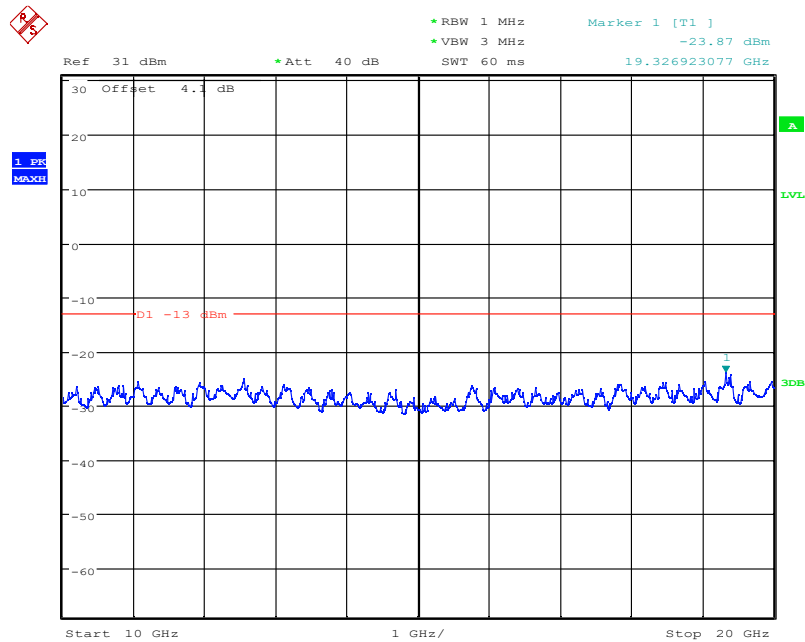


Date: 4.NOV.2021 13:00:20

3MHz bandwidth QPSK Middle Channel, 1880 MHz, 1GHz to 10GHz

Note: The strong emission shown in each case is the carrier signal.

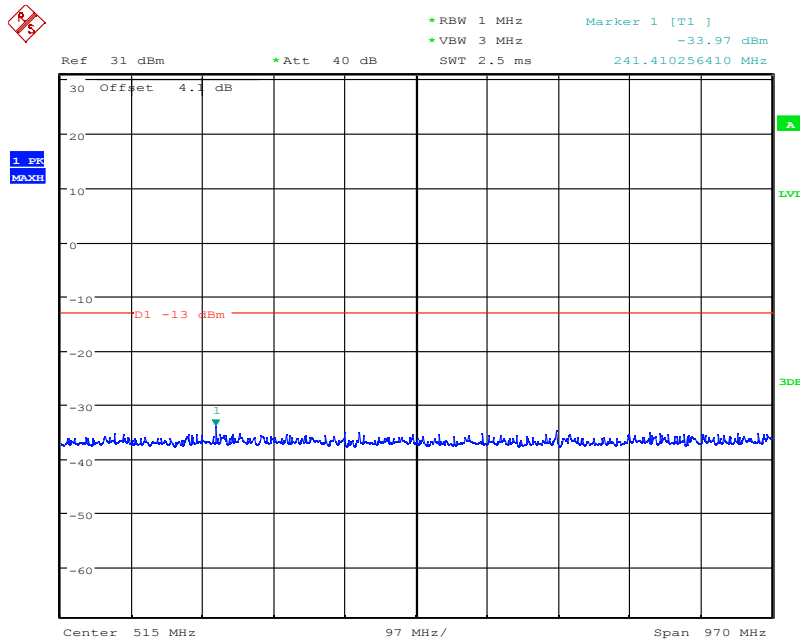


Date: 4.NOV.2021 13:00:06

3MHz bandwidth QPSK Middle Channel, 1880 MHz, 10GHz to 20GHz

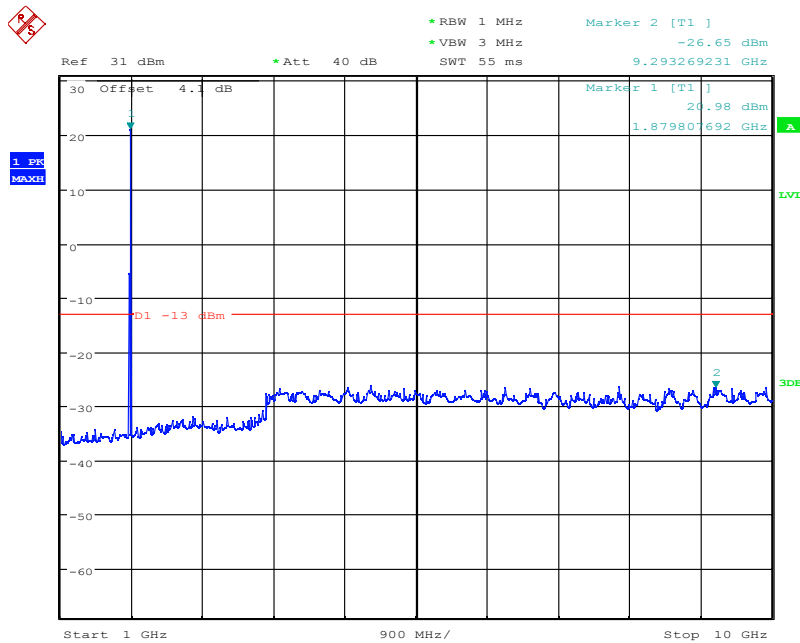
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Date: 4.NOV.2021 13:01:05

5MHz bandwidth QPSK Mode Middle Channel, 1880 MHz,30MHz to 1GHz



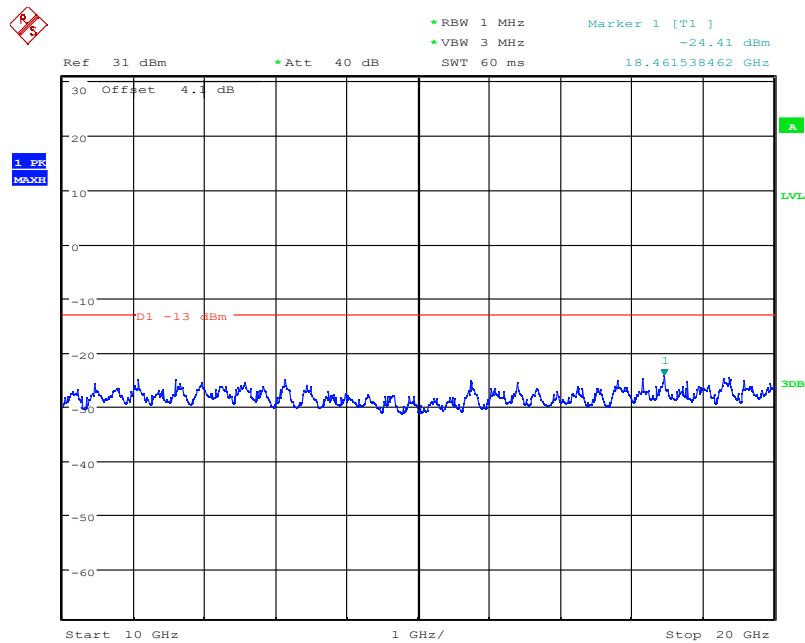
Date: 4.NOV.2021 13:01:23

5MHz bandwidth QPSK Mode Middle Channel, 1880 MHz,1GHz to 10GHz

Note: The strong emission shown in each case is the carrier signal.

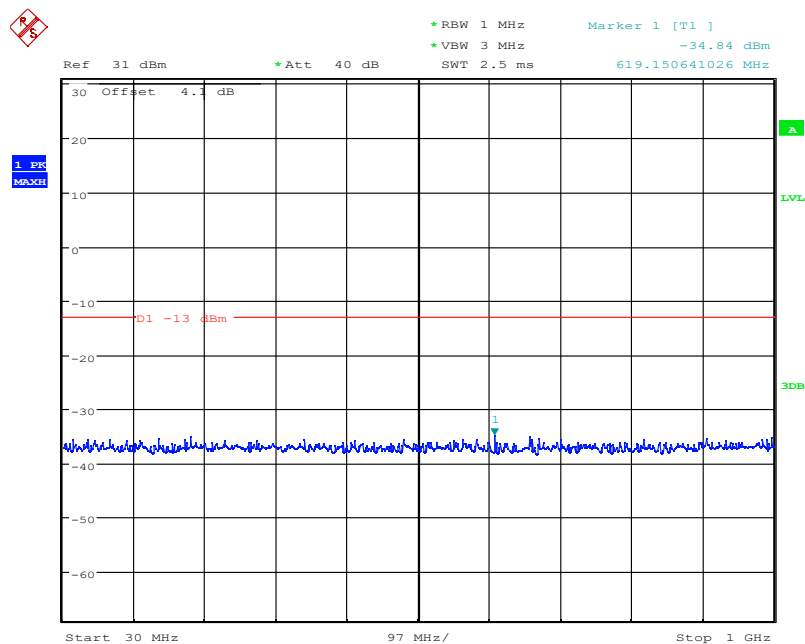
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Date: 4.NOV.2021 13:01:38

5MHz bandwidth QPSK Mode Middle Channel, 1880 MHz, 10GHz to 20GHz

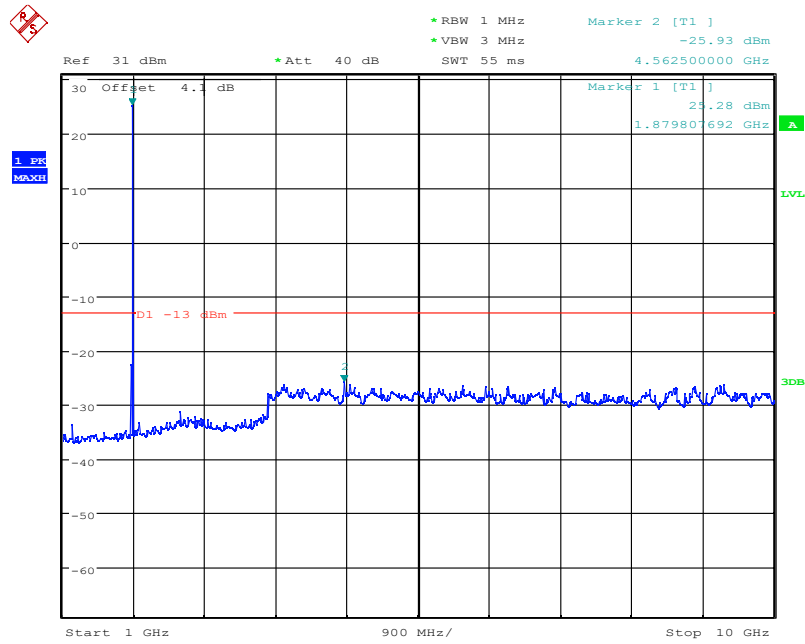


Date: 4.NOV.2021 13:02:34

10MHz bandwidth QPSK Mode Middle Channel, 1880 MHz, 30MHz to 1GHz

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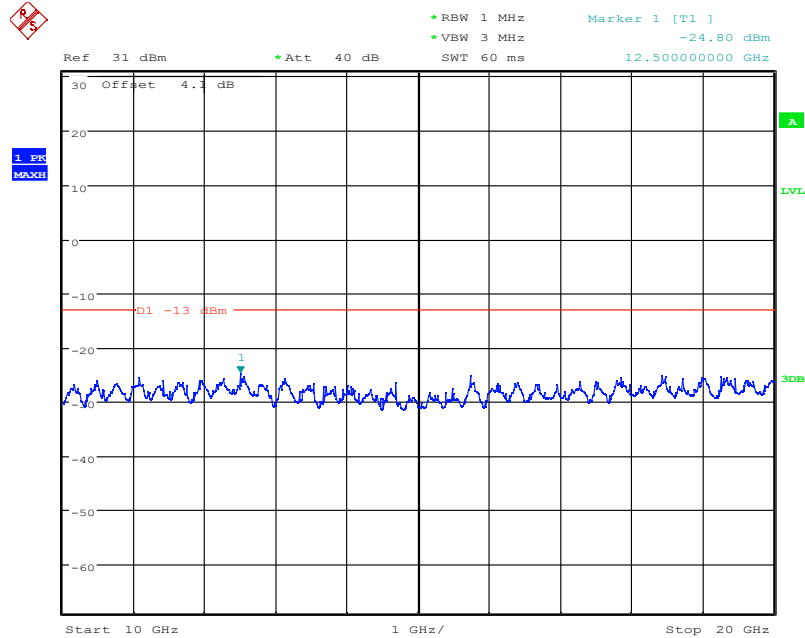
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 Tel: 0086-23-88069965      FAX: 0086-23-88608777



Date: 4.NOV.2021 13:02:22

10MHz bandwidth QPSK Mode Middle Channel, 1880 MHz, 1GHz to 10GHz

Note: The strong emission shown in each case is the carrier signal.

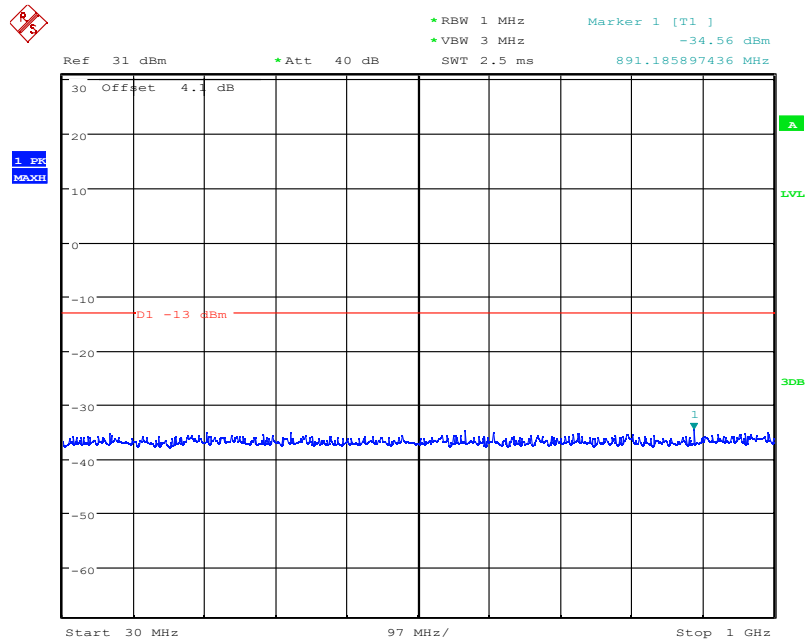


Date: 4.NOV.2021 13:02:06

10MHz bandwidth QPSK Mode Middle Channel, 1880 MHz, 10GHz to 20GHz

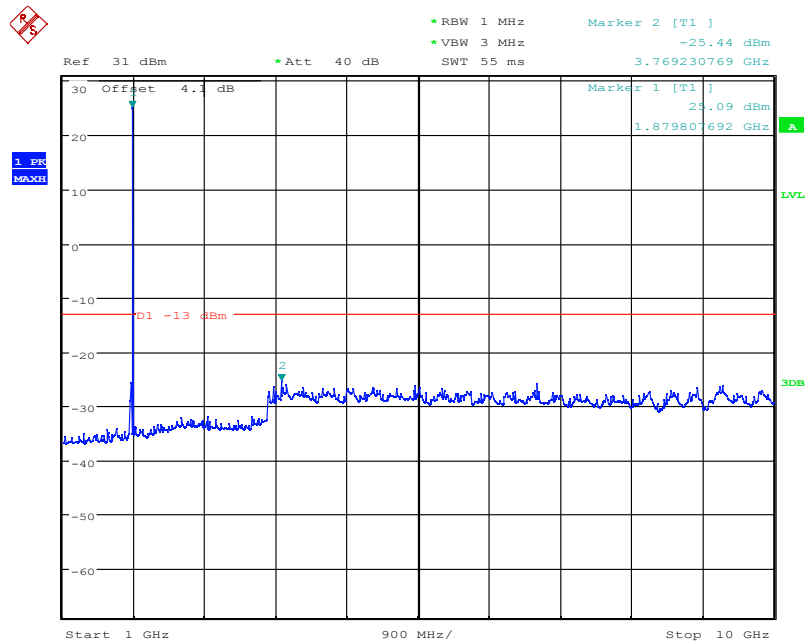
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Date: 4.NOV.2021 13:02:57

15MHz bandwidth QPSK Mode Middle Channel, 1880 MHz, 30MHz to 1GHz



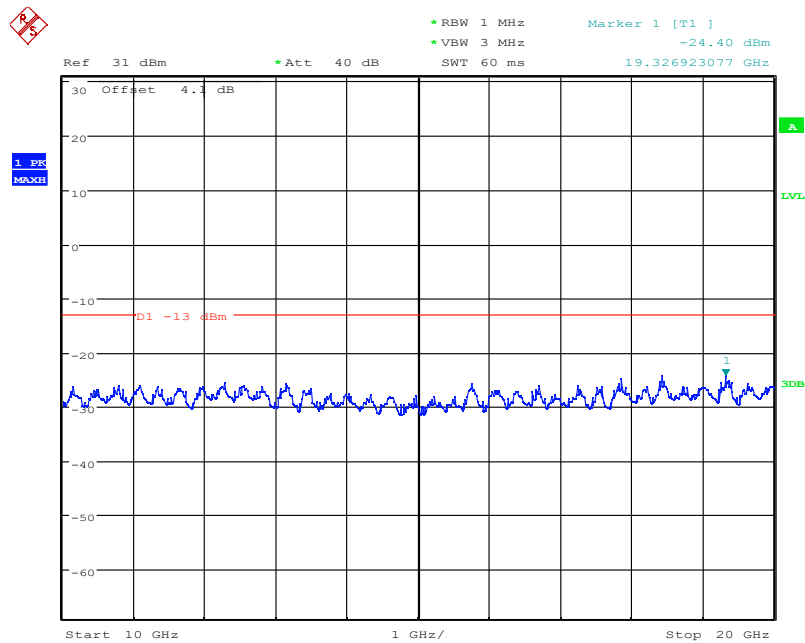
Date: 4.NOV.2021 13:03:12

15MHz bandwidth QPSK Mode Middle Channel, 1880 MHz, 1GHz to 10GHz

Note: The strong emission shown in each case is the carrier signal.

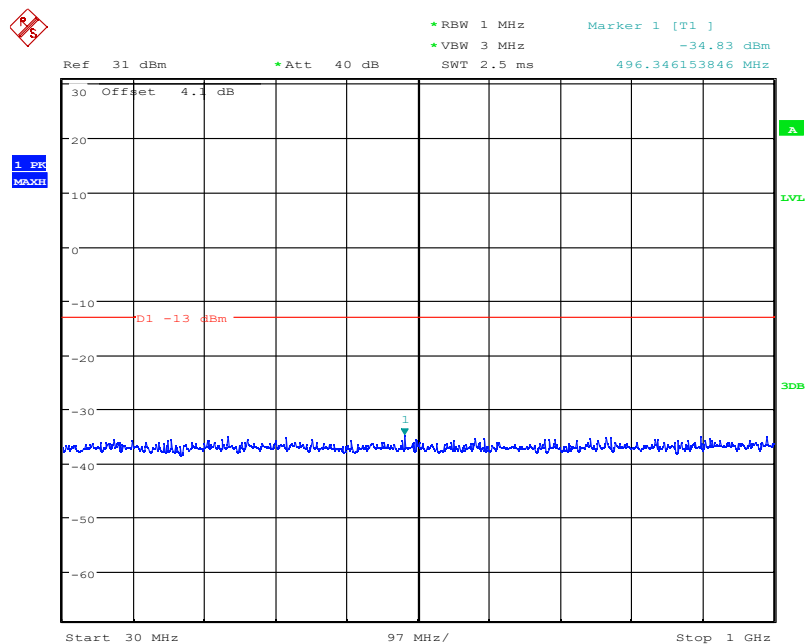
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 Tel: 0086-23-88069965    FAX: 0086-23-88608777



Date: 4.NOV.2021 13:03:26

15MHz bandwidth QPSK Mode Middle Channel, 1880 MHz, 10GHz to 20GHz

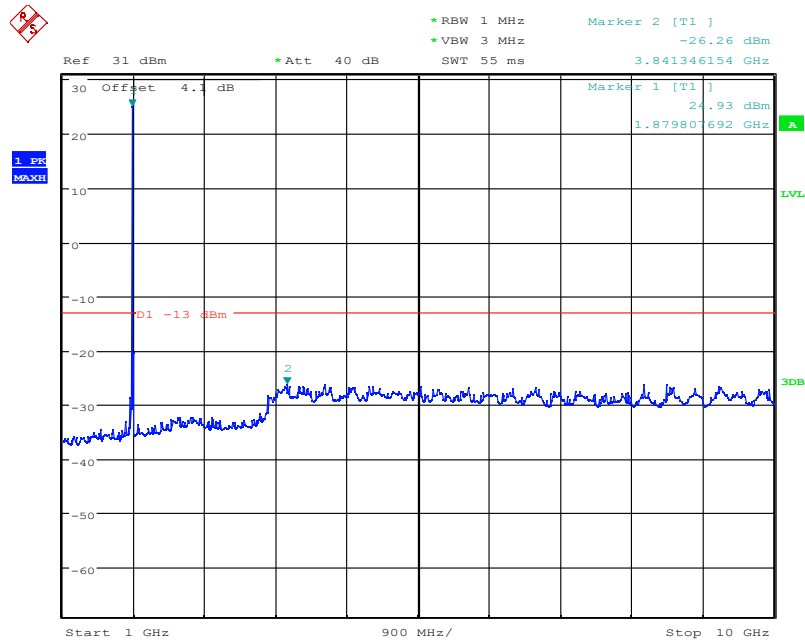


Date: 4.NOV.2021 13:04:12

20MHz bandwidth QPSK Mode Middle Channel, 1880 MHz, 30MHz to 1GHz

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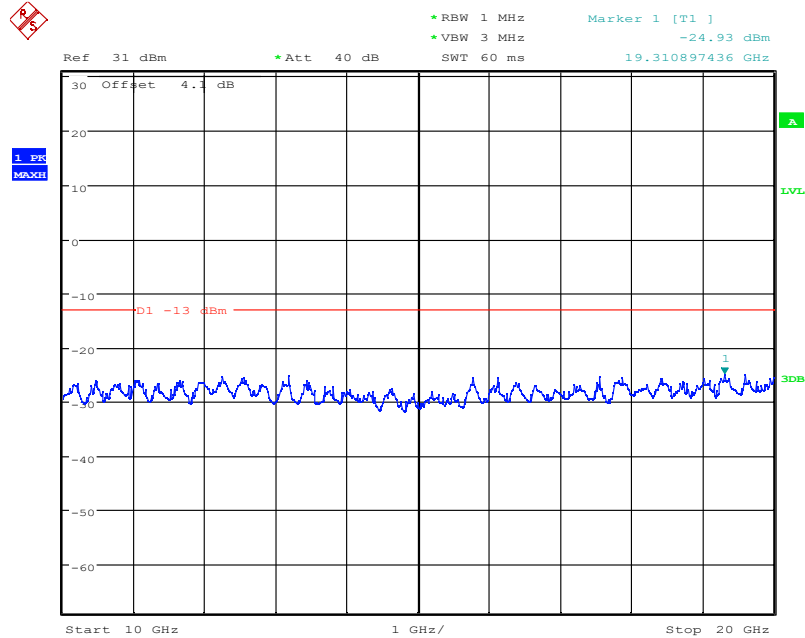
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Date: 4.NOV.2021 13:03:59

20MHz bandwidth QPSK Mode Middle Channel, 1880 MHz, 1GHz to 10GHz

Note: The strong emission shown in each case is the carrier signal.



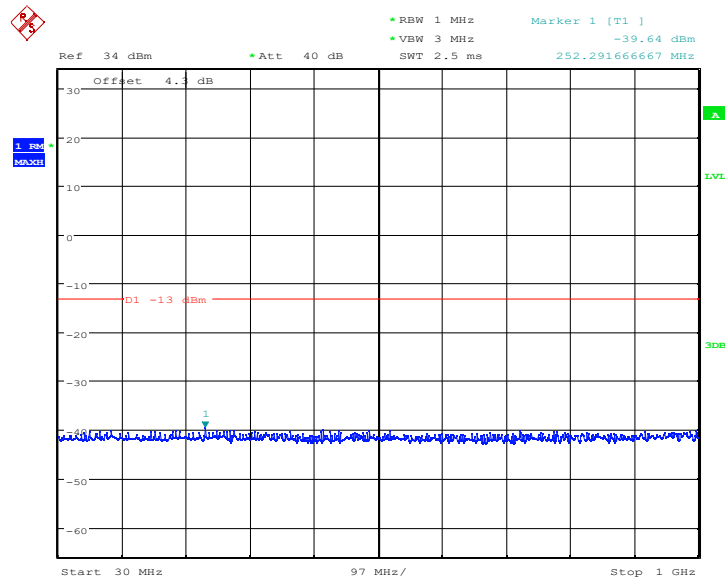
Date: 4.NOV.2021 13:03:42

20MHz bandwidth QPSK Mode Middle Channel, 1880 MHz, 10GHz to 20GHz

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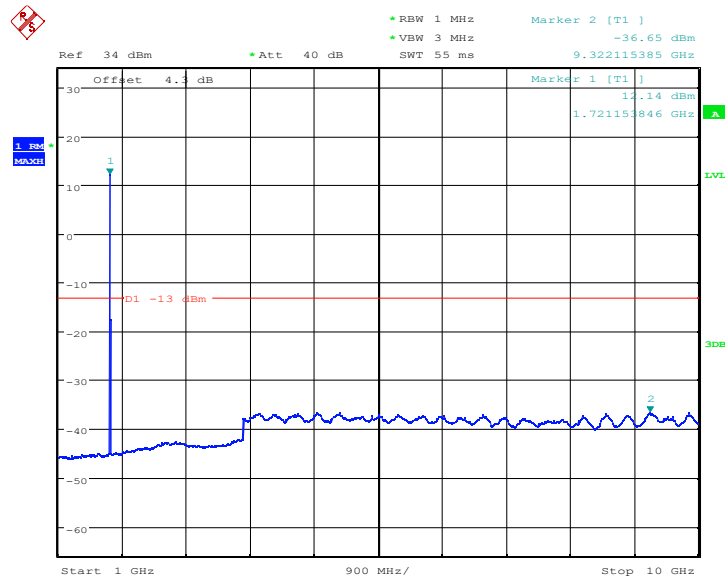
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336  
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### 6.5.7 LTE B4 Conducted Spurious Emission Results



Date: 7.NOV.2021 23:04:41

1.4MHz bandwidth QPSK Mode Middle channel, 1732.5 MHz, 30MHz to 1GHz



Date: 7.NOV.2021 23:04:57

1.4MHz bandwidth QPSK Middle channel, 1732.5MHz, 1GHz to 10GHz

Note: The strong emission shown in each case is the carrier signal.

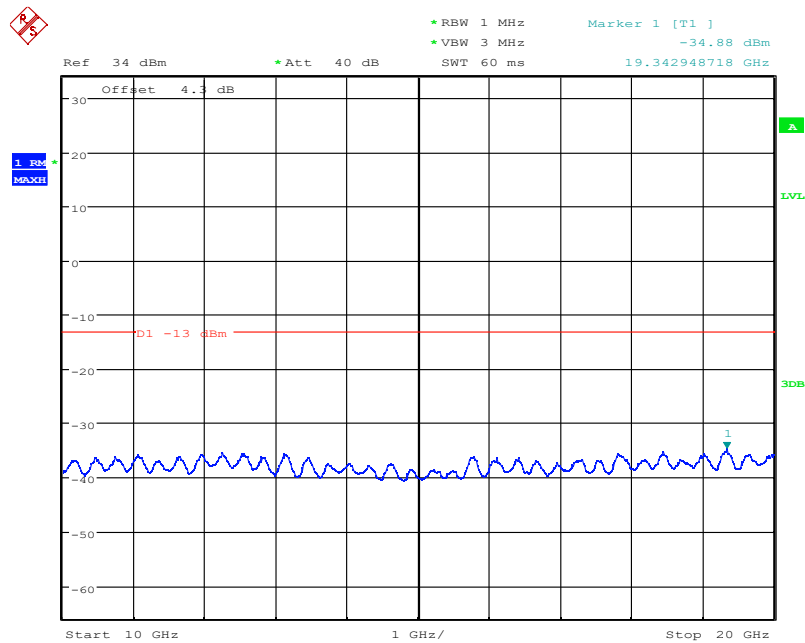
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 Tel: 0086-23-88069965    FAX: 0086-23-88608777



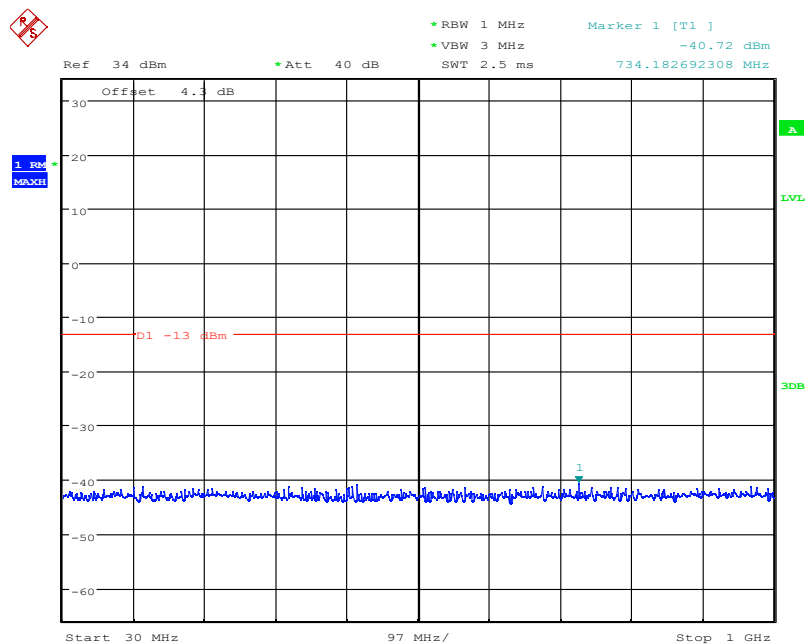


Report No.: I21W00039-WWAN\_Rev3



Date: 7.NOV.2021 23:05:12

1.4MHz bandwidth QPSK Middle channel, 1732.5 MHz, 10GHz to 20GHz

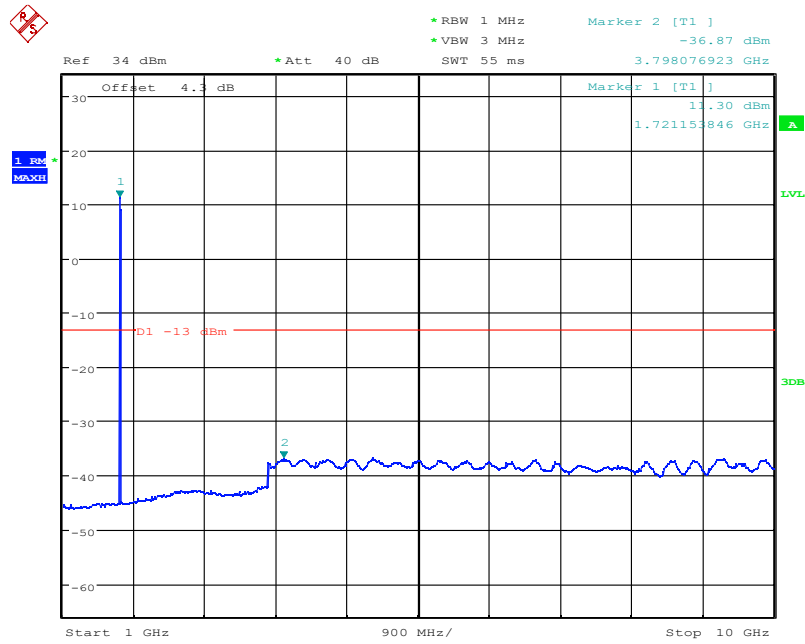


Date: 7.NOV.2021 23:06:32

3MHz bandwidth QPSK Mode Middle Channel, 1732.5 MHz, 30MHz to 1GHz

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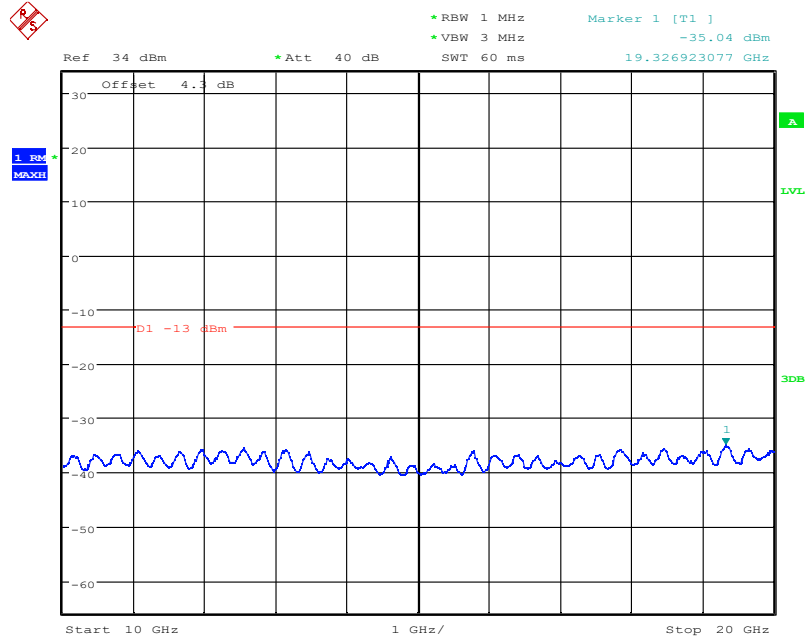
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Tel: 0086-23-88069965      FAX: 0086-23-88608777



Date: 7.NOV.2021 23:06:18

3MHz bandwidth QPSK Middle Channel, 1732.5 MHz, 1GHz to 10GHz

Note: The strong emission shown in each case is the carrier signal.

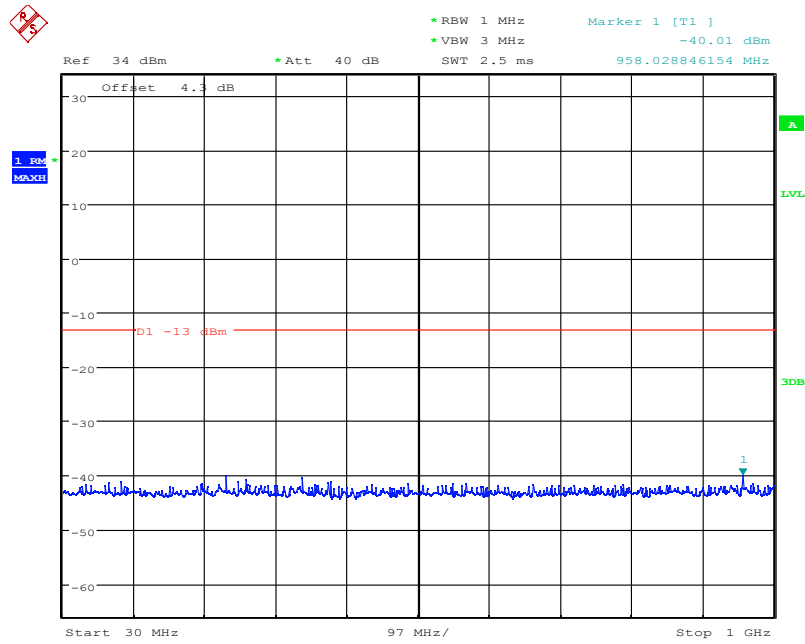


Date: 7.NOV.2021 23:06:05

3MHz bandwidth QPSK Middle Channel, 1732.5 MHz, 10GHz to 20GHz

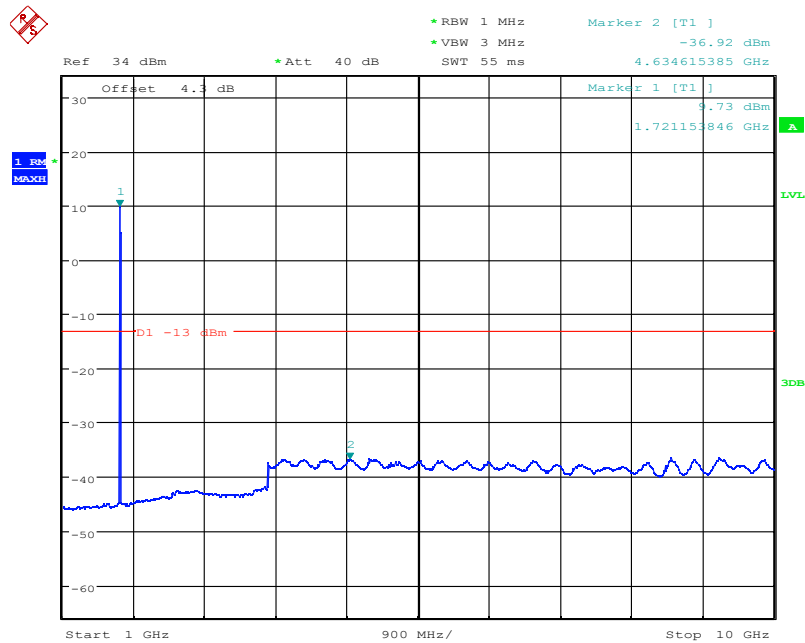
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Date: 7.NOV.2021 23:06:43

5MHz bandwidth QPSK Mode Middle Channel, 1732.5 MHz,30MHz to 1GHz



Date: 7.NOV.2021 23:07:05

5MHz bandwidth QPSK Mode Middle Channel, 1732.5 MHz,1GHz to 10GHz

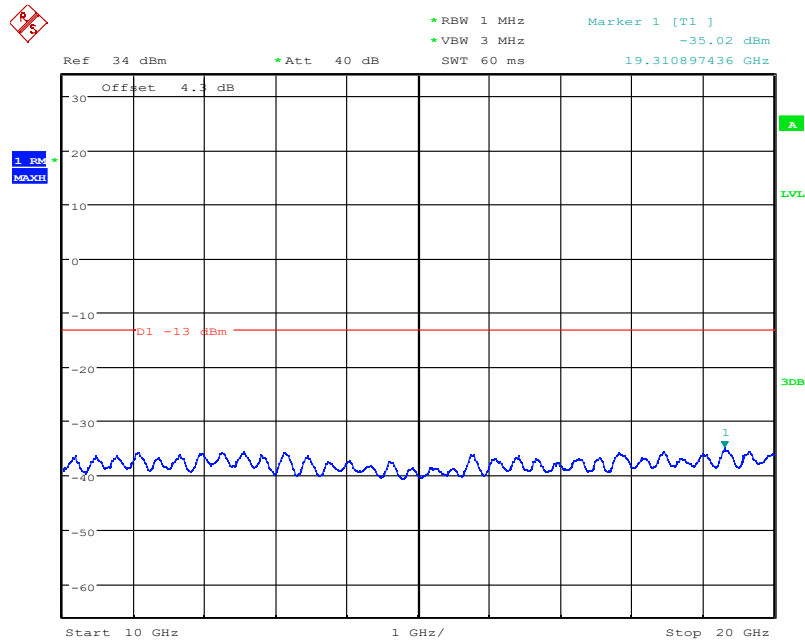
Note: The strong emission shown in each case is the carrier signal.

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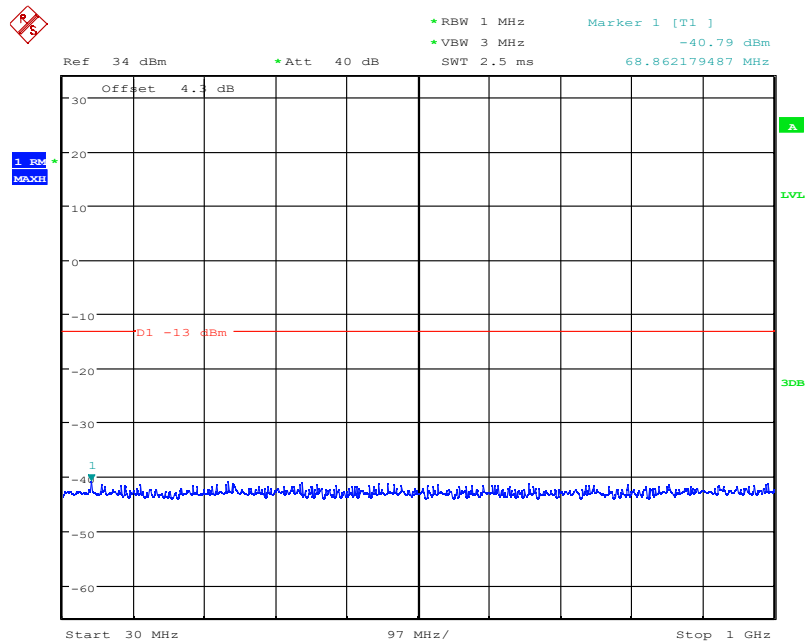


# Report No.: I21W00039-WWAN\_Rev3



Date: 7.NOV.2021 23:07:18

## 5MHz bandwidth QPSK Mode Middle Channel, 1732.5 MHz, 10GHz to 20GHz

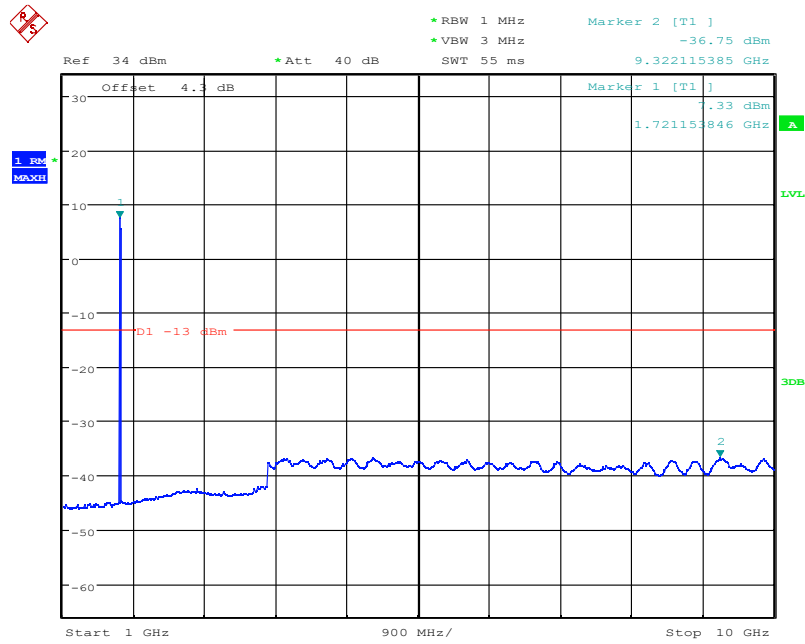


Date: 7.NOV.2021 23:07:57

## 10MHz bandwidth QPSK Mode Middle Channel, 1732.5 MHz, 30MHz to 1GHz

### Chongqing Academy of Information and Communication Technology

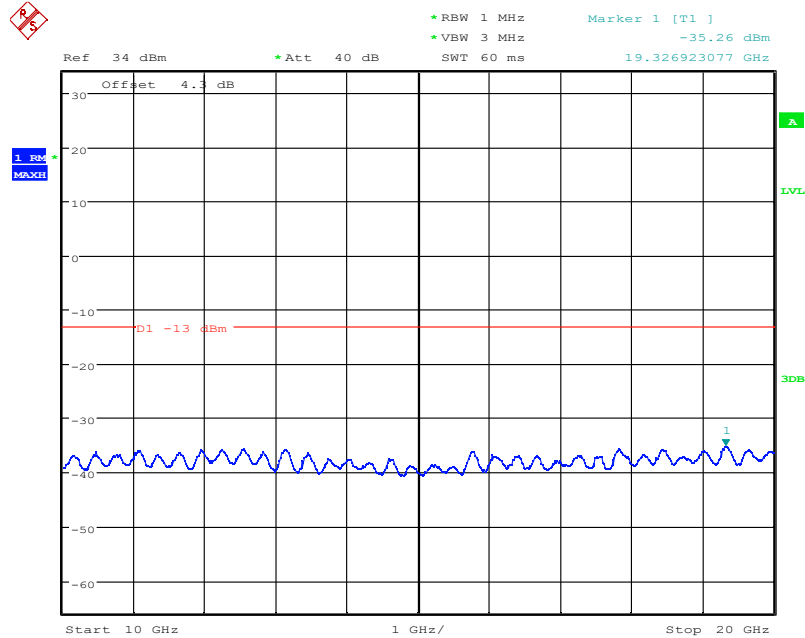
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Tel: 0086-23-88069965      FAX: 0086-23-88608777



Date: 7.NOV.2021 23:07:43

10MHz bandwidth QPSK Mode Middle Channel, 1732.5 MHz, 1GHz to 10GHz

Note: The strong emission shown in each case is the carrier signal.

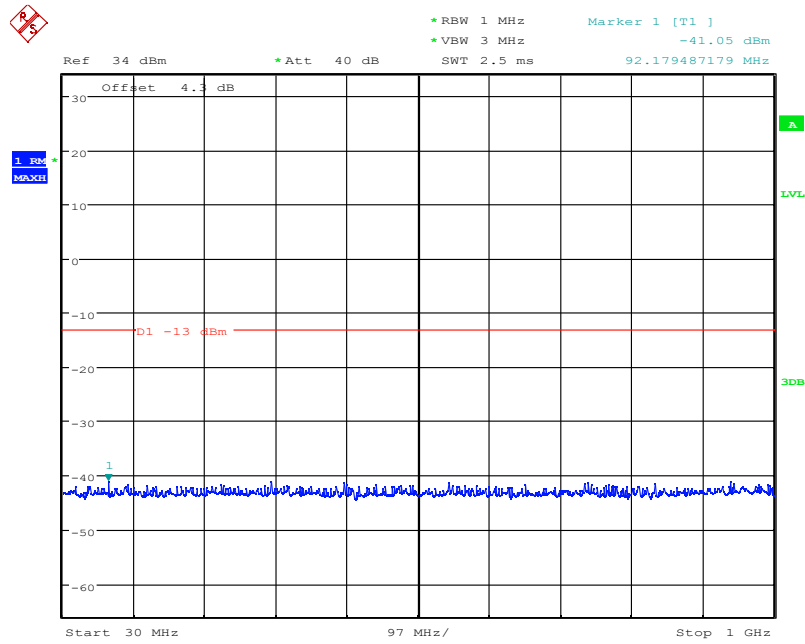


Date: 7.NOV.2021 23:07:29

10MHz bandwidth QPSK Mode Middle Channel, 1732.5 MHz, 10GHz to 20GHz

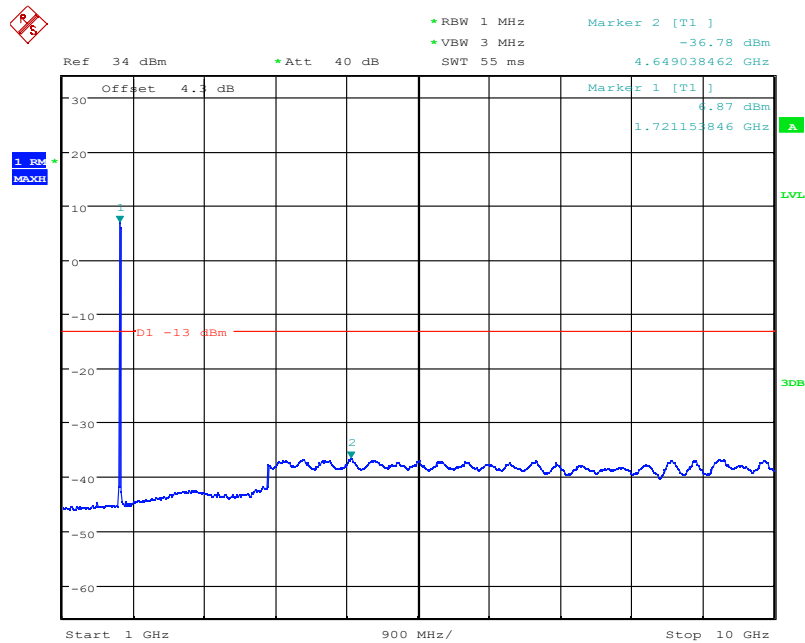
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Date: 7.NOV.2021 23:09:13

15MHz bandwidth QPSK Mode Middle Channel, 1732.5 MHz, 30MHz to 1GHz



Date: 7.NOV.2021 23:09:27

15MHz bandwidth QPSK Mode Middle Channel, 1732.5 MHz, 1GHz to 10GHz

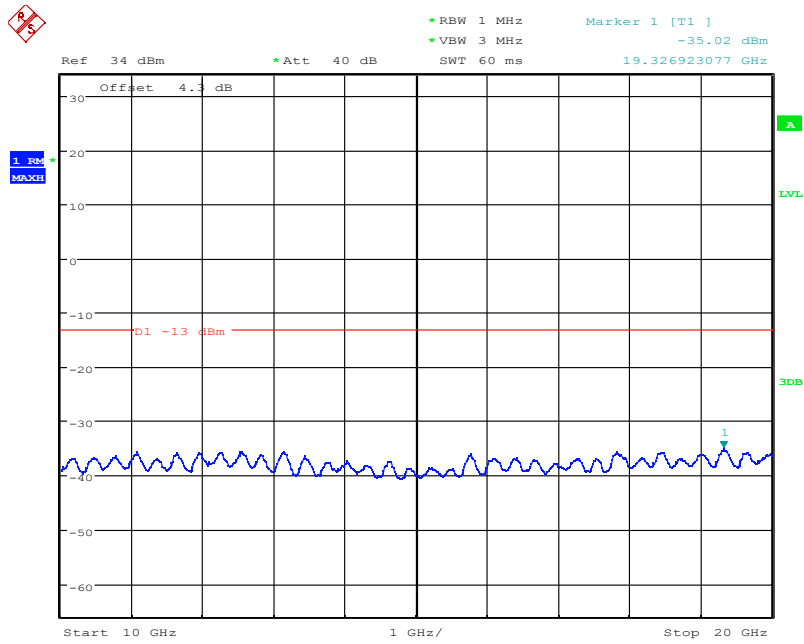
Note: The strong emission shown in each case is the carrier signal.

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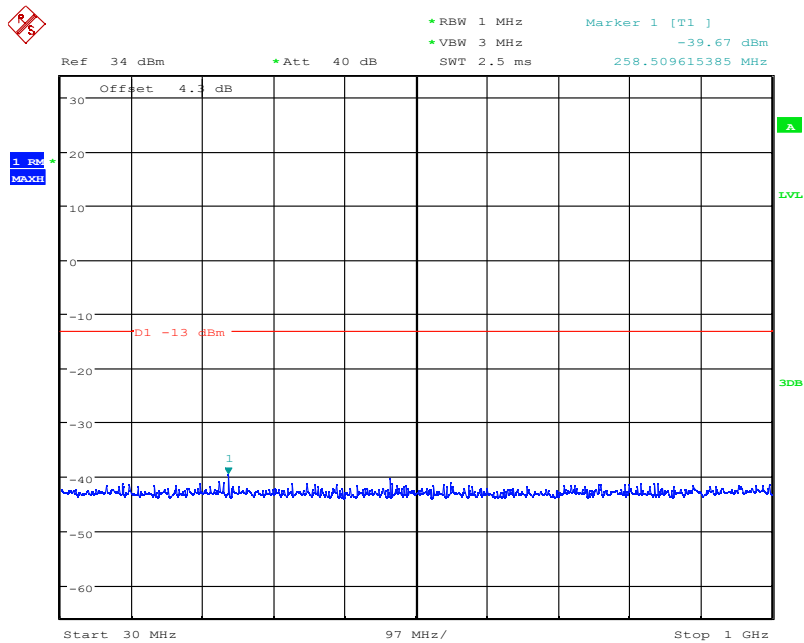


# Report No.: I21W00039-WWAN\_Rev3



Date: 7.NOV.2021 23:09:40

15MHz bandwidth QPSK Mode Middle Channel, 1732.5 MHz, 10GHz to 20GHz

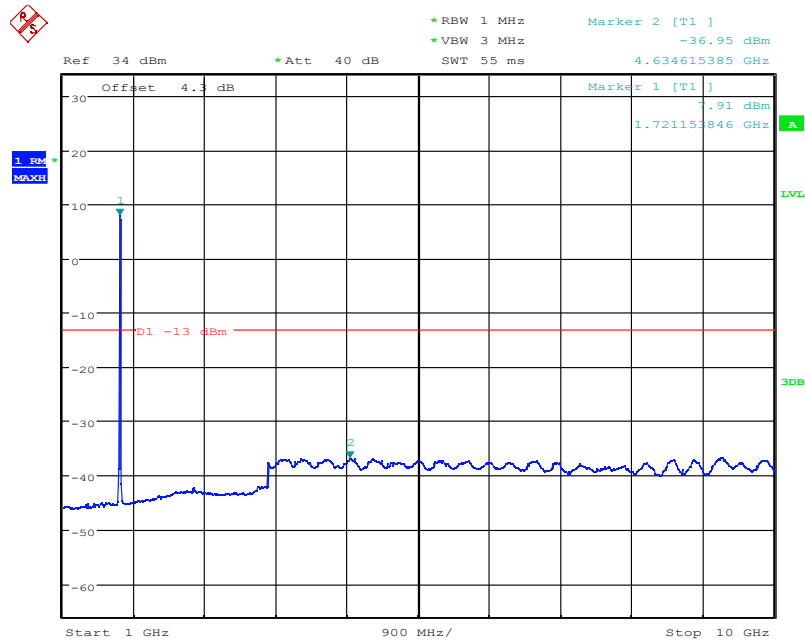


Date: 7.NOV.2021 23:10:18

20MHz bandwidth QPSK Mode Middle Channel, 1732.5 MHz, 30MHz to 1GHz

## Chongqing Academy of Information and Communication Technology

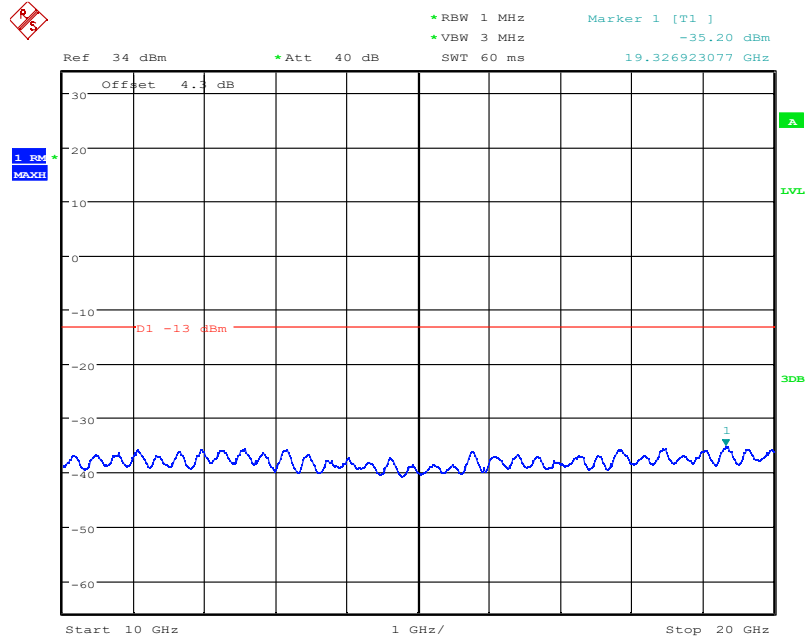
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Tel: 0086-23-88069965      FAX:0086-23-88608777



Date: 7.NOV.2021 23:10:05

20MHz bandwidth QPSK Mode Middle Channel, 1732.5 MHz, 1GHz to 10GHz

Note: The strong emission shown in each case is the carrier signal.



Date: 7.NOV.2021 23:09:51

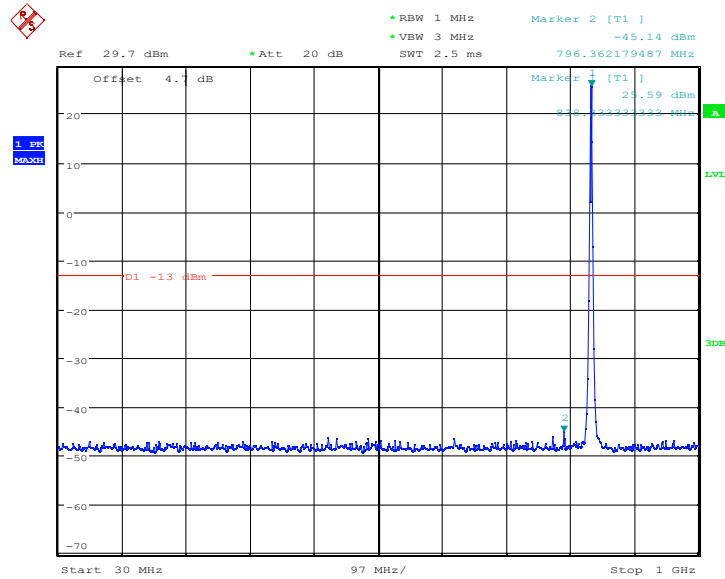
20MHz bandwidth QPSK Mode Middle Channel, 1732.5 MHz, 10GHz to 20GHz

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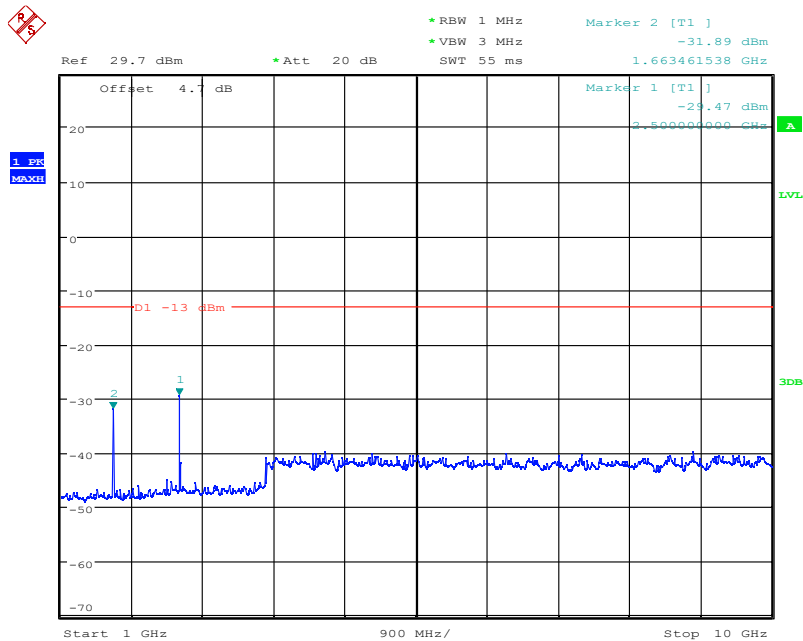
### 6.5.8 LTE B5 Conducted Spurious Emission Results



Date: 3.NOV.2021 12:36:56

1.4MHz bandwidth QPSK Mode Middle Channel, 836.5 MHz,30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.

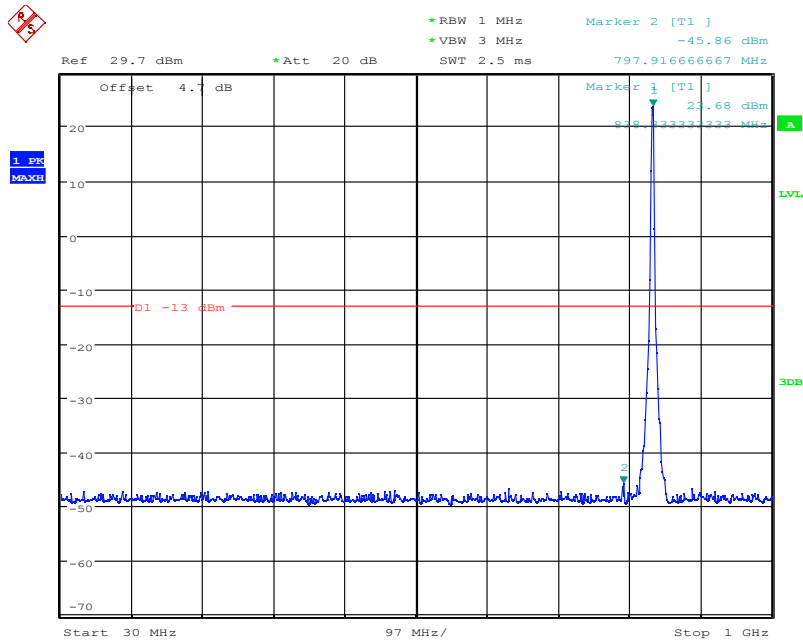


Date: 3.NOV.2021 12:37:11

1.4MHz bandwidth QPSK Mode Middle Channel, 836.5 MHz,1GHz to 10GHz

## Chongqing Academy of Information and Communication Technology

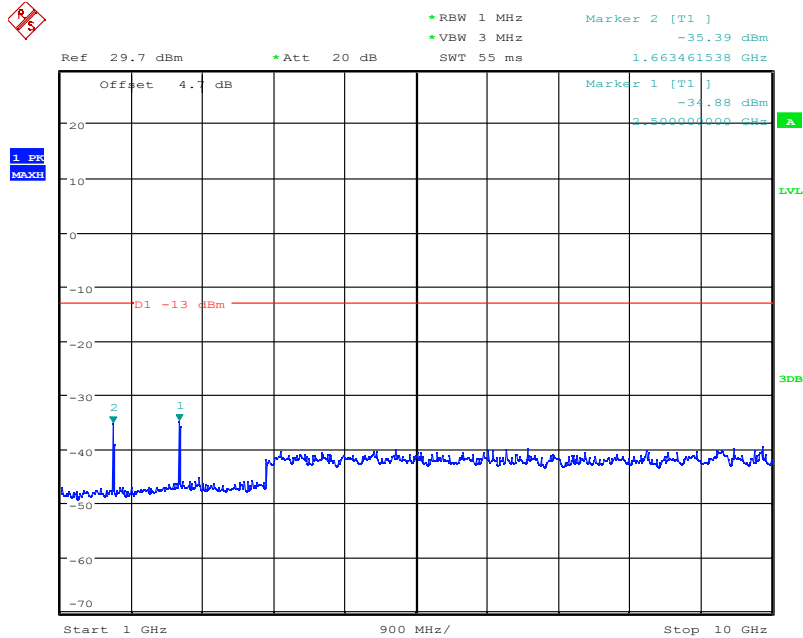
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Date: 3.NOV.2021 12:38:21

3MHz bandwidth QPSK Mode Middle Channel, 836.5 MHz,30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.

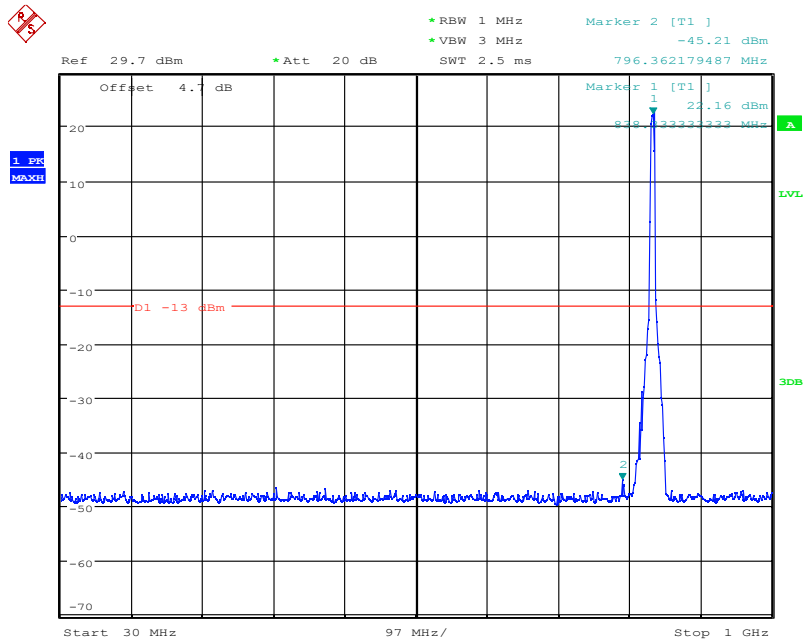


Date: 3.NOV.2021 12:38:04

3MHz bandwidth QPSK Mode Middle Channel, 836.5 MHz,1GHz to 10GHz

### Chongqing Academy of Information and Communication Technology

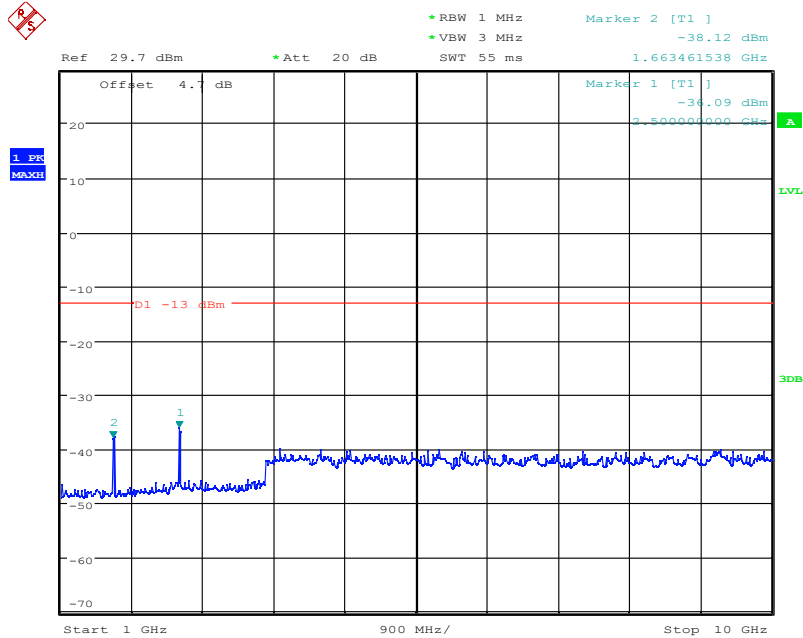
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
 Tel: 0086-23-88069965      FAX:0086-23-88608777



Date: 3.NOV.2021 12:38:43

5MHz bandwidth QPSK Mode Middle Channel, 836.5 MHz, 30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.

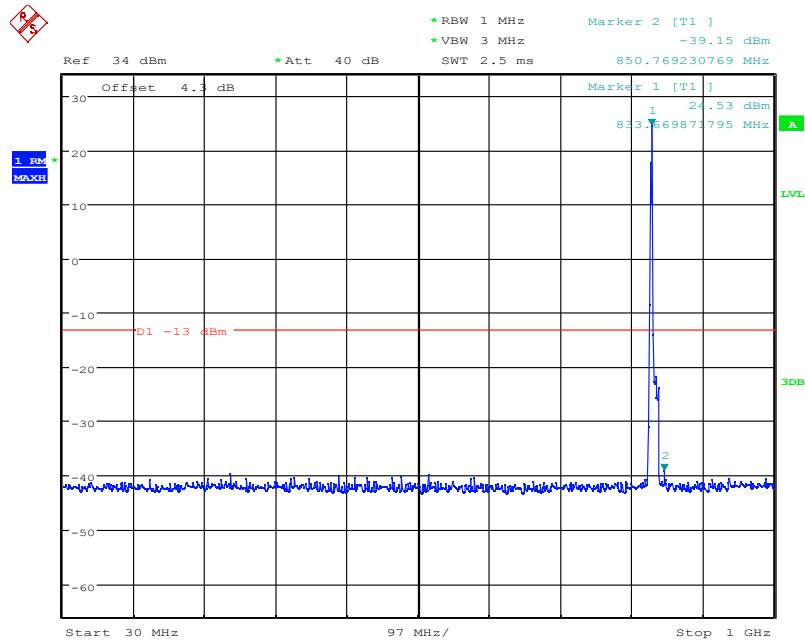


Date: 3.NOV.2021 12:38:55

5MHz bandwidth QPSK Mode Middle Channel, 836.5 MHz, 1GHz to 10GHz

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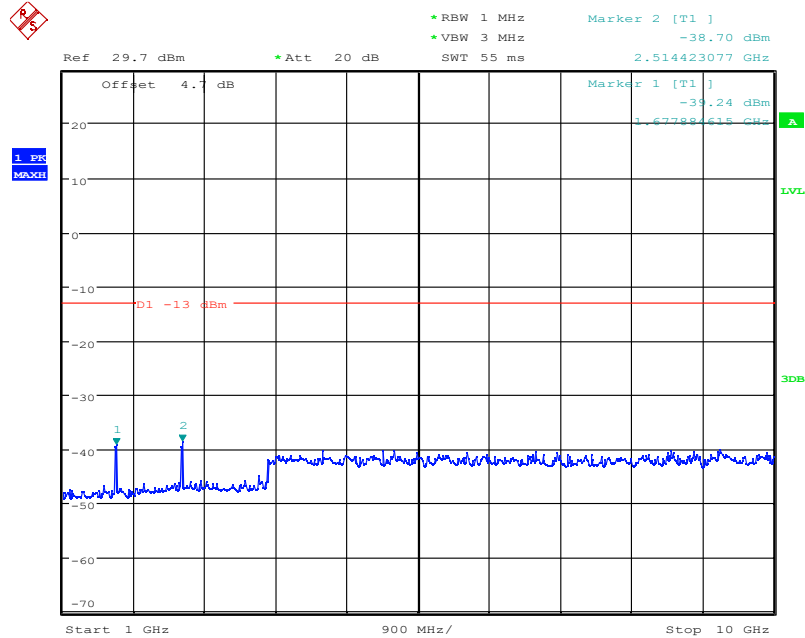
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Date: 7.NOV.2021 23:11:28

10MHz bandwidth QPSK Mode Middle Channel, 836.5 MHz,30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.



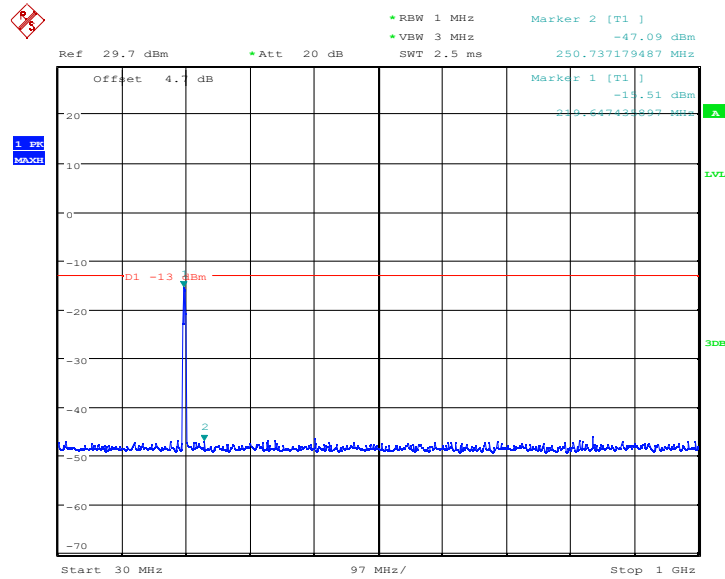
Date: 3.NOV.2021 12:39:30

10MHz bandwidth QPSK Mode Middle Channel, 836.5 MHz,1GHz to 10GHz

### Chongqing Academy of Information and Communication Technology

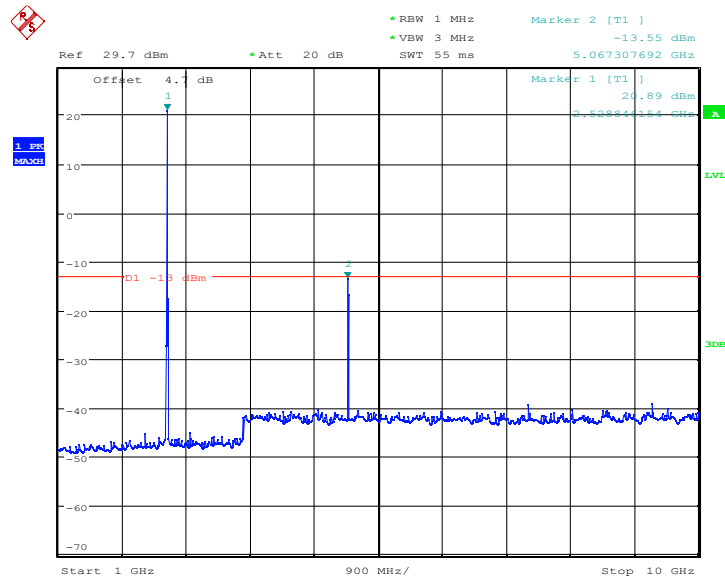
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### 6.5.9 LTE B7 Conducted Spurious Emission Results



Date: 3.NOV.2021 12:31:50

5MHz bandwidth QPSK Mode Middle Channel, 2535 MHz,30MHz to 1GHz



Date: 3.NOV.2021 12:32:15

5MHz bandwidth QPSK Mode Middle Channel, 2535 MHz,1GHz to 10GHz

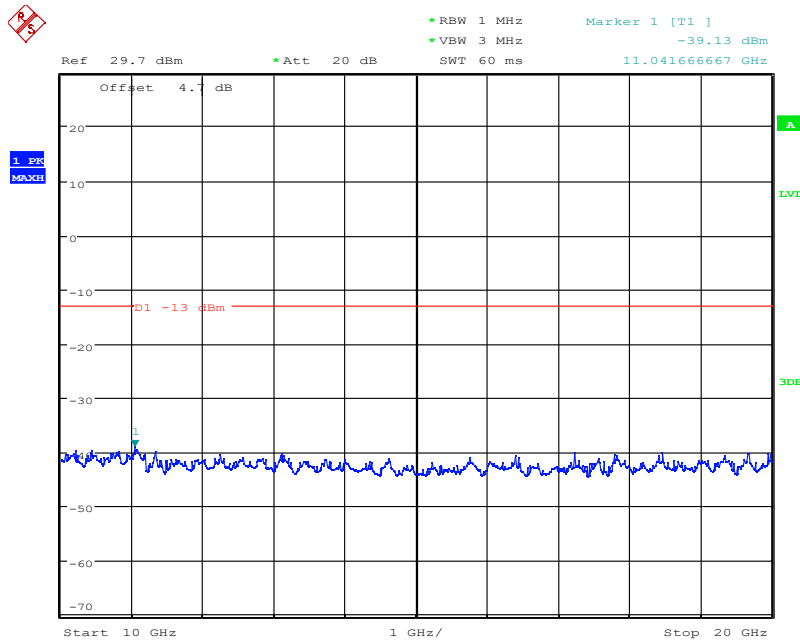
Note: The strong emission shown in each case is the carrier signal.

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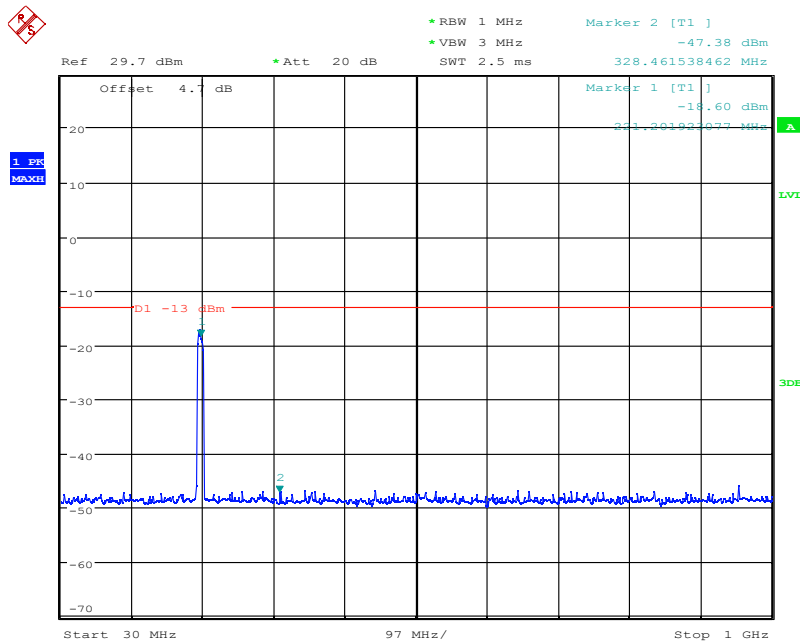


# Report No.: I21W00039-WWAN\_Rev3



Date: 3.NOV.2021 12:32:30

## 5MHz bandwidth QPSK Mode Middle Channel, 2535 MHz, 10GHz to 20GHz

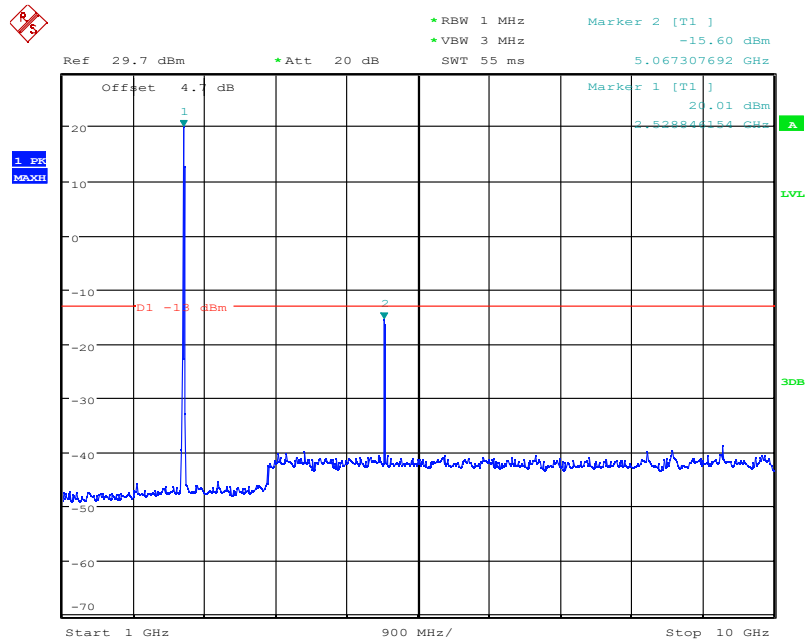


Date: 3.NOV.2021 12:33:10

## 10MHz bandwidth QPSK Mode Middle Channel, 2535 MHz, 30MHz to 1GHz

### Chongqing Academy of Information and Communication Technology

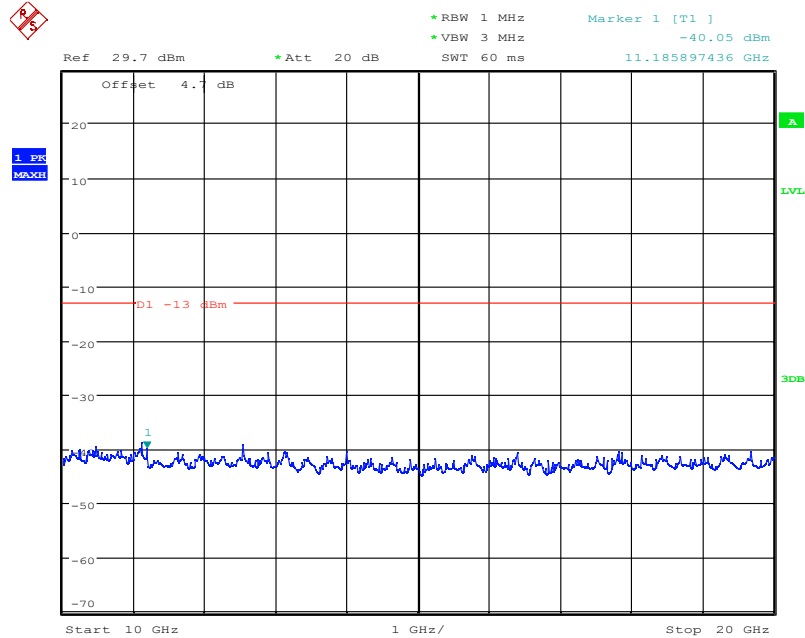
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336  
Tel: 0086-23-88069965    FAX: 0086-23-88608777



Date: 3.NOV.2021 12:32:52

10MHz bandwidth QPSK Mode Middle Channel, 2535 MHz, 1GHz to 10GHz

Note: The strong emission shown in each case is the carrier signal.

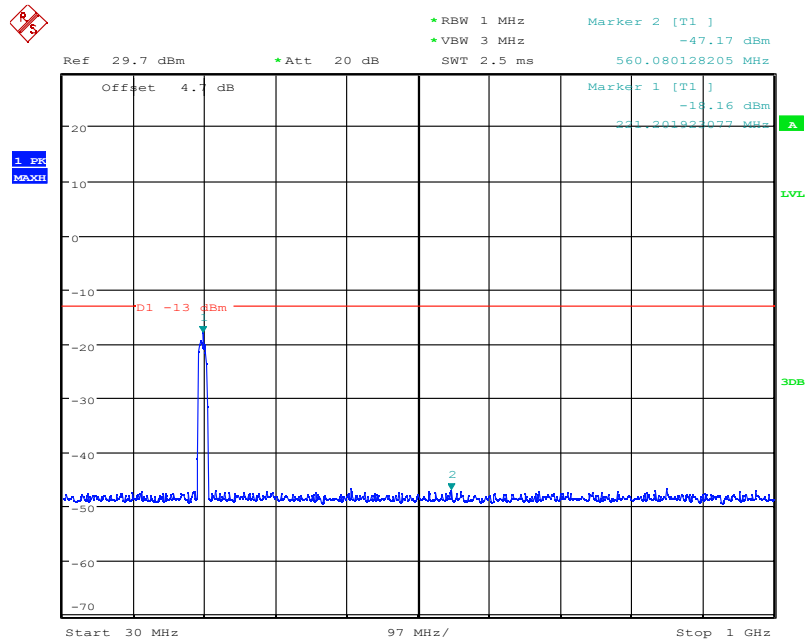


Date: 3.NOV.2021 12:32:40

10MHz bandwidth QPSK Mode Middle Channel, 2535 MHz, 10GHz to 20GHz

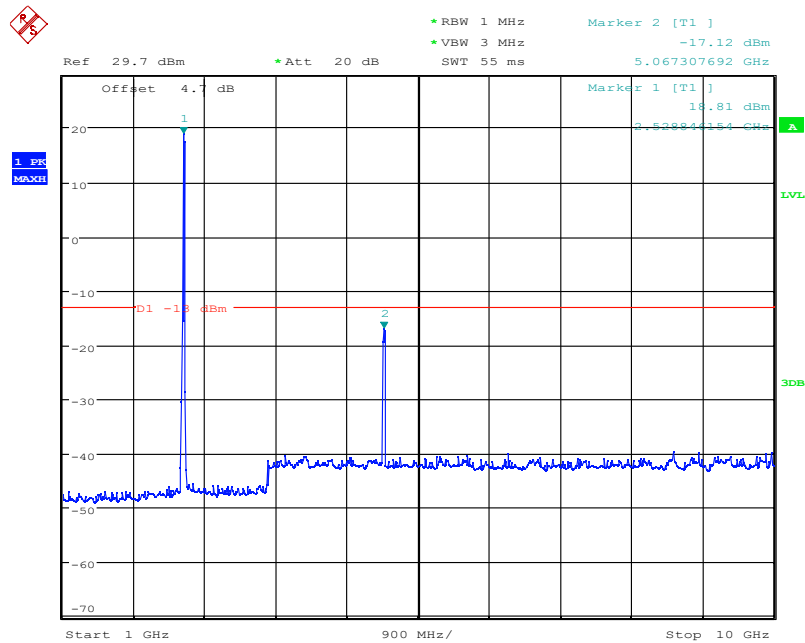
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Date: 3.NOV.2021 12:33:33

15MHz bandwidth QPSK Mode Middle Channel, 2535 MHz,30MHz to 1GHz



Date: 3.NOV.2021 12:33:51

15MHz bandwidth QPSK Mode Middle Channel, 2535 MHz,1GHz to 10GHz

Note: The strong emission shown in each case is the carrier signal.

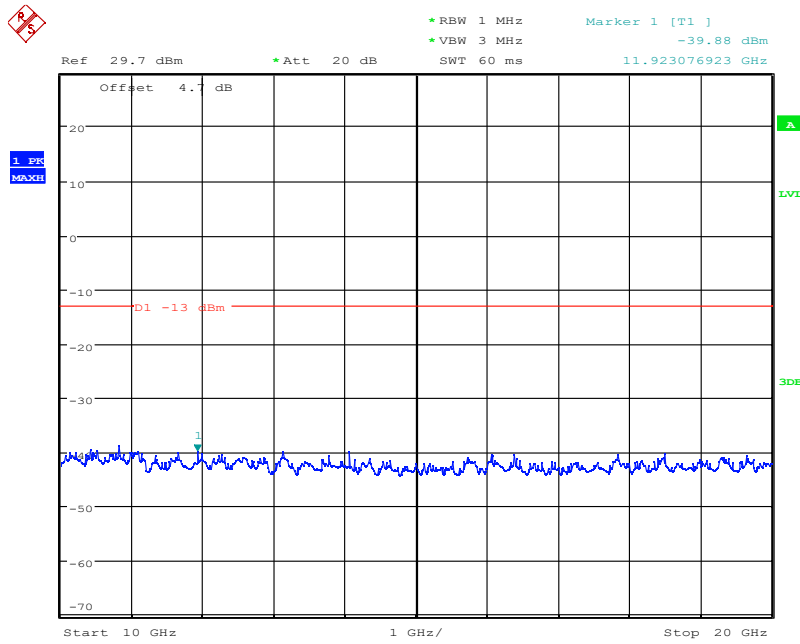
### Chongqing Academy of Information and Communication Technology

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 Tel: 0086-23-88069965 FAX:0086-23-88608777



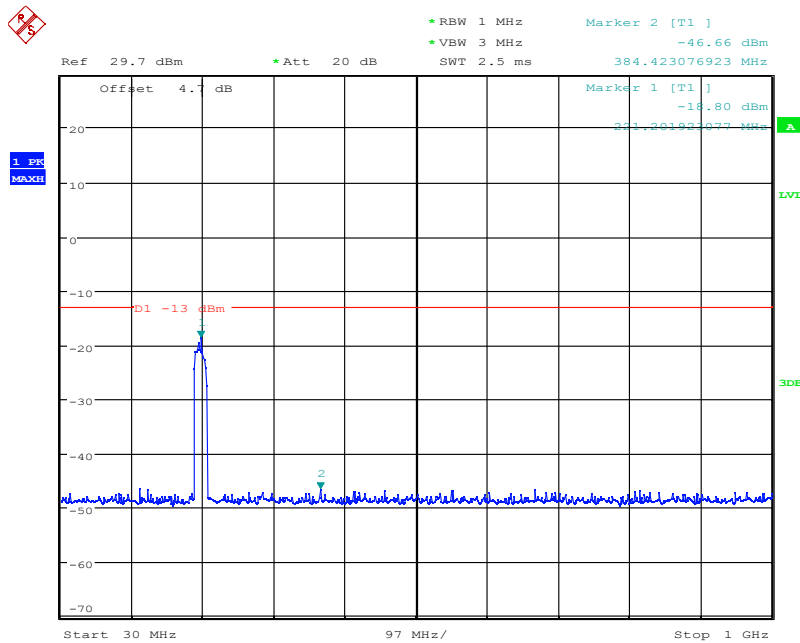


Report No.: I21W00039-WWAN\_Rev3



Date: 3.NOV.2021 12:34:03

15MHz bandwidth QPSK Mode Middle Channel, 2535 MHz,10GHz to 20GHz

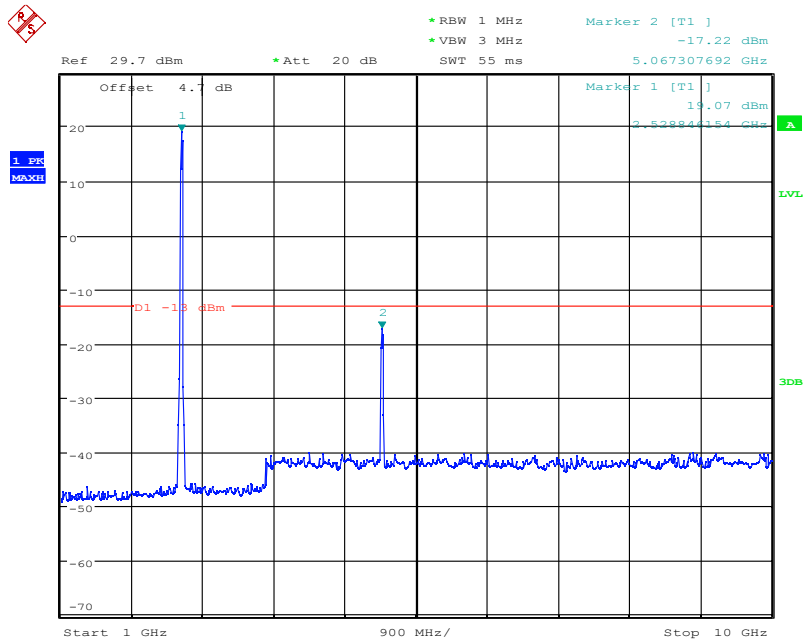


Date: 3.NOV.2021 12:34:50

20MHz bandwidth QPSK Mode Middle Channel, 2535 MHz,30MHz to 1GHz

Chongqing Academy of Information and Communication Technology

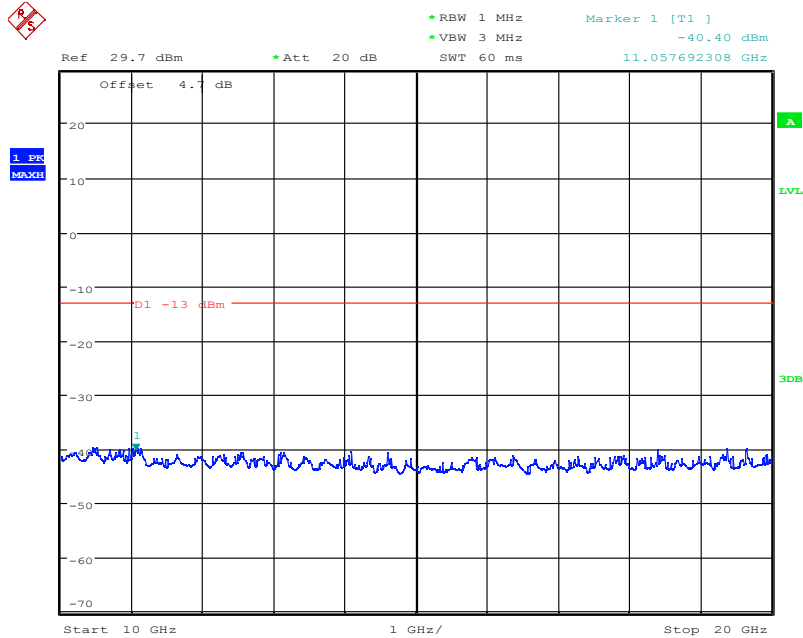
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 3.NOV.2021 12:34:30

20MHz bandwidth QPSK Mode Middle Channel, 2535 MHz, 1GHz to 10GHz

Note: The strong emission shown in each case is the carrier signal.



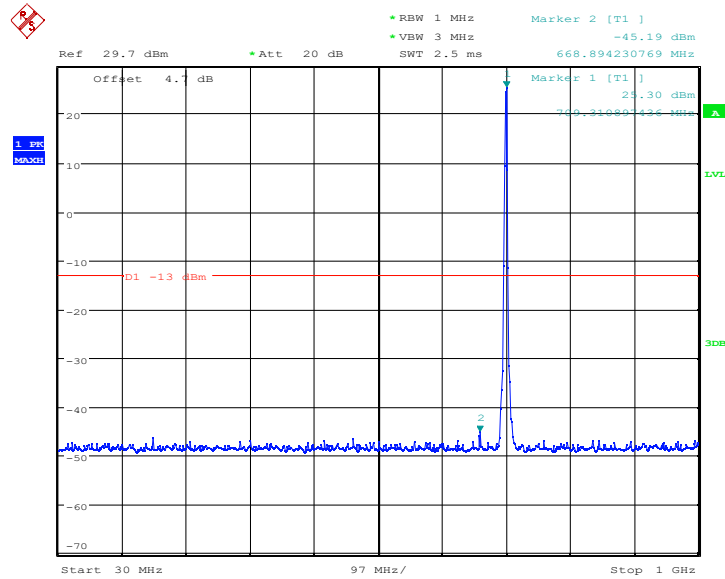
Date: 3.NOV.2021 12:34:16

20MHz bandwidth QPSK Mode Middle Channel, 2535 MHz, 10GHz to 20GHz

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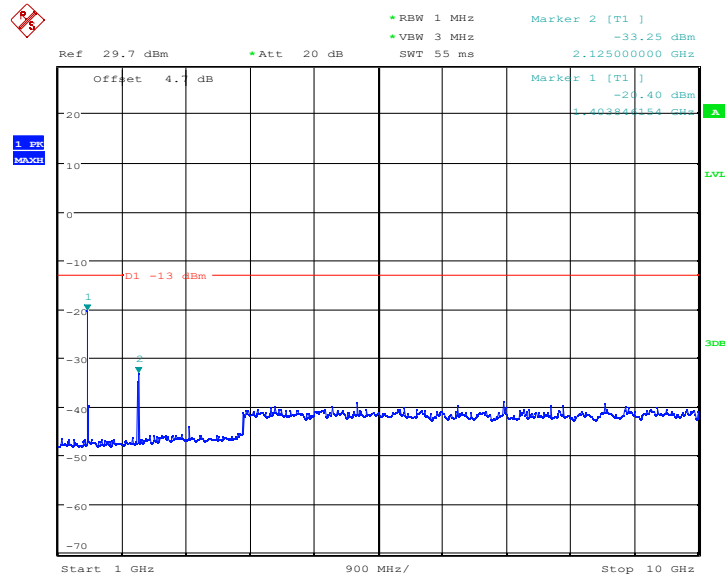
### 6.5.10 LTE B12 Conducted Spurious Emission Results



Date: 3.NOV.2021 12:12:10

1.4MHz bandwidth QPSK Mode Middle Channel, 707.5 MHz,30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.

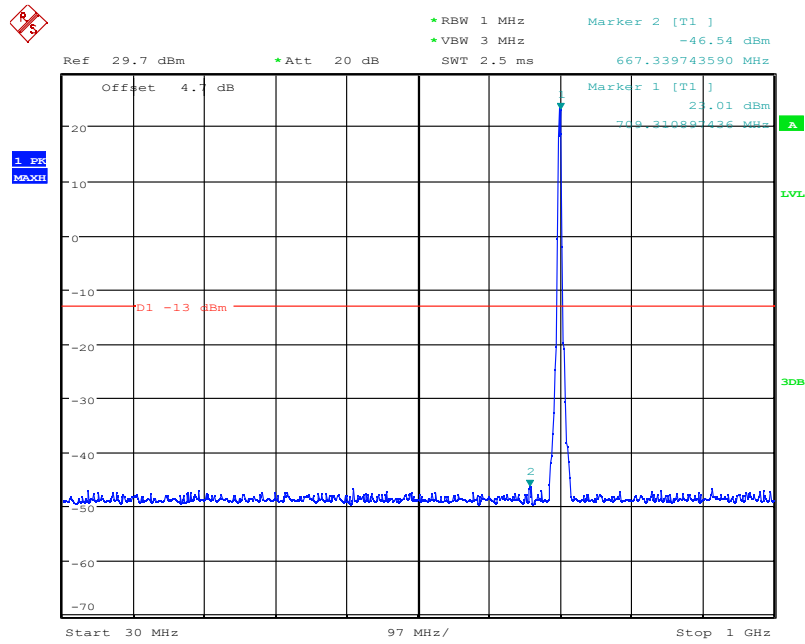


Date: 3.NOV.2021 12:11:46

1.4MHz bandwidth QPSK Mode Middle Channel, 707.5 MHz,1GHz to 10GHz

## Chongqing Academy of Information and Communication Technology

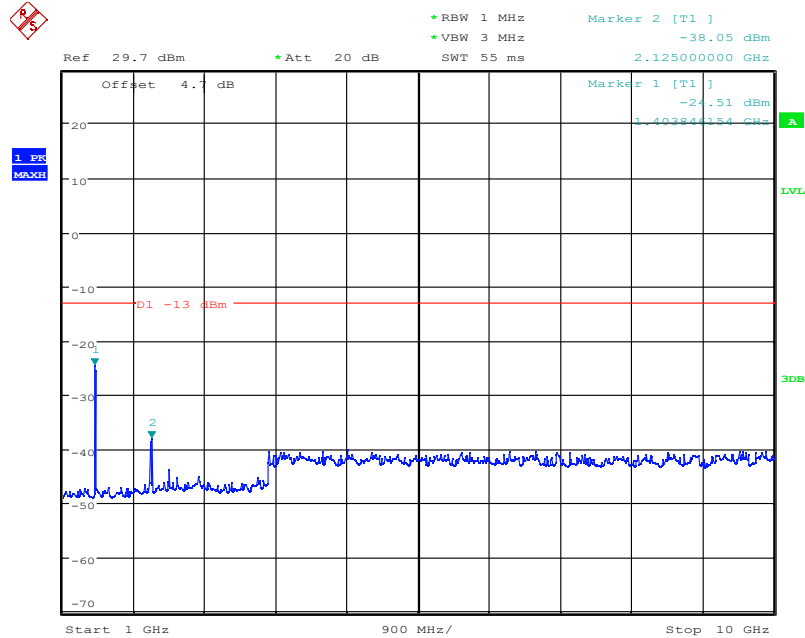
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
 Tel: 0086-23-88069965    FAX:0086-23-88608777



Date: 3.NOV.2021 12:12:28

3MHz bandwidth QPSK Mode Middle Channel, 707.5 MHz,30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.

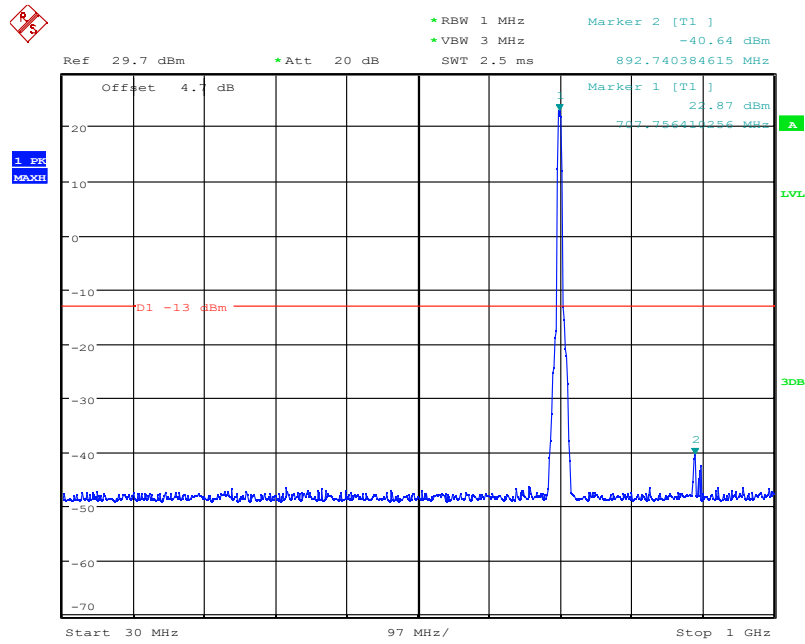


Date: 3.NOV.2021 12:12:41

3MHz bandwidth QPSK Mode Middle Channel, 707.5 MHz,1GHz to 10GHz

### Chongqing Academy of Information and Communication Technology

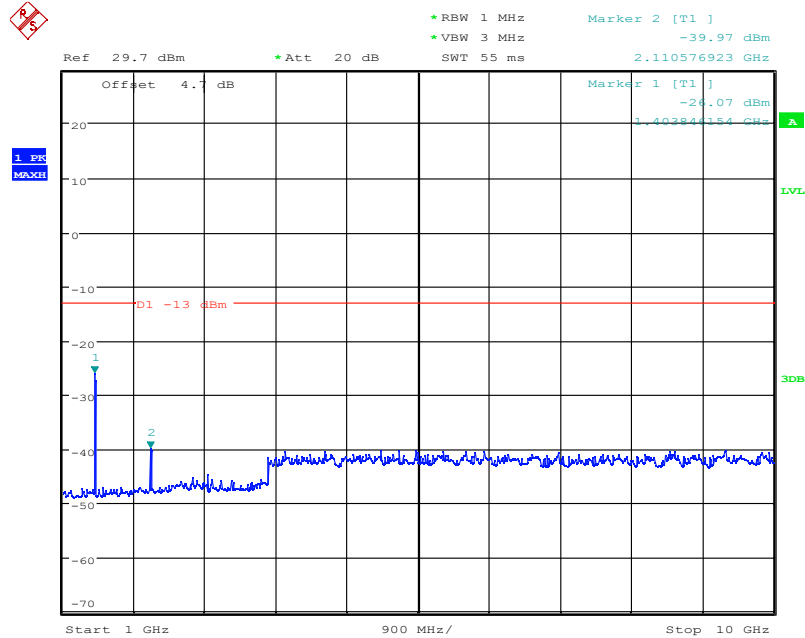
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 3.NOV.2021 12:14:05

5MHz bandwidth QPSK Mode Middle Channel, 707.5 MHz,30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.

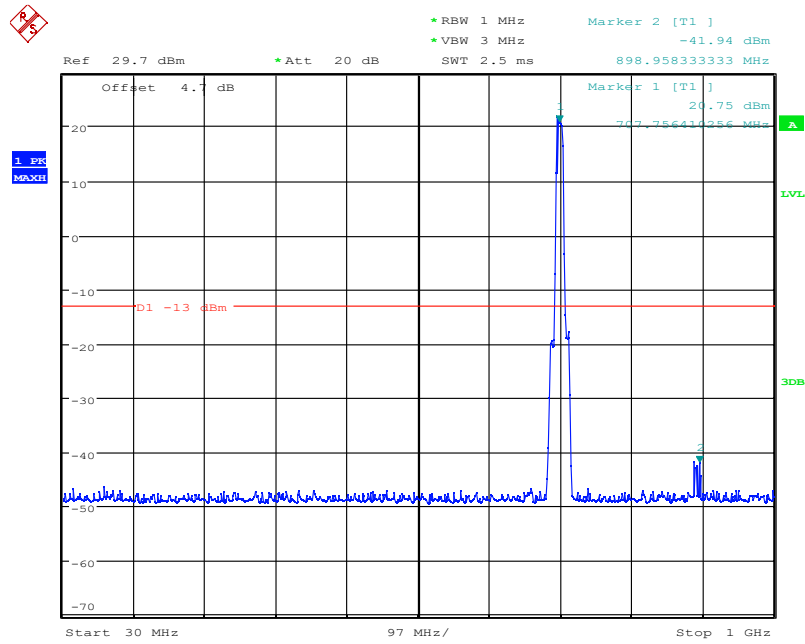


Date: 3.NOV.2021 12:13:36

5MHz bandwidth QPSK Mode Middle Channel, 707.5 MHz,1GHz to 10GHz

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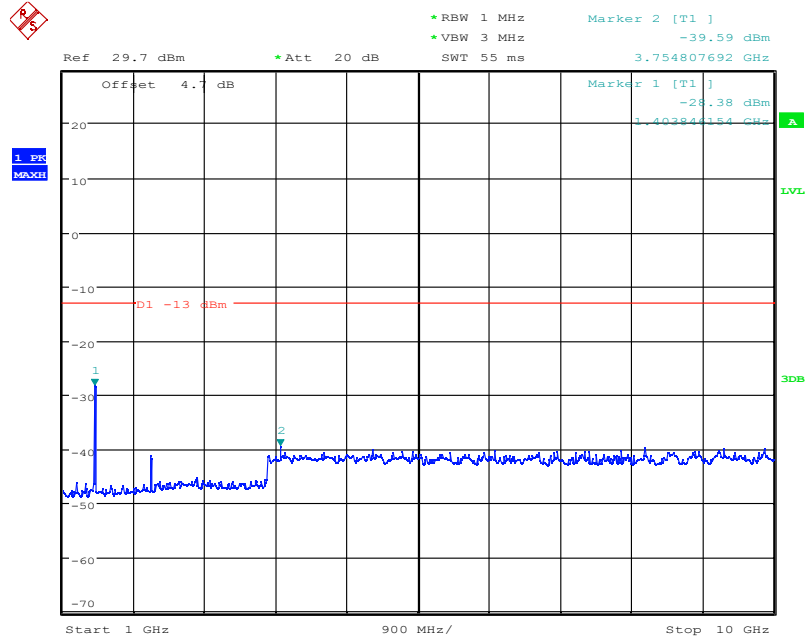
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
 Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 3.NOV.2021 12:14:23

10MHz bandwidth QPSK Mode Middle Channel, 707.5 MHz,30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.



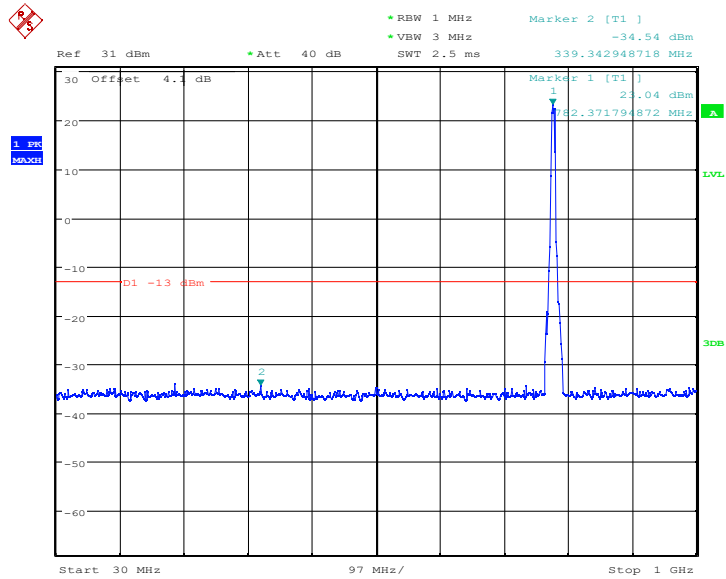
Date: 3.NOV.2021 12:14:45

10MHz bandwidth QPSK Mode Middle Channel, 707.5 MHz,1GHz to 10GHz

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Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
 Tel: 0086-23-88069965 FAX:0086-23-88608777

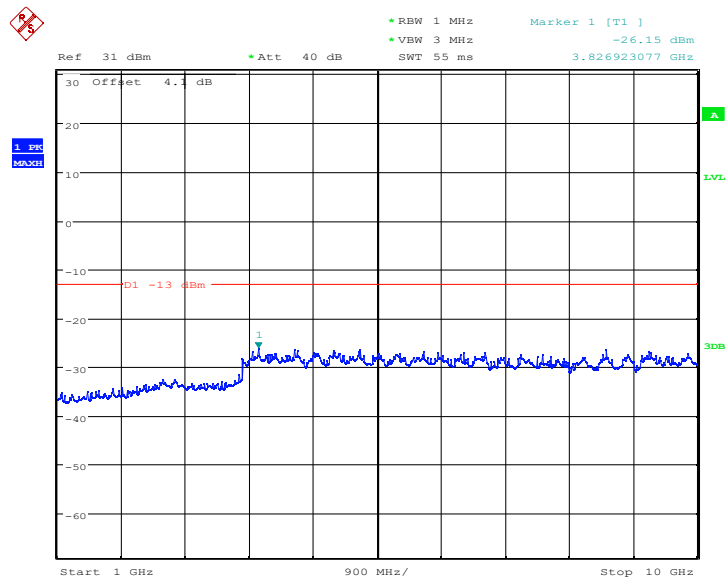
### 6.5.11 LTE B13 Conducted Spurious Emission Results



Date: 4.NOV.2021 13:14:18

5MHz bandwidth QPSK Mode Middle Channel, 782 MHz,30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.

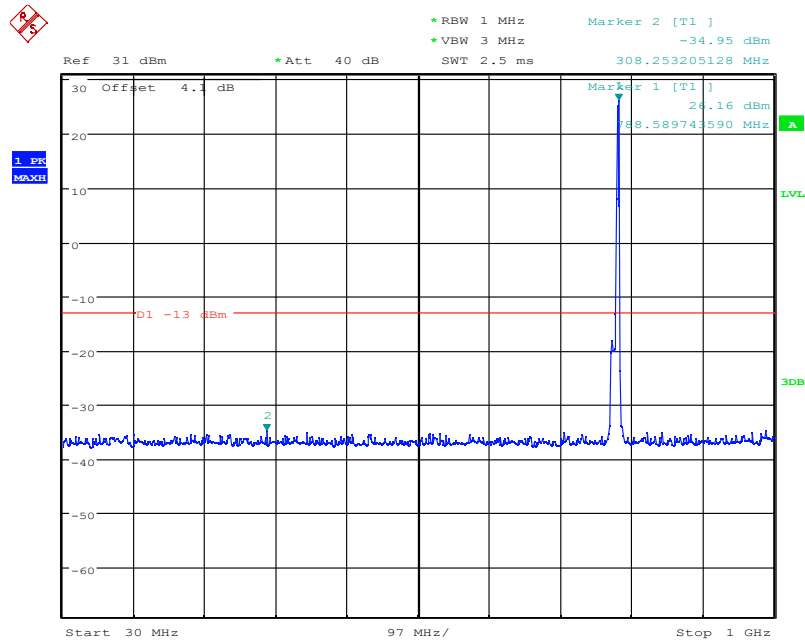


Date: 4.NOV.2021 13:14:31

5MHz bandwidth QPSK Mode Middle Channel, 782 MHz,1GHz to 10GHz

## Chongqing Academy of Information and Communication Technology

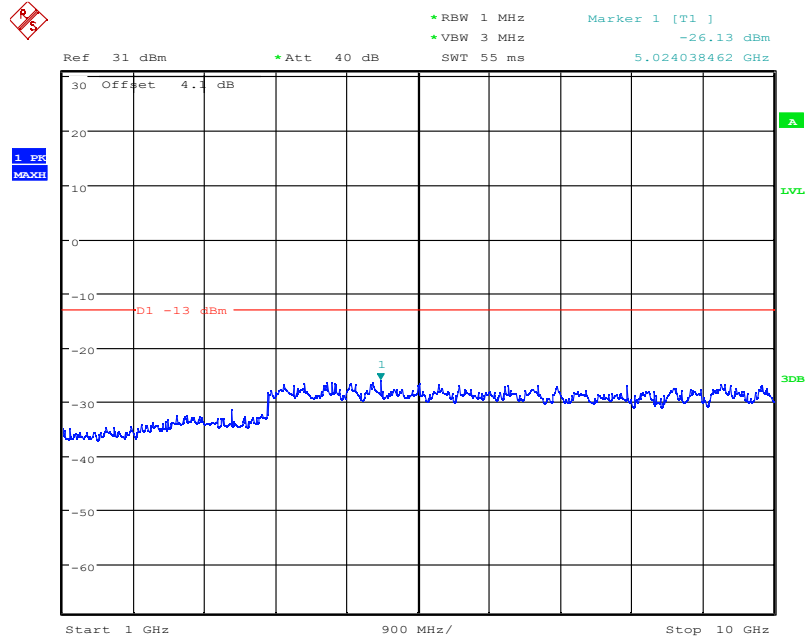
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965    FAX:0086-23-88608777



Date: 4.NOV.2021 13:15:16

10MHz bandwidth QPSK Mode Middle Channel, 782 MHz,30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.



Date: 4.NOV.2021 13:14:49

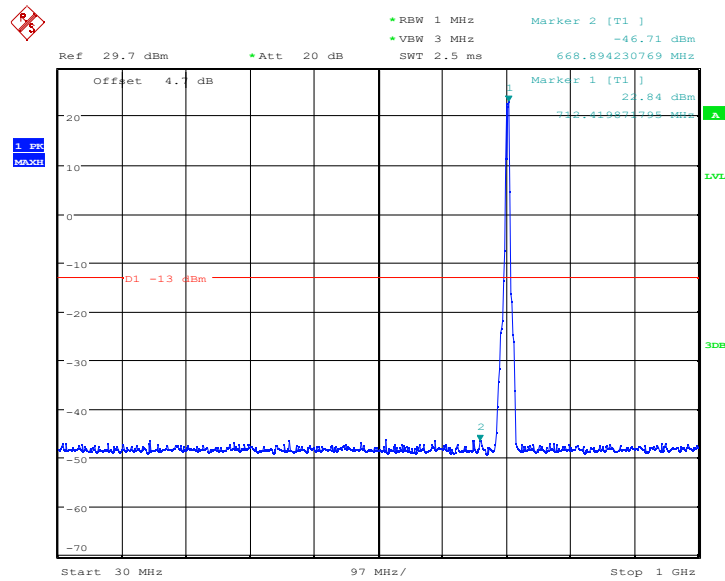
10MHz bandwidth QPSK Mode Middle Channel, 782 MHz,1GHz to 10GHz

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Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



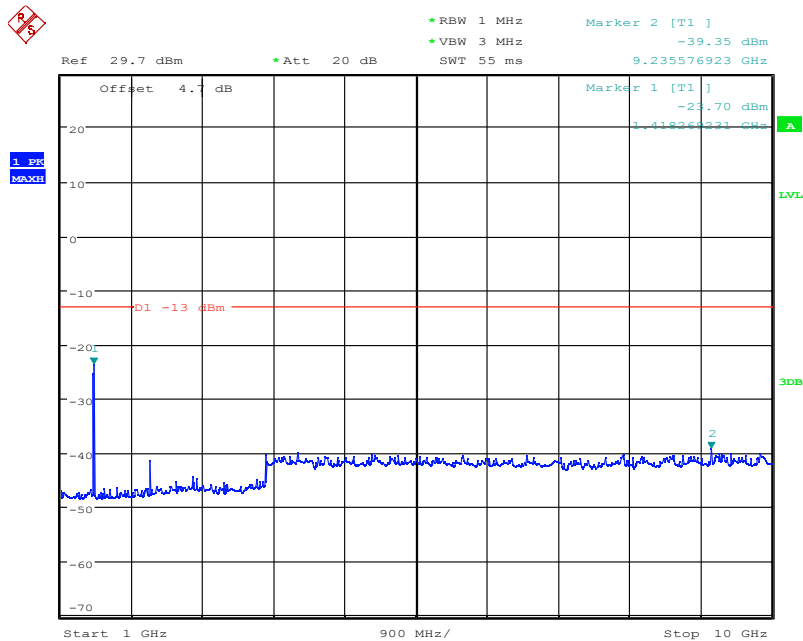
### 6.5.12 LTE B17 Conducted Spurious Emission Results



Date: 3.NOV.2021 12:09:25

5MHz bandwidth QPSK Mode Middle Channel, 710 MHz,30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.

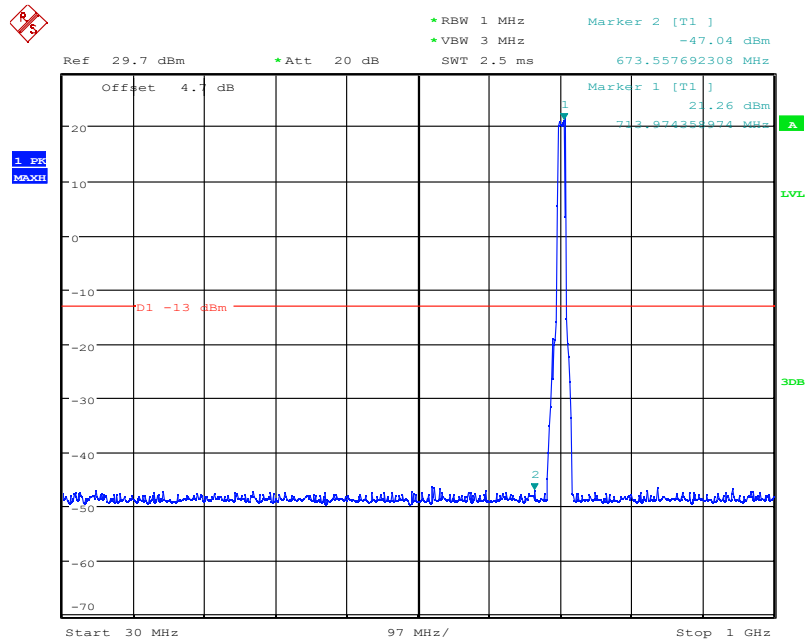


Date: 3.NOV.2021 12:08:50

5MHz bandwidth QPSK Mode Middle Channel, 710 MHz,1GHz to 10GHz

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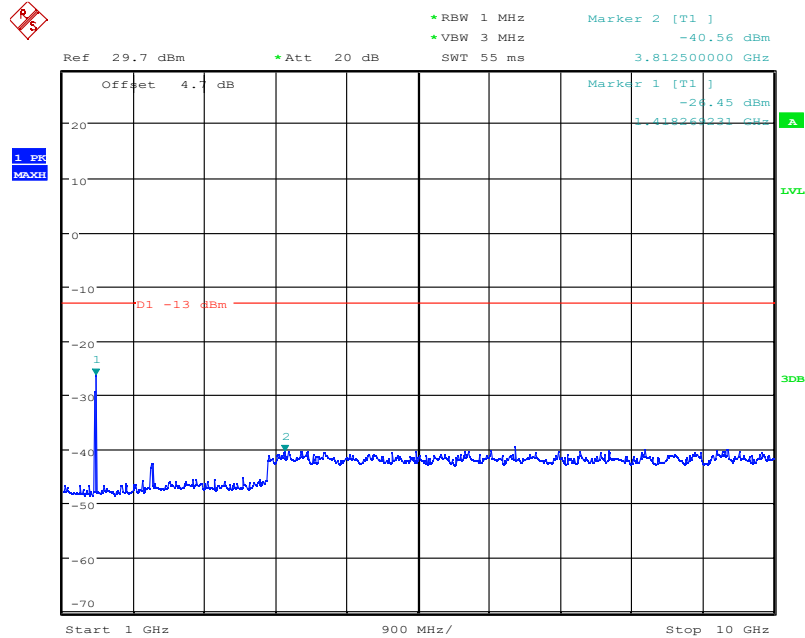
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 3.NOV.2021 12:09:42

10MHz bandwidth QPSK Mode Middle Channel, 710 MHz,30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.



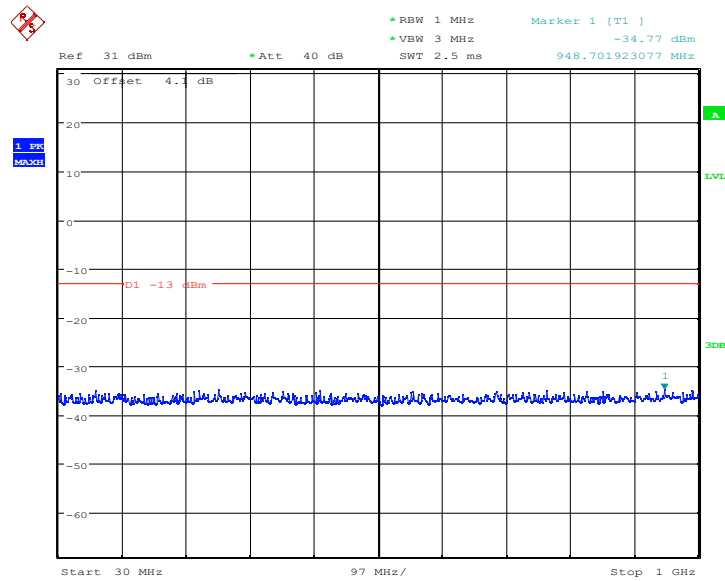
Date: 3.NOV.2021 12:10:09

10MHz bandwidth QPSK Mode Middle Channel, 710 MHz,1GHz to 10GHz

### Chongqing Academy of Information and Communication Technology

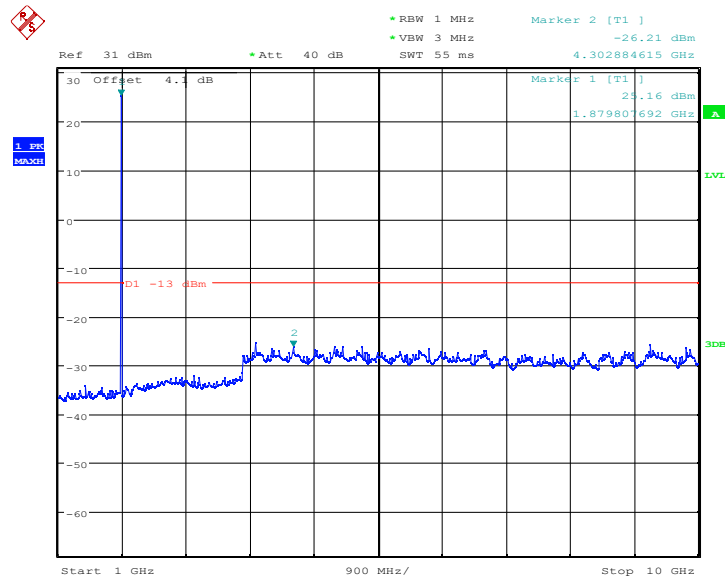
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

### 6.5.13 LTE B25 Conducted Spurious Emission Results



Date: 4.NOV.2021 14:23:58

1.4MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz,30MHz to 1GHz



Date: 4.NOV.2021 14:24:13

1.4MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz,1GHz to 10GHz

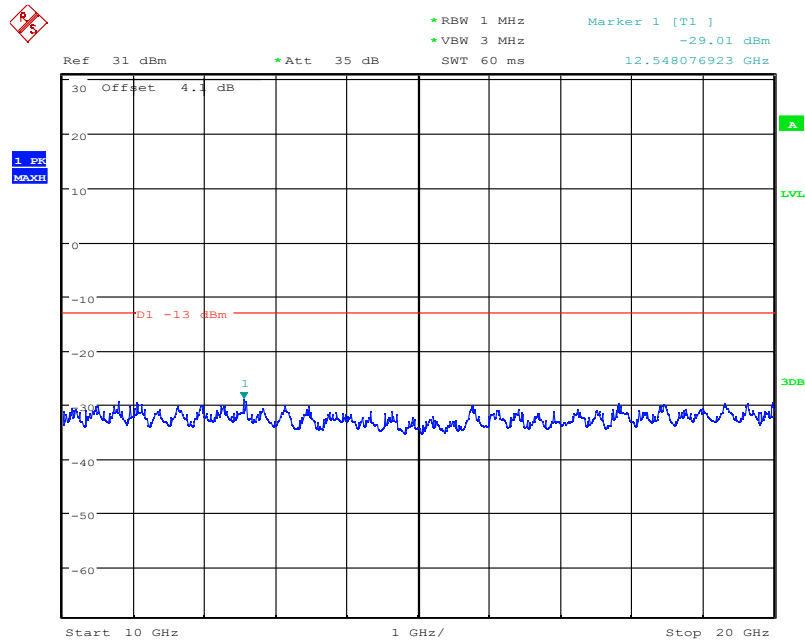
Note: The strong emission shown in each case is the carrier signal.

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 Tel: 0086-23-88069965    FAX:0086-23-88608777

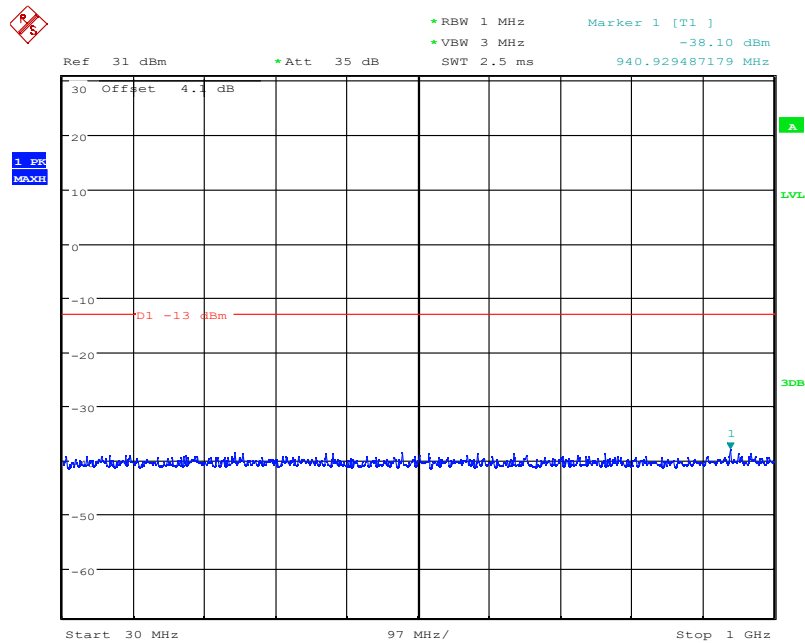


# Report No.: I21W00039-WWAN\_Rev3



Date: 4.NOV.2021 14:24:30

1.4MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz,10GHz to 20GHz

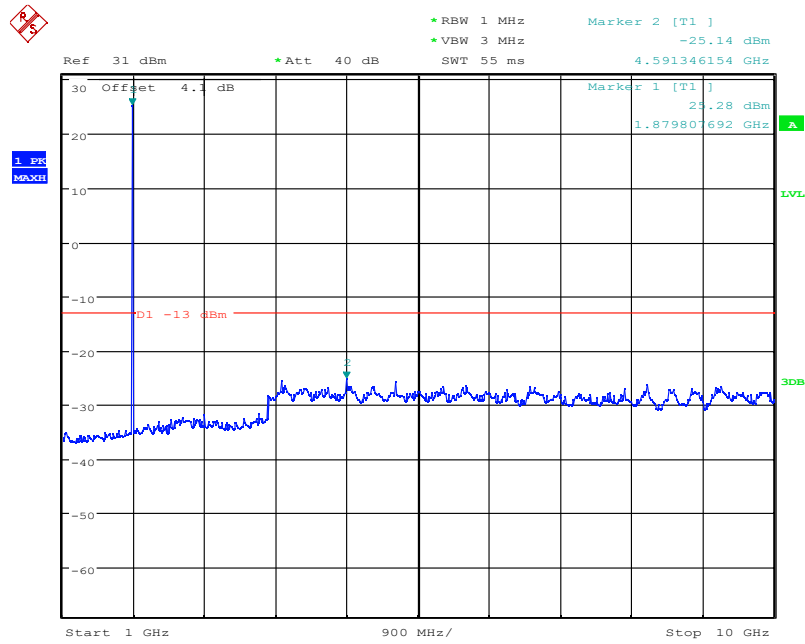


Date: 4.NOV.2021 14:25:24

3MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz,30MHz to 1GHz

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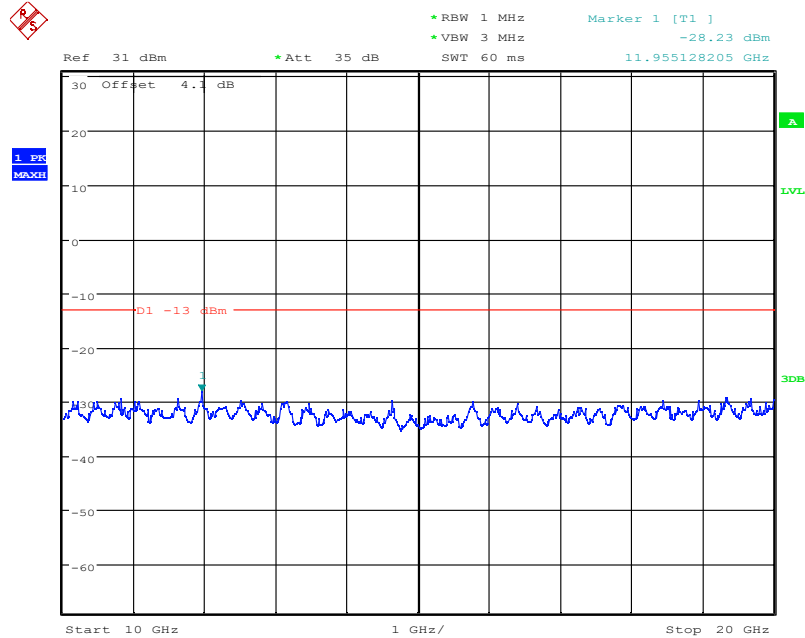
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965      FAX:0086-23-88608777



Date: 4.NOV.2021 14:25:49

3MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz, 1GHz to 10GHz

Note: The strong emission shown in each case is the carrier signal.



Date: 4.NOV.2021 14:25:06

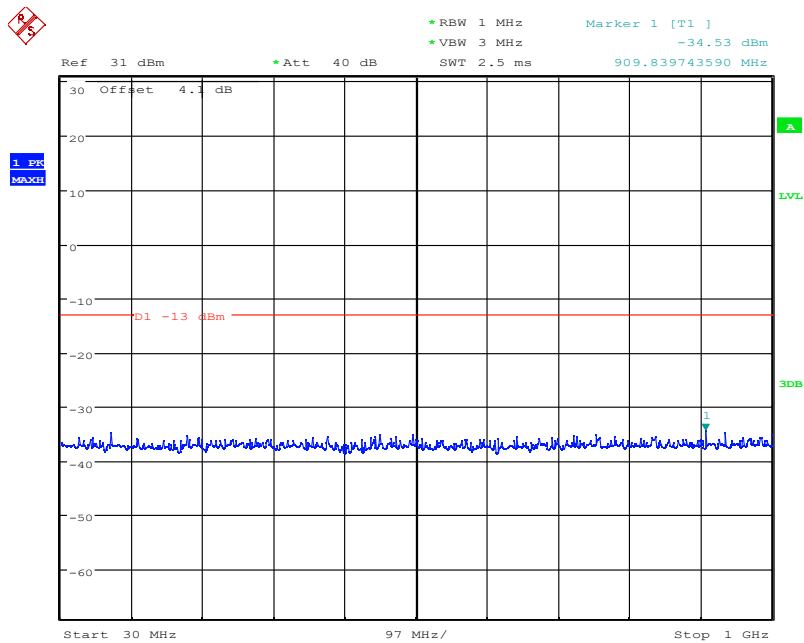
3MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz, 10GHz to 20GHz

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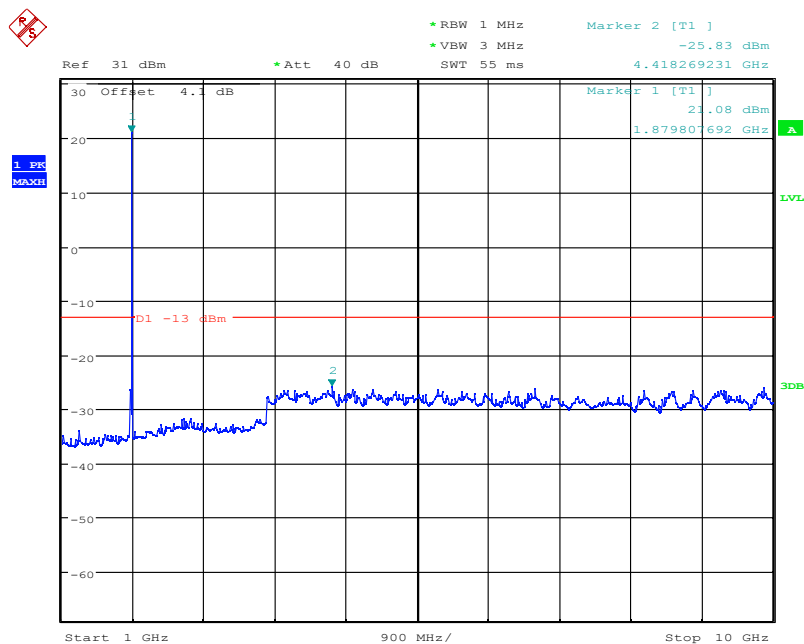


Report No.: I21W00039-WWAN\_Rev3



Date: 4.NOV.2021 14:26:31

5MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz,30MHz to 1GHz



Date: 4.NOV.2021 14:26:18

5MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz,1GHz to 10GHz

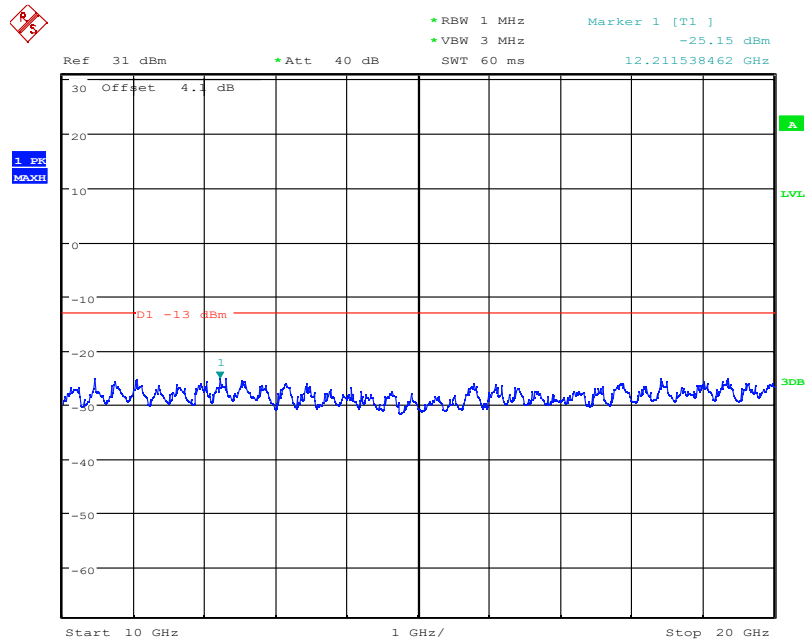
Note: The strong emission shown in each case is the carrier signal.

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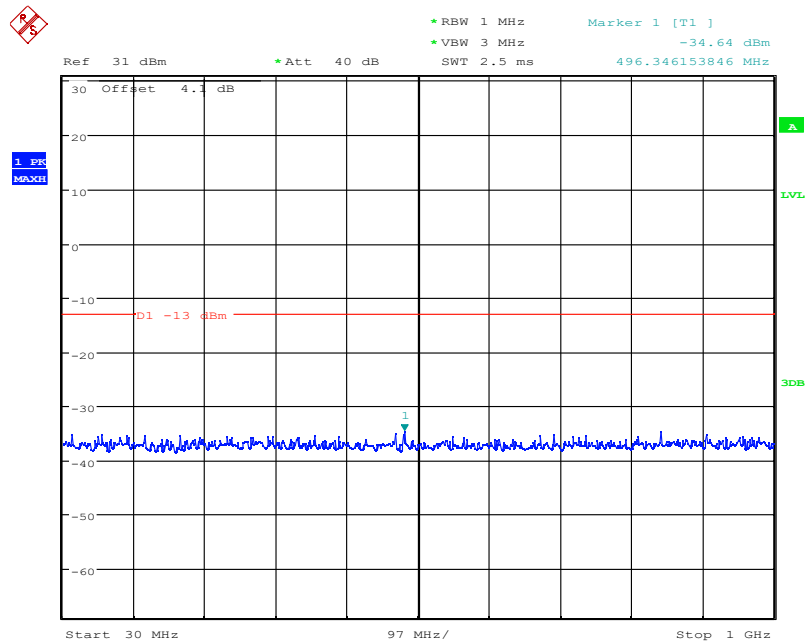


Report No.: I21W00039-WWAN\_Rev3



Date: 4.NOV.2021 14:26:46

5MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz,10GHz to 20GHz

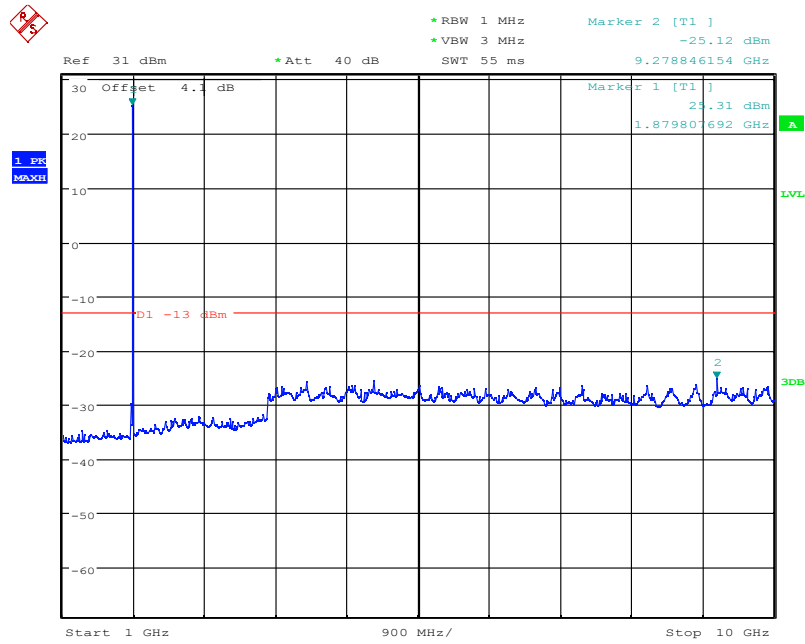


Date: 4.NOV.2021 14:27:15

10MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz,30MHz to 1GHz

### Chongqing Academy of Information and Communication Technology

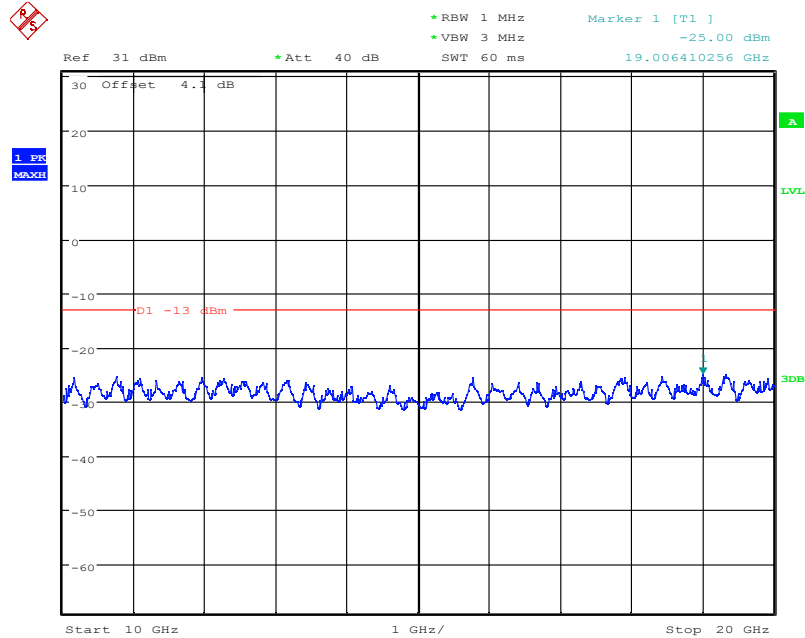
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
 Tel: 0086-23-88069965      FAX:0086-23-88608777



Date: 4.NOV.2021 14:27:35

10MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz, 1GHz to 10GHz

Note: The strong emission shown in each case is the carrier signal.



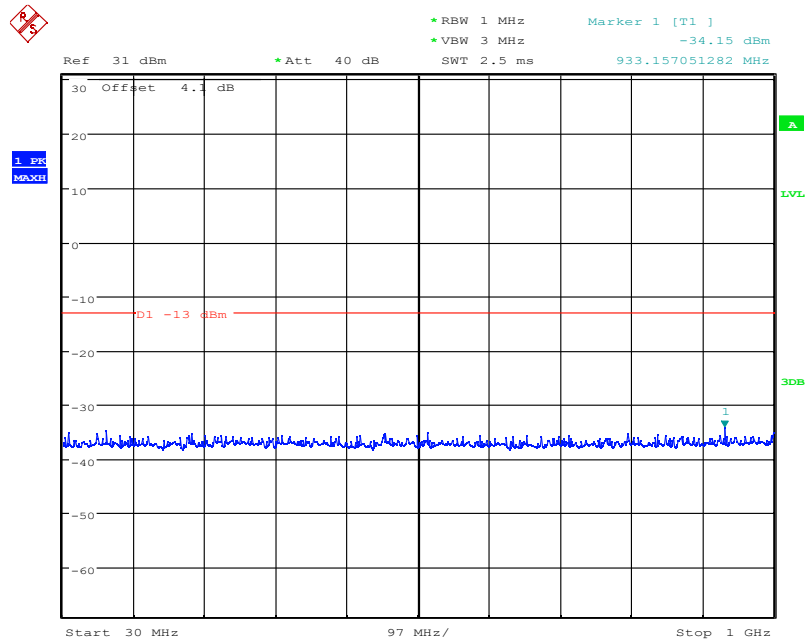
Date: 4.NOV.2021 14:27:03

10MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz, 10GHz to 20GHz

### Chongqing Academy of Information and Communication Technology

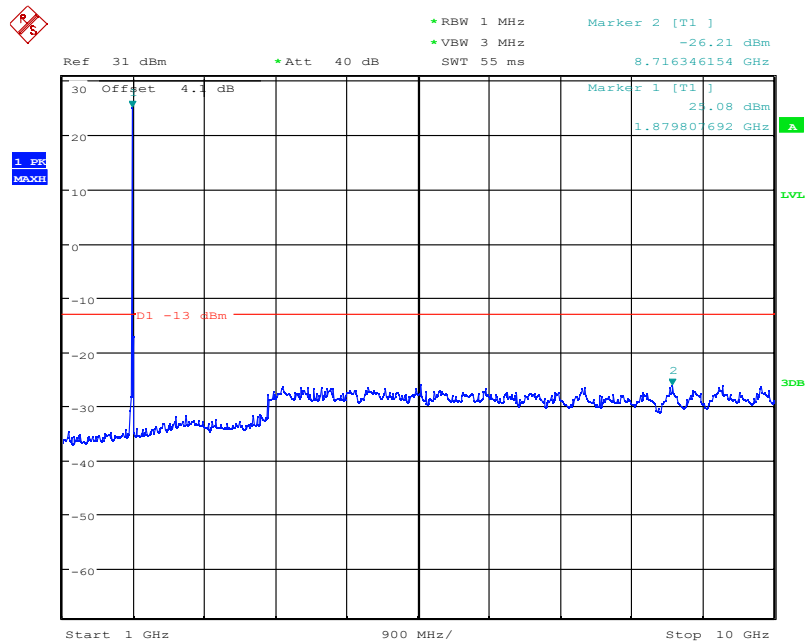
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336  
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Date: 4.NOV.2021 14:28:09

15MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz,30MHz to 1GHz



Date: 4.NOV.2021 14:27:57

15MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz,1GHz to 10GHz

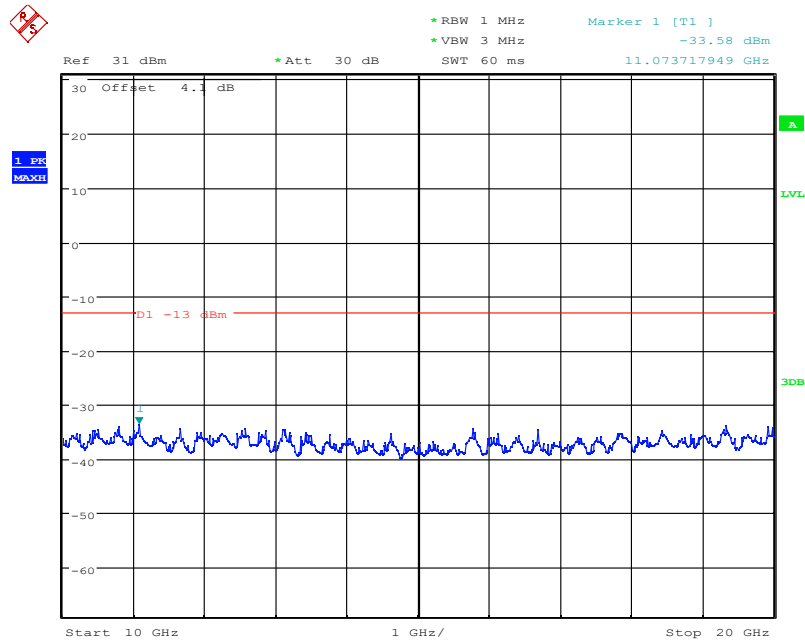
Note: The strong emission shown in each case is the carrier signal.

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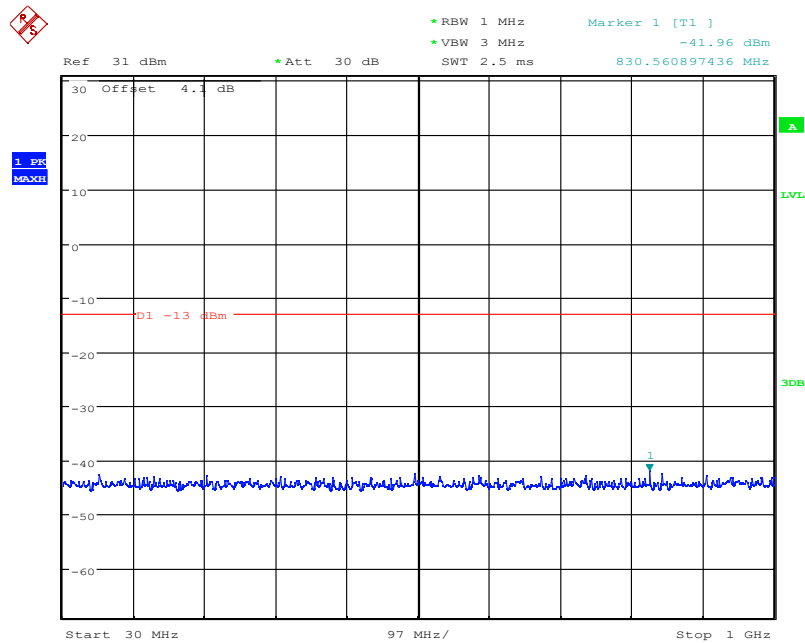


Report No.: I21W00039-WWAN\_Rev3



Date: 4.NOV.2021 14:28:24

15MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz, 10GHz to 20GHz

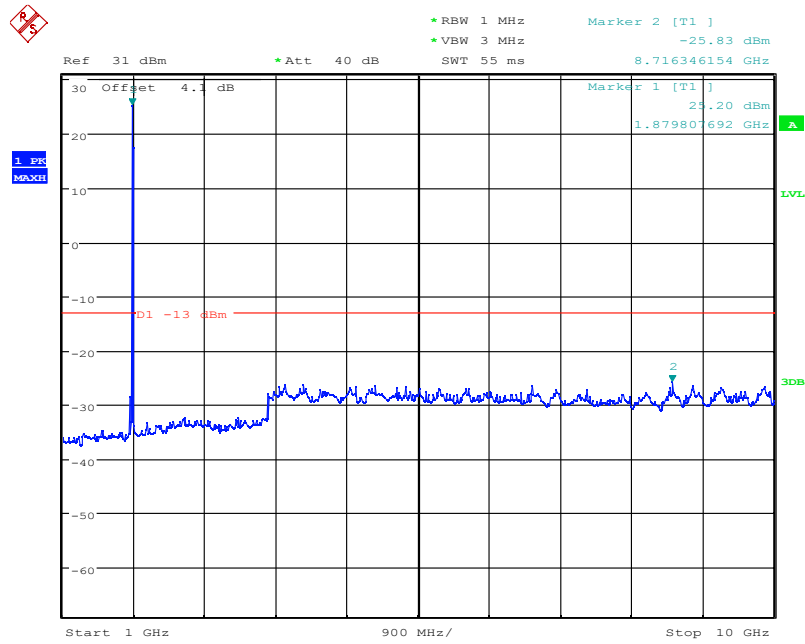


Date: 4.NOV.2021 14:28:50

20MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz, 30MHz to 1GHz

### Chongqing Academy of Information and Communication Technology

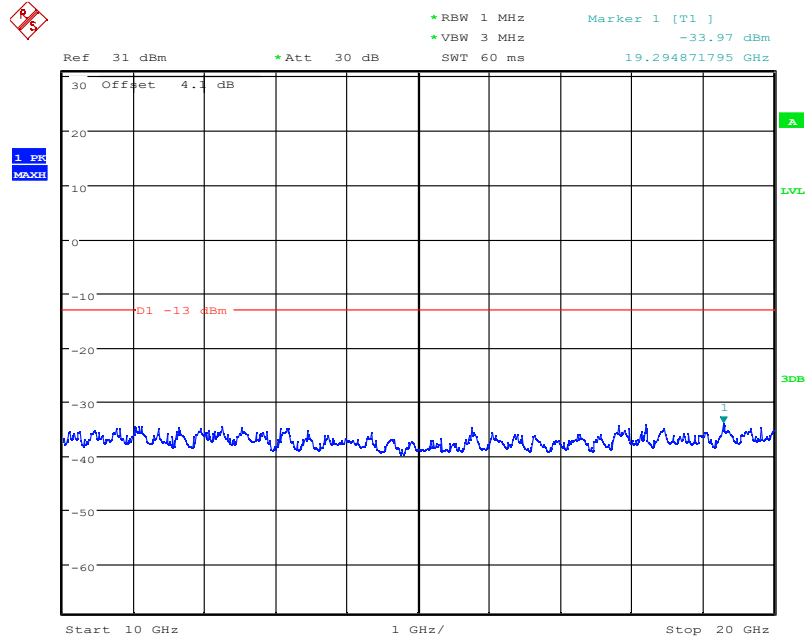
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 Tel: 0086-23-88069965    FAX: 0086-23-88608777



Date: 4.NOV.2021 14:29:10

20MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz, 1GHz to 10GHz

Note: The strong emission shown in each case is the carrier signal.



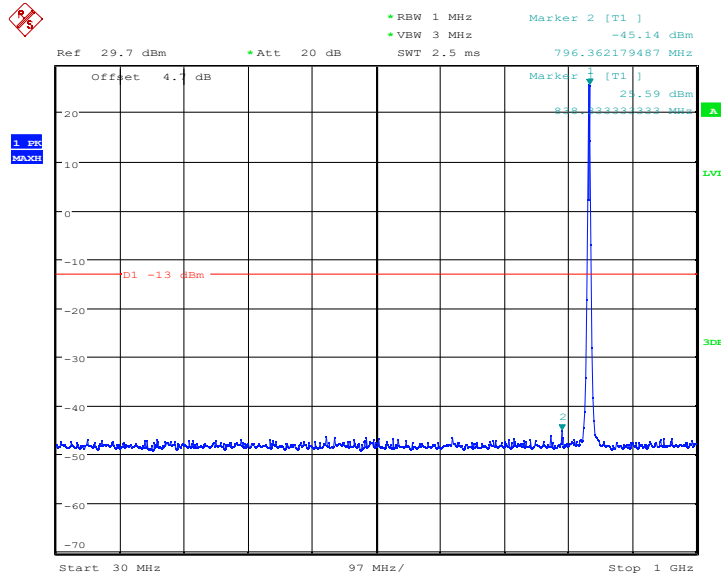
Date: 4.NOV.2021 14:28:36

20MHz bandwidth QPSK Mode Middle Channel, 1882.5 MHz, 10GHz to 20GHz

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Tel: 0086-23-88069965 FAX: 0086-23-88608777

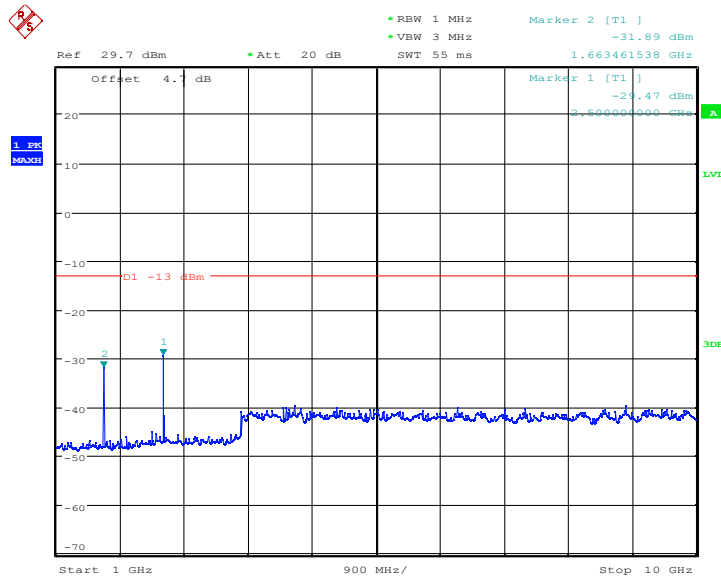
### 6.5.14 LTE B26 Conducted Spurious Emission Results (824MHz-849MHz)



Date: 3.NOV.2021 12:36:56

1.4MHz bandwidth QPSK Mode Middle Channel, 836.5 MHz,30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.

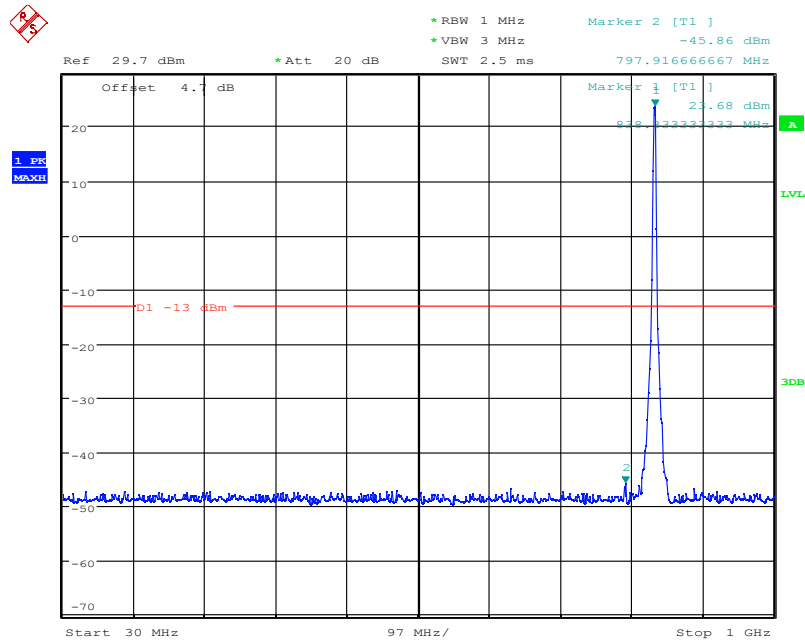


Date: 3.NOV.2021 12:37:11

1.4MHz bandwidth QPSK Mode Middle Channel, 836.5 MHz,1GHz to 10GHz

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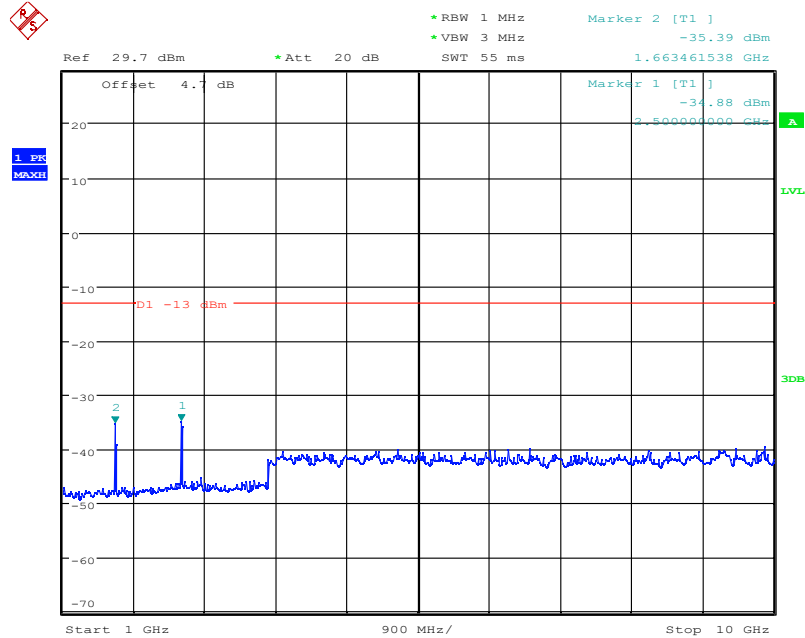
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 3.NOV.2021 12:38:21

3MHz bandwidth QPSK Mode Middle Channel, 836.5 MHz,30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.

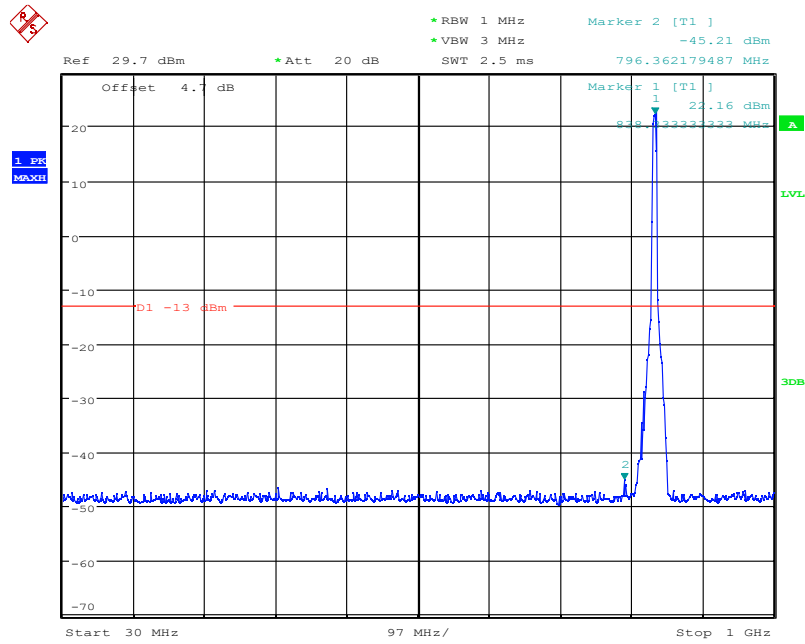


Date: 3.NOV.2021 12:38:04

3MHz bandwidth QPSK Mode Middle Channel, 836.5 MHz,1GHz to 10GHz

### Chongqing Academy of Information and Communication Technology

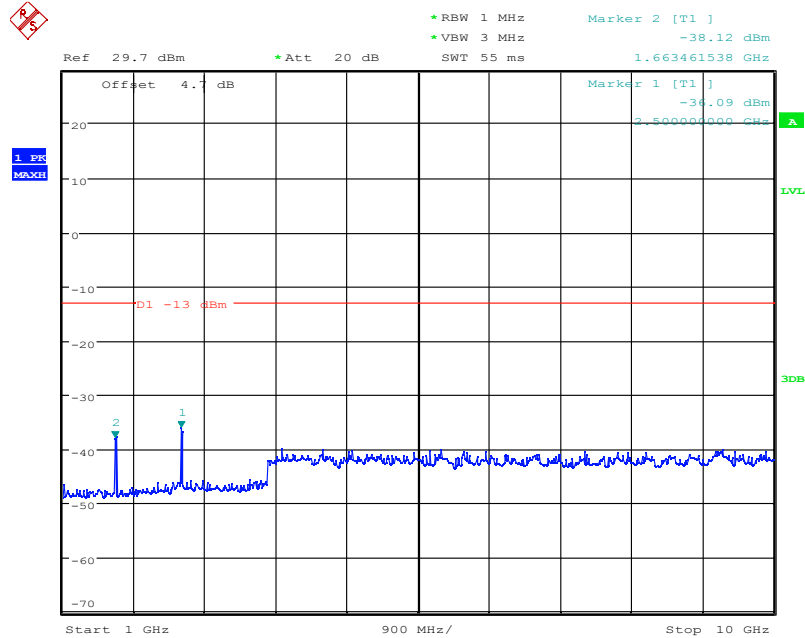
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
 Tel: 0086-23-88069965 FAX:0086-23-88608777



Date: 3.NOV.2021 12:38:43

5MHz bandwidth QPSK Mode Middle Channel, 836.5 MHz, 30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.

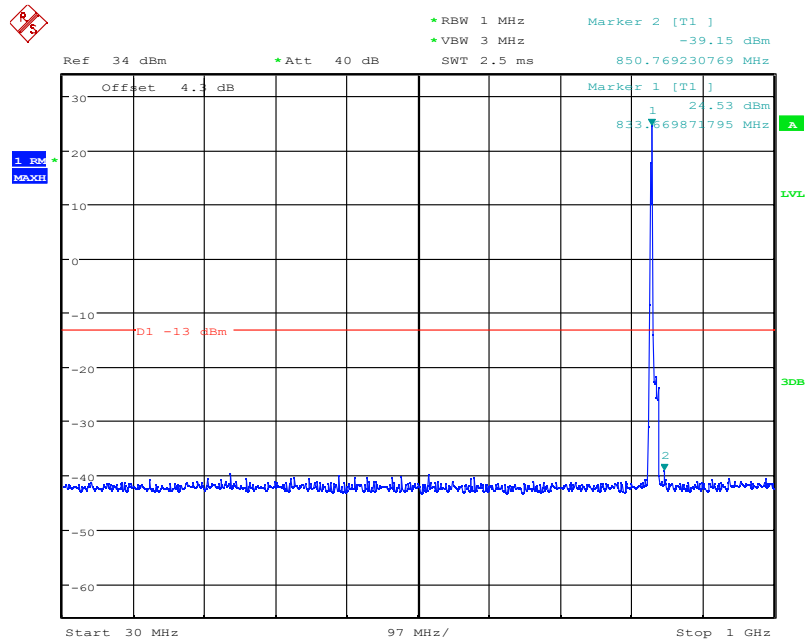


Date: 3.NOV.2021 12:38:55

5MHz bandwidth QPSK Mode Middle Channel, 836.5 MHz, 1GHz to 10GHz

### Chongqing Academy of Information and Communication Technology

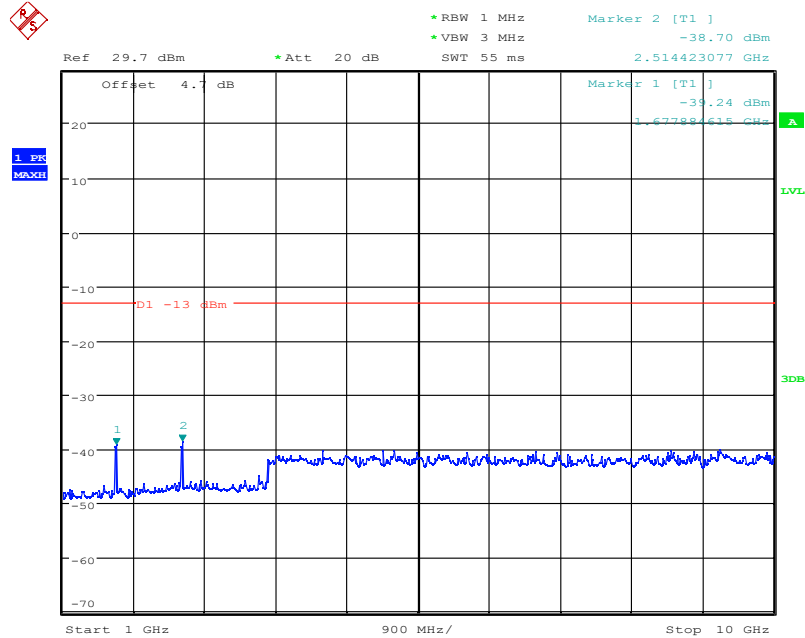
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336  
Tel: 0086-23-88069965 FAX: 0086-23-88608777



Date: 7.NOV.2021 23:11:28

10MHz bandwidth QPSK Mode Middle Channel, 836.5 MHz,30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.



Date: 3.NOV.2021 12:39:30

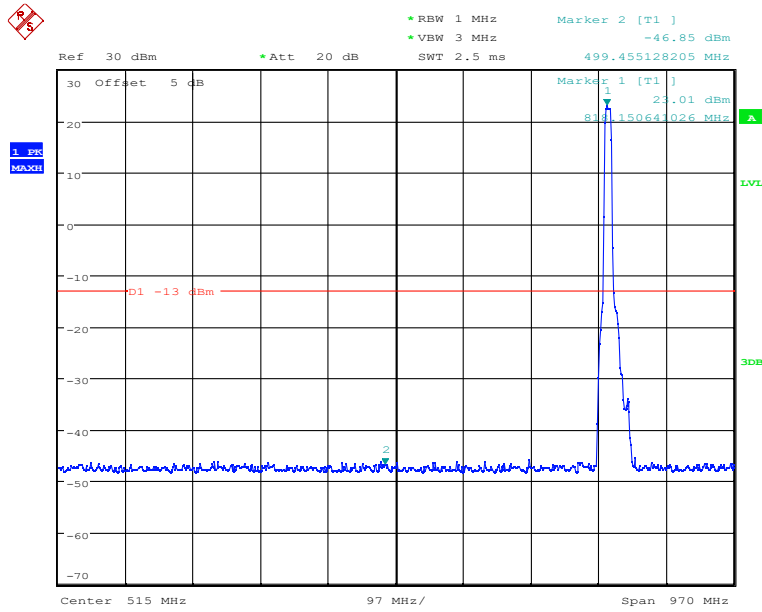
10MHz bandwidth QPSK Mode Middle Channel, 836.5 MHz,1GHz to 10GHz

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(814MHz-824MHz)

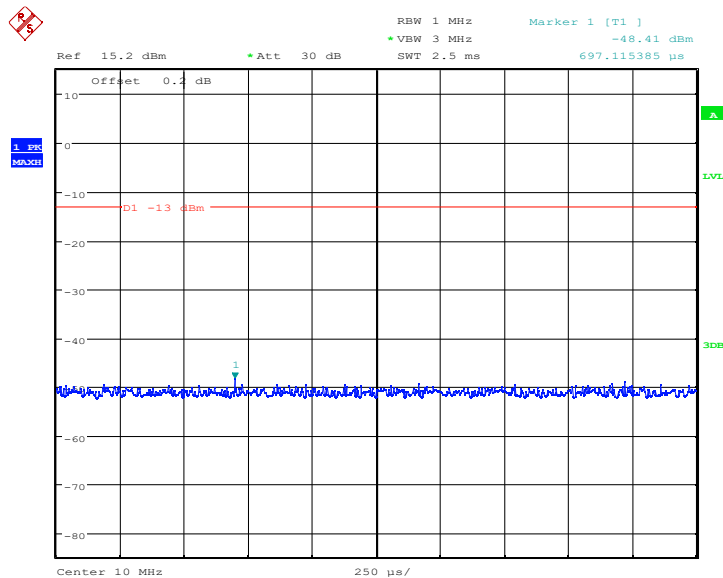
Note: It only reflects the worst data



Date: 17.JAN.2022 00:34:45

1.4MHz bandwidth QPSK Mode Middle Channel, 819 MHz, 30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.



Date: 16.JAN.2022 23:20:37

1.4MHz bandwidth QPSK Mode Middle Channel, 819 MHz, 1GHz to 10GHz

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## 6.6. Radiated Spurious Emission

<b>Specifications:</b>	FCC Part 2.1051, 2.1053, 24.238, 22.917, 27.53, 90.691
<b>DUT Serial Number:</b>	865171050693525
<b>Test conditions:</b>	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% Air pressure: 86-106kPa
<b>Test Results:</b>	Pass

### Limit Level Construction:

**According to Part 22.917 (a)**, i.e., Out of Band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

**According to Part 24.238 (a)**, i.e., Out of Band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB, so the limit level is:  $P(\text{dBm}) - (43 + 10 \log(P)) \text{ dB} = -13\text{dBm}$ .

### According to Part 27.53(c):

On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB;

### According to Part 27.53(h):

Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 Bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10}(P)$  dB.

### According to Part 27.53(g):

For operations in the 600 MHz Band and the 698-746 MHz Band, the power of any emission outside a licensee's frequency Band(s) of operation shall be attenuated below the transmitter power (P) within the licensed Band(s) of operation, measured in watts, by at least  $43 + 10 \log(P)$  dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution Bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz Bands immediately outside and adjacent to a licensee's frequency block, a resolution Bandwidth of at least 30 kHz may be employed.

### According to Part 90.691:

(a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $116 \log_{10}(f/6.1)$  decibels or  $50 + 10 \log_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

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(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10\text{Log}_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

(b) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

<b>Limits for Radiated spurious emissions(UE)</b>	
<b>Frequency range</b>	<b>Limit Level /Resolution Bandwidth</b>
30 MHz to 20000 MHz	-13dBm/1MHz

**Measurement Uncertainty:**

<b>Item</b>	<b>Uncertainty</b>
Expanded Uncertainty (30MHz-150MHz)	5.15 dB (k=2)
Expanded Uncertainty (150MHz-1GHz)	4.09dB (k=2)
Expanded Uncertainty (1GHz-3GHz)	2.92dB (k=2)
Expanded Uncertainty (3GHz-6GHz)	2.93dB (k=2)
Expanded Uncertainty (3GHz-12.75GHz)	2.69dB (k=2)

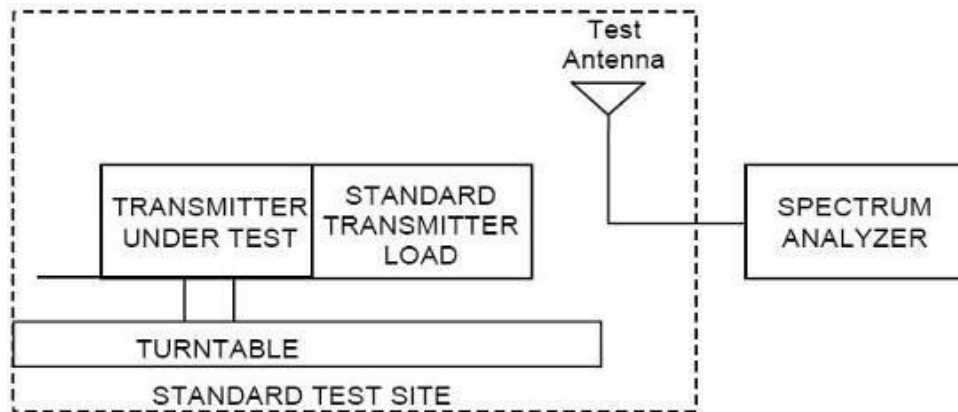
**Test Setup:**

The EUT was placed in an anechoic chamber. The Wireless Communications Test Set was used to set the TX channel and power level and modulate the TX signal with different bit patterns.

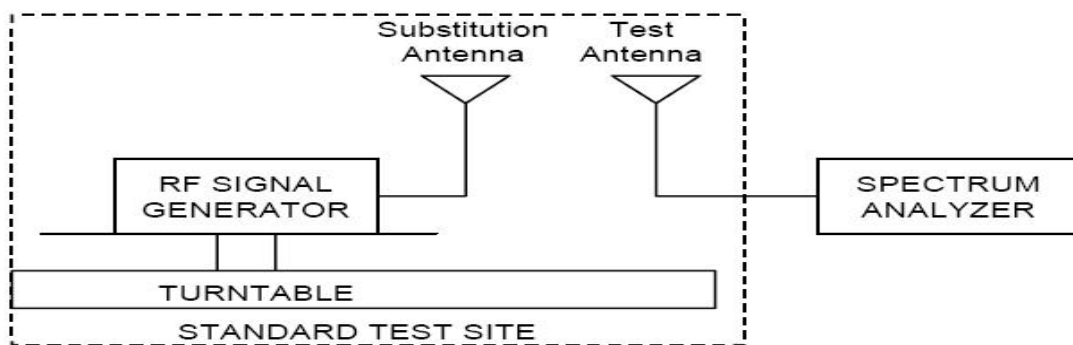
**Test Method:**

The measurement method is substitution method accordance with section 2.2.12 of ANSI/TIA-603-E: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.

(a) Connect the equipment as illustrated and measure the spurious emissions as the method as above. The distance from the device to the antenna is 3 m .



(b) Reconnect the equipment as illustrated.



(c) Remove the transmitter and replace it with a substitution antenna. The center of the substitution antenna should be approximately at the same location as the center of the transmitter.

(d) Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a non-radiating cable. With the antennas at both ends horizontally polarized, and with the signal generator tuned to a particular spurious frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. This should be done carefully repeating the adjustment of the test antenna and generator output.

(e) Repeat step d) with both antennas vertically polarized for each spurious frequency.

(f) Calculate power in dBm into a reference ideal half-wave dipole antenna by reducing the readings obtained in steps d) and e) by the power loss in the cable between the generator and the antenna, and further corrected for the gain of the substitution antenna used relative to an ideal half-wave dipole antenna by the following formula:

$$P_d(\text{dBm}) = P_g(\text{dBm}) - \text{cable loss (dB)} + \text{antenna gain (dB)}$$

where:

$P_d$  is the dipole equivalent power and  $P_g$  is the generator output power into the substitution antenna.

**Note:** The evaluation of radiated spurious emission under the simultaneous transmission of WWAN & WLAN.

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### 6.6.1 GSM850 GMSK Radiated Spurious Emission Results

Test Data (GMSK Mode channel 128)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1648.4	-58.8	4.8	7.3	-56.3	H
2472.6	-50.8	6.0	6.8	-50.0	V
3296.8	-47.1	6.7	8.9	-44.9	V
4121.0	-50.6	7.6	9.2	-49.0	V
4945.2	-50.2	7.7	9.9	-48.0	V
5769.4	-57.1	1.5	10.5	-48.1	V

Test Data (8PSK Mode channel 128)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1648.4	-57.2	4.8	7.3	-54.7	V
2472.6	-37.5	6.0	6.8	-36.7	V
3296.8	-45.1	6.7	8.9	-42.9	V
4121.0	-51.3	7.6	9.2	-49.7	V
4945.2	-49.9	7.7	9.9	-47.7	V
5769.4	-57.3	1.5	10.5	-48.3	V

Test Data (GMSK Mode channel 190)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1672.8	-53.9	4.7	7.3	-51.3	V
2509.2	-50.9	5.9	6.7	-50.1	V
3345.6	-45.1	6.8	8.9	-43.0	V

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4182.0	-51.4	7.8	9.2	-50.0	V
5018.4	-51.1	7.5	9.9	-48.7	V
5854.8	-56.8	1.1	10.5	-47.4	V

**Test Data (8PSK Mode channel 190)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1672.8	-56.9	4.7	7.3	-54.3	H
2509.2	-40.4	5.9	6.7	-39.6	V
3345.6	-46.5	6.8	8.9	-44.4	V
4182.0	-51.6	7.8	9.2	-50.2	V
5018.4	-50.6	7.5	9.9	-48.2	V
5854.8	-57.6	1.1	10.5	-48.2	V

**Test Data (GMSK Mode channel 251)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1697.6	-58.4	4.8	8.0	-55.2	H
2546.4	-49.9	5.9	6.9	-48.9	V
3395.2	-49.8	6.9	8.9	-47.8	V
4244.0	-50.6	7.8	9.2	-49.2	V
5092.8	-50.8	6.8	9.9	-47.7	V
5941.6	-57.5	1.4	10.9	-48.0	V

**Test Data (8PSK Mode channel 251)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1697.6	-54.8	4.8	8.0	-51.6	H
2546.4	-39.2	5.9	6.9	-38.2	H

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3395.2	-50.3	6.9	8.9	-48.3	V
4244.0	-49.7	7.8	9.2	-48.3	V
5092.8	-51.6	6.8	9.9	-48.5	V
5941.6	-57.3	1.4	10.9	-47.8	V

### 6.6.2 PCS1900 GMSK Radiated Spurious Emission Results

#### Test Data (GMSK Mode channel 512)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3700.4	-43.5	7.2	8.9	-41.8	V
5550.6	-59.7	2.0	10.5	-51.2	V
7400.8	-58.4	0.9	11.9	-47.4	V
9251.0	-56.7	1.0	11.5	-46.2	V
11101.2	-55.0	0.3	12.1	-43.2	V
12951.4	-52.5	0.4	12.4	-40.5	V

#### Test Data (8PSK Mode channel 512)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3700.4	-54.6	7.2	8.9	-52.9	V
5550.6	-60.7	2.0	10.5	-52.2	V
7400.8	-58.2	0.9	11.9	-47.2	V
9251.0	-53.9	1.0	11.5	-43.4	V
11101.2	-55.0	0.3	12.1	-43.2	V
12951.4	-52.7	0.4	12.4	-40.7	V

#### Test Data (GMSK Mode channel 661)

Frequency [MHz]	Generator output	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission	Antenna Polarization
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	power(Pg) [dBm]			Power (Pd) [dBm]	[H/V]
3760.0	-47.2	7.3	8.9	-45.6	V
5640.0	-58.5	1.8	10.5	-49.8	V
7520.0	-57.1	0.9	11.9	-46.1	V
9400.0	-54.6	0.8	11.8	-43.6	V
11280.0	-54.7	0.3	12.1	-42.9	V
13160.0	-53.6	0.4	12.4	-41.6	V

**Test Data (8PSK Mode channel 661)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3760.0	-53.4	7.3	8.9	-51.8	V
5640.0	-59.3	1.8	10.5	-50.6	V
7520.0	-56.9	0.9	11.9	-45.9	V
9400.0	-55.7	0.8	11.8	-44.7	V
11280.0	-53.5	0.3	12.1	-41.7	V
13160.0	-53.1	0.4	12.4	-41.1	V

**Test Data (GMSK Mode channel 810)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3819.6	-55.3	7.4	9.2	-53.5	V
5729.4	-59.2	1.5	10.5	-50.2	V
7639.2	-58.0	1.1	11.9	-47.2	V
9549.0	-55.5	0.9	11.8	-44.6	V
11458.8	-54.5	0.8	12.2	-43.1	V
13368.6	-53.1	0.4	12.4	-41.1	V

**Test Data (8PSK Mode channel 810)**

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Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3819.6	-53.6	7.4	9.2	-51.8	V
5729.4	-60.1	1.5	10.5	-51.1	V
7639.2	-58.2	1.1	11.9	-47.4	V
9549.0	-55.6	0.9	11.8	-44.7	V
11458.8	-53.0	0.8	12.2	-41.6	V
13368.6	-53.1	0.4	12.4	-41.1	V

### 6.6.3 WCDMA B2 Radiated Spurious Emission Results

#### Test Data (QPSK Mode channel 9262)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3704.8	-58.4	7.2	8.9	-56.7	V
5557.2	-61.9	2.0	10.5	-53.4	V
7409.6	-63.0	0.9	11.9	-52.0	V
9262.0	-59.0	1.0	11.5	-48.5	V
11114.4	-58.6	0.4	12.1	-46.9	V
12966.8	-56.6	0.4	12.4	-44.6	V

#### Test Data (16QAM Mode channel 9262)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3704.8	-57.8	7.2	8.9	-56.1	V
5557.2	-62.2	2.0	10.5	-53.7	V
7409.6	-63.0	0.9	11.9	-52.0	V

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9262.0	-58.7	1.0	11.5	-48.2	V
11114.4	-58.4	0.4	12.1	-46.7	V
12966.8	-56.2	0.4	12.4	-44.2	V

**Test Data (QPSK Mode channel 9400)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3760.0	-66.6	7.4	8.9	-65.1	V
5640.0	-72.7	1.8	10.5	-64.0	V
7520.0	-72.3	0.9	11.9	-61.3	V
9400.0	-69.1	0.8	11.8	-58.1	V
11280.0	-70.4	0.3	12.1	-58.6	V
13160.0	-70.3	0.4	12.4	-58.3	V

**Test Data (16QAM Mode channel 9400)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3760.0	-66.0	7.4	8.9	-64.5	V
5640.0	-71.5	1.8	10.5	-62.8	V
7520.0	-71.8	0.9	11.9	-60.8	V
9400.0	-70.1	0.8	11.8	-59.1	V
11280.0	-70.4	0.3	12.1	-58.6	V
13160.0	-70.5	0.4	12.4	-58.5	V

**Test Data (QPSK Mode channel 9538)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3815.2	-66.5	7.4	9.2	-64.7	V
5722.8	-72.1	1.5	10.5	-63.1	V

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7630.4	-72.8	0.8	11.9	-61.7	V
9538.0	-70.4	0.9	11.8	-59.5	V
11445.6	-70.8	0.8	12.2	-59.4	V
13353.2	-70.2	0.4	12.4	-58.2	V

**Test Data (16QAM Mode channel 9538)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3815.2	-66.5	7.4	9.2	-64.7	V
5722.8	-71.9	1.5	10.5	-62.9	V
7630.4	-72.8	0.8	11.9	-61.7	V
9538.0	-70.6	0.9	11.8	-59.7	V
11445.6	-71.0	0.8	12.2	-59.6	V
13353.2	-70.6	0.4	12.4	-58.6	V

### 6.6.4 WCDMA B4 Radiated Spurious Emission Results

**Test Data (QPSK Mode channel 1312)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3425.1	-61.4	4.4	10.3	-55.5	V
5137.2	-60.2	5.4	12.0	-53.6	V
6849.3	-56.1	6.4	11.9	-50.6	V
8563.3	-54.9	7.2	13.0	-49.1	V
10275.4	-53.2	7.8	12.4	-48.6	V
11987.5	-52.4	7.5	14.2	-45.7	V

**Test Data (16QAM Mode channel 1312)**

Frequency	Generator	Cable loss	Antenna	Spurious	Antenna
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[MHz]	output power(Pg) [dBm]	[dB]	Gain [dB]	Emission Power (Pd) [dBm]	Polarization [H/V]
3425.1	-62.2	4.4	10.3	-56.3	V
5137.2	-59.9	5.4	12.0	-53.3	V
6849.3	-57.3	6.4	11.9	-51.8	V
8563.3	-55.8	7.2	13.0	-50.0	V
10275.4	-53.8	7.8	12.4	-49.2	V
11987.5	-52.3	7.5	14.2	-45.6	V

**Test Data (QPSK Mode channel 1412)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3464.1	-61.8	4.4	10.3	-55.9	V
5197.6	-59.8	5.4	11.3	-53.9	V
6929.2	-57.4	6.4	12.0	-51.8	V
8662.8	-54.6	7.0	12.3	-49.3	V
10394.4	-54.0	7.8	12.3	-49.5	V
12126.0	-50.7	7.5	13.1	-45.1	V

**Test Data (16QAM Mode channel 1412)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3464.1	-61.8	4.4	10.3	-55.9	V
5197.6	-58.6	5.4	11.3	-52.7	V
6929.2	-56.2	6.4	12.0	-50.6	V
8662.8	-54.4	7.0	12.3	-49.1	V
10394.4	-53.3	7.8	12.3	-48.8	V
12126.0	-51.0	7.5	13.1	-45.4	V

**Test Data (QPSK Mode channel 1513)**

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Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3505.0	-62.6	4.4	10.3	-56.7	V
5258.1	-60.1	5.4	11.3	-54.2	V
7011.1	-55.5	6.4	12.0	-49.9	V
8764.2	-54.0	7.2	12.3	-48.9	V
10515.3	-53.0	7.8	12.3	-48.5	V
12268.3	-50.8	7.5	13.1	-45.2	V

**Test Data (16QAM Mode channel 1513)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3505.0	-61.6	4.4	10.3	-55.7	V
5258.1	-60.4	5.4	11.3	-54.5	V
7011.1	-56.9	6.4	12.0	-51.3	V
8764.2	-53.9	7.2	12.3	-48.8	V
10515.3	-52.7	7.8	12.3	-48.2	V
12268.3	-51.2	7.5	13.1	-45.6	V

**6.6.5 WCDMA B5 Radiated Spurious Emission Results**

**Test Data (QPSK Mode channel 4132)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1652.8	-58.9	4.8	7.3	-56.4	V
2479.2	-51.0	6.0	6.8	-50.2	H
3305.6	-57.9	6.7	8.9	-55.7	V

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4132.0	-56.9	7.6	9.2	-55.3	V
4958.4	-55.8	7.7	9.9	-53.6	V
5784.8	-62.2	1.5	10.5	-53.2	V

**Test Data (16QAM Mode channel 4132)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1652.8	-58.5	4.8	7.3	-56.0	H
2479.2	-51.3	6.0	6.8	-50.5	V
3305.6	-57.1	6.7	8.9	-54.9	V
4132.0	-56.9	7.6	9.2	-55.3	V
4958.4	-55.0	7.7	9.9	-52.8	V
5784.8	-62.0	1.5	10.5	-53.0	V

**Test Data (QPSK Mode channel 4182)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1672.8	-68.1	4.7	7.3	-65.5	H
2509.2	-61.2	5.9	6.7	-60.4	V
3345.6	-58.8	6.8	8.9	-56.7	V
4182.0	-58.0	7.8	9.2	-56.6	V
5018.4	-56.3	7.5	9.9	-53.9	V
5854.8	-63.3	1.1	10.5	-53.9	V

**Test Data (16QAM Mode channel 4182)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1672.8	-68.3	4.7	7.3	-65.7	H
2509.2	-60.1	5.9	6.7	-59.3	H

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3345.6	-58.3	6.8	8.9	-56.2	V
4182.0	-56.6	7.8	9.2	-55.2	V
5018.4	-56.1	7.5	9.9	-53.7	V
5854.8	-63.3	1.1	10.5	-53.9	V

**Test Data (QPSK Mode channel 4233)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1693.2	-69.5	4.8	8.0	-66.3	V
2539.8	-60.7	5.9	6.9	-59.7	H
3386.4	-56.7	6.9	8.9	-54.7	V
4233.0	-56.3	7.8	9.2	-54.9	V
5079.6	-57.2	6.8	9.9	-54.1	V
5926.2	-62.6	1.4	10.9	-53.1	V

**Test Data (16QAM Mode channel 4233)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1693.2	-69.7	4.8	8.0	-66.5	V
2539.8	-61.1	5.9	6.9	-60.1	H
3386.4	-58.1	6.9	8.9	-56.1	V
4233.0	-56.3	7.8	9.2	-54.9	V
5079.6	-56.5	6.8	9.9	-53.4	V
5926.2	-62.4	1.4	10.9	-52.9	V

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### 6.6.6 LTE B2 Radiated Spurious Emission Results

**Test Data (1.4MHz bandwidth 18607 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3701.4	-55.1	7.2	8.9	-53.4	V
5552.1	-61.0	2.5	10.5	-53.0	V
7402.8	-73.3	0.9	11.9	-62.3	V
9253.5	-70.6	1.0	11.5	-60.1	V
11104.2	-71.3	0.3	12.1	-59.5	V
12954.9	-70.8	0.4	12.4	-58.8	V

**Test Data (1.4MHz bandwidth 18607 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3701.4	-55.7	7.2	8.9	-54.0	V
5552.1	-61.2	2.5	10.5	-53.2	V
7402.8	-72.8	0.9	11.9	-61.8	V
9253.5	-70.6	1.0	11.5	-60.1	V
11104.2	-71.3	0.3	12.1	-59.5	V
12954.9	-70.2	0.4	12.4	-58.2	V

**Test Data (1.4MHz bandwidth 18900 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3760.0	-52.1	7.3	8.9	-50.5	V
5640.0	-57.2	1.8	10.5	-48.5	V
7520.0	-72.4	0.9	11.9	-61.4	V

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9400.0	-69.8	0.8	11.8	-58.8	V
11280.0	-70.4	0.3	12.1	-58.6	V
13160.0	-69.9	0.4	12.4	-57.9	V

**Test Data (1.4MHz bandwidth 18900 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3760.0	-55.4	7.3	8.9	-53.8	V
5640.0	-58.2	1.8	10.5	-49.5	V
7520.0	-71.0	0.9	11.9	-60.0	V
9400.0	-70.9	0.8	11.8	-59.9	V
11280.0	-70.1	0.3	12.1	-58.3	V
13160.0	-70.3	0.4	12.4	-58.3	V

**Test Data (1.4MHz bandwidth 19192 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3818.4	-59.3	7.4	9.2	-57.5	V
5727.6	-57.7	1.5	10.5	-48.7	V
7636.8	-70.8	1.1	11.9	-60.0	V
9546.0	-70.5	0.9	11.8	-59.6	V
11455.2	-71.3	0.3	12.2	-59.4	V
13364.4	-70.5	0.4	12.4	-58.5	V

**Test Data (1.4MHz bandwidth 19192 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3818.4	-59.3	7.4	9.2	-57.5	V
5727.6	-58.2	1.5	10.5	-49.2	V

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7636.8	-71.8	1.1	11.9	-61.0	V
9546.0	-71.0	0.9	11.8	-60.1	V
11455.2	-71.4	0.3	12.2	-59.5	V
13364.4	-69.8	0.4	12.4	-57.8	V

**Test Data (3MHz bandwidth 18615 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3703.0	-59.4	7.2	8.9	-57.7	V
5554.5	-65.0	2.0	10.5	-56.5	V
7406.0	-73.0	0.9	11.9	-62.0	V
9257.5	-70.3	1.0	11.5	-59.8	V
11109.0	-71.1	0.4	12.1	-59.4	V
12960.5	-70.9	0.4	12.4	-58.9	V

**Test Data (3MHz bandwidth 18615 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3703.0	-57.8	7.2	8.9	-56.1	V
5554.5	-64.2	2.0	10.5	-55.7	V
7406.0	-72.8	0.9	11.9	-61.8	V
9257.5	-70.4	1.0	11.5	-59.9	V
11109.0	-71.3	0.4	12.1	-59.6	V
12960.5	-70.9	0.4	12.4	-58.9	V

**Test Data (3MHz bandwidth 18900 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3760.0	-56.7	7.3	8.9	-55.1	V

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5640.0	-61.0	1.8	10.5	-52.3	V
7520.0	-71.4	0.9	11.9	-60.4	V
9400.0	-69.6	0.8	11.8	-58.6	V
11280.0	-70.3	0.3	12.1	-58.5	V
13160.0	-70.8	0.4	12.4	-58.8	V

**Test Data (3MHz bandwidth 18900 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3760.0	-56.6	7.3	8.9	-55.0	V
5640.0	-60.7	1.8	10.5	-52.0	V
7520.0	-71.5	0.9	11.9	-60.5	V
9400.0	-69.9	0.8	11.8	-58.9	V
11280.0	-70.4	0.3	12.1	-58.6	V
13160.0	-69.6	0.4	12.4	-57.6	V

**Test Data (3MHz bandwidth 19184 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3816.4	-61.1	7.4	9.2	-59.3	V
5724.8	-61.5	1.4	10.5	-52.4	V
7633.2	-72.0	1.1	11.9	-61.2	V
9541.6	-70.9	0.9	11.8	-60.0	V
11450.0	-70.8	0.8	12.2	-59.4	V
13358.4	-70.6	0.4	12.4	-58.6	V

**Test Data (3MHz bandwidth 19184 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
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3816.4	-60.4	7.4	9.2	-58.6	V
5724.8	-60.9	1.4	10.5	-51.8	V
7633.2	-72.1	1.1	11.9	-61.3	V
9541.6	-70.8	0.9	11.8	-59.9	V
11450.0	-70.7	0.8	12.2	-59.3	V
13358.4	-70.3	0.4	12.4	-58.3	V

**Test Data (5MHz bandwidth 18625 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3705.0	-59.2	7.2	8.9	-57.5	V
5557.5	-64.2	2.5	10.5	-56.2	V
7410.0	-72.1	0.9	11.9	-61.1	V
9262.5	-69.4	1.0	11.5	-58.9	V
11115.0	-70.9	0.3	12.1	-59.1	V
12967.5	-69.8	0.4	12.4	-57.8	V

**Test Data (5MHz bandwidth 18625 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3705.0	-59.3	7.2	8.9	-57.6	V
5557.5	-65.0	2.5	10.5	-57.0	V
7410.0	-72.3	0.9	11.9	-61.3	V
9262.5	-70.2	1.0	11.5	-59.7	V
11115.0	-71.0	0.3	12.1	-59.2	V
12967.5	-69.9	0.4	12.4	-57.9	V

**Test Data (5MHz bandwidth 18900 QPSK Mode)**

Frequency [MHz]	Generator output	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission	Antenna Polarization
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	<b>power(Pg) [dBm]</b>			<b>Power (Pd) [dBm]</b>	<b>[H/V]</b>
3760.0	-58.2	7.3	8.9	-56.6	V
5640.0	-62.3	1.8	10.5	-53.6	V
7520.0	-71.0	0.9	11.9	-60.0	V
9400.0	-70.9	0.8	11.8	-59.9	V
11280.0	-70.0	0.3	12.1	-58.2	V
13160.0	-69.6	0.4	12.4	-57.6	V

**Test Data (5MHz bandwidth 18900 16QAM Mode)**

<b>Frequency [MHz]</b>	<b>Generator output power(Pg) [dBm]</b>	<b>Cable loss [dB]</b>	<b>Antenna Gain [dB]</b>	<b>Spurious Emission Power (Pd) [dBm]</b>	<b>Antenna Polarization [H/V]</b>
3760.0	-59.0	7.3	8.9	-57.4	V
5640.0	-62.5	1.8	10.5	-53.8	V
7520.0	-70.8	0.9	11.9	-59.8	V
9400.0	-69.9	0.8	11.8	-58.9	V
11280.0	-70.3	0.3	12.1	-58.5	V
13160.0	-69.4	0.4	12.4	-57.4	V

**Test Data (5MHz bandwidth 19174 QPSK Mode)**

<b>Frequency [MHz]</b>	<b>Generator output power(Pg) [dBm]</b>	<b>Cable loss [dB]</b>	<b>Antenna Gain [dB]</b>	<b>Spurious Emission Power (Pd) [dBm]</b>	<b>Antenna Polarization [H/V]</b>
3814.8	-59.7	7.4	9.2	-57.9	V
5722.2	-63.3	1.5	10.5	-54.3	V
7629.6	-71.3	0.8	11.9	-60.2	V
9537.0	-71.2	0.9	11.8	-60.3	V
11444.4	-70.7	0.8	12.2	-59.3	V
13351.8	-69.2	0.4	12.4	-57.2	V

**Test Data (5MHz bandwidth 19174 16QAM Mode)**

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Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3814.8	-60.0	7.4	9.2	-58.2	V
5722.2	-63.7	1.5	10.5	-54.7	V
7629.6	-72.3	0.8	11.9	-61.2	V
9537.0	-70.2	0.9	11.8	-59.3	V
11444.4	-70.6	0.8	12.2	-59.2	V
13351.8	-69.6	0.4	12.4	-57.6	V

**Test Data (10MHz bandwidth 18650 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3710.0	-61.8	7.2	8.9	-60.1	V
5565.0	-67.6	2.0	10.5	-59.1	V
7420.0	-73.1	0.9	11.9	-62.1	V
9275.0	-70.6	1.0	11.5	-60.1	V
11130.0	-70.4	0.3	12.1	-58.6	V
12985.0	-69.6	0.4	12.4	-57.6	V

**Test Data (10MHz bandwidth 18650 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3710.0	-62.3	7.2	8.9	-60.6	V
5565.0	-68.5	2.0	10.5	-60.0	V
7420.0	-73.2	0.9	11.9	-62.2	V
9275.0	-70.4	1.0	11.5	-59.9	V
11130.0	-71.3	0.3	12.1	-59.5	V
12985.0	-69.9	0.4	12.4	-57.9	V

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**Test Data (10MHz bandwidth 18900 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3760.0	-60.7	7.3	8.9	-59.1	V
5640.0	-65.3	1.8	10.5	-56.6	V
7520.0	-71.9	0.9	11.9	-60.9	V
9400.0	-70.0	0.8	11.8	-59.0	V
11280.0	-69.7	0.3	12.1	-57.9	V
13160.0	-70.3	0.4	12.4	-58.3	V

**Test Data (10MHz bandwidth 18900 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3760.0	-59.7	7.3	8.9	-58.1	V
5640.0	-67.2	1.8	10.5	-58.5	V
7520.0	-71.7	0.9	11.9	-60.7	V
9400.0	-70.4	0.8	11.8	-59.4	V
11280.0	-70.1	0.3	12.1	-58.3	V
13160.0	-70.2	0.4	12.4	-58.2	V

**Test Data (10MHz bandwidth 19149 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3809.8	-61.0	7.4	9.2	-59.2	V
5714.7	-64.9	1.5	10.5	-55.9	V
7619.6	-71.9	1.1	11.9	-61.1	V
9524.5	-70.2	0.9	11.8	-59.3	V
11429.4	-70.8	0.8	12.2	-59.4	V

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13343.3	-69.9	0.4	12.4	-57.9	V
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**Test Data (10MHz bandwidth 19149 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3809.8	-61.5	7.4	9.2	-59.7	V
5714.7	-64.5	1.5	10.5	-55.5	V
7619.6	-72.2	1.1	11.9	-61.4	V
9524.5	-70.1	0.9	11.8	-59.2	V
11429.4	-71.1	0.8	12.2	-59.7	V
13343.3	-69.6	0.4	12.4	-57.6	V

**Test Data (15MHz bandwidth 18675 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3715.0	-63.7	7.2	8.9	-62.0	V
5572.5	-65.6	2.0	10.5	-57.1	V
7430.0	-72.2	0.9	11.9	-61.2	V
9287.5	-69.8	1.0	11.5	-59.3	V
11145.0	-70.9	0.3	12.1	-59.1	V
13002.5	-69.1	0.4	12.4	-57.1	V

**Test Data (15MHz bandwidth 18675 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3715.0	-63.1	7.2	8.9	-61.4	V
5572.5	-67.7	2.0	10.5	-59.2	V
7430.0	-72.6	0.9	11.9	-61.6	V
9287.5	-69.6	1.0	11.5	-59.1	V

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11145.0	-70.9	0.3	12.1	-59.1	V
13002.5	-70.3	0.4	12.4	-58.3	V

**Test Data (15MHz bandwidth 18900 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3760.0	-61.1	7.3	8.9	-59.5	V
5640.0	-66.1	1.8	10.5	-57.4	V
7520.0	-72.3	0.9	11.9	-61.3	V
9400.0	-69.6	0.8	11.8	-58.6	V
11280.0	-70.2	0.3	12.1	-58.4	V
13160.0	-69.9	0.4	12.4	-57.9	V

**Test Data (15MHz bandwidth 18900 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3760.0	-60.2	7.3	8.9	-58.6	V
5640.0	-63.7	1.8	10.5	-55.0	V
7520.0	-71.6	0.9	11.9	-60.6	V
9400.0	-70.7	0.8	11.8	-59.7	V
11280.0	-70.3	0.3	12.1	-58.5	V
13160.0	-69.9	0.4	12.4	-57.9	V

**Test Data (15MHz bandwidth 19124 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3804.8	-59.5	7.4	9.2	-57.7	V
5707.2	-63.0	1.5	10.5	-54.0	V
7609.6	-71.3	1.1	11.9	-60.5	V

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9512.0	-69.7	0.9	11.8	-58.8	V
11414.4	-70.6	0.8	12.2	-59.2	V
13316.8	-69.5	0.4	12.4	-57.5	V

**Test Data (15MHz bandwidth 19124 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3804.8	-61.1	7.4	9.2	-59.3	V
5707.2	-64.0	1.5	10.5	-55.0	V
7609.6	-72.1	1.1	11.9	-61.3	V
9512.0	-70.4	0.9	11.8	-59.5	V
11414.4	-70.8	0.8	12.2	-59.4	V
13316.8	-70.1	0.4	12.4	-58.1	V

**Test Data (20MHz bandwidth 18700 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3720.0	-64.9	7.3	9.2	-63.0	V
5580.0	-66.8	2.0	10.5	-58.3	V
7440.0	-73.2	0.9	11.9	-62.2	V
9300.0	-70.9	0.7	11.8	-59.8	V
11160.0	-70.4	0.3	12.2	-58.5	V
13020.0	-69.9	0.4	12.4	-57.9	V

**Test Data (20MHz bandwidth 18700 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3720.0	-64.3	7.3	9.2	-62.4	V
5580.0	-66.8	2.0	10.5	-58.3	V

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7440.0	-72.8	0.9	11.9	-61.8	V
9300.0	-70.8	0.7	11.8	-59.7	V
11160.0	-70.8	0.3	12.2	-58.9	V
13020.0	-69.5	0.4	12.4	-57.5	V

**Test Data (20MHz bandwidth 18900 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3760.0	-62.1	7.3	8.9	-60.5	V
5640.0	-66.2	1.8	10.5	-57.5	V
7520.0	-71.9	0.9	11.9	-60.9	V
9400.0	-70.1	0.8	11.8	-59.1	V
11280.0	-70.2	0.3	12.1	-58.4	V
13160.0	-69.5	0.4	12.4	-57.5	V

**Test Data (20MHz bandwidth 18900 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3760.0	-62.1	7.3	8.9	-60.5	V
5640.0	-66.3	1.8	10.5	-57.6	V
7520.0	-70.9	0.9	11.9	-59.9	V
9400.0	-70.3	0.8	11.8	-59.3	V
11280.0	-70.5	0.3	12.1	-58.7	V
13160.0	-69.3	0.4	12.4	-57.3	V

**Test Data (20MHz bandwidth 19099 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3799.8	-61.9	7.4	9.2	-60.1	V

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5699.7	-66.8	1.7	10.5	-58.0	V
7599.6	-71.8	0.8	11.9	-60.7	V
9499.5	-70.5	0.8	11.8	-59.5	V
11399.4	-70.7	0.8	12.2	-59.3	V
13299.3	-69.7	0.4	12.4	-57.7	V

**Test Data (20MHz bandwidth 19099 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3799.8	-62.1	7.4	9.2	-60.3	V
5699.7	-66.6	1.7	10.5	-57.8	V
7599.6	-72.6	0.8	11.9	-61.5	V
9499.5	-70.9	0.8	11.8	-59.9	V
11399.4	-70.7	0.8	12.2	-59.3	V
13299.3	-70.2	0.4	12.4	-58.2	V

**6.6.7 LTE B4 Radiated Spurious Emission Results**

**Test Data (1.4MHz bandwidth 19957 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3421.4	-68.3	6.9	8.9	-66.3	V
5132.1	-66.8	6.3	9.9	-63.2	V
6842.8	-72.1	0.8	11.9	-61.0	V
8553.5	-70.4	0.9	11.2	-60.1	V
10264.2	-70.6	0.5	12.0	-59.1	V
11974.9	-69.8	0.4	12.2	-58.0	V

**Test Data (1.4MHz bandwidth 19957 16QAM Mode)**

Frequency	Generator	Cable loss	Antenna	Spurious	Antenna
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[MHz]	output power(Pg) [dBm]	[dB]	Gain [dB]	Emission Power (Pd) [dBm]	Polarization [H/V]
3421.4	-68.8	6.9	8.9	-66.8	V
5132.1	-66.4	6.3	9.9	-62.8	V
6842.8	-73.4	0.8	11.9	-62.3	V
8553.5	-70.7	0.9	11.2	-60.4	V
10264.2	-72	0.5	12.0	-60.5	V
11974.9	-70.4	0.4	12.2	-58.6	V

**Test Data (1.4MHz bandwidth 20175 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3465.0	-68.0	6.9	8.9	-66.0	V
5197.5	-67.8	5.8	9.9	-63.7	V
6930.0	-73.5	0.9	11.9	-62.5	V
8662.5	-71.0	0.9	11.2	-60.7	V
10395.0	-71.9	0.7	12.2	-60.4	V
12127.5	-70.3	0.6	12.2	-58.7	V

**Test Data (1.4MHz bandwidth 20175 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3465.0	-68.5	6.9	8.9	-66.5	V
5197.5	-68.1	5.8	9.9	-64.0	V
6930.0	-73.2	0.9	11.9	-62.2	V
8662.5	-70.4	0.9	11.2	-60.1	V
10395.0	-71.8	0.7	12.2	-60.3	V
12127.5	-70.4	0.6	12.2	-58.8	V

**Test Data (1.4MHz bandwidth 20392 QPSK Mode)****Chongqing Academy of Information and Communication Technology**

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Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3508.4	-68.7	7.0	8.9	-66.8	V
5262.5	-69.3	4.7	9.9	-64.1	V
7016.8	-73.0	1.2	11.9	-62.3	V
8771.0	-70.3	1.1	11.2	-60.2	V
10525.2	-70.8	0.6	12.2	-59.2	V
12279.4	-70.7	0.3	12.2	-58.8	V

**Test Data (1.4MHz bandwidth 20392 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3508.4	-68.5	7.0	8.9	-66.6	V
5262.5	-68.6	4.7	9.9	-63.4	V
7016.8	-73.0	1.2	11.9	-62.3	V
8771.0	-70.2	1.1	11.2	-60.1	V
10525.2	-71.7	0.6	12.2	-60.1	V
12279.4	-70.7	0.3	12.2	-58.8	V

**Test Data (3MHz bandwidth 19965 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3423.0	-68.7	6.9	8.9	-66.7	V
5134.5	-66.9	6.3	9.9	-63.3	V
6846.0	-73.8	0.8	11.9	-62.7	V
8557.5	-71.3	0.9	11.2	-61.0	V
10269.0	-72.0	0.5	12.0	-60.5	V
11980.5	-70.1	0.4	12.2	-58.3	V

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**Test Data (3MHz bandwidth 19965 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3423.0	-68.5	6.9	8.9	-66.5	V
5134.5	-67.4	6.3	9.9	-63.8	V
6846.0	-72.7	0.8	11.9	-61.6	V
8557.5	-70.9	0.9	11.2	-60.6	V
10269.0	-72.4	0.5	12.0	-60.9	V
11980.5	-70.5	0.4	12.2	-58.7	V

**Test Data (3MHz bandwidth 20175 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3465.0	-68.7	6.9	8.9	-66.7	V
5197.5	-68.2	5.8	9.9	-64.1	V
6930.0	-73.1	0.9	11.9	-62.1	V
8662.5	-70.9	0.9	11.2	-60.6	V
10395.0	-72.5	0.7	12.2	-61.0	V
12127.5	-70.6	0.6	12.2	-59.0	V

**Test Data (3MHz bandwidth 20175 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3465.0	-68.6	6.9	8.9	-66.6	V
5197.5	-68.1	5.8	9.9	-64.0	V
6930.0	-73.3	0.9	11.9	-62.3	V
8662.5	-70.9	0.9	11.2	-60.6	V
10395.0	-72.5	0.7	12.2	-61.0	V

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12127.5	-70.7	0.6	12.2	-59.1	V
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**Test Data (3MHz bandwidth 20384 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3506.8	-68.7	7.0	8.9	-66.8	V
5260.2	-68.9	5.0	9.9	-64.0	V
7013.6	-73.3	1.2	11.9	-62.6	V
8767.0	-70.7	1.2	11.2	-60.7	V
10520.4	-71.9	0.6	12.2	-60.3	V
12273.8	-71.1	0.3	12.2	-59.2	V

**Test Data (3MHz bandwidth 20384 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3506.8	-68.9	7.0	8.9	-67.0	V
5260.2	-69.0	5.0	9.9	-64.1	V
7013.6	-73.4	1.2	11.9	-62.7	V
8767.0	-70.9	1.2	11.2	-60.9	V
10520.4	-71.8	0.6	12.2	-60.2	V
12273.8	-71.2	0.3	12.2	-59.3	V

**Test Data (5MHz bandwidth 19975 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3425.0	-69.2	6.9	8.9	-67.2	V
5137.5	-67.3	6.3	9.9	-63.7	V
6850.0	-73.4	0.8	11.9	-62.3	V
8562.5	-71.4	0.9	11.2	-61.1	V

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10275.0	-72.7	0.5	12.0	-61.2	V
11987.5	-70.3	0.4	12.2	-58.5	V

**Test Data (5MHz bandwidth 19975 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3425.0	-68.6	6.9	8.9	-66.6	V
5137.5	-67.1	6.3	9.9	-63.5	V
6850.0	-73.9	0.8	11.9	-62.8	V
8562.5	-71.0	0.9	11.2	-60.7	V
10275.0	-70.5	0.5	12.0	-59.0	V
11987.5	-70.4	0.4	12.2	-58.6	V

**Test Data (5MHz bandwidth 20175 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3465.0	-68.7	6.9	8.9	-66.7	V
5197.5	-68.4	5.8	9.9	-64.3	V
6930.0	-73.4	0.9	11.9	-62.4	V
8662.5	-70.8	0.9	11.2	-60.5	V
10395.0	-72.4	0.7	12.2	-60.9	V
12127.5	-70.5	0.6	12.2	-58.9	V

**Test Data (5MHz bandwidth 20175 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3465.0	-68.8	6.9	8.9	-66.8	V
5197.5	-68.0	5.8	9.9	-63.9	V
6930.0	-73.7	0.9	11.9	-62.7	V

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8662.5	-71.1	0.9	11.2	-60.8	V
10395.0	-72.6	0.7	12.2	-61.1	V
12127.5	-70.7	0.6	12.2	-59.1	V

**Test Data (5MHz bandwidth 20374 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3504.8	-68.3	7.0	8.9	-66.4	V
5257.2	-68.8	5.0	9.9	-63.9	V
7009.6	-73.0	1.2	11.9	-62.3	V
8762.0	-70.3	1.2	11.2	-60.3	V
10514.4	-72.0	0.6	12.2	-60.4	V
12266.8	-70.8	0.4	12.2	-59.0	V

**Test Data (5MHz bandwidth 20374 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3504.8	-68.4	7.0	8.9	-66.5	V
5257.2	-68.9	5.0	9.9	-64.0	V
7009.6	-73.0	1.2	11.9	-62.3	V
8762.0	-71.0	1.2	11.2	-61.0	V
10514.4	-72.1	0.6	12.2	-60.5	V
12266.8	-71.2	0.4	12.2	-59.4	V

**Test Data (10MHz bandwidth 20000 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3430.0	-68.7	6.9	8.9	-66.7	V
5145.0	-67.3	6.3	9.9	-63.7	V

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6860.0	-73.6	0.8	11.9	-62.5	V
8575.0	-71.3	0.9	11.2	-61.0	V
10290.0	-72.8	0.5	12.0	-61.3	V
12005.0	-70.5	0.4	12.2	-58.7	V

**Test Data (10MHz bandwidth 20000 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3430.0	-68.8	6.9	8.9	-66.8	V
5145.0	-67.1	6.3	9.9	-63.5	V
6860.0	-73.7	0.8	11.9	-62.6	V
8575.0	-71.6	0.9	11.2	-61.3	V
10290.0	-72.8	0.5	12.0	-61.3	V
12005.0	-70.4	0.4	12.2	-58.6	V

**Test Data (10MHz bandwidth 20175 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3465.0	-68.9	6.9	8.9	-66.9	V
5197.5	-68.8	5.8	9.9	-64.7	V
6930.0	-73.8	0.9	11.9	-62.8	V
8662.5	-71.2	0.9	11.2	-60.9	V
10395.0	-72.3	0.7	12.2	-60.8	V
12127.5	-70.5	0.6	12.2	-58.9	V

**Test Data (10MHz bandwidth 20175 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3465.0	-69.4	6.9	8.9	-67.4	V

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5197.5	-68.1	5.8	9.9	-64.0	V
6930.0	-73.1	0.9	11.9	-62.1	V
8662.5	-71.2	0.9	11.2	-60.9	V
10395.0	-72.3	0.7	12.2	-60.8	V
12127.5	-70.7	0.6	12.2	-59.1	V

**Test Data (10MHz bandwidth 20349 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3499.8	-68.7	7.0	8.9	-66.8	V
5249.7	-68.8	5.0	9.9	-63.9	V
6999.6	-72.3	0.9	11.9	-61.3	V
8749.5	-70.8	1.2	11.2	-60.8	V
10499.4	-71.8	0.6	12.2	-60.2	V
12249.3	-71.0	0.3	12.2	-59.1	V

**Test Data (10MHz bandwidth 20349 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3499.8	-68.5	7.0	8.9	-66.6	V
5249.7	-68.5	5.0	9.9	-63.6	V
6999.6	-72.7	0.9	11.9	-61.7	V
8749.5	-70.7	1.2	11.2	-60.7	V
10499.4	-71.7	0.6	12.2	-60.1	V
12249.3	-70.8	0.3	12.2	-58.9	V

**Test Data (15MHz bandwidth 20025 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
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3435.0	-68.5	6.9	8.9	-66.5	V
5152.5	-67.3	6.3	9.9	-63.7	V
6870.0	-73.4	0.8	11.9	-62.3	V
8587.5	-71.2	0.9	11.2	-60.9	V
10305.0	-72.7	0.7	12.2	-61.2	V
12022.5	-70.3	0.6	12.2	-58.7	V

**Test Data (15MHz bandwidth 20025 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3435.0	-68.8	6.9	8.9	-66.8	V
5152.5	-67.6	6.3	9.9	-64.0	V
6870.0	-73.2	0.8	11.9	-62.1	V
8587.5	-71.7	0.9	11.2	-61.4	V
10305.0	-72.7	0.7	12.2	-61.2	V
12022.5	-70.4	0.6	12.2	-58.8	V

**Test Data (15MHz bandwidth 20175 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3465.0	-68.6	6.9	8.9	-66.6	V
5197.5	-67.3	6.3	9.9	-63.7	V
6930.0	-73.1	0.8	11.9	-62.0	V
8662.5	-70.8	0.9	11.2	-60.5	V
10395.0	-72.5	0.7	12.2	-61.0	V
12127.5	-70.5	0.6	12.2	-58.9	V

**Test Data (15MHz bandwidth 20175 16QAM Mode)**

Frequency [MHz]	Generator output	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission	Antenna Polarization
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	power(Pg) [dBm]			Power (Pd) [dBm]	[H/V]
3465.0	-68.8	6.9	8.9	-66.8	V
5197.5	-68.0	5.8	9.9	-63.9	V
6930.0	-73.6	0.9	11.9	-62.6	V
8662.5	-70.0	0.9	11.2	-59.7	V
10395.0	-72.1	0.7	12.2	-60.6	V
12127.5	-70.6	0.6	12.2	-59.0	V

**Test Data (15MHz bandwidth 20324 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3494.8	-69.0	7.0	8.9	-67.1	V
5242.2	-69.3	5.0	9.9	-64.4	V
6989.6	-73.2	1.2	11.9	-62.5	V
8737.0	-70.3	1.2	11.2	-60.3	V
10484.4	-72.2	0.3	12.2	-60.3	V
12231.8	-71.1	0.3	12.2	-59.2	V

**Test Data (15MHz bandwidth 20324 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3494.8	-68.8	7.0	8.9	-66.9	V
5242.2	-68.7	5.0	9.9	-63.8	V
6989.6	-73.2	1.2	11.9	-62.5	V
8737.0	-70.7	1.2	11.2	-60.7	V
10484.4	-72.0	0.3	12.2	-60.1	V
12231.8	-71.2	0.3	12.2	-59.3	V

**Test Data (20MHz bandwidth 20050 QPSK Mode)****Chongqing Academy of Information and Communication Technology**

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Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3440.0	-69.1	6.9	8.9	-67.1	V
5160.0	-67.7	6.3	9.9	-64.1	V
6880.0	-73.2	0.8	11.9	-62.1	V
8600.0	-71.2	0.9	11.2	-60.9	V
10320.0	-72.9	0.7	12.2	-61.4	V
12040.0	-70.5	0.6	12.2	-58.9	V

**Test Data (20MHz bandwidth 20050 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3440.0	-68.9	6.9	8.9	-66.9	V
5160.0	-67.1	6.3	9.9	-63.5	V
6880.0	-73.4	0.8	11.9	-62.3	V
8600.0	-70.6	0.9	11.2	-60.3	V
10320.0	-72.9	0.7	12.2	-61.4	V
12040.0	-70.4	0.6	12.2	-58.8	V

**Test Data (20MHz bandwidth 20175 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3465.0	-68.7	6.9	8.9	-66.7	V
5197.5	-67.9	5.8	9.9	-63.8	V
6930.0	-73.4	0.9	11.9	-62.4	V
8662.5	-70.6	0.9	11.2	-60.3	V
10395.0	-72.4	0.7	12.2	-60.9	V
12127.5	-70.6	0.6	12.2	-59.0	V

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## Test Data (20MHz bandwidth 20175 16QAM Mode)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3465.0	-68.4	6.9	8.9	-66.4	V
5197.5	-67.6	5.8	9.9	-63.5	V
6930.0	-73.5	0.9	11.9	-62.5	V
8662.5	-70.8	0.9	11.2	-60.5	V
10395.0	-72.0	0.7	12.2	-60.5	V
12127.5	-70.7	0.6	12.2	-59.1	V

## Test Data (20MHz bandwidth 20299 QPSK Mode)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3489.8	-68.8	7.0	8.9	-66.9	V
5234.7	-68.7	5.0	9.9	-63.8	V
6979.6	-73.3	0.9	11.9	-62.3	V
8724.5	-70.0	1.2	11.2	-60.0	V
10469.4	-72.2	0.3	12.2	-60.3	V
12214.3	-71.3	0.3	12.2	-59.4	V

## Test Data (20MHz bandwidth 20299 16QAM Mode)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3489.8	-68.5	7.0	8.9	-66.6	V
5234.7	-68.8	5.0	9.9	-63.9	V
6979.6	-73.7	0.9	11.9	-62.7	V
8724.5	-70.0	1.2	11.2	-60.0	V
10469.4	-71.9	0.3	12.2	-60.0	V

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12214.3	-71.3	0.3	12.2	-59.4	V
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### 6.6.8 LTE B5 Radiated Spurious Emission Results

#### Test Data (1.4MHz bandwidth 20407 QPSK Mode)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1649.4	-69.3	4.7	7.3	-66.7	H
2474.1	-60.6	6.0	6.8	-59.8	H
3298.8	-68.1	6.7	8.9	-65.9	V
4123.5	-66.1	7.6	9.2	-64.5	V
4948.2	-65.7	7.7	9.9	-63.5	V
5772.9	-72.1	1.4	10.5	-63.0	V

#### Test Data (1.4MHz bandwidth 20407 16QAM Mode)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1649.4	-69.0	4.7	7.3	-66.4	H
2474.1	-60.5	6.0	6.8	-59.7	H
3298.8	-68.7	6.7	8.9	-66.5	V
4123.5	-66.4	7.6	9.2	-64.8	V
4948.2	-65.1	7.7	9.9	-62.9	V
5772.9	-72.2	1.4	10.5	-63.1	V

#### Test Data (1.4MHz bandwidth 20525 QPSK Mode)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1673.0	-68.1	4.7	7.3	-65.5	H
2509.5	-61.3	5.9	6.7	-60.5	H

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3346.0	-68.5	6.8	8.9	-66.4	V
4182.5	-66.2	7.8	9.2	-64.8	V
5019.0	-65.7	7.5	9.9	-63.3	V
5855.5	-72.6	1.1	10.5	-63.2	V

**Test Data (1.4MHz bandwidth 20525 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1673.0	-69.3	4.7	7.3	-66.7	H
2509.5	-60.2	5.9	6.7	-59.4	V
3346.0	-68.6	6.8	8.9	-66.5	V
4182.5	-66.7	7.8	9.2	-65.3	V
5019.0	-66.1	7.5	9.9	-63.7	V
5855.5	-73.3	1.1	10.5	-63.9	V

**Test Data (1.4MHz bandwidth 20642 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1696.4	-69.2	4.8	7.9	-66.1	V
2544.6	-60.8	5.9	6.9	-59.8	V
3392.8	-67.7	6.9	8.9	-65.7	V
4241.0	-66.2	7.8	9.2	-64.8	V
5089.2	-66.6	6.8	9.9	-63.5	V
5937.4	-72.7	1.4	10.9	-63.2	V

**Test Data (1.4MHz bandwidth 20642 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1696.4	-68.6	4.8	7.9	-65.5	V

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2544.6	-60.0	5.9	6.9	-59.0	V
3392.8	-67.7	6.9	8.9	-65.7	V
4241.0	-66.2	7.8	9.2	-64.8	V
5089.2	-66.4	6.8	9.9	-63.3	V
5937.4	-72.9	1.4	10.9	-63.4	V

**Test Data (3MHz bandwidth 20415 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1651.0	-69.7	4.8	7.9	-66.6	H
2476.5	-60.3	5.9	6.9	-59.3	H
3302.0	-68.5	6.9	8.9	-66.5	V
4127.5	-66.7	7.8	9.2	-65.3	V
4953.0	-66.7	6.8	9.9	-63.6	V
5778.5	-73.4	1.4	10.9	-63.9	V

**Test Data (3MHz bandwidth 20415 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1651.0	-69.6	4.8	7.9	-66.5	V
2476.5	-61.3	5.9	6.9	-60.3	V
3302.0	-68.3	6.9	8.9	-66.3	V
4127.5	-66.4	7.8	9.2	-65.0	V
4953.0	-66.2	6.8	9.9	-63.1	V
5778.5	-73.3	1.4	10.9	-63.8	V

**Test Data (3MHz bandwidth 20525 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]

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1673.0	-68.8	4.7	7.3	-66.2	H
2509.5	-60.8	5.9	6.7	-60.0	H
3346.0	-69.0	6.8	8.9	-66.9	V
4182.5	-66.1	7.8	9.2	-64.7	V
5019.0	-66.4	7.5	9.9	-64.0	V
5855.5	-73.7	1.1	10.5	-64.3	V

**Test Data (3MHz bandwidth 20525 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1673.0	-68.5	4.7	7.3	-65.9	H
2509.5	-60.2	5.9	6.7	-59.4	V
3346.0	-68.1	6.8	8.9	-66.0	V
4182.5	-66.5	7.8	9.2	-65.1	V
5019.0	-66.3	7.5	9.9	-63.9	V
5855.5	-72.4	1.1	10.5	-63.0	V

**Test Data (3MHz bandwidth 20634 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1694.8	-69.6	4.8	8.0	-66.4	V
2542.2	-60.0	5.9	6.9	-59.0	V
3389.6	-68.5	6.9	8.9	-66.5	V
4237.0	-65.5	7.8	9.2	-64.1	V
5084.4	-66.8	6.8	9.9	-63.7	V
5931.8	-73.1	1.4	10.9	-63.6	V

**Test Data (3MHz bandwidth 20634 16QAM Mode)**

Frequency [MHz]	Generator output	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission	Antenna Polarization
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	power(Pg) [dBm]			Power (Pd) [dBm]	[H/V]
1694.8	-69.3	4.8	8.0	-66.1	H
2542.2	-60.6	5.9	6.9	-59.6	H
3389.6	-68.7	6.9	8.9	-66.7	V
4237.0	-65.6	7.8	9.2	-64.2	V
5084.4	-66.6	6.8	9.9	-63.5	V
5931.8	-73.1	1.4	10.9	-63.6	V

**Test Data (5MHz bandwidth 20425 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1653.0	-69.0	4.8	7.3	-66.5	H
2479.5	-60.2	5.9	6.6	-59.5	H
3306.0	-68.2	6.8	8.9	-66.1	V
4132.5	-66.3	7.6	9.2	-64.7	V
4959.0	-66.0	7.5	9.9	-63.6	V
5785.5	-72.6	1.4	10.5	-63.5	V

**Test Data (5MHz bandwidth 20425 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1653.0	-68.5	4.8	7.3	-66.0	H
2479.5	-60.7	5.9	6.6	-60.0	H
3306.0	-68.8	6.8	8.9	-66.7	V
4132.5	-66.6	7.6	9.2	-65.0	V
4959.0	-65.7	7.5	9.9	-63.3	V
5785.5	-72.8	1.4	10.5	-63.7	V

**Test Data (5MHz bandwidth 20525 QPSK Mode)**

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Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1673.0	-68.8	4.7	7.3	-66.2	H
2509.5	-61.3	5.9	6.7	-60.5	V
3346.0	-67.6	6.8	8.9	-65.5	V
4182.5	-66.6	7.8	9.2	-65.2	V
5019.0	-66.2	7.5	9.9	-63.8	V
5855.5	-73.1	1.1	10.5	-63.7	V

**Test Data (5MHz bandwidth 20525 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1673.0	-68.6	4.7	7.3	-66.0	H
2509.5	-61.1	5.9	6.7	-60.3	V
3346.0	-68.4	6.8	8.9	-66.3	V
4182.5	-66.4	7.8	9.2	-65.0	V
5019.0	-66.3	7.5	9.9	-63.9	V
5855.5	-72.7	1.1	10.5	-63.3	V

**Test Data (5MHz bandwidth 20624 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1692.8	-69.1	4.8	8.0	-65.9	V
2539.2	-60.8	5.9	6.9	-59.8	V
3385.6	-68.8	6.9	8.9	-66.8	V
4232.0	-65.9	7.8	9.2	-64.5	V
5078.4	-67.1	6.8	9.9	-64.0	V
5924.8	-71.8	1.4	10.9	-62.3	V

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**Test Data (5MHz bandwidth 20624 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1692.8	-69.6	4.8	8.0	-66.4	V
2539.2	-60.2	5.9	6.9	-59.2	V
3385.6	-68.4	6.9	8.9	-66.4	V
4232.0	-66.1	7.8	9.2	-64.7	V
5078.4	-66.5	6.8	9.9	-63.4	V
5924.8	-72.8	1.4	10.9	-63.3	V

**Test Data (10MHz bandwidth 20450 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1658.0	-69.2	4.8	7.6	-66.4	H
2487.0	-61.1	5.9	6.6	-60.4	V
3316.0	-68.3	6.8	8.9	-66.2	V
4145.0	-66.4	7.6	9.2	-64.8	V
4974.0	-65.3	7.5	9.9	-62.9	V
5803.0	-73.0	1.4	10.9	-63.5	V

**Test Data (10MHz bandwidth 20450 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1658.0	-69.6	4.8	7.6	-66.8	V
2487.0	-60.9	5.9	6.6	-60.2	H
3316.0	-67.9	6.8	8.9	-65.8	V
4145.0	-66.4	7.6	9.2	-64.8	V
4974.0	-65.3	7.5	9.9	-62.9	V

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5803.0	-72.9	1.4	10.9	-63.4	V
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**Test Data (10MHz bandwidth 20525 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1673.0	-68.0	4.7	7.3	-65.4	H
2509.5	-60.9	5.9	6.7	-60.1	V
3346.0	-68.6	6.8	8.9	-66.5	V
4182.5	-65.9	7.8	9.2	-64.5	V
5019.0	-66.1	7.5	9.9	-63.7	V
5855.5	-72.7	1.1	10.5	-63.3	V

**Test Data (10MHz bandwidth 20525 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1673.0	-69.1	4.7	7.3	-66.5	V
2509.5	-61.6	5.9	6.7	-60.8	H
3346.0	-68.3	6.8	8.9	-66.2	V
4182.5	-66.6	7.8	9.2	-65.2	V
5019.0	-65.9	7.5	9.9	-63.5	V
5855.5	-72.9	1.1	10.5	-63.5	V

**Test Data (10MHz bandwidth 20599 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1687.8	-69.8	4.8	8.1	-66.5	V
2531.7	-60.5	5.9	6.9	-59.5	H
3375.6	-68.5	6.8	8.9	-66.4	V
4219.5	-66.5	7.8	9.2	-65.1	V

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5063.4	-66.4	7.1	9.9	-63.6	V
5907.3	-72.5	1.4	10.9	-63.0	V

**Test Data (10MHz bandwidth 20599 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1687.8	-69.5	4.8	8.1	-66.2	H
2531.7	-60.2	5.9	6.9	-59.2	V
3375.6	-68.7	6.8	8.9	-66.6	V
4219.5	-65.8	7.8	9.2	-64.4	V
5063.4	-66.6	7.1	9.9	-63.8	V
5907.3	-72.3	1.4	10.9	-62.8	V

**6.6.9 LTE B7 Radiated Spurious Emission Results**

**Test Data (5MHz bandwidth 20775 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
5005.0	-68.9	2.5	10.3	-61.1	V
7507.5	-69.4	0.9	11.7	-58.6	V
10010.0	-72.4	0.3	12.8	-59.9	V
12512.5	-72.6	0.5	14.1	-59.0	V
15015.0	-70.4	0.4	12.4	-58.4	V
17517.5	-70.0	0.3	12.0	-58.3	V

**Test Data (5MHz bandwidth 20775 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
5005.0	-68.8	2.5	10.3	-61.0	V

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7507.5	-69.7	0.9	11.7	-58.9	V
10010.0	-72.6	0.3	12.8	-60.1	V
12512.5	-72.7	0.5	14.1	-59.1	V
15015.0	-70.4	0.4	12.4	-58.4	V
17517.5	-70.3	0.3	12.0	-58.6	V

**Test Data (5MHz bandwidth 21100 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
5070.0	-64.2	6.8	9.8	-61.2	V
7605.0	-70.0	1.1	11.7	-59.4	V
10140.0	-71.7	0.4	12.8	-59.3	V
12675.0	-72.4	0.5	14.1	-58.8	V
15210.0	-70.2	0.4	12.4	-58.2	V
17745.0	-70.1	0.3	12.0	-58.4	V

**Test Data (5MHz bandwidth 21100 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
5070.0	-64.3	6.8	9.8	-61.3	V
7605.0	-69.7	1.1	11.7	-59.1	V
10140.0	-71.5	0.4	12.8	-59.1	V
12675.0	-71.9	0.5	14.1	-58.3	V
15210.0	-70.3	0.4	12.4	-58.3	V
17745.0	-70.3	0.3	12.0	-58.6	V

**Test Data (5MHz bandwidth 20424 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
5070.0	-64.3	6.8	9.8	-61.3	V
7605.0	-69.7	1.1	11.7	-59.1	V
10140.0	-71.5	0.4	12.8	-59.1	V
12675.0	-71.9	0.5	14.1	-58.3	V
15210.0	-70.3	0.4	12.4	-58.3	V
17745.0	-70.3	0.3	12.0	-58.6	V

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5134.8	-62.0	6.3	9.8	-58.5	V
7702.2	-69.6	0.9	11.7	-58.8	V
10269.6	-72.7	0.7	13.2	-60.2	V
12837.0	-72.1	0.4	14.1	-58.4	V
15404.4	-70.4	0.5	12.4	-58.5	V
17971.8	-69.3	0.3	11.0	-58.6	V

**Test Data (5MHz bandwidth 20424 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
5134.8	-62.0	6.3	9.8	-58.5	V
7702.2	-69.4	0.9	11.7	-58.6	V
10269.6	-73.2	0.7	13.2	-60.7	V
12837.0	-72.7	0.4	14.1	-59.0	V
15404.4	-70.5	0.5	12.4	-58.6	V
17971.8	-69.0	0.3	11.0	-58.3	V

**Test Data (10MHz bandwidth 20800 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
5010.0	-62.7	7.1	9.8	-60.0	V
7515.0	-68.2	0.9	11.7	-57.4	V
10020.0	-71.1	0.3	12.8	-58.6	V
12525.0	-72.7	0.5	14.1	-59.1	V
15030.0	-70.7	0.4	12.4	-58.7	V
17535.0	-70.0	0.5	12.0	-58.5	V

**Test Data (10MHz bandwidth 20800 16QAM Mode)**

Frequency [MHz]	Generator output	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission	Antenna Polarization
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	power(Pg) [dBm]			Power (Pd) [dBm]	[H/V]
5010.0	-63.5	7.1	9.8	-60.8	V
7515.0	-69.4	0.9	11.7	-58.6	V
10020.0	-71.5	0.3	12.8	-59.0	V
12525.0	-72.9	0.5	14.1	-59.3	V
15030.0	-70.3	0.4	12.4	-58.3	V
17535.0	-70.2	0.5	12.0	-58.7	V

**Test Data (10MHz bandwidth 21100 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
5070.0	-64.0	6.8	9.8	-61.0	V
7605.0	-72.6	1.1	11.7	-62.0	V
10140.0	-72.2	0.4	12.8	-59.8	V
12675.0	-72.4	0.5	14.1	-58.8	V
15210.0	-70.6	0.4	12.4	-58.6	V
17745.0	-70.3	0.3	12.0	-58.6	V

**Test Data (10MHz bandwidth 21100 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
5070.0	-63.8	6.8	9.8	-60.8	V
7605.0	-71.8	1.1	11.7	-61.2	V
10140.0	-72.0	0.4	12.8	-59.6	V
12675.0	-72.3	0.5	14.1	-58.7	V
15210.0	-70.1	0.4	12.4	-58.1	V
17745.0	-69.7	0.3	12.0	-58.0	V

**Test Data (10MHz bandwidth 21399 QPSK Mode)**

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Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
5129.8	-63.6	6.3	9.8	-60.1	V
7694.7	-73.1	0.9	11.7	-62.3	V
10259.6	-72.9	0.5	12.8	-60.6	V
12824.5	-72.2	0.4	14.1	-58.5	V
15389.4	-70.6	0.5	12.4	-58.7	V
17954.3	-68.6	0.4	11.0	-58.0	V

**Test Data (10MHz bandwidth 21399 16QAM Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
5129.8	-63.6	6.3	9.8	-60.1	V
7694.7	-71.1	0.9	11.7	-60.3	V
10259.6	-72.8	0.5	12.8	-60.5	V
12824.5	-72.5	0.4	14.1	-58.8	V
15389.4	-70.2	0.5	12.4	-58.3	V
17954.3	-69.0	0.4	11.0	-58.4	V

**Test Data (15MHz bandwidth 20825 QPSK Mode)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
5015.0	-63.0	7.1	9.8	-60.3	V
7522.5	-69.7	0.9	11.7	-58.9	V
10030.0	-72.2	0.4	13.2	-59.4	V
12537.5	-72.2	0.5	14.1	-58.6	V
15045.0	-70.1	0.4	12.4	-58.1	V

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