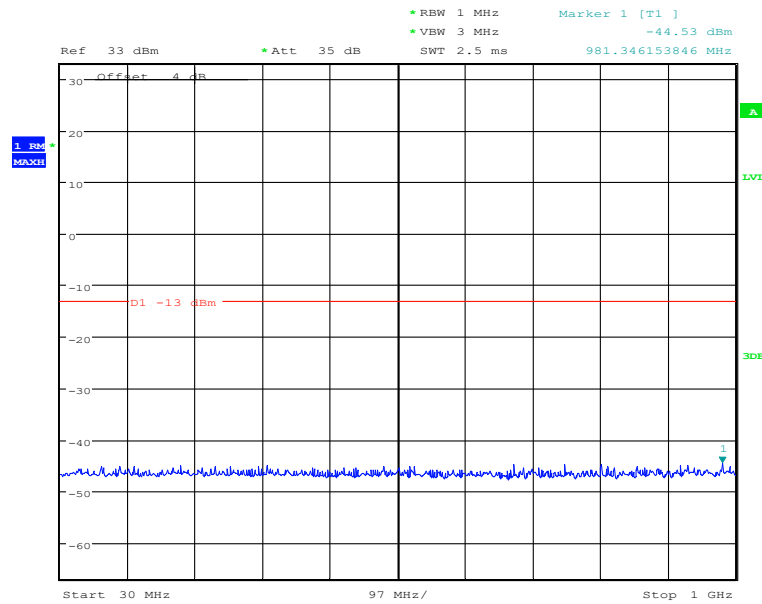


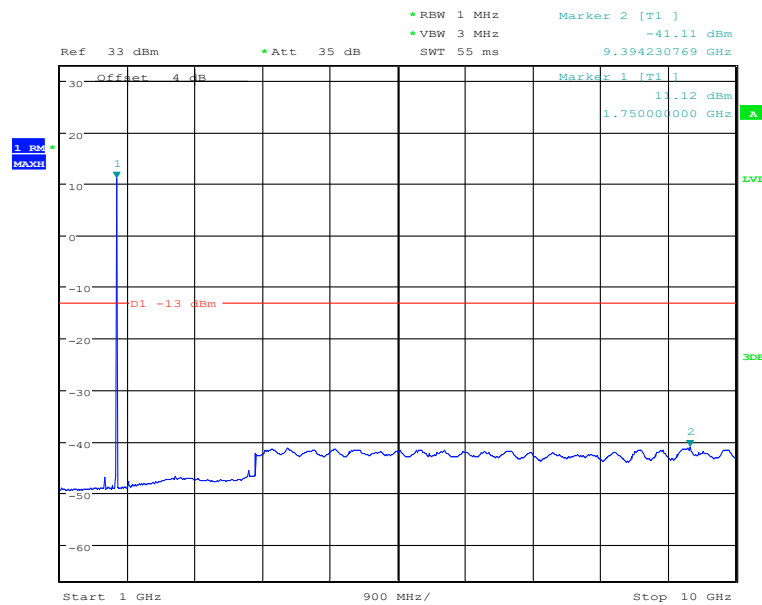
Report No.: I20W00023-WWAN_Rev1

5.3.9 CAT-M B4 Conducted Spurious Emission Results



Date: 29.DEC.2020 07:54:35

Band4-High Channel-1.4MHz Bandwidth-30MHz to 1GHz



Date: 29.DEC.2020 07:55:41

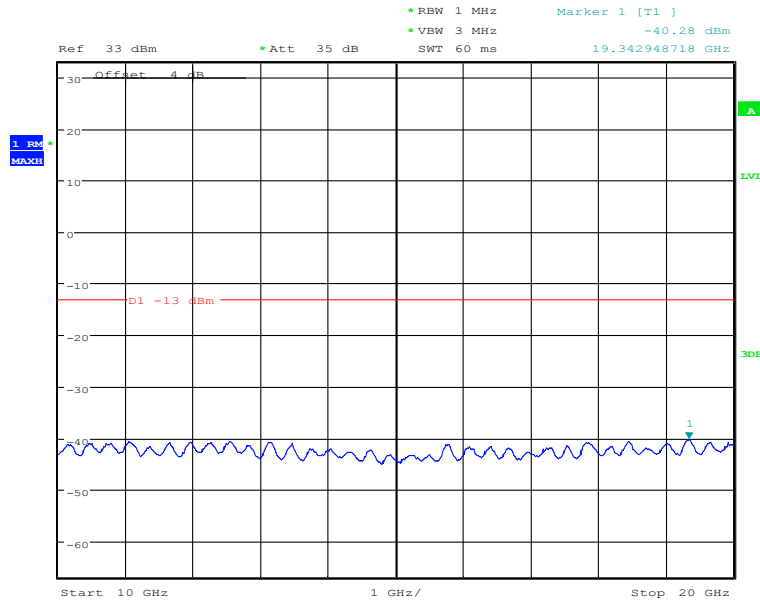
Band4-High Channel-1.4MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

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

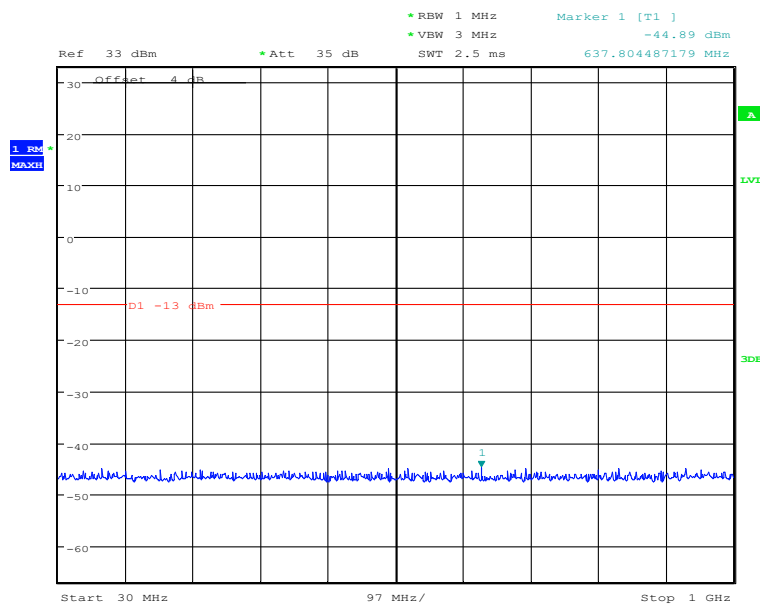


Report No.: I20W00023-WWAN_Rev1



Date: 29.DEC.2020 07:56:05

Band4-High Channel-1.4MHz Bandwidth-10GHz to 20GHz



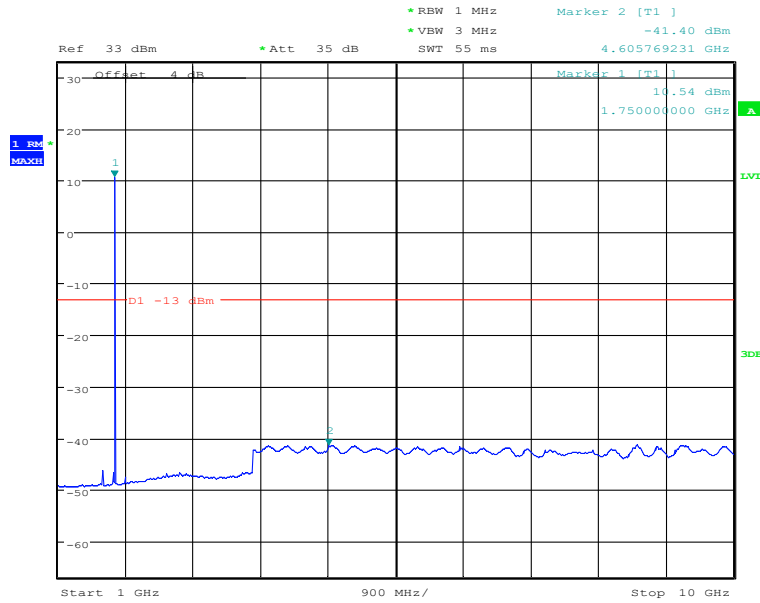
Date: 29.DEC.2020 08:02:17

Band4-High Channel-3MHz Bandwidth-30MHz to 1GHz

Chongqing Academy of Information and Communication Technology

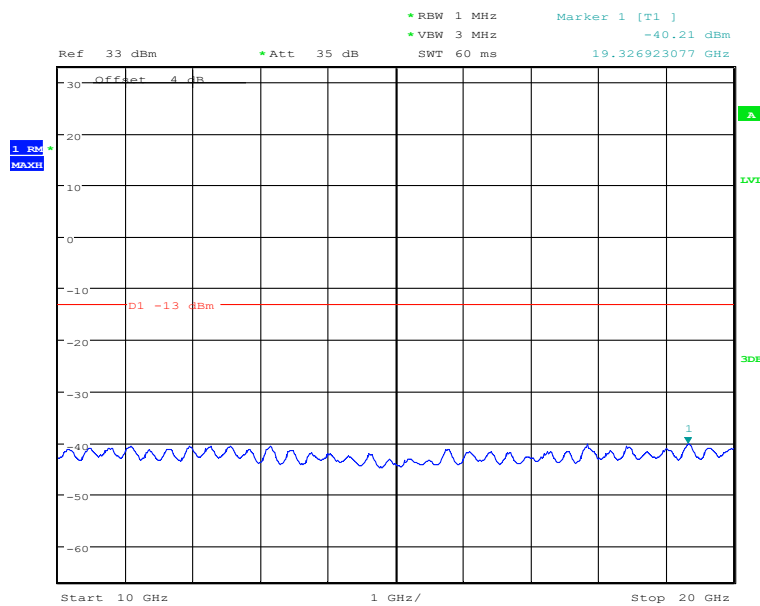
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 29.DEC.2020 08:03:09

Band4-High Channel-3MHz Bandwidth-1GHz to 10GHz



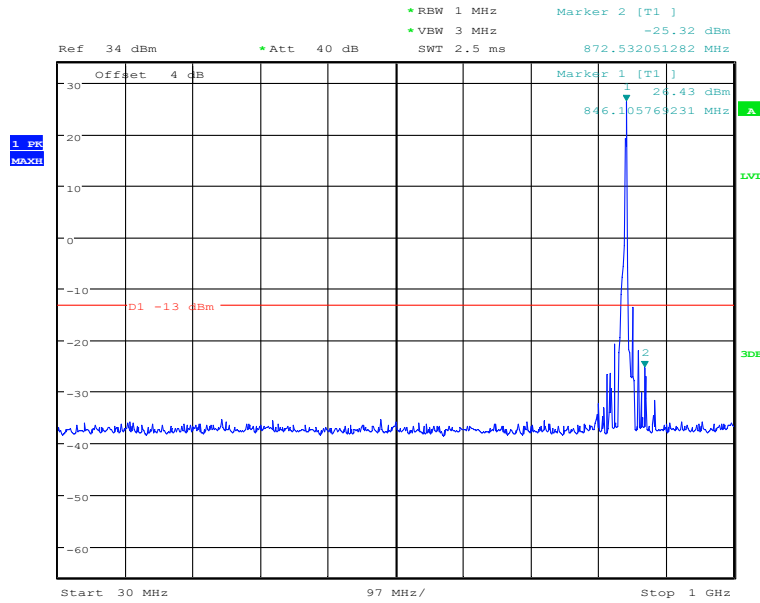
Date: 29.DEC.2020 08:03:48

Band4-High Channel-3MHz Bandwidth-10GHz to 20GHz

Chongqing Academy of Information and Communication Technology

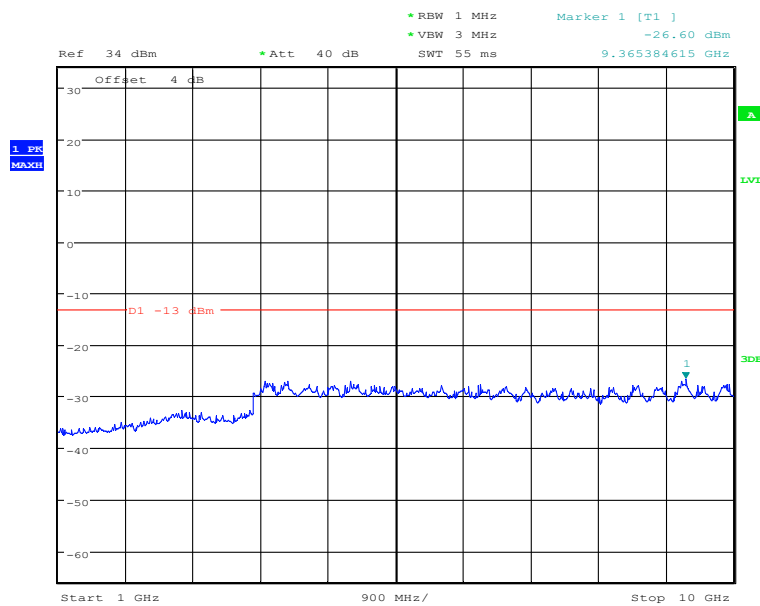
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 01:02:53

Band4-High Channel-5MHz Bandwidth-30MHz to 1GHz



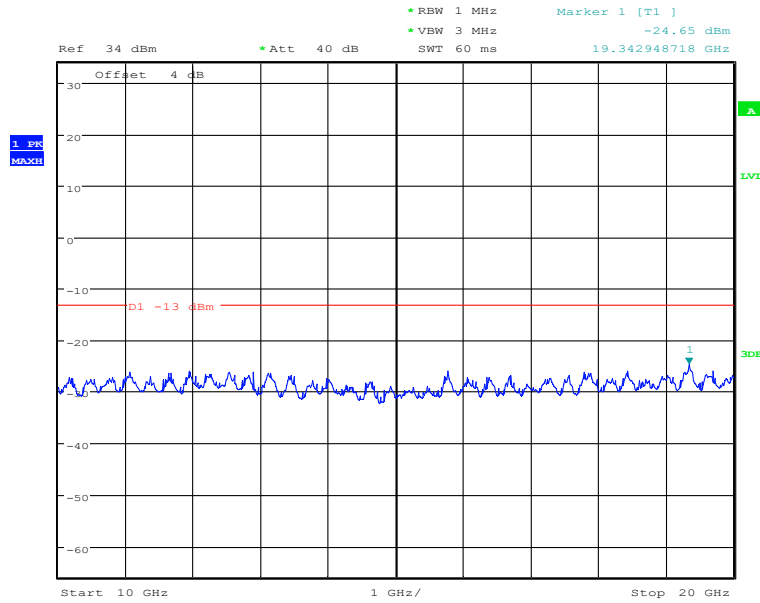
Date: 30.DEC.2020 01:03:12

Band4-High Channel-5MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

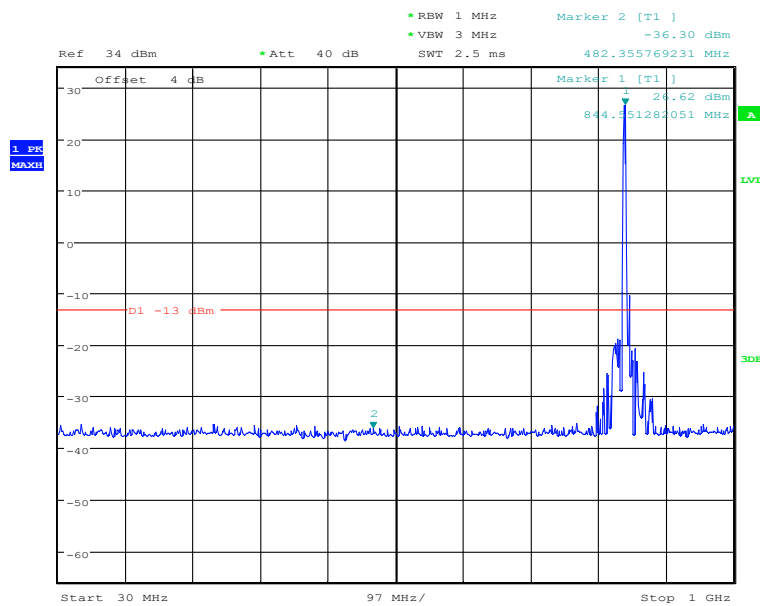
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 01:03:29

Band4-High Channel-5MHz Bandwidth-10GHz to 20GHz



Date: 30.DEC.2020 01:11:03

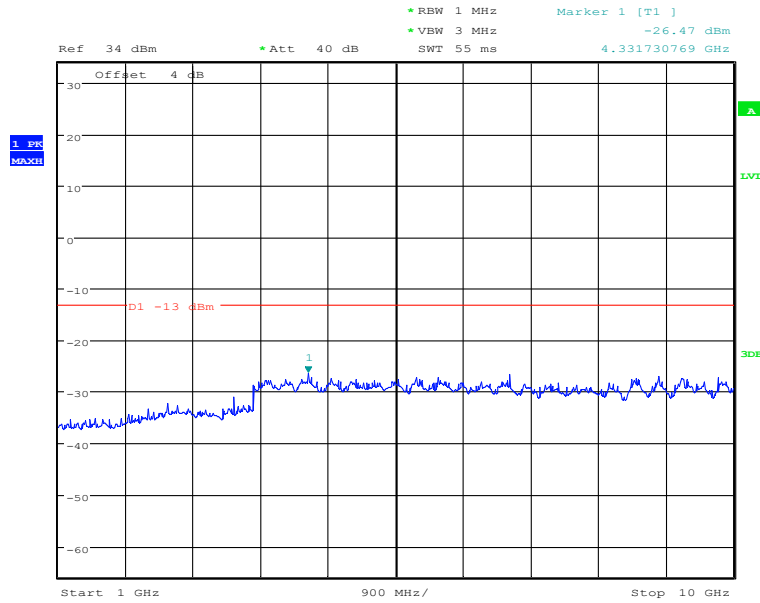
Band4-High Channel-10MHz Bandwidth-30MHz to 1GHz

Chongqing Academy of Information and Communication Technology

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

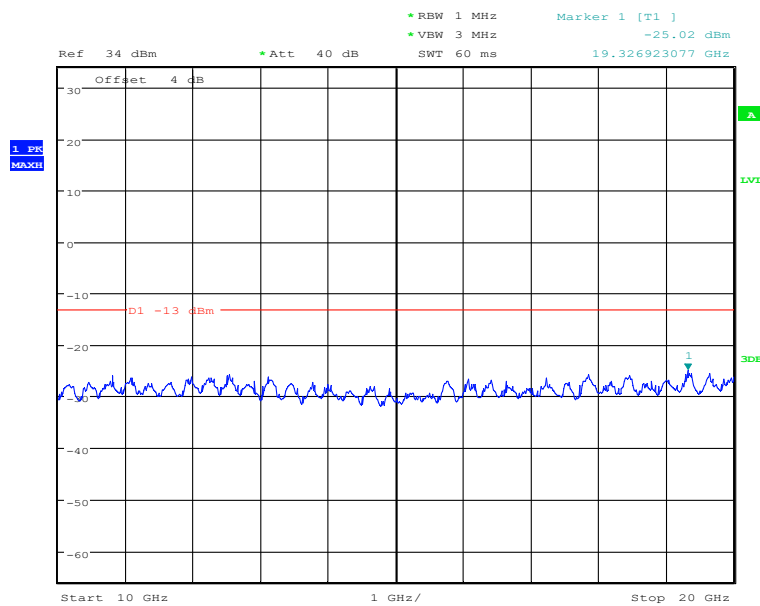


Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 01:10:23

Band4-High Channel-10MHz Bandwidth-1GHz to 10GHz



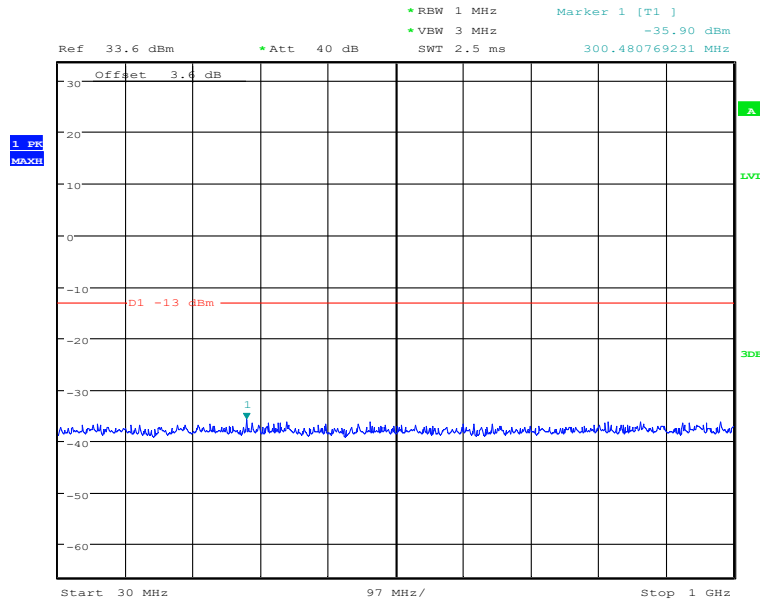
Date: 30.DEC.2020 01:10:00

Band4-High Channel-10MHz Bandwidth-10GHz to 20GHz

Chongqing Academy of Information and Communication Technology

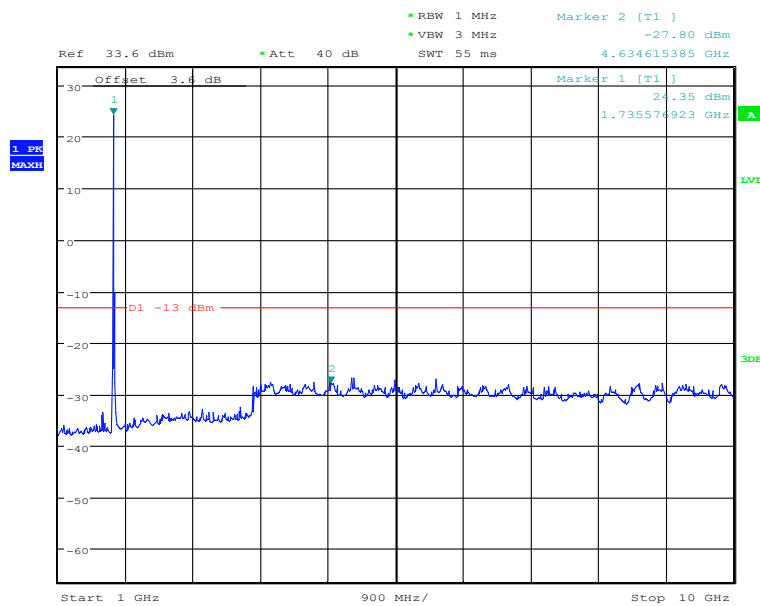
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 2.JAN.2021 03:41:57

Band4-High Channel-15MHz Bandwidth-30MHz to 1GHz



Date: 2.JAN.2021 03:40:51

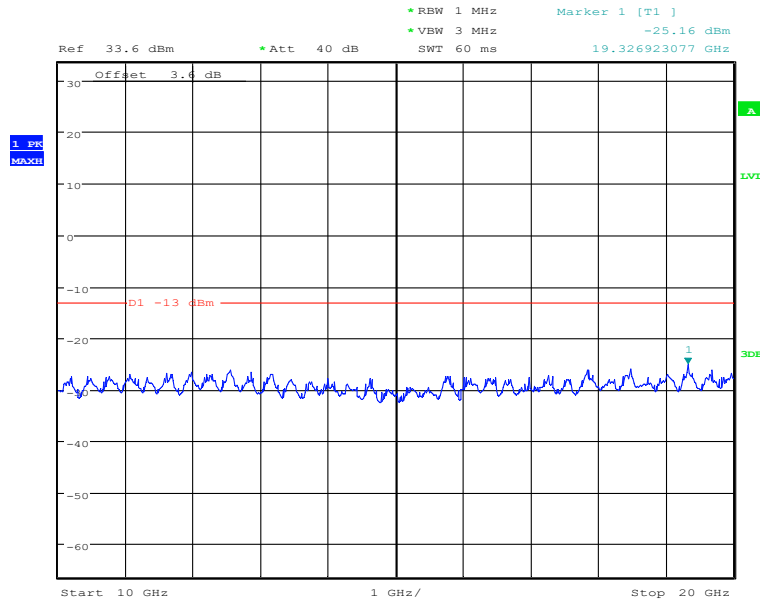
Band4-High Channel-15MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

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

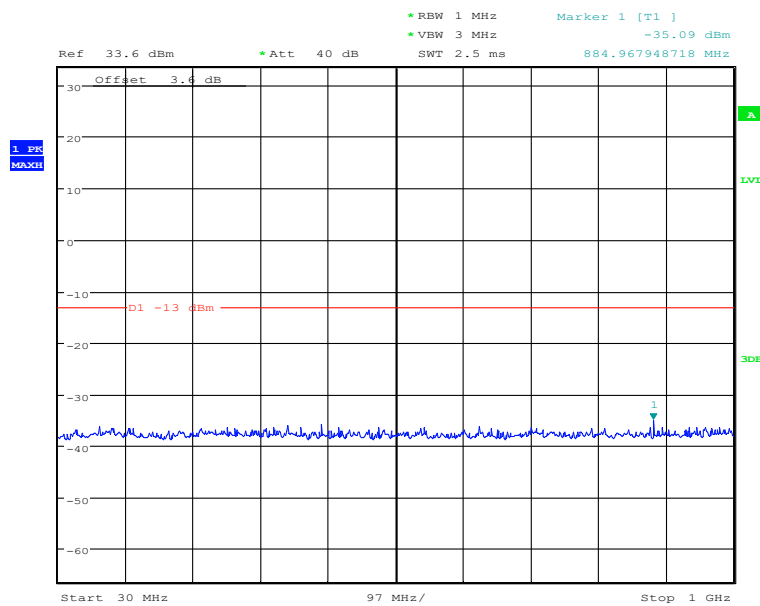


Report No.: I20W00023-WWAN_Rev1



Date: 2.JAN.2021 03:41:37

Band4-High Channel-15MHz Bandwidth-10GHz to 20GHz



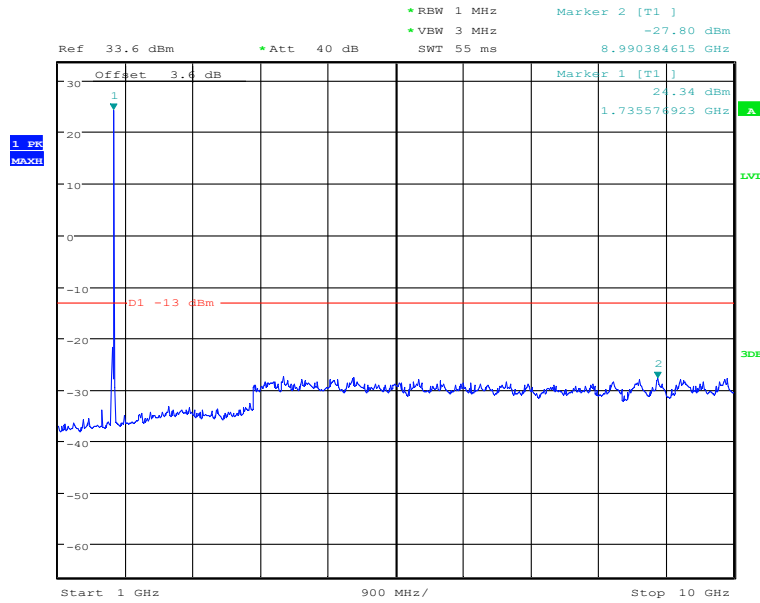
Date: 2.JAN.2021 03:45:29

Band4-High Channel-20MHz Bandwidth-30MHz to 1GHz

Chongqing Academy of Information and Communication Technology

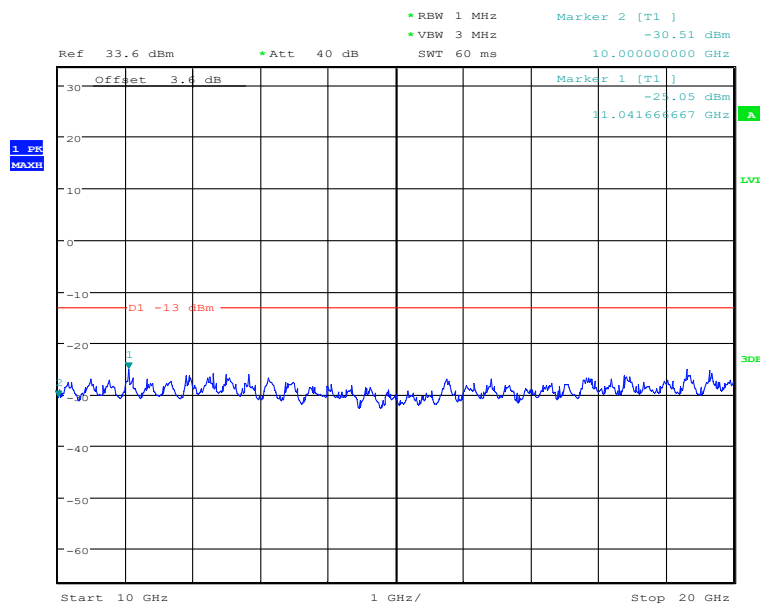
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 2.JAN.2021 03:45:52

Band4-High Channel-20MHz Bandwidth-1GHz to 10GHz



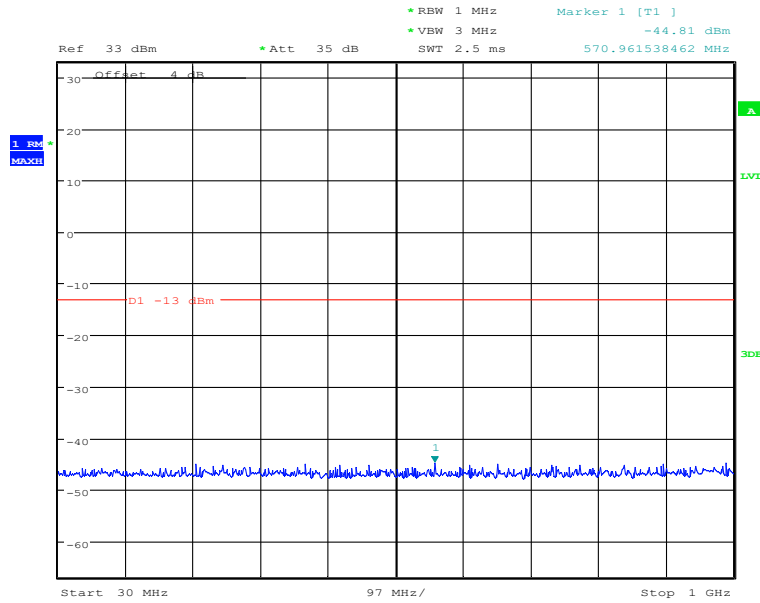
Date: 2.JAN.2021 03:46:23

Band4-High Channel-20MHz Bandwidth-10GHz to 20GHz

Chongqing Academy of Information and Communication Technology

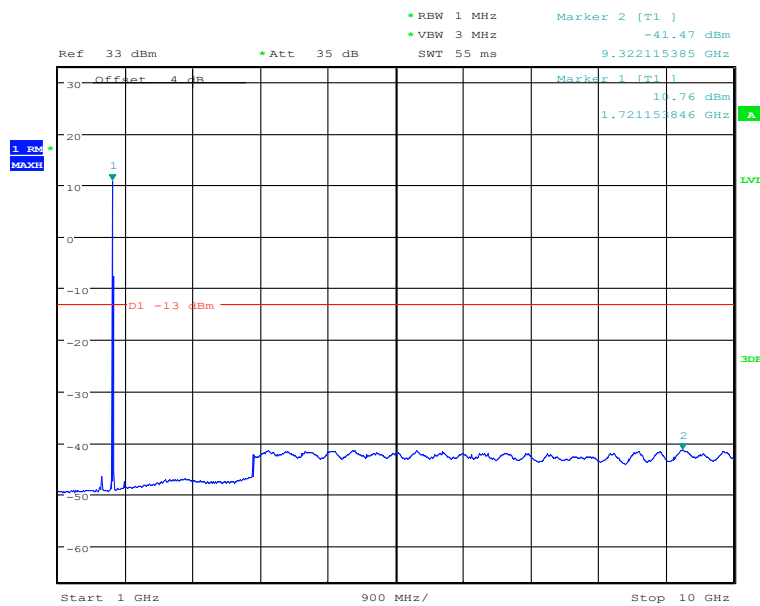
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 29.DEC.2020 07:50:51

Band4-Middle Channel-1.4MHz Bandwidth-30MHz to 1GHz



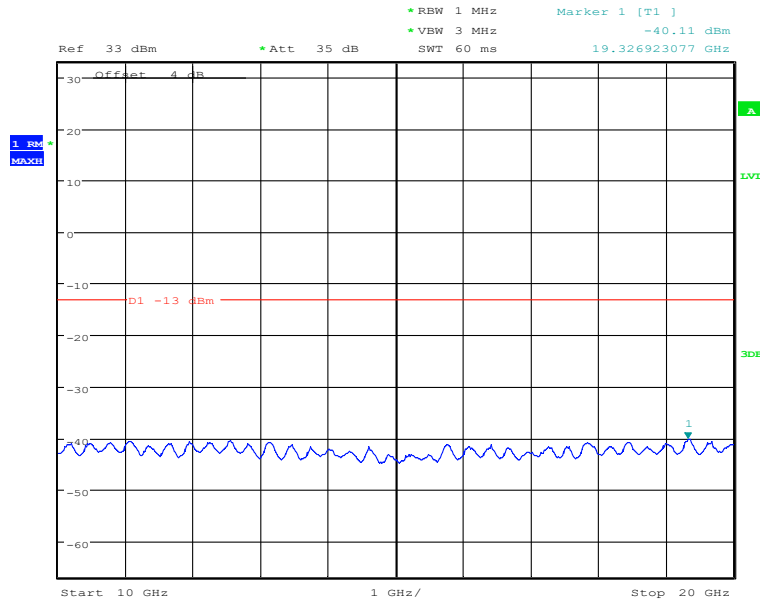
Date: 29.DEC.2020 07:51:22

Band4-Middle Channel-1.4MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

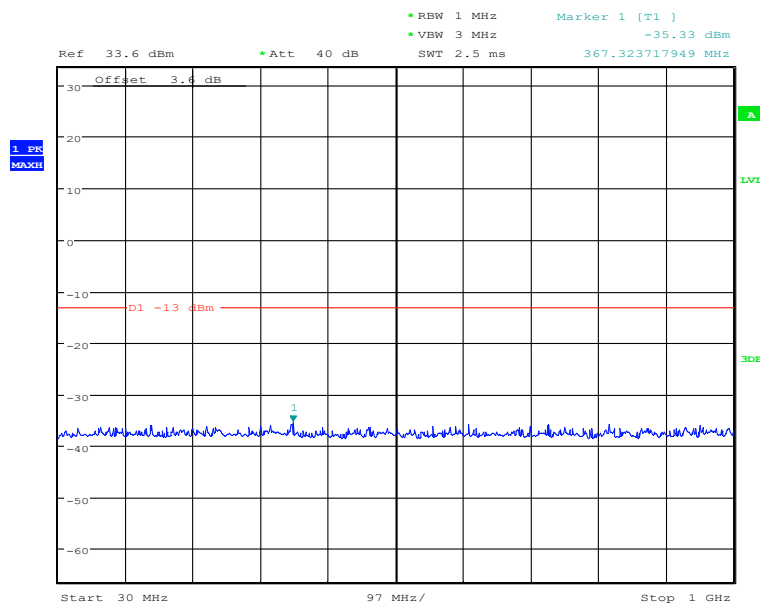
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 29.DEC.2020 07:51:49

Band4-Middle Channel-1.4MHz Bandwidth-10GHz to 20GHz



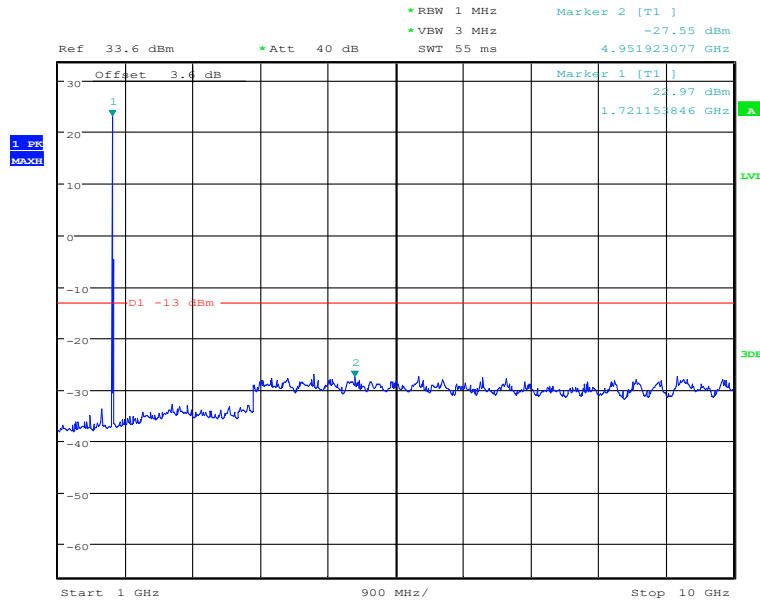
Date: 30.DEC.2020 00:51:48

Band4-Middle Channel-3MHz Bandwidth-30MHz to 1GHz

Chongqing Academy of Information and Communication Technology

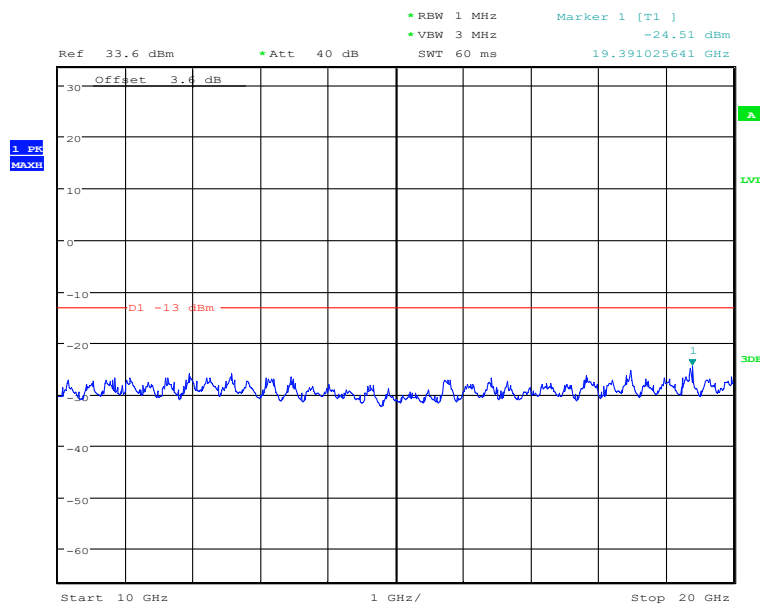
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 00:51:22

Band4-Middle Channel-3MHz Bandwidth-1GHz to 10GHz



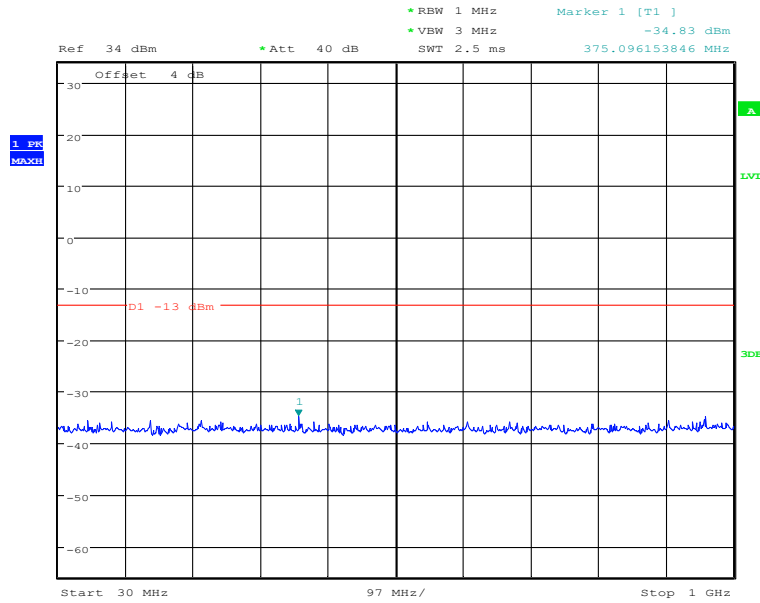
Date: 30.DEC.2020 00:51:01

Band4-Middle Channel-3MHz Bandwidth-10GHz to 20GHz

Chongqing Academy of Information and Communication Technology

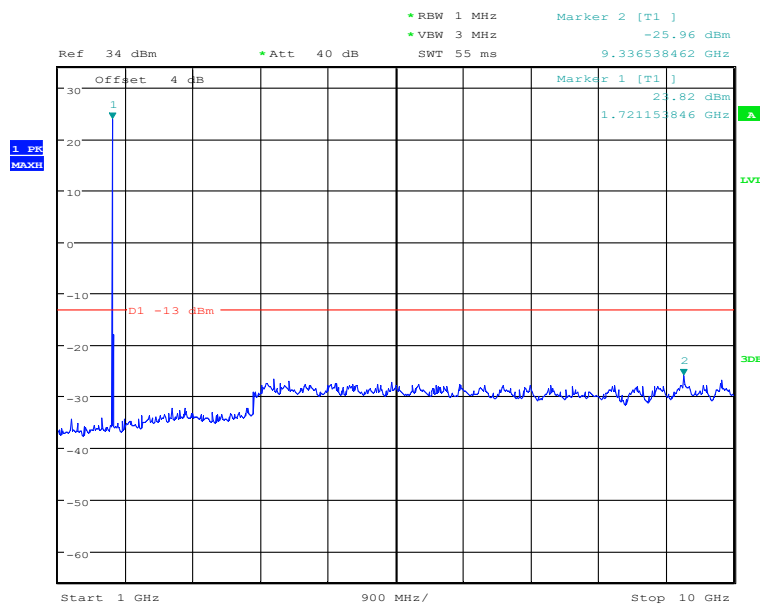
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 00:54:36

Band4-Middle Channel-5MHz Bandwidth-30MHz to 1GHz



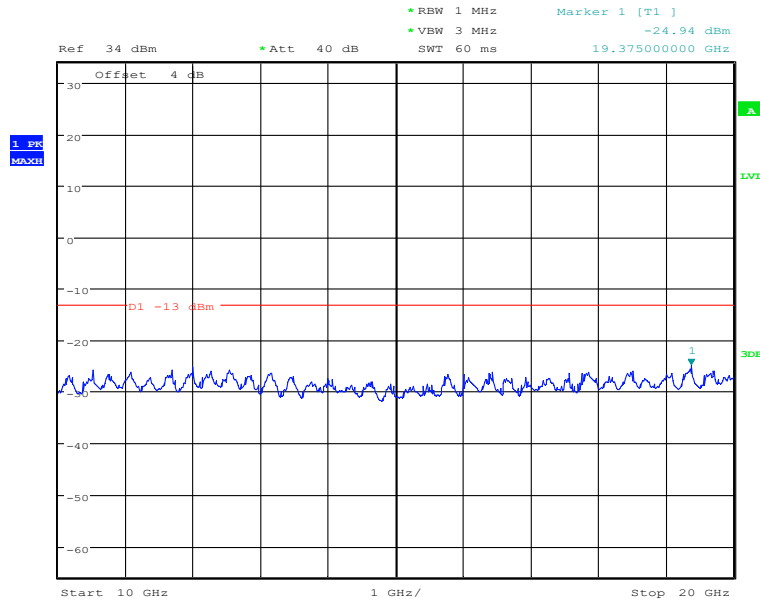
Date: 30.DEC.2020 00:54:59

Band4-Middle Channel-5MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

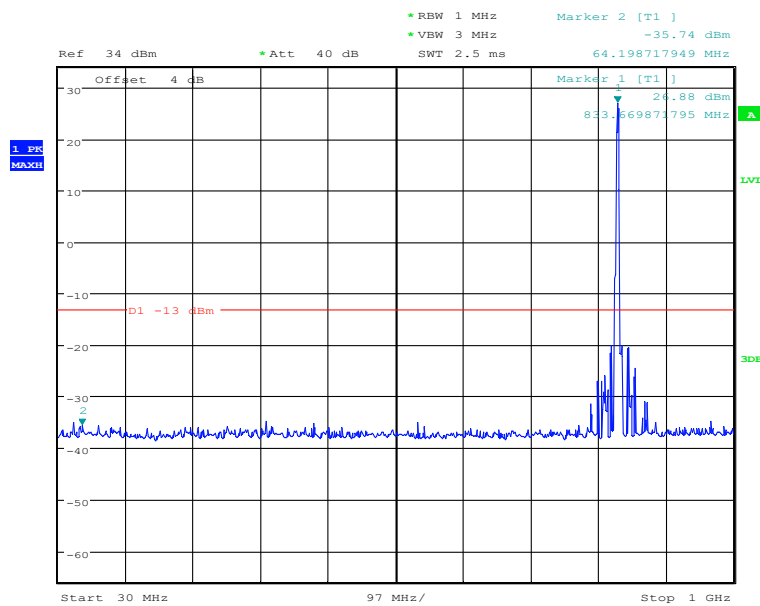
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 00:55:24

Band4-Middle Channel-5MHz Bandwidth-10GHz to 20GHz



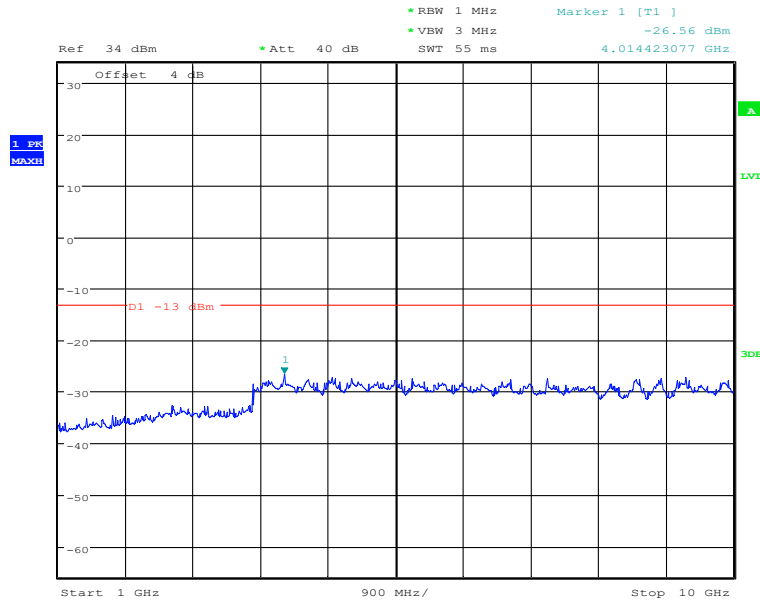
Date: 30.DEC.2020 01:14:19

Band4-Middle Channel-10MHz Bandwidth-30MHz to 1GHz

Chongqing Academy of Information and Communication Technology

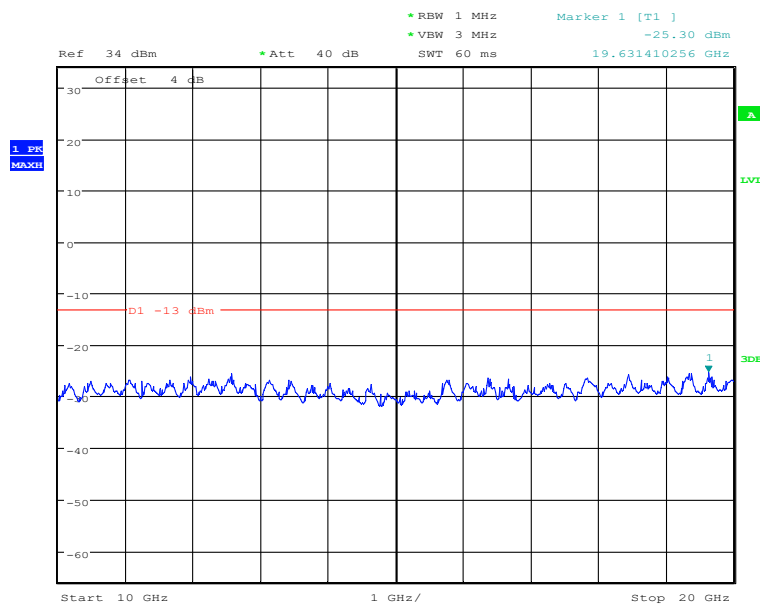
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 01:14:37

Band4-Middle Channel-10MHz Bandwidth-1GHz to 10GHz



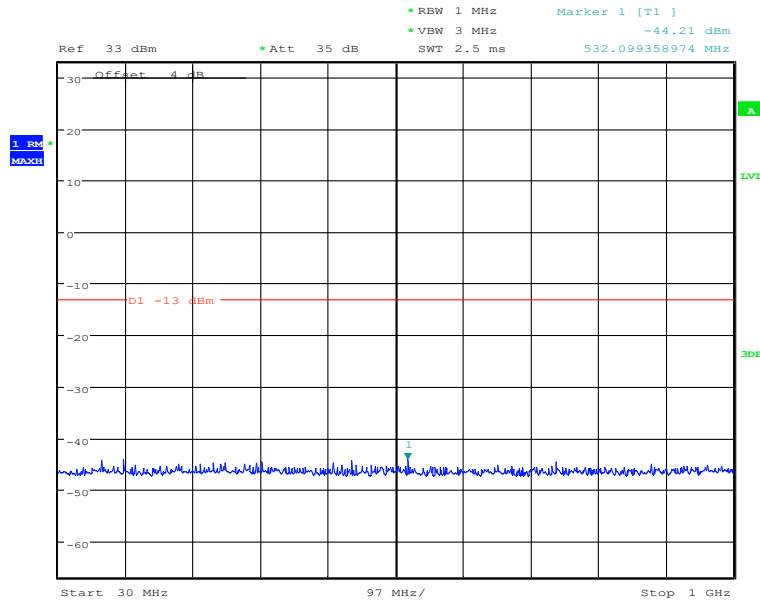
Date: 30.DEC.2020 01:14:54

Band4-Middle Channel-10MHz Bandwidth-10GHz to 20GHz

Chongqing Academy of Information and Communication Technology

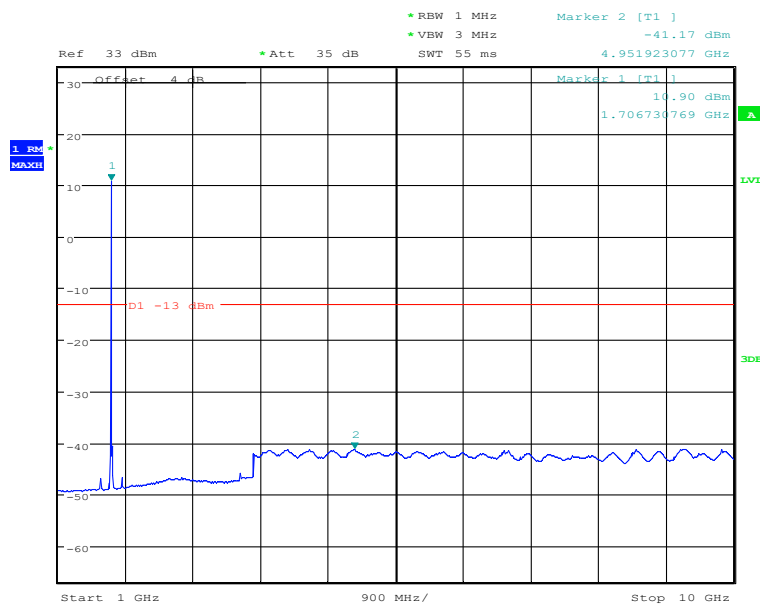
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 29.DEC.2020 07:35:42

Band4-Low Channel-1.4MHz Bandwidth-30MHz to 1GHz



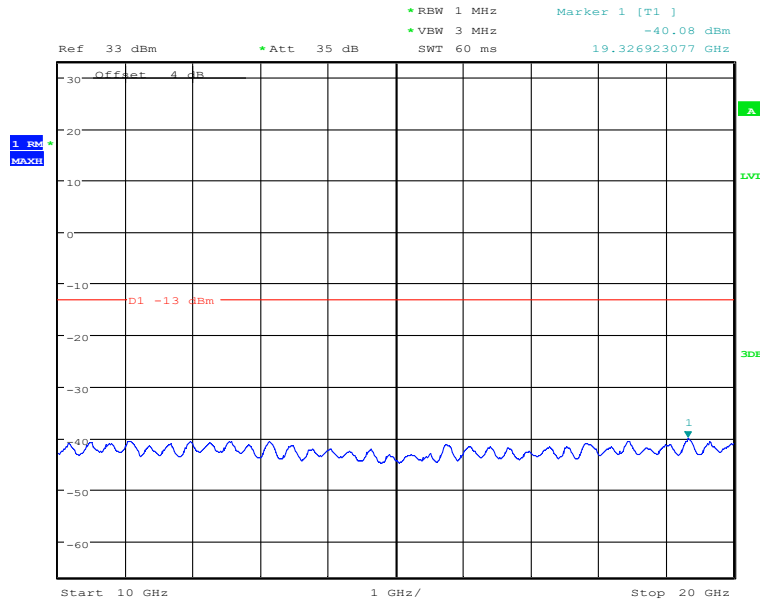
Date: 29.DEC.2020 07:37:24

Band4-Low Channel-1.4MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

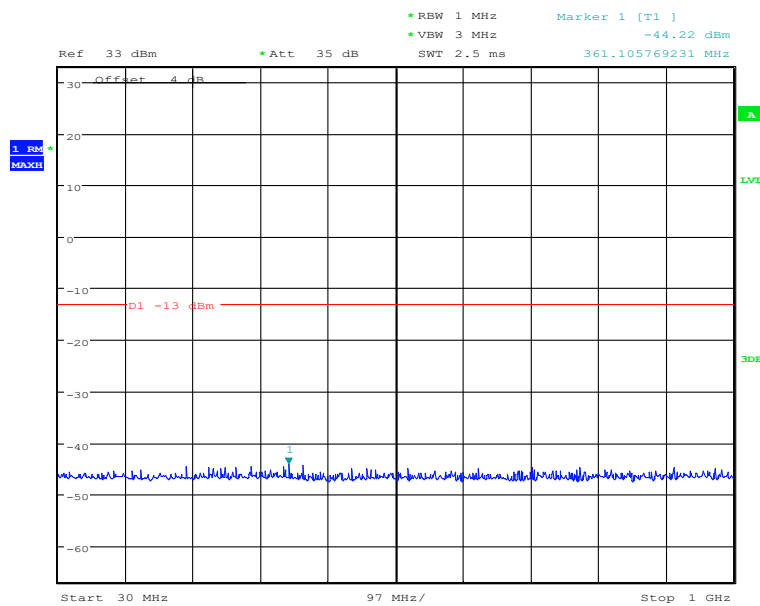
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 29.DEC.2020 07:37:41

Band4-Low Channel-1.4MHz Bandwidth-10GHz to 20GHz



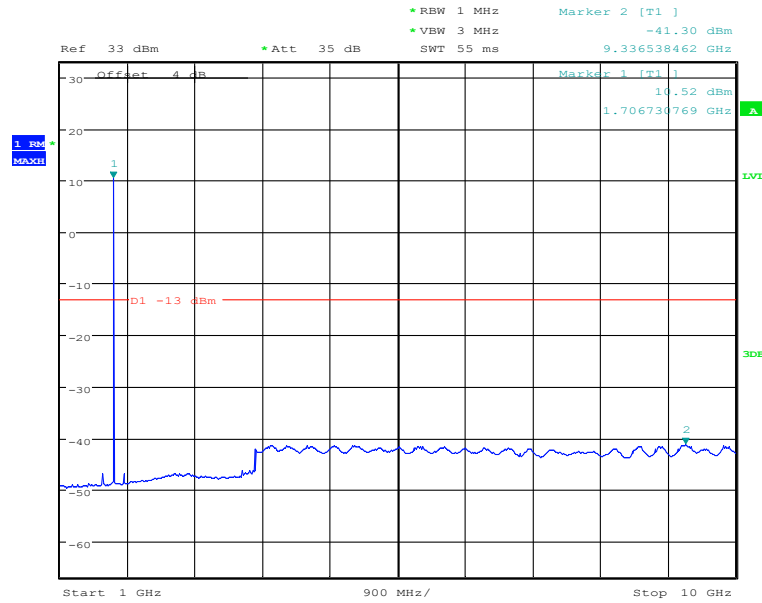
Date: 29.DEC.2020 07:57:41

Band4-Low Channel-3MHz Bandwidth-30MHz to 1GHz

Chongqing Academy of Information and Communication Technology

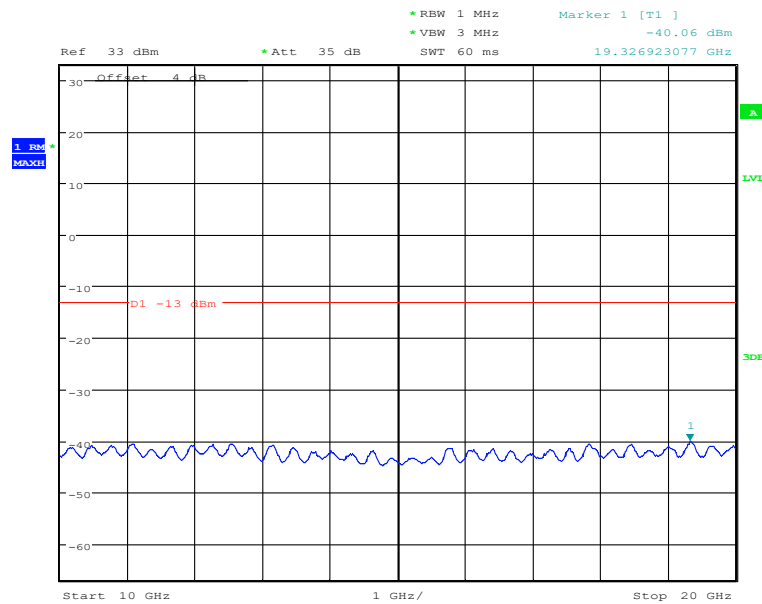
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 29.DEC.2020 07:58:48

Band4-Low Channel-3MHz Bandwidth-1GHz to 10GHz



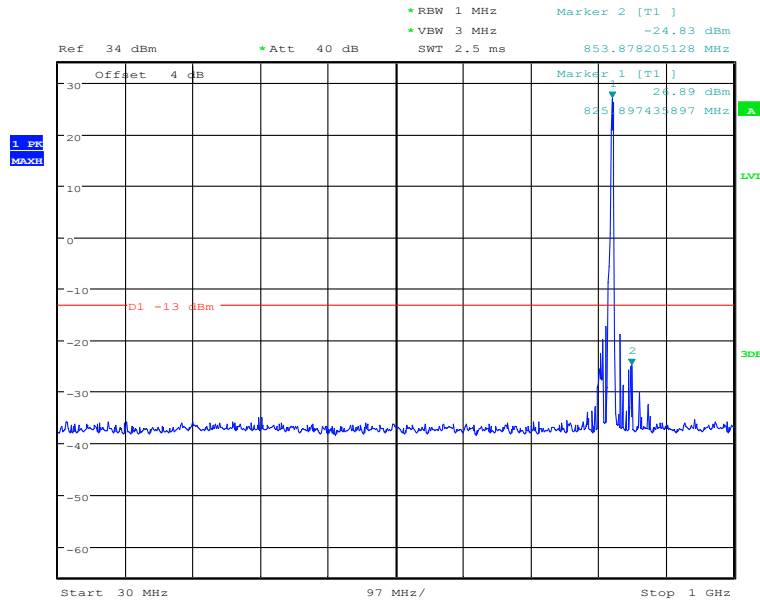
Date: 29.DEC.2020 07:59:13

Band4-Low Channel-3MHz Bandwidth-10GHz to 20GHz

Chongqing Academy of Information and Communication Technology

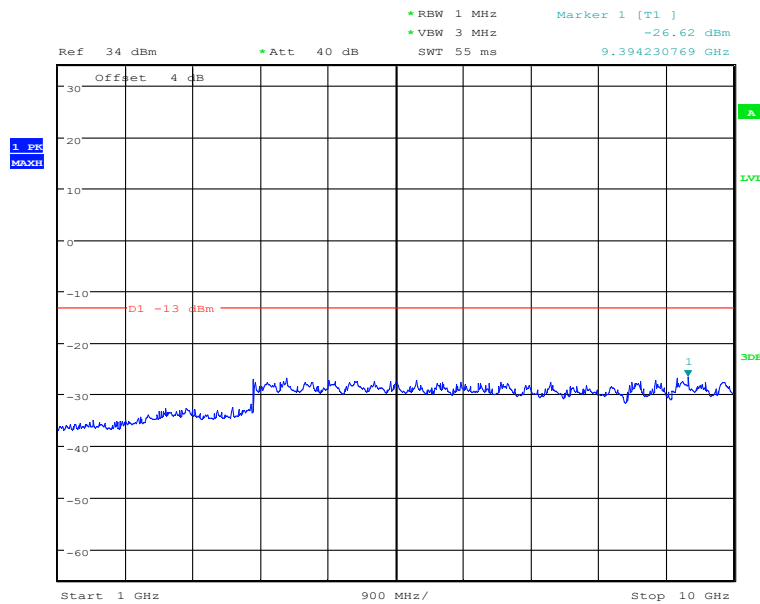
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 00:59:31

Band4-Low Channel-5MHz Bandwidth-30MHz to 1GHz



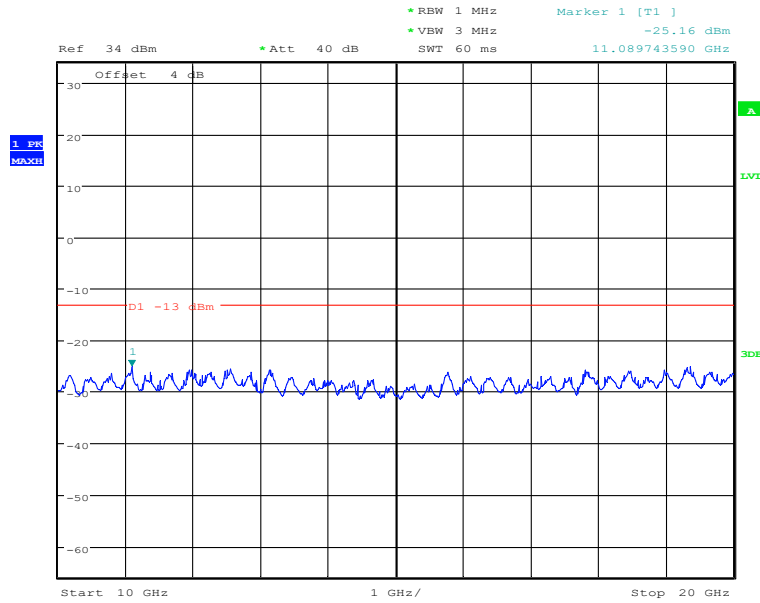
Date: 30.DEC.2020 00:59:03

Band4-Low Channel-5MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

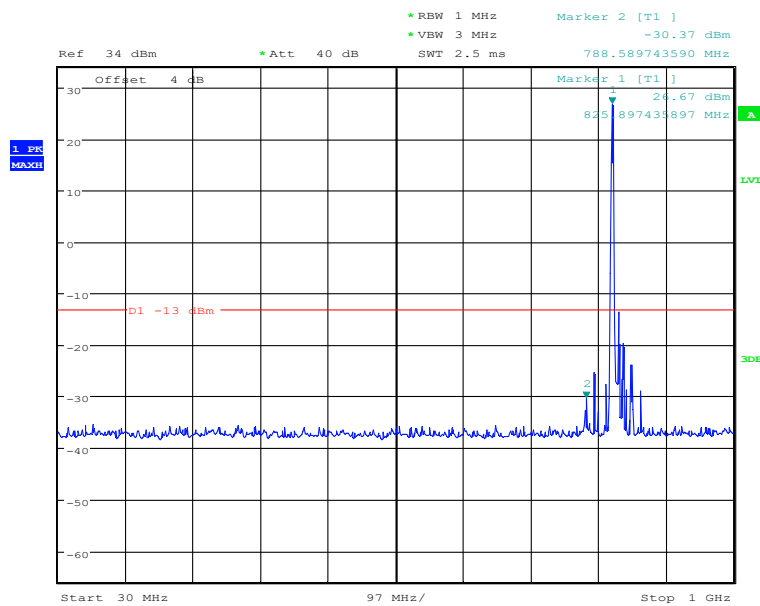
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 00:58:26

Band4-Low Channel-5MHz Bandwidth-10GHz to 20GHz



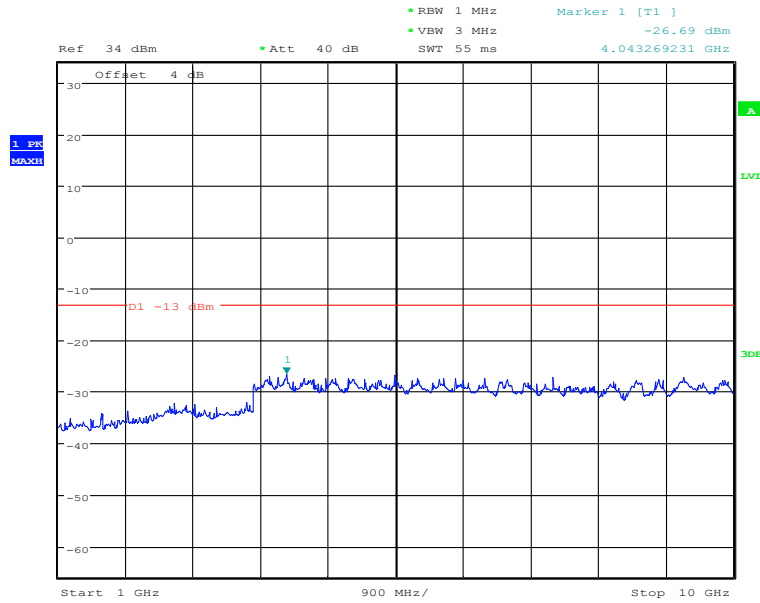
Date: 30.DEC.2020 01:18:39

Band4-Low Channel-10MHz Bandwidth-30MHz to 1GHz

Chongqing Academy of Information and Communication Technology

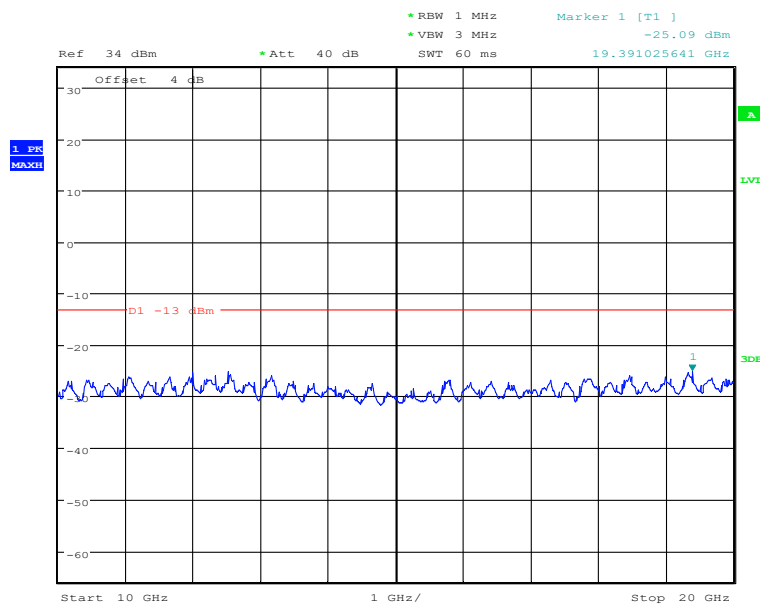
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 01:18:16

Band4-Low Channel-10MHz Bandwidth-1GHz to 10GHz



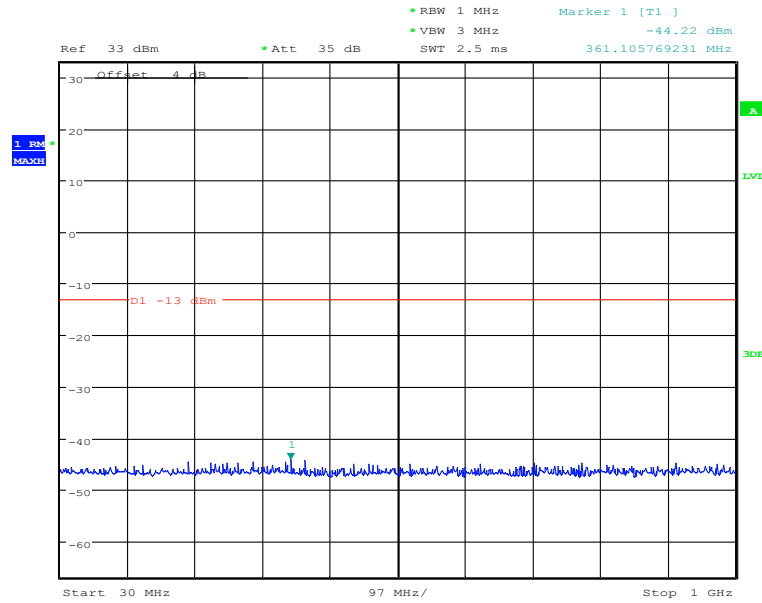
Date: 30.DEC.2020 01:17:58

Band4-Low Channel-10MHz Bandwidth-10GHz to 20GHz

Chongqing Academy of Information and Communication Technology

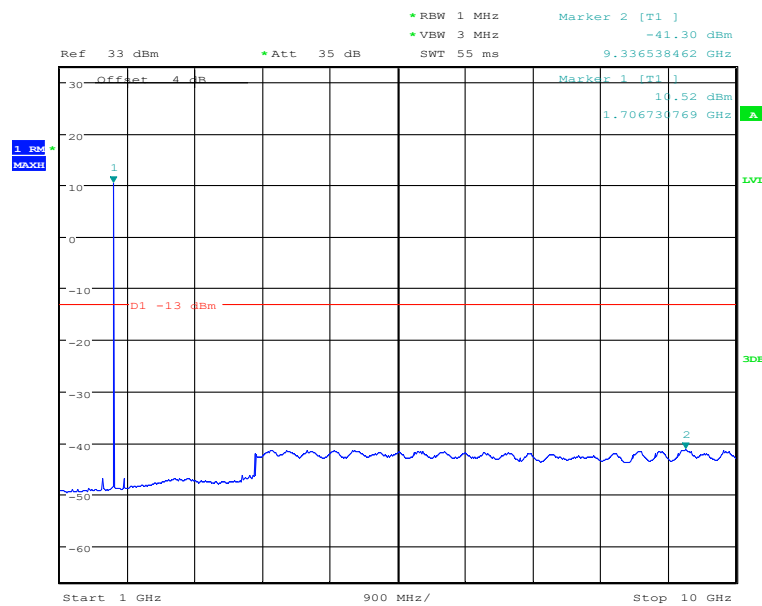
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 29.DEC.2020 07:57:41

Band4-Low Channel-15MHz Bandwidth-30MHz to 1GHz



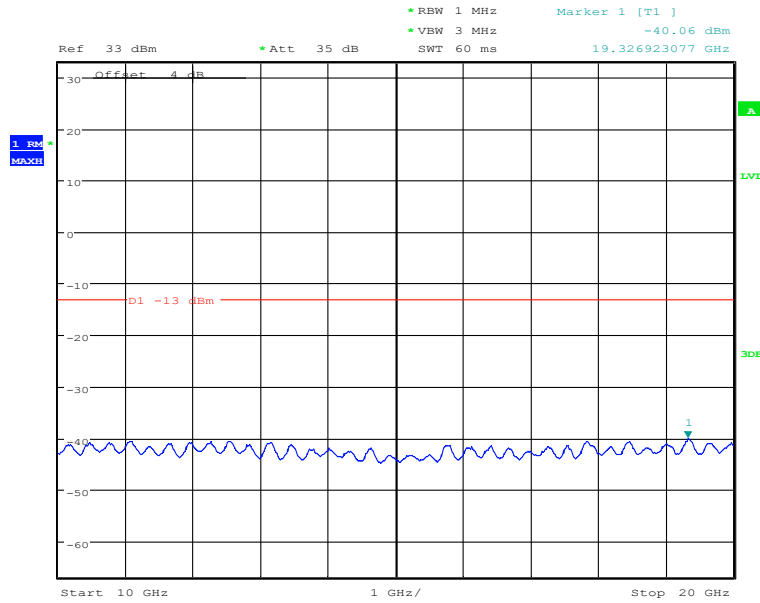
Date: 29.DEC.2020 07:58:48

Band4-Low Channel-15MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

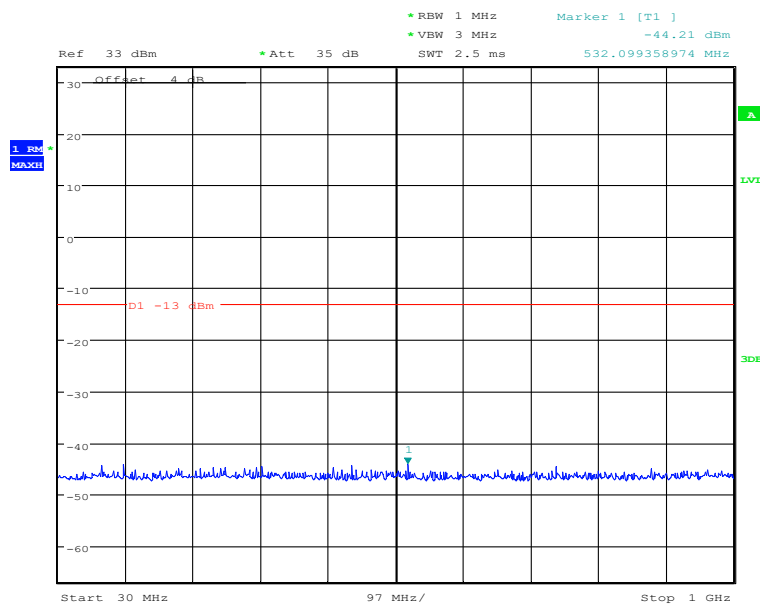
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 29.DEC.2020 07:59:13

Band4-Low Channel-15MHz Bandwidth-10GHz to 20GHz



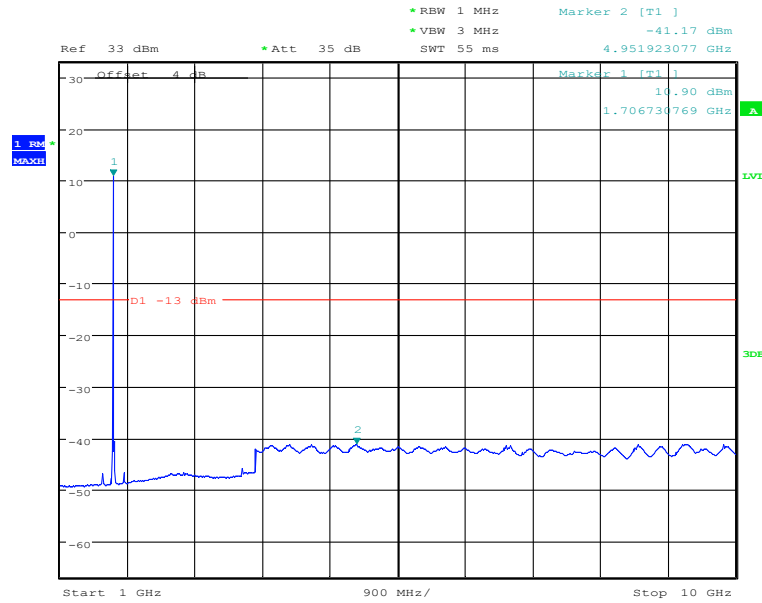
Date: 29.DEC.2020 07:35:42

Band4-Low Channel-20MHz Bandwidth-30MHz to 1GHz

Chongqing Academy of Information and Communication Technology

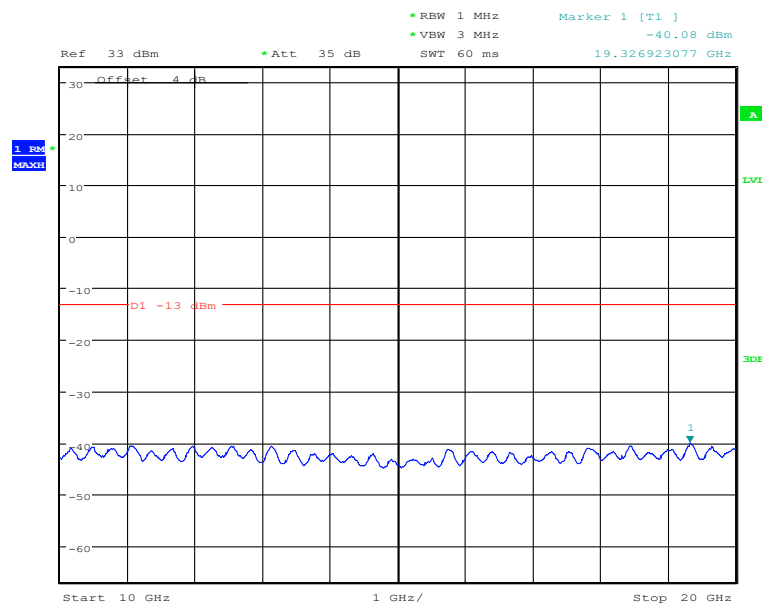
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 29.DEC.2020 07:37:24

Band4-Low Channel-20MHz Bandwidth-1GHz to 10GHz



Date: 29.DEC.2020 07:37:41

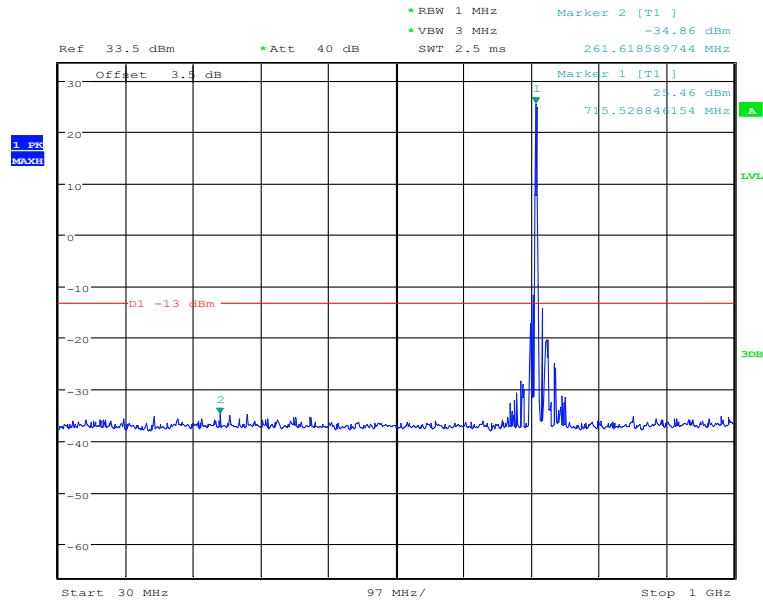
Band4-Low Channel-20MHz Bandwidth-10GHz to 20GHz

Chongqing Academy of Information and Communication Technology

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

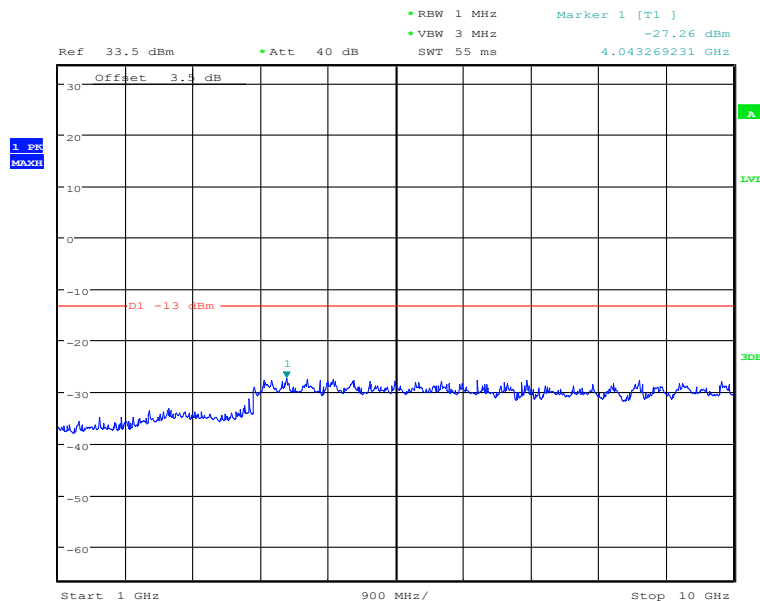
Report No.: I20W00023-WWAN_Rev1

5.3.10 CAT-M B12 Conducted Spurious Emission Results



Date: 30.DEC.2020 01:47:00

High Channel-1.4MHz Bandwidth-30MHz to 1GHz



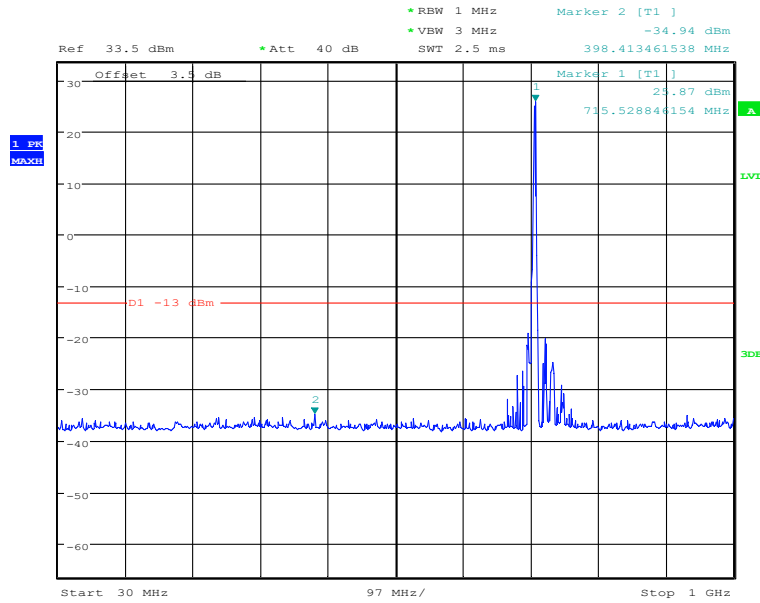
Date: 30.DEC.2020 01:47:17

High Channel-1.4MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

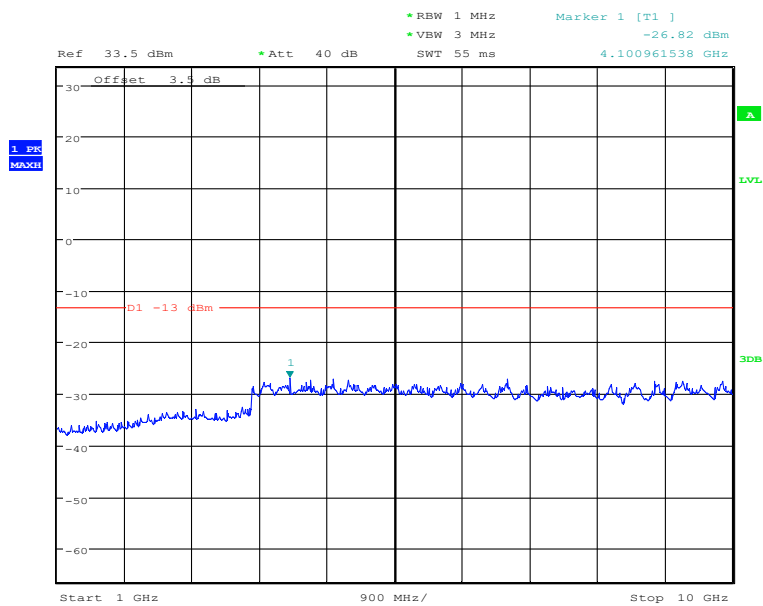
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 01:52:21

High Channel-3MHz Bandwidth-30MHz to 1GHz



Date: 30.DEC.2020 01:51:19

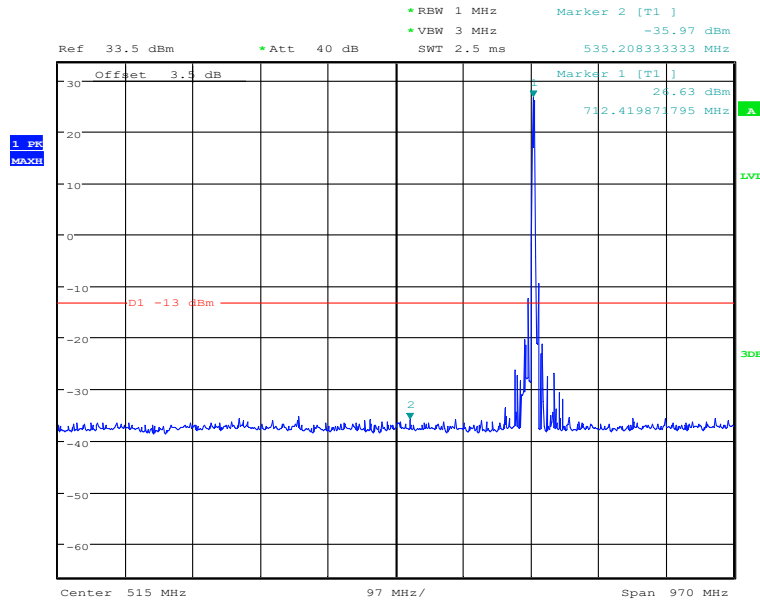
High Channel-3MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

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

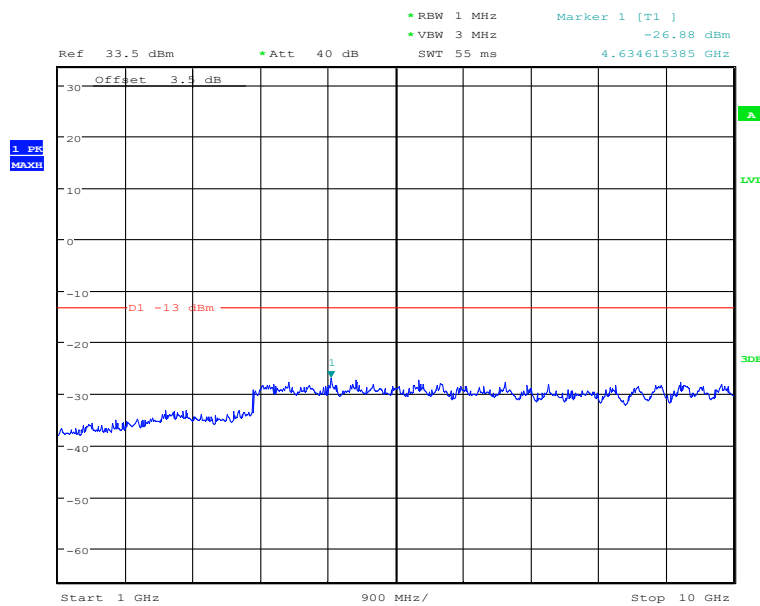


Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 01:57:59

High Channel-5MHz Bandwidth-30MHz to 1GHz



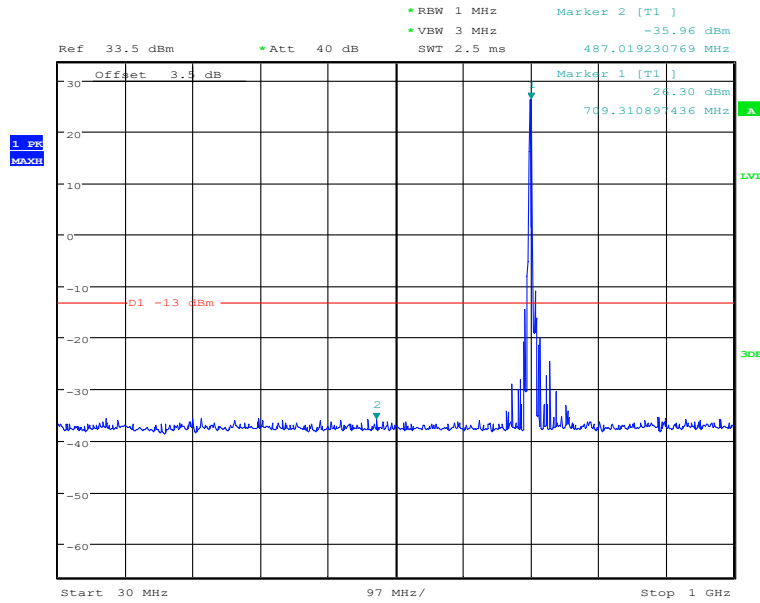
Date: 30.DEC.2020 01:57:22

High Channel-5MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

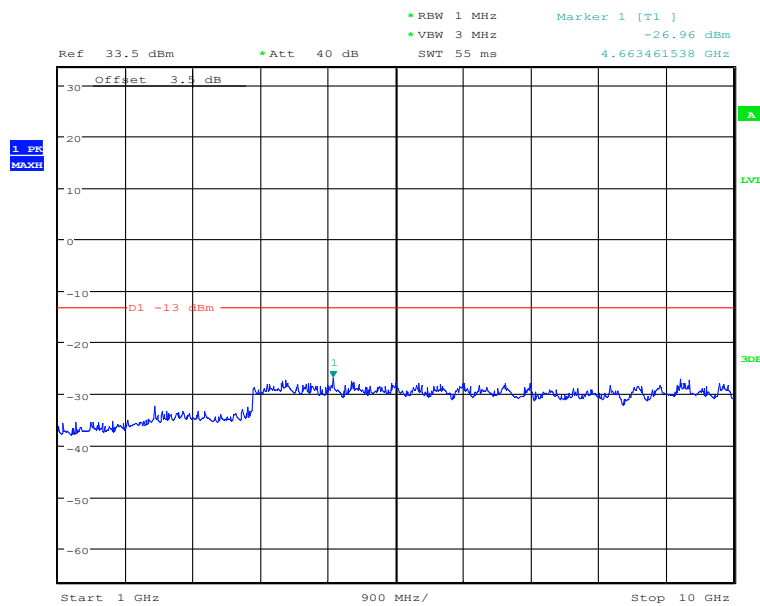
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 02:01:51

High Channel-10MHz Bandwidth-30MHz to 1GHz



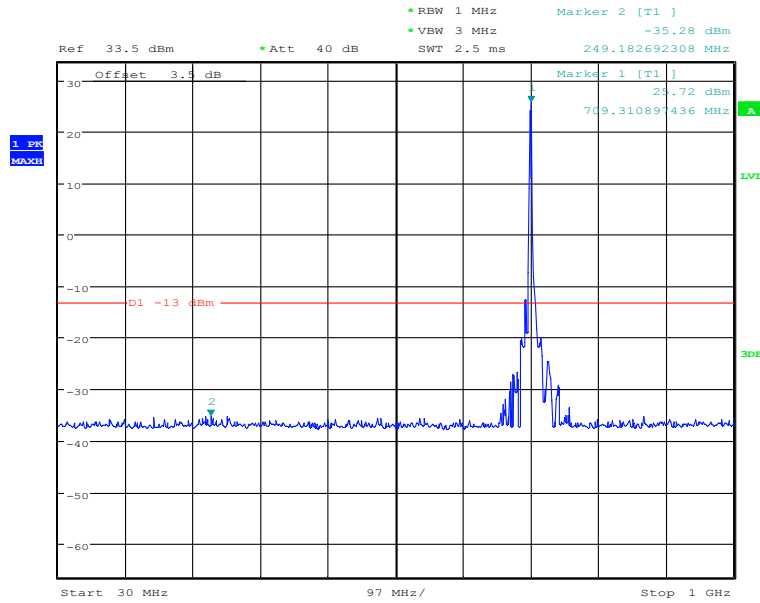
Date: 30.DEC.2020 02:00:55

High Channel-10MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

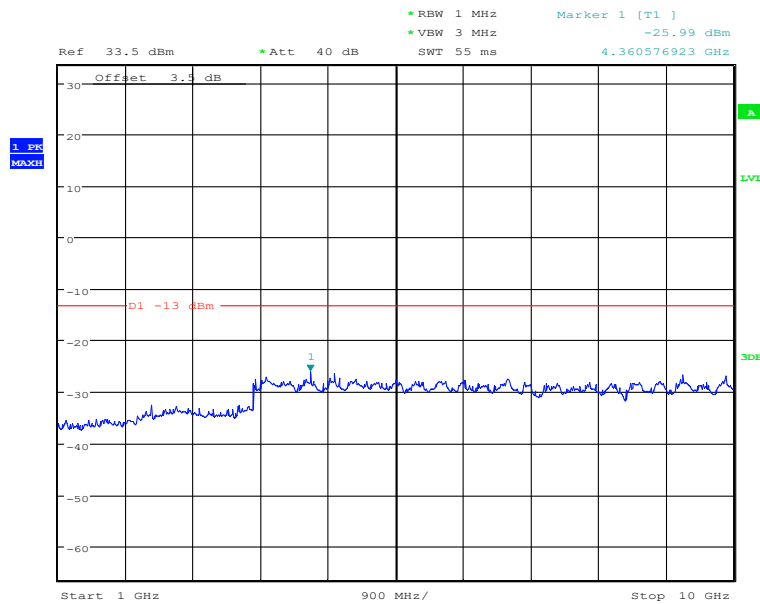
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 01:35:20

Middle Channel-1.4MHz Bandwidth-30MHz to 1GHz



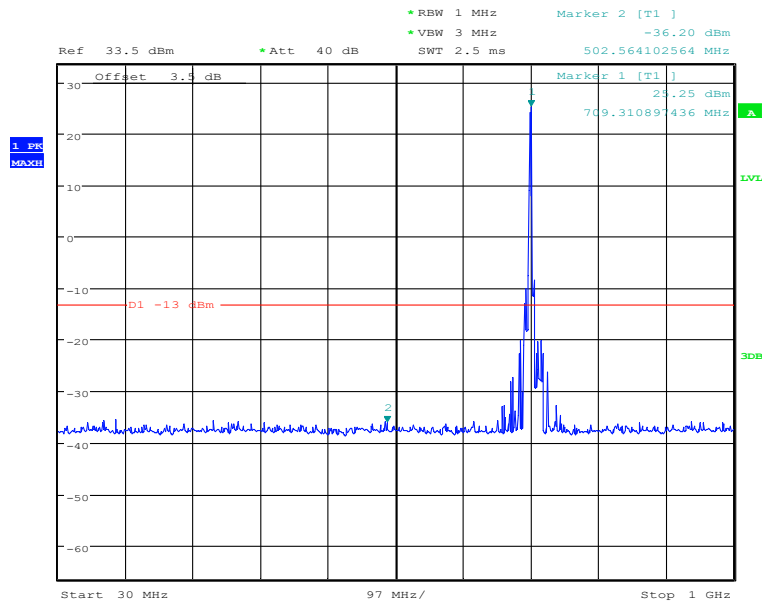
Date: 30.DEC.2020 01:41:56

Middle Channel-1.4MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

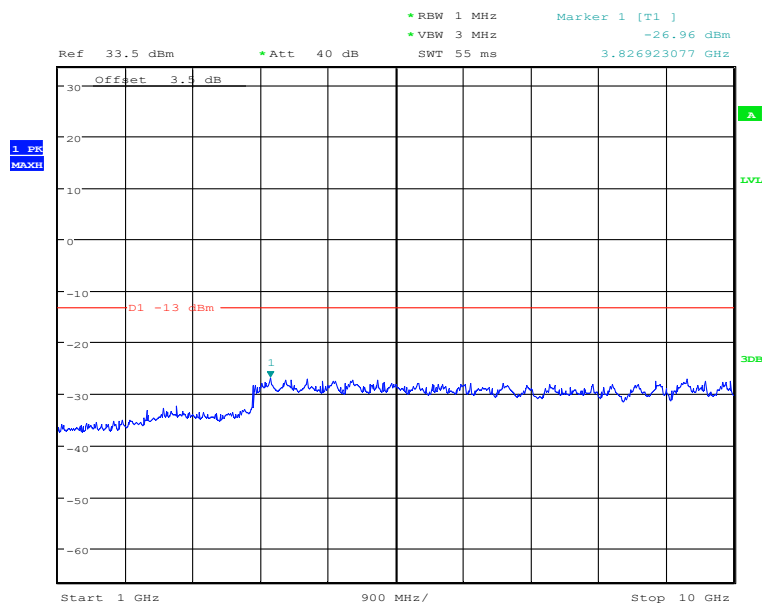
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 01:35:54

Middle Channel-3MHz Bandwidth-30MHz to 1GHz



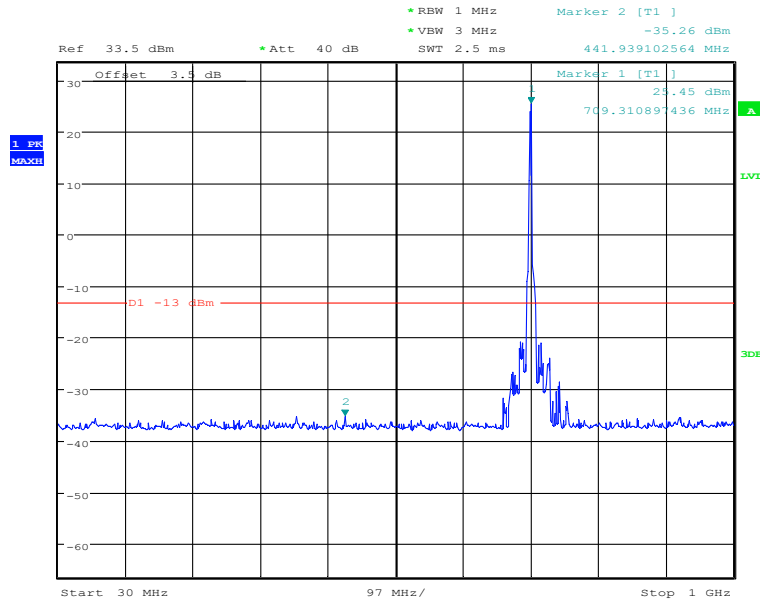
Date: 30.DEC.2020 01:41:02

Middle Channel-3MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

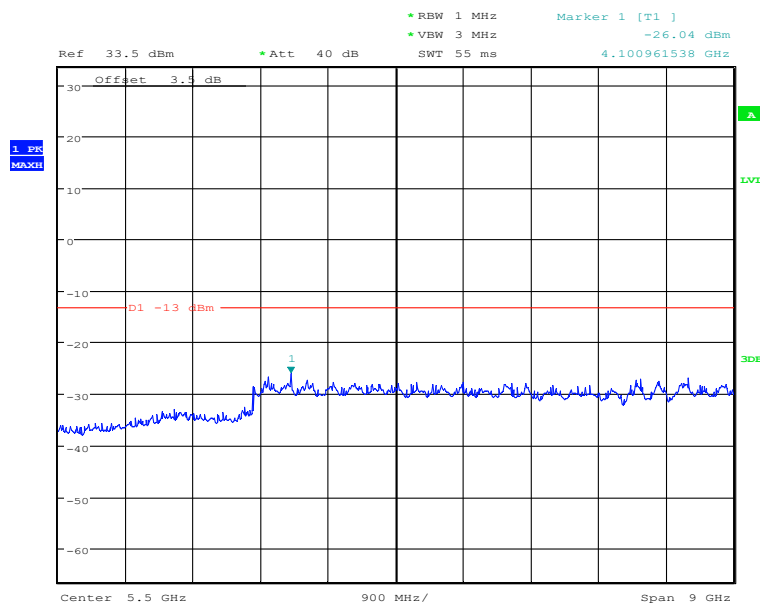
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 01:37:08

Middle Channel-5MHz Bandwidth-30MHz to 1GHz



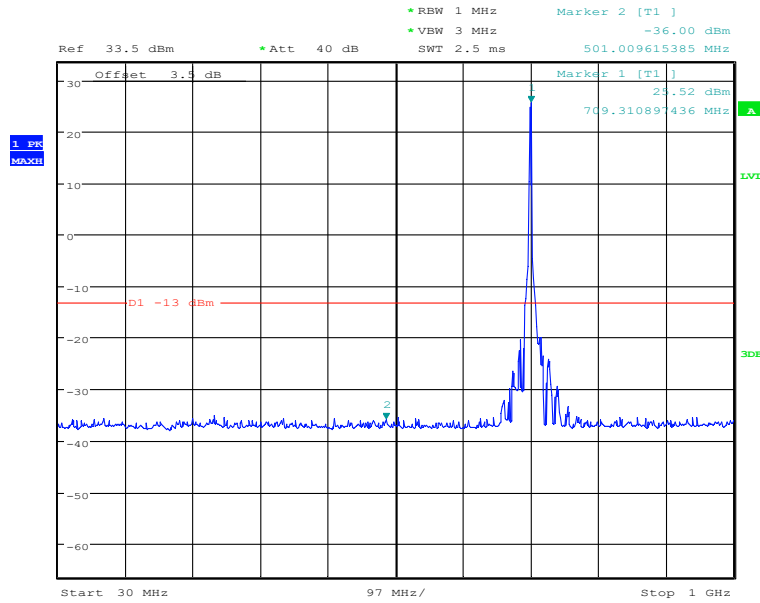
Date: 30.DEC.2020 01:40:18

Middle Channel-5MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

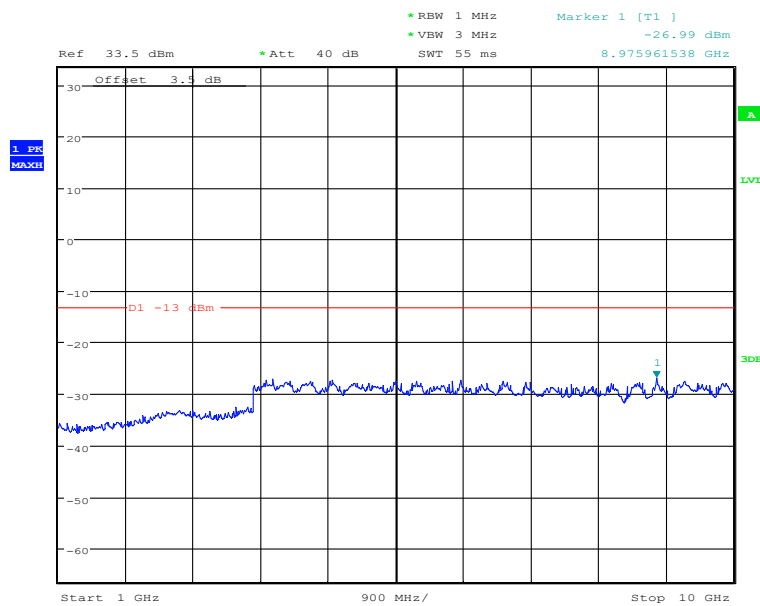
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 01:38:58

Middle Channel-10MHz Bandwidth-30MHz to 1GHz



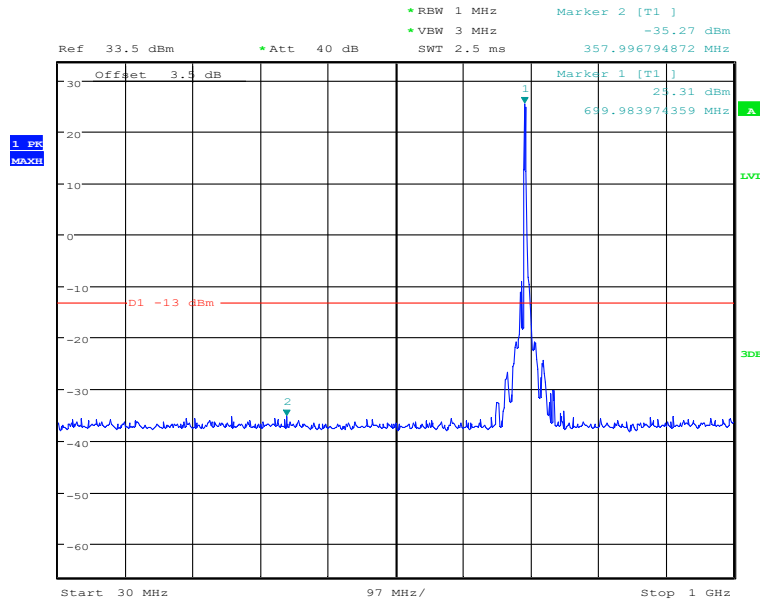
Date: 30.DEC.2020 01:39:57

Middle Channel-10MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

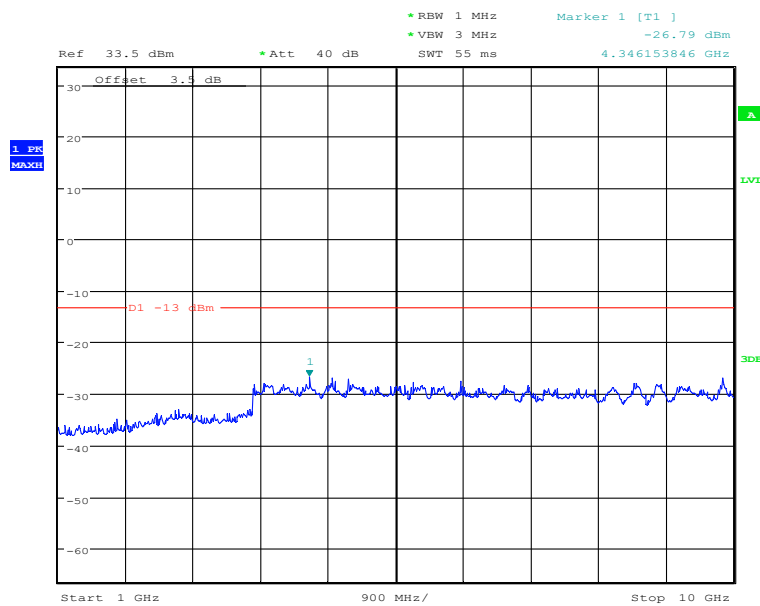
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 01:32:15

Low Channel-1.4MHz Bandwidth-30MHz to 1GHz



Date: 30.DEC.2020 01:32:38

Low Channel-1.4MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

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



The spectrum plot shows a signal with a peak at 361.105769231 MHz. The peak is labeled '1' and has a power of -34.79 dBm. The plot also shows a noise floor at -13 dBm, labeled 'D1 -13 dBm'. The plot is titled '1_Pk MAXdB'.

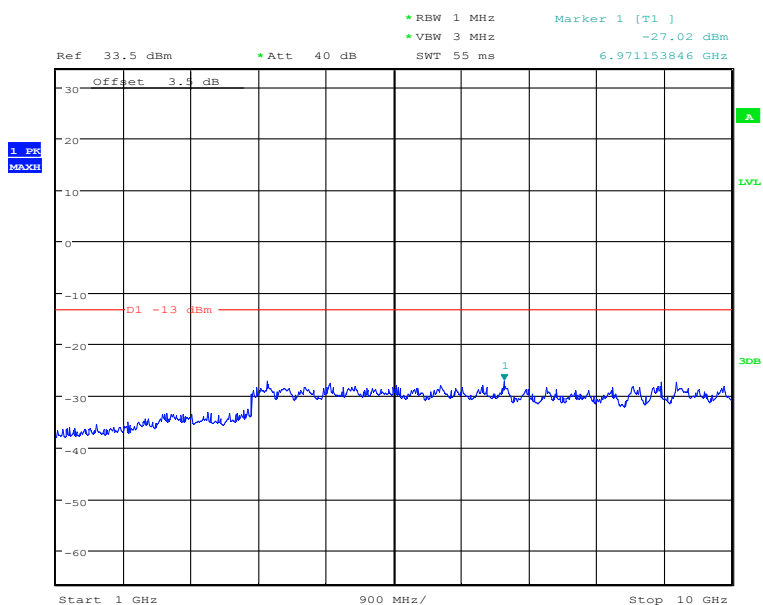
Parameters:

- Ref: 33.5 dBm
- Att: 40 dB
- RBW: 1 MHz
- VBW: 3 MHz
- SWT: 2.5 ms
- Marker 2 [T1]: 361.105769231 MHz
- Offset: 3.5 dB
- Marker 1 [T1]: 29.28 dBm, 699.983974359 MHz

Plot details:

- Y-axis: Power (dBm) from -60 to -30.
- X-axis: Frequency (MHz) from 30 to 97.
- Peak 1: 361.105769231 MHz, -34.79 dBm.
- Noise floor: -13 dBm (D1).

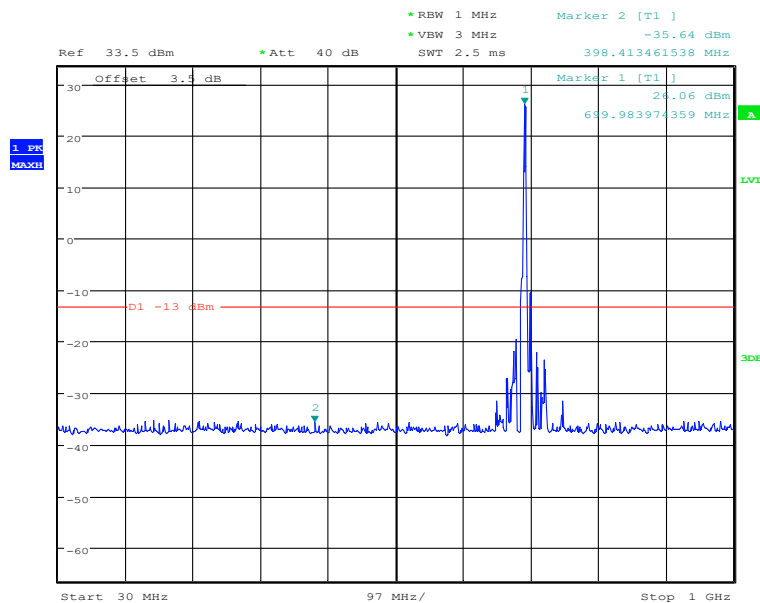
Low Channel-3MHz Bandwidth-30MHz to 1GHz



Low Channel-3MHz Bandwidth-1GHz to 10GHz

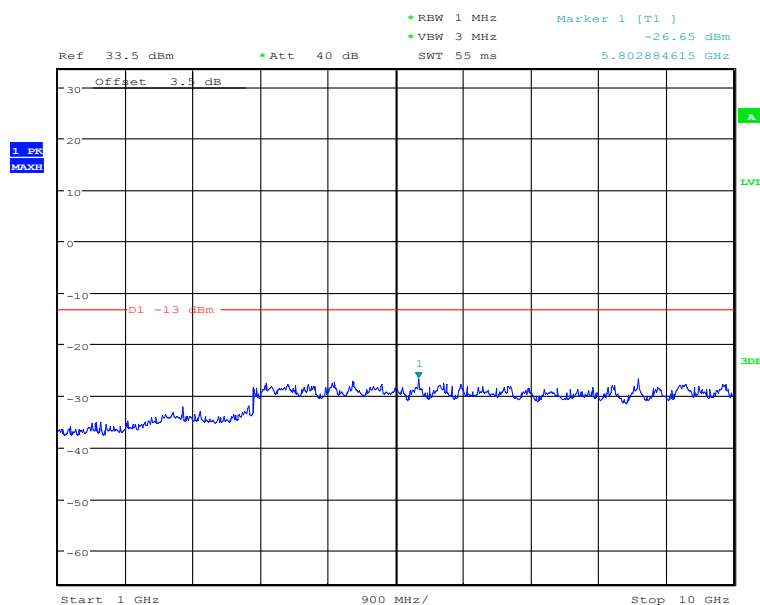
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 01:54:36

Low Channel-5MHz Bandwidth-30MHz to 1GHz



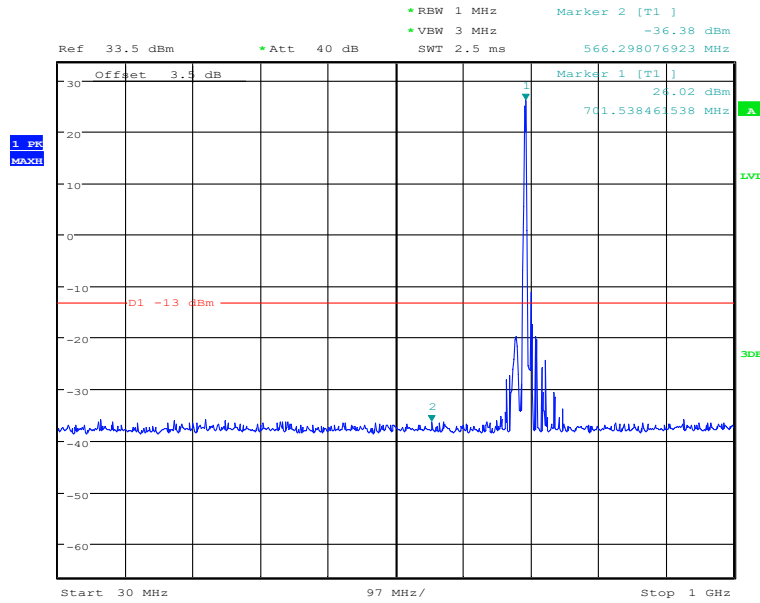
Date: 30.DEC.2020 01:55:08

Low Channel-5MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

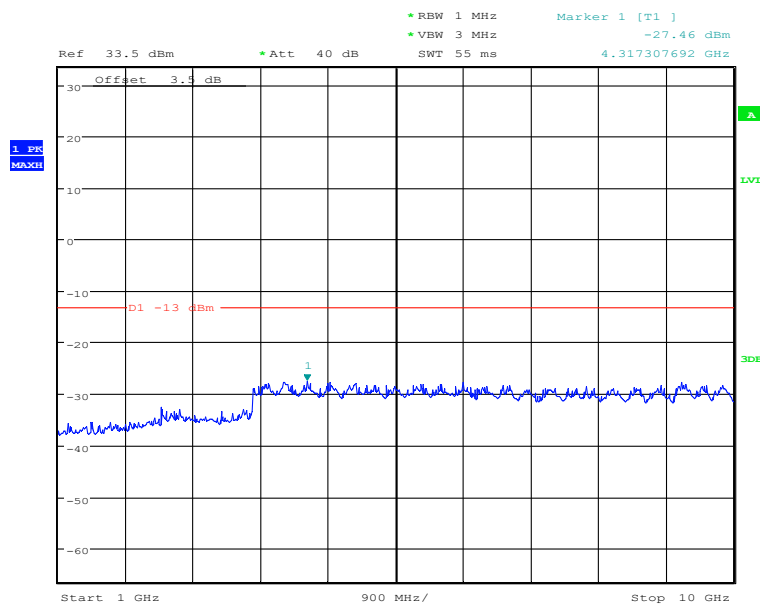
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 02:00:13

Low Channel-10MHz Bandwidth-30MHz to 1GHz



Date: 30.DEC.2020 01:59:32

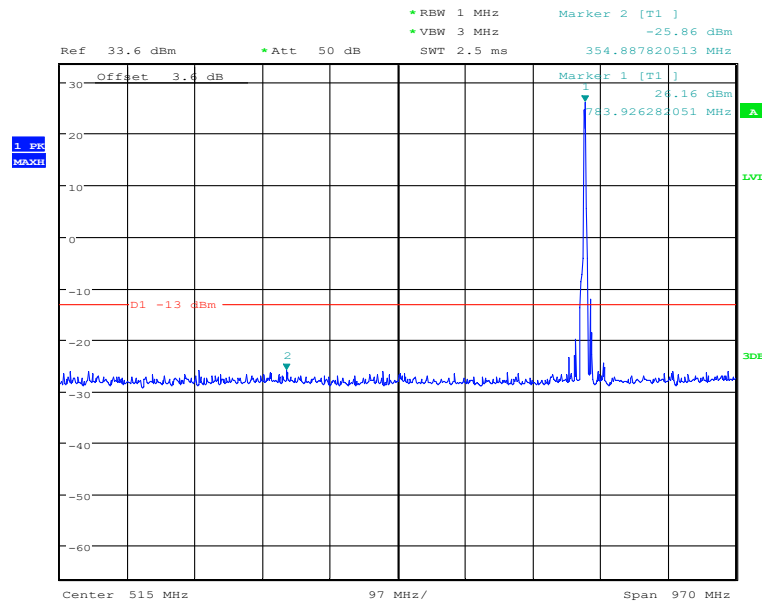
Low Channel-10MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

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

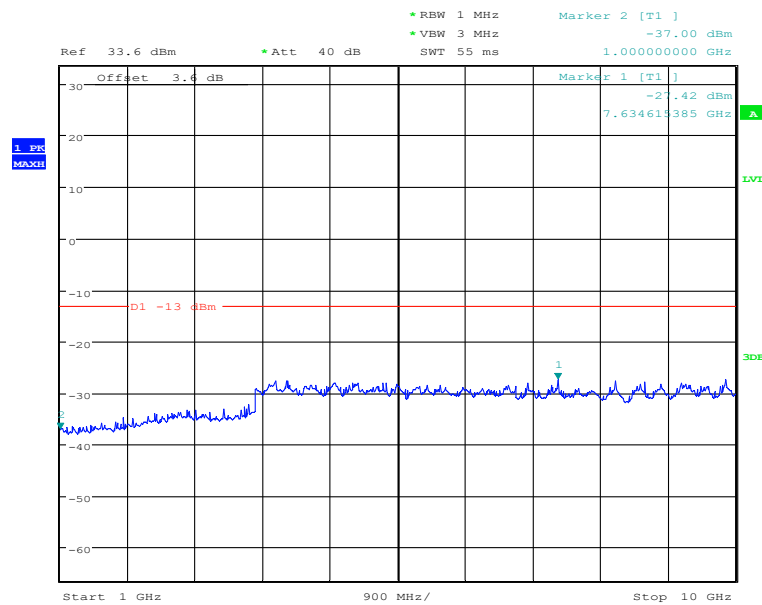
Report No.: I20W00023-WWAN_Rev1

5.3.11 CAT-M B13 Conducted Spurious Emission Results



Date: 2.JAN.2021 03:36:38

High Channel-5MHz Bandwidth-30MHz to 1GHz



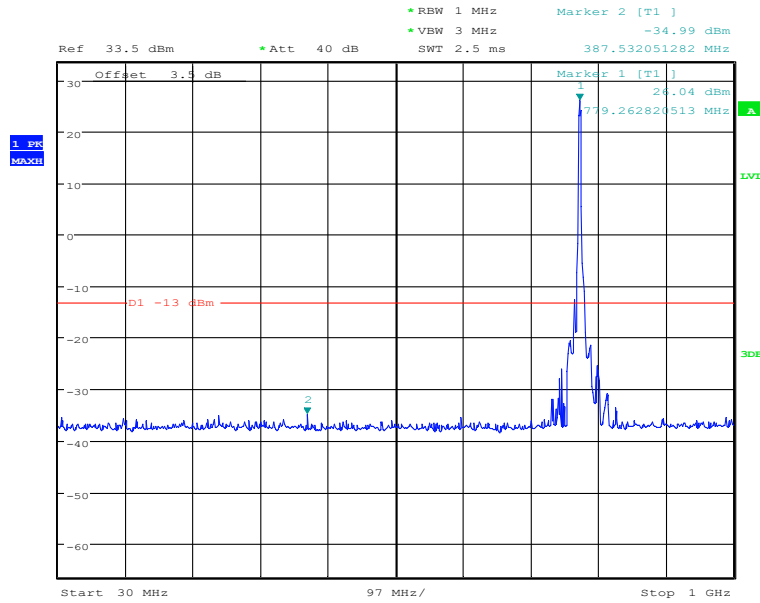
Date: 2.JAN.2021 03:37:11

High Channel-5MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

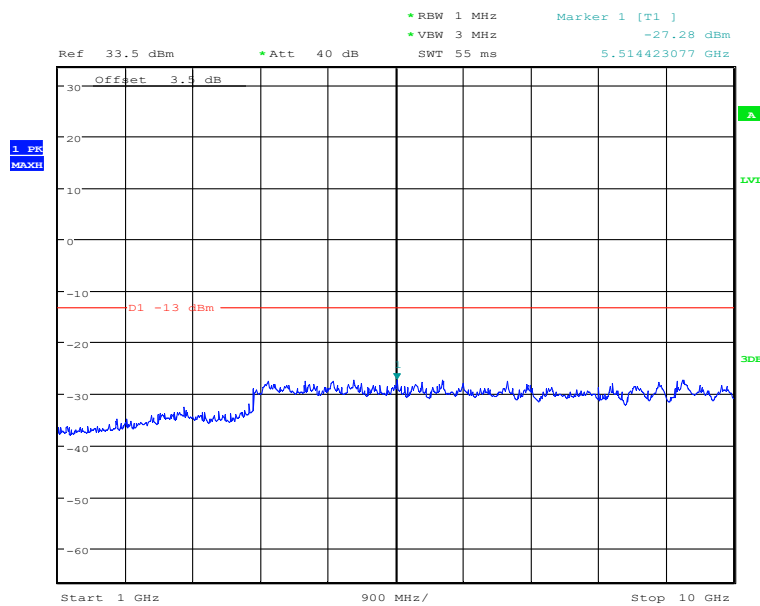
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 02:33:35

High Channel-10MHz Bandwidth-30MHz to 1GHz



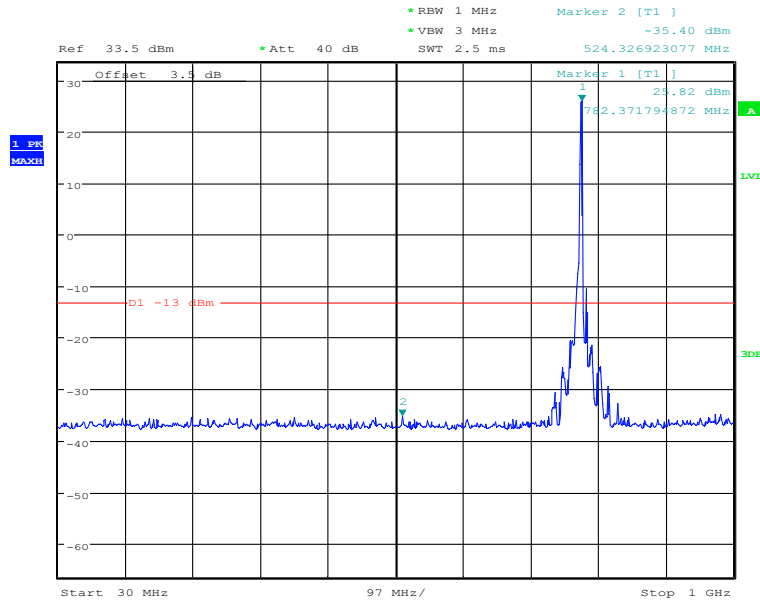
Date: 30.DEC.2020 02:33:54

High Channel-10MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

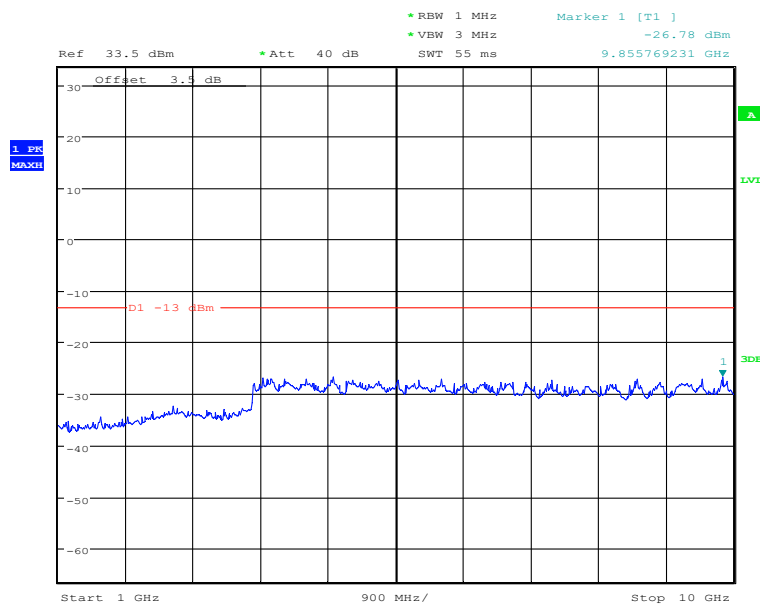
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 02:07:48

Middle Channel-5MHz Bandwidth-30MHz to 1GHz



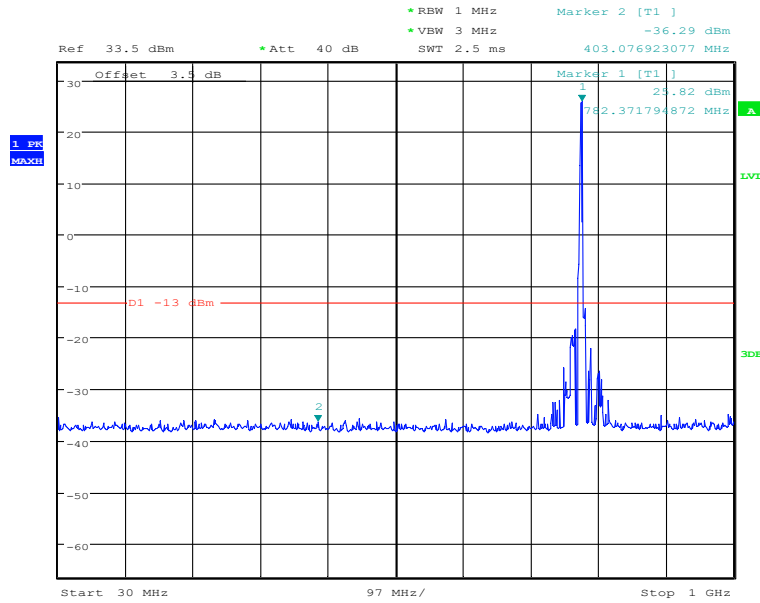
Date: 30.DEC.2020 02:10:25

Middle Channel-5MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

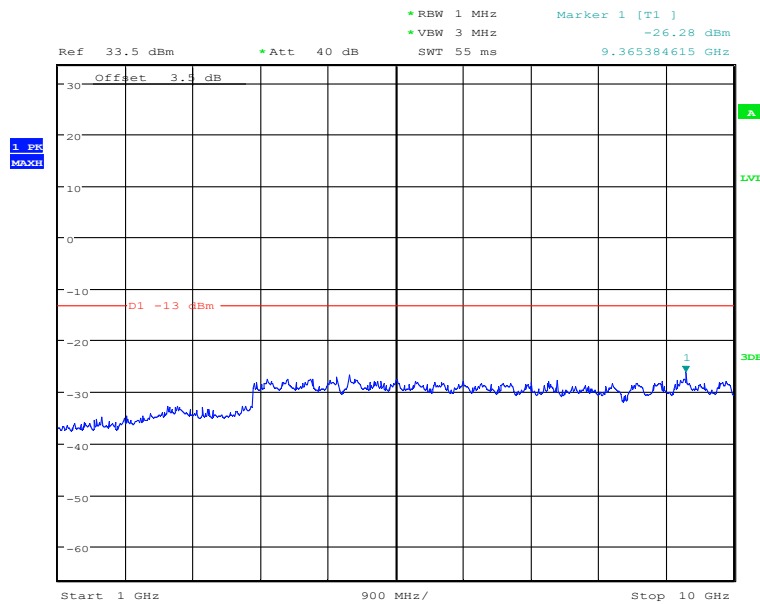
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 02:11:39

Middle Channel-10MHz Bandwidth-30MHz to 1GHz



Date: 30.DEC.2020 02:12:14

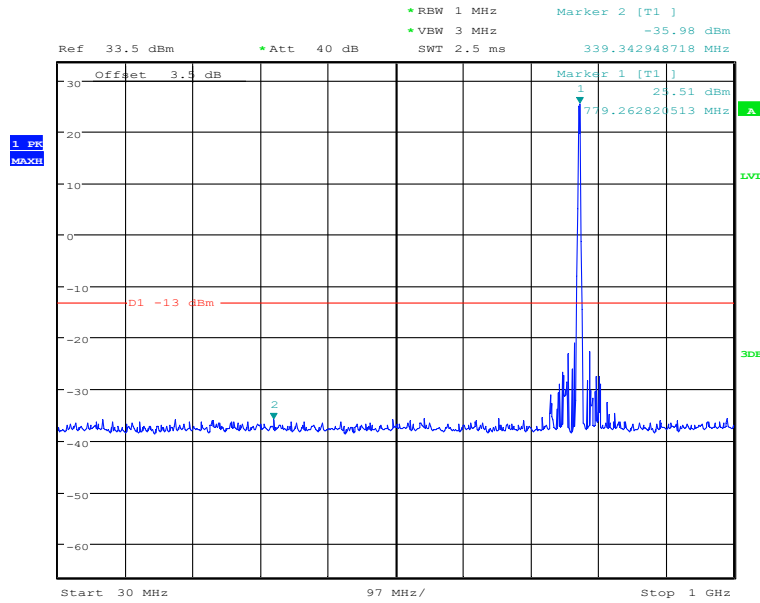
Middle Channel-10MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

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

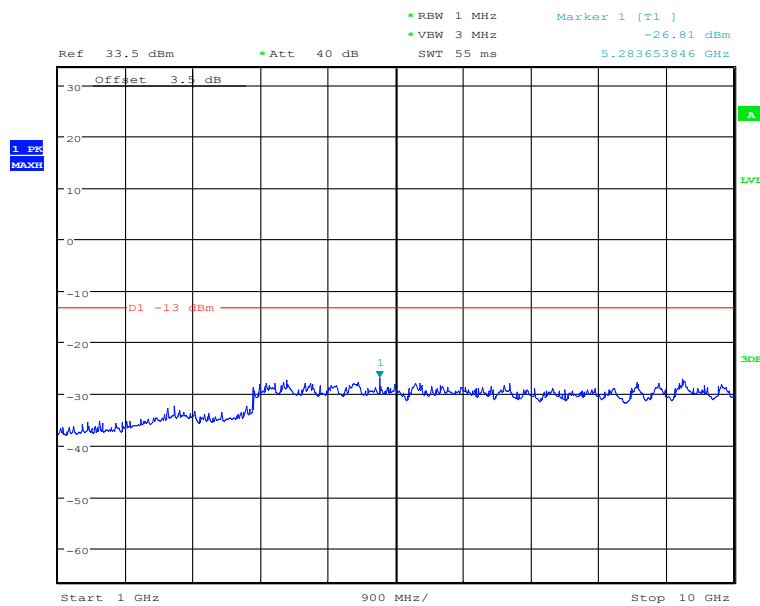


Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 02:04:58

Low Channel-5MHz Bandwidth-30MHz to 1GHz



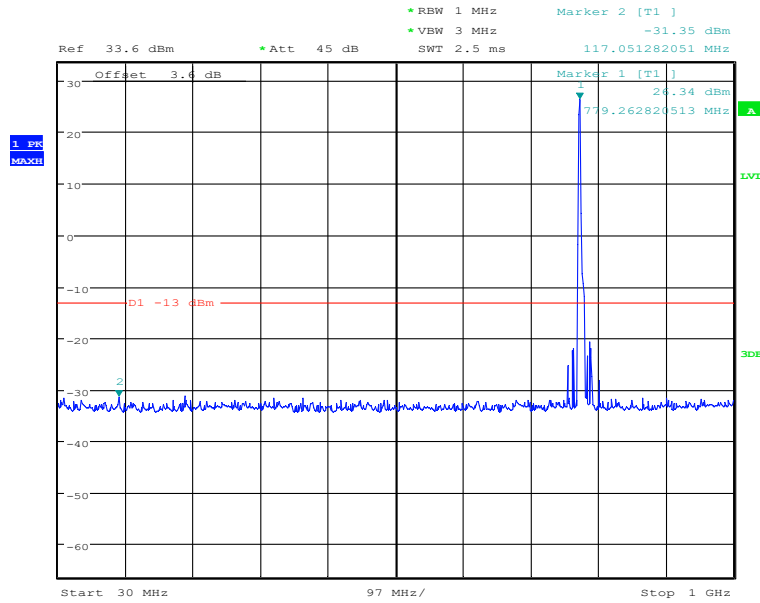
Date: 30.DEC.2020 02:05:14

Low Channel-5MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

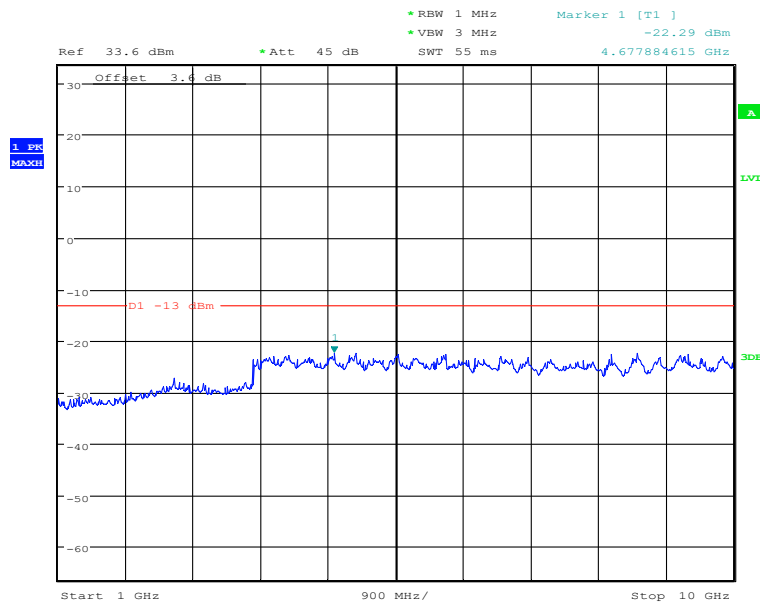
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 2.JAN.2021 03:28:10

Low Channel-10MHz Bandwidth-30MHz to 1GHz



Date: 2.JAN.2021 03:27:49

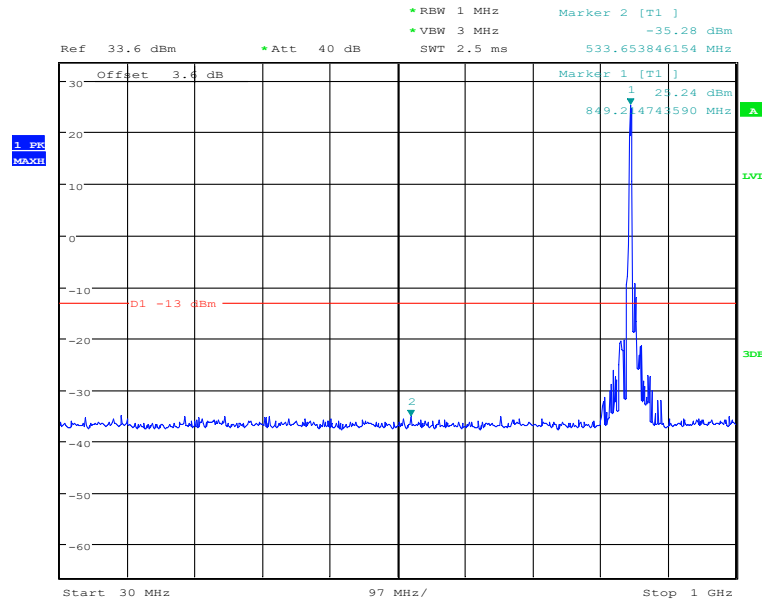
Low Channel-10MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

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

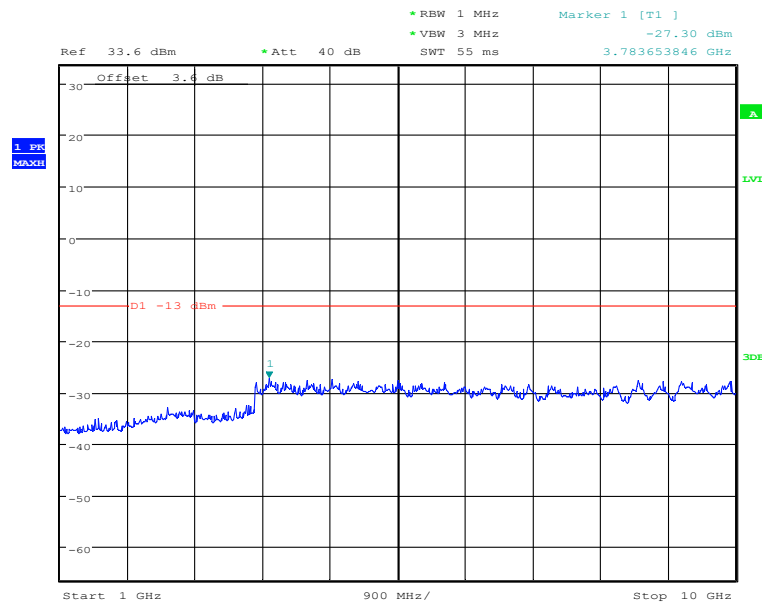
Report No.: I20W00023-WWAN_Rev1

5.3.12 CAT-M B26 Conducted Spurious Emission Results (814MHz-824MHz)



Date: 30.DEC.2020 02:42:20

High Channel-1.4MHz Bandwidth-30MHz to 1GHz



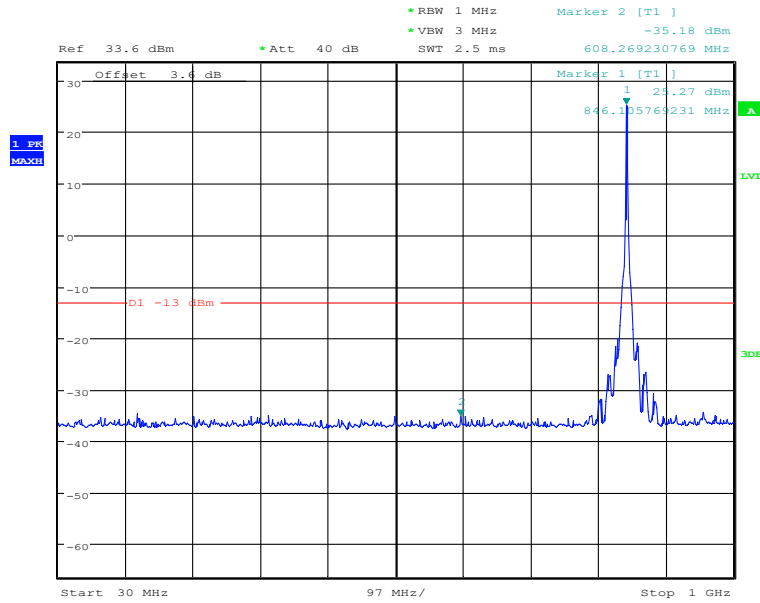
Date: 30.DEC.2020 02:42:41

High Channel-1.4MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

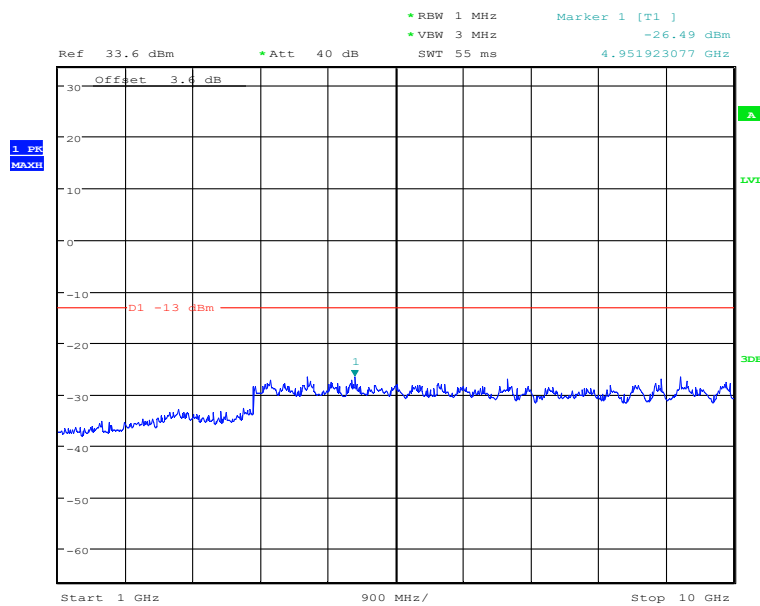
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 02:49:05

High Channel-3MHz Bandwidth-30MHz to 1GHz



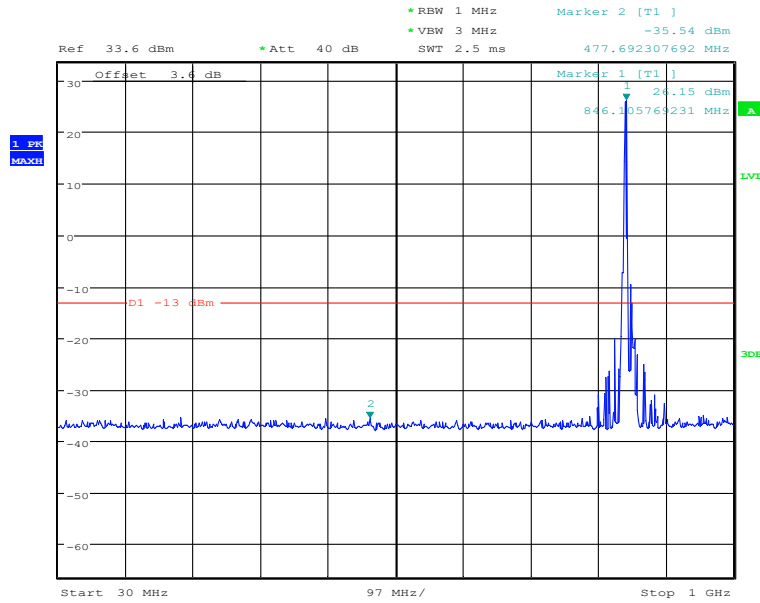
Date: 30.DEC.2020 02:49:22

High Channel-3MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

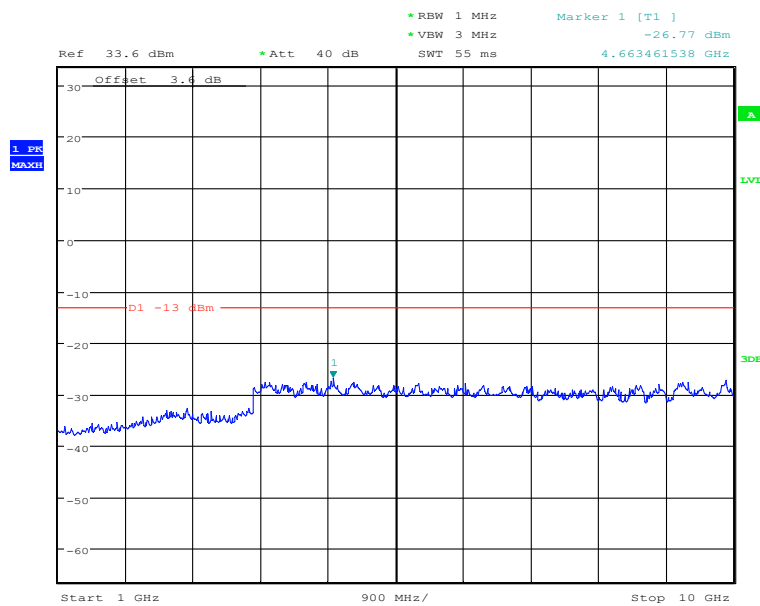
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 02:54:25

High Channel-5MHz Bandwidth-30MHz to 1GHz



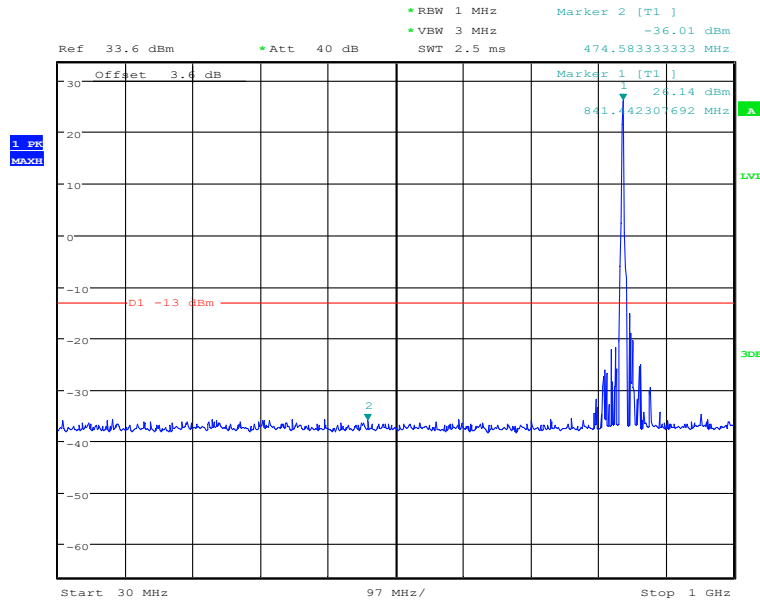
Date: 30.DEC.2020 02:54:45

High Channel-5MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

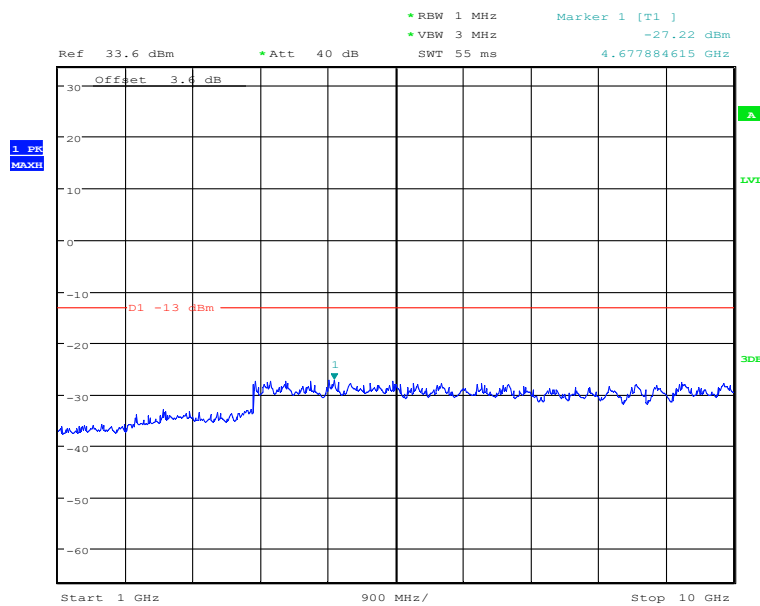
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:02:01

High Channel-10MHz Bandwidth-30MHz to 1GHz



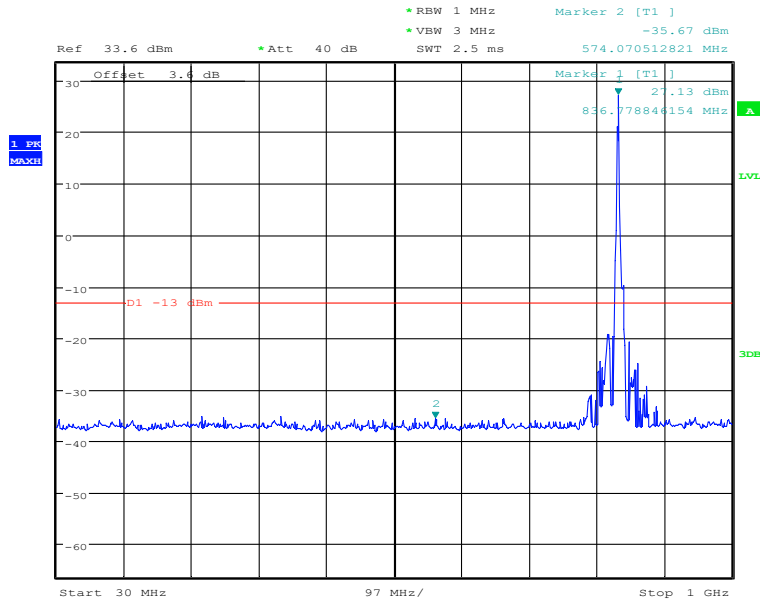
Date: 30.DEC.2020 03:02:21

High Channel-10MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

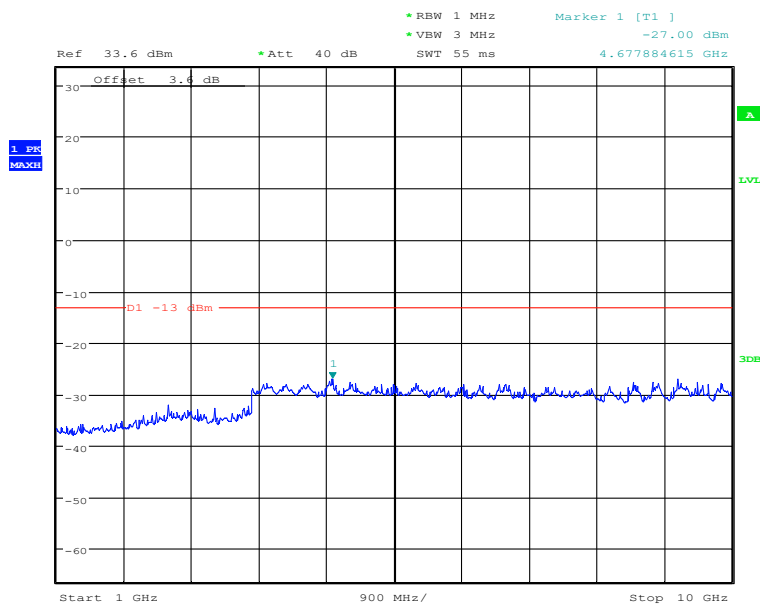
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:07:50

High Channel-15MHz Bandwidth-30MHz to 1GHz



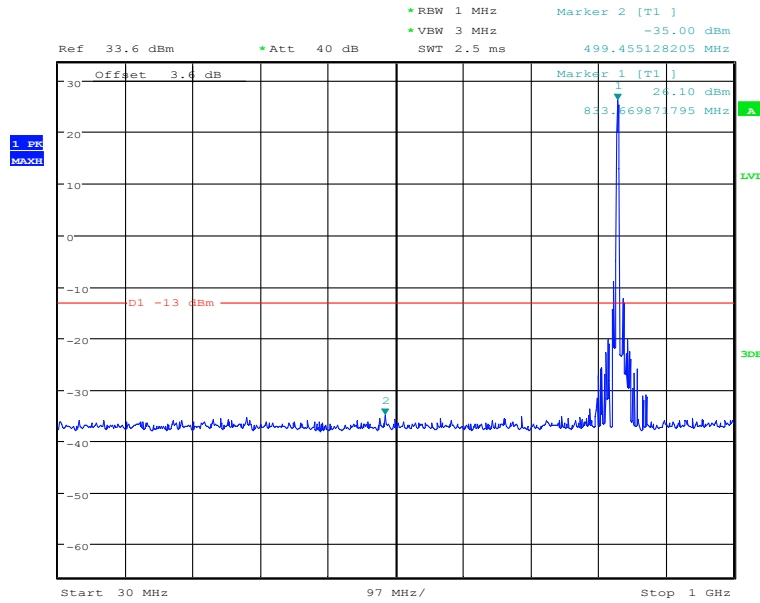
Date: 30.DEC.2020 03:08:06

High Channel-15MHz Bandwidth 1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

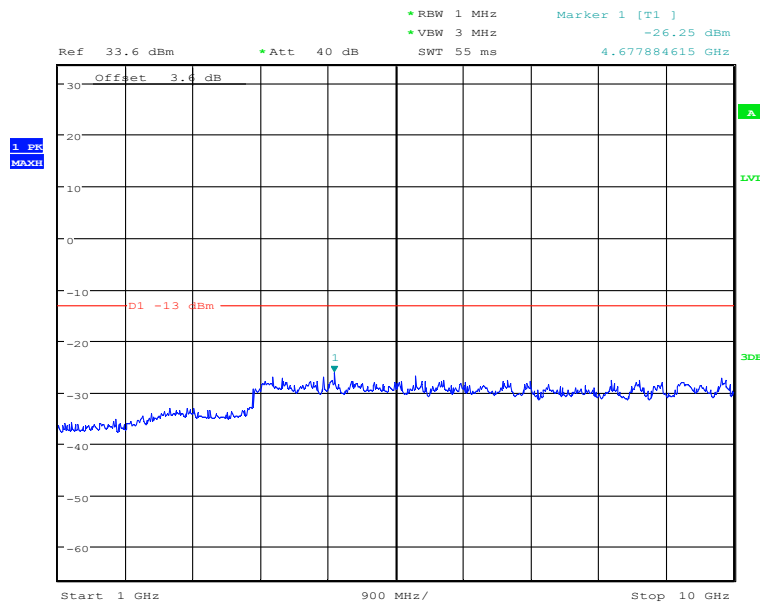
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:42:47

Middle Channel-1.4MHz Bandwidth-30MHz to 1GHz



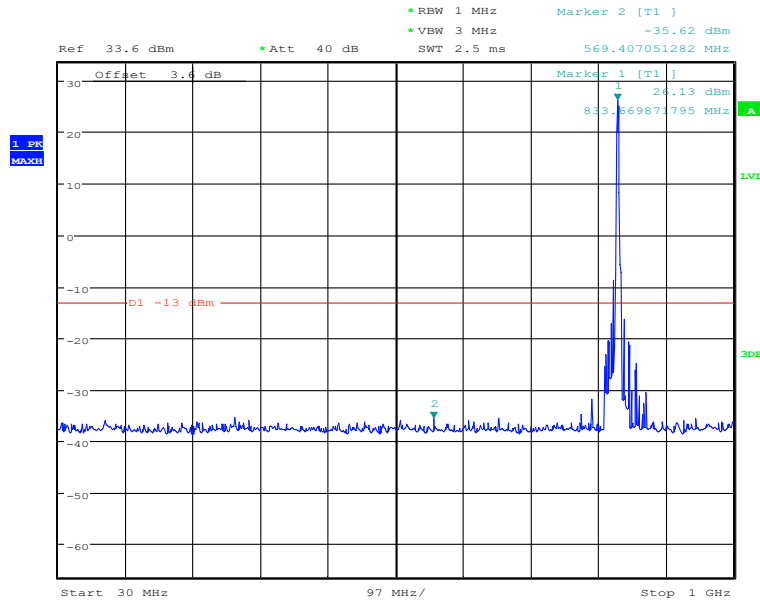
Date: 30.DEC.2020 03:45:29

Middle Channel-1.4MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

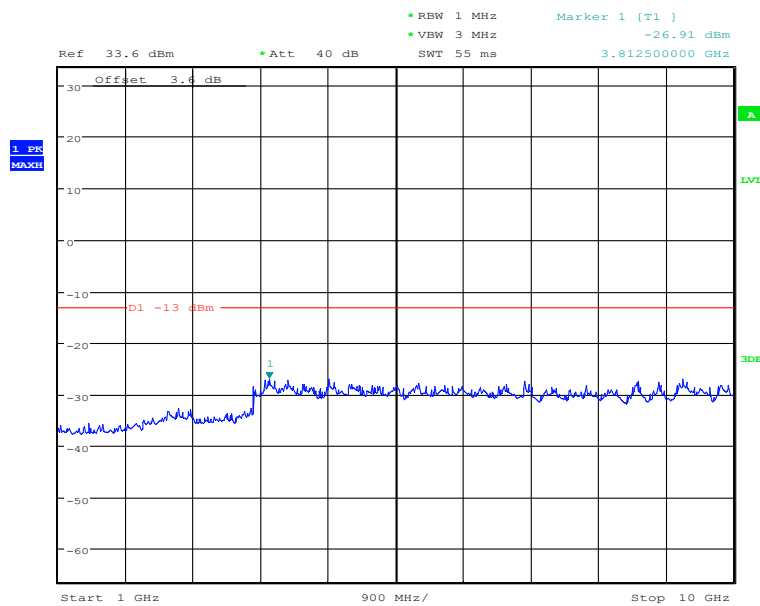
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:43:10

Middle Channel-3MHz Bandwidth-30MHz to 1GHz



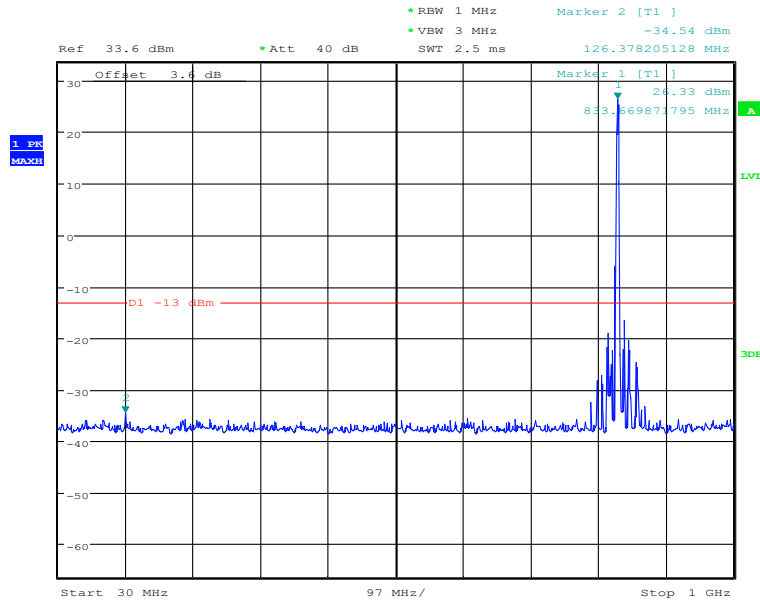
Date: 30.DEC.2020 03:45:13

Middle Channel-3MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

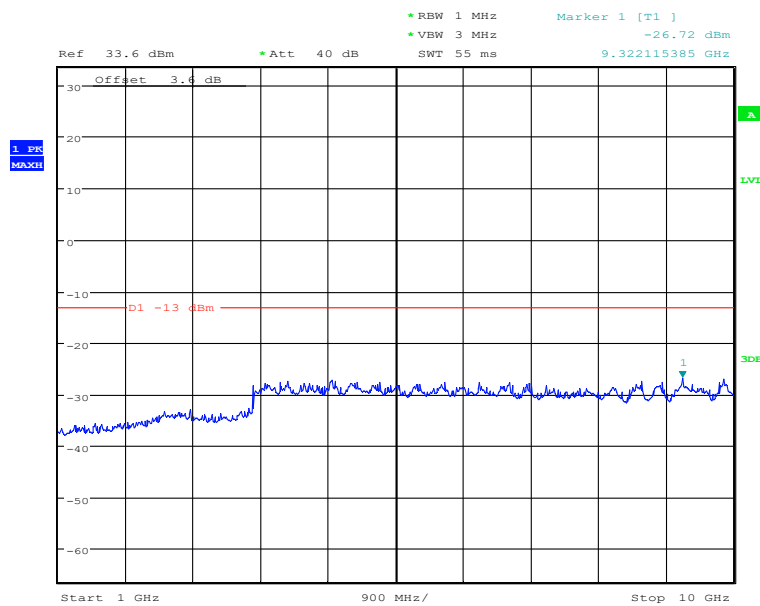
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:43:31

Middle Channel-5MHz Bandwidth-30MHz to 1GHz



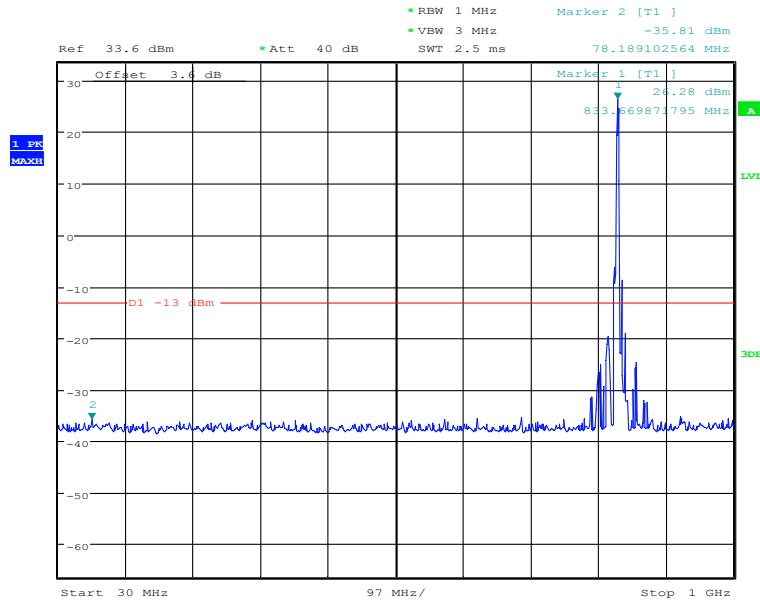
Date: 30.DEC.2020 03:45:01

Middle Channel-5MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

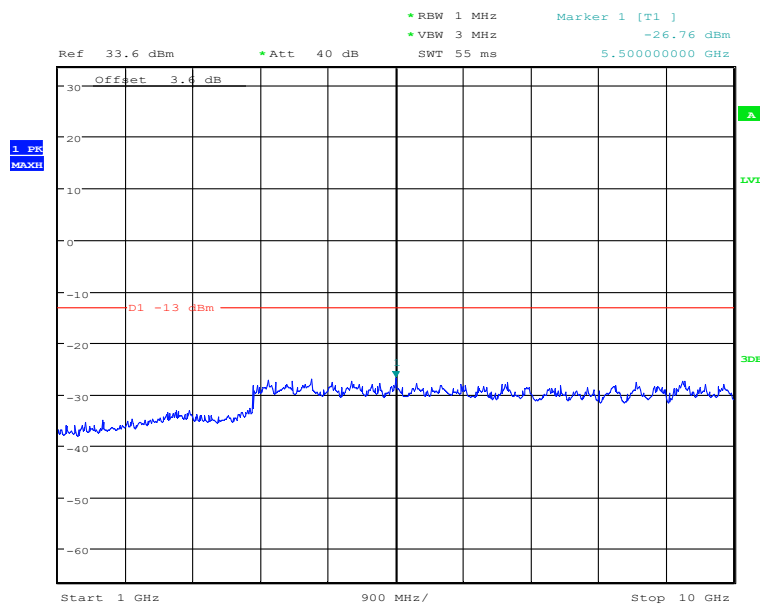
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:43:55

Middle Channel-10MHz Bandwidth-30MHz to 1GHz



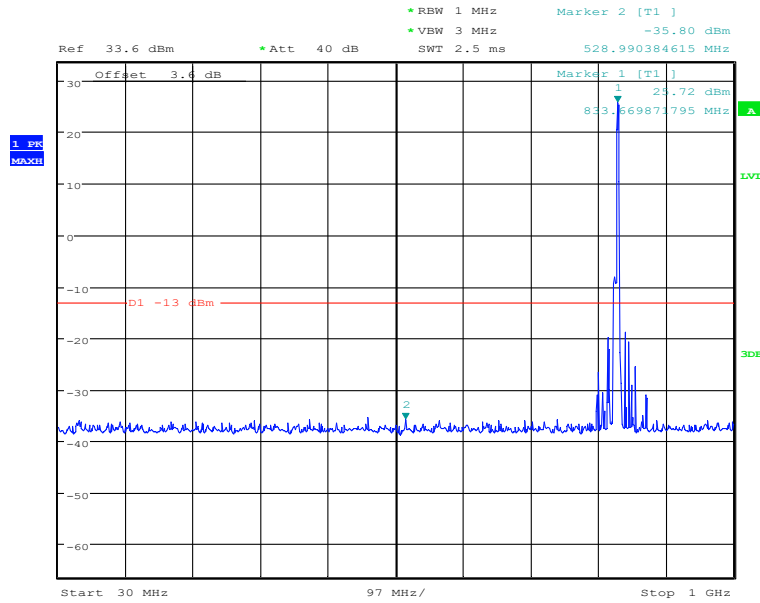
Date: 30.DEC.2020 03:44:44

Middle Channel-10MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

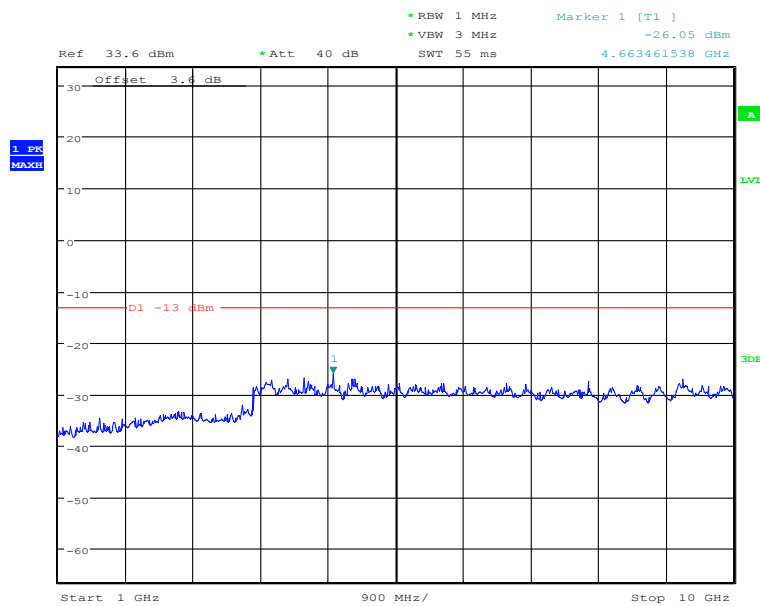
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:44:13

Middle Channel-15MHz Bandwidth-30MHz to 1GHz



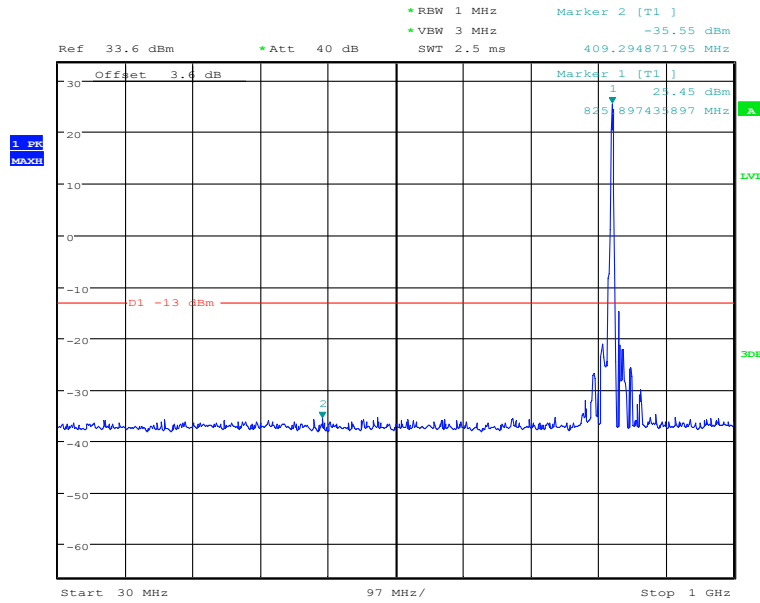
Date: 30.DEC.2020 03:44:32

Middle Channel-15MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

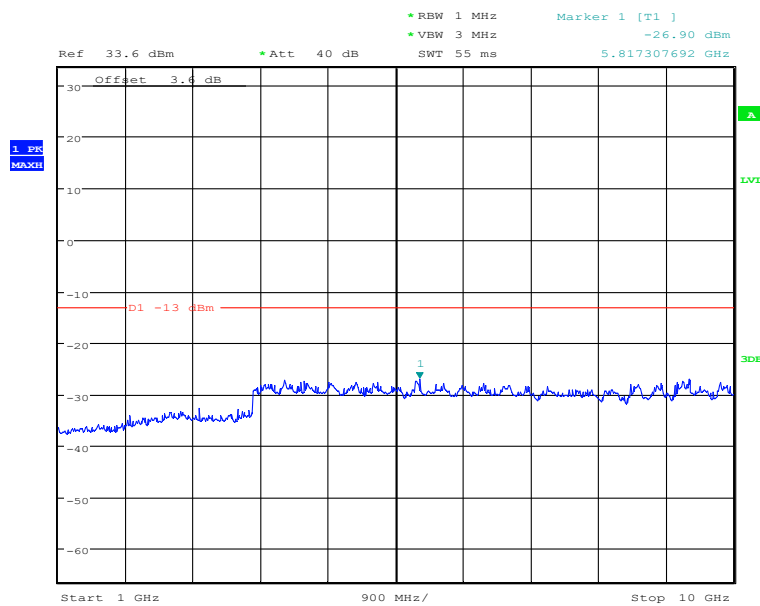
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 02:38:48

Low Channel-1.4MHz Bandwidth-30MHz to 1GHz



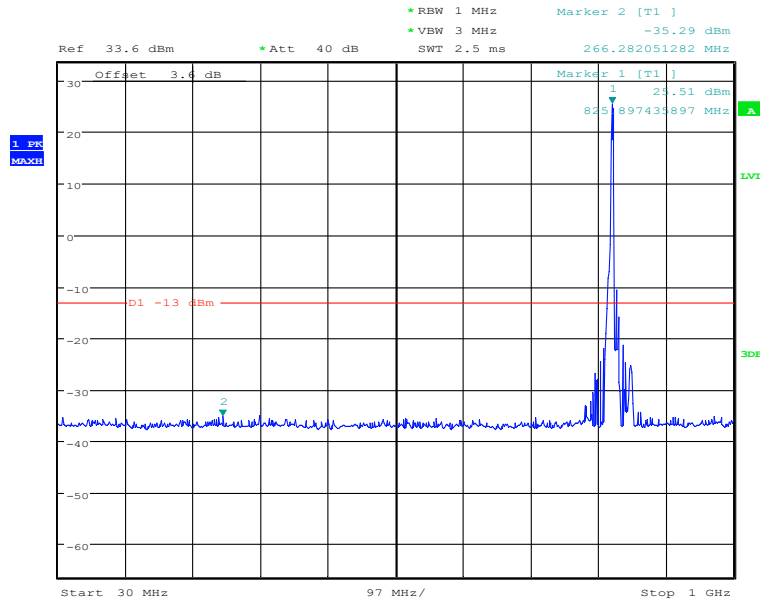
Date: 30.DEC.2020 02:39:12

Low Channel-1.4MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

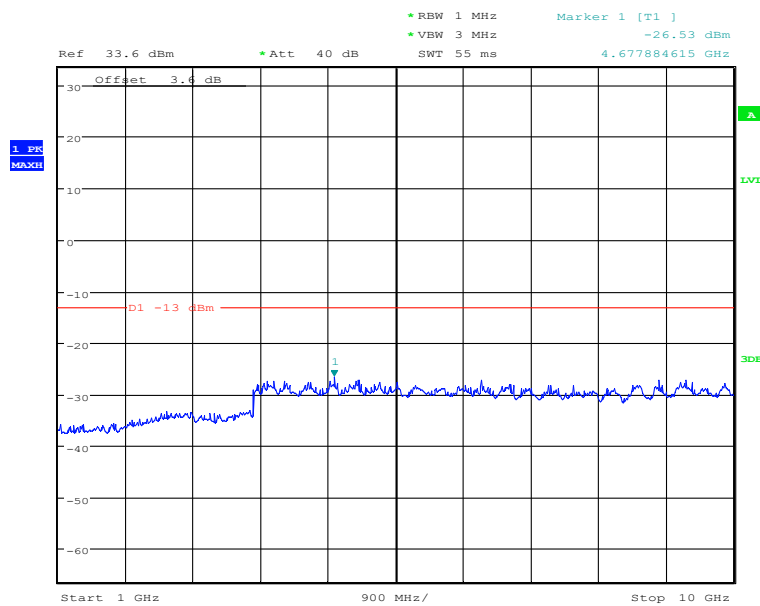
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 02:45:19

Low Channel-3MHz Bandwidth-30MHz to 1GHz



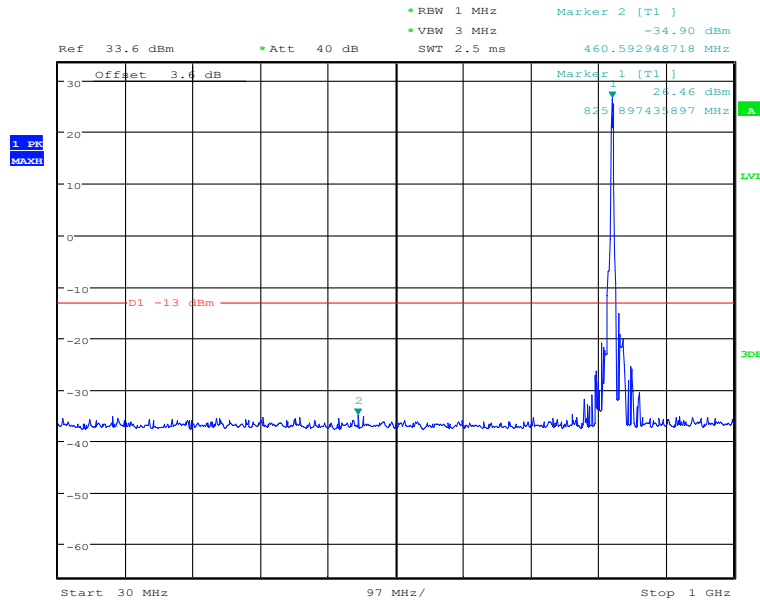
Date: 30.DEC.2020 02:45:41

Low Channel-3MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

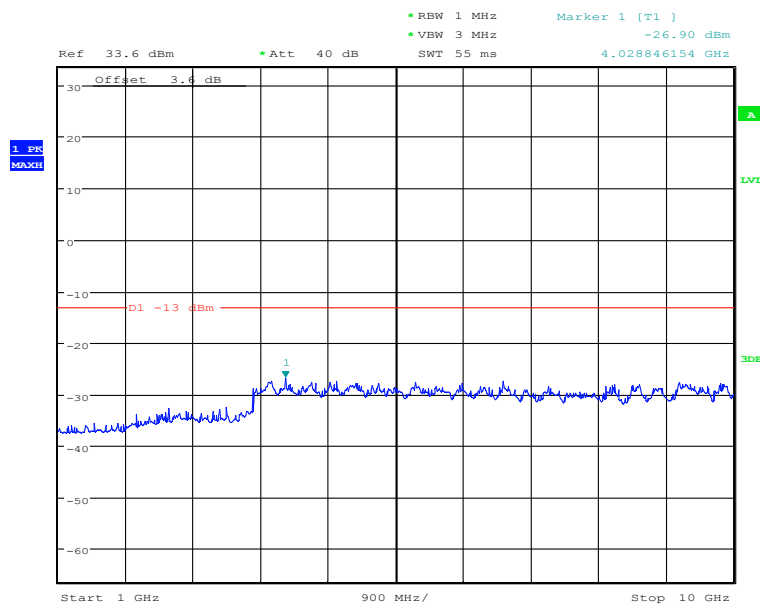
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 02:51:59

Low Channel-5MHz Bandwidth-30MHz to 1GHz



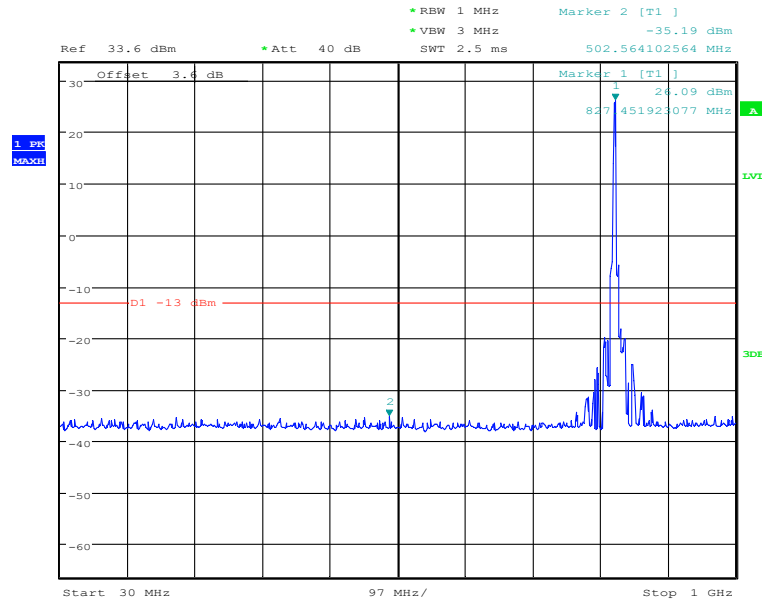
Date: 30.DEC.2020 02:52:15

Low Channel-5MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

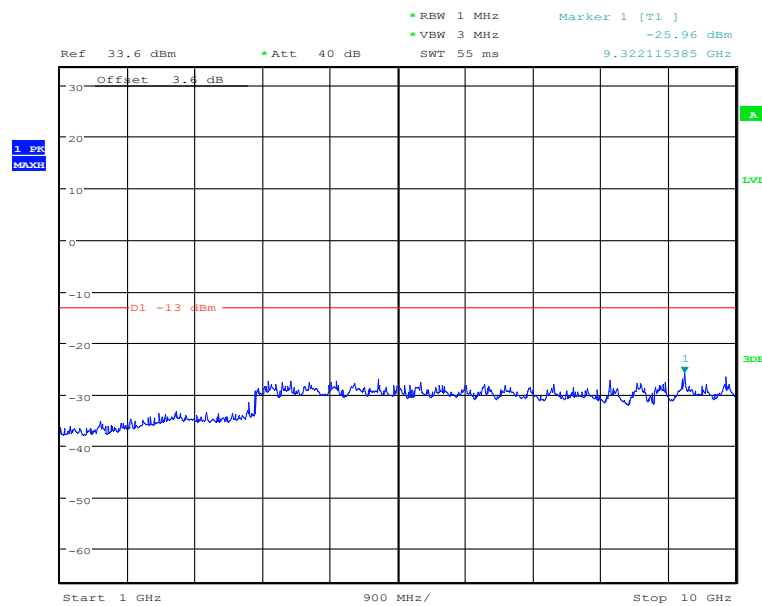
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 02:57:30

Low Channel-10MHz Bandwidth-30MHz to 1GHz



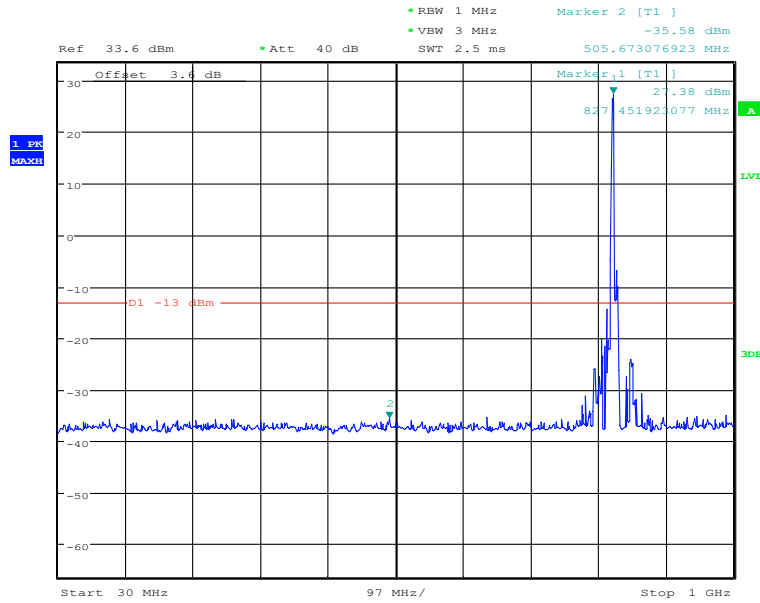
Date: 30.DEC.2020 02:57:48

Low Channel-10MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

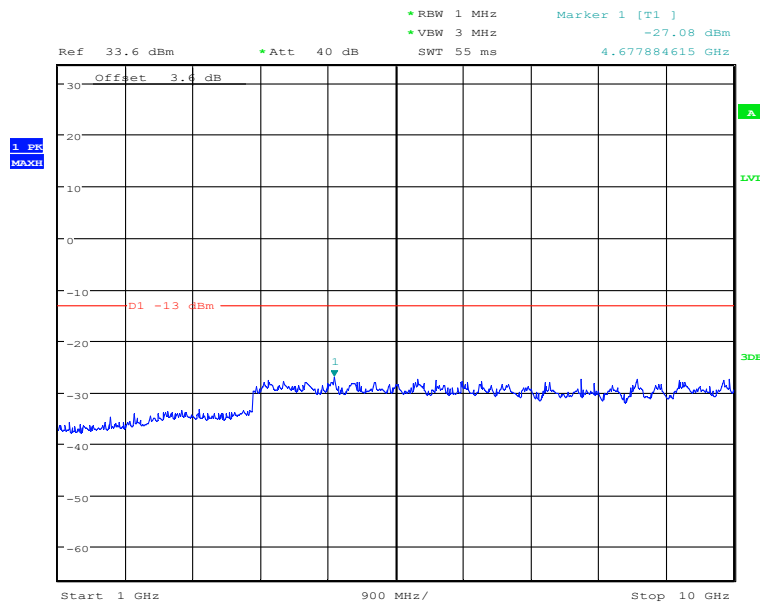
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:05:06

Low Channel-15MHz Bandwidth-30MHz to 1GHz



Date: 30.DEC.2020 03:05:22

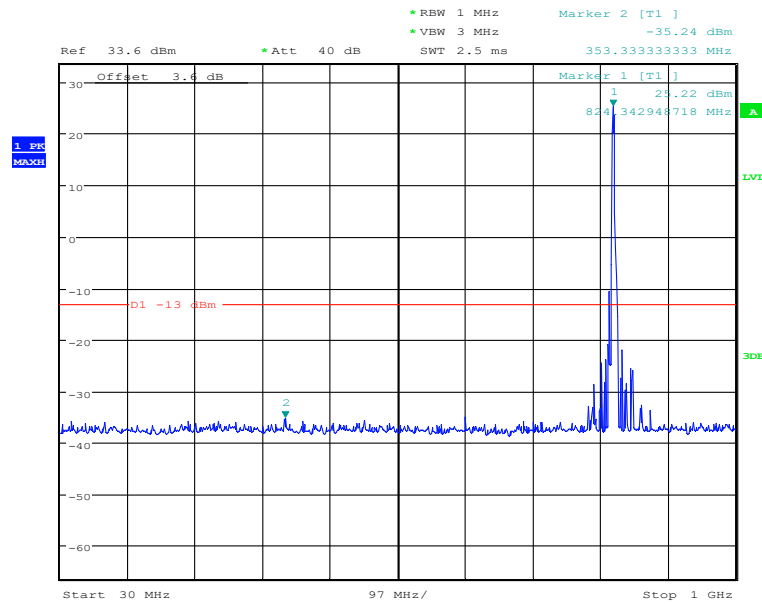
Low Channel-15MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

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

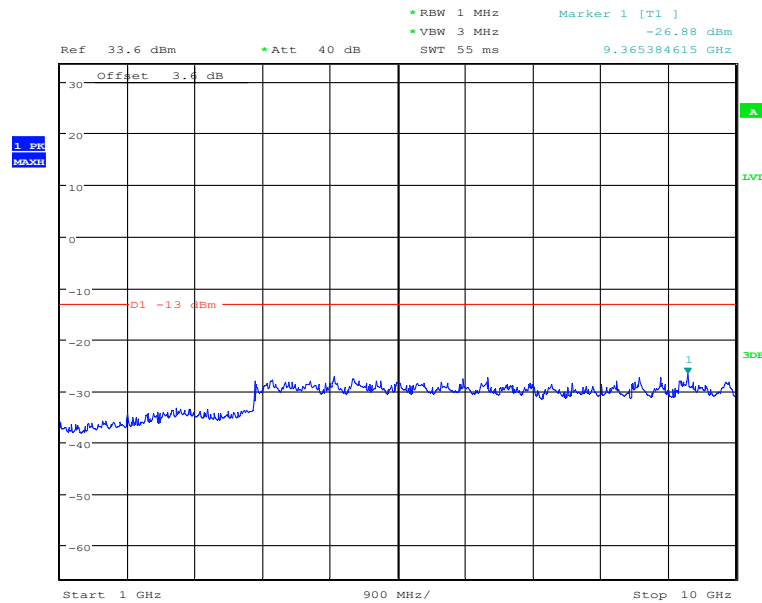
Report No.: I20W00023-WWAN_Rev1

(824MHz-849MHz)



Date: 30.DEC.2020 03:15:56

High Channel-1.4MHz Bandwidth-30MHz to 1GHz



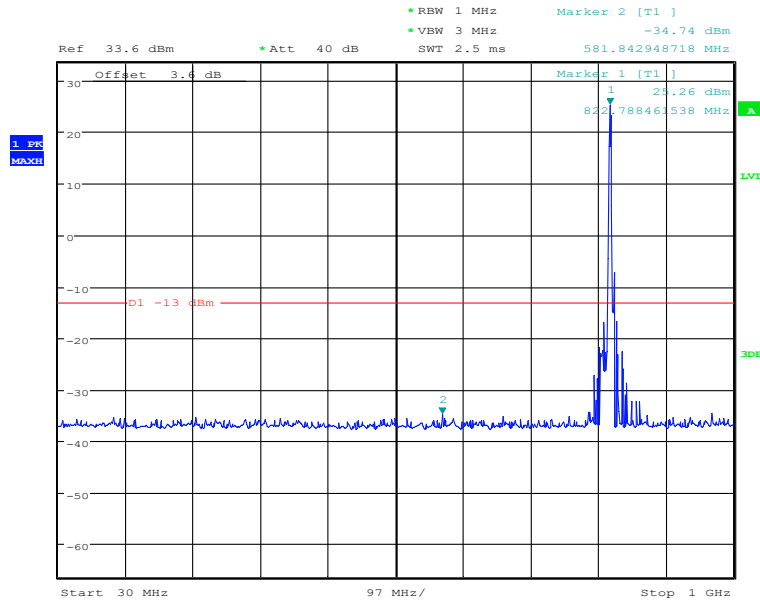
Date: 30.DEC.2020 03:16:12

High Channel-1.4MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

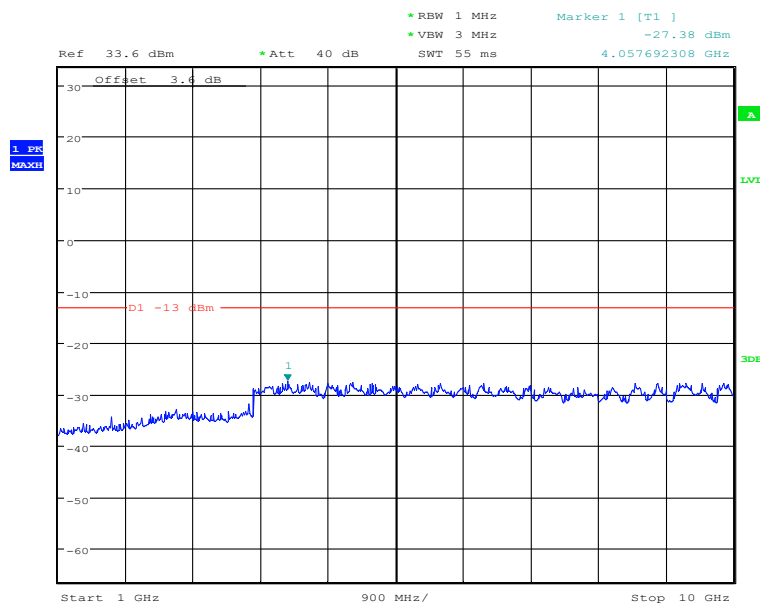
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:21:59

High Channel-3MHz Bandwidth-30MHz to 1GHz



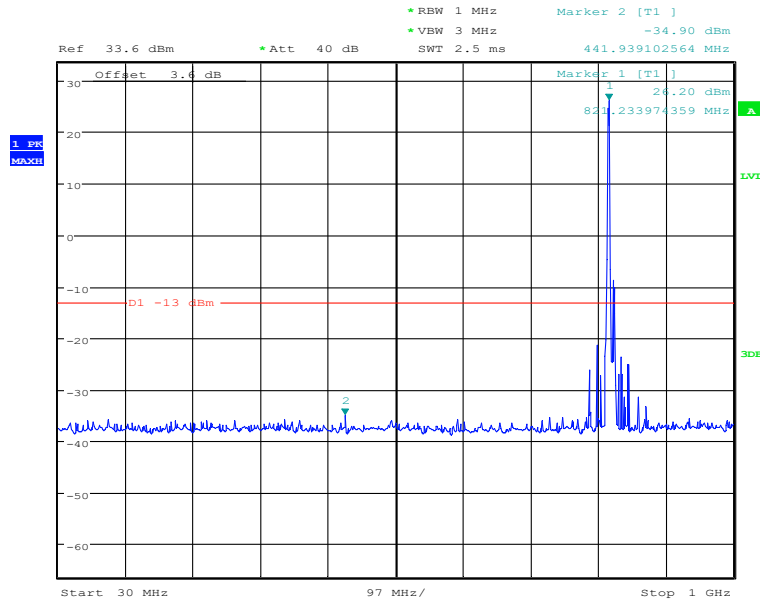
Date: 30.DEC.2020 03:22:15

High Channel-3MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

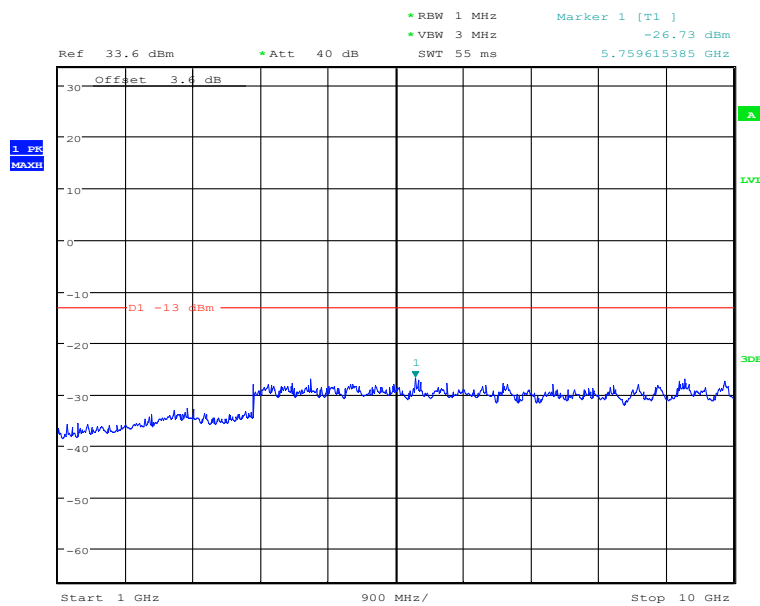
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:30:13

High Channel-5MHz Bandwidth-30MHz to 1GHz



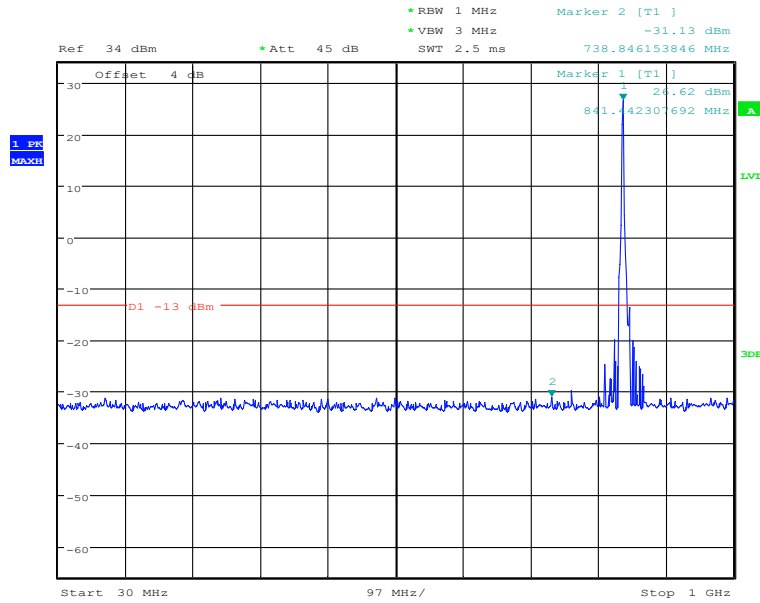
Date: 30.DEC.2020 03:30:29

High Channel-5MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

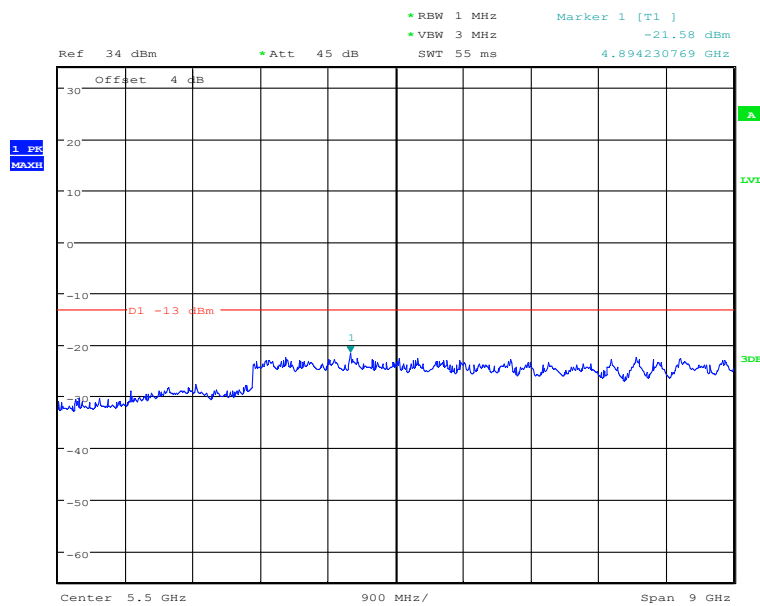
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 2.JAN.2021 03:17:09

High Channel-10MHz Bandwidth-30MHz to 1GHz



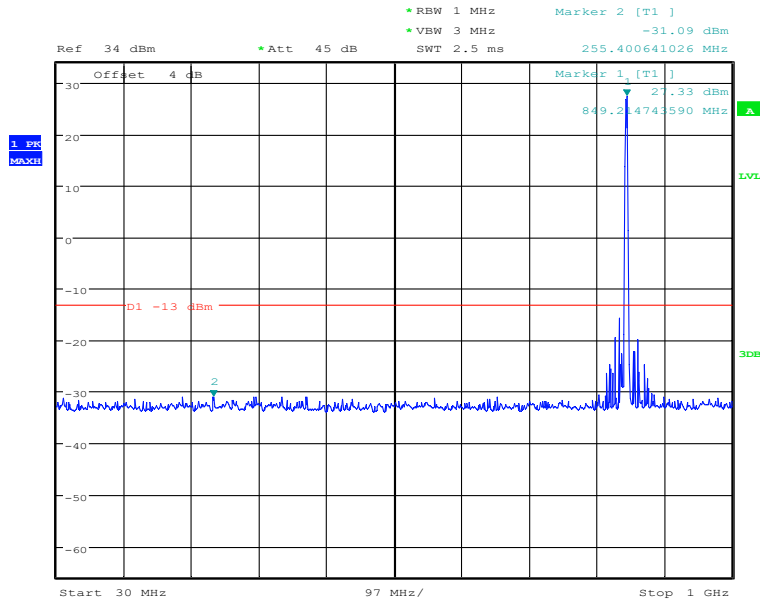
Date: 2.JAN.2021 03:16:38

High Channel-10MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

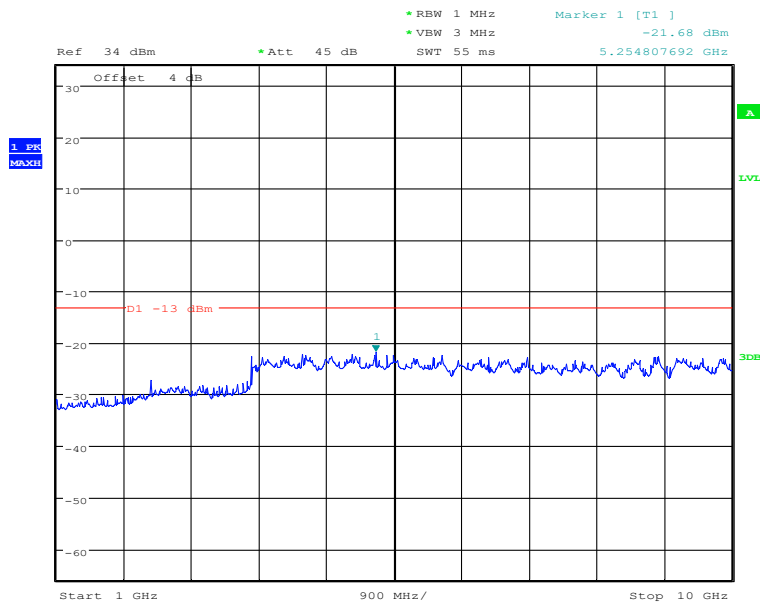
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 2.JAN.2021 03:06:02

High Channel-15MHz Bandwidth-30MHz to 1GHz



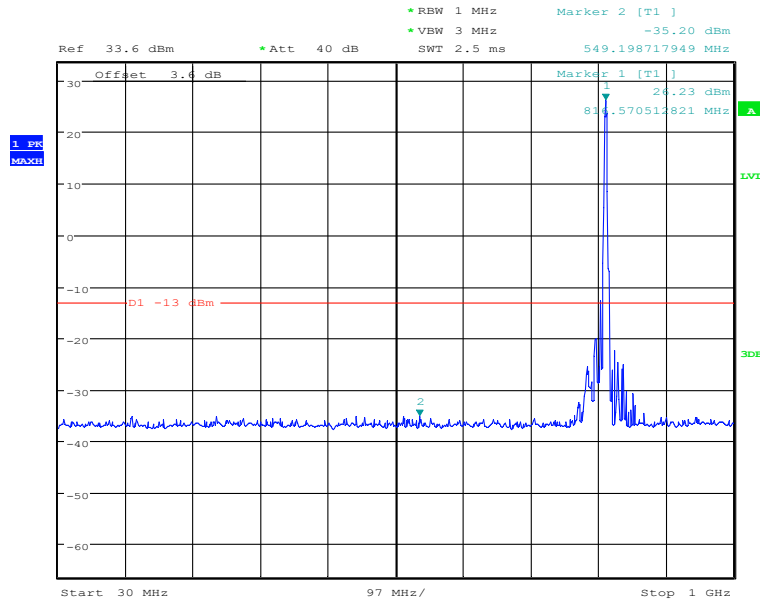
Date: 2.JAN.2021 03:05:37

High Channel-15MHz Bandwidth 1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

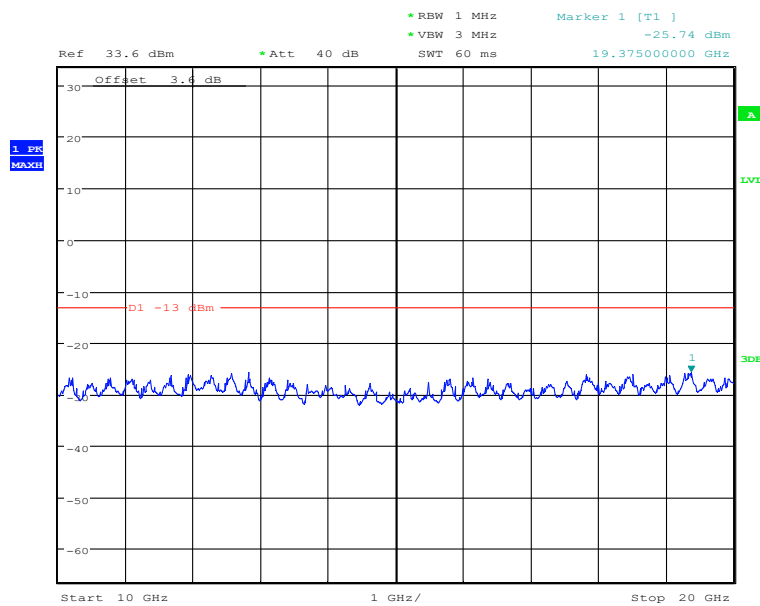
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:37:09

Middle Channel-1.4MHz Bandwidth-30MHz to 1GHz



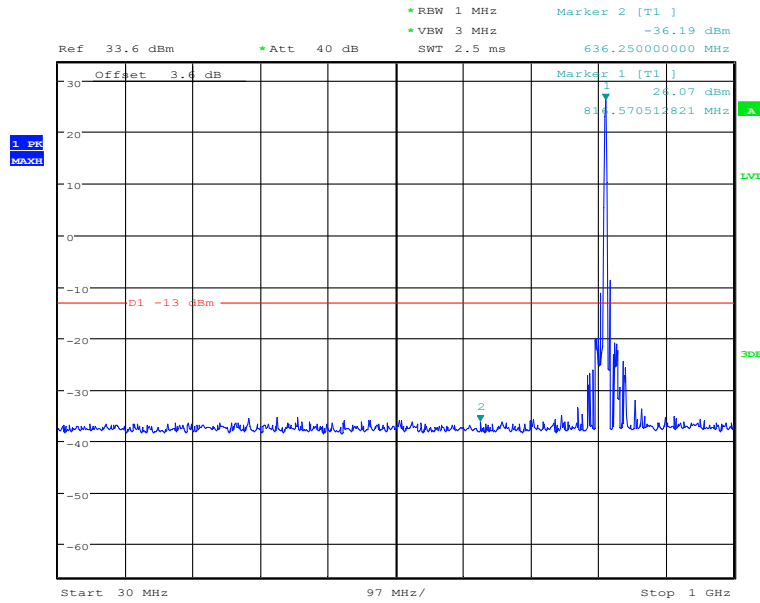
Date: 30.DEC.2020 03:40:49

Middle Channel-1.4MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

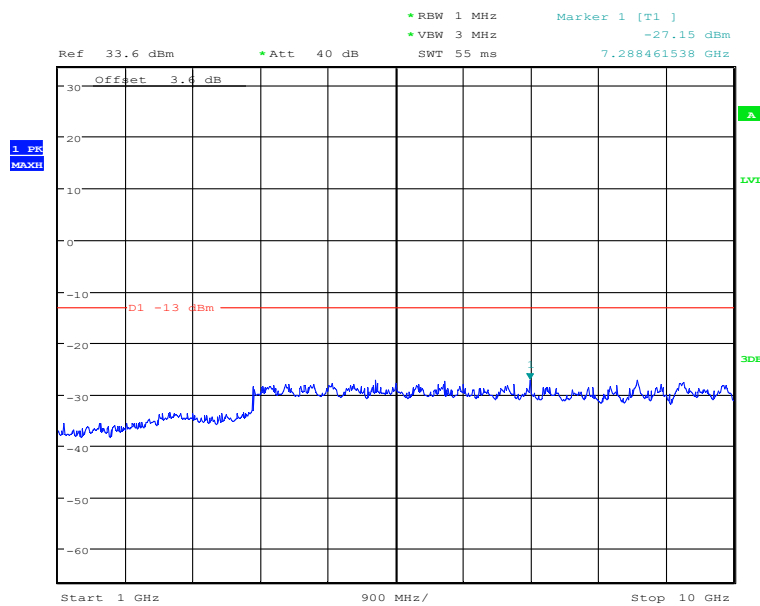
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:37:36

Middle Channel-3MHz Bandwidth-30MHz to 1GHz



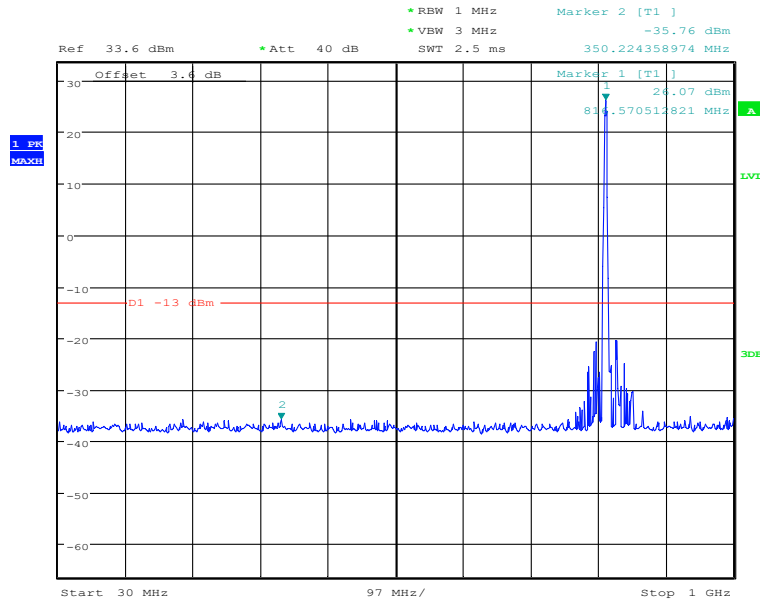
Date: 30.DEC.2020 03:39:29

Middle Channel-3MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

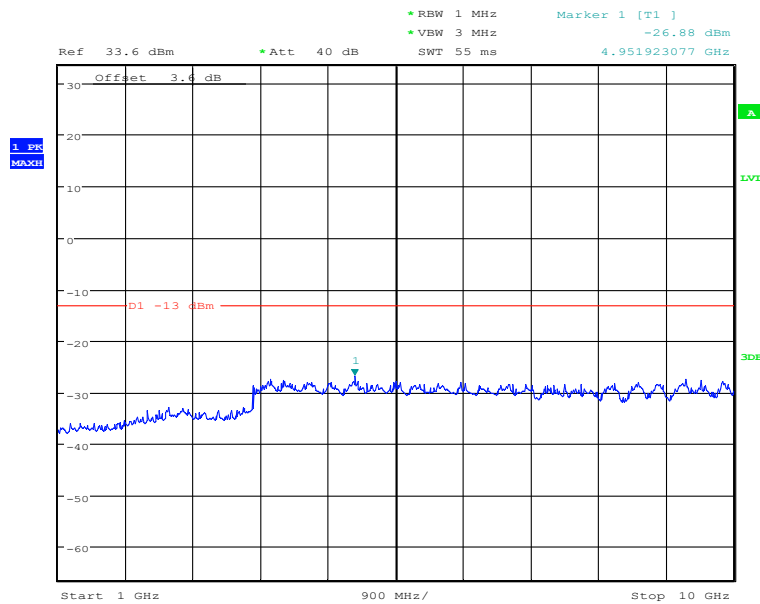
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:38:03

Middle Channel-5MHz Bandwidth-30MHz to 1GHz



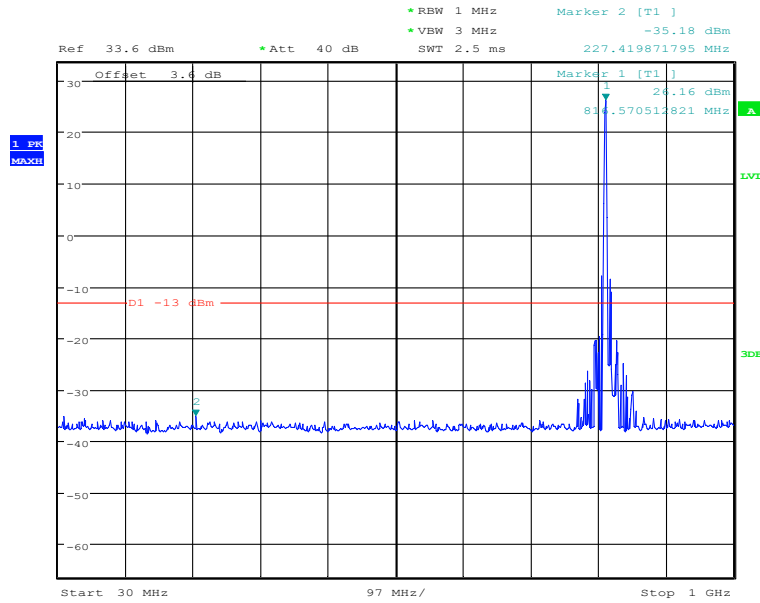
Date: 30.DEC.2020 03:39:17

Middle Channel-5MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

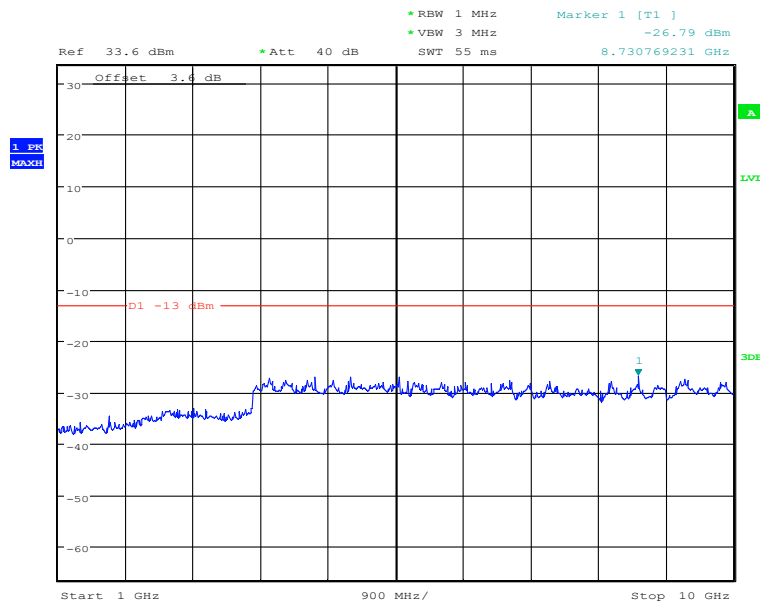
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:38:39

Middle Channel-10MHz Bandwidth-30MHz to 1GHz



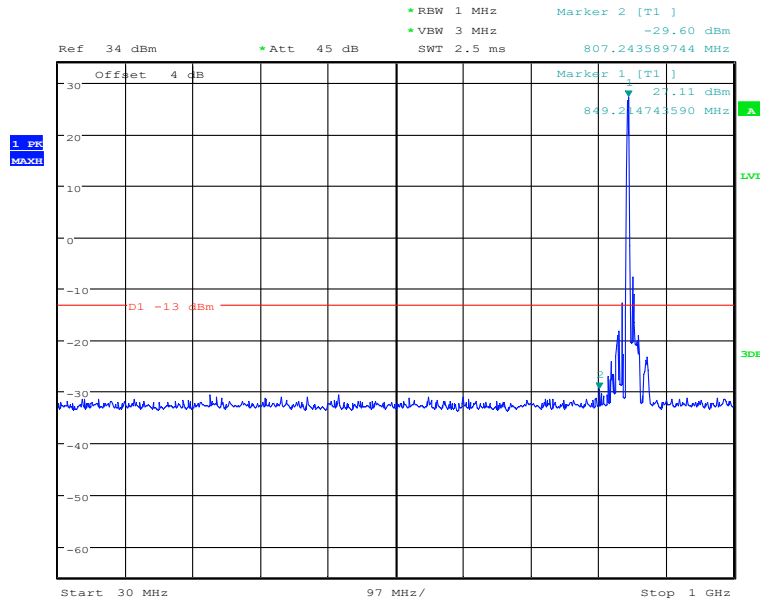
Date: 30.DEC.2020 03:39:03

Middle Channel-10MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

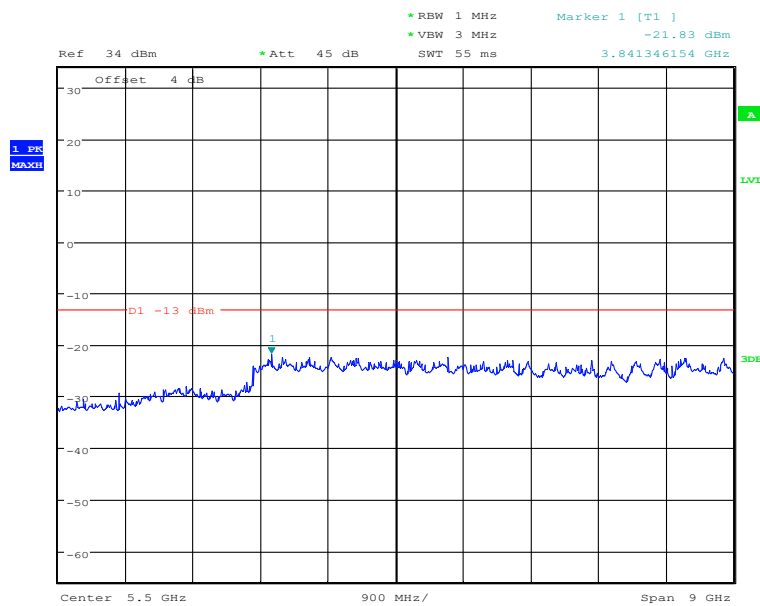
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 2.JAN.2021 03:11:55

Middle Channel-15MHz Bandwidth-30MHz to 1GHz



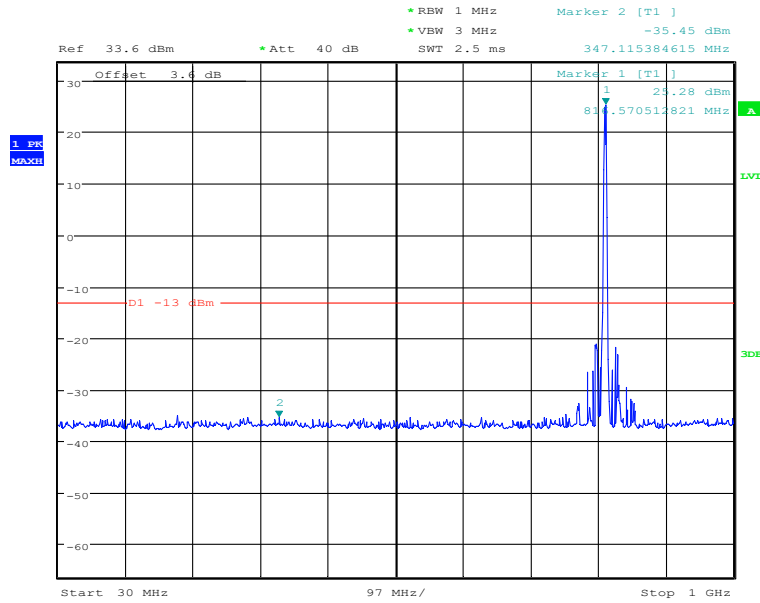
Date: 2.JAN.2021 03:12:58

Middle Channel-15MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

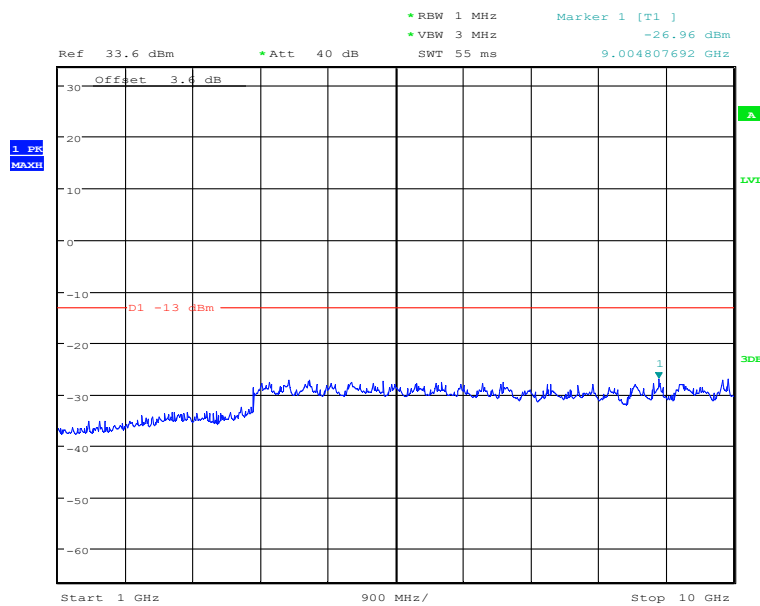
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:12:07

Low Channel-1.4MHz Bandwidth-30MHz to 1GHz



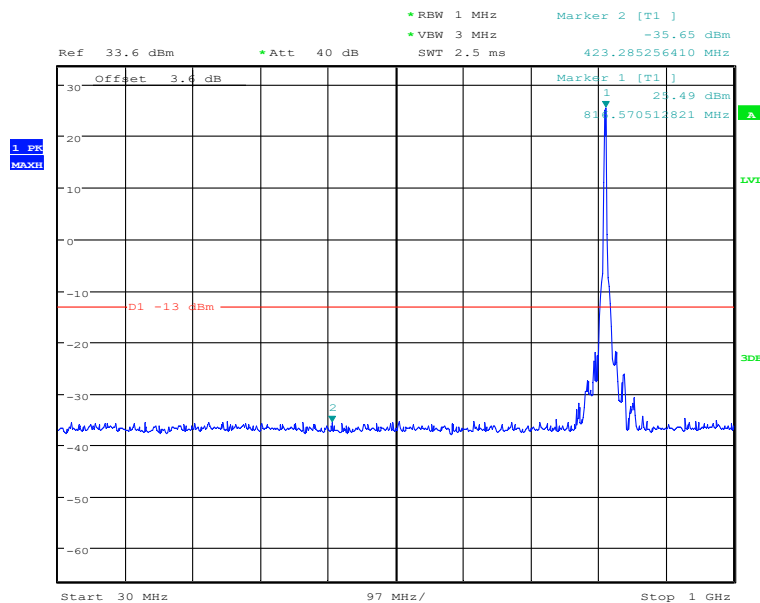
Date: 30.DEC.2020 03:12:23

Low Channel-1.4MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

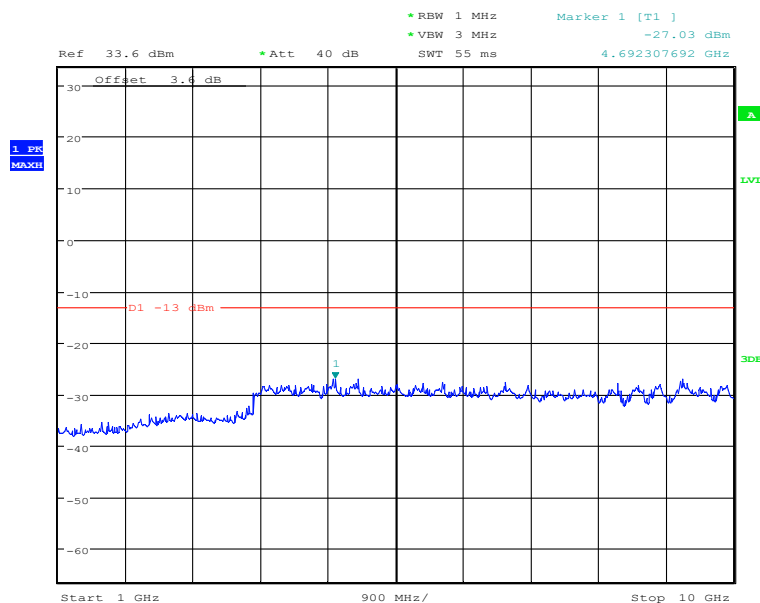
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:19:26

Low Channel-3MHz Bandwidth-30MHz to 1GHz



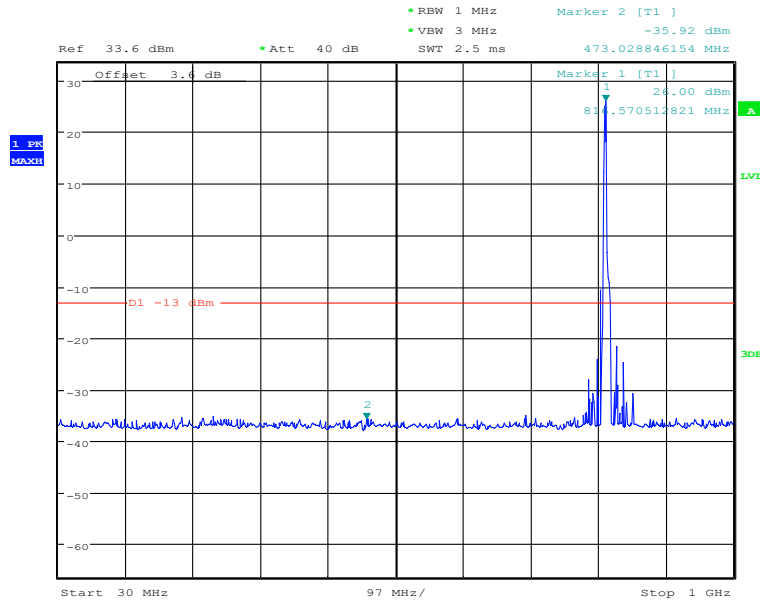
Date: 30.DEC.2020 03:19:46

Low Channel-3MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

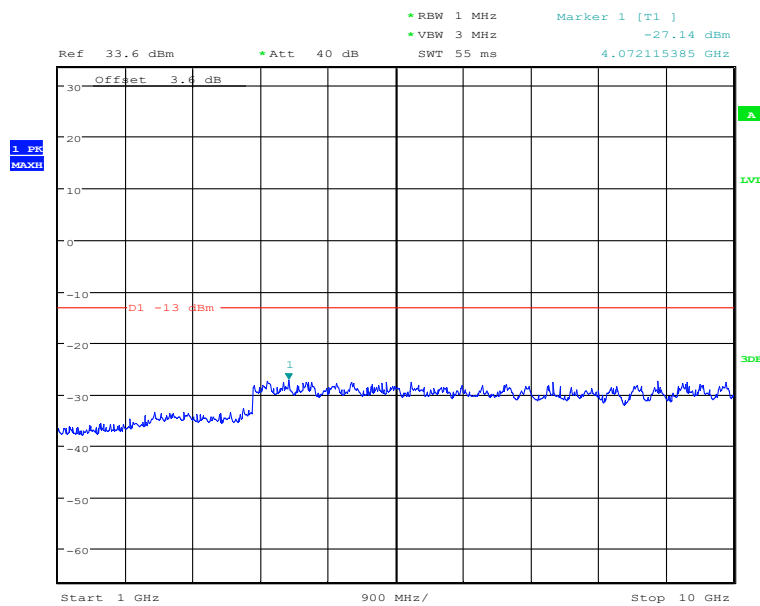
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:27:20

Low Channel-5MHz Bandwidth-30MHz to 1GHz



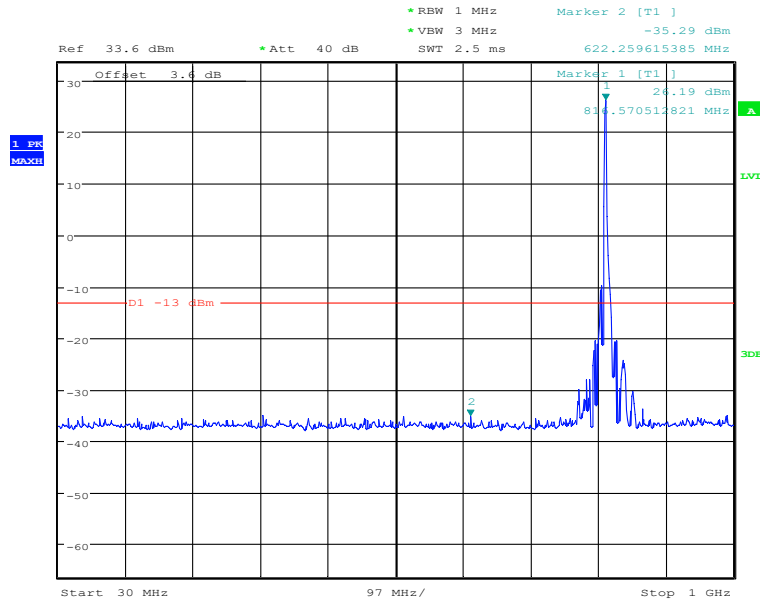
Date: 30.DEC.2020 03:27:35

Low Channel-5MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

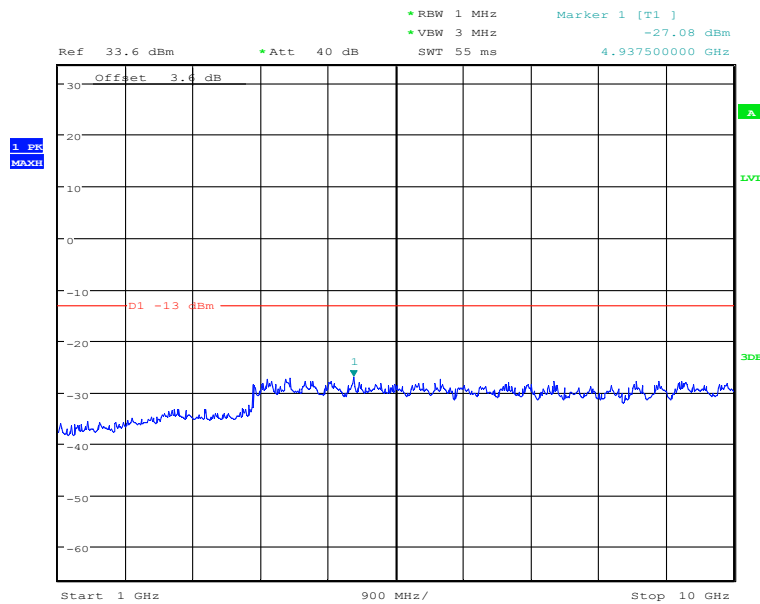
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 30.DEC.2020 03:33:27

Low Channel-10MHz Bandwidth-30MHz to 1GHz



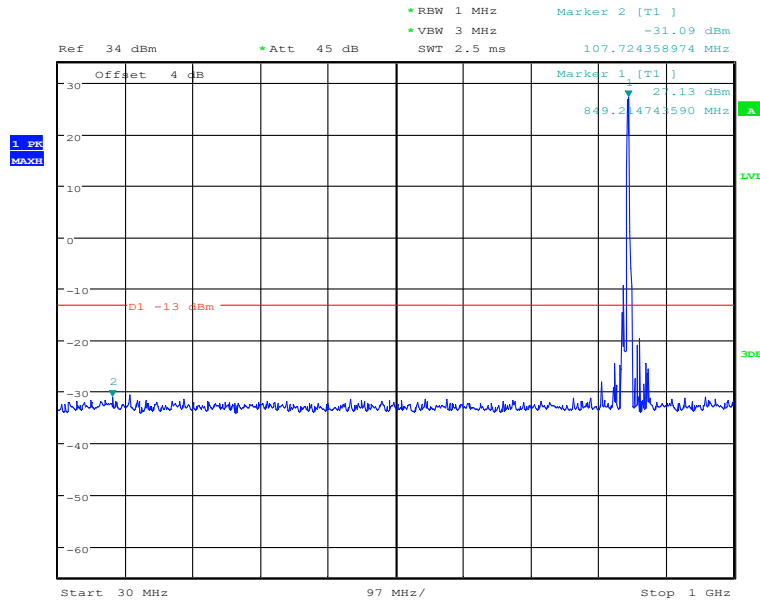
Date: 30.DEC.2020 03:33:40

Low Channel-10MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

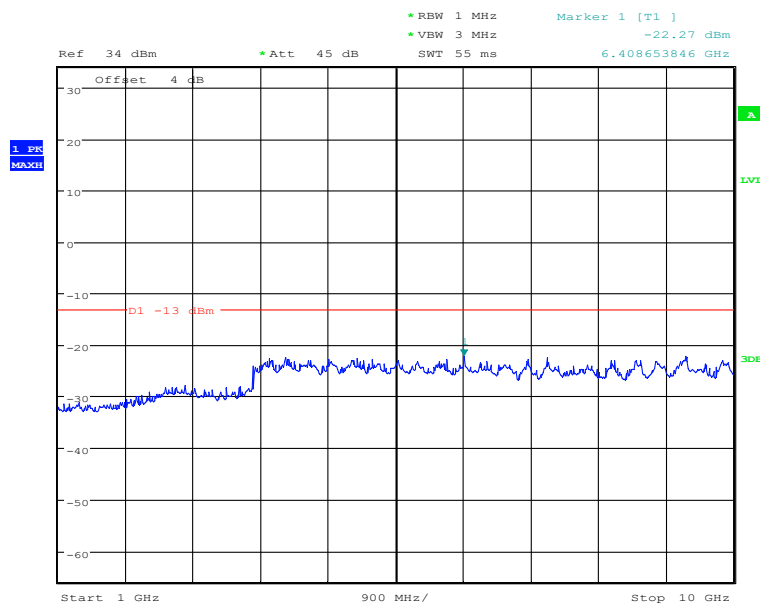
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 2.JAN.2021 03:12:18

Low Channel-15MHz Bandwidth-30MHz to 1GHz



Date: 2.JAN.2021 03:12:37

Low Channel-15MHz Bandwidth-1GHz to 10GHz

Chongqing Academy of Information and Communication Technology

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

5.4 Radiated Spurious Emission

Specifications:	FCC Part 2.1051, 2.1053, 24.238, 22.917, 27.53,90.691
DUT Serial Number:	866884045632254
Test conditions:	Ambient Temperature:15℃-35℃ Relative Humidity:30%-60% Air pressure: 86-106kPa
Test Results:	Pass

Limit Level Construction:

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

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

According to Part 27.53(c):

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

According to Part 27.53(h):

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

According to Part 27.53(g):

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

According to Part 90.691

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

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

Report No.: I20W00023-WWAN_Rev1

frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

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

The power of any emission shall be attenuated below the mean output power P (dBW) by at least $43 + 10 \log_{10}(p)$, measured in a 100 kHz bandwidth for frequencies less than or equal to 1 GHz, and in a 1 MHz bandwidth for frequencies greater than 1 GHz.

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

Measurement Uncertainty:

Item	Uncertainty
Expanded Uncertainty	5.15 dB (k=2)

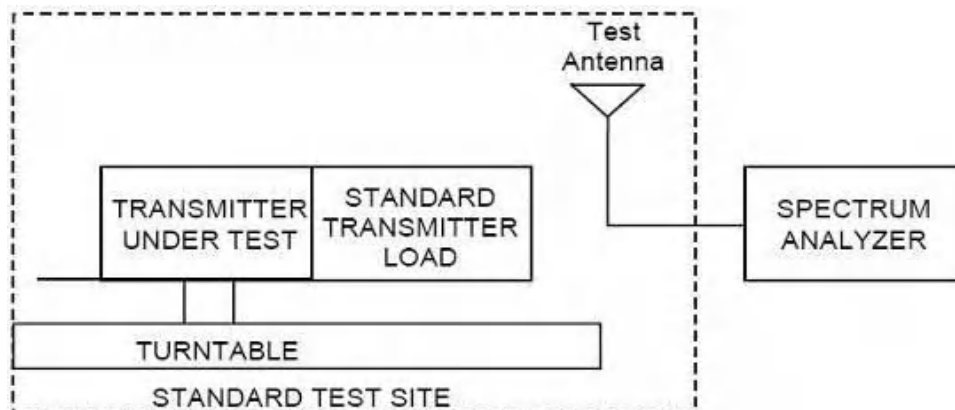
Test Setup:

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

Test Method:

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

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

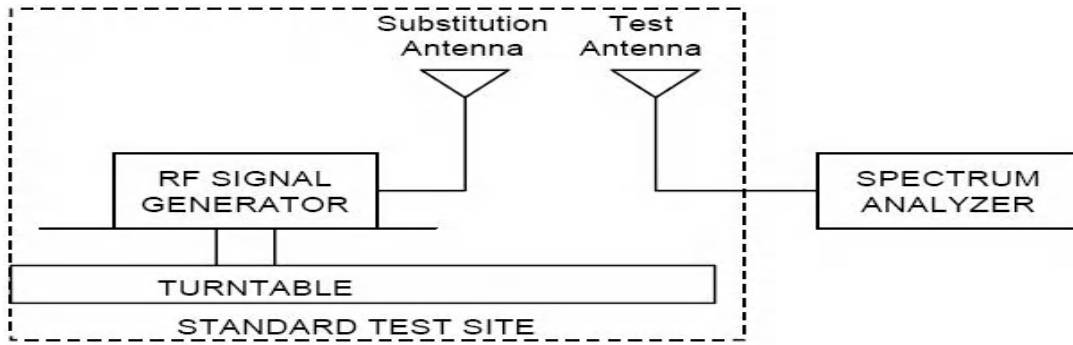


(b) Reconnect the equipment as illustrated.

Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1



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

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

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

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

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

where:

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

Note: Only worst case result is given below.

5.4.1 GSM850 GMSK Radiated Spurious Emission Results

Test Data (GMSK Mode channel 128)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1648.80	-46.38	4.7	7.3	-43.78	H
2472.00	-59.36	5.9	6.8	-58.46	H
3296.40	-62.64	6.7	8.9	-60.44	V
4120.80	-60.89	7.6	9.2	-59.29	V
4945.20	-60.45	7.7	9.9	-58.25	V
5769.60	-68.84	1.4	10.9	-59.34	V

Test Data (GMSK Mode channel 190)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1672.80	-47.75	4.7	8.1	-44.35	H
2510.40	-58.54	5.9	6.8	-57.64	H
3346.80	-62.03	6.8	8.9	-59.93	V
4182.00	-62.33	7.8	9.2	-60.93	V
5019.60	-60.81	7.5	9.9	-58.41	V
5856.00	-69.74	1.1	10.9	-59.94	V

Report No.: I20W00023-WWAN_Rev1

Test Data (GMSK Mode channel 251)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1696.80	-47.72	4.8	8.0	-44.52	H
2544.00	-58.66	5.9	6.9	-57.66	H
3392.40	-62.84	6.9	9.0	-60.74	V
4240.80	-61.96	7.8	9.2	-60.56	V
5089.20	-61.56	6.8	9.9	-58.46	V
5941.60	-68.02	1.4	10.9	-58.52	V

5.4.2 PCS1900 GMSK Radiated Spurious Emission Results

Test Data (GMSK Mode channel 512)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3700.65	-61.35	7.2	8.9	-59.65	V
5550.00	-69.28	2.0	10.5	-60.78	V
7401.41	-70.54	0.9	11.9	-59.54	V
9250.80	-69.57	1.0	11.8	-58.77	V
11100.30	-72.41	0.4	12.1	-60.71	V
12951.65	-71.99	0.4	12.4	-59.99	V

Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1

Test Data (GMSK Mode channel 661)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3760.80	-61.55	7.3	8.9	-59.95	V
5641.20	-66.98	1.8	10.5	-58.28	V
7517.40	-69.73	0.9	11.9	-58.73	V
9399.30	-69.78	0.7	11.8	-58.68	V
11278.50	-70.97	0.3	12.1	-59.17	V
13160.33	-71.24	0.4	12.4	-59.24	V

Test Data (GMSK Mode channel 810)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3818.40	-61.80	7.3	8.9	-60.20	V
5727.60	-69.06	1.8	10.5	-60.36	V
7636.20	-69.34	0.9	11.9	-58.34	V
9547.80	-71.24	0.7	11.8	-60.14	V
11454.00	-71.03	0.3	12.1	-59.23	V
13362.79	-73.00	0.4	12.4	-61.00	V

Chongqing Academy of Information and Communication Technology

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

5.4.3 CAT-M B2 Radiated Spurious Emission Results**Test Data (10MHz bandwidth QPSK Mode channel 18650)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3700.34	-61.21	7.2	8.9	-59.51	V
5550.26	-69.28	2.0	10.5	-60.78	V
7400.76	-69.18	0.9	11.9	-58.18	V
9250.61	-71.32	1.0	11.8	-60.52	V
11100.36	-72.31	0.4	12.1	-60.61	V
12950.46	-70.89	0.4	12.4	-58.89	V

Test Data (10MHz bandwidth QPSK Mode channel 18900)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3760.46	-60.14	7.4	8.9	-58.64	V
5640.36	-68.13	1.8	10.5	-59.43	V
7520.73	-69.89	0.9	11.9	-58.89	V
9400.14	-70.87	0.8	11.8	-59.87	V
11280.33	-70.77	0.3	12.2	-58.87	V
13160.47	-70.59	0.4	12.4	-58.59	V

Report No.: I20W00023-WWAN_Rev1

Test Data (10MHz bandwidth QPSK Mode channel 19150)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3820.24	-61.09	7.4	9.2	-59.29	V
5700.15	-67.58	1.7	10.5	-58.78	V
7580.29	-71.15	0.8	11.9	-60.05	V
9460.49	-71.87	0.8	11.8	-60.87	V
11340.74	-70.86	0.3	12.2	-58.96	V
13220.15	-70.92	0.4	12.4	-58.92	V

5.4.4 CAT-M B4 Radiated Spurious Emission Results

Test Data (10MHz bandwidth QPSK Mode channel 20000)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3420.21	-61.95	6.9	8.9	-59.95	V
5130.22	-63.24	6.3	9.9	-59.64	V
6840.44	-71.92	0.8	11.9	-60.82	V
8550.72	-70.89	0.9	11.2	-60.59	V
10260.48	-71.11	0.5	12.0	-59.61	V
11970.34	-70.93	0.4	12.2	-59.13	V

Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1

Test Data (10MHz bandwidth QPSK Mode channel 20175)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3465.46	-61.58	6.9	8.9	-59.58	V
5197.36	-65.00	5.8	9.9	-60.90	V
6930.73	-69.40	0.9	11.9	-58.40	V
8662.14	-71.28	0.9	11.2	-60.98	V
10395.33	-71.41	0.3	12.2	-59.51	V
12127.47	-71.75	0.6	12.2	-60.15	V

Test Data (10MHz bandwidth QPSK Mode channel 20350)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3510.57	-61.04	7.0	8.9	-59.14	V
5265.84	-63.96	5.0	10.5	-58.46	V
7020.36	-71.38	1.2	11.9	-60.68	V
8775.46	-69.51	1.1	11.5	-59.11	V
10530.15	-72.12	0.6	12.2	-60.52	V
12285.67	-72.11	0.3	12.3	-60.11	V

Chongqing Academy of Information and Communication Technology

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

5.4.5 CAT-M B12 Radiated Spurious Emission Results

Test Data (1.4 MHz bandwidth QPSK Mode channel 23017)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1338.26	-45.10	4.3	7.5	-41.90	H
2007.69	-61.16	5.2	8.2	-58.16	H
2676.84	-59.48	6.1	6.8	-58.78	H
3345.42	-61.33	6.8	8.9	-59.23	V
4014.36	-60.69	7.6	9.2	-59.09	V
4683.77	-61.10	8.1	9.5	-59.70	V

Test Data (1.4 MHz bandwidth QPSK Mode channel 23017)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1415.40	-46.14	4.4	8.2	-42.34	H
2122.60	-60.79	5.4	8.1	-58.09	H
2830.40	-59.28	7.5	8.0	-58.78	H
3538.20	-59.63	8.9	8.9	-59.63	V
4245.05	-61.69	7.8	9.2	-60.29	V
4953.90	-62.10	7.7	9.9	-59.90	V

Report No.: I20W00023-WWAN_Rev1

Test Data (1.4 MHz bandwidth QPSK Mode channel 23173)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1430.60	-47.58	4.4	8.3	-43.68	H
2145.90	-61.27	5.4	7.0	-59.67	H
2861.20	-60.38	6.4	8.0	-58.78	H
3576.50	-61.50	7.2	8.9	-59.80	V
4291.80	-60.72	7.8	9.5	-59.02	V
5007.10	-62.53	7.5	9.9	-60.13	V

5.4.6 CAT-M B13 Radiated Spurious Emission Results

Test Data (5MHz bandwidth QPSK Mode channel 23205)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1559.00	-56.64	4.6	8.5	-52.74	H
2338.50	-61.15	5.6	8.1	-58.65	H
3118.00	-61.18	6.5	8.9	-58.78	V
3897.50	-62.29	7.4	9.2	-60.49	V
4677.00	-60.39	8.1	9.5	-58.99	V
5456.50	-65.92	3.6	10.5	-59.02	V

Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1**Test Data (5MHz bandwidth QPSK Mode channel 23230)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1564.00	-56.06	4.6	8.5	-52.16	H
2346.00	-62.29	5.6	8.1	-59.79	H
3128.00	-61.18	6.5	8.9	-58.78	V
3910.00	-60.49	7.4	9.2	-58.69	V
4692.00	-60.66	8.1	9.5	-59.26	V
5474.00	-65.46	3.6	10.5	-58.56	V

Test Data (5MHz bandwidth QPSK Mode 23265)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1569.00	-57.44	4.6	8.5	-53.54	H
2353.50	-62.04	5.6	8.1	-59.54	H
3138.00	-61.18	6.5	8.9	-58.78	H
3922.50	-61.31	7.4	9.2	-59.51	V
4707.00	-59.64	8.1	9.5	-58.24	V
5491.50	-65.75	3.6	10.5	-58.85	V

Chongqing Academy of Information and Communication Technology

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

5.4.7 CAT-M B26 Radiated Spurious Emission Results**Test Data (10MHz bandwidth QPSK Mode channel 26740)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1638.00	-48.47	4.7	7.3	-45.87	H
2457.00	-57.32	6.0	6.8	-56.52	H
3276.00	-60.98	6.7	8.9	-58.78	V
4095.00	-62.54	7.6	9.2	-60.94	V
4914.00	-62.86	7.8	9.9	-60.76	V
5733.00	-69.85	1.5	10.5	-60.85	V

Test Data (10MHz bandwidth QPSK Mode channel 26865)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1663.00	-48.58	4.7	7.3	-45.98	H
2494.50	-57.62	5.9	6.8	-56.72	H
3326.00	-60.88	6.8	8.9	-58.78	V
4157.50	-61.38	7.8	9.2	-59.98	V
4989.00	-62.97	7.5	9.9	-60.57	V
5820.50	-68.14	1.1	10.9	-58.34	V

Report No.: I20W00023-WWAN_Rev1

Test Data (10MHz bandwidth QPSK Mode channel 26990)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1688.00	-47.99	4.8	8.1	-44.69	H
2532.00	-57.43	5.9	6.9	-56.43	H
3376.00	-60.78	6.9	8.9	-58.78	V
4220.00	-59.98	7.8	9.2	-58.58	V
5064.00	-61.85	7.1	9.9	-59.05	V
5908.00	-68.38	1.4	10.9	-58.88	V

5.4.8 NB-IoT B2 Radiated Spurious Emission Results

Test Data (QPSK Mode channel 18650)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3700.42	-61.85	7.2	8.9	-60.15	V
5550.32	-66.78	2.0	10.5	-58.28	V
7400.72	-71.66	0.9	11.9	-60.66	V
9250.13	-70.92	1.0	11.8	-60.12	V
11100.53	-71.50	0.4	12.1	-59.80	V
12950.97	-72.69	0.4	12.4	-60.69	V

Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1

Test Data (QPSK Mode channel 18900)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3760.22	-60.83	7.4	8.9	-59.33	V
5640.63	-66.75	1.8	10.5	-58.05	V
7520.84	-71.97	0.9	11.9	-60.97	V
9400.42	-69.76	0.8	11.8	-58.76	V
11280.86	-70.22	0.3	12.2	-58.32	V
13160.26	-70.56	0.4	12.4	-58.56	V

Test Data (QPSK Mode channel 19150)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3820.24	-61.99	7.4	9.2	-60.19	V
5700.15	-66.93	1.7	10.5	-58.13	V
7580.29	-70.14	0.8	11.9	-59.04	V
9460.49	-70.43	0.8	11.8	-59.43	V
11340.74	-70.75	0.3	12.2	-58.85	V
13220.15	-71.42	0.4	12.4	-59.42	V

Chongqing Academy of Information and Communication Technology

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

5.4.9 NB-IoT B4 Radiated Spurious Emission Results

Test Data (QPSK Mode channel 20000)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3420.46	-60.14	6.9	8.9	-58.14	V
5130.38	-63.44	6.3	9.9	-59.84	V
6840.13	-69.63	0.8	11.9	-58.53	V
8550.64	-71.30	0.9	11.2	-61.00	V
10260.71	-70.66	0.5	12.0	-59.16	V
11970.34	-70.51	0.4	12.2	-58.71	V

Test Data (QPSK Mode channel 20175)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3465.46	-60.94	6.9	8.9	-58.94	V
5197.36	-64.23	5.8	9.9	-60.13	V
6930.73	-70.26	0.9	11.9	-59.26	V
8662.14	-70.56	0.9	11.2	-60.26	V
10395.33	-70.31	0.3	12.2	-58.41	V
12127.47	-70.52	0.6	12.2	-58.92	V

Report No.: I20W00023-WWAN_Rev1**Test Data (QPSK Mode channel 20350)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
3510.57	-59.95	7.0	8.9	-58.05	V
5265.84	-63.88	5.0	10.5	-58.38	V
7020.36	-71.46	1.2	11.9	-60.76	V
8775.46	-68.96	1.1	11.5	-58.56	V
10530.15	-71.79	0.6	12.2	-60.19	V
12285.67	-71.37	0.3	12.3	-59.37	V

Chongqing Academy of Information and Communication Technology

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

5.4.11 NB-IoT B12 Radiated Spurious Emission Results

Test Data (QPSK Mode channel 23017)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1338.26	-45.74	4.3	7.5	-42.54	H
2007.69	-61.49	5.2	8.2	-58.49	H
2676.84	-59.39	6.1	6.8	-58.69	H
3345.42	-62.51	6.8	8.9	-60.41	V
4014.36	-60.26	7.6	9.2	-58.66	V
4683.77	-59.81	8.1	9.5	-58.41	V

Test Data (QPSK Mode channel 23017)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1415.40	-46.31	4.4	8.2	-42.51	H
2122.60	-62.27	5.4	8.1	-59.57	H
2830.40	-60.23	7.5	8.0	-59.73	H
3538.20	-58.00	8.9	8.9	-58.00	V
4245.05	-61.18	7.8	9.2	-59.78	V
4953.90	-62.66	7.7	9.9	-60.46	V

Report No.: I20W00023-WWAN_Rev1

Test Data (QPSK Mode channel 23173)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1430.60	-46.55	4.4	8.3	-42.65	H
2145.90	-60.50	5.4	7.0	-58.90	H
2861.20	-61.05	6.4	8.0	-59.45	H
3576.50	-61.32	7.2	8.9	-59.62	V
4291.80	-61.41	7.8	9.5	-59.71	V
5007.10	-61.63	7.5	9.9	-59.23	V

5.4.12 NB-IoT B13 Radiated Spurious Emission Results

Test Data (QPSK Mode channel 23205)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1559.00	-56.84	4.6	8.5	-52.94	H
2338.50	-60.80	5.6	8.1	-58.30	H
3118.00	-60.89	6.5	8.9	-58.49	V
3897.50	-60.17	7.4	9.2	-58.37	V
4677.00	-62.17	8.1	9.5	-60.77	V
5456.50	-65.86	3.6	10.5	-58.96	V

Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1

Test Data (QPSK Mode channel 23230)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1564.00	-57.38	4.6	8.5	-53.48	H
2346.00	-63.26	5.6	8.1	-60.76	H
3128.00	-63.07	6.5	8.9	-60.67	V
3910.00	-60.15	7.4	9.2	-58.35	V
4692.00	-60.63	8.1	9.5	-59.23	V
5474.00	-65.68	3.6	10.5	-58.78	V

Test Data (QPSK Mode channel 23265)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Antenna Polarization [H/V]
1569.00	-57.02	4.6	8.5	-53.12	H
2353.50	-62.57	5.6	8.1	-60.07	H
3138.00	-60.56	6.5	8.9	-58.16	V
3922.50	-60.92	7.4	9.2	-59.12	V
4707.00	-61.20	8.1	9.5	-59.80	V
5491.50	-65.25	3.6	10.5	-58.35	V

Chongqing Academy of Information and Communication Technology

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

5.4.13 NB-IoT B26 Radiated Spurious Emission Results

Test Data (QPSK Mode channel 26691)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Margin Value [dB]	Limit [dBm]	Antenna Polarization [H/V]
1638.00	-48.56	4.7	7.3	-45.96	32.96	-13	V
2457.00	-57.54	6.0	6.8	-56.74	43.74	-13	V
3276.00	-60.95	6.7	8.9	-58.75	45.75	-13	V
4095.00	-61.66	7.6	9.2	-60.06	47.06	-13	V
4914.00	-60.27	7.8	9.9	-58.17	45.17	-13	V
5733.00	-69.41	1.5	10.5	-60.41	47.41	-13	V

Test Data (QPSK Mode channel 26865)

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Margin Value [dB]	Limit [dBm]	Antenna Polarization [H/V]
1663.00	-47.49	4.7	7.3	-44.89	31.89	-13	V
2494.50	-58.03	5.9	6.8	-57.13	44.13	-13	V
3326.00	-60.40	6.8	8.9	-58.30	45.30	-13	V
4157.50	-59.46	7.8	9.2	-58.06	45.06	-13	V
4989.00	-62.21	7.5	9.9	-59.81	46.81	-13	V
5820.50	-69.07	1.1	10.9	-59.27	46.27	-13	V

Report No.: I20W00023-WWAN_Rev1**Test Data (QPSK Mode channel 27039)**

Frequency [MHz]	Generator output power(Pg) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (Pd) [dBm]	Margin Value [dB]	Limit [dBm]	Antenna Polarizati on [H/V]
1688.00	-46.88	4.8	8.1	-43.58	30.58	-13	V
2532.00	-58.10	5.9	6.9	-57.10	44.10	-13	V
3376.00	-60.96	6.9	8.9	-58.96	45.96	-13	V
4220.00	-61.69	7.8	9.2	-60.29	47.29	-13	V
5064.00	-62.68	7.1	9.9	-59.88	46.88	-13	V
5908.00	-69.73	1.4	10.9	-60.23	47.23	-13	V

Chongqing Academy of Information and Communication TechnologyAddress: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1**5.5 Band Edge**

Specifications:	FCC Part 2.1051, 2.1053, 24.238, 22.917, 27.53,90.691
DUT Serial Number:	866884045632254
Test conditions:	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% Air pressure: 86-106kPa
Test Results:	Pass

Limit Level Construction:**According to Part 22.917 and 24.238:**

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

According to Part 27.53(c):

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

According to Part 27.53(h):

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

According to Part 27.53(g):

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

According to Part 90.691:

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

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

Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1

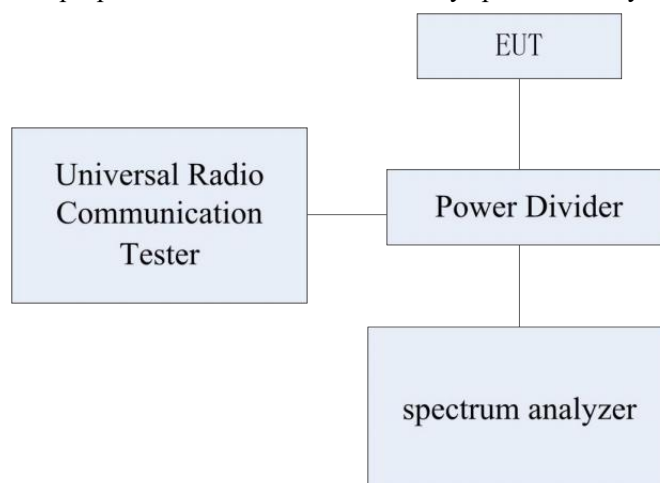
(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10\log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed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

Measurement Uncertainty:

Item	Uncertainty	
Expanded Uncertainty	$9\text{kHz} < f \leq 4\text{GHz}$	0.71 dB (k=2)
	$4\text{GHz} \leq f < 12.75\text{GHz}$	0.74 dB (k=2)
	$12.75\text{GHz} \leq f < 26\text{GHz}$	2.70 dB (k=2)

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:

- 1) The EUT was coupled to the EMI test receiver analyzer mode and the base station simulator through a power divider. The loss of the cables the test system is calibrated to correct the readings.
- 2) The spectrum analyzer was set to Average Detector function and Maximum hold mode.
- 3) The resolution Bandwidth of the spectrum analyzer was a little greater than 1% of the 26dB emission Bandwidth. resolution Bandwidth of the spectrum analyzer was a little greater than 30kHz for Band12

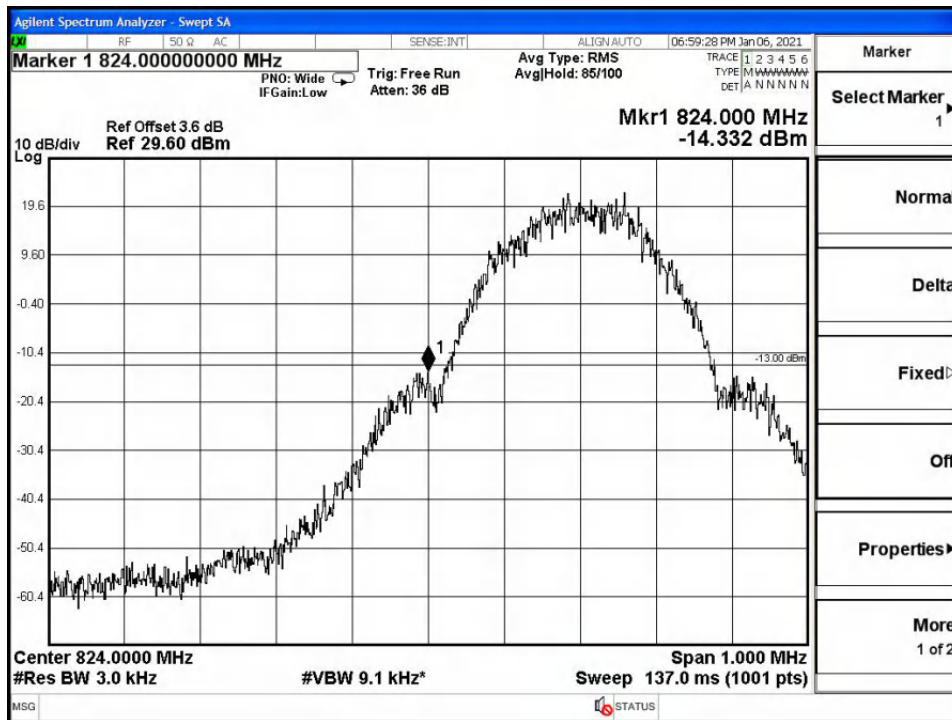
Note: Only worst case result is given below.

Chongqing Academy of Information and Communication Technology

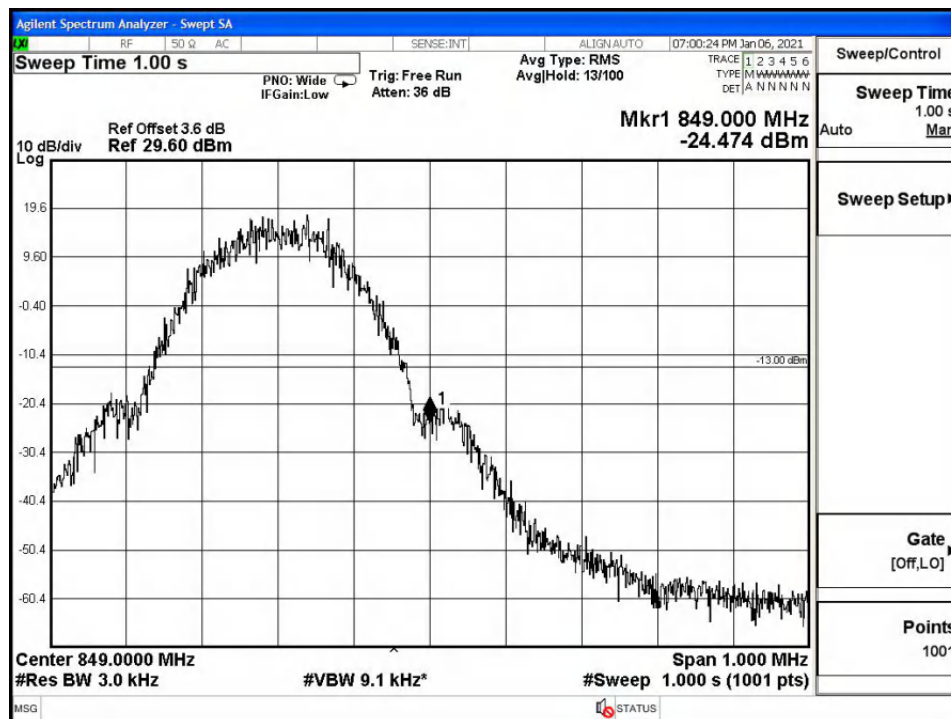
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336
Tel: 0086-23-88069965 FAX: 0086-23-88608777

Report No.: I20W00023-WWAN_Rev1

5.5.1 GSM850 Band Edge Results



GSMK-Cellular low channel-below 824 MHz

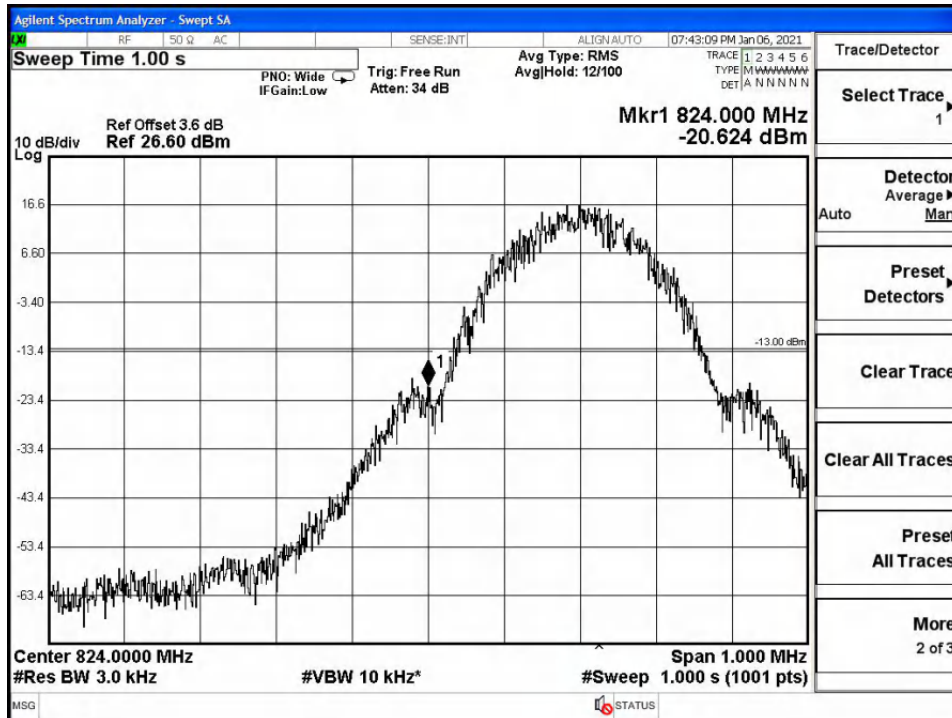


GMSK-Cellular high channel-above 849 MHz

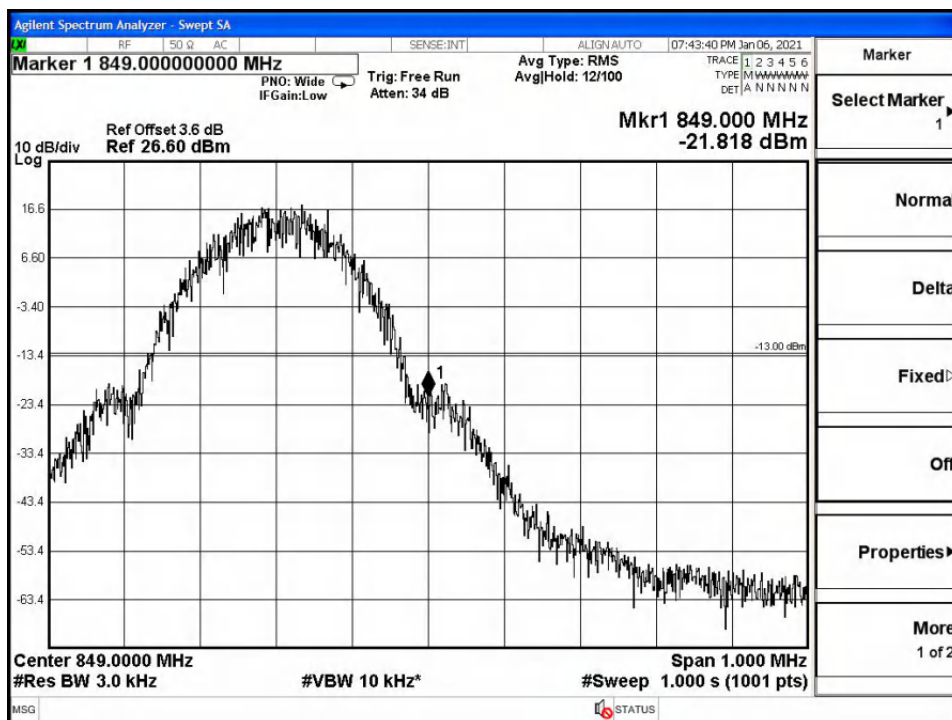
Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1



8PSK-Cellular low channel-below 824 MHz



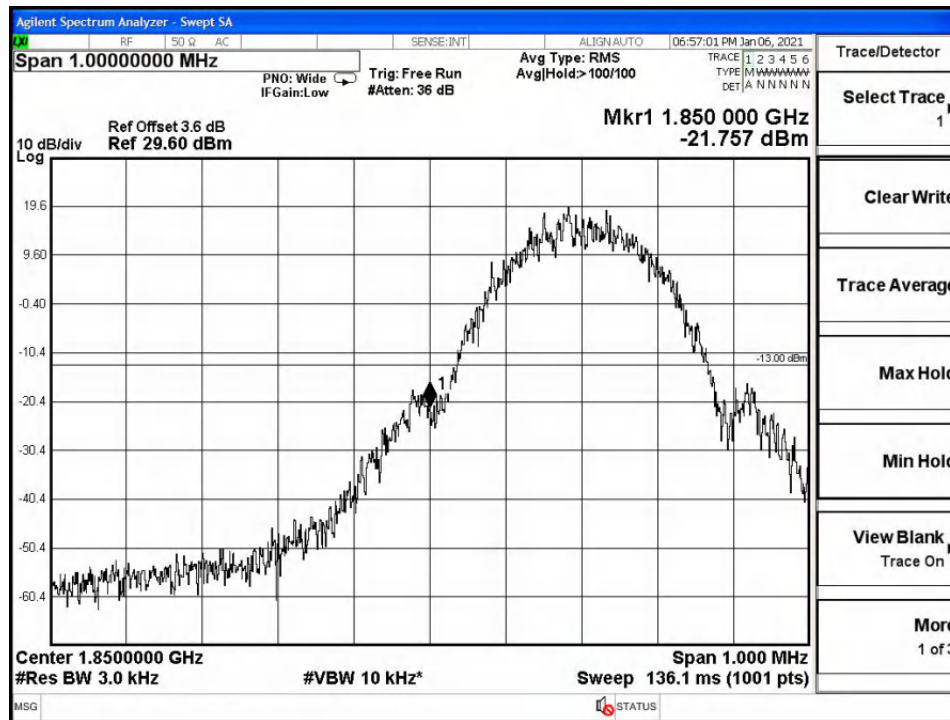
8PSK-Cellular high channel-above 849 MHz

Chongqing Academy of Information and Communication Technology

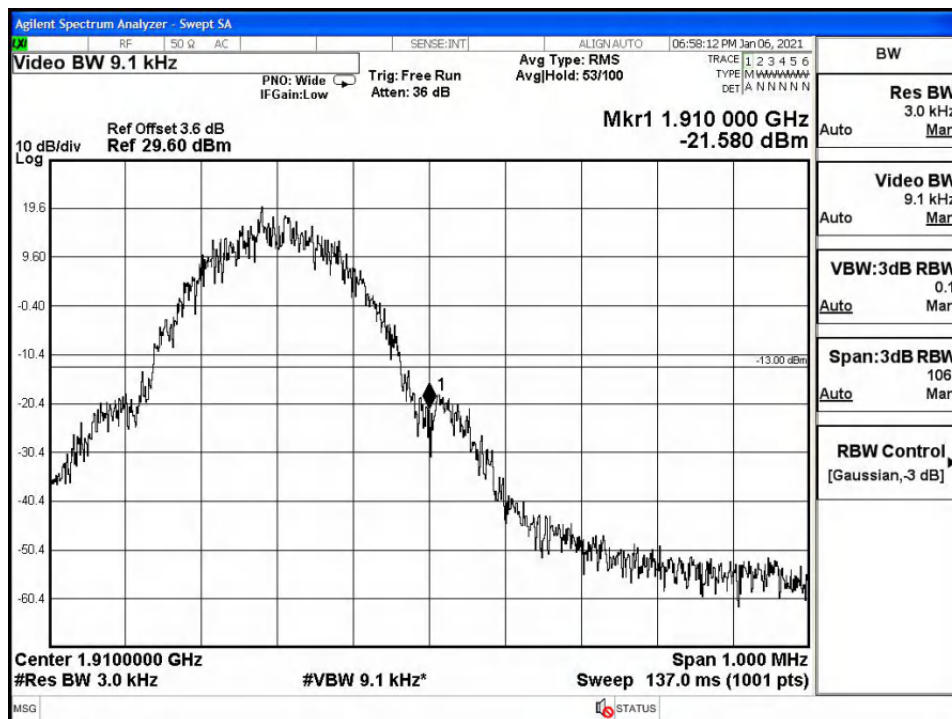
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1

5.5.2 PCS1900 Band Edge Results



GMSK-PCS low channel-below 1850 MHz

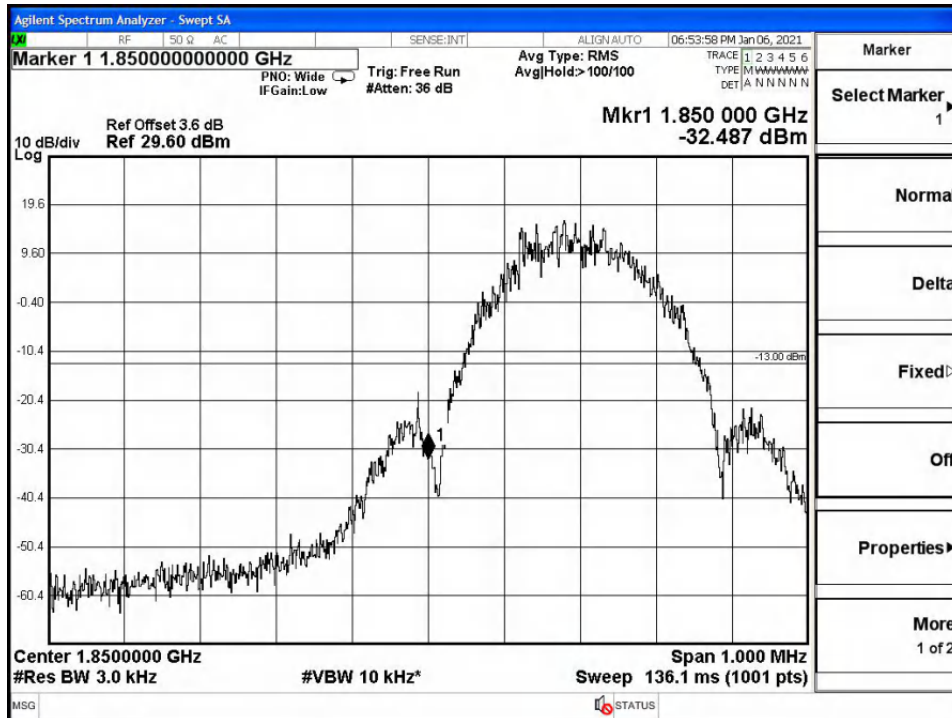


GMSK-PCS high channel-above 1910 MHz

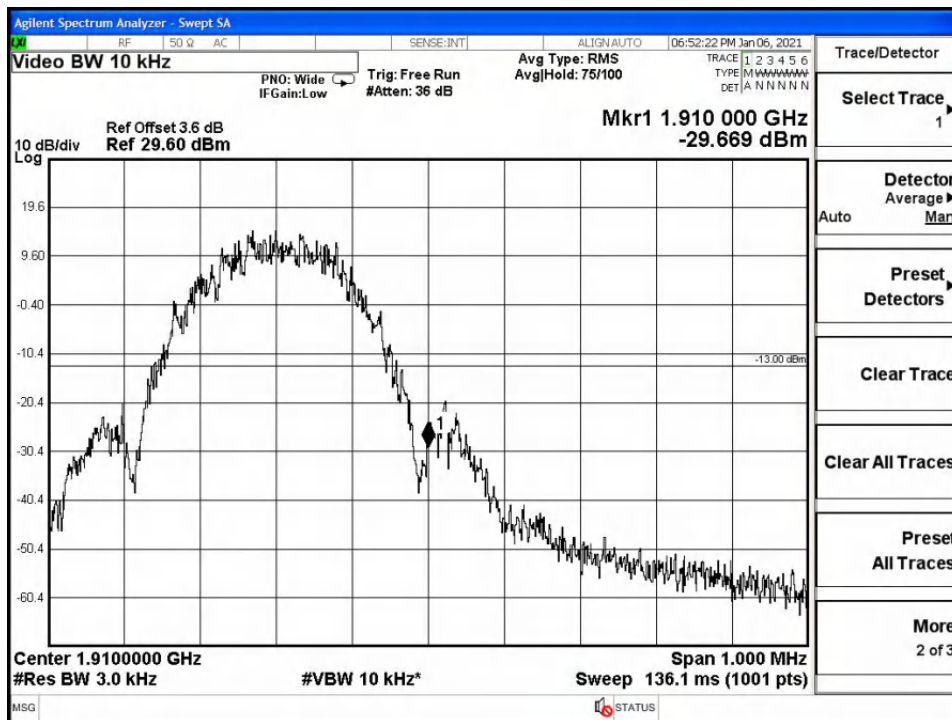
Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1



8PSK-PCS low channel-below 1850 MHz



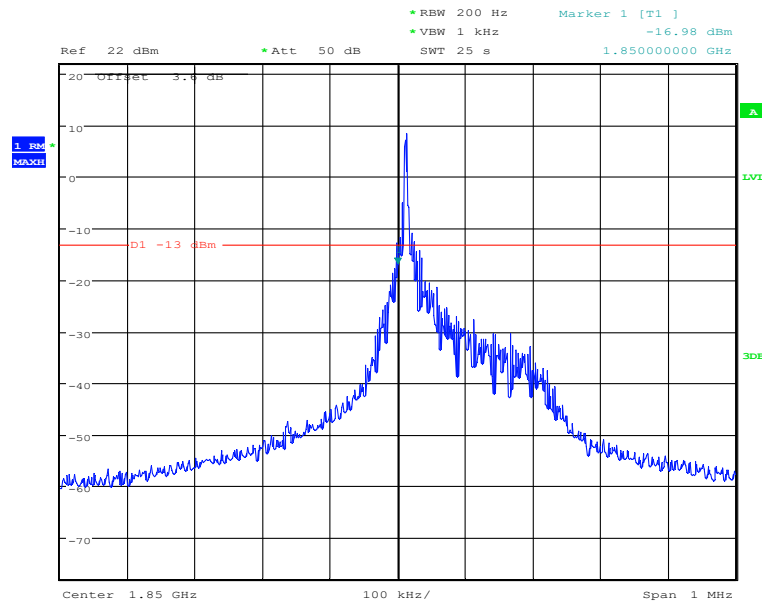
8PSK-PCS high channel-above 1910 MHz

Chongqing Academy of Information and Communication Technology

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

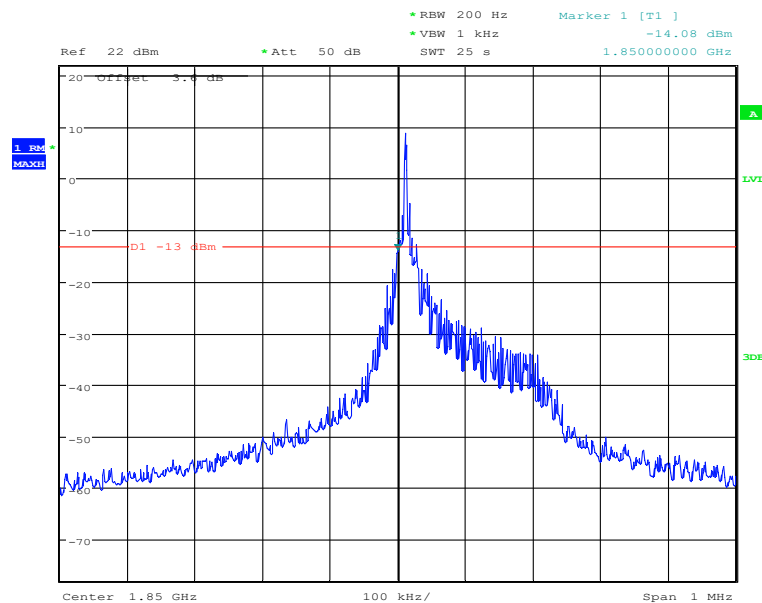
Report No.: I20W00023-WWAN_Rev1

5.5.3 NB-IoT Band2 Edge Results



Date: 28.DEC.2020 13:10:50

Low Channel, Subcarrier (3.75kHz), QPSK, 1@0



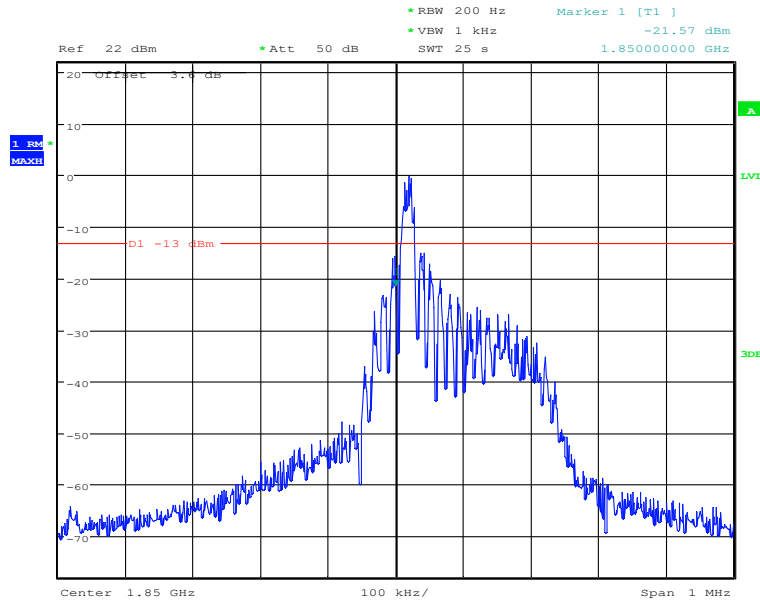
Date: 28.DEC.2020 13:08:43

Low Channel, Subcarrier (3.75kHz), BPSK, 1@0

Chongqing Academy of Information and Communication Technology

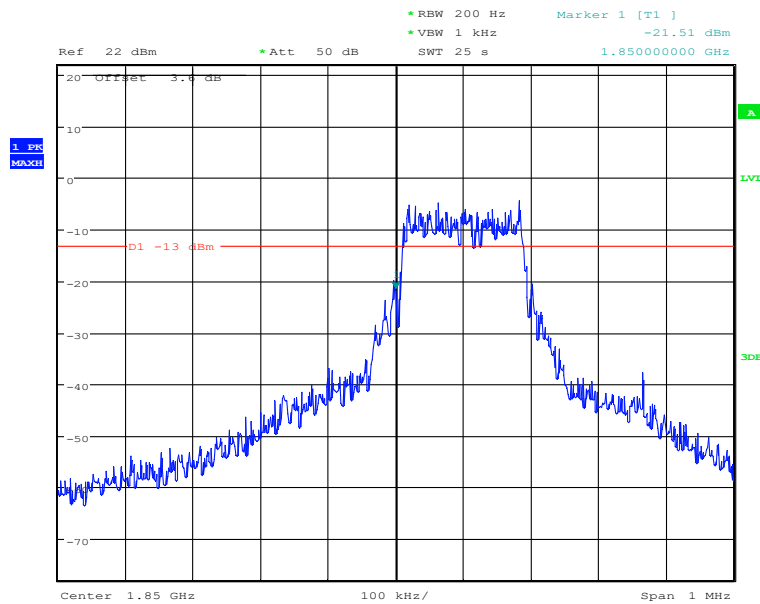
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 28.DEC.2020 13:05:30

Low Channel, Subcarrier (15kHz), QPSK, 1@0



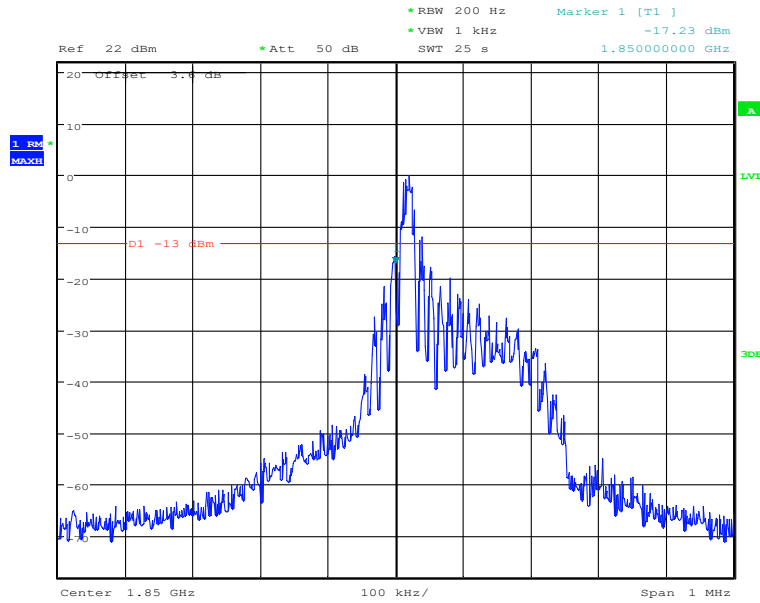
Date: 28.DEC.2020 13:03:17

Low Channel, Subcarrier (15kHz), QPSK, 12@0

Chongqing Academy of Information and Communication Technology

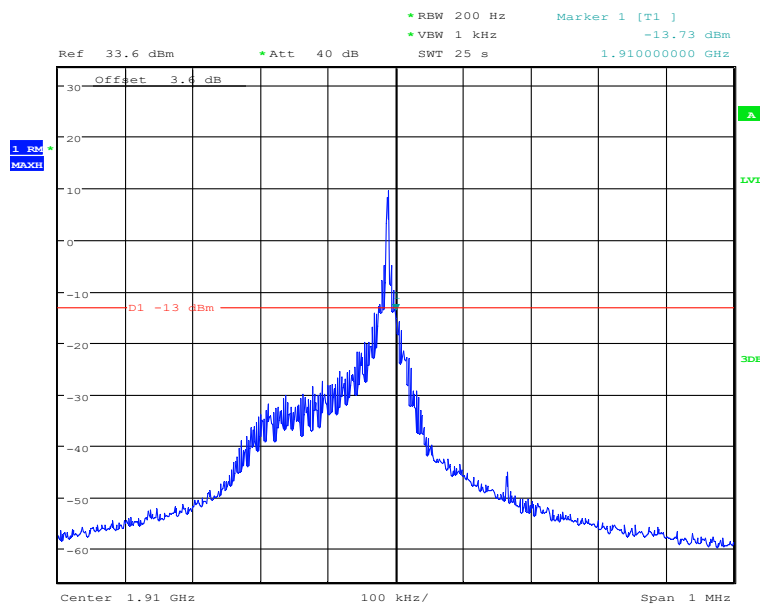
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 28.DEC.2020 13:06:19

Low Channel, Subcarrier (15kHz), BPSK, 1@0



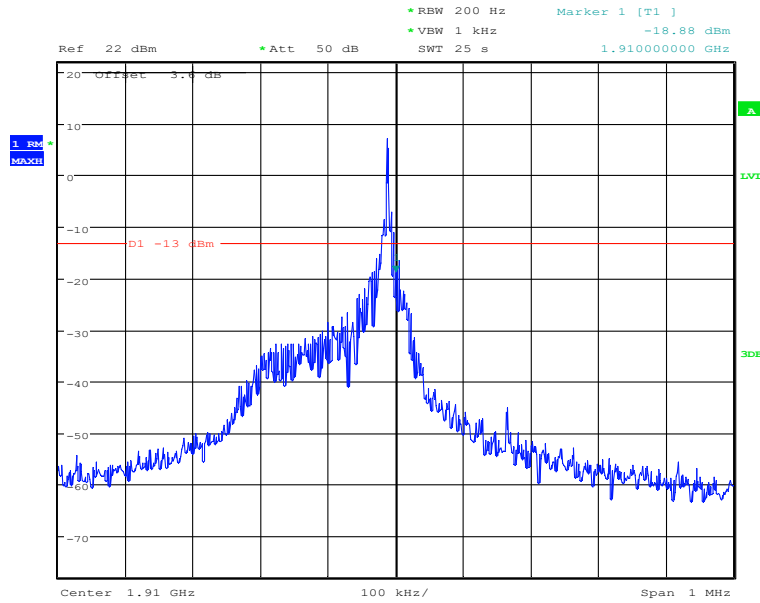
Date: 1.JAN.2021 19:34:59

High Channel, Subcarrier (3.75kHz), QPSK, 1@47

Chongqing Academy of Information and Communication Technology

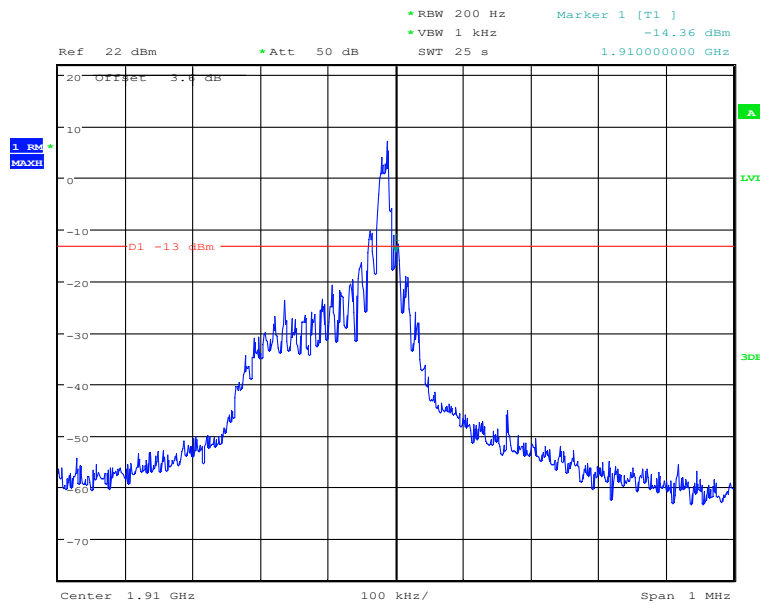
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 28.DEC.2020 13:13:55

High Channel, Subcarrier (3.75kHz), BPSK, 1@47



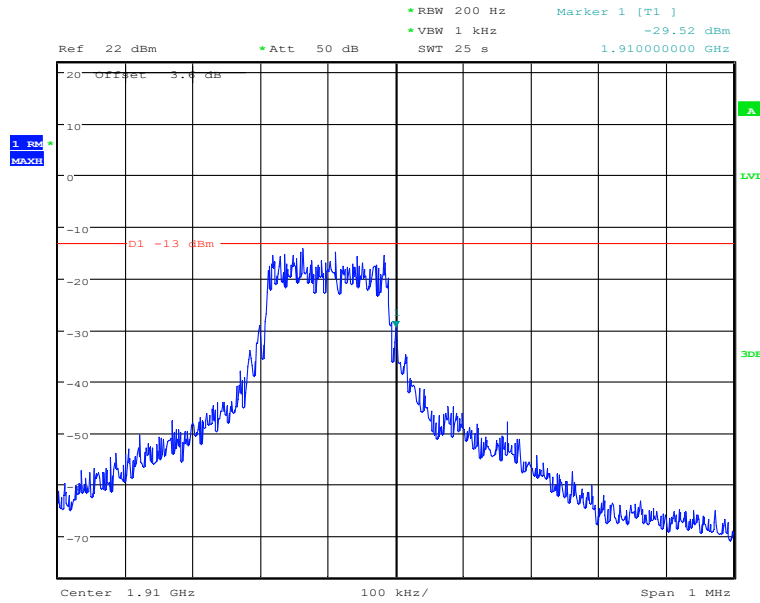
Date: 28.DEC.2020 13:18:53

High Channel, Subcarrier (15kHz), QPSK, 1@11

Chongqing Academy of Information and Communication Technology

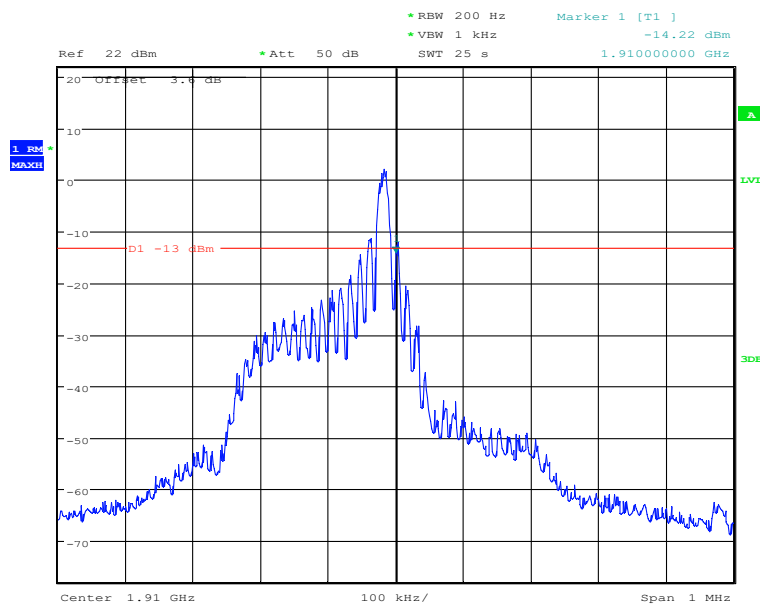
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 28.DEC.2020 13:21:38

High Channel, Subcarrier (15kHz), QPSK, 12@0



Date: 28.DEC.2020 13:26:35

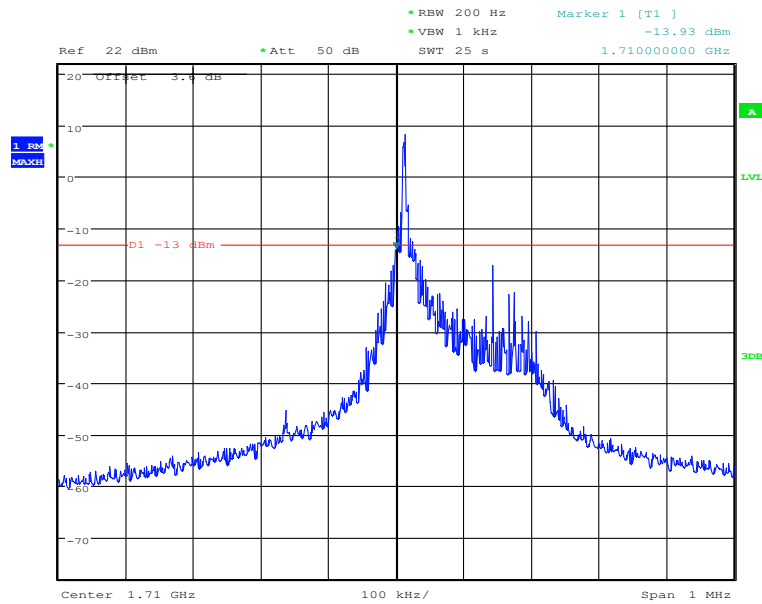
High Channel, Subcarrier (15kHz), BPSK, 1@11

Chongqing Academy of Information and Communication Technology

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

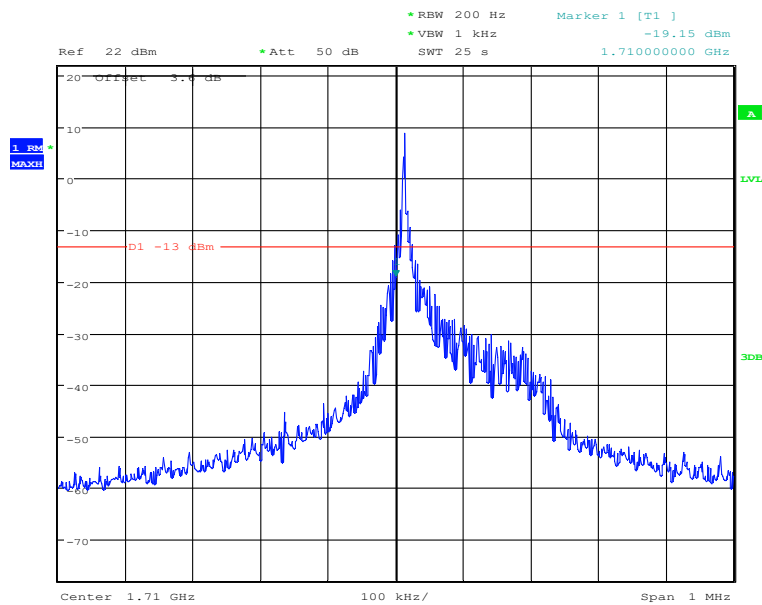
Report No.: I20W00023-WWAN_Rev1

5.5.4 NB-IoT Band4 Edge Results



Date: 28.DEC.2020 13:32:27

Low Channel, Subcarrier (3.75kHz), QPSK, 1@0



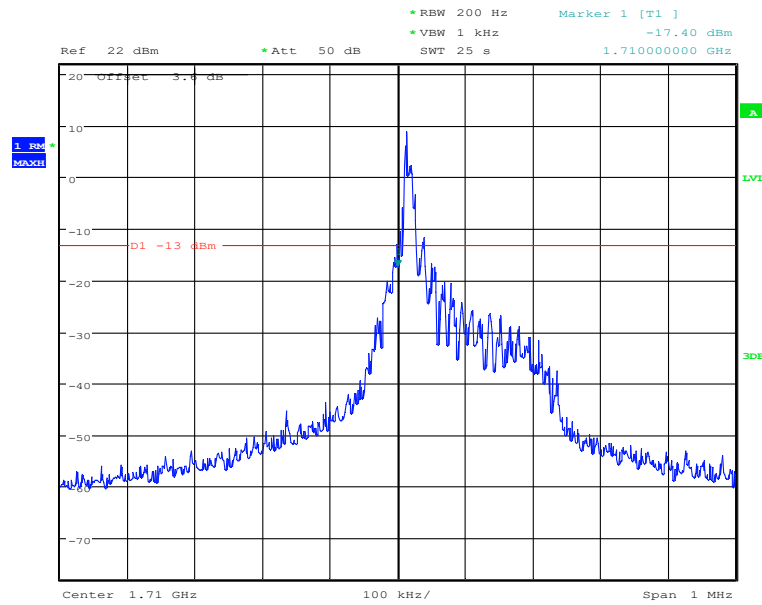
Date: 28.DEC.2020 13:33:34

Low Channel, Subcarrier (3.75kHz), BPSK, 1@0

Chongqing Academy of Information and Communication Technology

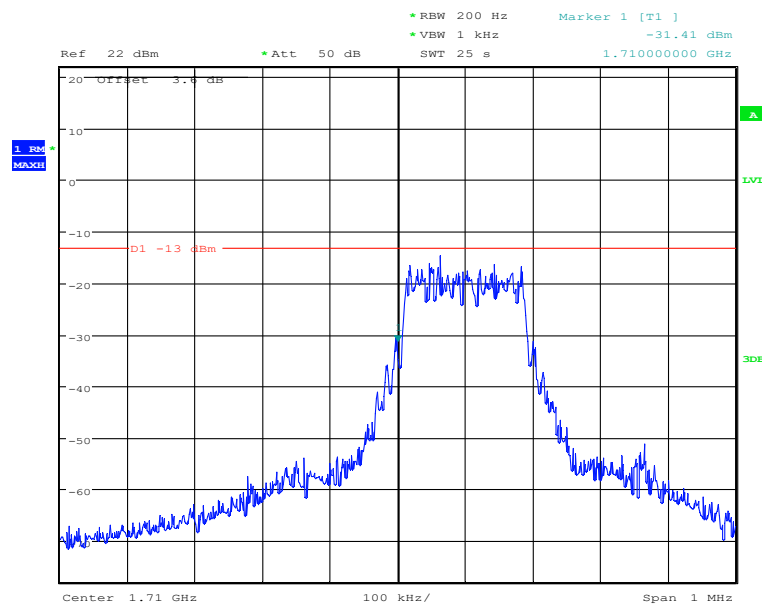
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 28.DEC.2020 13:35:43

Low Channel, Subcarrier (15kHz), QPSK, 1@0



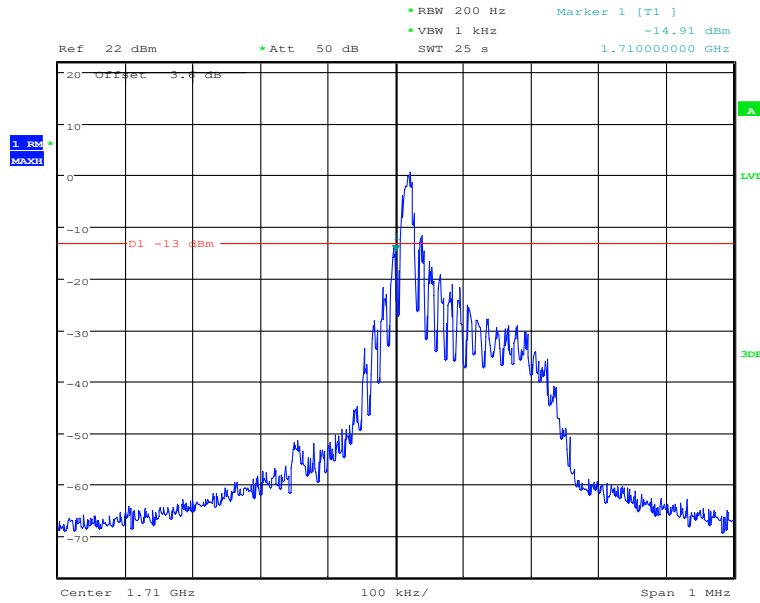
Date: 28.DEC.2020 13:37:45

Low Channel, Subcarrier (15kHz), QPSK, 12@0

Chongqing Academy of Information and Communication Technology

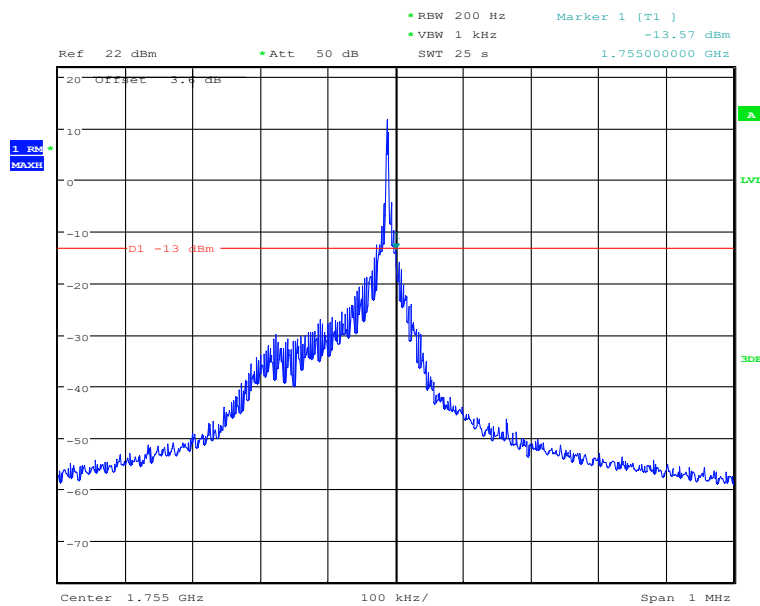
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 28.DEC.2020 13:39:18

Low Channel, Subcarrier (15kHz), BPSK, 1@0



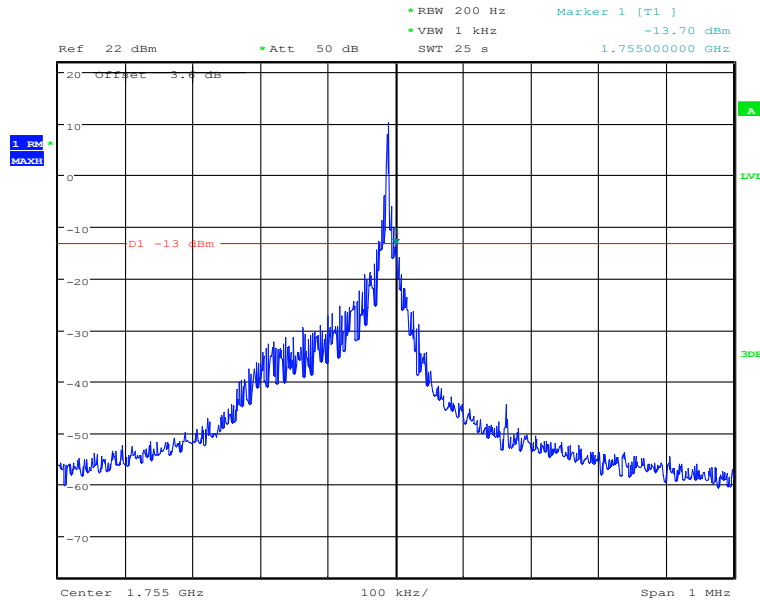
Date: 28.DEC.2020 13:45:25

High Channel, Subcarrier (3.75kHz), QPSK, 1@47

Chongqing Academy of Information and Communication Technology

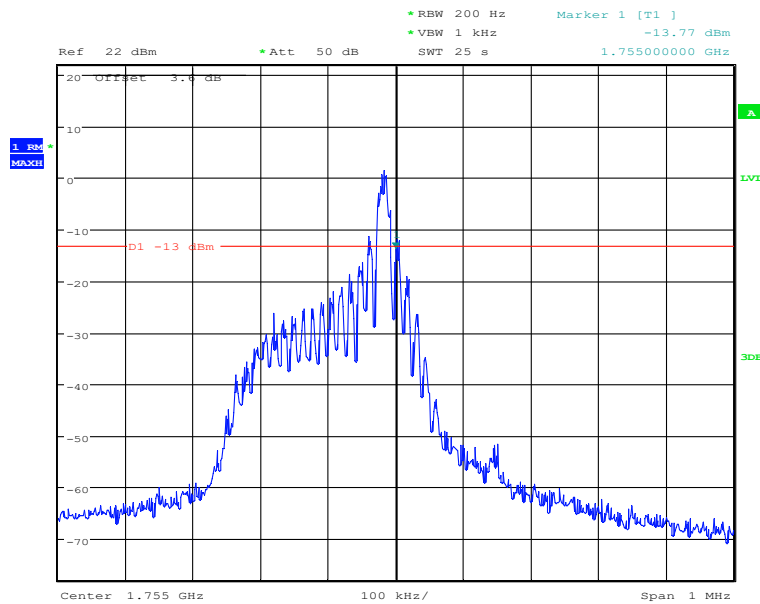
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 28.DEC.2020 13:46:56

High Channel, Subcarrier (3.75kHz), BPSK, 1@47



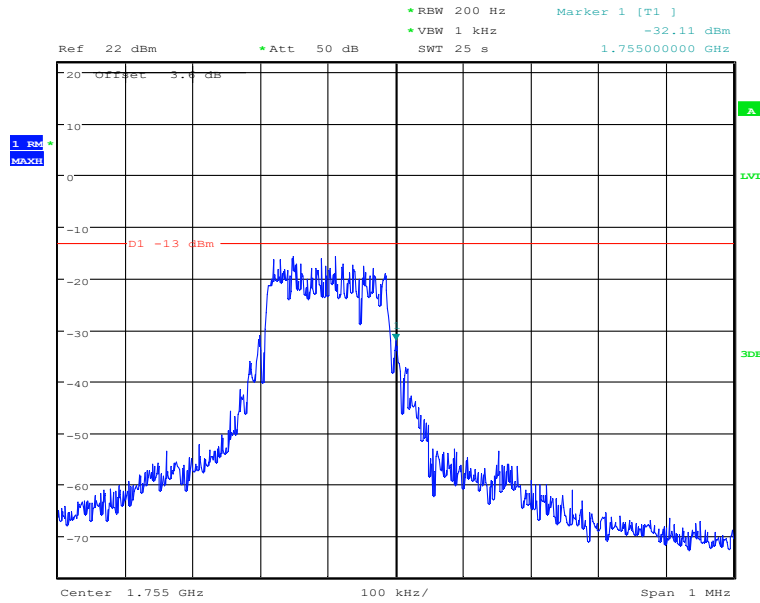
Date: 28.DEC.2020 13:49:24

High Channel, Subcarrier (15kHz), QPSK, 1@11

Chongqing Academy of Information and Communication Technology

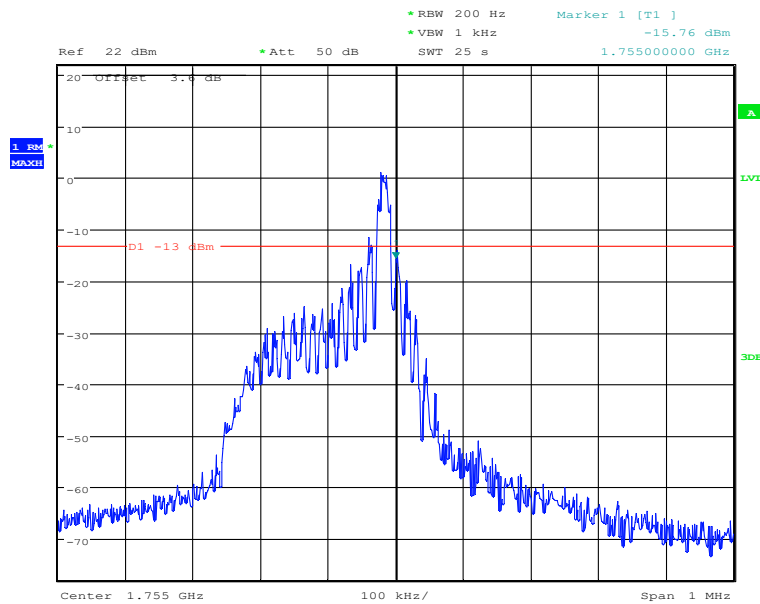
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 28.DEC.2020 13:50:34

High Channel, Subcarrier (15kHz), QPSK, 12@0



Date: 28.DEC.2020 13:53:09

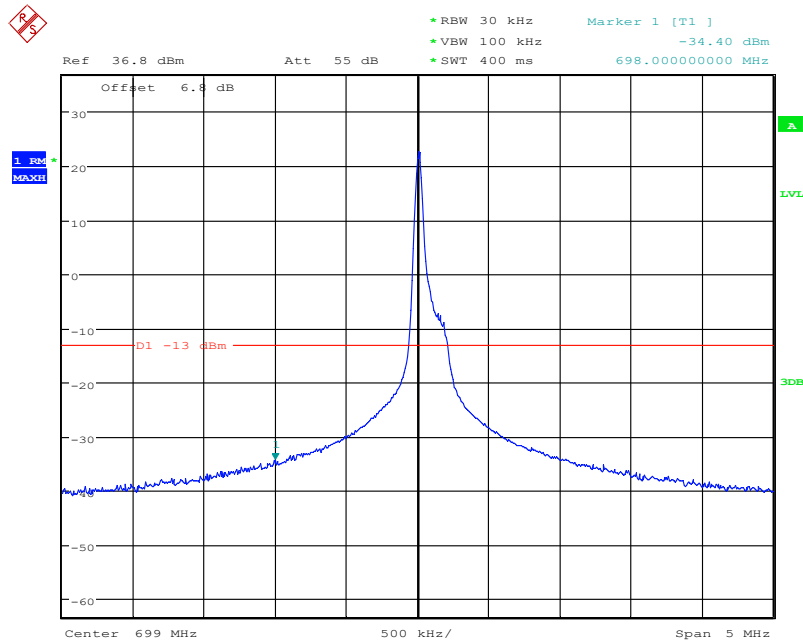
High Channel, Subcarrier (15kHz), BPSK, 1@11

Chongqing Academy of Information and Communication Technology

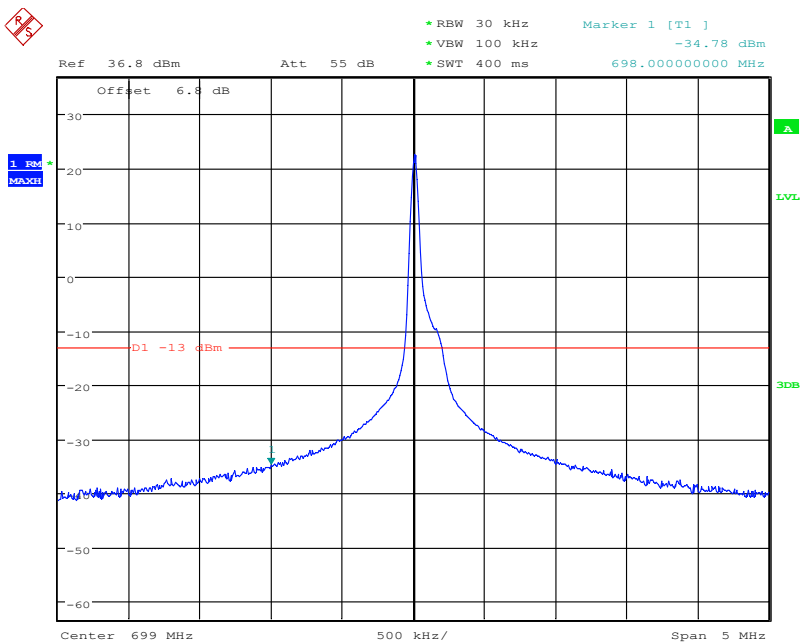
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1

5.5.5 NB-IoT Band12 Edge Results



Low Channel, Subcarrier (3.75kHz), QPSK, 1@0

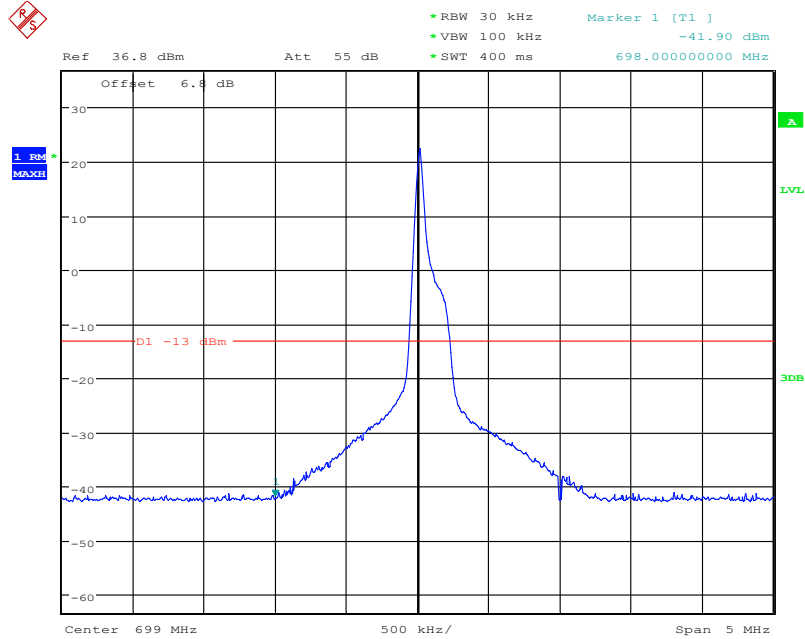


Low Channel, Subcarrier (3.75kHz), BPSK, 1@0

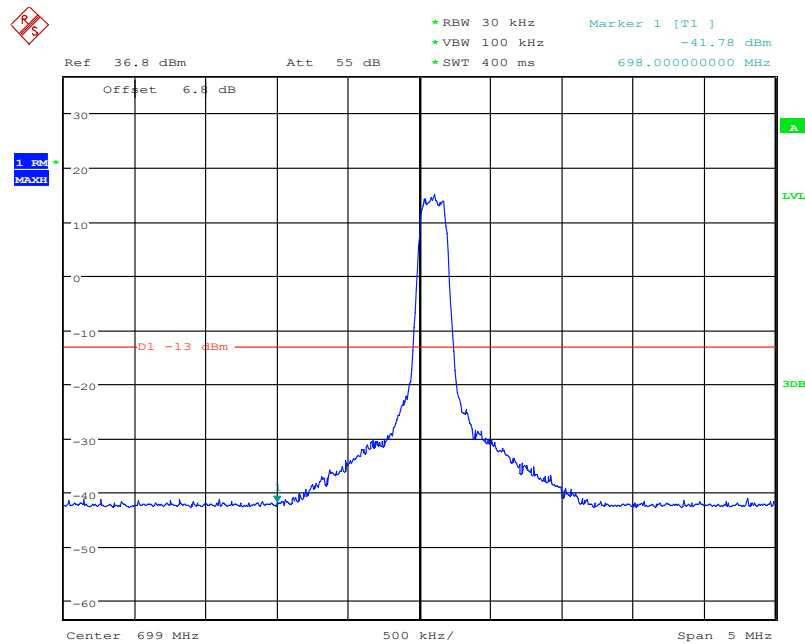
Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1



Low Channel, Subcarrier (15kHz), QPSK, 1@0

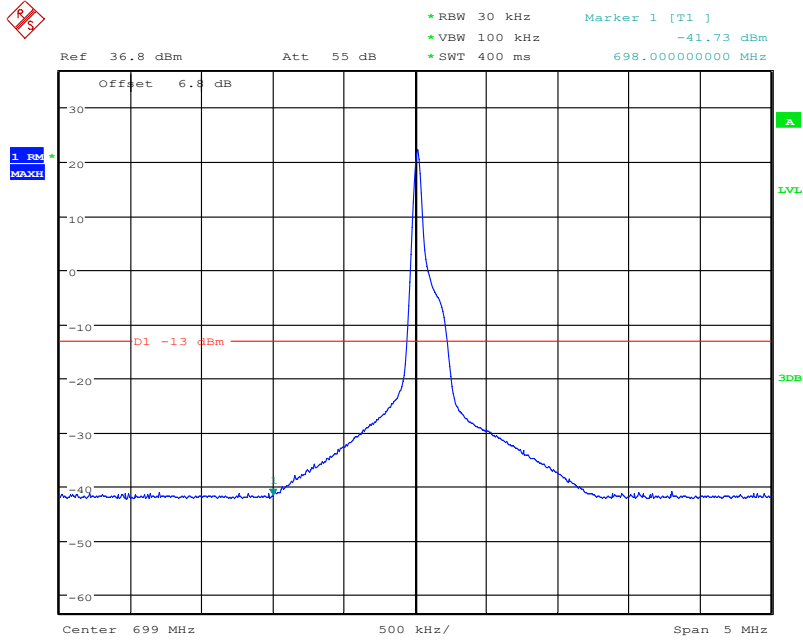


Low Channel, Subcarrier (15kHz), QPSK, 12@0

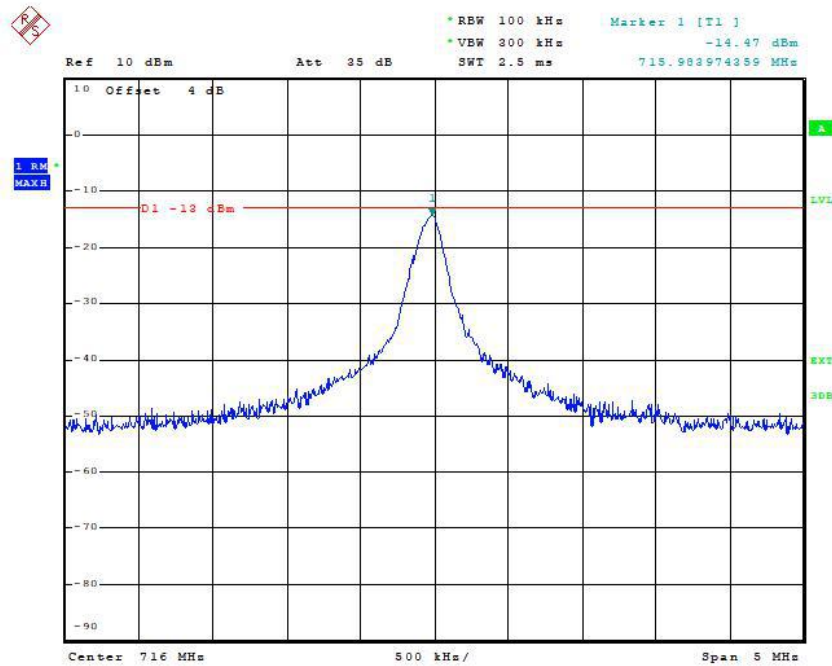
Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1



Low Channel, Subcarrier (15kHz), BPSK, 1@0

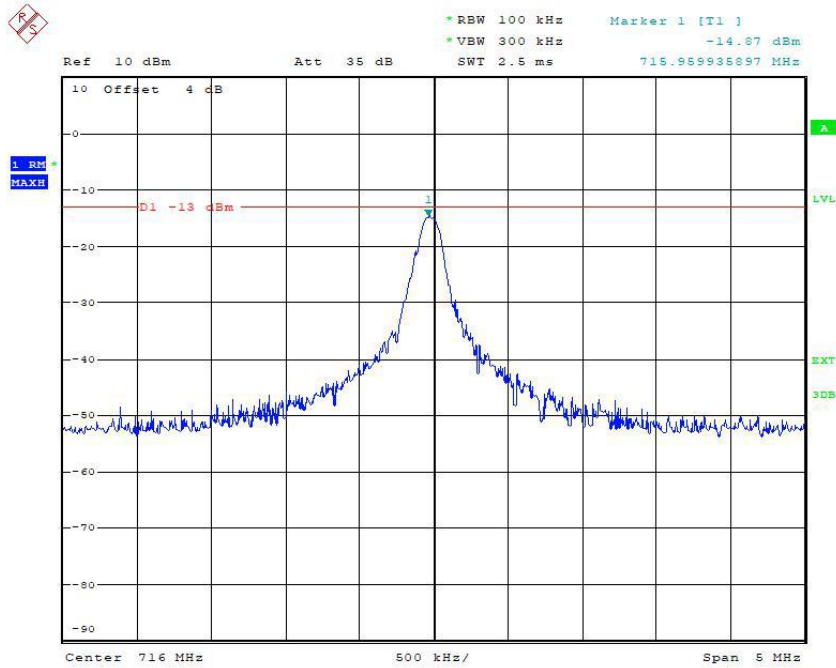


High Channel, Subcarrier (3.75kHz), QPSK, 1@47

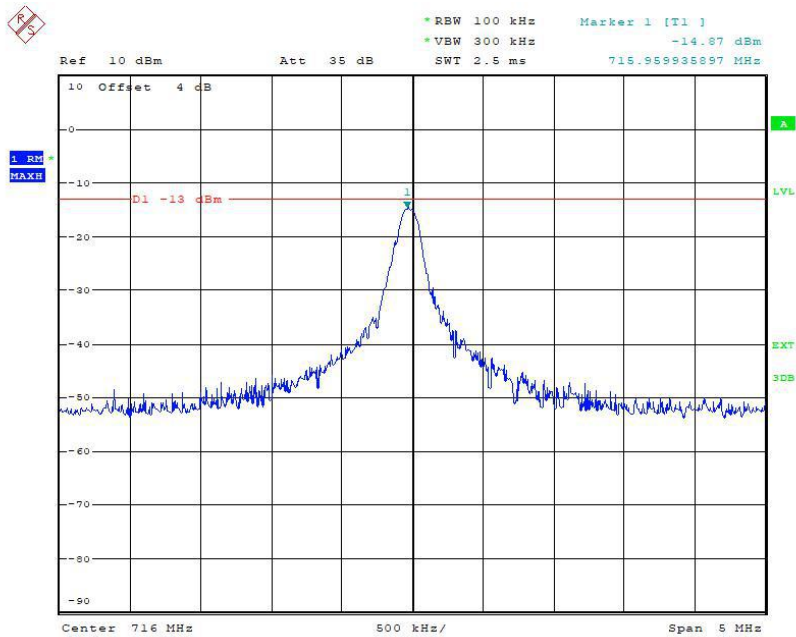
Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1



High Channel, Subcarrier (3.75kHz), BPSK, 1@47

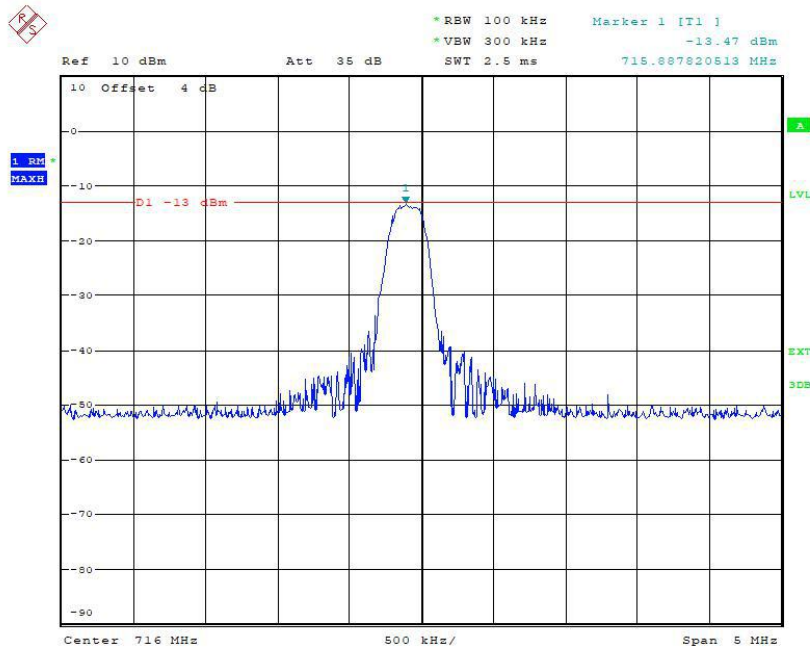


High Channel, Subcarrier (15kHz), QPSK, 1@11

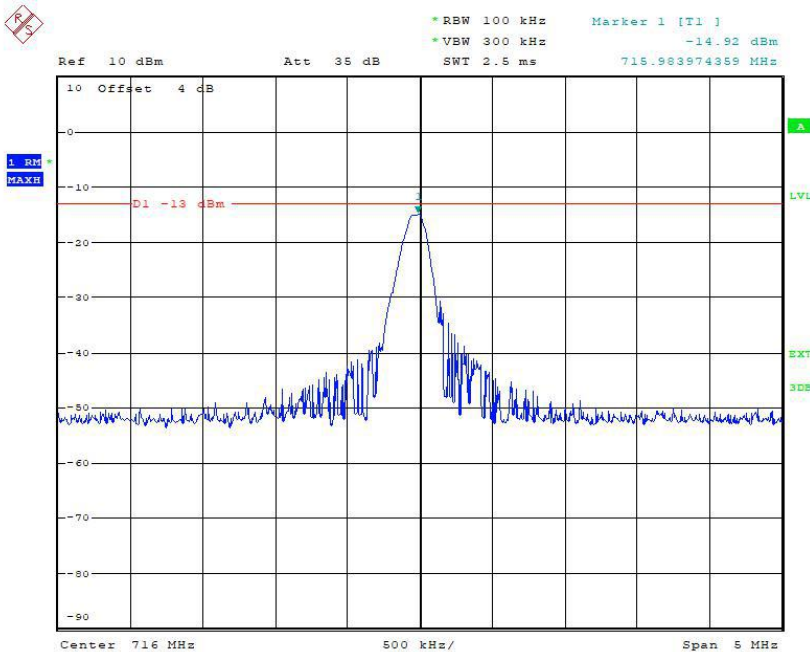
Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1



High Channel, Subcarrier (15kHz), QPSK, 12@0

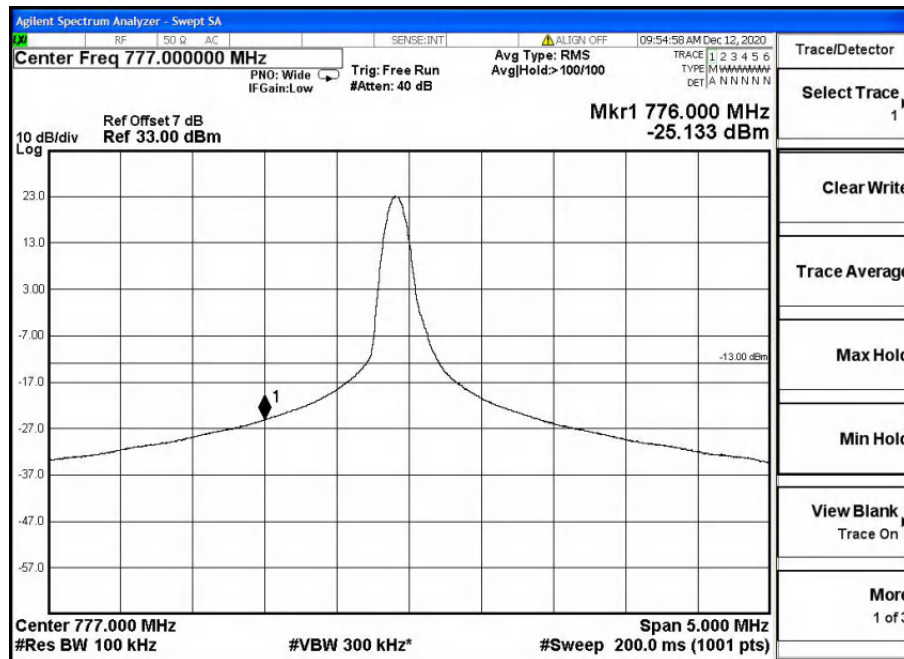


High Channel, Subcarrier (15kHz), BPSK, 1@11

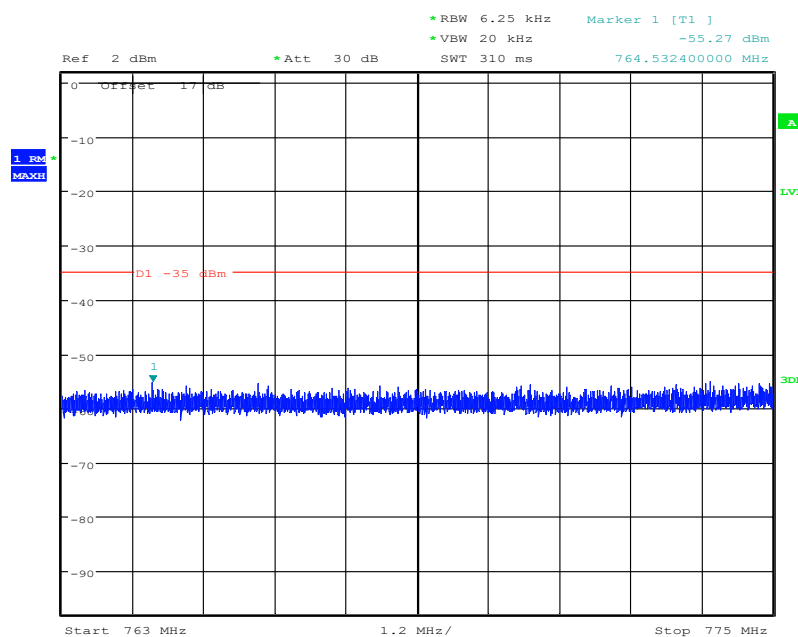
Chongqing Academy of Information and Communication Technology

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

5.5.6 NB-IoT Band 13 Edge Results



Low Channel, Subcarrier (3.75kHz), QPSK, 1@0



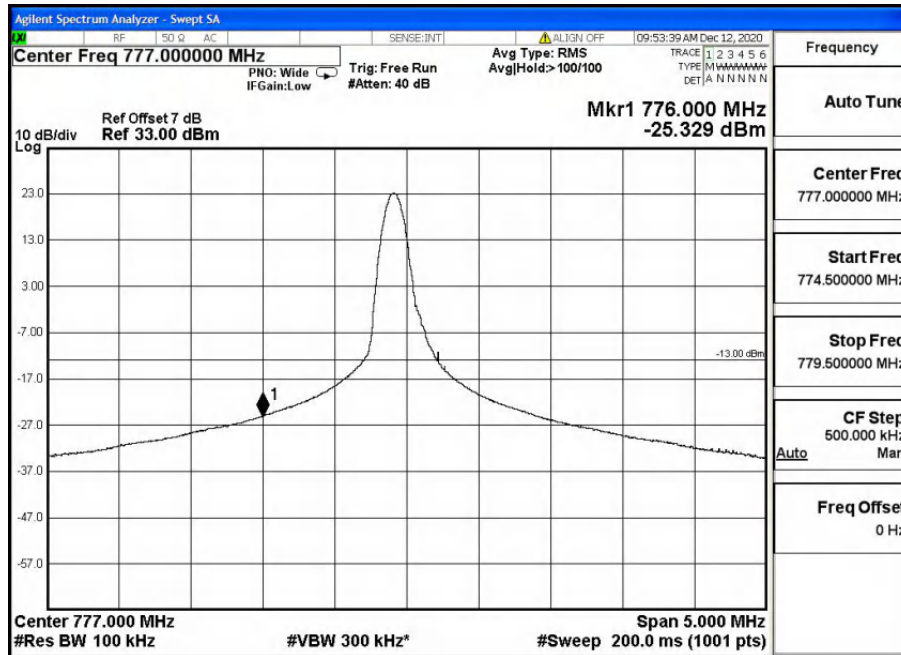
Date: 10. JAN. 2021 13:44:31

Low Channel, Subcarrier (3.75kHz), QPSK, 1@0

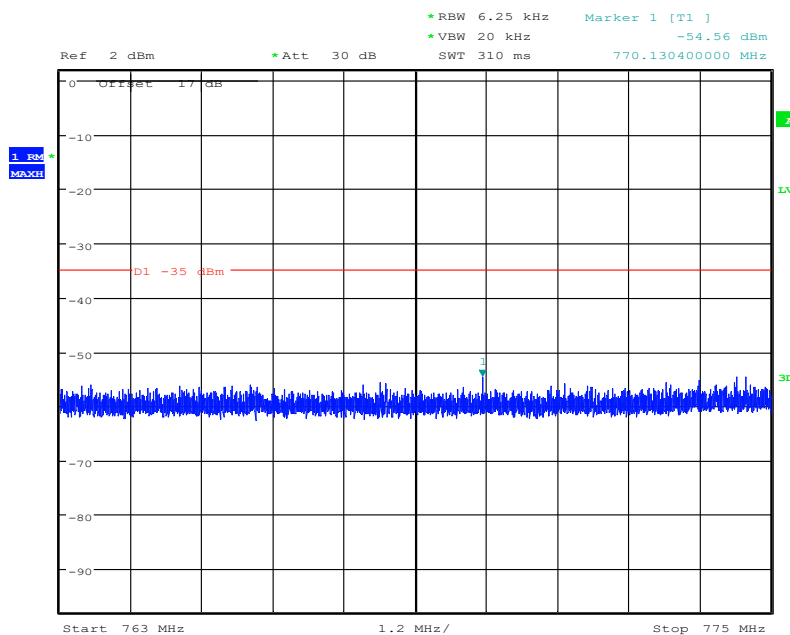
Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1



Low Channel, Subcarrier (3.75kHz), BPSK, 1@0



Date: 10.JAN.2021 13:45:31

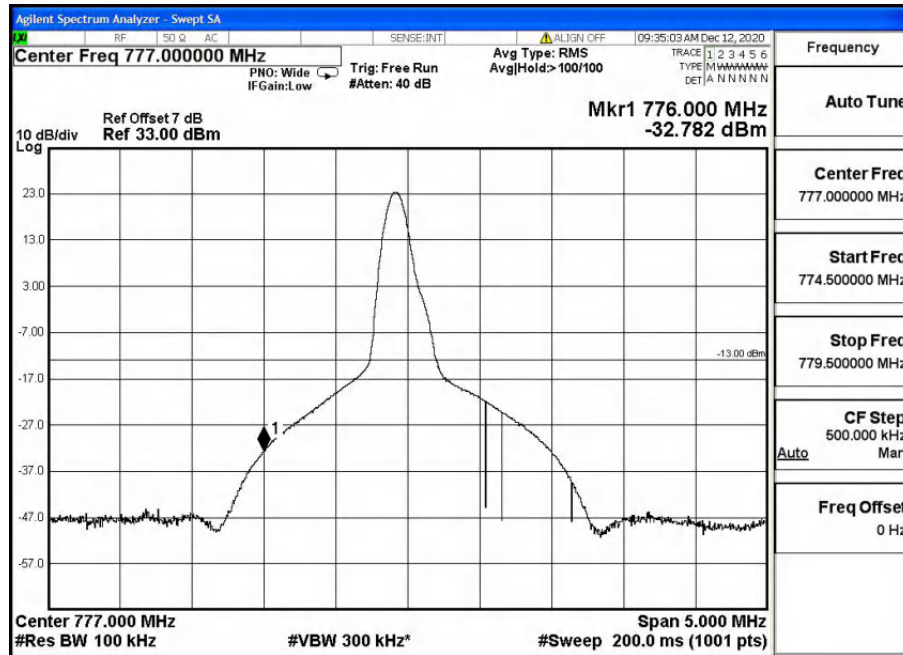
Low Channel, Subcarrier (3.75kHz), BPSK, 1@0

Chongqing Academy of Information and Communication Technology

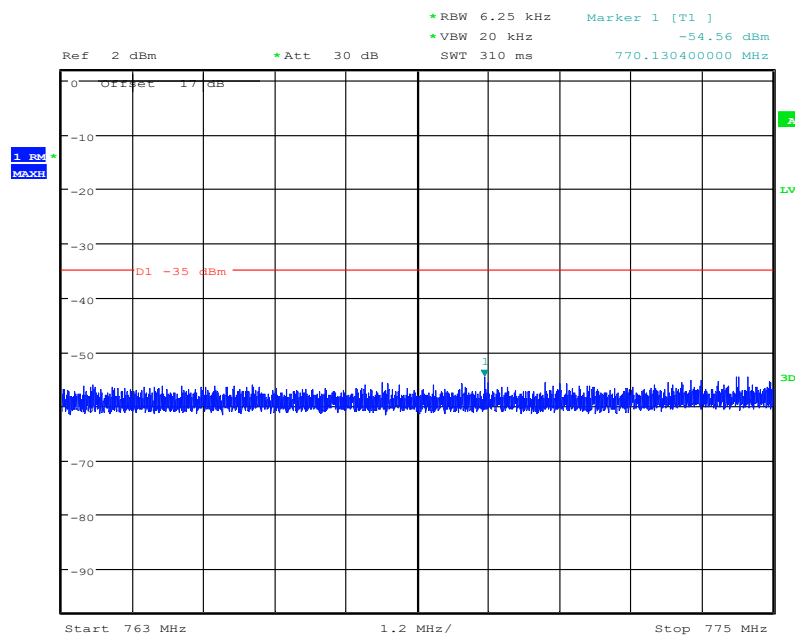
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965

FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Low Channel, Subcarrier (15kHz), QPSK, 1@0



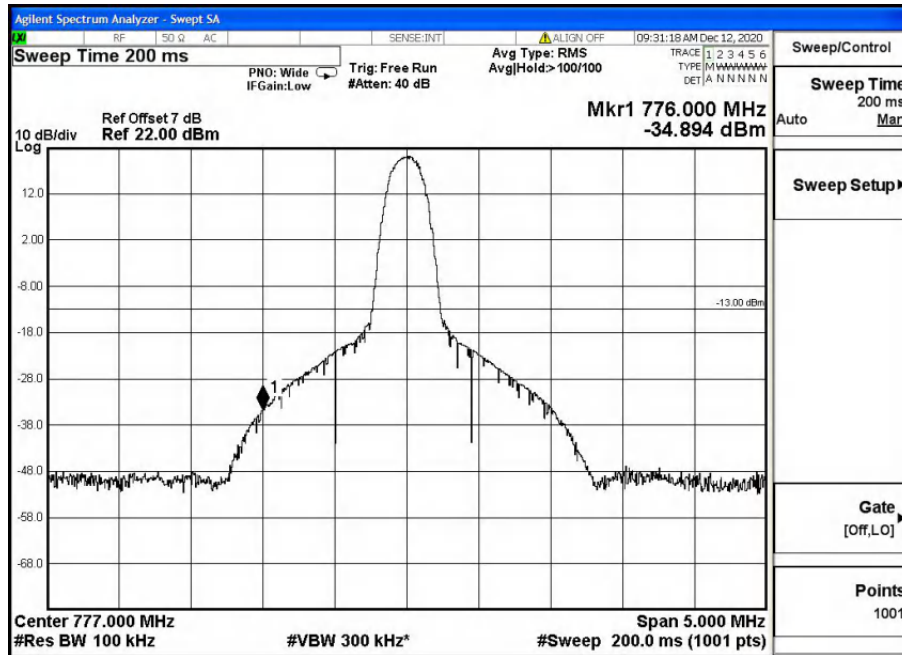
Date: 10.JAN.2021 13:46:23

Low Channel, Subcarrier (15kHz), QPSK, 1@0

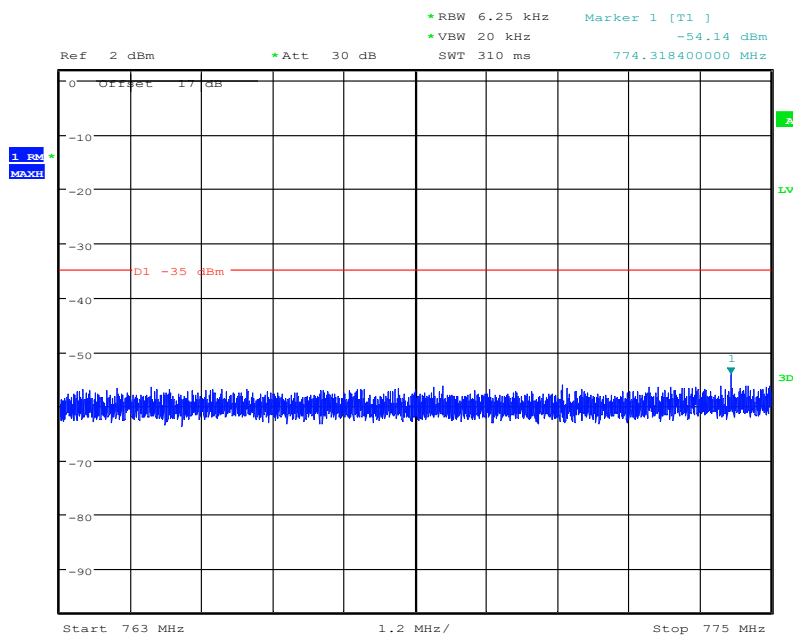
Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1



Low Channel, Subcarrier (15kHz), QPSK, 12@0



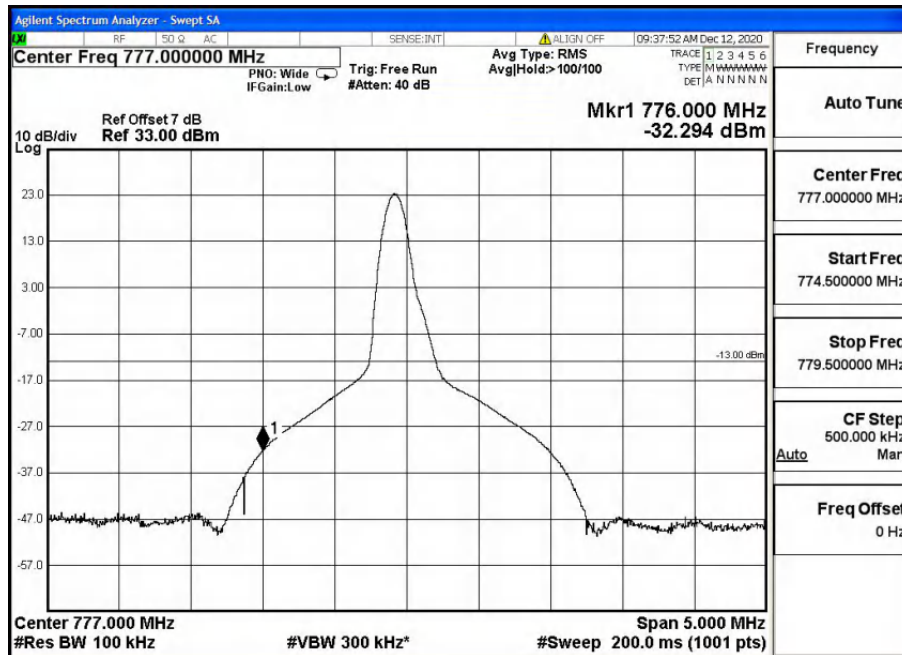
Date: 10.JAN.2021 13:47:00

Low Channel, Subcarrier (15kHz), QPSK, 12@0

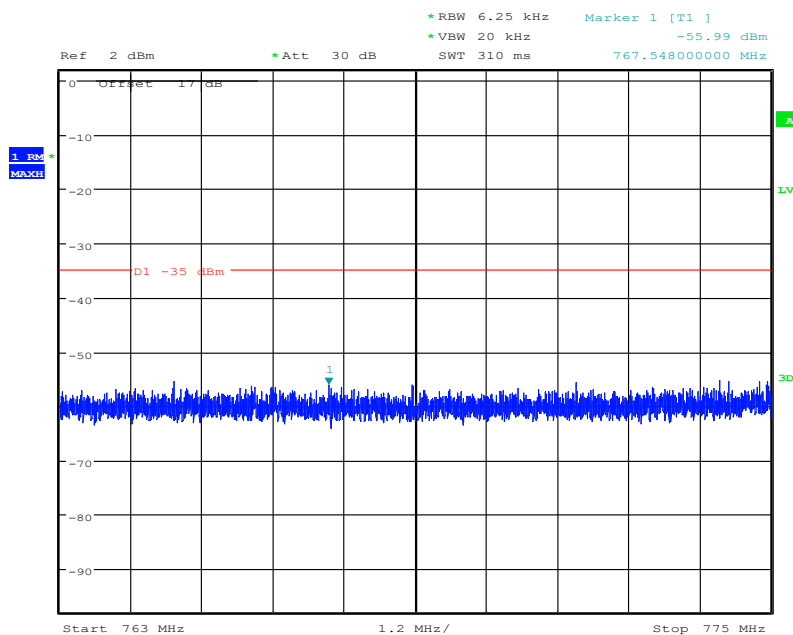
Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1



Low Channel, Subcarrier (15kHz), BPSK, 1@0



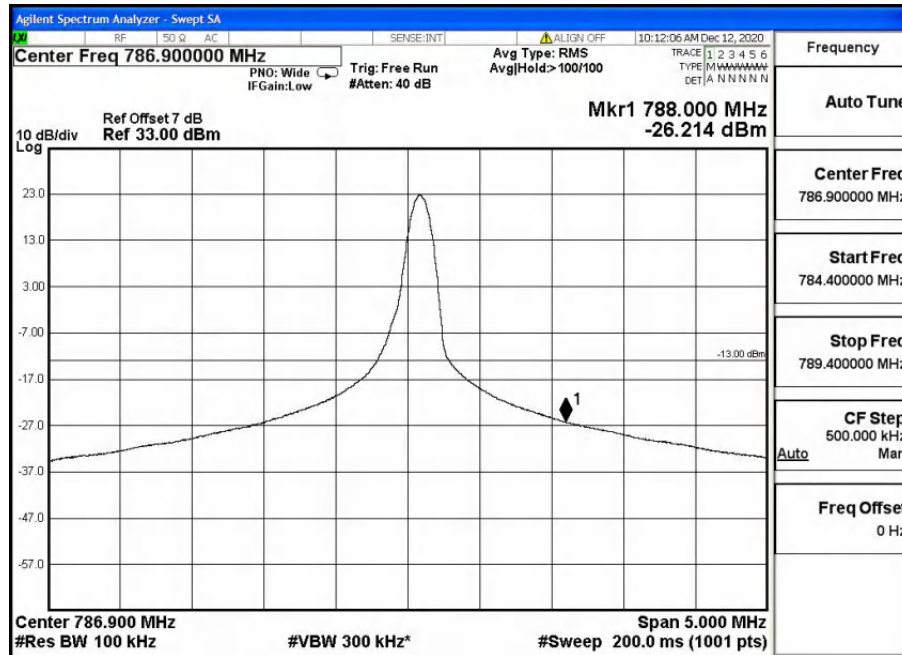
Date: 10.JAN.2021 13:47:35

Low Channel, Subcarrier (15kHz), BPSK, 1@0

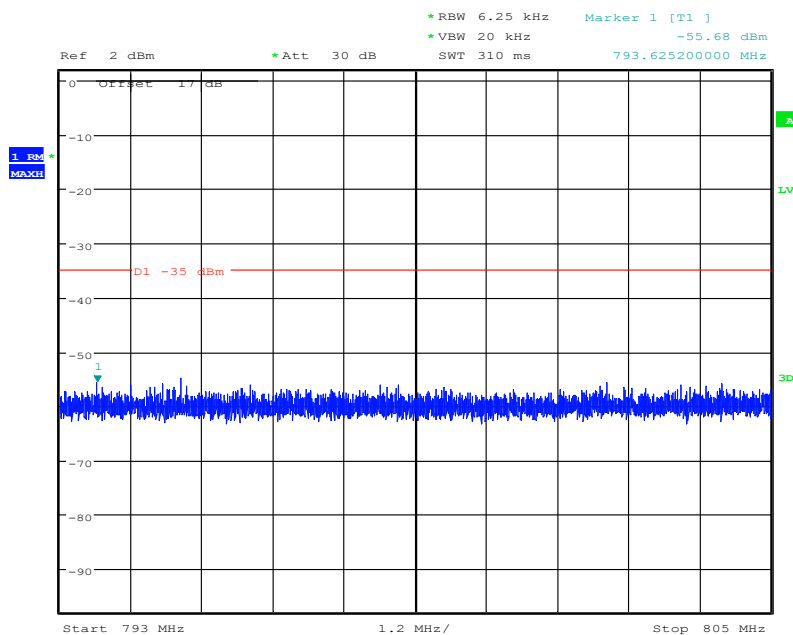
Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1



High Channel, Subcarrier (3.75kHz), QPSK, 1@47



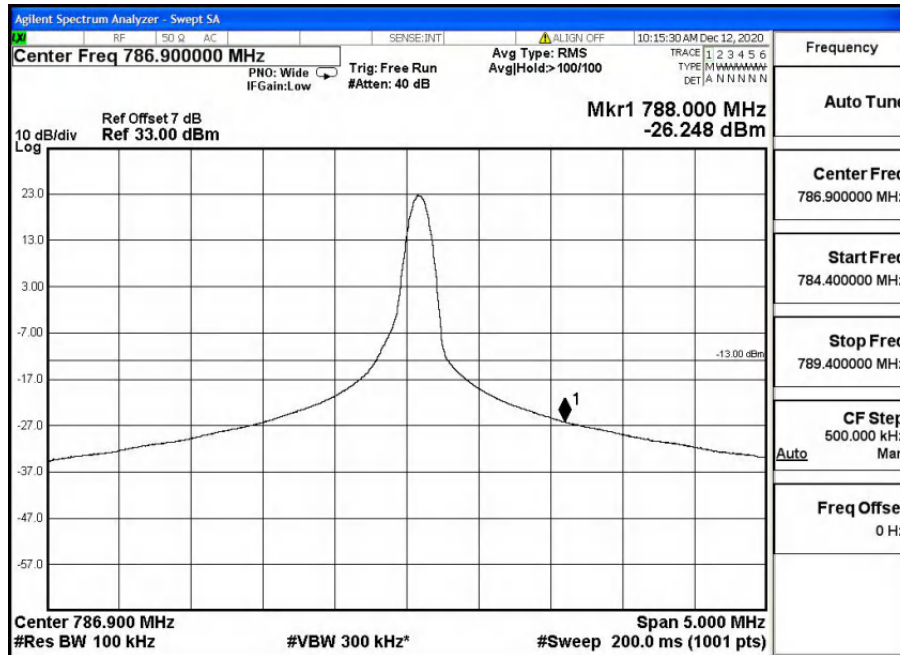
Date: 10.JAN.2021 13:49:22

High Channel, Subcarrier (3.75kHz), QPSK, 1@47

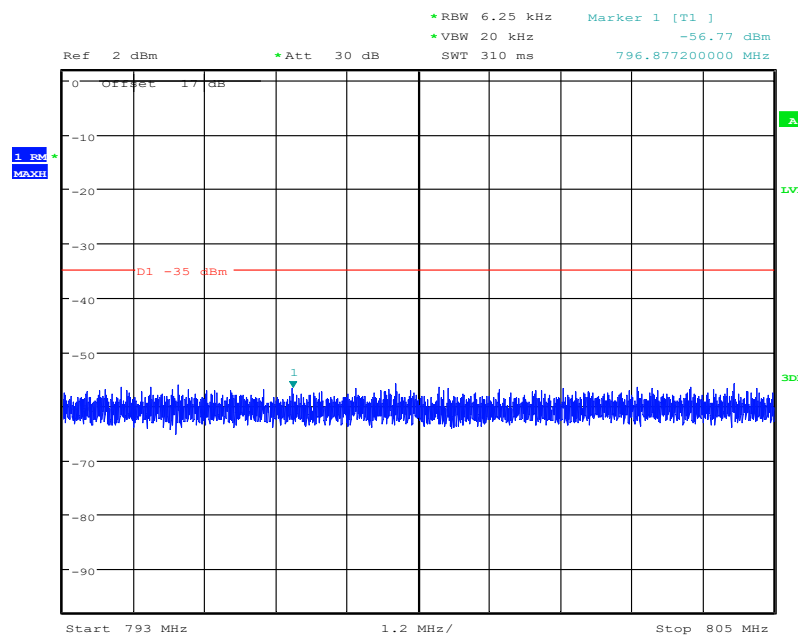
Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1



High Channel, Subcarrier (3.75kHz), BPSK, 1@47



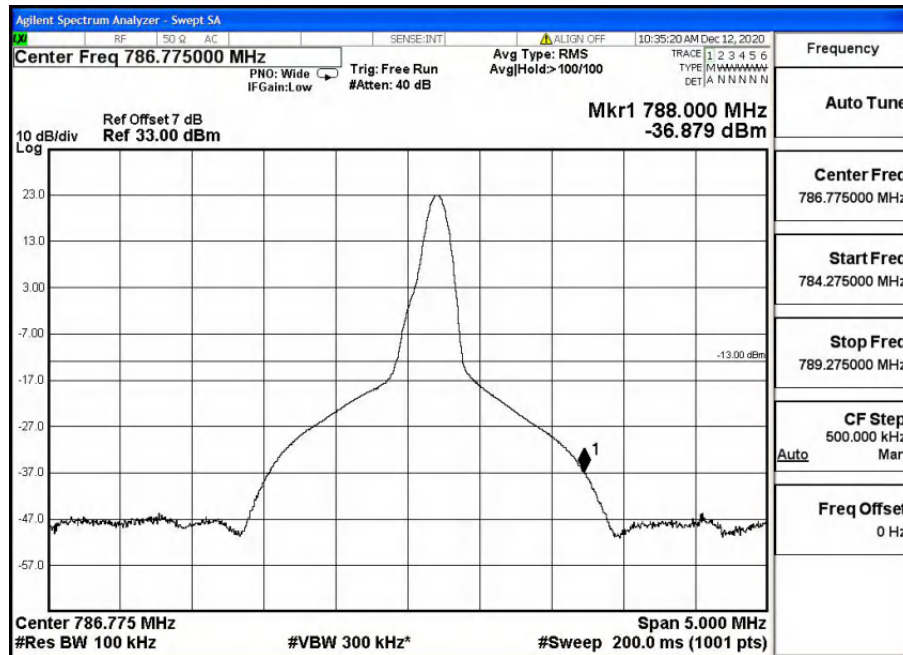
Date: 10.JAN.2021 13:49:48

High Channel, Subcarrier (3.75kHz), BPSK, 1@47

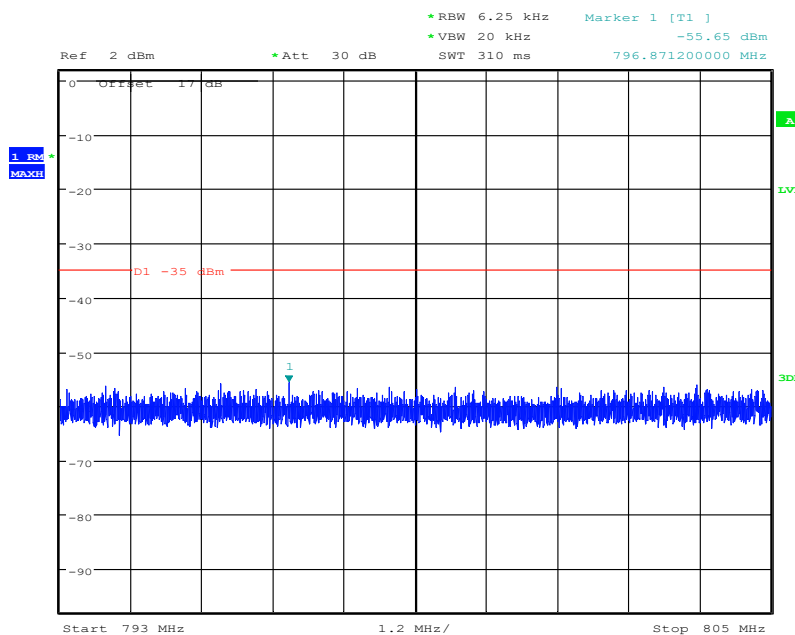
Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1



High Channel, Subcarrier (15kHz), QPSK, 1@11



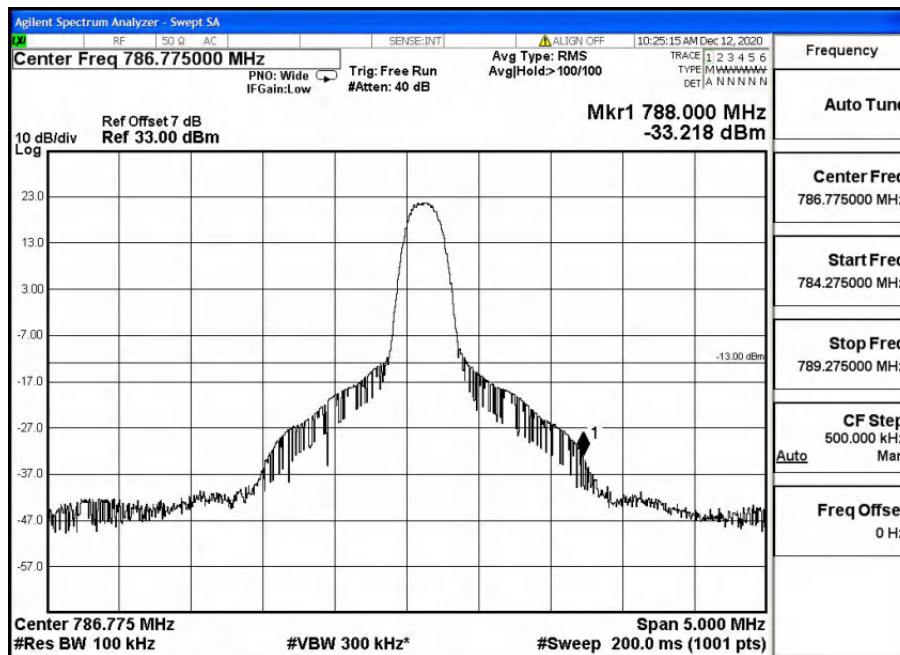
Date: 10.JAN.2021 13:50:10

High Channel, Subcarrier (15kHz), QPSK, 1@11

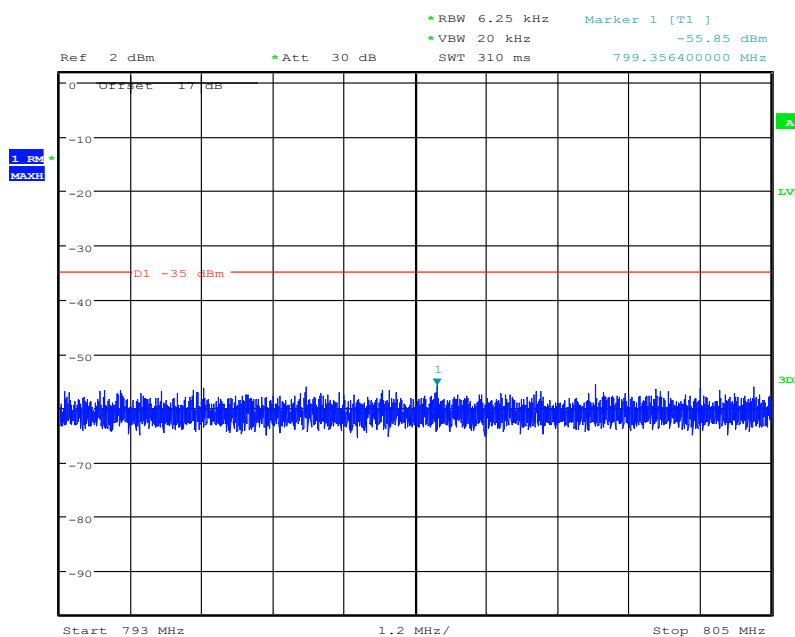
Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1



High Channel, Subcarrier (15kHz), QPSK, 12@0



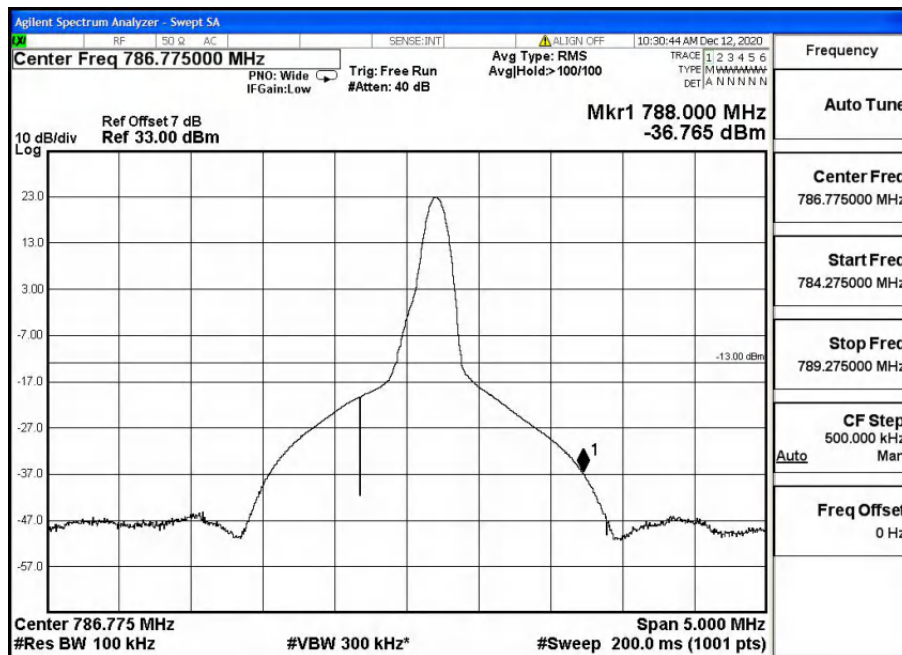
Date: 10.JAN.2021 13:50:32

High Channel, Subcarrier (15kHz), QPSK, 12@0

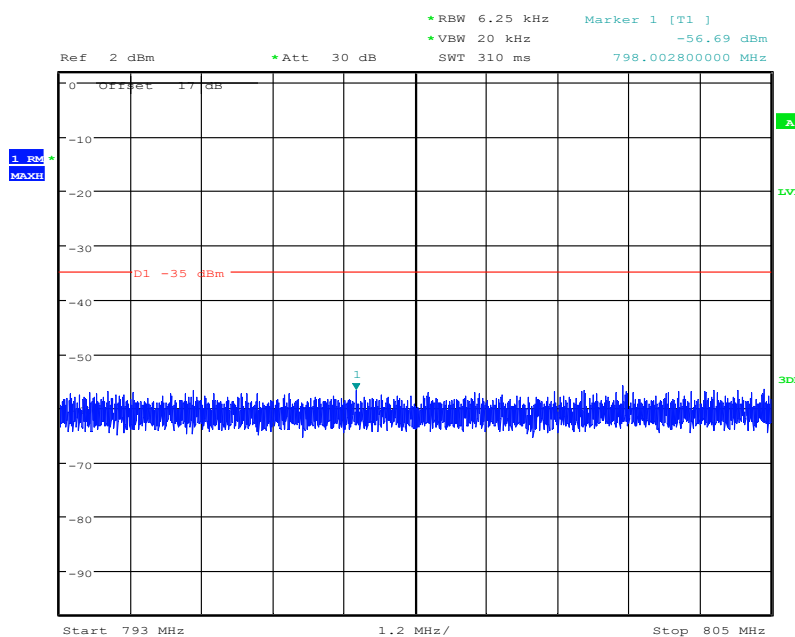
Chongqing Academy of Information and Communication Technology

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

Report No.: I20W00023-WWAN_Rev1



High Channel, Subcarrier (15kHz), BPSK, 1@11



Date: 10.JAN.2021 13:51:14

High Channel, Subcarrier (15kHz), BPSK, 1@11

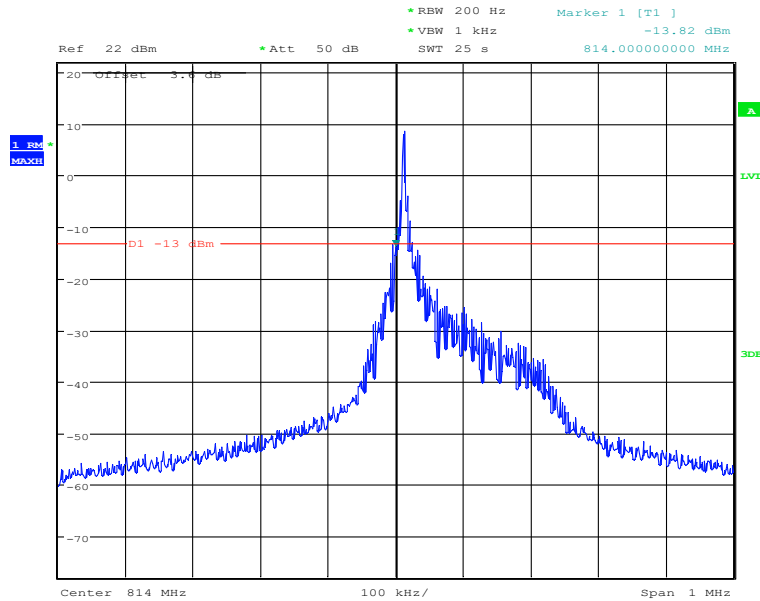
Chongqing Academy of Information and Communication Technology

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

FAX:0086-23-88608777

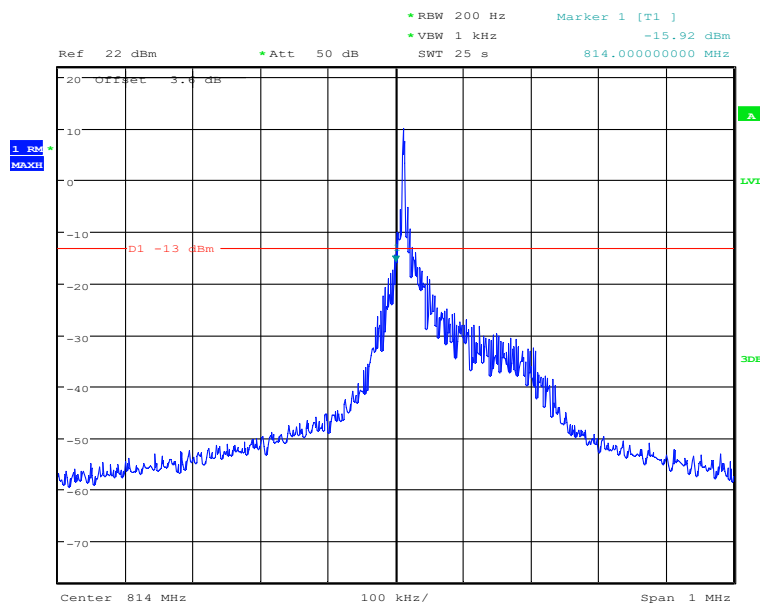
Report No.: I20W00023-WWAN_Rev1

5.5.7 NB-IoT Band26 Edge Results (814MHz-824MHz)



Date: 28.DEC.2020 14:38:50

Low Channel, Subcarrier (3.75kHz), QPSK, 1@0



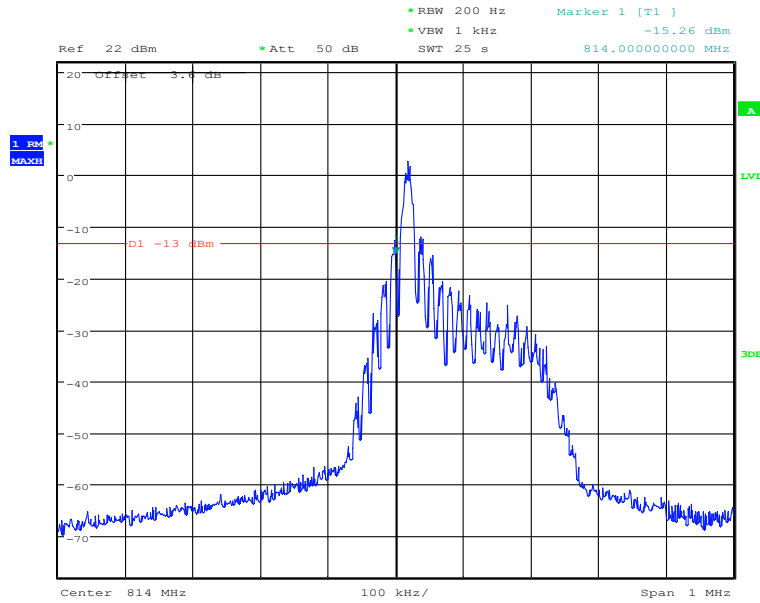
Date: 28.DEC.2020 14:41:20

Low Channel, Subcarrier (3.75kHz), BPSK, 1@0

Chongqing Academy of Information and Communication Technology

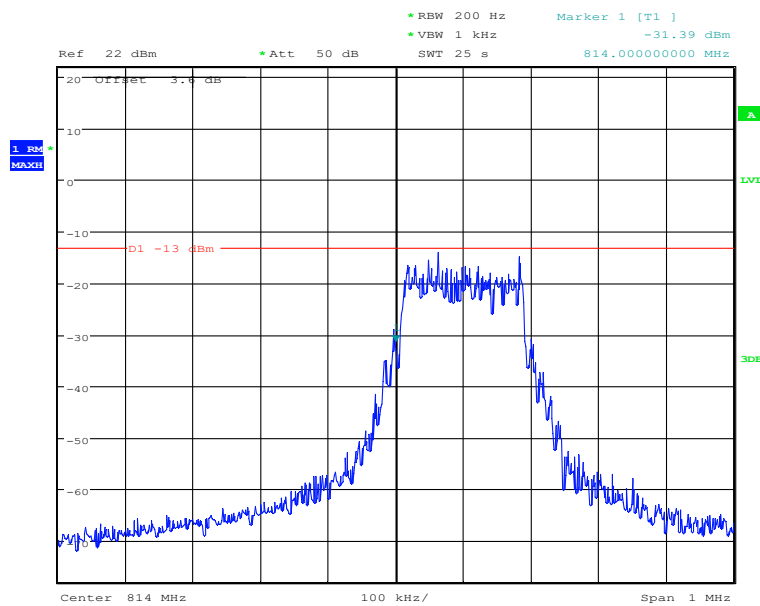
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 28.DEC.2020 14:43:48

Low Channel, Subcarrier (15kHz), QPSK, 1@0



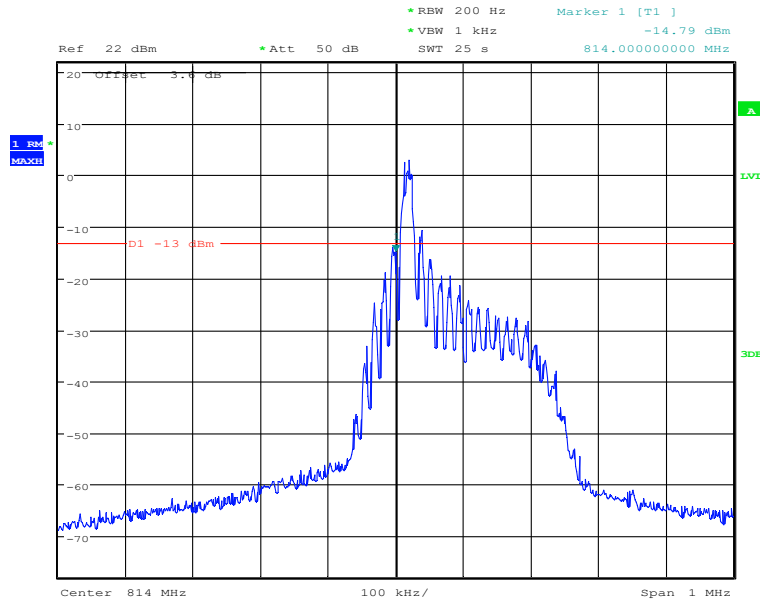
Date: 28.DEC.2020 14:44:57

Low Channel, Subcarrier (15kHz), QPSK, 12@0

Chongqing Academy of Information and Communication Technology

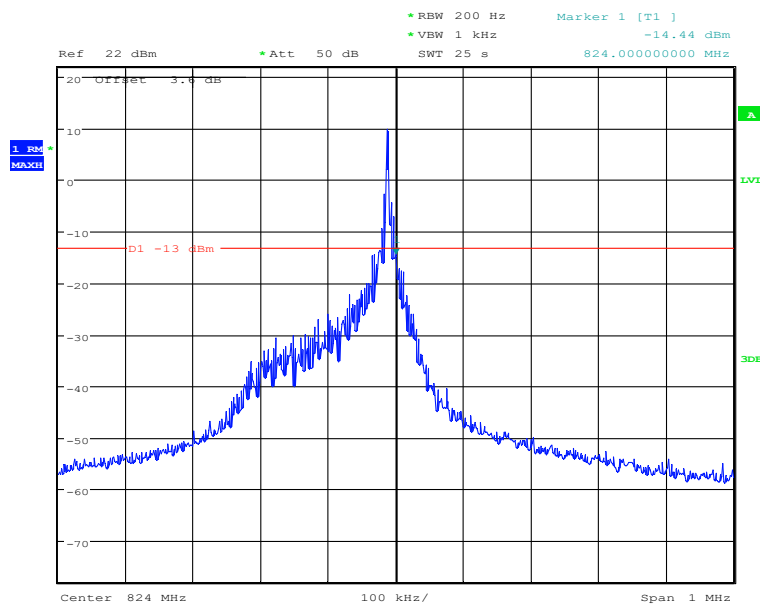
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 28.DEC.2020 14:46:57

Low Channel, Subcarrier (15kHz), BPSK, 1@0



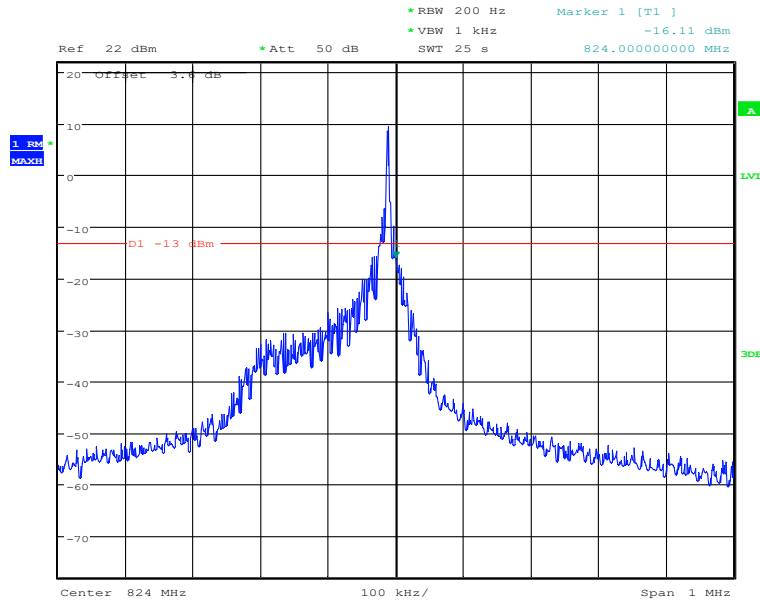
Date: 28.DEC.2020 14:51:58

High Channel, Subcarrier (3.75kHz), QPSK, 1@47

Chongqing Academy of Information and Communication Technology

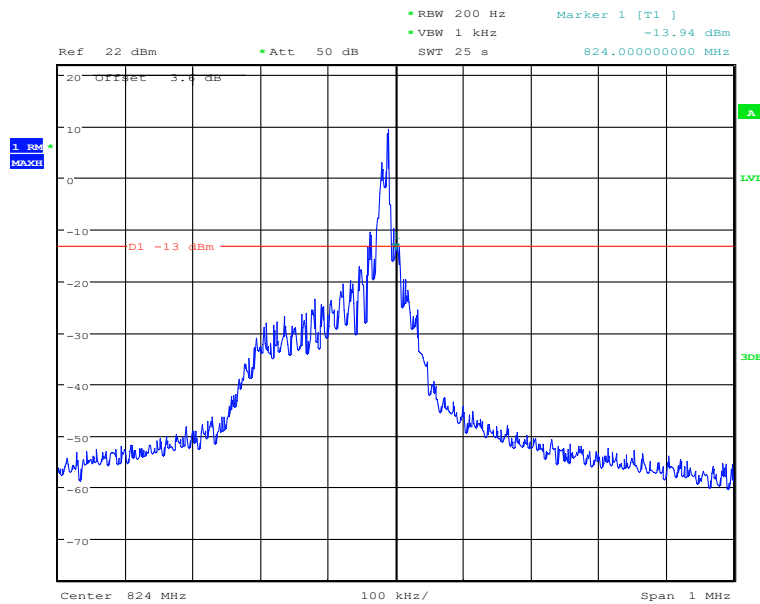
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 28.DEC.2020 14:53:48

High Channel, Subcarrier (3.75kHz), BPSK, 1@47



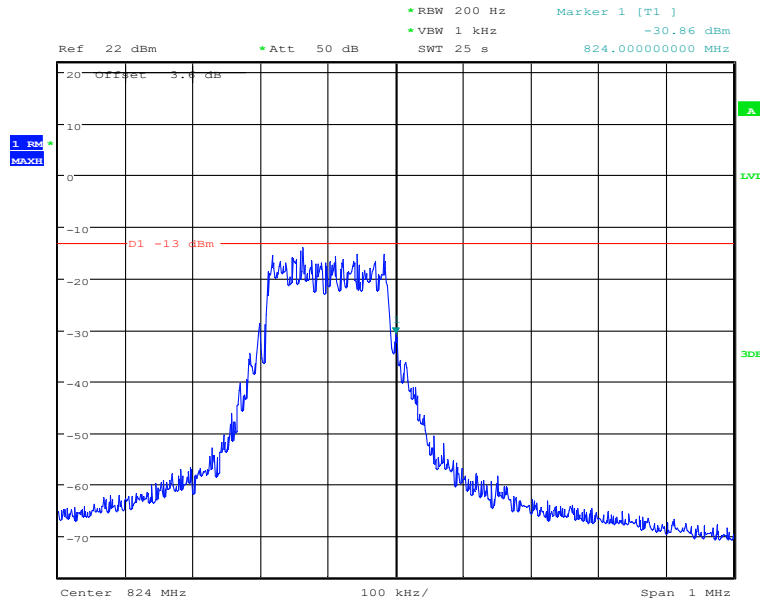
Date: 28.DEC.2020 14:56:22

High Channel, Subcarrier (15kHz), QPSK, 1@11

Chongqing Academy of Information and Communication Technology

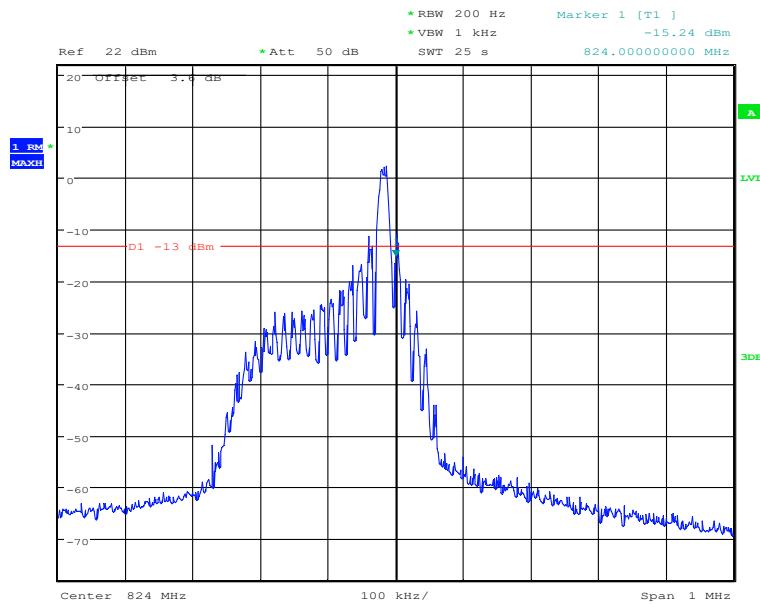
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 28.DEC.2020 14:58:39

High Channel, Subcarrier (15kHz), QPSK, 12@0



Date: 28.DEC.2020 15:00:42

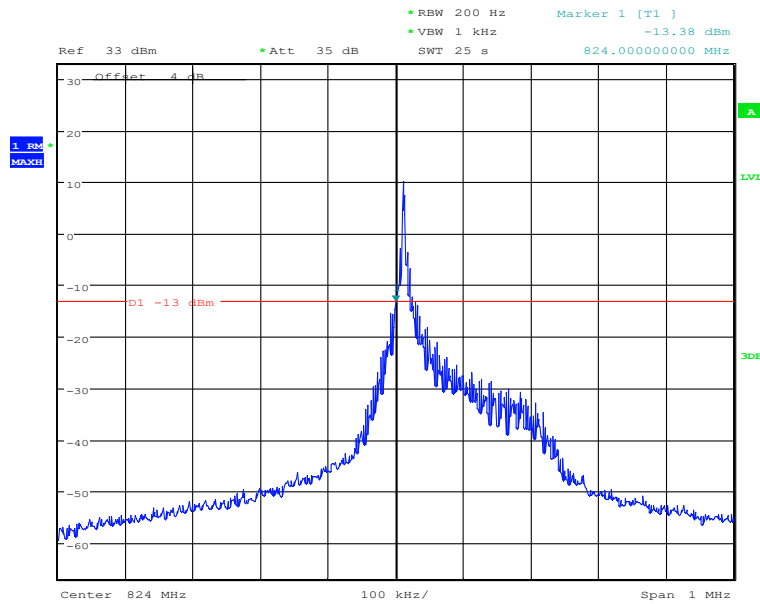
High Channel, Subcarrier (15kHz), BPSK, 1@11

Chongqing Academy of Information and Communication Technology

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

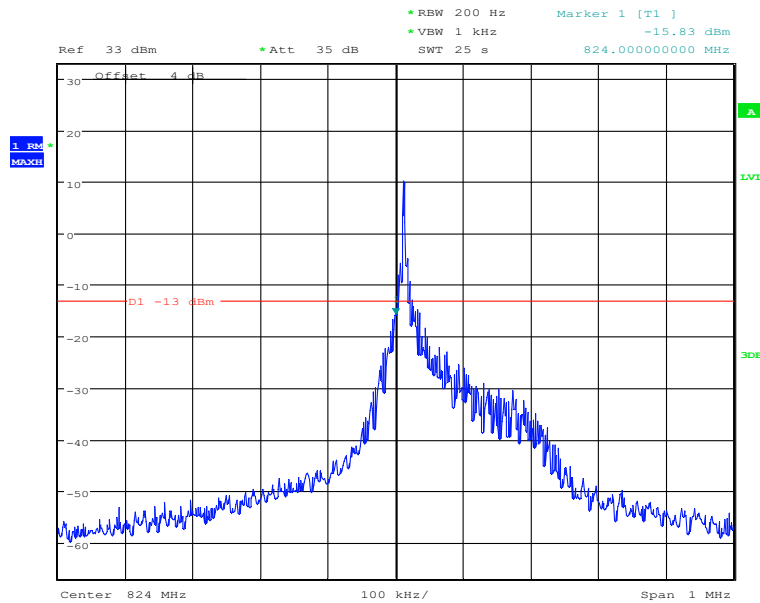
Report No.: I20W00023-WWAN_Rev1

(824MHz-849MHz)



Date: 29.DEC.2020 08:22:51

Low Channel, Subcarrier (3.75kHz), QPSK, 1@0



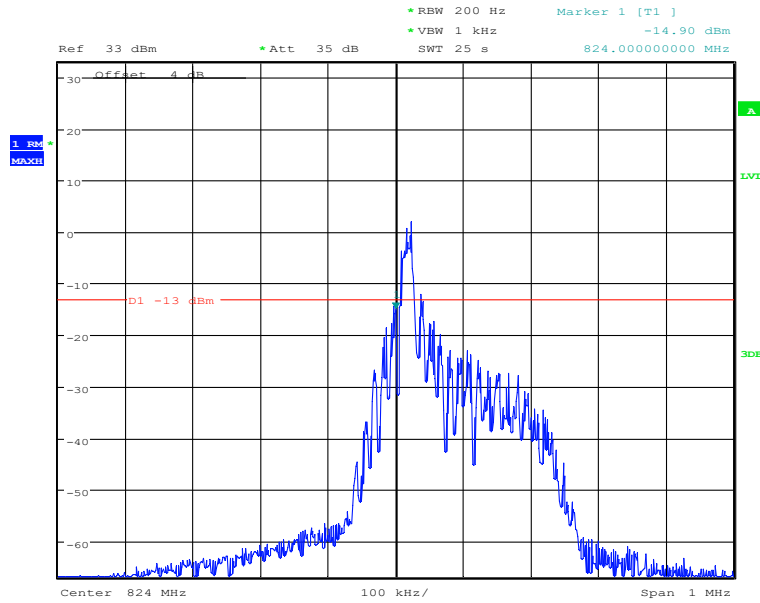
Date: 29.DEC.2020 08:24:06

Low Channel, Subcarrier (3.75kHz), BPSK, 1@0

Chongqing Academy of Information and Communication Technology

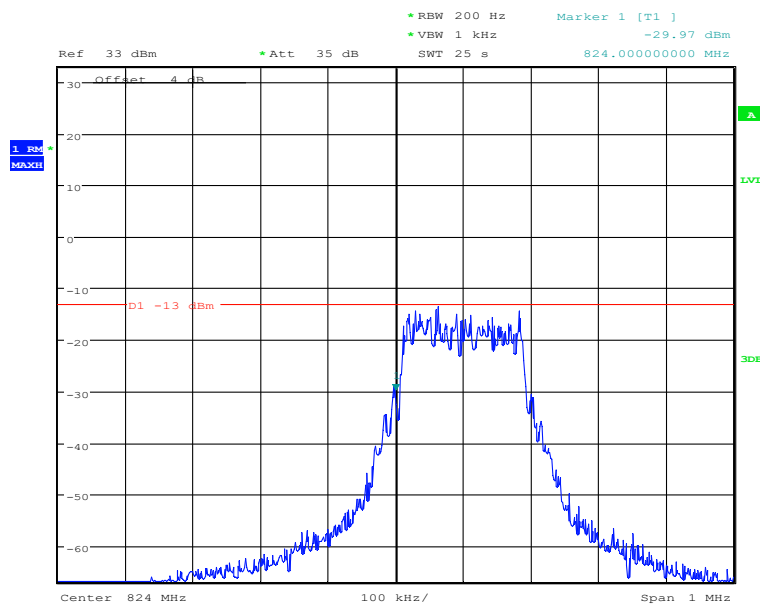
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 29.DEC.2020 08:29:18

Low Channel, Subcarrier (15kHz), QPSK, 1@0



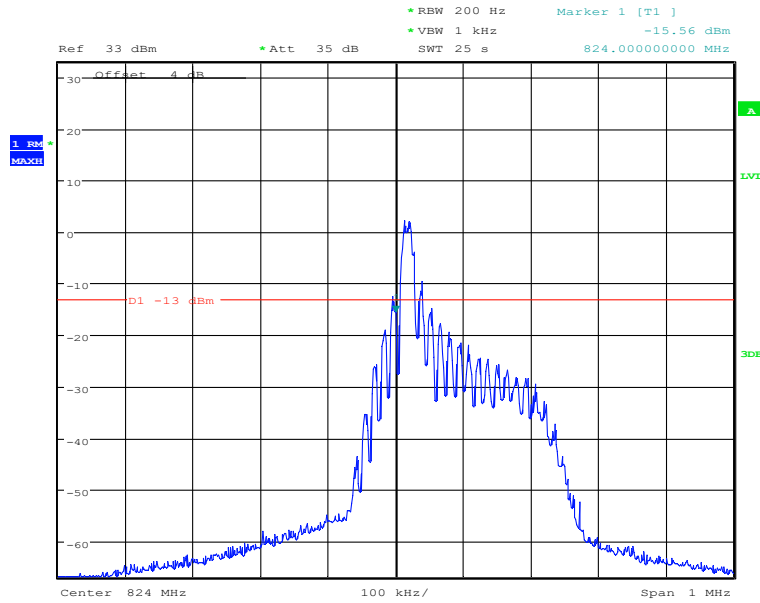
Date: 29.DEC.2020 08:32:38

Low Channel, Subcarrier (15kHz), QPSK, 12@0

Chongqing Academy of Information and Communication Technology

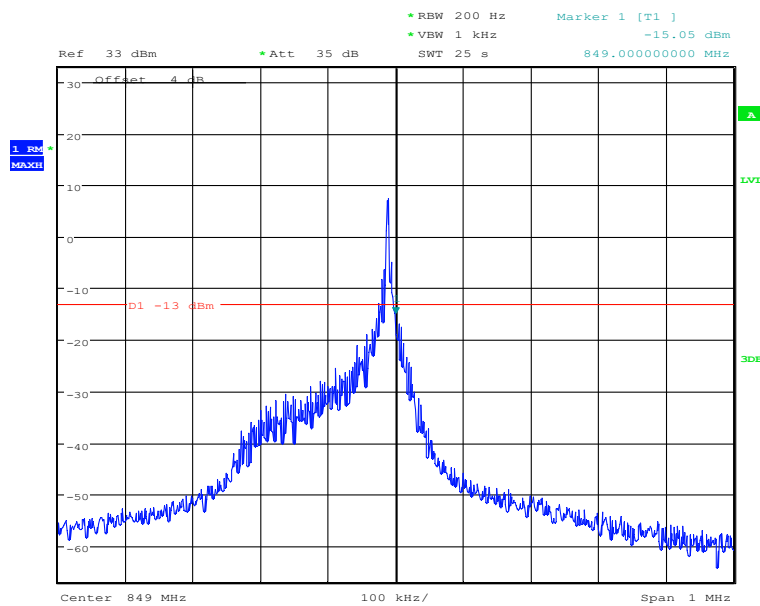
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 29.DEC.2020 08:43:12

Low Channel, Subcarrier (15kHz), BPSK, 1@0



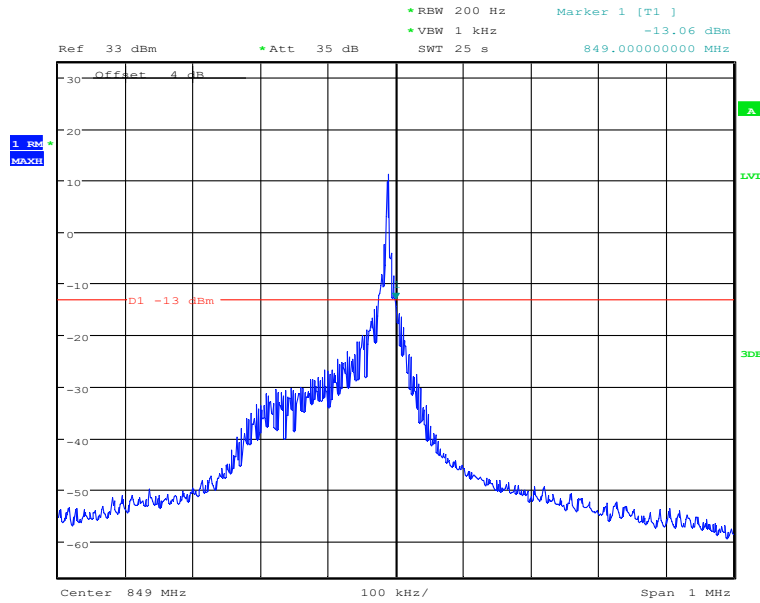
Date: 29.DEC.2020 08:55:37

High Channel, Subcarrier (3.75kHz), QPSK, 1@47

Chongqing Academy of Information and Communication Technology

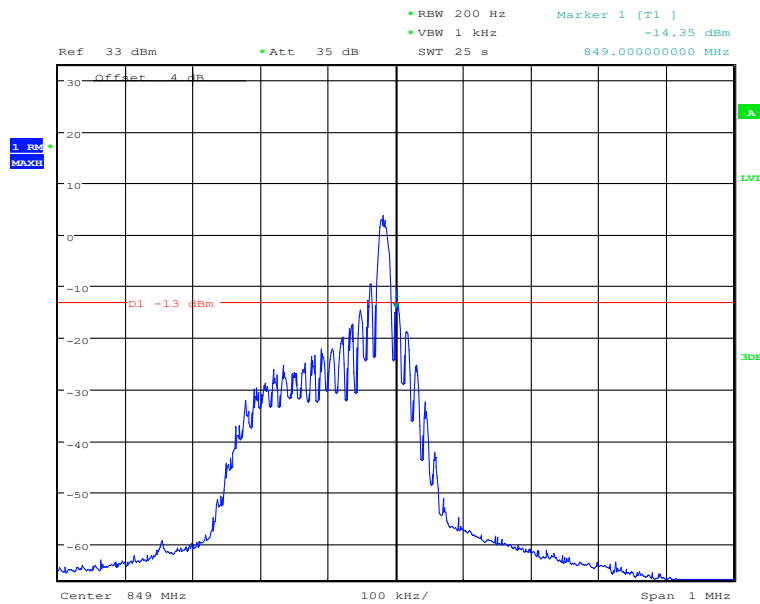
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 29.DEC.2020 09:03:32

High Channel, Subcarrier (3.75kHz), BPSK, 1@47



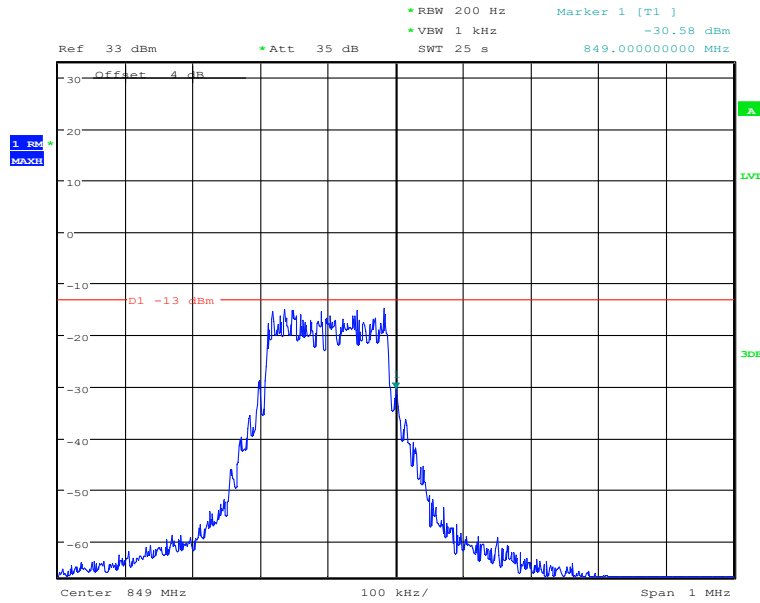
Date: 29.DEC.2020 09:20:06

High Channel, Subcarrier (15kHz), QPSK, 1@11

Chongqing Academy of Information and Communication Technology

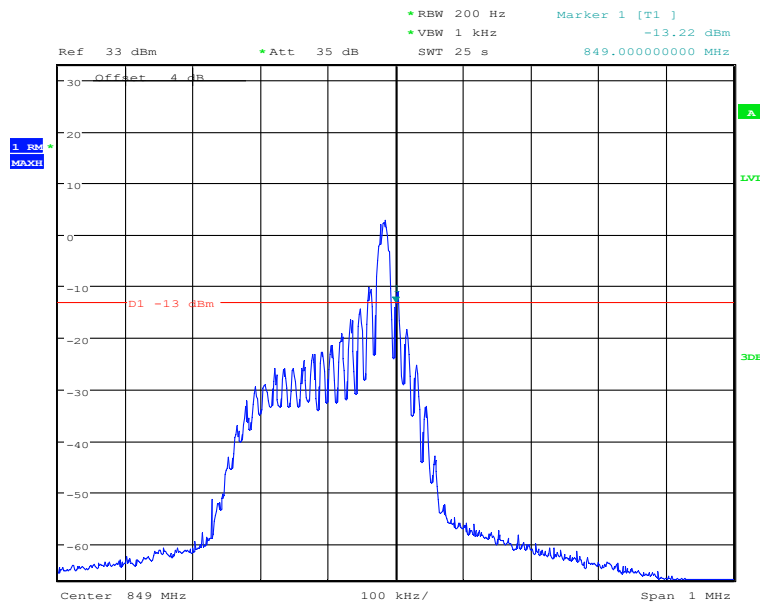
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 29.DEC.2020 09:23:16

High Channel, Subcarrier (15kHz), QPSK, 12@0



Date: 29.DEC.2020 09:32:28

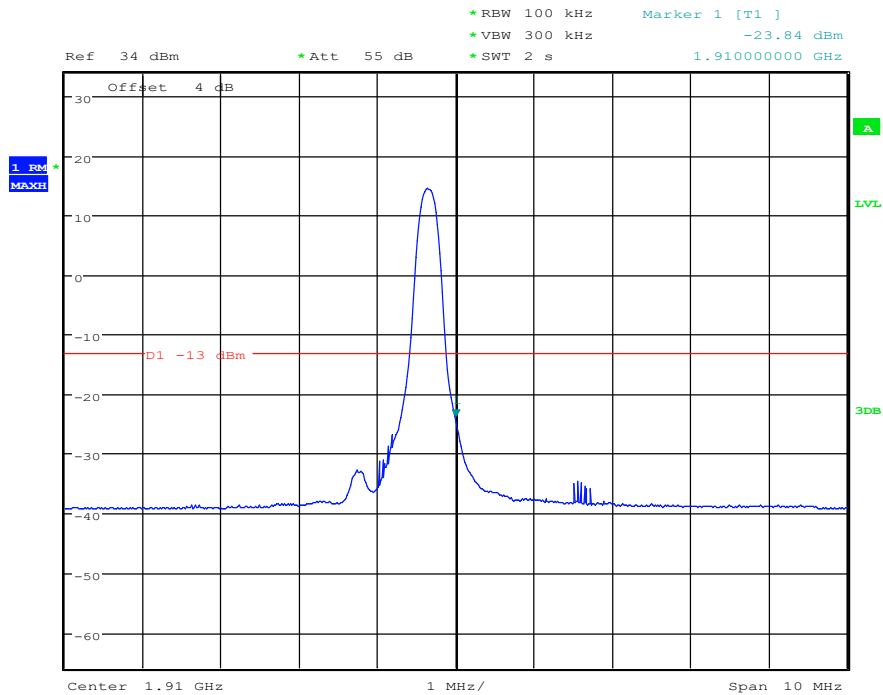
High Channel, Subcarrier (15kHz), BPSK, 1@11

Chongqing Academy of Information and Communication Technology

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

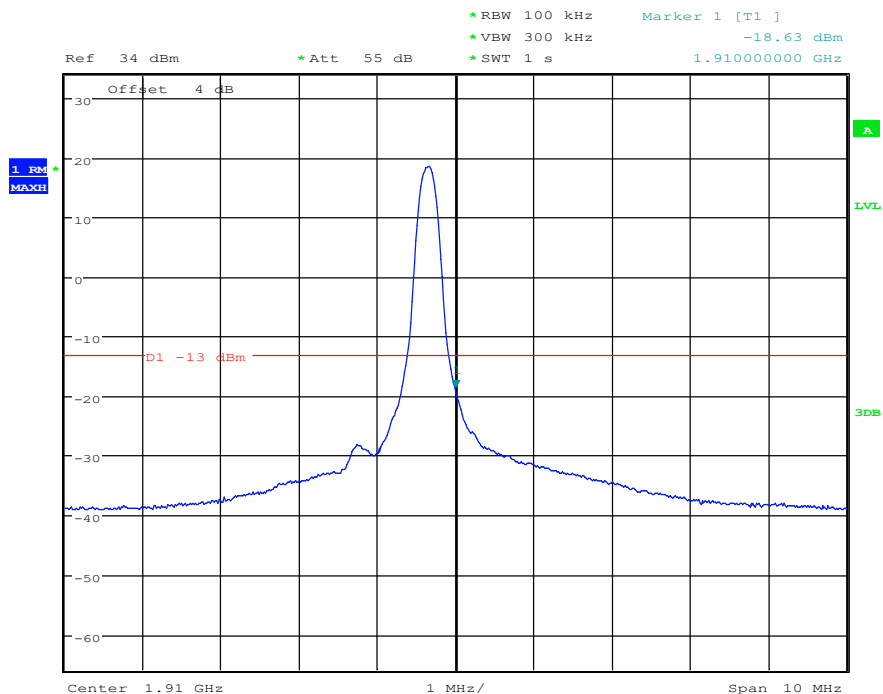
Report No.: I20W00023-WWAN_Rev1

5.5.8 CAT-M Band2 Edge Results



Date: 27.DEC.2020 04:42:56

Band2-High Channel-1.4MHz Bandwidth-1RB-16QAM



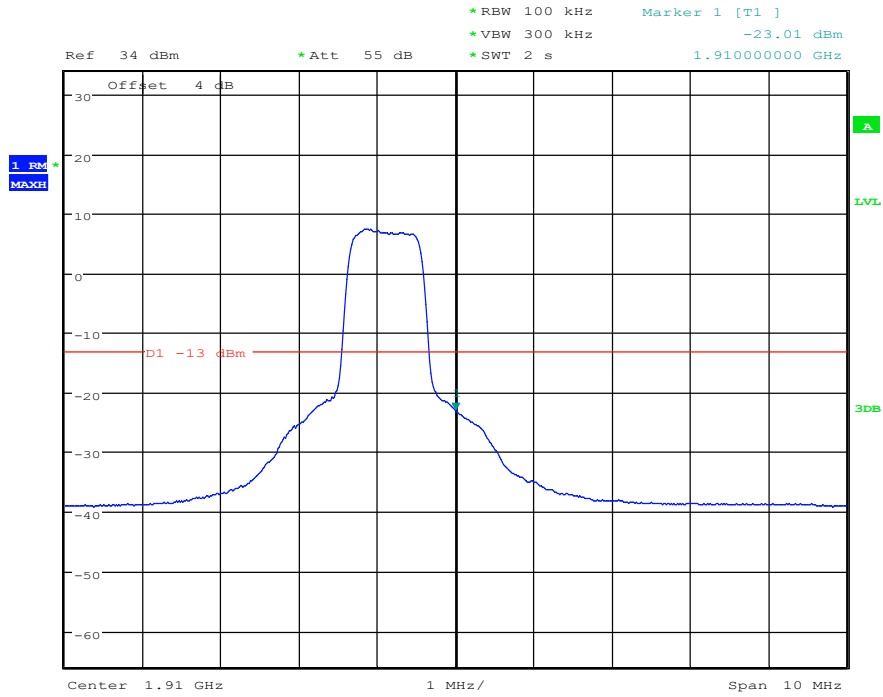
Date: 27.DEC.2020 05:08:20

Band2-High Channel-1.4MHz Bandwidth-1RB-QPSK

Chongqing Academy of Information and Communication Technology

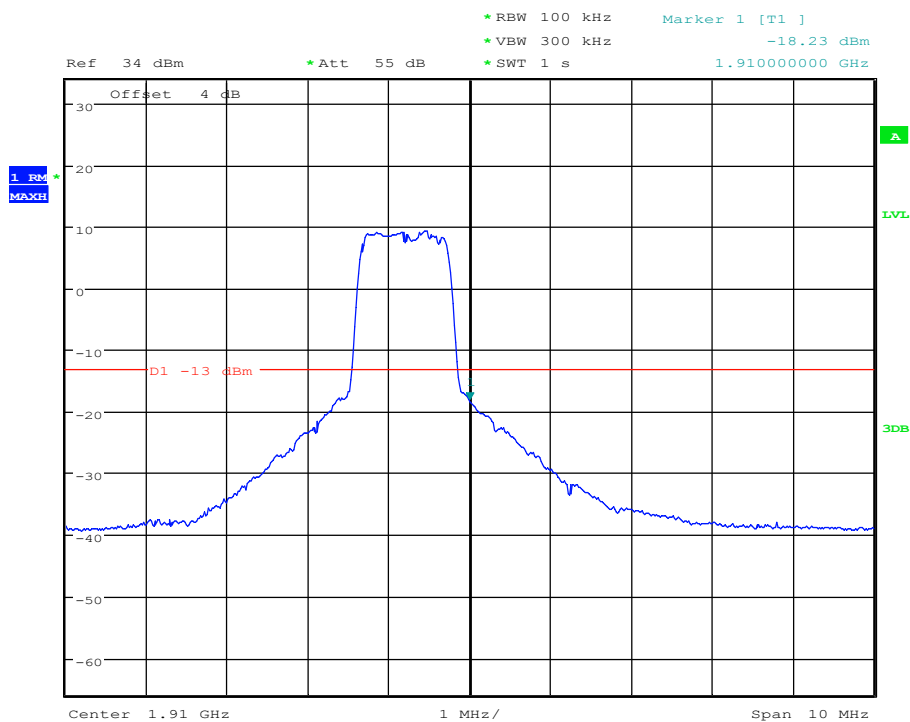
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 27.DEC.2020 05:05:26

Band2-High Channel-1.4MHz Bandwidth-6RB-16QAM



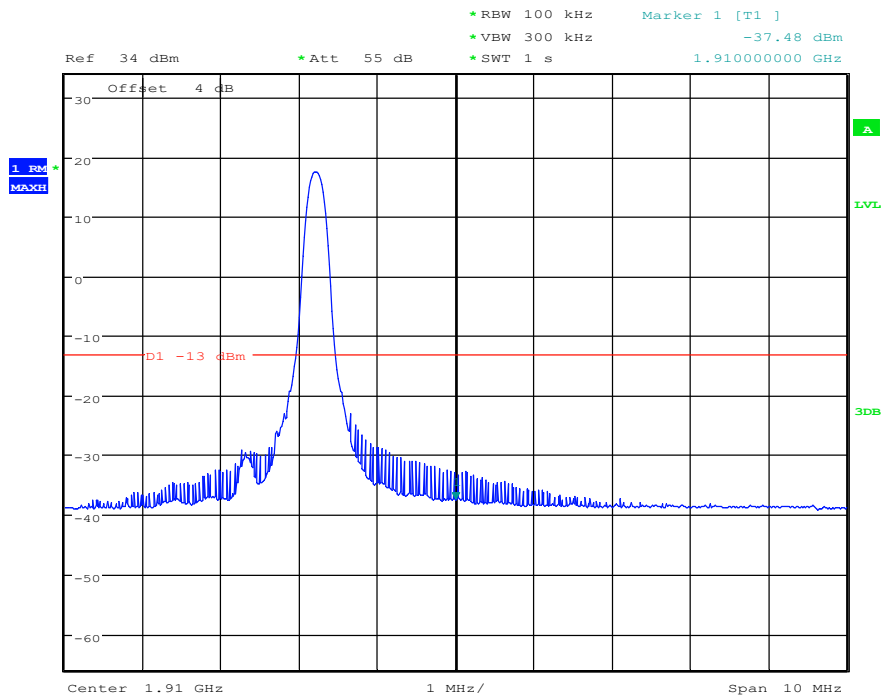
Date: 27.DEC.2020 05:06:50

Band2-High Channel-1.4MHz Bandwidth-6RB-QPSK

Chongqing Academy of Information and Communication Technology

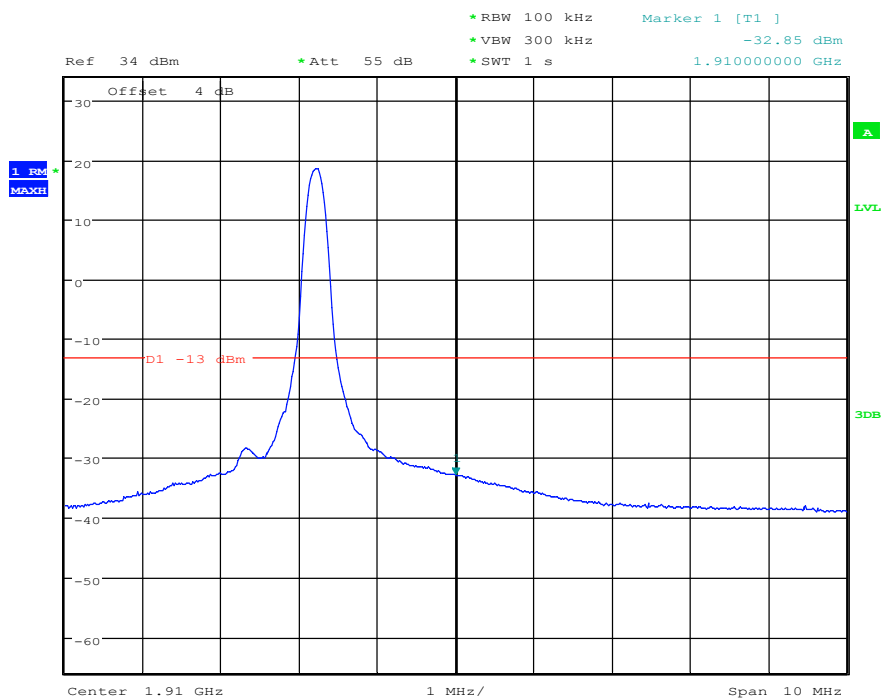
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336
 Tel: 0086-23-88069965 FAX:0086-23-88608777

Report No.: I20W00023-WWAN_Rev1



Date: 27.DEC.2020 05:24:50

Band2-High Channel-3MHz Bandwidth-1RB-16QAM



Date: 27.DEC.2020 05:28:55

Band2-High Channel-3MHz Bandwidth-1RB-QPSK

Chongqing Academy of Information and Communication Technology

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