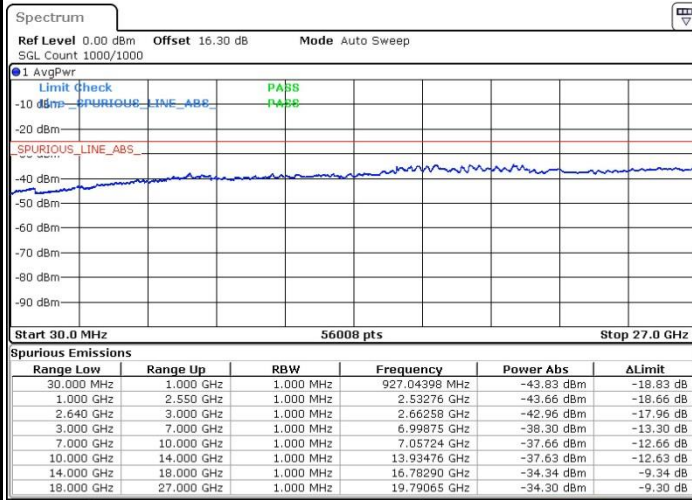




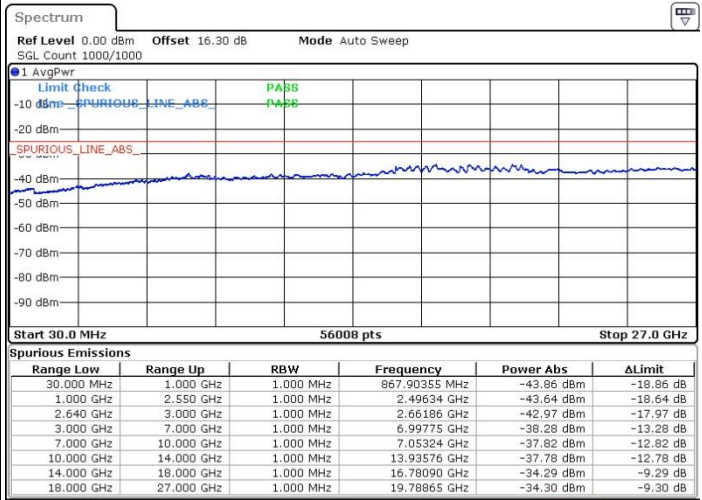
LTE Band 38 / 5MHz

Lowest Channel / QPSK



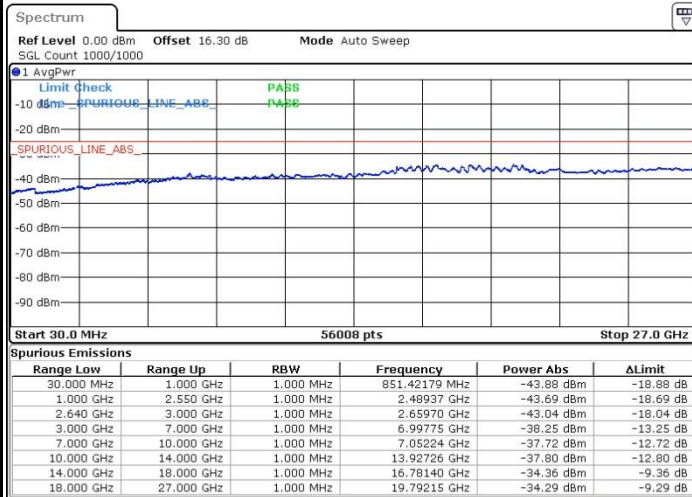
Date: 20 JUN 2016 18:43:04

Lowest Channel / 16QAM



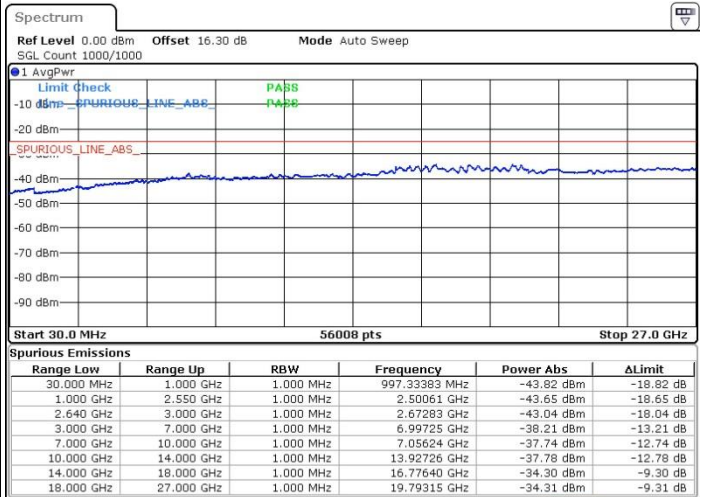
Date: 20 JUN 2016 18:51:41

Middle Channel / QPSK



Date: 20 JUN 2016 19:12:38

Middle Channel / 16QAM

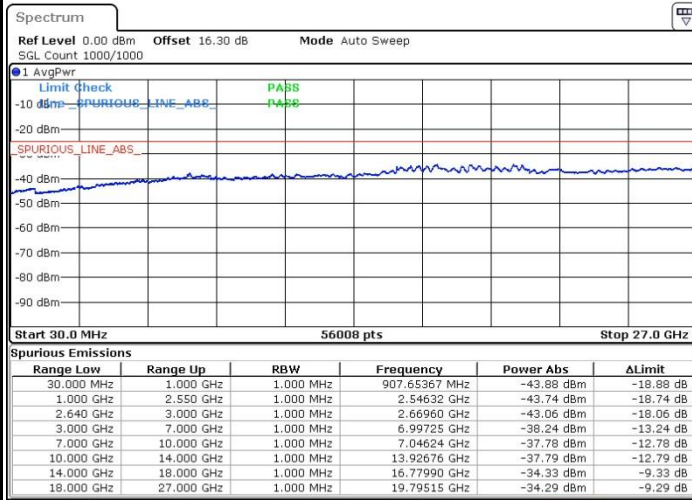


Date: 20 JUN 2016 19:03:57



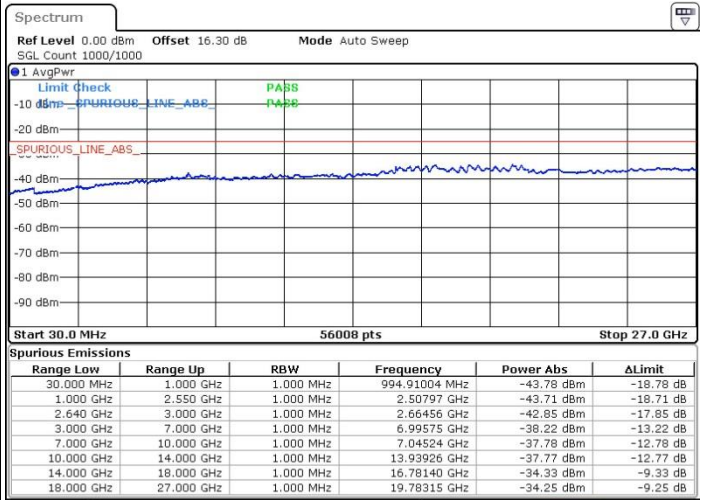
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 20 JUN 2016 19:21:42

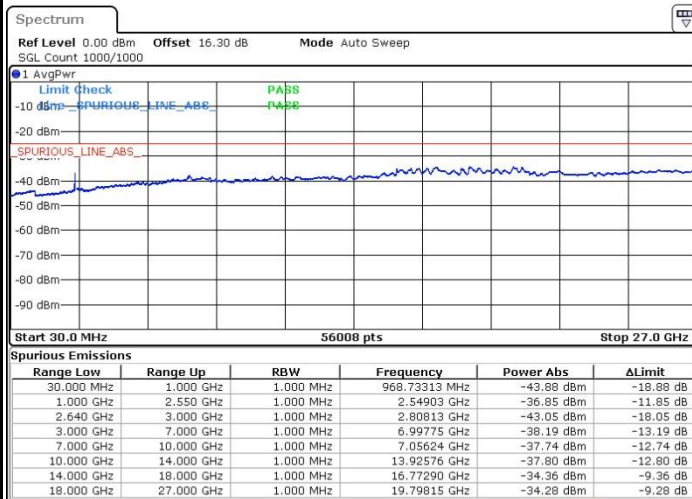
Highest Channel / 16QAM



Date: 20 JUN 2016 19:31:16

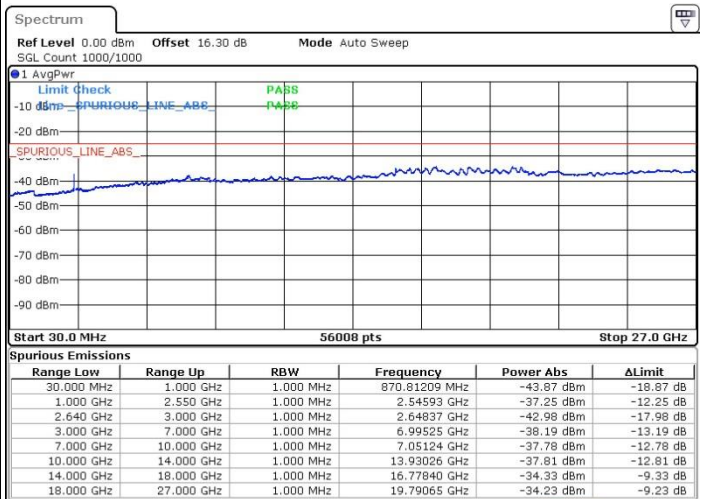
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 20 JUN 2016 20:18:13

Lowest Channel / 16QAM

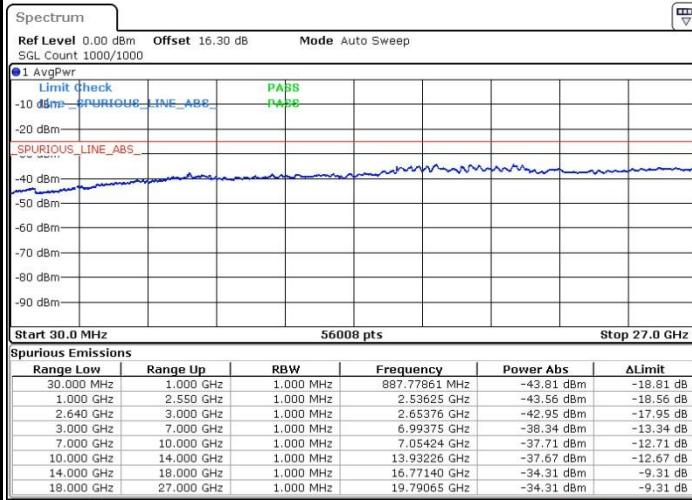


Date: 20 JUN 2016 20:10:26



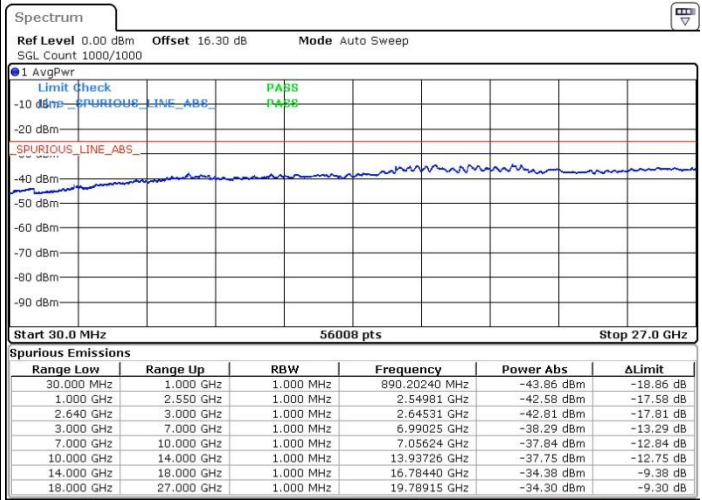
LTE Band 38 / 10MHz

Middle Channel / QPSK



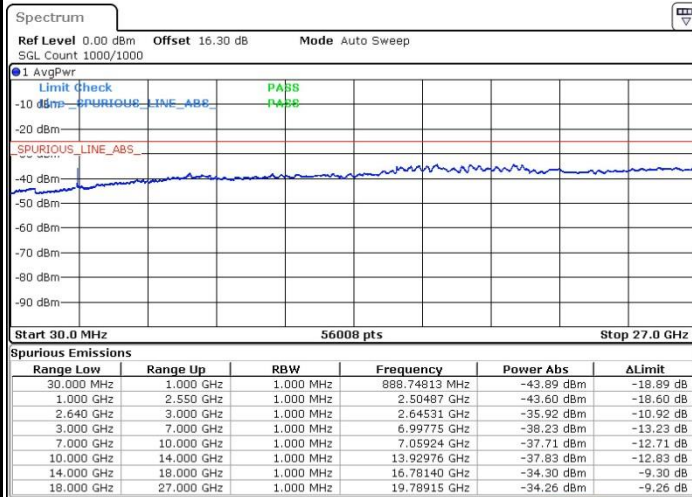
Date: 20 JUN 2016 20:24:34

Middle Channel / 16QAM



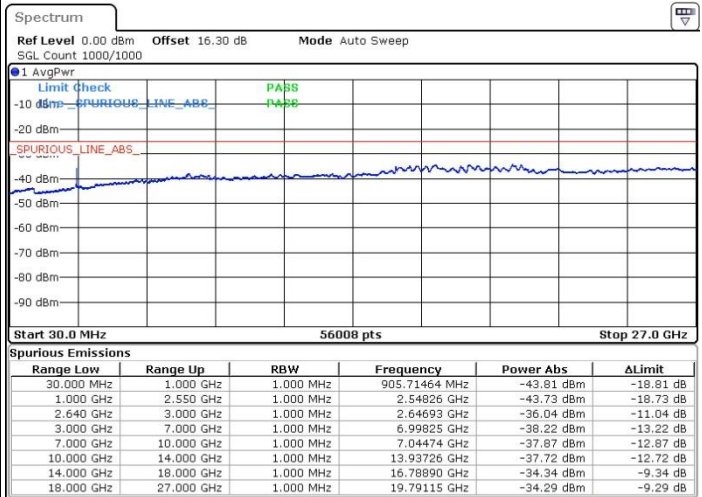
Date: 20 JUN 2016 20:31:38

Highest Channel / QPSK



Date: 20 JUN 2016 20:45:29

Highest Channel / 16QAM

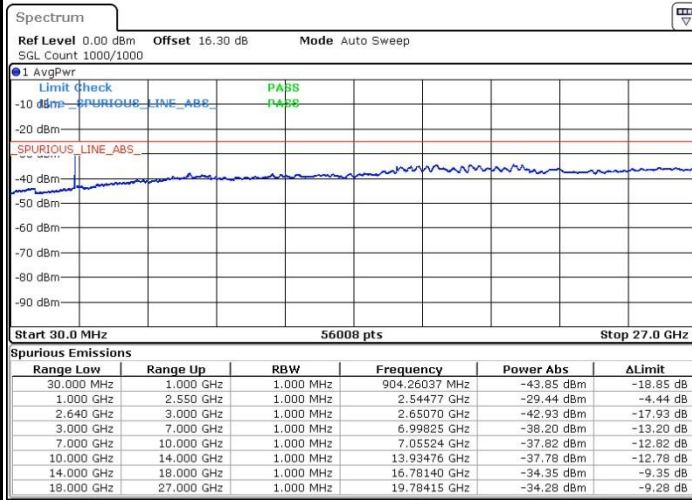


Date: 20 JUN 2016 20:38:53



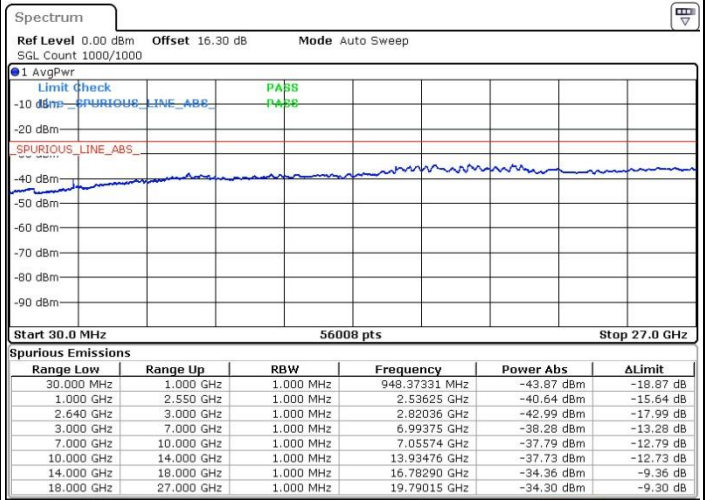
LTE Band 38 / 15MHz

Lowest Channel / QPSK



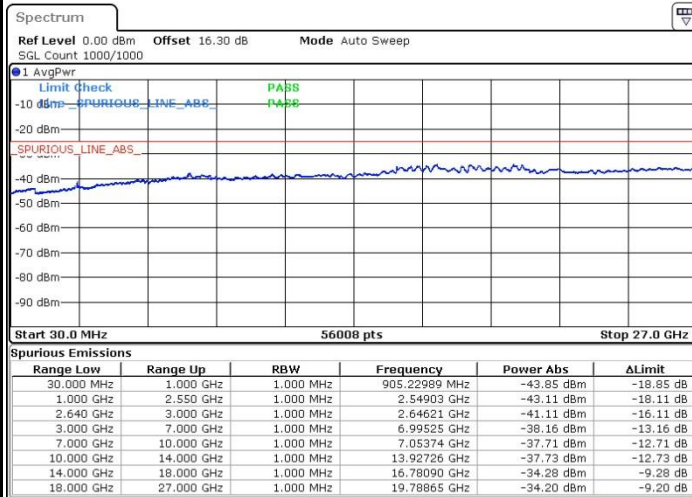
Date: 20 JUN 2016 20:53:11

Lowest Channel / 16QAM



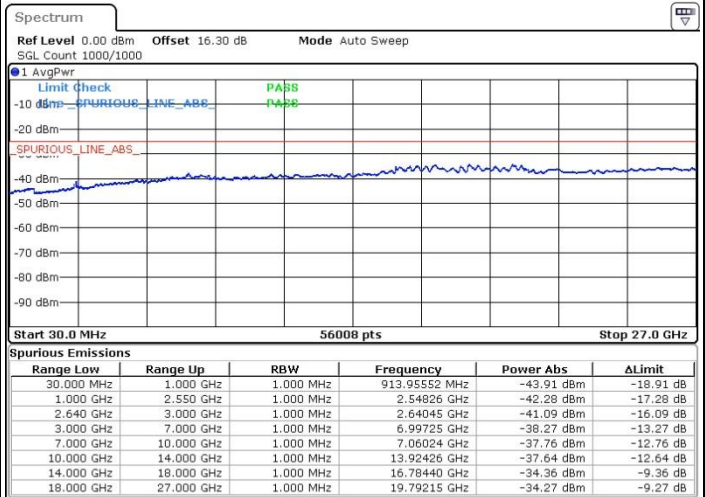
Date: 20 JUN 2016 21:03:32

Middle Channel / QPSK



Date: 20 JUN 2016 21:26:43

Middle Channel / 16QAM

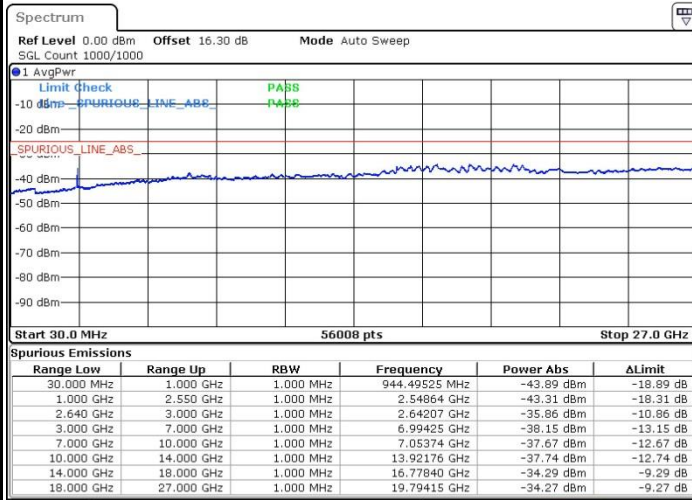


Date: 20 JUN 2016 21:19:38



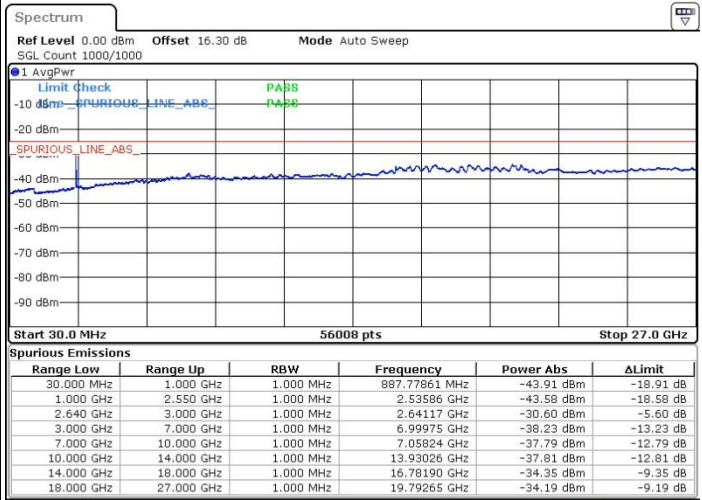
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 20 JUN 2016 21:44:01

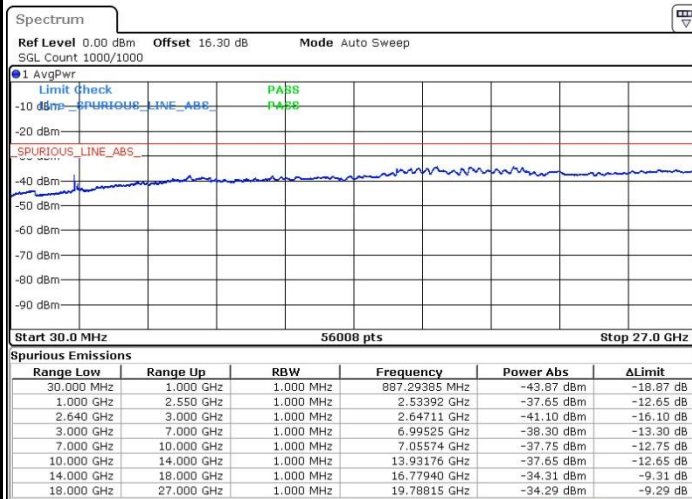
Highest Channel / 16QAM



Date: 20 JUN 2016 21:50:29

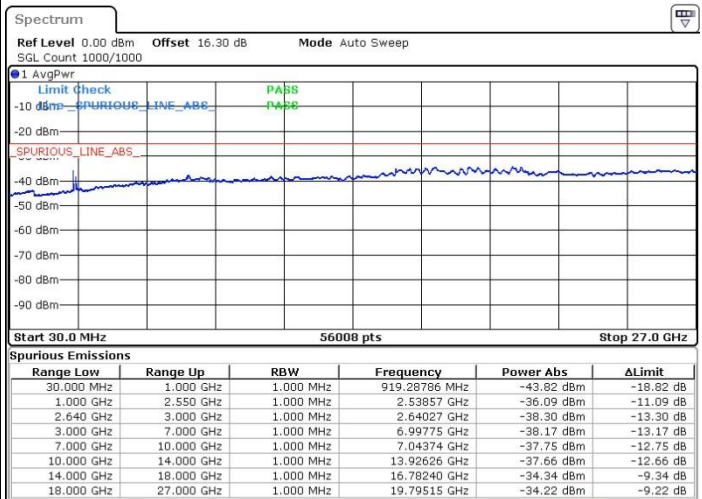
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 20 JUN 2016 22:34:11

Lowest Channel / 16QAM

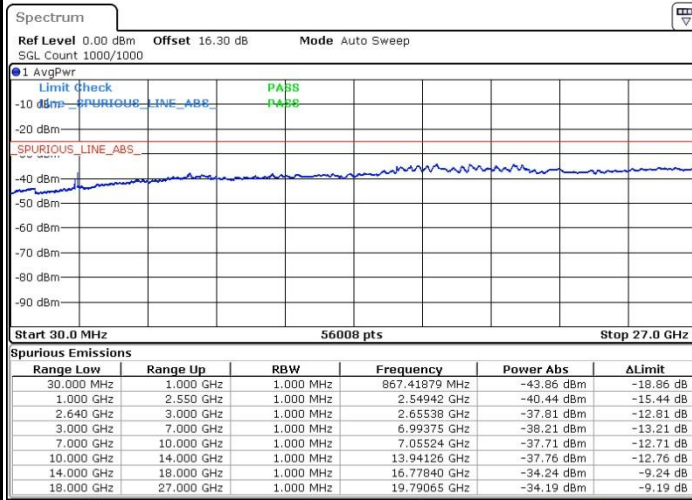


Date: 20 JUN 2016 22:08:06



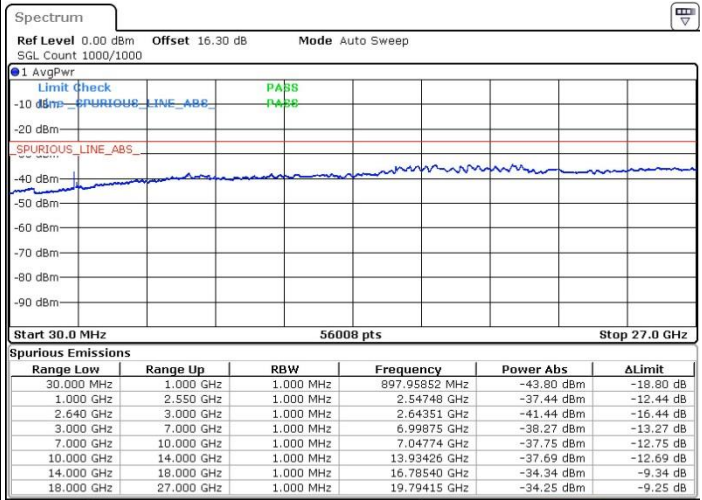
LTE Band 38 / 20MHz

Middle Channel / QPSK



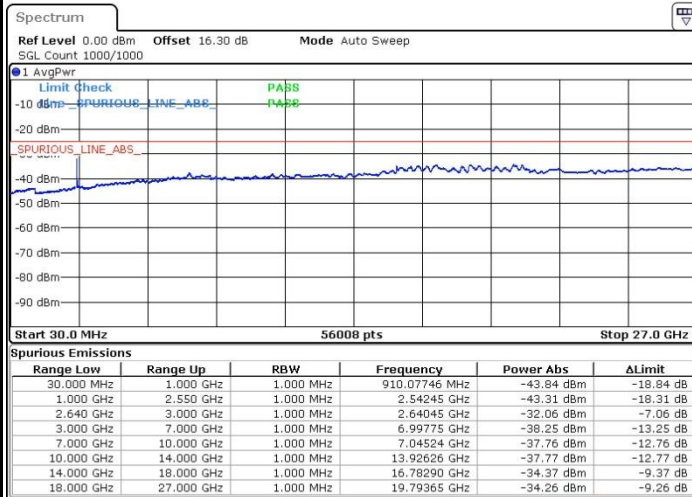
Date: 20 JUN 2016 22:41:35

Middle Channel / 16QAM



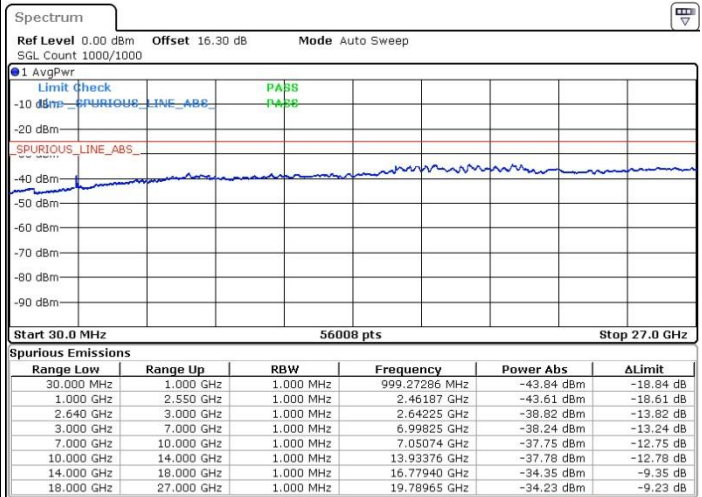
Date: 20 JUN 2016 22:51:56

Highest Channel / QPSK



Date: 20 JUN 2016 23:05:41

Highest Channel / 16QAM



Date: 20 JUN 2016 22:59:04

Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0116	PASS
40	Normal Voltage	0.0114	
30	Normal Voltage	0.0107	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0109	
-10	Normal Voltage	0.0106	
-20	Normal Voltage	0.0115	
-30	Normal Voltage	0.0111	
20	Maximum Voltage	0.0115	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0109	

Note:

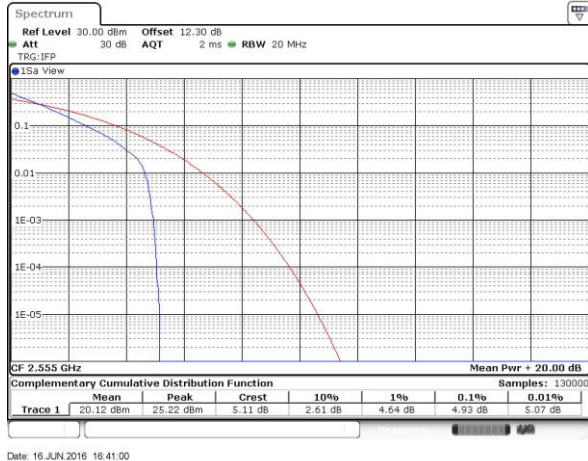
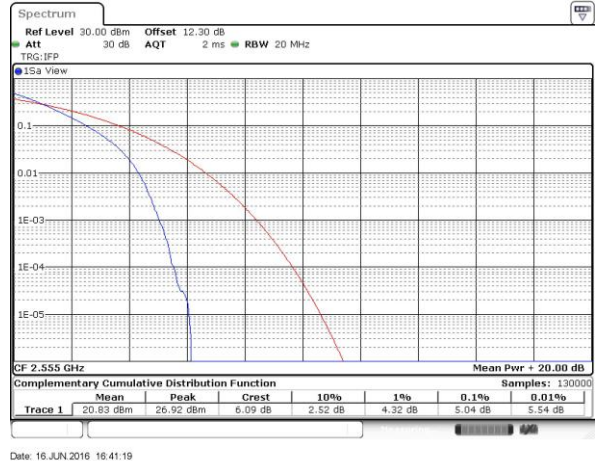
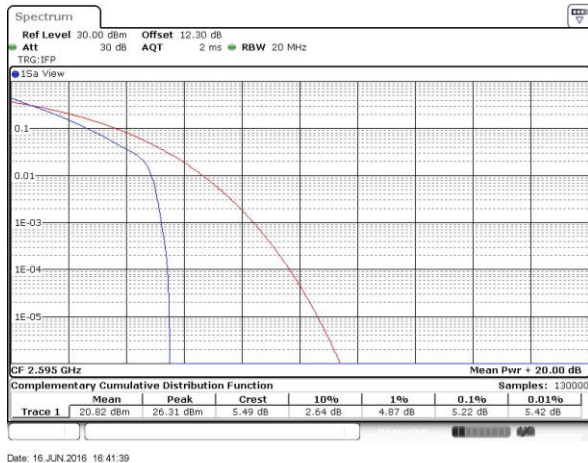
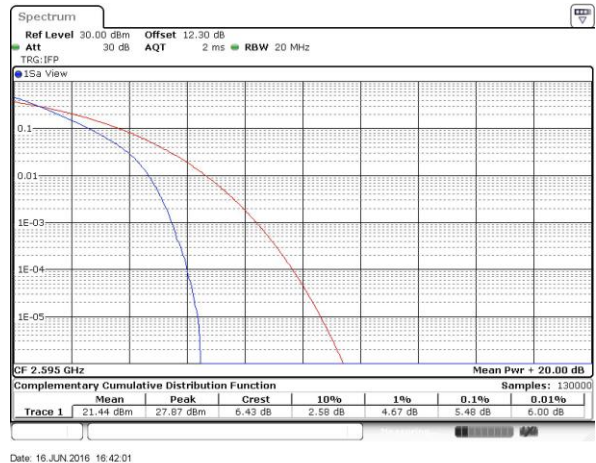
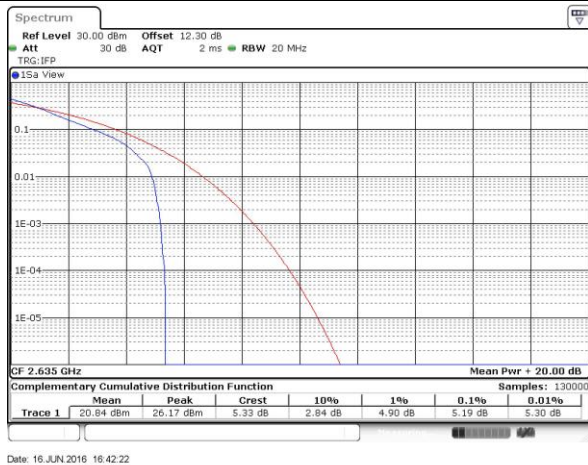
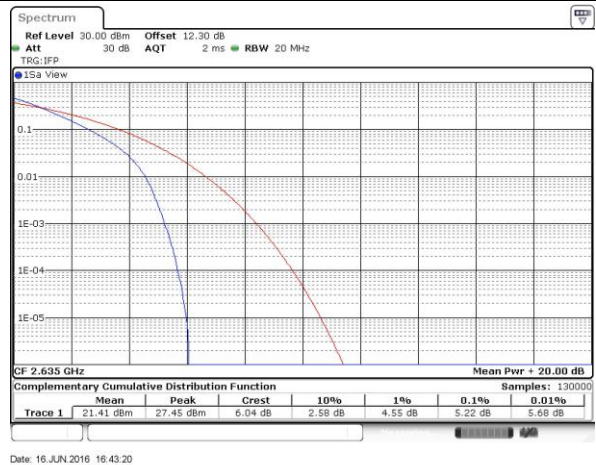
1. Normal Voltage = 3.9 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



LTE Band 41

Peak-to-Average Ratio

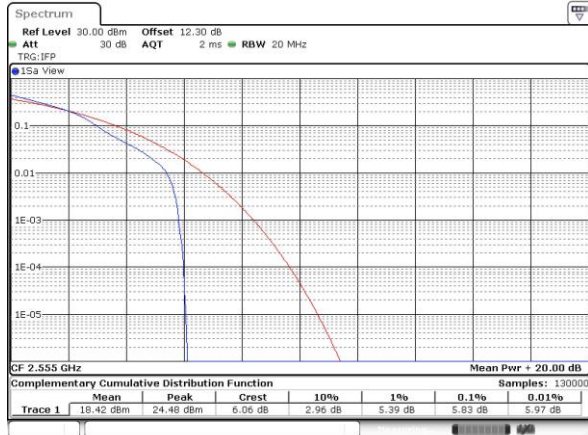
Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.93	5.04	5.83	6.03	PASS
Middle CH	5.22	5.48	6.29	6.43	
Highest CH	5.19	5.22	6.29	6.26	

LTE Band 41 / 20MHz / QPSK
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


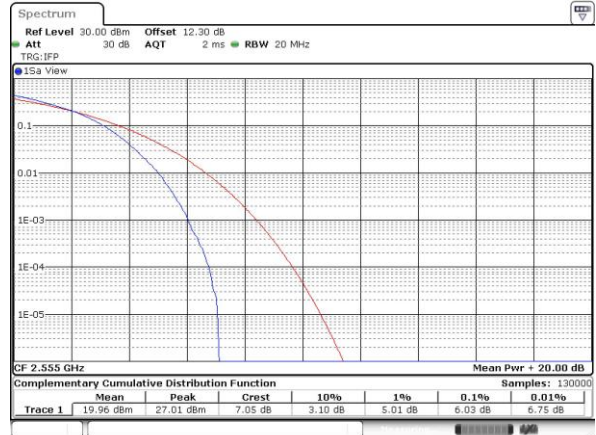


LTE Band 41 / 20MHz / 16QAM

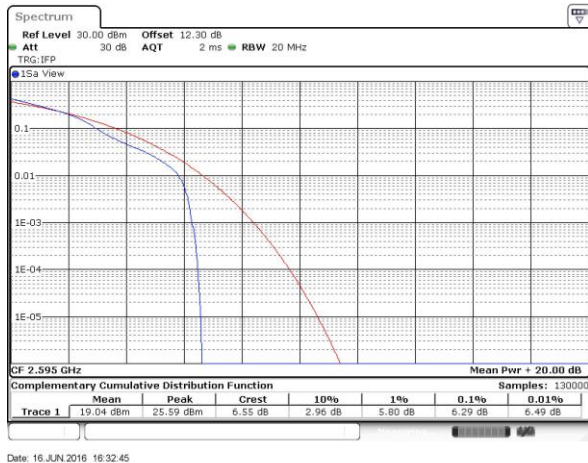
Lowest Channel / 1RB



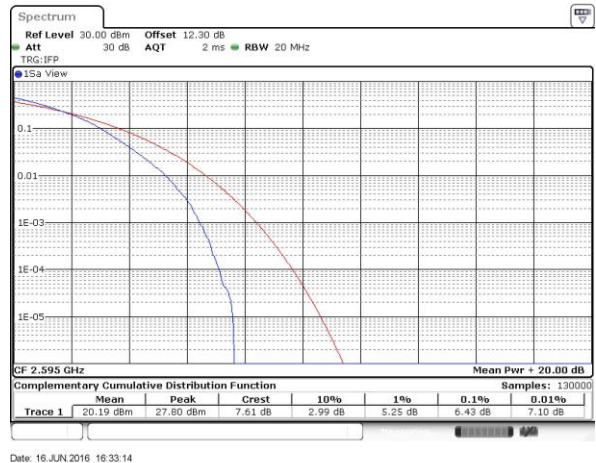
Lowest Channel / Full RB



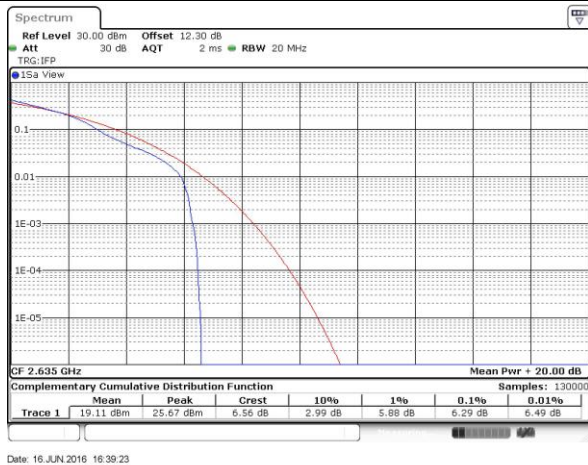
Middle Channel / 1RB



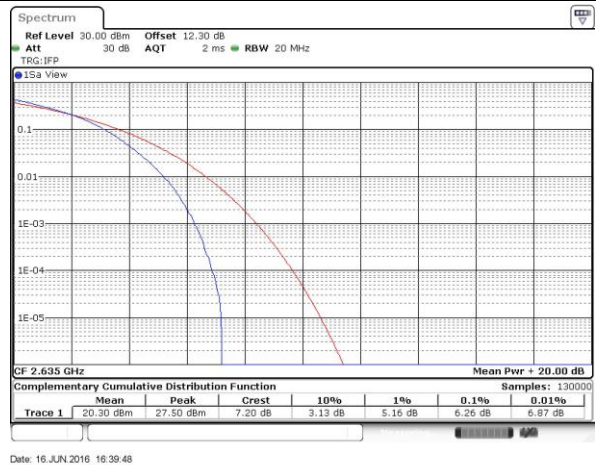
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



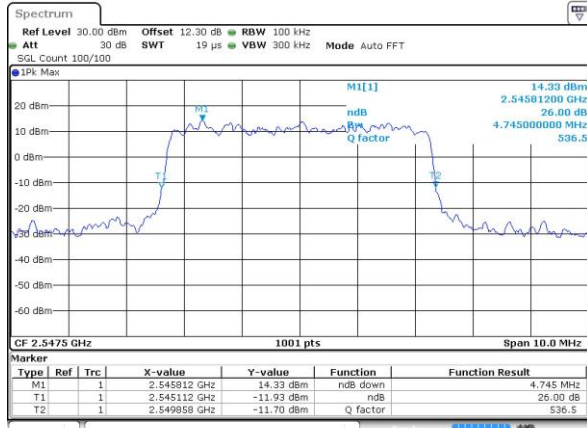
**26dB Bandwidth**

Mode	LTE Band 41 : 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	-	-	-	-	4.75	4.84	9.91	9.75	14.18	14.27	20.10	20.18
Middle CH	-	-	-	-	4.82	4.98	9.73	9.73	14.09	14.15	20.18	20.02
Highest CH	-	-	-	-	4.74	4.79	9.57	9.81	14.18	14.21	19.94	20.10



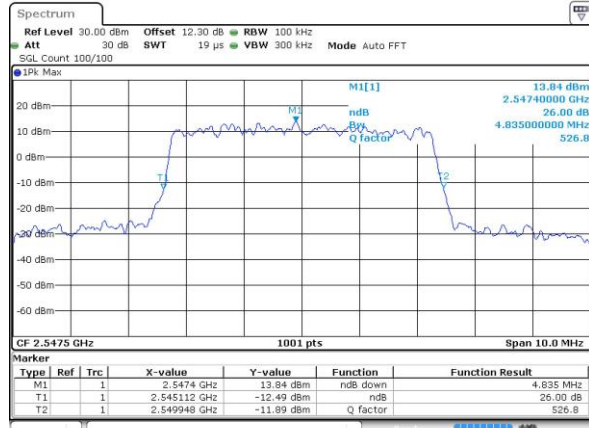
LTE Band 41

Lowest Channel / 5MHz / QPSK



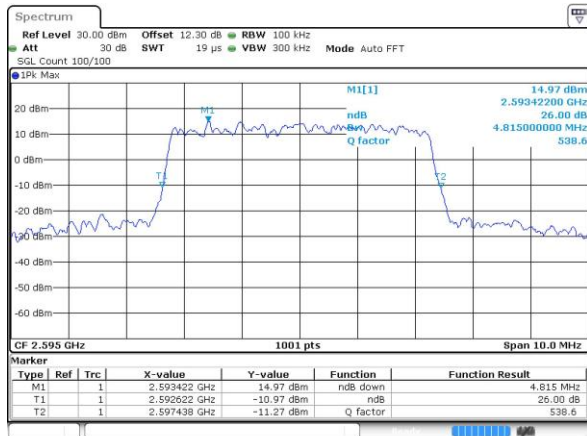
Date: 20 JUN 2016 18:22:35

Lowest Channel / 5MHz / 16QAM



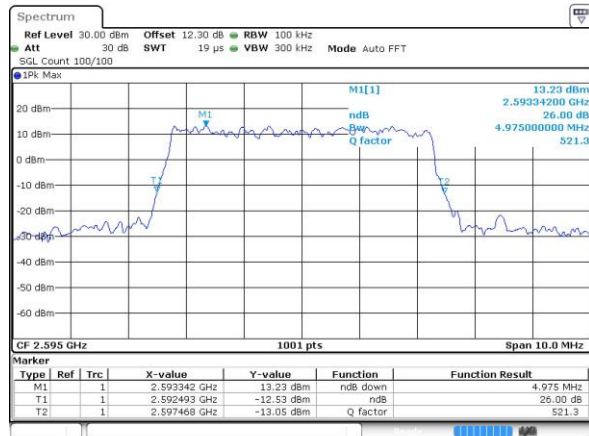
Date: 20 JUN 2016 18:22:46

Middle Channel / 5MHz / QPSK



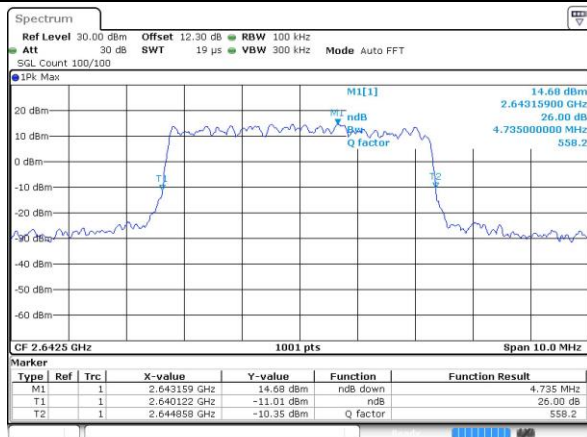
Date: 20 JUN 2016 18:23:17

Middle Channel / 5MHz / 16QAM



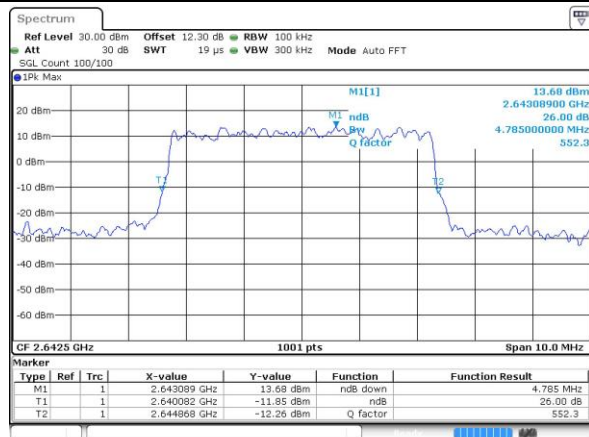
Date: 20 JUN 2016 18:23:28

Highest Channel / 5MHz / QPSK



Date: 20 JUN 2016 18:24:00

Highest Channel / 5MHz / 16QAM

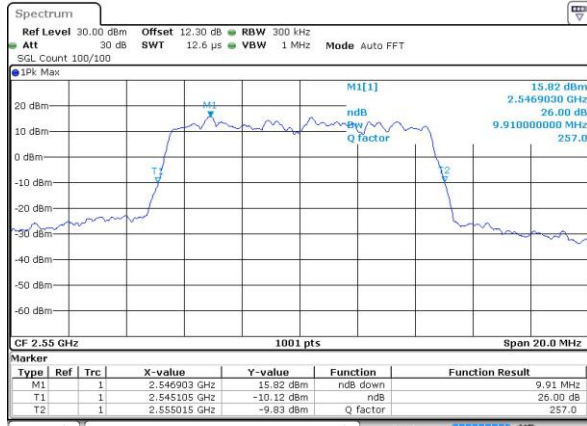


Date: 20 JUN 2016 18:24:10



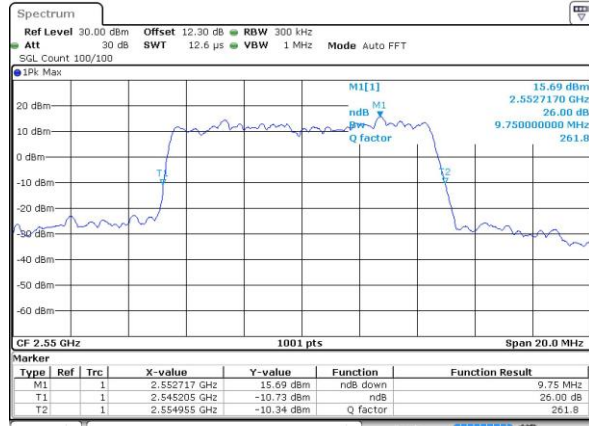
LTE Band 41

Lowest Channel / 10MHz / QPSK



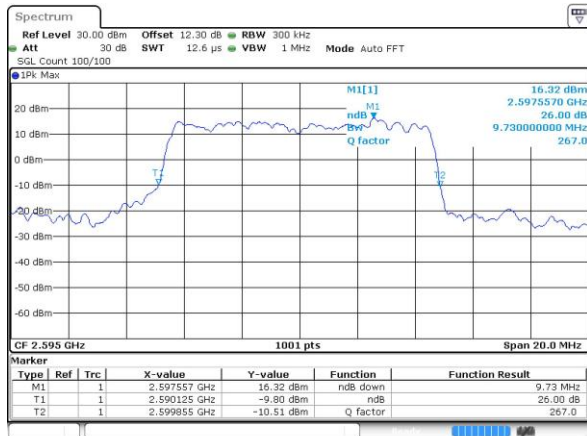
Date: 20 JUN 2016 18:24:42

Lowest Channel / 10MHz / 16QAM



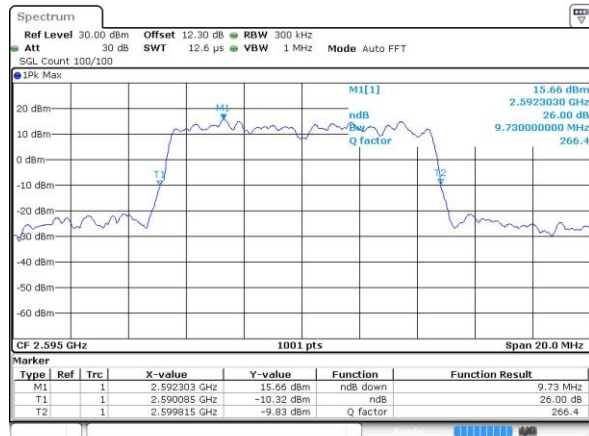
Date: 20 JUN 2016 18:31:45

Middle Channel / 10MHz / QPSK



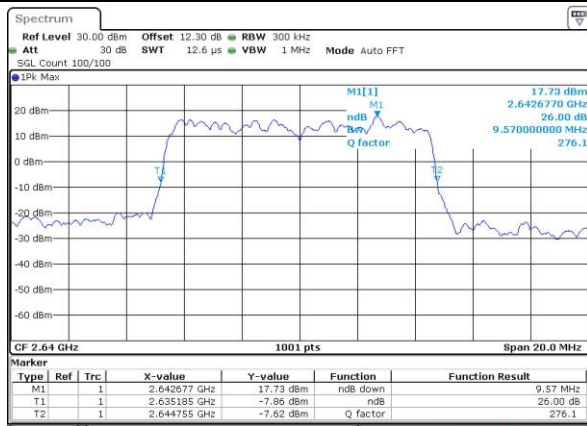
Date: 20 JUN 2016 18:25:24

Middle Channel / 10MHz / 16QAM



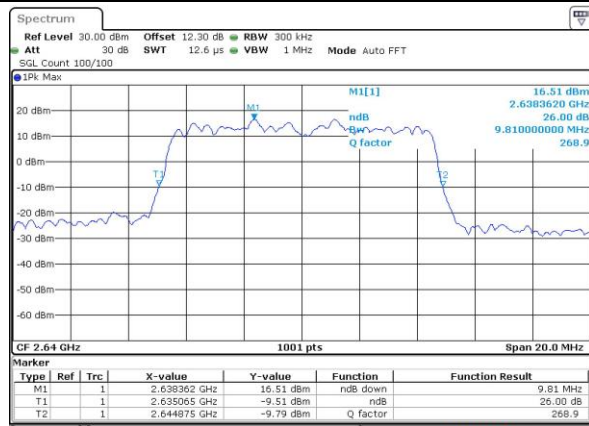
Date: 20 JUN 2016 18:25:35

Highest Channel / 10MHz / QPSK



Date: 20 JUN 2016 18:28:06

Highest Channel / 10MHz / 16QAM



Date: 20 JUN 2016 18:32:14



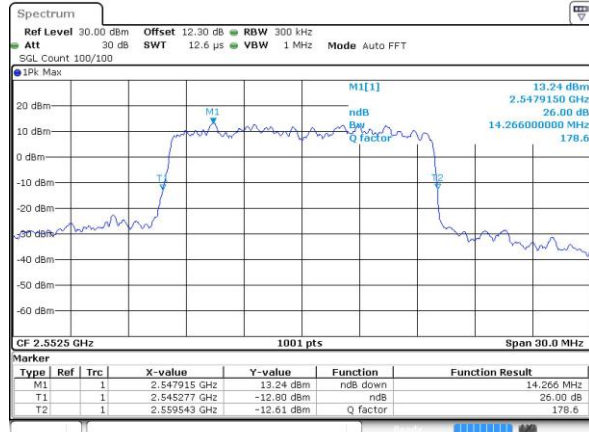
LTE Band 41

Lowest Channel / 15MHz / QPSK



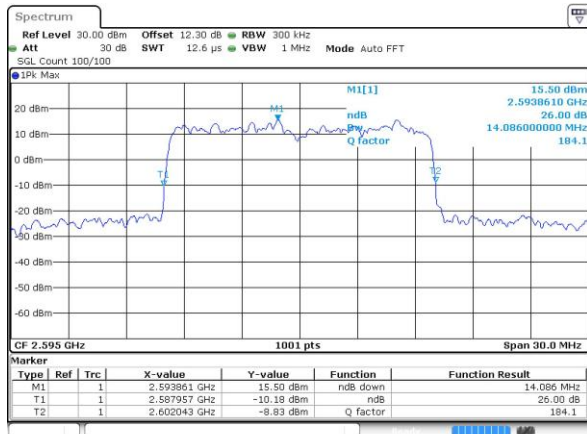
Date: 20 JUN 2016 18:26:49

Lowest Channel / 15MHz / 16QAM



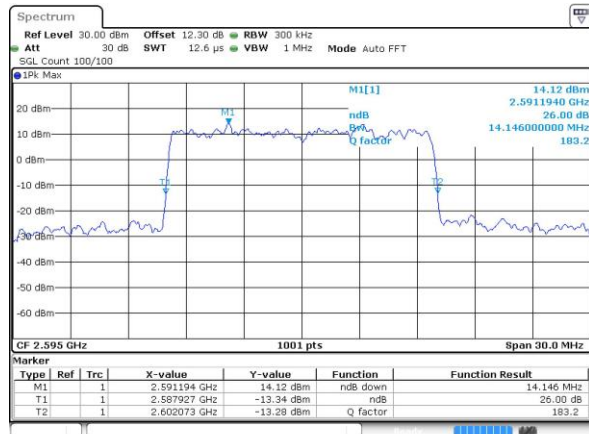
Date: 20 JUN 2016 18:26:59

Middle Channel / 15MHz / QPSK



Date: 20 JUN 2016 18:27:31

Middle Channel / 15MHz / 16QAM



Date: 20 JUN 2016 18:27:42

Highest Channel / 15MHz / QPSK



Date: 20 JUN 2016 18:28:13

Highest Channel / 15MHz / 16QAM

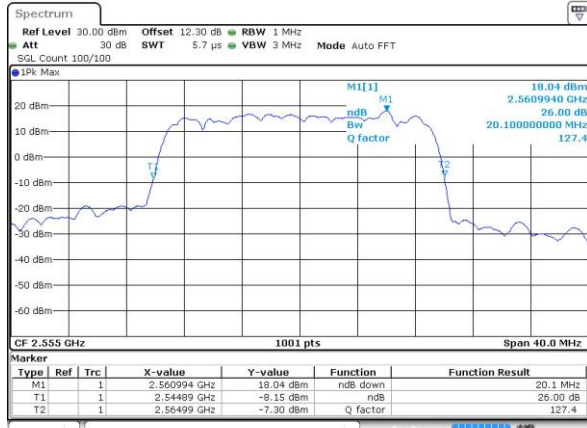


Date: 20 JUN 2016 18:28:24

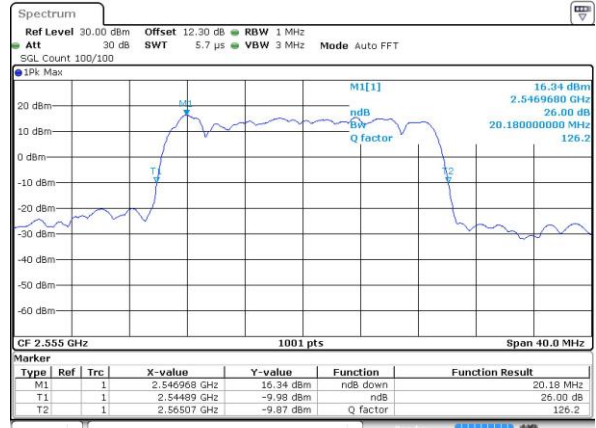


LTE Band 41

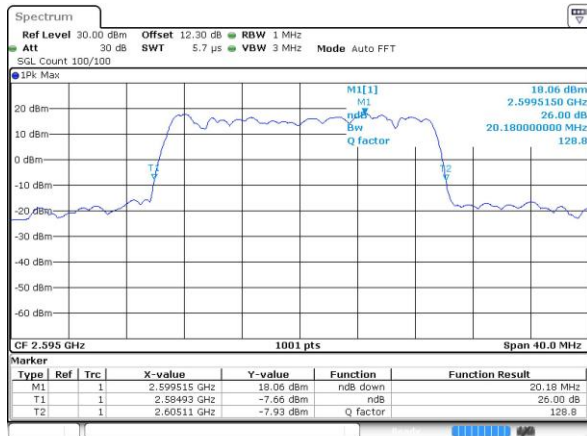
Lowest Channel / 20MHz / QPSK



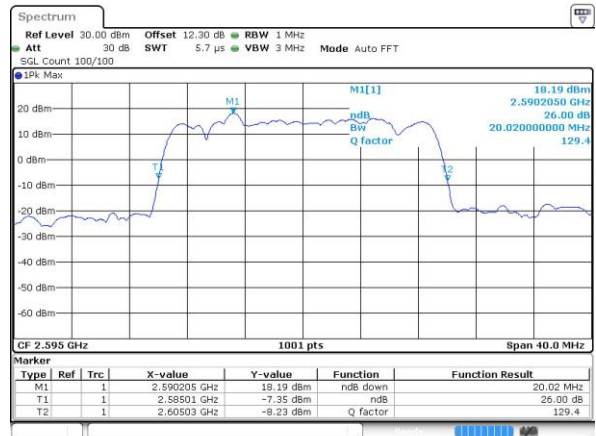
Lowest Channel / 20MHz / 16QAM



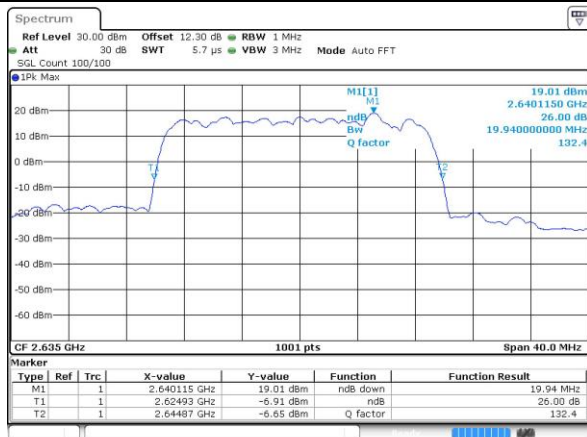
Middle Channel / 20MHz / QPSK



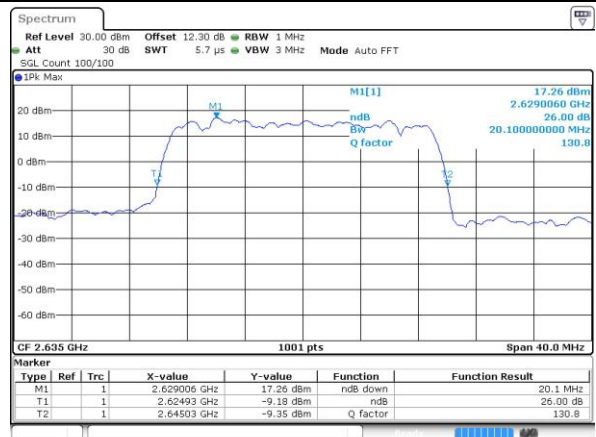
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM





Occupied Bandwidth

Mode	LTE Band 41 : 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	-	-	-	-	4.51	4.45	9.03	9.03	13.49	13.37	18.34	18.3
Middle CH	-	-	-	-	4.46	4.48	8.99	9.03	13.4	13.43	18.42	18.38
Highest CH	-	-	-	-	4.51	4.47	9.07	8.97	13.43	13.46	18.38	18.42