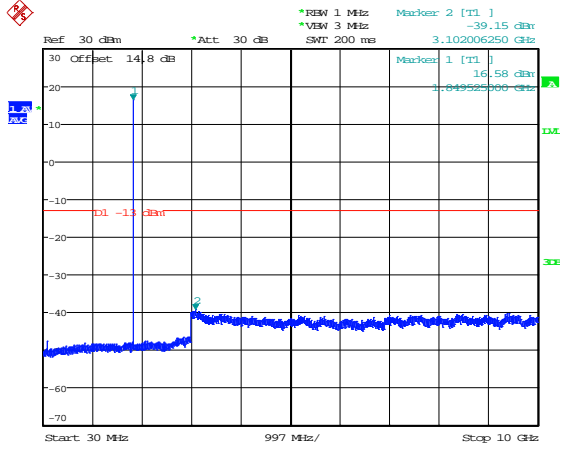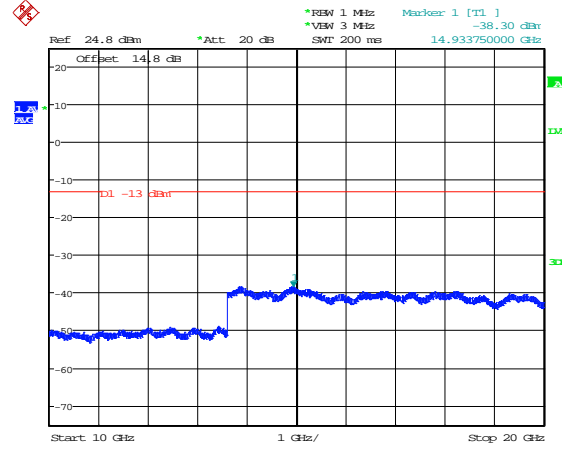## LTE FDD Band 2, Nominal Bandwidth: 1.4MHz, 1RB
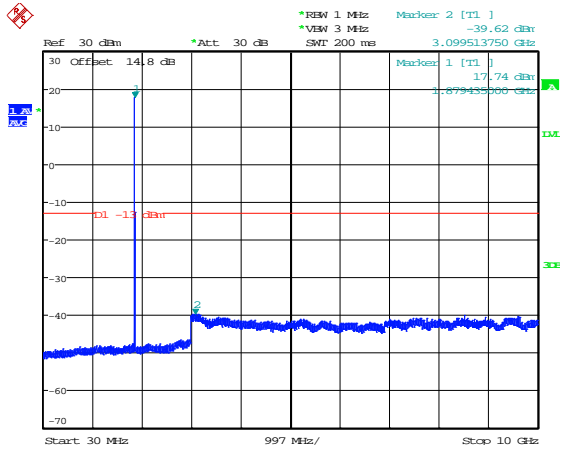
QPSK Low channel-30MHz~10GHz

QPSK Low channel-10GHz~20GHz

QPSK Middle channel-30MHz~10GHz

QPSK Middle channel-10GHz~20GHz

QPSK High channel-30MHz~10GHz

QPSK High channel-10GHz~20GHz

LTE FDD Band 2, Nominal Bandwidth: 3.0MHz, 1RB
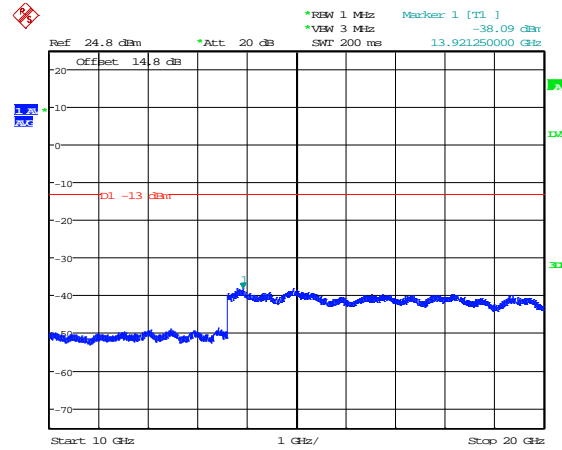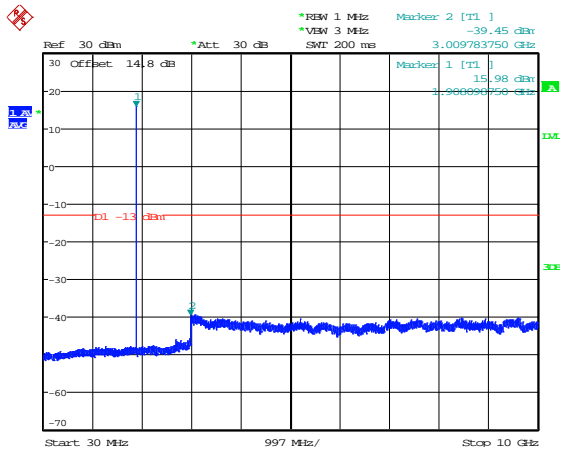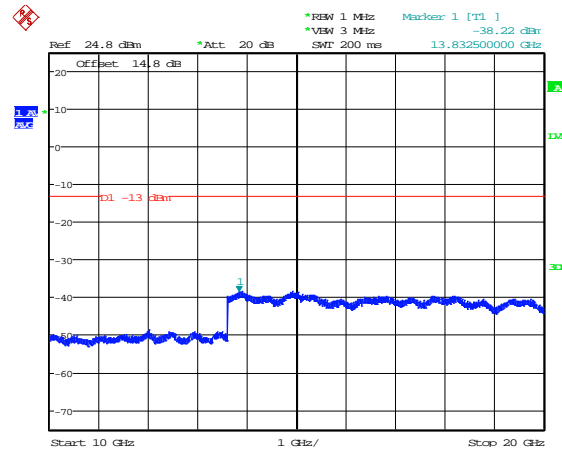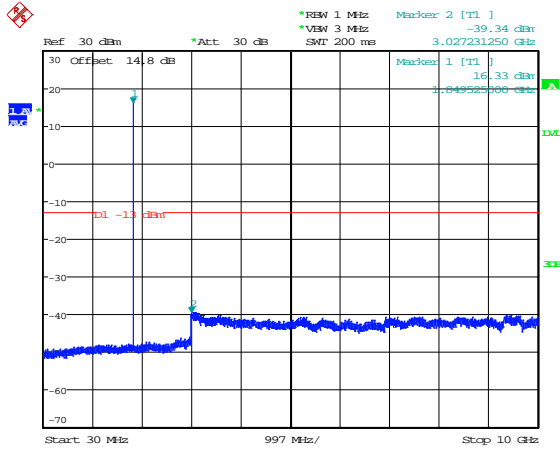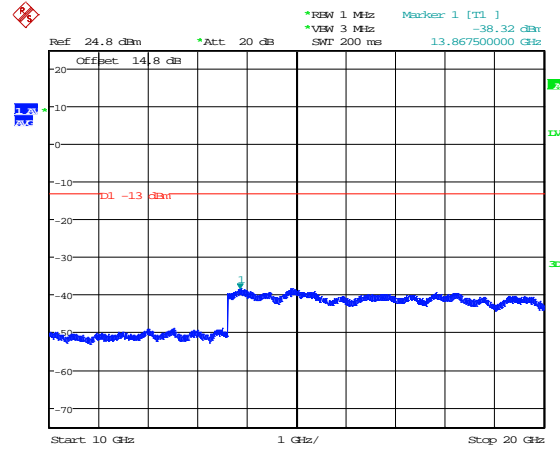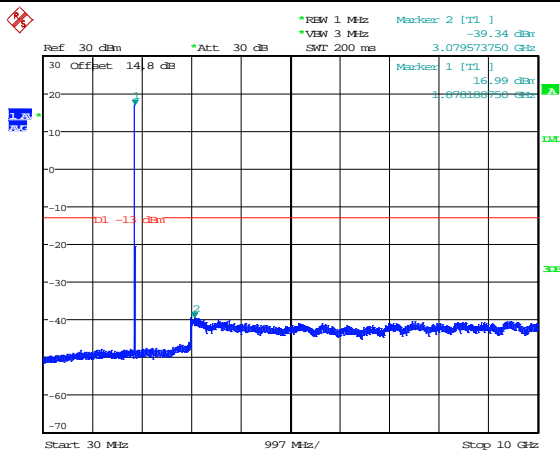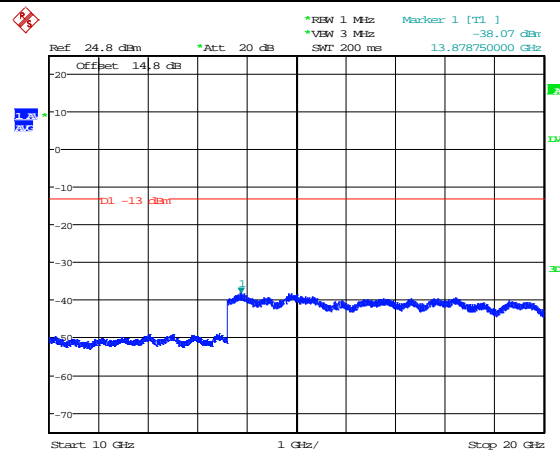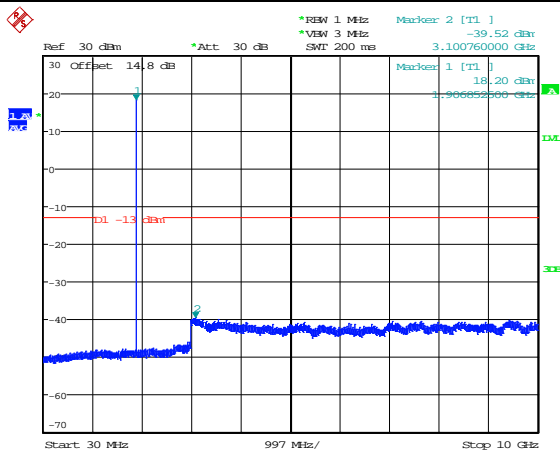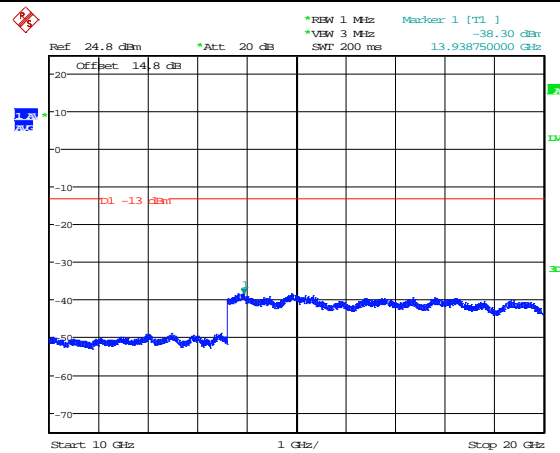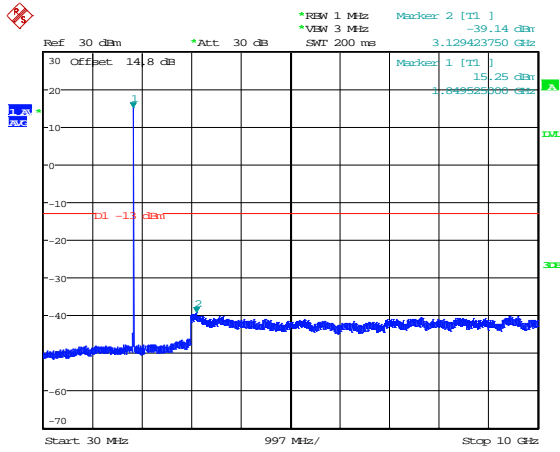
QPSK Low channel-30MHz~10GHz

Ref 30 dBm *Att 30 dB
*RBW 1 MHz
*VBW 3 MHz
SWT 200 ms
Marker 2 [T1]
-39.34 dBm
3.027231250 GHz
Offset 14.8 dB
Marker 1 [T1]
16.33 dBm
1.649525000 GHz
D1 -13 dBm
Start 30 MHz 997 MHz/ Stop 10 GHz

QPSK Low channel-10GHz~20GHz

Ref 24.8 dBm *Att 20 dB
*RBW 1 MHz
*VBW 3 MHz
SWT 200 ms
Marker 1 [T1]
-38.32 dBm
13.867500000 GHz
Offset 14.8 dB
D1 -13 dBm
Start 10 GHz 1 GHz/ Stop 20 GHz

QPSK Middle channel-30MHz~10GHz

Ref 30 dBm *Att 30 dB
*RBW 1 MHz
*VBW 3 MHz
SWT 200 ms
Marker 2 [T1]
-39.34 dBm
3.079573750 GHz
Offset 14.8 dB
Marker 1 [T1]
16.99 dBm
1.676160750 GHz
D1 -13 dBm
Start 30 MHz 997 MHz/ Stop 10 GHz

QPSK Middle channel-10GHz~20GHz

Ref 24.8 dBm *Att 20 dB
*RBW 1 MHz
*VBW 3 MHz
SWT 200 ms
Marker 1 [T1]
-38.07 dBm
13.878750000 GHz
Offset 14.8 dB
D1 -13 dBm
Start 10 GHz 1 GHz/ Stop 20 GHz

QPSK High channel-30MHz~10GHz

Ref 30 dBm *Att 30 dB
*RBW 1 MHz
*VBW 3 MHz
SWT 200 ms
Marker 2 [T1]
-39.52 dBm
3.100760000 GHz
Offset 14.8 dB
Marker 1 [T1]
18.20 dBm
1.906852500 GHz
D1 -13 dBm
Start 30 MHz 997 MHz/ Stop 10 GHz

QPSK High channel-10GHz~20GHz

Ref 24.8 dBm *Att 20 dB
*RBW 1 MHz
*VBW 3 MHz
SWT 200 ms
Marker 1 [T1]
-38.30 dBm
13.938750000 GHz
Offset 14.8 dB
D1 -13 dBm
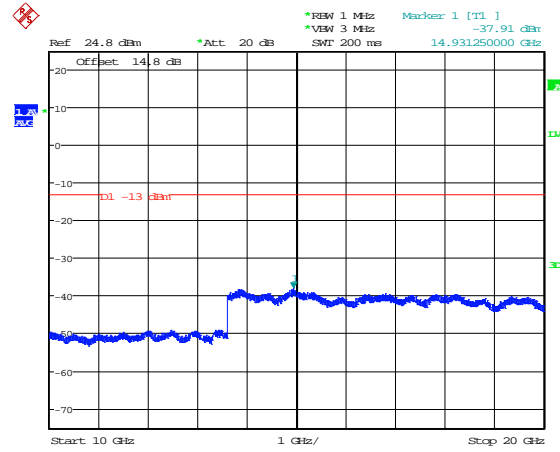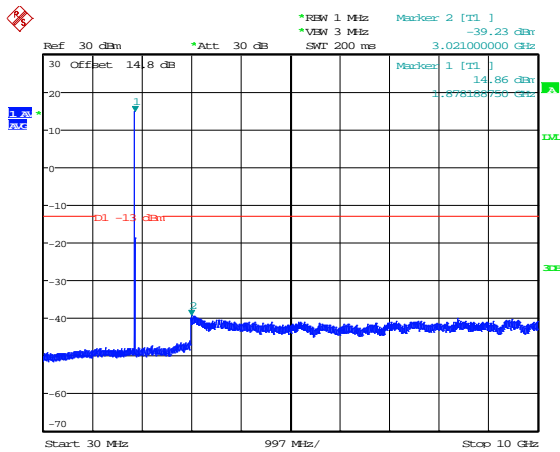Start 10 GHz 1 GHz/ Stop 20 GHz

LTE FDD Band 2, Nominal Bandwidth: 5.0MHz, 1RB

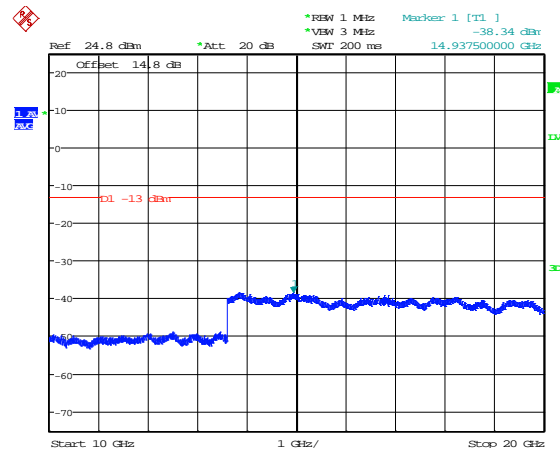### QPSK Low channel-30MHz~10GHz

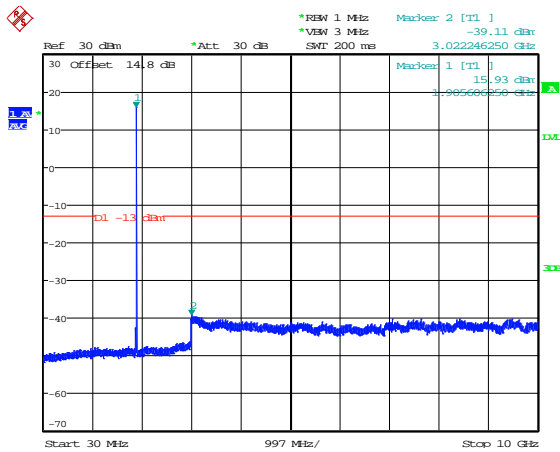
QPSK Low channel-10GHz~20GHz
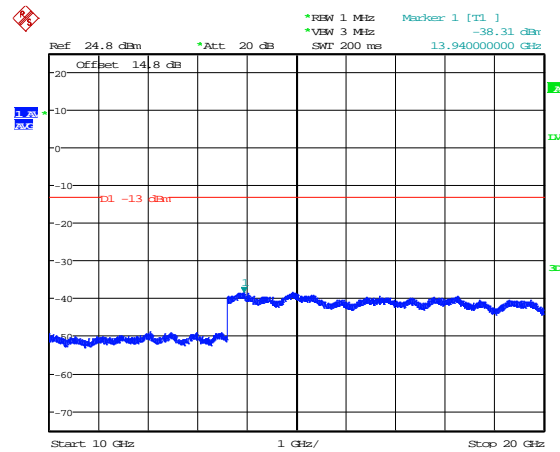

QPSK Middle channel-30MHz~10GHz

QPSK Middle channel-10GHz~20GHz

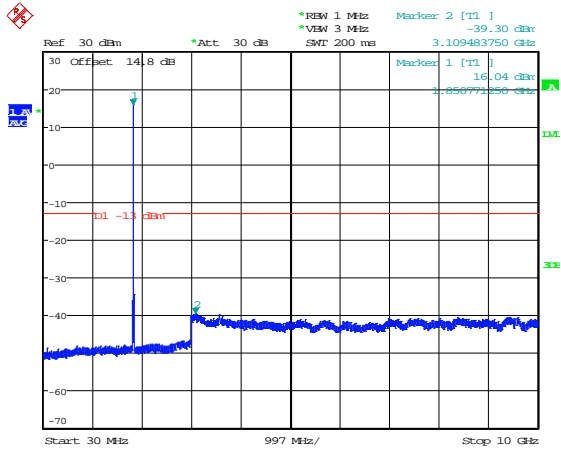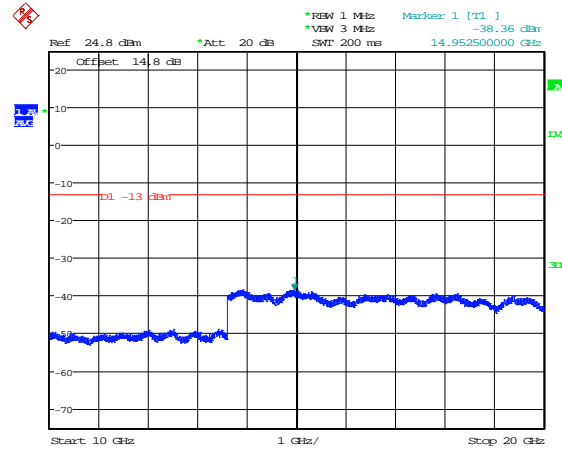### QPSK High channel-30MHz~10GHz

QPSK High channel-10GHz~20GHz
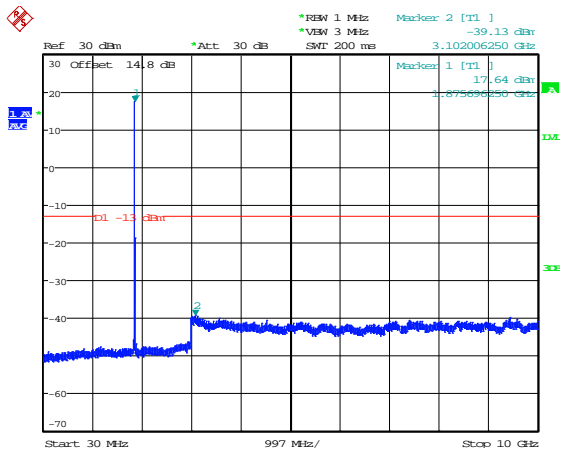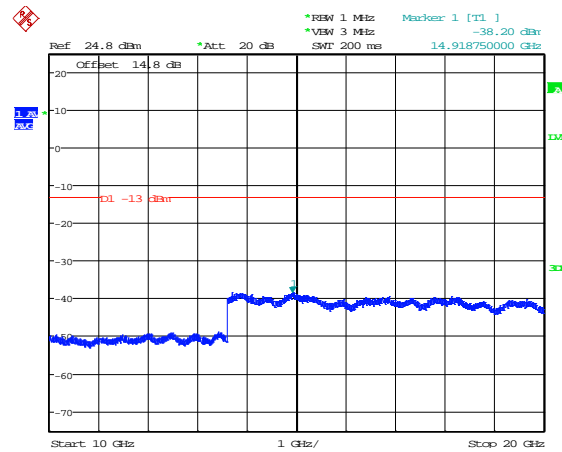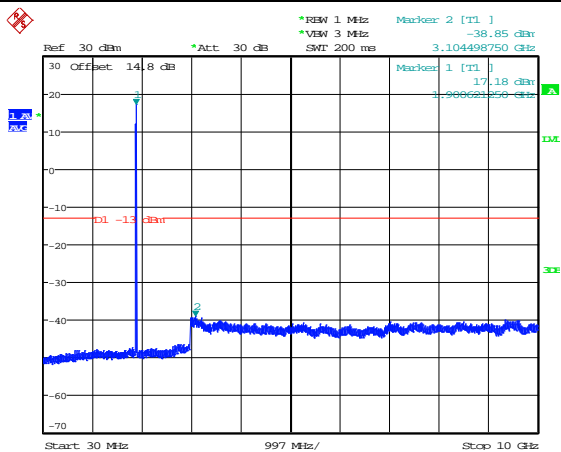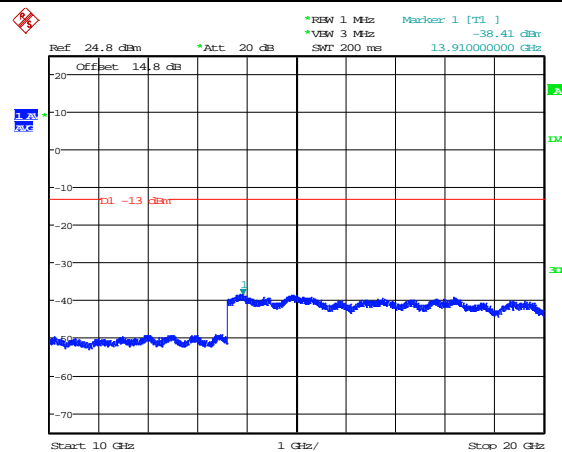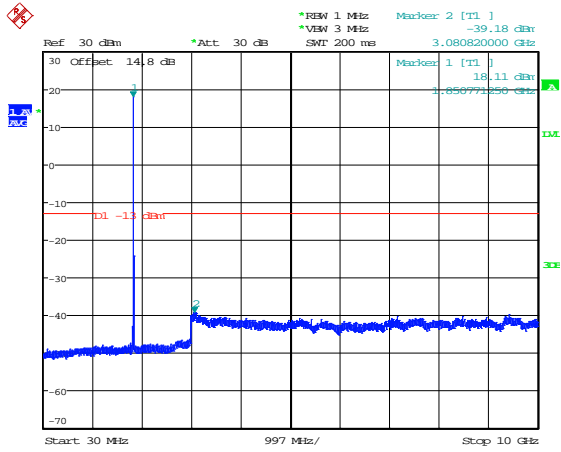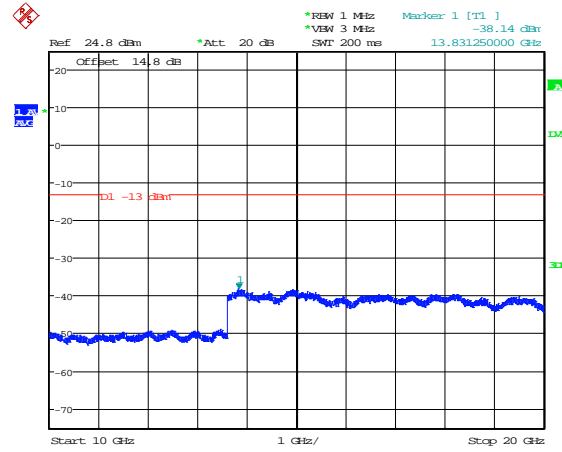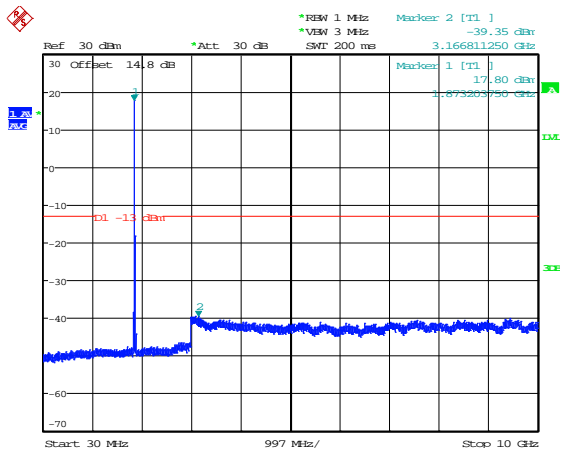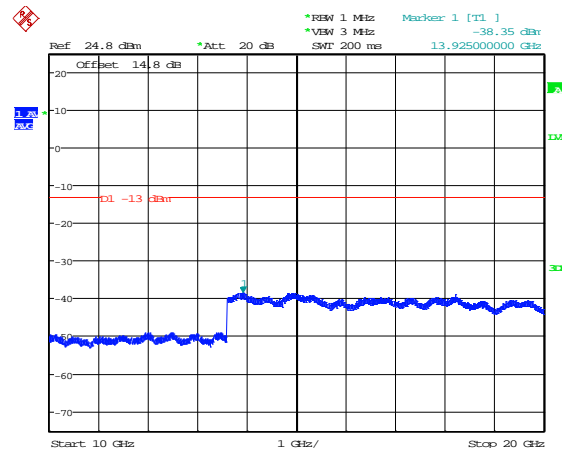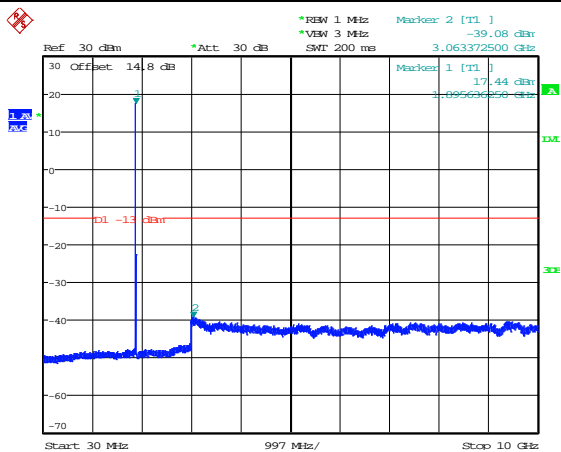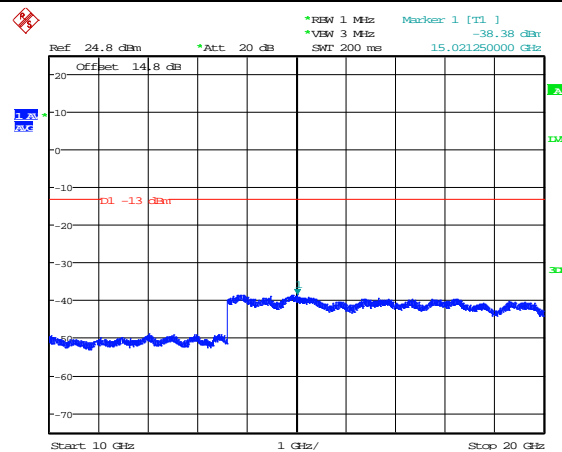
LTE FDD Band 2, Nominal Bandwidth: 10MHz, 1RB

QPSK Low channel-30MHz~10GHz

QPSK Low channel-10GHz~20GHz

QPSK Middle channel-30MHz~10GHz

QPSK Middle channel-10GHz~20GHz

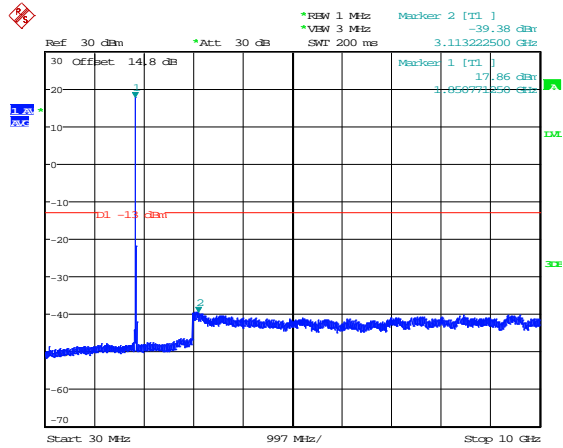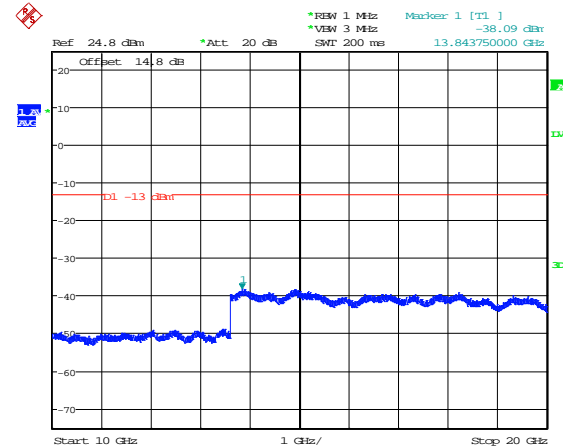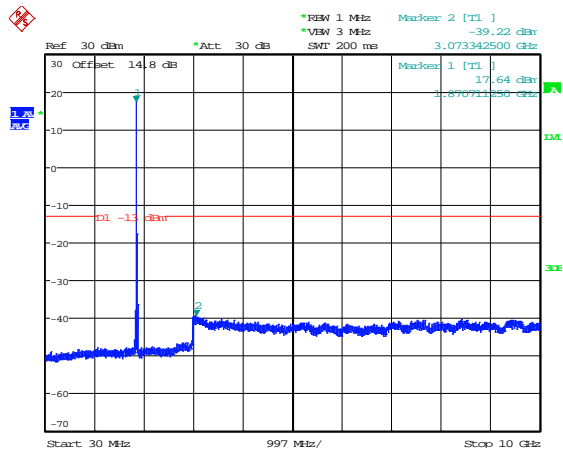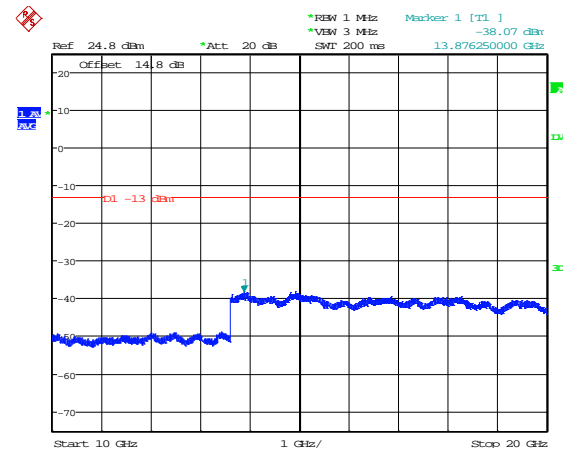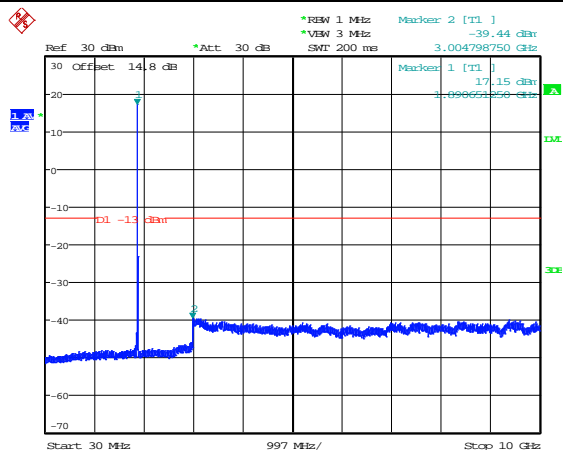### QPSK High channel-30MHz~10GHz

QPSK High channel-10GHz~20GHz

LTE FDD Band 2, Nominal Bandwidth: 15MHz, 1RB

QPSK Low channel-30MHz~10GHz

Ref 30 dBm *Att 30 dB
Offset 14.8 dB
*RBW 1 MHz
*VBW 3 MHz
SWT 200 ms
Marker 2 [T1] -39.18 dBm
3.080820000 GHz
Marker 1 [T1] 18.11 dBm
1.850771250 GHz
D1 -13 dBm
Start 30 MHz   997 MHz/   Stop 10 GHz

QPSK Low channel-10GHz~20GHz

Ref 24.8 dBm *Att 20 dB
Offset 14.8 dB
*RBW 1 MHz
*VBW 3 MHz
SWT 200 ms
Marker 1 [T1] -38.14 dBm
13.831250000 GHz
D1 -13 dBm
Start 10 GHz   1 GHz/   Stop 20 GHz

QPSK Middle channel-30MHz~10GHz

Ref 30 dBm *Att 30 dB
Offset 14.8 dB
*RBW 1 MHz
*VBW 3 MHz
SWT 200 ms
Marker 2 [T1] -39.35 dBm
3.166811250 GHz
Marker 1 [T1] 17.80 dBm
1.873203750 GHz
D1 -13 dBm
Start 30 MHz   997 MHz/   Stop 10 GHz

QPSK Middle channel-10GHz~20GHz

Ref 24.8 dBm *Att 20 dB
Offset 14.8 dB
*RBW 1 MHz
*VBW 3 MHz
SWT 200 ms
Marker 1 [T1] -38.35 dBm
13.925000000 GHz
D1 -13 dBm
Start 10 GHz   1 GHz/   Stop 20 GHz

QPSK High channel-30MHz~10GHz

Ref 30 dBm *Att 30 dB
Offset 14.8 dB
*RBW 1 MHz
*VBW 3 MHz
SWT 200 ms
Marker 2 [T1] -39.08 dBm
3.063372500 GHz
Marker 1 [T1] 17.44 dBm
1.095636250 GHz
D1 -13 dBm
Start 30 MHz   997 MHz/   Stop 10 GHz

QPSK High channel-10GHz~20GHz

Ref 24.8 dBm *Att 20 dB
Offset 14.8 dB
*RBW 1 MHz
*VBW 3 MHz
SWT 200 ms
Marker 1 [T1] -38.38 dBm
15.021250000 GHz
D1 -13 dBm
Start 10 GHz   1 GHz/   Stop 20 GHz

LTE FDD Band 2, Nominal Bandwidth: 20MHz, 1RB

QPSK Low channel-30MHz~10GHz

QPSK Low channel-10GHz~20GHz

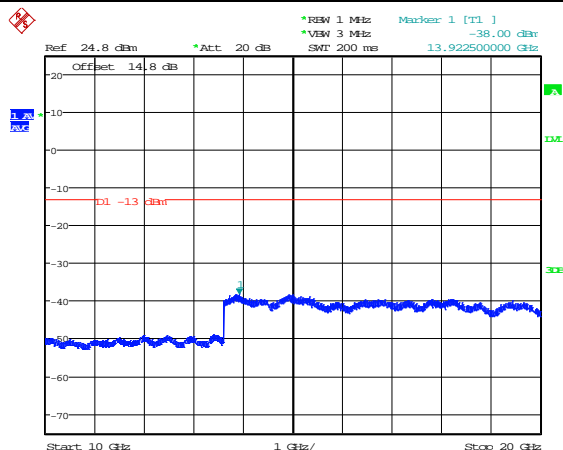### QPSK Middle channel-30MHz~10GHz

QPSK Middle channel-10GHz~20GHz
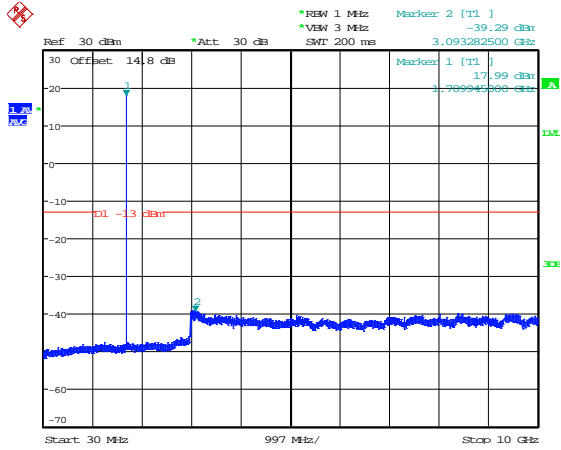

QPSK High channel-30MHz~10GHz

QPSK High channel-10GHz~20GHz
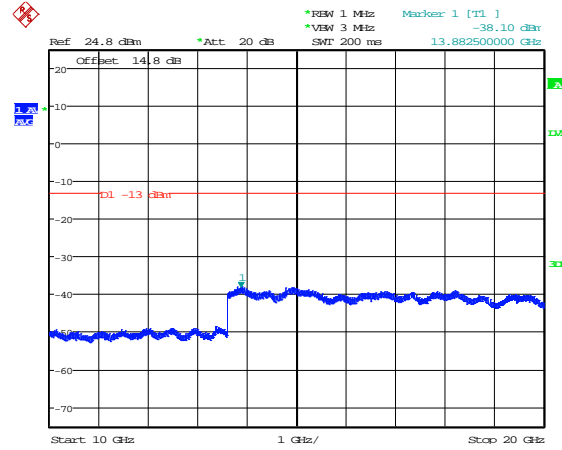

Note: All modes have been tested and we found QPSK modulation, 1 RB/0 offset test mode has the worst test result. Only record the worst test result.
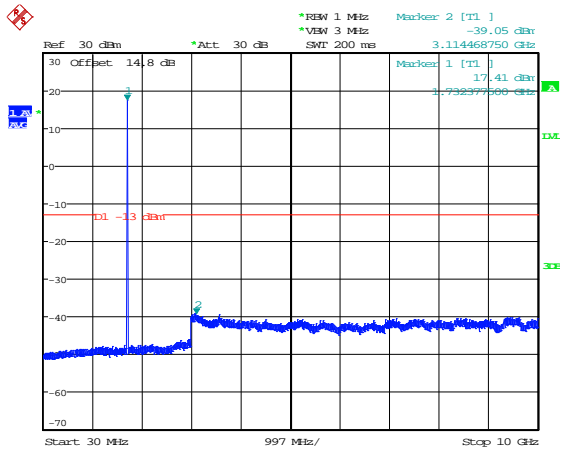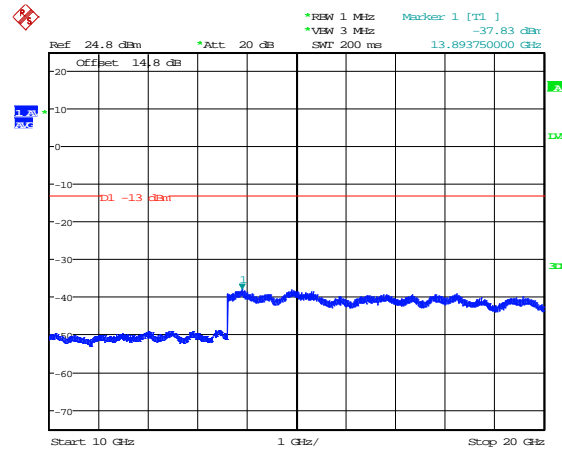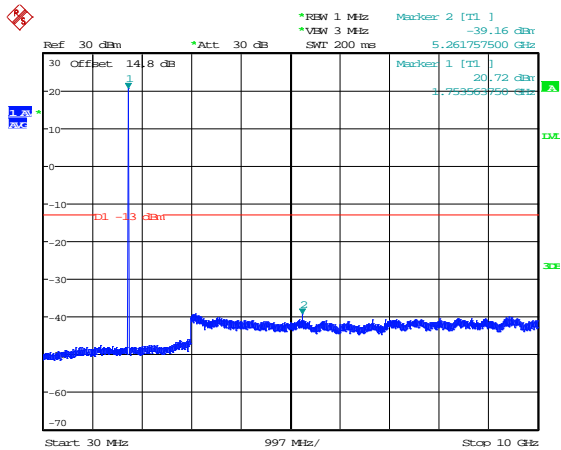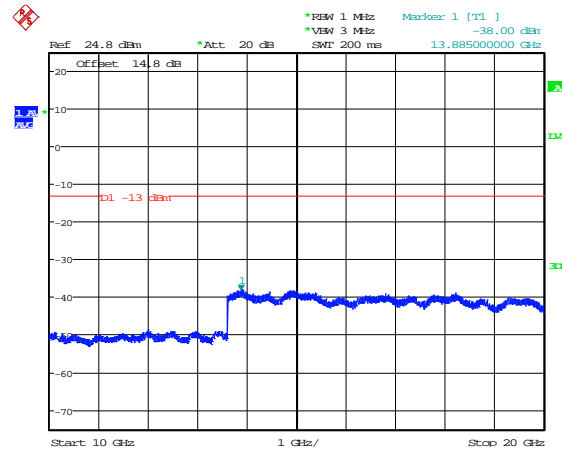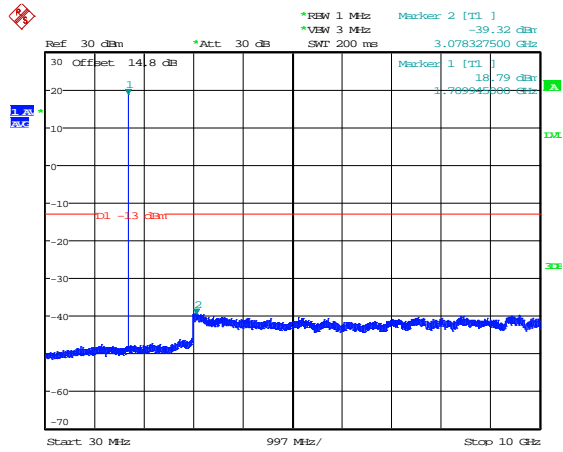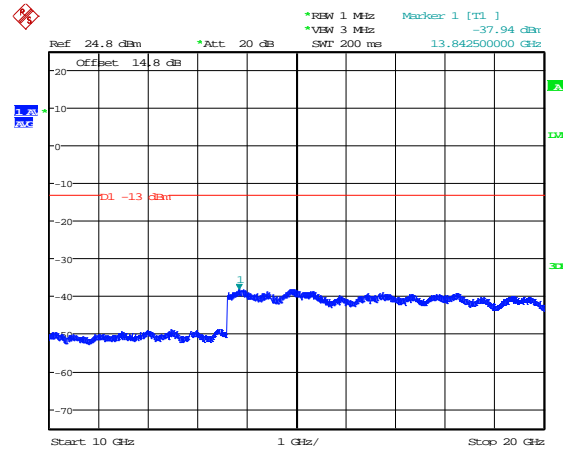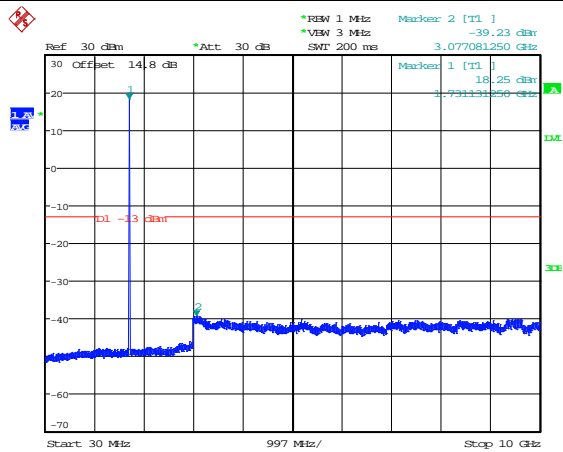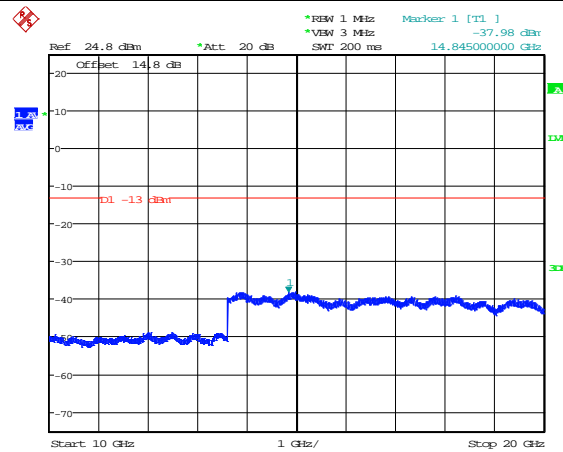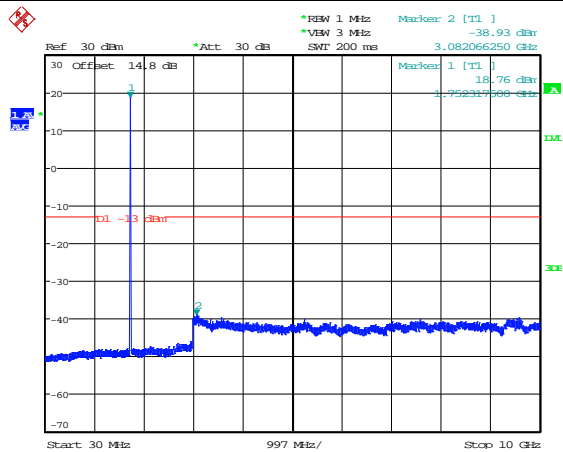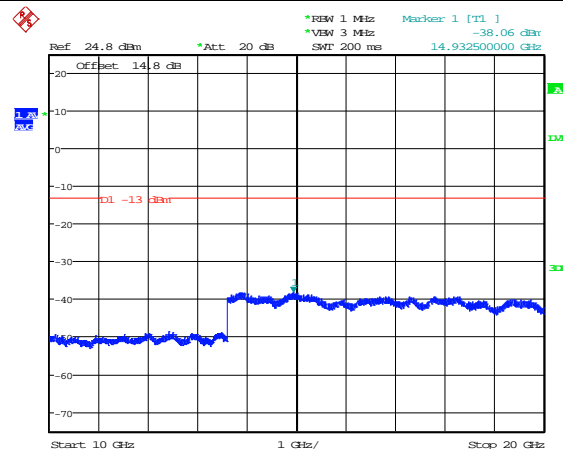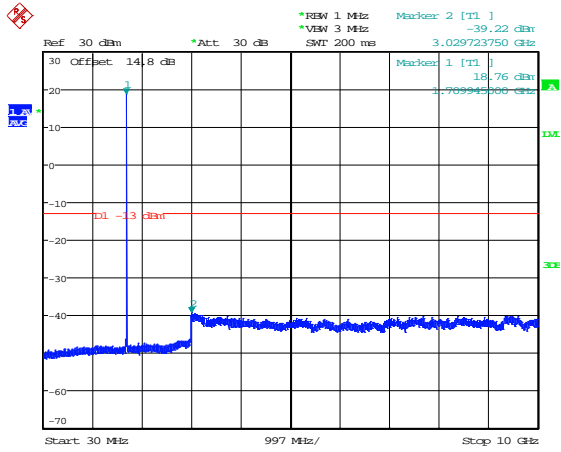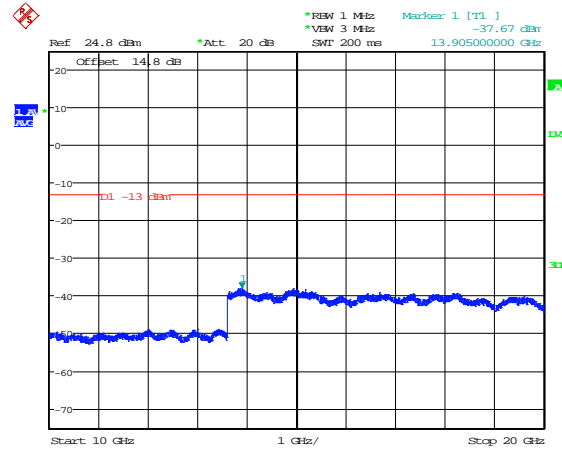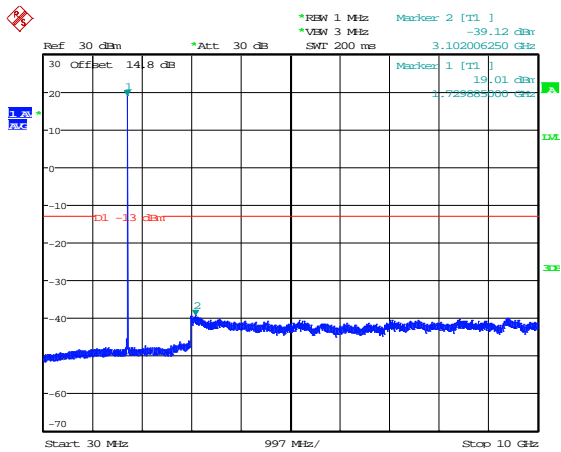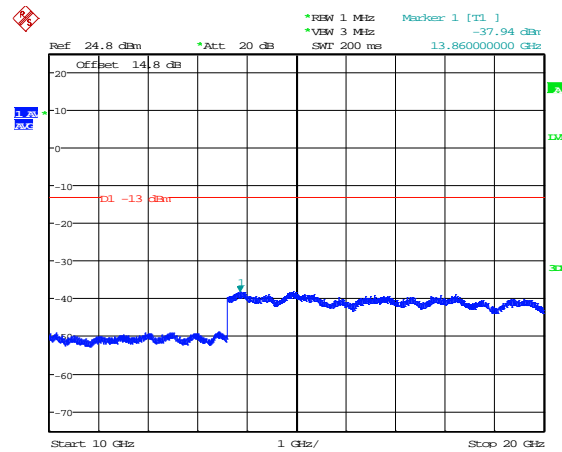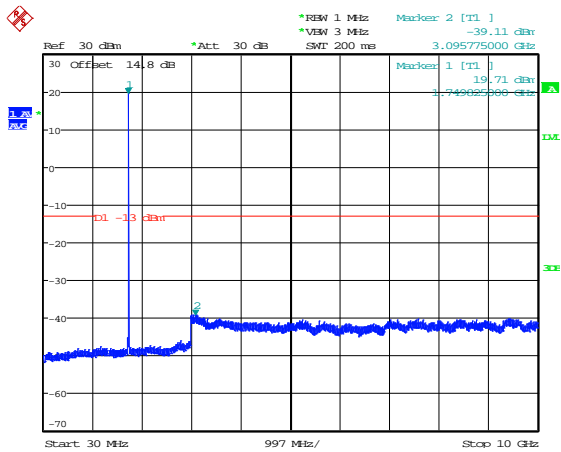
LTE FDD Band 4, Nominal Bandwidth: 1.4MHz, 1RB

QPSK Low channel-30MHz~10GHz

QPSK Low channel-10GHz~20GHz

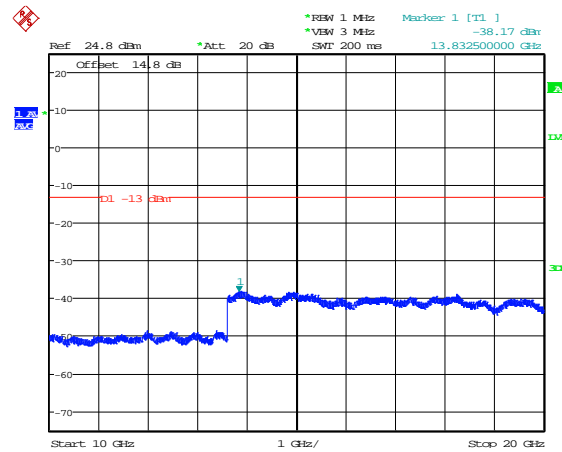### QPSK Middle channel-30MHz~10GHz

QPSK Middle channel-10GHz~20GHz
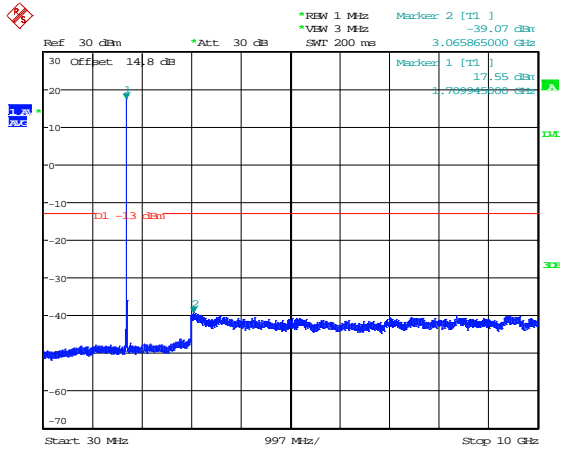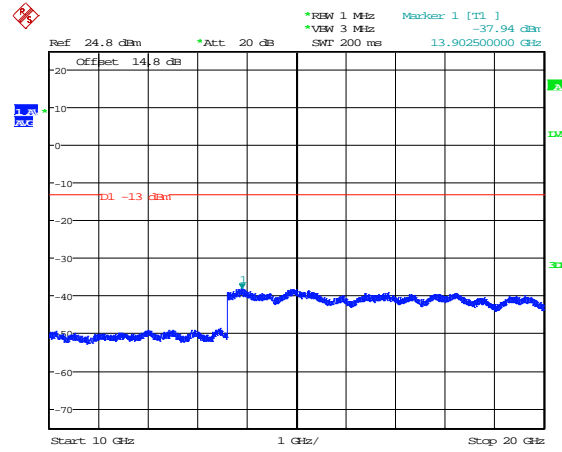

QPSK High channel-30MHz~10GHz

QPSK High channel-10GHz~20GHz

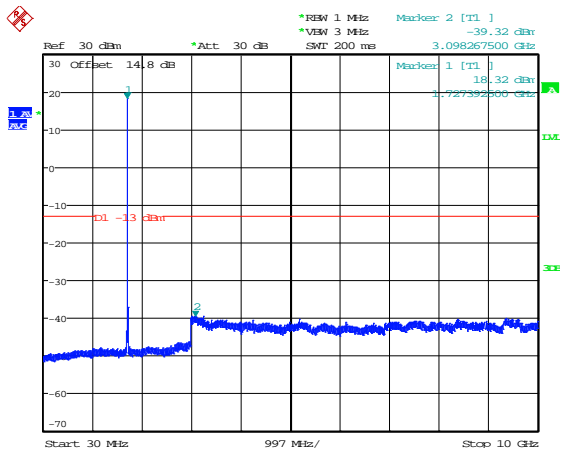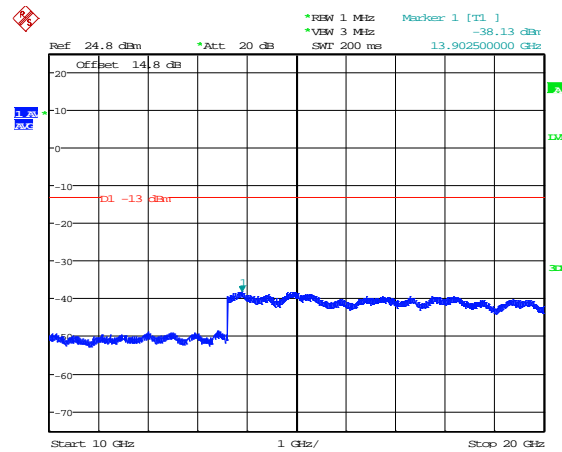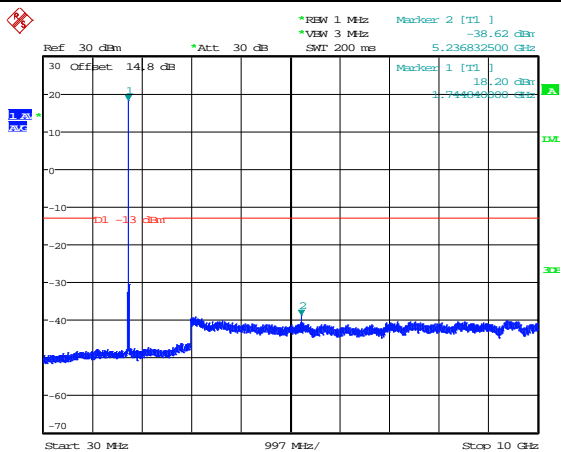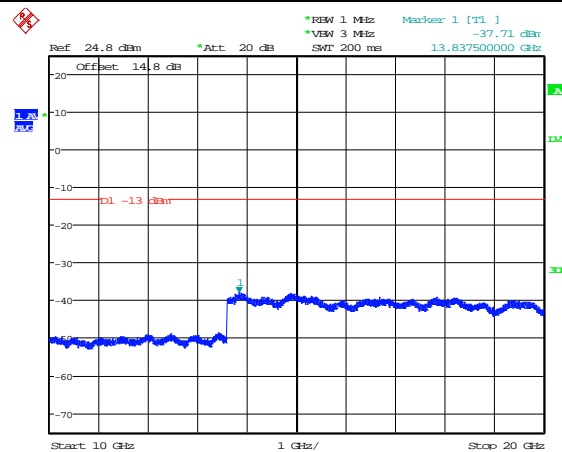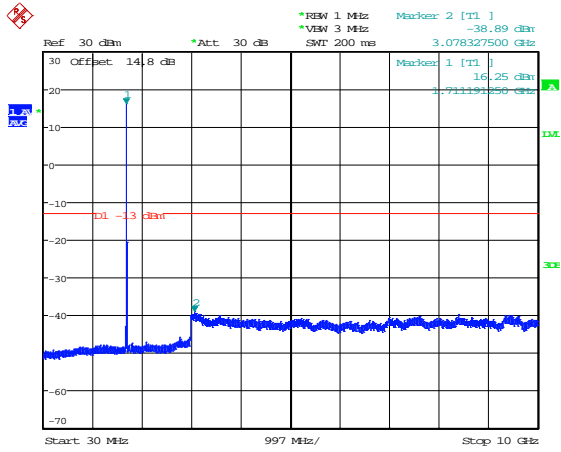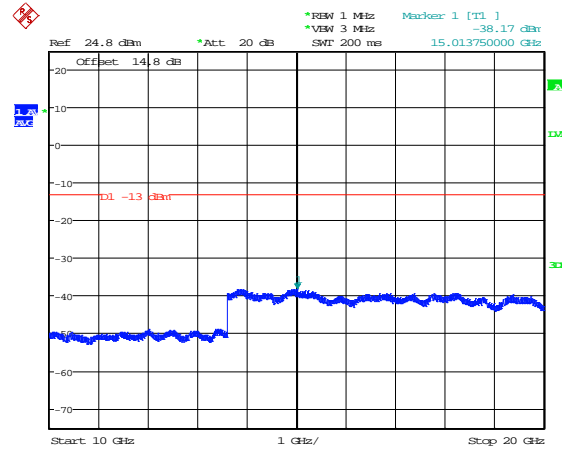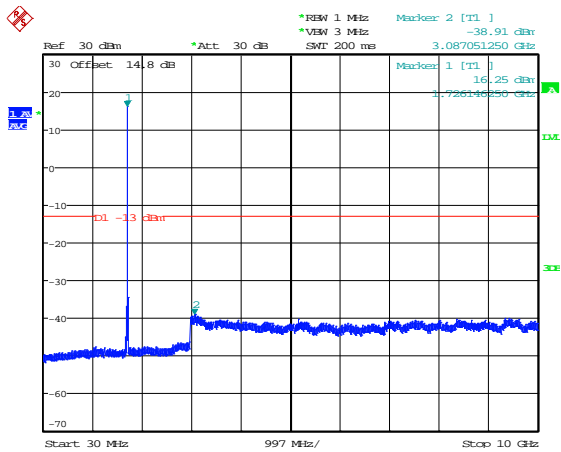## LTE FDD Band 4, Nominal Bandwidth: 3.0MHz, 1RB

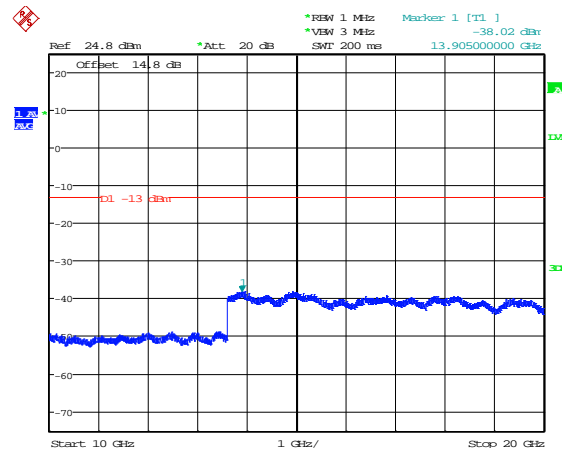### QPSK Low channel-30MHz~10GHz
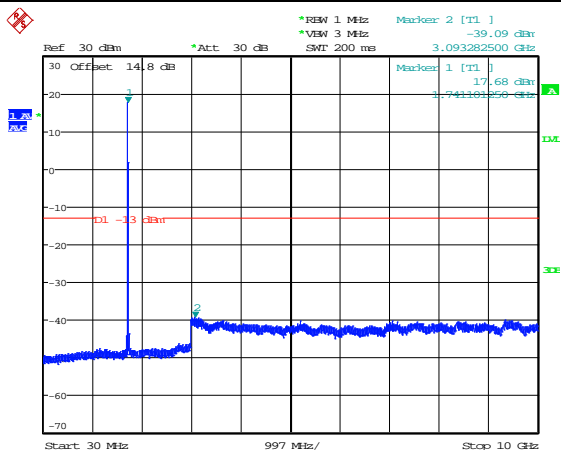

QPSK Low channel-10GHz~20GHz

QPSK Middle channel-30MHz~10GHz
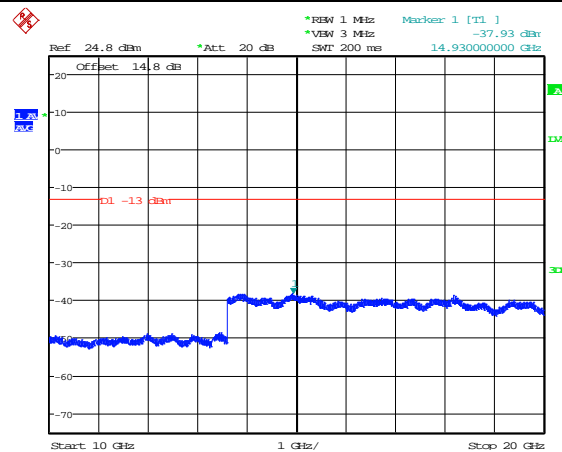

QPSK Middle channel-10GHz~20GHz

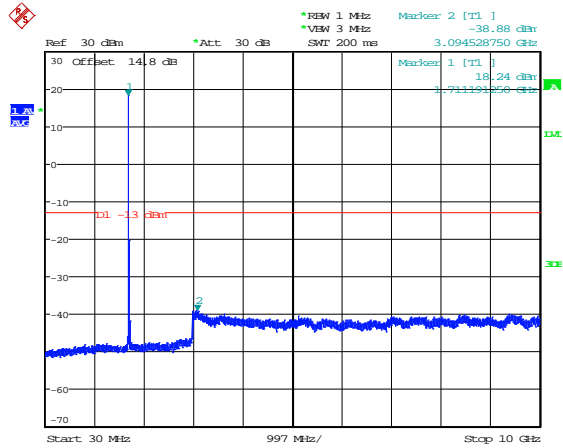### QPSK High channel-30MHz~10GHz
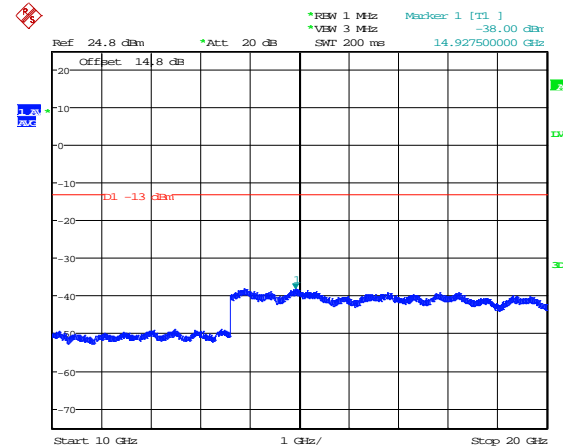

QPSK High channel-10GHz~20GHz

LTE FDD Band 4, Nominal Bandwidth: 5.0MHz, 1RB

QPSK Low channel-30MHz~10GHz

QPSK Low channel-10GHz~20GHz

QPSK Middle channel-30MHz~10GHz

QPSK Middle channel-10GHz~20GHz

QPSK High channel-30MHz~10GHz

QPSK High channel-10GHz~20GHz
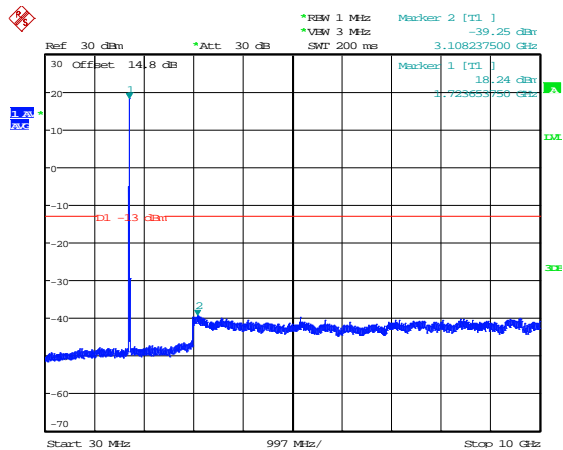
LTE FDD Band 4, Nominal Bandwidth: 10MHz, 1RB
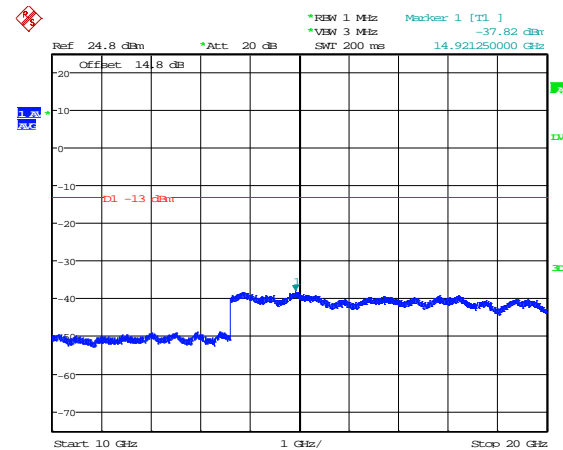
QPSK Low channel-30MHz~10GHz
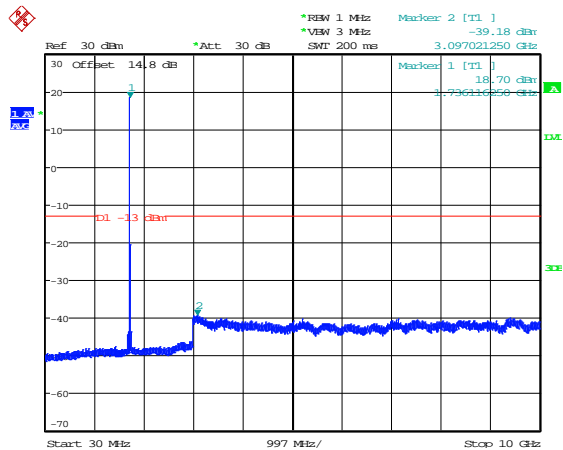

QPSK Low channel-10GHz~20GHz

QPSK Middle channel-30MHz~10GHz

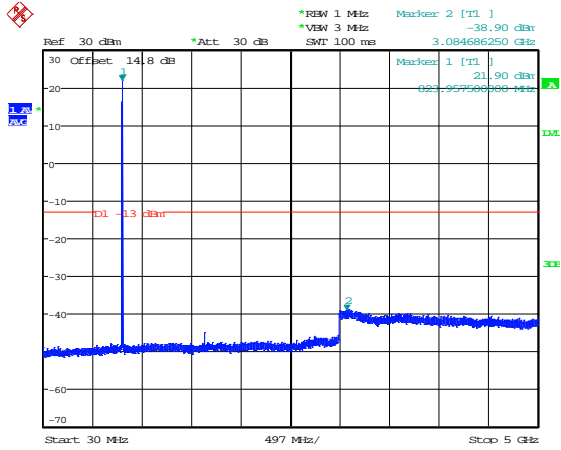### QPSK Middle channel-10GHz~20GHz

QPSK High channel-30MHz~10GHz

QPSK High channel-10GHz~20GHz

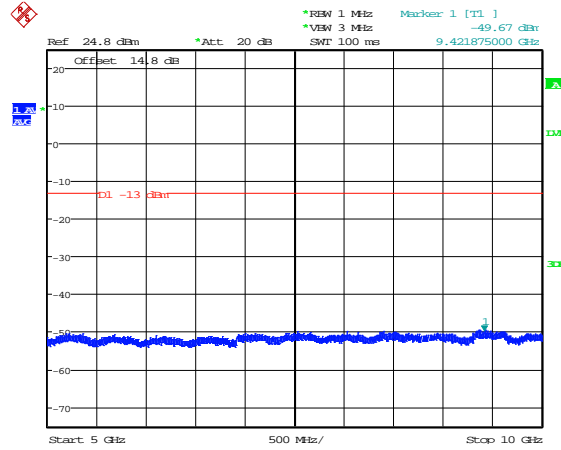## LTE FDD Band 4, Nominal Bandwidth: 15MHz, 1RB

QPSK Low channel-30MHz~10GHz

QPSK Low channel-10GHz~20GHz

QPSK Middle channel-30MHz~10GHz

QPSK Middle channel-10GHz~20GHz

QPSK High channel-30MHz~10GHz

QPSK High channel-10GHz~20GHz

LTE FDD Band 4, Nominal Bandwidth: 20MHz, 1RB

QPSK Low channel-30MHz~10GHz

QPSK Low channel-10GHz~20GHz

QPSK Middle channel-30MHz~10GHz

QPSK Middle channel-10GHz~20GHz

QPSK High channel-30MHz~10GHz

QPSK High channel-10GHz~20GHz

Note: All modes have been tested and we found QPSK modulation, 1 RB/0 offset test mode has the worst test result. Only record the worst test result.
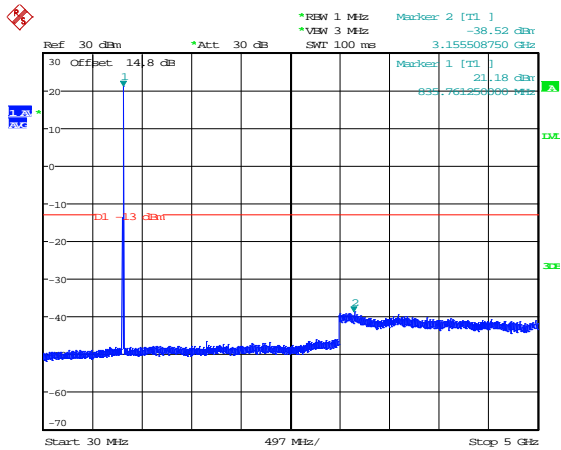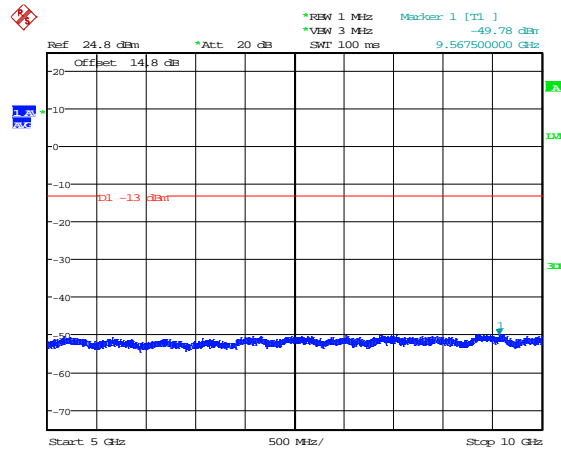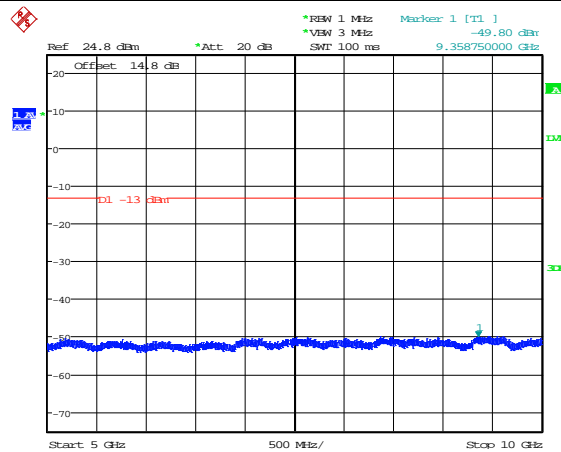
LTE FDD Band 5, Nominal Bandwidth: 1.4MHz, 1RB

QPSK Low channel-30MHz~5GHz

QPSK Low channel-5GHz~10GHz

QPSK Middle channel-30MHz~5GHz

QPSK Middle channel-5GHz~10GHz

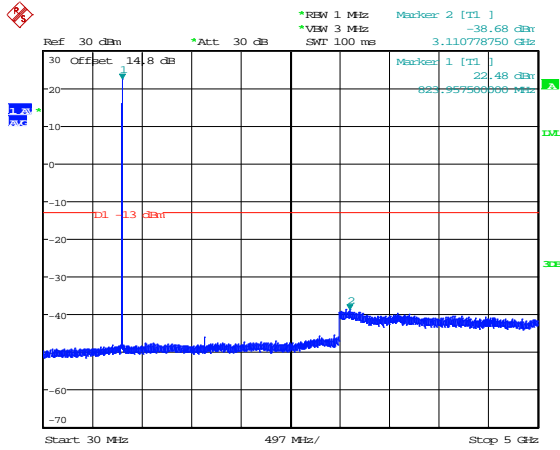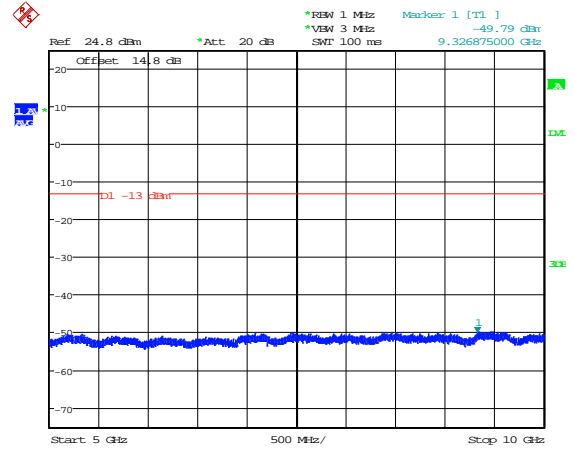### QPSK High channel-30MHz~5GHz

QPSK High channel-5GHz~10GHz
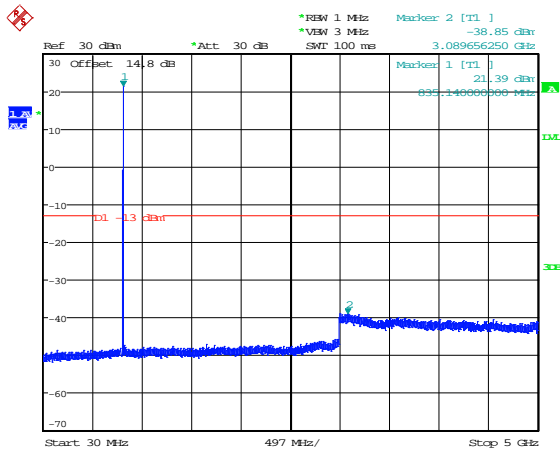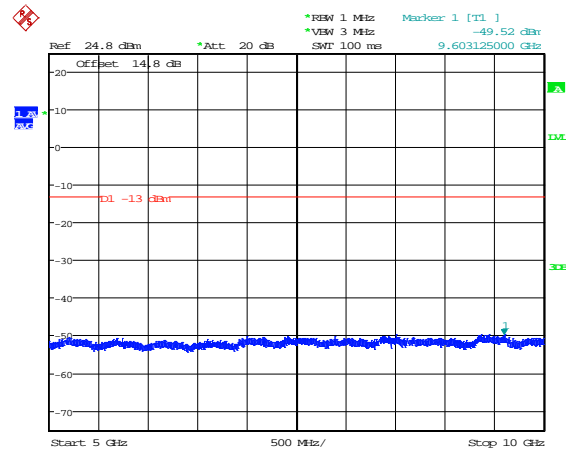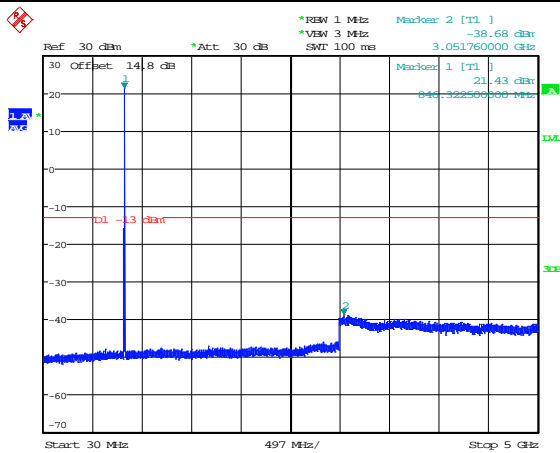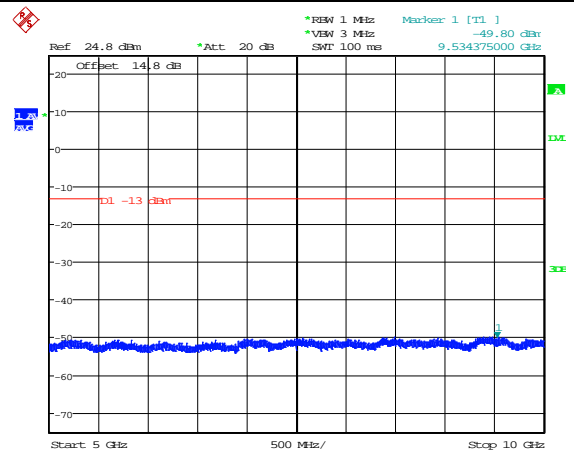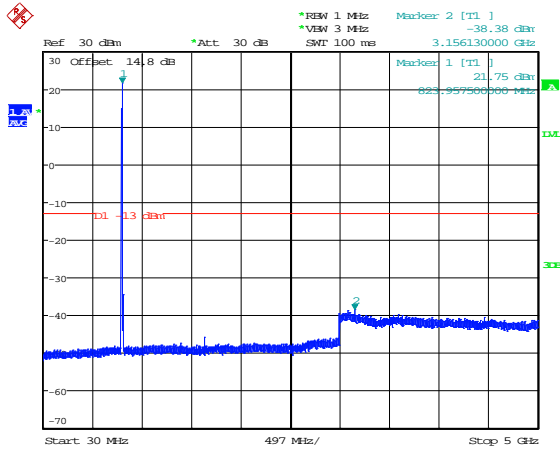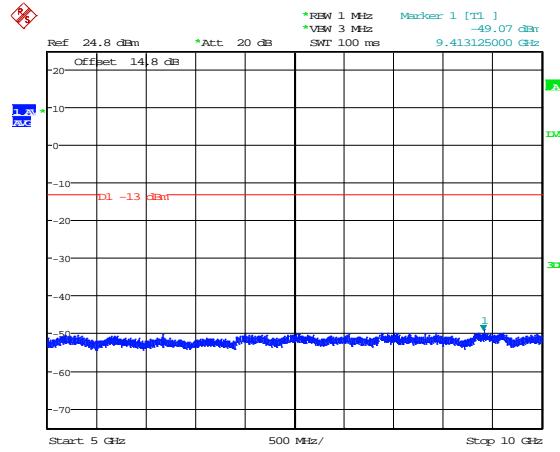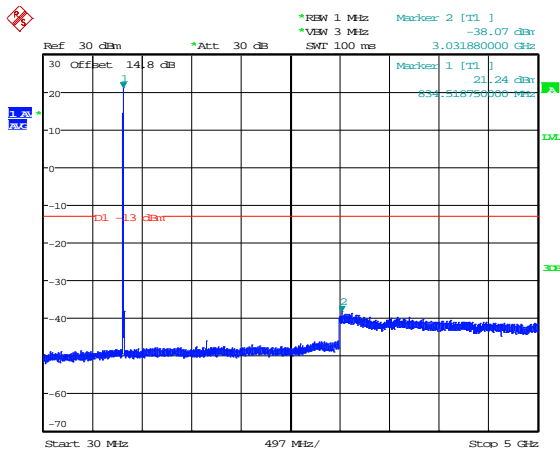
LTE FDD Band 5, Nominal Bandwidth: 3.0MHz, 1RB

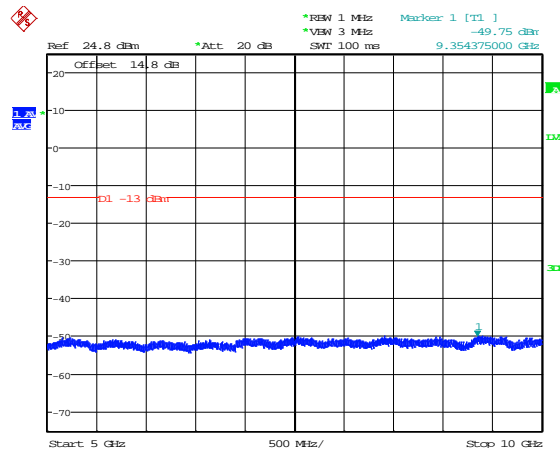### QPSK Low channel-30MHz~5GHz
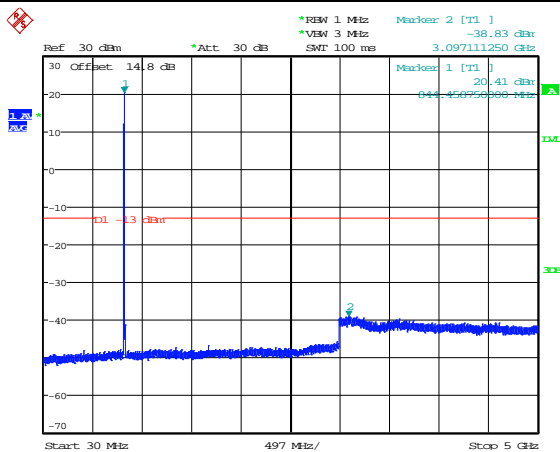

QPSK Low channel-5GHz~10GHz
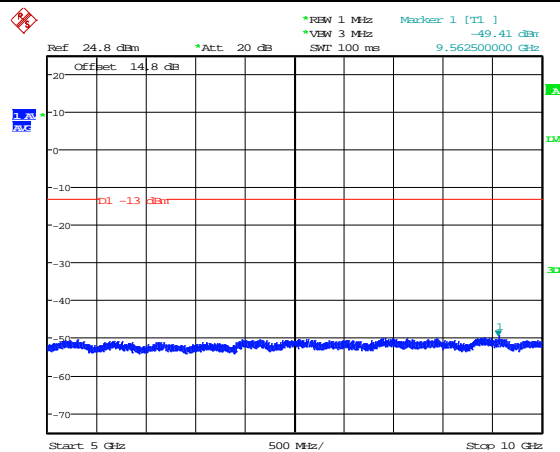

QPSK Middle channel-30MHz~5GHz

QPSK Middle channel-5GHz~10GHz

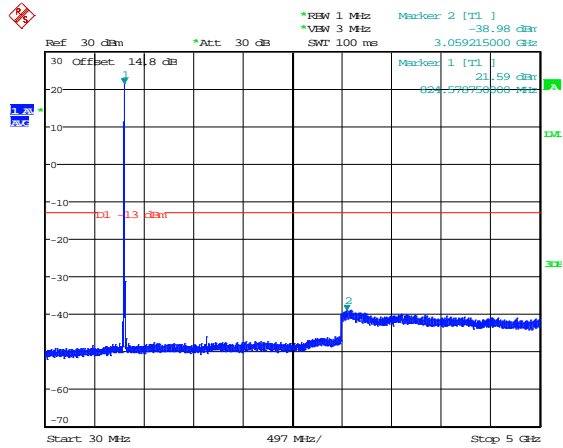### QPSK High channel-30MHz~5GHz

QPSK High channel-5GHz~10GHz

LTE FDD Band 5, Nominal Bandwidth: 5.0MHz, 1RB

QPSK Low channel-30MHz~5GHz

QPSK Low channel-5GHz~10GHz

QPSK Middle channel-30MHz~5GHz

QPSK Middle channel-5GHz~10GHz

QPSK High channel-30MHz~5GHz

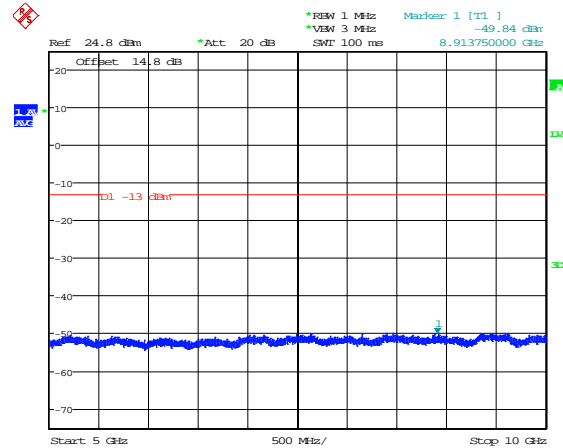

QPSK High channel-5GHz~10GHz
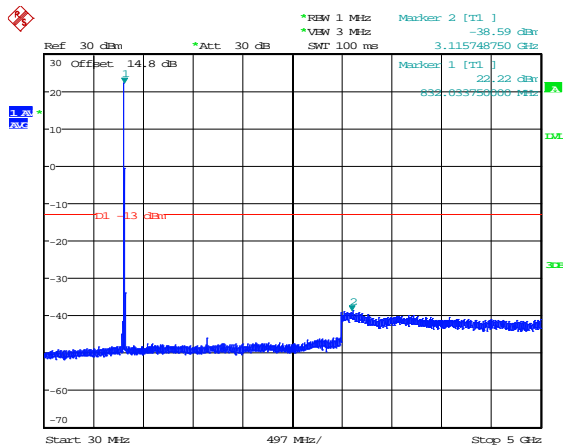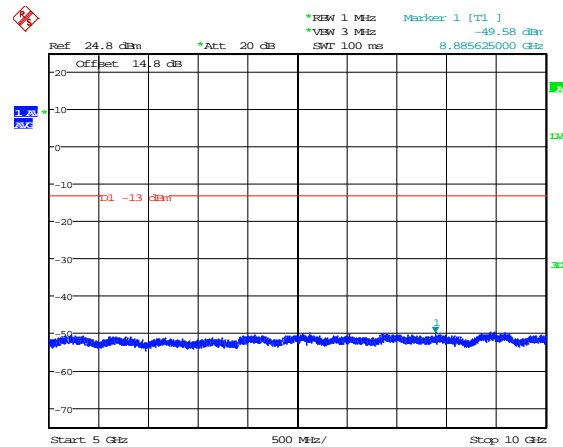
LTE FDD Band 5, Nominal Bandwidth: 10MHz, 1RB

QPSK Low channel-30MHz~5GHz	QPSK Low channel-5GHz~10GHz

QPSK Middle channel-30MHz~5GHz	QPSK Middle channel-5GHz~10GHz

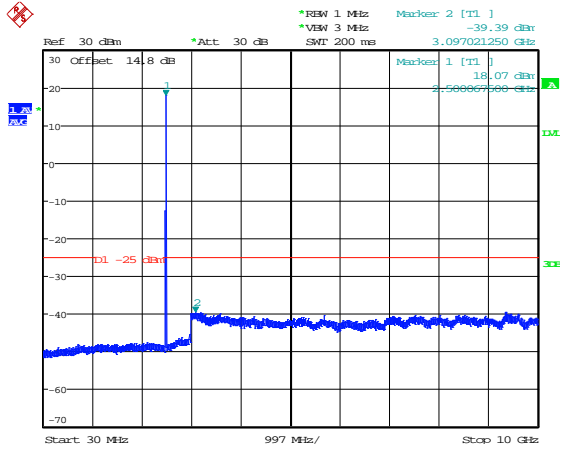| QPSK High channel-30MHz~5GHz	QPSK High channel-5GHz~10GHz

Note: All modes have been tested and we found QPSK modulation, 1 RB/0 offset test mode has the worst test result. Only record the worst test result.
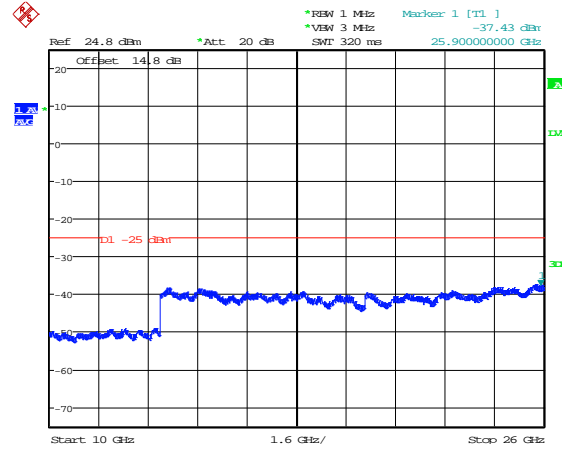
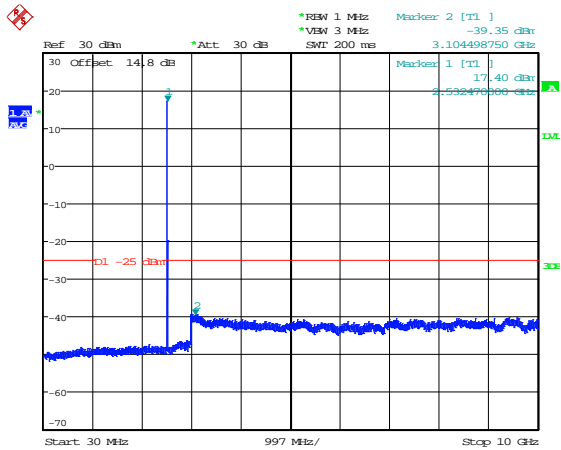## LTE FDD Band 7, Nominal Bandwidth: 5.0MHz, 1RB
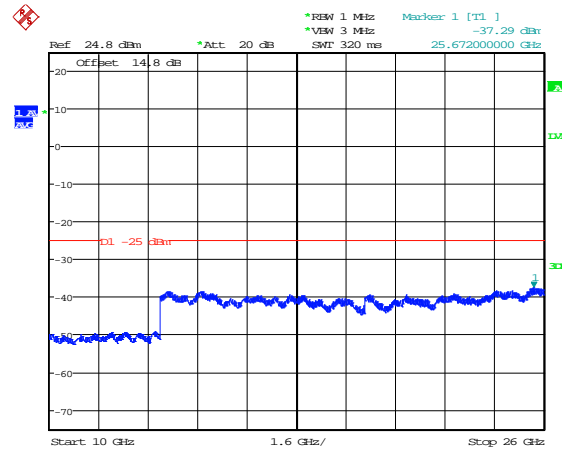
QPSK Low channel-30MHz~10GHz

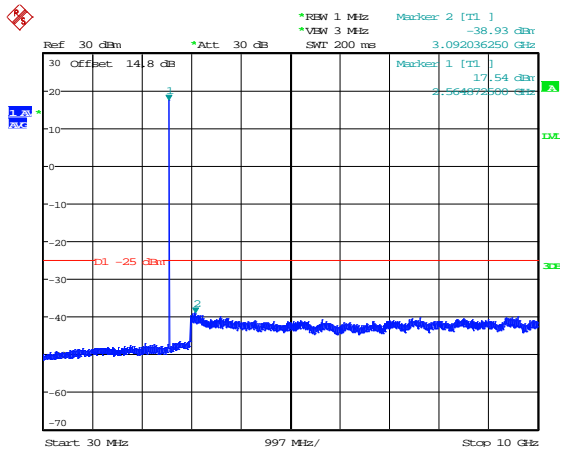### QPSK Low channel-10GHz~26GHz

QPSK Middle channel-30MHz~10GHz
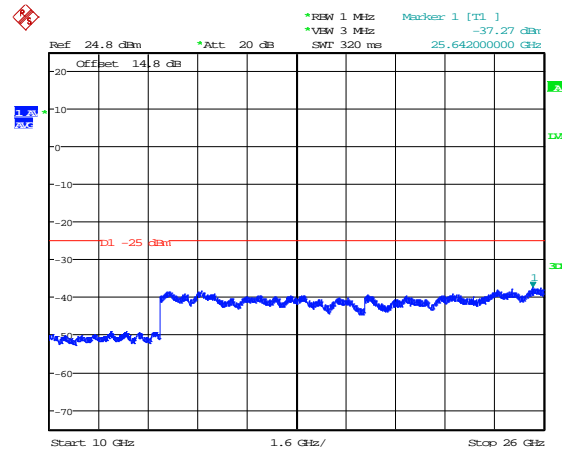

QPSK Middle channel-10GHz~26GHz

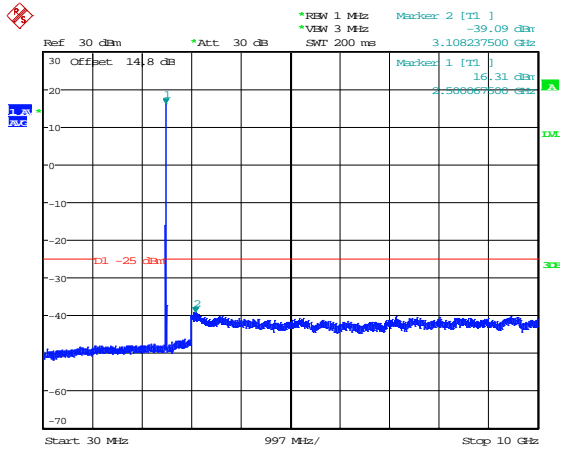### QPSK High channel-30MHz~10GHz
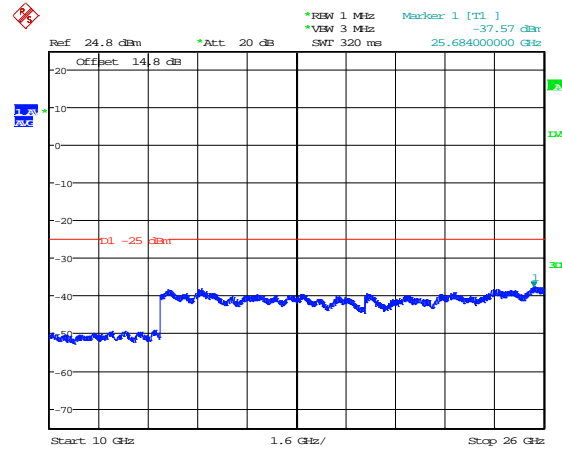

QPSK High channel-10GHz~26GHz
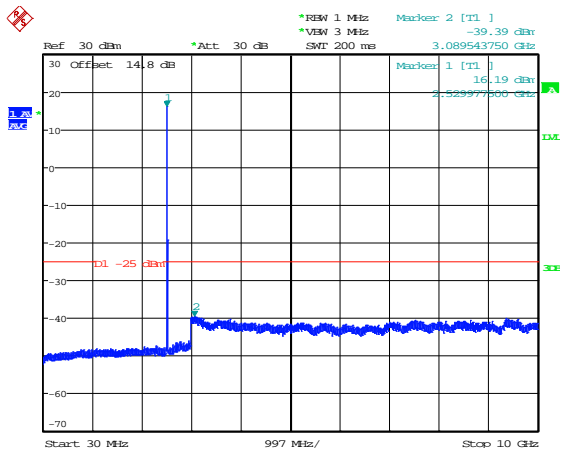
LTE FDD Band 7, Nominal Bandwidth: 10MHz, 1RB

QPSK Low channel-30MHz~10GHz	QPSK Low channel-10GHz~26GHz

QPSK Middle channel-30MHz~10GHz	QPSK Middle channel-10GHz~26GHz

QPSK High channel-30MHz~10GHz	QPSK High channel-10GHz~26GHz

LTE FDD Band 7, Nominal Bandwidth: 15MHz, 1RB

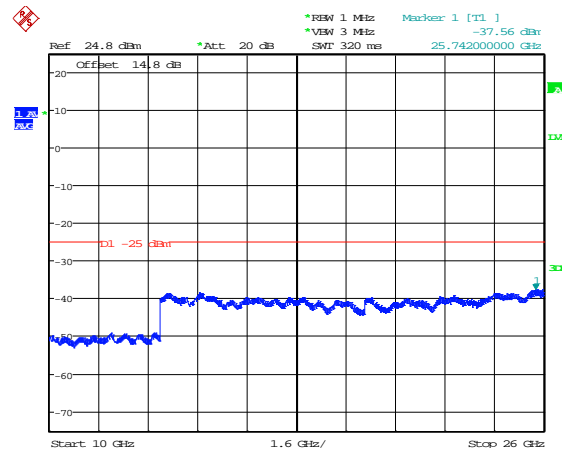### QPSK Low channel-30MHz~10GHz

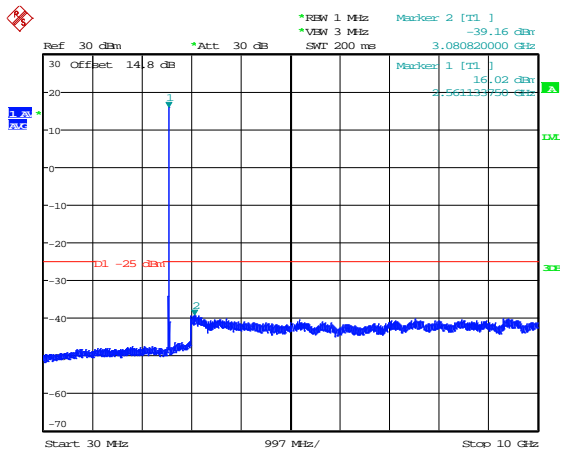### QPSK Low channel-10GHz~26GHz
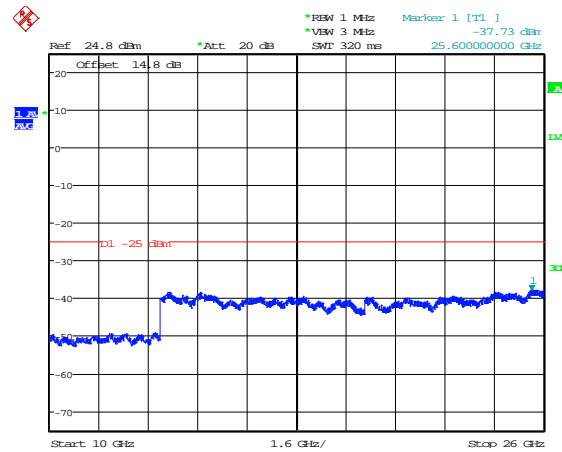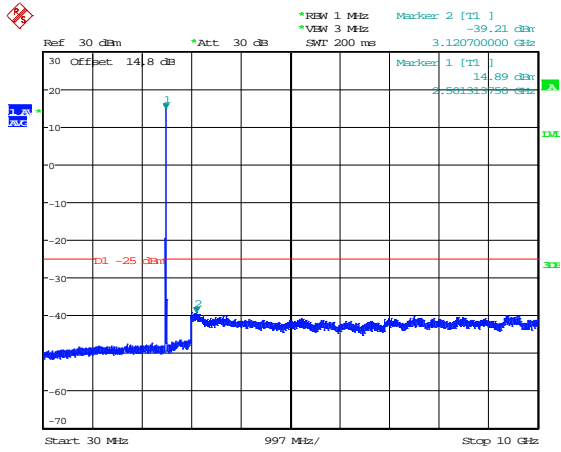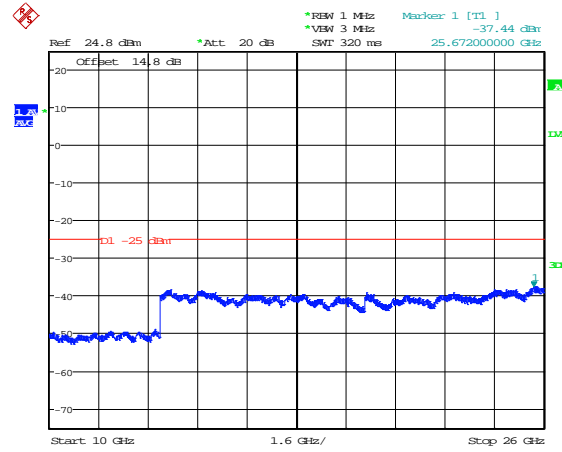

QPSK Middle channel-30MHz~10GHz

QPSK Middle channel-10GHz~26GHz

QPSK High channel-30MHz~10GHz

QPSK High channel-10GHz~26GHz
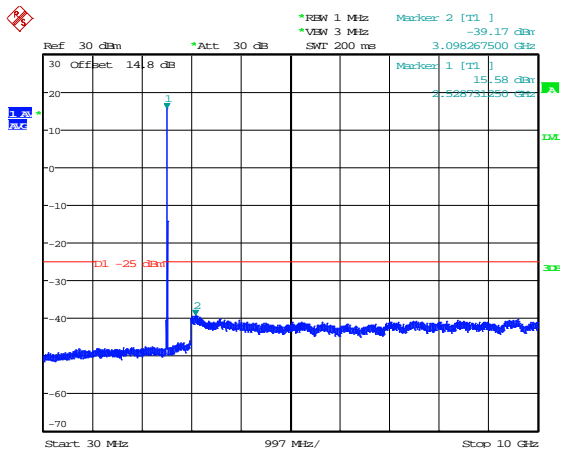
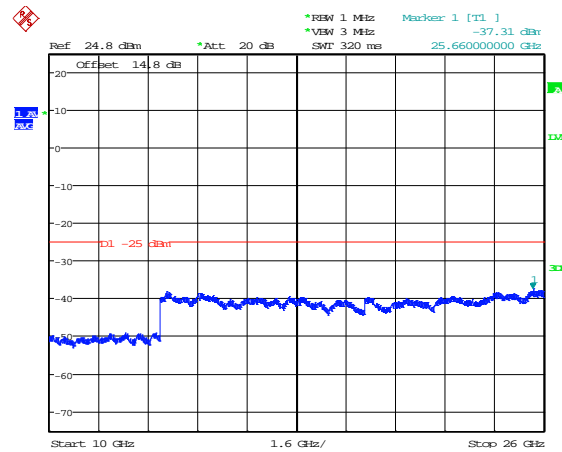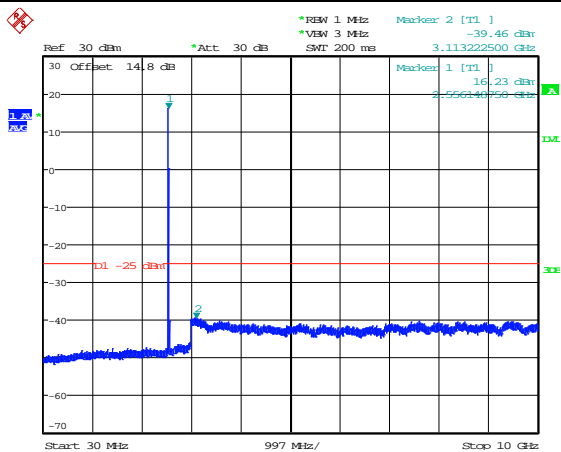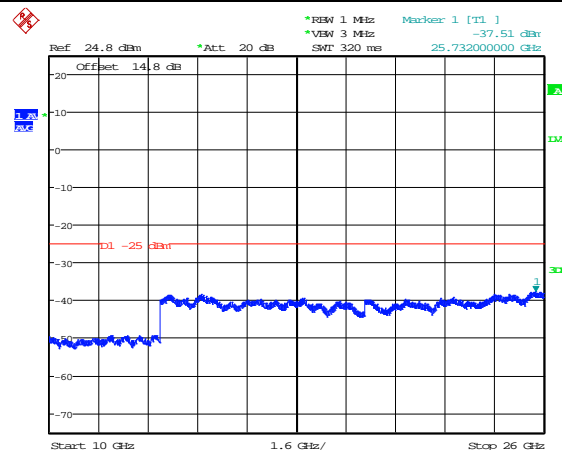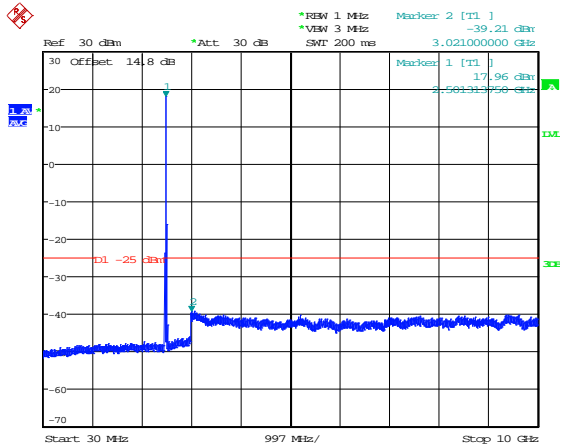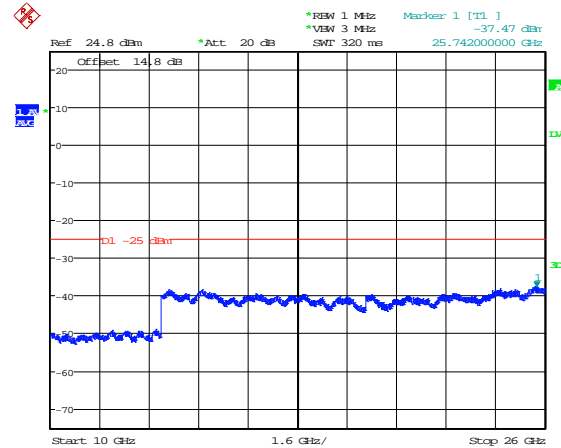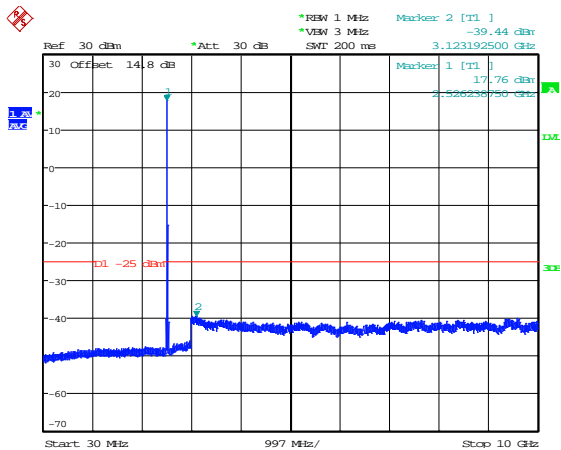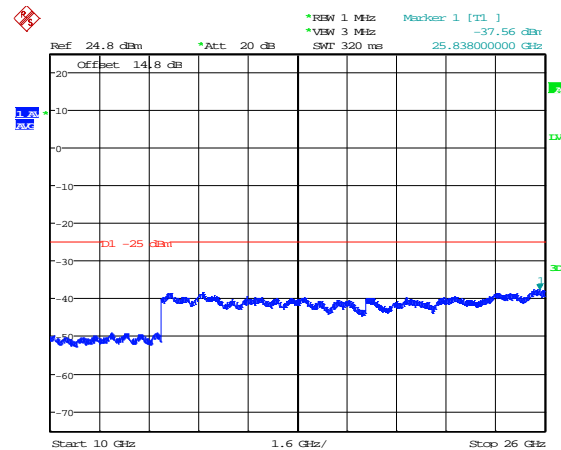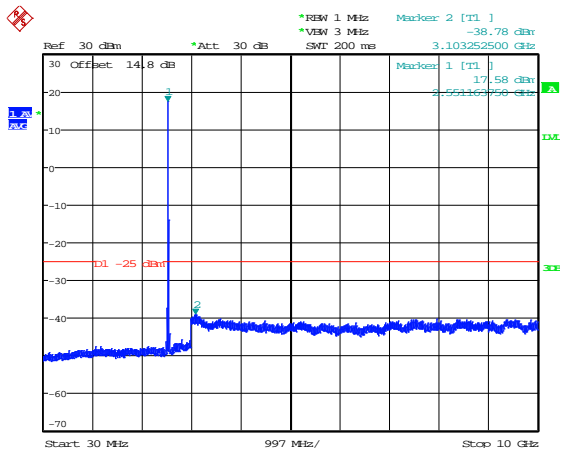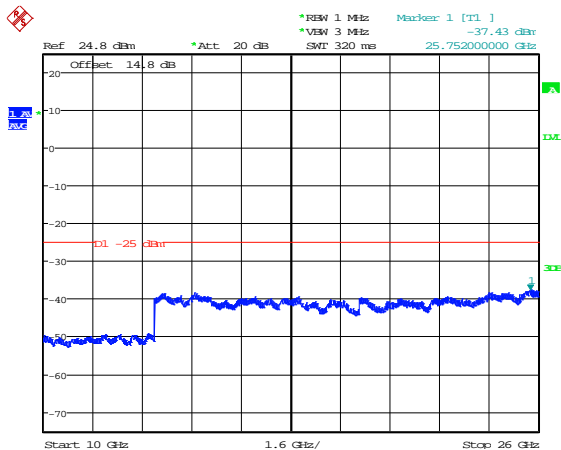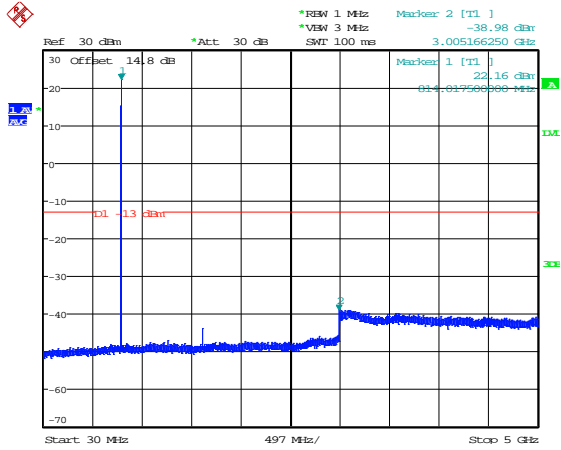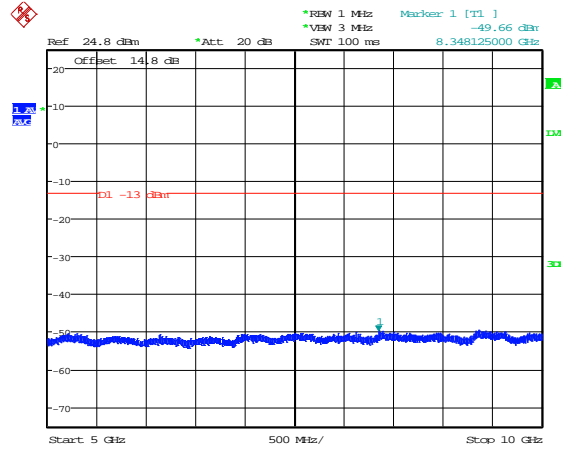| LTE FDD Band 7, Nominal Bandwidth: 20MHz, 1RB	
QPSK Low channel-30MHz~10GHz	QPSK Low channel-10GHz~26GHz
QPSK Middle channel-30MHz~10GHz	QPSK Middle channel-10GHz~26GHz
QPSK High channel-30MHz~10GHz	QPSK High channel-10GHz~26GHz

Note: All modes have been tested and we found QPSK modulation, 1 RB/0 offset test mode has the worst test result. Only record the worst test result.

LTE FDD Band 26(814MHz-824MHz), Nominal Bandwidth: 1.4MHz, 1RB
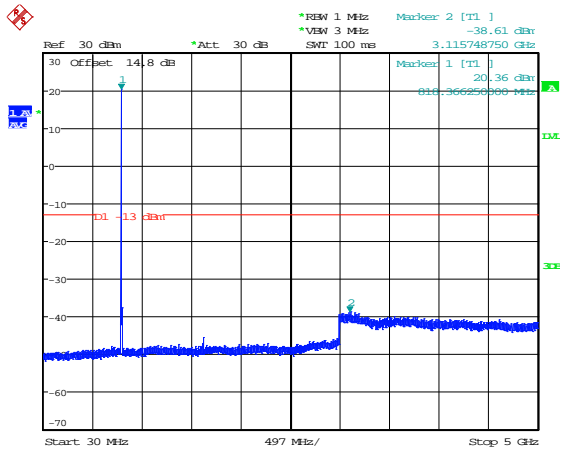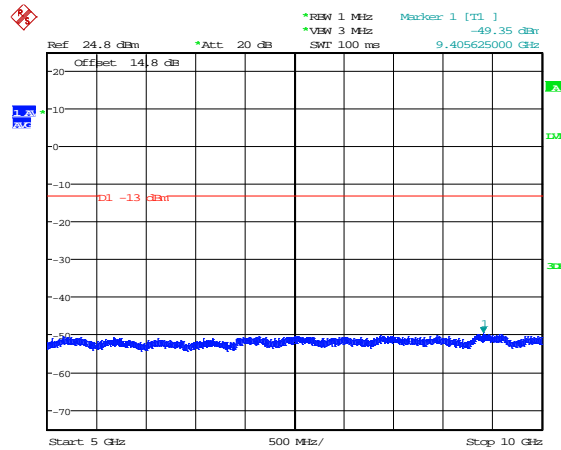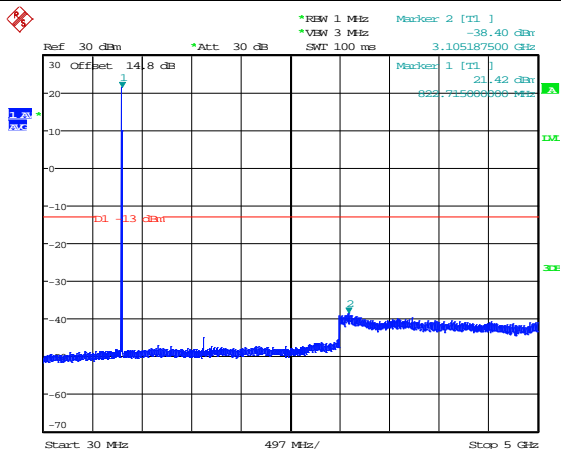
QPSK Low channel-30MHz~5GHz

QPSK Low channel-5GHz~10GHz

QPSK Middle channel-30MHz~5GHz

QPSK Middle channel-5GHz~10GHz

QPSK High channel-30MHz~5GHz

QPSK High channel-5GHz~10GHz

LTE FDD Band 26(814MHz-824MHz), Nominal Bandwidth: 3.0MHz, 1RB

QPSK Low channel-30MHz~5GHz

QPSK Low channel-5GHz~10GHz

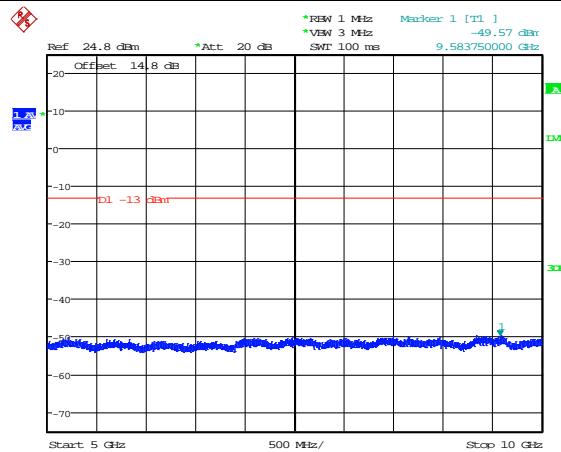### QPSK Middle channel-30MHz~5GHz

QPSK Middle channel-5GHz~10GHz

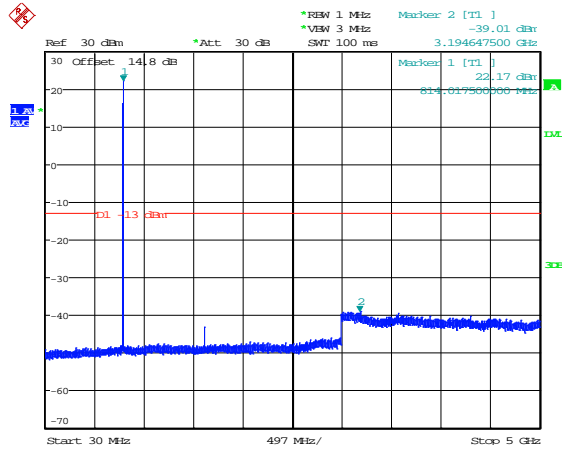### QPSK High channel-30MHz~5GHz
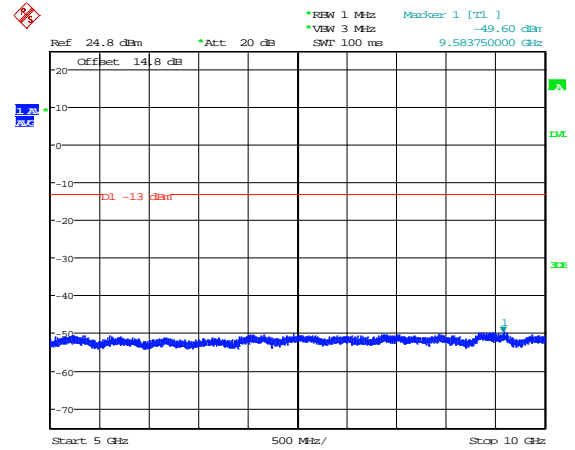

QPSK High channel-5GHz~10GHz

LTE FDD Band 26(814MHz-824MHz), Nominal Bandwidth: 5.0MHz, 1RB

QPSK Low channel-30MHz~5GHz

QPSK Low channel-5GHz~10GHz

QPSK Middle channel-30MHz~5GHz

QPSK Middle channel-5GHz~10GHz

QPSK High channel-30MHz~5GHz

QPSK High channel-5GHz~10GHz

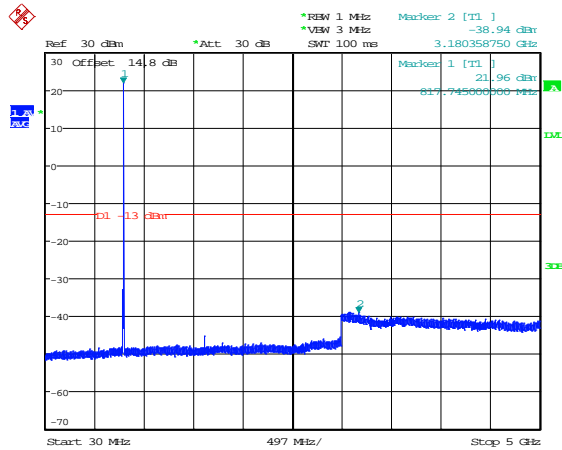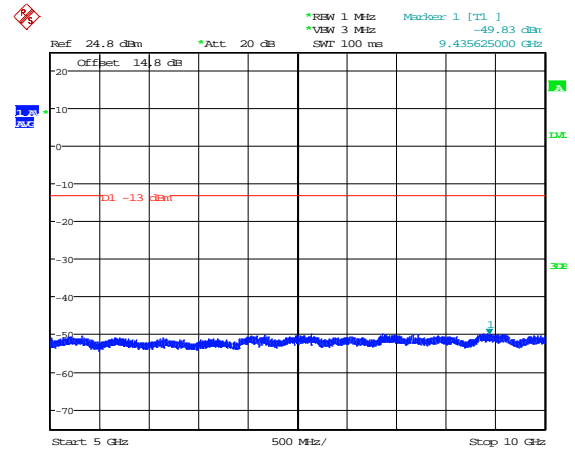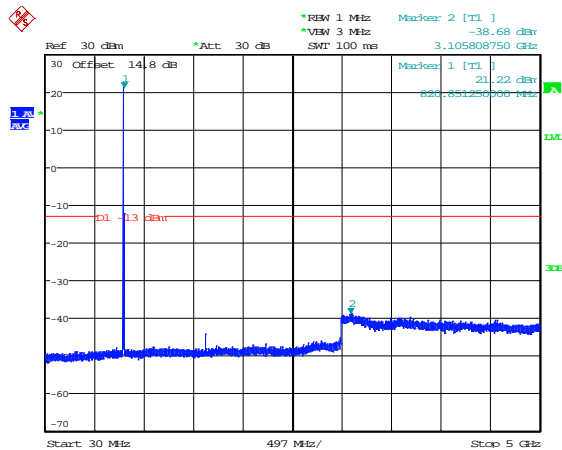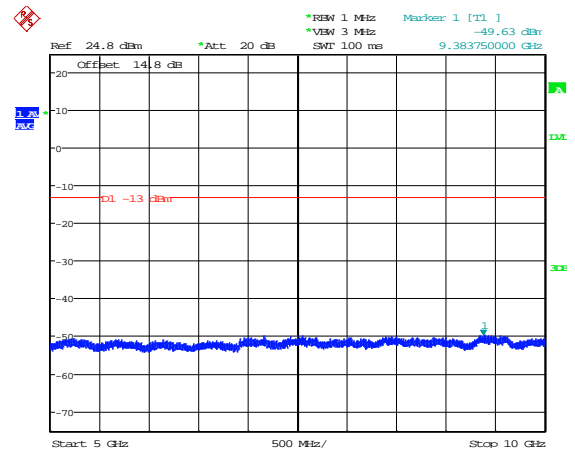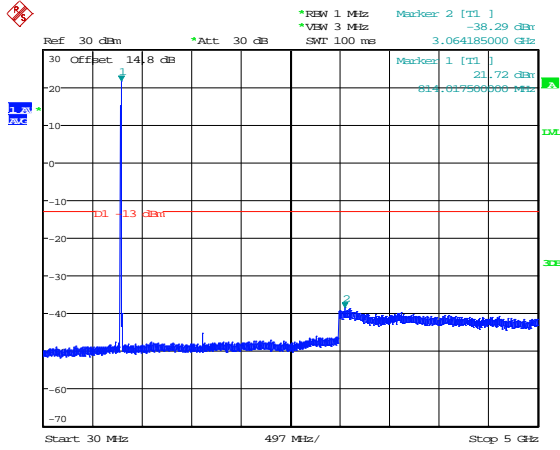## LTE FDD Band 26(814MHz-824MHz), Nominal Bandwidth: 10MHz, 1RB

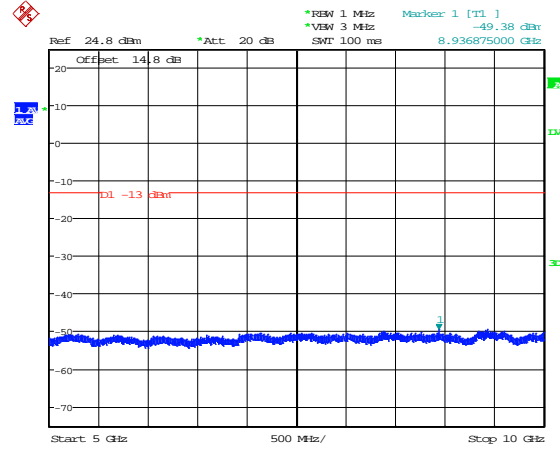| QPSK Middle channel-30MHz~5GHz	QPSK Middle channel-5GHz~10GHz

LTE FDD Band 26(814MHz-824MHz), Nominal Bandwidth: 15MHz, 1RB

QPSK Low channel-30MHz~5GHz	QPSK Low channel-5GHz~10GHz

Note: All modes have been tested and we found QPSK modulation, 1 RB/0 offset test mode has the worst test result. Only record the worst test result.

LTE FDD Band 26(824MHz-849MHz), Nominal Bandwidth: 1.4MHz, 1RB

QPSK Low channel-30MHz~5GHz

QPSK Low channel-5GHz~10GHz

QPSK Middle channel-30MHz~5GHz

QPSK Middle channel-5GHz~10GHz

QPSK High channel-30MHz~5GHz

QPSK High channel-5GHz~10GHz

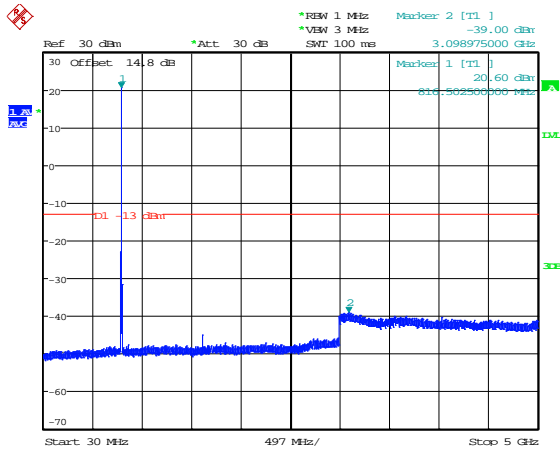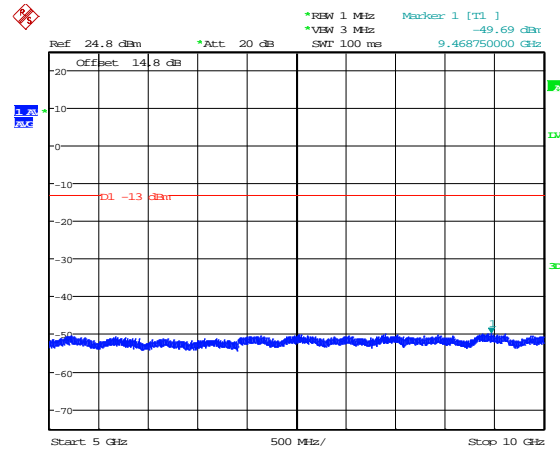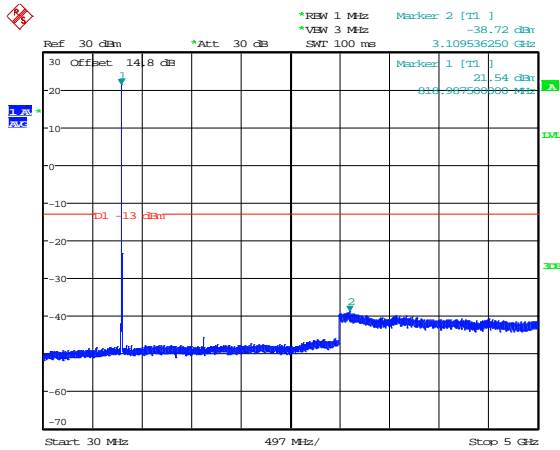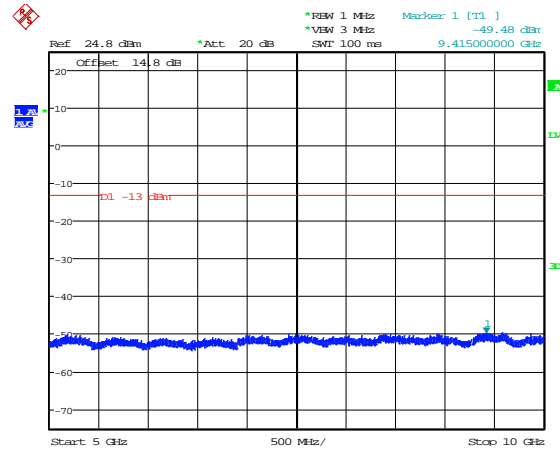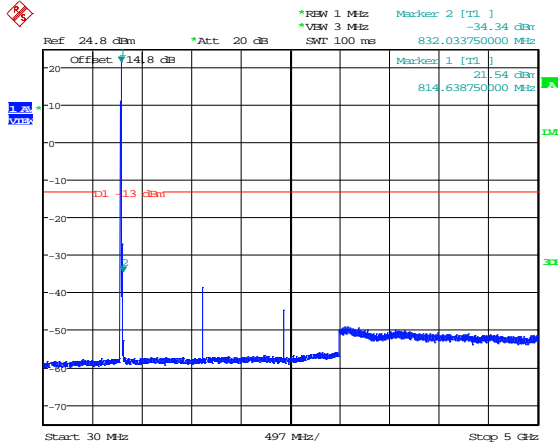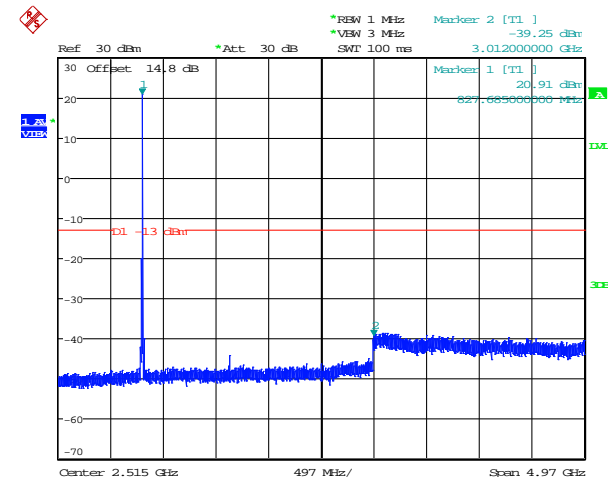## LTE FDD Band 26(824MHz-849MHz), Nominal Bandwidth: 3.0MHz, 1RB

QPSK Low channel-30MHz~5GHz

QPSK Low channel-5GHz~10GHz

QPSK Middle channel-30MHz~5GHz

QPSK Middle channel-5GHz~10GHz

QPSK High channel-30MHz~5GHz

QPSK High channel-5GHz~10GHz

LTE FDD Band 26(824MHz-849MHz), Nominal Bandwidth: 5.0MHz, 1RB

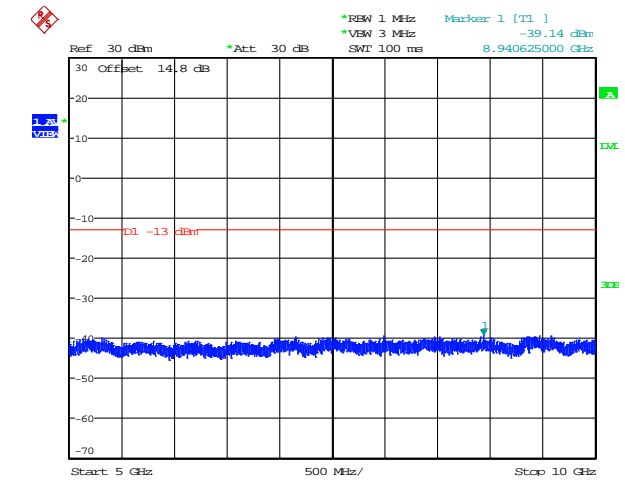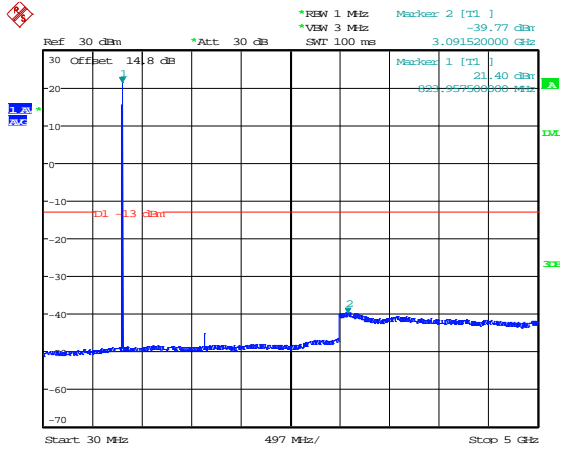### QPSK Low channel-30MHz~5GHz

QPSK Low channel-5GHz~10GHz

QPSK Middle channel-30MHz~5GHz

QPSK Middle channel-5GHz~10GHz

QPSK High channel-30MHz~5GHz
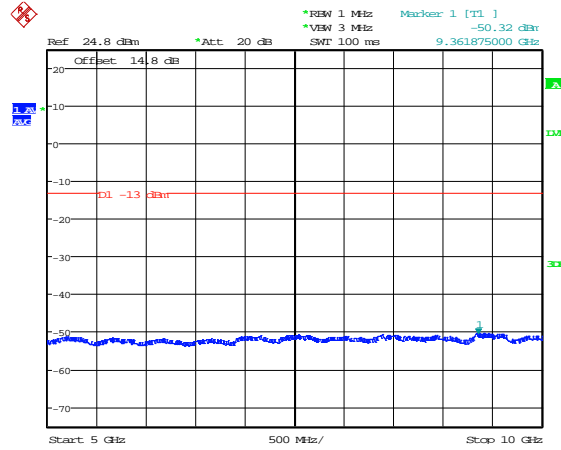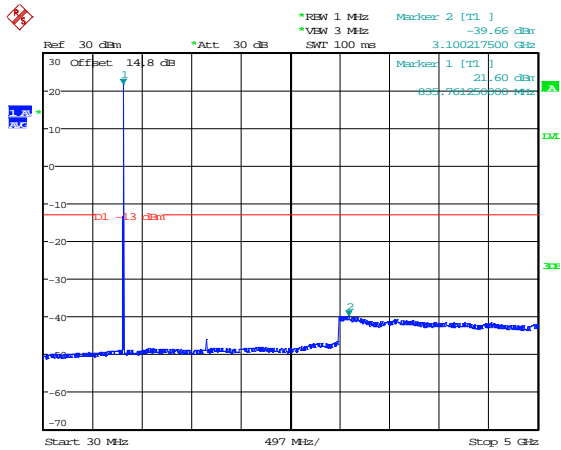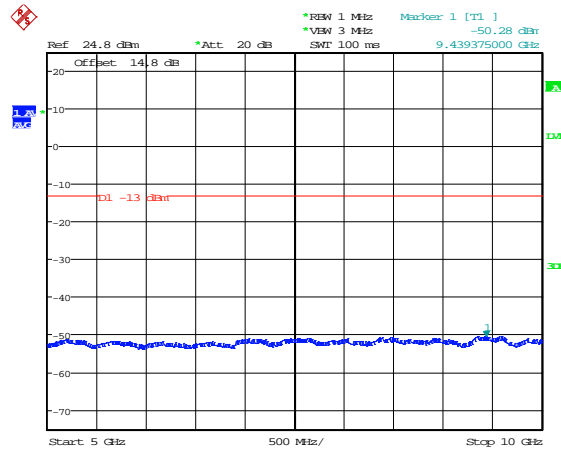

QPSK High channel-5GHz~10GHz

LTE FDD Band 26(824MHz-849MHz), Nominal Bandwidth: 10MHz, 1RB

QPSK Low channel-30MHz~5GHz
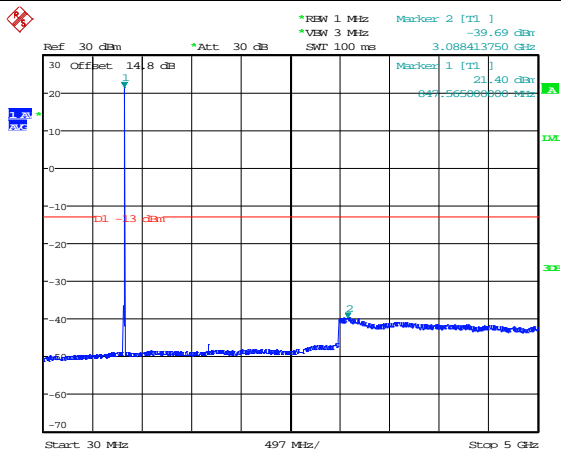

QPSK Low channel-5GHz~10GHz

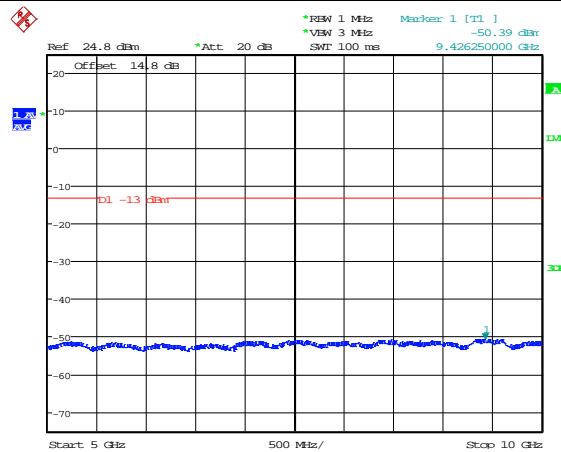### QPSK Middle channel-30MHz~5GHz

QPSK Middle channel-5GHz~10GHz
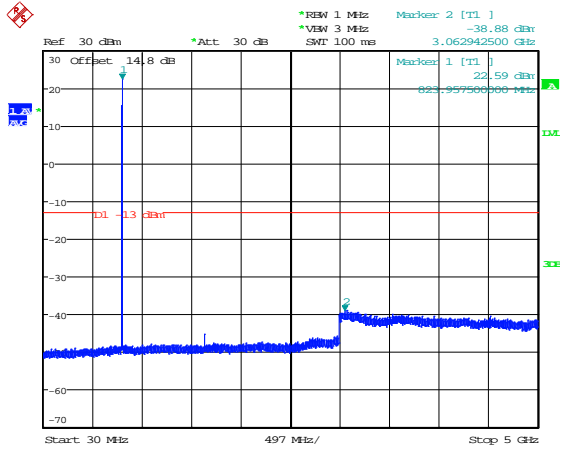

QPSK High channel-30MHz~5GHz
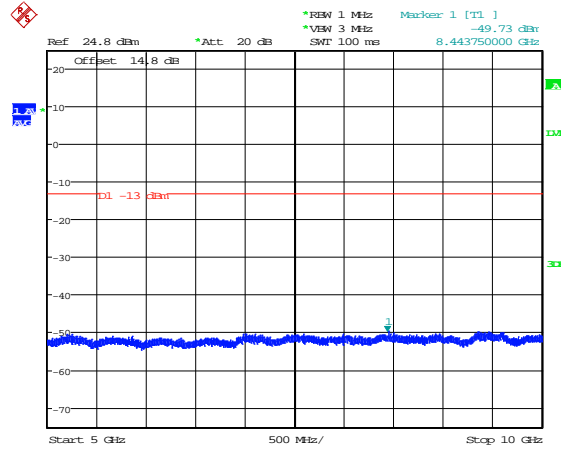

QPSK High channel-5GHz~10GHz

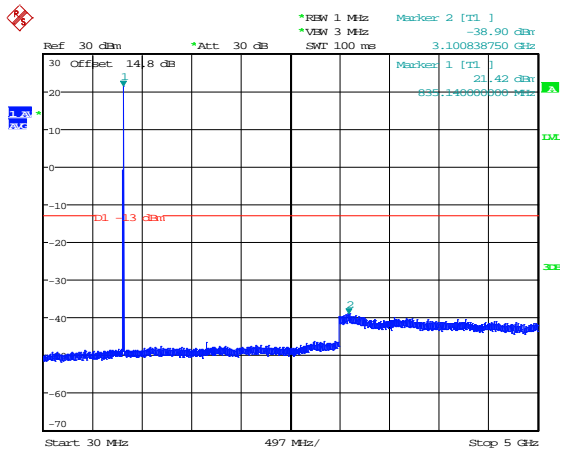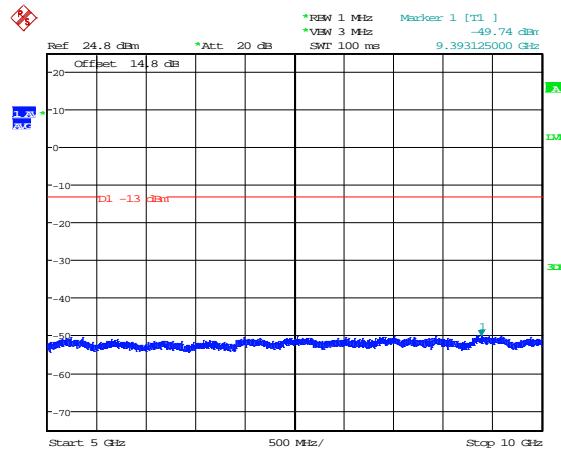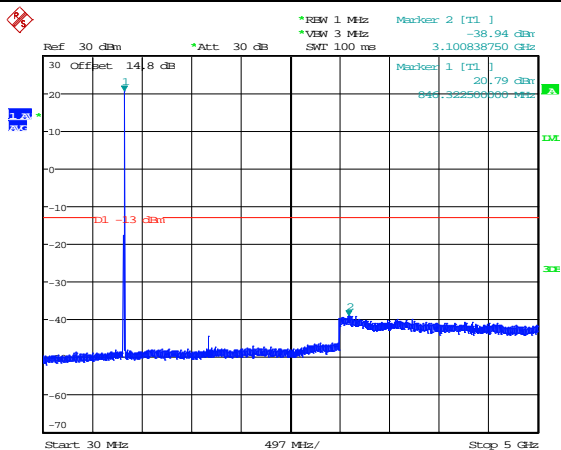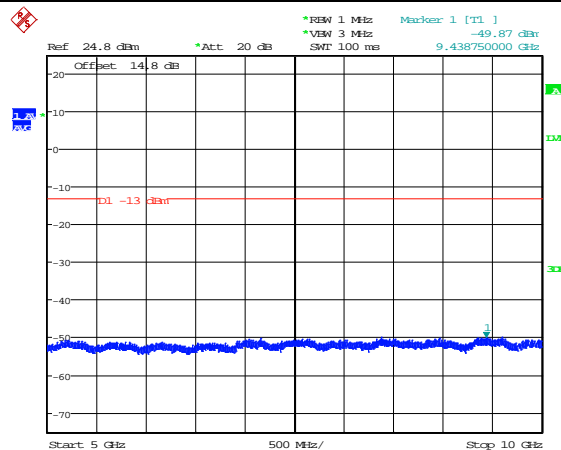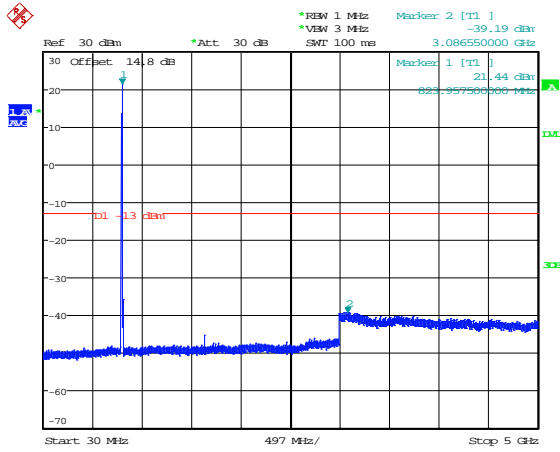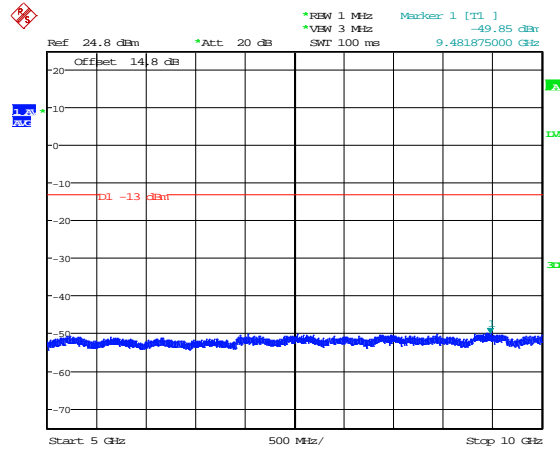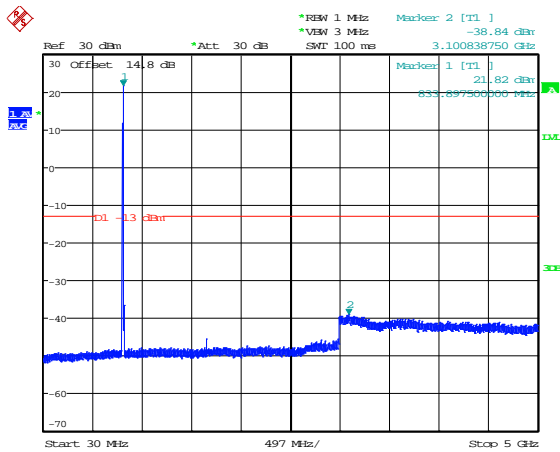## LTE FDD Band 26(824MHz-849MHz), Nominal Bandwidth: 15MHz, 1RB

QPSK Low channel-30MHz~5GHz	QPSK Low channel-5GHz~10GHz

QPSK Middle channel-30MHz~5GHz	QPSK Middle channel-5GHz~10GHz

QPSK High channel-30MHz~5GHz	QPSK High channel-5GHz~10GHz

Note: All modes have been tested and we found QPSK modulation, 1 RB/0 offset test mode has the worst test result. Only record the worst test result.

LTE FDD Band 38, Nominal Bandwidth: 5.0MHz, 1RB

QPSK Low channel-30MHz~10GHz

QPSK Low channel-10GHz~26GHz
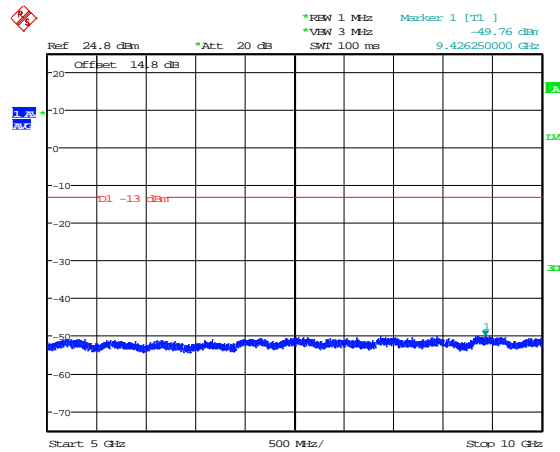

QPSK Middle channel-30MHz~10GHz

QPSK Middle channel-10GHz~26GHz

QPSK High channel-30MHz~10GHz

QPSK High channel-10GHz~26GHz

LTE FDD Band 38, Nominal Bandwidth: 10MHz, 1RB

QPSK Low channel-30MHz~10GHz

QPSK Low channel-10GHz~26GHz

QPSK Middle channel-30MHz~10GHz

QPSK Middle channel-10GHz~26GHz

QPSK High channel-30MHz~10GHz

QPSK High channel-10GHz~26GHz

LTE FDD Band 38, Nominal Bandwidth: 15MHz, 1RB

QPSK Low channel-30MHz~10GHz

QPSK Low channel-10GHz~26GHz

QPSK Middle channel-30MHz~10GHz

QPSK Middle channel-10GHz~26GHz

QPSK High channel-30MHz~10GHz

QPSK High channel-10GHz~26GHz

LTE FDD Band 38, Nominal Bandwidth: 20MHz, 1RB

QPSK Low channel-30MHz~10GHz

QPSK Low channel-10GHz~26GHz

QPSK Middle channel-30MHz~10GHz
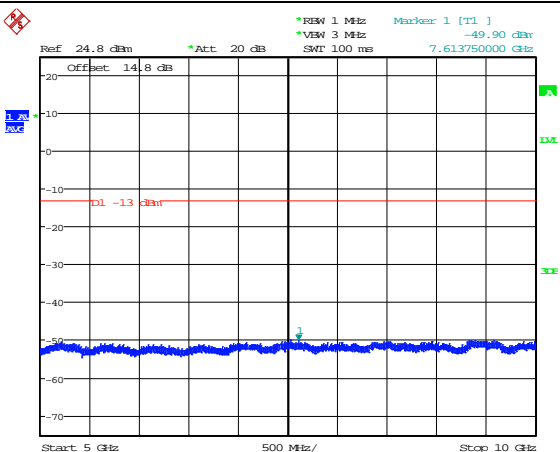

QPSK Middle channel-10GHz~26GHz

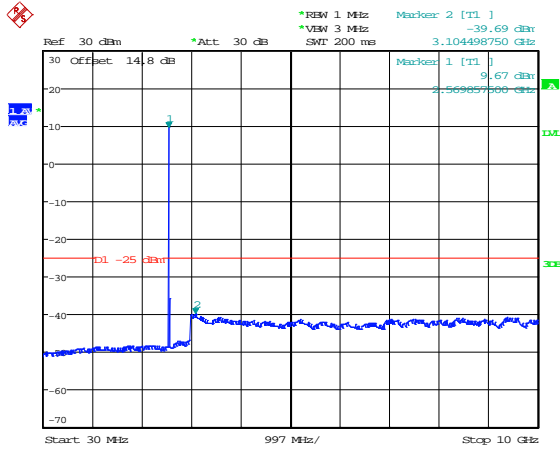### QPSK High channel-30MHz~10GHz
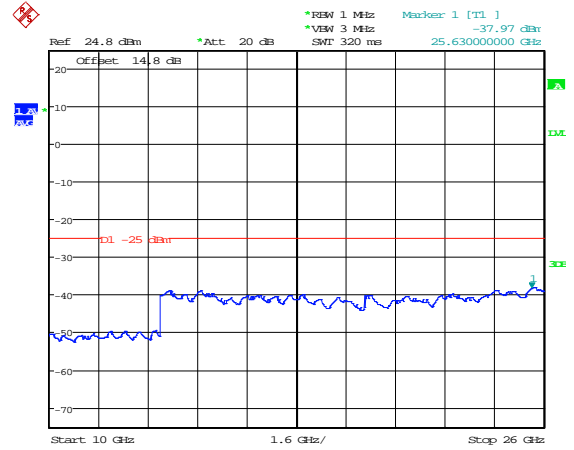

QPSK High channel-10GHz~26GHz

Note: All modes have been tested and we found QPSK modulation, 1 RB/0 offset test mode has the worst test result. Only record the worst test result.

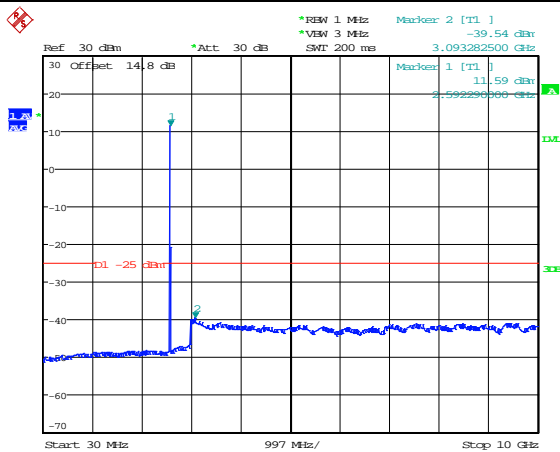## LTE TDD Band 40(2305MHz-2315MHz), Nominal Bandwidth: 5.0MHz, 1RB

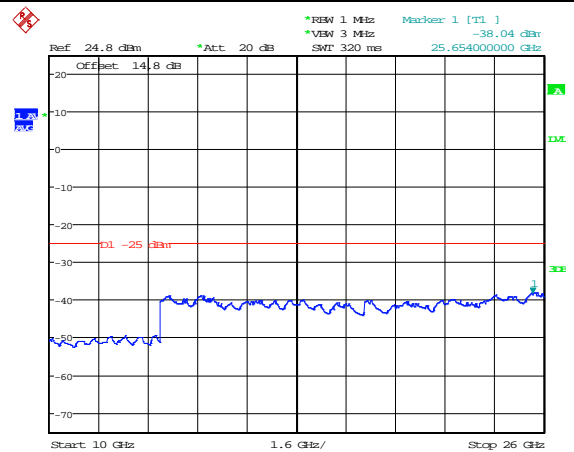### QPSK Low channel-30MHz~10GHz

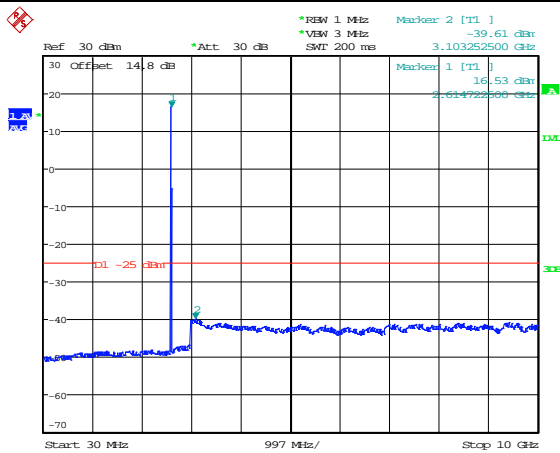### QPSK Low channel-10GHz~25GHz

QPSK Middle channel-30MHz~10GHz

QPSK Middle channel-10GHz~25GHz

QPSK High channel-30MHz~10GHz

QPSK High channel-10GHz~25GHz

LTE TDD Band 40(2305MHz-2315MHz), Nominal Bandwidth: 10MHz, 1RB	
QPSK Middle channel-30MHz~10GHz	QPSK Middle channel-10GHz~25GHz

Note: All modes have been tested and we found QPSK modulation, 1 RB/0 offset test mode has the worst test result. Only record the worst test result.
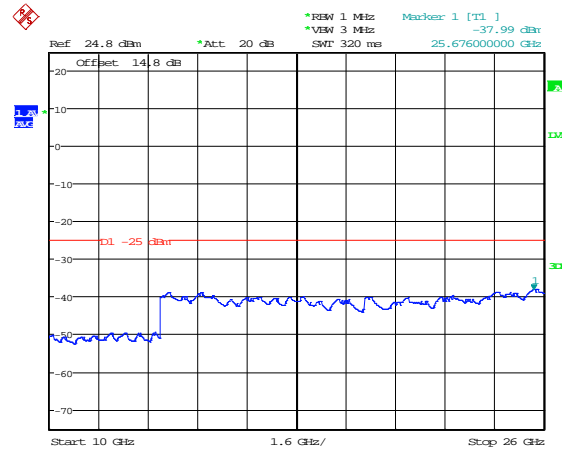
LTE TDD Band 40(2350MHz-2360MHz), Nominal Bandwidth: 5.0MHz, 1RB
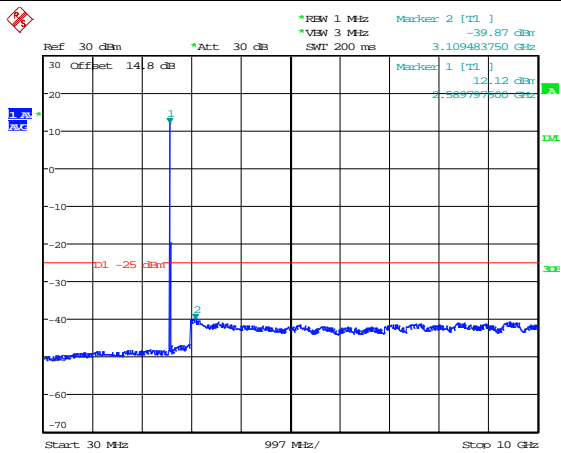
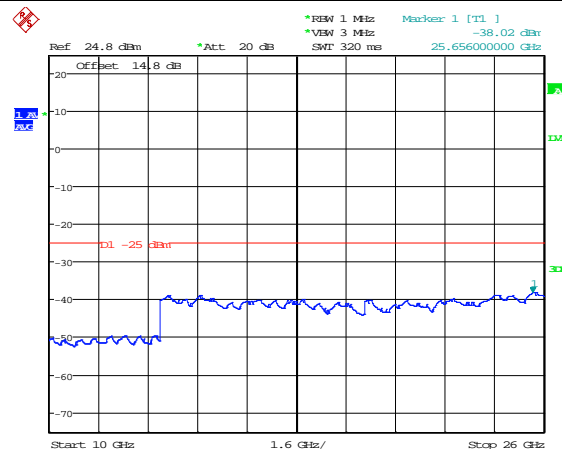### QPSK Low channel-30MHz~10GHz

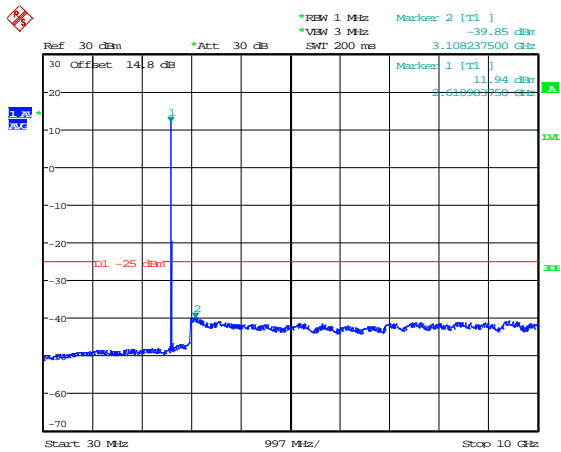### QPSK Low channel-10GHz~25GHz

QPSK Middle channel-30MHz~10GHz

QPSK Middle channel-10GHz~25GHz

QPSK High channel-30MHz~10GHz

QPSK High channel-10GHz~25GHz

LTE TDD Band 40(2350MHz-2360MHz, Nominal Bandwidth: 10MHz, 1RB	
QPSK Middle channel-30MHz~10GHz	QPSK Middle channel-10GHz~25GHz

Note: All modes have been tested and we found QPSK modulation, 1 RB/0 offset test mode has the worst test result. Only record the worst test result.
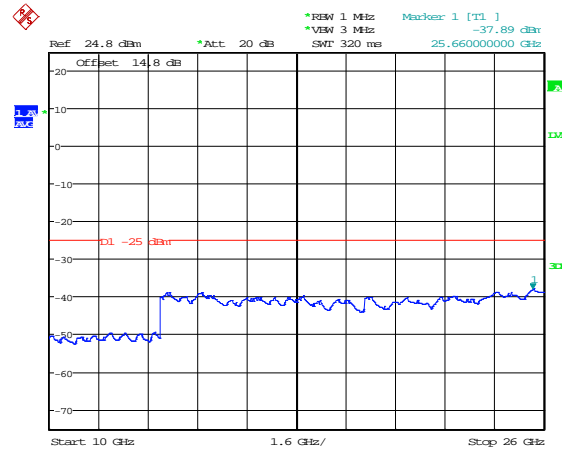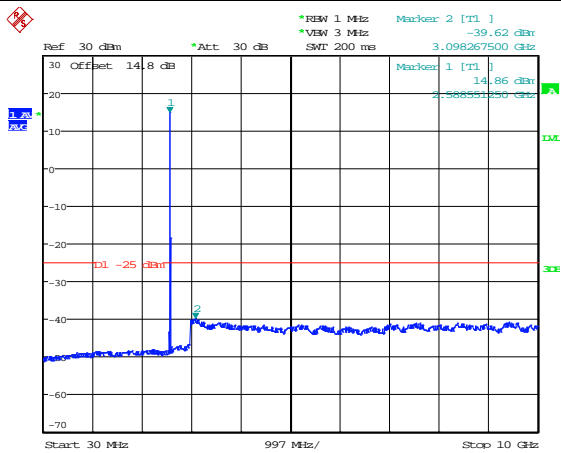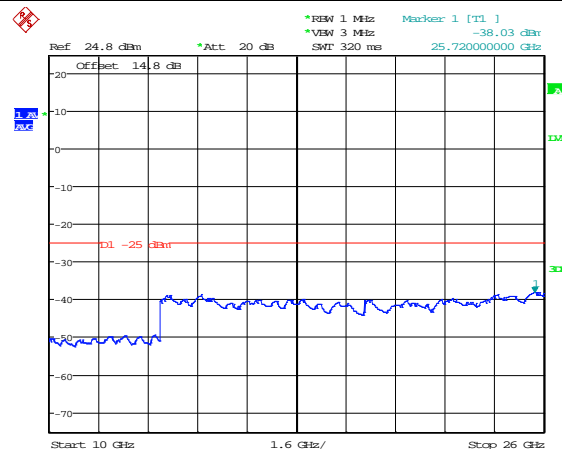
LTE FDD Band 41, Nominal Bandwidth: 5.0MHz, 1RB

QPSK Low channel-30MHz~10GHz
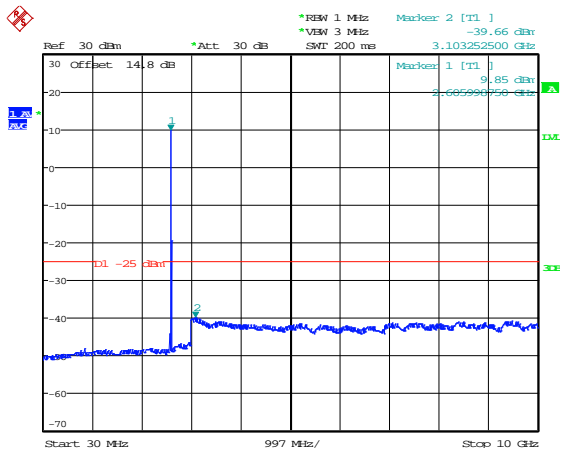

QPSK Low channel-10GHz~27GHz

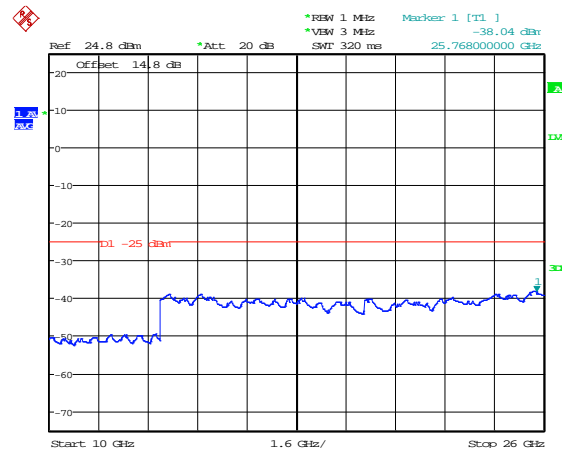### QPSK Middle channel-30MHz~10GHz

QPSK Middle channel-10GHz~27GHz

QPSK High channel-30MHz~10GHz

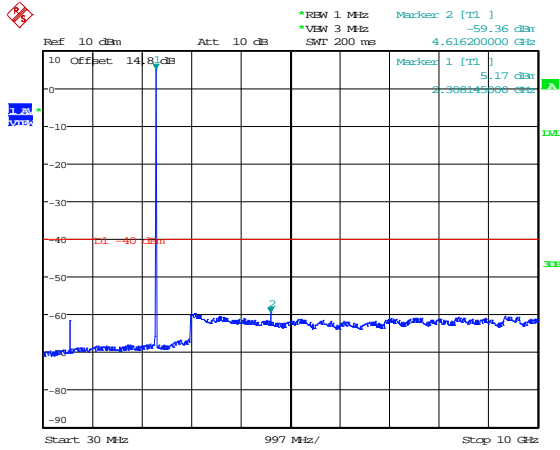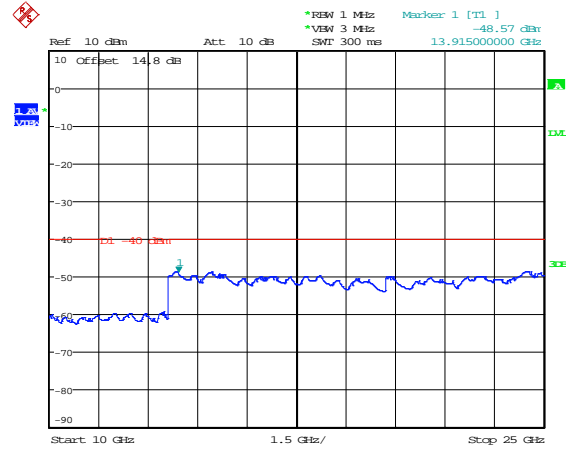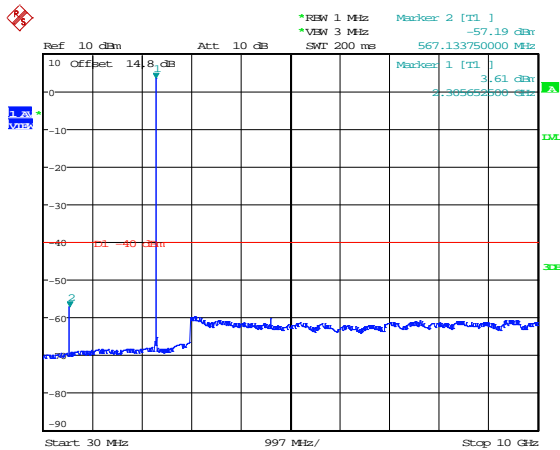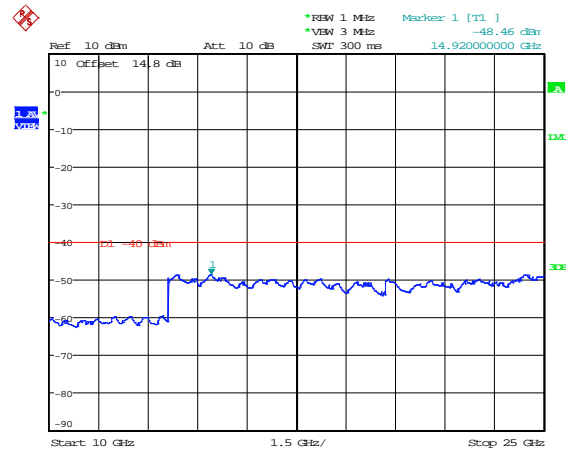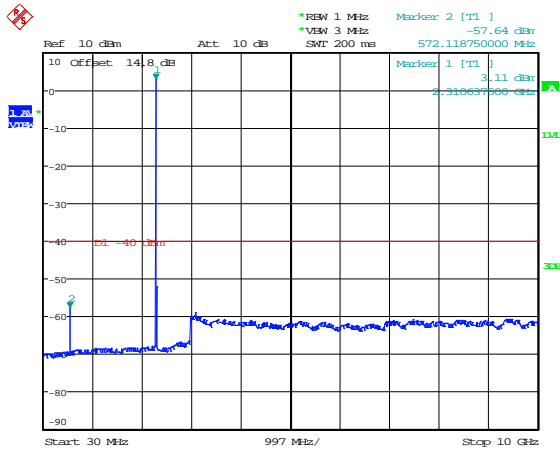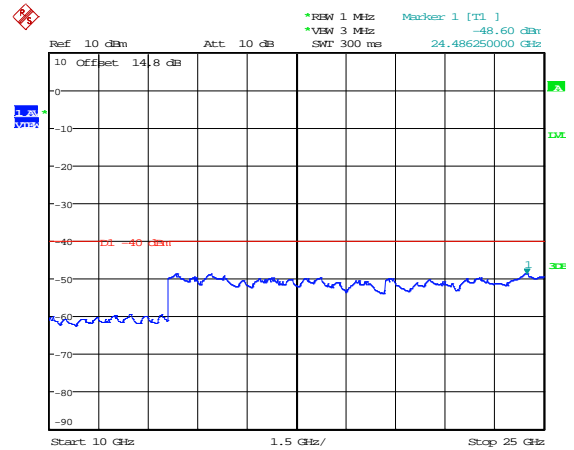### QPSK High channel-10GHz~27GHz

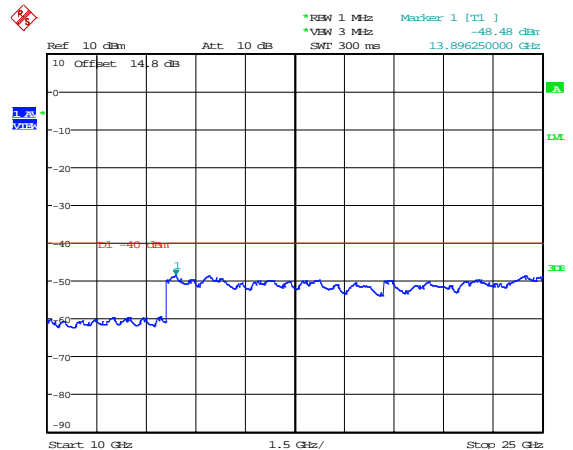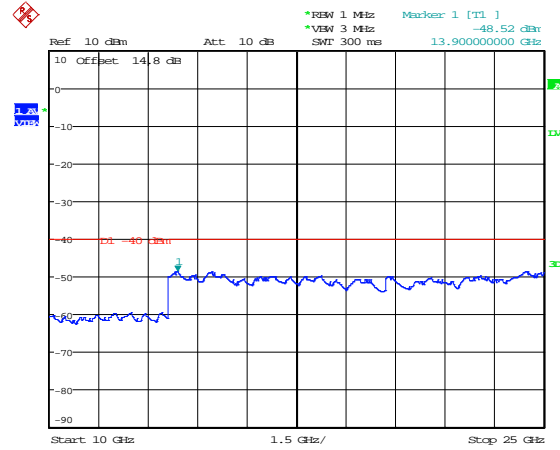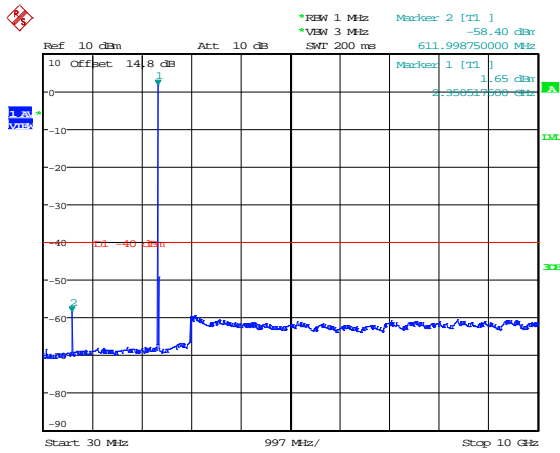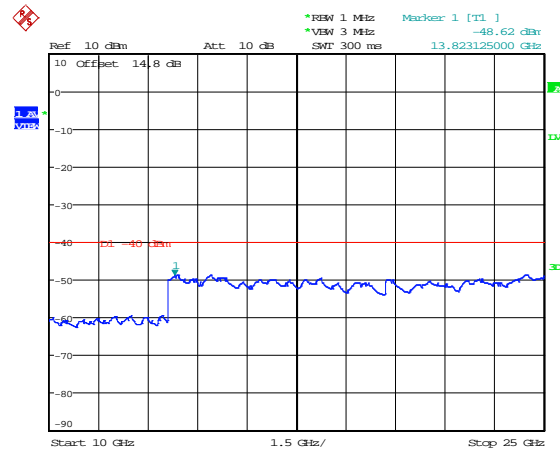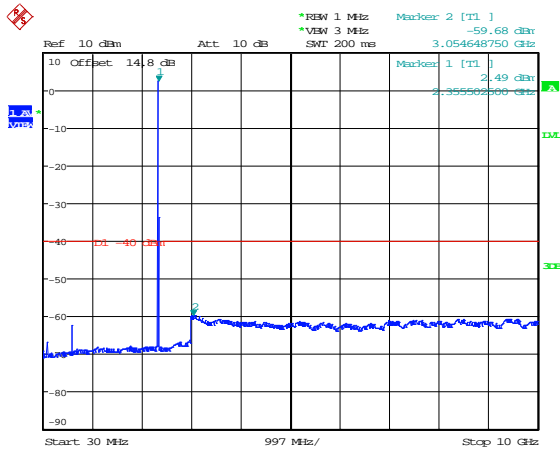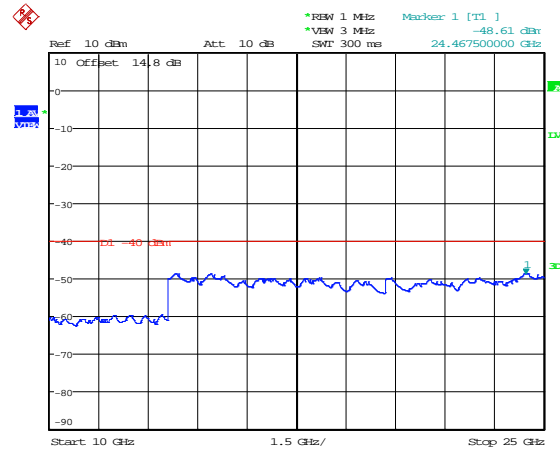| LTE FDD Band 41, Nominal Bandwidth: 10MHz, 1RB	
QPSK Low channel-30MHz~10GHz	QPSK Low channel-10GHz~27GHz

QPSK Low channel-30MHz~10GHz

*RBW 1 MHz   Marker 2 [T1]
*VBW 3 MHz   -41.35 dBm
Ref 24.8 dBm   *Att 20 dB   SWT 200 ms   2.487605000 GHz
Offset 14.8 dB
Marker 1 [T1]
16.29 dBm
2.496328750 GHz
D1 -25 dBm
Start 30 MHz   997 MHz/   Stop 10 GHz

QPSK Low channel-10GHz~27GHz

*RBW 1 MHz   Marker 1 [T1]
*VBW 3 MHz   -37.91 dBm
Ref 24.8 dBm   *Att 20 dB   SWT 340 ms   25.705875000 GHz
Offset 14.8 dB
D1 -25 dBm
Start 10 GHz   1.7 GHz/   Stop 27 GHz

QPSK Middle channel-30MHz~10GHz	QPSK Middle channel-10GHz~27GHz

QPSK Middle channel-30MHz~10GHz

*RBW 1 MHz   Marker 2 [T1]
*VBW 3 MHz   -46.61 dBm
Ref 24.8 dBm   *Att 20 dB   SWT 200 ms   850.032000000 MHz
Offset 14.8 dB
Marker 1 [T1]
16.37 dBm
2.588551250 GHz
D1 -25 dBm
Start 30 MHz   997 MHz/   Stop 10 GHz

QPSK Middle channel-10GHz~27GHz

*RBW 1 MHz   Marker 1 [T1]
*VBW 3 MHz   -37.83 dBm
Ref 24.8 dBm   *Att 20 dB   SWT 340 ms   25.716500000 GHz
Offset 14.8 dB
D1 -25 dBm
Start 10 GHz   1.7 GHz/   Stop 27 GHz

QPSK High channel-30MHz~10GHz	QPSK High channel-10GHz~27GHz

QPSK High channel-30MHz~10GHz

*RBW 1 MHz   Marker 2 [T1]
*VBW 3 MHz   -44.11 dBm
Ref 24.8 dBm   *Att 20 dB   SWT 200 ms   2.698221250 GHz
Offset 14.8 dB
Marker 1 [T1]
11.21 dBm
2.680773750 GHz
D1 -25 dBm
Start 30 MHz   997 MHz/   Stop 10 GHz

QPSK High channel-10GHz~27GHz

*RBW 1 MHz   Marker 1 [T1]
*VBW 3 MHz   -38.00 dBm
Ref 24.8 dBm   *Att 20 dB   SWT 340 ms   25.720750000 GHz
Offset 14.8 dB
D1 -25 dBm
Start 10 GHz   1.7 GHz/   Stop 27 GHz

LTE FDD Band 41, Nominal Bandwidth: 15MHz, 1RB

QPSK Low channel-30MHz~10GHz

QPSK Low channel-10GHz~27GHz

QPSK Middle channel-30MHz~10GHz

QPSK Middle channel-10GHz~27GHz

QPSK High channel-30MHz~10GHz

QPSK High channel-10GHz~27GHz

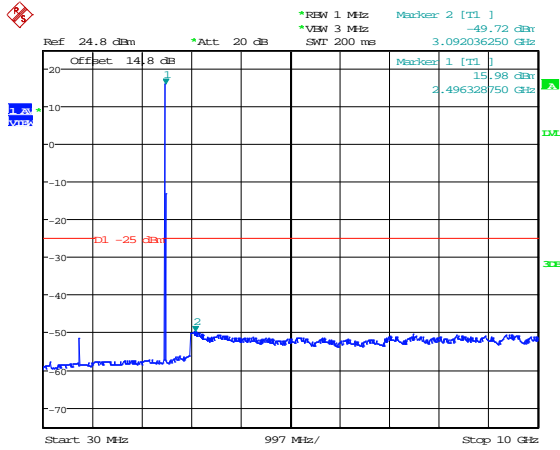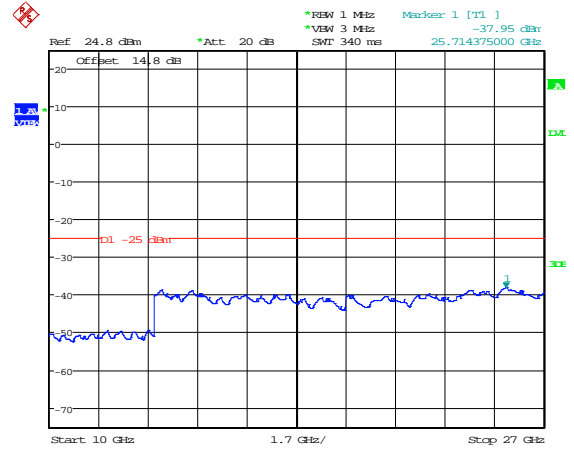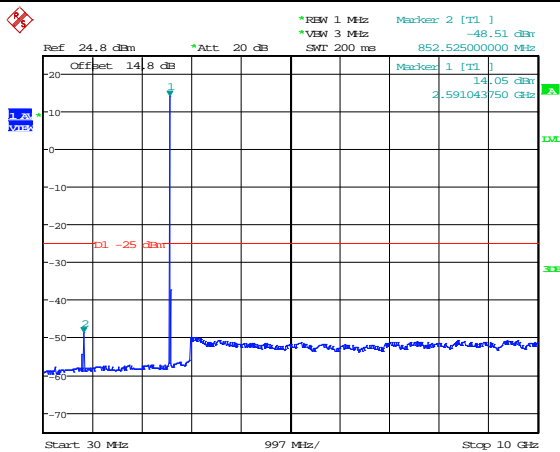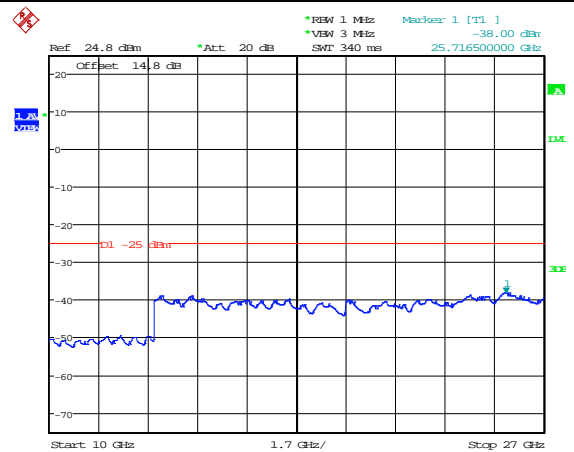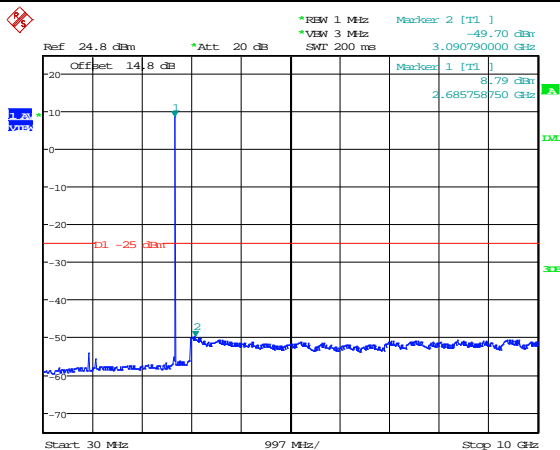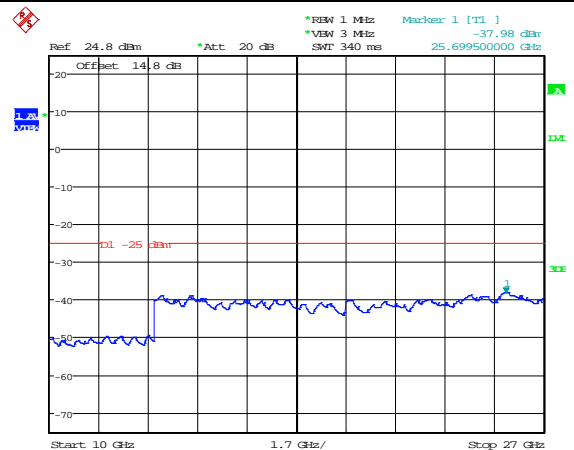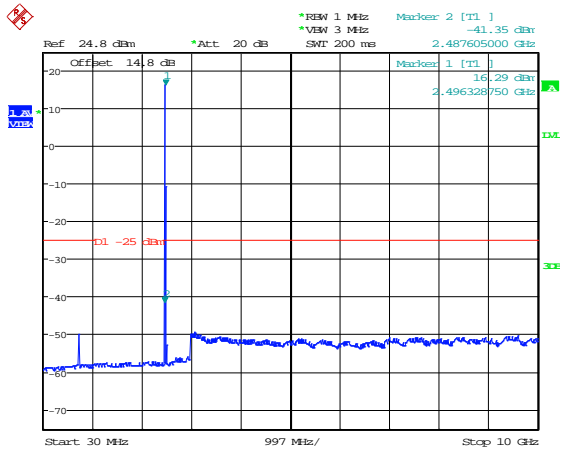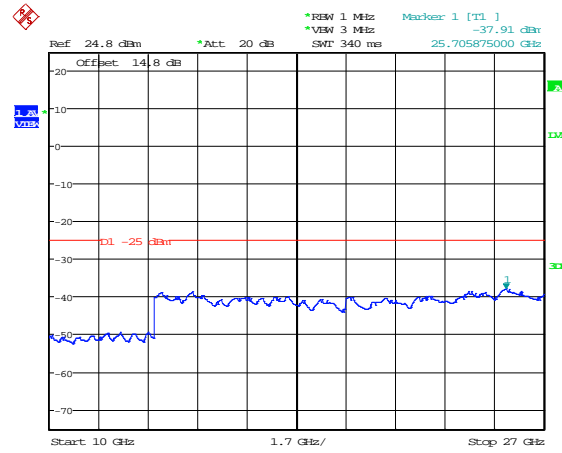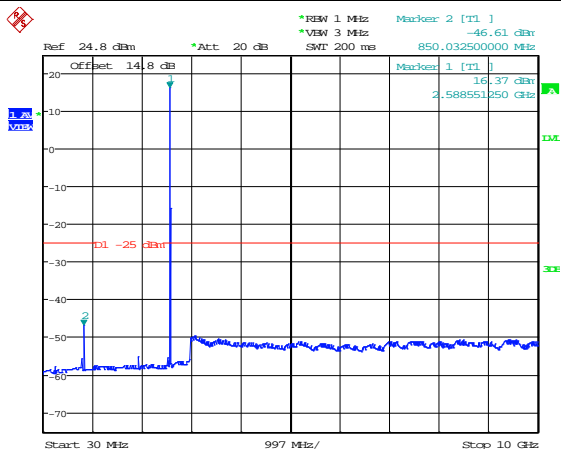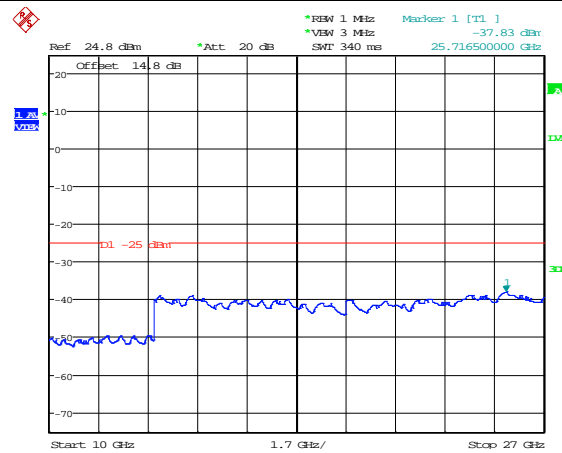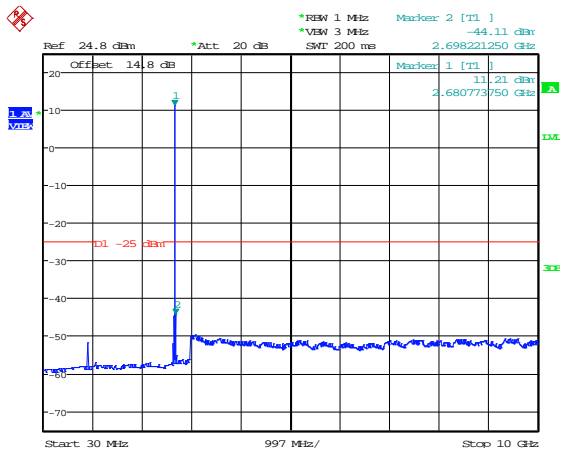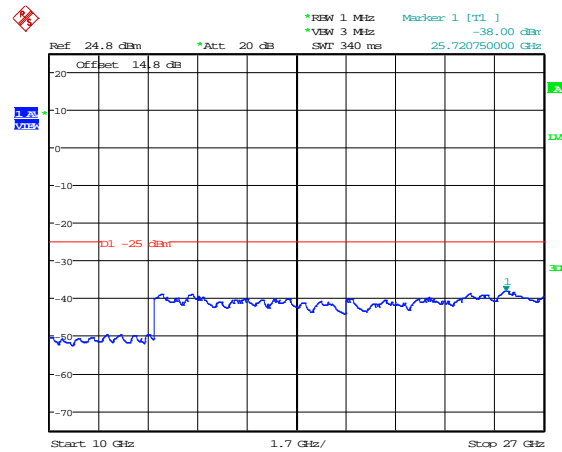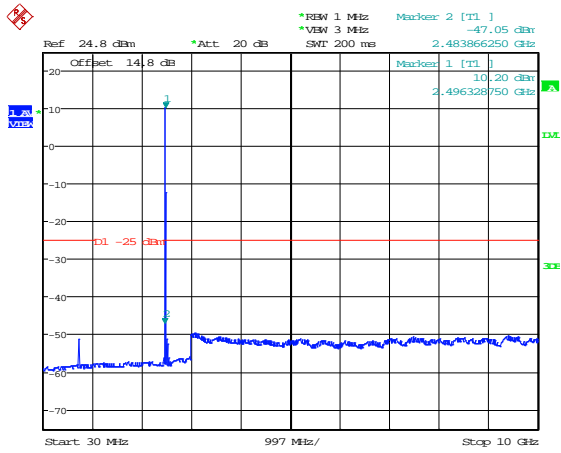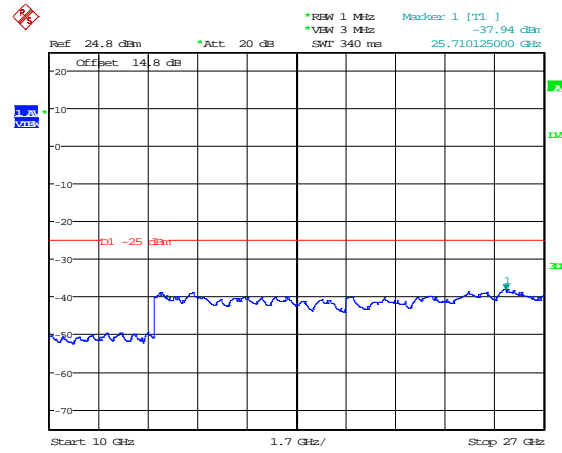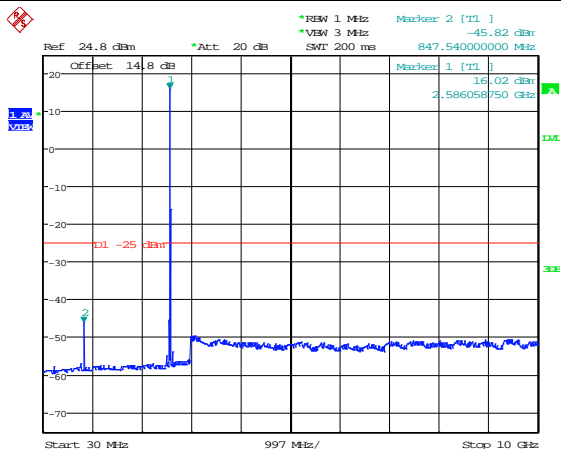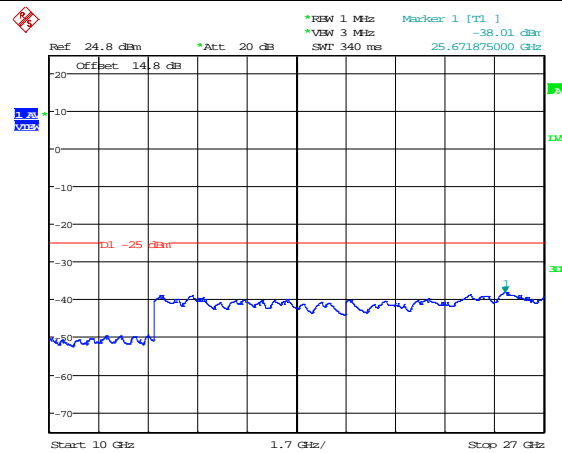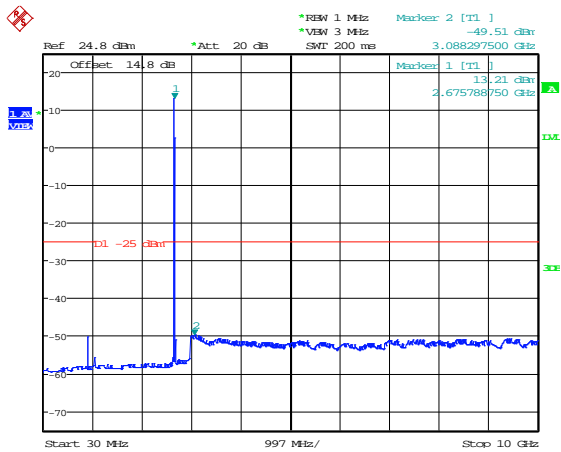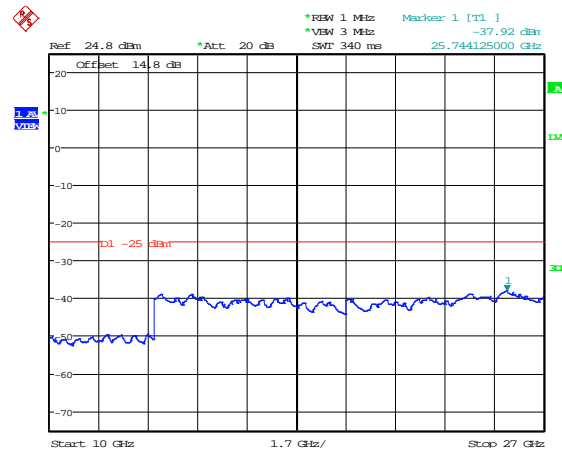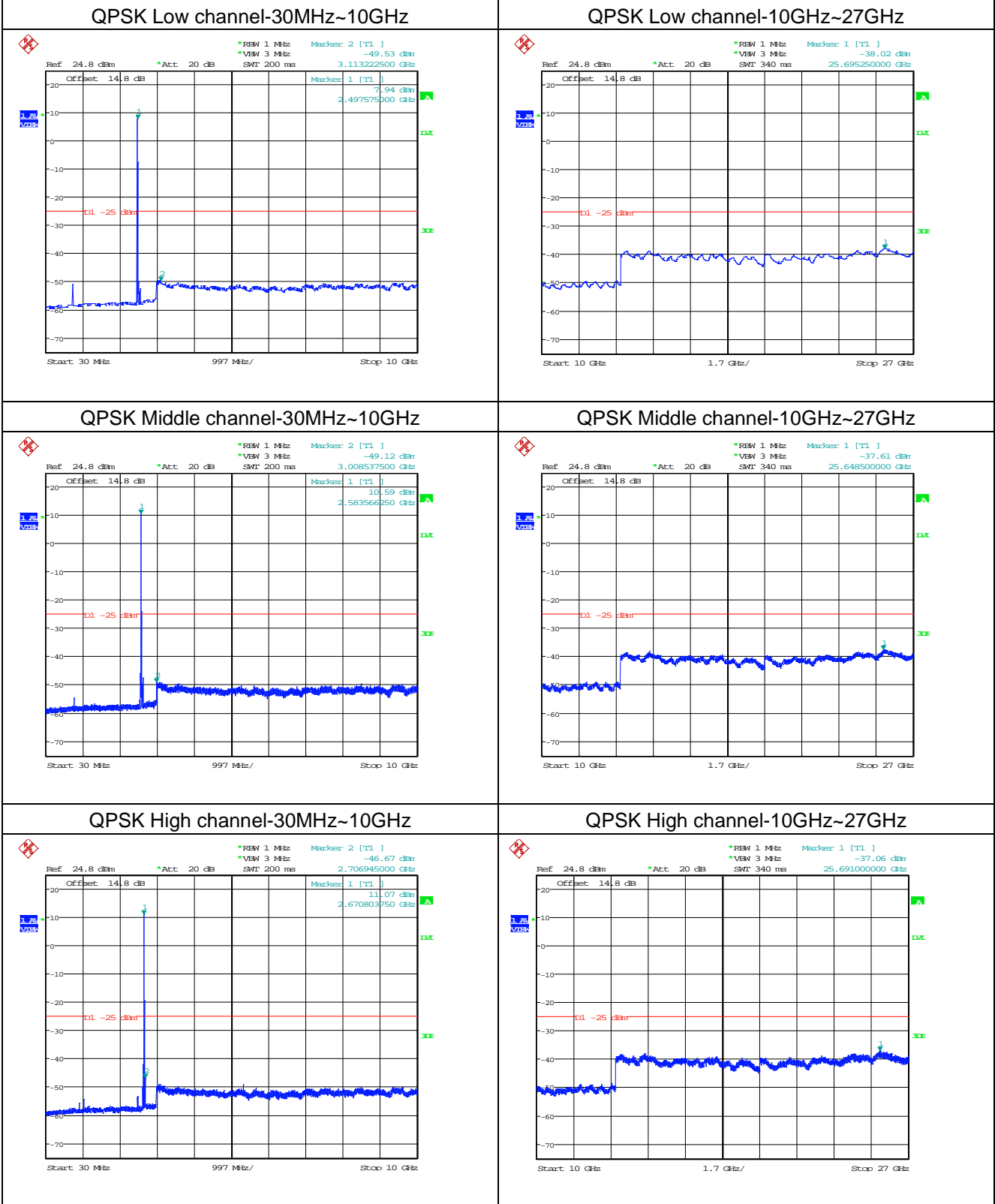| LTE FDD Band 41, Nominal Bandwidth: 20MHz, 1RB	
QPSK Low channel-30MHz~10GHz	QPSK Low channel-10GHz~27GHz
QPSK Middle channel-30MHz~10GHz	QPSK Middle channel-10GHz~27GHz
QPSK High channel-30MHz~10GHz	QPSK High channel-10GHz~27GHz

Note: All modes have been tested and we found QPSK modulation, 1 RB/0 offset test mode has the worst test result. Only record the worst test result.