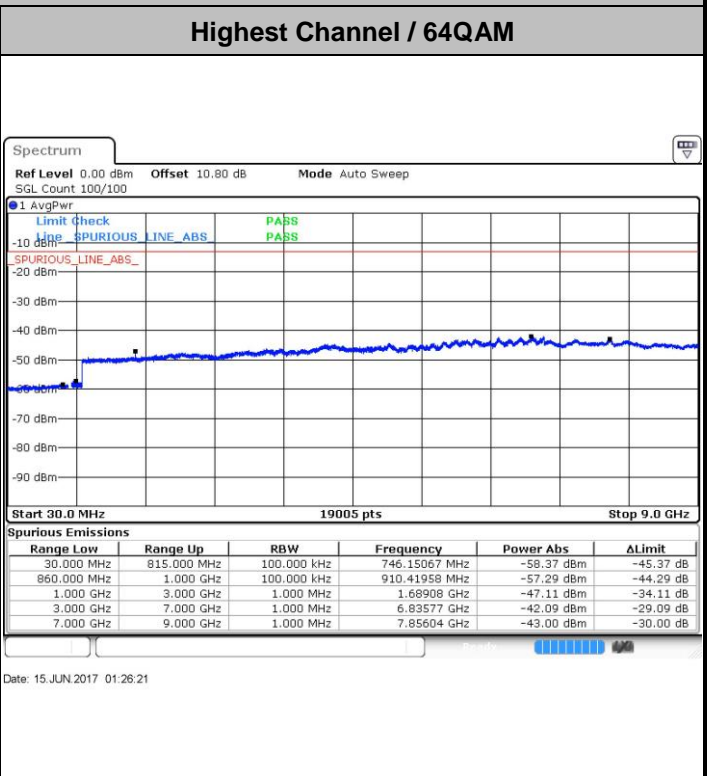
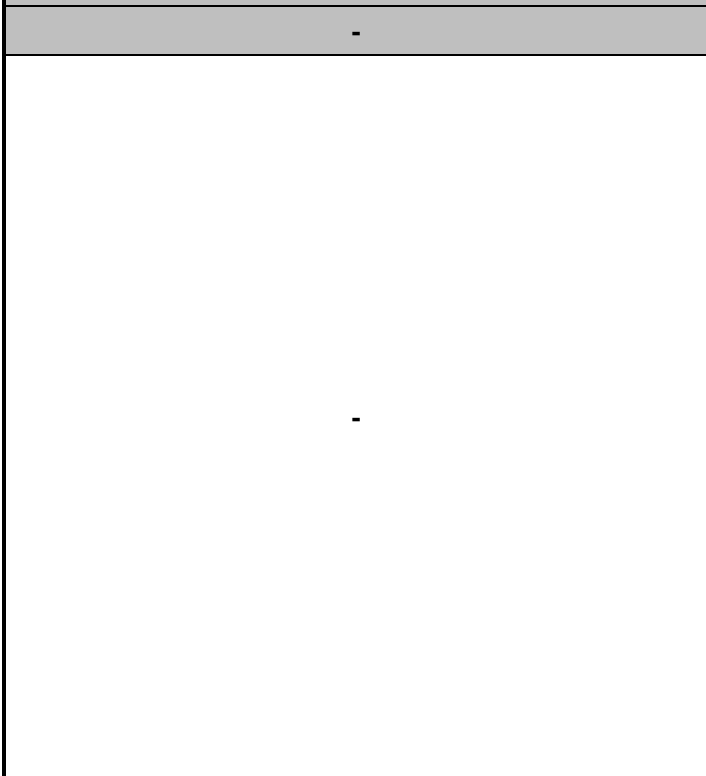
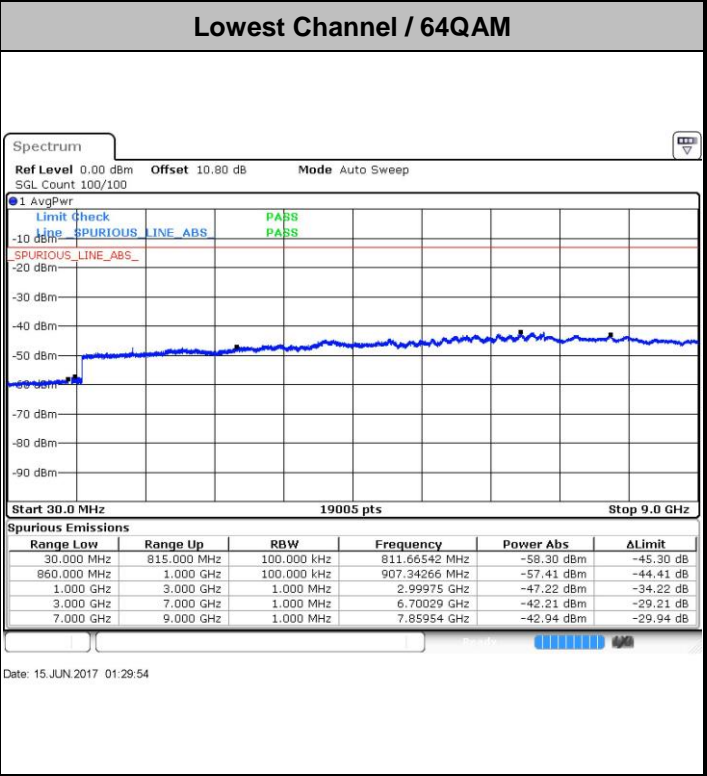
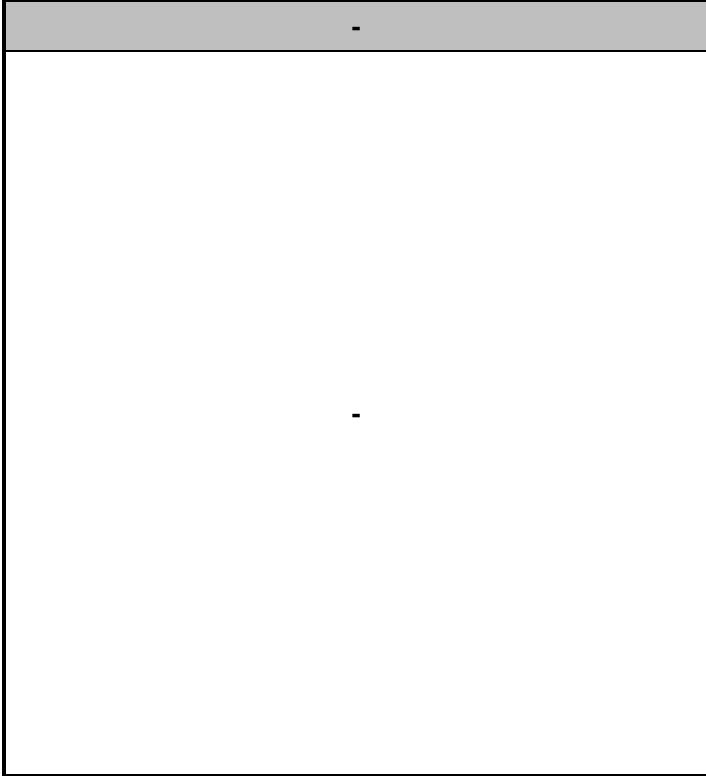




LTE Band 26 / 5MHz



LTE Band 26 / 10MHz

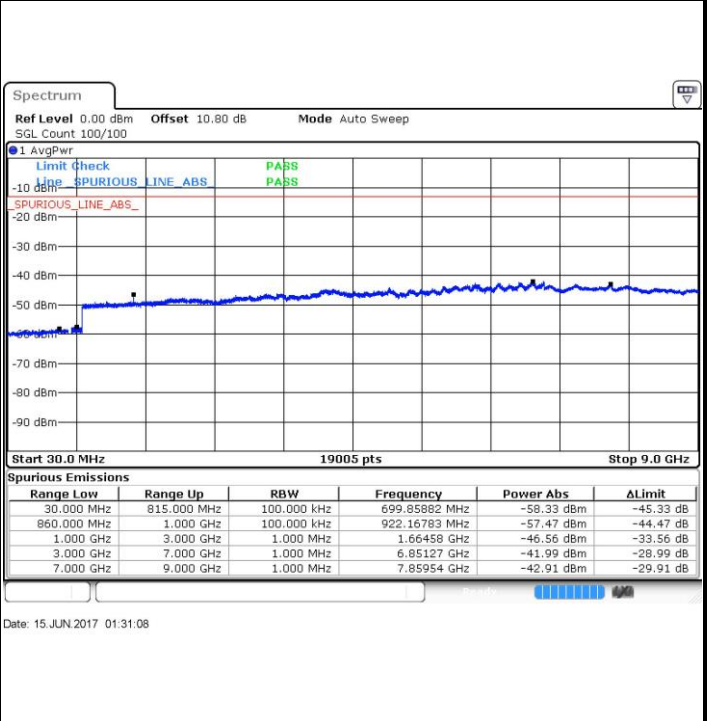




LTE Band 26 / 10MHz

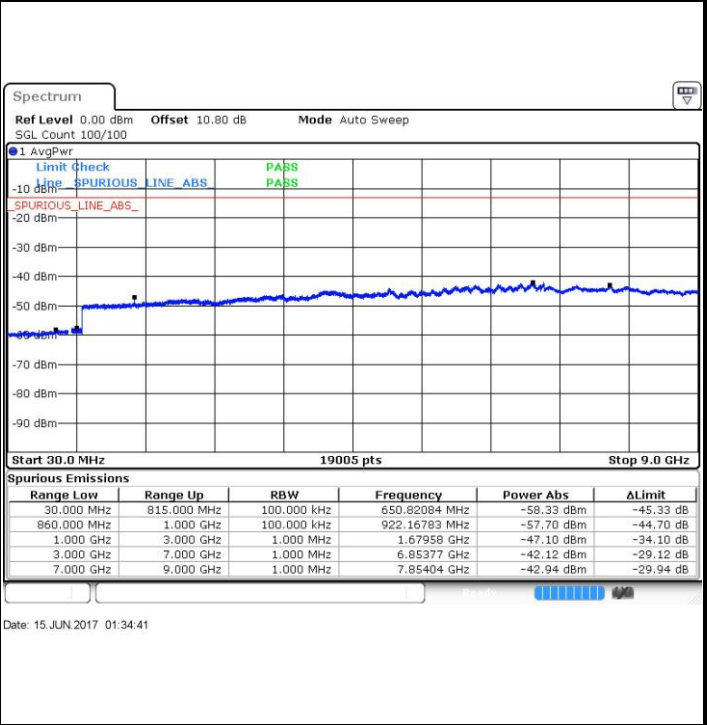
-

Middle Channel / 64QAM



-

Highest Channel / 64QAM

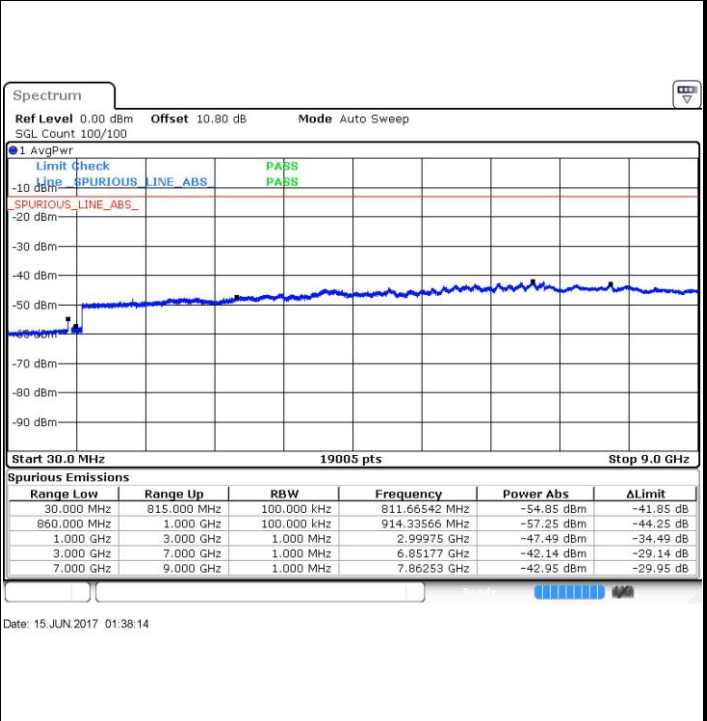




LTE Band 26 / 15MHz

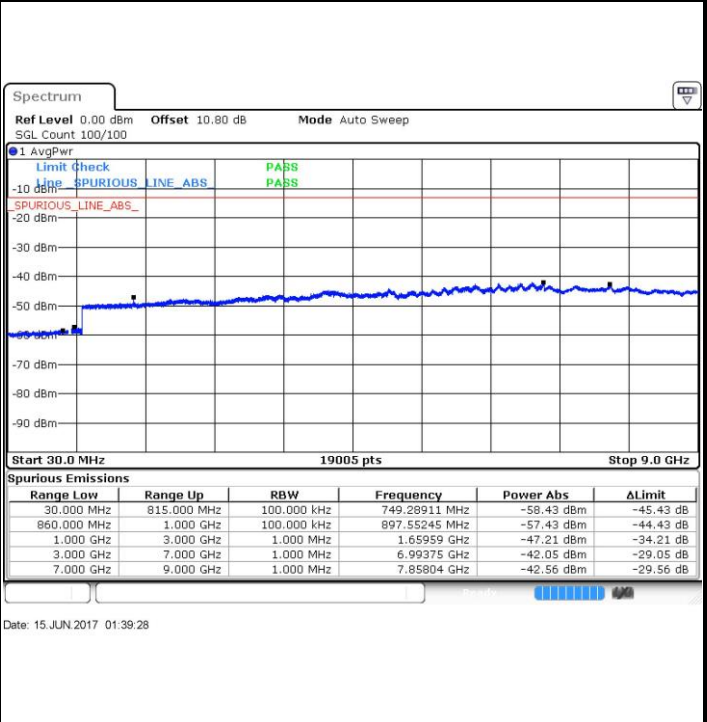
-

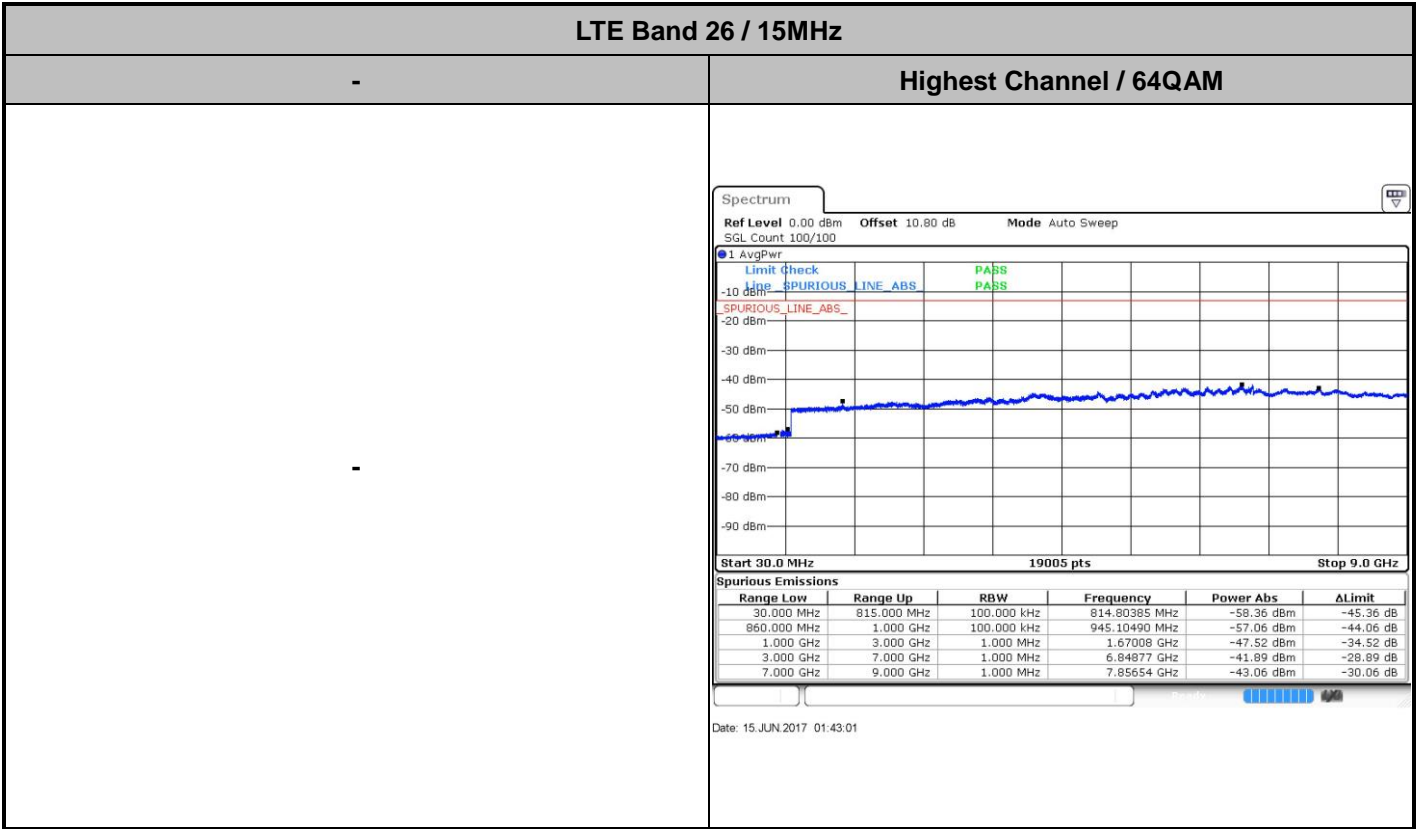
Lowest Channel / 64QAM



-

Middle 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	0.0045	PASS
40	Normal Voltage	0.0060	
30	Normal Voltage	0.0049	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0030	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0154	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 38

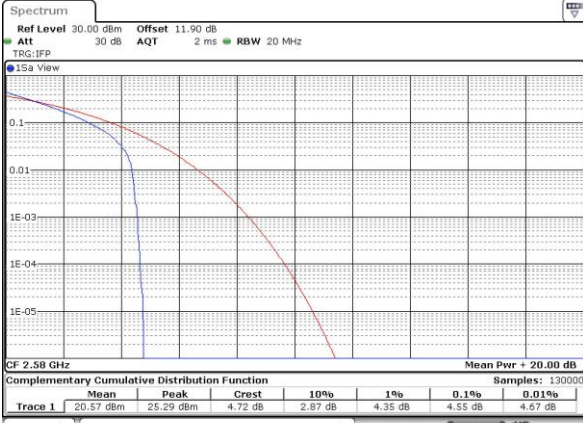
Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.55	5.57	5.74	6.52	PASS
Middle CH	4.72	5.42	5.8	6.55	
Highest CH	4.7	5.28	5.42	6.32	
Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		64QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	5.68	6.61	PASS
Middle CH	-	-	5.57	6.49	
Highest CH	-	-	5.68	6.41	



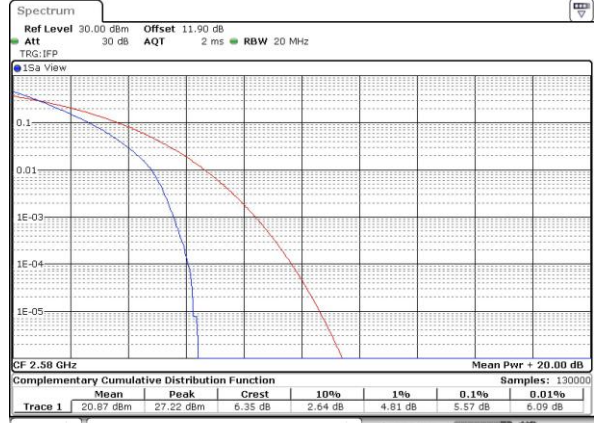
LTE Band 38 / 20MHz / QPSK

Lowest Channel / 1RB



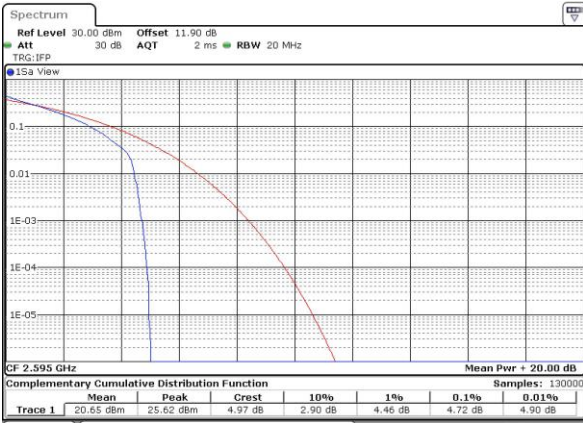
Date: 12 JUN 2017 20:52:32

Lowest Channel / Full RB



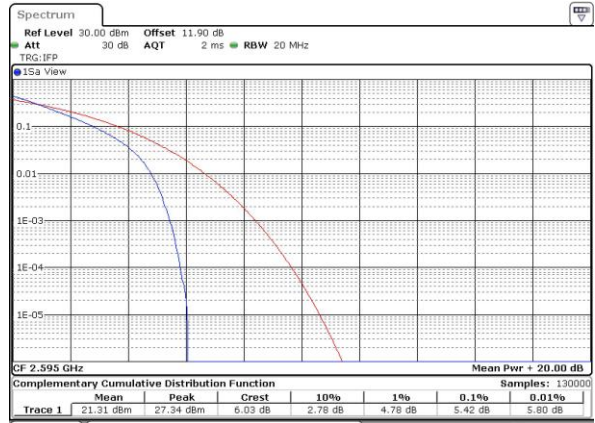
Date: 12 JUN 2017 20:53:28

Middle Channel / 1RB



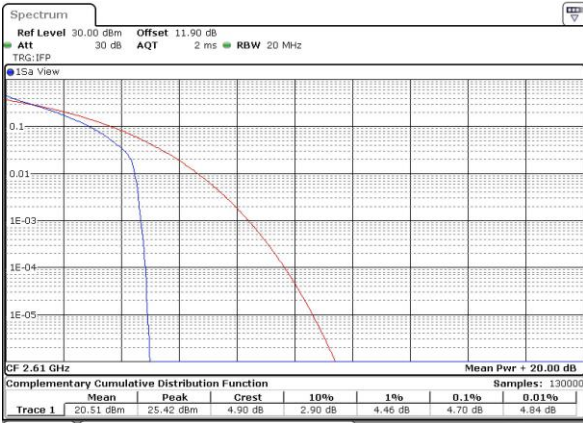
Date: 12 JUN 2017 20:53:46

Middle Channel / Full RB



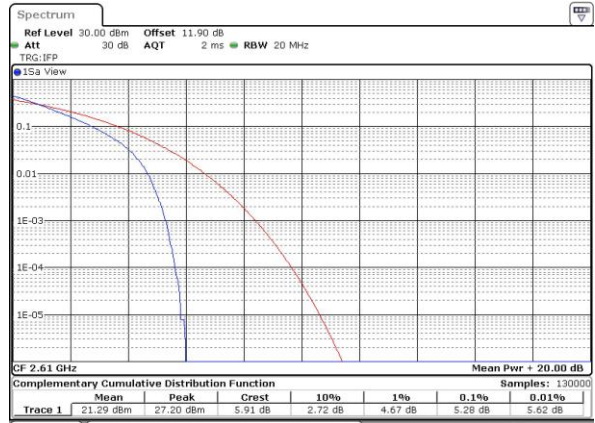
Date: 12 JUN 2017 20:54:01

Highest Channel / 1RB



Date: 12 JUN 2017 20:54:17

Highest Channel / Full RB

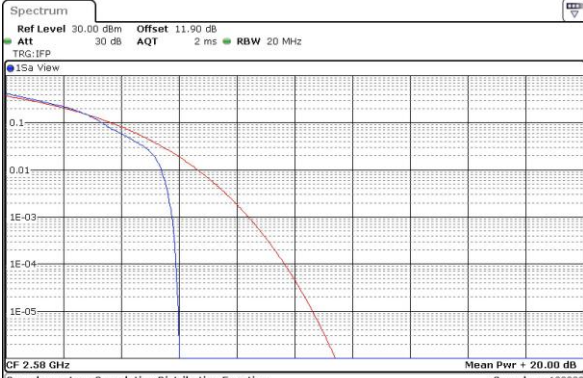


Date: 12 JUN 2017 20:54:37



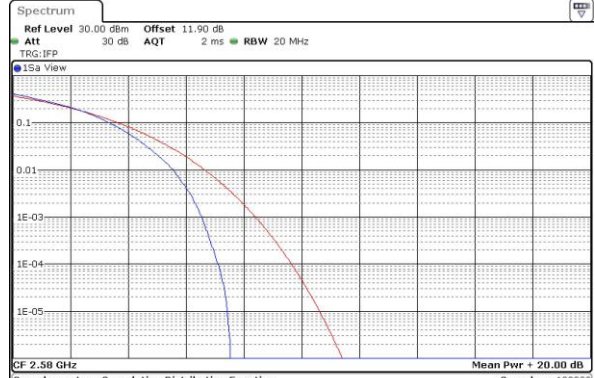
LTE Band 38 / 20MHz / 16QAM

Lowest Channel / 1RB



Date: 12 JUN 2017 20:50:44

Lowest Channel / Full RB



Date: 12 JUN 2017 20:50:59

Middle Channel / 1RB



Date: 12 JUN 2017 20:51:14

Middle Channel / Full RB



Date: 12 JUN 2017 20:51:29

Highest Channel / 1RB



Date: 12 JUN 2017 20:51:44

Highest Channel / Full RB



Date: 12 JUN 2017 20:51:58



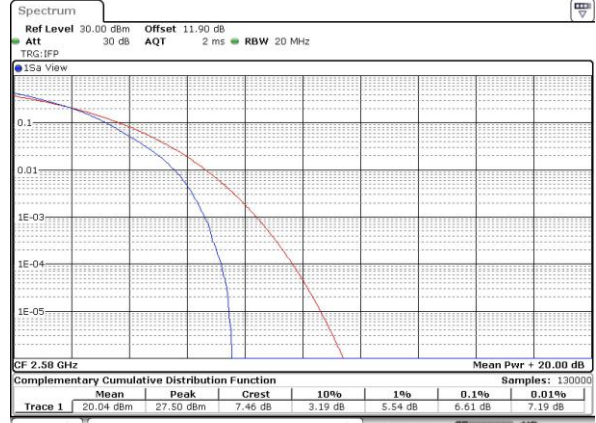
LTE Band 38 / 20MHz / 64QAM

Lowest Channel / 1RB



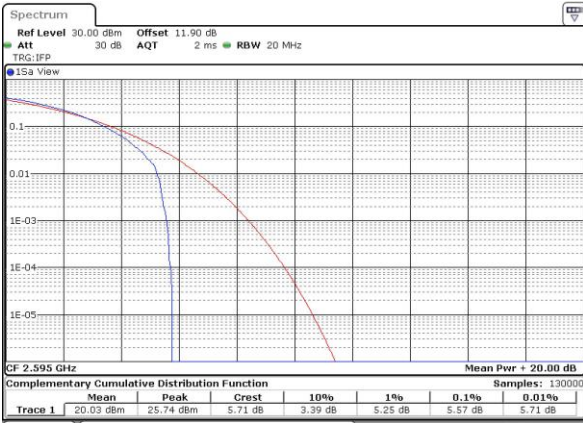
Date: 12 JUN 2017 23:30:36

Lowest Channel / Full RB



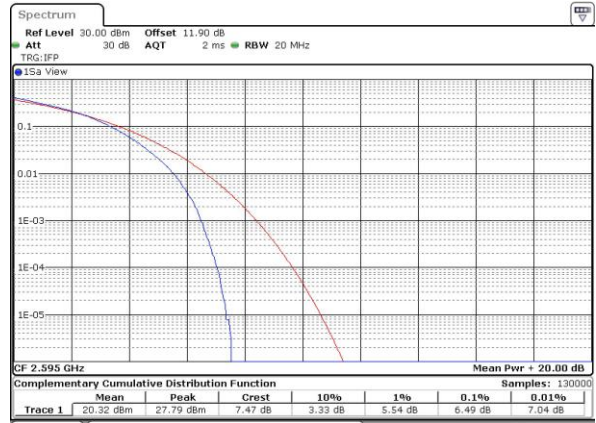
Date: 12 JUN 2017 23:30:59

Middle Channel / 1RB



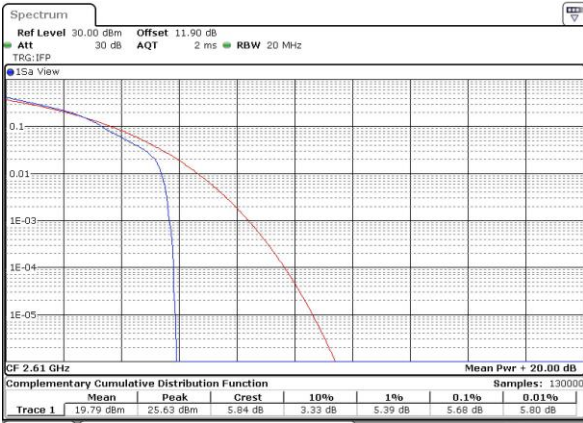
Date: 12 JUN 2017 23:32:47

Middle Channel / Full RB



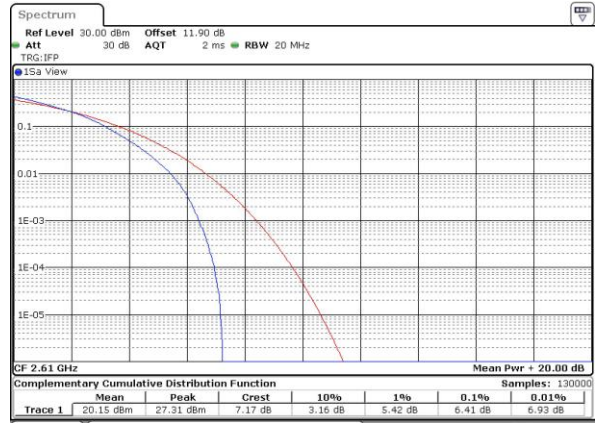
Date: 12 JUN 2017 23:34:05

Highest Channel / 1RB



Date: 12 JUN 2017 23:36:28

Highest Channel / Full RB



Date: 12 JUN 2017 23:36:43



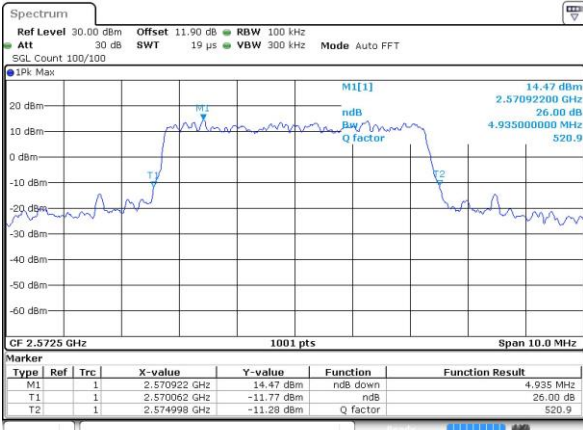
26dB Bandwidth

Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.935	5.005	9.63	9.67	14.386	14.236	20.18	20.5
Middle CH	-	-	-	-	4.835	4.945	9.63	9.69	14.505	14.176	20.38	20.34
Highest CH	-	-	-	-	4.715	4.905	9.81	9.73	14.266	14.535	20.14	20.06
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	64QAM	QPSK	64QAM	QPSK	64QAM	QPSK	64QAM	QPSK	64QAM	QPSK	64QAM
Lowest CH	-	-	-	-	-	4.845	-	9.91	-	14.176	-	20.18
Middle CH	-	-	-	-	-	4.775	-	9.73	-	14.236	-	20.38
Highest CH	-	-	-	-	-	4.815	-	9.71	-	14.116	-	20.26



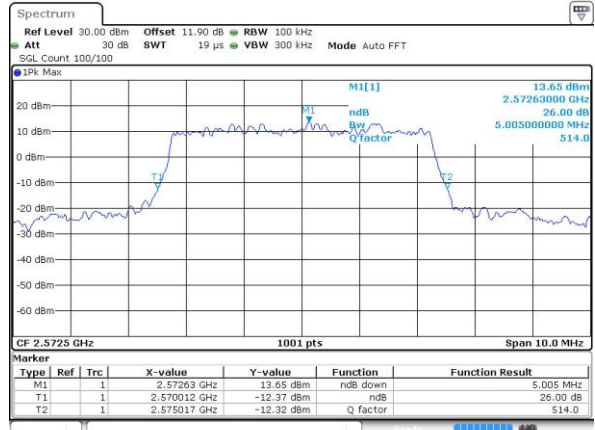
LTE Band 38

Lowest Channel / 5MHz / QPSK



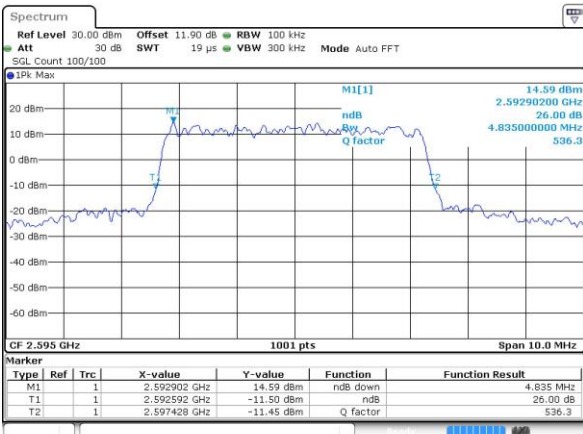
Date: 12 JUN 2017 20:39:31

Lowest Channel / 5MHz / 16QAM



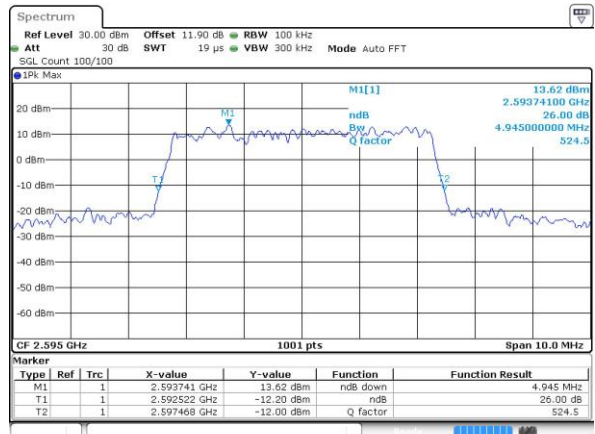
Date: 12 JUN 2017 20:39:42

Middle Channel / 5MHz / QPSK



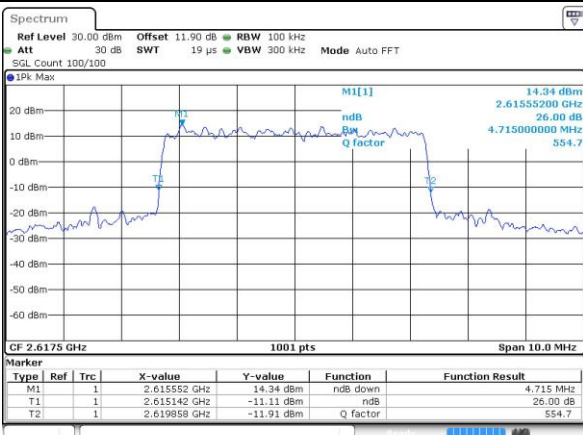
Date: 12 JUN 2017 20:40:13

Middle Channel / 5MHz / 16QAM



Date: 12 JUN 2017 20:40:24

Highest Channel / 5MHz / QPSK



Date: 12 JUN 2017 20:40:56

Highest Channel / 5MHz / 16QAM

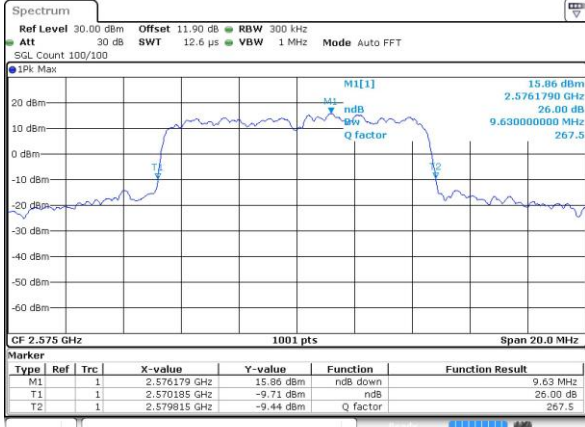


Date: 12 JUN 2017 20:41:06



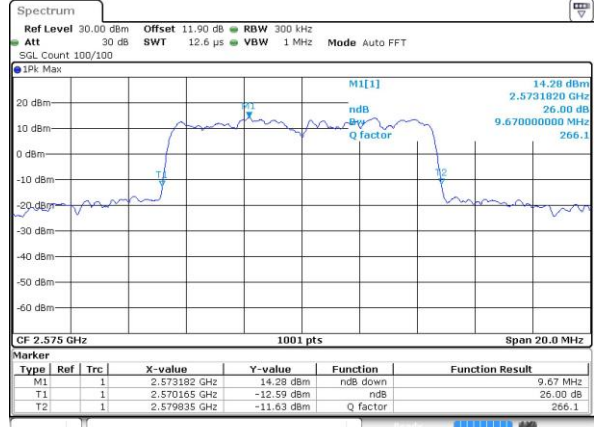
LTE Band 38

Lowest Channel / 10MHz / QPSK



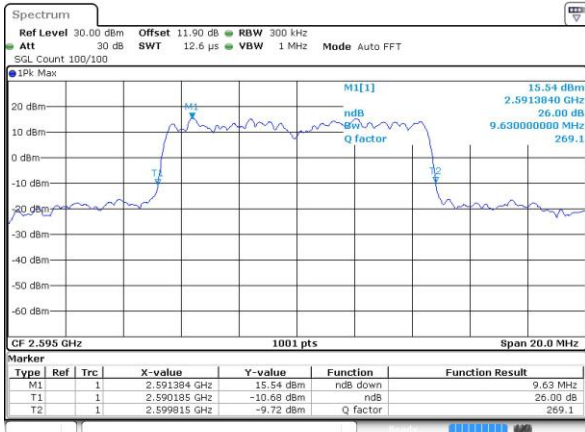
Date: 12 JUN 2017 20:41:38

Lowest Channel / 10MHz / 16QAM



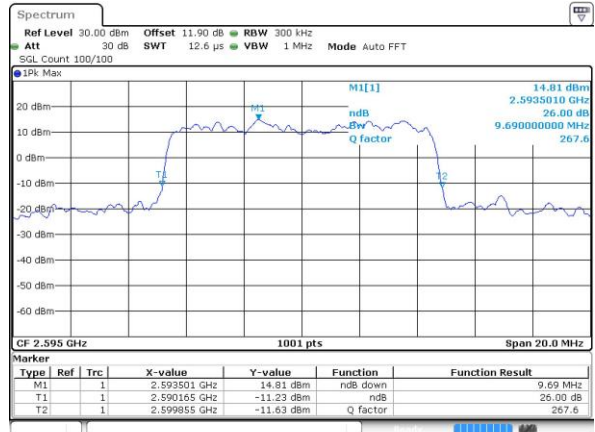
Date: 12 JUN 2017 20:41:48

Middle Channel / 10MHz / QPSK



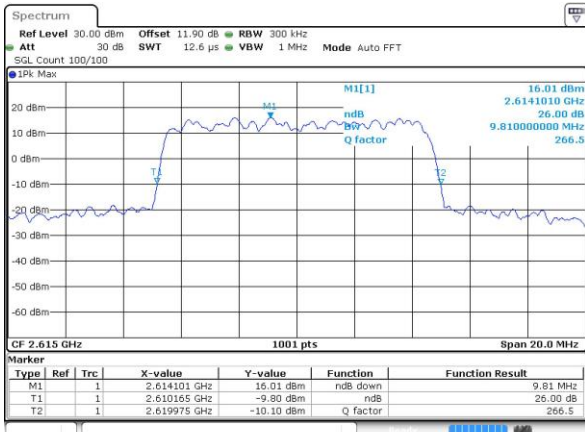
Date: 12 JUN 2017 20:42:20

Middle Channel / 10MHz / 16QAM



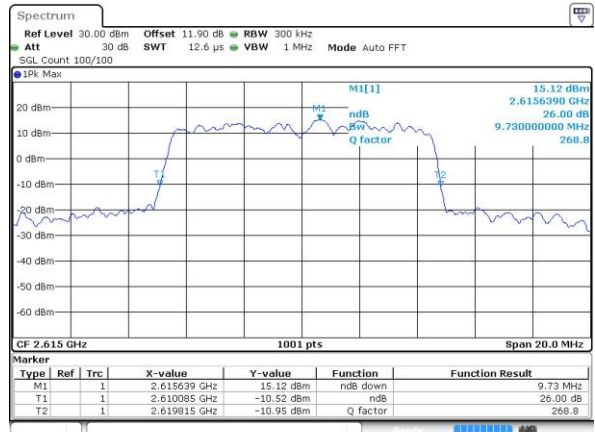
Date: 12 JUN 2017 20:42:30

Highest Channel / 10MHz / QPSK



Date: 12 JUN 2017 20:43:02

Highest Channel / 10MHz / 16QAM

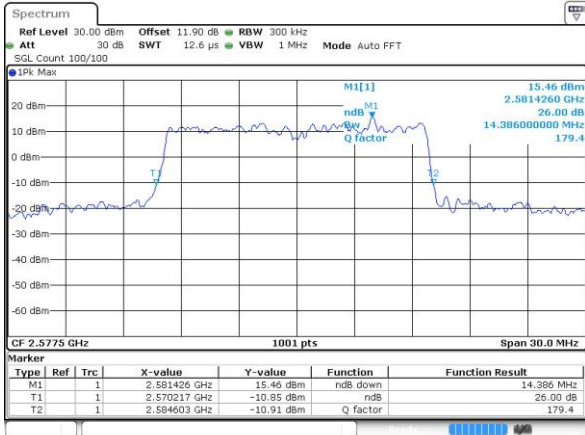


Date: 12 JUN 2017 20:43:12



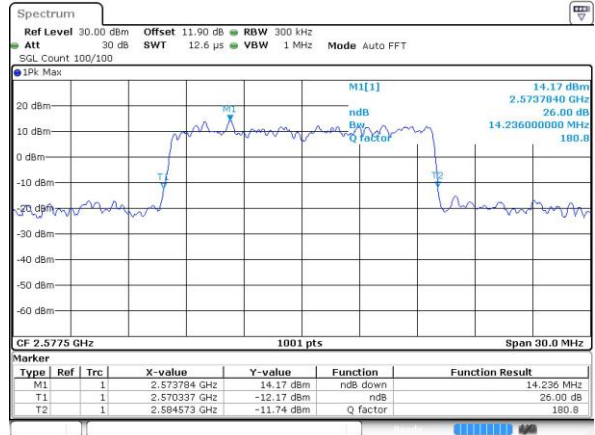
LTE Band 38

Lowest Channel / 15MHz / QPSK



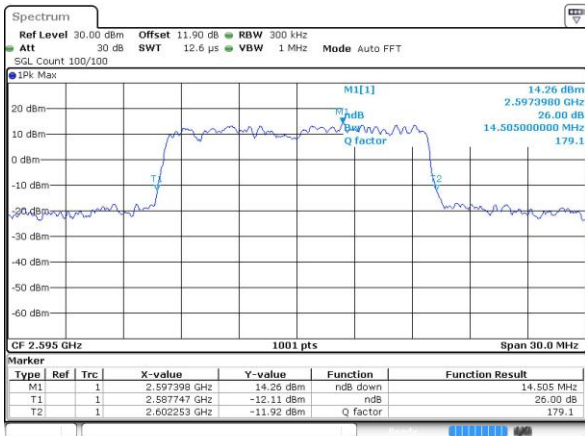
Date: 12 JUN 2017 20:43:44

Lowest Channel / 15MHz / 16QAM



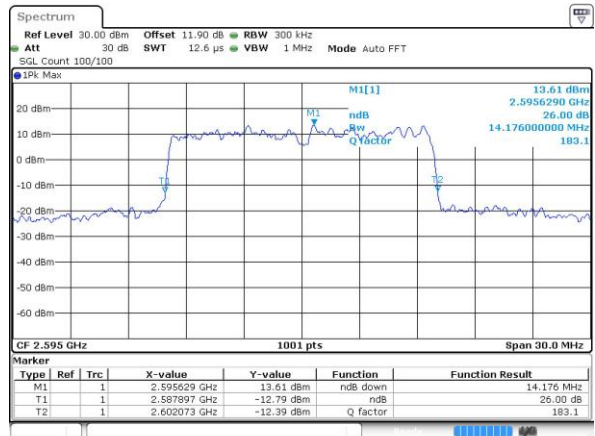
Date: 12 JUN 2017 20:43:55

Middle Channel / 15MHz / QPSK



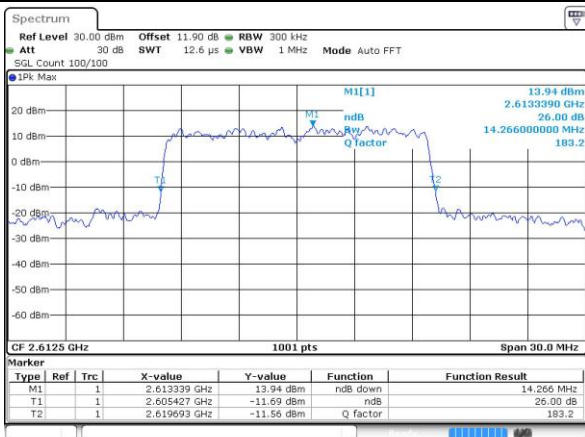
Date: 12 JUN 2017 20:44:26

Middle Channel / 15MHz / 16QAM



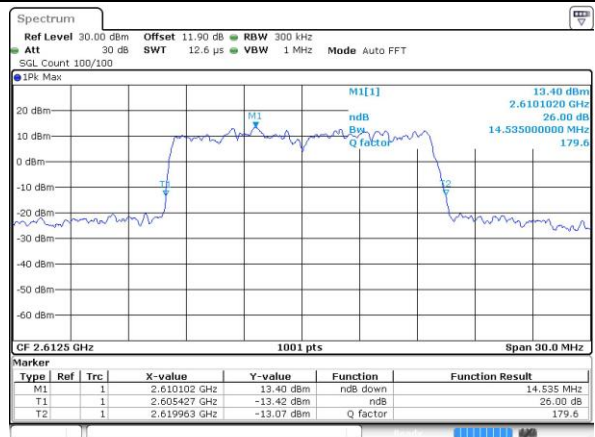
Date: 12 JUN 2017 20:44:37

Highest Channel / 15MHz / QPSK



Date: 12 JUN 2017 20:45:08

Highest Channel / 15MHz / 16QAM

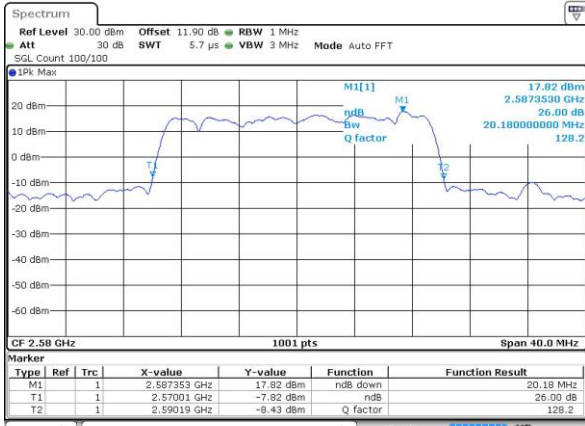


Date: 12 JUN 2017 20:45:19



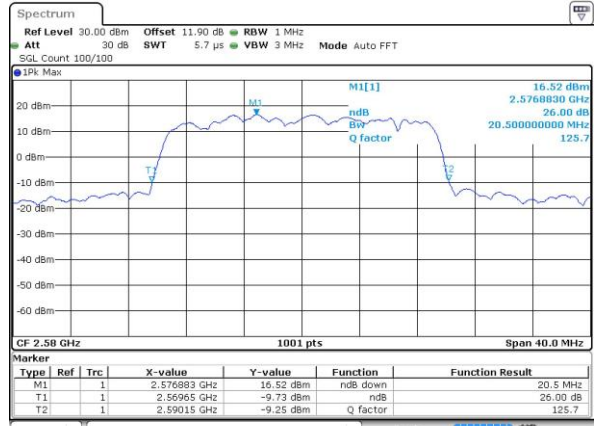
LTE Band 38

Lowest Channel / 20MHz / QPSK



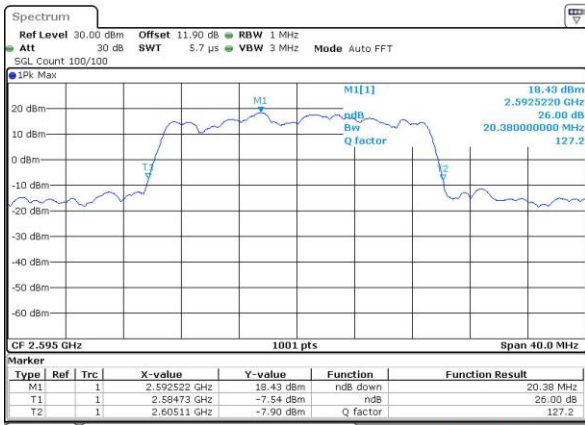
Date: 12 JUN 2017 20:45:50

Lowest Channel / 20MHz / 16QAM



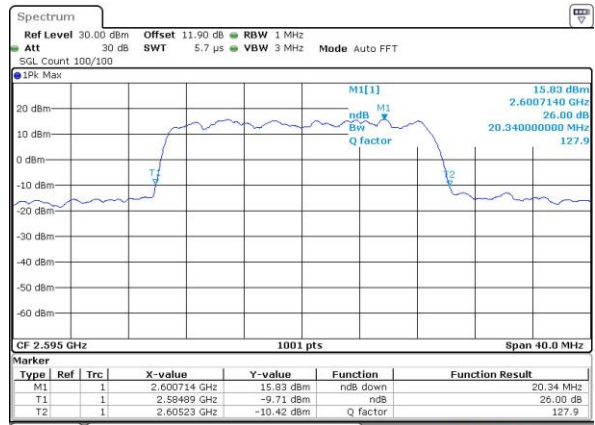
Date: 12 JUN 2017 20:46:01

Middle Channel / 20MHz / QPSK



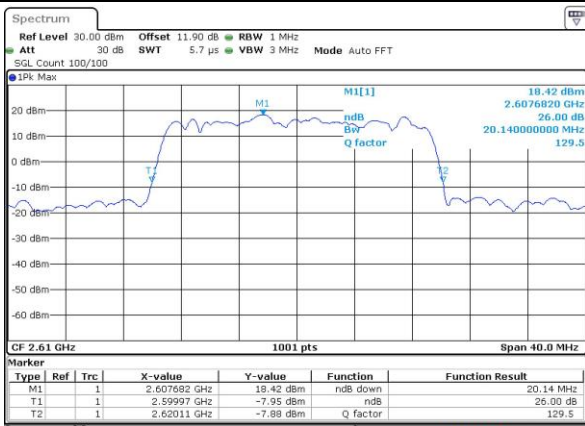
Date: 12 JUN 2017 20:46:32

Middle Channel / 20MHz / 16QAM



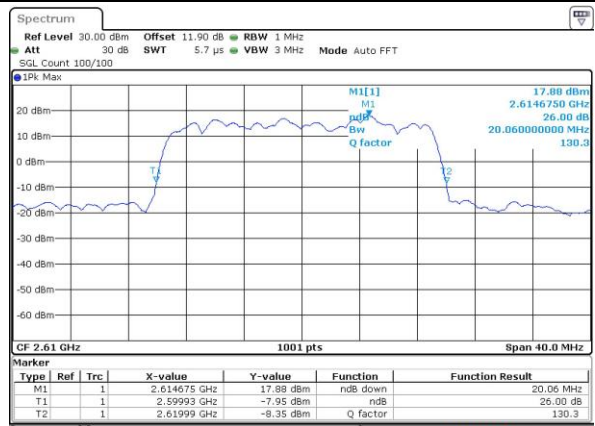
Date: 12 JUN 2017 20:46:43

Highest Channel / 20MHz / QPSK



Date: 12 JUN 2017 20:47:15

Highest Channel / 20MHz / 16QAM

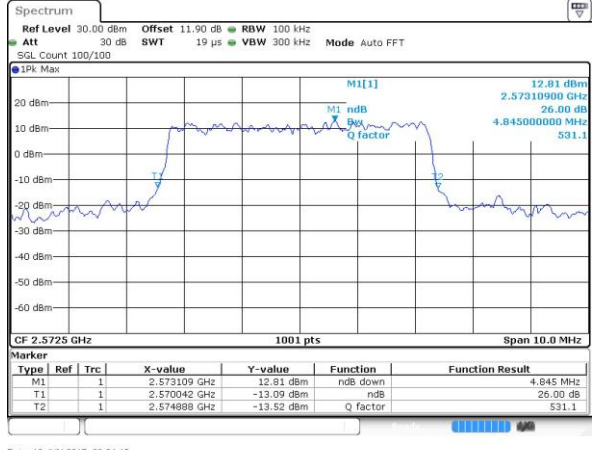


Date: 12 JUN 2017 20:47:25



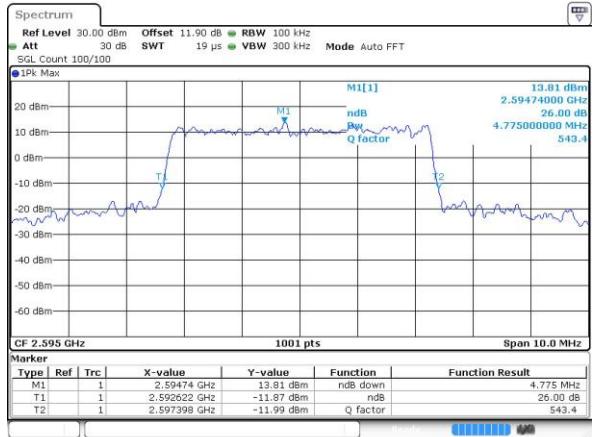
LTE Band 38

Lowest Channel / 5MHz / 64QAM



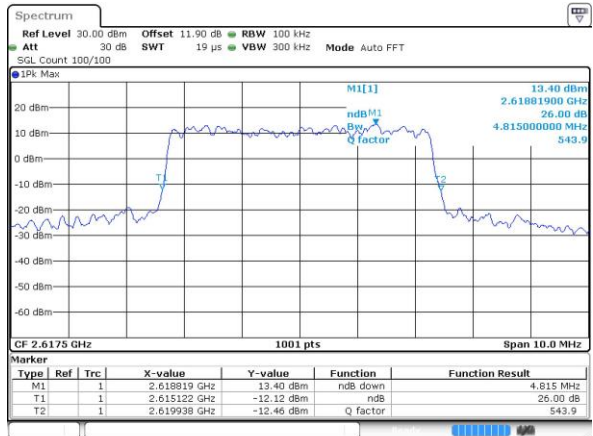
Date: 12 JUN 2017 23:24:15

Middle Channel / 5MHz / 64QAM



Date: 12 JUN 2017 23:24:36

Highest Channel / 5MHz / 64QAM

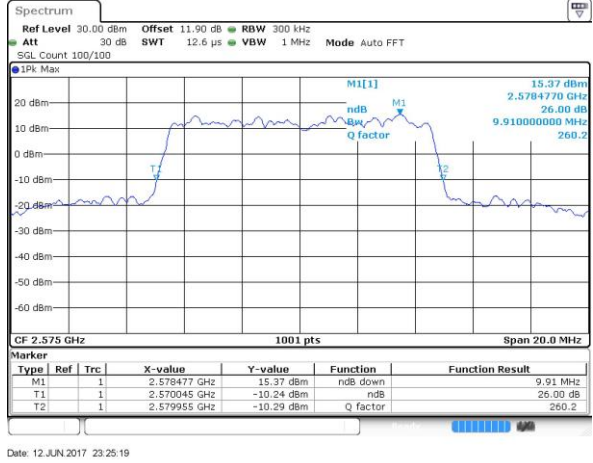


Date: 12 JUN 2017 23:24:58

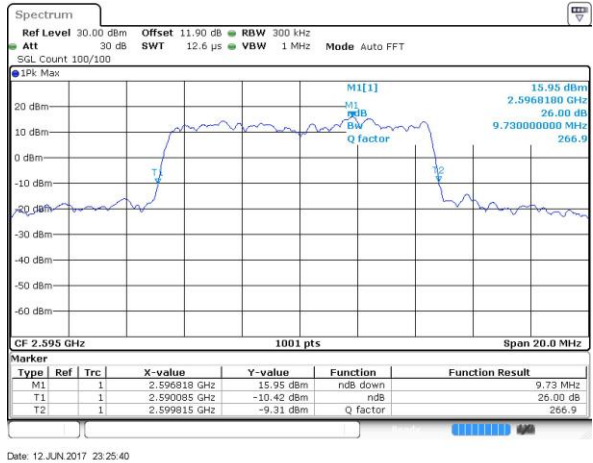


LTE Band 38

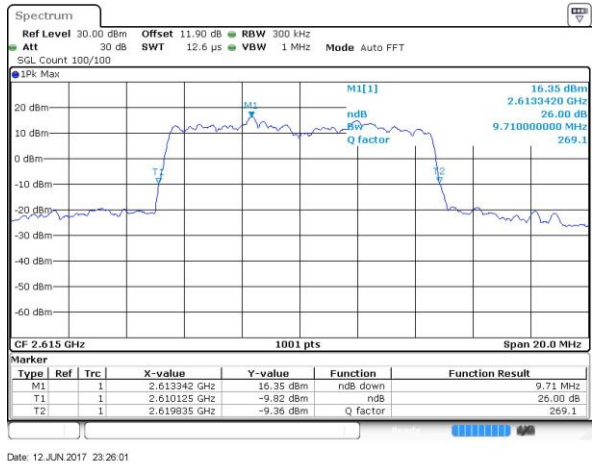
Lowest Channel / 10MHz / 64QAM



Middle Channel / 10MHz / 64QAM



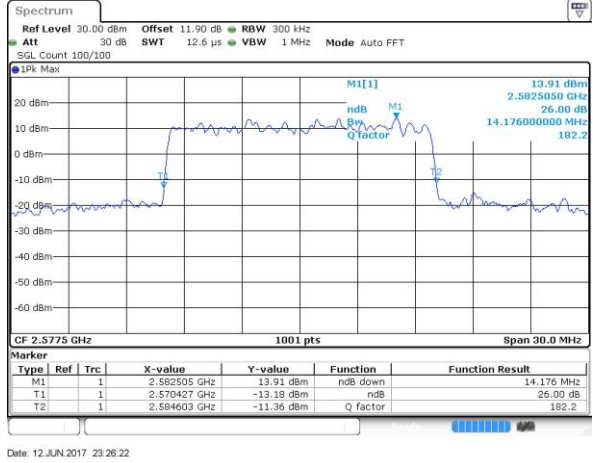
Highest Channel / 10MHz / 64QAM



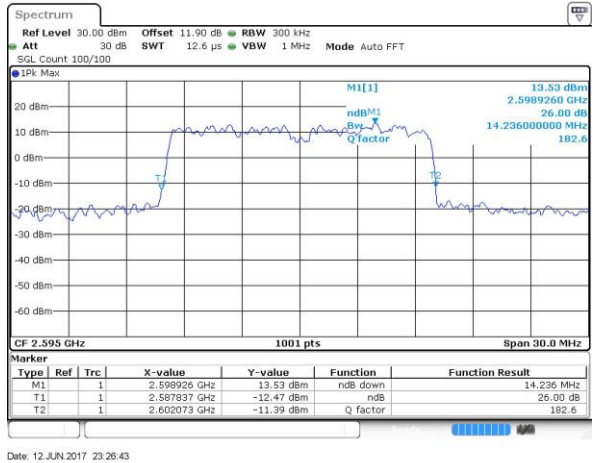


LTE Band 38

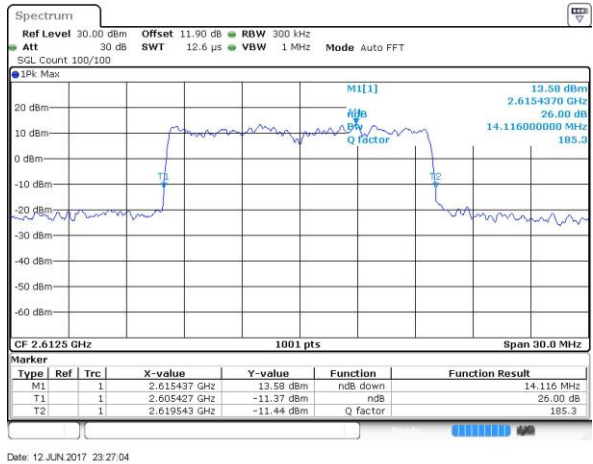
Lowest Channel / 15MHz / 64QAM



Middle Channel / 15MHz / 64QAM



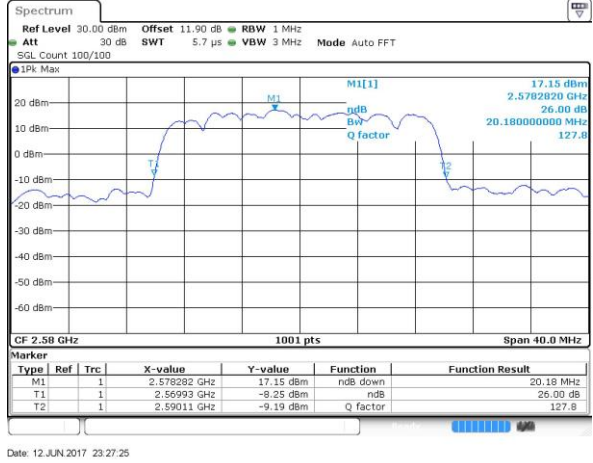
Highest Channel / 15MHz / 64QAM





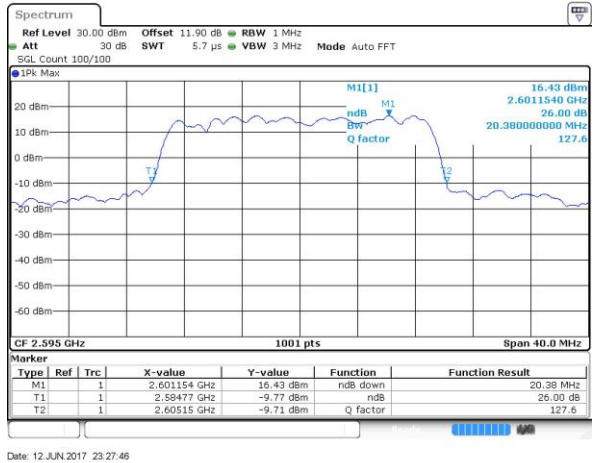
LTE Band 38

Lowest Channel / 20MHz / 64QAM



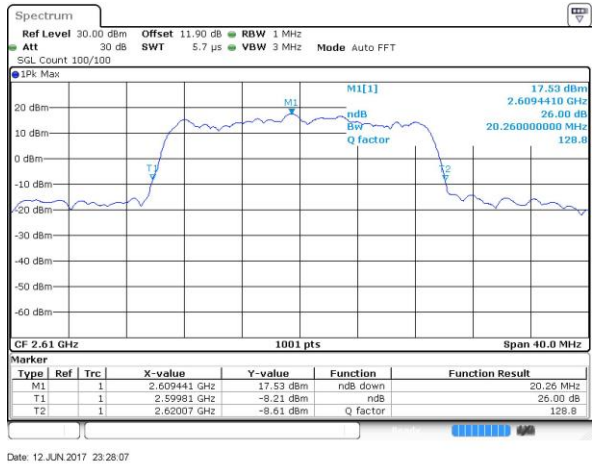
Date: 12 JUN 2017 23:27:25

Middle Channel / 20MHz / 64QAM



Date: 12 JUN 2017 23:27:46

Highest Channel / 20MHz / 64QAM



Date: 12 JUN 2017 23:28:07



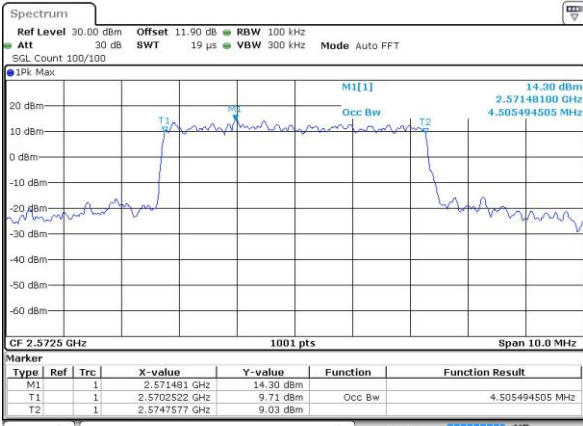
Occupied Bandwidth

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	-	-	-	-	4.51	4.51	9.05	9.07	13.46	13.4	18.38	18.34
Middle CH	-	-	-	-	4.5	4.49	9.01	9.03	13.55	13.37	18.42	18.38
Highest CH	-	-	-	-	4.49	4.49	9.01	9.01	13.4	13.4	18.42	18.1
Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	64QAM	QPSK	64QAM	QPSK	64QAM	QPSK	64QAM	QPSK	64QAM	QPSK	64QAM
Lowest CH	-	-	-	-	-	4.47	-	9.07	-	13.34	-	18.38
Middle CH	-	-	-	-	-	4.51	-	9.07	-	13.43	-	18.54
Highest CH	-	-	-	-	-	4.48	-	8.99	-	13.46	-	18.22



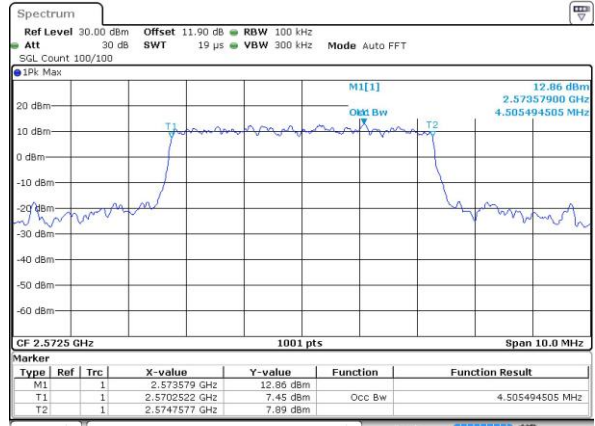
LTE Band 38

Lowest Channel / 5MHz / QPSK



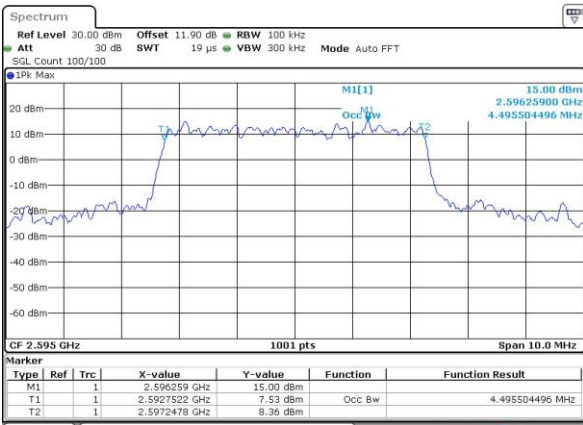
Date: 12 JUN 2017 20:39:10

Lowest Channel / 5MHz / 16QAM



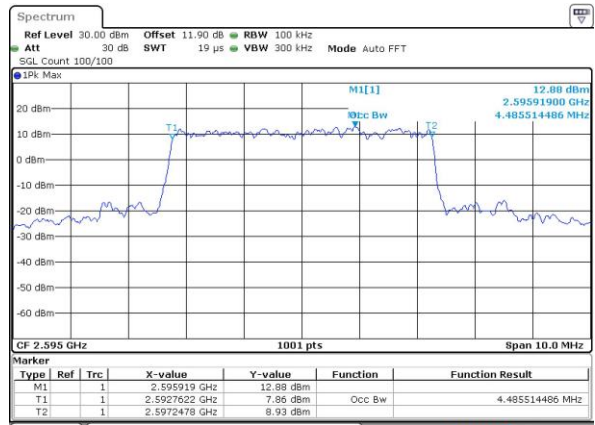
Date: 12 JUN 2017 20:39:20

Middle Channel / 5MHz / QPSK



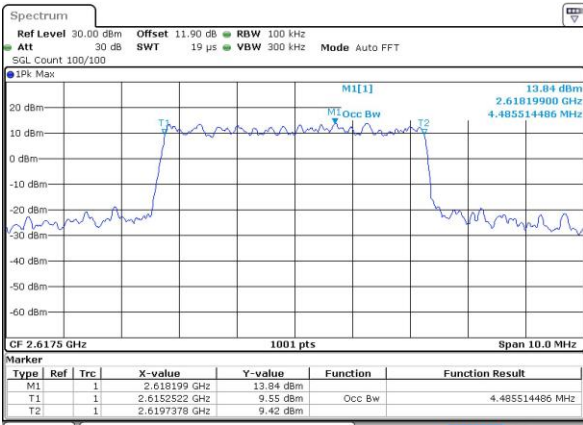
Date: 12 JUN 2017 20:39:52

Middle Channel / 5MHz / 16QAM



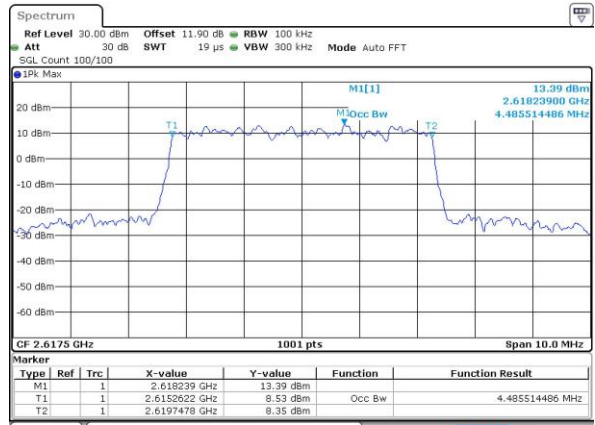
Date: 12 JUN 2017 20:40:03

Highest Channel / 5MHz / QPSK



Date: 12 JUN 2017 20:40:34

Highest Channel / 5MHz / 16QAM

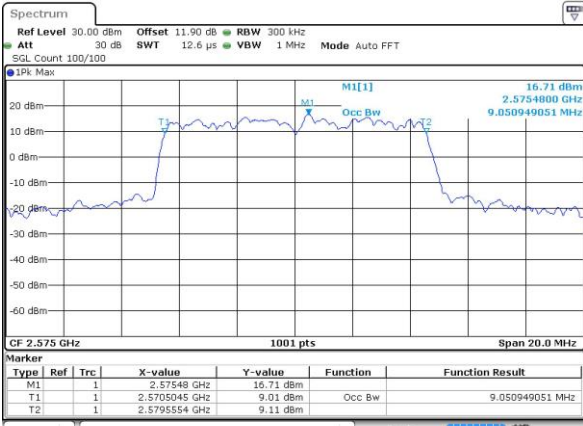


Date: 12 JUN 2017 20:40:45



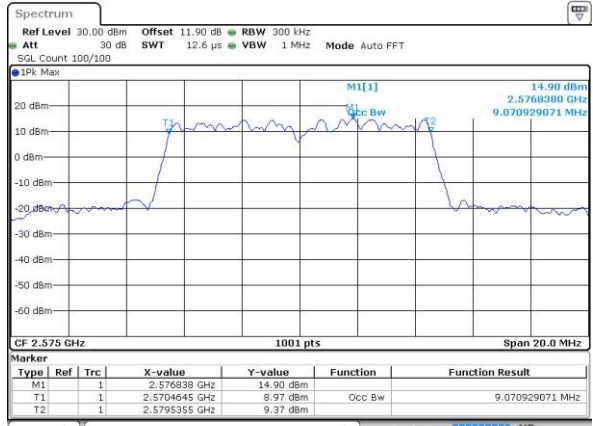
LTE Band 38

Lowest Channel / 10MHz / QPSK



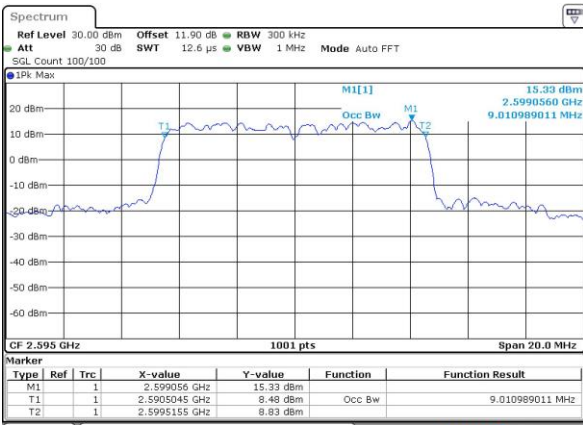
Date: 12 JUN 2017 20:41:17

Lowest Channel / 10MHz / 16QAM



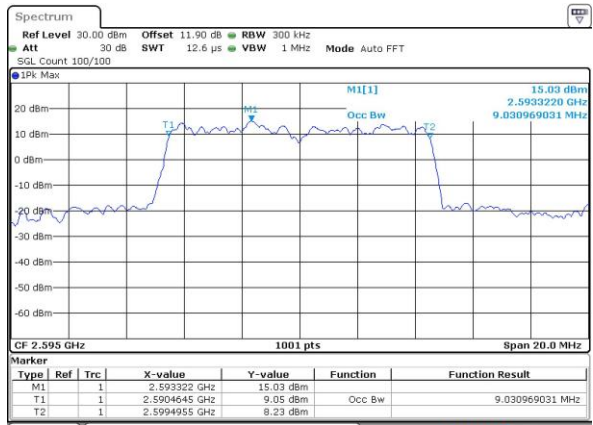
Date: 12 JUN 2017 20:41:27

Middle Channel / 10MHz / QPSK



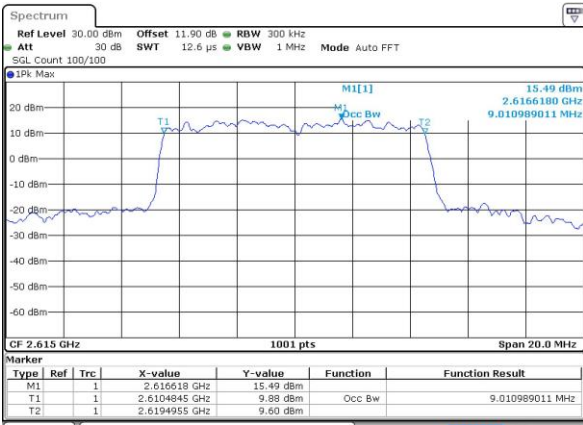
Date: 12 JUN 2017 20:41:59

Middle Channel / 10MHz / 16QAM



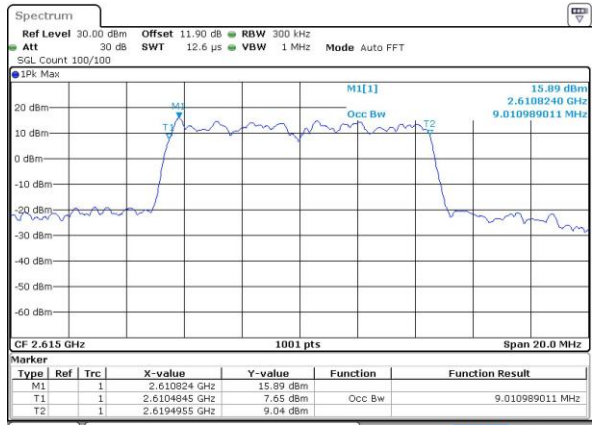
Date: 12 JUN 2017 20:42:09

Highest Channel / 10MHz / QPSK



Date: 12 JUN 2017 20:42:41

Highest Channel / 10MHz / 16QAM

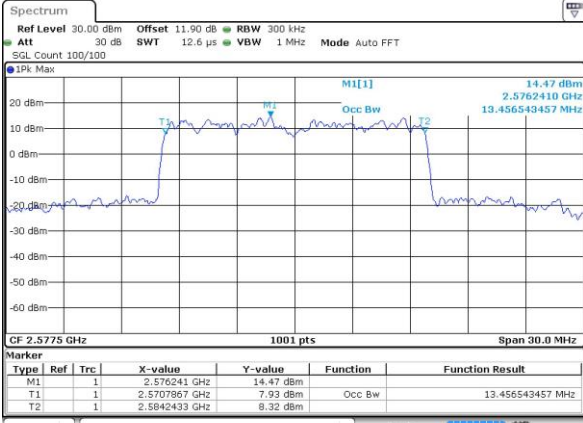


Date: 12 JUN 2017 20:42:51



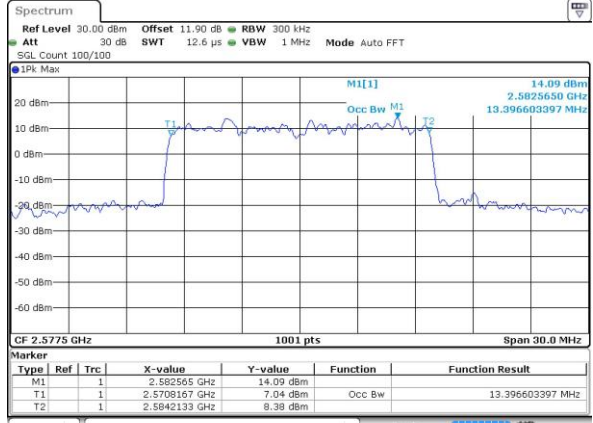
LTE Band 38

Lowest Channel / 15MHz / QPSK



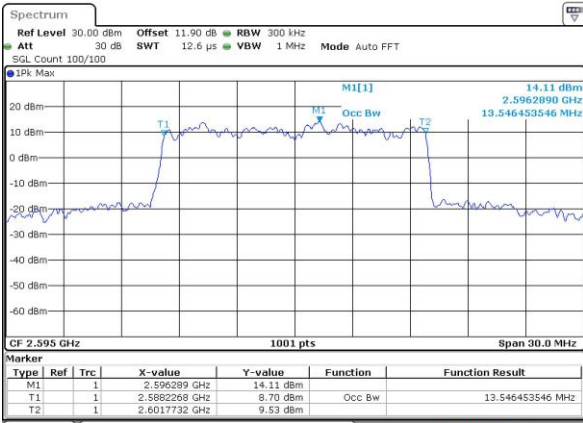
Date: 12 JUN 2017 20:43:23

Lowest Channel / 15MHz / 16QAM



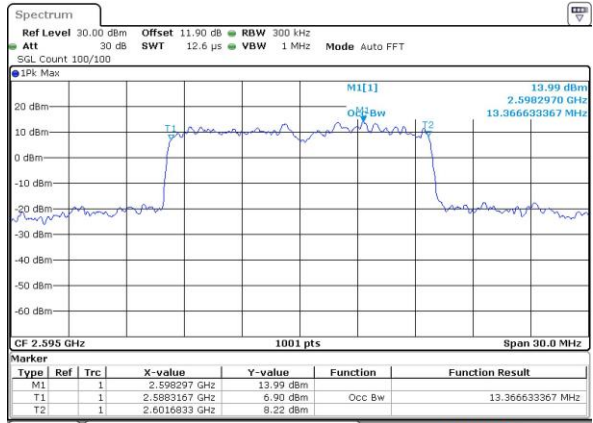
Date: 12 JUN 2017 20:43:34

Middle Channel / 15MHz / QPSK



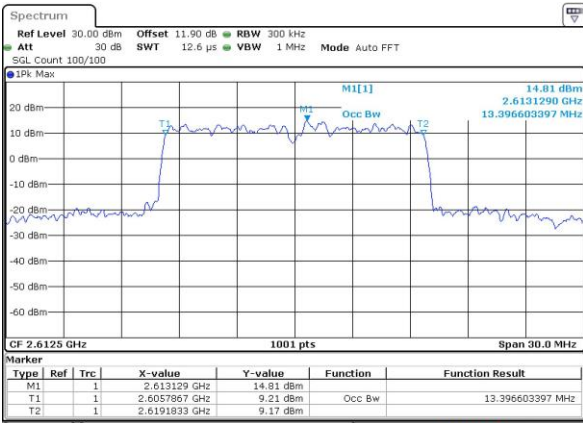
Date: 12 JUN 2017 20:44:05

Middle Channel / 15MHz / 16QAM



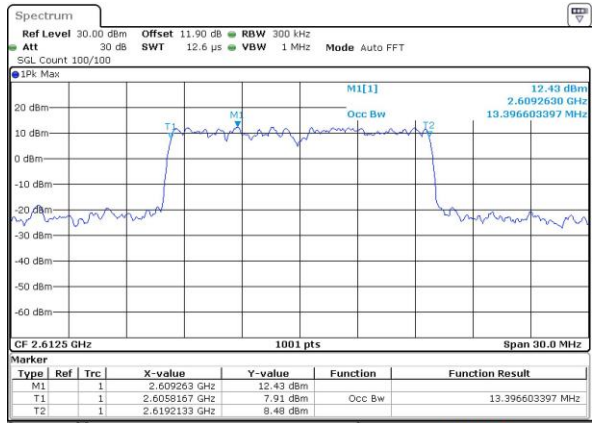
Date: 12 JUN 2017 20:44:16

Highest Channel / 15MHz / QPSK



Date: 12 JUN 2017 20:44:47

Highest Channel / 15MHz / 16QAM

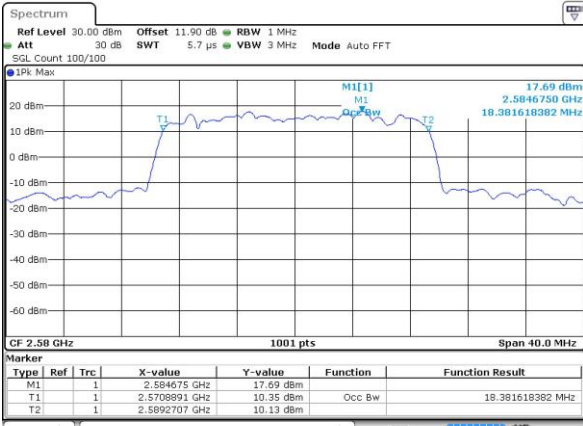


Date: 12 JUN 2017 20:44:58



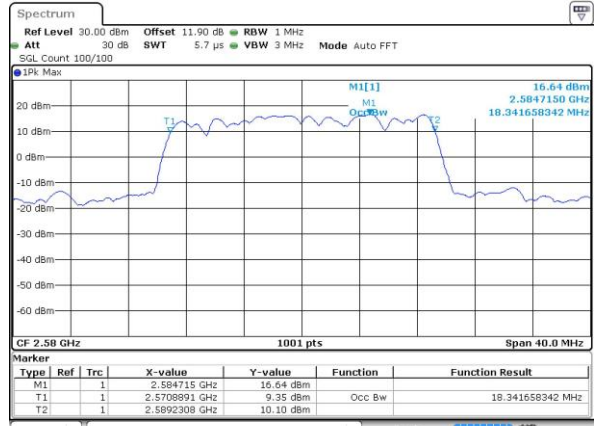
LTE Band 38

Lowest Channel / 20MHz / QPSK



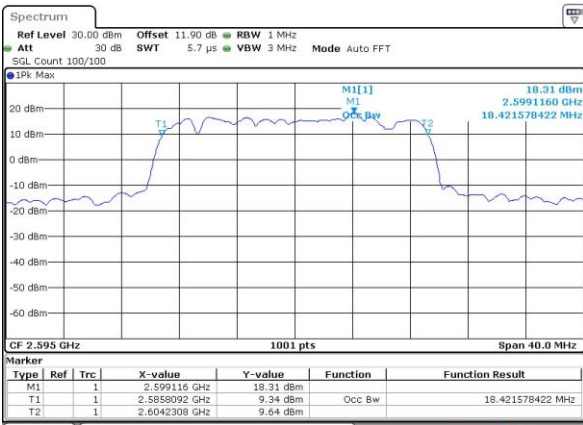
Date: 12 JUN 2017 20:45:29

Lowest Channel / 20MHz / 16QAM



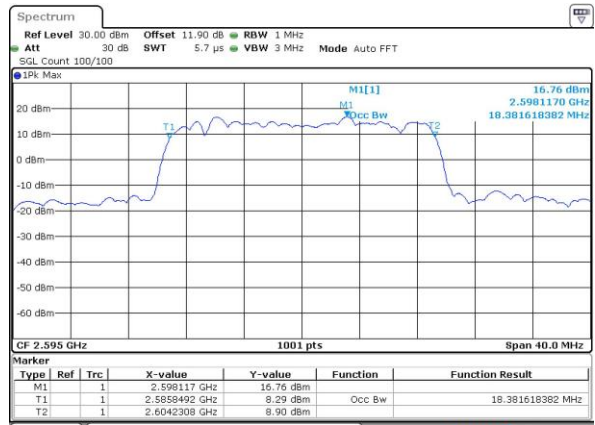
Date: 12 JUN 2017 20:45:40

Middle Channel / 20MHz / QPSK



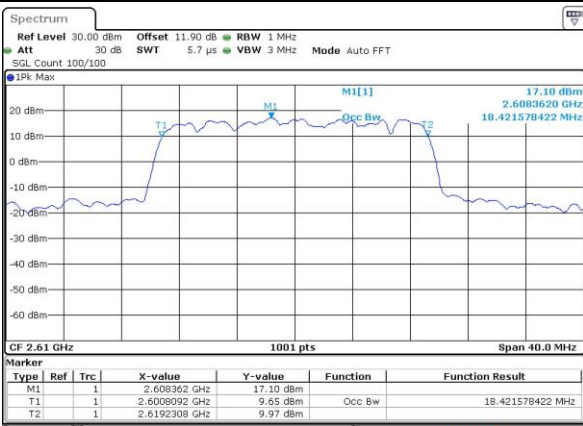
Date: 12 JUN 2017 20:46:11

Middle Channel / 20MHz / 16QAM



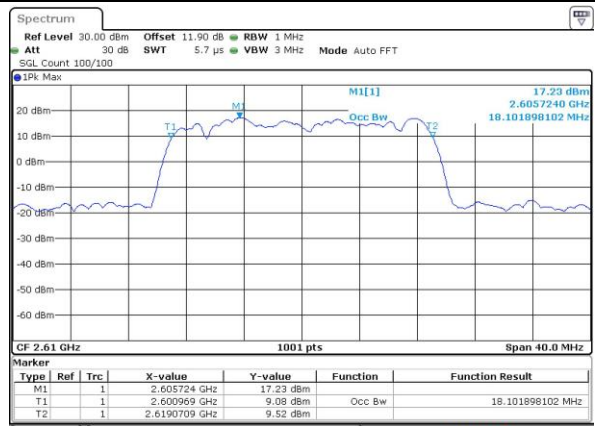
Date: 12 JUN 2017 20:46:22

Highest Channel / 20MHz / QPSK



Date: 12 JUN 2017 20:46:53

Highest Channel / 20MHz / 16QAM

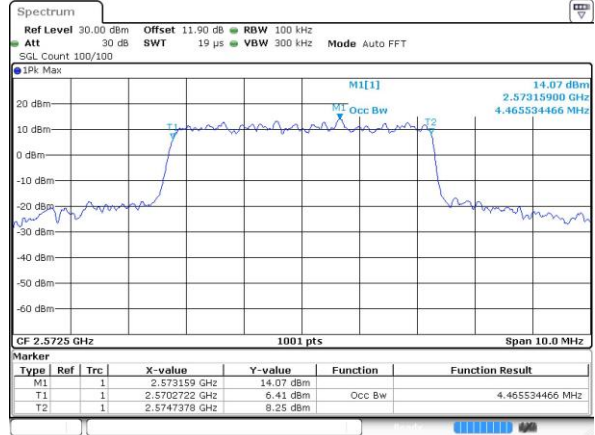


Date: 12 JUN 2017 20:47:04



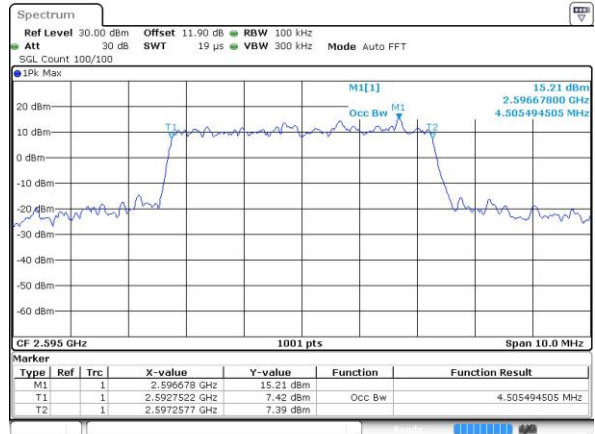
LTE Band 38

Lowest Channel / 5MHz / 64QAM



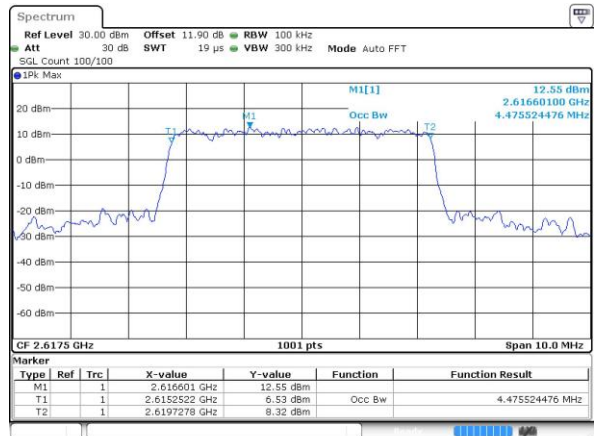
Date: 12 JUN 2017 23:24:05

Middle Channel / 5MHz / 64QAM



Date: 12 JUN 2017 23:24:26

Highest Channel / 5MHz / 64QAM

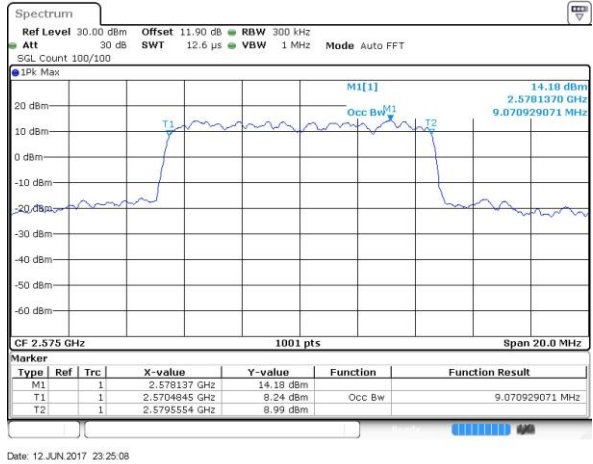


Date: 12 JUN 2017 23:24:47

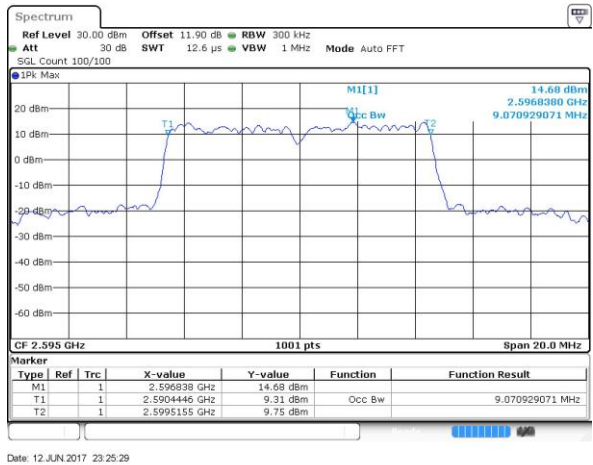


LTE Band 38

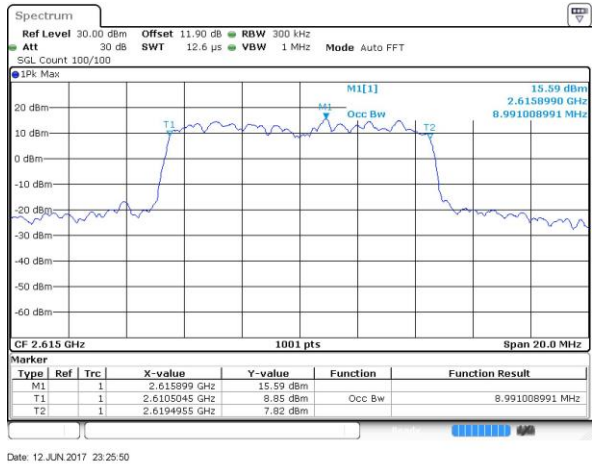
Lowest Channel / 10MHz / 64QAM



Middle Channel / 10MHz / 64QAM



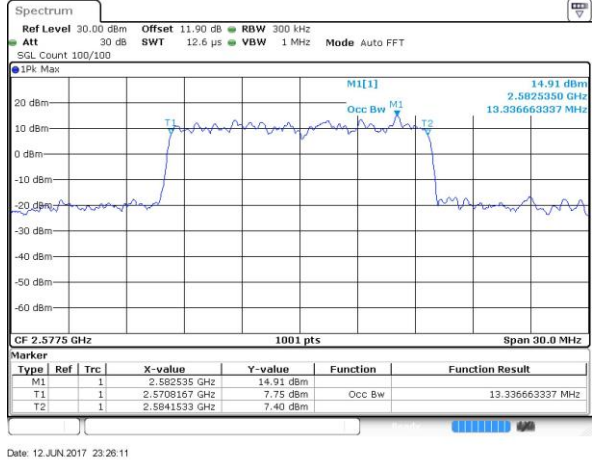
Highest Channel / 10MHz / 64QAM





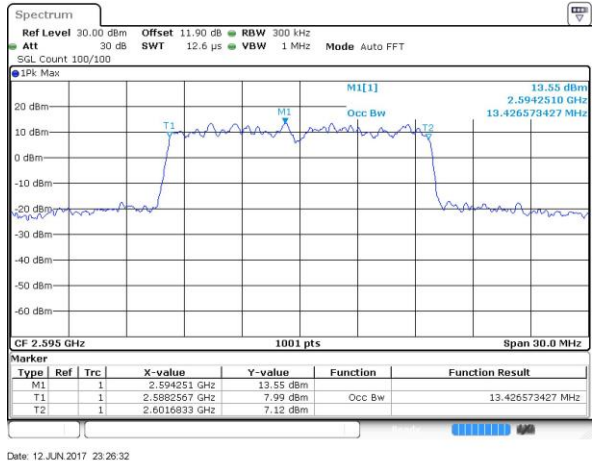
LTE Band 38

Lowest Channel / 15MHz / 64QAM



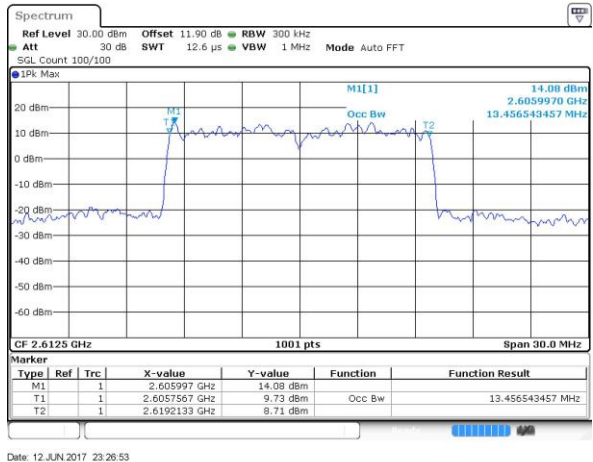
Date: 12 JUN 2017 23:26:11

Middle Channel / 15MHz / 64QAM



Date: 12 JUN 2017 23:26:32

Highest Channel / 15MHz / 64QAM



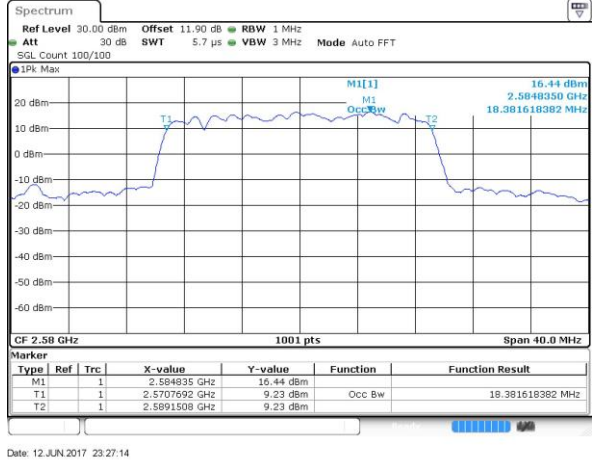
Date: 12 JUN 2017 23:26:53



LTE Band 38

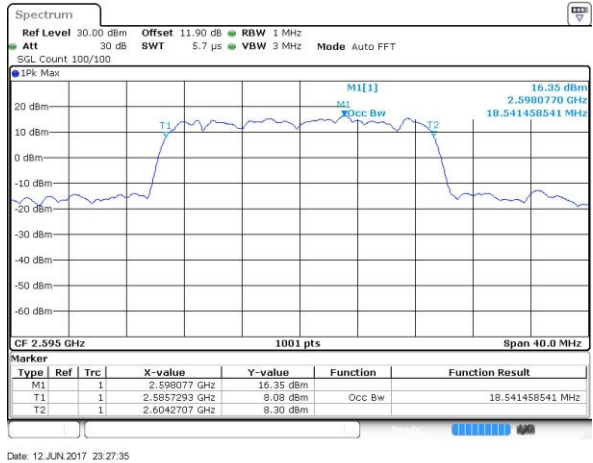
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Lowest Channel / 20MHz / 64QAM



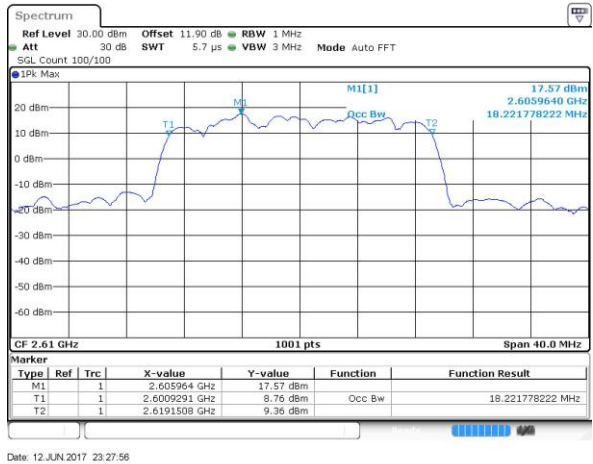
-

Middle Channel / 20MHz / 64QAM



-

Highest Channel / 20MHz / 64QAM





Conducted Band Edge