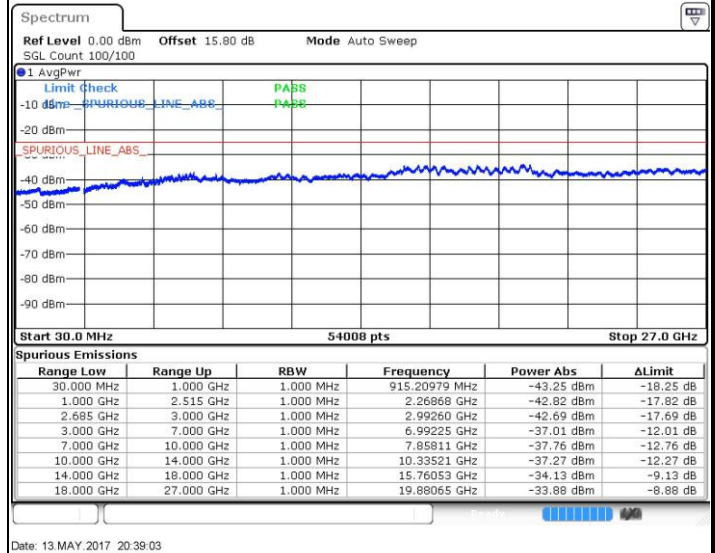




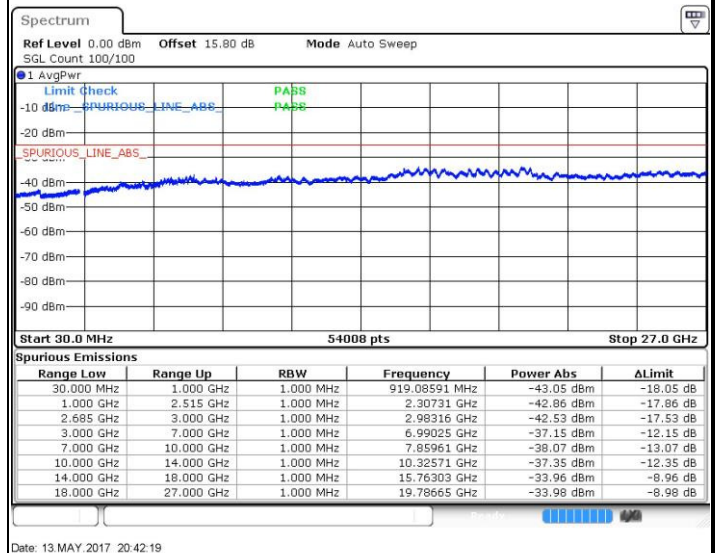
LTE Band 41 / 15MHz

Highest Channel / 64QAM



LTE Band 41 / 20MHz

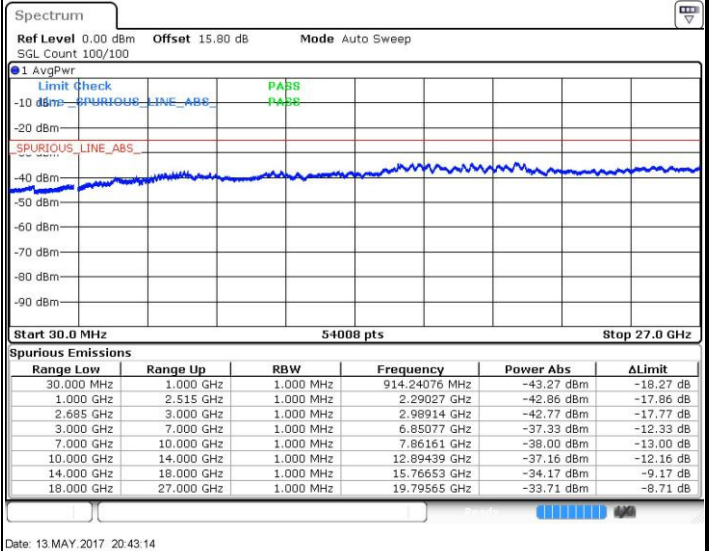
Lowest Channel / 64QAM



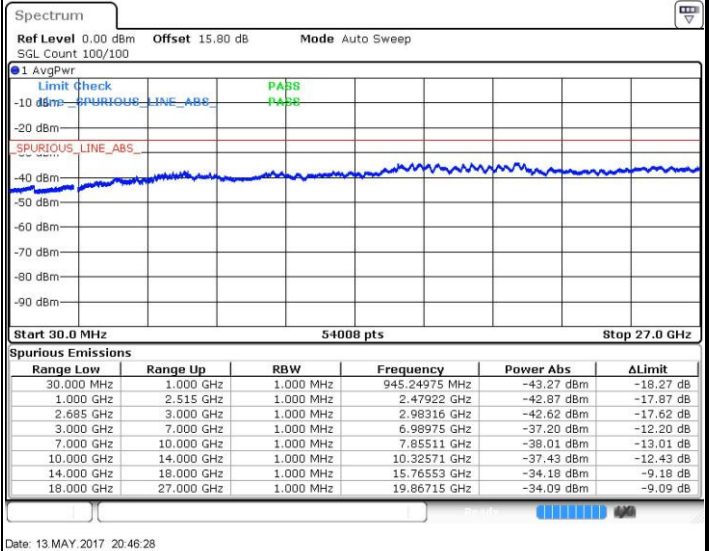


LTE Band 41 / 20MHz

Middle Channel / 64QAM



Highest Channel / 64QAM



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0094	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0094	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0095	

Note:

1. Normal Voltage =3.8 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.



LTE Band 41_CA

26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	24.93	29.79	30.51	34.83
Middle CH	25.03	29.91	30.57	34.83
Highest CH	24.93	29.85	30.51	34.76
BW	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	25.23	29.91	35.04	39.72
Middle CH	25.23	30.03	34.97	39.72
Highest CH	25.18	30.21	35.11	39.72

Mode	LTE Band 41 : 26dB BW (MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	24.78	29.79	30.63	34.83
Middle CH	25.03	29.85	30.45	34.83
Highest CH	24.73	29.97	30.69	34.69
BW	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	25.13	30.15	34.83	39.72
Middle CH	25.03	29.91	34.83	40.04
Highest CH	25.18	29.85	34.97	39.96

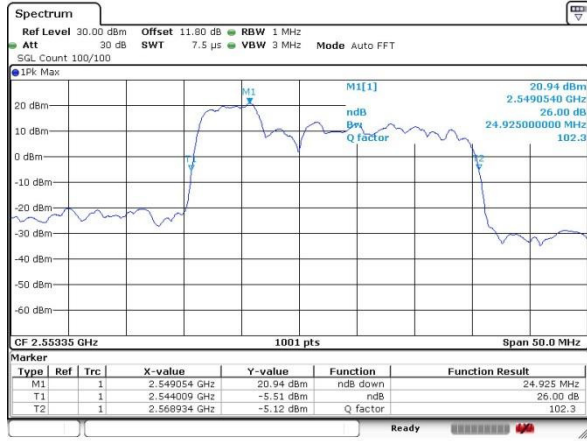
Mode	LTE Band 41 : 26dB BW (MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	24.88	29.79	30.51	34.83
Middle CH	24.83	29.85	30.51	34.83
Highest CH	24.88	29.79	30.51	34.83
BW	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	25.08	30.15	35.04	39.72
Middle CH	24.98	29.85	34.76	39.8
Highest CH	25.23	30.09	34.90	39.8



LTE Band 41

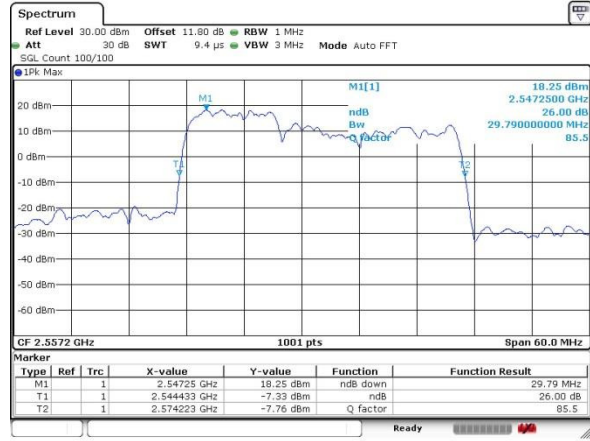
QPSK

Lowest Channel / 5MHz+20MHz



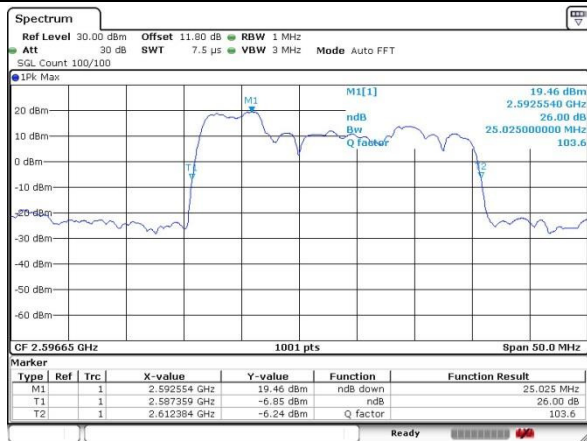
Date: 19 MAY 2017 11:53:39

Lowest Channel / 10MHz+20MHz



Date: 19 MAY 2017 16:32:02

Middle Channel / 5MHz+20MHz



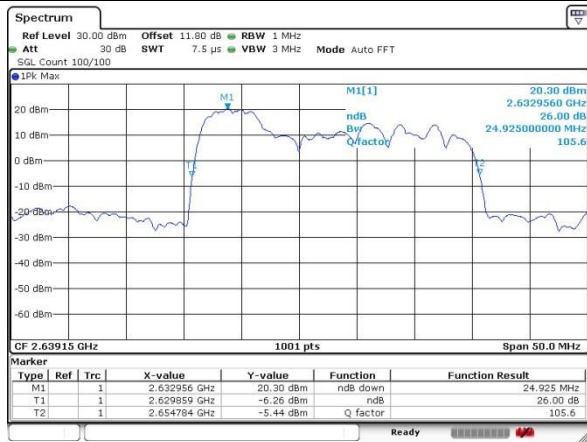
Date: 19 MAY 2017 11:56:41

Middle Channel / 10MHz+20MHz



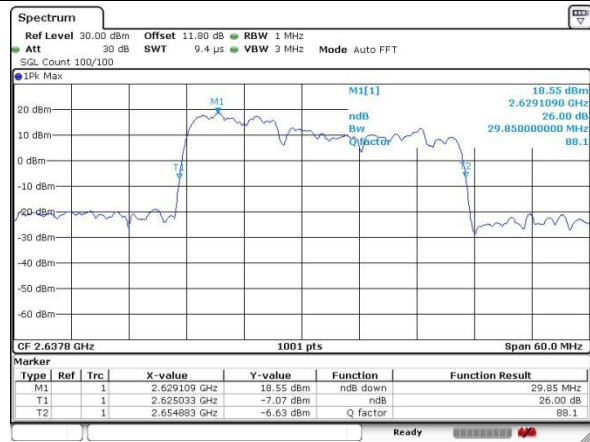
Date: 19 MAY 2017 16:48:54

Highest Channel / 5MHz+20MHz



Date: 19 MAY 2017 11:39:14

Highest Channel / 10MHz+20MHz



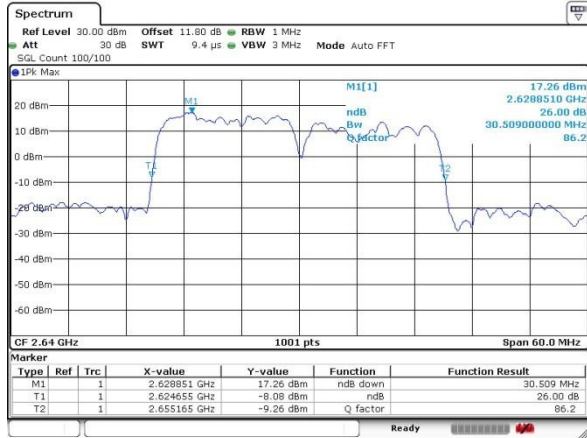
Date: 19 MAY 2017 16:49:30



LTE Band 41

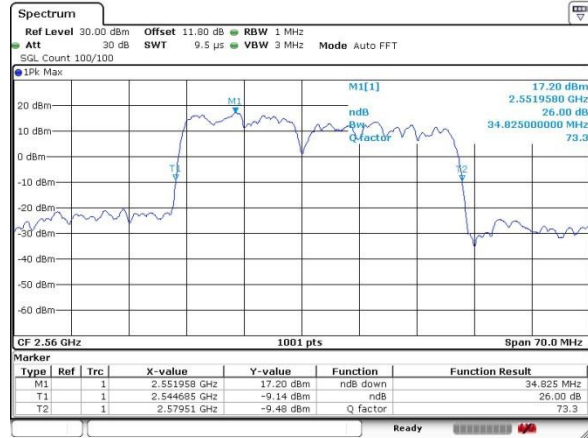
QPSK

Lowest Channel / 15MHz+15MHz



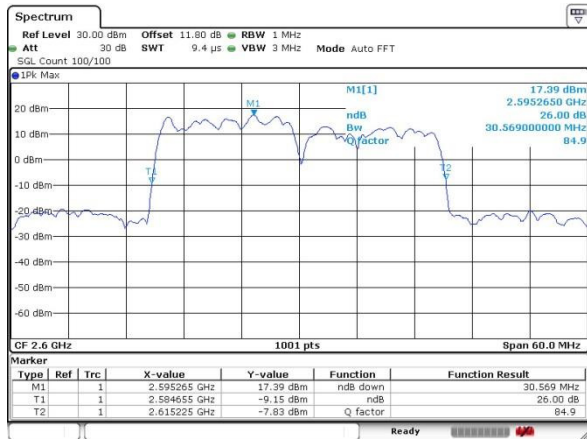
Date: 19 MAY 2017 19:13:13

Lowest Channel / 15MHz+20MHz



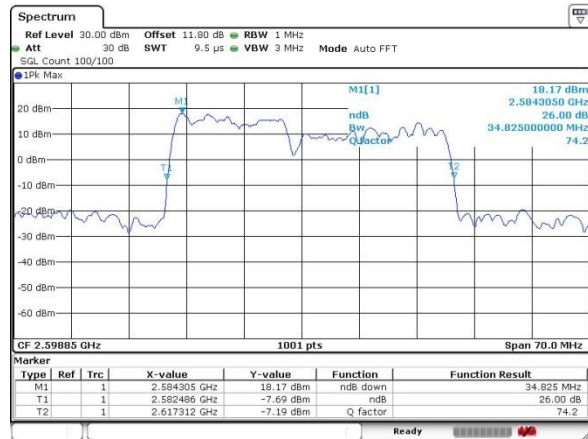
Date: 19 MAY 2017 19:24:24

Middle Channel / 15MHz+15MHz



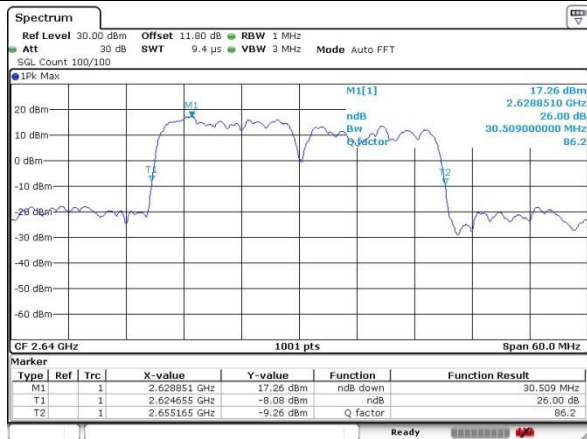
Date: 19 MAY 2017 19:10:48

Middle Channel / 15MHz+20MHz



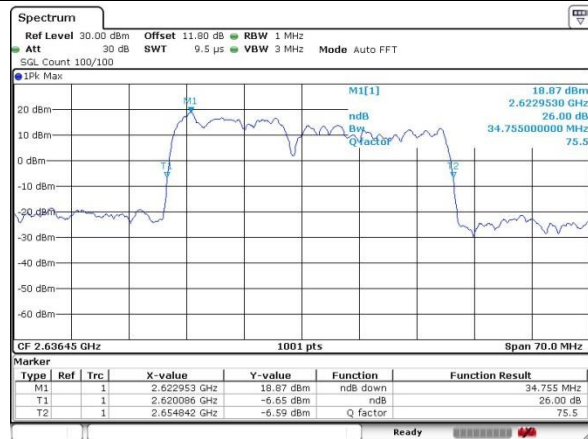
Date: 20 MAY 2017 01:54:02

Highest Channel / 15MHz+15MHz



Date: 19 MAY 2017 19:13:13

Highest Channel / 15MHz+20MHz



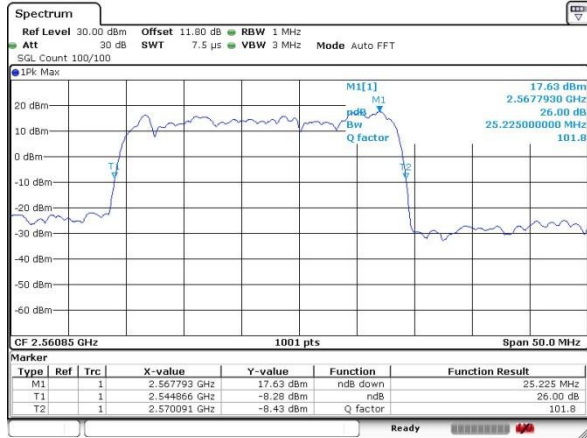
Date: 20 MAY 2017 01:50:00



LTE Band 41

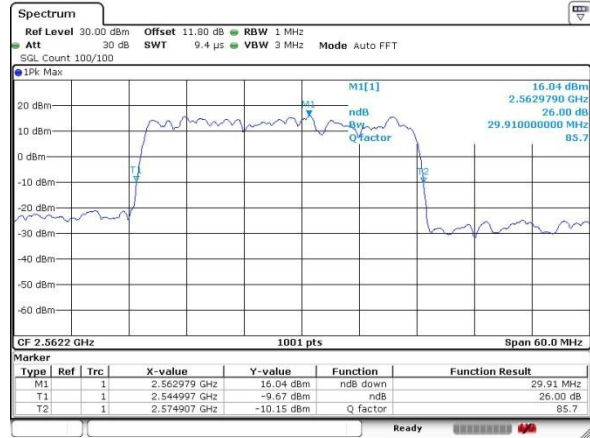
QPSK

Lowest Channel / 20MHz+5MHz



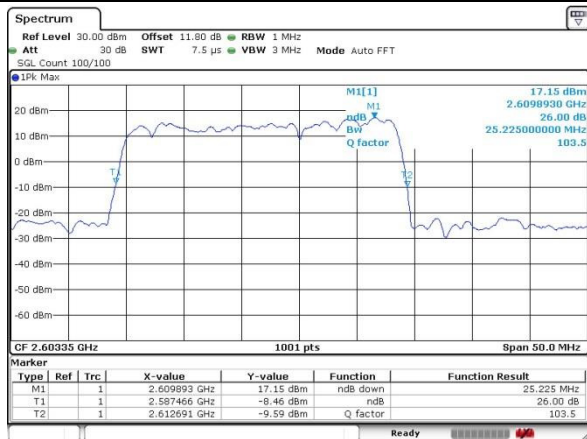
Date: 19 MAY 2017 13:57:25

Lowest Channel / 20MHz+10MHz



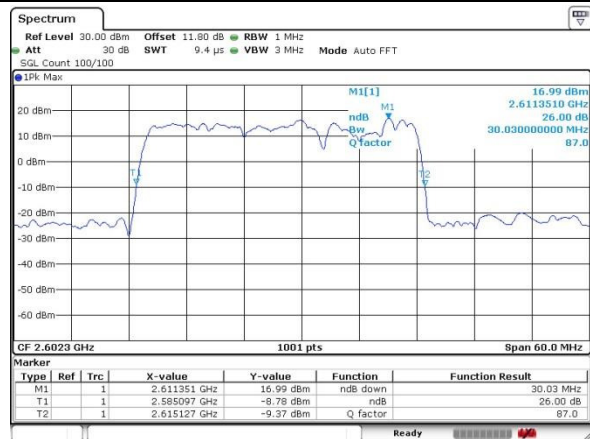
Date: 19 MAY 2017 18:36:10

Middle Channel / 20MHz+5MHz



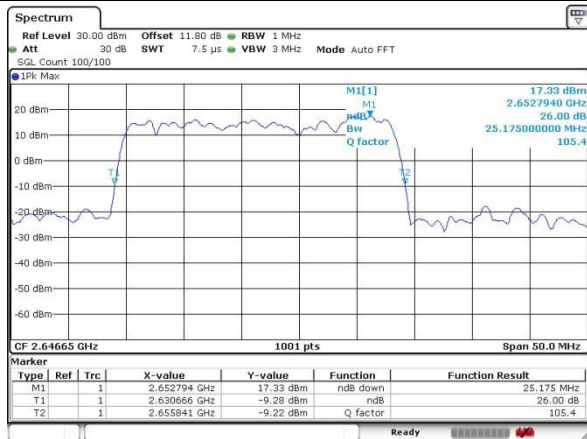
Date: 19 MAY 2017 14:08:20

Middle Channel / 20MHz+10MHz



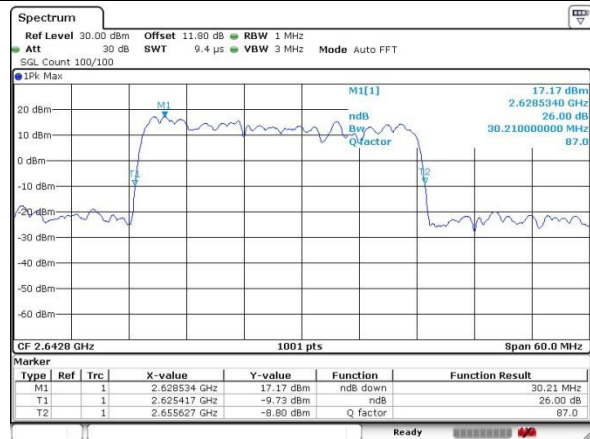
Date: 19 MAY 2017 18:45:48

Highest Channel / 20MHz+5MHz



Date: 19 MAY 2017 14:10:59

Highest Channel / 20MHz+10MHz



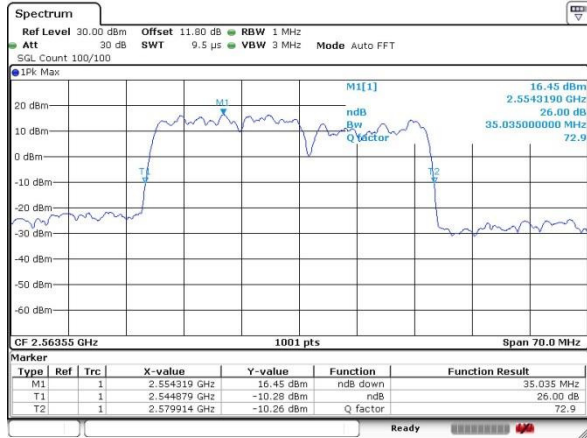
Date: 19 MAY 2017 18:49:51



LTE Band 41

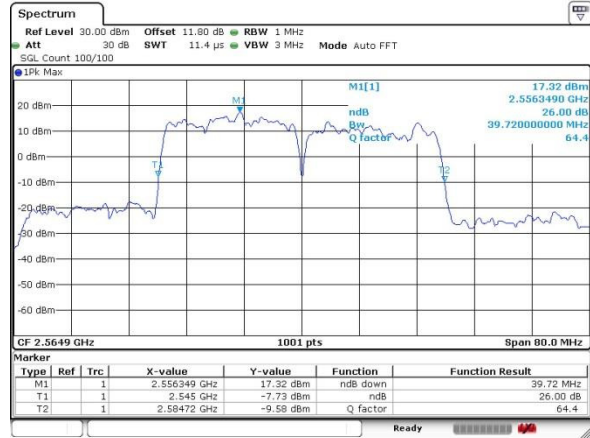
QPSK

Lowest Channel / 20MHz+15MHz



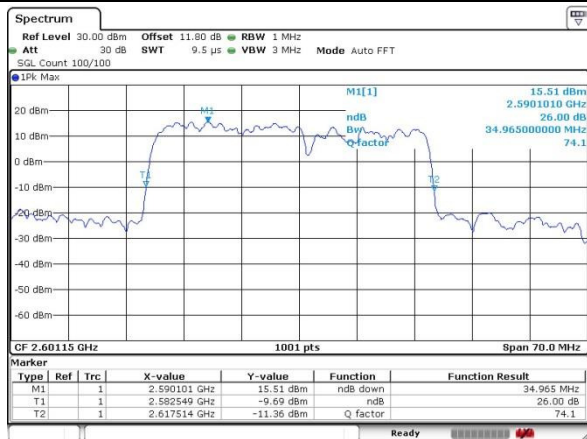
Date: 19 MAY 2017 20:12:24

Lowest Channel / 20MHz+20MHz



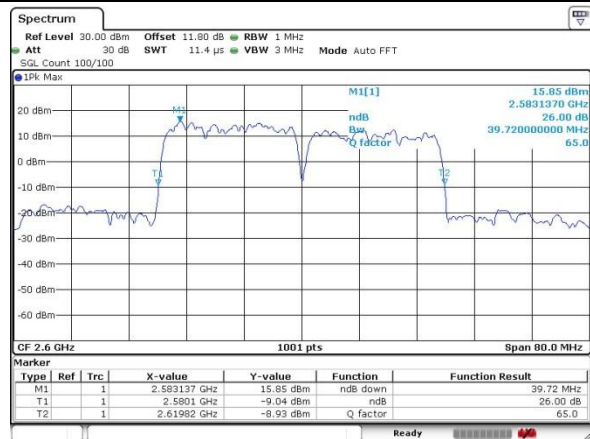
Date: 19 MAY 2017 21:57:27

Middle Channel / 20MHz+15MHz



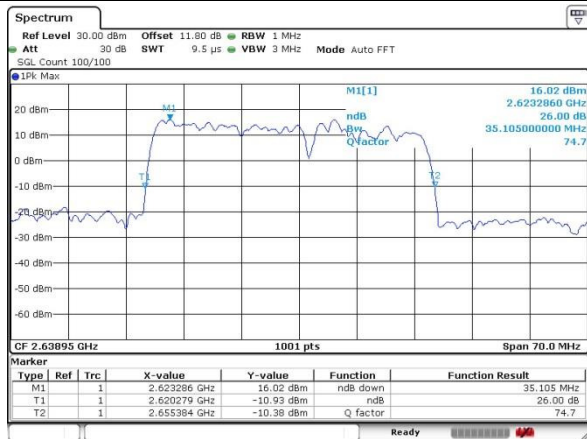
Date: 19 MAY 2017 22:21:12

Middle Channel / 20MHz+20MHz



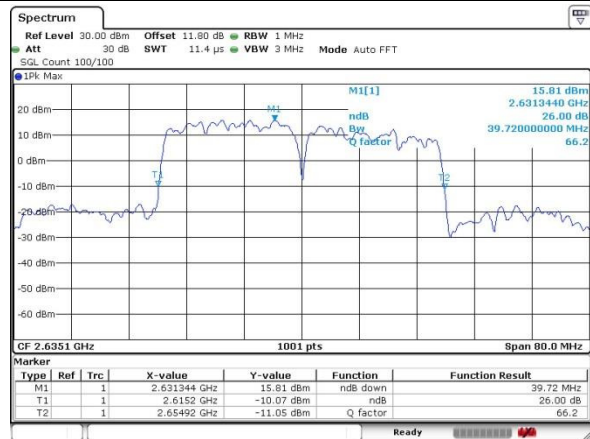
Date: 19 MAY 2017 22:06:15

Highest Channel / 20MHz+15MHz



Date: 19 MAY 2017 21:47:57

Highest Channel / 20MHz+20MHz



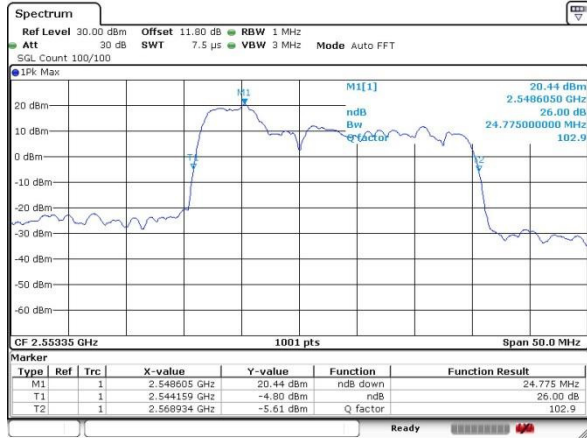
Date: 19 MAY 2017 22:09:21



LTE Band 41

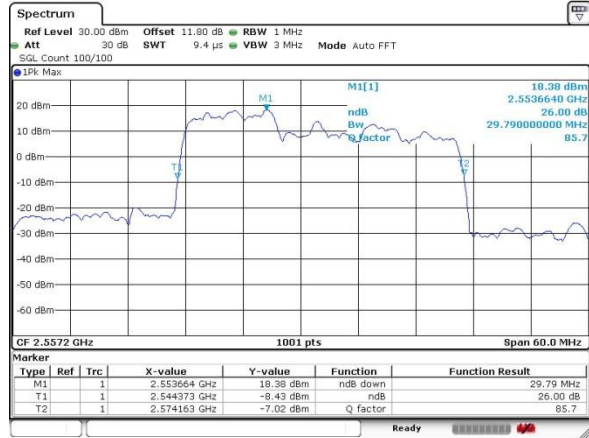
16QAM

Lowest Channel / 5MHz+20MHz



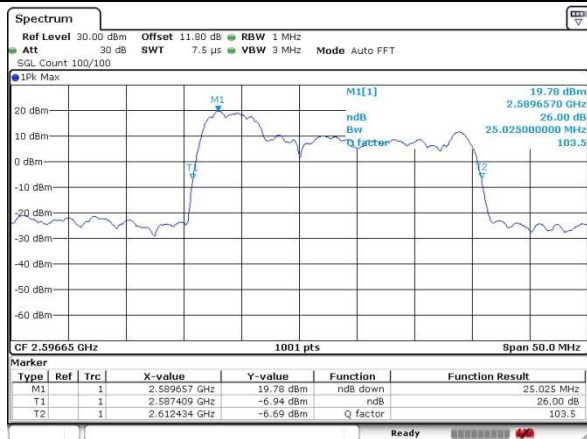
Date: 19 MAY 2017 11:54:14

Lowest Channel / 10MHz+20MHz



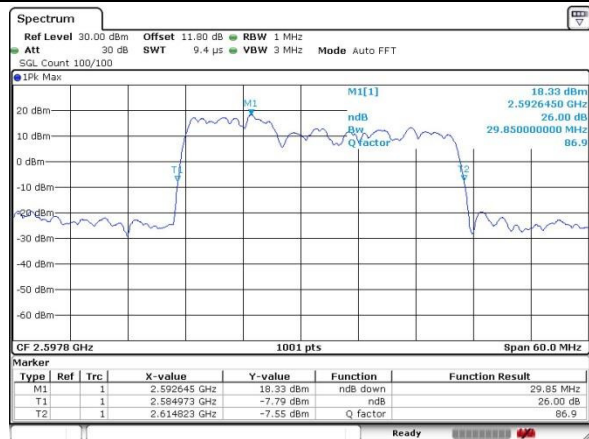
Date: 19 MAY 2017 16:31:46

Middle Channel / 5MHz+20MHz



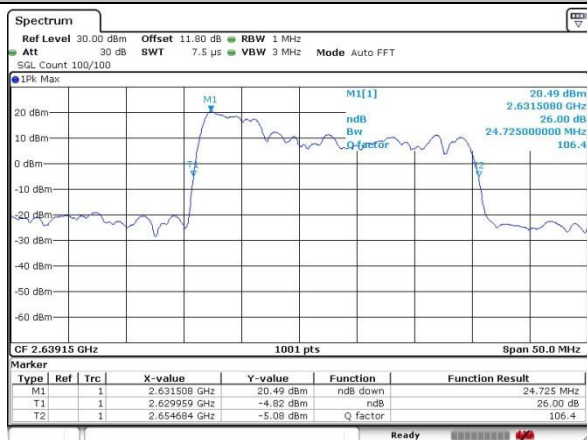
Date: 19 MAY 2017 11:56:15

Middle Channel / 10MHz+20MHz



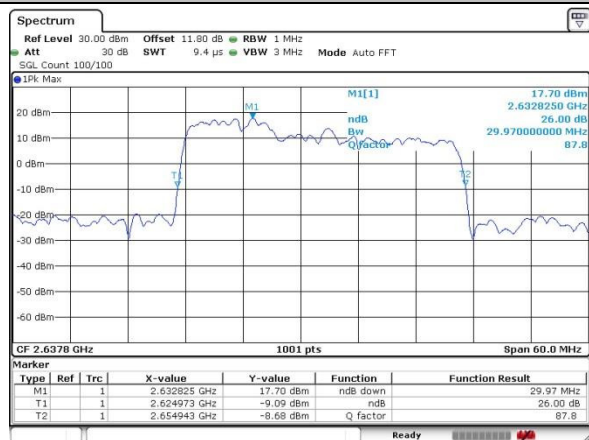
Date: 19 MAY 2017 16:47:36

Highest Channel / 5MHz+20MHz



Date: 19 MAY 2017 11:38:54

Highest Channel / 10MHz+20MHz



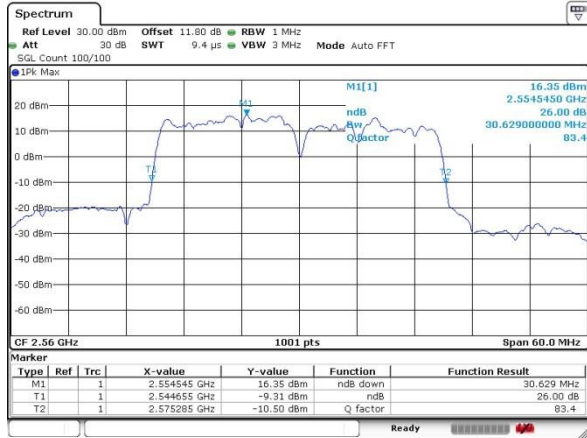
Date: 19 MAY 2017 16:49:16



LTE Band 41

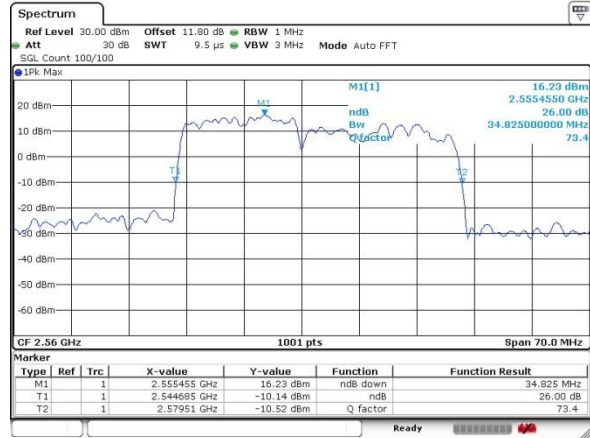
16QAM

Lowest Channel / 15MHz+15MHz



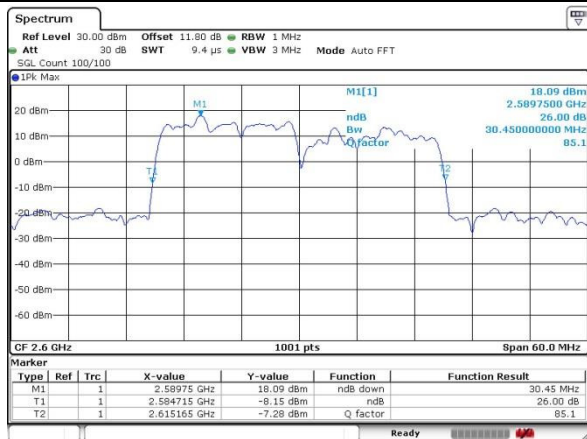
Date: 19 MAY 2017 19:01:32

Lowest Channel / 15MHz+20MHz



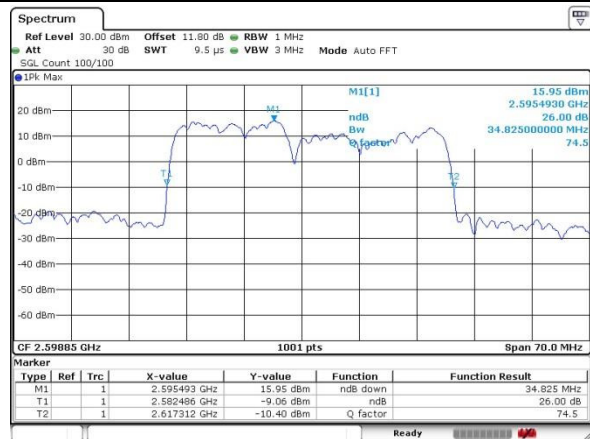
Date: 19 MAY 2017 19:24:12

Middle Channel / 15MHz+15MHz



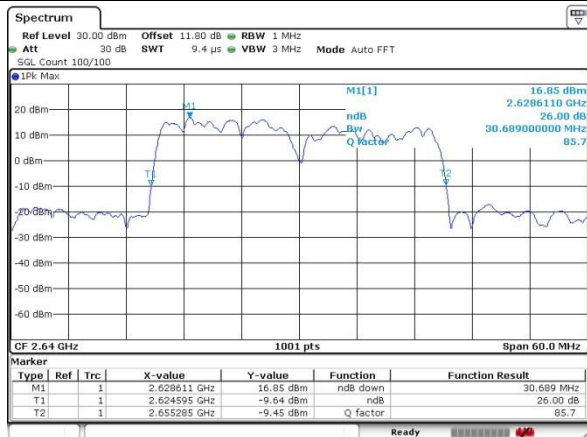
Date: 19 MAY 2017 19:10:32

Middle Channel / 15MHz+20MHz



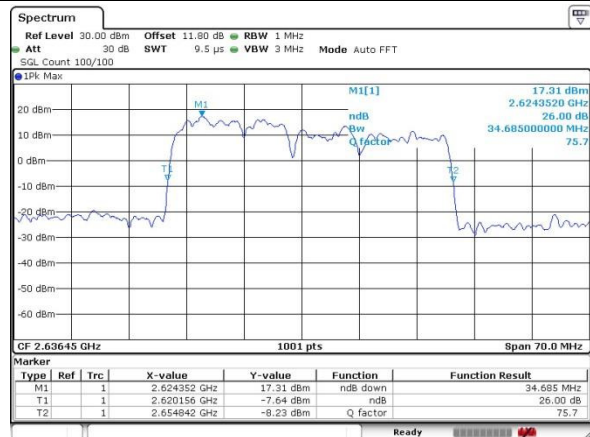
Date: 20 MAY 2017 01:53:51

Highest Channel / 15MHz+15MHz



Date: 19 MAY 2017 19:13:23

Highest Channel / 15MHz+20MHz



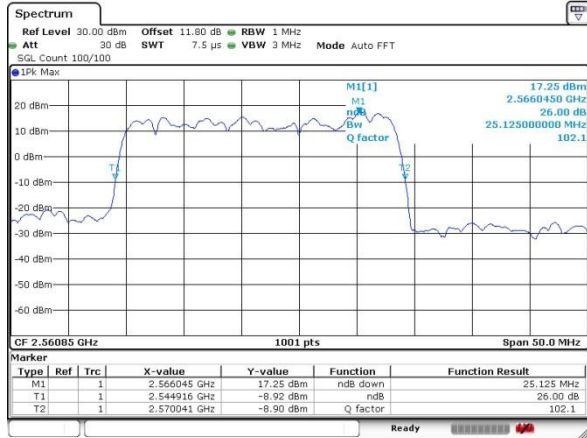
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LTE Band 41

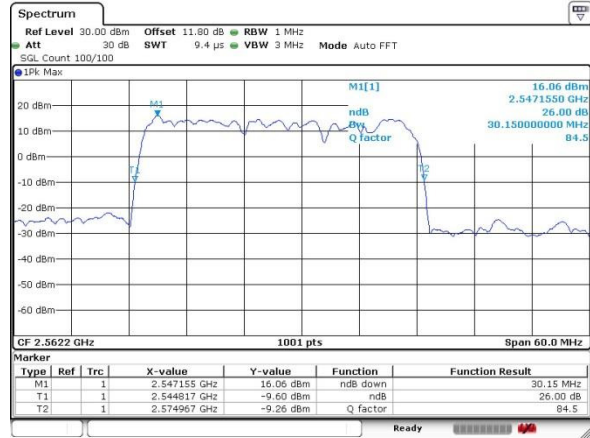
16QAM

Lowest Channel / 20MHz+5MHz



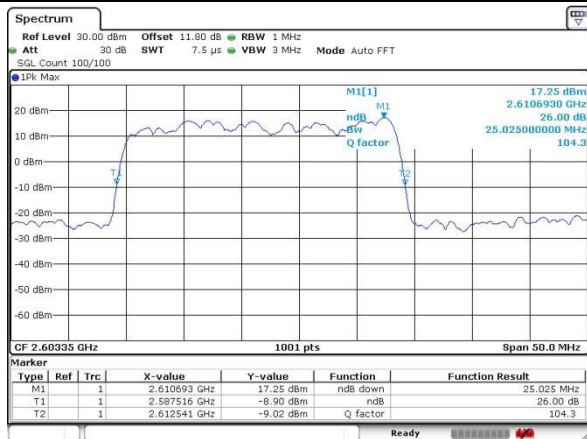
Date: 19 MAY 2017 13:57:07

Lowest Channel / 20MHz+10MHz



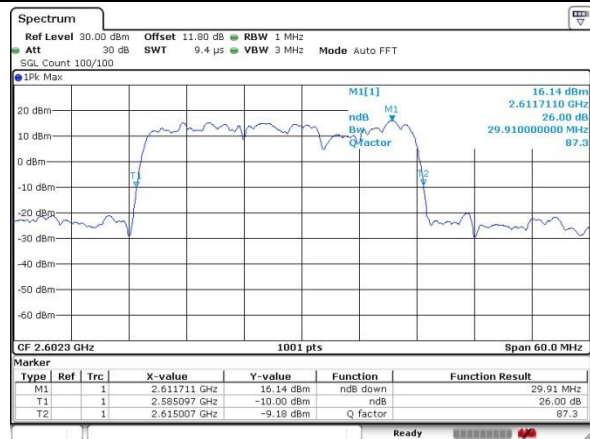
Date: 19 MAY 2017 18:35:57

Middle Channel / 20MHz+5MHz



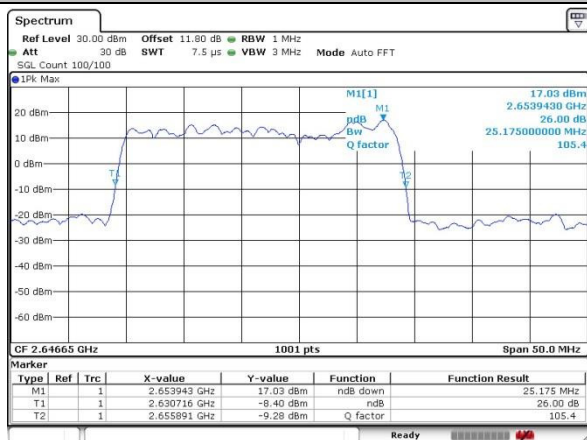
Date: 19 MAY 2017 14:08:40

Middle Channel / 20MHz+10MHz



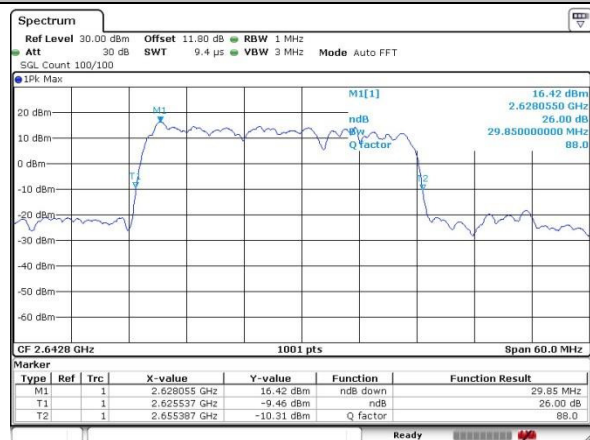
Date: 19 MAY 2017 18:48:01

Highest Channel / 20MHz+5MHz



Date: 19 MAY 2017 14:10:44

Highest Channel / 20MHz+10MHz



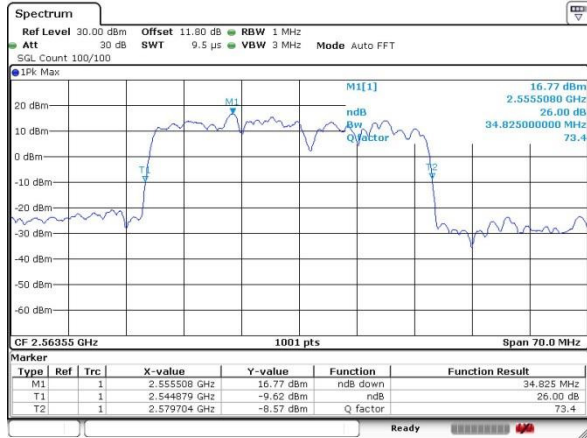
Date: 19 MAY 2017 18:49:40



LTE Band 41

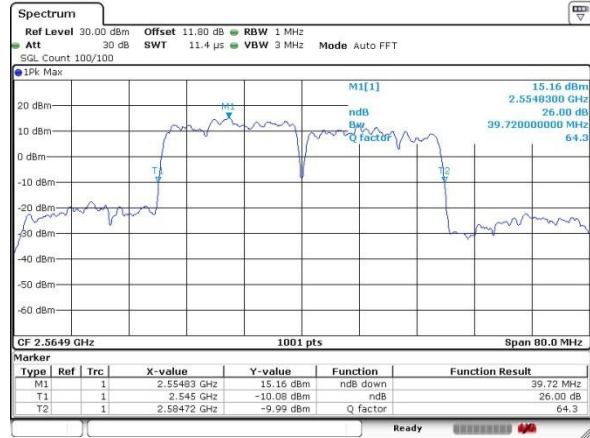
16QAM

Lowest Channel / 20MHz+15MHz



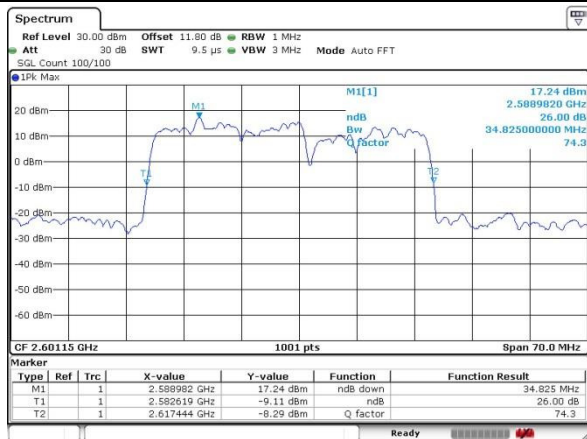
Date: 19 MAY 2017 20:12:14

Lowest Channel / 20MHz+20MHz



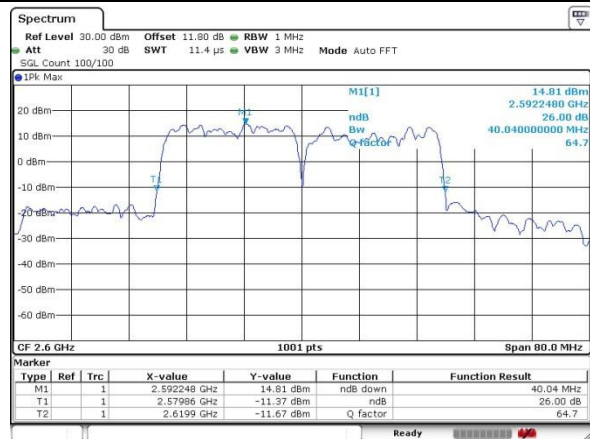
Date: 19 MAY 2017 21:57:16

Middle Channel / 20MHz+15MHz



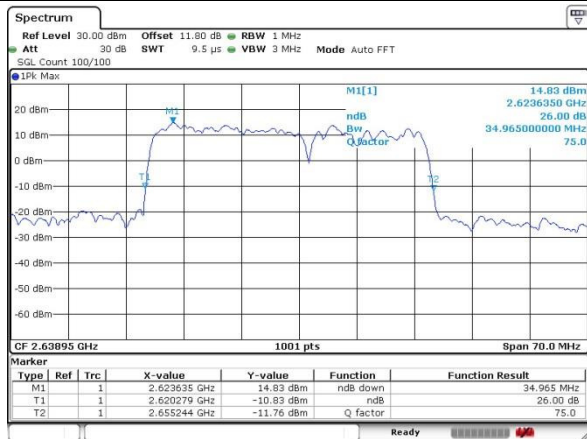
Date: 19 MAY 2017 22:21:22

Middle Channel / 20MHz+20MHz



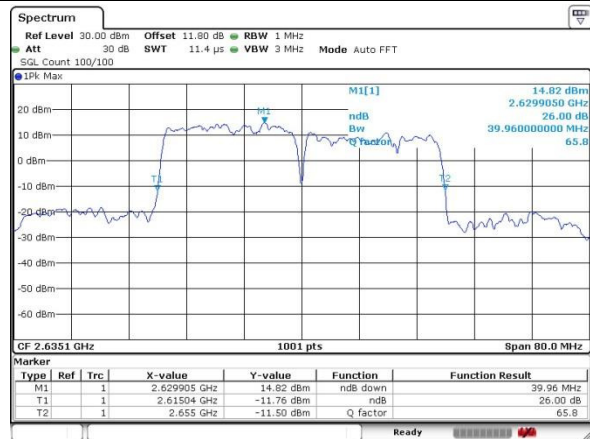
Date: 19 MAY 2017 22:06:01

Highest Channel / 20MHz+15MHz



Date: 19 MAY 2017 21:47:43

Highest Channel / 20MHz+20MHz



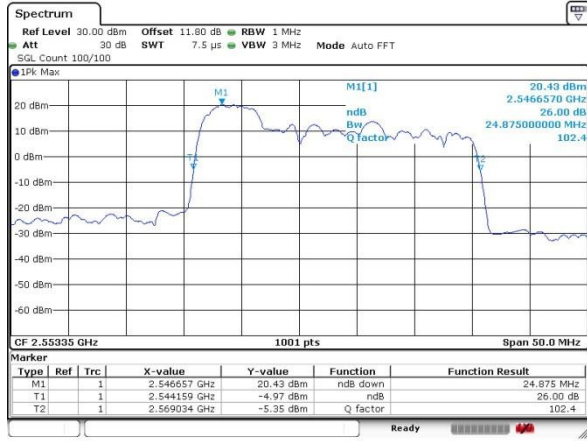
Date: 19 MAY 2017 22:09:36



LTE Band 41

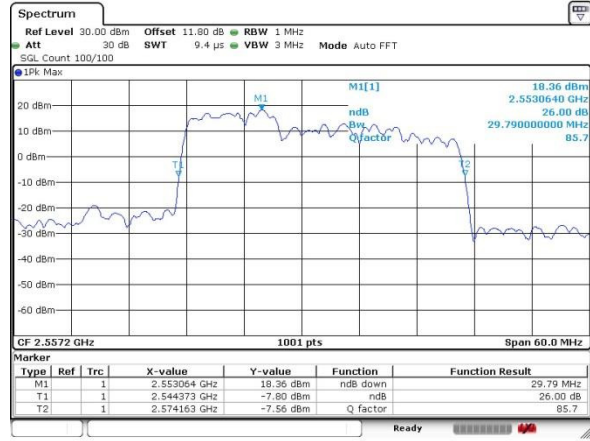
64QAM

Lowest Channel / 5MHz+20MHz



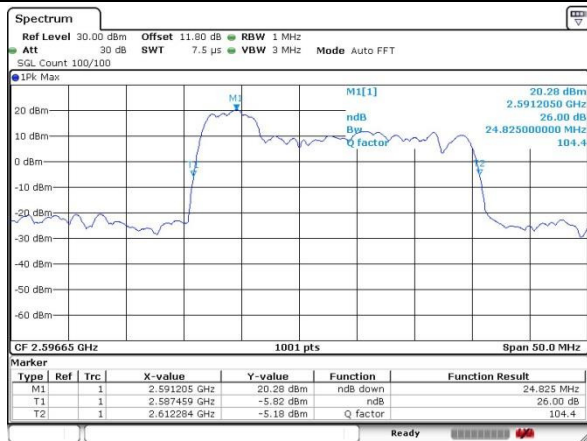
Date: 19 MAY 2017 11:54:32

Lowest Channel / 10MHz+20MHz



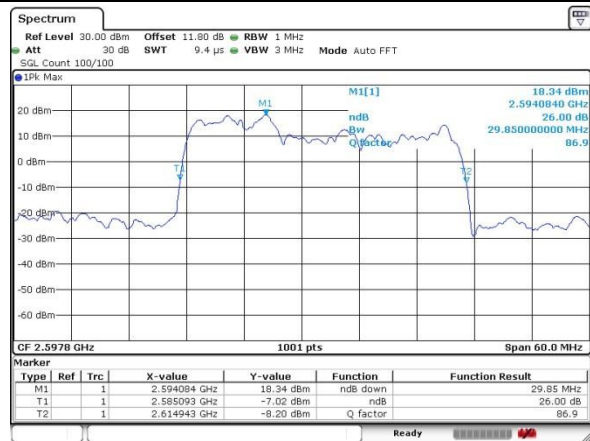
Date: 19 MAY 2017 16:31:19

Middle Channel / 5MHz+20MHz



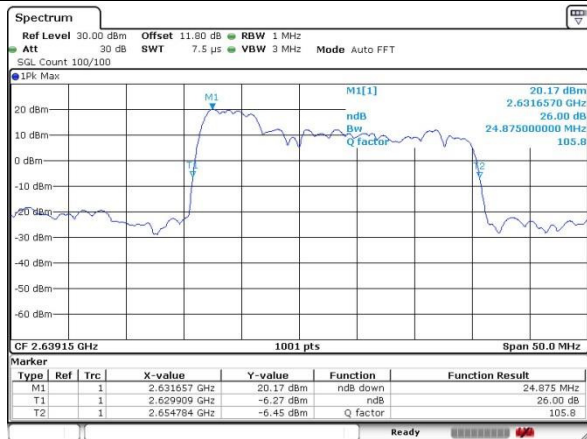
Date: 19 MAY 2017 11:55:53

Middle Channel / 10MHz+20MHz



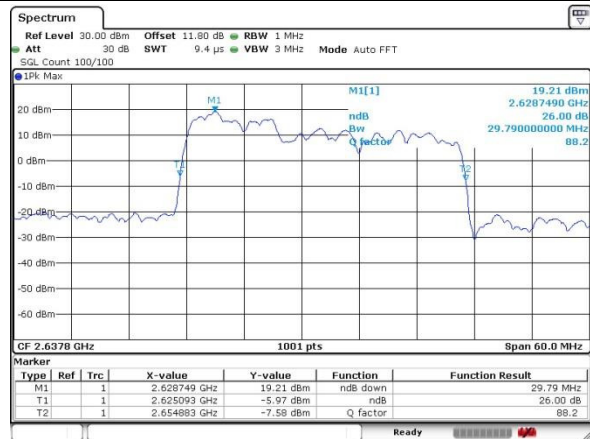
Date: 19 MAY 2017 16:47:50

Highest Channel / 5MHz+20MHz



Date: 19 MAY 2017 11:38:37

Highest Channel / 10MHz+20MHz



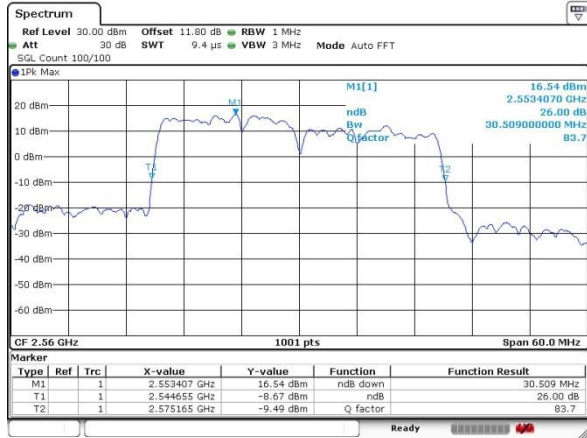
Date: 19 MAY 2017 16:48:49



LTE Band 41

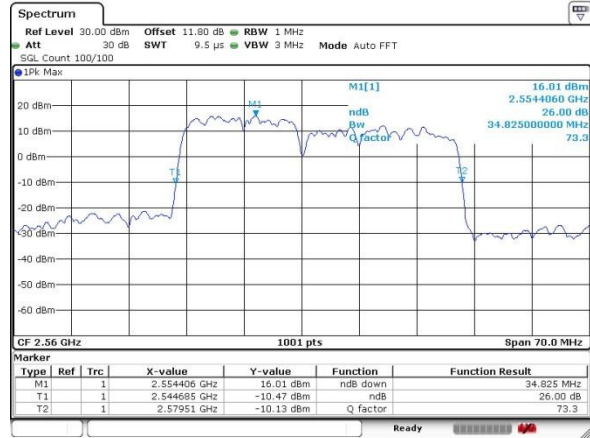
64QAM

Lowest Channel / 15MHz+15MHz



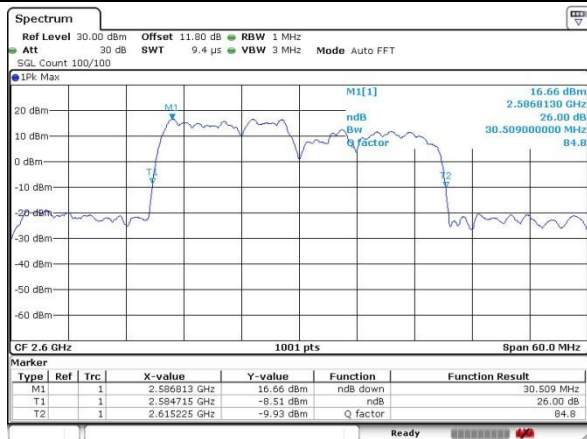
Date: 19 MAY 2017 19:01:14

Lowest Channel / 15MHz+20MHz



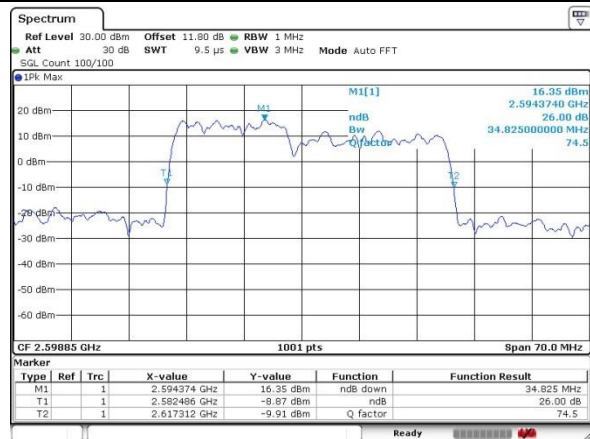
Date: 19 MAY 2017 19:24:00

Middle Channel / 15MHz+15MHz



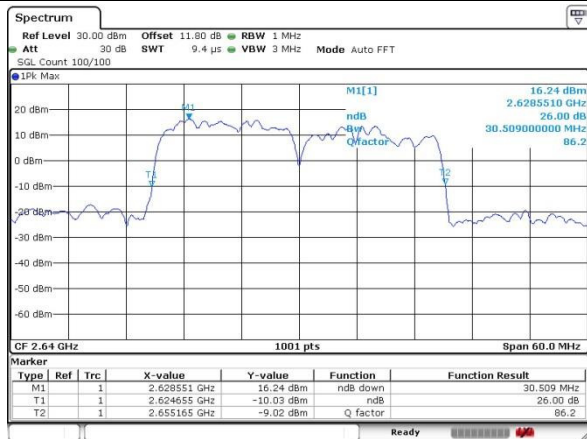
Date: 19 MAY 2017 19:10:17

Middle Channel / 15MHz+20MHz



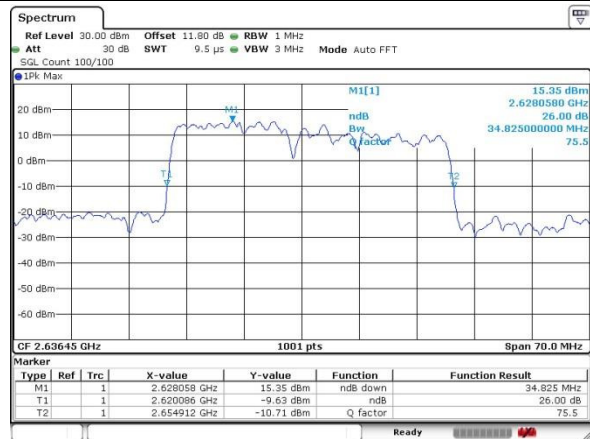
Date: 20 MAY 2017 01:53:41

Highest Channel / 15MHz+15MHz



Date: 19 MAY 2017 19:13:35

Highest Channel / 15MHz+20MHz



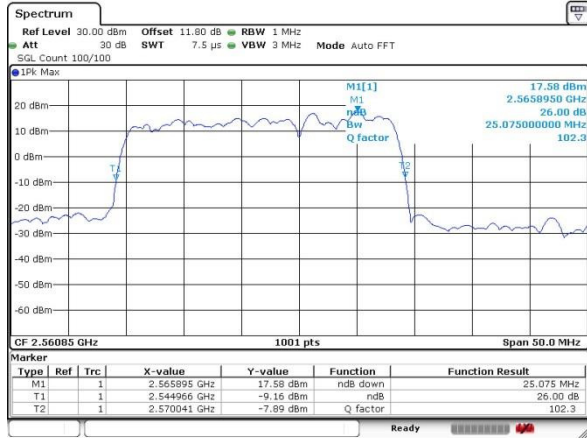
Date: 20 MAY 2017 01:50:23



LTE Band 41

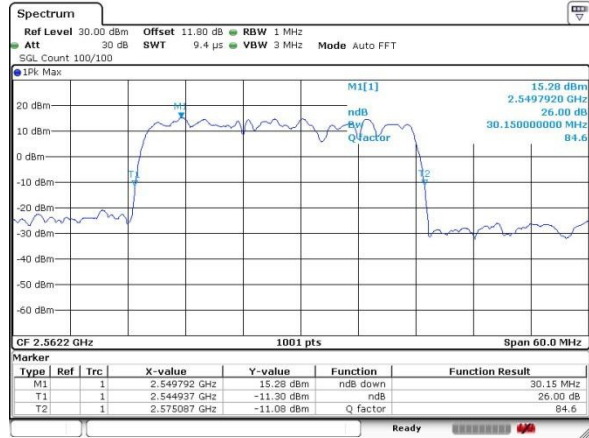
64QAM

Lowest Channel / 20MHz+5MHz



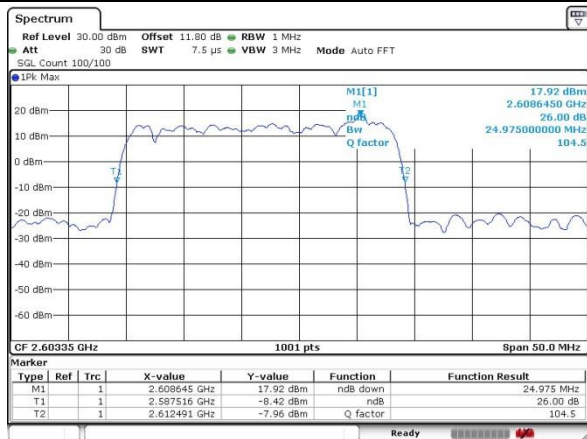
Date: 19 MAY 2017 13:56:47

Lowest Channel / 20MHz+10MHz



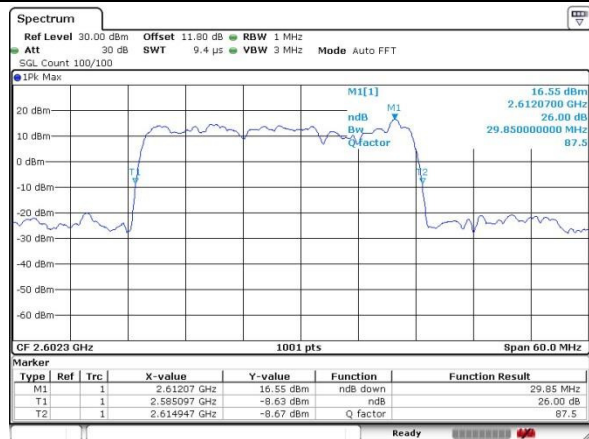
Date: 19 MAY 2017 18:35:46

Middle Channel / 20MHz+5MHz



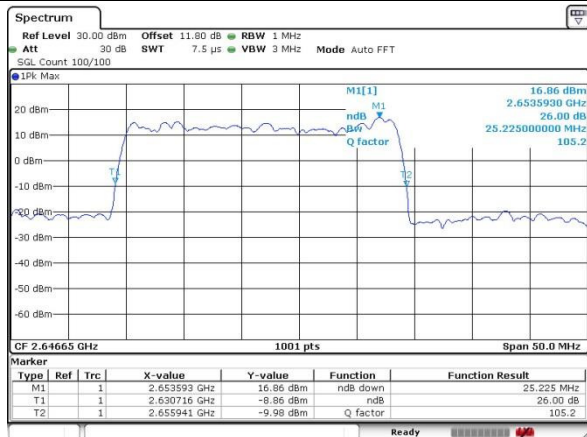
Date: 19 MAY 2017 14:08:57

Middle Channel / 20MHz+10MHz



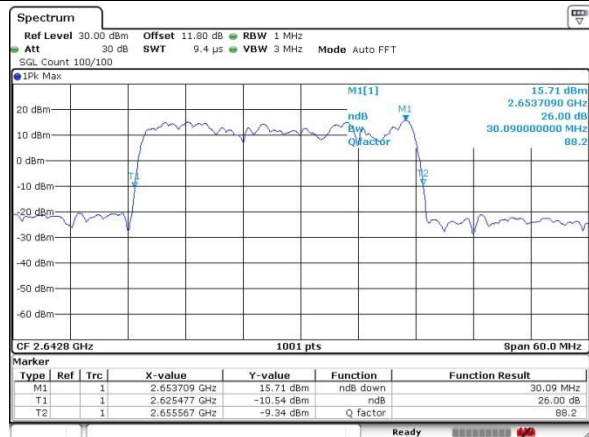
Date: 19 MAY 2017 18:48:12

Highest Channel / 20MHz+5MHz



Date: 19 MAY 2017 14:10:19

Highest Channel / 20MHz+10MHz



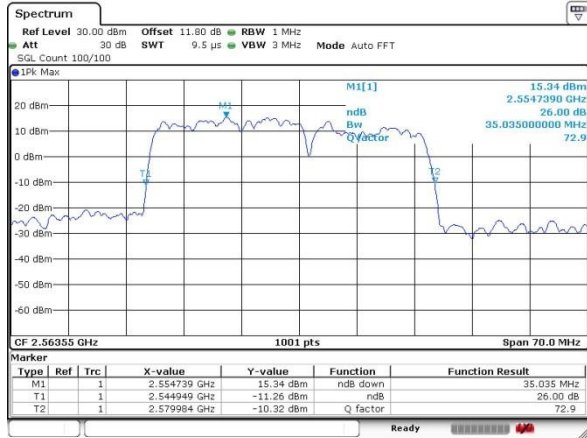
Date: 19 MAY 2017 18:49:27



LTE Band 41

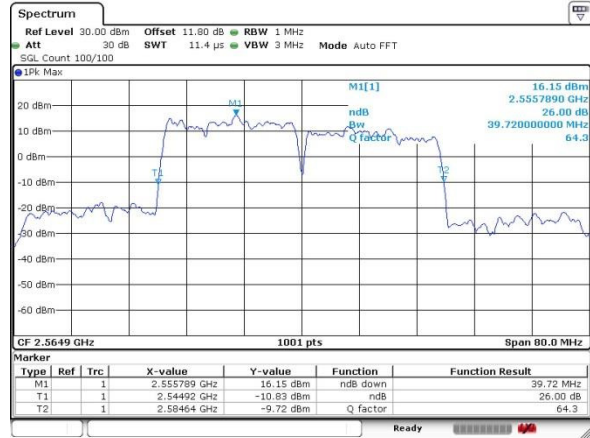
64QAM

Lowest Channel / 20MHz+15MHz



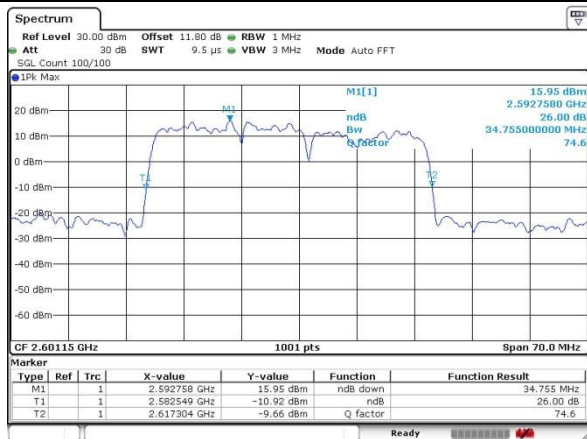
Date: 19 MAY 2017 20:12:04

Lowest Channel / 20MHz+20MHz



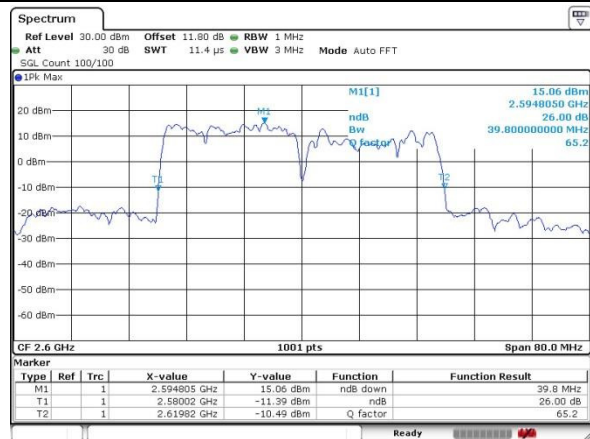
Date: 19 MAY 2017 21:56:59

Middle Channel / 20MHz+15MHz



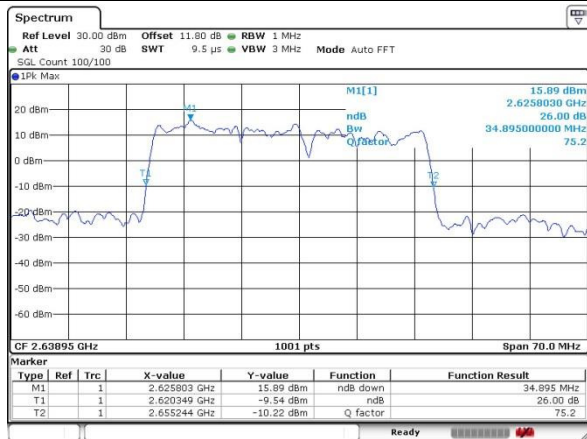
Date: 19 MAY 2017 22:21:41

Middle Channel / 20MHz+20MHz



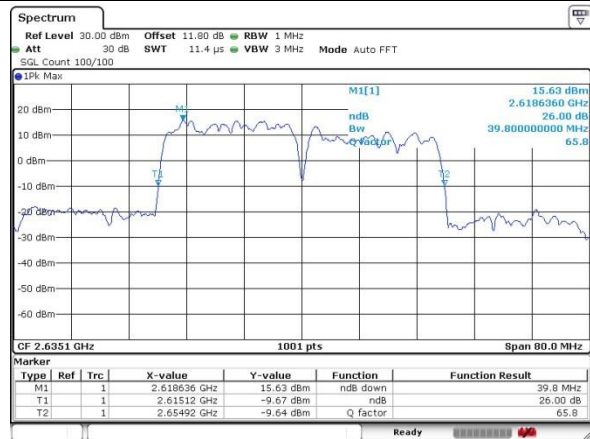
Date: 19 MAY 2017 22:05:47

Highest Channel / 20MHz+15MHz



Date: 19 MAY 2017 21:47:32

Highest Channel / 20MHz+20MHz



Date: 19 MAY 2017 22:09:59

**Occupied Bandwidth**

Mode	LTE Band 41 : 99%OBW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	23.33	27.93	28.59	32.59
Middle CH	23.33	27.87	28.59	32.52
Highest CH	23.13	27.99	28.65	32.73
BW	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	23.23	27.93	33.94	37.08
Middle CH	23.18	28.05	32.31	37.48
Highest CH	23.33	27.93	32.73	37.72

Mode	LTE Band 41 : 99%OBW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	23.13	27.93	28.35	32.73
Middle CH	23.18	27.99	28.59	32.52
Highest CH	22.93	28.23	28.59	32.73
BW	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	23.18	27.81	33.01	37.32
Middle CH	23.58	28.11	32.94	37.72
Highest CH	23.48	28.11	32.87	37.48

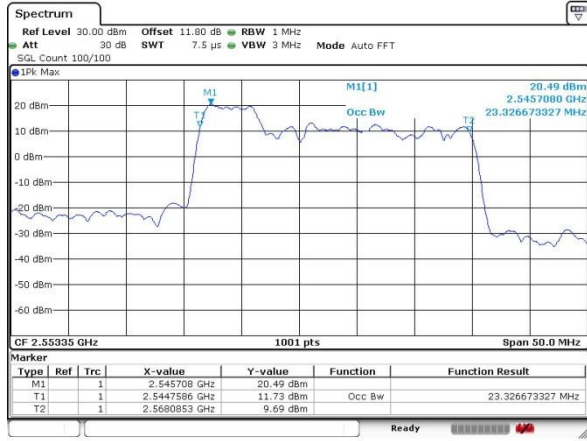
Mode	LTE Band 41 : 99%OBW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	23.23	28.05	28.29	32.59
Middle CH	23.43	28.29	28.41	32.87
Highest CH	23.43	27.81	28.59	32.59
BW	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	23.48	27.93	33.52	37.48
Middle CH	23.33	28.11	32.8	38.04
Highest CH	23.38	27.87	32.8	37.40



LTE Band 41

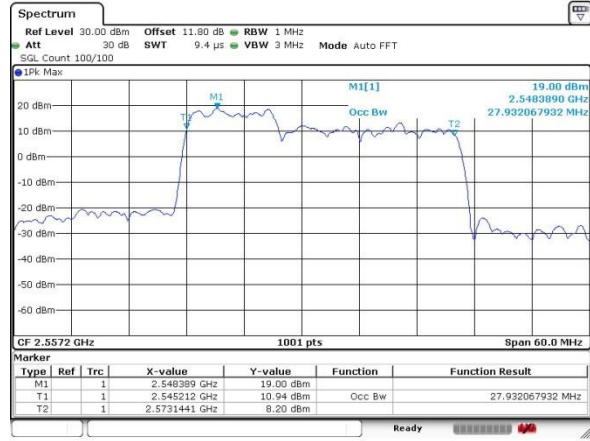
QPSK

Lowest Channel / 5MHz+20MHz



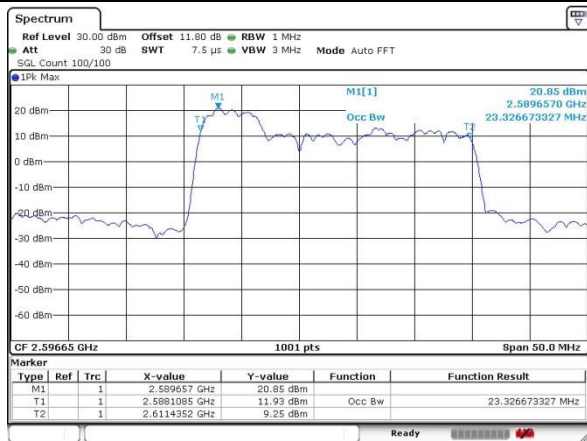
Date: 19 MAY 2017 11:53:10

Lowest Channel / 10MHz+20MHz



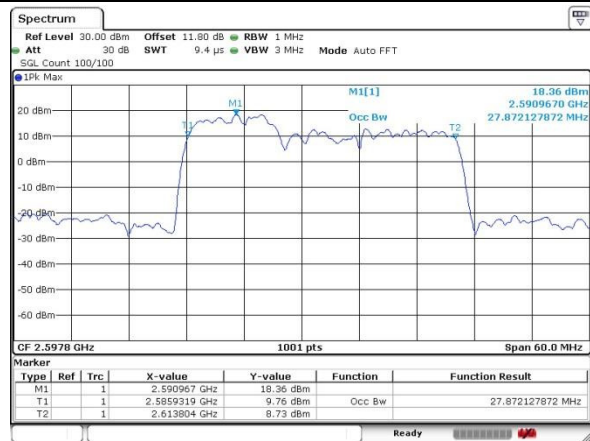
Date: 19 MAY 2017 16:29:57

Middle Channel / 5MHz+20MHz



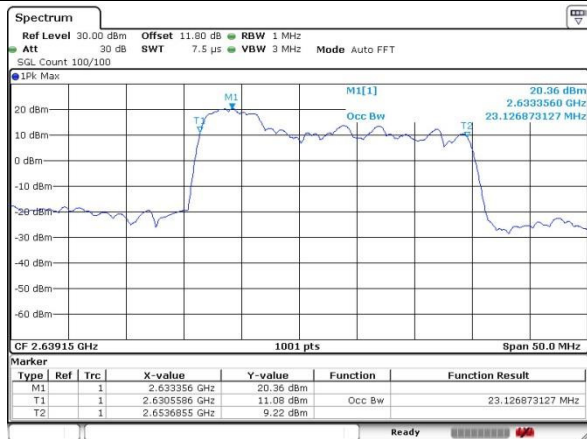
Date: 19 MAY 2017 11:57:06

Middle Channel / 10MHz+20MHz



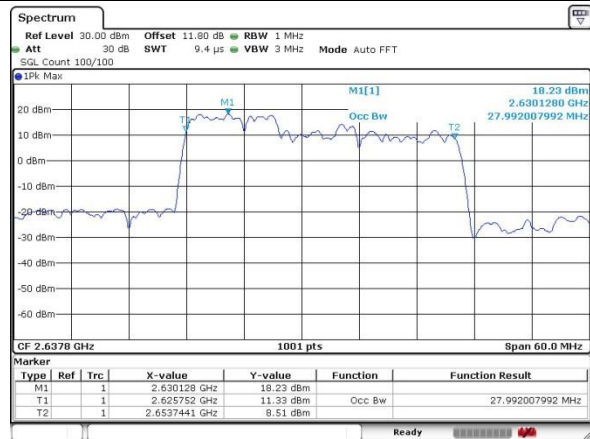
Date: 19 MAY 2017 16:48:28

Highest Channel / 5MHz+20MHz



Date: 19 MAY 2017 11:23:13

Highest Channel / 10MHz+20MHz



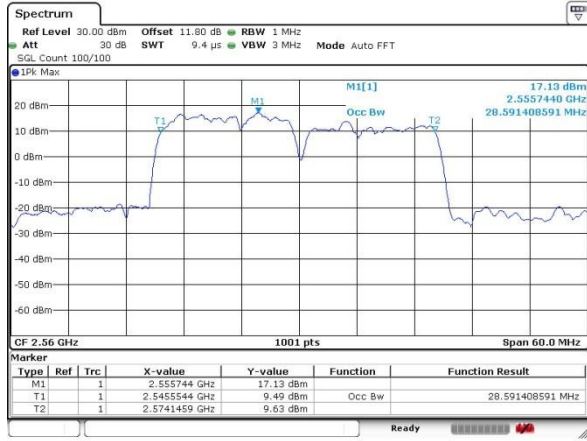
Date: 19 MAY 2017 16:49:47



LTE Band 41

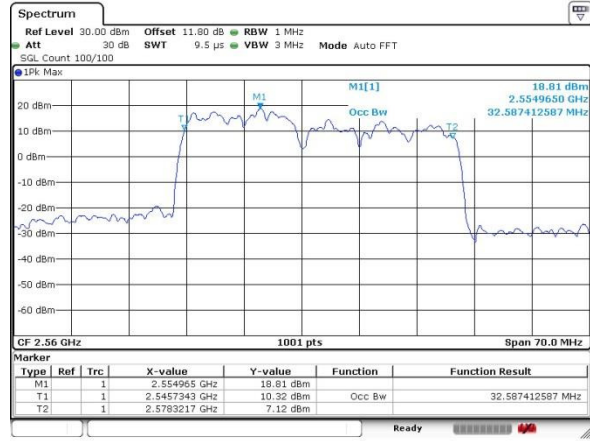
QPSK

Lowest Channel / 15MHz+15MHz



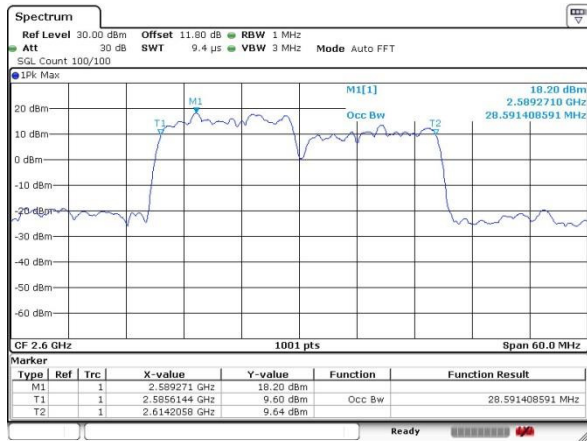
Date: 19 MAY 2017 19:00:24

Lowest Channel / 15MHz+20MHz



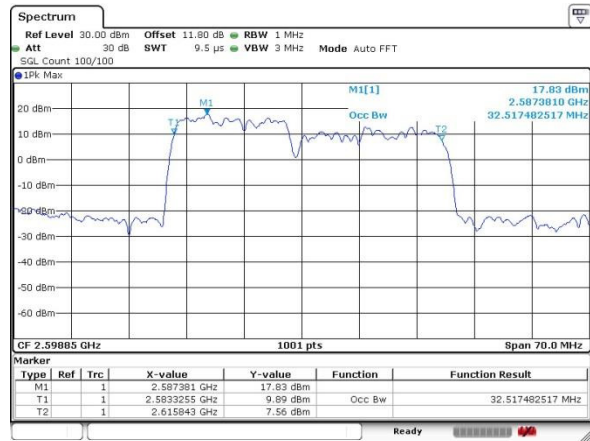
Date: 19 MAY 2017 19:23:14

Middle Channel / 15MHz+15MHz



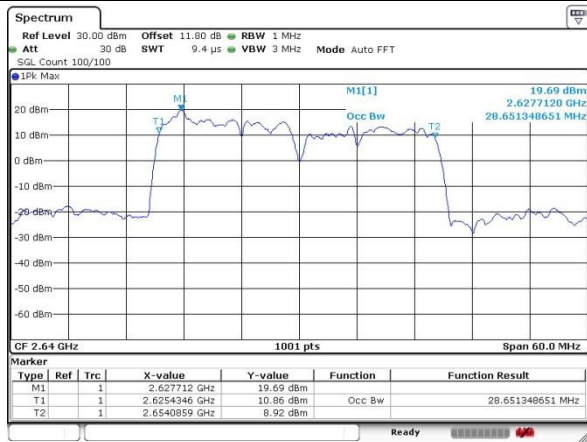
Date: 19 MAY 2017 19:09:37

Middle Channel / 15MHz+20MHz



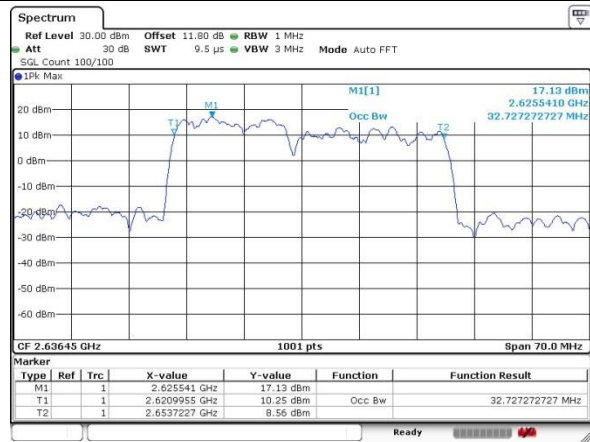
Date: 20 MAY 2017 01:54:29

Highest Channel / 15MHz+15MHz



Date: 19 MAY 2017 19:14:28

Highest Channel / 15MHz+20MHz



Date: 20 MAY 2017 01:49:42