Date: 13 FEB 2017 09:25:30

Highest Channel / 10MHz / 16QAM

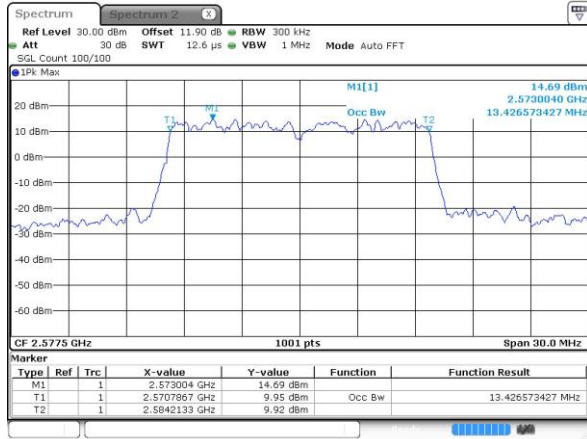


Date: 13 FEB 2017 09:25:13



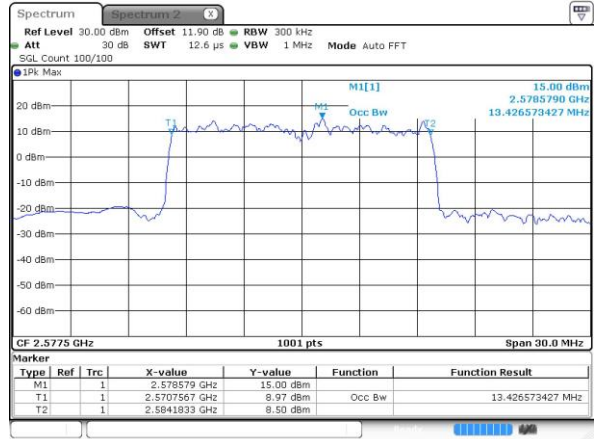
LTE Band 38

Lowest Channel / 15MHz / QPSK



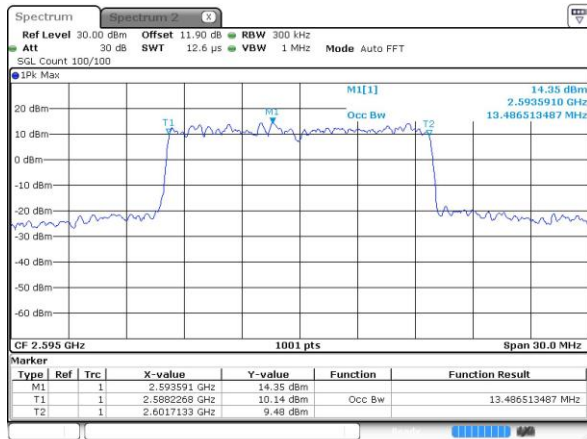
Date: 10 FEB 2017 01:15:40

Lowest Channel / 15MHz / 16QAM



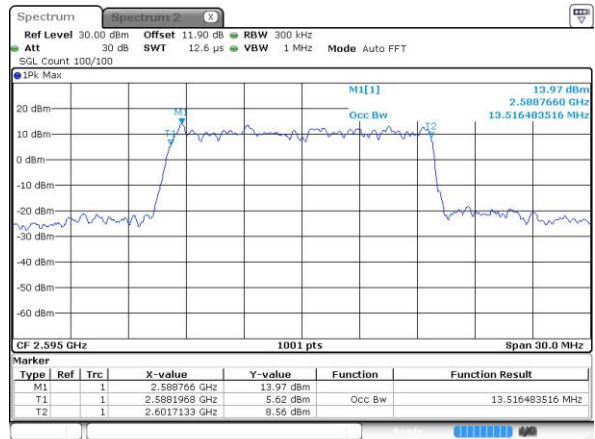
Date: 10 FEB 2017 01:15:51

Middle Channel / 15MHz / QPSK



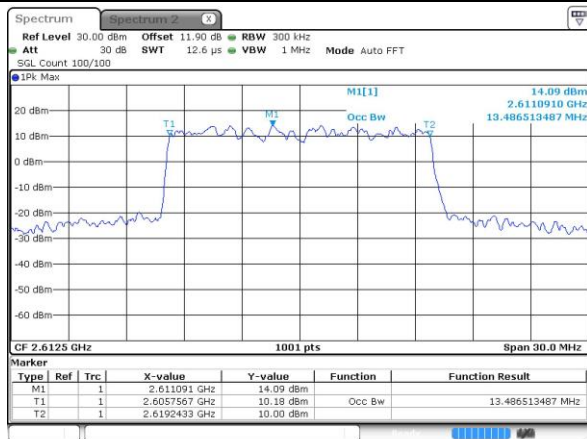
Date: 10 FEB 2017 01:16:22

Middle Channel / 15MHz / 16QAM



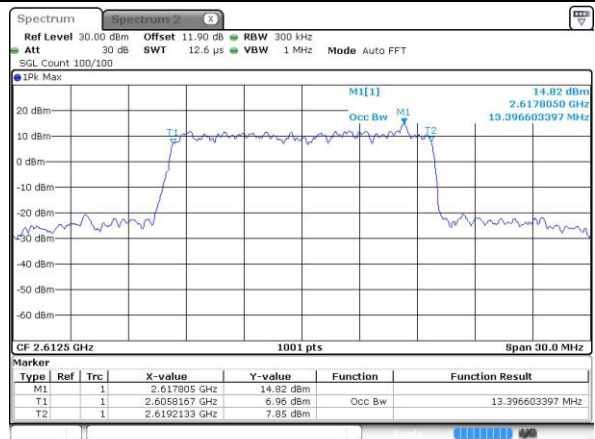
Date: 10 FEB 2017 01:16:32

Highest Channel / 15MHz / QPSK



Date: 10 FEB 2017 01:17:03

Highest Channel / 15MHz / 16QAM

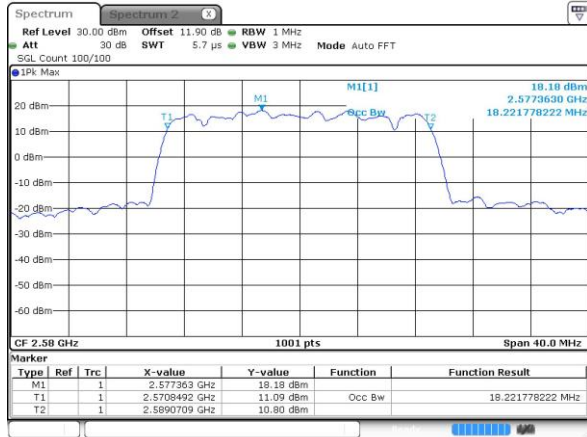


Date: 13 FEB 2017 09:27:54



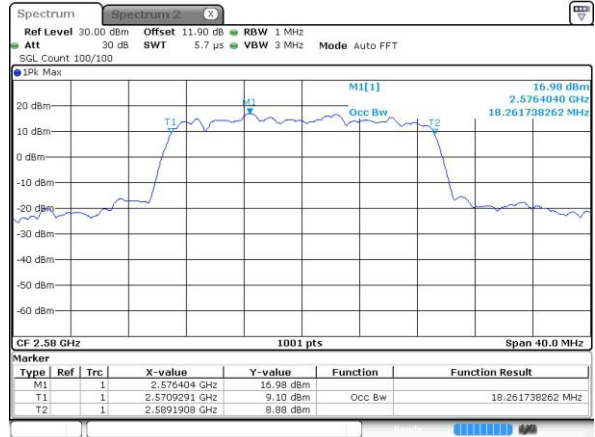
LTE Band 38

Lowest Channel / 20MHz / QPSK



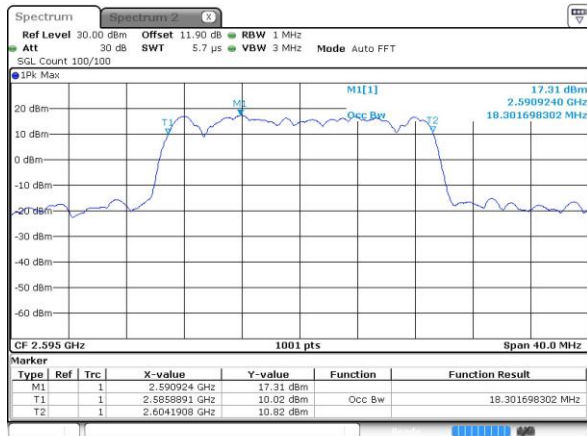
Date: 10 FEB 2017 01:17:45

Lowest Channel / 20MHz / 16QAM



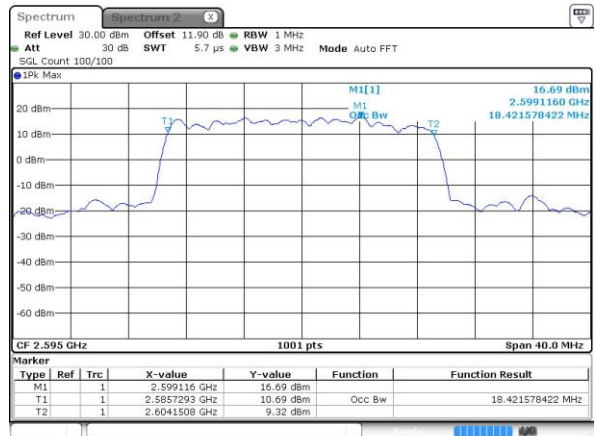
Date: 13 FEB 2017 09:28:36

Middle Channel / 20MHz / QPSK



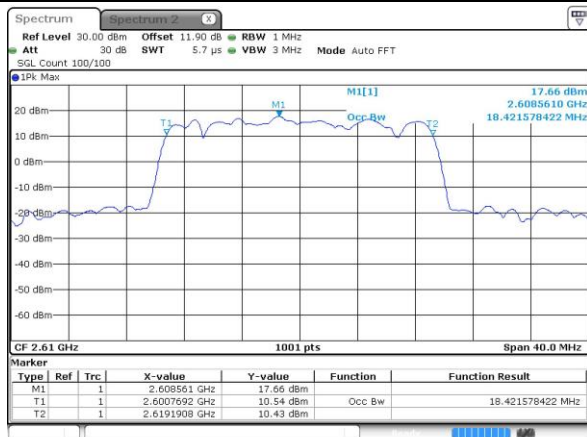
Date: 10 FEB 2017 01:18:26

Middle Channel / 20MHz / 16QAM



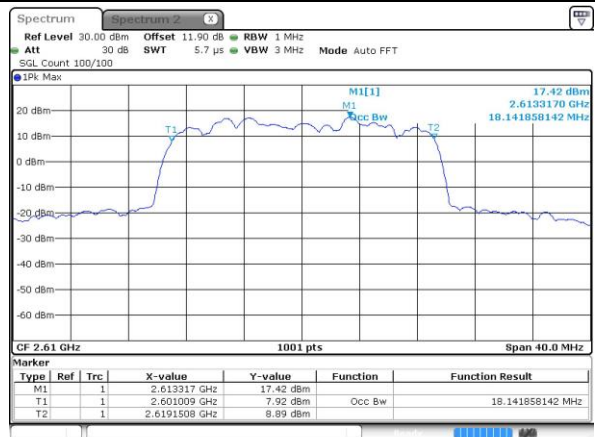
Date: 10 FEB 2017 01:18:37

Highest Channel / 20MHz / QPSK

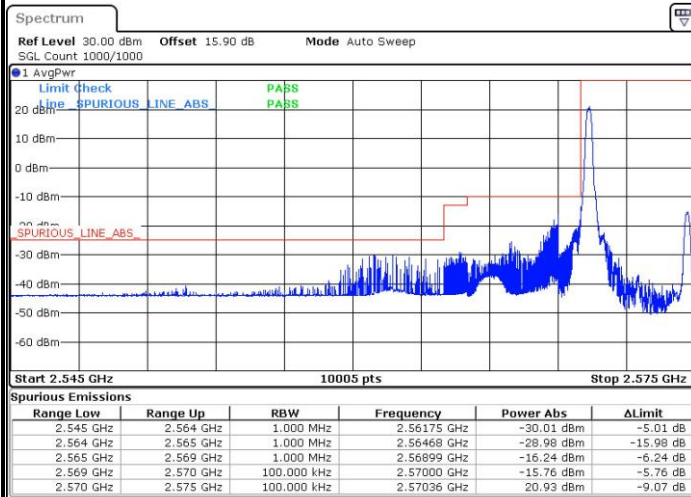
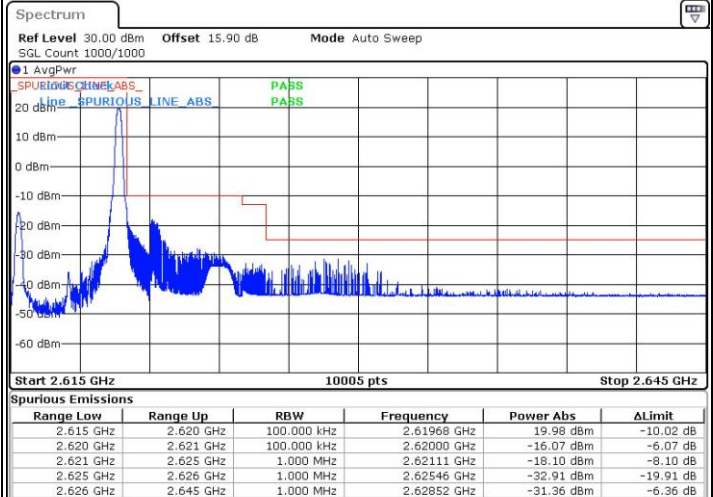
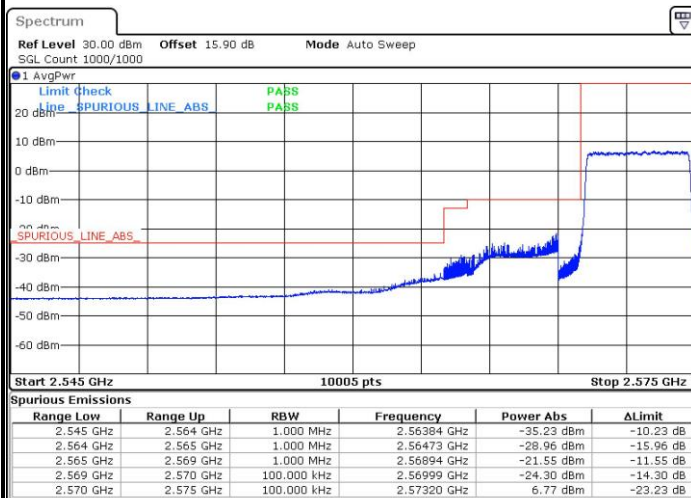
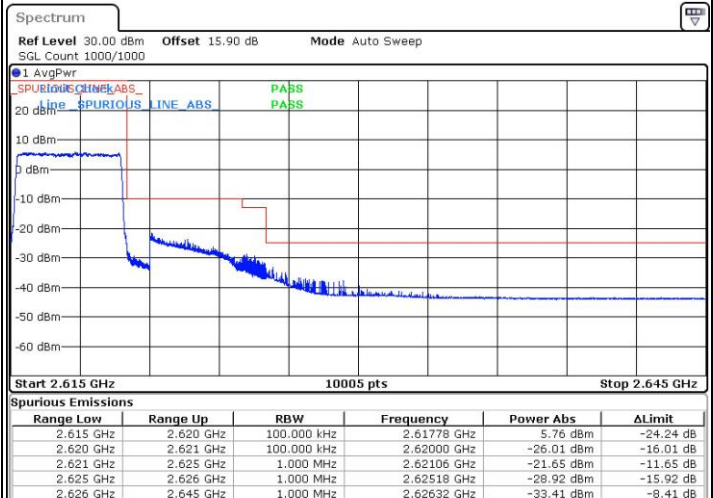


Date: 10 FEB 2017 01:19:08

Highest Channel / 20MHz / 16QAM



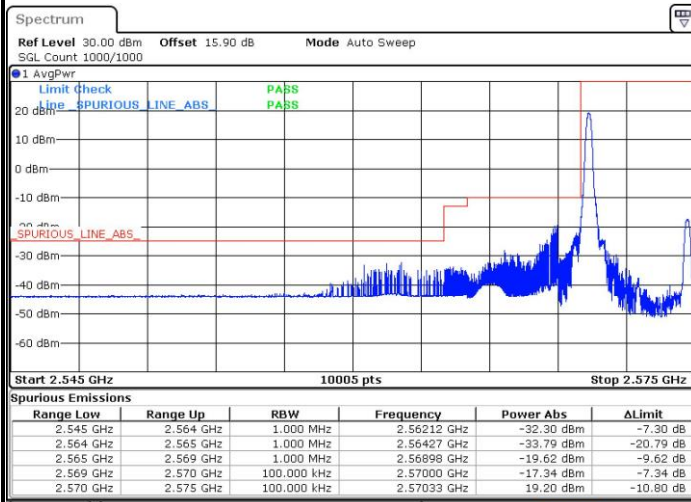
Date: 13 FEB 2017 09:28:16

**Conducted Band Edge****LTE Band 38 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



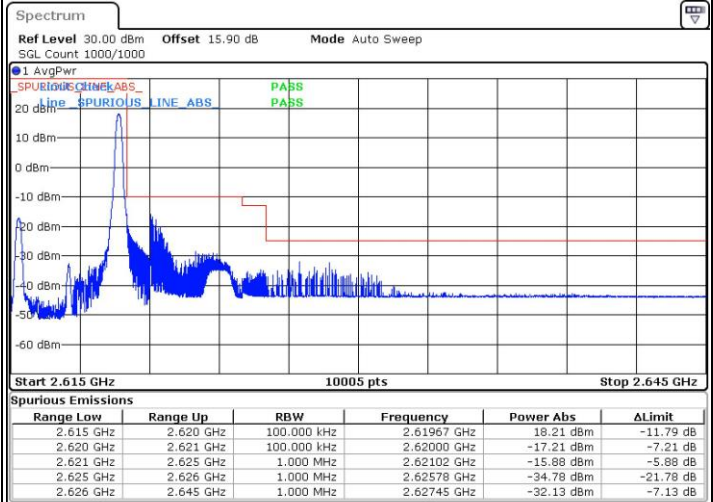
LTE Band 38 / 5MHz / 16QAM

Lowest Band Edge / 1RB



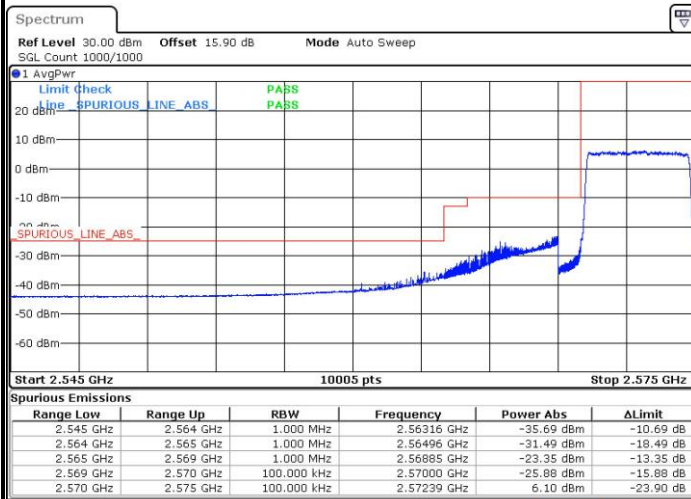
Date: 10.FEB.2017 22:21:47

Highest Band Edge / 1 RB



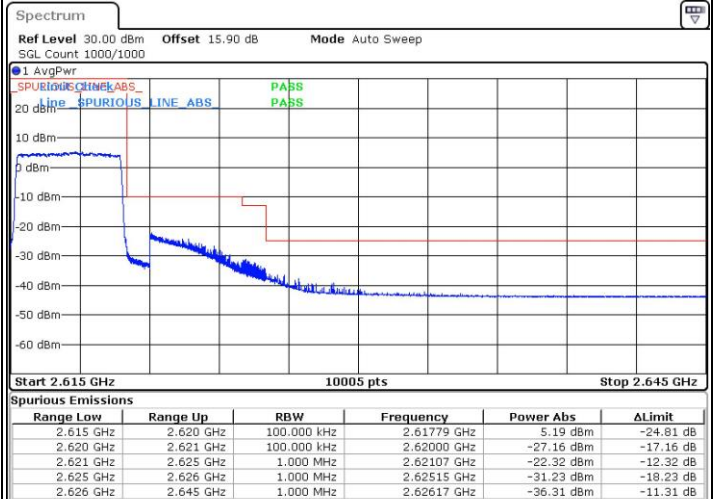
Date: 10.FEB.2017 22:29:18

Lowest Band Edge / Full RB



Date: 10.FEB.2017 22:23:02

Highest Band Edge / Full RB



Date: 10.FEB.2017 22:28:14