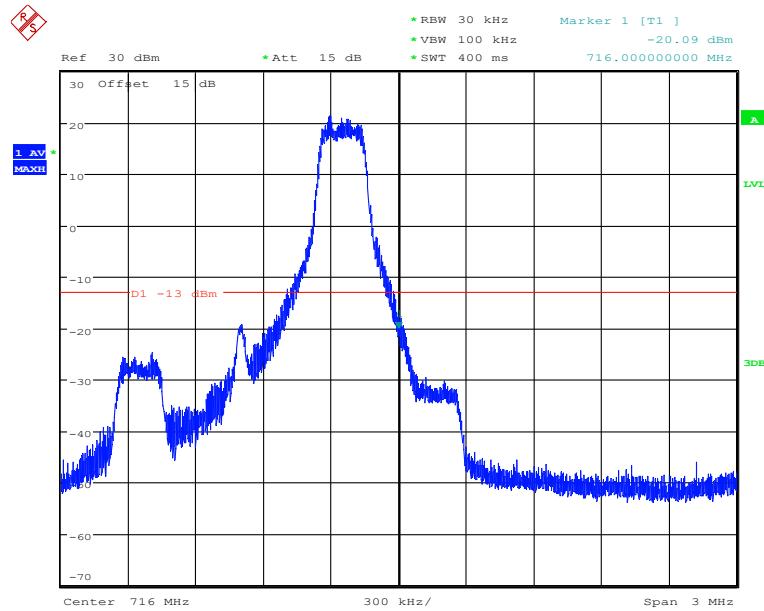


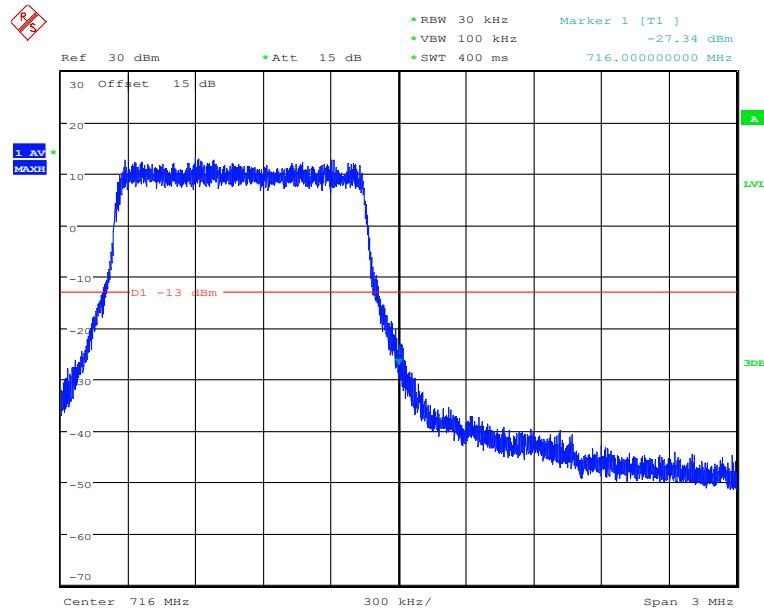
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 05:50:01

LTE Band12, 1.4MHz bandwidth, 16QAM,(1,6) Mode, Above 716MHz



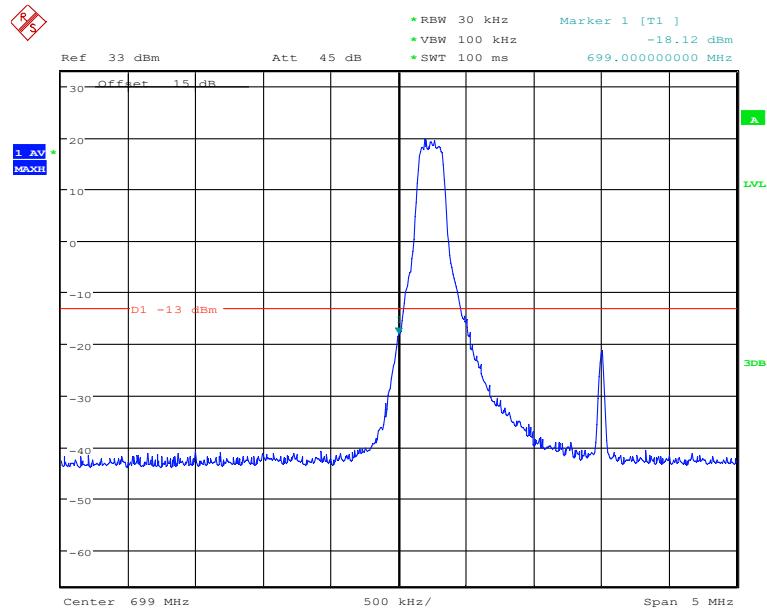
Date: 23.FEB.2020 05:50:17

LTE Band12, 1.4MHz bandwidth, 16QAM,(6,0) Mode, Above 716MHz

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

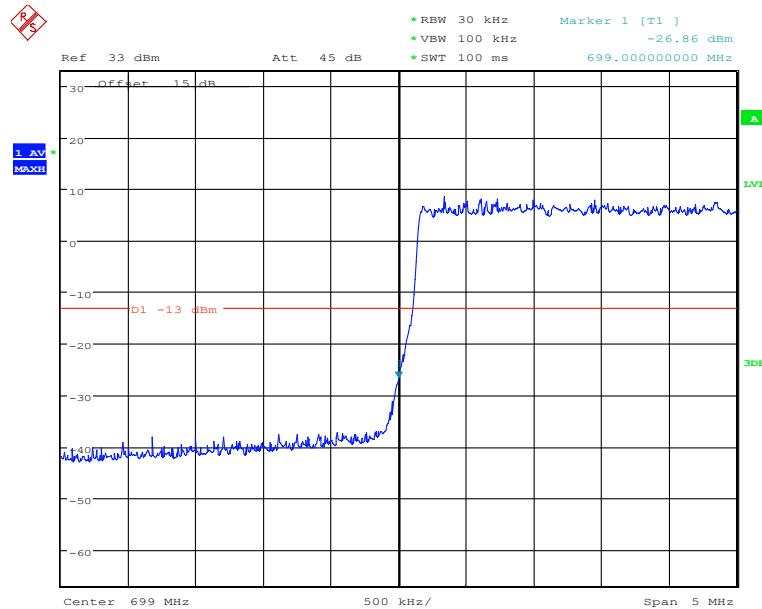
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:24:31

LTE Band12, 3MHz bandwidth, QPSK,(1,0) Mode , Below 698MHz

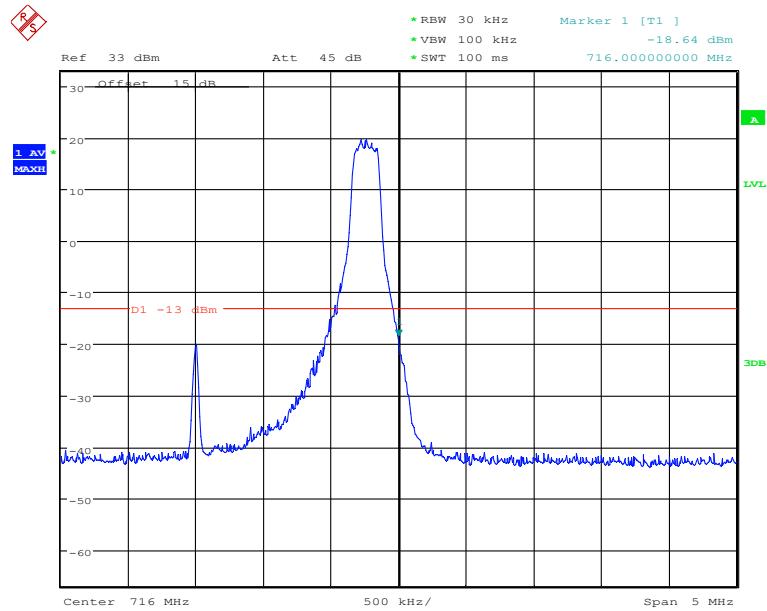


Date: 21.FEB.2020 09:25:01

LTE Band12, 3MHz bandwidth, QPSK,(15,0) Mode , Below 698MHz

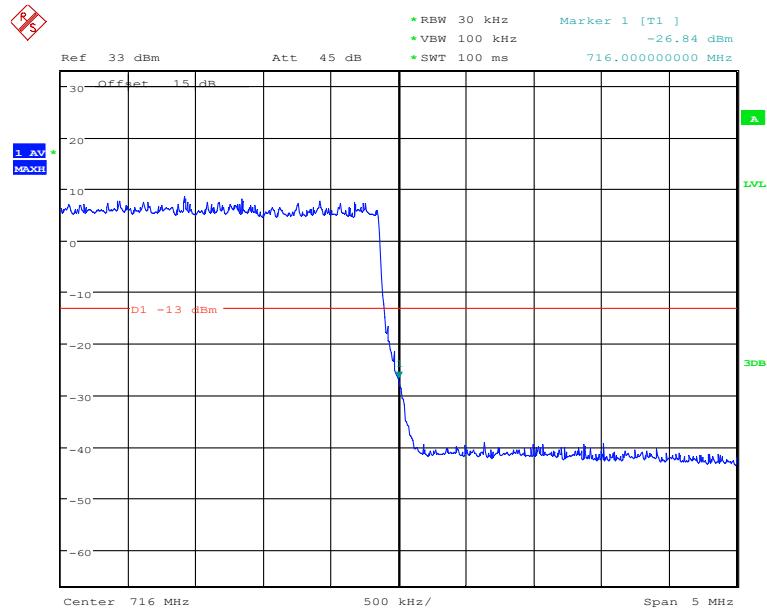
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:26:19

LTE Band12, 3MHz bandwidth, QPSK,(1,15) Mode, Above 716MHz

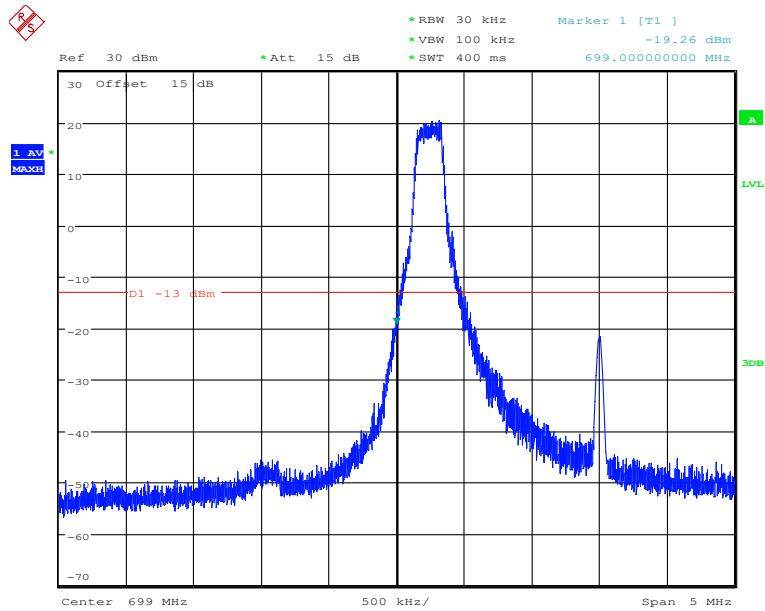


Date: 21.FEB.2020 09:26:45

LTE Band12, 3MHz bandwidth, QPSK,(15,0) Mode, Above 716MHz

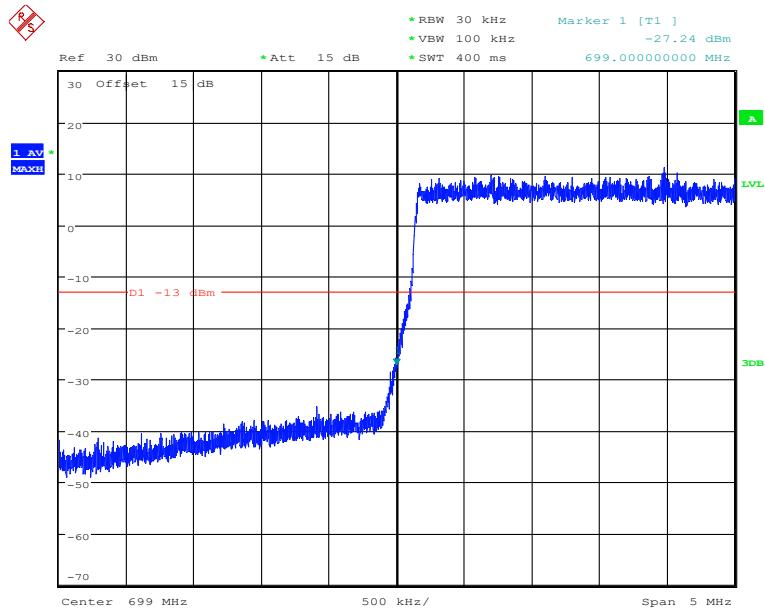
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 06:09:24

LTE Band12, 3MHz bandwidth, 16QAM,(1,0) Mode , Below 698MHz

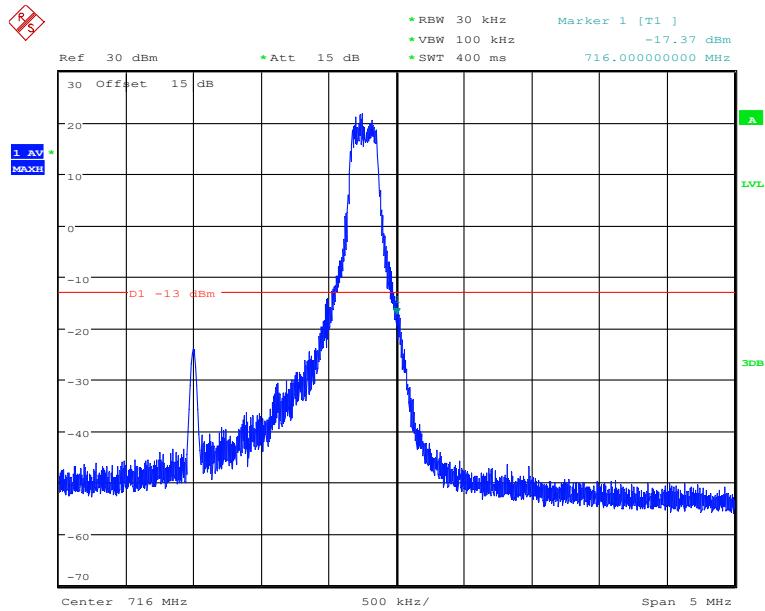


Date: 23.FEB.2020 06:09:48

LTE Band12, 3MHz bandwidth, 16QAM,(15,0) Mode , Below 698MHz

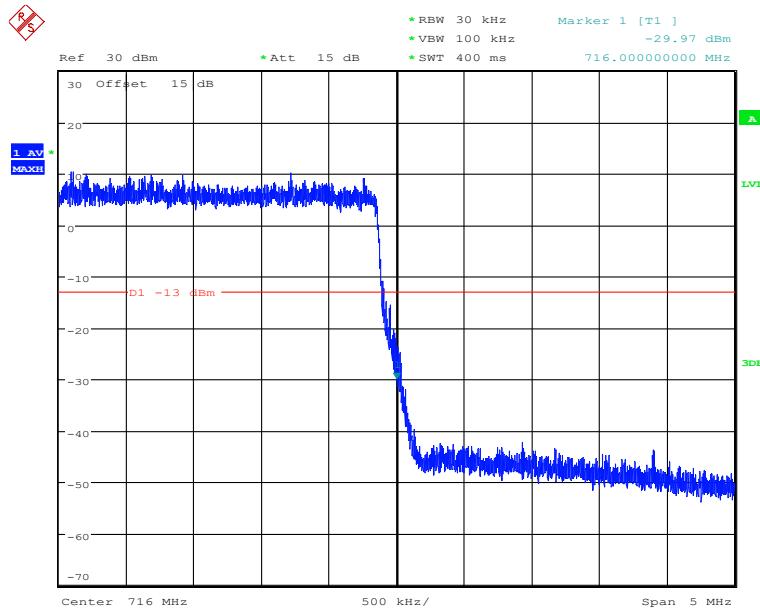
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 05:52:36

LTE Band12, 3MHz bandwidth, 16QAM,(1,15) Mode, Above 716MHz

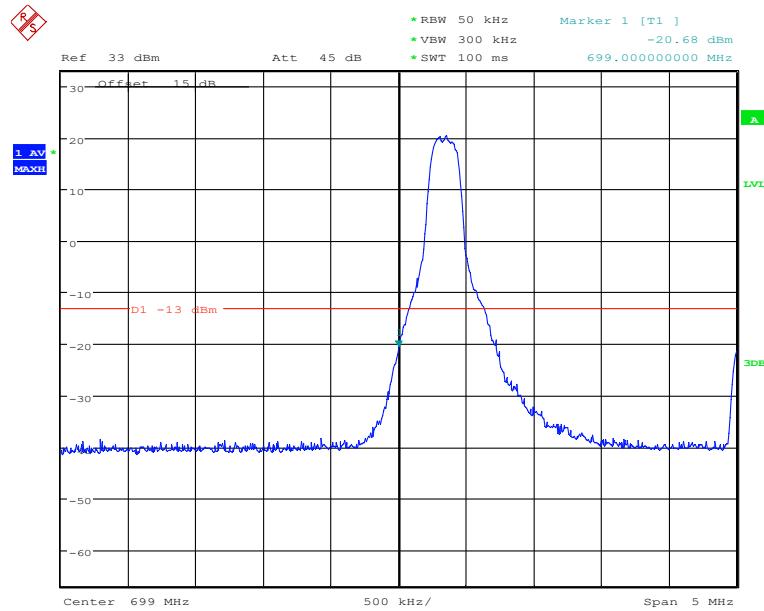


Date: 23.FEB.2020 05:52:54

LTE Band12, 3MHz bandwidth, 16QAM,(15,0) Mode, Above 716MHz

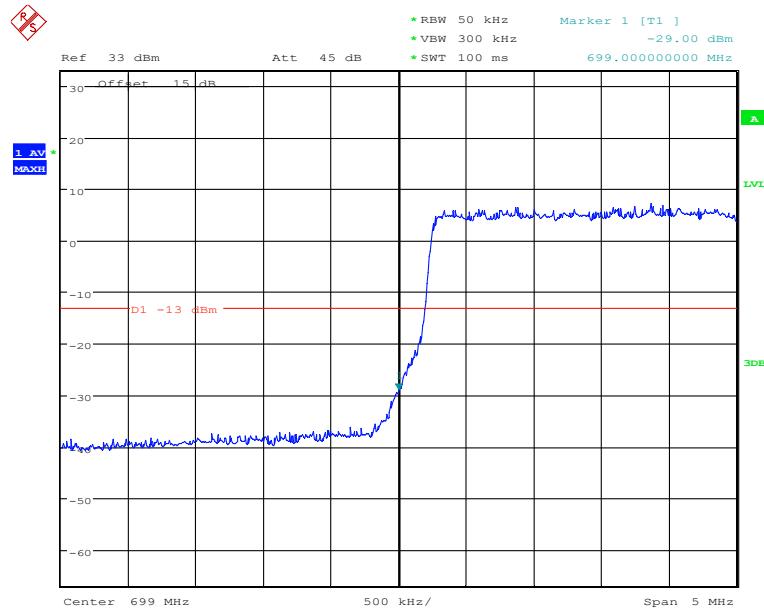
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:29:45

LTE Band12, 5MHz bandwidth, QPSK,(1,0) Mode , Below 698MHz

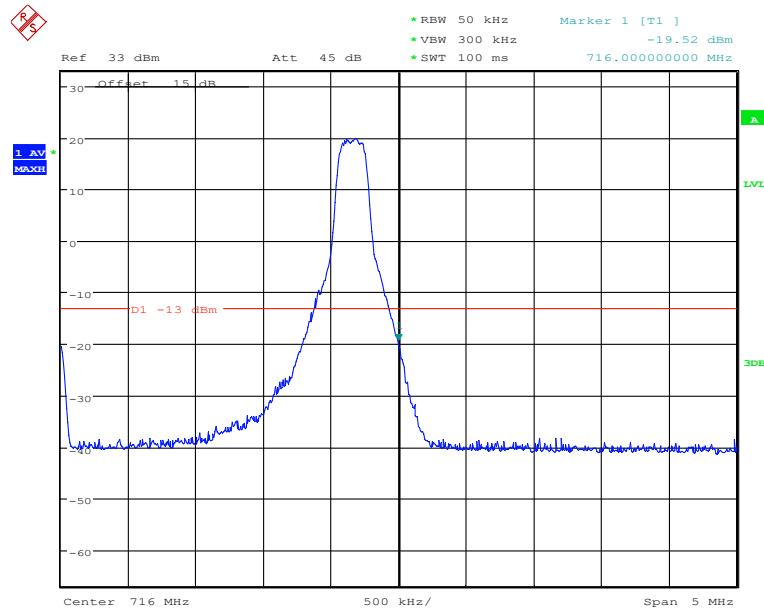


Date: 21.FEB.2020 09:30:03

LTE Band12, 5MHz bandwidth, QPSK,(25,0) Mode , Below 698MHz

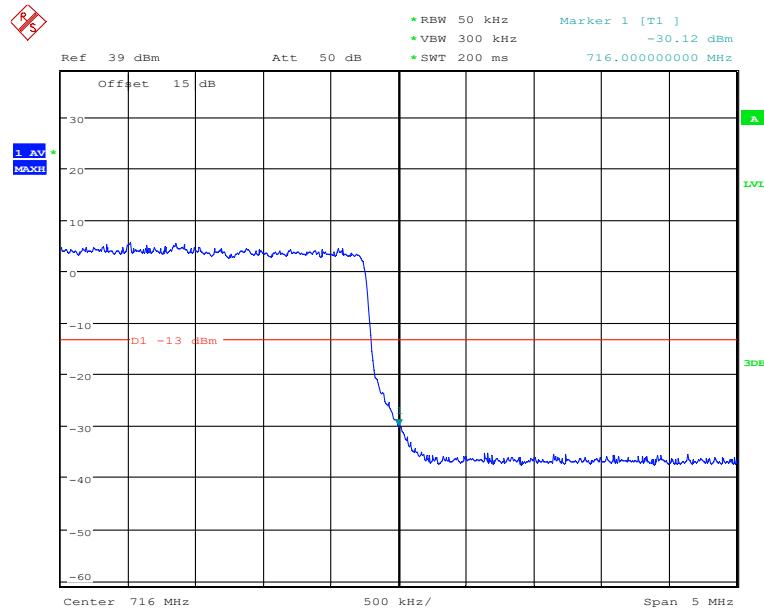
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:31:02

LTE Band12, 5MHz bandwidth, QPSK,(1,25) Mode, Above 716MHz



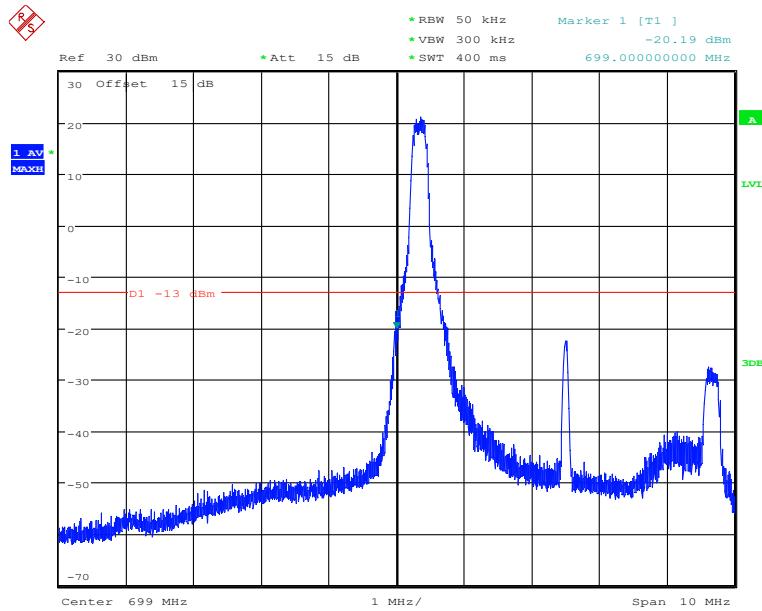
Date: 21.FEB.2020 08:53:30

LTE Band12, 5MHz bandwidth, QPSK,(25,0) Mode, Above 716MHz

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

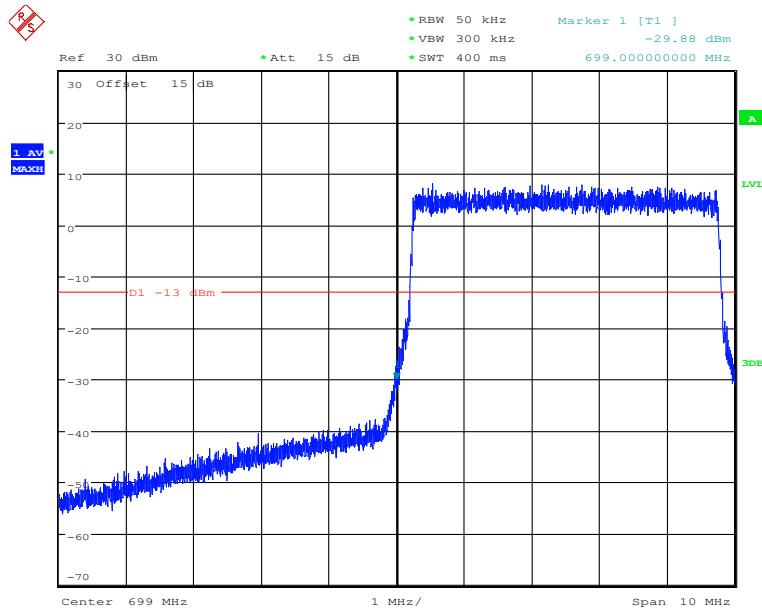
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 06:11:37

LTE Band12, 5MHz bandwidth, 16QAM,(1,0) Mode , Below 698MHz

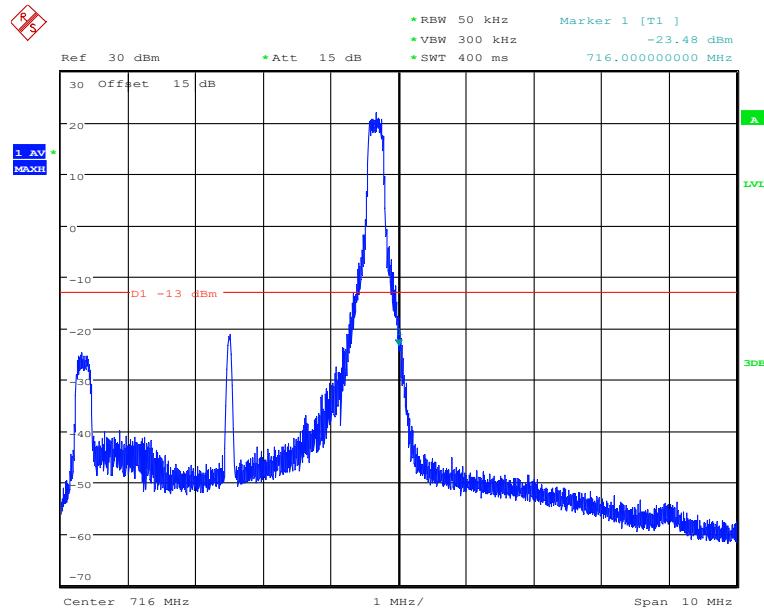


Date: 23.FEB.2020 06:11:55

LTE Band12, 5MHz bandwidth, 16QAM,(25,0) Mode , Below 698MHz

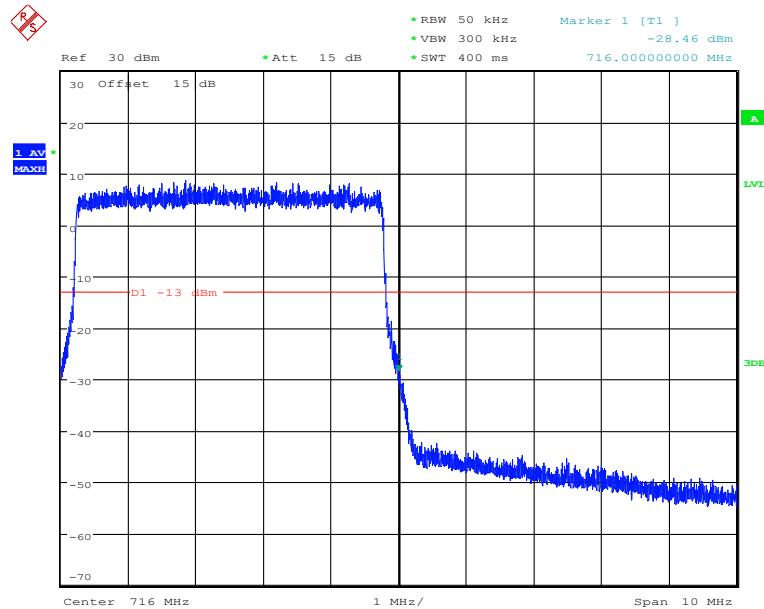
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 06:12:57

LTE Band12, 5MHz bandwidth, 16QAM,(1,25) Mode, Above 716MHz

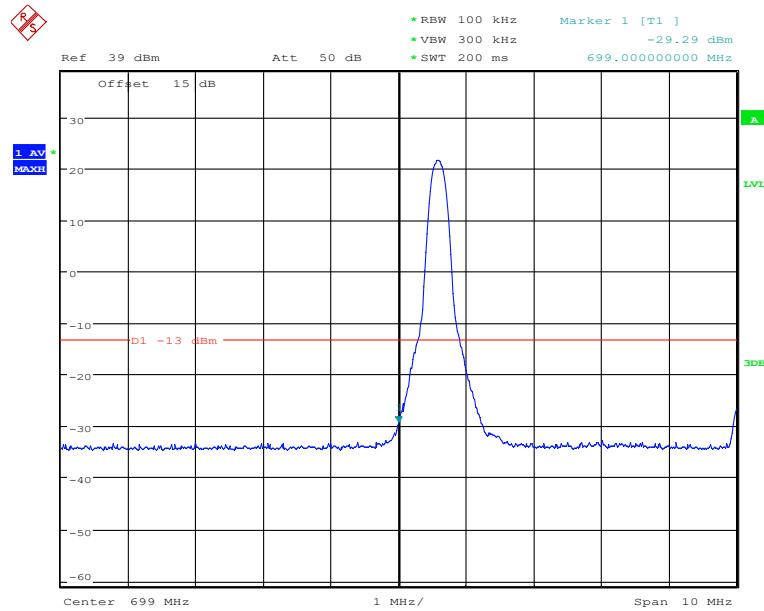


Date: 23.FEB.2020 06:12:40

LTE Band12, 5MHz bandwidth, 16QAM,(25,0) Mode, Above 716MHz

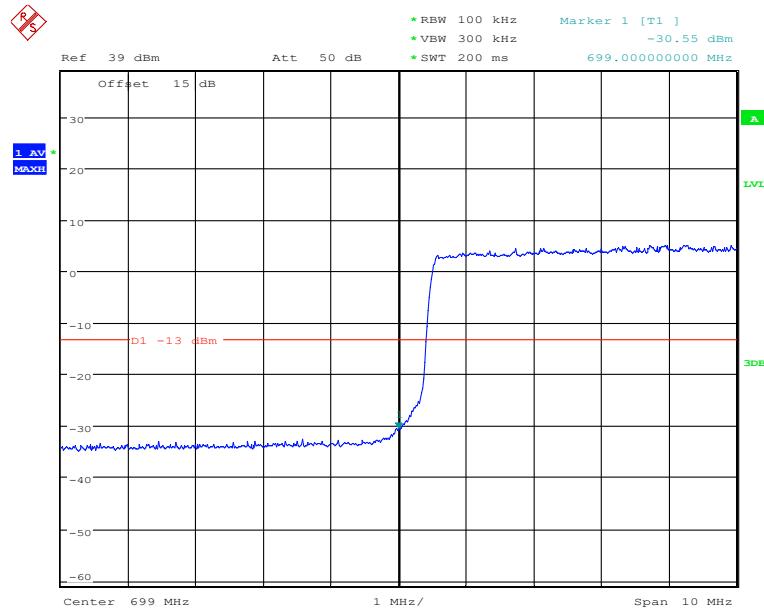
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 08:58:23

LTE Band12, 10MHz bandwidth, QPSK,(1,0) Mode , Below 698MHz

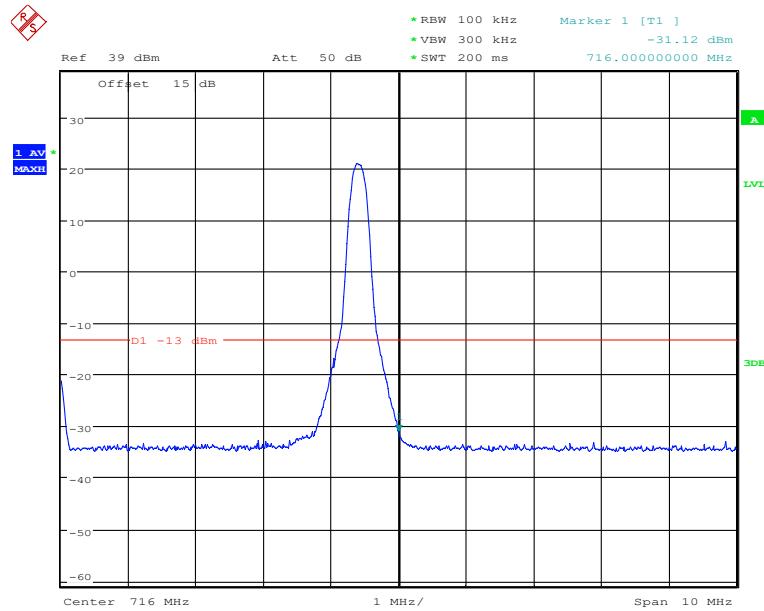


Date: 21.FEB.2020 08:58:48

LTE Band12, 10MHz bandwidth, QPSK,(50,0) Mode , Below 698MHz

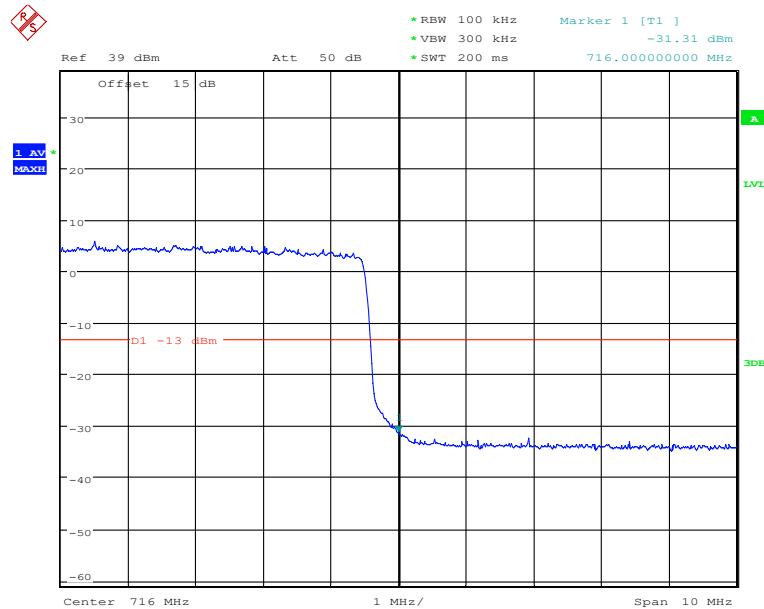
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 08:56:41

LTE Band12, 10MHz bandwidth, QPSK,(1,50) Mode, Above 716MHz

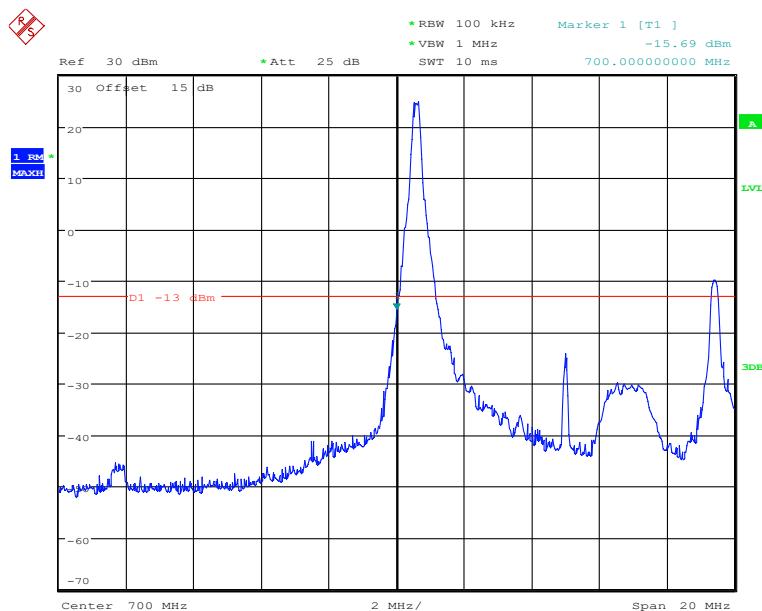


Date: 21.FEB.2020 08:57:01

LTE Band12, 10MHz bandwidth, QPSK,(50,0) Mode, Above 716MHz

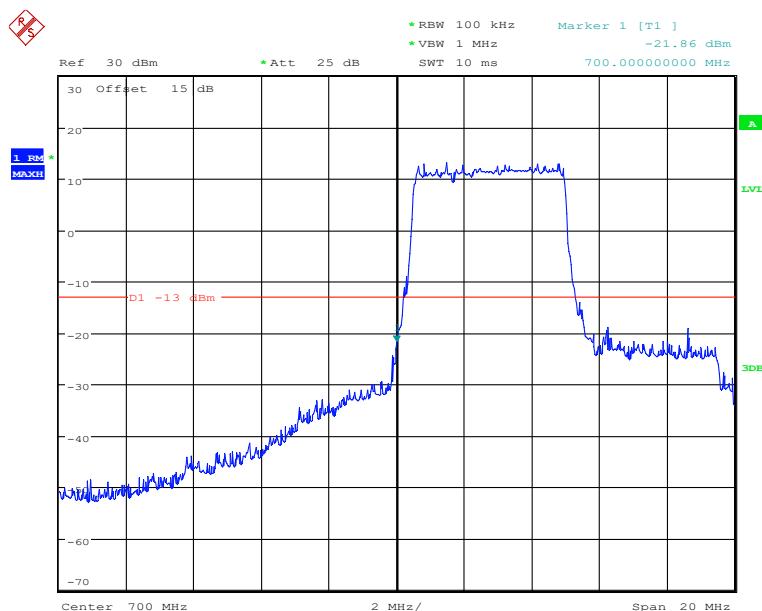
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 02:29:16

LTE Band12, 10MHz bandwidth, 16QAM,(1,0) Mode , Below 698MHz

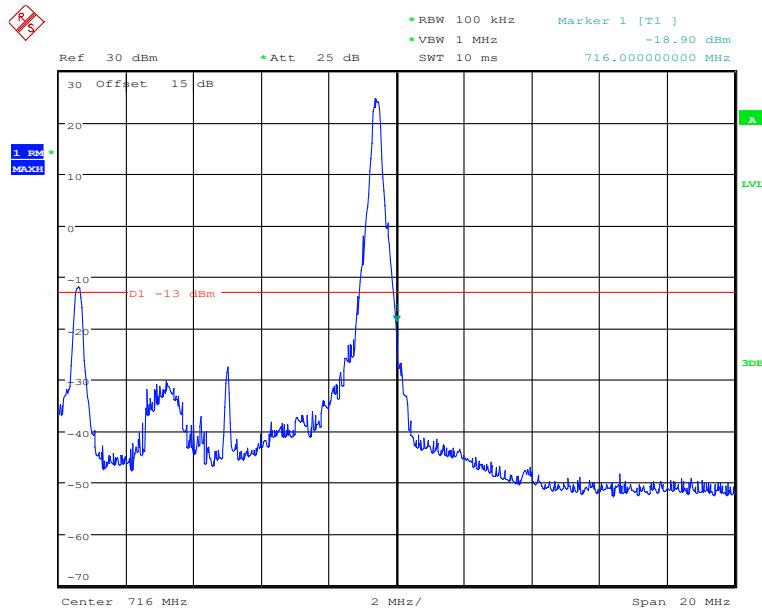


Date: 25.FEB.2020 02:29:39

LTE Band12, 10MHz bandwidth, 16QAM,(50,0) Mode , Below 698MHz

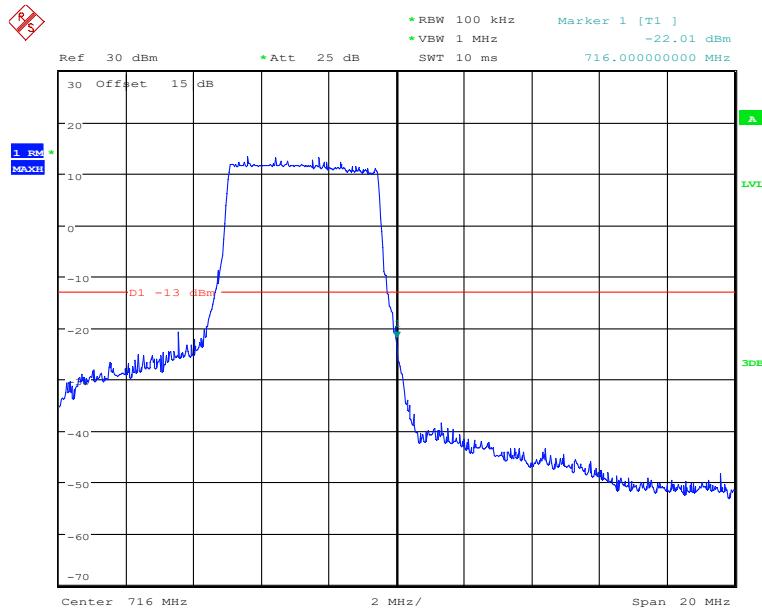
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 02:30:46

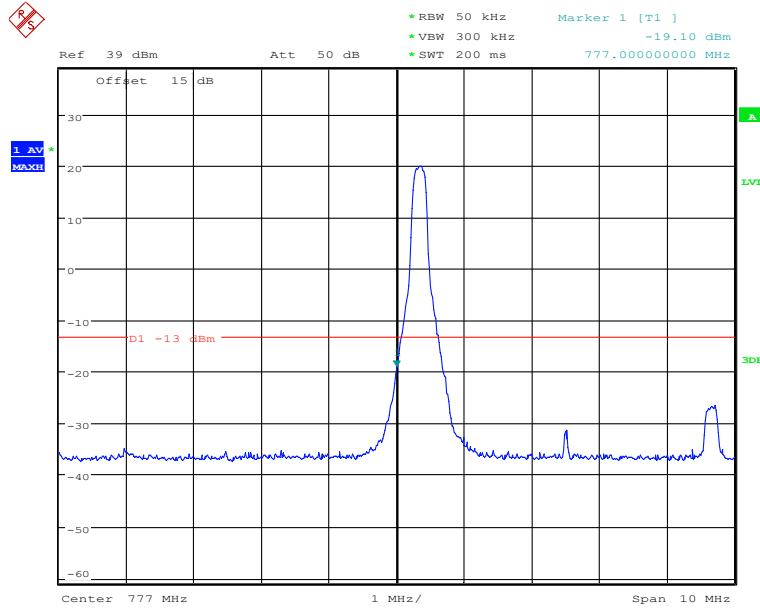
LTE Band12, 10MHz bandwidth, 16QAM,(1,50) Mode, Above 716MHz



Date: 25.FEB.2020 02:30:24

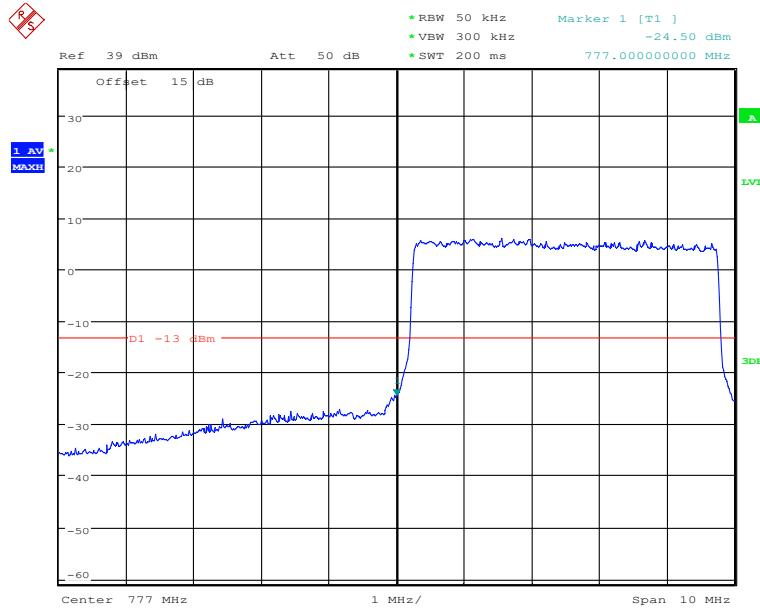
LTE Band12, 10MHz bandwidth, 16QAM,(50,0) Mode, Above 716MHz

### 5.5.8 LTE B13 Band Edge Results



Date: 21.FEB.2020 09:01:42

LTE Band13, 5MHz bandwidth, QPSK,(1,0) Mode , Below 776MHz

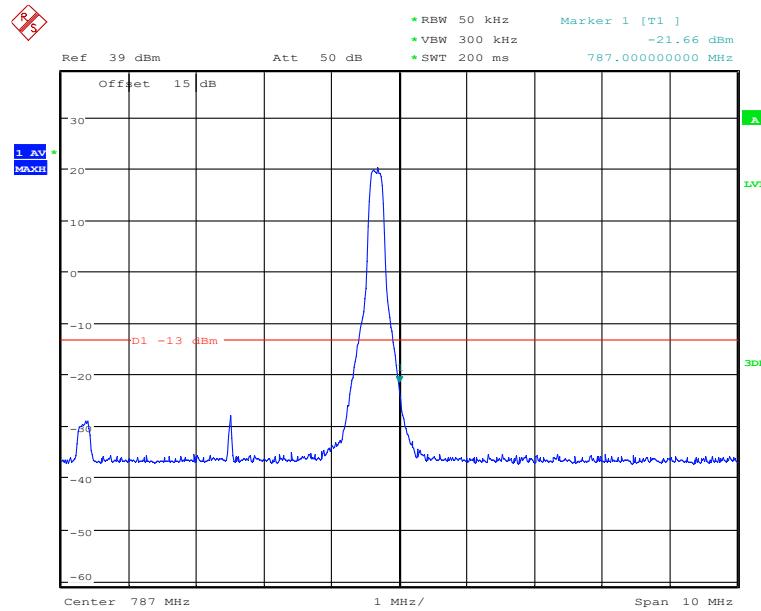


Date: 21.FEB.2020 09:02:32

LTE Band13, 5MHz bandwidth, QPSK,(25,0) Mode , Below 776MHz

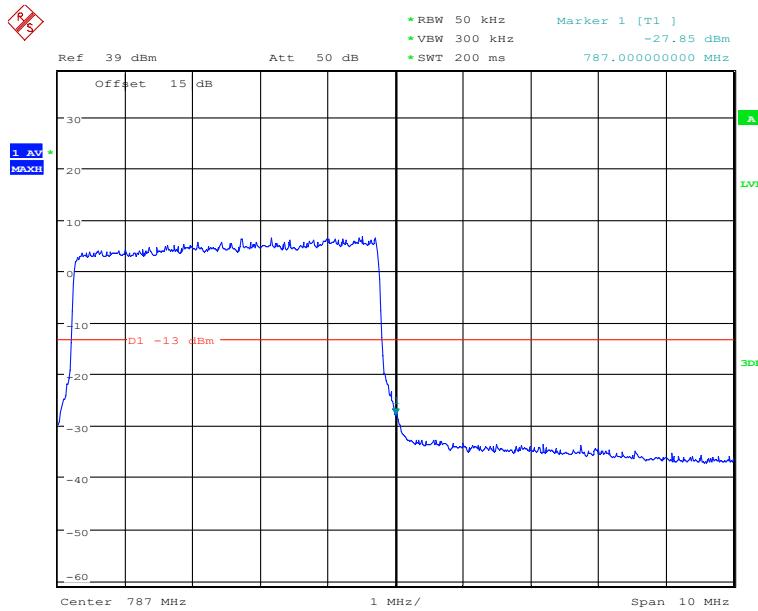
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:03:57

LTE Band13, 5MHz bandwidth, QPSK,(1,25) Mode, Above 788MHz



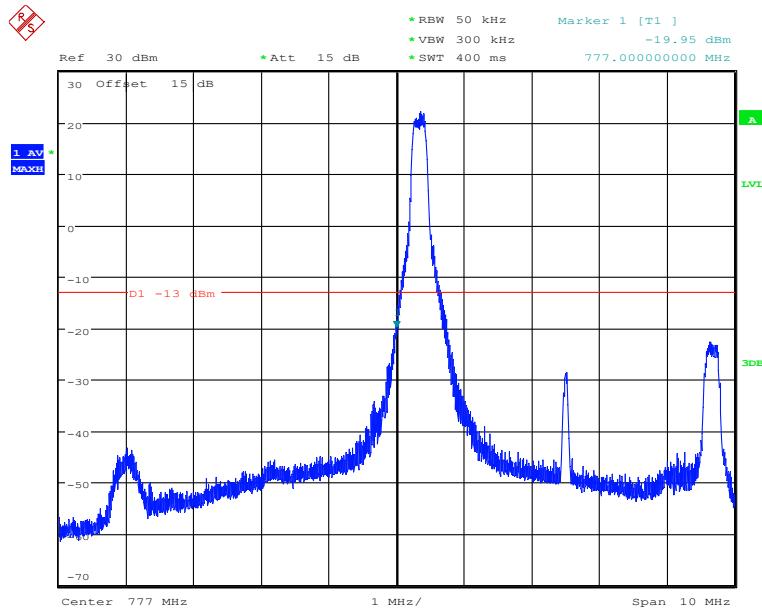
Date: 21.FEB.2020 09:04:21

LTE Band13, 5MHz bandwidth, QPSK,(25,0) Mode, Above 788MHz

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

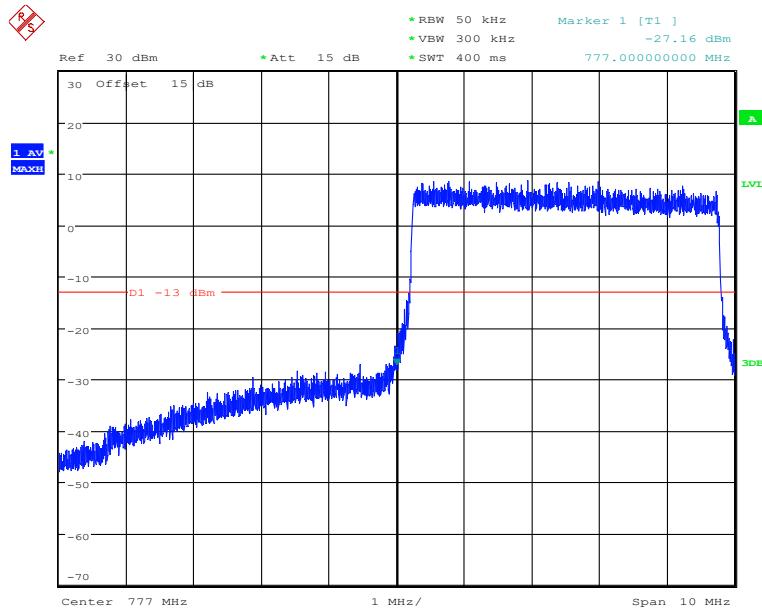
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 06:14:47

LTE Band13, 5MHz bandwidth, 16QAM,(1,0) Mode , Below 776MHz

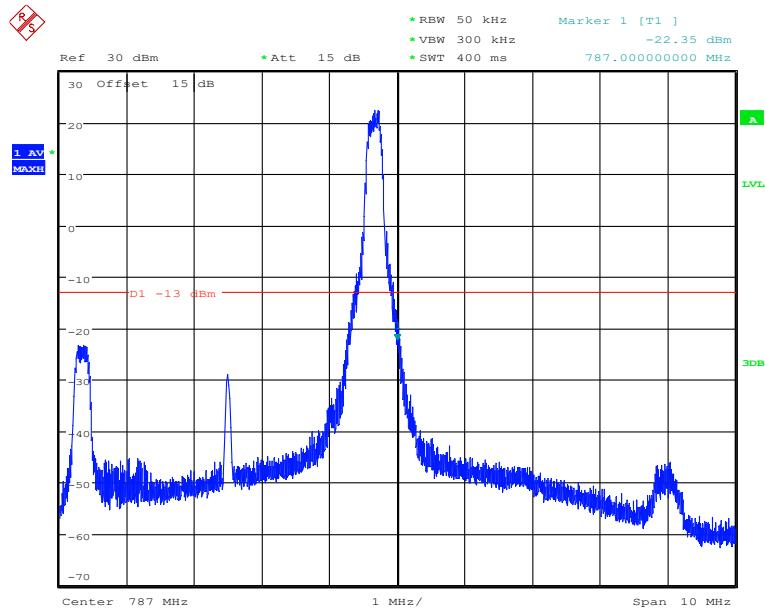


Date: 23.FEB.2020 06:14:59

LTE Band13, 5MHz bandwidth, 16QAM,(25,0) Mode , Below 776MHz

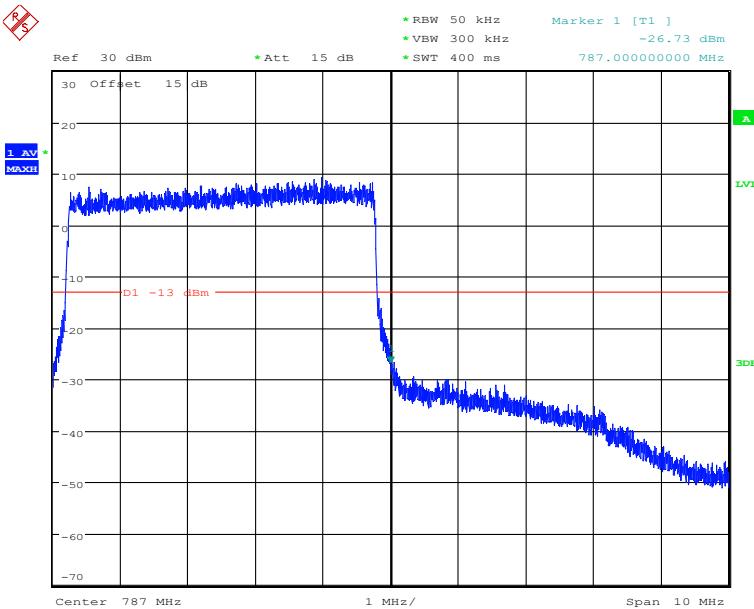
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 06:17:28

LTE Band13, 5MHz bandwidth, 16QAM,(1,25) Mode, Above 788MHz

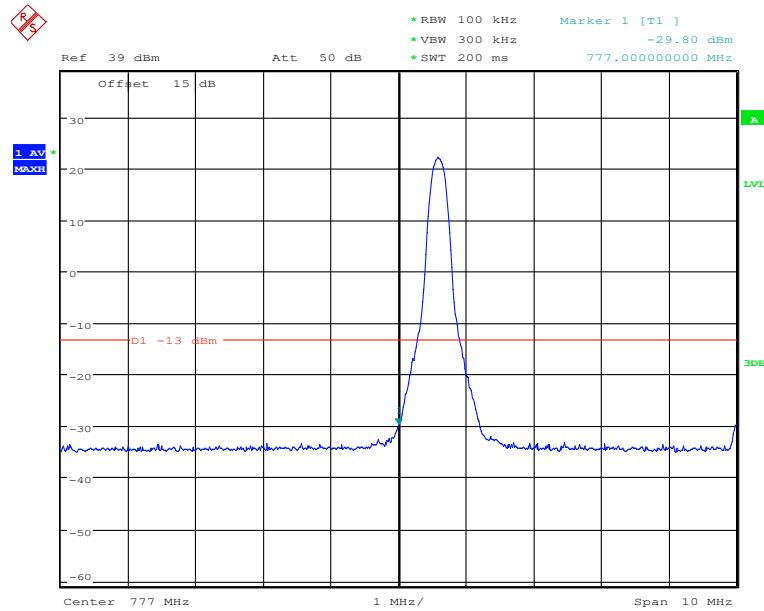


Date: 23.FEB.2020 06:17:07

LTE Band13, 5MHz bandwidth, 16QAM,(25,0) Mode, Above 788MHz

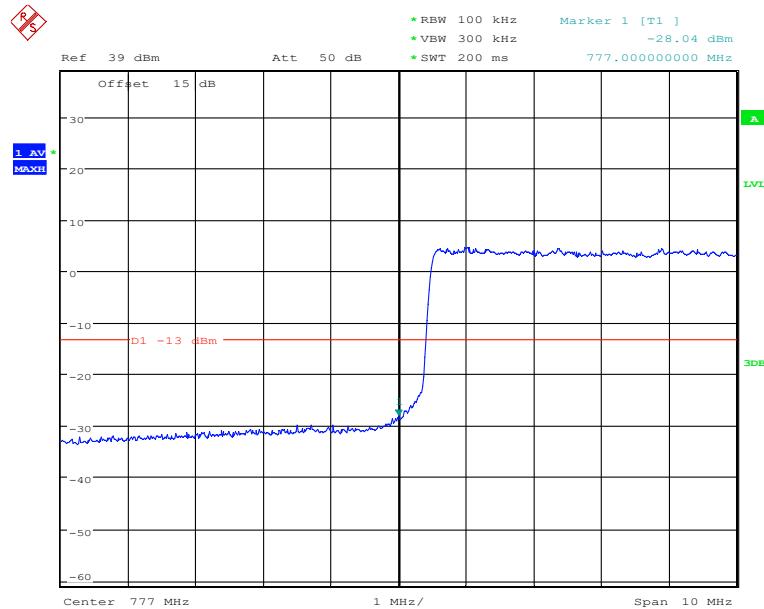
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:09:24

LTE Band13, 10MHz bandwidth, QPSK,(1,0) Mode , Below 776MHz

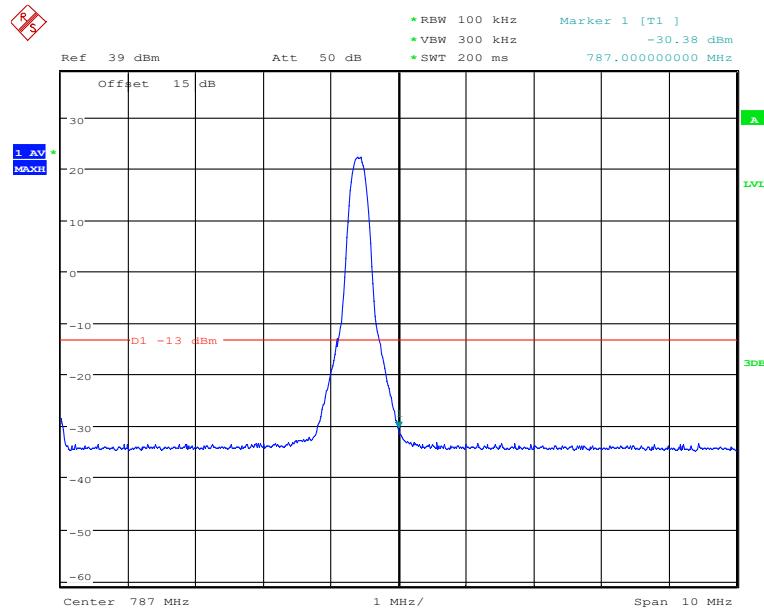


Date: 21.FEB.2020 09:09:40

LTE Band13, 10MHz bandwidth, QPSK,(50,0) Mode , Below 776MHz

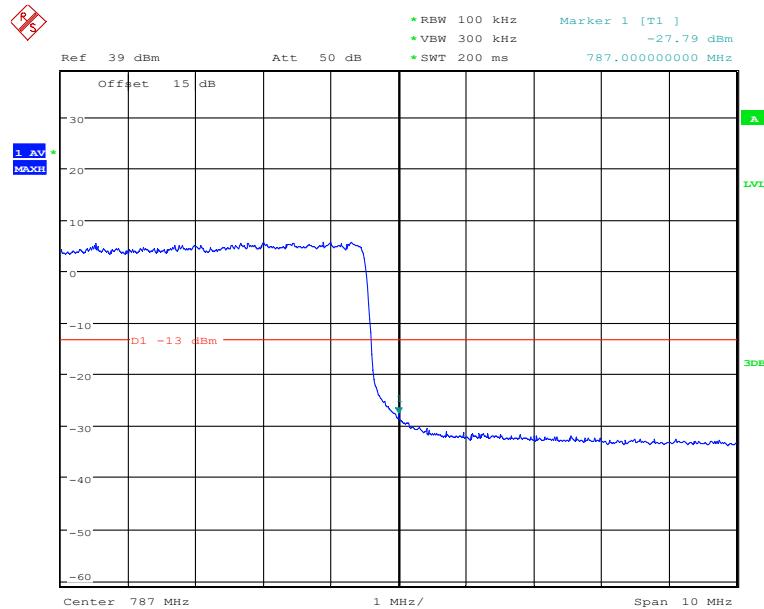
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:06:07

LTE Band13, 10MHz bandwidth, QPSK,(1,50) Mode, Above 788MHz

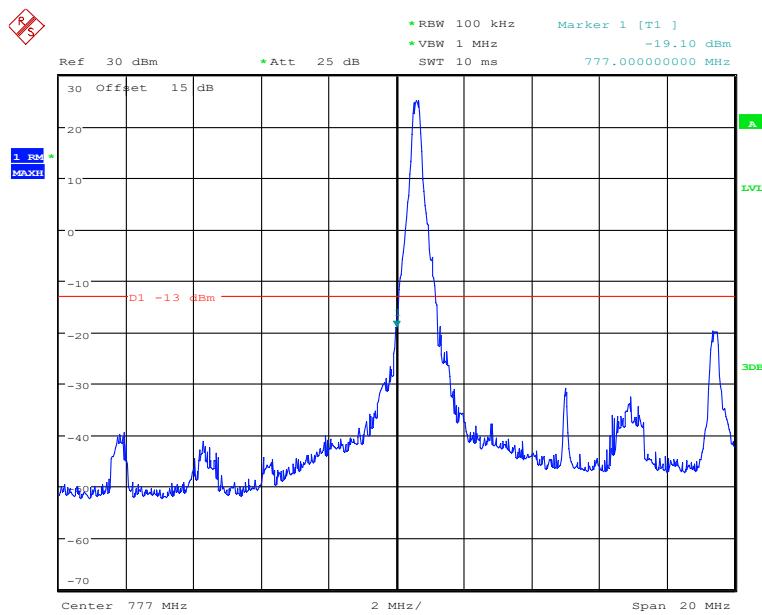


Date: 21.FEB.2020 09:06:29

LTE Band13, 10MHz bandwidth, QPSK,(50,0) Mode, Above 788MHz

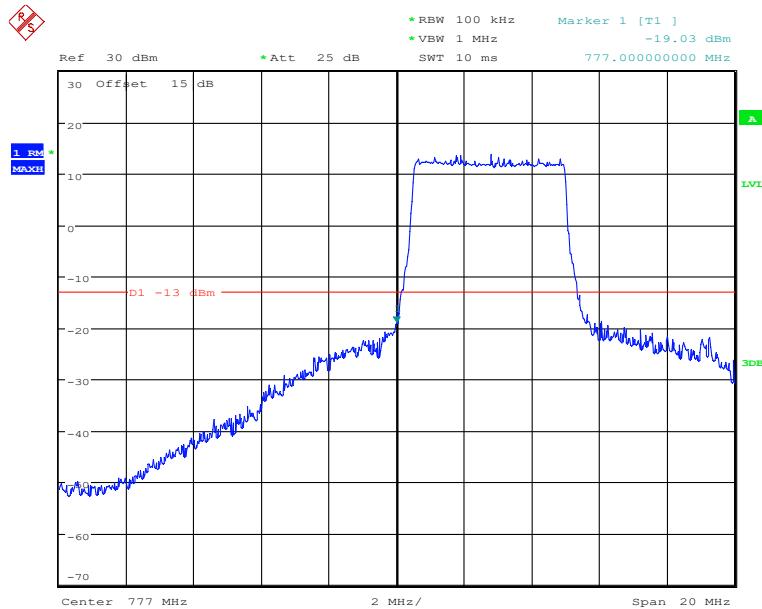
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 02:33:16

LTE Band13, 10MHz bandwidth, 16QAM,(1,0) Mode , Below 776MHz

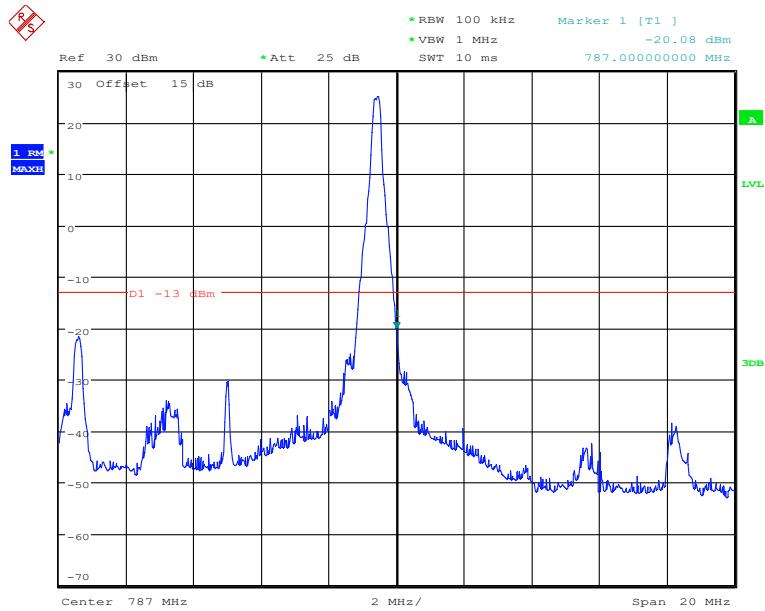


Date: 25.FEB.2020 02:32:51

LTE Band13, 10MHz bandwidth, 16QAM,(50,0) Mode , Below 776MHz

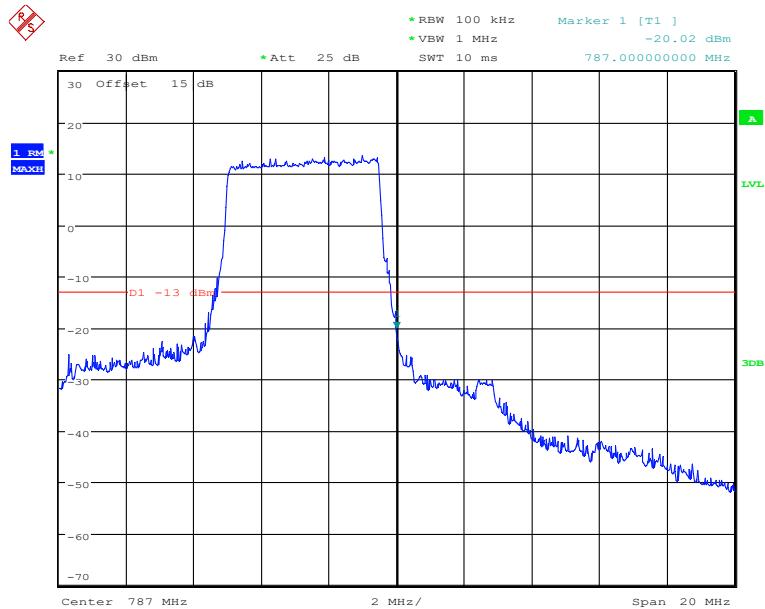
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 02:31:34

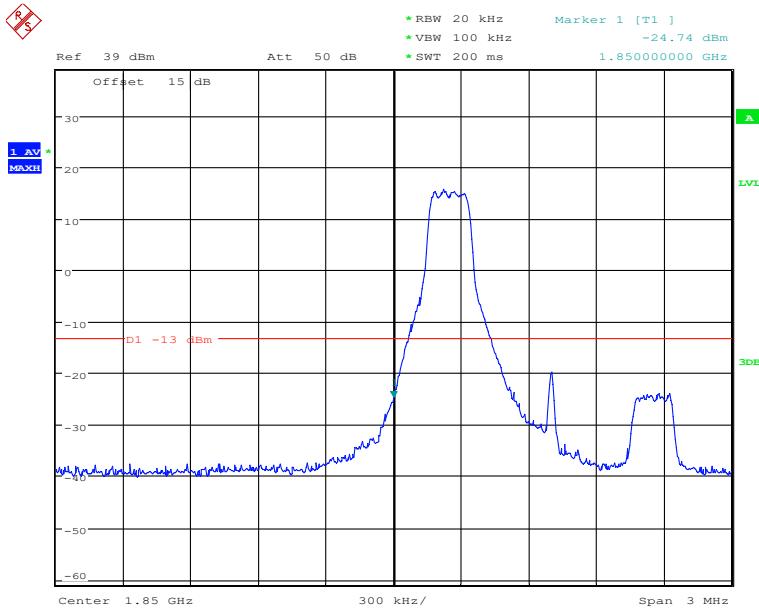
LTE Band13, 10MHz bandwidth, 16QAM,(1,50) Mode, Above 788MHz



Date: 25.FEB.2020 02:32:01

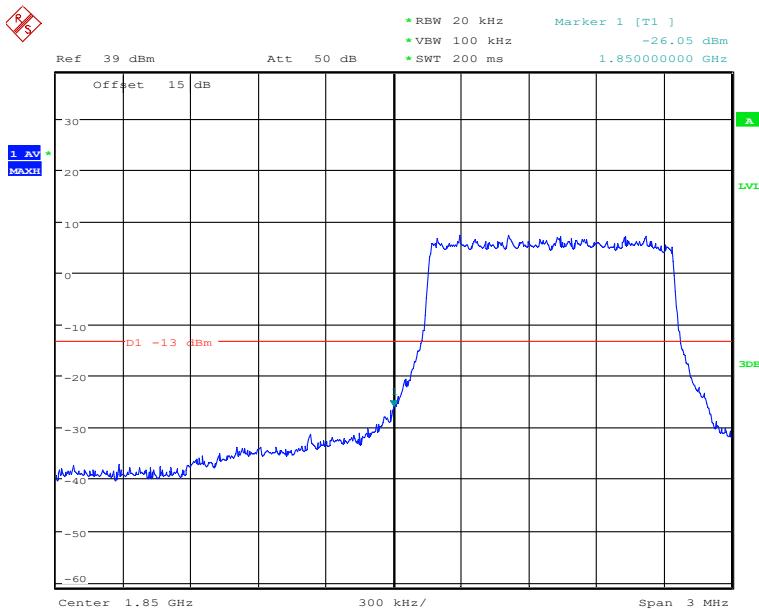
LTE Band13, 10MHz bandwidth, 16QAM,(50,0) Mode, Above 788MHz

### 5.5.9 LTE B25 Band Edge Results



Date: 21.FEB.2020 09:13:01

LTE Band25, 1.4MHz bandwidth, QPSK,(1,0) Mode , Below 1850MHz

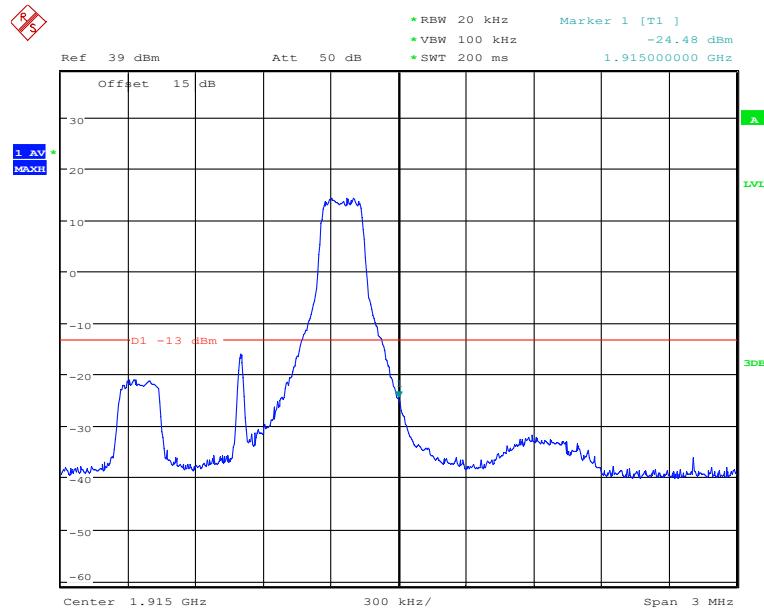


Date: 21.FEB.2020 09:13:20

LTE Band25, 1.4MHz bandwidth, QPSK,(6,0) Mode , Below 1850MHz

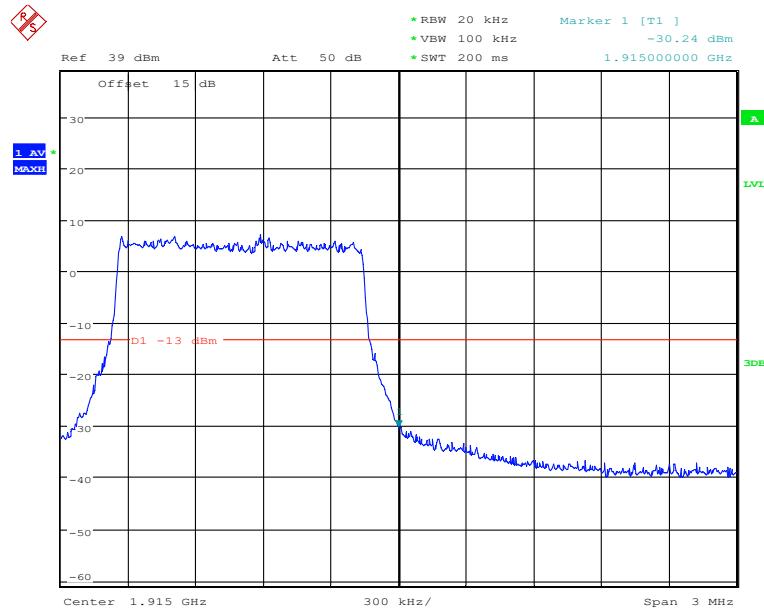
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:14:55

LTE Band25, 1.4MHz bandwidth, QPSK,(1,6) Mode, Above 1915MHz



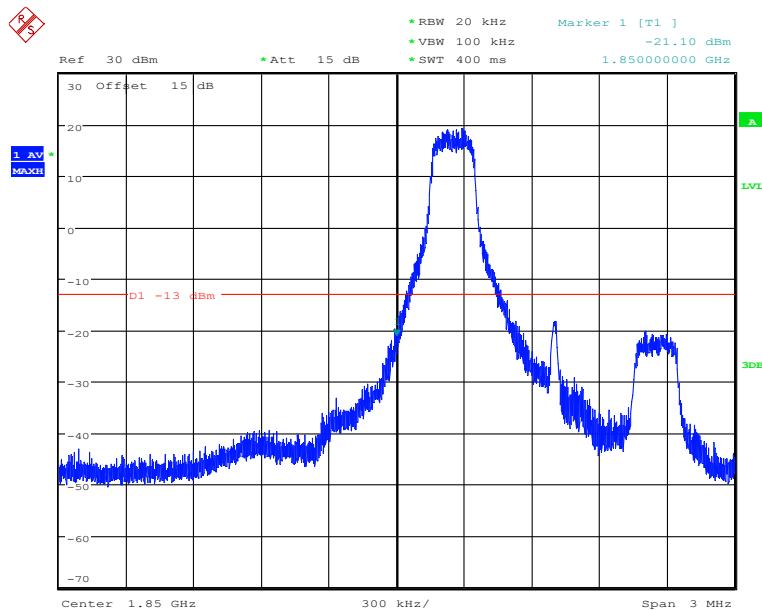
Date: 21.FEB.2020 09:15:14

LTE Band25, 1.4MHz bandwidth, QPSK,(6,0) Mode, Above 1915MHz

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

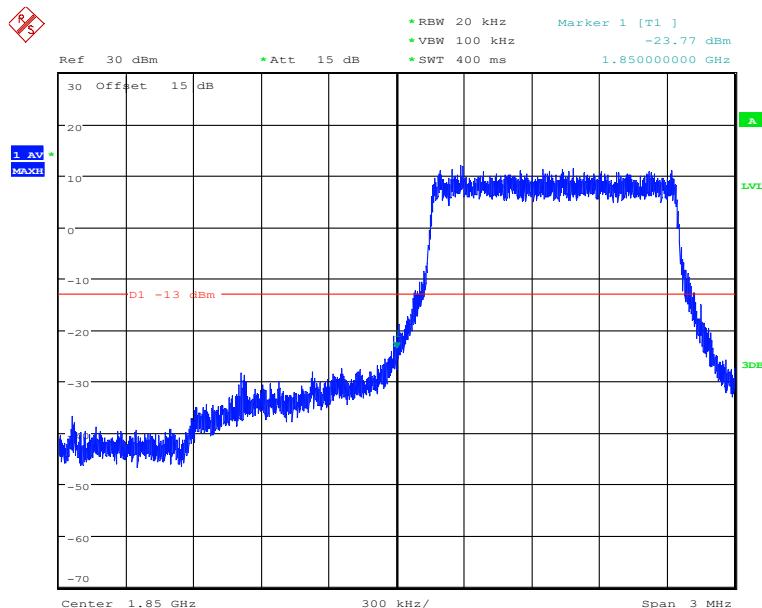
Chongqing Academy of Information and Communications Technology

# **Report No.:B19W50598-WWAN\_Rev1**



Date: 23.FEB.2020 06:18:55

LTE Band25, 1.4MHz bandwidth, 16QAM,(1,0) Mode , Below 1850MHz



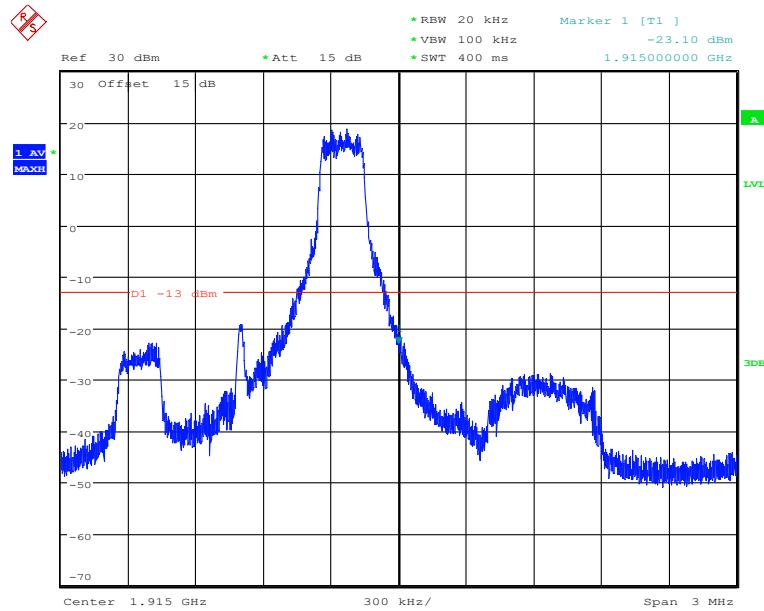
Date: 23.FEB.2020 06:19:10

LTE Band25, 1.4MHz bandwidth, 16QAM,(6,0) Mode , Below 1850MHz

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

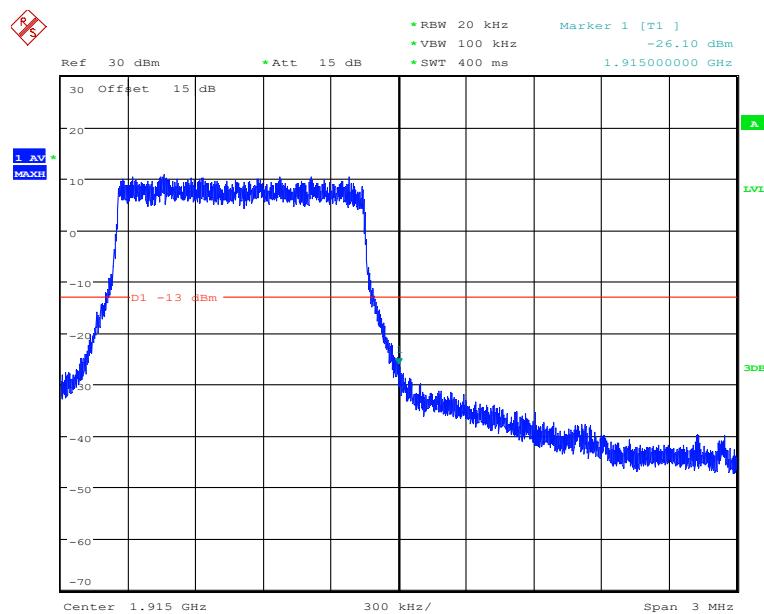
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 06:20:06

LTE Band25, 1.4MHz bandwidth, 16QAM,(1,6) Mode, Above 1915MHz



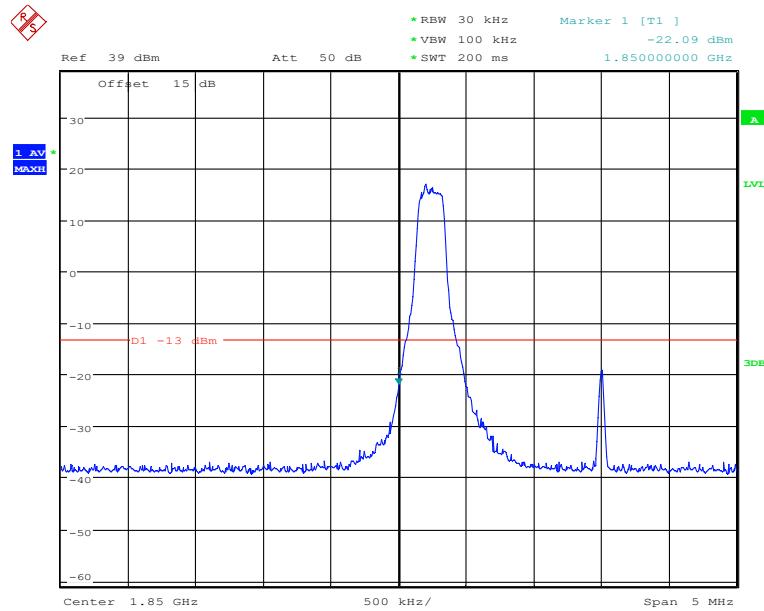
Date: 23.FEB.2020 06:19:43

LTE Band25, 1.4MHz bandwidth, 16QAM,(6,0) Mode, Above 1915MHz

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

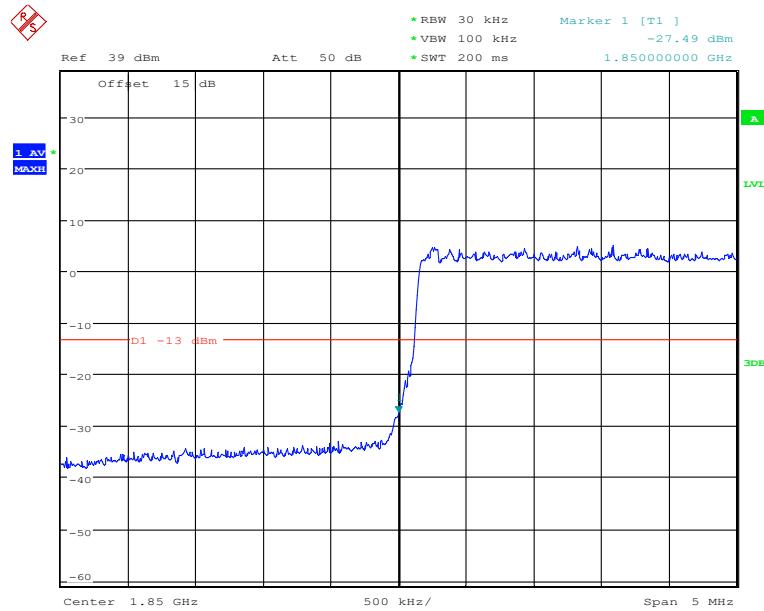
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:19:27

LTE Band25, 3MHz bandwidth, QPSK,(1,0) Mode , Below 1850MHz

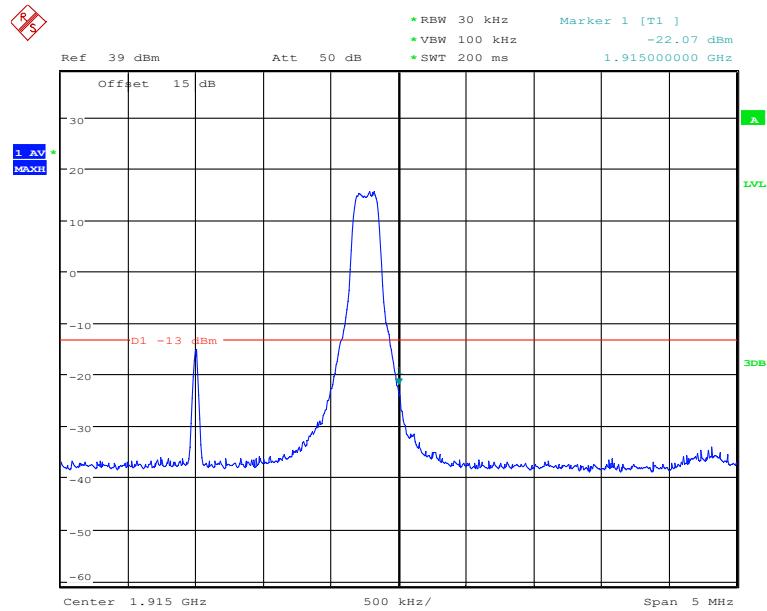


Date: 21.FEB.2020 09:19:44

LTE Band25, 3MHz bandwidth, QPSK,(15,0) Mode , Below 1850MHz

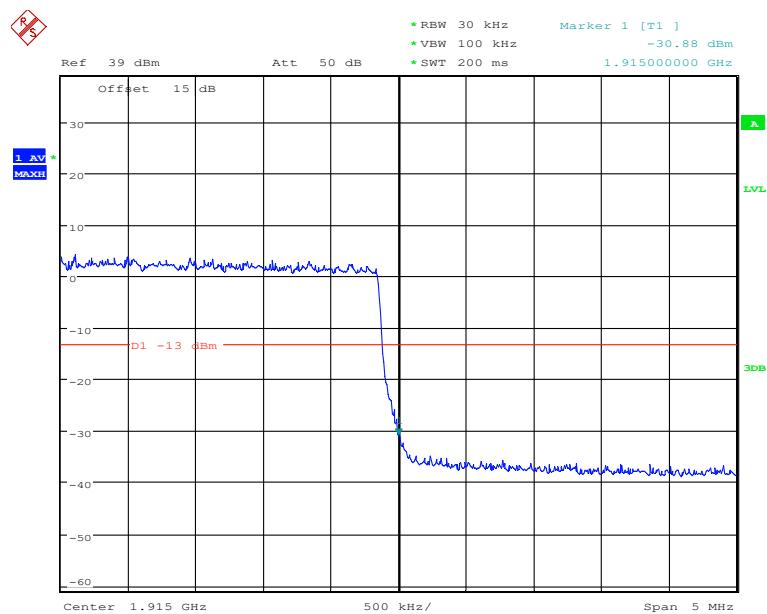
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:18:13

LTE Band25, 3MHz bandwidth, QPSK,(1,15) Mode, Above 1915MHz



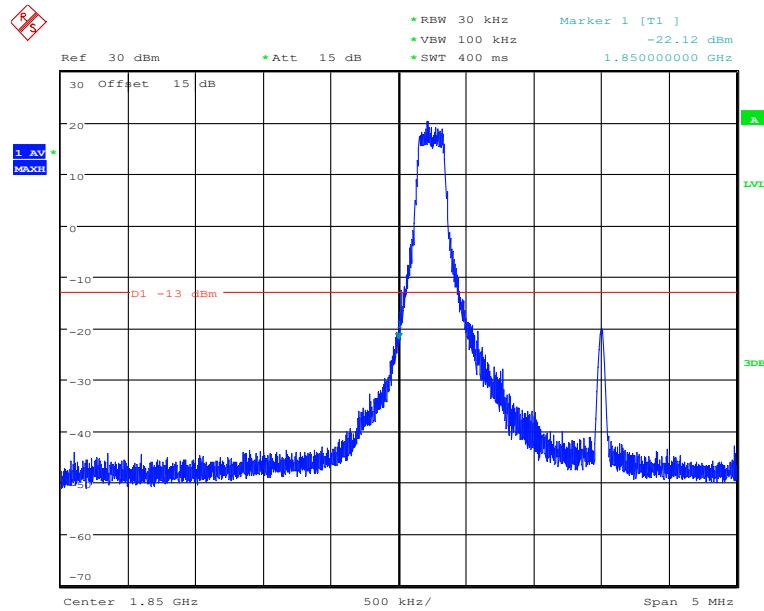
Date: 21.FEB.2020 09:18:28

LTE Band25, 3MHz bandwidth, QPSK,(15,0) Mode, Above 1915MHz

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

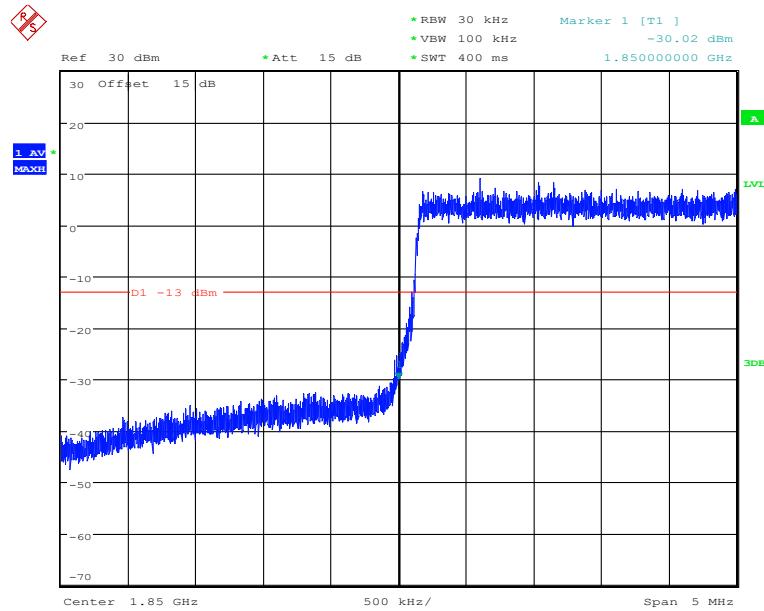
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 06:22:20

LTE Band25, 3MHz bandwidth, 16QAM,(1,0) Mode , Below 1850MHz

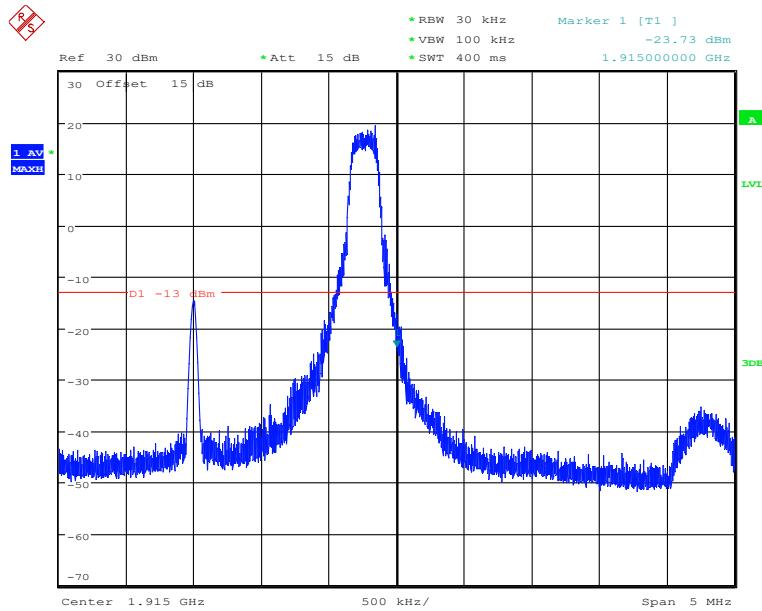


Date: 23.FEB.2020 06:22:32

LTE Band25, 3MHz bandwidth, 16QAM,(15,0) Mode , Below 1850MHz

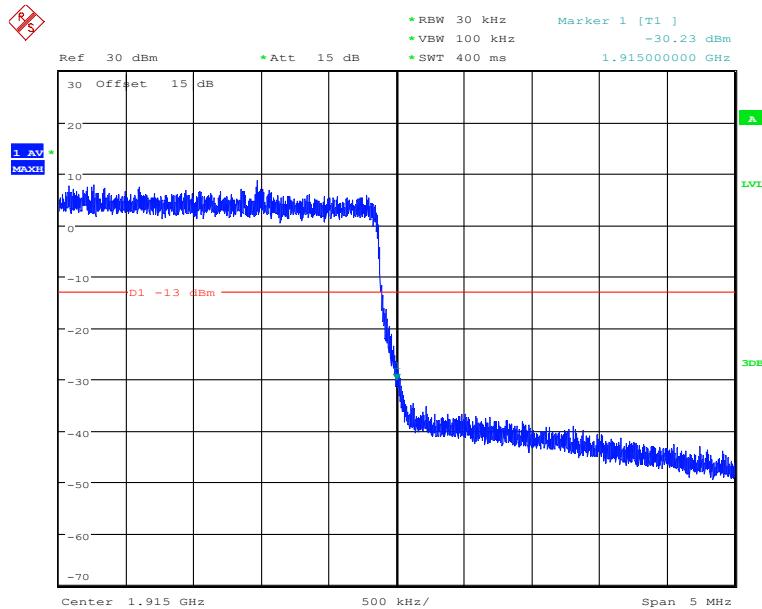
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 06:23:26

LTE Band25, 3MHz bandwidth, 16QAM,(1,15) Mode, Above 1915MHz

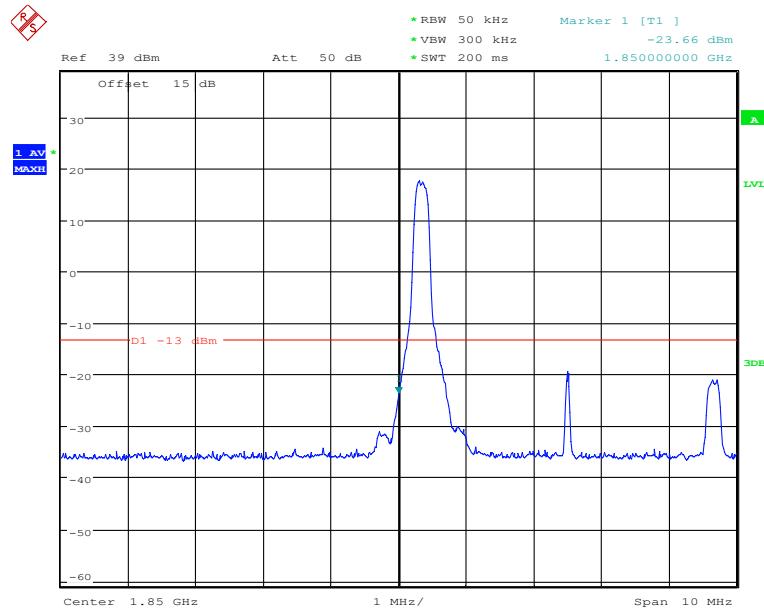


Date: 23.FEB.2020 06:23:08

LTE Band25, 3MHz bandwidth, 16QAM,(15,0) Mode, Above 1915MHz

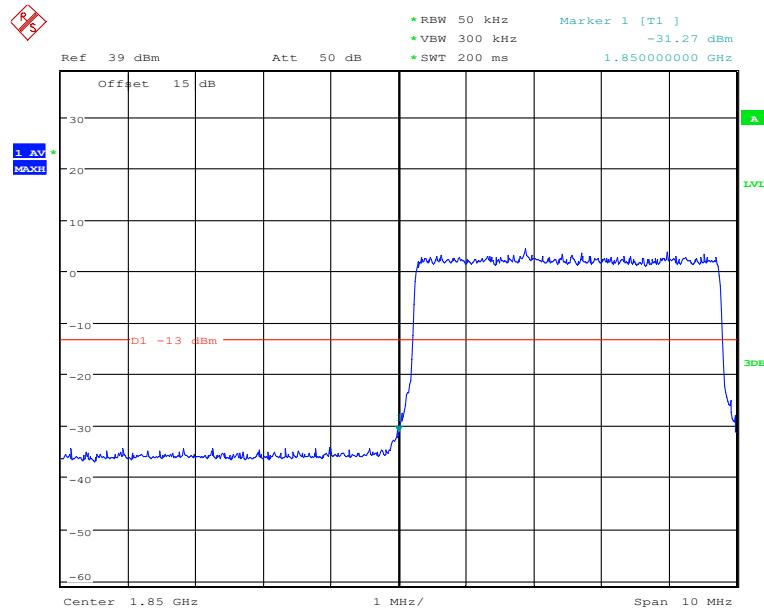
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:21:43

LTE Band25, 5MHz bandwidth, QPSK,(1,0) Mode , Below 1850MHz

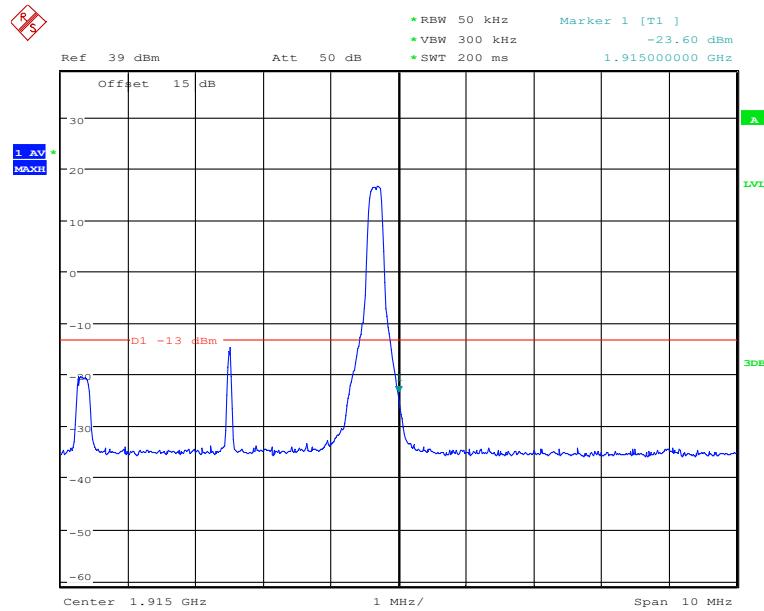


Date: 21.FEB.2020 09:22:00

LTE Band25, 5MHz bandwidth, QPSK,(25,0) Mode , Below 1850MHz

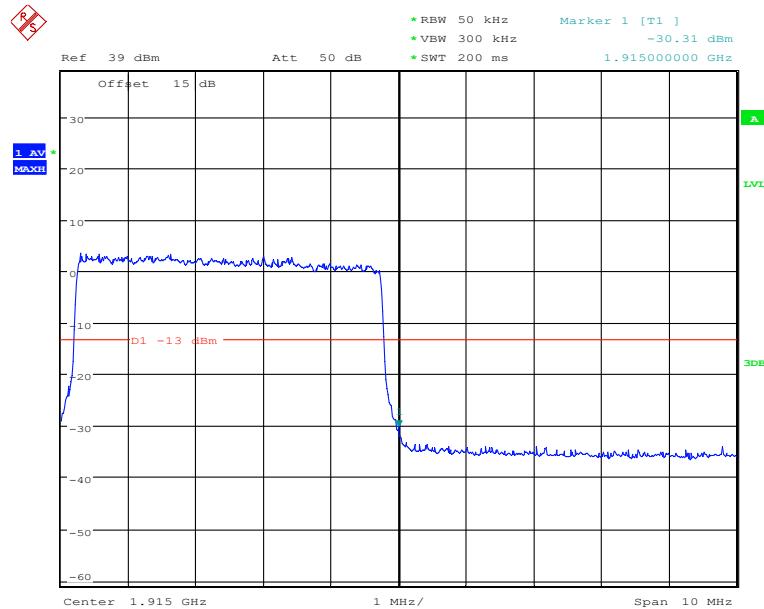
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:23:20

LTE Band25, 5MHz bandwidth, QPSK,(1,25) Mode, Above 1915MHz



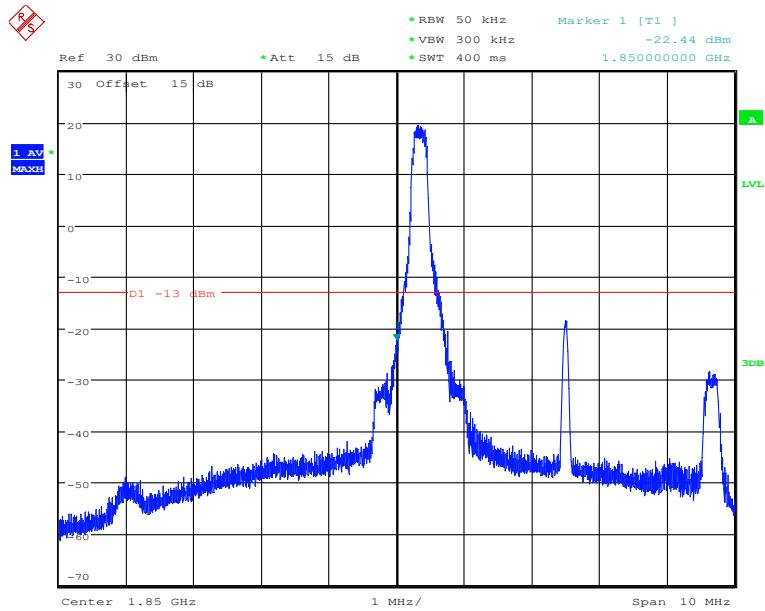
Date: 21.FEB.2020 09:23:40

LTE Band25, 5MHz bandwidth, QPSK,(25,0) Mode, Above 1915MHz

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

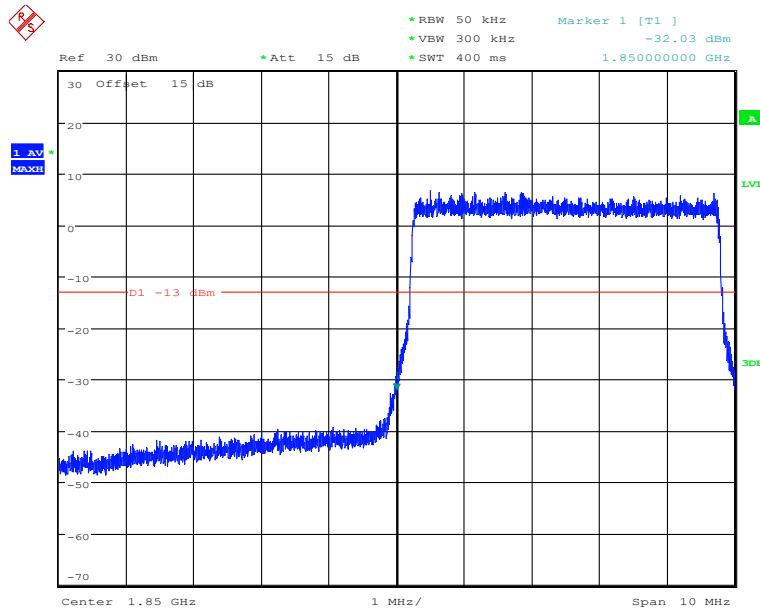
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 06:27:06

LTE Band25, 5MHz bandwidth, 16QAM,(1,0) Mode , Below 1850MHz

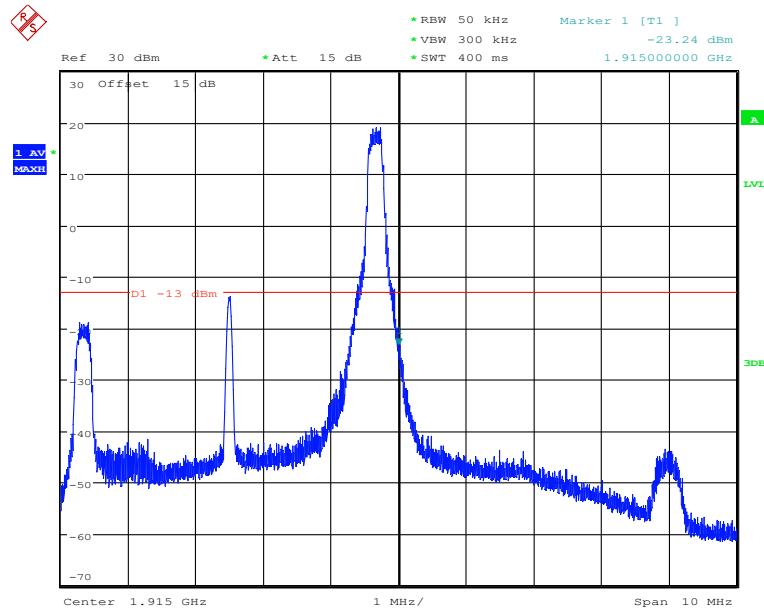


Date: 23.FEB.2020 06:26:52

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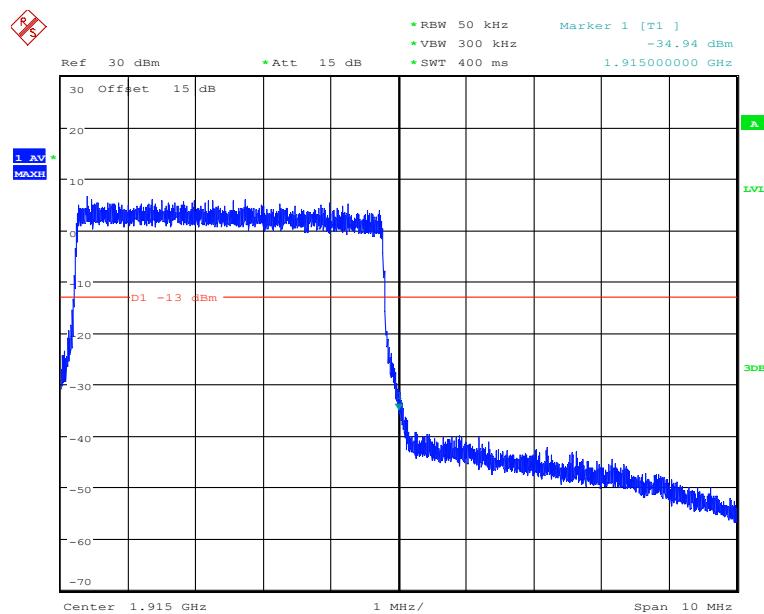
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 06:25:48

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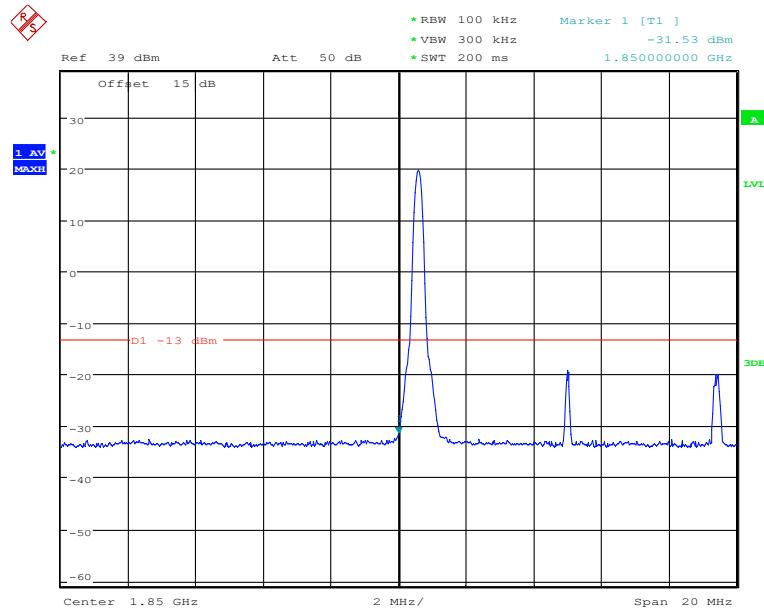


Date: 23.FEB.2020 06:26:04

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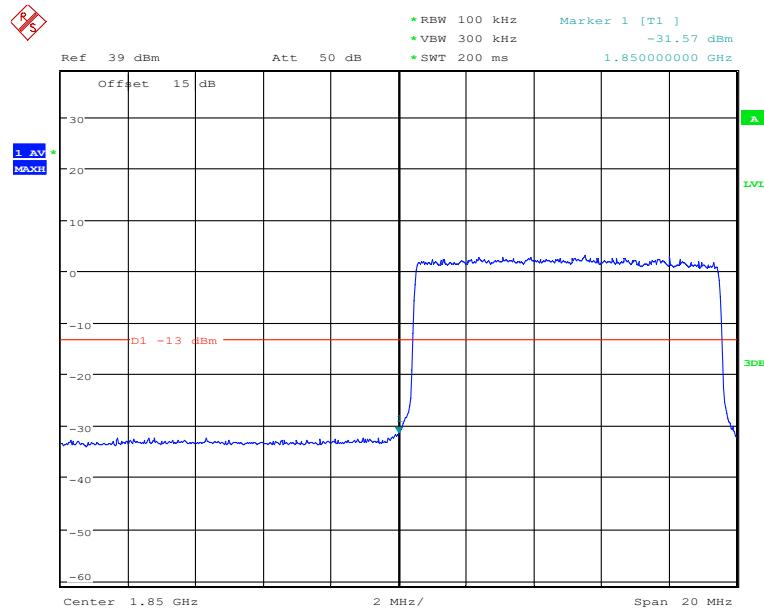
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:33:41

LTE Band25, 10MHz bandwidth, QPSK,(1,0) Mode , Below 1850MHz

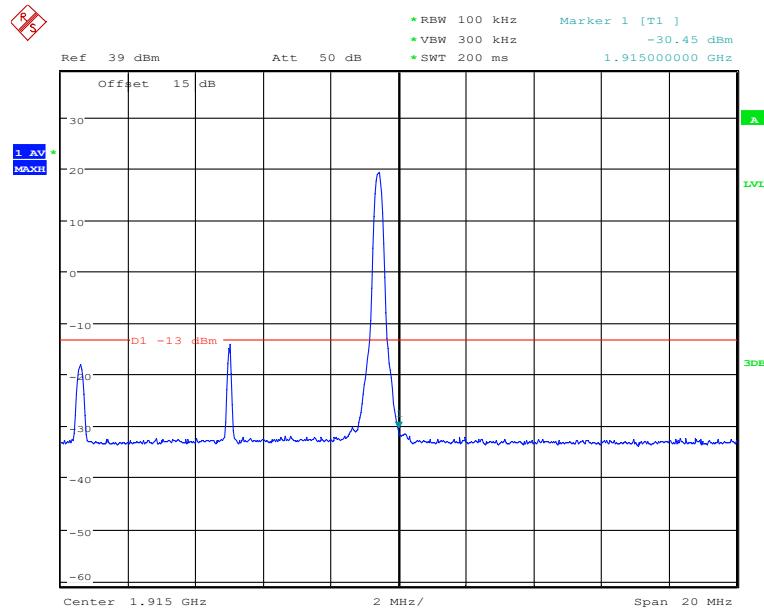


Date: 21.FEB.2020 09:34:00

LTE Band25, 10MHz bandwidth, QPSK,(50,0) Mode , Below 1850MHz

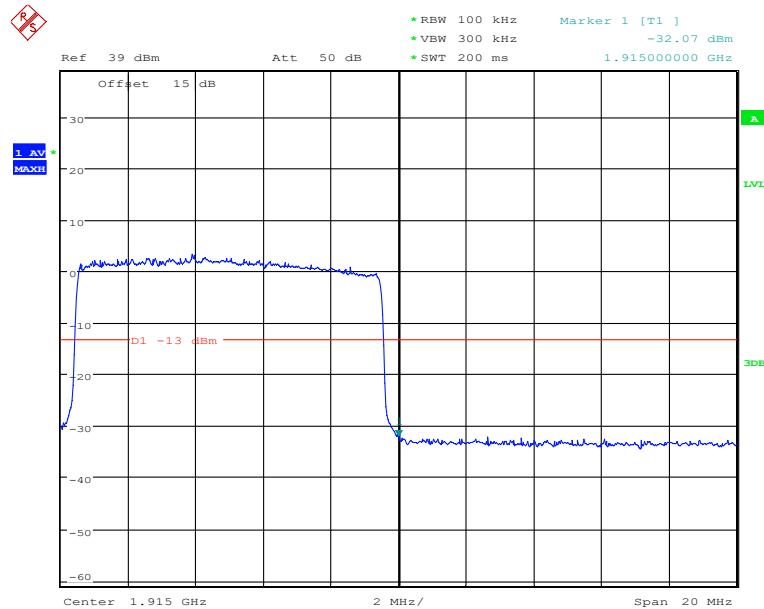
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:35:01

LTE Band25, 10MHz bandwidth, QPSK,(1,50) Mode, Above 1915MHz



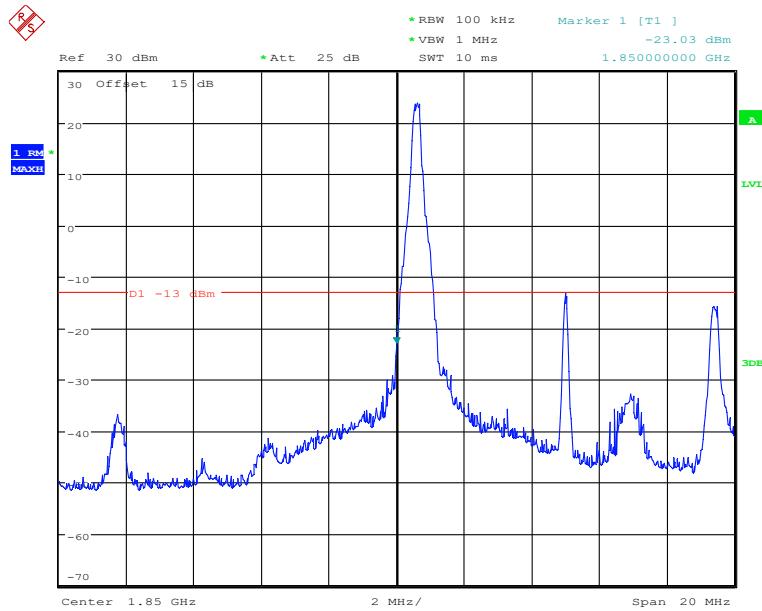
Date: 21.FEB.2020 09:35:15

LTE Band25, 10MHz bandwidth, QPSK,(50,0) Mode, Above 1915MHz

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

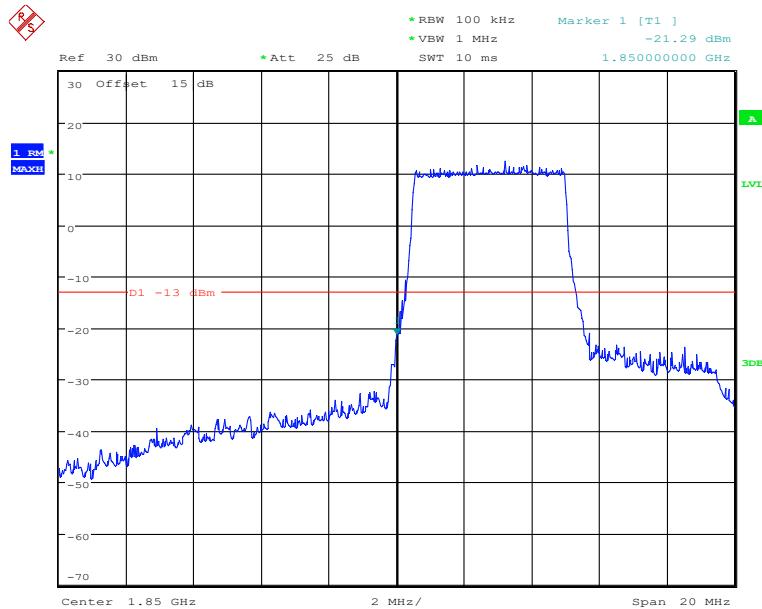
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 02:34:09

LTE Band25, 10MHz bandwidth, 16QAM,(1,0) Mode , Below 1850MHz

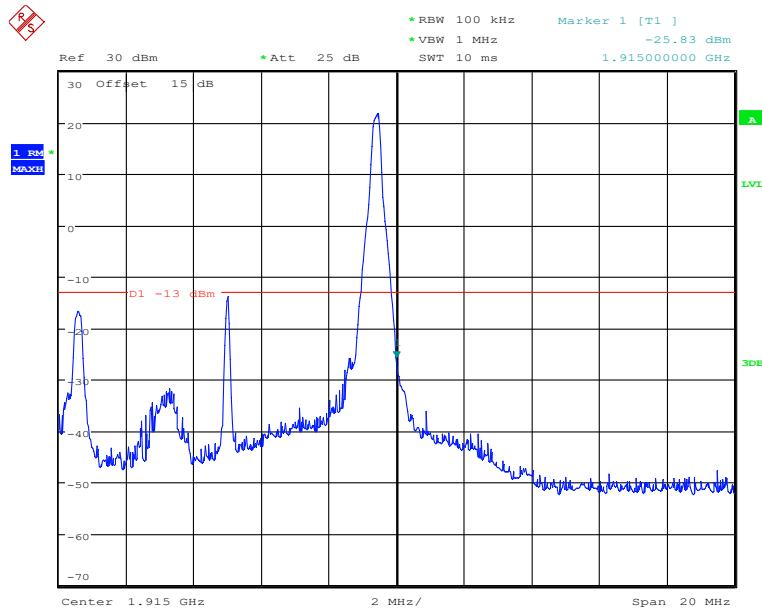


Date: 25.FEB.2020 02:34:33

LTE Band25, 10MHz bandwidth, 16QAM,(50,0) Mode , Below 1850MHz

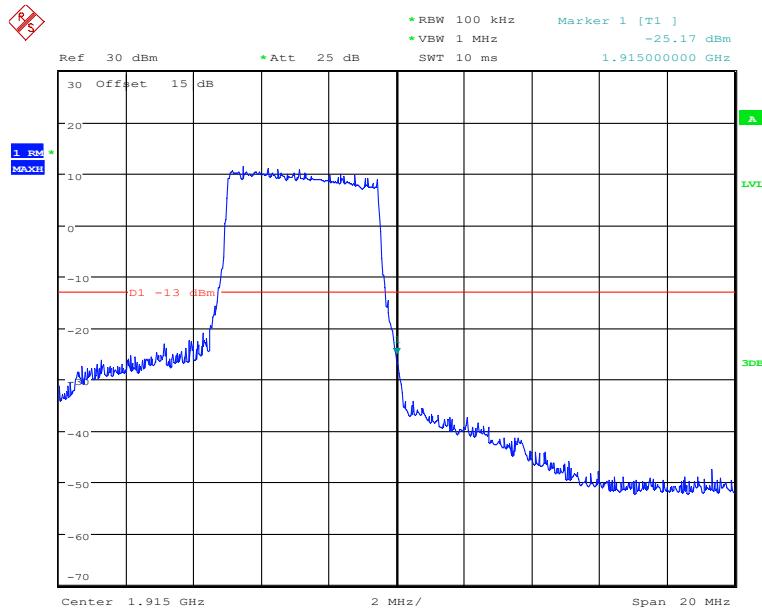
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 02:35:40

LTE Band25, 10MHz bandwidth, 16QAM,(1,50) Mode, Above 1915MHz

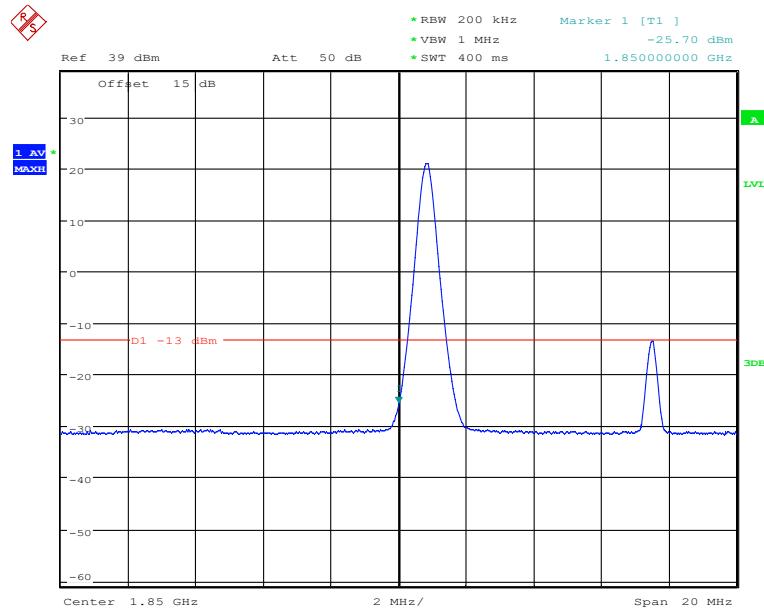


Date: 25.FEB.2020 02:35:20

LTE Band25, 10MHz bandwidth, 16QAM,(50,0) Mode, Above 1915MHz

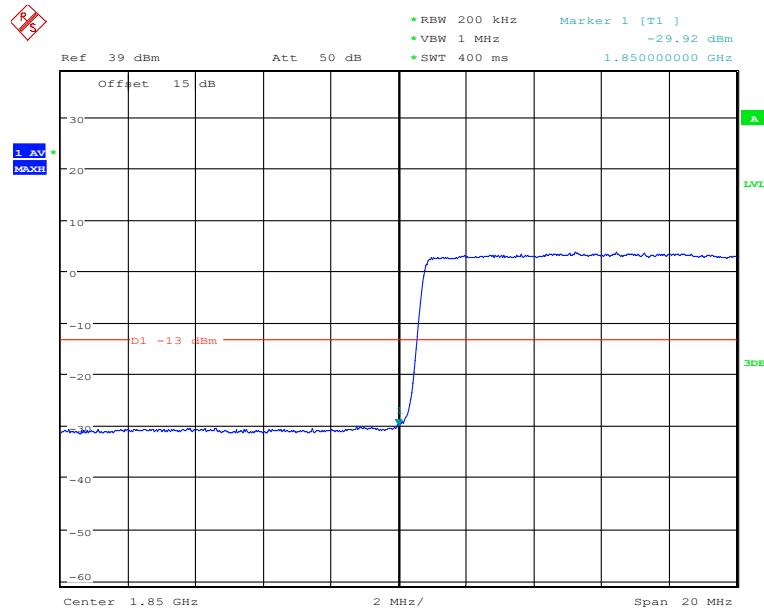
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:40:15

LTE Band25, 15MHz bandwidth, QPSK,(1,0) Mode , Below 1850MHz

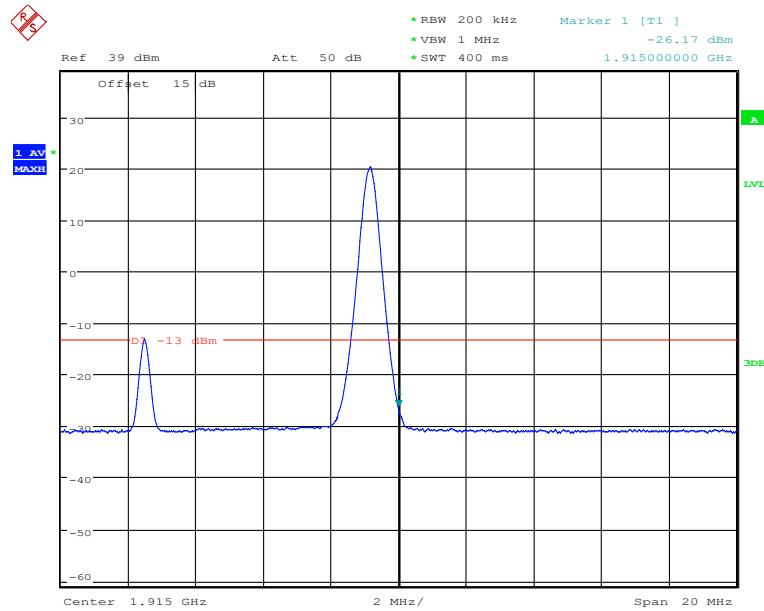


Date: 21.FEB.2020 09:40:31

LTE Band25, 15MHz bandwidth, QPSK,(75,0) Mode , Below 1850MHz

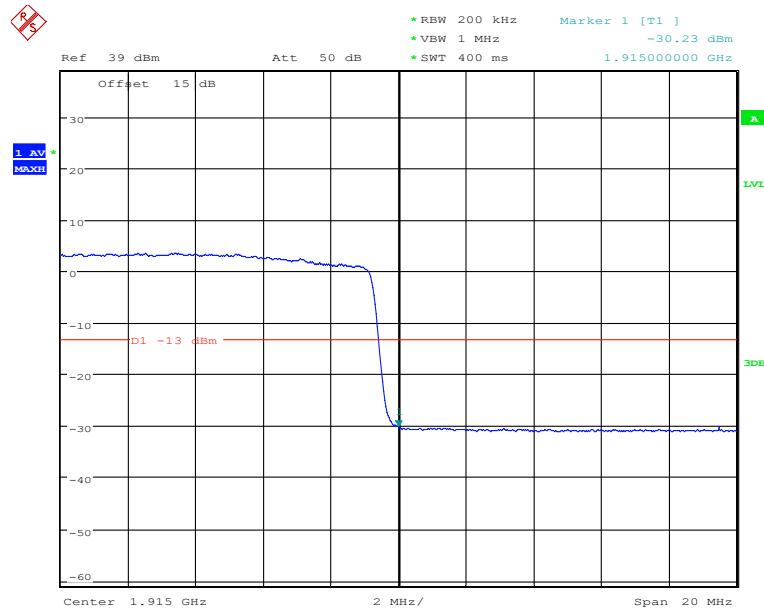
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:38:46

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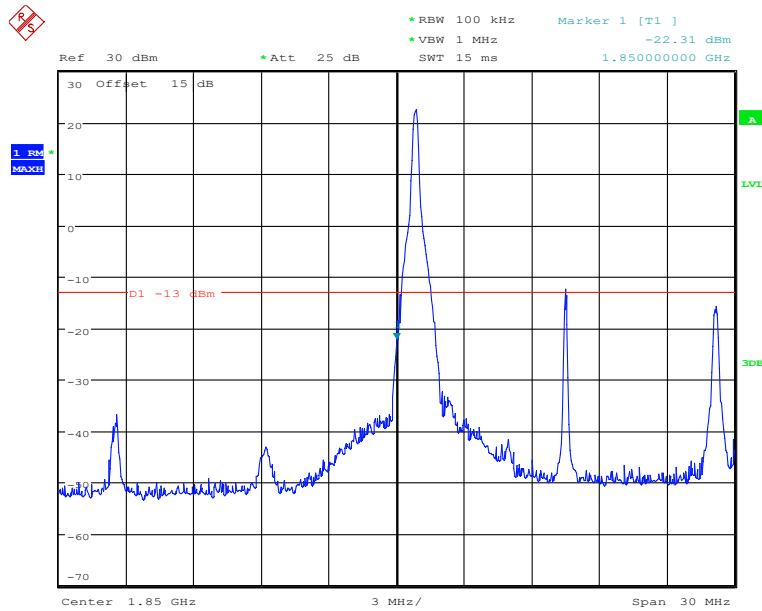


Date: 21.FEB.2020 09:39:11

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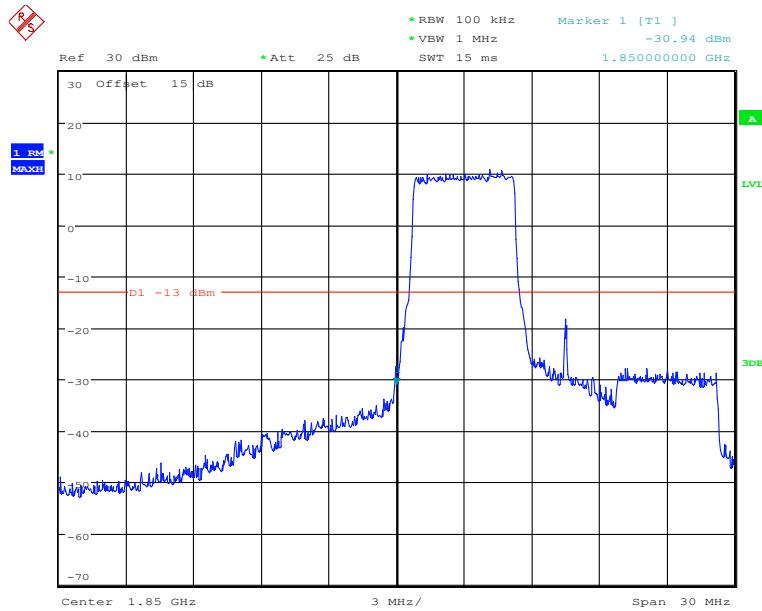
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 02:38:45

LTE Band25, 15MHz bandwidth, 16QAM,(1,0) Mode , Below 1850MHz

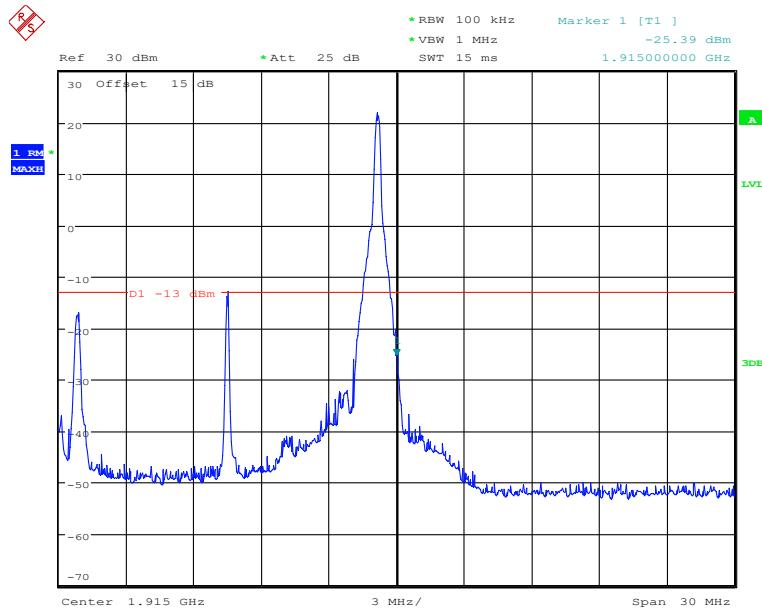


Date: 25.FEB.2020 02:38:21

LTE Band25, 15MHz bandwidth, 16QAM,(75,0) Mode , Below 1850MHz

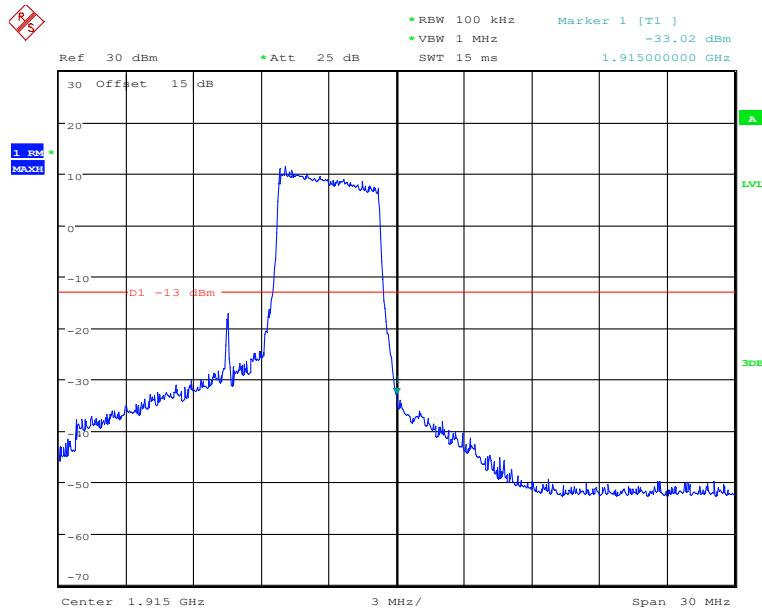
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 02:37:22

LTE Band25, 15MHz bandwidth, 16QAM,(1,75) Mode, Above 1915MHz

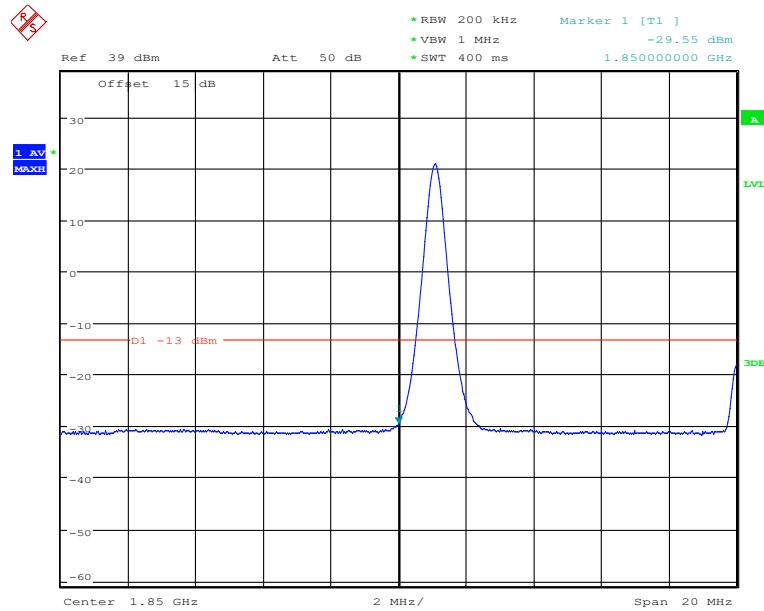


Date: 25.FEB.2020 02:37:42

LTE Band25, 15MHz bandwidth, 16QAM,(75,0) Mode, Above 1915MHz

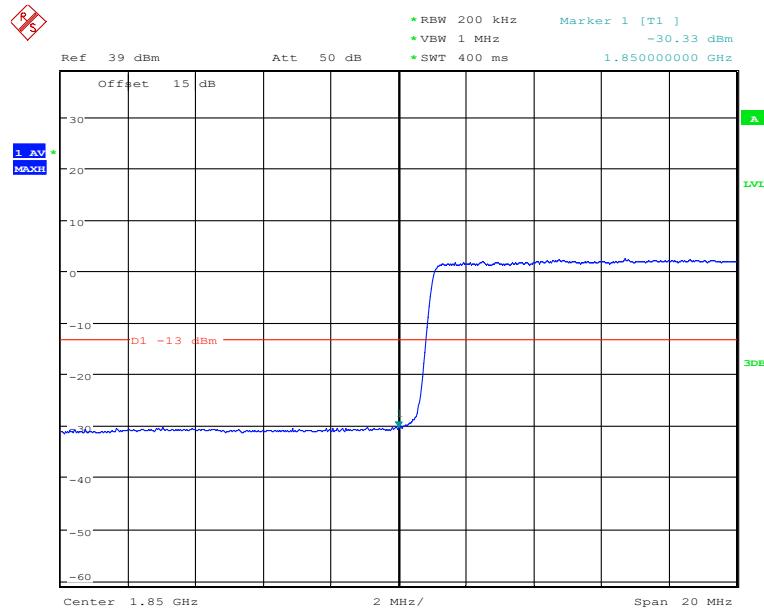
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:43:03

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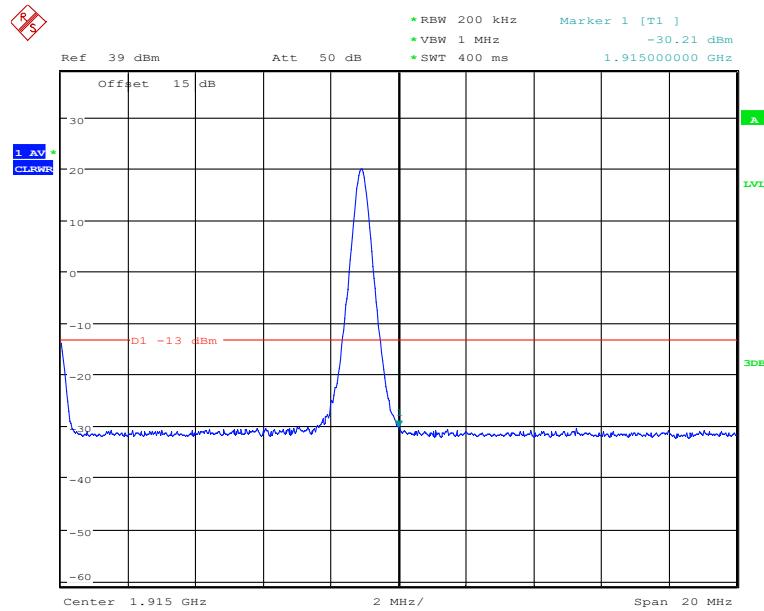


Date: 21.FEB.2020 09:43:19

LTE Band25, 20MHz bandwidth, QPSK,(100,0) Mode , Below 1850MHz

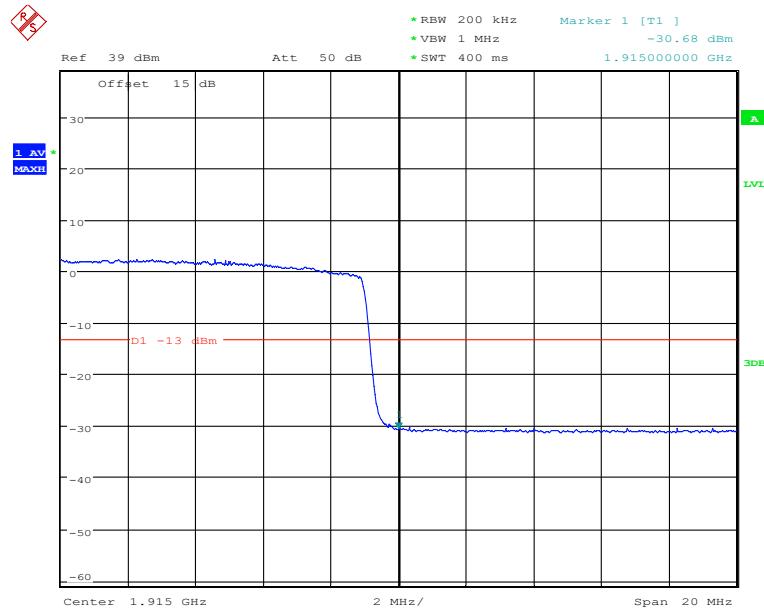
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:44:01

LTE Band25, 20MHz bandwidth, QPSK,(1,100) Mode, Above 1915MHz

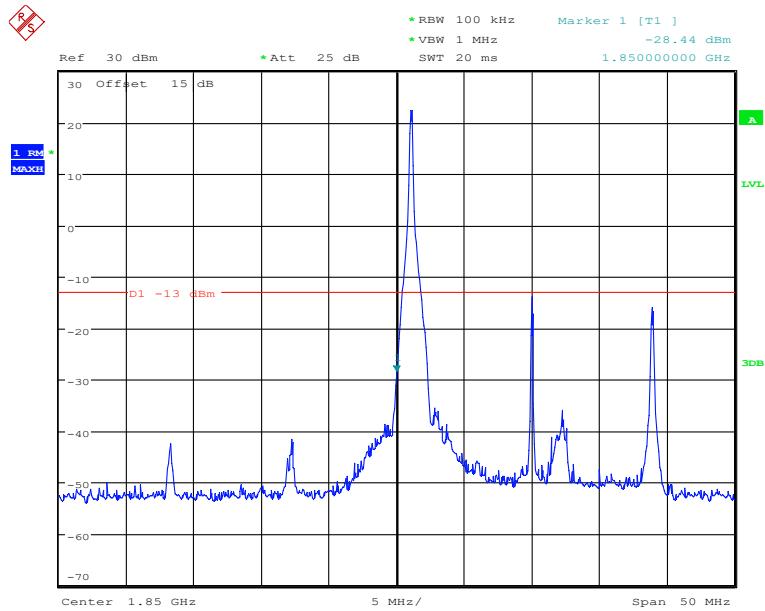


Date: 21.FEB.2020 09:44:15

LTE Band25, 20MHz bandwidth, QPSK,(100,0) Mode, Above 1915MHz

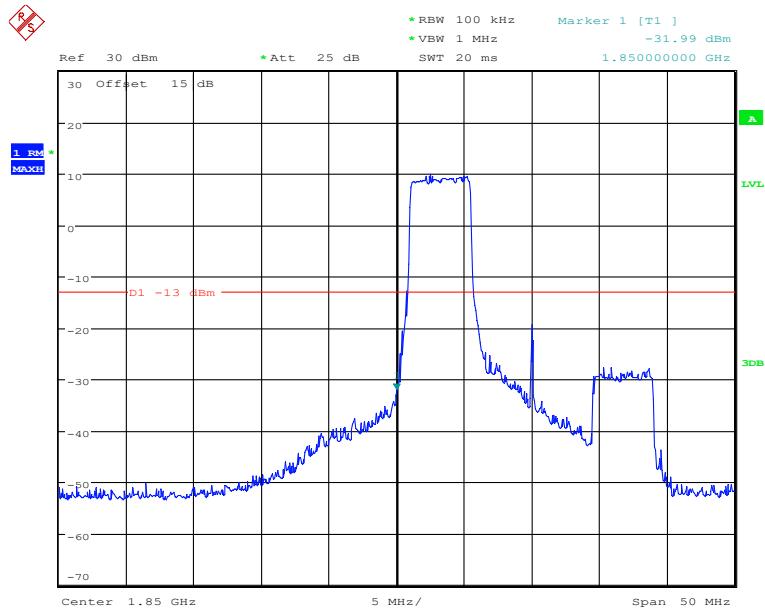
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 02:39:31

LTE Band25, 20MHz bandwidth, 16QAM,(1,0) Mode , Below 1850MHz

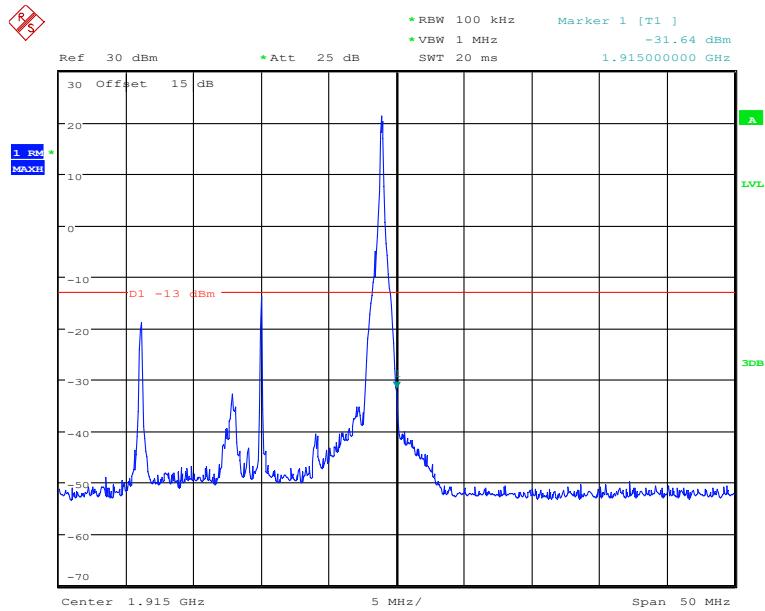


Date: 25.FEB.2020 02:39:51

LTE Band25, 20MHz bandwidth, 16QAM,(100,0) Mode , Below 1850MHz

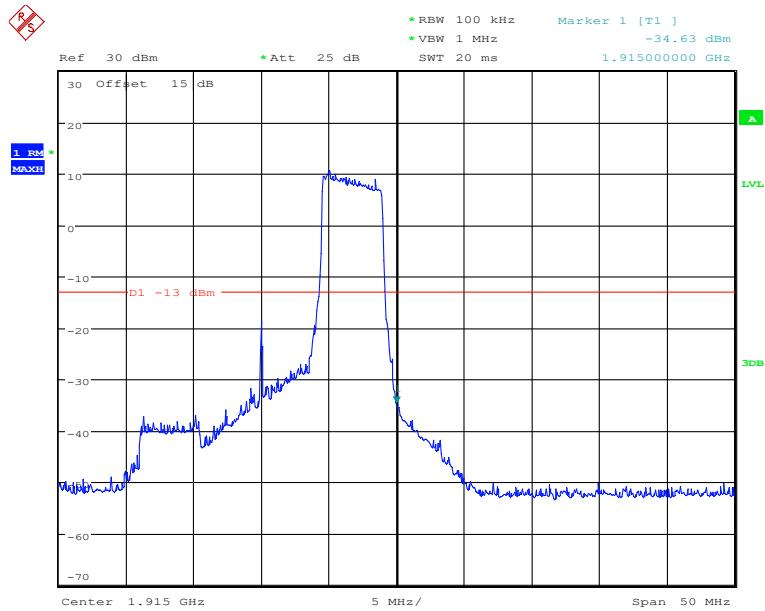
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 02:41:12

LTE Band25, 20MHz bandwidth, 16QAM,(1,100) Mode, Above 1915MHz



Date: 25.FEB.2020 02:40:43

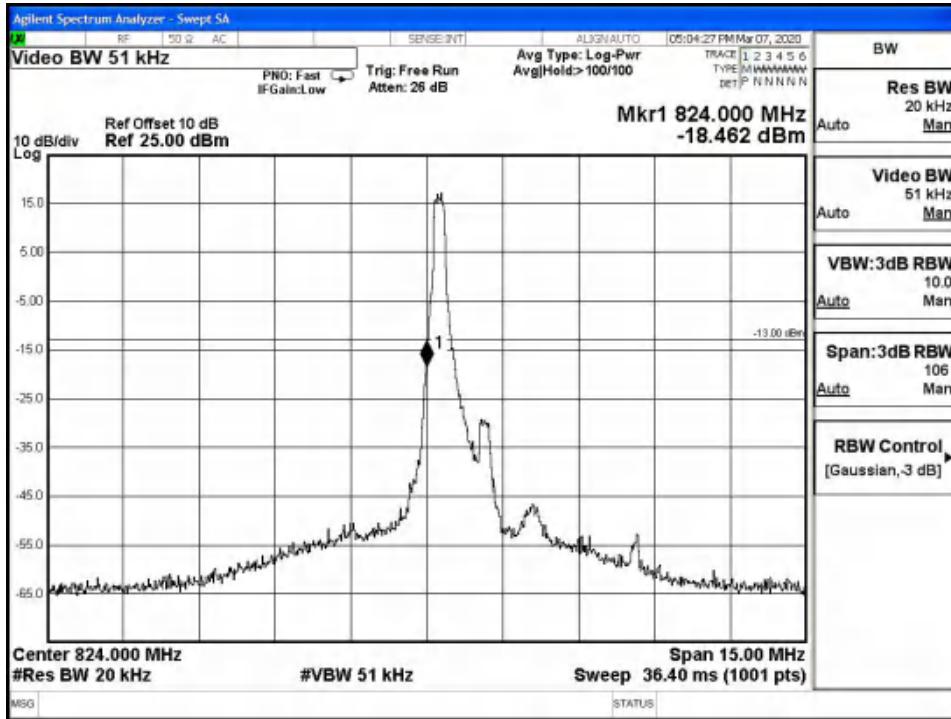
LTE Band25, 20MHz bandwidth, 16QAM,(100,0) Mode, Above 1915MHz

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

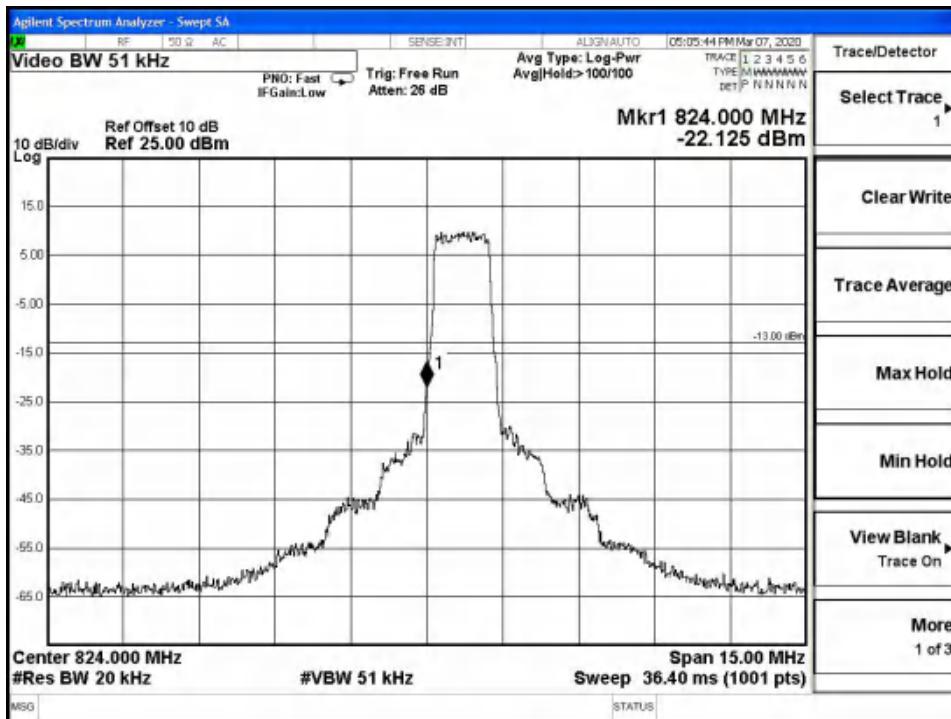
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1

## 5.5.10 LTE B26 Band Edge Results



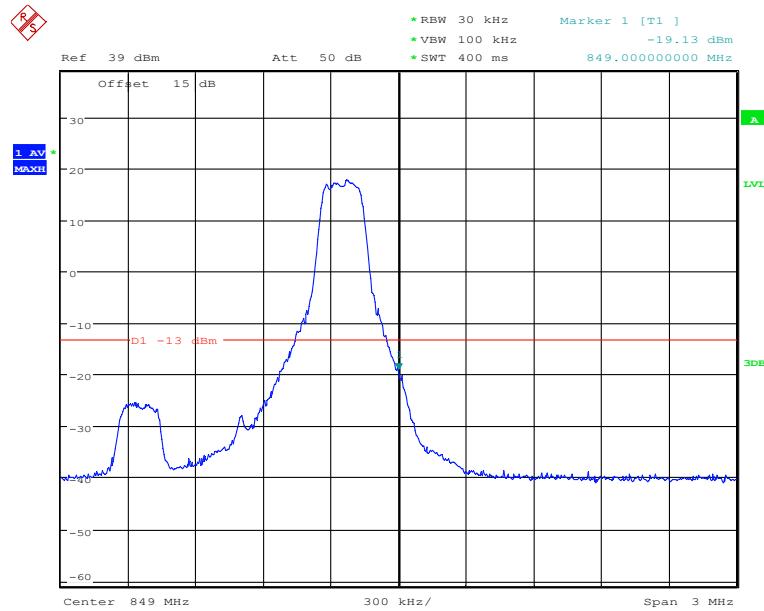
LTE Band26, 1.4MHz bandwidth, QPSK,(1,0) Mode , Below 824MHz



LTE Band26, 1.4MHz bandwidth, QPSK,(6,0) Mode , Below 824MHz

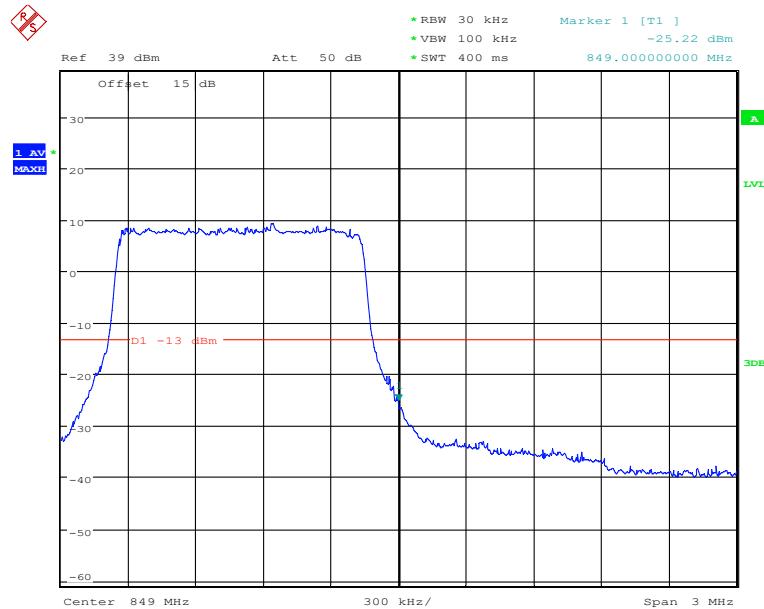
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:47:51

LTE Band26, 1.4MHz bandwidth, QPSK,(1,6) Mode, Above 849MHz

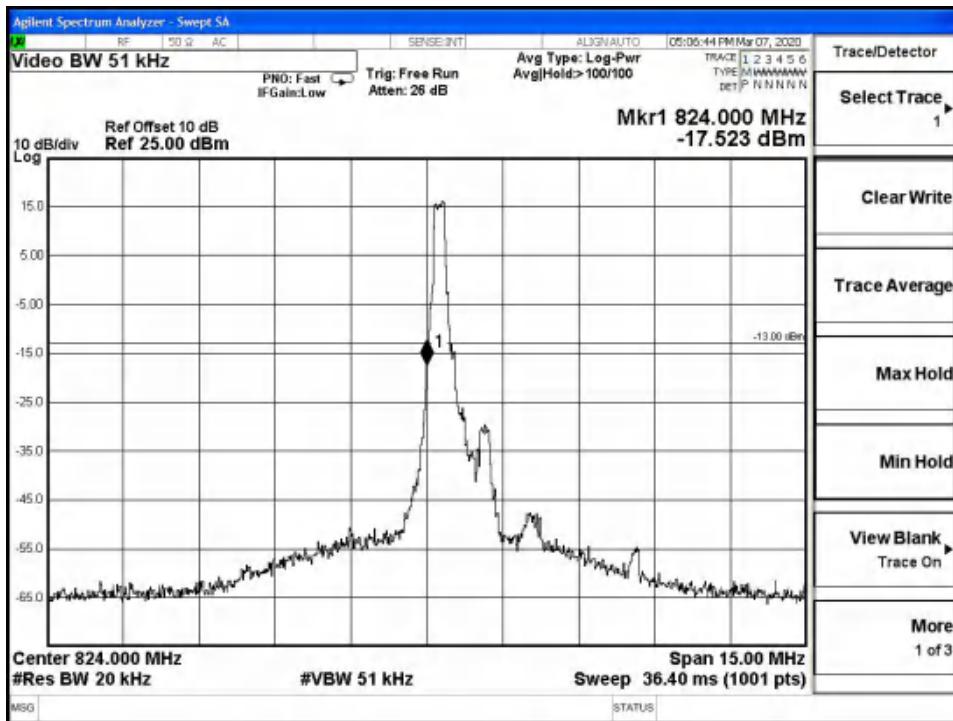


Date: 21.FEB.2020 09:48:04

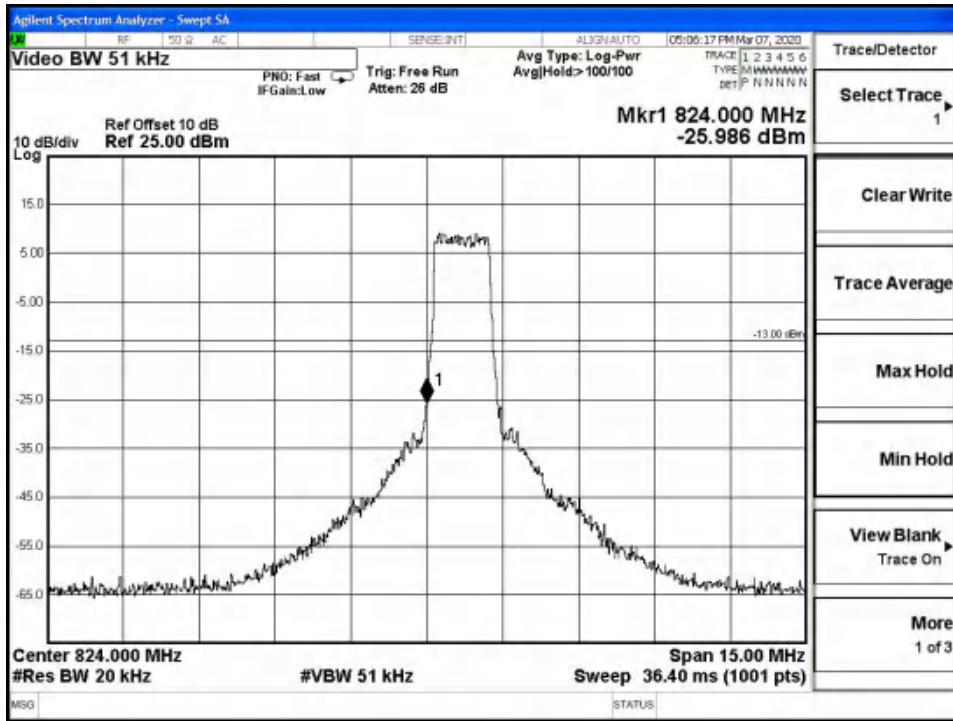
LTE Band26, 1.4MHz bandwidth, QPSK,(6,0) Mode, Above 849MHz

# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



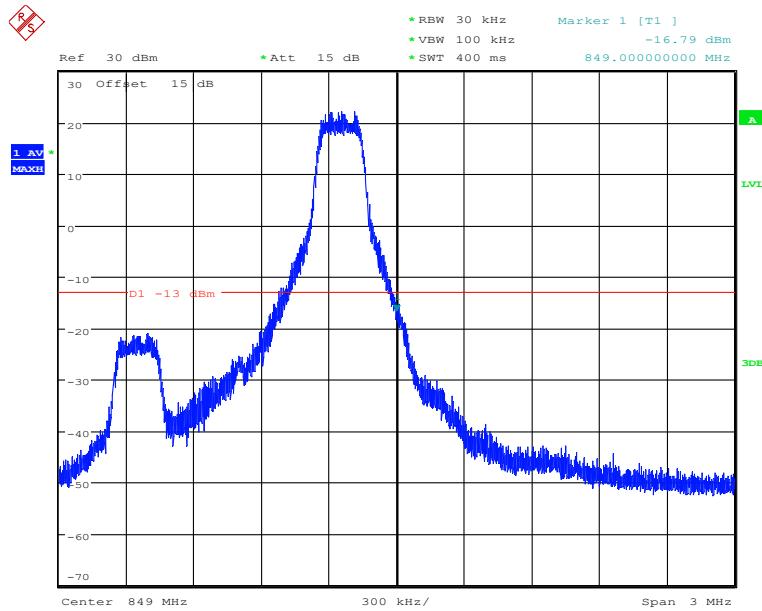
LTE Band26, 1.4MHz bandwidth, 16QAM,(1,0) Mode , Below 824MHz



LTE Band26, 1.4MHz bandwidth, 16QAM,(6,0) Mode , Below 824MHz

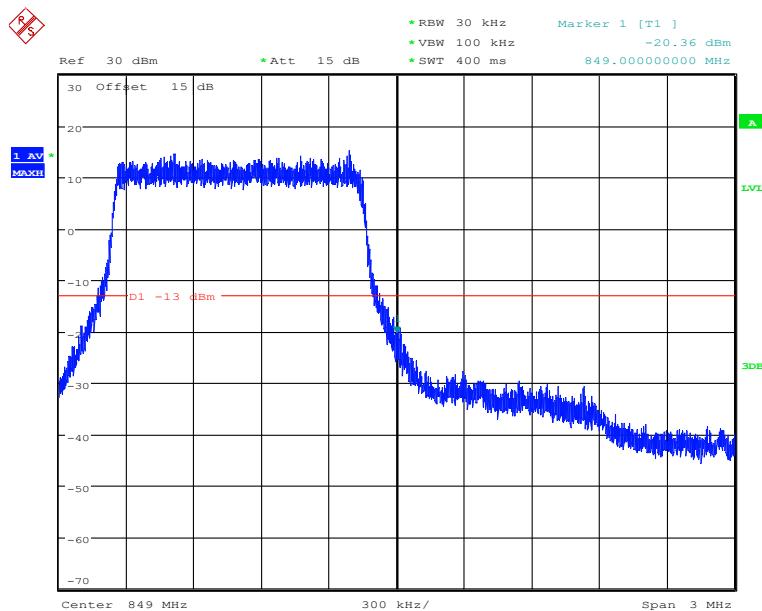
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 06:34:35

LTE Band26, 1.4MHz bandwidth, 16QAM,(1,6) Mode, Above 849MHz

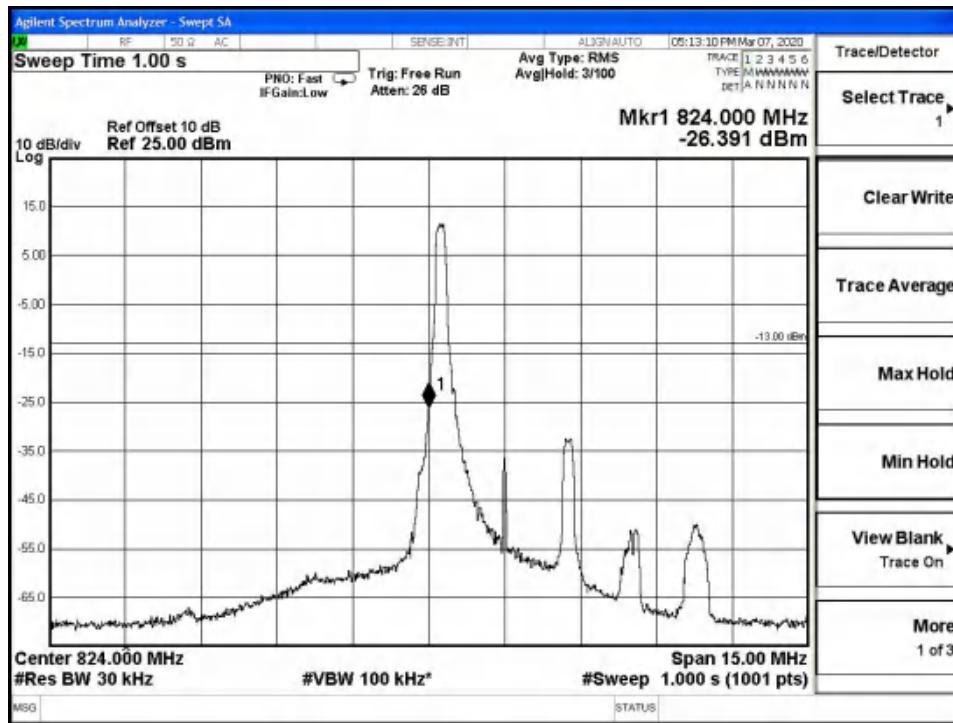


Date: 23.FEB.2020 06:34:14

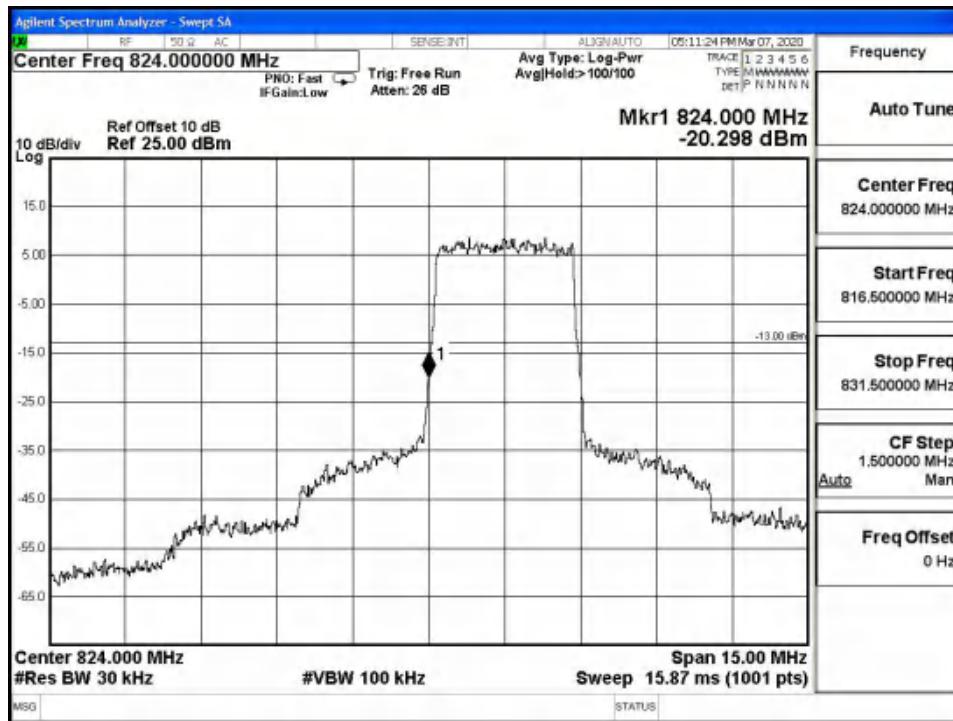
LTE Band26, 1.4MHz bandwidth, 16QAM,(6,0) Mode, Above 849MHz

# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



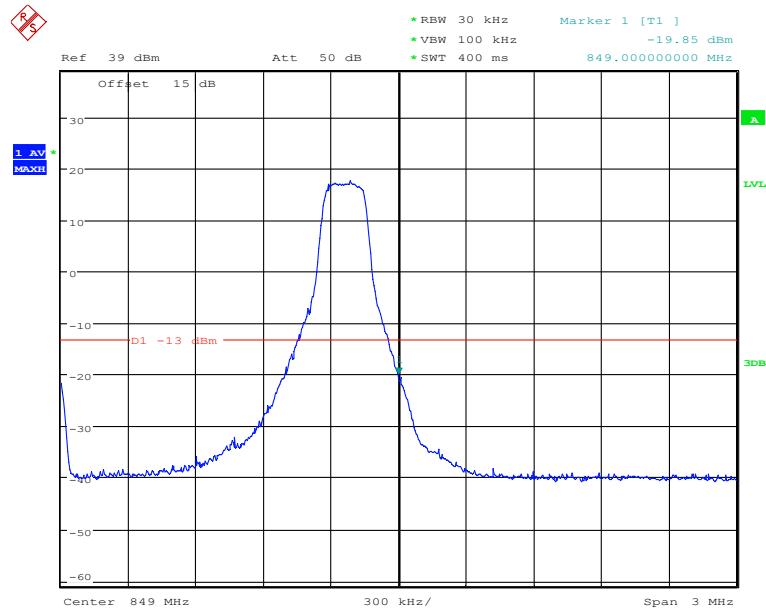
LTE Band26, 3MHz bandwidth, QPSK,(1,0) Mode , Below 824MHz



LTE Band26, 3MHz bandwidth, QPSK,(15,0) Mode , Below 824MHz

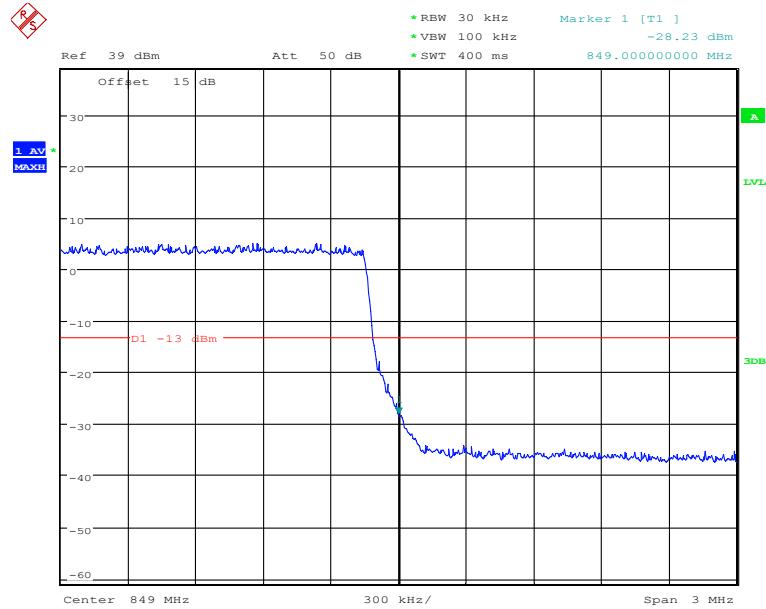
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:50:30

LTE Band26, 3MHz bandwidth, QPSK,(1,15) Mode, Above 849MHz

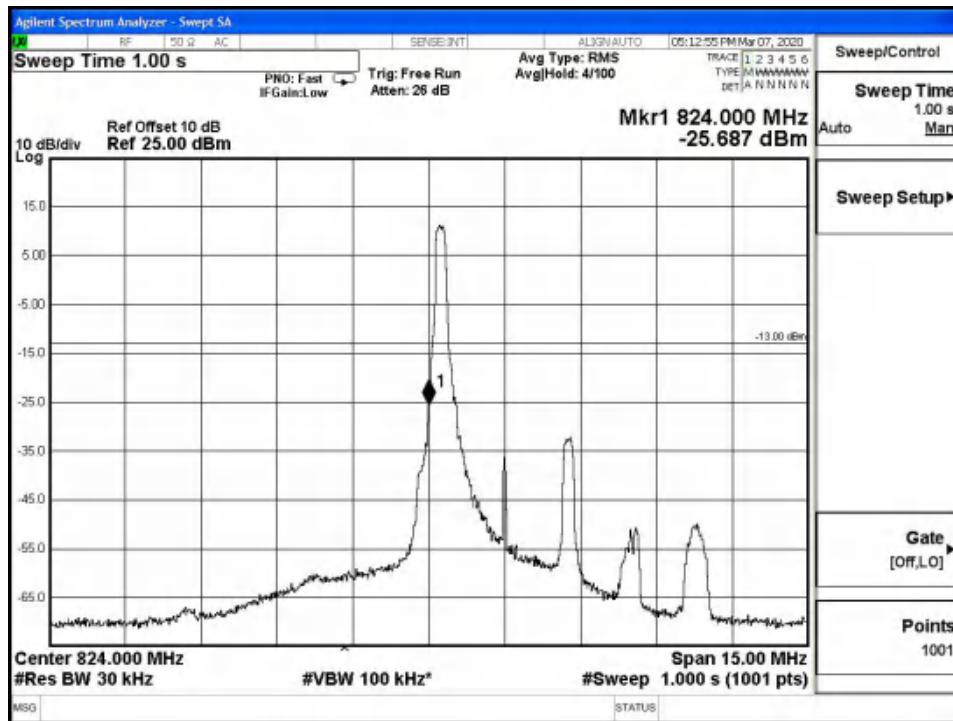


Date: 21.FEB.2020 09:50:43

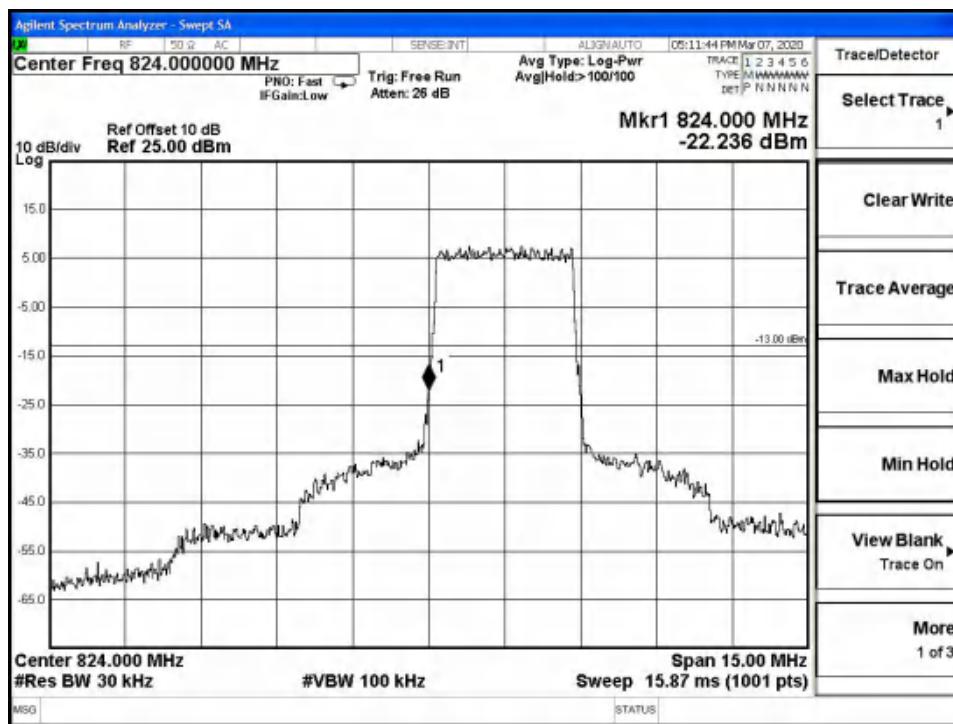
LTE Band26, 3MHz bandwidth, QPSK,(15,0) Mode, Above 849MHz

# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



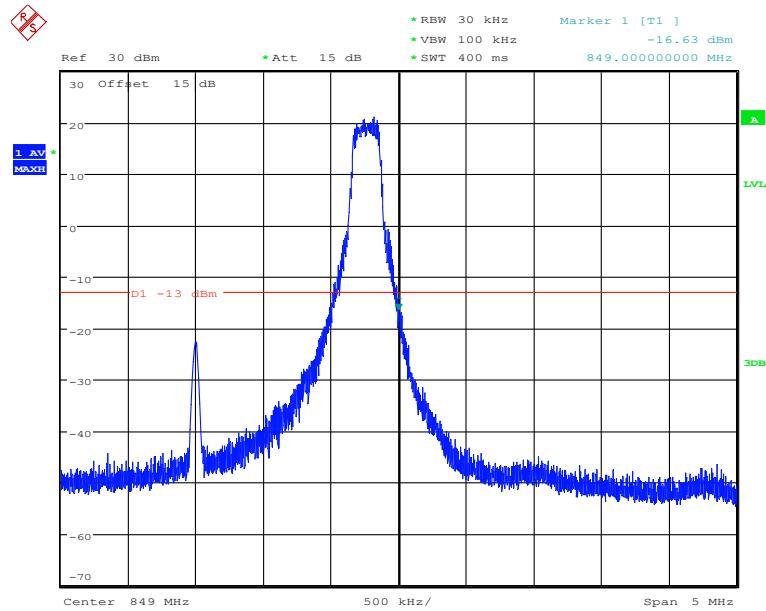
LTE Band26, 3MHz bandwidth, 16QAM,(1,0) Mode , Below 824MHz



LTE Band26, 3MHz bandwidth, 16QAM,(15,0) Mode , Below 824MHz

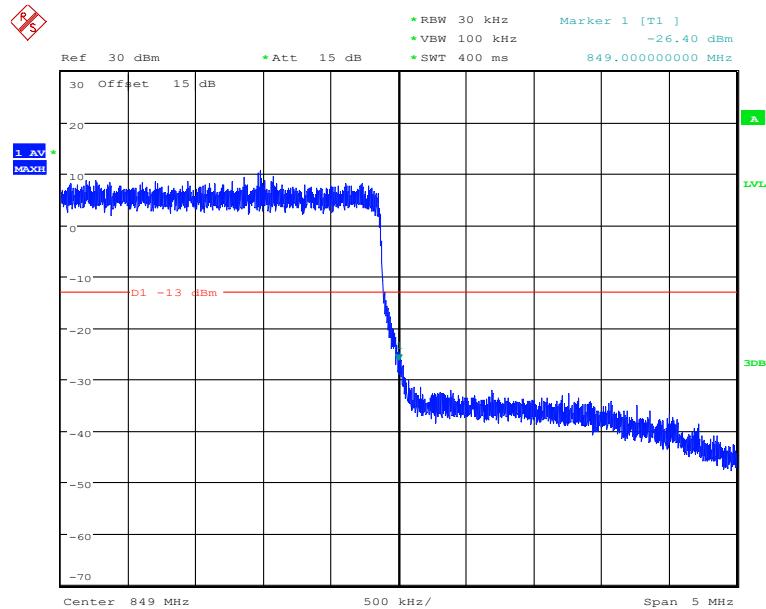
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 06:31:42

LTE Band26, 3MHz bandwidth, 16QAM,(1,15) Mode, Above 849MHz

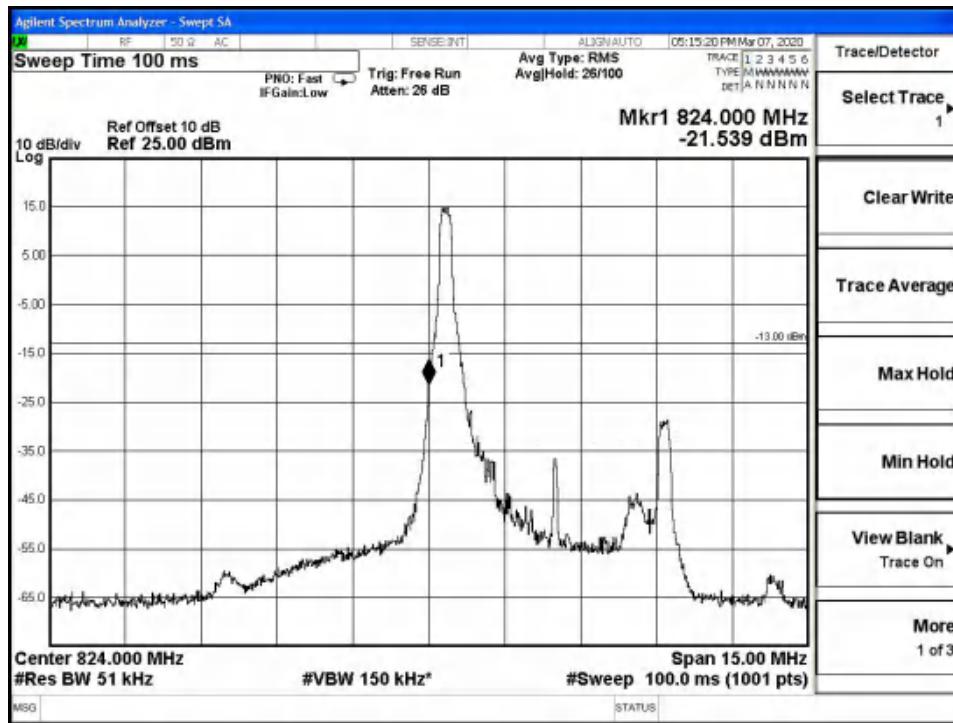


Date: 23.FEB.2020 06:31:56

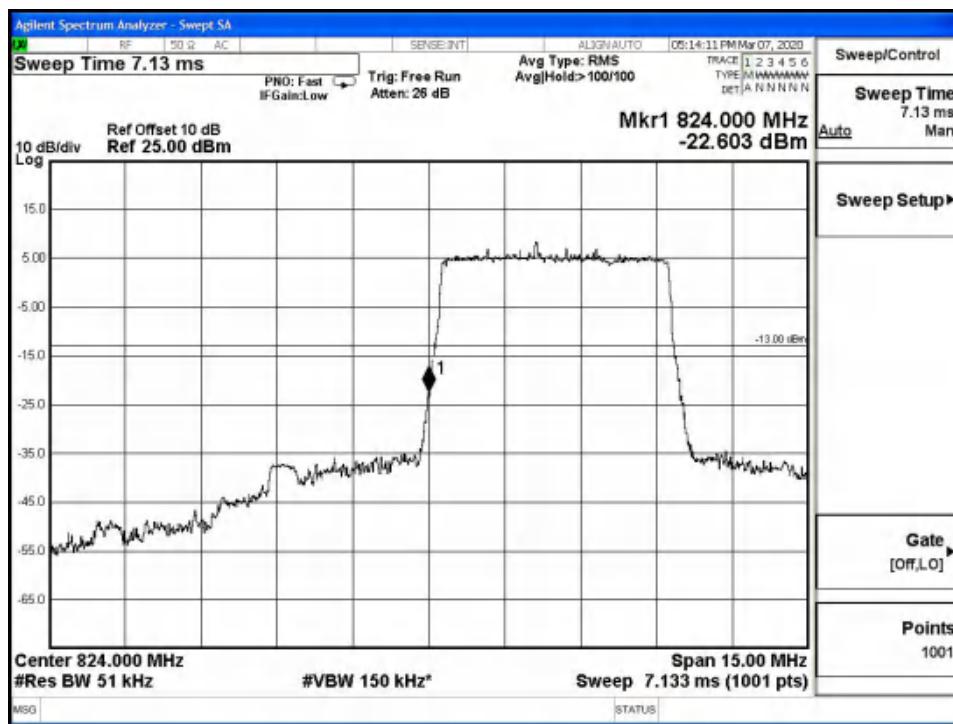
LTE Band26, 3MHz bandwidth, 16QAM,(15,0) Mode, Above 849MHz

# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



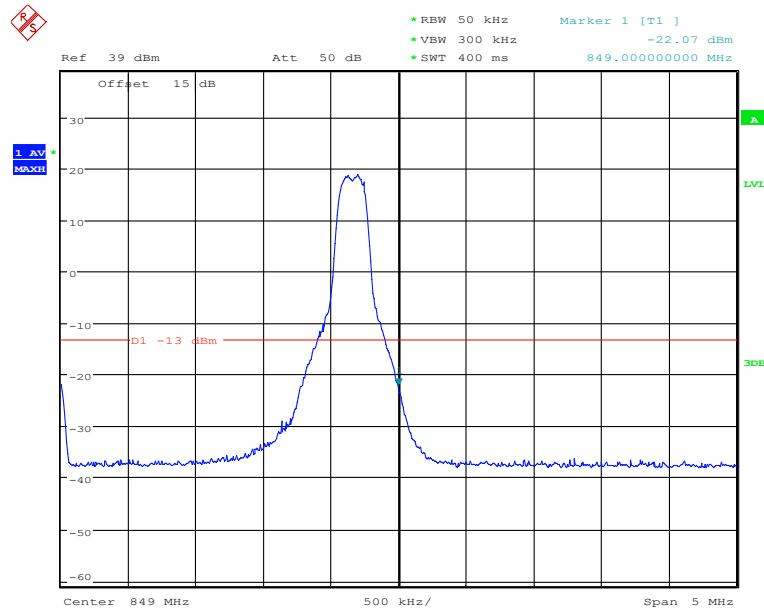
LTE Band26, 5MHz bandwidth, QPSK,(1,0) Mode , Below 824MHz



LTE Band26, 5MHz bandwidth, QPSK,(25,0) Mode , Below 824MHz

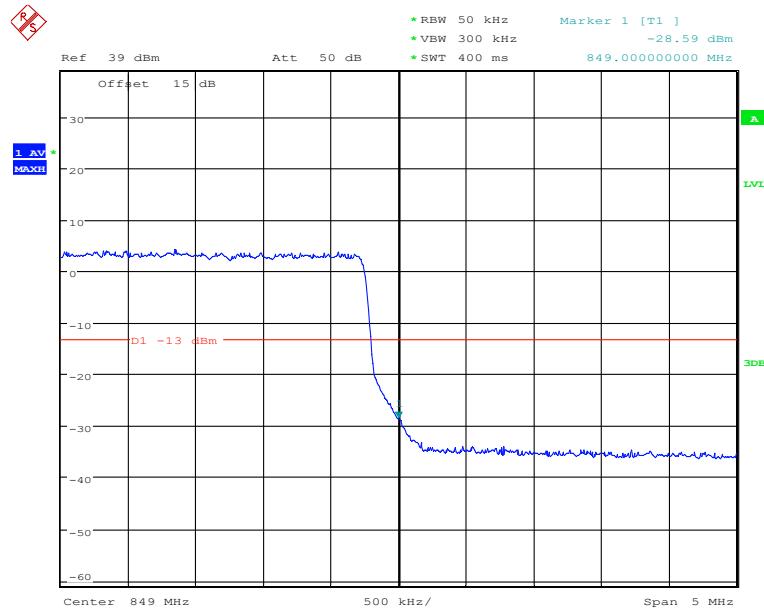
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:55:07

LTE Band26, 5MHz bandwidth, QPSK,(1,25) Mode, Above 849MHz

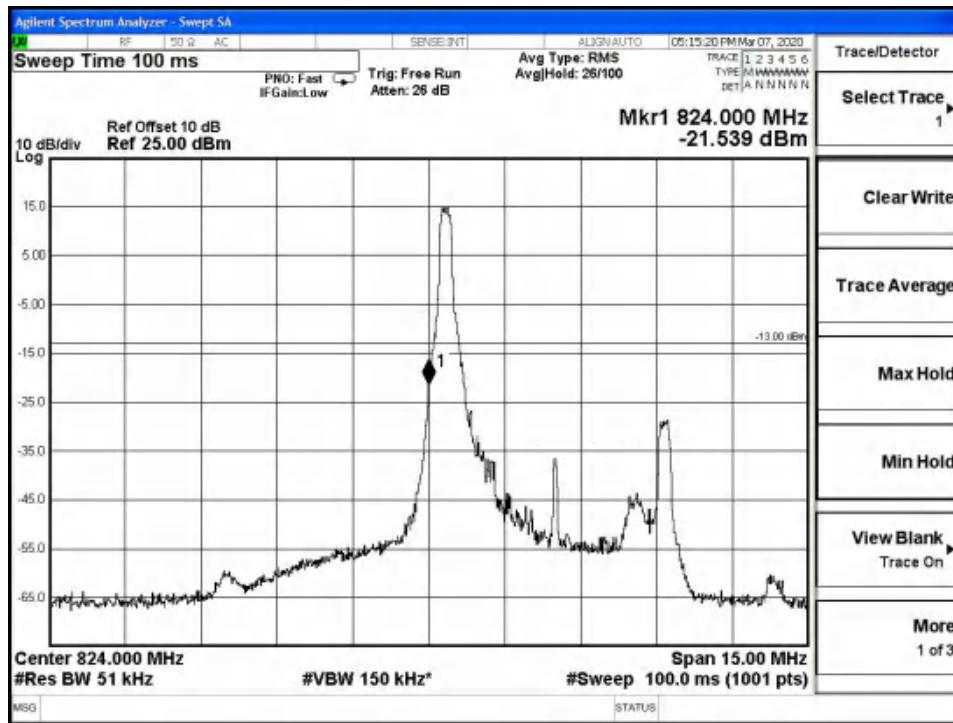


Date: 21.FEB.2020 09:55:20

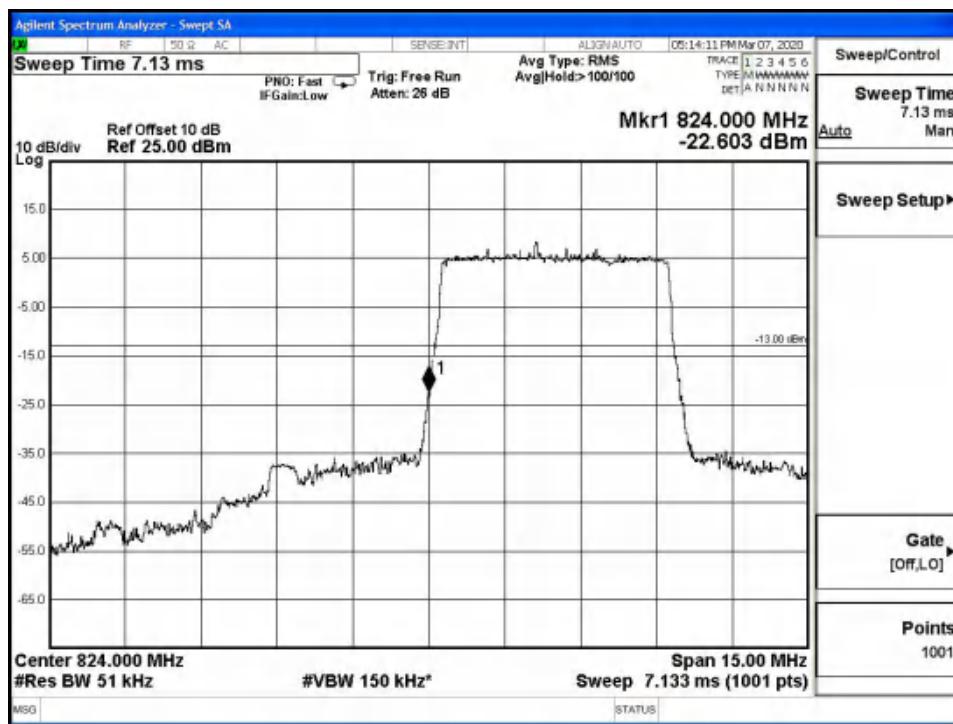
LTE Band26, 5MHz bandwidth, QPSK,(25,0) Mode, Above 849MHz

# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



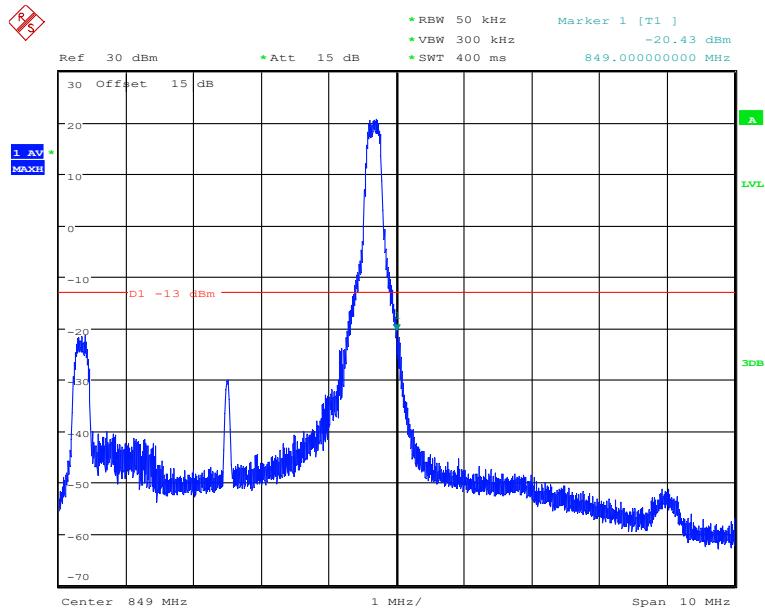
LTE Band26, 5MHz bandwidth, 16QAM,(1,0) Mode , Below 824MHz



LTE Band26, 5MHz bandwidth, 16QAM,(25,0) Mode , Below 824MHz

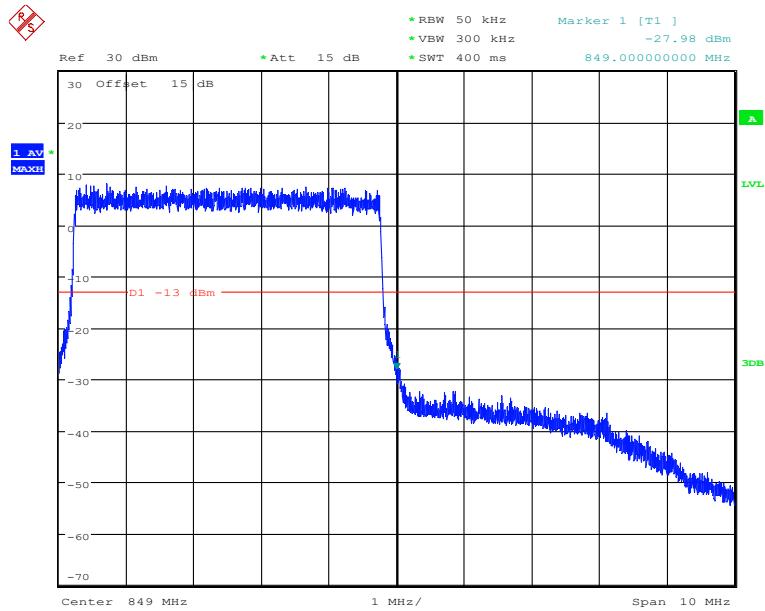
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 06:30:32

LTE Band26, 5MHz bandwidth, 16QAM,(1,25) Mode, Above 849MHz



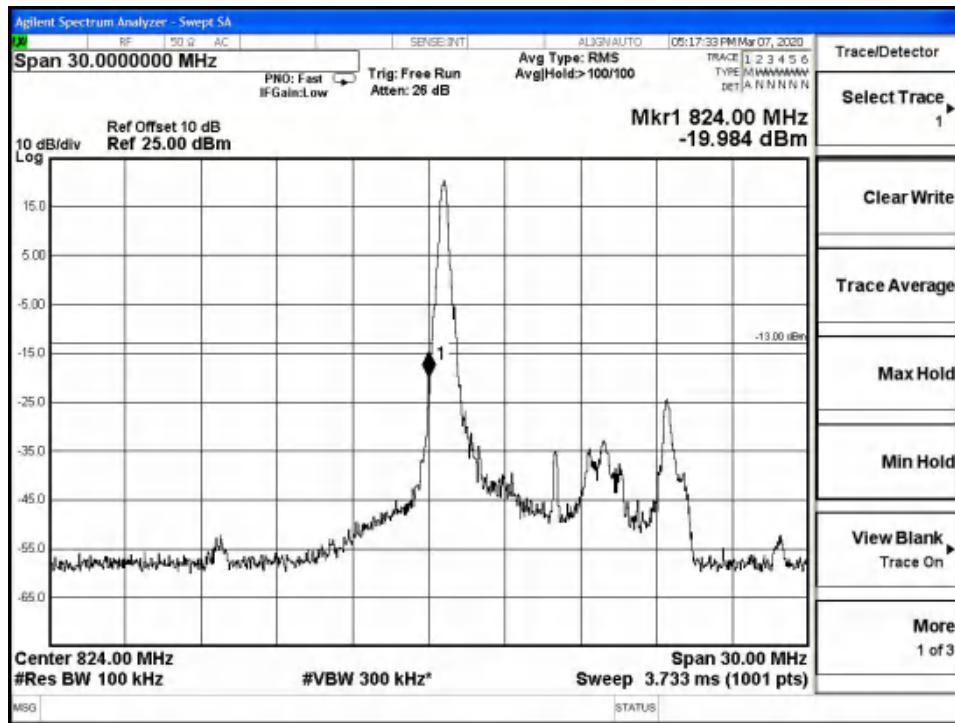
Date: 23.FEB.2020 06:30:13

LTE Band26, 5MHz bandwidth, 16QAM,(25,0) Mode, Above 849MHz

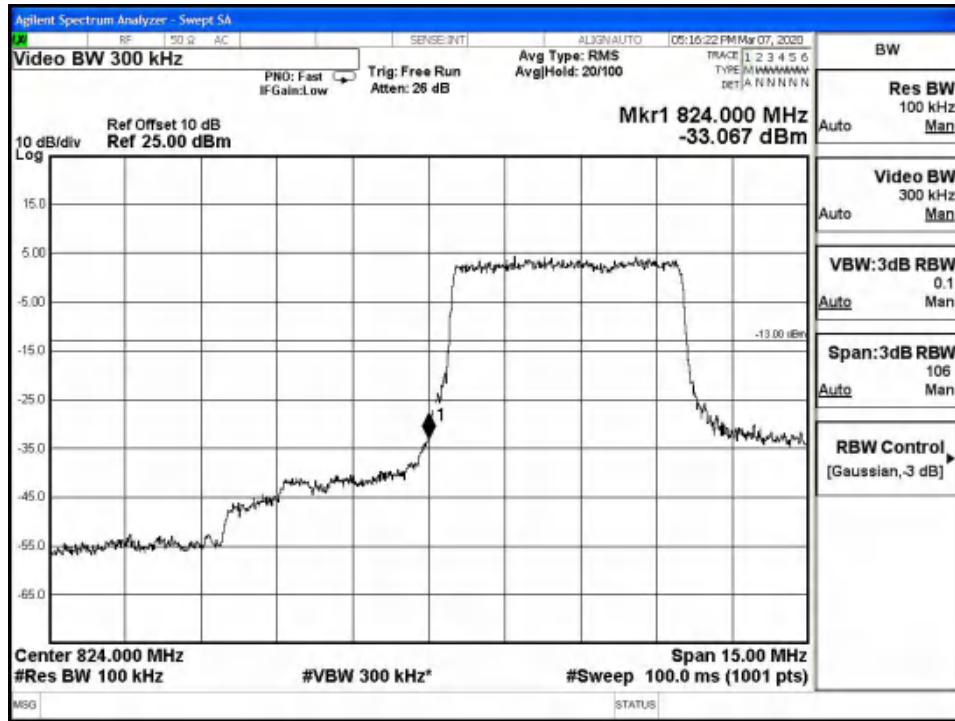
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX: 0086-23-88608777

# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



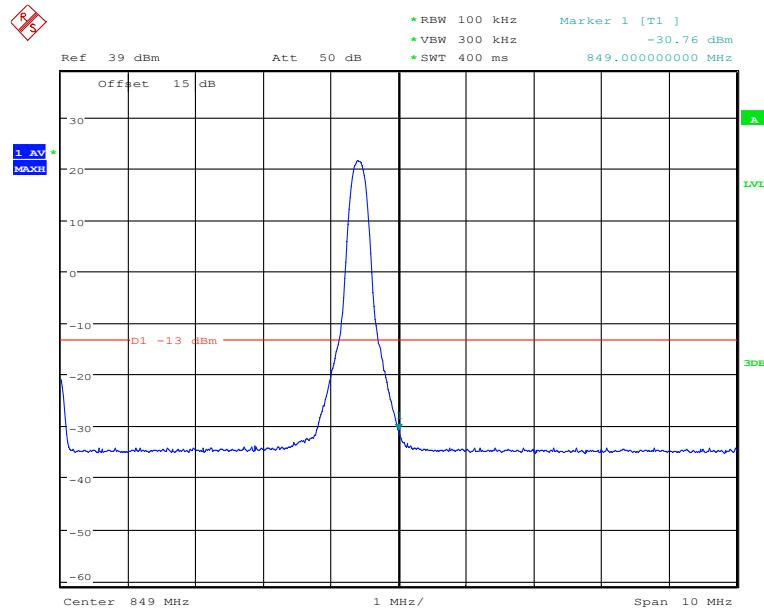
LTE Band26, 10MHz bandwidth, QPSK,(1,0) Mode , Below 824MHz



LTE Band26, 10MHz bandwidth, QPSK,(50,0) Mode , Below 824MHz

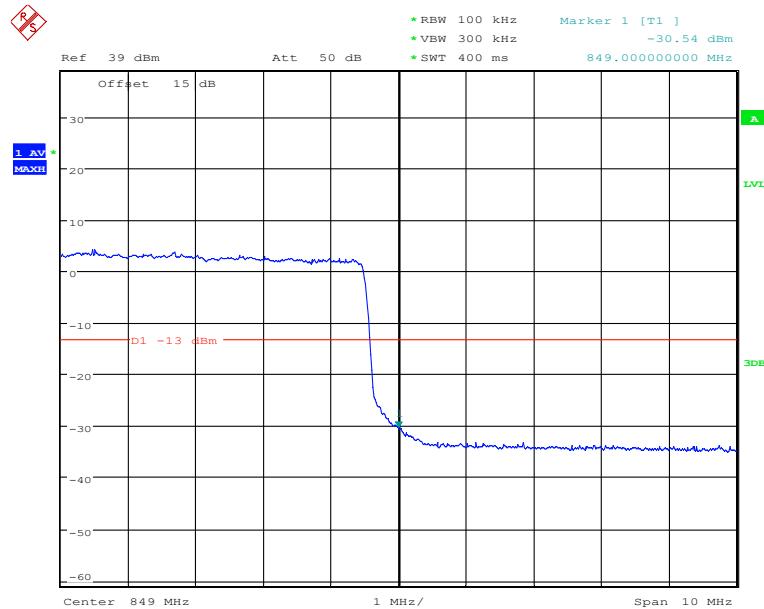
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 09:57:49

LTE Band26, 10MHz bandwidth, QPSK,(1,50) Mode, Above 849MHz

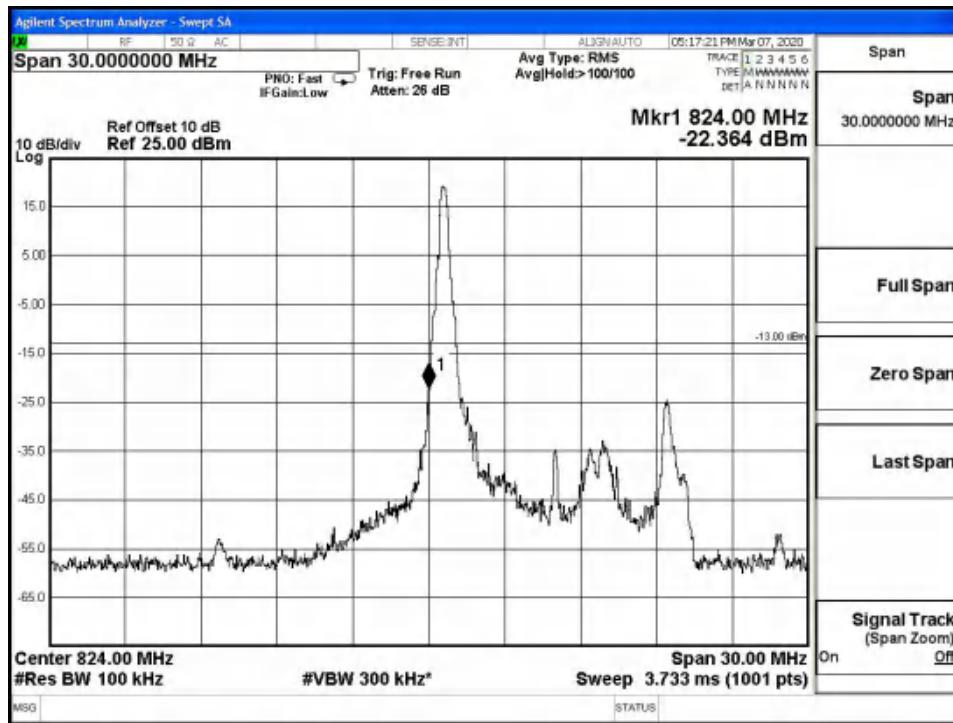


Date: 21.FEB.2020 09:58:05

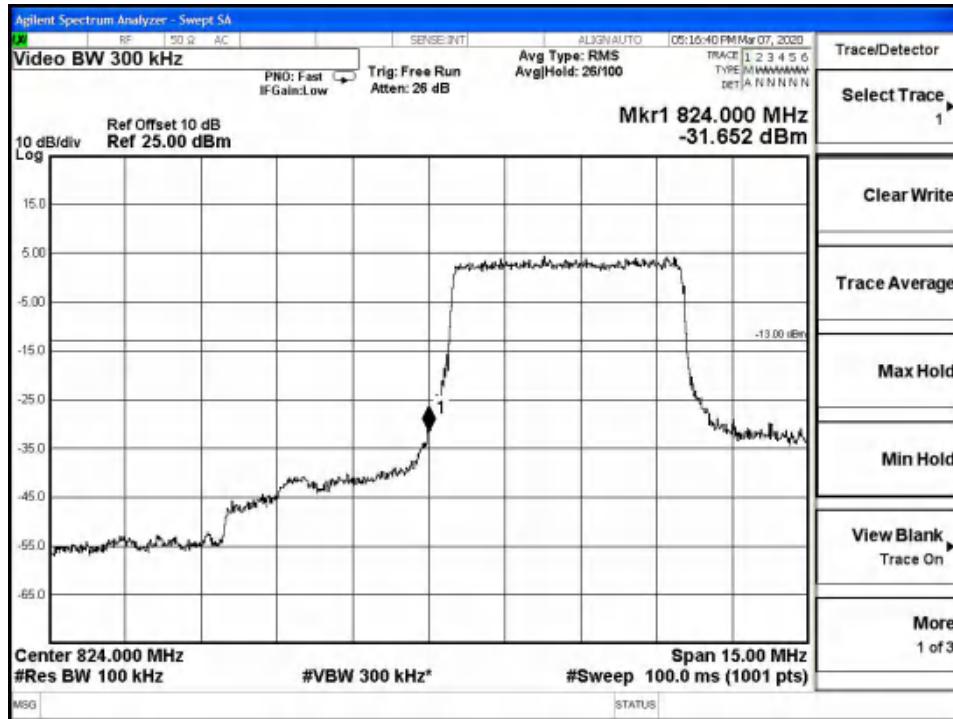
LTE Band26, 10MHz bandwidth, QPSK,(50,0) Mode, Above 849MHz

# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



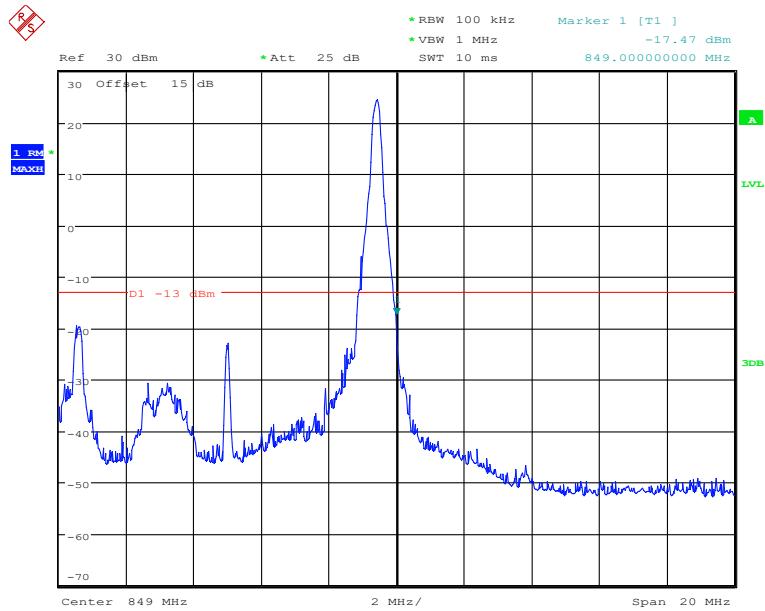
LTE Band26, 10MHz bandwidth, 16QAM,(1,0) Mode , Below 824MHz



LTE Band26, 10MHz bandwidth, 16QAM,(25,0) Mode , Below 824MHz

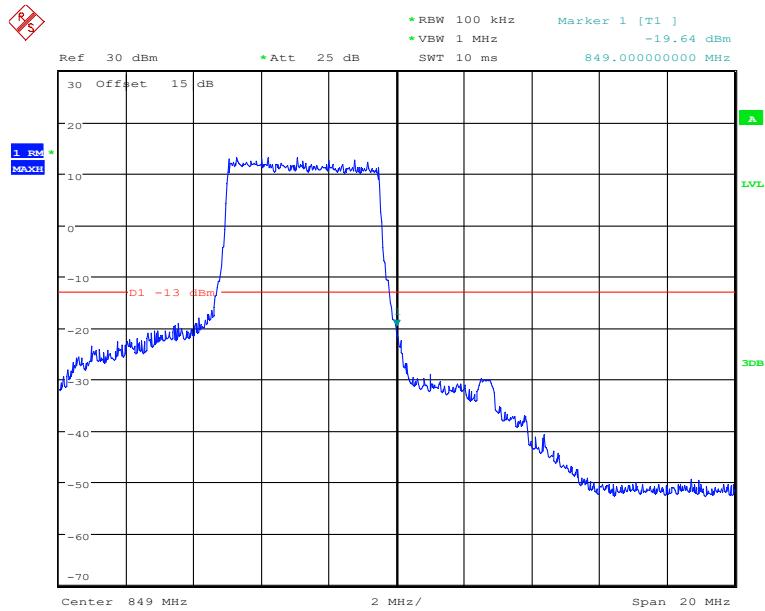
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 02:58:00

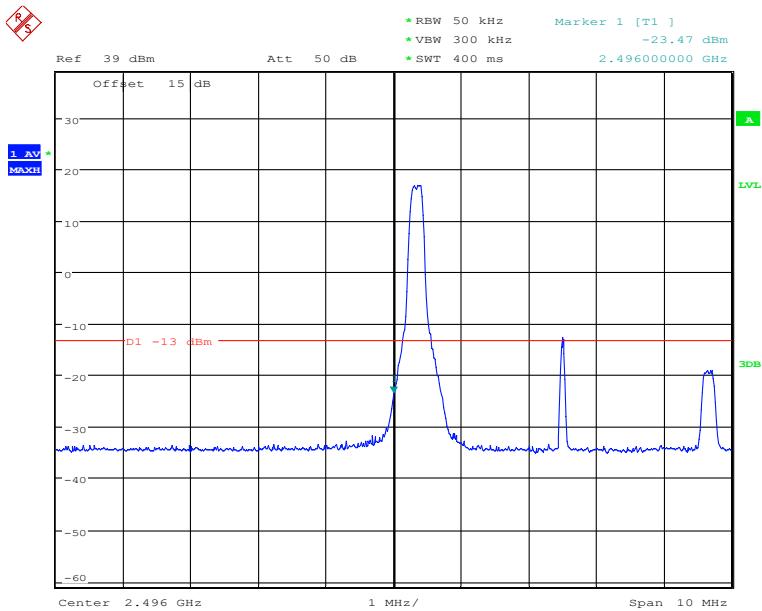
LTE Band26, 10MHz bandwidth, 16QAM,(1,50) Mode, Above 849MHz



Date: 25.FEB.2020 02:57:33

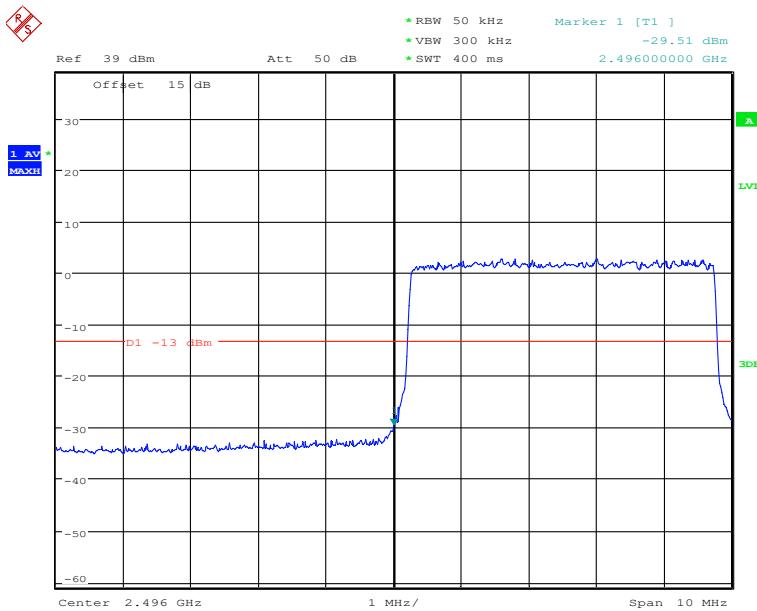
LTE Band26, 10MHz bandwidth, 16QAM,(25,0) Mode, Above 849MHz

### 5.5.11 LTE B41 Band Edge Results



Date: 21.FEB.2020 10:10:50

LTE Band41, 5MHz bandwidth, QPSK,(1,0) Mode , Below 2496MHz

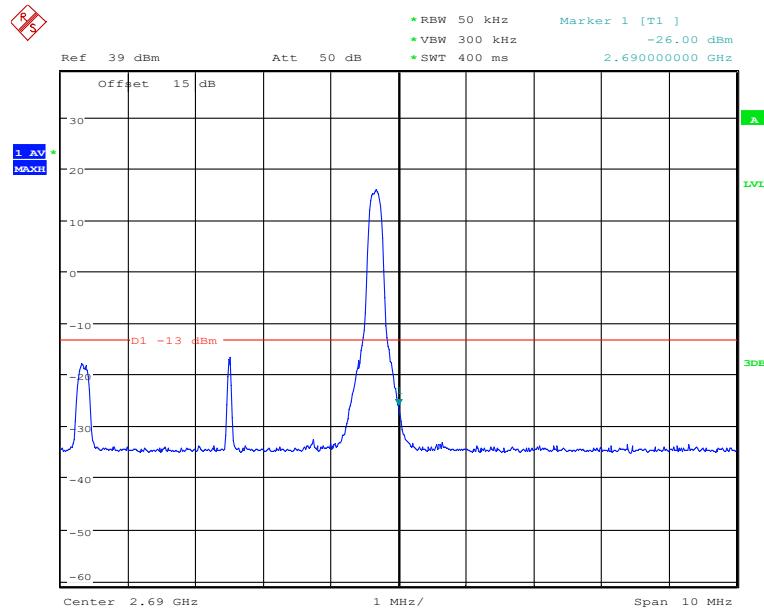


Date: 21.FEB.2020 10:11:12

LTE Band41, 5MHz bandwidth, QPSK,(25,0) Mode , Below 2496MHz

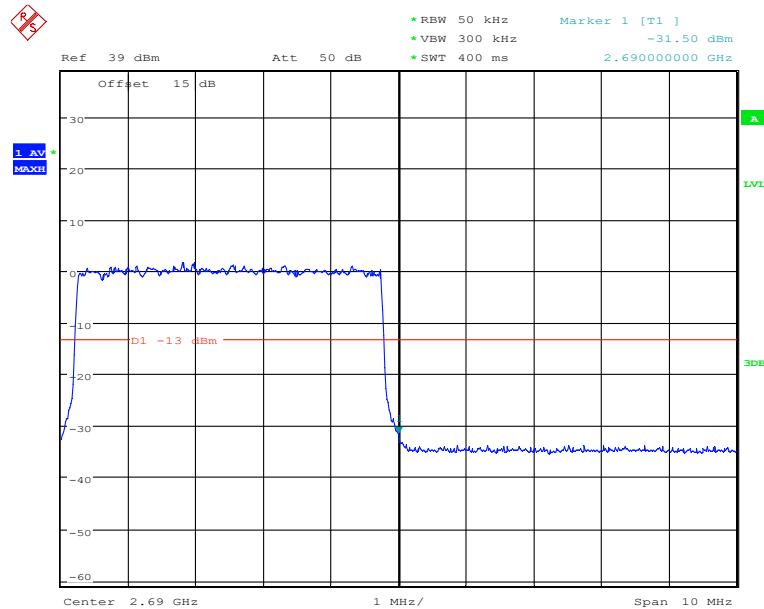
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 10:12:16

LTE Band41, 5MHz bandwidth, QPSK,(1,25) Mode, Above 2690MHz

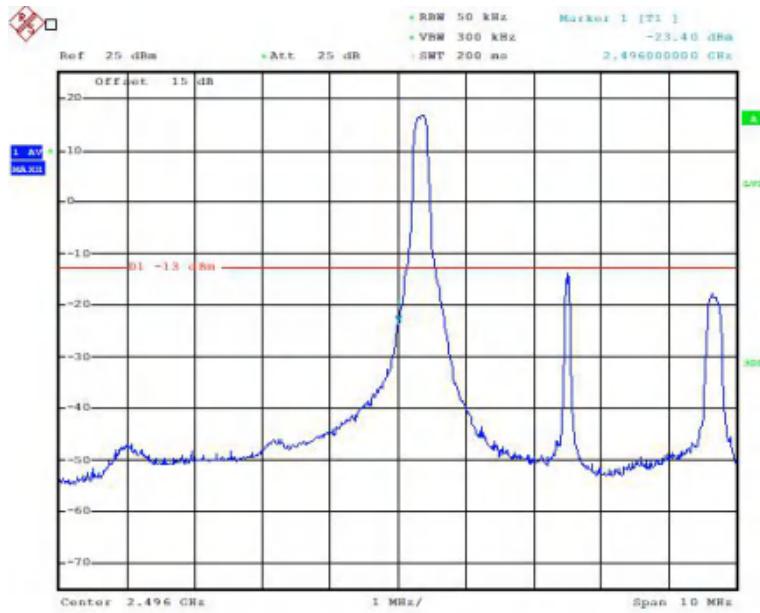


Date: 21.FEB.2020 10:12:34

LTE Band41, 5MHz bandwidth, QPSK,(25,0) Mode, Above 2690MHz

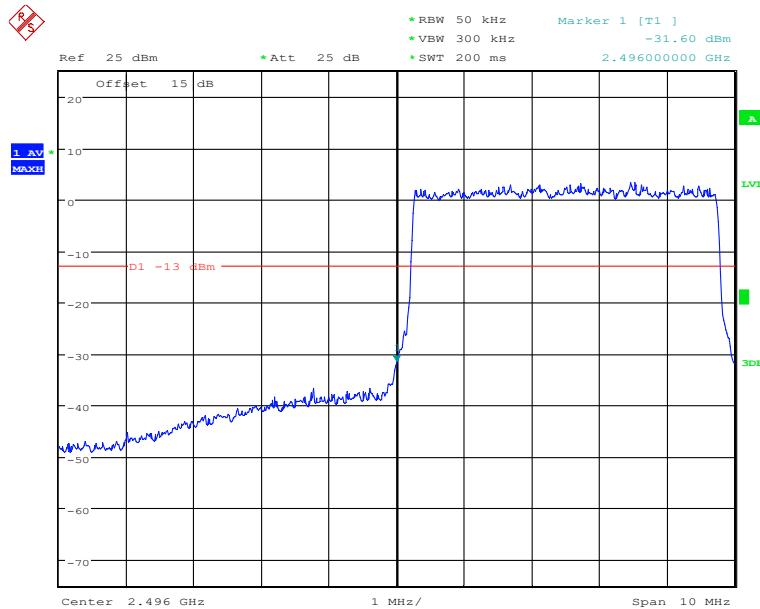
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 07:03:04

LTE Band41, 5MHz bandwidth, 16QAM,(1,0) Mode , Below 2496MHz

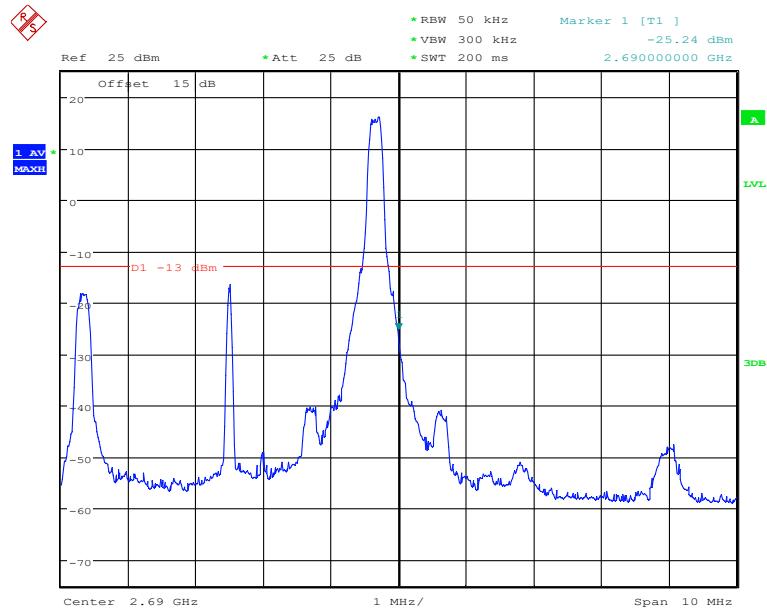


Date: 23.FEB.2020 07:03:18

LTE Band41, 5MHz bandwidth, 16QAM,(25,0) Mode , Below 2496MHz

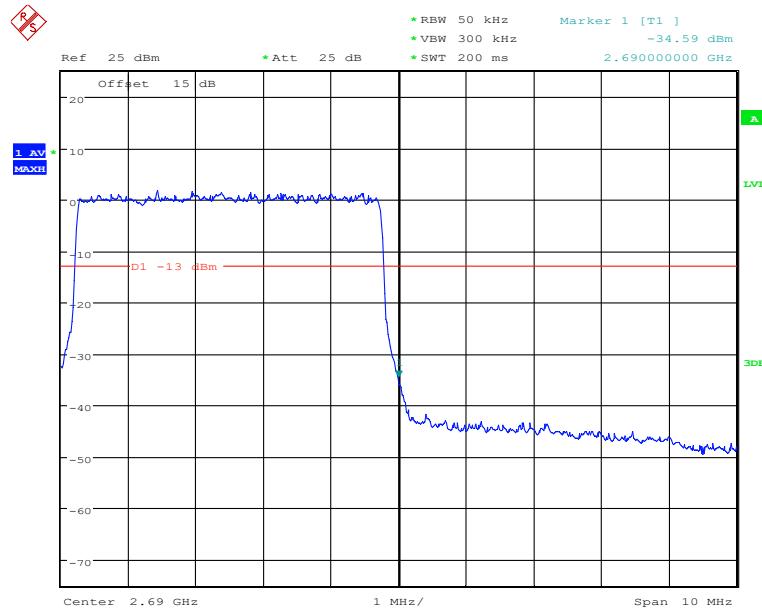
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 07:04:44

LTE Band41, 5MHz bandwidth, 16QAM,(1,25) Mode, Above 2690MHz

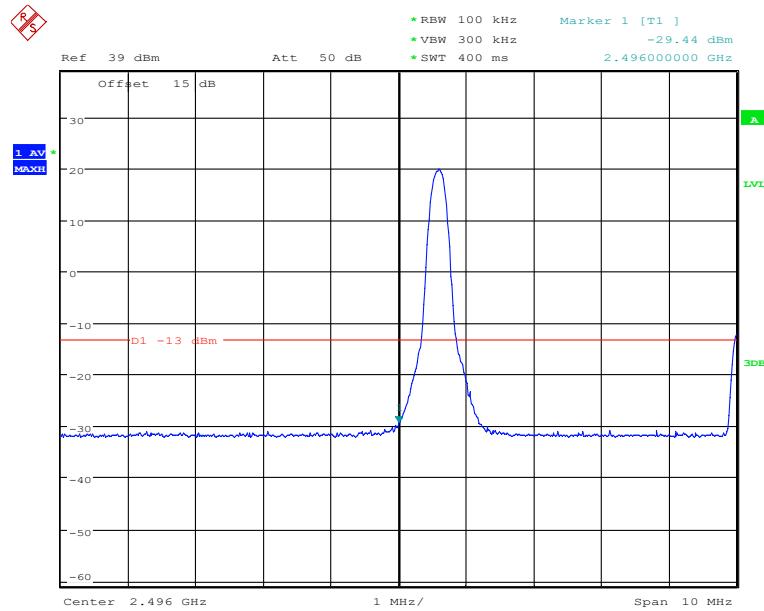


Date: 23.FEB.2020 07:04:26

LTE Band41, 5MHz bandwidth, 16QAM,(25,0) Mode, Above 2690MHz

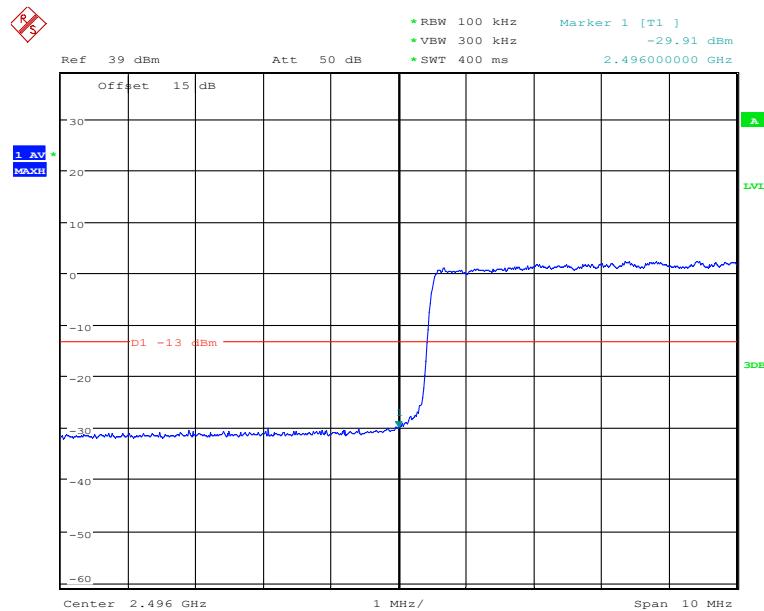
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 10:33:58

LTE Band41, 10MHz bandwidth, QPSK,(1,0) Mode , Below 2496MHz

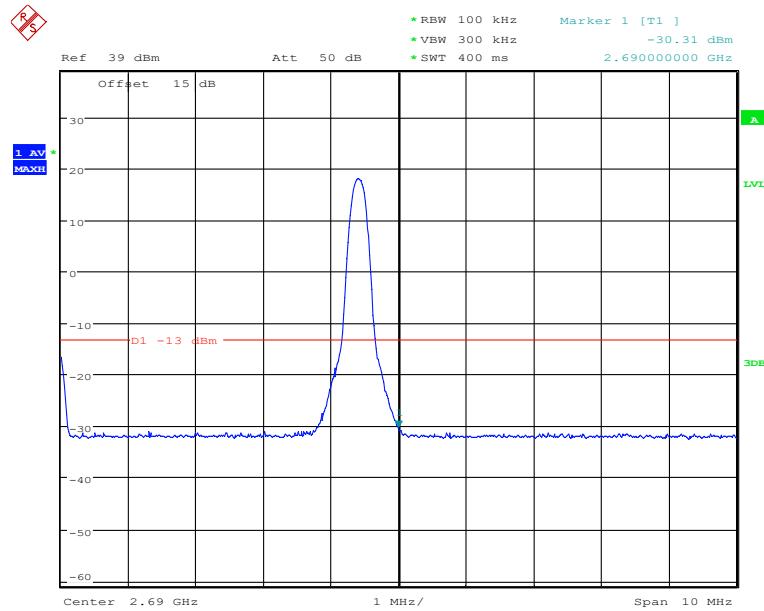


Date: 21.FEB.2020 10:34:17

LTE Band41, 10MHz bandwidth, QPSK,(50,0) Mode , Below 2496MHz

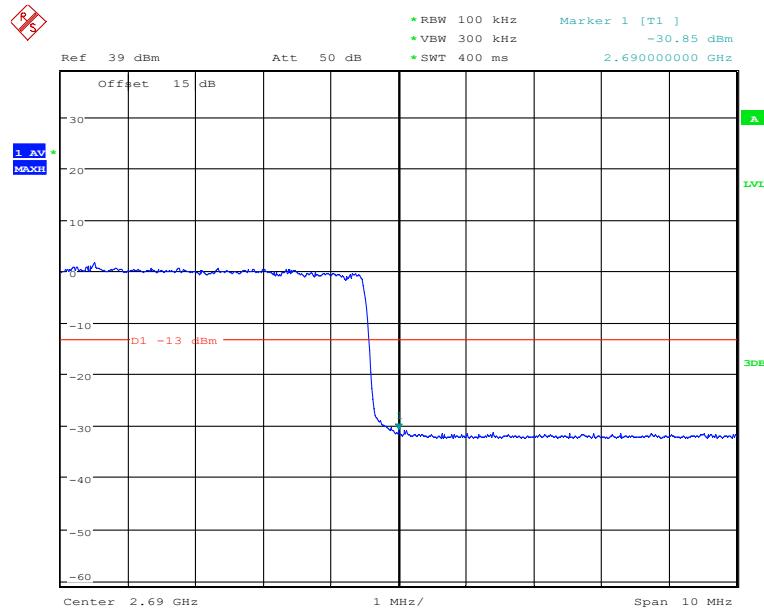
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 10:35:20

LTE Band41, 10MHz bandwidth, QPSK,(1,50) Mode, Above 2690MHz

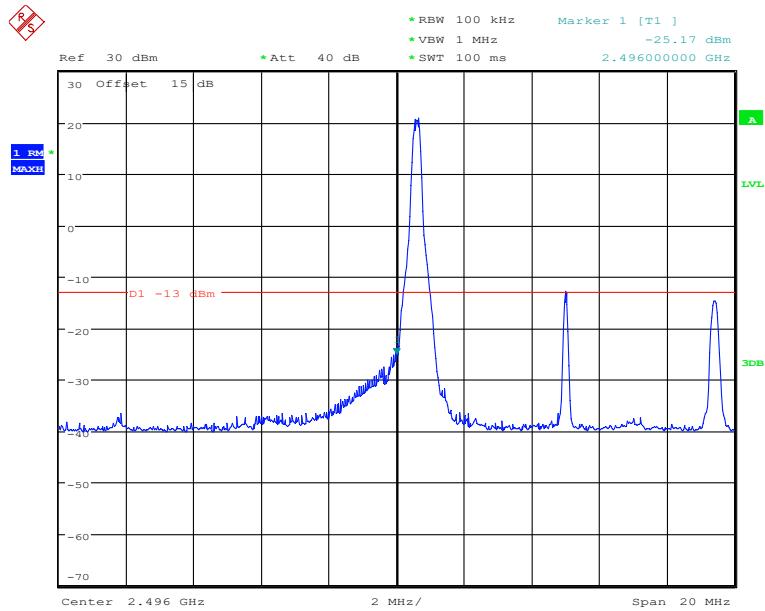


Date: 21.FEB.2020 10:35:37

LTE Band41, 10MHz bandwidth, QPSK,(50,0) Mode, Above 2690MHz

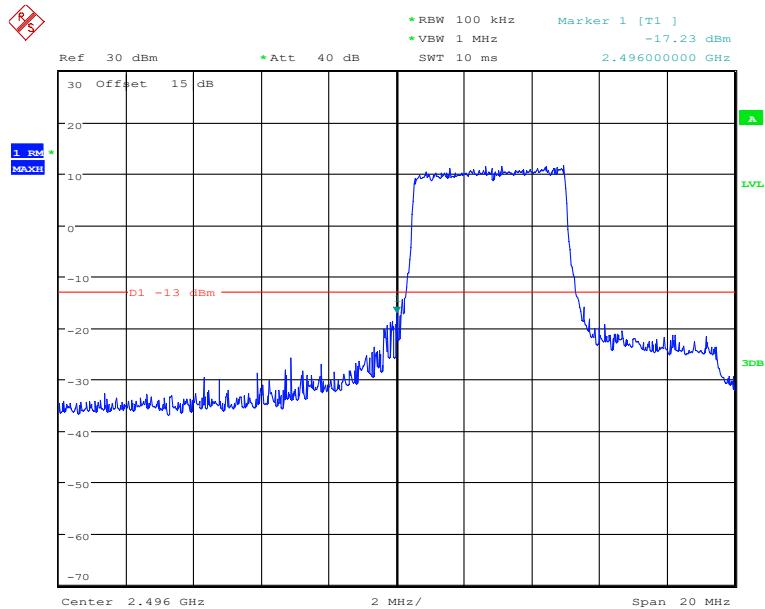
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 03:59:05

LTE Band41, 10MHz bandwidth, 16QAM,(1,0) Mode , Below 2496MHz



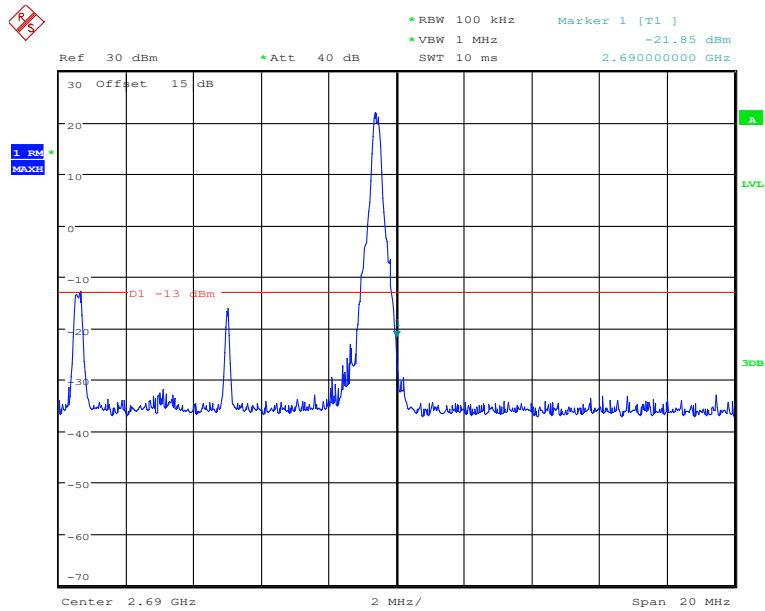
Date: 25.FEB.2020 03:59:40

LTE Band41, 10MHz bandwidth, 16QAM,(50,0) Mode , Below 2496MHz

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

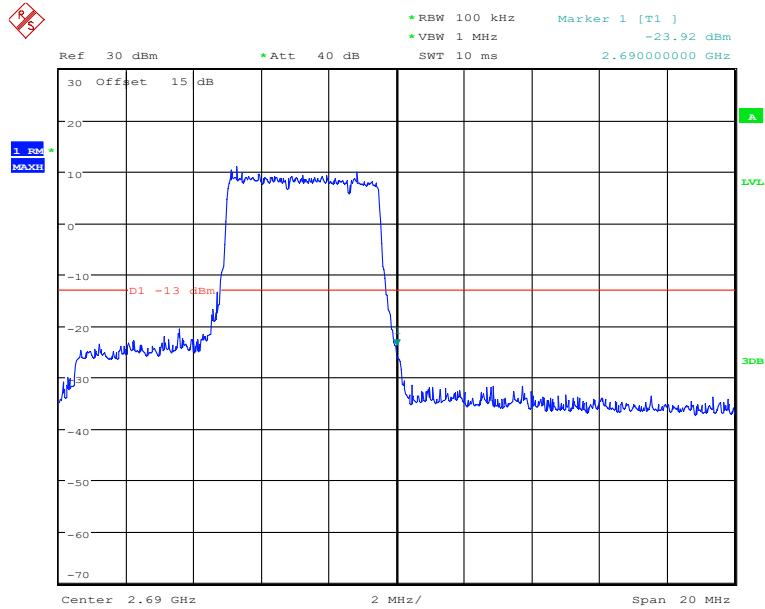
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 04:21:51

LTE Band41, 10MHz bandwidth, 16QAM,(1,50) Mode, Above 2690MHz



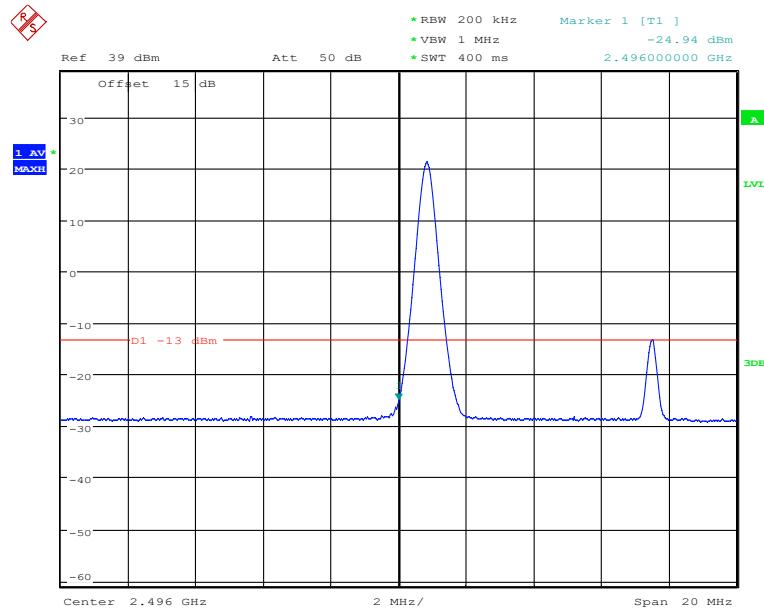
Date: 25.FEB.2020 04:22:10

LTE Band41, 10MHz bandwidth, 16QAM,(50,0) Mode, Above 2690MHz

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

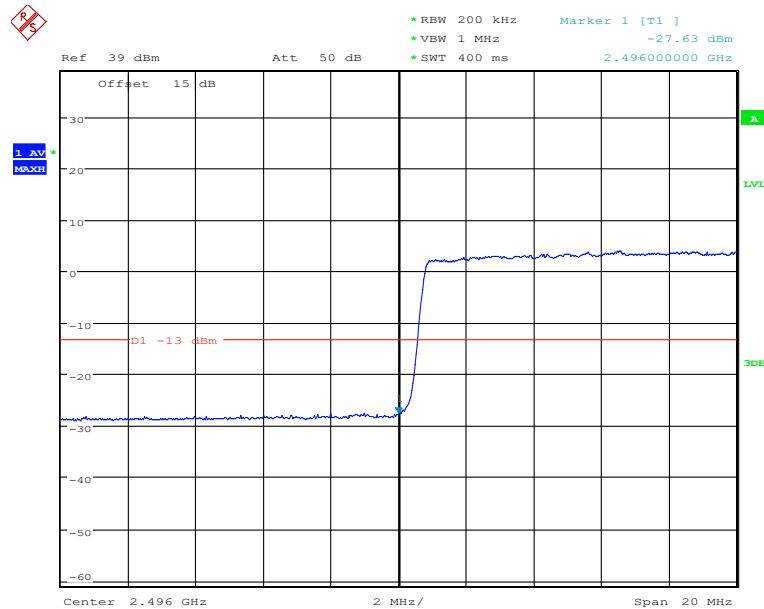
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 10:39:02

LTE Band41, 15MHz bandwidth, QPSK,(1,0) Mode , Below 2496MHz

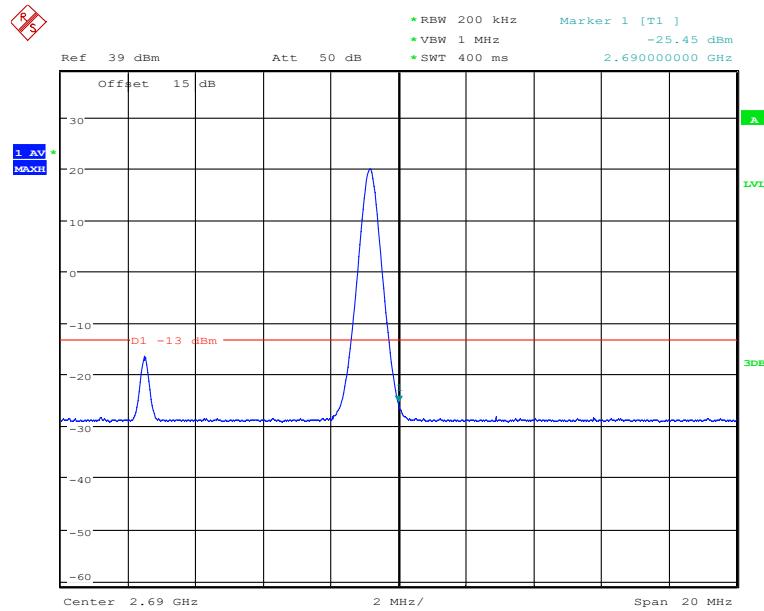


Date: 21.FEB.2020 10:39:19

LTE Band41, 15MHz bandwidth, QPSK,(75,0) Mode , Below 2496MHz

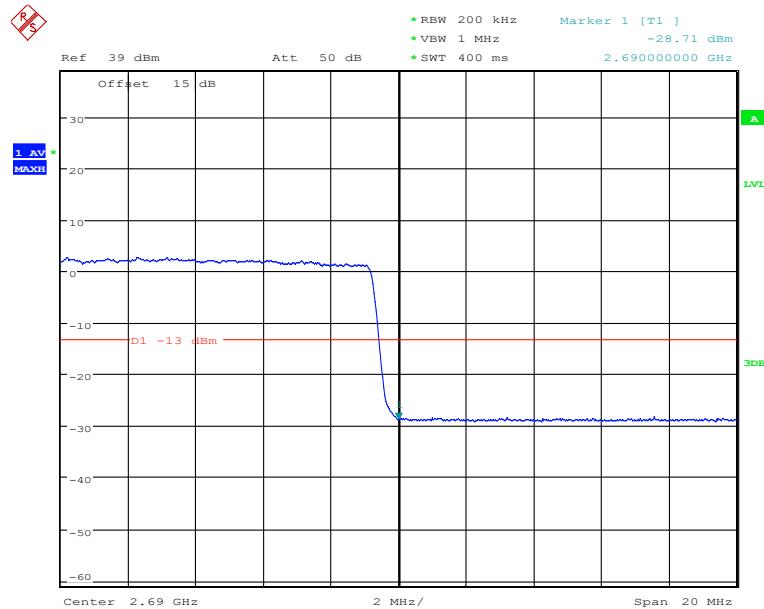
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 10:40:40

LTE Band41, 15MHz bandwidth, QPSK,(1,75) Mode, Above 2690MHz

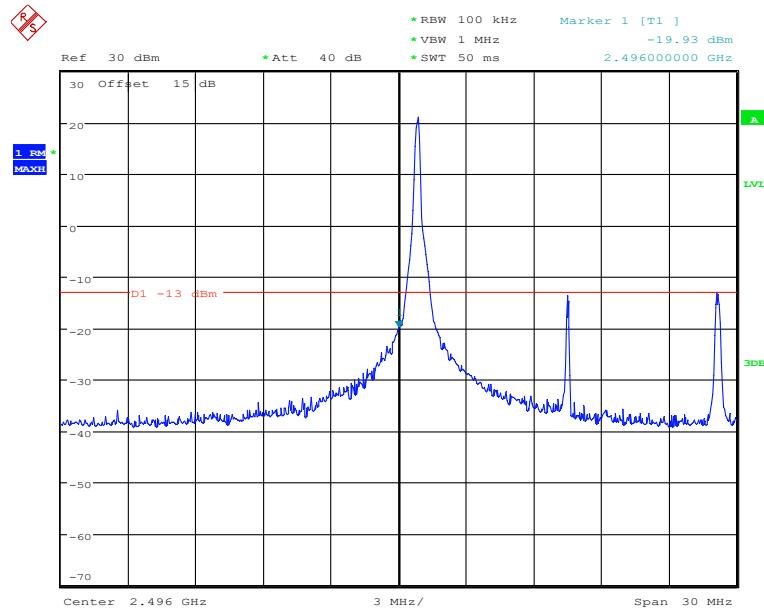


Date: 21.FEB.2020 10:40:12

LTE Band41, 15MHz bandwidth, QPSK,(75,0) Mode, Above 2690MHz

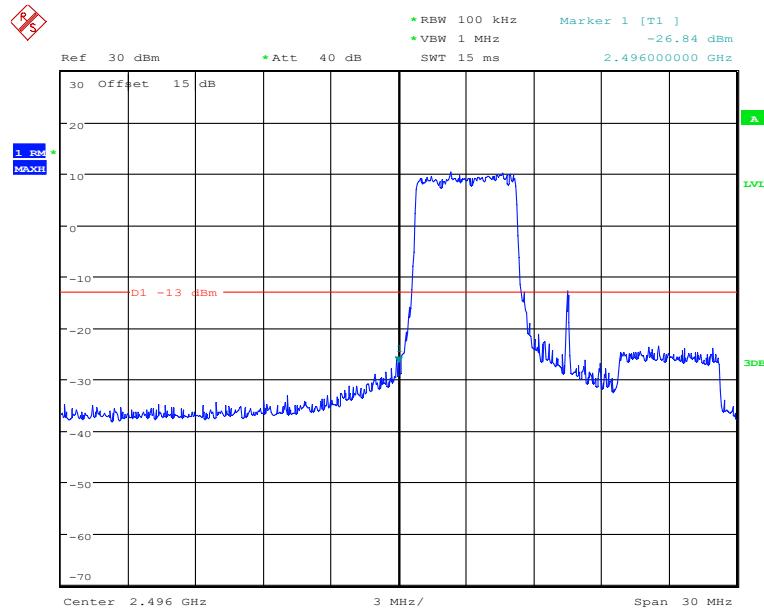
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 04:40:22

LTE Band41, 15MHz bandwidth, 16QAM,(1,0) Mode , Below 2496MHz

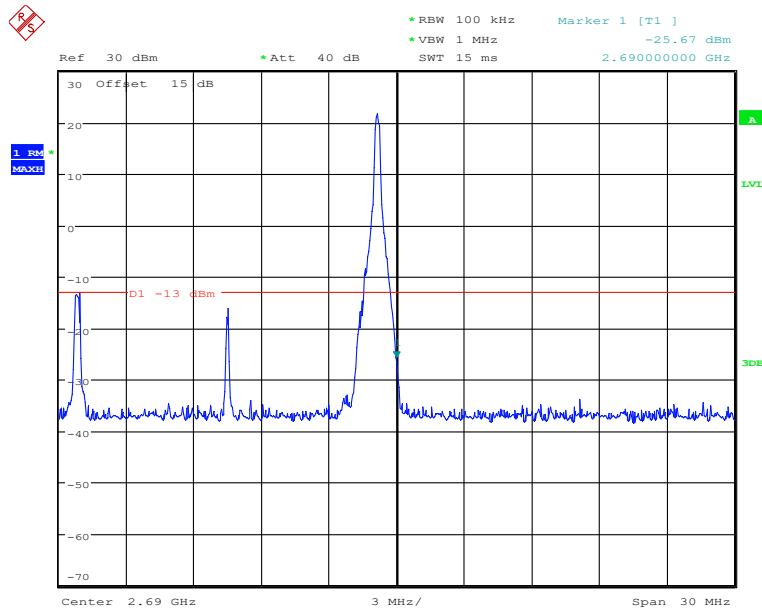


Date: 25.FEB.2020 04:38:07

LTE Band41, 15MHz bandwidth, 16QAM,(75,0) Mode , Below 2496MHz

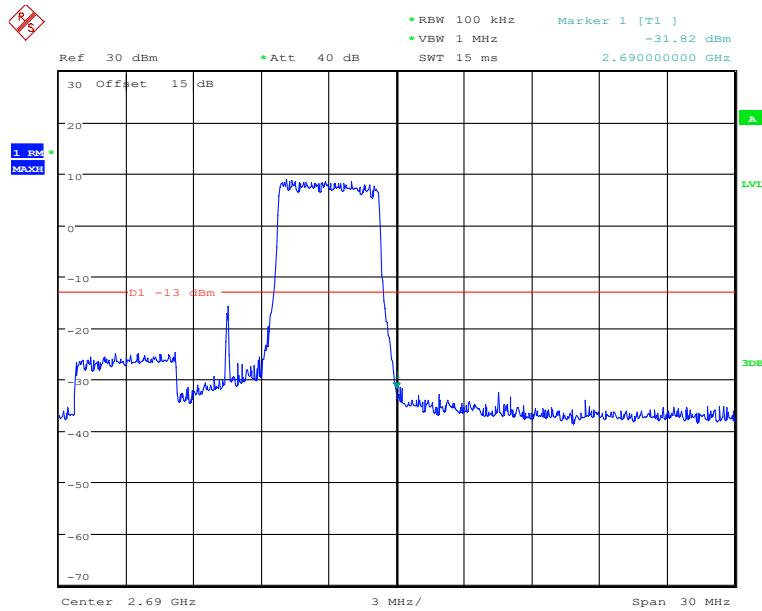
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 04:36:45

LTE Band41, 15MHz bandwidth, 16QAM,(1,75) Mode, Above 2690MHz



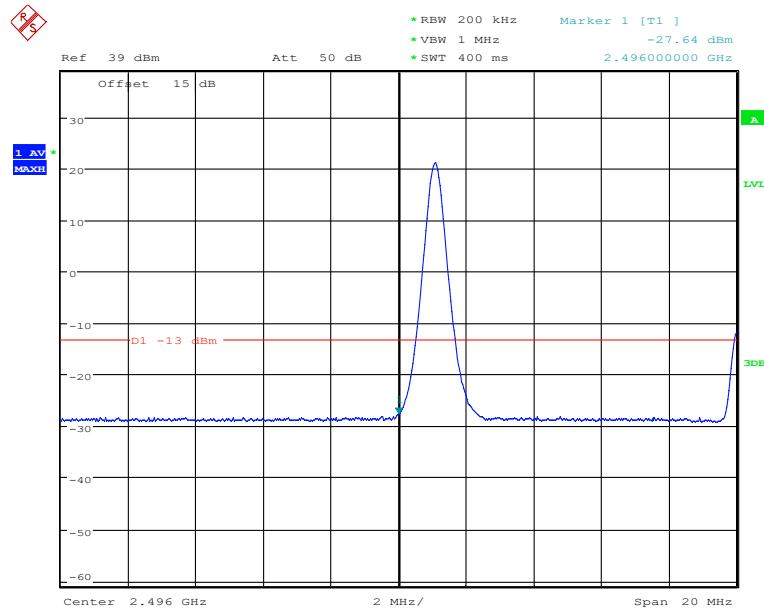
Date: 25.FEB.2020 04:37:05

LTE Band41, 15MHz bandwidth, 16QAM,(75,0) Mode, Above 2690MHz

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

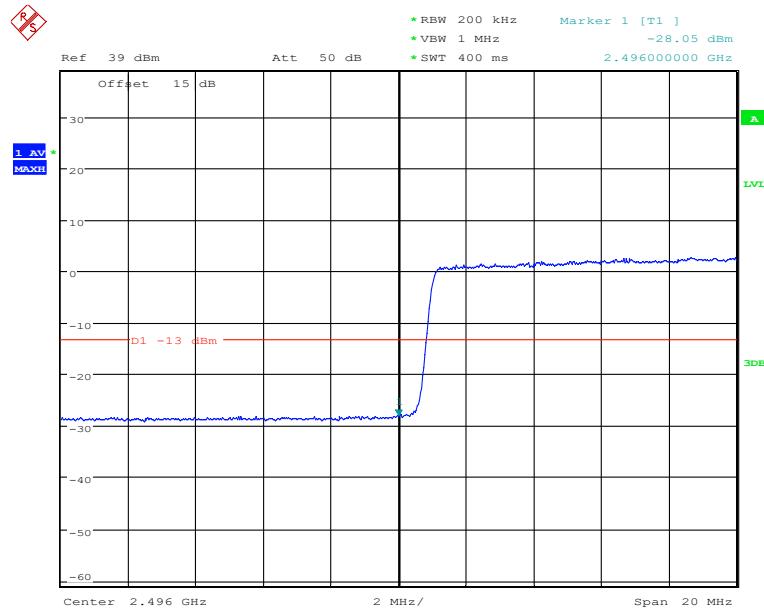
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 10:43:13

LTE Band41, 20MHz bandwidth, QPSK,(1,0) Mode , Below 2496MHz

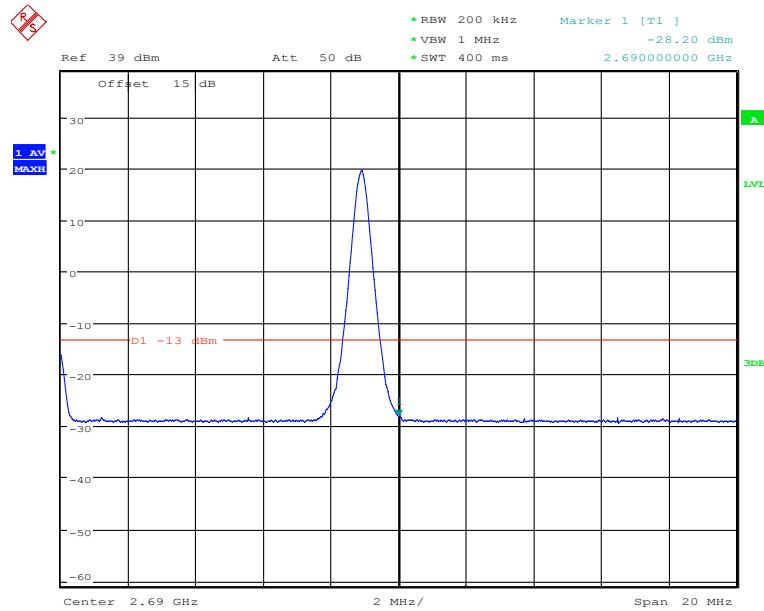


Date: 21.FEB.2020 10:43:28

LTE Band41, 20MHz bandwidth, QPSK,(100,0) Mode , Below 2496MHz

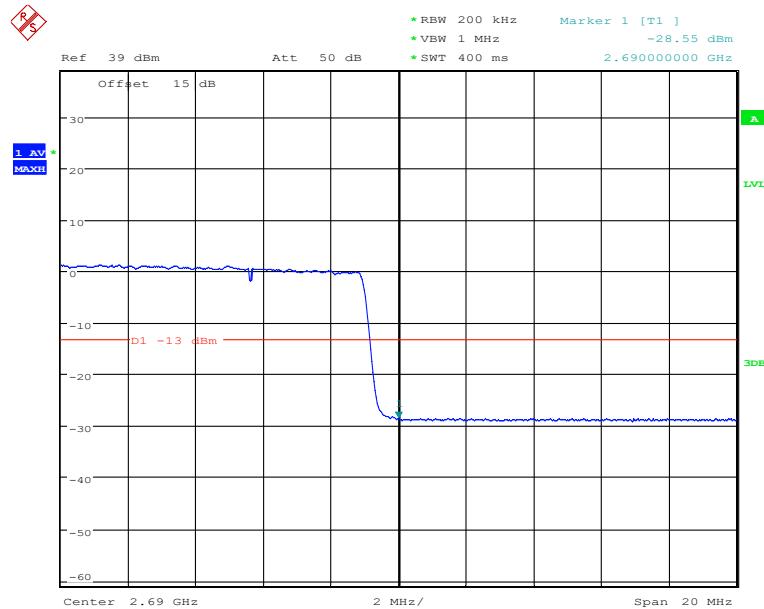
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 21.FEB.2020 10:44:34

LTE Band41, 20MHz bandwidth, QPSK,(1,100) Mode, Above 2690MHz

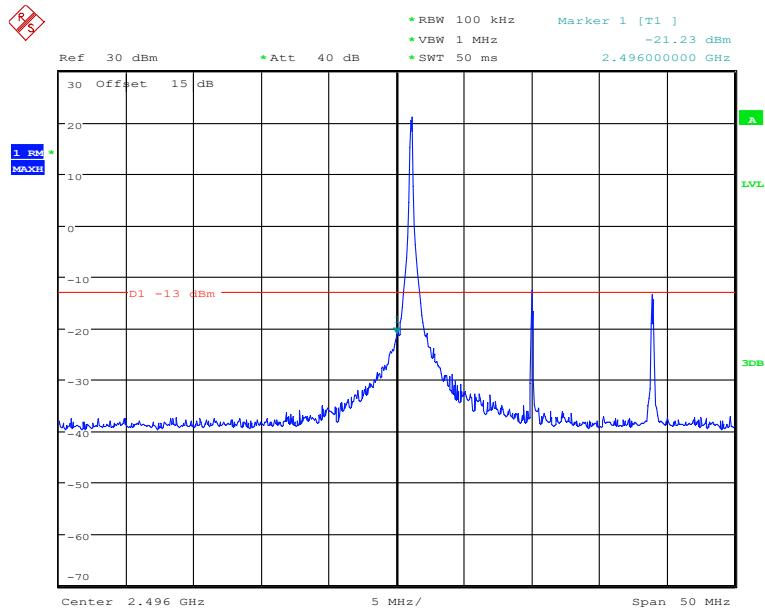


Date: 21.FEB.2020 10:44:15

LTE Band41, 20MHz bandwidth, QPSK,(100,0) Mode, Above 2690MHz

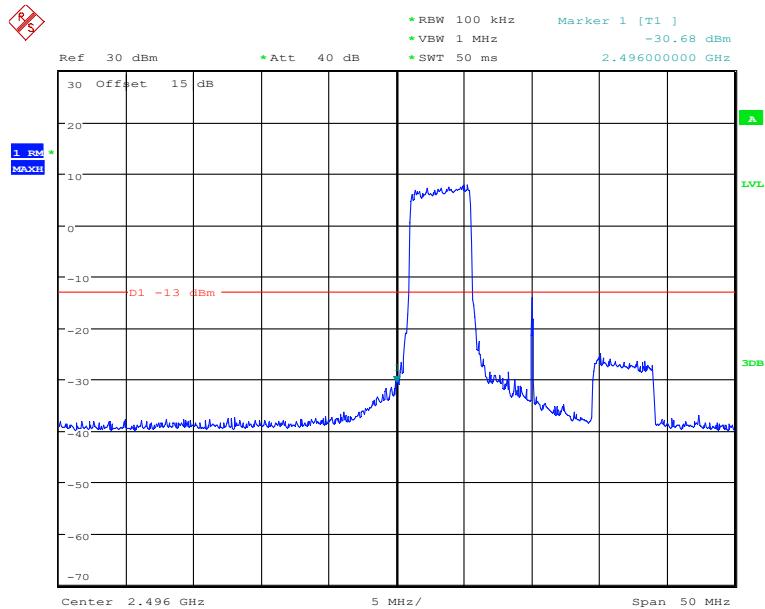
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 04:41:39

LTE Band41, 20MHz bandwidth, 16QAM,(1,0) Mode , Below 2496MHz

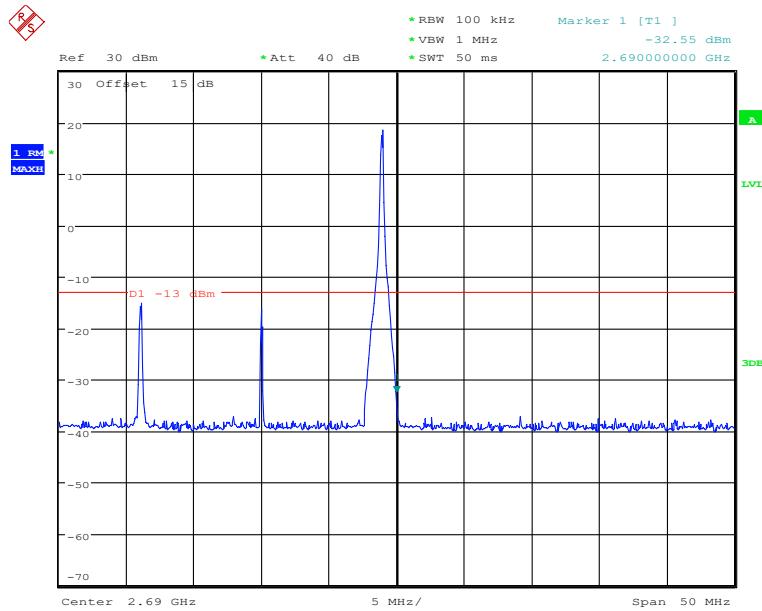


Date: 25.FEB.2020 04:42:05

LTE Band41, 20MHz bandwidth, 16QAM,(100,0) Mode , Below 2496MHz

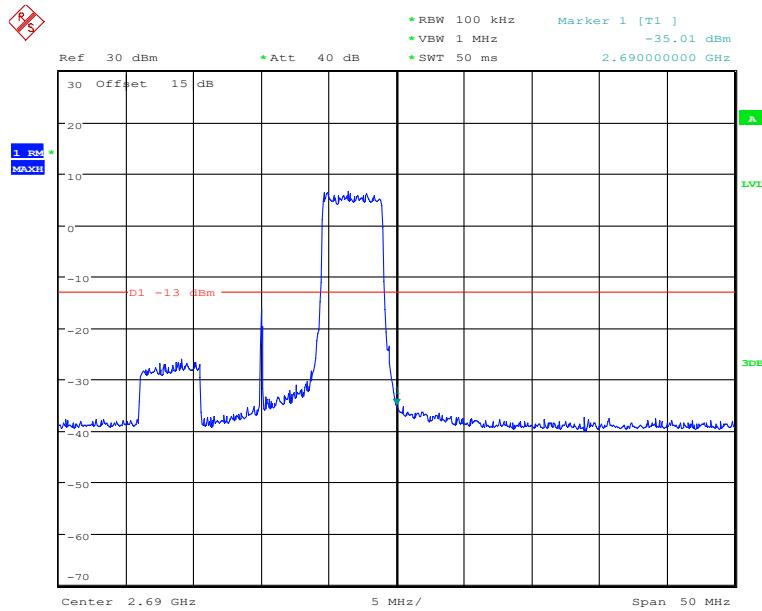
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 04:43:13

LTE Band41, 20MHz bandwidth, 16QAM,(1,100) Mode, Above 2690MHz

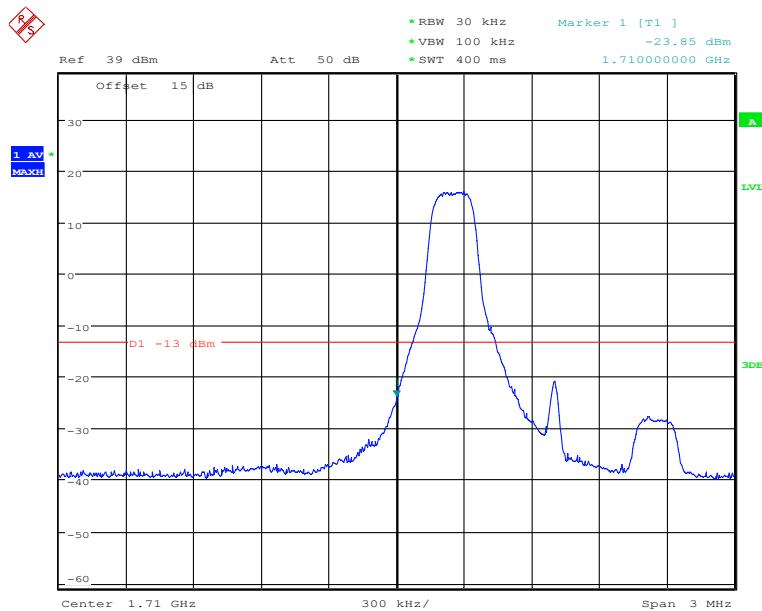


Date: 25.FEB.2020 04:42:50

LTE Band41, 20MHz bandwidth, 16QAM,(100,0) Mode, Above 2690MHz

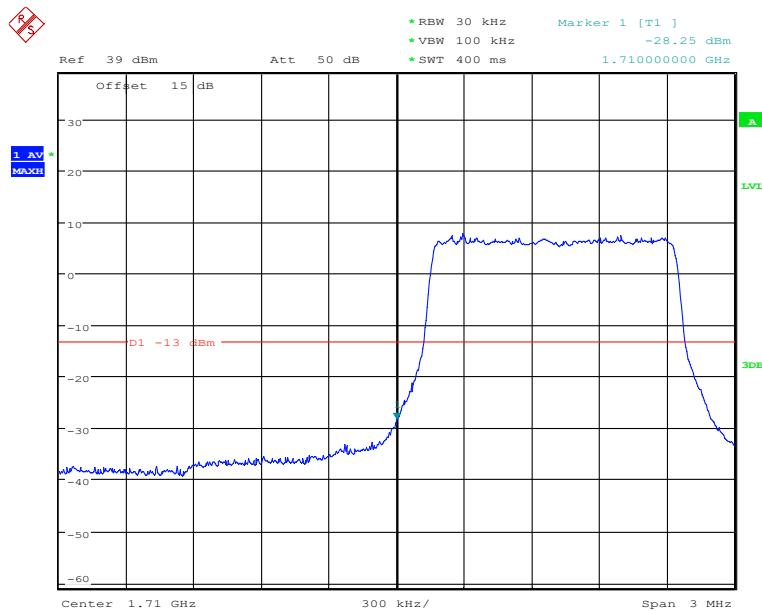
### 5.5.12 LTE B66 Band Edge Results

NOTE: Only the worst case



Date: 21.FEB.2020 10:46:15

LTE Band66, 1.4MHz bandwidth, QPSK,(1,0) Mode , Below 1710MHz

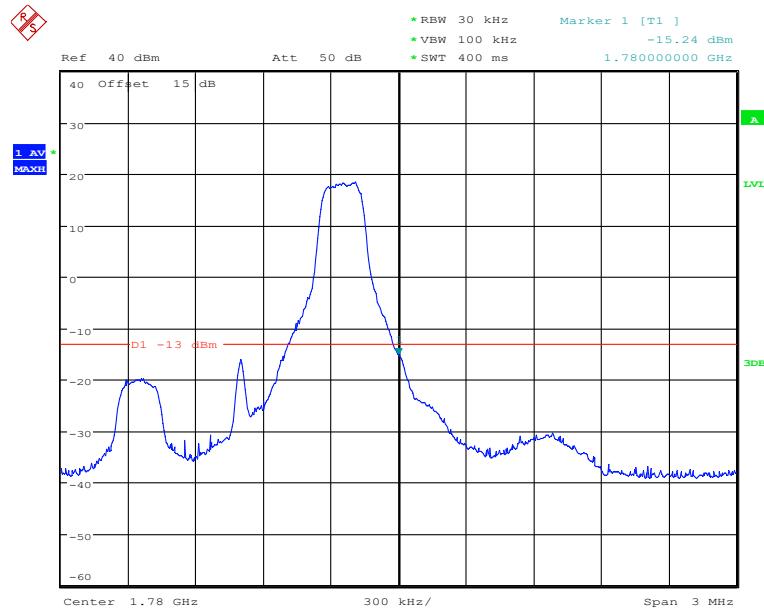


Date: 21.FEB.2020 10:46:29

LTE Band66, 1.4MHz bandwidth, QPSK,(6,0) Mode , Below 1710MHz

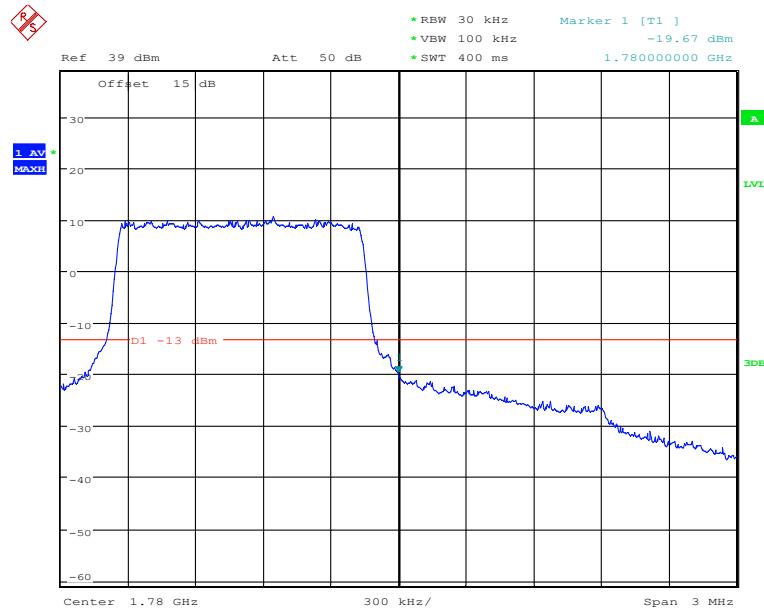
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 22.FEB.2020 03:59:35

LTE Band66, 1.4MHz bandwidth, QPSK,(1,6) Mode, Above 1780MHz

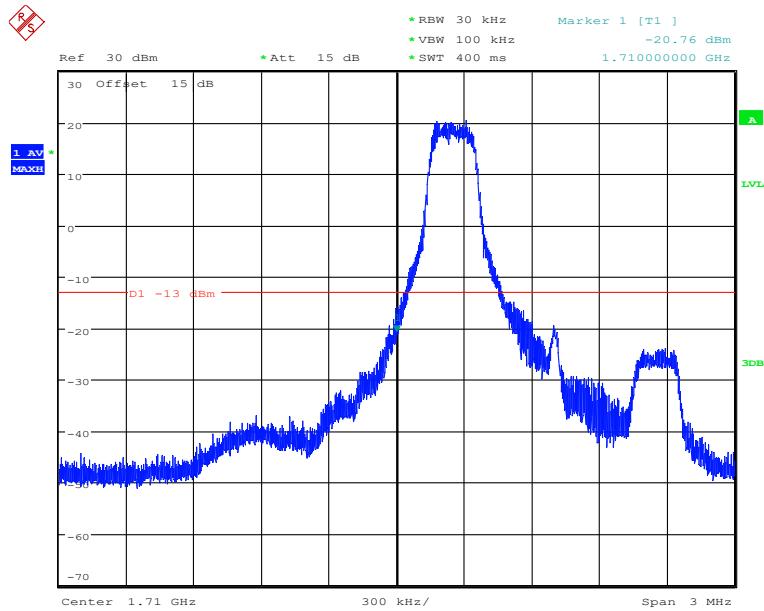


Date: 21.FEB.2020 10:47:04

LTE Band66, 1.4MHz bandwidth, QPSK,(6,0) Mode, Above 1780MHz

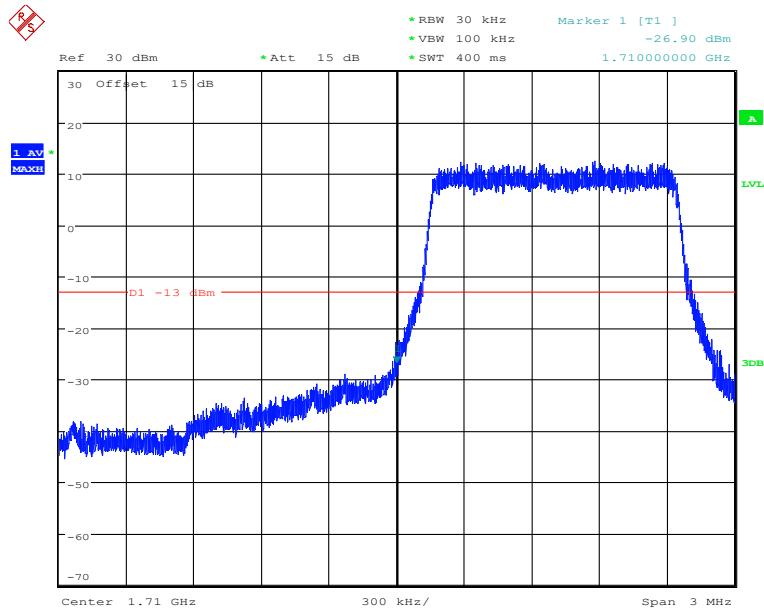
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 06:35:52

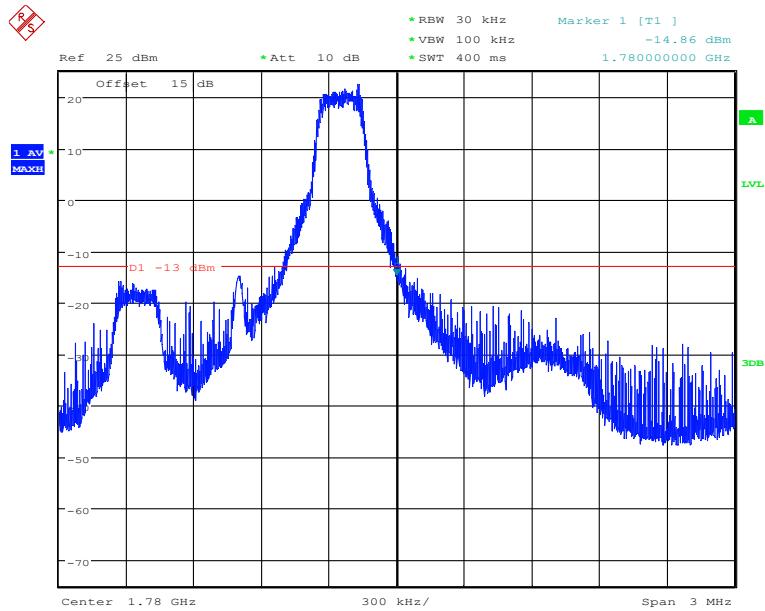
LTE Band66, 1.4MHz bandwidth, 16QAM,(1,0) Mode , Below 1710MHz



Date: 23.FEB.2020 06:36:05

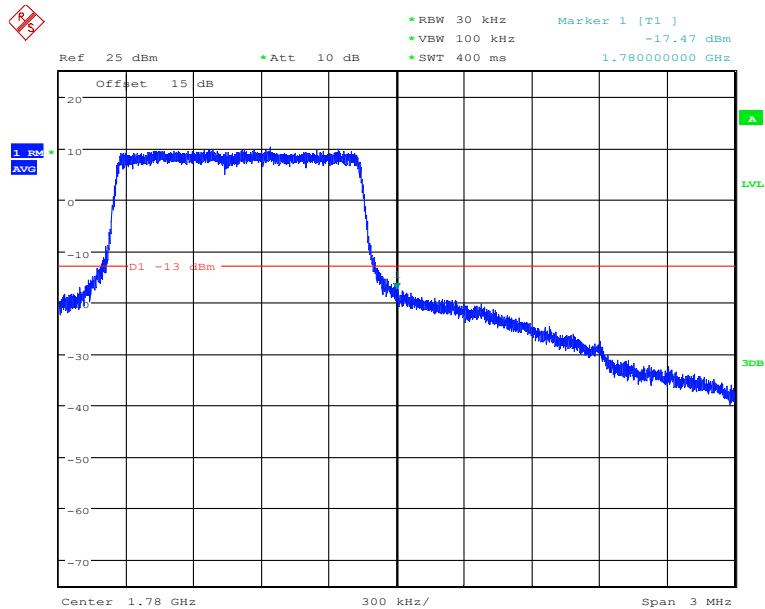
LTE Band66, 1.4MHz bandwidth, 16QAM,(6,0) Mode , Below 1710MHz

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 06:40:23

LTE Band66, 1.4MHz bandwidth, 16QAM,(1,6) Mode, Above 1780MHz

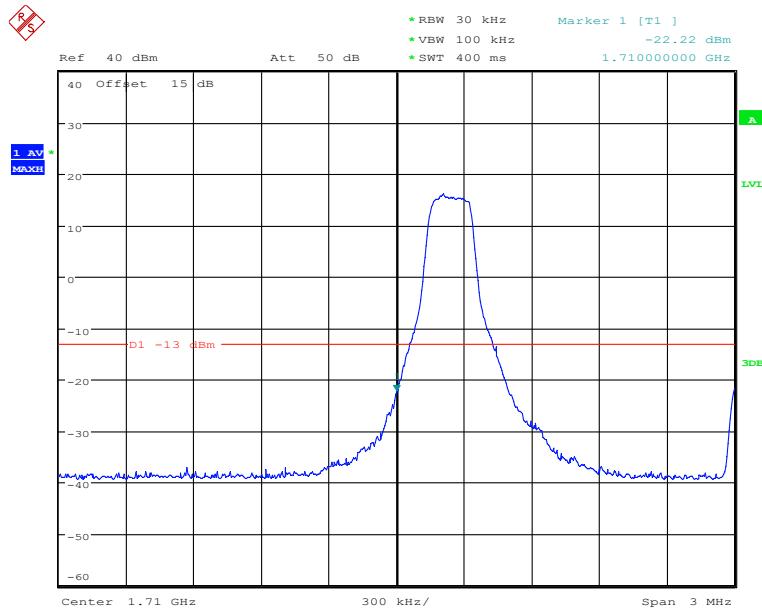


Date: 23.FEB.2020 06:41:29

LTE Band66, 1.4MHz bandwidth, 16QAM,(6,0) Mode, Above 1780MHz

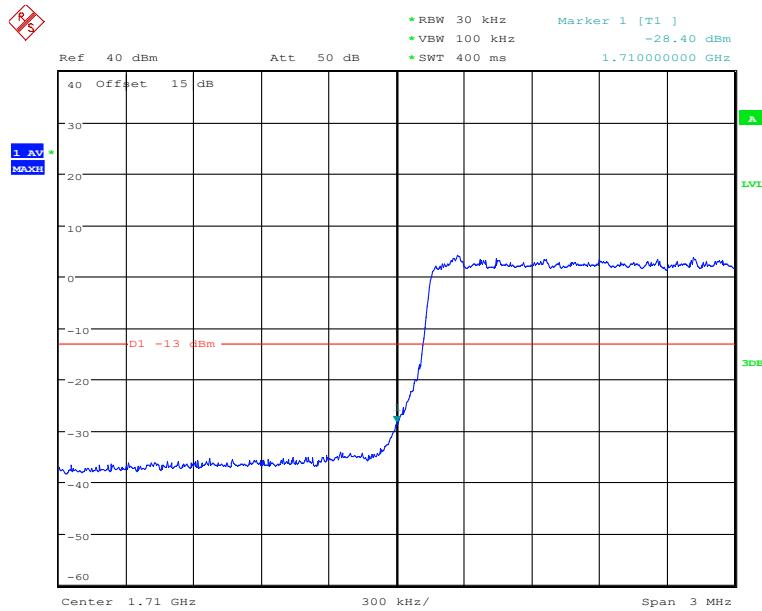
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 22.FEB.2020 04:03:04

LTE Band66, 3MHz bandwidth, QPSK,(1,0) Mode , Below 1710MHz

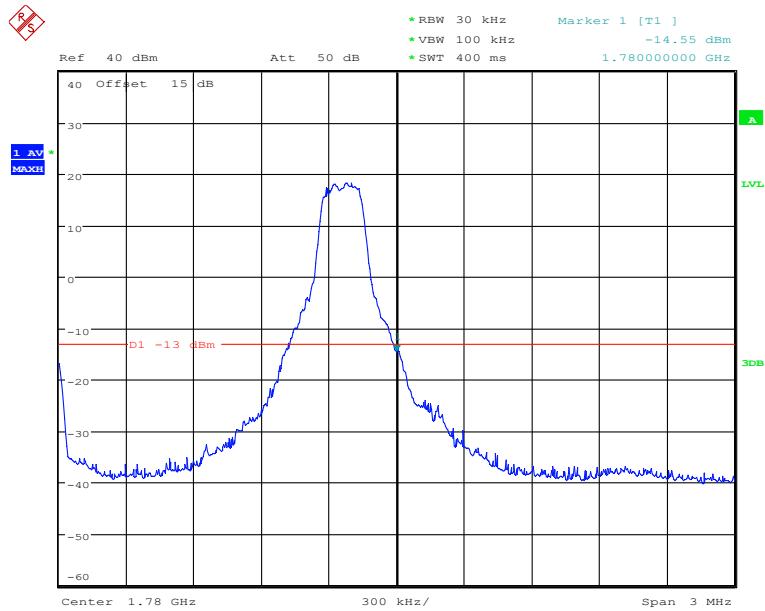


Date: 22.FEB.2020 04:03:27

LTE Band66, 3MHz bandwidth, QPSK,(15,0) Mode , Below 1710MHz

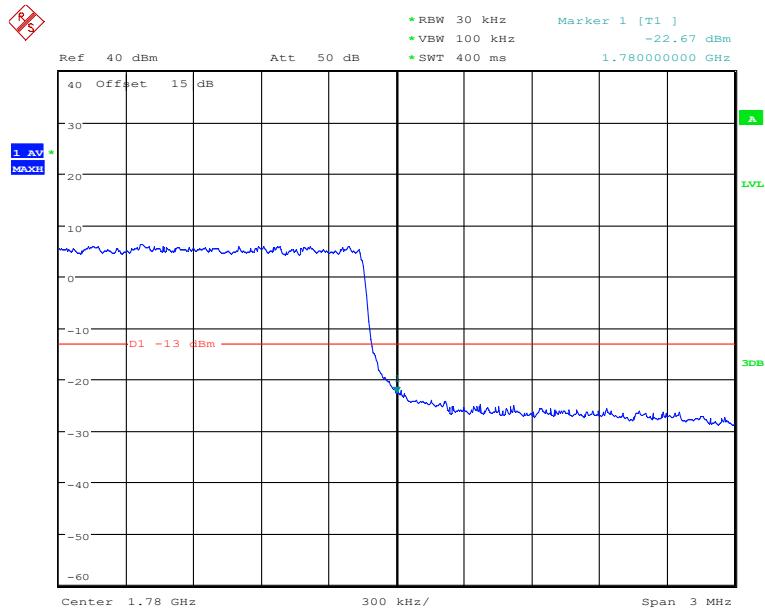
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 22.FEB.2020 04:06:41

LTE Band66, 3MHz bandwidth, QPSK,(1,15) Mode, Above 1780MHz

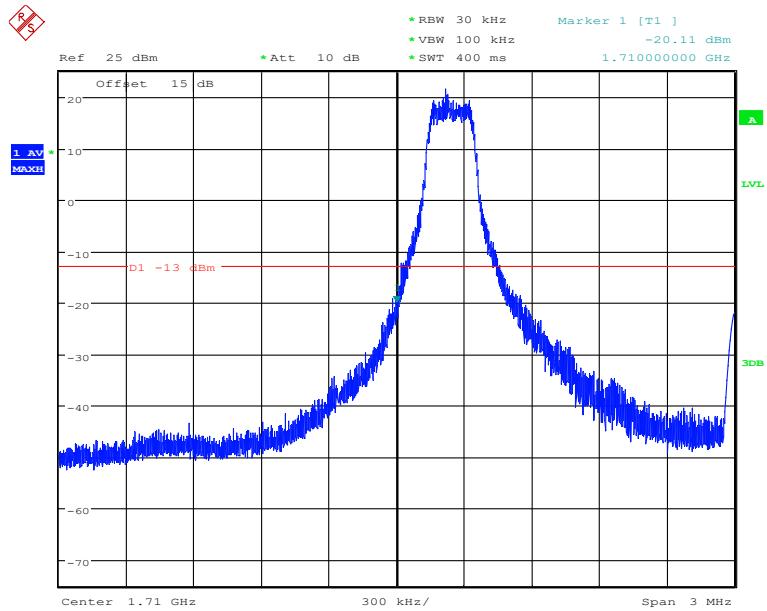


Date: 22.FEB.2020 04:04:21

LTE Band66, 3MHz bandwidth, QPSK,(15,0) Mode, Above 1780MHz

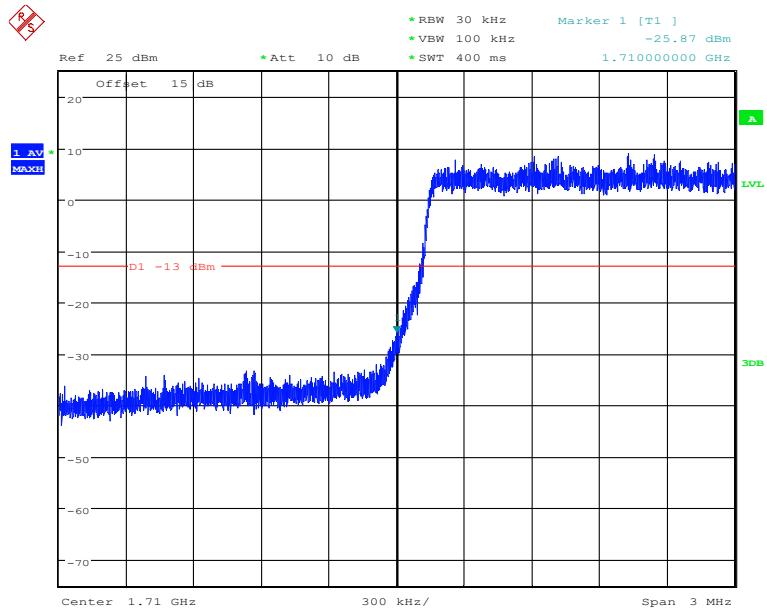
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 06:42:48

LTE Band66, 3MHz bandwidth, 16QAM,(1,0) Mode , Below 1710MHz



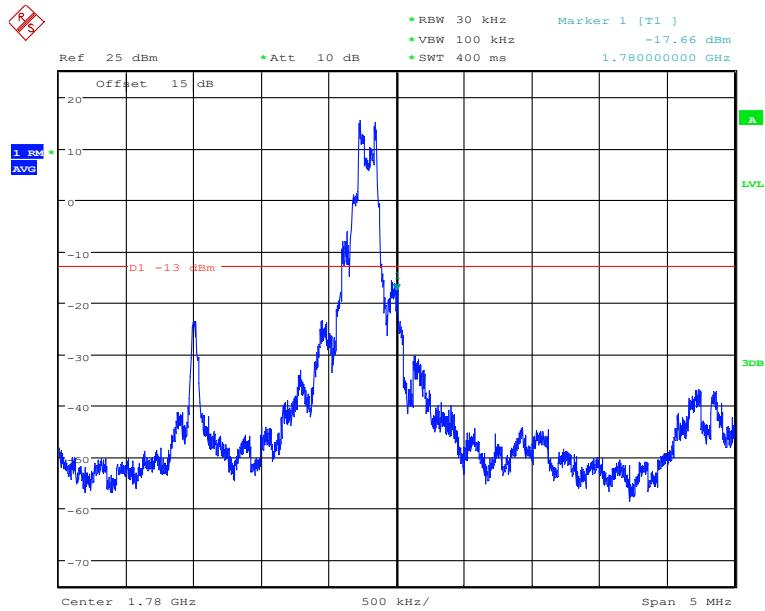
Date: 23.FEB.2020 06:43:03

LTE Band66, 3MHz bandwidth, 16QAM,(15,0) Mode , Below 1710MHz

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

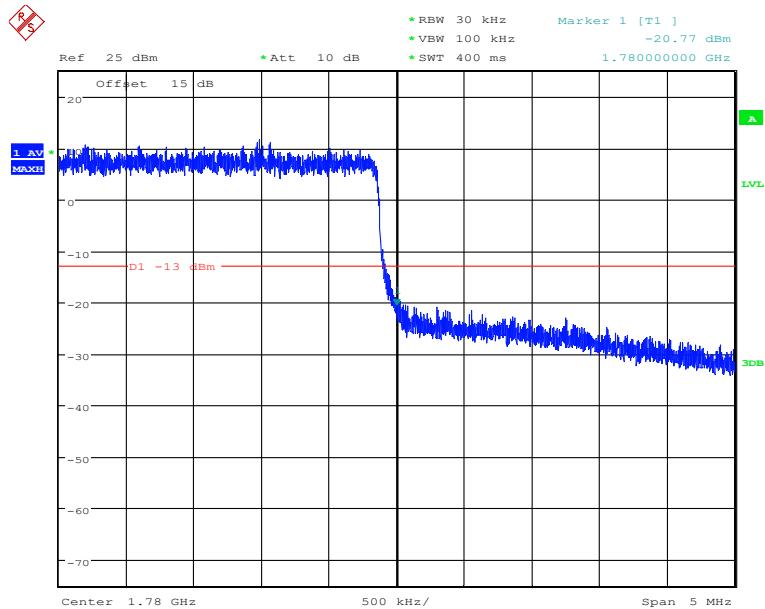
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 06:45:34

LTE Band66, 3MHz bandwidth, 16QAM,(1,15) Mode, Above 1780MHz

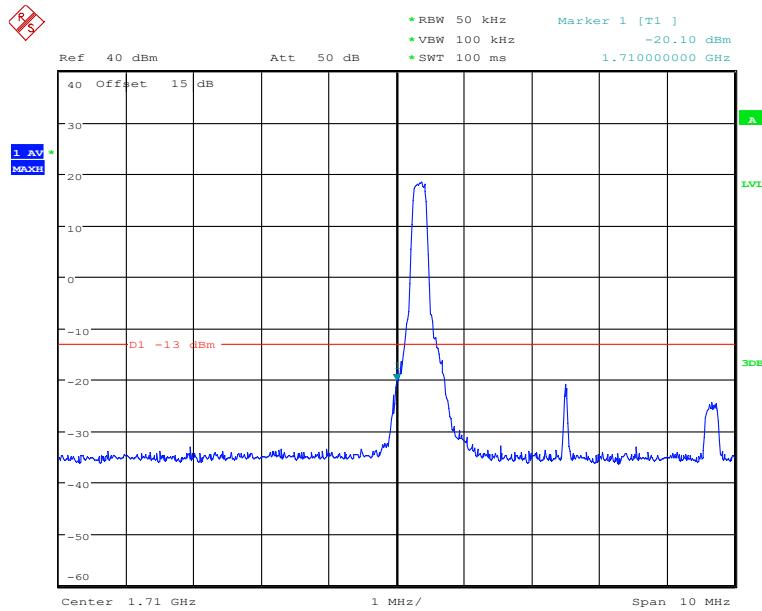


Date: 23.FEB.2020 06:43:53

LTE Band66, 3MHz bandwidth, 16QAM,(15,0) Mode, Above 1780MHz

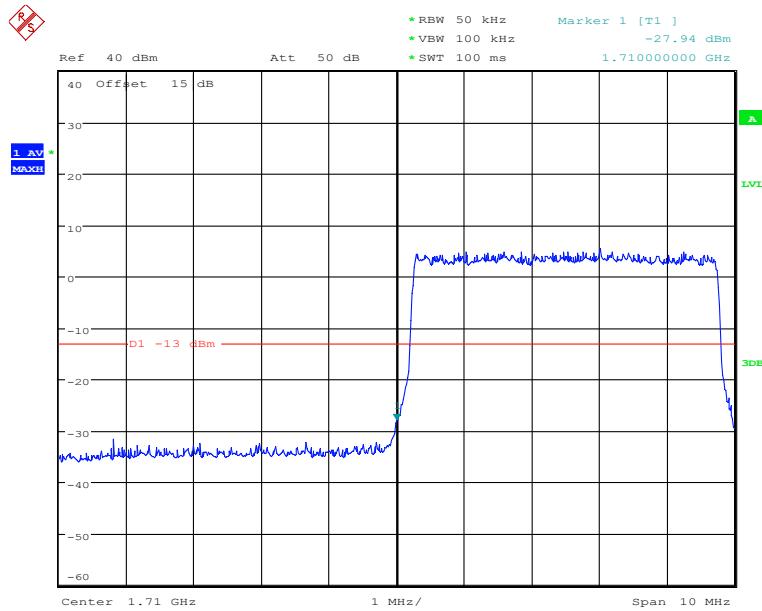
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 22.FEB.2020 04:09:50

LTE Band66, 5MHz bandwidth, QPSK,(1,0) Mode , Below 1710MHz

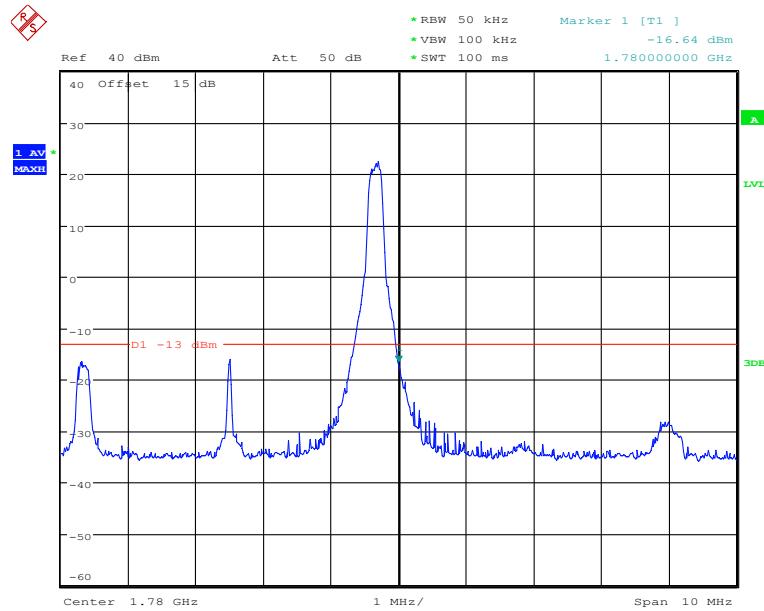


Date: 22.FEB.2020 04:10:07

LTE Band66, 5MHz bandwidth, QPSK,(25,0) Mode , Below 1710MHz

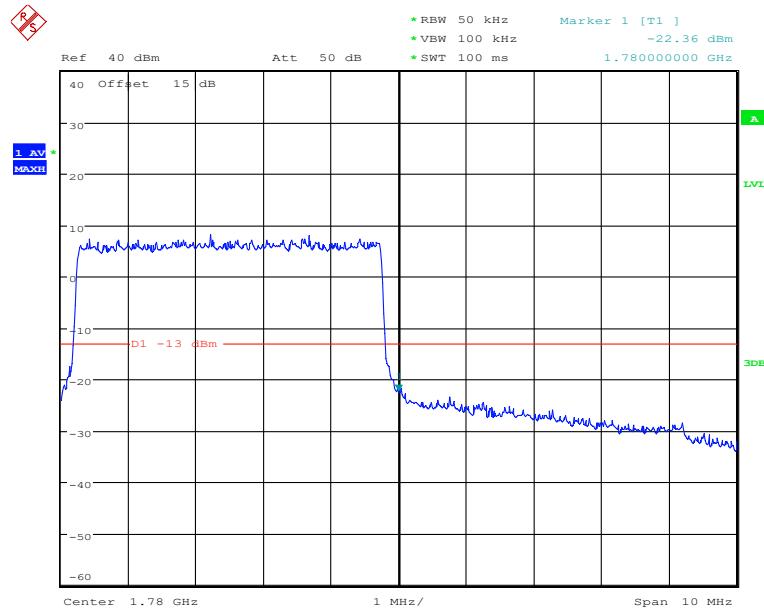
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 22.FEB.2020 04:11:07

LTE Band66, 5MHz bandwidth, QPSK,(1,25) Mode, Above 1780MHz

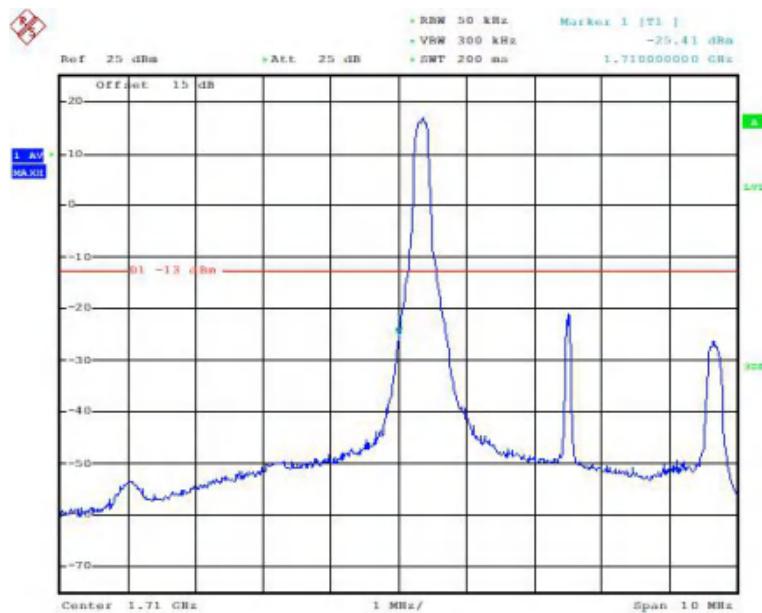


Date: 22.FEB.2020 04:11:19

LTE Band66, 5MHz bandwidth, QPSK,(25,0) Mode, Above 1780MHz

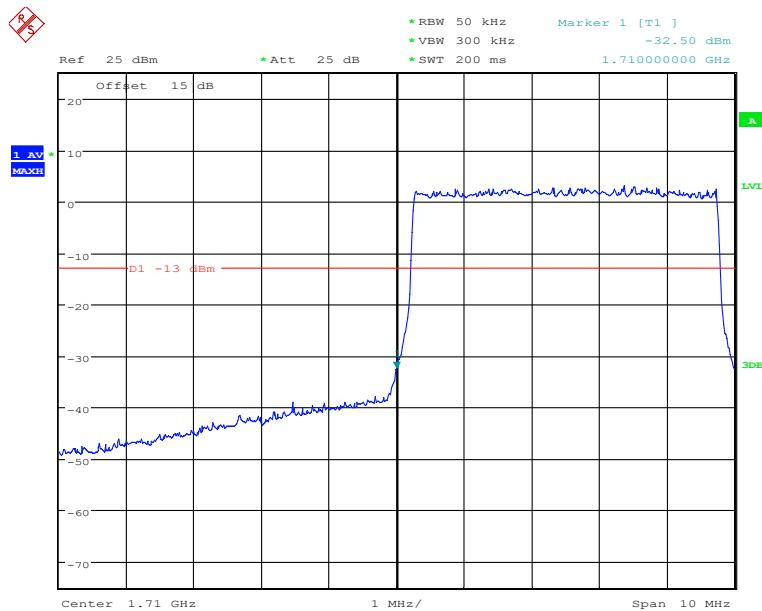
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 07:06:51

LTE Band66, 5MHz bandwidth, 16QAM,(1,0) Mode , Below 1710MHz

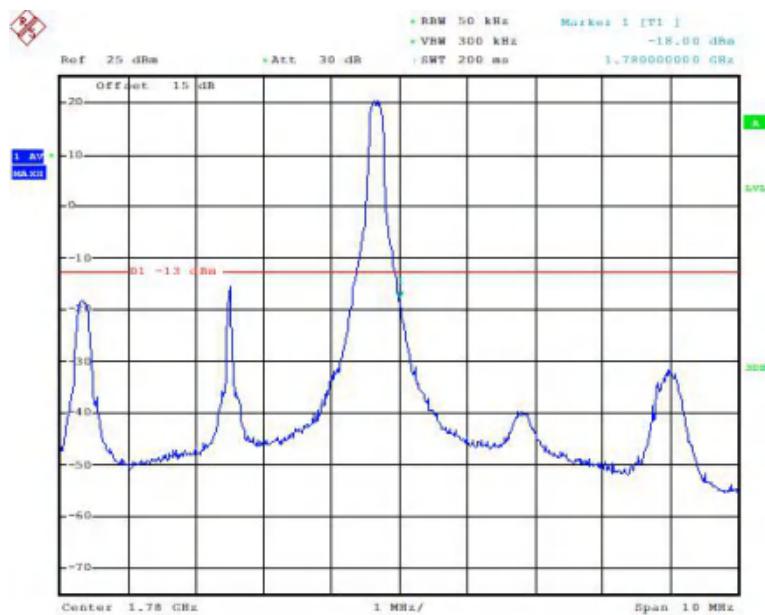


Date: 23.FEB.2020 07:07:21

LTE Band66, 5MHz bandwidth, 16QAM,(25,0) Mode , Below 1710MHz

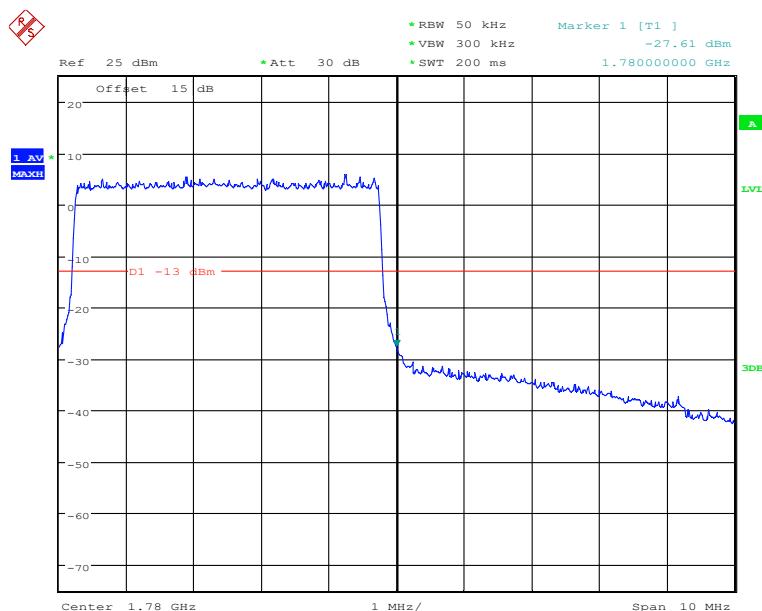
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 23.FEB.2020 07:08:06

LTE Band66, 5MHz bandwidth, 16QAM,(1,25) Mode, Above 1780MHz

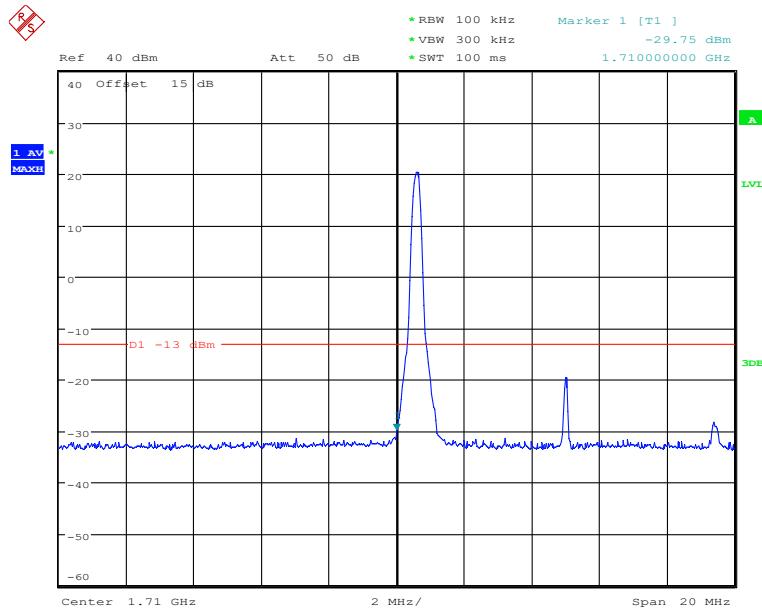


Date: 23.FEB.2020 07:07:46

LTE Band66, 5MHz bandwidth, 16QAM,(25,0) Mode, Above 1780MHz

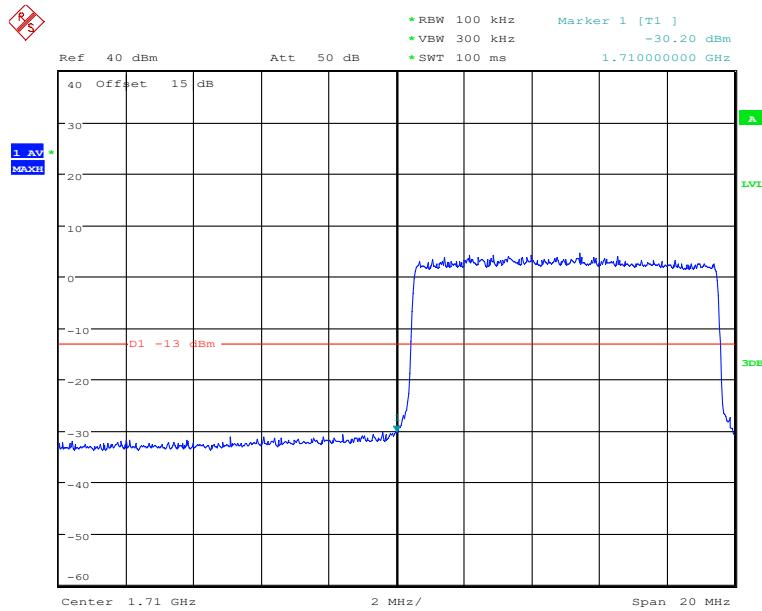
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 22.FEB.2020 04:14:24

LTE Band66, 10MHz bandwidth, QPSK,(1,0) Mode , Below 1710MHz

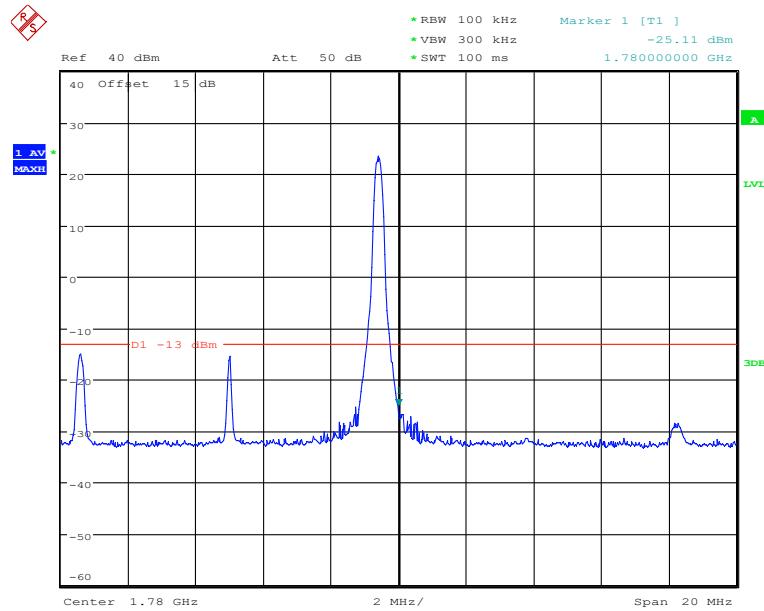


Date: 22.FEB.2020 04:14:38

LTE Band66, 10MHz bandwidth, QPSK,(50,0) Mode , Below 1710MHz

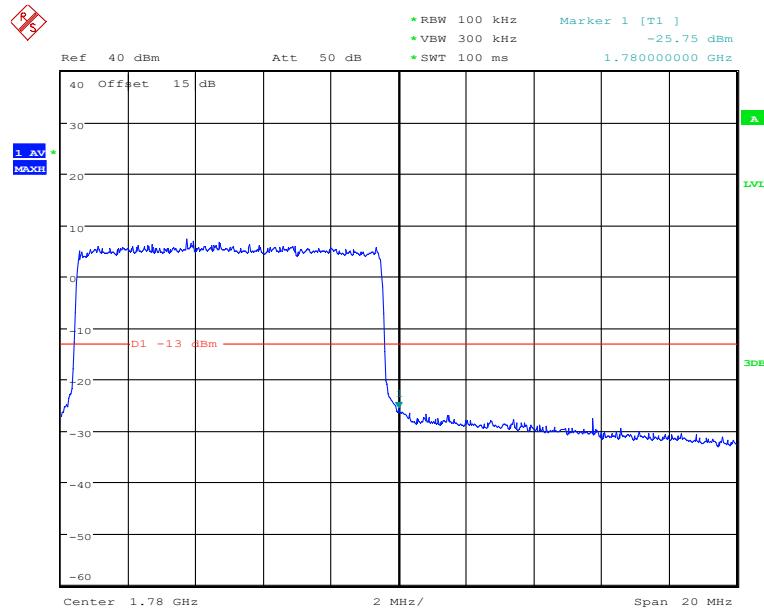
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 22.FEB.2020 04:13:28

LTE Band66, 10MHz bandwidth, QPSK,(1,50) Mode, Above 1780MHz

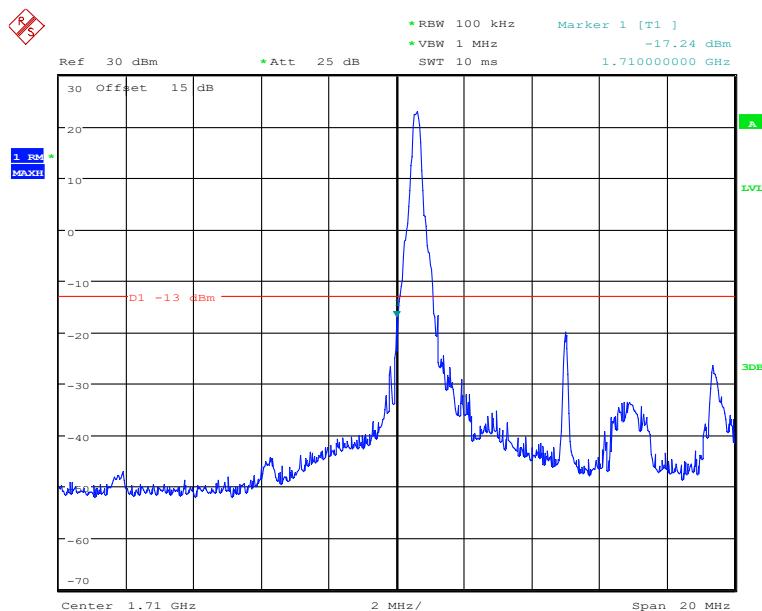


Date: 22.FEB.2020 04:13:42

LTE Band66, 10MHz bandwidth, QPSK,(50,0) Mode, Above 1780MHz

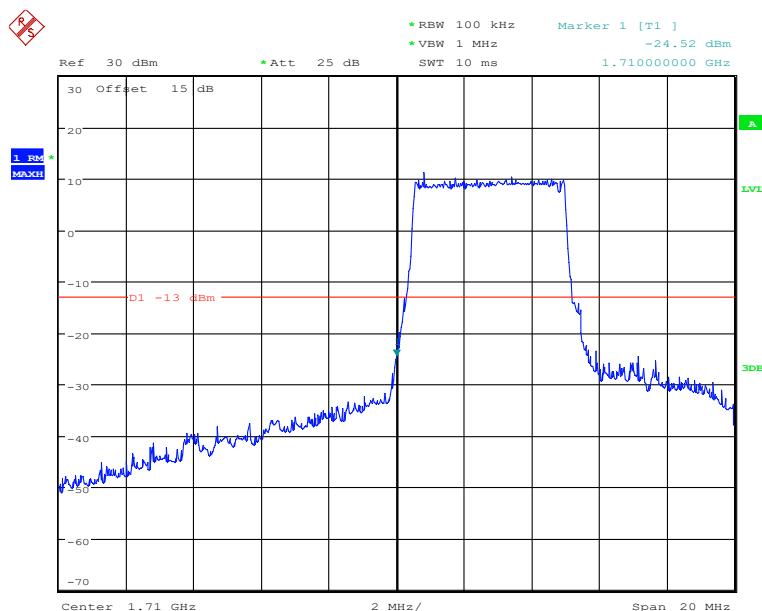
# Chongqing Academy of Information and Communications Technology

## Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 02:59:03

LTE Band66, 10MHz bandwidth, 16QAM,(1,0) Mode , Below 1710MHz

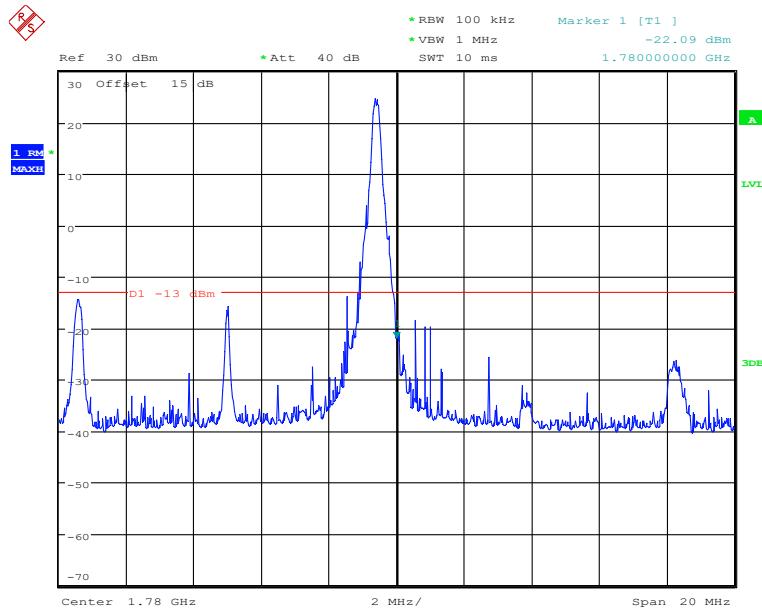


Date: 25.FEB.2020 02:59:23

LTE Band66, 10MHz bandwidth, 16QAM,(50,0) Mode , Below 1710MHz

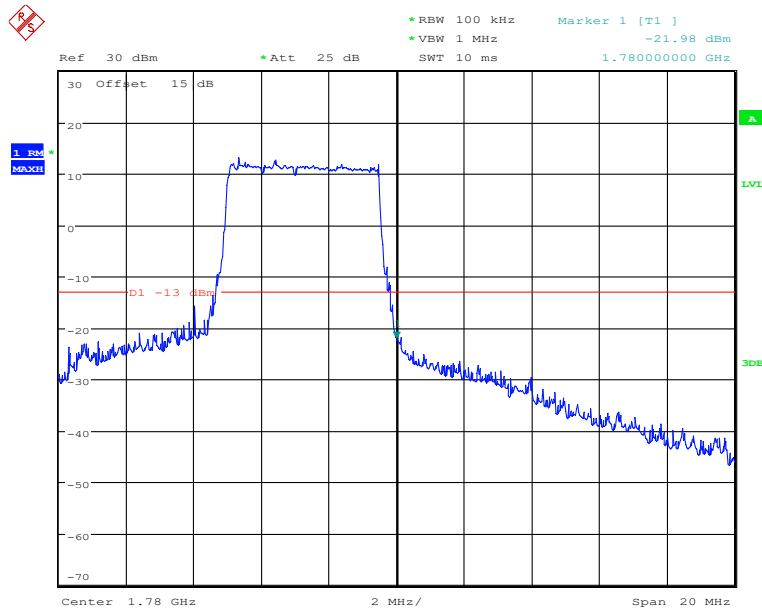
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 03:01:06

LTE Band66, 10MHz bandwidth, 16QAM,(1,50) Mode, Above 1780MHz



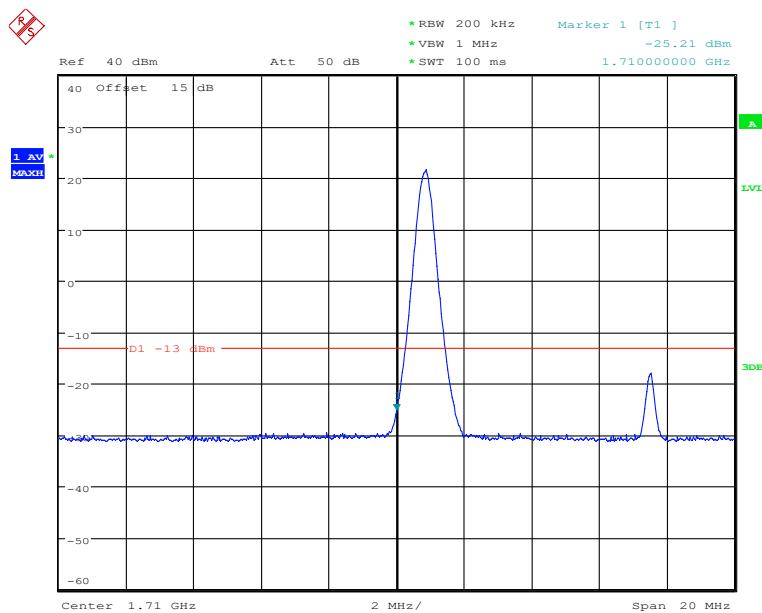
Date: 25.FEB.2020 02:59:59

LTE Band66, 10MHz bandwidth, 16QAM,(50,0) Mode, Above 1780MHz

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

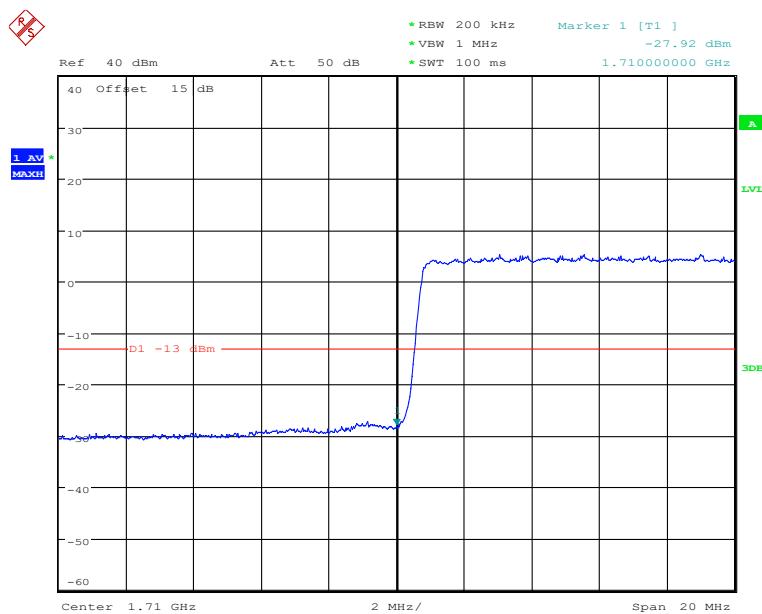
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 22.FEB.2020 04:18:07

LTE Band66, 15MHz bandwidth, QPSK,(1,0) Mode , Below 1710MHz

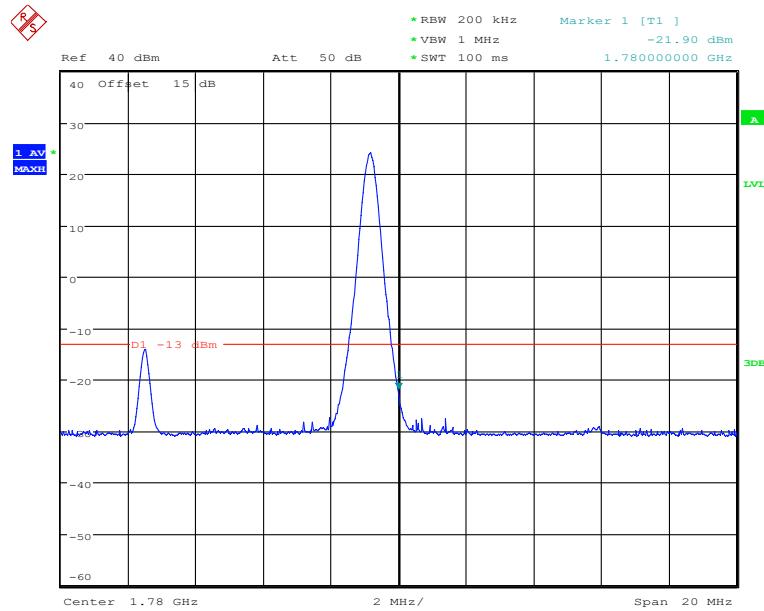


Date: 22.FEB.2020 04:18:48

LTE Band66, 15MHz bandwidth, QPSK,(75,0) Mode , Below 1710MHz

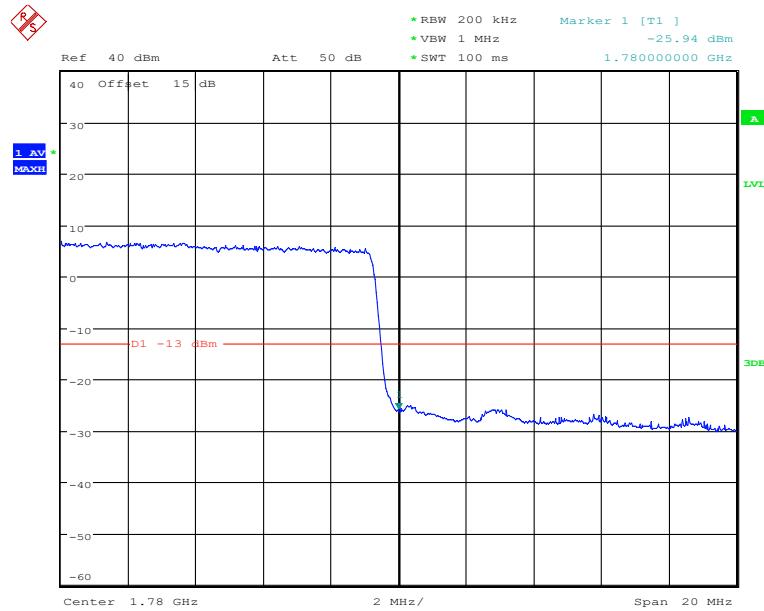
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 22.FEB.2020 04:19:51

LTE Band66, 15MHz bandwidth, QPSK,(1,75) Mode, Above 1780MHz

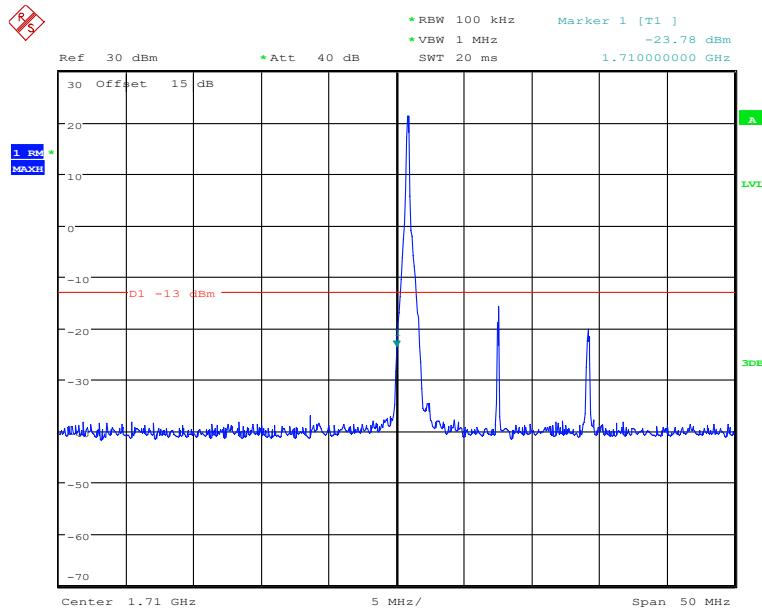


Date: 22.FEB.2020 04:19:31

LTE Band66, 15MHz bandwidth, QPSK,(75,0) Mode, Above 1780MHz

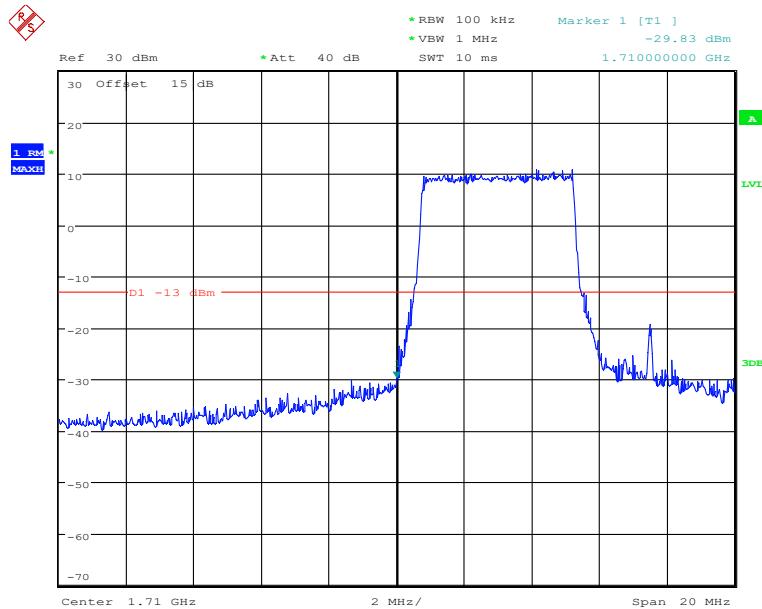
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 03:04:09

LTE Band66, 15MHz bandwidth, 16QAM,(1,0) Mode , Below 1710MHz

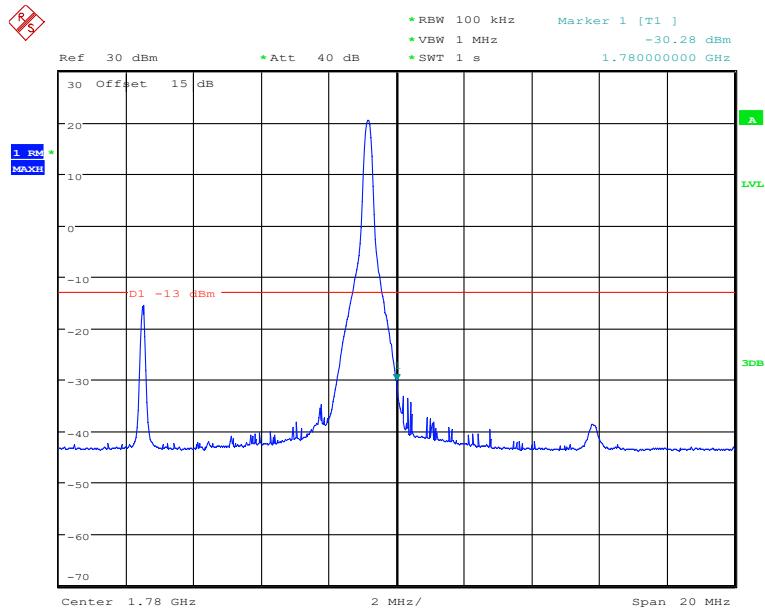


Date: 25.FEB.2020 03:03:42

LTE Band66, 15MHz bandwidth, 16QAM,(75,0) Mode , Below 1710MHz

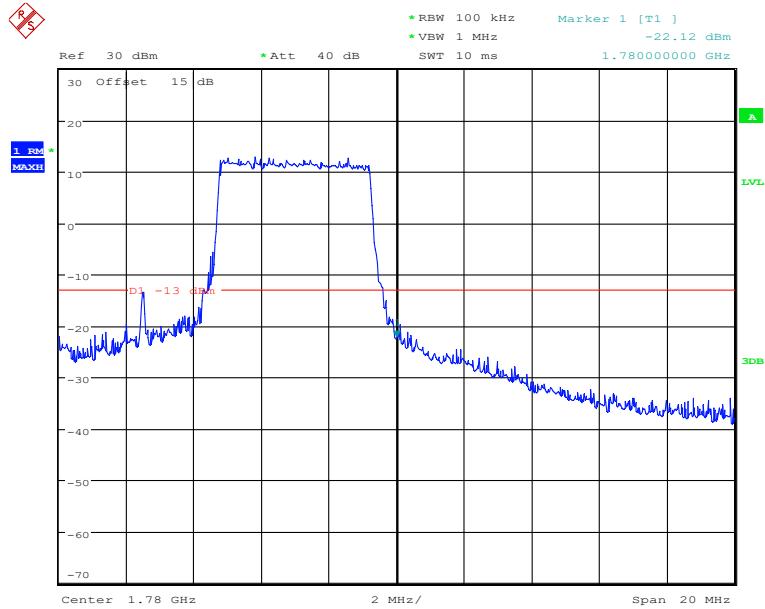
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 25.FEB.2020 03:02:34

LTE Band66, 15MHz bandwidth, 16QAM,(1,75) Mode, Above 1780MHz

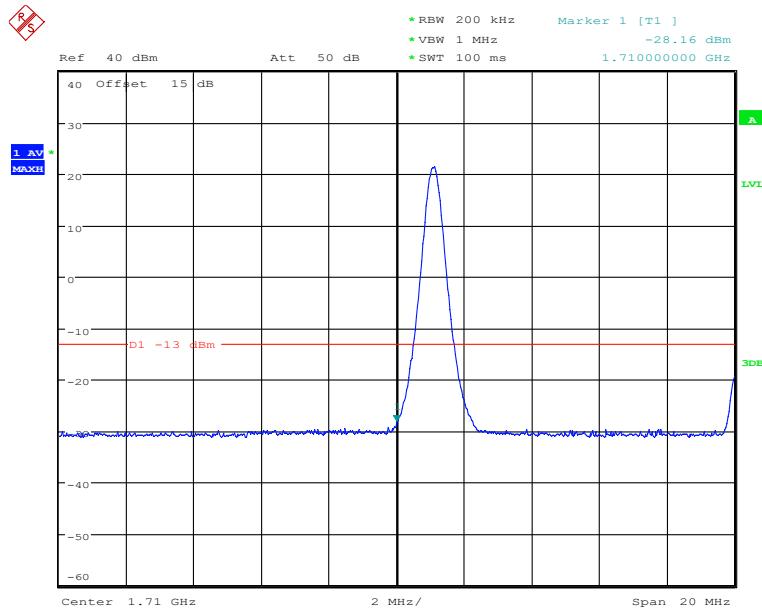


Date: 25.FEB.2020 03:03:00

LTE Band66, 15MHz bandwidth, 16QAM,(75,0) Mode, Above 1780MHz

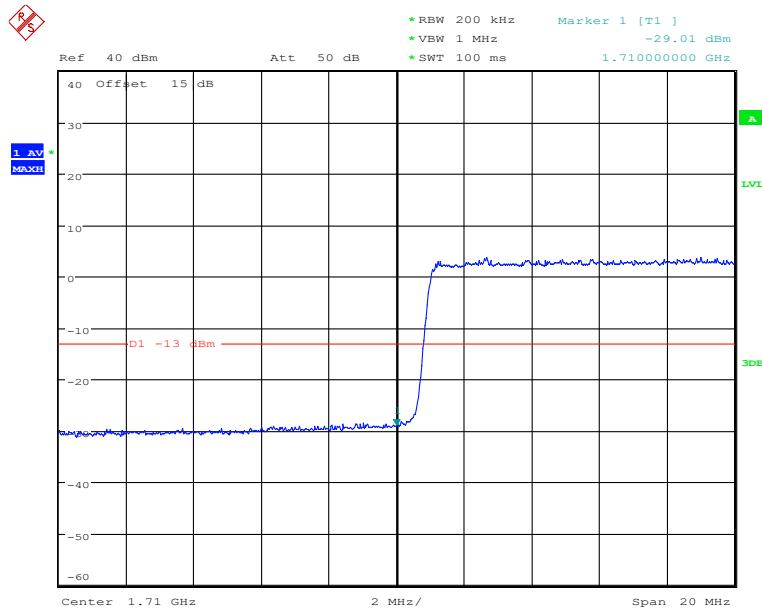
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 22.FEB.2020 04:21:34

LTE Band66, 20MHz bandwidth, QPSK,(1,0) Mode , Below 1710MHz



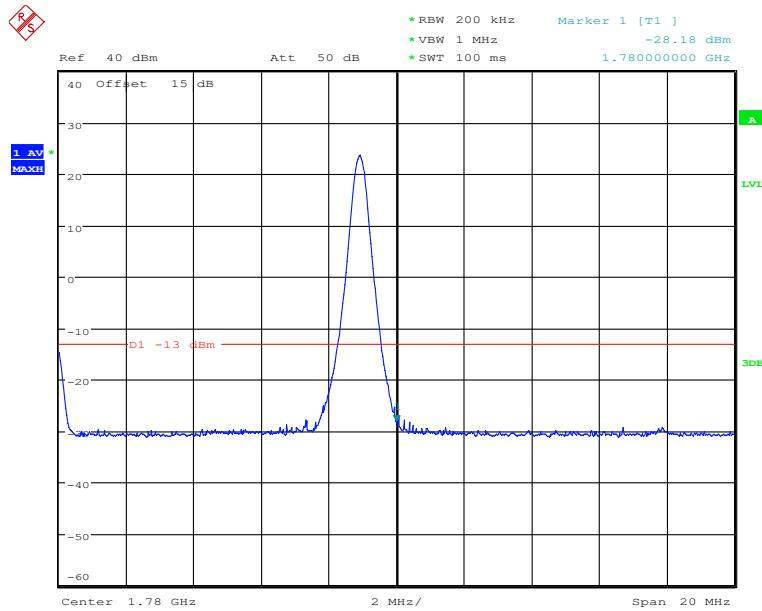
Date: 22.FEB.2020 04:21:51

LTE Band66, 20MHz bandwidth, QPSK,(100,0) Mode , Below 1710MHz

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

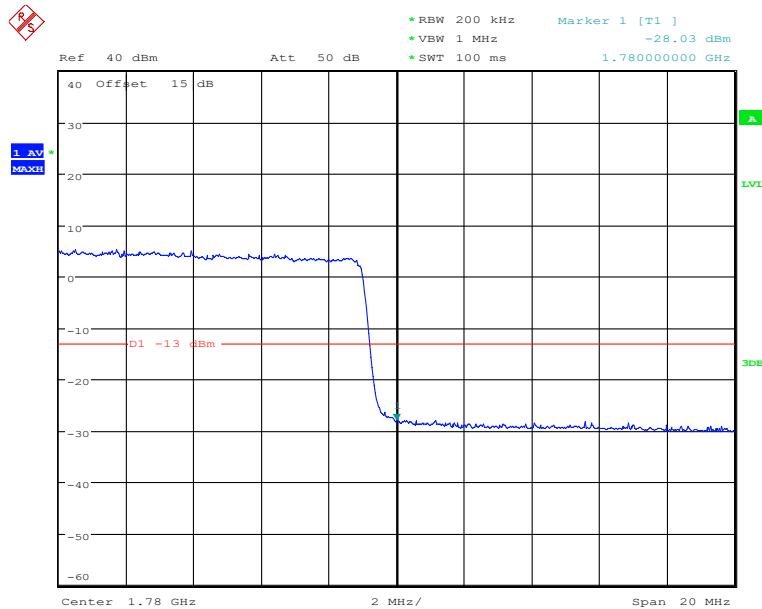
# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



Date: 22.FEB.2020 04:22:34

LTE Band66, 20MHz bandwidth, QPSK,(1,100) Mode, Above 1780MHz



Date: 22.FEB.2020 04:22:18

LTE Band66, 20MHz bandwidth, QPSK,(100,0) Mode, Above 1780MHz

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

# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1

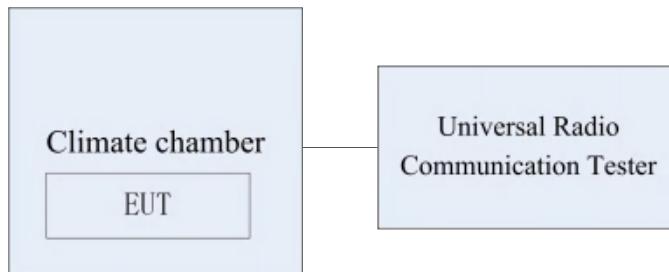
## 5.6 Frequency Stability over Temperature Variation

<b>Specifications:</b>	FCC Part 2.1055, 22.355, 24.235, 27.54, 90.213 RSS-130 4.3, RSS-132 4.3, RSS-133 6.3, RSS-199 4.3
<b>DUT Serial Number:</b>	868822040009761
<b>Test conditions:</b>	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% Air pressure: 86-106kPa
<b>Test Results:</b>	--

Limit	
Frequency deviation [ppm]	±2.5

## Test Setup

The EUT was placed in a temperature chamber, demonstrated as figure T. The Wireless Telecommunications Test Set was used to set the Tx channel and power level, modulate the TX signal with different bit patterns and measure the frequency of Tx.



## Test Method

- 1、 The EUT was turned off and placed in the temperature chamber.
- 2、 The temperature of the chamber was set to -30°C and allowed to stabilize.
- 3、 The EUT temperature was allowed to stabilize for 45 minutes.
- 4、 The EUT was turned on and set to transmit with Wireless Telecommunications Test Set.
- 5、 The maximum transmit frequency deviation during one minute period was measured by Wireless Communications Test Set.
- 6、 The steps 3-5 were repeated for -30°C, -20°C, -10°C, 0°C, 10°C, 20°C, 30°C, 40°C and 50°C.

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## 5.6.1 GSM Band Frequency Stability over Temperature Variation Results

Band	Offset	Temperature[°C]								
		-30	-20	-10	0	10	20	30	40	50
<b>GSM850</b>	Hz	11.56	10.82	13.53	13.20	9.98	11.59	6.26	14.40	19.31
	ppm	0.014	0.013	0.016	0.016	0.012	0.014	0.007	0.017	0.023
<b>GSM850 8PSK</b>	Hz	12.24	12.40	13.66	13.62	4.26	13.30	7.36	14.69	13.11
	ppm	0.015	0.015	0.016	0.016	0.005	0.016	0.009	0.018	0.016
<b>PCS1900 GMSK</b>	Hz	-2.39	-2.74	-3.45	1.23	3.91	-4.84	-0.52	3.91	16.21
	ppm	-0.001	-0.001	-0.002	0.001	0.002	-0.003	-0.000	0.002	0.009
<b>PCS1900 8PSK</b>	Hz	-2.45	5.07	-3.81	-0.52	5.42	-0.32	1.26	-1.45	15.34
	ppm	-0.001	0.003	-0.002	-0.000	0.003	-0.000	0.001	-0.001	0.008

## 5.6.2 WCDMA Band Frequency Stability over Temperature Variation Results

Band	Offset	Temperature[°C]								
		-30	-20	-10	0	10	20	30	40	50
2	Hz	6.26	-3.98	-1.95	-5.14	-5.25	2.65	2.37	7.62	6.17
	ppm	0.003	-0.002	-0.001	-0.003	-0.003	0.001	0.001	0.004	0.003
4	Hz	5.44	-4.07	-0.34	1.34	-2.78	-0.58	-2.03	1.33	-1.24
	ppm	0.003	-0.002	-0.000	0.001	-0.002	-0.000	-0.001	0.001	-0.001
5	Hz	5.04	0.12	0.34	0.57	-1.87	0.54	-2.15	0.11	0.07
	ppm	0.006	0.000	0.000	0.001	-0.002	0.001	-0.003	0.000	0.000

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## 5.6.3 LTE Band Frequency Stability over Temperature Variation Results

Band	Offset	Temperature[°C]								
		-30	-20	-10	0	10	20	30	40	50
7	Hz	3.41	-0.56	0.32	0.55	1.57	-0.35	0.34	2.01	-4.09
	ppm	0.001	-0.000	0.000	0.000	0.001	-0.000	0.000	0.001	-0.002
12	Hz	5.67	2.87	6.25	3.48	4.27	1.46	1.14	4.33	-1.82
	ppm	0.008	0.004	0.009	0.005	0.006	0.002	0.002	0.006	-0.003
13	Hz	1.60	4.90	3.68	5.35	4.07	3.49	5.55	3.77	2.69
	ppm	0.002	0.007	0.005	0.007	0.005	0.005	0.007	0.005	0.004
25	Hz	3.31	0.86	1.64	0.29	1.69	1.54	-1.41	-1.71	1.36
	ppm	0.002	0.000	0.001	0.000	0.001	0.001	-0.001	-0.001	0.001
26	Hz	1.37	4.85	2.50	0.52	1.73	1.91	2.78	1.04	0.24
	ppm	0.002	0.006	0.003	0.001	0.002	0.002	0.003	0.001	0.000
41	Hz	4.69	-7.31	2.58	3.77	-1.96	0.98	-6.27	-5.22	3.58
	ppm	0.002	-0.003	0.001	0.001	-0.001	0.000	-0.002	-0.002	0.001
66	Hz	5.59	1.98	1.20	1.85	1.76	0.58	1.41	0.89	-2.07
	ppm	0.003	0.001	0.001	0.001	0.001	0.000	0.001	0.001	-0.001

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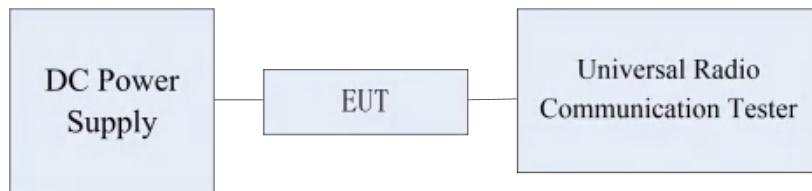
## 5.7 Frequency Stability over Voltage Variation

<b>Specifications:</b>	FCC Part 2.1055, 22.355, 24.235, 27.54, 90.213 RSS-130 4.3, RSS-132 4.3, RSS-133 6.3, RSS-199 4.3
<b>DUT Serial Number:</b>	868822040009761
<b>Test conditions:</b>	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% Air pressure: 86-106kPa
<b>Test Results:</b>	--

Limit	
Frequency deviation [ppm]	±2.5

### Test Setup

The EUT was placed in a shielding chamber and powered by an adjustable power supply, demonstrated as figure V. A Wireless Telecommunications Test Set was used to set the TX channel and power level, modulate the TX signal with different bit patterns and measure the frequency of TX.



### Test Method

The EUT was powered by the adjustable power supply. The frequency stability is measured by the Wireless Telecommunications Test Set.

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## 5.7.1 GSM Band Frequency Stability over Voltage Variation Results

Test data:

Band	Offset	Voltage (V)		
		3.30	3.80	4.20
<b>GSM850</b>	Hz	5.45	-2.50	1.94
	ppm	0.007	-0.003	0.002
<b>GSM850</b>	Hz	2.73	3.15	-0.98
	ppm	0.003	0.004	-0.001
<b>PCS1900</b>	Hz	1.24	-3.31	3.05
	ppm	0.001	-0.002	0.002
<b>PCS1900</b>	Hz	-4.15	0.82	-1.57
	ppm	-0.002	0.000	-0.001

## 5.7.2 WCDMA Band Frequency Stability over Voltage Variation Results

Test data:

Band	Offset	Voltage (V)		
		3.30	3.80	4.20
2	Hz	4.61	-6.37	2.95
	ppm	0.002	-0.003	0.002
4	Hz	-3.56	-5.21	2.85
	ppm	-0.002	-0.003	0.002
5	Hz	5.64	2.81	-3.45
	ppm	0.007	0.003	-0.004

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## 5.7.3 LTE Band Frequency Stability over Voltage Variation Results

Test data:

Band	Offset	Voltage (V)		
		3.30	3.80	4.20
7	Hz	4.33	-2.75	3.18
	ppm	0.002	-0.001	0.001
12	Hz	-2.51	-1.96	4.15
	ppm	-0.004	-0.003	0.006
13	Hz	0.87	-1.52	2.43
	ppm	0.001	-0.002	0.003
25	Hz	4.35	5.87	-3.11
	ppm	0.002	0.003	-0.002
26	Hz	6.74	-12.59	-8.93
	ppm	0.008	-0.015	-0.011
41	Hz	5.18	-8.25	6.79
	ppm	0.002	-0.003	0.003
66	Hz	-6.19	-4.83	3.59
	ppm	-0.004	-0.003	0.002

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## 5.8 Peak to Average Ratio

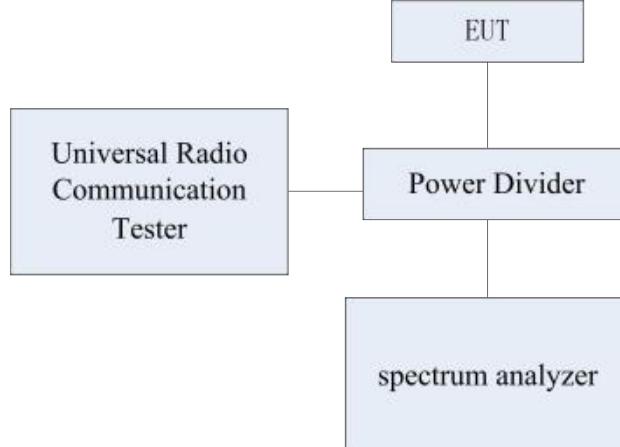
<b>Specifications:</b>	FCC Part 24.232, 27.50, RSS-130 4.4
<b>DUT Serial Number:</b>	868822040009761
<b>Test conditions:</b>	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% Air pressure: 86-106kPa
<b>Test Results:</b>	--

### Limit

The EUT meets the requirement of having a peak to average ratio of less than 13dB.

### Test Setup

During the test, the EUT was controlled via the Wireless Communications Test Set to ensure max power transmission and proper modulation and measured by spectrum analyzer.



### Test Method

The transmitter output was connected to a CMW500 through a coaxial RF cable and directional coupler, and configured to operate at maximum power. The peak to average ratio was measured at the required operating frequencies in each Band on the Spectrum Analyzer.

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## 5.8.1 GSM850 Peak to Average Ratio Results

Frequency (MHz)	EUT channel No.	Modulation	Peak to Average Ratio
836.6	190	GMSK	10.76
		8PSK	12.06

## 5.8.2 GSM1900 Peak to Average Ratio Results

Frequency (MHz)	EUT channel No.	Modulation	Peak to Average Ratio
1880	661	GMSK	10.89
		8PSK	10.31

## 5.8.3 WCDMA B2 Peak to Average Ratio Results

Frequency (MHz)	EUT channel No.	Modulation	Peak to Average Ratio
1880	9400	QPSK	6.64
		16QAM	5.61

## 5.8.4 WCDMA B4 Peak to Average Ratio Results

Frequency (MHz)	EUT channel No.	Modulation	Peak to Average Ratio
1732.4	1412	QPSK	7.07
		16QAM	7.41

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## 5.8.5 WCDMA B5 Peak to Average Ratio Results

Frequency (MHz)	EUT channel No.	Modulation	Peak to Average Ratio
836.4	4182	QPSK	5.74
		16QAM	6.27

## 5.8.6 LTE B7 Peak to Average Ratio Results

Frequency (MHz)	EUT channel No.	bandwidth	Modulation	Peak to Average Ratio
2535MHz	21100	10MHz	QPSK	6.40
			16QAM	6.46

## 5.8.7 LTE B12 Peak to Average Ratio Results

Frequency (MHz)	EUT channel No.	bandwidth	Modulation	Peak to Average Ratio
707.5MHz	23095	10MHz	QPSK	6.07
			16QAM	6.35

## 5.8.8 LTE B13 Peak to Average Ratio Results

Frequency (MHz)	EUT channel No.	bandwidth	Modulation	Peak to Average Ratio
782.0MHz	23230	10MHz	QPSK	5.95
			16QAM	5.71

## 5.8.10 LTE B25 Peak to Average Ratio Results

Frequency (MHz)	EUT channel No.	bandwidth	Modulation	Peak to Average Ratio
1882.5MHz	26365	10MHz	QPSK	6.29
			16QAM	6.31

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## **5.8.9 LTE B26 Peak to Average Ratio Results**

<b>Frequency (MHz)</b>	<b>EUT channel No.</b>	<b>bandwidth</b>	<b>Modulation</b>	<b>Peak to Average Ratio</b>
831.5MHz	26865	10MHz	QPSK	6.06
			16QAM	5.74

## **5.8.10 LTE B41 Peak to Average Ratio Results**

<b>Frequency (MHz)</b>	<b>EUT channel No.</b>	<b>bandwidth</b>	<b>Modulation</b>	<b>Peak to Average Ratio</b>
2593MHz	40620	10MHz	QPSK	9.32
			16QAM	11.35

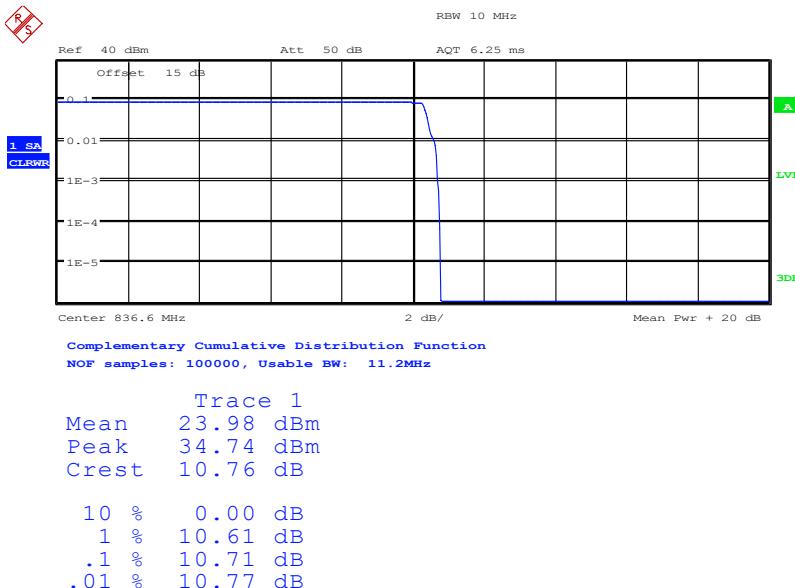
## **5.8.11 LTE B66 Peak to Average Ratio Results**

<b>Frequency (MHz)</b>	<b>EUT channel No.</b>	<b>bandwidth</b>	<b>Modulation</b>	<b>Peak to Average Ratio</b>
1745MHz	132322	10MHz	QPSK	6.23
			16QAM	6.63

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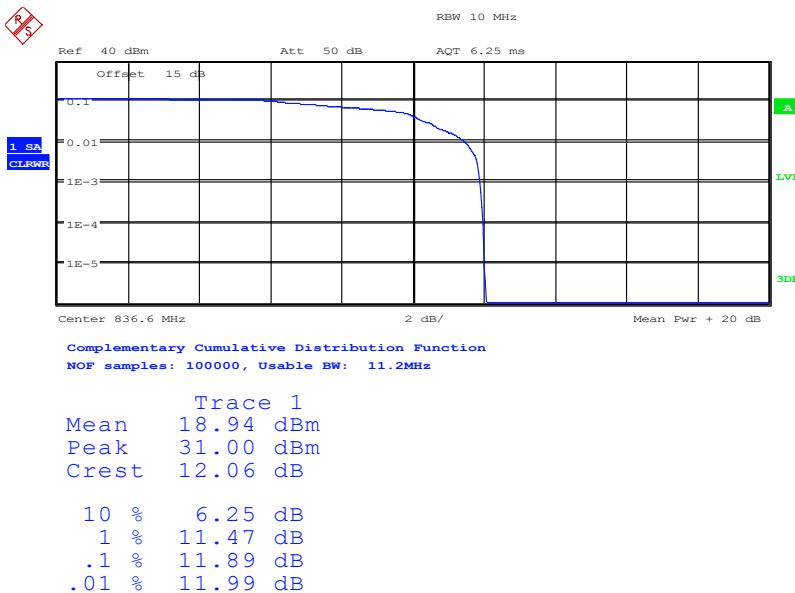
Report No.:B19W50598-WWAN\_Rev1

## Graphical for Peak to Average Ratio Results



Date: 22.FEB.2020 05:26:11

## GSM850, GMSK



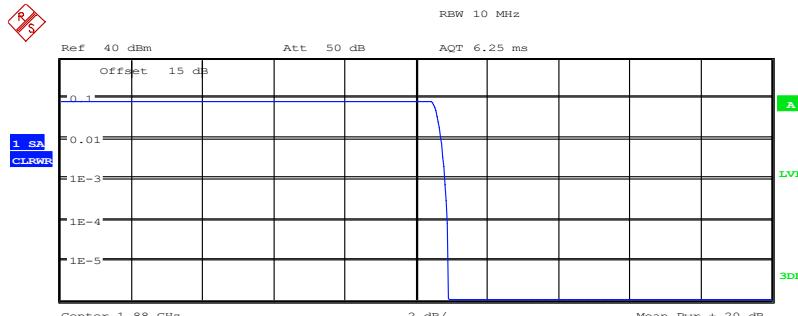
Date: 22.FEB.2020 06:23:23

## GSM850,8PSK

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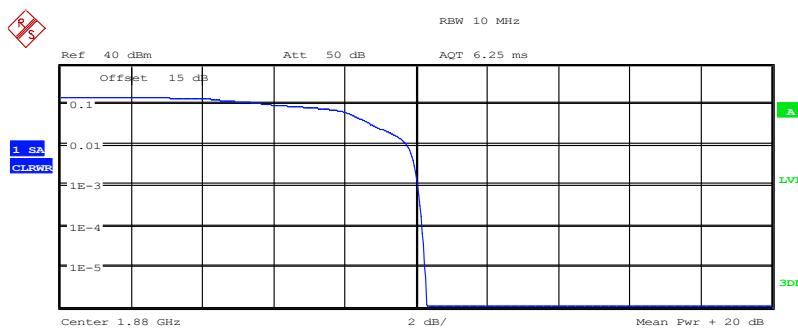
# Chongqing Academy of Information and Communications Technology

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Date: 22.FEB.2020 05:28:33

PCS1900, GMSK



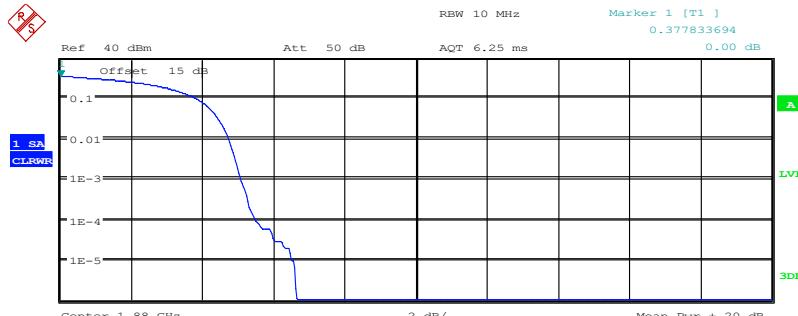
Date: 22.FEB.2020 06:19:52

PCS1900, 8PSK

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

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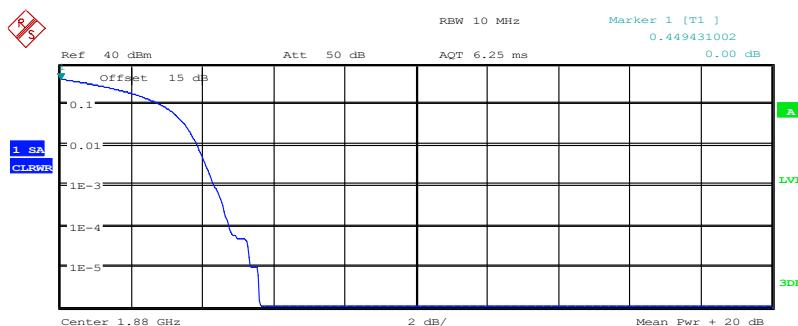
Trace 1
Mean 19.18 dBm
Peak 25.82 dBm
Crest 6.64 dB

10 % 3.81 dB
1 % 4.74 dB
.1 % 5.10 dB
.01 % 5.48 dB

```

Date: 22.FEB.2020 04:39:01

## WCDMA Band2, QPSK



```

Trace 1
Mean 20.21 dBm
Peak 25.82 dBm
Crest 5.61 dB

10 % 2.85 dB
1 % 3.85 dB
.1 % 4.33 dB
.01 % 4.74 dB

```

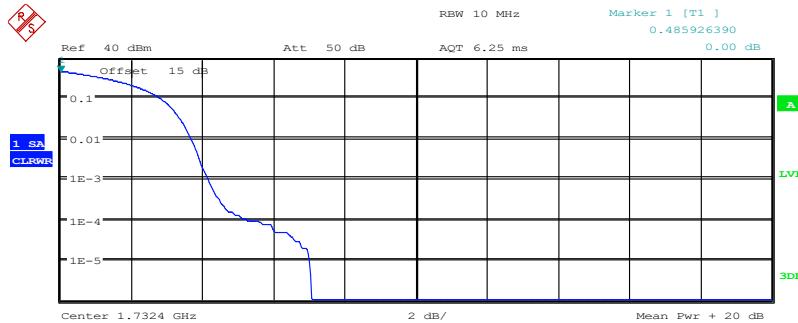
Date: 22.FEB.2020 04:39:59

## WCDMA Band2, 16QAM

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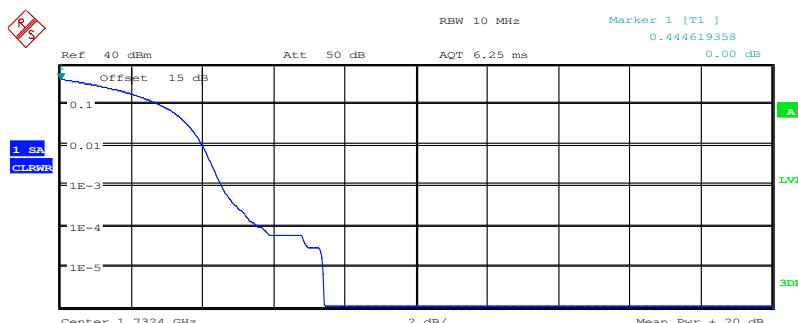
Report No.:B19W50598-WWAN\_Rev1



Trace 1  
Mean 20.78 dBm  
Peak 27.86 dBm  
Crest 7.07 dB  
  
10 % 2.82 dB  
1 % 3.69 dB  
.1 % 4.17 dB  
.01 % 5.51 dB

Date: 22.FEB.2020 04:42:15

WCDMA Band4, QPSK



Trace 1  
Mean 20.30 dBm  
Peak 27.71 dBm  
Crest 7.41 dB  
  
10 % 2.82 dB  
1 % 4.01 dB  
.1 % 4.52 dB  
.01 % 5.64 dB

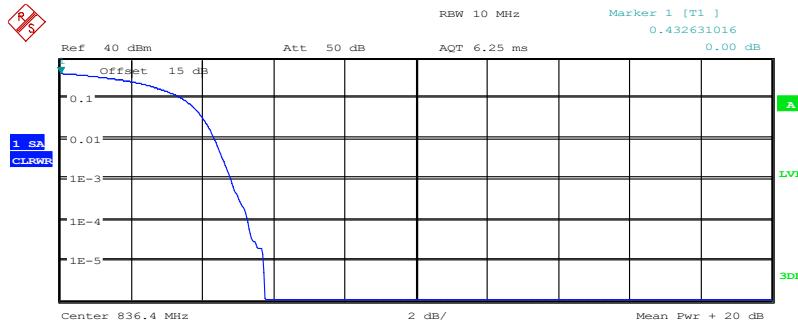
Date: 22.FEB.2020 04:42:28

WCDMA Band4, 16QAM

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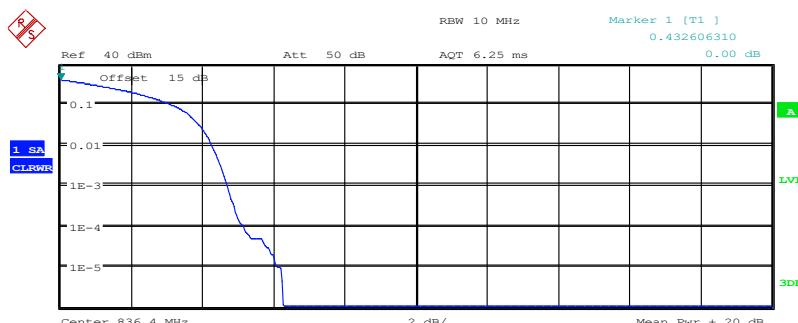


Complementary Cumulative Distribution Function  
NOF samples: 100000, Usable BW: 11.2MHz

Trace 1  
Mean 21.65 dBm  
Peak 27.40 dBm  
Crest 5.74 dB  
  
10 % 3.43 dB  
1 % 4.33 dB  
.1 % 4.81 dB  
.01 % 5.26 dB

Date: 22.FEB.2020 04:43:53

## WCDMA Band5, QPSK



Complementary Cumulative Distribution Function  
NOF samples: 100000, Usable BW: 11.2MHz

Trace 1  
Mean 21.69 dBm  
Peak 27.96 dBm  
Crest 6.27 dB  
  
10 % 3.14 dB  
1 % 4.26 dB  
.1 % 4.71 dB  
.01 % 5.13 dB

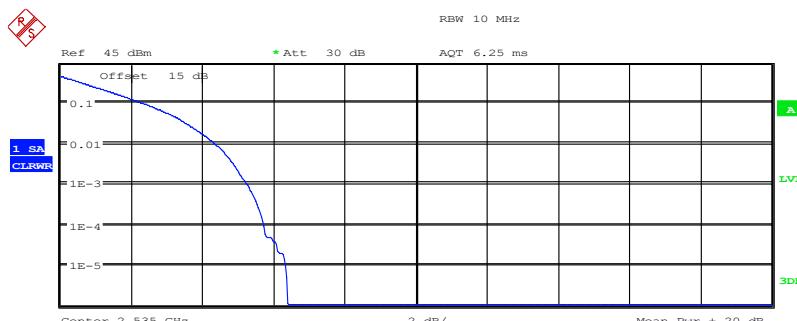
Date: 22.FEB.2020 04:43:39

## WCDMA Band5, 16QAM

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Report No.:B19W50598-WWAN\_Rev1

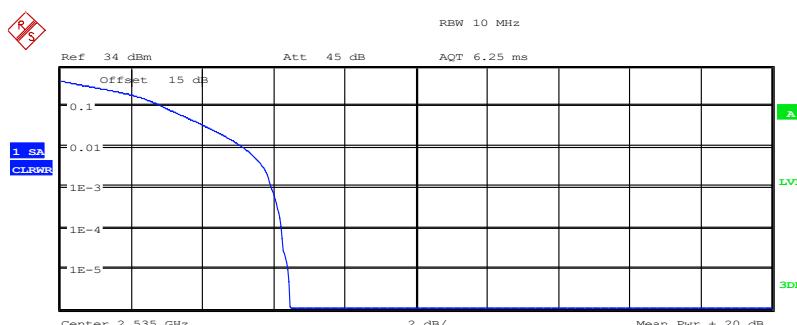


Complementary Cumulative Distribution Function  
NOF samples: 100000, Usable BW: 11.2MHz

Trace 1  
 Mean 21.90 dBm  
 Peak 28.31 dBm  
 Crest 6.40 dB  
 10 % 2.37 dB  
 1 % 4.36 dB  
 .1 % 5.26 dB  
 .01 % 5.74 dB

Date: 21.FEB.2020 03:58:33

## LTE Band7, QPSK



Complementary Cumulative Distribution Function  
NOF samples: 100000, Usable BW: 11.2MHz

Trace 1  
 Mean 20.32 dBm  
 Peak 26.78 dBm  
 Crest 6.46 dB  
 10 % 2.92 dB  
 1 % 5.13 dB  
 .1 % 5.93 dB  
 .01 % 6.22 dB

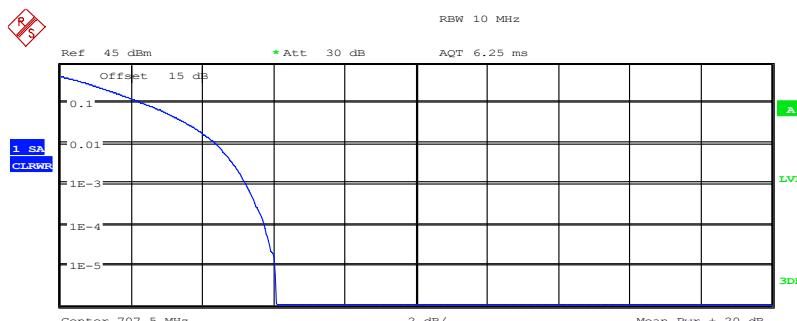
Date: 25.FEB.2020 16:55:02

## LTE Band7, 16QAM

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

# Chongqing Academy of Information and Communications Technology

Report No.:B19W50598-WWAN\_Rev1



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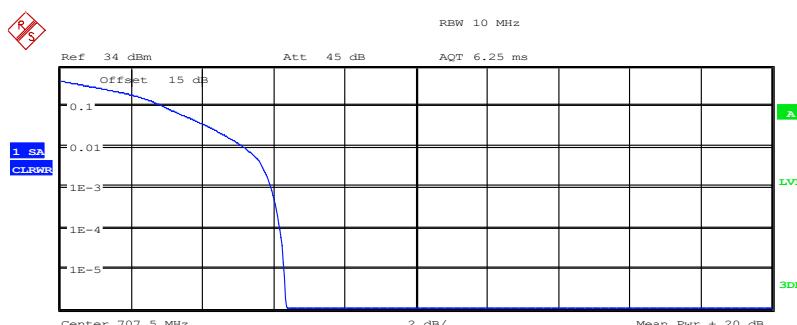
Trace 1
Mean    22.91  dBm
Peak    28.98  dBm
Crest    6.07  dB

10 %    2.37  dB
1 %     4.36  dB
.1 %    5.22  dB
.01 %   5.74  dB

```

Date: 21.FEB.2020 03:59:19

## LTE Band12, QPSK



```

Trace 1
Mean    22.04  dBm
Peak    28.39  dBm
Crest    6.35  dB

10 %    2.95  dB
1 %     5.16  dB
.1 %    5.93  dB
.01 %   6.19  dB

```

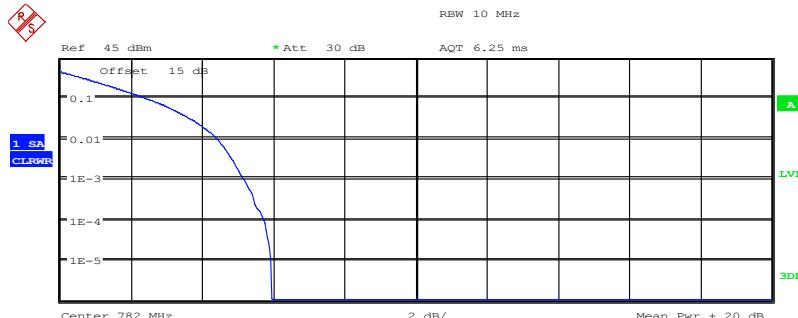
Date: 25.FEB.2020 16:56:02

## LTE Band12, 16QAM

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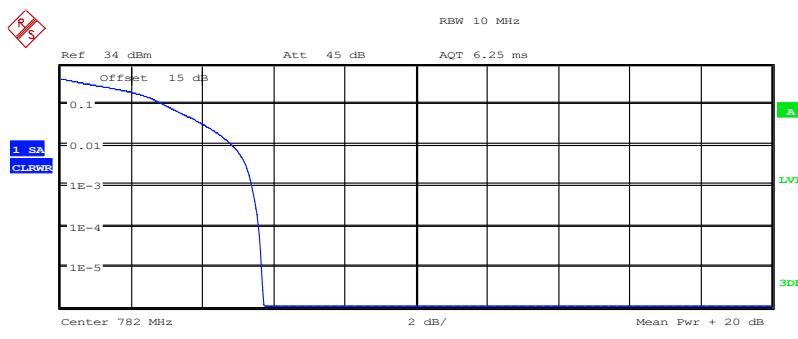
Trace 1
Mean    23.31  dBm
Peak    29.27  dBm
Crest    5.95  dB

10 %    2.44  dB
1 %     4.42  dB
.1 %    5.16  dB
.01 %   5.74  dB

```

Date: 21.FEB.2020 04:00:44

## LTE Band13, QPSK



```

Trace 1
Mean    22.19  dBm
Peak    27.90  dBm
Crest    5.71  dB

10 %    2.92  dB
1 %     4.84  dB
.1 %    5.38  dB
.01 %   5.58  dB

```

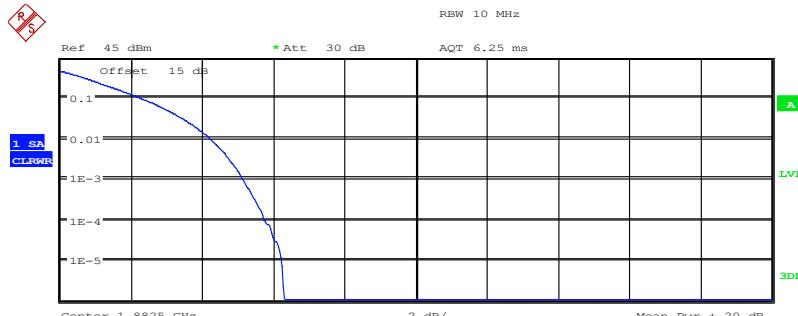
Date: 25.FEB.2020 16:57:21

## LTE Band13, 16QAM

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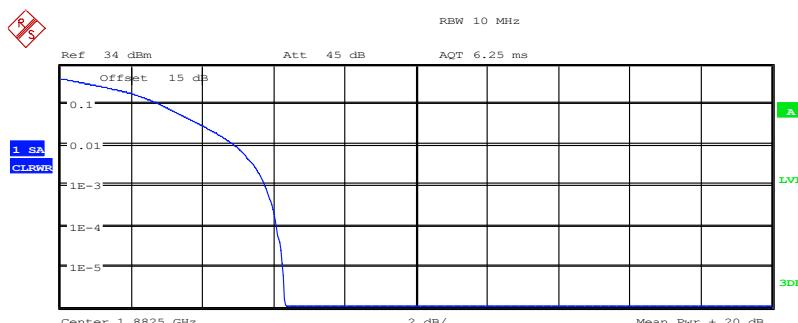


Complementary Cumulative Distribution Function  
NOF samples: 100000, Usable BW: 11.2MHz

Trace 1  
 Mean 20.40 dBm  
 Peak 26.69 dBm  
 Crest 6.29 dB  
 10 % 2.31 dB  
 1 % 4.23 dB  
 .1 % 5.13 dB  
 .01 % 5.74 dB

Date: 21.FEB.2020 04:01:22

## LTE Band25, QPSK



Complementary Cumulative Distribution Function  
NOF samples: 100000, Usable BW: 11.2MHz

Trace 1  
 Mean 20.17 dBm  
 Peak 26.48 dBm  
 Crest 6.31 dB  
 10 % 2.85 dB  
 1 % 4.90 dB  
 .1 % 5.77 dB  
 .01 % 6.09 dB

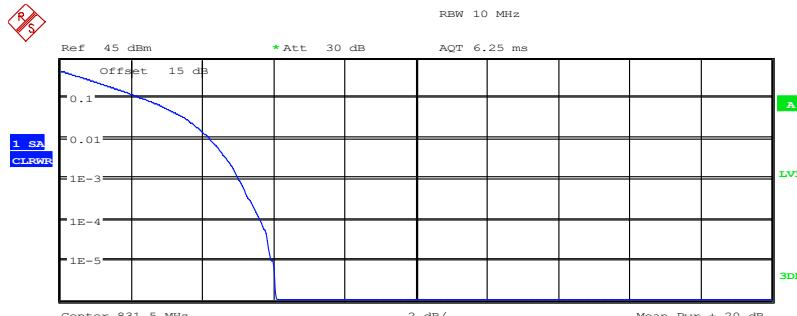
Date: 25.FEB.2020 16:57:58

## LTE Band25, 16QAM

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

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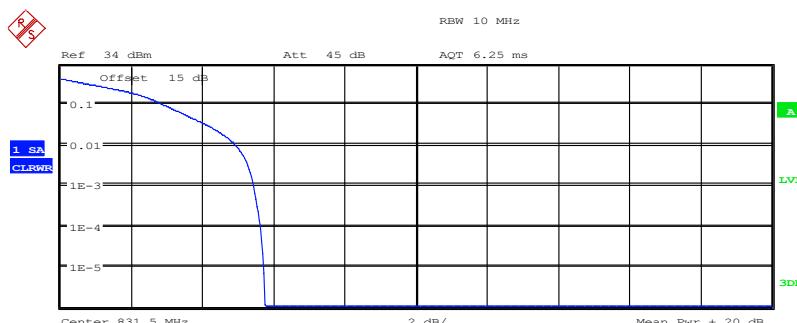


Complementary Cumulative Distribution Function  
NOF samples: 100000, Usable BW: 11.2MHz

Trace 1  
Mean 22.44 dBm  
Peak 28.50 dBm  
Crest 6.06 dB  
  
10 % 2.34 dB  
1 % 4.20 dB  
.1 % 5.03 dB  
.01 % 5.61 dB

Date: 21.FEB.2020 04:02:14

## LTE Band26, QPSK



Complementary Cumulative Distribution Function  
NOF samples: 100000, Usable BW: 11.2MHz

Trace 1  
Mean 21.39 dBm  
Peak 27.13 dBm  
Crest 5.74 dB  
  
10 % 2.92 dB  
1 % 4.94 dB  
.1 % 5.45 dB  
.01 % 5.64 dB

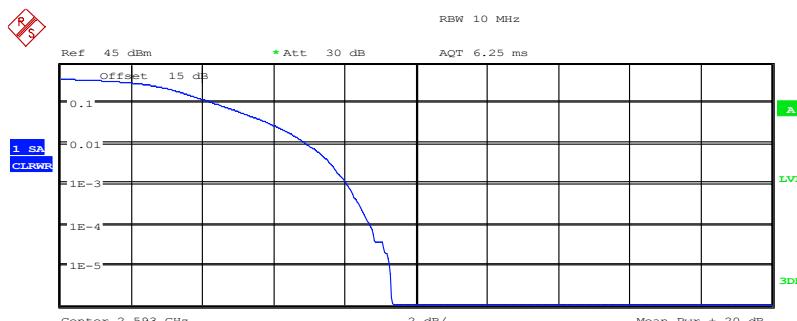
Date: 25.FEB.2020 16:59:20

## LTE Band26, 16QAM

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Complementary Cumulative Distribution Function  
NOF samples: 100000, Usable BW: 11.2MHz

Trace 1  
Mean 17.96 dBm  
Peak 27.28 dBm  
Crest 9.32 dB  
  
10 % 4.39 dB  
1 % 6.92 dB  
.1 % 8.08 dB  
.01 % 8.72 dB

Date: 21.FEB.2020 04:04:26

## LTE Band41, QPSK



Complementary Cumulative Distribution Function  
NOF samples: 100000, Usable BW: 11.2MHz

Trace 1  
Mean 15.29 dBm  
Peak 26.64 dBm  
Crest 11.35 dB  
  
10 % 5.87 dB  
1 % 9.10 dB  
.1 % 10.67 dB  
.01 % 11.03 dB

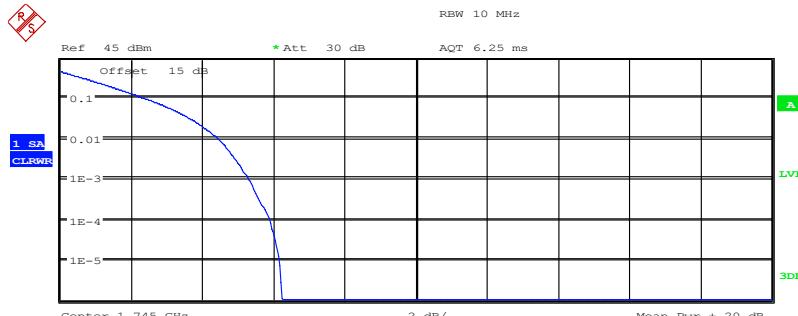
Date: 25.FEB.2020 17:02:10

## LTE Band41, 16QAM

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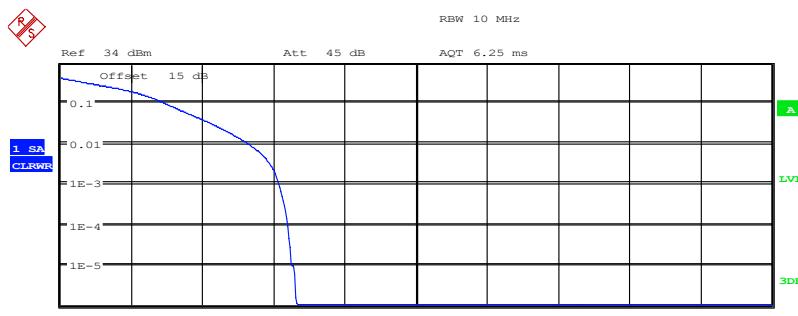


Complementary Cumulative Distribution Function  
NOF samples: 100000, Usable BW: 11.2MHz

Trace 1  
Mean 21.81 dBm  
Peak 28.04 dBm  
Crest 6.23 dB  
  
10 % 2.40 dB  
1 % 4.42 dB  
.1 % 5.32 dB  
.01 % 5.90 dB

Date: 21.FEB.2020 04:02:45

### LTE Band66, QPSK



Complementary Cumulative Distribution Function  
NOF samples: 100000, Usable BW: 11.2MHz

Trace 1  
Mean 19.45 dBm  
Peak 26.08 dBm  
Crest 6.63 dB  
  
10 % 2.98 dB  
1 % 5.29 dB  
.1 % 6.15 dB  
.01 % 6.41 dB

Date: 25.FEB.2020 17:00:31

### LTE Band66, 16QAM

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### 5.9 ERP and EIRP

<b>Specifications:</b>	FCC Part 2.1046, 22.913(a), 24.232(c), 27.50, 90.635(b) RSS-130 4.4, RSS-132 4.4, RSS-133 6.4, RSS-139 4.4, RSS-199 4.4
<b>DUT Serial Number:</b>	868822040004135
<b>Test conditions:</b>	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% Air pressure: 86-106kPa
<b>Test Results:</b>	--

#### Limit Level Construction:

This is the test for the maximum radiated power from the EUT.

**According to Part 24.232(c),** "Mobile/portable stations are limited to 2 watts e.i.r.p. Peak power" and 24.232(c) specifies that "Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage."

**According to 22.913(a),** The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts."

**According to Part 27.50(d),** "Fixed, mobile, and portable (handheld) stations operating in the 1710–1755 MHz band are limited to 1 watt EIRP".

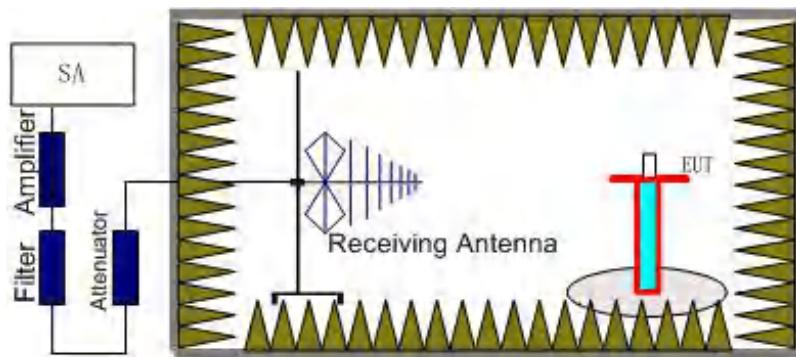
**According to Part 27.50(h)(2)** "Mobile stations are limited to 2.0 watts EIRP.".

**According to Part 27.50(c),** specifies "Portable stations (hand-held devices) are limited to 3 watts ERP."

#### Method of Measurement

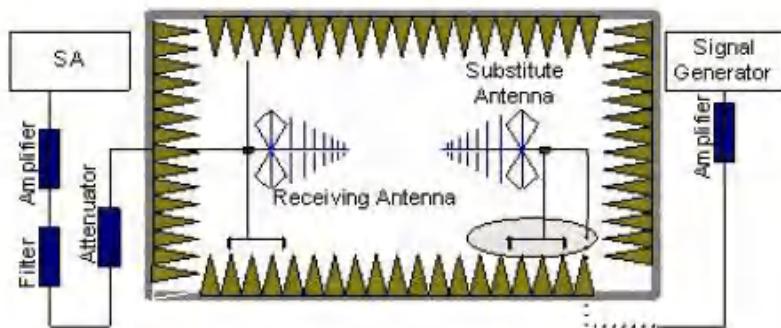
The measurements procedures in TIA-603E-2016 are used.

1. EUT was placed on a 1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.5m. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.



2. The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (Pr).

3. The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.



In the chamber, a substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

4. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna.

The cable loss (Pcl), the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.

The measurement results are obtained as described below:

$$\text{Power(EIRP)} = \text{PMea} + \text{PAg} - \text{Pcl} + \text{Ga}$$

5. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15dB<sub>i</sub>) and known input power.

6. ERP can be calculated from EIRP by subtracting the gain of the dipole,

$$\text{ERP} = \text{S.G output(dBM)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}$$

$$\text{EIRP} = \text{S.G output(dBM)} - \text{cable loss (dB)} + \text{antenna gain (dB<sub>i</sub>)}$$

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## 5.9.1 GSM 850 Measurement result

### GPRS(GMSK)

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	ERP [dBm]	Antenna Polarization [H/V]
824.2	35.62	3.4	-0.96	31.26	V
836.6	35.81	3.4	-0.96	31.45	V
848.8	35.11	3.4	-0.96	30.75	V

### GPRS(8PSK)

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	ERP [dBm]	Antenna Polarization [H/V]
824.2	34.99	3.4	-0.96	30.63	V
836.6	35.02	3.4	-0.96	30.66	V
848.8	34.92	3.4	-0.96	30.56	V

## 5.9.2 PCS 1900 Measurement result

### GPRS(GMSK)

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	EIRP [dBm]	Antenna Polarization [H/V]
1850.2	25.12	5.0	10.4	30.52	V
1880.0	24.50	5.0	10.4	29.90	V
1909.8	24.14	5.1	10.4	29.44	V

### GPRS(8PSK)

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	EIRP [dBm]	Antenna Polarization [H/V]
1850.2	25.10	5.0	10.4	30.50	V

# Chongqing Academy of Information and Communications Technology

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1880.0	24.75	5.0	10.4	30.15	V
1909.8	24.88	5.1	10.4	30.18	V

## 5.9.3 WCDMA Band 2 Measurement result

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	EIRP [dBm]	Antenna Polarization [H/V]
1852.4	15.87	5.0	10.4	21.27	V
1880.0	15.96	5.0	10.4	21.36	V
1907.6	15.13	5.1	10.4	20.43	V

## 5.9.4 WCDMA Band 4 Measurement result

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	EIRP [dBm]	Antenna Polarization [H/V]
1712.4	15.62	4.8	10.4	21.22	V
1732.6	15.63	4.9	10.4	21.13	V
1752.6	15.32	4.9	10.4	20.82	V

## 5.9.5 WCDMA Band 5 Measurement result

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	ERP [dBm]	Antenna Polarization [H/V]
826.4	24.60	3.4	-0.96	20.24	V
836.4	24.58	3.4	-0.96	20.22	V
846.6	25.00	3.4	-0.96	20.64	V

# Chongqing Academy of Information and Communications Technology

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## 5.9.6 LTE Band 7 Measurement result

### LTE Band 7\_20 MHz\_QPSK

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	EIRP [dBm]	Antenna Polarization [H/V]
2510.0	18.12	5.9	9.0	21.22	V
2535.0	18.16	5.9	9.0	21.26	V
2576.0	18.04	5.9	9.0	21.14	V

### LTE Band 7\_20 MHz\_16QAM

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	EIRP [dBm]	Antenna Polarization [H/V]
2510.0	17.41	5.9	9.0	20.51	V
2535.0	17.72	5.9	9.0	20.82	V
2576.0	17.43	5.9	9.0	20.53	V

## 5.9.7 LTE Band 12 Measurement result

### LTE Band 12\_10MHz\_QPSK

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	ERP [dBm]	Antenna Polarization [H/V]
699.0	24.68	3.1	-0.96	20.62	V
707.5	24.71	3.1	-0.96	20.65	V
716.0	24.43	3.1	-0.96	20.37	V

### LTE Band 12\_10MHz\_16QAM

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	ERP [dBm]	Antenna Polarization [H/V]
699.0	24.52	3.1	-0.96	20.46	V

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707.5	24.20	3.1	-0.96	20.14	V
716.0	24.32	3.1	-0.96	20.26	V

## 5.9.8 LTE Band 13 Measurement result

### LTE Band 13\_10MHz\_QPSK

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	ERP [dBm]	Antenna Polarization [H/V]
777.0	24.32	3.3	-0.96	20.06	V
782.0	24.85	3.3	-0.96	20.59	V
787.0	24.66	3.3	-0.96	20.40	V

### LTE Band 13\_10MHz\_16QAM

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	ERP [dBm]	Antenna Polarization [H/V]
777.0	24.31	3.3	-0.96	20.05	V
782.0	24.52	3.3	-0.96	20.26	V
787.0	24.38	3.3	-0.96	20.12	V

## 5.9.9 LTE Band 25 Measurement result

### LTE Band 25\_20MHz\_QPSK

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	EIRP [dBm]	Antenna Polarization [H/V]
1860.0	17.12	5.9	9.0	20.22	V
1882.5	17.99	5.9	9.0	21.09	V
1905.0	17.43	5.9	9.0	20.53	V

### LTE Band 25\_20MHz\_16QAM

Frequency	Generator	Cable loss	Antenna	EIRP	Antenna
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[MHz]	output power( $P_g$ ) [dBm]	[dB]	Gain [dB]	[dBm]	Polarization [H/V]
1860.0	17.09	5.9	9.0	20.13	V
1882.5	17.85	5.9	9.0	20.95	V
1905.0	17.42	5.9	9.0	20.52	V

### 5.9.10 LTE Band 26 Measurement result

#### LTE Band 26\_10MHz\_QPSK

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	ERP [dBm]	Antenna Polarization [H/V]
824.0	24.82	3.4	-0.96	20.46	V
831.5	24.36	3.4	-0.96	20.00	V
840.0	24.63	3.4	-0.96	20.27	V

#### LTE Band 26\_10MHz\_16QAM

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	ERP [dBm]	Antenna Polarization [H/V]
824.0	24.62	3.4	-0.96	20.26	V
831.5	24.16	3.4	-0.96	19.80	V
840.0	24.53	3.4	-0.96	20.17	V

### 5.9.11 LTE Band 41 Measurement result

#### LTE Band 41\_20MHz\_QPSK

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	EIRP [dBm]	Antenna Polarization [H/V]
2505.0	17.52	5.9	9.0	20.62	V
2593.0	17.36	6.0	9.0	20.36	V

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2690.0	17.52	6.0	9.1	20.42	V
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## LTE Band 41\_20MHz\_16QAM

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	EIRP [dBm]	Antenna Polarization [H/V]
2505.0	17.33	5.9	9.0	20.43	V
2593.0	17.30	6.0	9.0	20.30	V
2690.0	17.22	6.0	9.1	20.12	V

## 5.9.12 LTE Band 66 Measurement result

### LTE Band 66\_20MHz\_QPSK

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	EIRP [dBm]	Antenna Polarization [H/V]
1710.0	15.34	4.8	10.4	20.94	V
1745.0	15.96	4.9	10.4	21.46	V
1780.0	15.52	4.9	10.4	21.02	V

### LTE Band 66\_20MHz\_16QAM

Frequency [MHz]	Generator output power( $P_g$ ) [dBm]	Cable loss [dB]	Antenna Gain [dB]	EIRP [dBm]	Antenna Polarization [H/V]
1710.0	15.21	4.8	10.4	20.81	V
1745.0	15.71	4.9	10.4	21.21	V
1780.0	15.36	4.9	10.4	20.86	V

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## **Annex A EUT Photos**

See the document "SIM7600G/SIM7600G miniPCIE-External Photos".

See the document "SIM7600G/SIM7600G miniPCIE-Internal Photos".

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## **ANNEX B Deviations from Prescribed Test Methods**

No deviation from Prescribed Test Methods.

**\*\*\*End Of Report\*\*\***