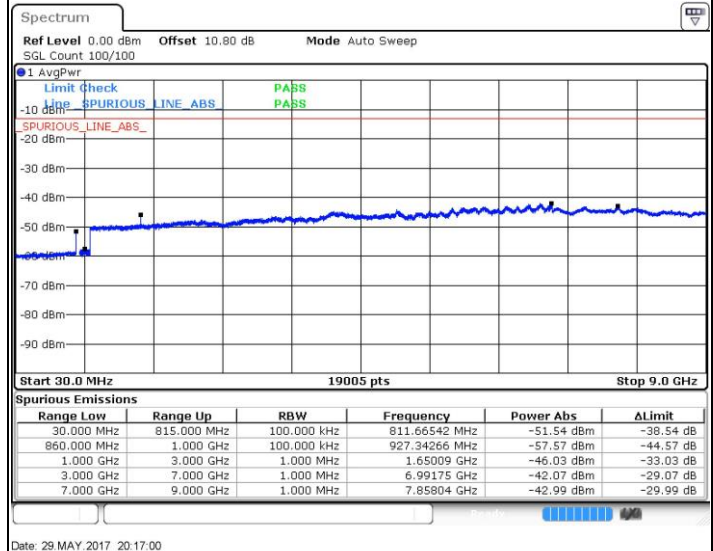


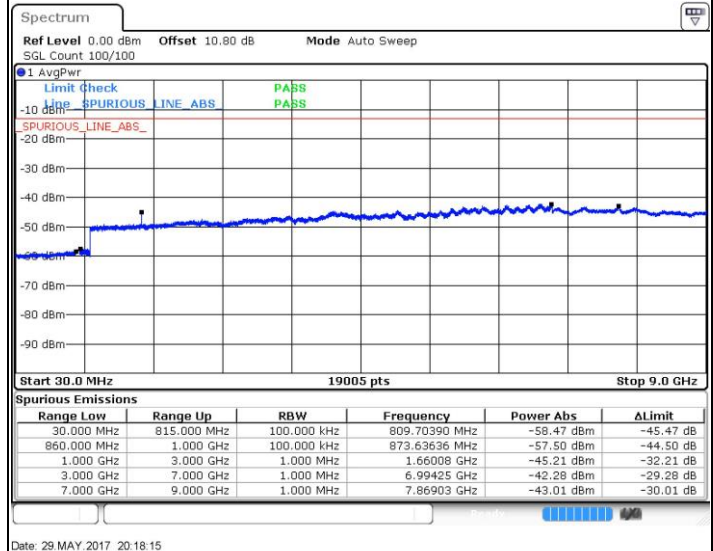


LTE Band 26 / 15MHz

Lowest Channel / 64QAM



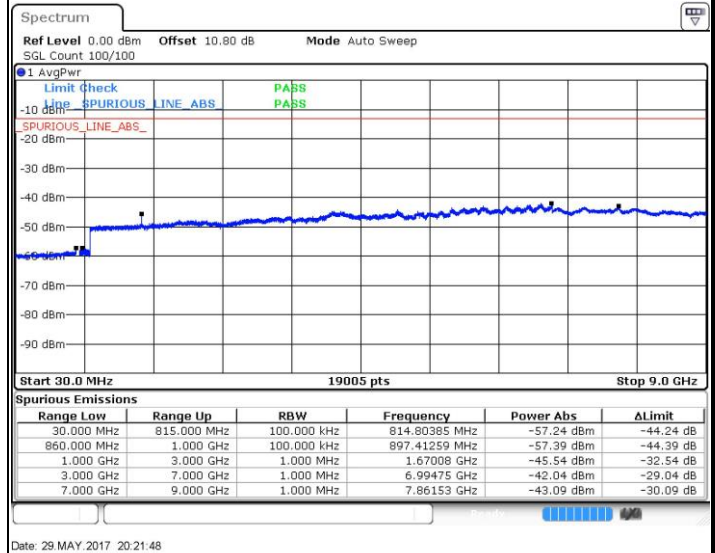
Middle Channel / 64QAM





LTE Band 26 / 15MHz

Highest Channel / 64QAM



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0056	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0038	
20	Maximum Voltage	0.0132	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

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



LTE Band 38

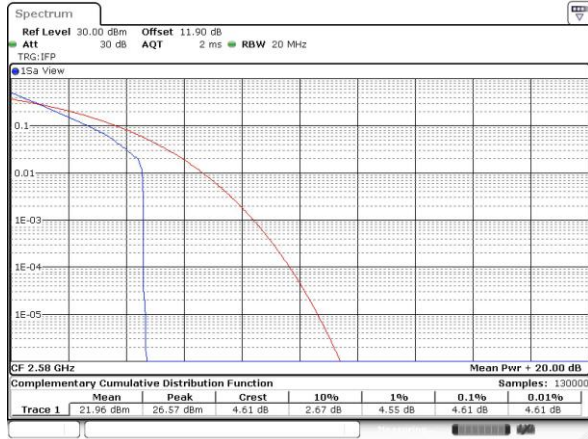
Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.61	4.96	5.57	5.97	PASS
Middle CH	4.55	4.84	5.62	5.94	
Highest CH	4.14	4.55	5.16	5.68	
Mode	LTE Band 38 / 20MHz				
Mod.	-		64QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	5.3	5.97	PASS
Middle CH	-	-	5.54	5.94	
Highest CH	4	4.52	4.84	5.65	

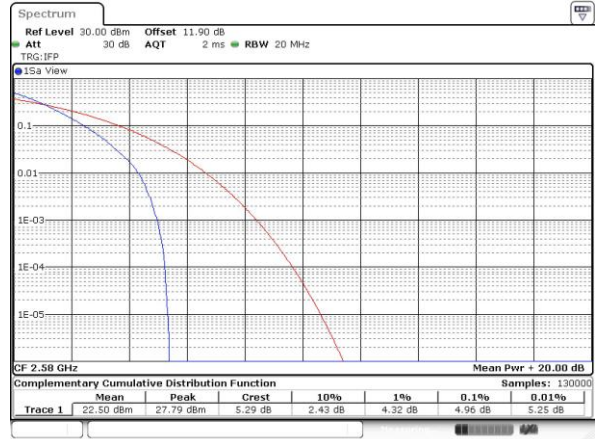


LTE Band 38 / 20MHz / QPSK

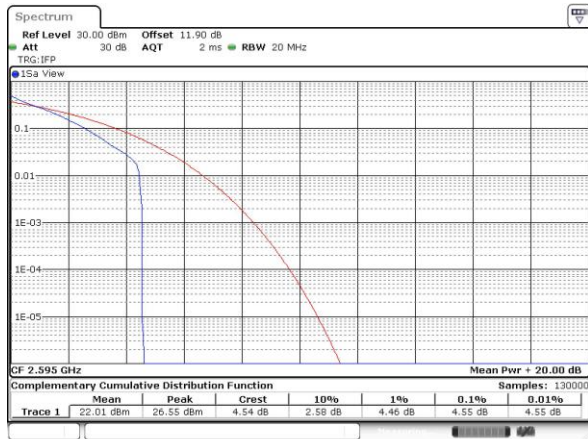
Lowest Channel / 1RB



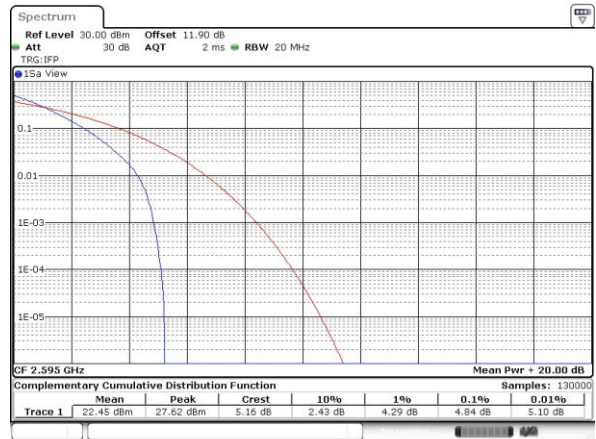
Lowest Channel / Full RB



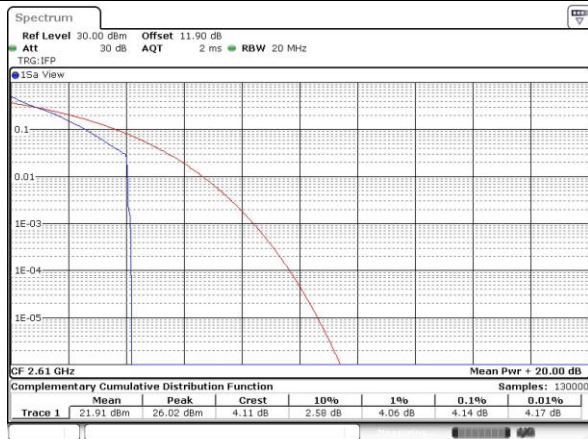
Middle Channel / 1RB



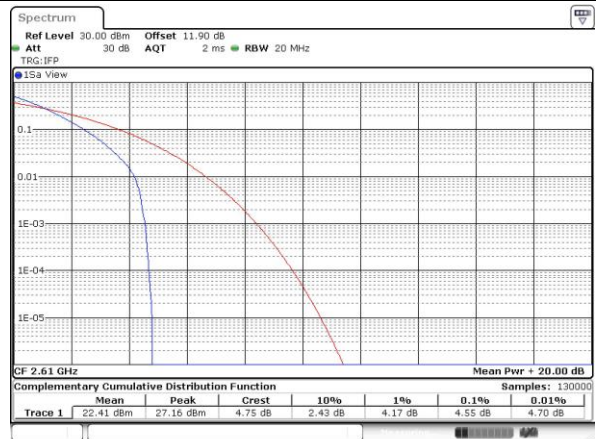
Middle Channel / Full RB



Highest Channel / 1RB



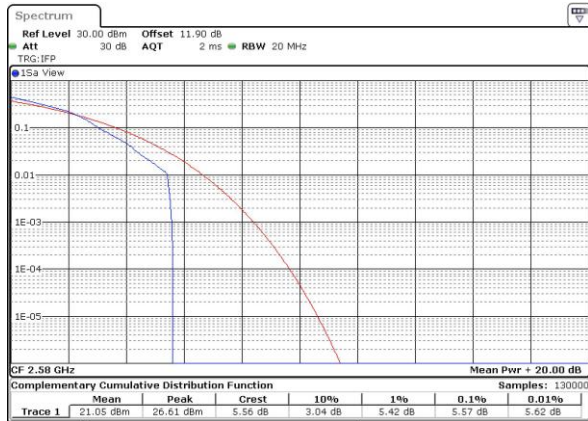
Highest Channel / Full RB



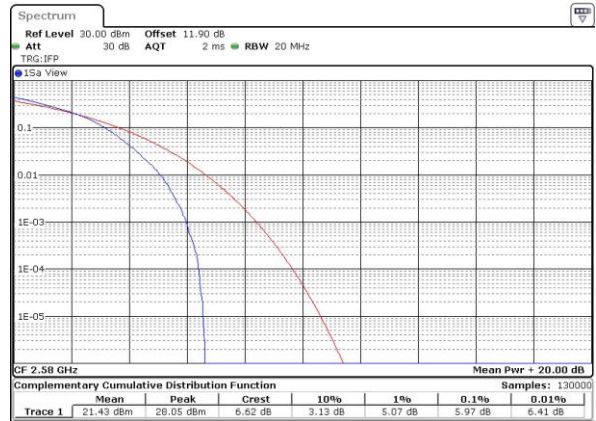


LTE Band 38 / 20MHz / 16QAM

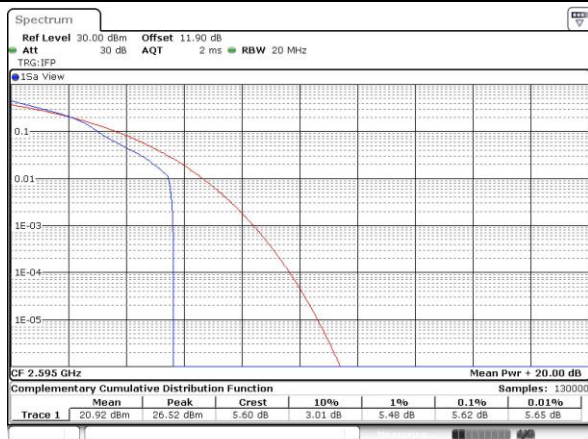
Lowest Channel / 1RB



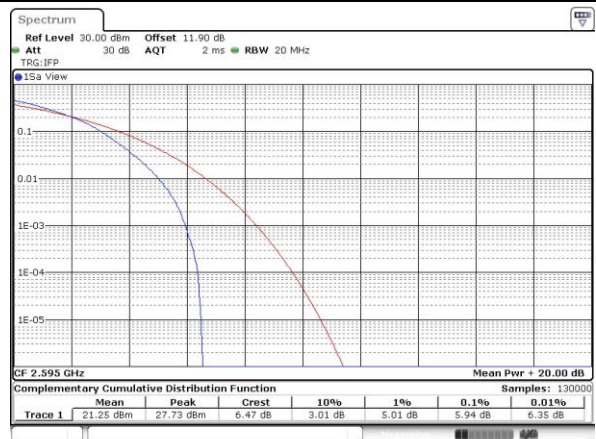
Lowest Channel / Full RB



Middle Channel / 1RB



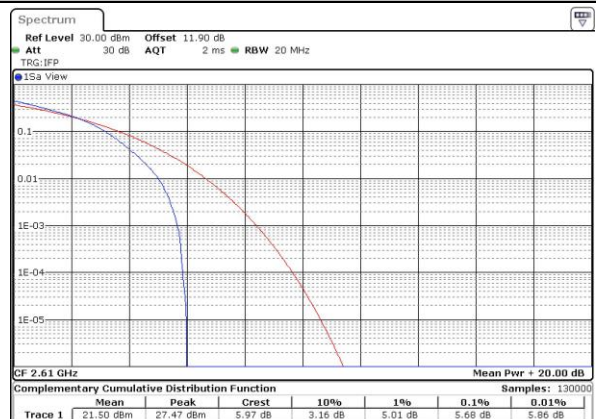
Middle Channel / Full RB



Highest Channel / 1RB



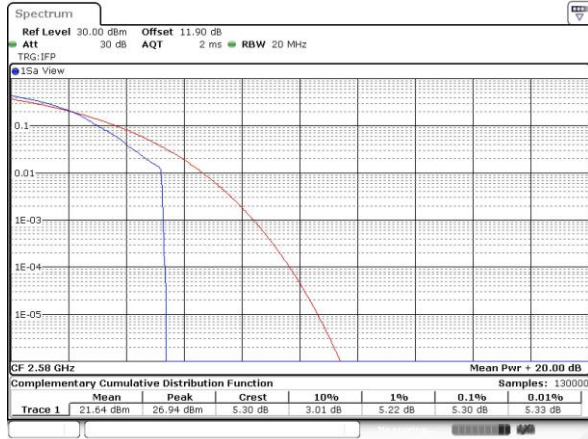
Highest Channel / Full RB



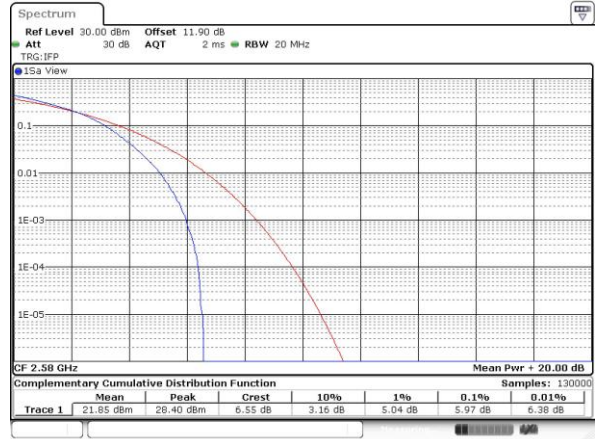


LTE Band 38 / 20MHz / 64QAM

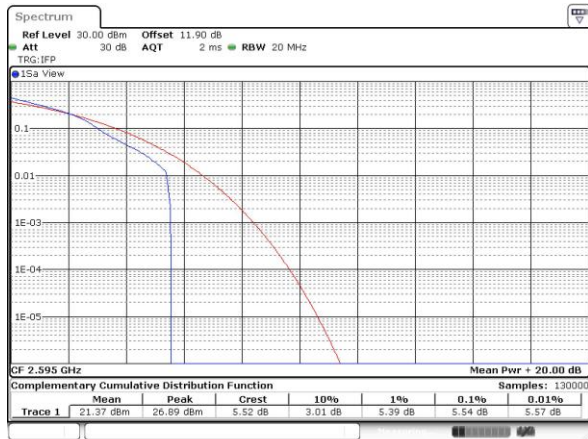
Lowest Channel / 1RB



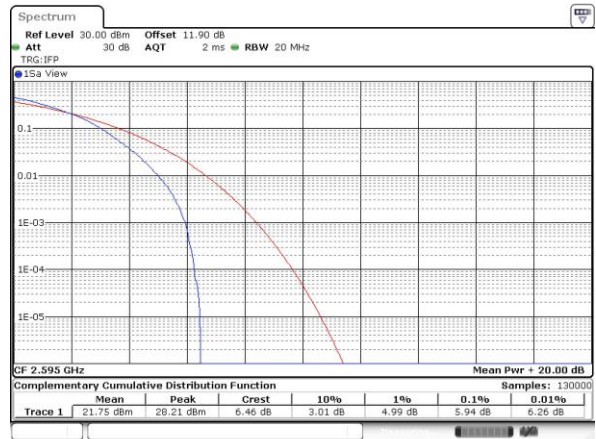
Lowest Channel / Full RB



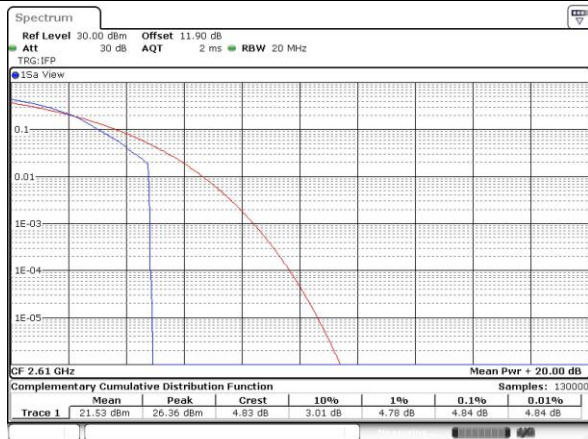
Middle Channel / 1RB



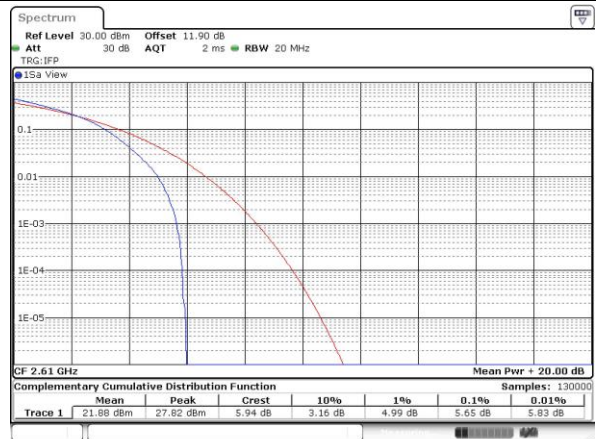
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



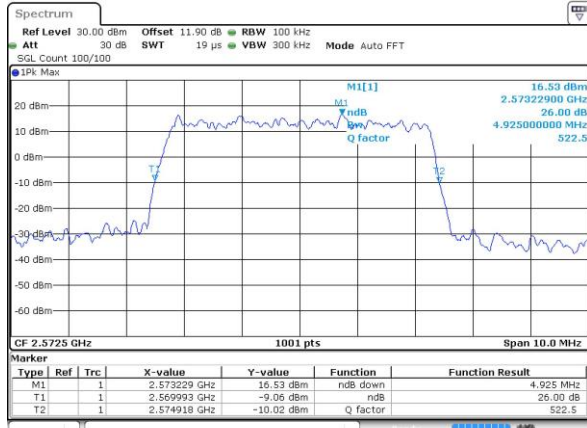
**26dB Bandwidth**

Mode	LTE Band 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	-	-	-	-	4.93	4.95	9.63	9.61	14.21	14.24	20.14	20.30
Middle CH	-	-	-	-	4.92	4.82	9.63	9.93	14.24	14.33	20.14	20.06
Highest CH	-	-	-	-	4.88	4.73	9.75	9.71	14.15	14.09	20.10	20.14
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM
Lowest CH	-	-	-	-	-	4.87	-	9.63	-	14.21	-	19.98
Middle CH	-	-	-	-	-	4.85	-	9.71	-	14.18	-	20.26
Highest CH	-	-	-	-	-	4.83	-	9.69	-	14.18	-	20.02



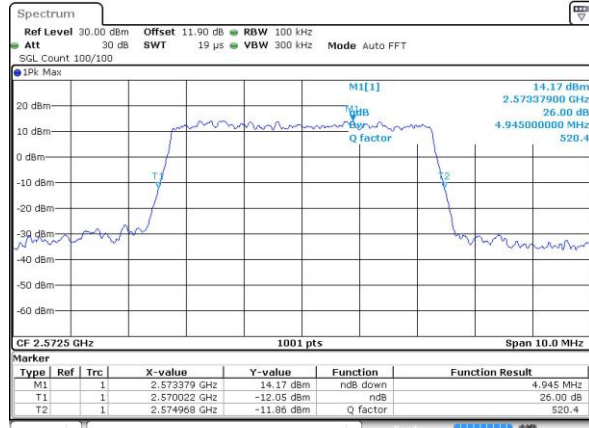
LTE Band 38

Lowest Channel / 5MHz / QPSK



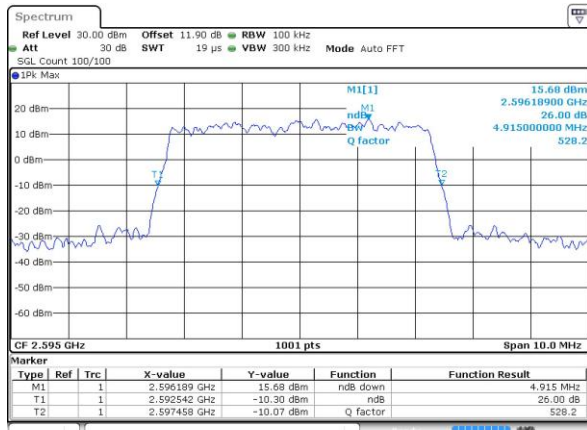
Date: 17 MAY 2017 11:19:14

Lowest Channel / 5MHz / 16QAM



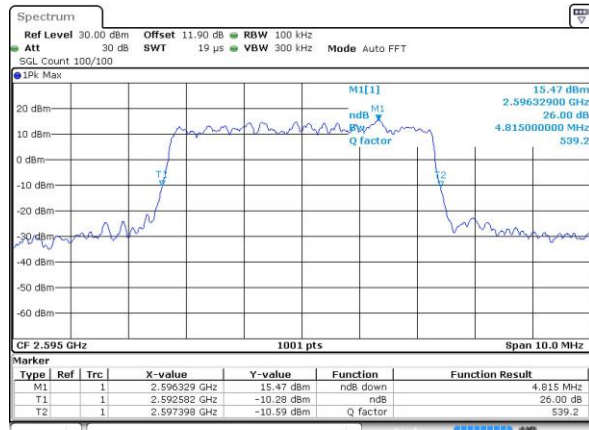
Date: 17 MAY 2017 11:07:18

Middle Channel / 5MHz / QPSK



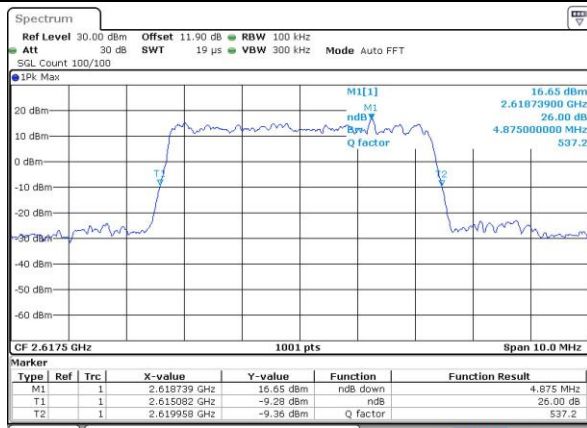
Date: 17 MAY 2017 11:19:34

Middle Channel / 5MHz / 16QAM



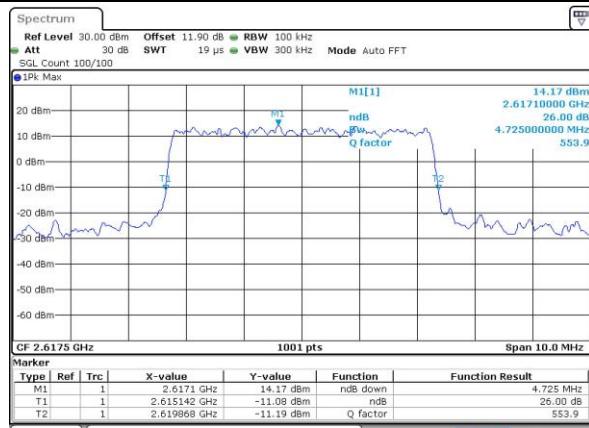
Date: 17 MAY 2017 11:07:39

Highest Channel / 5MHz / QPSK



Date: 17 MAY 2017 11:19:55

Highest Channel / 5MHz / 16QAM

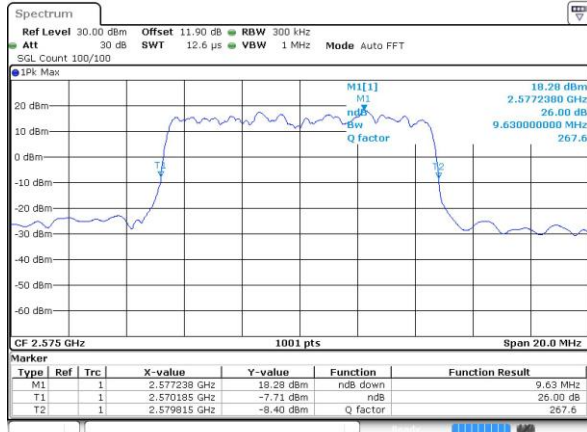


Date: 17 MAY 2017 11:08:00



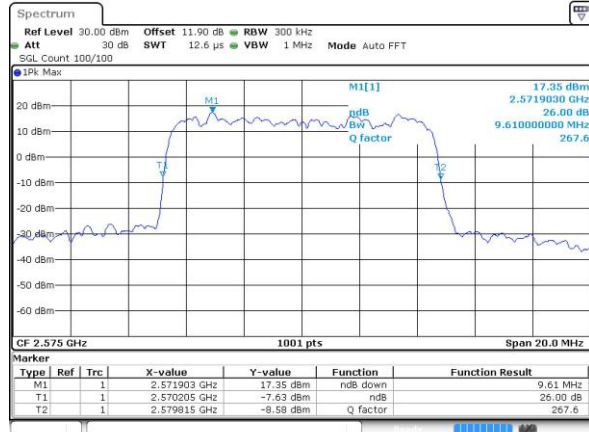
LTE Band 38

Lowest Channel / 10MHz / QPSK



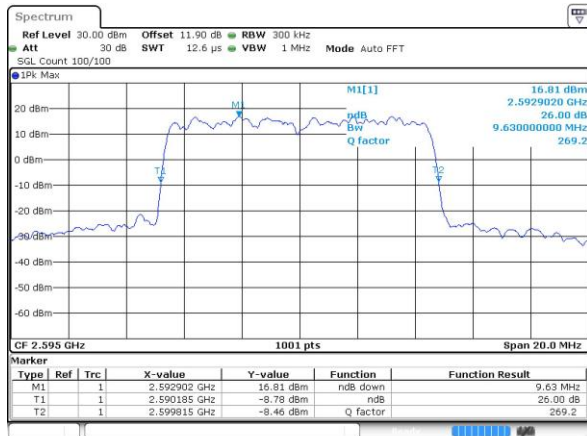
Date: 17 MAY 2017 11:20:16

Lowest Channel / 10MHz / 16QAM



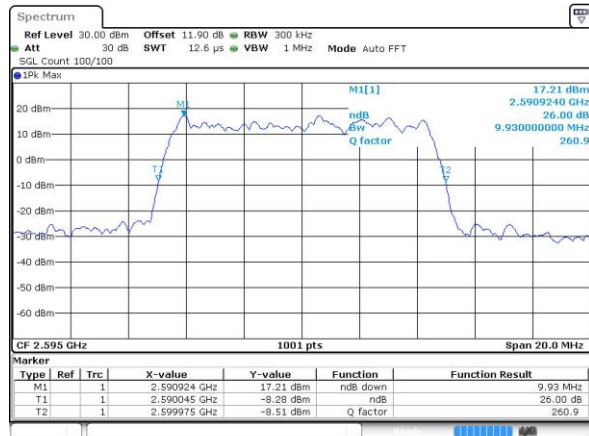
Date: 17 MAY 2017 11:08:21

Middle Channel / 10MHz / QPSK



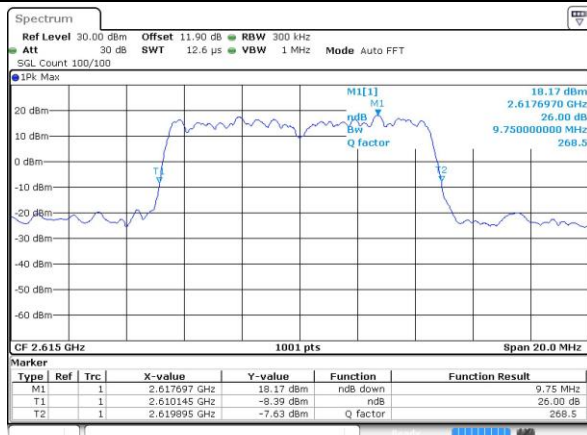
Date: 17 MAY 2017 11:20:37

Middle Channel / 10MHz / 16QAM



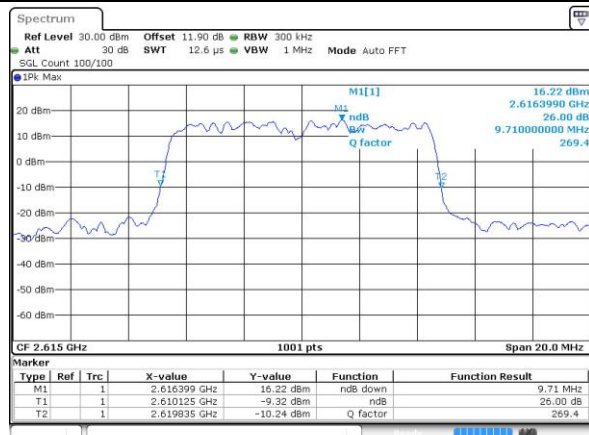
Date: 17 MAY 2017 11:08:41

Highest Channel / 10MHz / QPSK



Date: 17 MAY 2017 11:20:57

Highest Channel / 10MHz / 16QAM

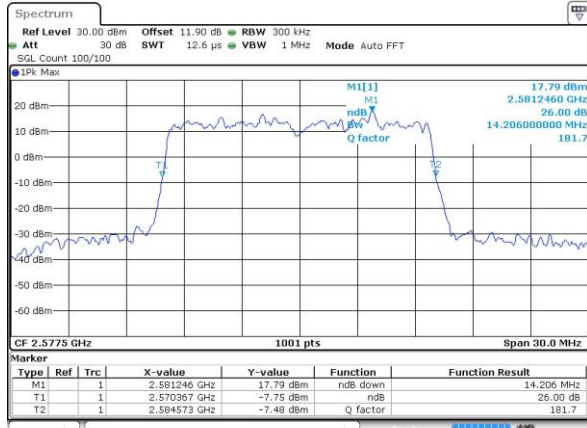


Date: 17 MAY 2017 11:09:02

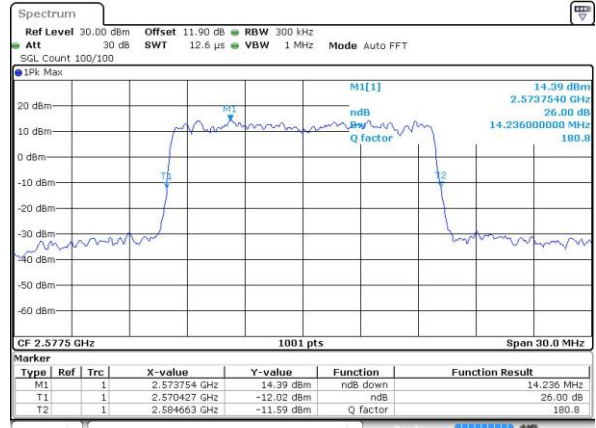


LTE Band 38

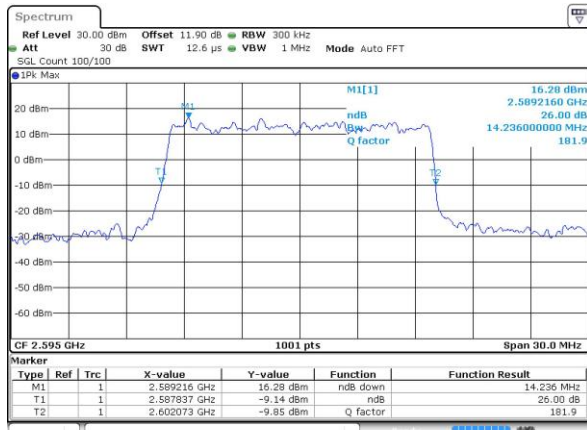
Lowest Channel / 15MHz / QPSK



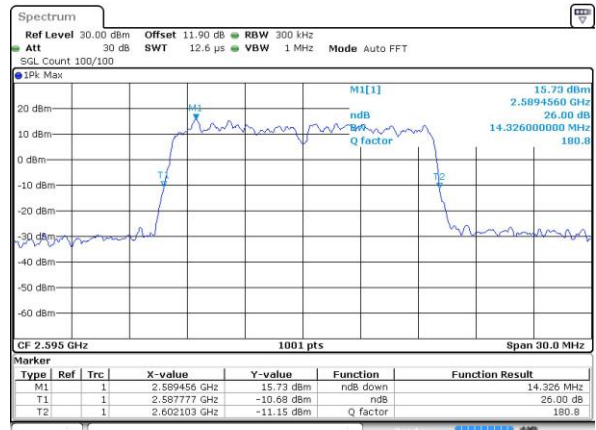
Lowest Channel / 15MHz / 16QAM



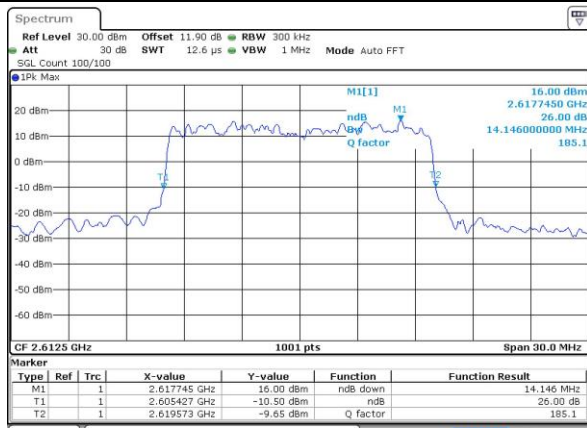
Middle Channel / 15MHz / QPSK



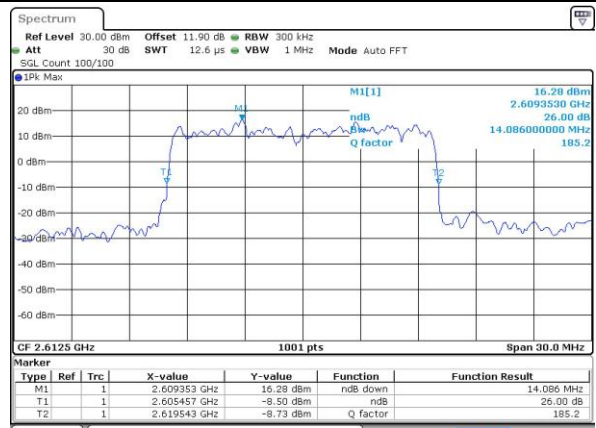
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



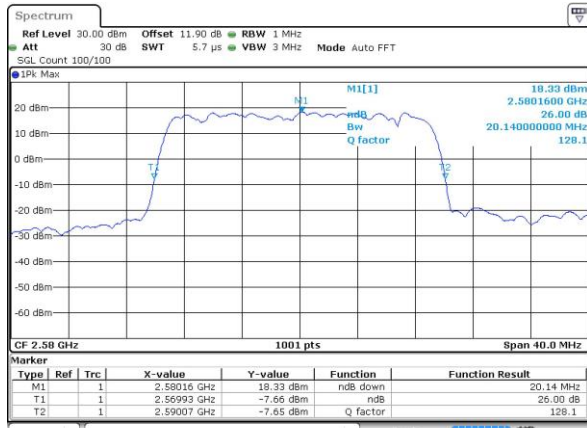
Highest Channel / 15MHz / 16QAM



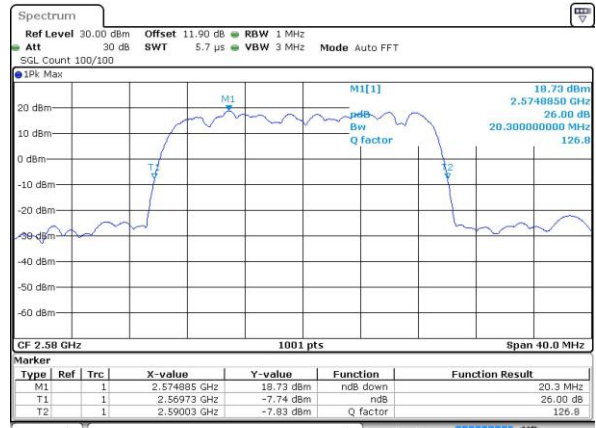


LTE Band 38

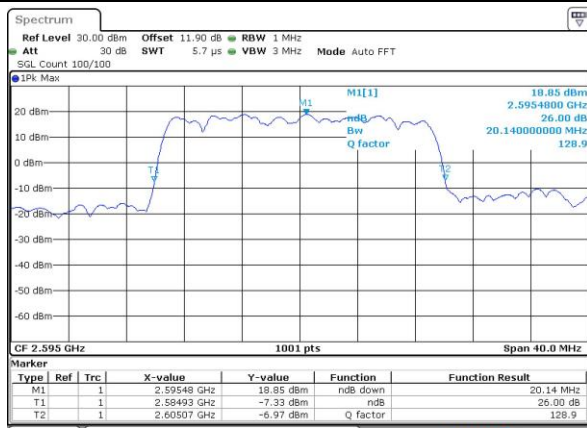
Lowest Channel / 20MHz / QPSK



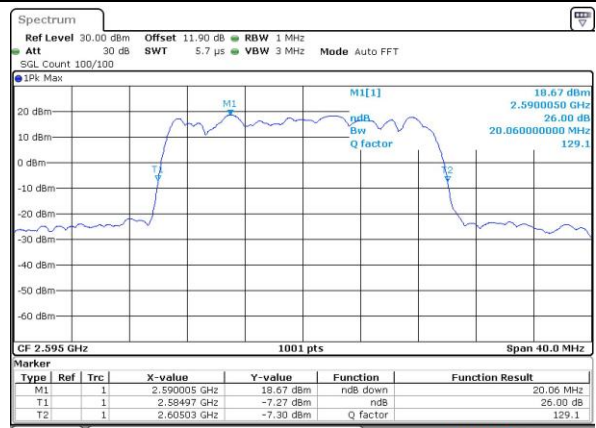
Lowest Channel / 20MHz / 16QAM



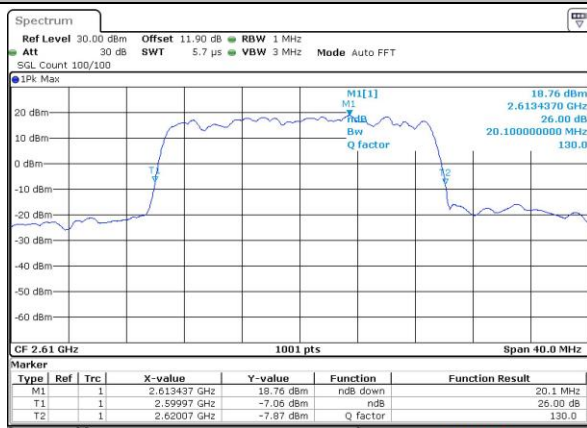
Middle Channel / 20MHz / QPSK



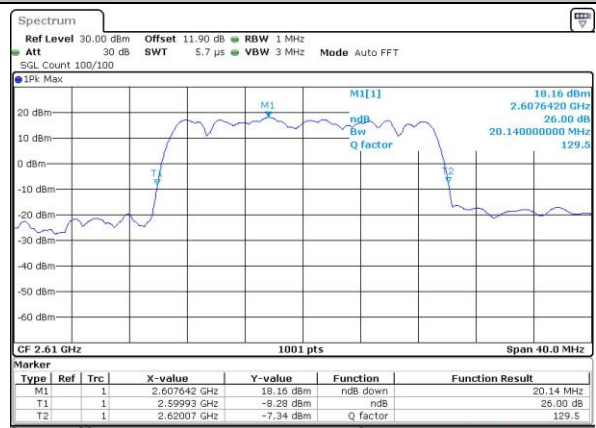
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



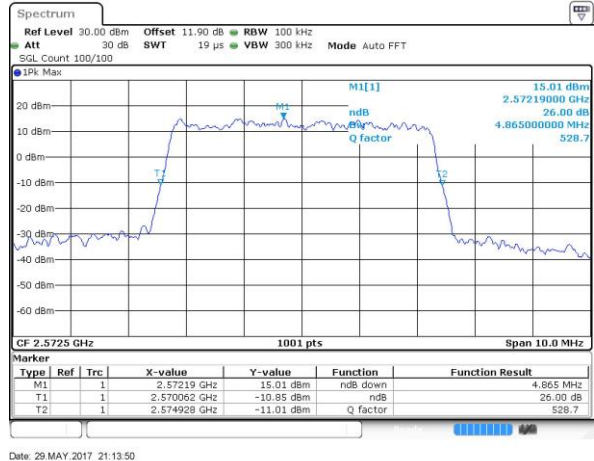
Highest Channel / 20MHz / 16QAM



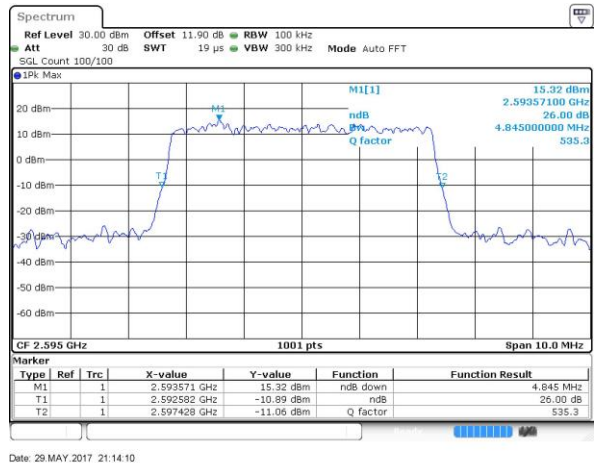


LTE Band 38

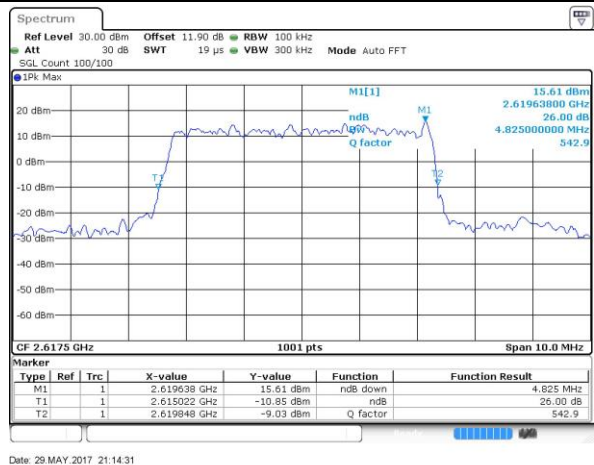
Lowest Channel / 5MHz / 64QAM



Middle Channel / 5MHz / 64QAM



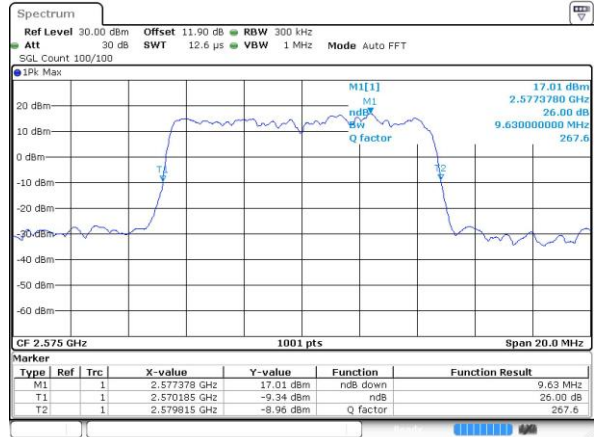
Highest Channel / 5MHz / 64QAM



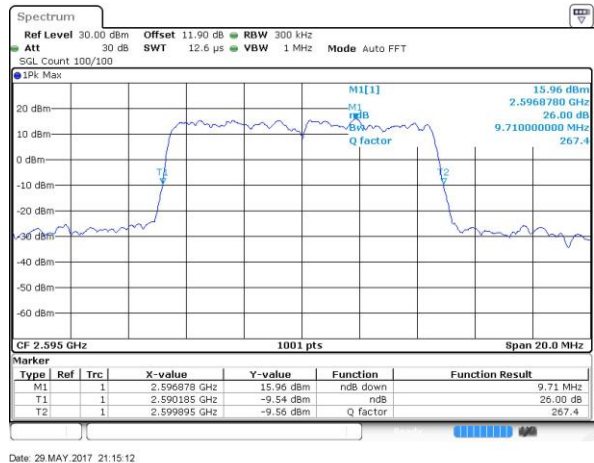


LTE Band 38

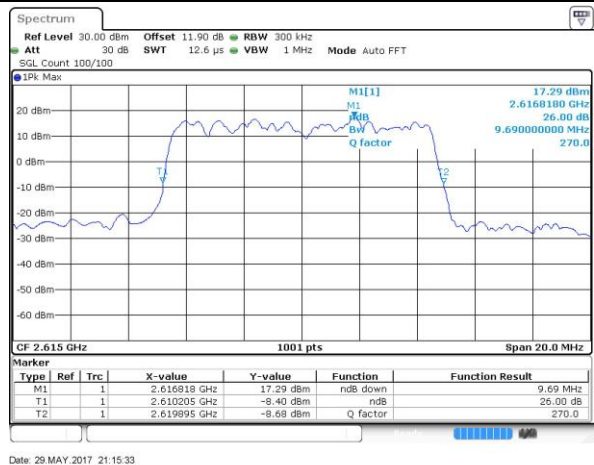
Lowest Channel / 10MHz / 64QAM



Middle Channel / 10MHz / 64QAM



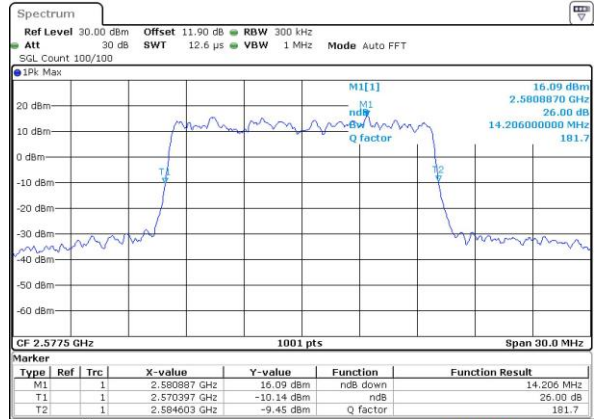
Highest Channel / 10MHz / 64QAM



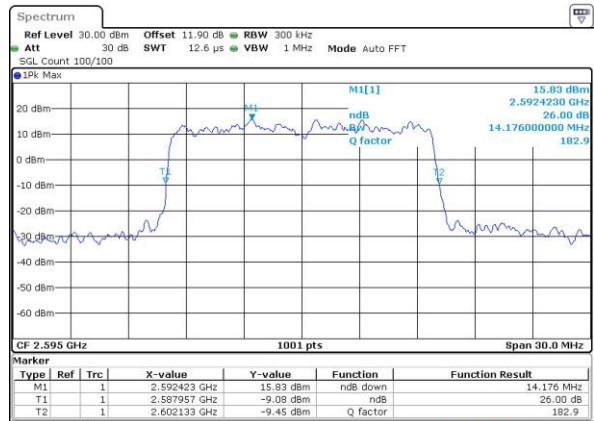


LTE Band 38

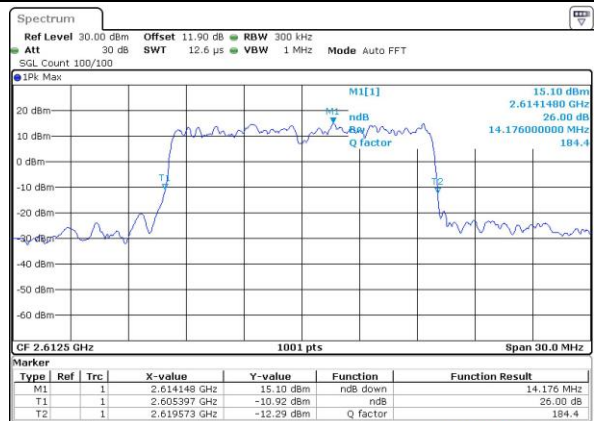
Lowest Channel / 15MHz / 64QAM



Middle Channel / 15MHz / 64QAM



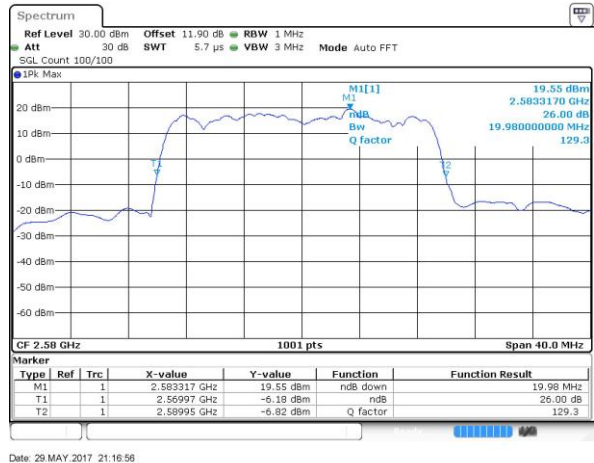
Highest Channel / 15MHz / 64QAM



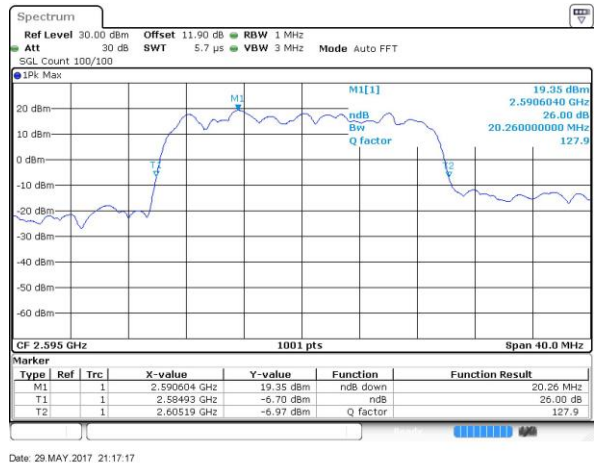


LTE Band 38

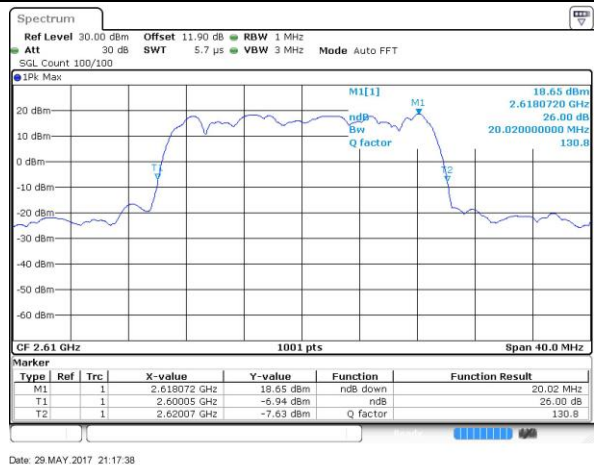
Lowest Channel / 20MHz / 64QAM



Middle Channel / 20MHz / 64QAM



Highest Channel / 20MHz / 64QAM



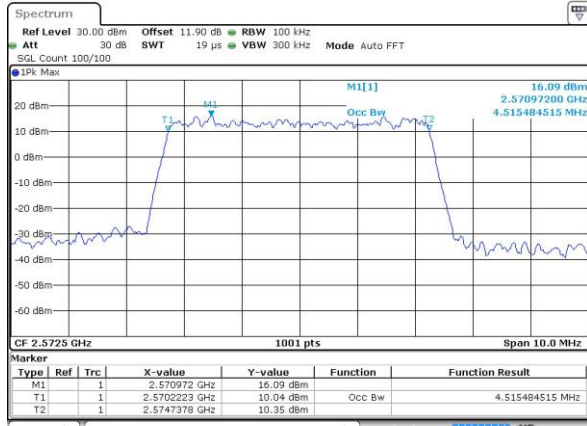
**Occupied Bandwidth**

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	-	-	-	-	4.52	4.47	9.05	8.99	13.52	13.46	18.34	18.3
Middle CH	-	-	-	-	4.48	4.47	8.99	9.01	13.43	13.49	18.5	18.3
Highest CH	-	-	-	-	4.5	4.49	9.05	9.03	13.4	13.37	18.34	18.06
Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM
Lowest CH	-	-	-	-	-	4.5	-	9.01	-	13.46	-	18.34
Middle CH	-	-	-	-	-	4.47	-	9.05	-	13.49	-	18.34
Highest CH	-	-	-	-	-	4.5	-	9.01	-	13.43	-	18.42



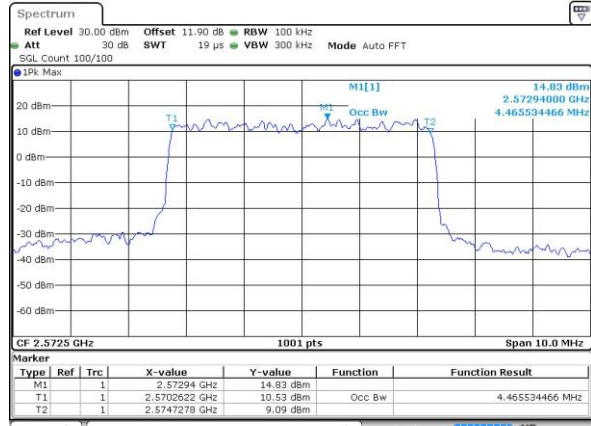
LTE Band 38

Lowest Channel / 5MHz / QPSK



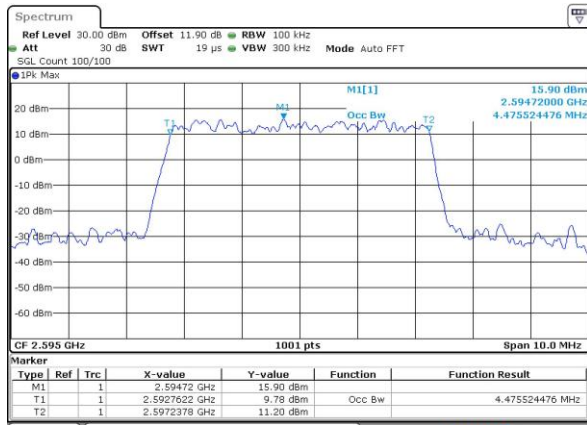
Date: 17 MAY 2017 11:19:03

Lowest Channel / 5MHz / 16QAM



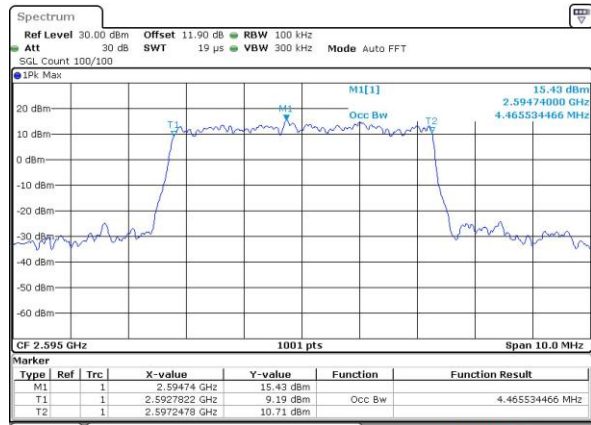
Date: 17 MAY 2017 11:07:08

Middle Channel / 5MHz / QPSK



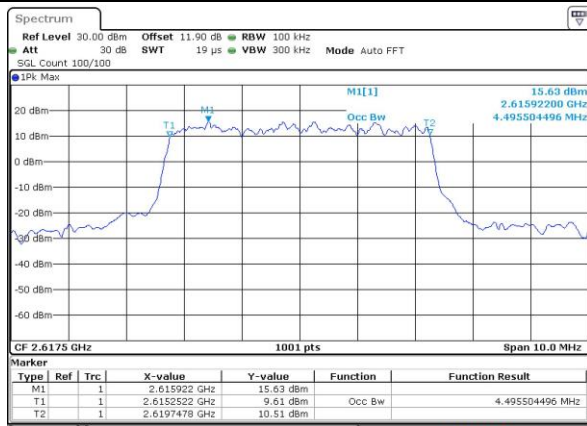
Date: 17 MAY 2017 11:19:24

Middle Channel / 5MHz / 16QAM



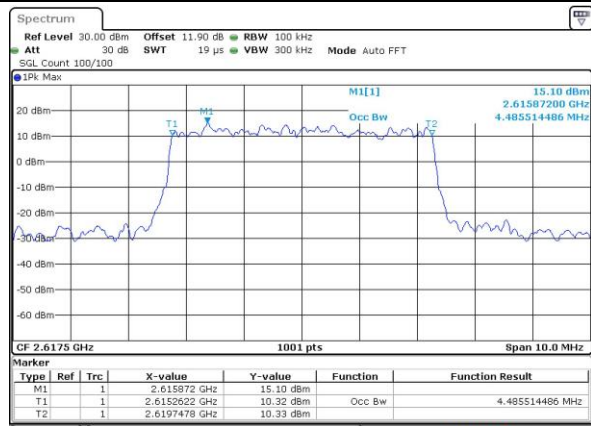
Date: 17 MAY 2017 11:07:29

Highest Channel / 5MHz / QPSK



Date: 17 MAY 2017 11:19:45

Highest Channel / 5MHz / 16QAM

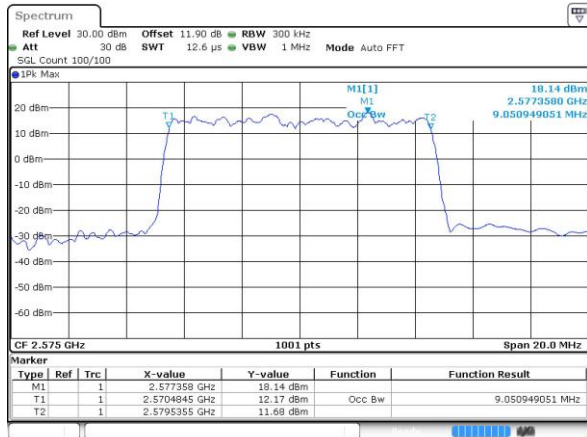


Date: 17 MAY 2017 11:07:50

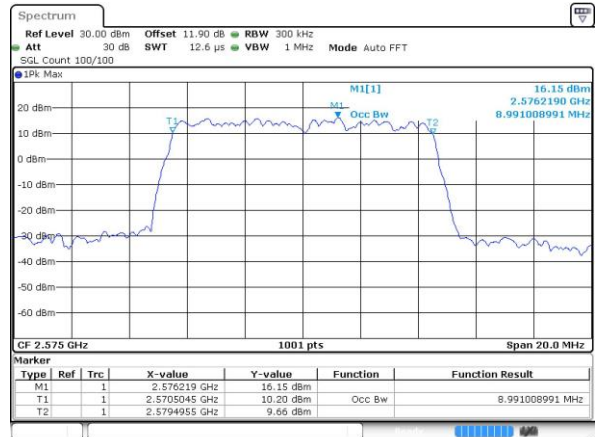


LTE Band 38

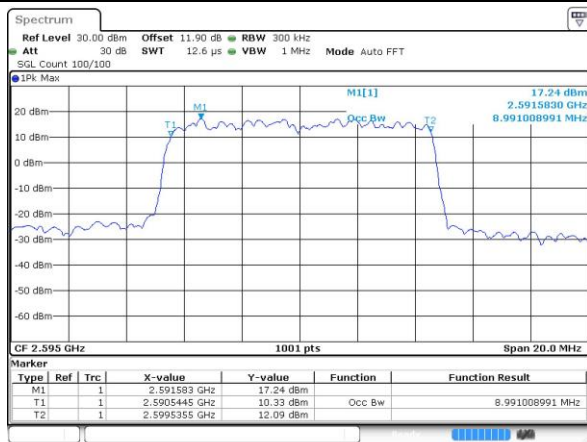
Lowest Channel / 10MHz / QPSK



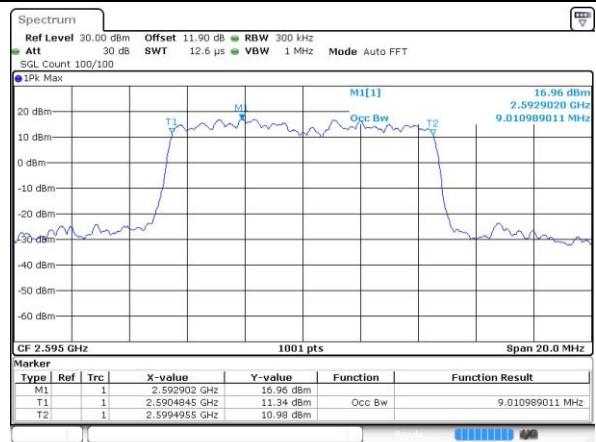
Lowest Channel / 10MHz / 16QAM



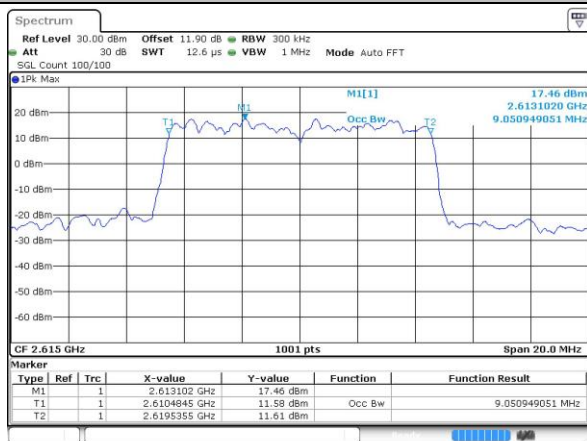
Middle Channel / 10MHz / QPSK



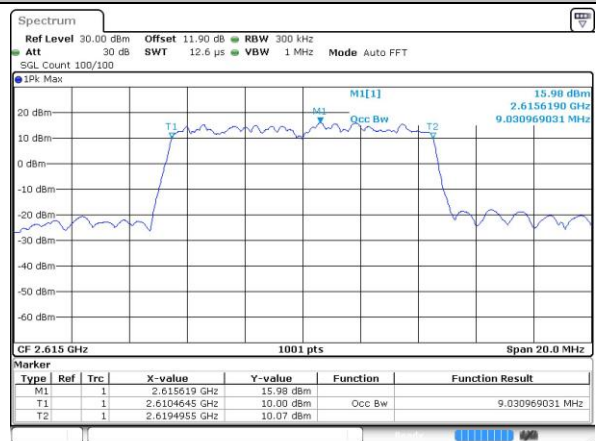
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



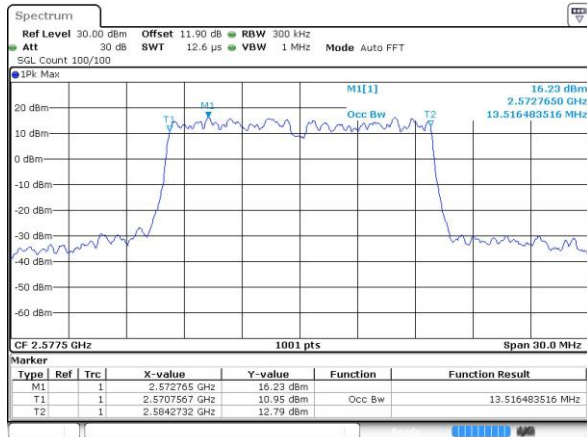
Highest Channel / 10MHz / 16QAM



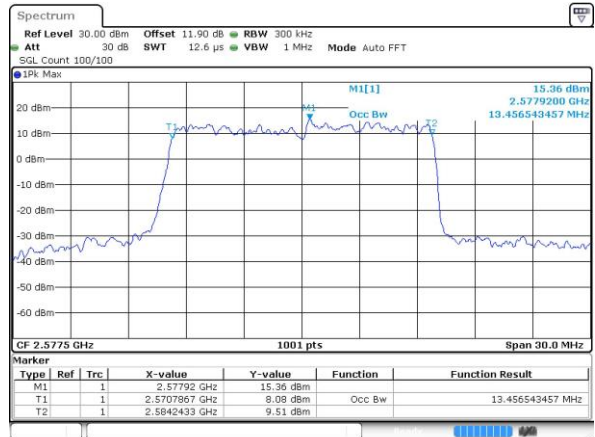


LTE Band 38

Lowest Channel / 15MHz / QPSK



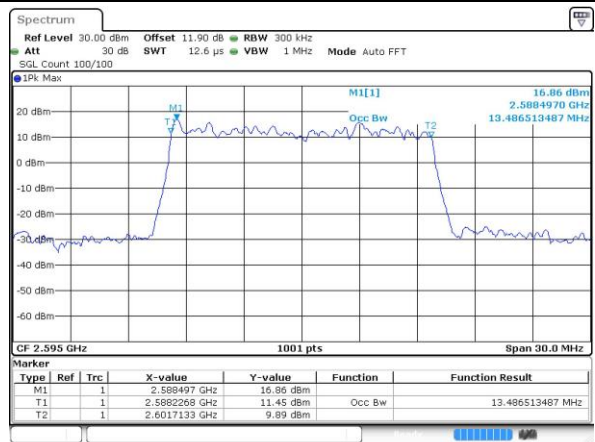
Lowest Channel / 15MHz / 16QAM



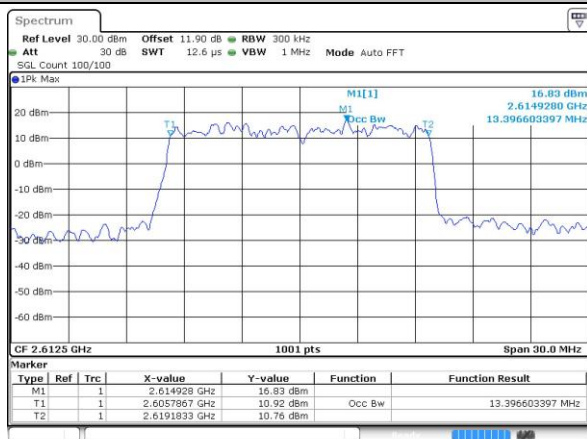
Middle Channel / 15MHz / QPSK



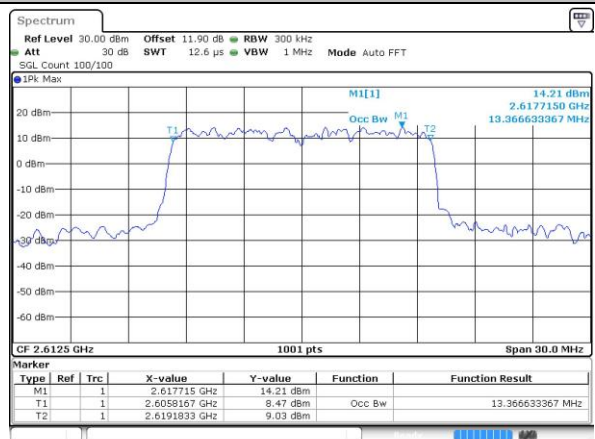
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



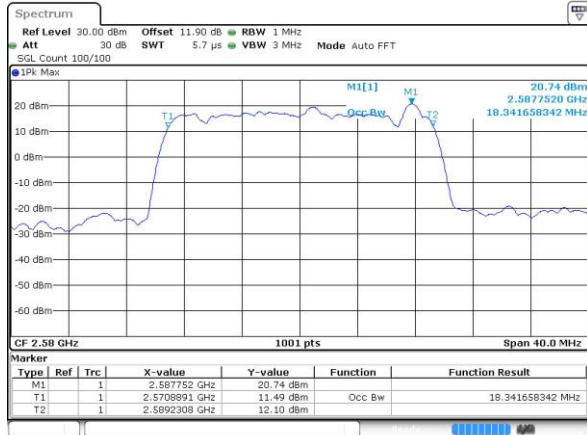
Highest Channel / 15MHz / 16QAM





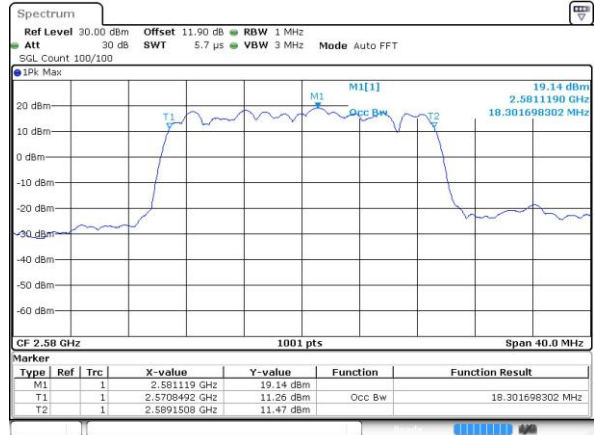
LTE Band 38

Lowest Channel / 20MHz / QPSK



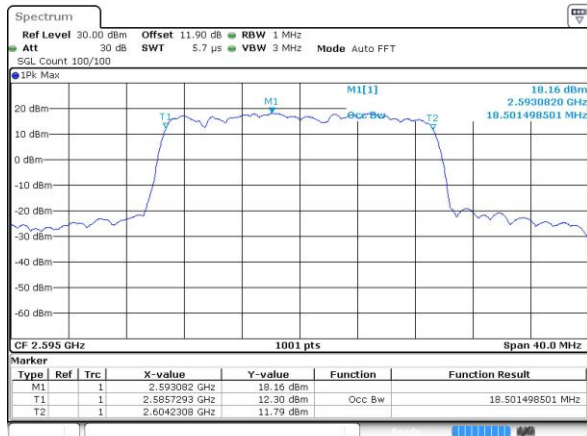
Date: 17 MAY 2017 11:22:10

Lowest Channel / 20MHz / 16QAM



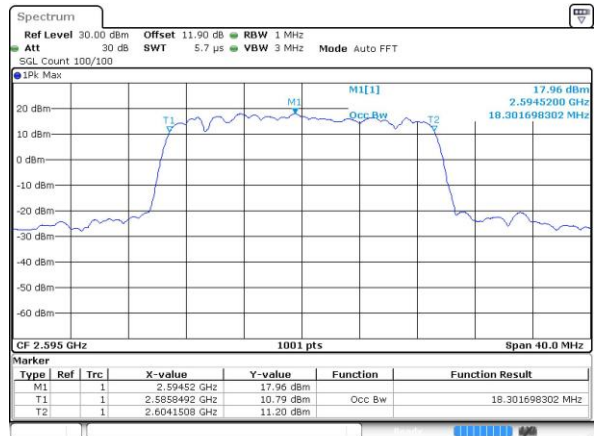
Date: 17 MAY 2017 11:10:15

Middle Channel / 20MHz / QPSK



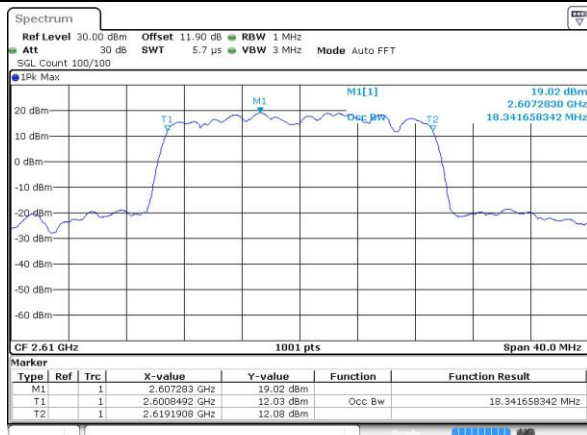
Date: 17 MAY 2017 11:22:31

Middle Channel / 20MHz / 16QAM



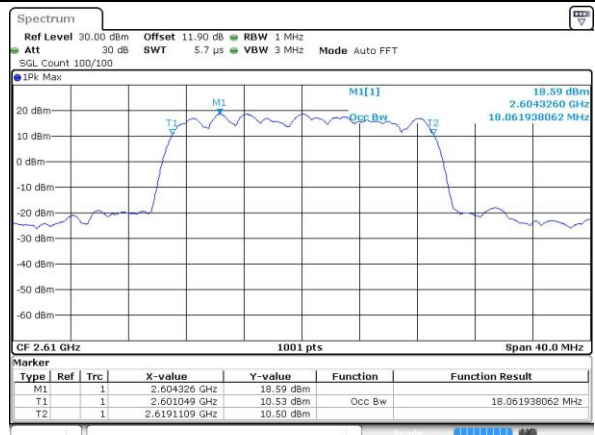
Date: 17 MAY 2017 11:10:36

Highest Channel / 20MHz / QPSK



Date: 17 MAY 2017 11:22:51

Highest Channel / 20MHz / 16QAM

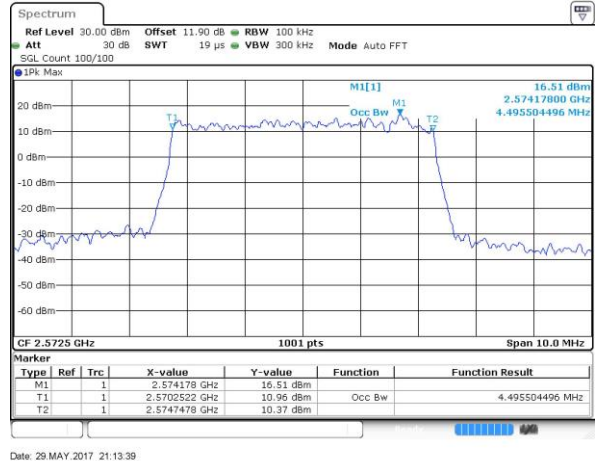


Date: 17 MAY 2017 11:10:57

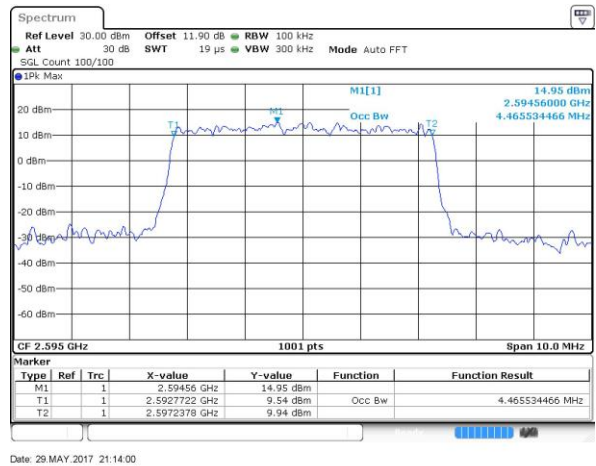


LTE Band 38

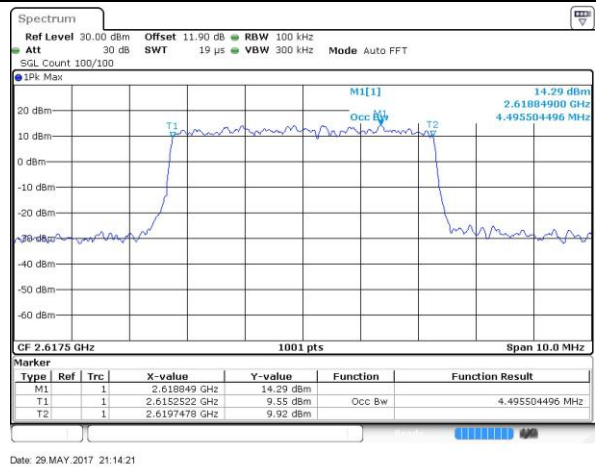
Lowest Channel / 5MHz / 64QAM



Middle Channel / 5MHz / 64QAM



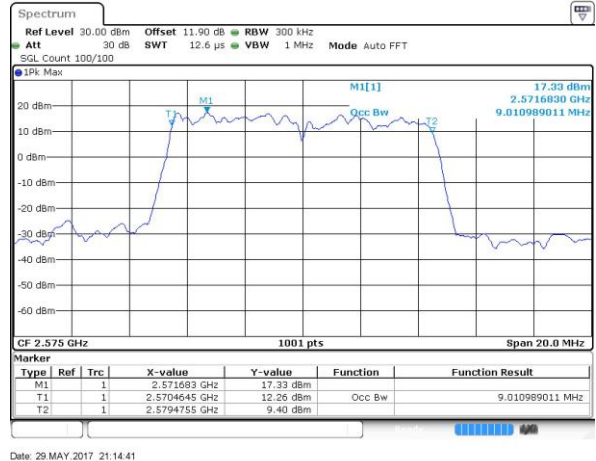
Highest Channel / 5MHz / 64QAM



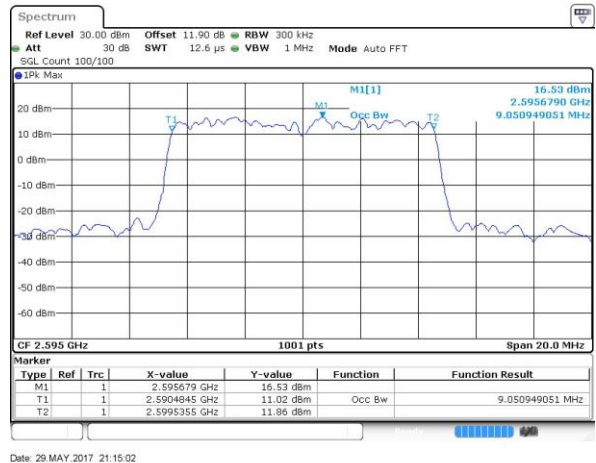


LTE Band 38

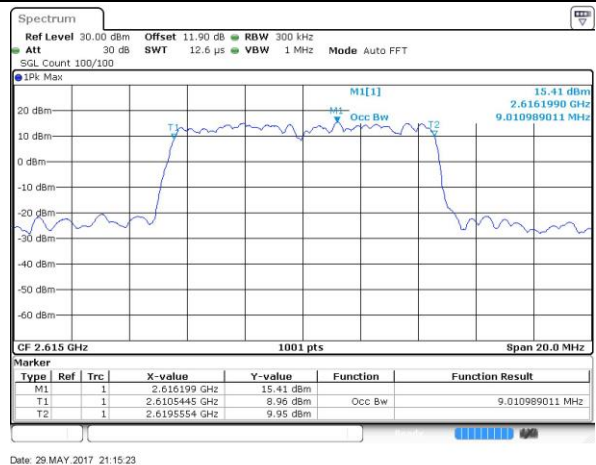
Lowest Channel / 10MHz / 64QAM



Middle Channel / 10MHz / 64QAM



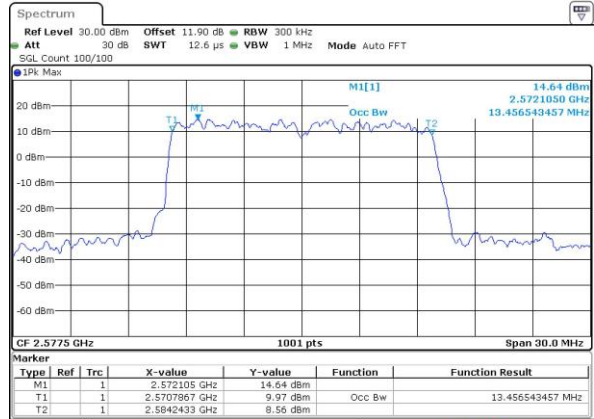
Highest Channel / 10MHz / 64QAM





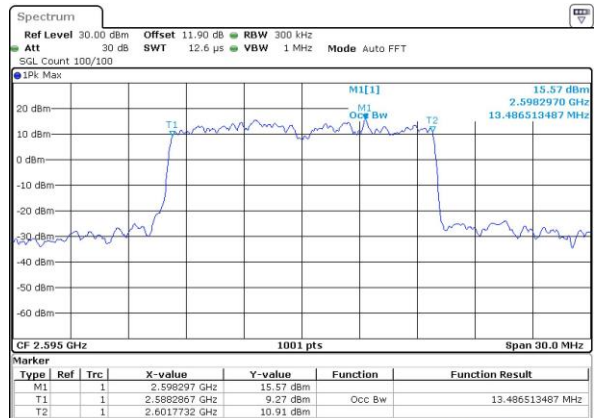
LTE Band 38

Lowest Channel / 15MHz / 64QAM



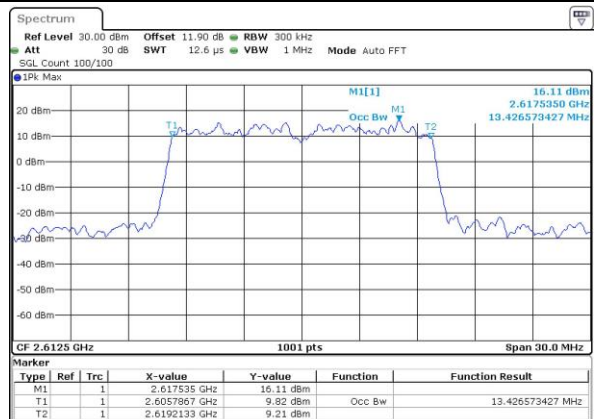
Date: 29 MAY 2017 21:15:44

Middle Channel / 15MHz / 64QAM



Date: 29 MAY 2017 21:16:04

Highest Channel / 15MHz / 64QAM

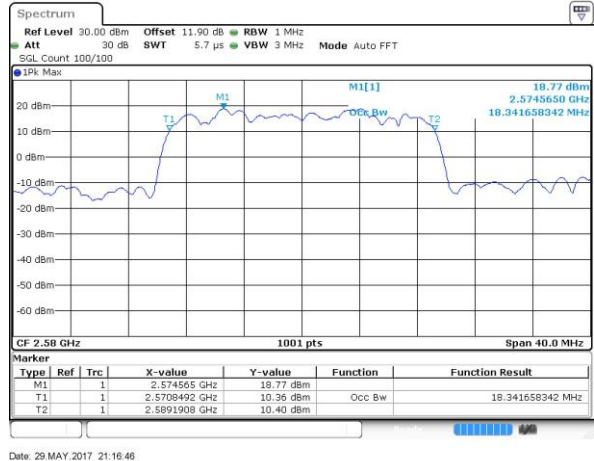


Date: 29 MAY 2017 21:16:25

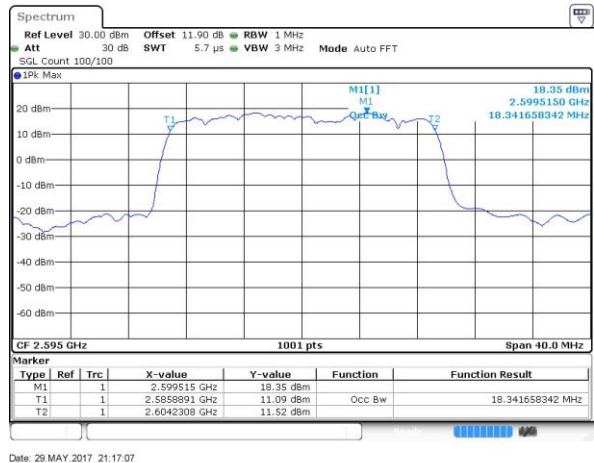


LTE Band 38

Lowest Channel / 20MHz / 64QAM



Middle Channel / 20MHz / 64QAM



Highest Channel / 20MHz / 64QAM

