

**47 CFR PART 22/24/27 TEST REPORT**

**for**

**Telecare Alarm System**

**Model No.: CTC-1052xxx-xxxxx Series**

**(x=0~9, A~Z or blank)**

**FCC ID: GX9CTC1052QT**

**of**

**Applicant: CLIMAX TECHNOLOGY CO., LTD.**

**Address: No. 258, Sinhu 2nd Rd., Neihu District, Taipei City 114,  
Taiwan (R.O.C.)**

**Tested and Prepared**

**by**

**Worldwide Testing Services (Taiwan) Co., Ltd.**

**FCC Registration No.: TW1477, TW0020, TW1072**

**Industry Canada filed test laboratory Reg. No.: 20037**

**A2LA Accredited No.: 2732.01**



**Report No.: W6R22011-20409-P-247**

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C.  
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# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
FCC ID: GX9CTC1052QT

## Certification of Test Report

Applicant : CLIMAX TECHNOLOGY CO., LTD.  
No. 258, Sinhu 2nd Rd., Neihu District, Taipei City 114  
Taiwan (R.O.C.)

Manufacturer : CLIMAX TECHNOLOGY CO., LTD.  
No. 258, Sinhu 2nd Rd., Neihu District, Taipei City 114  
Taiwan (R.O.C.)

Tested Equipment :

|                     |  |
|---------------------|--|
| Type Description    | : Telecare Alarm System                          |
| Model Number        | : CTC-1052xxx-xxxxx Series (x=0~9, A~Z or blank) |
| Brand Name          | : ./.  |
| Operation Frequency | : Please see chapter 2.3.                        |
| RF Output Power:    | : WCDMA Band II: 25.78 dBm (EIRP)                |
|                     | Band IV: 25.41 dBm (EIRP)                        |
|                     | Band V: 23.51 dBm (ERP)                          |
|                     | LTE Band II: 26.56 dBm (EIRP)                    |
|                     | Band IV 25.82 dBm (EIRP)                         |
|                     | Band V: 23.68 dBm (ERP)                          |
|                     | Band XII: 25.04 dBm (ERP)                        |
|                     | Band XIII: 24.51 dBm (ERP)                       |
| Power Supply        | : Adapter (I/P: 100-240Vac~50/60Hz, 0.4A         |
|                     | O/P: 12V, 1A)                                    |
|                     | Battery NI-MH 1100mAh*6 AA                       |

Regulation Applied : 47CFR Part 22 (2019-10), Part 24 (2019-10),  
Part 27 (2019-10)


Test Method : 47CFR Part 2 (2019), TIA/EIA-603E (2016) and  
ANSI C63.26 (2015)

I HEREBY CERTIFY THAT: The test results written in this report were derived conscientiously in accordance with the requirements and procedures of 47CFR Part 2(2019), TIA/EIA-603E(2016), and it was found that the device described above is in compliance with the applicable limits specified in 47CFR Part 22/24/27.

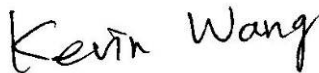
Note:

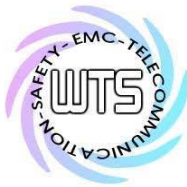
1. The result of this test report is valid only in connection to the sample has been tested at the laboratory of Worldwide Testing Services (Taiwan) Co. Ltd.
2. This test report shall always be duplicated in full pages unless the written approval of the testing laboratory is obtained.

Test Engineer:

|                   |          |  |           |
|-------------------|----------|--|-----------|
| December 15, 2020 | Kent Lin |  |           |
| Date              | WTS-Lab. | Name   | Signature |

Technical responsibility for area of testing:

|                   |            |  |           |
|-------------------|------------|--|-----------|
| December 15, 2020 | Kevin Wang |  |           |
| Date              | WTS        | Name   | Signature |



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## **APPENDIX**



Report Number: W6R22011-20409-P-247

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## **1. Summary**

### **1.1 Description of tested equipment**

This equipment under tested, CTC-1052xxx-xxxxx Series (x=0~9, A~Z or blank), is a Telecare Alarm System.

This test report only contains test requirements specified in 47CFR Part 22, Part 24 and Part27 for WCDMA and LTE function. For other functions; please refer to separate test report with respect to the relevant test standard and specification.

### **1.2 Date of testing processing**

Date of receipt of test item(1st): June 29, 2020

Date of test(1st): from June 30, 2020 to August 21, 2020

Date of receipt of test item(2nd): November 19, 2020

Date of test(2nd): from November 20, 2020 to December 15, 2020

Other Information: None

### **1.3 Modification Information**

No modification was made during the all test items been performed.

### **1.4 Test standards**

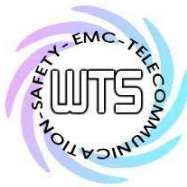
Technical standard: **47CFR Part 22 (2019), Part 24 (2019) and Part 27 (2019)**

Test method: **47 CFR Part 2 (2019), TIA/EIA-603E (2016), ANSI C63.26 (2015)**

Deviation from test standard: None

## **Special Statement**

1. This test report is valid in connection to the model has been tested, any modification to the product which is different from the test model will avoid the certification of the test report.
2. This test report shall always be duplicated in full pages unless the written approval of the testing laboratory is obtained.
3. The x in model number is representing different case shape, case colors, led mask color, and control ID.
4. The model number of CTC-1052-QT. This model does not contain logo.
5. This test report is based on the original test report no.: W6M22006-20020-P-247.
6. The relevant Circuitry, PCB Layout, Inner element and Function is exactly the same as the one in original test report. The differences are the appearance and antenna and the test item of radiated emission has been retested. Therefore the other test result is also based on the original test report no. W6M22006-20020-P-247 without re-testing.



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**1.5 Summary of test result**

WCDMA

| Section in this Report | Test Item                                  | FCC relevant Section | Verdict      |
|------------------------|--|----------------------|--------------|
| 3.2                    | RF Power Output (Effective radiated power) | 2.1046(a), 22.913(a) | Pass         |
| 4.2                    | Modulation characteristics                 | 2.1047               | Not Required |
| 5.2                    | Occupied bandwidth                         | 2.1049(h)            | Pass         |
| 6.2                    | Spurious emissions at antenna terminals    | 22.917(a), 2.1051    | Pass         |
| 7.2                    | Field strength of spurious radiation       | 22.917(a), 2.1053    | Pass         |
| 7.5                    | Band Edge emissions                        | 22.917(a)            | Pass         |
| 8.2                    | Frequency stability                        | 2.1055<br>22.355     | Pass         |

| Section in this Report | Test Item   | FCC Relevant Section   | Verdict      |
|------------------------|---|------------------------|--------------|
| 3.2                    | RF Power Output (Equivalent isotropically radiated power) | 2.1046(a), 24.232      | Pass         |
| 4.2                    | Modulation characteristics                                | 2.1047                 | Not Required |
| 5.2                    | Occupied bandwidth  | 2.1049(h)<br>24.238(b) | Pass         |
| 6.2                    | Spurious emissions at antenna terminals                   | 24.238(a), 2.1051      | Pass         |
| 7.2                    | Field strength of spurious radiation                      | 24.238(a), 2.1053      | Pass         |
| 7.5                    | Band Edge emissions                                       | 24.238(b)              | Pass         |
| 8.2                    | Frequency stability                                       | 2.1055<br>24.235       | Pass         |



# Worldwide Testing Services(Taiwan) Co., Ltd.

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LTE

| Harmonized Standard Requirements and Conformance Test Specifications |   |  |  |             |
|--|---|--|--|-------------|
| Item   | Clause                                  | Test Content   | Limit  | Test Result |
| 3.2  | §22.913<br>§24.232<br>§27.50            | Effective Radiated Power and Equivalent Isotropic Radiated Power Measurement | ERP < 7 Watts (Band 5)<br>EIRP < 2 Watts (Band 2)<br>ERP < 3 Watts (Band 12, Band 13)<br>EIRP < 1 Watts (Band 4) | Pass        |
| 5.3  | §24.232<br>§27.50                       | Peak-to-Average Ratio  | < 13 dB  | Pass        |
| 6.2  | §2.1049                                 | Occupied Bandwidth   | OBW : No Limit   | Pass        |
| 7.2  | §22.917<br>§24.238<br>§27.53            | Conducted Spurious Emission Measurement                                      | < 43+10log10(P[Watts])   | Pass        |
| 8.2  | §22.917<br>§24.238<br>§27.53            | Radiated Spurious Emission Measurement                                       | < 43+10log10(P[Watts])   | Pass        |
| 8.5  | §22.917<br>§24.238<br>§27.53            | Conducted Band Edge Measurement  | < 43+10log10(P[Watts])   | Pass        |
| 9.2  | §2.1055<br>§22.355<br>§24.235<br>§27.54 | Frequency stability / Temperature variation Measurement                      | < 2.5 ppm  | Pass        |

| Test item Name   | Measurement Uncertainty   |
|--|---|
| Estimation Result of Uncertainty of Radiated Emission(3M)              | Expanded Uncertainty:<br>0.009-30 MHz:1.88 dB<br>30-1000 MHz:2.79 dB<br>1-18 GHz:2.36 dB<br>18-40 GHz:1.55 dB |
| Estimation Result of Uncertainty of Conducted Output Power Measurement | Expanded Uncertainty : 1.14 dB  |
| Estimation Result of Uncertainty of Bandwidth Measurement              | Expanded Uncertainty : 0.45 kHz   |
| Estimation Result of Uncertainty of Frequency Drift Measurement        | Expanded Uncertainty : 6.11 Hz  |
| Estimation Result of Uncertainty of Band Edge Measurement              | Expanded Uncertainty : 1.01 dBc   |

Measurement uncertainty is not included in the calculation of test results.



# ***Worldwide Testing Services(Taiwan) Co., Ltd.***

Report Number: W6R22011-20409-P-247

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## **2. General Information**

### **2.1 Testing laboratory**

#### **2.1.1 Location**

OATS  
No.5-1, Shuang Sing Village,  
LiShuei Rd., Wanli Township,  
Taipei County 207, Taiwan (R.O.C.)  
Company  
Worldwide Testing Services (Taiwan) Co., Ltd.  
6F, NO. 58, LANE 188, RUEY-KUANG RD.  
NEIHU, TAIPEI 114, TAIWAN R.O.C.  
Tel : 886-2-66068877  
Fax : 886-2-66068879

#### **2.1.2 Details of accreditation status**

Accredited testing laboratory  
A2LA-registration number: 2732.01  
FCC filed test laboratory Reg. No. TW1477, TW0020, TW1072  
Industry Canada filed test laboratory Reg. No. 20037

#### **2.1.3 Test location, where different from Worldwide Testing Services (Taiwan) Co., Ltd.**

Name: ./.  
Accredited number: ./.  
Street: ./.  
Town: ./.  
Country: ./.  
Telephone: ./.  
Fax: ./.

### **2.2 Details of approval holder**

Name: CLIMAX TECHNOLOGY CO., LTD  
Street: No. 258, Sinhu 2nd Rd., Neihu District,  
Town: Taipei City 114  
Country: Taiwan (R.O.C.)  
Telephone: +886-2-2794-0001  
Fax: +886-2-2792-6618

#### **Manufacturer: (if different from applicant)**

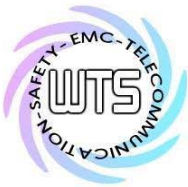
Name: ./.  
Street: ./.  
Town: ./.  
Country: ./.

### **2.3 Description of Tested System**

The EUT was tested alone without the Accessories or Peripherals.

| Equipment                               | Model No. | Series No. | Software | Cable information | Note |
|---|-----------|------------|----------|-------------------|------|
| No accessories were used with this EUT. |           |            |          |                   |      |





# Worldwide Testing Services(Taiwan) Co., Ltd.

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Frequencies Selected to be investigated:

### WCDMA Band II

Low Frequency ( ch 9262): 1852.4 MHz

Mid Frequency ( ch 9400): 1880.0 MHz

High Frequency ( ch 9538): 1907.6 MHz

### WCDMA Band IV

Low Frequency ( ch 1312): 1712.4 MHz

Mid Frequency ( ch 1412): 1732.4 MHz

High Frequency ( ch 1513): 1752.6 MHz

### WCDMA Band V

Low Frequency ( ch 4132): 826.4 MHz

Mid Frequency ( ch 4183): 836.6 MHz

High Frequency ( ch 4233): 846.6 MHz

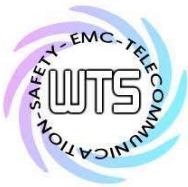
## LTE

### Band II

| Test Frequency ID   | Bandwidth [MHz]                                    | N <sub>UL</sub> | Frequency of Uplink [MHz] | N <sub>DL</sub> | Frequency of Downlink [MHz] |
|---|--|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range   | 1.4  | 18607           | 1850.7                    | 607             | 1930.7                      |
|   | 3  | 18615           | 1851.5                    | 615             | 1931.5                      |
|   | 5  | 18625           | 1852.5                    | 625             | 1932.5                      |
|   | 10   | 18650           | 1855                      | 650             | 1935                        |
|   | 15 <sup>[1]</sup>                                  | 18675           | 1857.5                    | 675             | 1937.5                      |
|   | 20 <sup>[1]</sup>                                  | 18700           | 1860                      | 700             | 1940                        |
| Mid Range   | 1.4/3/5/10<br>15 <sup>[1]</sup> /20 <sup>[1]</sup> | 18900           | 1880                      | 900             | 1960                        |
| High Range  | 1.4  | 19193           | 1909.3                    | 1193            | 1989.3                      |
|   | 3  | 19185           | 1908.5                    | 1185            | 1988.5                      |
|   | 5  | 19175           | 1907.5                    | 1175            | 1987.5                      |
|   | 10   | 19150           | 1905                      | 1150            | 1985                        |
|   | 15 <sup>[1]</sup>                                  | 19125           | 1902.5                    | 1125            | 1982.5                      |
|   | 20 <sup>[1]</sup>                                  | 19100           | 1900                      | 1100            | 1980                        |
| NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed. |  |                 |                           |                 |                             |

### Band IV

| Test Frequency ID | Bandwidth [MHz]  | N <sub>UL</sub> | Frequency of Uplink [MHz] | N <sub>DL</sub> | Frequency of Downlink [MHz] |
|-------------------|------------------|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range         | 1.4              | 19957           | 1710.7                    | 1957            | 2110.7                      |
|                   | 3                | 19965           | 1711.5                    | 1965            | 2111.5                      |
|                   | 5                | 19975           | 1712.5                    | 1975            | 2112.5                      |
|                   | 10               | 20000           | 1715                      | 2000            | 2115                        |
|                   | 15               | 20025           | 1717.5                    | 2025            | 2117.5                      |
|                   | 20               | 20050           | 1720                      | 2050            | 2120                        |
| Mid Range         | 1.4/3/5/10/15/20 | 20175           | 1732.5                    | 2175            | 2132.5                      |
| High Range        | 1.4              | 20393           | 1754.3                    | 2393            | 2154.3                      |
|                   | 3                | 20385           | 1753.5                    | 2385            | 2153.5                      |
|                   | 5                | 20375           | 1752.5                    | 2375            | 2152.5                      |
|                   | 10               | 20350           | 1750                      | 2350            | 2150                        |
|                   | 15               | 20325           | 1747.5                    | 2325            | 2147.5                      |
|                   | 20               | 20300           | 1745                      | 2300            | 2145                        |



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### Band V

| Test Frequency ID | Bandwidth [MHz]              | N <sub>UL</sub> | Frequency of Uplink [MHz] | N <sub>DL</sub> | Frequency of Downlink [MHz] |
|-------------------|------------------------------|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range         | 1.4                          | 20407           | 824.7                     | 2407            | 869.7                       |
|                   | 3                            | 20415           | 825.5                     | 2415            | 870.5                       |
|                   | 5                            | 20425           | 826.5                     | 2425            | 871.5                       |
|                   | 10 <sup>[1]</sup>            | 20450           | 829                       | 2450            | 874                         |
| Mid Range         | 1.4/3/5<br>10 <sup>[1]</sup> | 20525           | 836.5                     | 2525            | 881.5                       |
| High Range        | 1.4                          | 20643           | 848.3                     | 2643            | 893.3                       |
|                   | 3                            | 20635           | 847.5                     | 2635            | 892.5                       |
|                   | 5                            | 20625           | 846.5                     | 2625            | 891.5                       |
|                   | 10 <sup>[1]</sup>            | 20600           | 844                       | 2600            | 889                         |

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.

### Band XII

| Test Frequency ID | Bandwidth [MHz]                              | N <sub>UL</sub> | Frequency of Uplink [MHz] | N <sub>DL</sub> | Frequency of Downlink [MHz] |
|-------------------|--|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range         | 1.4  | 23017           | 699.7                     | 5017            | 729.7                       |
|                   | 3  | 23025           | 700.5                     | 5025            | 730.5                       |
|                   | 5 <sup>[1]</sup>                             | 23035           | 701.5                     | 5035            | 731.5                       |
|                   | 10 <sup>[1]</sup>                            | 23060           | 704                       | 5060            | 734                         |
| Mid Range         | 1.4/3<br>5 <sup>[1]</sup> /10 <sup>[1]</sup> | 23095           | 707.5                     | 5095            | 737.5                       |
| High Range        | 1.4  | 23173           | 715.3                     | 5173            | 745.3                       |
|                   | 3  | 23165           | 714.5                     | 5165            | 744.5                       |
|                   | 5 <sup>[1]</sup>                             | 23155           | 713.5                     | 5155            | 743.5                       |
|                   | 10 <sup>[1]</sup>                            | 23130           | 711                       | 5130            | 741                         |

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.

### Band XIII

| Test Frequency ID | Bandwidth [MHz]                     | N <sub>UL</sub> | Frequency of Uplink [MHz] | N <sub>DL</sub> | Frequency of Downlink [MHz] |
|-------------------|-------------------------------------|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range         | 5 <sup>[1]</sup>                    | 23205           | 779.5                     | 5205            | 748.5                       |
|                   | 10 <sup>[1]</sup>                   | 23230           | 782                       | 5230            | 751                         |
| Mid Range         | 5 <sup>[1]</sup> /10 <sup>[1]</sup> | 23230           | 782                       | 5230            | 751                         |
| High Range        | 5 <sup>[1]</sup>                    | 23255           | 784.5                     | 5255            | 753.5                       |
|                   | 10 <sup>[1]</sup>                   | 23230           | 782                       | 5230            | 751                         |

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.

Antenna Type: PCB Antenna  
 Antenna Gain: WCDMA Band II: 2.3 dBi, Band IV: 1.94 dBi,  
 Band V: 0.73 dBi  
 LTE Band II: 2.3 dBi, Band IV: 1.94 dBi,  
 Band V: 0.73 dBi, Band XII: -1.03 dBi Band XIII: -1.82 dBi  
 Power supply: Adapter (I/P: 100-240Vac~50/60Hz, 0.4A  
 O/P: 12V, 1A)  
 Battery NI-MH 1100mAh\*6 AA



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## 2.4 Test environment

Temperature: 27 °C  
Relative humidity content: 54 %  
Air pressure: 86-103 Kpa

## 2.5 General Test Requirement

**Radiated Emission:** For investigated frequency is equal to or below 1GHz, the RBW and VBW of the spectrum analyzer was 100 kHz and 100 kHz respectively with an appropriate sweep speed.

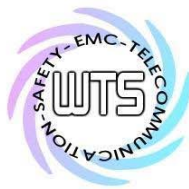
For investigated frequency is above 1GHz, both of RBW and VBW of the spectrum analyzer were 1 MHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna.

The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to the frequency specified as follows:

- (1) If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
- (2) If the intentional radiator operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
- (3) If the intentional radiator operates at or above 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.

For hand-held devices, a exploratory test was performed with three (3) orthogonal planes to determine the highest emissions.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.



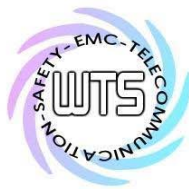
# Worldwide Testing Services(Taiwan) Co., Ltd.

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## 2.6 Test Equipment List

| No.          | Test equipment                                 | Type            | Serial No.    | Manufacturer       | Cal. Date     | Next Cal. Date |
|--------------|--|-----------------|---------------|--------------------|---------------|----------------|
| ETSTW-CE 001 | EMI TEST RECEIVER                              | ESHS10          | 842121/013    | R&S                | 2020/6/11     | 2021/6/10      |
| ETSTW-CE 003 | AC POWER SOURCE                                | APS-9102        | D161137       | GW                 | Function Test |                |
| ETSTW-CE 004 | ZWEILEITER-V-NETZACHBILDUNG TWO-LINE V-NETWORK | ESH3-Z5         | 840731/011    | R&S                | 2020/11/6     | 2021/11/5      |
| ETSTW-CE 006 | IMPULSBEGRENZER PULSE LIMITER                  | ESH3-Z2         | 100226        | R&S                | 2020/9/22     | 2021/9/21      |
| ETSTW-CE 008 | HF-EICHLLEITUNG RF STEP ATTENUATOR 139dB DPSP  | 334.6010.02     | 844581/024    | R&S                | Function Test |                |
| ETSTW-CE 009 | TEMP.&HUMIDITY CHAMBER                         | GTH-225-40-1P-U | MAA0305-009   | GIANT FORCE        | 2020/7/22     | 2021/7/21      |
| ETSTW-CE 016 | TWO-LINE V-NETWORK                             | ENV216          | 100050        | R&S                | 2020/10/26    | 2021/10/25     |
| ETSTW-CE 028 | MXE EMI Receiver                               | N9038A          | MY53220110    | Agilent            | 2020/7/29     | 2021/7/28      |
| ETSTW-RE 003 | EMI TEST RECEIVER                              | ESI 26          | 831438/001    | R&S                | 2020/6/12     | 2021/6/11      |
| ETSTW-RE 004 | EMI TEST RECEIVER                              | ESI 40          | 832427/004    | R&S                | 2020/9/14     | 2021/9/13      |
| ETSTW-RE 012 | TUNABLE BANDREJECT FILTER                      | D.C 0309        | 146           | K&L                | Function Test |                |
| ETSTW-RE 013 | TUNABLE BANDREJECT FILTER                      | D.C 0336        | 397           | K&L                | Function Test |                |
| ETSTW-RE 018 | MICROWAVE HORN ANTENNA                         | AT4560          | 27212         | AR                 | 2020/7/30     | 2021/7/29      |
| ETSTW-RE 027 | Passive Loop Antenna                           | 6512            | 00034563      | ETS-Lindgren       | 2020/7/8      | 2021/7/7       |
| ETSTW-RE 030 | Double-Ridged Guide Horn Antenna               | 3117            | 00035224      | ETS-Lindgren       | 2020/4/22     | 2021/4/21      |
| ETSTW-RE 042 | Biconical Antenna                              | HK116           | 100172        | R&S                | 2020/2/18     | 2021/2/17      |
| ETSTW-RE 043 | Log-Periodic Dipole Antenna                    | HL223           | 100166        | R&S                | 2020/5/8      | 2021/5/7       |
| ETSTW-RE 044 | Log-Periodic Antenna                           | HL050           | 100094        | R&S                | 2020/8/3      | 2021/8/2       |
| ETSTW-RE 045 | ESA-E SERIES SPECTRUM ANALYZER                 | E4404B          | MY45111242    | Agilent            | Pre-test Use  |                |
| ETSTW-RE 050 | Attenuator 10dB                                | 50HF-010-1      | None          | JFW                | 2020/2/20     | 2021/2/19      |
| ETSTW-RE 051 | Attenuator 6dB                                 | 50HF-006-1      | None          | JFW                | 2020/2/20     | 2021/2/19      |
| ETSTW-RE 053 | Attenuator 3dB                                 | 50HF-003-1      | None          | JFW                | 2020/2/20     | 2021/2/19      |
| ETSTW-RE 055 | SPECTRUM ANALYZER                              | FSU 26          | 200074        | R&S                | 2020/3/6      | 2021/3/5       |
| ETSTW-RE 060 | Attenuator 30dB                                | 5015-30         | F651012z-01   | ATM                | 2020/2/20     | 2021/2/19      |
| ETSTW-RE 062 | Amplifier Module                               | CHC 2           | None          | KMIC               | 2020/5/15     | 2021/5/14      |
| ETSTW-RE 064 | Bluetooth Test Set                             | MT8852B-042     | 6K00005709    | Anritsu            | Function Test |                |
| ETSTW-RE 069 | Double-Ridged Guide Horn Antenna               | 3117            | 00069377      | ETS-Lindgren       | Function Test |                |
| ETSTW-RE 072 | CELL SITE TEST SET                             | 8921A           | 3339A00375    | HP                 | 2020/10/15    | 2021/10/14     |
| ETSTW-RE 088 | SOLID STATE AMPLIFIER                          | KMA180265A01    | 99057         | KMIC               | 2020/9/17     | 2021/9/16      |
| ETSTW-RE 091 | Match Pad                                      | MDCS1500        | None          | WOKEN              | 2020/5/22     | 2021/5/21      |
| ETSTW-RE 099 | DC Block                                       | 50DB-007-1      | None          | JFW                | 2020/2/20     | 2021/2/19      |
| ETSTW-RE 112 | AC POWER SOURCE                                | TFC-1005        | T-0A023536    | T-Power            | Function test |                |
| ETSTW-RE 115 | 2.4GHz Notch Filter                            | N0124411        | 473874        | MICROWAVE CIRCUITS | 2020/1/13     | 2021/1/12      |
| ETSTW-RE 120 | RF Player                                      | MP9200          | MP9210-111022 | ADIVIC             | Function test |                |



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|                 |                                      |  |                 |                    |                  |           |
|-----------------|--------------------------------------|--|-----------------|--------------------|------------------|-----------|
| ETSTW-RE 122    | SIGNAL GENERATOR                     | SMF100A                                | 102149          | R&S                | 2020/6/11        | 2021/6/10 |
| ETSTW-RE 125    | 5GHz Notch filter                    | 5NSL11-5200/E221.3-O/O                 | 1               | K&L Microwave      | 2020/8/7         | 2021/8/6  |
| ETSTW-RE 126    | 5GHz Notch filter                    | 5NSL12-5800/E221.3-O/O                 | 1               | K&L Microwave      | 2020/8/7         | 2021/8/6  |
| ETSTW-RE 127    | RF Switch Box                        | RFS-01                                 | None            | WTS                | 2020/2/20        | 2021/2/19 |
| ETSTW-RE 128    | 5.3GHz Notch filter                  | N0153001                               | SN487233        | Microwave Circuits | 2020/8/7         | 2021/8/6  |
| ETSTW-RE 129    | 5.5GHz Notch filter                  | N0555984                               | SN487234        | Microwave Circuits | 2020/8/7         | 2021/8/6  |
| ETSTW-RE 130    | Handheld RF Spectrum Analyzer        | N9340A                                 | CN0147000204    | Agilent            | Pre-test Use     |           |
| ETSTW-RE 142    | Amplifier                            | 8447D                                  | 2805A03378      | Agilent            | 2020/5/15        | 2021/5/14 |
| ETSTW-RE 146    | Preamplifier                         | JPA-10M1G                              | 15090004        | JPT                | 2020/6/5         | 2021/6/4  |
| ETSTW-RE 147    | Bi-log Hybrid Antenna                | MCTD 2786B                             | BLB16M04005     | ETC                | 2020/4/9         | 2021/4/8  |
| ETSTW-RE 148    | Bi-log Hybrid Antenna                | MCTD 2786B                             | BLB16M04006     | ETC                | 2020/7/9         | 2021/7/8  |
| ETSTW-RF 002    | Electromagnetic field probe          | LF-30                                  | K-0007          | STT                | 2020/6/9         | 2021/6/8  |
| ETSTW-EMI 011   | USB Compact Modulator                | SFC-U                                  | 101689          | R&S                | 2020/5/21        | 2021/5/20 |
| ETSTW-GSM 002   | Universal Radio Communication Tester | CMU 200                                | 109439          | R&S                | 2020/3/9         | 2021/3/8  |
| ETSTW-GSM 003   | Radio Communication Analyzer         | MT8820C                                | 6201342073      | Anritsu            | 2020/4/20        | 2021/4/19 |
| ETSTW-GSM 004   | Wideband Radio Communication Tester  | CMW500                                 | 128092          | R&S                | 2020/11/10       | 2021/11/9 |
| ETSTW-GSM 019   | Band Reject Filter                   | WRCTF824/849-822/851-40 /12+9SS        | 3               | WI                 | 2020/1/13        | 2021/1/12 |
| ETSTW-GSM 020   | Band Reject Filter                   | WRCD1747/1748-1743/1752-32/5SS         | 1               | WI                 | 2020/1/13        | 2021/1/12 |
| ETSTW-GSM 021   | Band Reject Filter                   | WRCD1879.5/1880.5-1875.5/1884.5-32/5SS | 3               | WI                 | 2020/1/13        | 2021/1/12 |
| ETSTW-GSM 022   | Band Reject Filter                   | WRCT901.9/903.1-904.25-50/8SS          | 1               | WI                 | 2020/1/13        | 2021/1/12 |
| ETSTW-GSM 023   | Power Divider                        | 4901.19.A                              | None            | SUHNER             | 2020/9/8         | 2021/9/7  |
| ETSTW-GSM 024   | Radio Communication Analyzer         | MT8821C                                | None            | Anritsu            | 2020/3/27        | 2021/3/26 |
| ETSTW-GSM 025   | Band Reject Filter                   | BRM19835                               | 001             | Micro-Tronics      | 2020/8/7         | 2021/8/6  |
| ETSTW-Cable 011 | SMA to N type Cable                  | RGU-400                                | None            | THERMAX            | Pre-test Use NCR |           |
| ETSTW-Cable 016 | BNC Cable                            | Switch Box                             | B Cable 1       | Schwarz beck       | 2020/2/20        | 2021/2/19 |
| ETSTW-Cable 017 | BNC Cable                            | X Cable                                | B Cable 2       | Schwarz beck       | 2020/2/20        | 2021/2/19 |
| ETSTW-Cable 018 | BNC Cable                            | Y Cable                                | B Cable 3       | Schwarz beck       | 2020/2/20        | 2021/2/19 |
| ETSTW-Cable 019 | BNC Cable                            | Z Cable                                | B Cable 4       | Schwarz beck       | 2020/2/20        | 2021/2/19 |
| ETSTW-Cable 020 | N TYPE Cable                         | OATS Cable 1                           | N30N30-L335-15M | JYE BAO CO.,LTD.   | 2020/7/1         | 2021/6/30 |
| ETSTW-Cable 027 | Microwave Cable                      | SUCOFLEX 104                           | 279083          | HUBER+SUHNER       | 2020/5/8         | 2021/5/7  |
| ETSTW-Cable 028 | Microwave Cable                      | FA147A0015M2020                        | 30064-2         | UTIFLEX            | 2020/9/17        | 2021/9/16 |
| ETSTW-Cable 029 | Microwave Cable                      | FA147A0015M2020                        | 30064-3         | UTIFLEX            | 2020/9/17        | 2021/9/16 |
| ETSTW-Cable 030 | Microwave Cable                      | SUCOFLEX 104 (S Cable 9)               | 279067          | HUBER+SUHNER       | 2020/2/20        | 2021/2/19 |
| ETSTW-Cable 043 | Microwave Cable                      | SUCOFLEX 104                           | 317576          | HUBER+SUHNER       | 2020/5/15        | 2021/5/14 |
| ETSTW-Cable 047 | Microwave Cable                      | SUCOFLEX 104                           | 325518          | HUBER+SUHNER       | 2020/7/3         | 2021/7/2  |
| ETSTW-Cable 058 | Microwave Cable                      | SUCOFLEX 104                           | none            | HUBER+SUHNER       | 2020/6/5         | 2021/6/4  |



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|                 |                          |                       |          |              |                  |           |
|-----------------|--------------------------|-----------------------|----------|--------------|------------------|-----------|
| ETSTW-Cable 064 | Microwave Cable          | SUCOFLEX 104          | MY28891  | HUBER+SUHNER | 2020/5/15        | 2021/5/14 |
| ETSTW-Cable 071 | N TYPE CABLE             | EMCCFD400-NM-NM-25000 | 170239   | EMCI         | 2020/6/5         | 2021/6/4  |
| ETSTW-Cable 072 | SMA type cable (8m)      | SUCOFLEX 104          | 805800/4 | HUBER+SUHNER | 2020/5/15        | 2021/5/14 |
| ETSTW-Cable 074 | SMA type cable (2m)      | SUCOFLEX 104          | 802563/4 | HUBER+SUHNER | 2020/5/15        | 2021/5/14 |
| WTSTW-SW 002    | EMI TEST SOFTWARE        | EZ EMC                | None     | Farad        | Version ETS-03A1 |           |
| WTSTW-SW 006    | EMI TEST SOFTWARE        | e3                    | None     | AUDIX        | Version 9.161014 |           |
| WTSTW-SW 008    | Signal studio            | Agilent               | None     | AUDIX        | Version 2.0.0.1  |           |
| ETSTW-TH 002    | Thermohygrometer         | 608-H1                | 45204317 | Testo        | 2020/9/23        | 2021/9/22 |
| ETSTW-TH 003    | Wireless weather station | GAIA                  | N/A      | TFA          | 2020/12/3        | 2021/12/2 |

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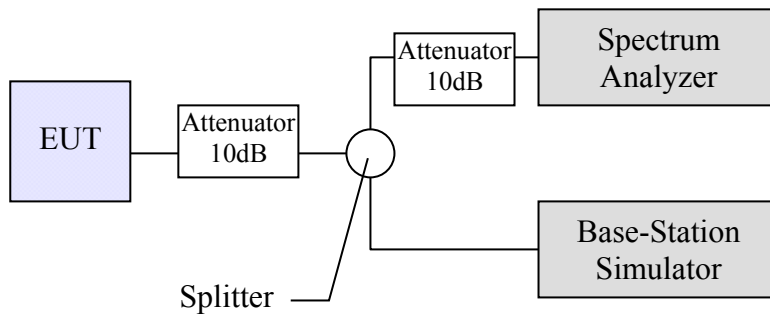
**3. RF Power Output**

**3.1 Test procedure**

**3.1.1 Conducted Method**

Per 47CFR Part 2.1046, the RF power output shall be measured at the RF output terminals and following procedure is employed:

The transmitter output was connected as the following figure:



The whole connection system is calibrated with a standard signal generator. Power on and make a link form simulator to EUT and then set the EUT to maximum output power.

Measure the RF power with the spectrum analyzer in accordance the following settings:

RBW: 300 kHz for Frequency below 1GHz and 1MHz for Frequency equal to and above 1GHz.

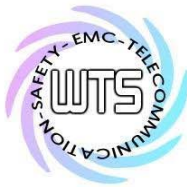
VBW: 300 kHz for Frequency below 1GHz and 1MHz for Frequency equal to and above 1GHz.

Span: 2MHz

Sweep: 3s

The power output at the transmitter antenna terminal is then determined by assign the value of the corrected factor to the spectrum analyzer reading.

Tests were performed at three frequencies (low, middle and high channels) and operation mode selected.



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## 3.2 Test Results

Test date: July 31, 2020

Temperature: 24.0 °C

Humidity: 53.5 %

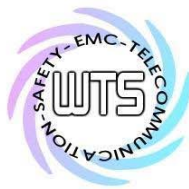
Tester: Kent

### WCDMA

#### Band II & Band IV & Band V

|                  |   |   |  |                                     |                                     |                                      |
|------------------|---|---|--|-------------------------------------|-------------------------------------|--------------------------------------|
| WCDMA<br>Band II | POWER(dBm)<br>Low<br>Ch9262/<br>1852.4MHz | POWER(dBm)<br>Mid<br>Ch9400/<br>1880MHz   | POWER(dBm)<br>High<br>Ch9538/<br>1907.6MHz | EIRP<br>Low<br>Ch9262/<br>1852.4MHz | EIRP<br>Mid<br>Ch9400/<br>1880MHz   | EIRP<br>High<br>Ch9538/<br>1907.6MHz |
|                  | 22.31                                     | 22.32                                     | 22.57                                      | 25.52                               | 25.53                               | 25.78                                |
| WCDMA<br>Band IV | POWER(dBm)<br>Low<br>Ch1312/<br>1712.4MHz | POWER(dBm)<br>Mid<br>Ch1412<br>/1732.4MHz | POWER(dBm)<br>High<br>Ch1513/<br>1752.6MHz | EIRP<br>Low<br>Ch1312/<br>1712.4MHz | EIRP<br>Mid<br>Ch1412/<br>1732.4MHz | EIRP<br>High<br>Ch1513/<br>1752.6MHz |
|                  | 22.74                                     | 22.46                                     | 22.63                                      | 25.41                               | 25.13                               | 25.3                                 |
| WCDMA<br>Band V  | POWER(dBm)<br>Low<br>Ch4132/<br>826.4MHz  | POWER(dBm)<br>Mid<br>Ch4183/<br>836.6MHz  | POWER(dBm)<br>High<br>Ch4233/<br>846.6MHz  | ERP<br>Low<br>Ch4132/<br>826.4MHz   | ERP<br>Mid<br>Ch4183/<br>836.6MHz   | ERP<br>High<br>Ch4233/<br>846.6MHz   |
|                  | 23.52                                     | 23.49                                     | 23.64                                      | 23.39                               | 23.36                               | 23.51                                |





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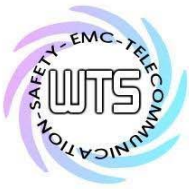
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LTE

Band II

| BW(MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>Low<br>Ch18607/<br>1850.7MHz | POWER(dBm)<br>Mid<br>Ch18900/<br>1880MHz | POWER(dBm)<br>High<br>Ch19193/<br>1909.3MHz | EIRP<br>Low<br>Ch18607/<br>1850.7MHz | EIRP<br>Mid<br>Ch18900/<br>1880MHz | EIRP<br>High<br>Ch19193/<br>1909.3MHz |
|---------|------------|---------|-----------|--|--|---|--------------------------------------|------------------------------------|---------------------------------------|
| 1.4     | QPSK       | 1       | 0         | 22.58                                      | 22.83                                    | 22.78                                       | 25.79                                | 26.04                              | 25.99                                 |
| 1.4     | QPSK       | 1       | 3         | 22.88                                      | 22.95                                    | 23.13                                       | 26.09                                | 26.16                              | 26.34                                 |
| 1.4     | QPSK       | 1       | 5         | 22.78                                      | 22.70                                    | 22.98                                       | 25.99                                | 25.91                              | 26.19                                 |
| 1.4     | QPSK       | 3       | 0         | 22.85                                      | 22.92                                    | 23.06                                       | 26.06                                | 26.13                              | 26.27                                 |
| 1.4     | QPSK       | 3       | 1         | 22.92                                      | 23.00                                    | 23.04                                       | 26.13                                | 26.21                              | 26.25                                 |
| 1.4     | QPSK       | 3       | 3         | 22.85                                      | 22.98                                    | 22.93                                       | 26.06                                | 26.19                              | 26.14                                 |
| 1.4     | QPSK       | 6       | 0         | 21.74                                      | 21.85                                    | 22.05                                       | 24.95                                | 25.06                              | 25.26                                 |
| 1.4     | 16QAM      | 1       | 0         | 21.06                                      | 21.27                                    | 21.43                                       | 24.27                                | 24.48                              | 24.64                                 |
| 1.4     | 16QAM      | 1       | 3         | 21.01                                      | 21.53                                    | 21.38                                       | 24.22                                | 24.74                              | 24.59                                 |
| 1.4     | 16QAM      | 1       | 5         | 21.51                                      | 21.40                                    | 20.88                                       | 24.72                                | 24.61                              | 24.09                                 |
| BW(MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>Low<br>Ch18615/<br>1851.5MHz | POWER(dBm)<br>Mid<br>Ch18900<br>/1880MHz | POWER(dBm)<br>High<br>Ch19185/<br>1908.5MHz | EIRP<br>Low<br>Ch18615/<br>1851.5MHz | EIRP<br>Mid<br>Ch18900/<br>1880MHz | EIRP<br>High<br>Ch19185/<br>1908.5MHz |
| 3       | QPSK       | 1       | 0         | 22.36                                      | 22.69                                    | 22.66                                       | 25.57                                | 25.90                              | 25.87                                 |
| 3       | QPSK       | 1       | 7         | 22.88                                      | 22.80                                    | 23.18                                       | 26.09                                | 26.01                              | 26.39                                 |
| 3       | QPSK       | 1       | 14        | 22.72                                      | 22.69                                    | 22.55                                       | 25.93                                | 25.90                              | 25.76                                 |
| 3       | QPSK       | 8       | 0         | 21.71                                      | 21.88                                    | 21.97                                       | 24.92                                | 25.09                              | 25.18                                 |
| 3       | QPSK       | 8       | 3         | 21.59                                      | 21.72                                    | 21.90                                       | 24.80                                | 24.93                              | 25.11                                 |
| 3       | QPSK       | 8       | 7         | 21.68                                      | 21.95                                    | 21.97                                       | 24.89                                | 25.16                              | 25.18                                 |
| 3       | QPSK       | 15      | 0         | 21.69                                      | 21.88                                    | 22.04                                       | 24.90                                | 25.09                              | 25.25                                 |
| 3       | 16QAM      | 1       | 0         | 21.25                                      | 21.25                                    | 21.44                                       | 24.46                                | 24.46                              | 24.65                                 |
| 3       | 16QAM      | 1       | 7         | 21.52                                      | 22.12                                    | 22.03                                       | 24.73                                | 25.33                              | 25.24                                 |
| 3       | 16QAM      | 1       | 14        | 21.35                                      | 21.29                                    | 21.37                                       | 24.56                                | 24.50                              | 24.58                                 |
| BW(MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>Low<br>Ch18625/<br>1852.5MHz | POWER(dBm)<br>Mid<br>Ch18900/<br>1880MHz | POWER(dBm)<br>High<br>Ch19175/<br>1907.5MHz | EIRP<br>Low<br>Ch18625/<br>1852.5MHz | EIRP<br>Mid<br>Ch18900/<br>1880MHz | EIRP<br>High<br>Ch19175/<br>1907.5MHz |
| 5       | QPSK       | 1       | 0         | 22.46                                      | 22.66                                    | 22.65                                       | 25.67                                | 25.87                              | 25.86                                 |
| 5       | QPSK       | 1       | 12        | 22.57                                      | 23.03                                    | 23.23                                       | 25.78                                | 26.24                              | 26.44                                 |
| 5       | QPSK       | 1       | 24        | 22.73                                      | 22.65                                    | 22.69                                       | 25.94                                | 25.86                              | 25.90                                 |
| 5       | QPSK       | 12      | 0         | 21.63                                      | 21.85                                    | 21.96                                       | 24.84                                | 25.06                              | 25.17                                 |
| 5       | QPSK       | 12      | 6         | 21.65                                      | 21.87                                    | 21.92                                       | 24.86                                | 25.08                              | 25.13                                 |
| 5       | QPSK       | 12      | 13        | 21.75                                      | 21.81                                    | 22.09                                       | 24.96                                | 25.02                              | 25.30                                 |
| 5       | QPSK       | 25      | 0         | 21.68                                      | 21.83                                    | 21.86                                       | 24.89                                | 25.04                              | 25.07                                 |
| 5       | 16QAM      | 1       | 0         | 21.08                                      | 21.70                                    | 21.84                                       | 24.29                                | 24.91                              | 25.05                                 |
| 5       | 16QAM      | 1       | 12        | 22.03                                      | 22.13                                    | 21.92                                       | 25.24                                | 25.34                              | 25.13                                 |
| 5       | 16QAM      | 1       | 24        | 20.77                                      | 21.19                                    | 21.45                                       | 23.98                                | 24.40                              | 24.66                                 |

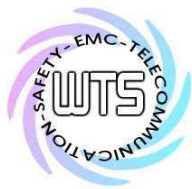


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| BW(MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>Low<br>Ch18650/<br>1855MHz   | POWER(dBm)<br>Mid<br>Ch18900/<br>1880MHz | POWER(dBm)<br>High<br>Ch19150/<br>1905MHz   | EIRP<br>Low<br>Ch18650/<br>1855MHz   | EIRP<br>Mid<br>Ch18900/<br>1880MHz | EIRP<br>High<br>Ch19150/<br>1905MHz   |
|---------|------------|---------|-----------|--|--|---|--------------------------------------|------------------------------------|---------------------------------------|
| 10      | QPSK       | 1       | 0         | 22.75                                      | 22.77                                    | 22.60                                       | 25.96                                | 25.98                              | 25.81                                 |
| 10      | QPSK       | 1       | 24        | 22.90                                      | 22.67                                    | 22.68                                       | 26.11                                | 25.88                              | 25.89                                 |
| 10      | QPSK       | 1       | 49        | 22.60                                      | 22.68                                    | 23.07                                       | 25.81                                | 25.89                              | 26.28                                 |
| 10      | QPSK       | 25      | 0         | 21.75                                      | 21.88                                    | 22.01                                       | 24.96                                | 25.09                              | 25.22                                 |
| 10      | QPSK       | 25      | 12        | 21.79                                      | 21.94                                    | 22.06                                       | 25.00                                | 25.15                              | 25.27                                 |
| 10      | QPSK       | 25      | 25        | 21.78                                      | 21.87                                    | 22.20                                       | 24.99                                | 25.08                              | 25.41                                 |
| 10      | QPSK       | 50      | 0         | 21.78                                      | 21.99                                    | 22.01                                       | 24.99                                | 25.20                              | 25.22                                 |
| 10      | 16QAM      | 1       | 0         | 21.32                                      | 21.23                                    | 21.24                                       | 24.53                                | 24.44                              | 24.45                                 |
| 10      | 16QAM      | 1       | 24        | 21.11                                      | 21.55                                    | 21.71                                       | 24.32                                | 24.76                              | 24.92                                 |
| 10      | 16QAM      | 1       | 49        | 21.79                                      | 21.39                                    | 21.44                                       | 25.00                                | 24.60                              | 24.65                                 |
| BW(MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>Low<br>Ch18675/<br>1857.5MHz | POWER(dBm)<br>Mid<br>Ch18900/<br>1880MHz | POWER(dBm)<br>High<br>Ch19125/<br>1902.5MHz | EIRP<br>Low<br>Ch18675/<br>1857.5MHz | EIRP<br>Mid<br>Ch18900/<br>1880MHz | EIRP<br>High<br>Ch19125/<br>1902.5MHz |
| 15      | QPSK       | 1       | 0         | 22.97                                      | 22.81                                    | 22.86                                       | 26.18                                | 26.02                              | 26.07                                 |
| 15      | QPSK       | 1       | 37        | 22.99                                      | 23.33                                    | 23.35                                       | 26.20                                | 26.54                              | 26.56                                 |
| 15      | QPSK       | 1       | 74        | 22.91                                      | 23.18                                    | 23.22                                       | 26.12                                | 26.39                              | 26.43                                 |
| 15      | QPSK       | 36      | 0         | 21.88                                      | 22.04                                    | 22.03                                       | 25.09                                | 25.25                              | 25.24                                 |
| 15      | QPSK       | 36      | 19        | 22.10                                      | 21.98                                    | 22.01                                       | 25.31                                | 25.19                              | 25.22                                 |
| 15      | QPSK       | 36      | 39        | 22.13                                      | 22.10                                    | 22.01                                       | 25.34                                | 25.31                              | 25.22                                 |
| 15      | QPSK       | 75      | 0         | 22.02                                      | 22.05                                    | 22.07                                       | 25.23                                | 25.26                              | 25.28                                 |
| 15      | 16QAM      | 1       | 0         | 21.44                                      | 22.27                                    | 22.52                                       | 24.65                                | 25.48                              | 25.73                                 |
| 15      | 16QAM      | 1       | 37        | 22.57                                      | 22.71                                    | 22.81                                       | 25.78                                | 25.92                              | 26.02                                 |
| 15      | 16QAM      | 1       | 74        | 21.70                                      | 22.31                                    | 21.92                                       | 24.91                                | 25.52                              | 25.13                                 |
| BW(MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>Low<br>Ch18700/<br>1860MHz   | POWER(dBm)<br>Mid<br>Ch18900/<br>1880MHz | POWER(dBm)<br>High<br>Ch19100/<br>1900MHz   | EIRP<br>Low<br>Ch18675/<br>1857.5MHz | EIRP<br>Mid<br>Ch18900/<br>1880MHz | EIRP<br>High<br>Ch19125/<br>1902.5MHz |
| 20      | QPSK       | 1       | 0         | 22.28                                      | 22.80                                    | 23.05                                       | 25.49                                | 26.01                              | 26.26                                 |
| 20      | QPSK       | 1       | 49        | 22.83                                      | 23.22                                    | 22.87                                       | 26.04                                | 26.43                              | 26.08                                 |
| 20      | QPSK       | 1       | 99        | 23.06                                      | 22.9                                     | 22.80                                       | 26.27                                | 26.11                              | 26.01                                 |
| 20      | QPSK       | 50      | 0         | 21.90                                      | 22.00                                    | 22.03                                       | 25.11                                | 25.21                              | 25.24                                 |
| 20      | QPSK       | 50      | 25        | 21.97                                      | 22.11                                    | 22.12                                       | 25.18                                | 25.32                              | 25.33                                 |
| 20      | QPSK       | 50      | 50        | 21.90                                      | 22.19                                    | 22.12                                       | 25.11                                | 25.40                              | 25.33                                 |
| 20      | QPSK       | 100     | 0         | 21.89                                      | 22.06                                    | 22.04                                       | 25.10                                | 25.27                              | 25.25                                 |
| 20      | 16QAM      | 1       | 0         | 21.52                                      | 22.23                                    | 21.98                                       | 24.73                                | 25.44                              | 25.19                                 |
| 20      | 16QAM      | 1       | 49        | 21.89                                      | 22.35                                    | 22.33                                       | 25.10                                | 25.56                              | 25.54                                 |
| 20      | 16QAM      | 1       | 99        | 21.57                                      | 21.69                                    | 21.81                                       | 24.78                                | 24.90                              | 25.02                                 |



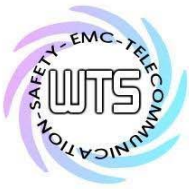
# Worldwide Testing Services(Taiwan) Co., Ltd.

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FCC ID: GX9CTC1052QT

## Band IV

| BW(MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>Low<br>Ch19957/<br>1710.7MHz | POWER(dBm)<br>Mid<br>Ch20175/<br>1732.5MHz | POWER(dBm)<br>High<br>Ch20393/<br>1754.3MHz | EIRP<br>Low<br>Ch19957/<br>1710.7MHz | EIRP<br>Mid<br>Ch20175/<br>1732.5MHz | EIRP<br>High<br>Ch20393/<br>1754.3MHz |
|---------|------------|---------|-----------|--|--|---|--------------------------------------|--------------------------------------|---------------------------------------|
| 1.4     | QPSK       | 1       | 0         | 22.53                                      | 22.63                                      | 22.35                                       | 25.20                                | 25.30                                | 25.02                                 |
| 1.4     | QPSK       | 1       | 3         | 22.67                                      | 22.82                                      | 22.56                                       | 25.34                                | 25.49                                | 25.23                                 |
| 1.4     | QPSK       | 1       | 5         | 22.59                                      | 22.68                                      | 22.42                                       | 25.26                                | 25.35                                | 25.09                                 |
| 1.4     | QPSK       | 3       | 0         | 22.77                                      | 23.10                                      | 23.05                                       | 25.44                                | 25.77                                | 25.72                                 |
| 1.4     | QPSK       | 3       | 1         | 22.93                                      | 23.15                                      | 23.05                                       | 25.60                                | 25.82                                | 25.72                                 |
| 1.4     | QPSK       | 3       | 3         | 22.85                                      | 23.02                                      | 22.95                                       | 25.52                                | 25.69                                | 25.62                                 |
| 1.4     | QPSK       | 6       | 0         | 21.97                                      | 22.01                                      | 21.89                                       | 24.64                                | 24.68                                | 24.56                                 |
| 1.4     | 16QAM      | 1       | 0         | 21.45                                      | 21.80                                      | 21.75                                       | 24.12                                | 24.47                                | 24.42                                 |
| 1.4     | 16QAM      | 1       | 3         | 21.06                                      | 21.28                                      | 21.03                                       | 23.73                                | 23.95                                | 23.70                                 |
| 1.4     | 16QAM      | 1       | 5         | 21.28                                      | 21.24                                      | 21.03                                       | 23.95                                | 23.91                                | 23.70                                 |
| BW(MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>Low<br>Ch19965/<br>1711.5MHz | POWER(dBm)<br>Mid<br>Ch20175/<br>1732.5MHz | POWER(dBm)<br>High<br>Ch20385/<br>1753.5MHz | EIRP<br>Low<br>Ch19965/<br>1711.5MHz | EIRP<br>Mid<br>Ch20175/<br>1732.5MHz | EIRP<br>High<br>Ch20385/<br>1753.5MHz |
| 3       | QPSK       | 1       | 0         | 22.94                                      | 22.72                                      | 22.81                                       | 25.61                                | 25.39                                | 25.48                                 |
| 3       | QPSK       | 1       | 7         | 22.52                                      | 23.02                                      | 22.68                                       | 25.19                                | 25.69                                | 25.35                                 |
| 3       | QPSK       | 1       | 14        | 22.89                                      | 22.52                                      | 22.63                                       | 25.56                                | 25.19                                | 25.30                                 |
| 3       | QPSK       | 8       | 0         | 21.94                                      | 21.98                                      | 21.83                                       | 24.61                                | 24.65                                | 24.50                                 |
| 3       | QPSK       | 8       | 3         | 21.81                                      | 22.05                                      | 21.79                                       | 24.48                                | 24.72                                | 24.46                                 |
| 3       | QPSK       | 8       | 7         | 21.77                                      | 22.06                                      | 21.91                                       | 24.44                                | 24.73                                | 24.58                                 |
| 3       | QPSK       | 15      | 0         | 21.88                                      | 22.04                                      | 21.76                                       | 24.55                                | 24.71                                | 24.43                                 |
| 3       | 16QAM      | 1       | 0         | 21.49                                      | 21.42                                      | 21.19                                       | 24.16                                | 24.09                                | 23.86                                 |
| 3       | 16QAM      | 1       | 7         | 21.26                                      | 21.48                                      | 21.53                                       | 23.93                                | 24.15                                | 24.20                                 |
| 3       | 16QAM      | 1       | 14        | 21.39                                      | 21.45                                      | 21.17                                       | 24.06                                | 24.12                                | 23.84                                 |
| BW(MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>Low<br>Ch19975/<br>1712.5MHz | POWER(dBm)<br>Mid<br>Ch20175/<br>1732.5MHz | POWER(dBm)<br>High<br>Ch20375/<br>1752.5MHz | EIRP<br>Low<br>Ch19975/<br>1712.5MHz | EIRP<br>Mid<br>Ch20175/<br>1732.5MHz | EIRP<br>High<br>Ch20375/<br>1752.5MHz |
| 5       | QPSK       | 1       | 0         | 22.73                                      | 22.81                                      | 22.61                                       | 25.40                                | 25.48                                | 25.28                                 |
| 5       | QPSK       | 1       | 12        | 22.61                                      | 22.88                                      | 22.67                                       | 25.28                                | 25.55                                | 25.34                                 |
| 5       | QPSK       | 1       | 24        | 22.57                                      | 22.52                                      | 22.87                                       | 25.24                                | 25.19                                | 25.54                                 |
| 5       | QPSK       | 12      | 0         | 21.71                                      | 21.88                                      | 21.76                                       | 24.38                                | 24.55                                | 24.43                                 |
| 5       | QPSK       | 12      | 6         | 21.67                                      | 21.98                                      | 21.85                                       | 24.34                                | 24.65                                | 24.52                                 |
| 5       | QPSK       | 12      | 13        | 21.82                                      | 21.97                                      | 21.74                                       | 24.49                                | 24.64                                | 24.41                                 |
| 5       | QPSK       | 25      | 0         | 21.67                                      | 21.97                                      | 21.87                                       | 24.34                                | 24.64                                | 24.54                                 |
| 5       | 16QAM      | 1       | 0         | 21.71                                      | 21.39                                      | 21.40                                       | 24.38                                | 24.06                                | 24.07                                 |
| 5       | 16QAM      | 1       | 12        | 21.58                                      | 21.62                                      | 21.62                                       | 24.25                                | 24.29                                | 24.29                                 |
| 5       | 16QAM      | 1       | 24        | 21.41                                      | 21.31                                      | 21.31                                       | 24.08                                | 23.98                                | 23.98                                 |
| BW(MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>Low<br>Ch20000/<br>1715MHz   | POWER(dBm)<br>Mid<br>Ch20175/<br>1732.5MHz | POWER(dBm)<br>High<br>Ch20350/<br>1750MHz   | EIRP<br>Low<br>Ch20000/<br>1715MHz   | EIRP<br>Mid<br>Ch20175/<br>1732.5MHz | EIRP<br>High<br>Ch20350/<br>1750MHz   |
| 10      | QPSK       | 1       | 0         | 22.58                                      | 22.40                                      | 22.46                                       | 25.25                                | 25.07                                | 25.13                                 |
| 10      | QPSK       | 1       | 24        | 22.48                                      | 22.69                                      | 22.51                                       | 25.15                                | 25.36                                | 25.18                                 |
| 10      | QPSK       | 1       | 49        | 22.36                                      | 22.69                                      | 22.80                                       | 25.03                                | 25.36                                | 25.47                                 |
| 10      | QPSK       | 25      | 0         | 21.72                                      | 21.95                                      | 21.87                                       | 24.39                                | 24.62                                | 24.54                                 |
| 10      | QPSK       | 25      | 12        | 21.82                                      | 21.99                                      | 21.70                                       | 24.49                                | 24.66                                | 24.37                                 |
| 10      | QPSK       | 25      | 25        | 21.57                                      | 21.88                                      | 21.82                                       | 24.24                                | 24.55                                | 24.49                                 |
| 10      | QPSK       | 50      | 0         | 21.79                                      | 21.99                                      | 21.75                                       | 24.46                                | 24.66                                | 24.42                                 |
| 10      | 16QAM      | 1       | 0         | 21.98                                      | 20.96                                      | 21.22                                       | 24.65                                | 23.63                                | 23.89                                 |
| 10      | 16QAM      | 1       | 24        | 21.53                                      | 21.25                                      | 20.92                                       | 24.20                                | 23.92                                | 23.59                                 |
| 10      | 16QAM      | 1       | 49        | 20.82                                      | 20.77                                      | 21.07                                       | 23.49                                | 23.44                                | 23.74                                 |



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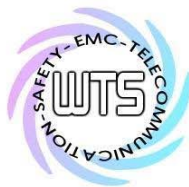
Report Number: W6R22011-20409-P-247

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| BW(MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>Low<br>Ch20025/<br>1717.5MHz | POWER(dBm)<br>Mid<br>Ch20175/<br>1732.5MHz | POWER(dBm)<br>High<br>Ch20325/<br>1747.5MHz | EIRP<br>Low<br>Ch20025/<br>1717.5MHz | EIRP<br>Mid<br>Ch20175/<br>1732.5MHz | EIRP<br>High<br>Ch20325/<br>1747.5MHz |
|---------|------------|---------|-----------|--|--|---|--------------------------------------|--------------------------------------|---------------------------------------|
| 20      | QPSK       | 1       | 0         | 22.55                                      | 22.88                                      | 22.71                                       | 25.22                                | 25.55                                | 25.38                                 |
| 20      | QPSK       | 1       | 49        | 22.39                                      | 22.66                                      | 23.01                                       | 25.06                                | 25.33                                | 25.68                                 |
| 20      | QPSK       | 1       | 99        | 22.73                                      | 22.38                                      | 22.32                                       | 25.40                                | 25.05                                | 24.99                                 |
| 20      | QPSK       | 50      | 0         | 21.99                                      | 21.98                                      | 21.99                                       | 24.66                                | 24.65                                | 24.66                                 |
| 20      | QPSK       | 50      | 25        | 21.73                                      | 21.94                                      | 21.82                                       | 24.40                                | 24.61                                | 24.49                                 |
| 20      | QPSK       | 50      | 50        | 21.82                                      | 21.77                                      | 21.67                                       | 24.49                                | 24.44                                | 24.34                                 |
| 20      | QPSK       | 100     | 0         | 21.64                                      | 22.01                                      | 21.79                                       | 24.31                                | 24.68                                | 24.46                                 |
| 20      | 16QAM      | 1       | 0         | 21.00                                      | 21.20                                      | 21.78                                       | 23.67                                | 23.87                                | 24.45                                 |
| 20      | 16QAM      | 1       | 49        | 21.62                                      | 21.29                                      | 21.10                                       | 24.29                                | 23.96                                | 23.77                                 |
| 20      | 16QAM      | 1       | 99        | 21.18                                      | 21.81                                      | 21.19                                       | 23.85                                | 24.48                                | 23.86                                 |

## Band V

| BW (MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>Low<br>Ch20407/<br>824.7MHz | POWER(dBm)<br>Mid<br>Ch20525/<br>836.5MHz | POWER(dBm)<br>High<br>Ch20643/<br>848.3MHz | ERP<br>Low<br>Ch20407/<br>824.7MHz | ERP<br>Mid<br>Ch20525/<br>836.5MHz | ERP<br>High<br>Ch20643/<br>848.3MHz |
|----------|------------|---------|-----------|---|---|--|------------------------------------|------------------------------------|-------------------------------------|
| 1.4      | QPSK       | 1       | 0         | 23.58                                     | 23.31                                     | 23.27                                      | 23.45                              | 23.18                              | 23.14                               |
| 1.4      | QPSK       | 1       | 3         | 23.53                                     | 23.49                                     | 23.38                                      | 23.40                              | 23.36                              | 23.25                               |
| 1.4      | QPSK       | 1       | 5         | 23.32                                     | 23.65                                     | 23.37                                      | 23.19                              | 23.52                              | 23.24                               |
| 1.4      | QPSK       | 3       | 0         | 23.50                                     | 23.70                                     | 23.46                                      | 23.37                              | 23.57                              | 23.33                               |
| 1.4      | QPSK       | 3       | 1         | 23.61                                     | 23.67                                     | 23.73                                      | 23.48                              | 23.54                              | 23.60                               |
| 1.4      | QPSK       | 3       | 3         | 23.73                                     | 23.78                                     | 23.54                                      | 23.60                              | 23.65                              | 23.41                               |
| 1.4      | QPSK       | 6       | 0         | 22.52                                     | 22.61                                     | 22.46                                      | 22.39                              | 22.48                              | 22.33                               |
| 1.4      | 16QAM      | 1       | 0         | 22.32                                     | 22.35                                     | 22.39                                      | 22.19                              | 22.22                              | 22.26                               |
| 1.4      | 16QAM      | 1       | 3         | 21.86                                     | 22.24                                     | 22.06                                      | 21.73                              | 22.11                              | 21.93                               |
| 1.4      | 16QAM      | 1       | 5         | 22.06                                     | 22.11                                     | 21.68                                      | 21.93                              | 21.98                              | 21.55                               |
| BW (MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>Low<br>Ch20415/<br>825.5MHz | POWER(dBm)<br>Mid<br>Ch20525/<br>836.5MHz | POWER(dBm)<br>High<br>Ch20635/<br>847.5MHz | ERP<br>Low<br>Ch20415/<br>825.5MHz | ERP<br>Mid<br>Ch20525/<br>836.5MHz | ERP<br>High<br>Ch20635/<br>847.5MHz |
| 3        | QPSK       | 1       | 0         | 23.57                                     | 23.63                                     | 23.07                                      | 23.44                              | 23.50                              | 22.94                               |
| 3        | QPSK       | 1       | 7         | 23.80                                     | 23.50                                     | 23.09                                      | 23.67                              | 23.37                              | 22.96                               |
| 3        | QPSK       | 1       | 14        | 23.55                                     | 23.55                                     | 23.51                                      | 23.42                              | 23.42                              | 23.38                               |
| 3        | QPSK       | 8       | 0         | 22.65                                     | 22.72                                     | 22.36                                      | 22.52                              | 22.59                              | 22.23                               |
| 3        | QPSK       | 8       | 3         | 22.74                                     | 22.58                                     | 22.45                                      | 22.61                              | 22.45                              | 22.32                               |
| 3        | QPSK       | 8       | 7         | 22.56                                     | 22.61                                     | 22.46                                      | 22.43                              | 22.48                              | 22.33                               |
| 3        | QPSK       | 15      | 0         | 22.67                                     | 22.57                                     | 22.38                                      | 22.54                              | 22.44                              | 22.25                               |
| 3        | 16QAM      | 1       | 0         | 22.55                                     | 22.07                                     | 21.99                                      | 22.42                              | 21.94                              | 21.86                               |
| 3        | 16QAM      | 1       | 7         | 22.64                                     | 22.49                                     | 21.96                                      | 22.51                              | 22.36                              | 21.83                               |
| 3        | 16QAM      | 1       | 14        | 22.04                                     | 22.16                                     | 22.42                                      | 21.91                              | 22.03                              | 22.29                               |



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| BW(MHz)  | Modulation | RB Size | RB offset | POWER(dBm)<br>Low<br>Ch20425/<br>826.5MHz | POWER(dBm)<br>Mid<br>Ch20525/<br>836.5MHz | POWER(dBm)<br>High<br>Ch20625/<br>846.5MHz | ERP<br>Low<br>Ch20425/<br>826.5MHz | ERP<br>Mid<br>Ch20525/<br>836.5MHz | ERP<br>High<br>Ch20625/<br>846.5MHz |
|----------|------------|---------|-----------|---|---|--|------------------------------------|------------------------------------|-------------------------------------|
| 5        | QPSK       | 1       | 0         | 23.54                                     | 23.30                                     | 23.37                                      | 23.41                              | 23.17                              | 23.24                               |
| 5        | QPSK       | 1       | 12        | 23.56                                     | 23.72                                     | 23.18                                      | 23.43                              | 23.59                              | 23.05                               |
| 5        | QPSK       | 1       | 24        | 23.53                                     | 23.31                                     | 23.36                                      | 23.40                              | 23.18                              | 23.23                               |
| 5        | QPSK       | 12      | 0         | 22.75                                     | 22.59                                     | 22.39                                      | 22.62                              | 22.46                              | 22.26                               |
| 5        | QPSK       | 12      | 6         | 22.72                                     | 22.66                                     | 22.29                                      | 22.59                              | 22.53                              | 22.16                               |
| 5        | QPSK       | 12      | 13        | 22.81                                     | 22.57                                     | 22.55                                      | 22.68                              | 22.44                              | 22.42                               |
| 5        | QPSK       | 25      | 0         | 22.72                                     | 22.62                                     | 22.47                                      | 22.59                              | 22.49                              | 22.34                               |
| 5        | 16QAM      | 1       | 0         | 22.09                                     | 22.45                                     | 22.13                                      | 21.96                              | 22.32                              | 22.00                               |
| 5        | 16QAM      | 1       | 12        | 22.67                                     | 22.53                                     | 21.88                                      | 22.54                              | 22.40                              | 21.75                               |
| 5        | 16QAM      | 1       | 24        | 21.98                                     | 22.30                                     | 22.01                                      | 21.85                              | 22.17                              | 21.88                               |
| BW (MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>Low<br>Ch20450/<br>829MHz   | POWER(dBm)<br>Mid<br>Ch20525/<br>836.5MHz | POWER(dBm)<br>High<br>Ch20600/<br>844MHz   | ERP<br>Low<br>Ch20450/<br>829MHz   | ERP<br>Mid<br>Ch20525/<br>836.5MHz | ERP<br>High<br>Ch20600/<br>844MHz   |
| 10       | QPSK       | 1       | 0         | 23.40                                     | 23.81                                     | 23.24                                      | 23.27                              | 23.68                              | 23.11                               |
| 10       | QPSK       | 1       | 24        | 23.64                                     | 23.61                                     | 23.25                                      | 23.51                              | 23.48                              | 23.12                               |
| 10       | QPSK       | 1       | 49        | 23.02                                     | 23.46                                     | 23.34                                      | 22.89                              | 23.33                              | 23.21                               |
| 10       | QPSK       | 25      | 0         | 22.63                                     | 22.47                                     | 22.55                                      | 22.50                              | 22.34                              | 22.42                               |
| 10       | QPSK       | 25      | 12        | 22.46                                     | 22.48                                     | 22.27                                      | 22.33                              | 22.35                              | 22.14                               |
| 10       | QPSK       | 25      | 25        | 22.32                                     | 22.45                                     | 22.32                                      | 22.19                              | 22.32                              | 22.19                               |
| 10       | QPSK       | 50      | 0         | 22.57                                     | 22.44                                     | 22.45                                      | 22.44                              | 22.31                              | 22.32                               |
| 10       | 16QAM      | 1       | 0         | 22.19                                     | 21.92                                     | 22.01                                      | 22.06                              | 21.79                              | 21.88                               |
| 10       | 16QAM      | 1       | 24        | 21.92                                     | 22.36                                     | 21.71                                      | 21.79                              | 22.23                              | 21.58                               |
| 10       | 16QAM      | 1       | 49        | 22.05                                     | 22.27                                     | 22.30                                      | 21.92                              | 22.14                              | 22.17                               |

## Band XII

| BW(MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>Low<br>Ch23017/<br>699.7MHz | POWER(dBm)<br>Mid<br>Ch23095/<br>707.5MHz | POWER(dBm)<br>High<br>Ch23173/<br>715.3MHz | ERP<br>Low<br>Ch23017/<br>699.7MHz | ERP<br>Mid<br>Ch23095/<br>707.5MHz | ERP<br>High<br>Ch23173/<br>715.3MHz |
|---------|------------|---------|-----------|---|---|--|------------------------------------|------------------------------------|-------------------------------------|
| 1.4     | QPSK       | 1       | 0         | 22.54                                     | 22.68                                     | 22.40                                      | 24.12                              | 24.26                              | 23.98                               |
| 1.4     | QPSK       | 1       | 3         | 22.79                                     | 22.83                                     | 22.98                                      | 24.37                              | 24.41                              | 24.56                               |
| 1.4     | QPSK       | 1       | 5         | 23.16                                     | 22.70                                     | 22.64                                      | 24.74                              | 24.28                              | 24.22                               |
| 1.4     | QPSK       | 3       | 0         | 22.93                                     | 22.98                                     | 22.97                                      | 24.51                              | 24.56                              | 24.55                               |
| 1.4     | QPSK       | 3       | 1         | 23.18                                     | 23.19                                     | 22.96                                      | 24.76                              | 24.77                              | 24.54                               |
| 1.4     | QPSK       | 3       | 3         | 23.09                                     | 22.96                                     | 22.89                                      | 24.67                              | 24.54                              | 24.47                               |
| 1.4     | QPSK       | 6       | 0         | 22.18                                     | 22.08                                     | 22.05                                      | 23.76                              | 23.66                              | 23.63                               |
| 1.4     | 16QAM      | 1       | 0         | 21.15                                     | 21.74                                     | 21.27                                      | 22.73                              | 23.32                              | 22.85                               |
| 1.4     | 16QAM      | 1       | 3         | 21.61                                     | 21.54                                     | 21.73                                      | 23.19                              | 23.12                              | 23.31                               |
| 1.4     | 16QAM      | 1       | 5         | 21.64                                     | 21.38                                     | 21.29                                      | 23.22                              | 22.96                              | 22.87                               |



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FCC ID: GX9CTC1052QT

| BW(MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>)<br>Low<br>Ch23025/<br>700.5MHz | POWER(dBm)<br>)<br>Mid<br>Ch23095/<br>707.5MHz | POWER(dBm)<br>High<br>Ch23165/<br>714.5MHz | ERP<br>Low<br>Ch23025/<br>700.5MHz | ERP<br>Mid<br>Ch23095/<br>707.5MHz | ERP<br>High<br>Ch23165/<br>714.5MHz |
|---------|------------|---------|-----------|--|--|--|------------------------------------|------------------------------------|-------------------------------------|
| 5       | QPSK       | 1       | 0         | 22.58  | 22.52  | 22.49                                      | 24.16                              | 24.10                              | 24.07                               |
| 5       | QPSK       | 1       | 12        | 22.92  | 23.01  | 23.06                                      | 24.50                              | 24.59                              | 24.64                               |
| 5       | QPSK       | 1       | 24        | 22.98  | 22.50  | 22.83                                      | 24.56                              | 24.08                              | 24.41                               |
| 5       | QPSK       | 12      | 0         | 22.04  | 21.99  | 22.04                                      | 23.62                              | 23.57                              | 23.62                               |
| 5       | QPSK       | 12      | 6         | 22.04  | 22.04  | 22.06                                      | 23.62                              | 23.62                              | 23.64                               |
| 5       | QPSK       | 12      | 13        | 22.09  | 22.12  | 22.04                                      | 23.67                              | 23.70                              | 23.62                               |
| 5       | QPSK       | 25      | 0         | 22.18  | 22.10  | 22.00                                      | 23.76                              | 23.68                              | 23.58                               |
| 5       | 16QAM      | 1       | 0         | 20.86  | 21.42  | 21.57                                      | 22.44                              | 23.00                              | 23.15                               |
| 5       | 16QAM      | 1       | 12        | 21.98  | 21.57  | 21.91                                      | 23.56                              | 23.15                              | 23.49                               |
| 5       | 16QAM      | 1       | 24        | 20.95  | 20.98  | 21.20                                      | 22.53                              | 22.56                              | 22.78                               |
| BW(MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>)<br>Low<br>Ch23035/<br>701.5MHz | POWER(dBm)<br>)<br>Mid<br>Ch23095/<br>707.5MHz | POWER(dBm)<br>High<br>Ch23155/<br>713.5MHz | ERP<br>Low<br>Ch23035/<br>701.5MHz | ERP<br>Mid<br>Ch23095/<br>707.5MHz | ERP<br>High<br>Ch23155/<br>713.5MHz |
| 10      | QPSK       | 1       | 0         | 22.80  | 22.78  | 22.86                                      | 24.38                              | 24.36                              | 24.44                               |
| 10      | QPSK       | 1       | 24        | 22.84  | 22.74  | 23.46                                      | 24.42                              | 24.32                              | 25.04                               |
| 10      | QPSK       | 1       | 49        | 22.95  | 22.62  | 22.72                                      | 24.53                              | 24.20                              | 24.30                               |
| 10      | QPSK       | 25      | 0         | 22.01  | 22.03  | 22.16                                      | 23.59                              | 23.61                              | 23.74                               |
| 10      | QPSK       | 25      | 12        | 22.23  | 22.12  | 22.11                                      | 23.81                              | 23.70                              | 23.69                               |
| 10      | QPSK       | 25      | 25        | 22.11  | 21.93  | 22.09                                      | 23.69                              | 23.51                              | 23.67                               |
| 10      | QPSK       | 50      | 0         | 22.16  | 22.05  | 22.14                                      | 23.74                              | 23.63                              | 23.72                               |
| 10      | 16QAM      | 1       | 0         | 21.44  | 21.61  | 22.07                                      | 23.02                              | 23.19                              | 23.65                               |
| 10      | 16QAM      | 1       | 24        | 21.06  | 21.74  | 21.16                                      | 22.64                              | 23.32                              | 22.74                               |
| 10      | 16QAM      | 1       | 49        | 21.70  | 21.10  | 20.84                                      | 23.28                              | 22.68                              | 22.42                               |

## Band XIII

| BW(MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>)<br>Low<br>Ch23205/<br>779.5MHz | POWER(dBm)<br>Mid<br>Ch23230/<br>782MHz | POWER(dBm)<br>)<br>High<br>Ch23255/<br>784.5MHz | ERP<br>Low<br>Ch23205/<br>779.5MHz | ERP<br>Mid<br>Ch23230/<br>782MHz | ERP<br>High<br>Ch23255/<br>784.5MHz |
|---------|------------|---------|-----------|--|---|---|------------------------------------|----------------------------------|-------------------------------------|
| 5       | QPSK       | 1       | 0         | 22.67  | 22.79                                   | 22.92   | 23.52                              | 23.64                            | 23.77                               |
| 5       | QPSK       | 1       | 12        | 23.06  | 23.39                                   | 23.23   | 23.91                              | 24.24                            | 24.08                               |
| 5       | QPSK       | 1       | 24        | 23.35  | 23.18                                   | 22.85   | 24.20                              | 24.03                            | 23.70                               |
| 5       | QPSK       | 12      | 0         | 22.14  | 22.21                                   | 22.36   | 22.99                              | 23.06                            | 23.21                               |
| 5       | QPSK       | 12      | 6         | 22.24  | 22.32                                   | 22.45   | 23.09                              | 23.17                            | 23.30                               |
| 5       | QPSK       | 12      | 13        | 22.21  | 22.30                                   | 22.25   | 23.06                              | 23.15                            | 23.10                               |
| 5       | QPSK       | 25      | 0         | 22.29  | 22.34                                   | 22.33   | 23.14                              | 23.19                            | 23.18                               |
| 5       | 16QAM      | 1       | 0         | 21.69  | 21.42                                   | 22.30   | 22.54                              | 22.27                            | 23.15                               |
| 5       | 16QAM      | 1       | 12        | 22.04  | 22.40                                   | 22.46   | 22.89                              | 23.25                            | 23.31                               |
| 5       | 16QAM      | 1       | 24        | 21.65  | 21.91                                   | 21.64   | 22.50                              | 22.76                            | 22.49                               |



# Worldwide Testing Services(Taiwan) Co., Ltd.

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FCC ID: GX9CTC1052QT

| BW(MHz) | Modulation | RB Size | RB offset | POWER(dBm)<br>Low&Mid&High<br>Ch23230/782MHz | ERP<br>Mid<br>Ch23230/782MHz |
|---------|------------|---------|-----------|--|------------------------------|
| 10      | QPSK       | 1       | 0         | 23.01  | 23.86                        |
| 10      | QPSK       | 1       | 24        | 23.66  | 24.51                        |
| 10      | QPSK       | 1       | 49        | 22.92  | 23.77                        |
| 10      | QPSK       | 25      | 0         | 22.32  | 23.17                        |
| 10      | QPSK       | 25      | 12        | 22.34  | 23.19                        |
| 10      | QPSK       | 25      | 25        | 22.34  | 23.19                        |
| 10      | QPSK       | 50      | 0         | 22.47  | 23.32                        |
| 10      | 16QAM      | 1       | 0         | 21.80  | 22.65                        |
| 10      | 16QAM      | 1       | 24        | 22.33  | 23.18                        |
| 10      | 16QAM      | 1       | 49        | 21.54  | 22.39                        |

Test equipment: ETSTW-GSM 002, ETSTW-GSM 004

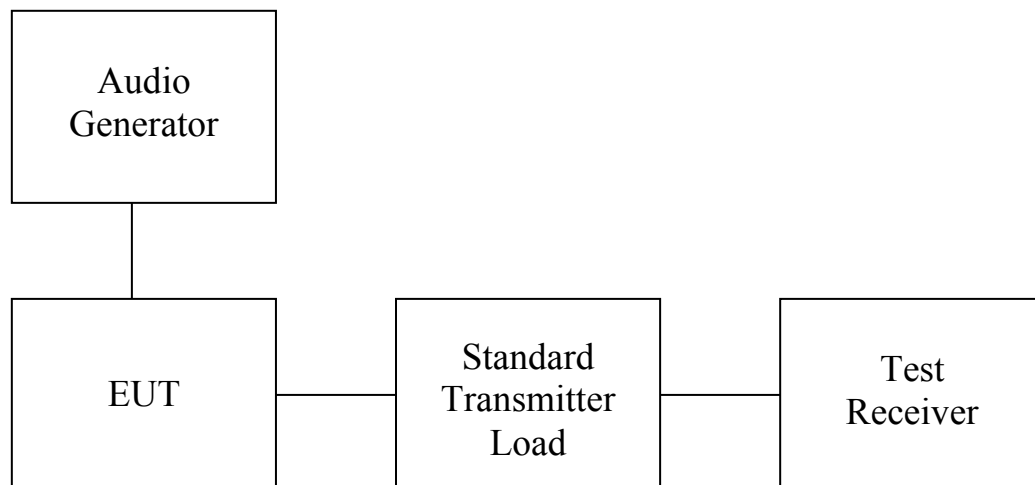
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

## 4. Modulation Characteristics

### 4.1 Test procedure

- A curve or equivalent data showing the frequency response of the audio modulating circuit over a range of 100 to 5000 Hz shall be submitted.  
The audio signal generator is connected to the audio input of the EUT with its full rating. The modulation response is measured at certain modulation frequencies, related to 1000Hz reference signal. Tests are performed for positive and negative modulation.
- Equipment which employs modulation Limiting: A curve or family of curves showing the percentage of modulation versus the modulation input voltage shall be supplied. The audio signal generator is connected to the audio input of the EUT with its full rating. The modulation limiting is measured at certain modulation frequencies from 100Hz to 15kHz.



### 4.2 Test Results

For digital modulation employed, this test item is not applicable.



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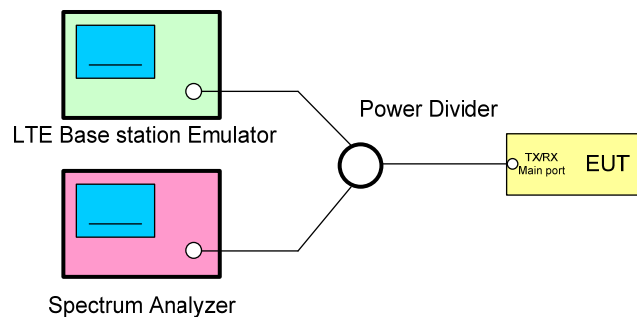
## 5. Peak-to-Average Ratio

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure. The measurement must be performed using a signal corresponding to the highest PAPR expected during periods of continuous transmission.

### 5.1 Test procedure

1. The EUT main port was connected to the LTE emulator and spectrum analyzer via power divider
2. For Spectrum Analyzer setting :
3. Set the CCDF function in spectrum analyzer.
4. Set  $RBW \geq$  signal's occupied bandwidth.
5. Set the number of counts to a value that stabilizes the measured CCDF curve.
6. Set the measurement interval (sweep time) to 1ms.
7. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1%
8. Record the deviation as Peak to Average Ratio.

### 5.2 Test Set up



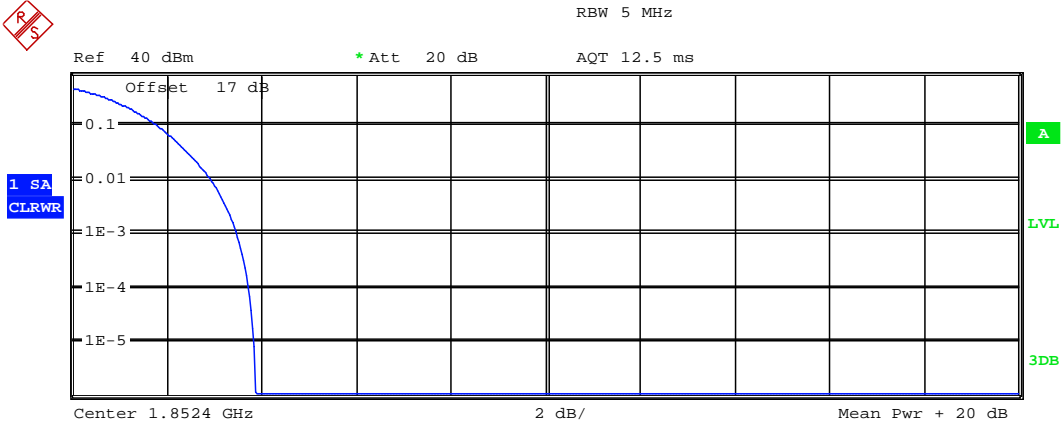


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### 5.3 Test Results

Test date: August 13, 2020  
Temperature: 24.5 °C  
Humidity: 48.6 %  
Tester: Kent

WCDMA  
Band II



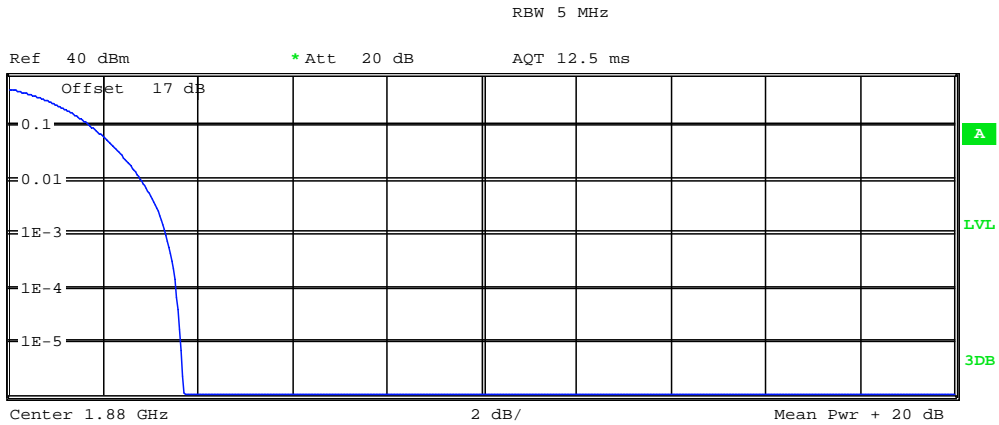
Complementary Cumulative Distribution Function (100000 samples)

| Trace 1 |           |
|---------|-----------|
| Mean    | 21.40 dBm |
| Peak    | 25.27 dBm |
| Crest   | 3.87 dB   |
| 10 %    | 1.79 dB   |
| 1 %     | 2.92 dB   |
| .1 %    | 3.46 dB   |
| .01 %   | 3.72 dB   |

Date: 13.AUG.2020 19:12:19



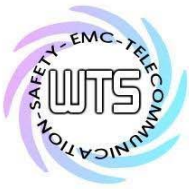
Report Number: W6R22011-20409-P-247  
FCC ID: GX9CTC1052QT



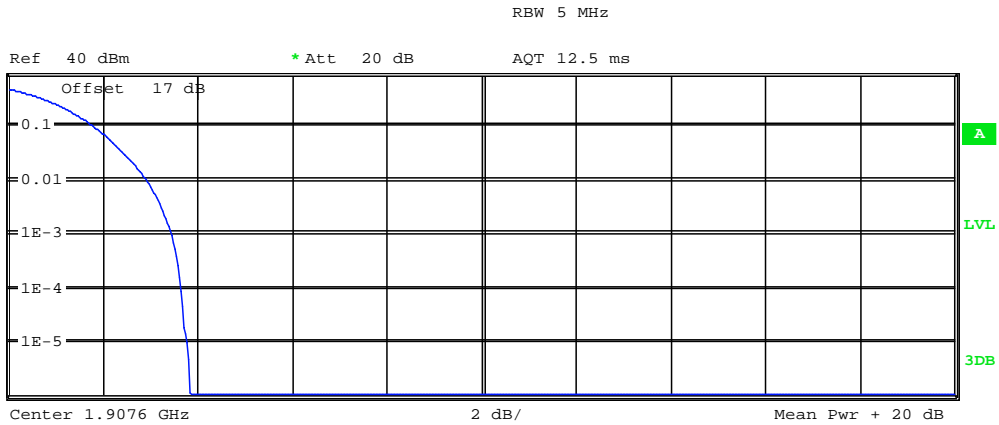
Complementary Cumulative Distribution Function (100000 samples)

| Trace 1 |           |
|---------|-----------|
| Mean    | 21.22 dBm |
| Peak    | 24.91 dBm |
| Crest   | 3.70 dB   |
| 10 %    | 1.76 dB   |
| 1 %     | 2.79 dB   |
| .1 %    | 3.33 dB   |
| .01 %   | 3.56 dB   |

Date: 13.AUG.2020 19:12:47



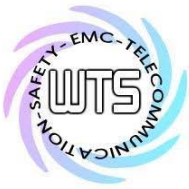
Report Number: W6R22011-20409-P-247  
FCC ID: GX9CTC1052QT



Complementary Cumulative Distribution Function (100000 samples)

| Trace 1 |           |
|---------|-----------|
| Mean    | 21.21 dBm |
| Peak    | 25.06 dBm |
| Crest   | 3.84 dB   |
| 10 %    | 1.79 dB   |
| 1 %     | 2.92 dB   |
| .1 %    | 3.46 dB   |
| .01 %   | 3.65 dB   |

Date: 13.AUG.2020 19:13:11



# Worldwide Testing Services(Taiwan) Co., Ltd.

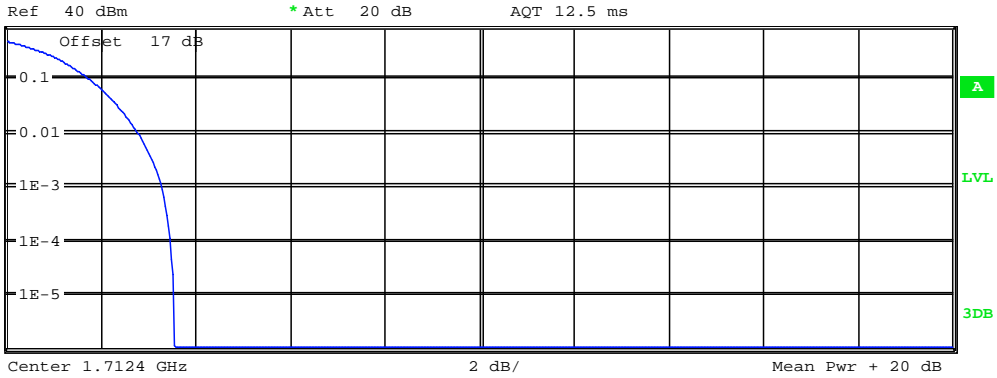
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

Band IV



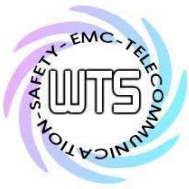
RBW 5 MHz



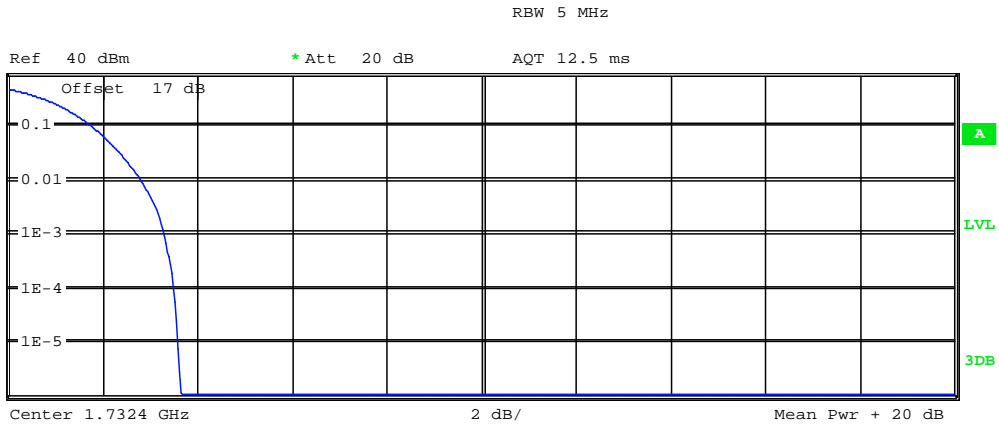
Complementary Cumulative Distribution Function (100000 samples)

| Trace 1 |           |
|---------|-----------|
| Mean    | 21.50 dBm |
| Peak    | 25.06 dBm |
| Crest   | 3.55 dB   |
| 10 %    | 1.76 dB   |
| 1 %     | 2.79 dB   |
| .1 %    | 3.30 dB   |
| .01 %   | 3.46 dB   |

Date: 13.AUG.2020 19:13:38



Report Number: W6R22011-20409-P-247  
FCC ID: GX9CTC1052QT



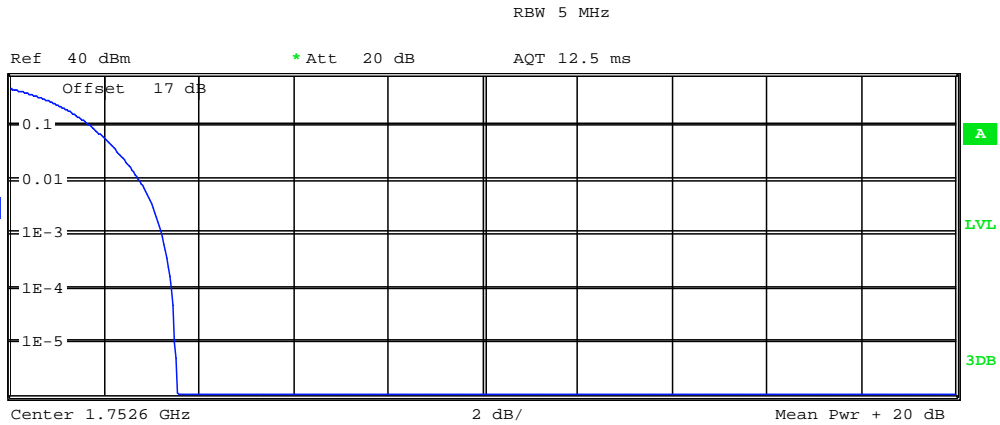
Complementary Cumulative Distribution Function (100000 samples)

| Trace 1 |           |
|---------|-----------|
| Mean    | 21.21 dBm |
| Peak    | 24.84 dBm |
| Crest   | 3.64 dB   |
| 10 %    | 1.76 dB   |
| 1 %     | 2.79 dB   |
| .1 %    | 3.30 dB   |
| .01 %   | 3.49 dB   |

Date: 13.AUG.2020 19:14:02



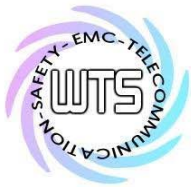
Report Number: W6R22011-20409-P-247  
FCC ID: GX9CTC1052QT



Complementary Cumulative Distribution Function (100000 samples)

| Trace 1 |           |
|---------|-----------|
| Mean    | 21.29 dBm |
| Peak    | 24.84 dBm |
| Crest   | 3.55 dB   |
| 10 %    | 1.73 dB   |
| 1 %     | 2.76 dB   |
| .1 %    | 3.24 dB   |
| .01 %   | 3.43 dB   |

Date: 13.AUG.2020 19:14:23



# Worldwide Testing Services(Taiwan) Co., Ltd.

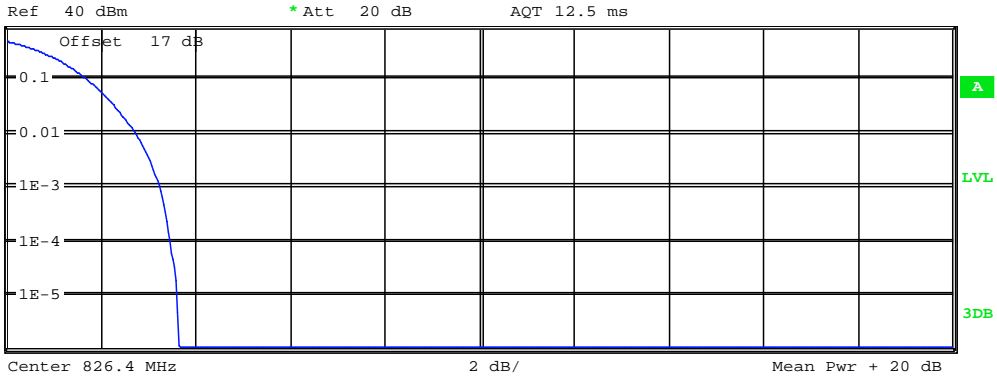
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

Band V



RBW 5 MHz

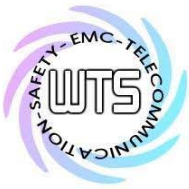


Complementary Cumulative Distribution Function (100000 samples)

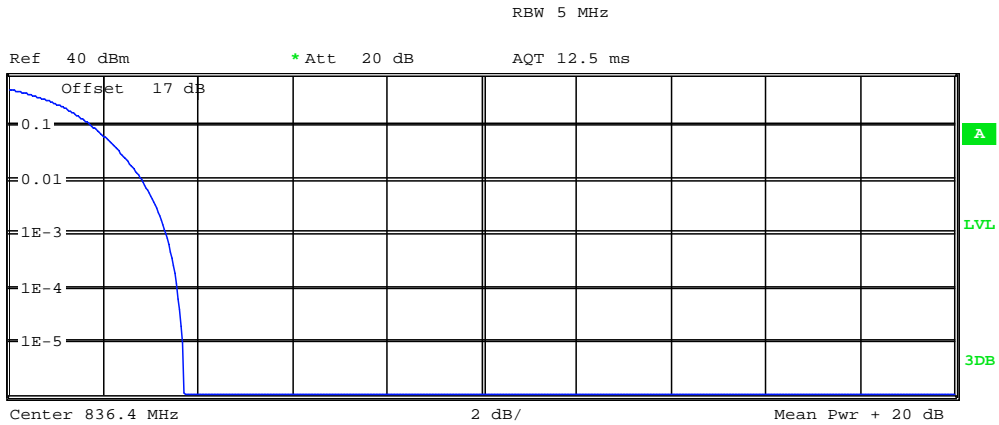
| Trace 1 |           |
|---------|-----------|
| Mean    | 22.49 dBm |
| Peak    | 26.11 dBm |
| Crest   | 3.63 dB   |
| 10 %    | 1.70 dB   |
| 1 %     | 2.72 dB   |
| .1 %    | 3.24 dB   |
| .01 %   | 3.46 dB   |

Date: 13.AUG.2020 19:15:03





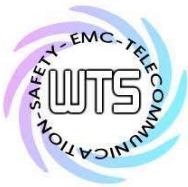
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



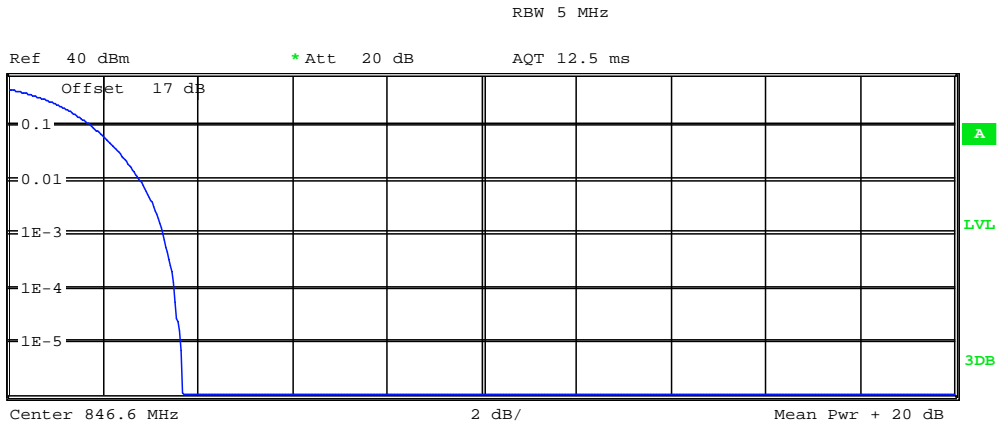
Complementary Cumulative Distribution Function (100000 samples)

| Trace 1 |           |
|---------|-----------|
| Mean    | 22.61 dBm |
| Peak    | 26.33 dBm |
| Crest   | 3.71 dB   |
| 10 %    | 1.76 dB   |
| 1 %     | 2.82 dB   |
| .1 %    | 3.33 dB   |
| .01 %   | 3.56 dB   |

Date: 13.AUG.2020 19:15:28



Report Number: W6R22011-20409-P-247  
FCC ID: GX9CTC1052QT



Complementary Cumulative Distribution Function (100000 samples)

Trace 1  
Mean 22.44 dBm  
Peak 26.11 dBm  
Crest 3.67 dB

10 % 1.76 dB  
1 % 2.79 dB  
.1 % 3.27 dB  
.01 % 3.49 dB

Date: 13.AUG.2020 19:15:47



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

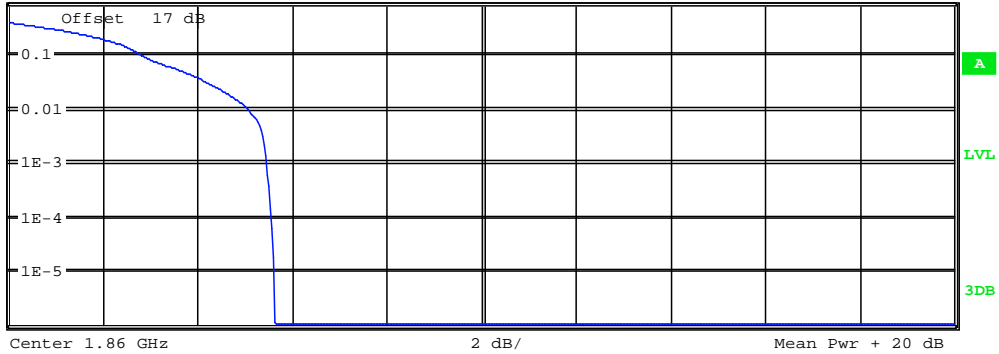
LTE

Band II



RBW 10 MHz

Ref 40 dBm \*Att 20 dB AQT 3.125 ms

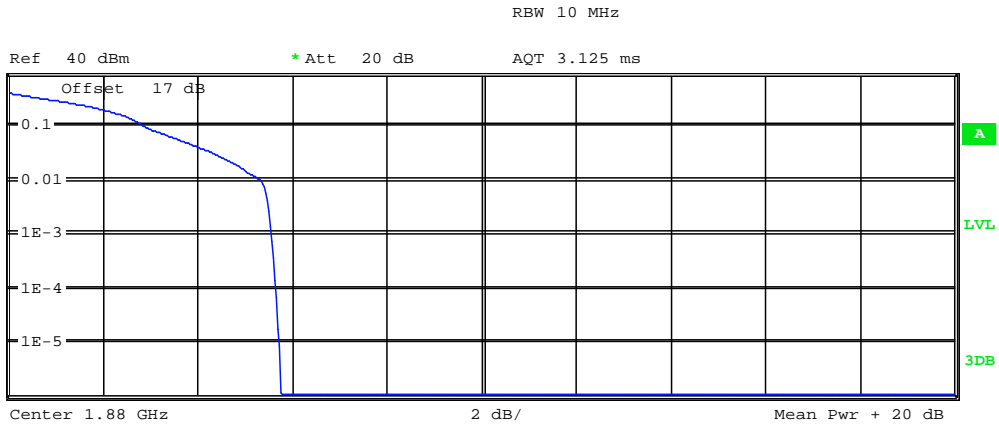


| Trace 1 |           |
|---------|-----------|
| Mean    | 15.63 dBm |
| Peak    | 21.25 dBm |
| Crest   | 5.61 dB   |
| 10 %    | 2.85 dB   |
| 1 %     | 5.06 dB   |
| .1 %    | 5.45 dB   |
| .01 %   | 5.58 dB   |

Date: 13.AUG.2020 19:25:53



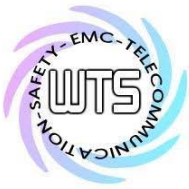
Report Number: W6R22011-20409-P-247  
FCC ID: GX9CTC1052QT



Complementary Cumulative Distribution Function (100000 samples)

| Trace 1 |           |
|---------|-----------|
| Mean    | 15.42 dBm |
| Peak    | 21.18 dBm |
| Crest   | 5.76 dB   |
| 10 %    | 2.92 dB   |
| 1 %     | 5.32 dB   |
| .1 %    | 5.58 dB   |
| .01 %   | 5.67 dB   |

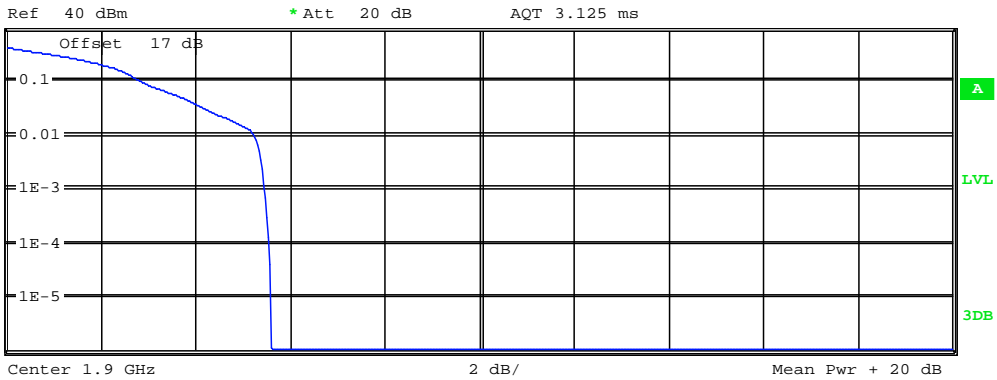
Date: 13.AUG.2020 19:26:26



Report Number: W6R22011-20409-P-247  
FCC ID: GX9CTC1052QT



RBW 10 MHz



Complementary Cumulative Distribution Function (100000 samples)

| Trace 1 |           |
|---------|-----------|
| Mean    | 14.60 dBm |
| Peak    | 20.19 dBm |
| Crest   | 5.58 dB   |
| 10 %    | 2.85 dB   |
| 1 %     | 5.22 dB   |
| .1 %    | 5.45 dB   |
| .01 %   | 5.54 dB   |

Date: 13.AUG.2020 19:26:54



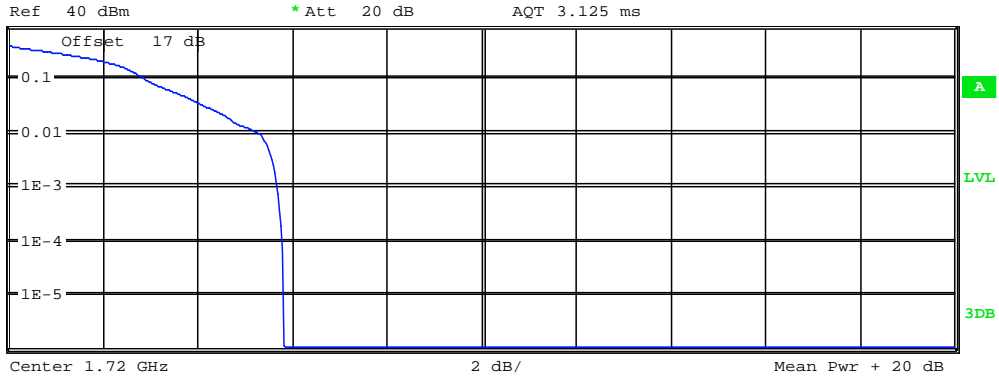
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

Band IV



RBW 10 MHz



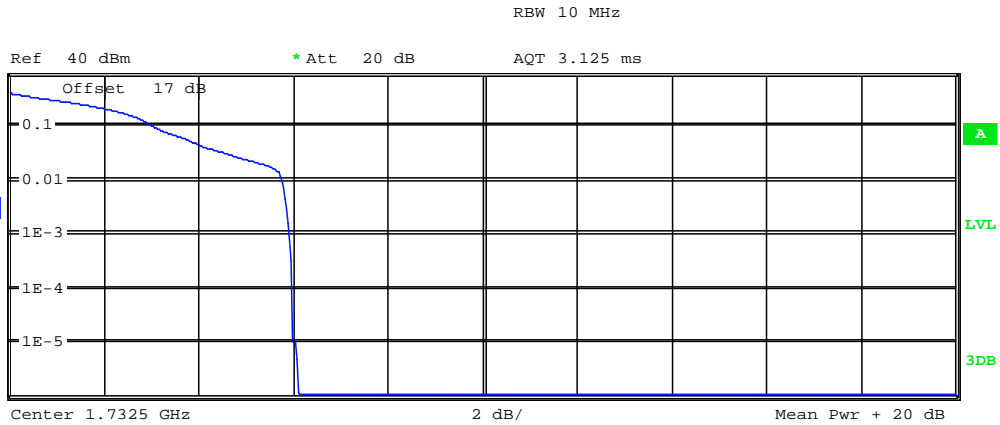
Complementary Cumulative Distribution Function (100000 samples)

| Trace 1 |           |
|---------|-----------|
| Mean    | 14.80 dBm |
| Peak    | 20.61 dBm |
| Crest   | 5.81 dB   |
| 10 %    | 2.88 dB   |
| 1 %     | 5.29 dB   |
| .1 %    | 5.67 dB   |
| .01 %   | 5.80 dB   |

Date: 13.AUG.2020 19:27:57



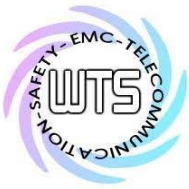
Report Number: W6R22011-20409-P-247  
FCC ID: GX9CTC1052QT



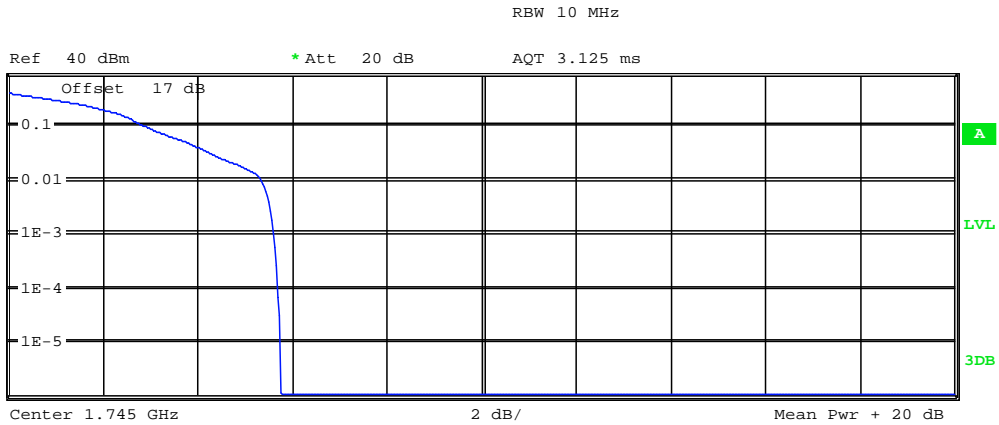
Complementary Cumulative Distribution Function (100000 samples)

| Trace 1 |           |
|---------|-----------|
| Mean    | 15.13 dBm |
| Peak    | 21.25 dBm |
| Crest   | 6.11 dB   |
| 10 %    | 3.08 dB   |
| 1 %     | 5.77 dB   |
| .1 %    | 5.93 dB   |
| .01 %   | 5.99 dB   |

Date: 13.AUG.2020 19:28:43



Report Number: W6R22011-20409-P-247  
FCC ID: GX9CTC1052QT



Complementary Cumulative Distribution Function (100000 samples)

| Trace 1 |           |
|---------|-----------|
| Mean    | 14.72 dBm |
| Peak    | 20.47 dBm |
| Crest   | 5.75 dB   |
|         |           |
| 10 %    | 2.92 dB   |
| 1 %     | 5.35 dB   |
| .1 %    | 5.61 dB   |
| .01 %   | 5.71 dB   |

Date: 13.AUG.2020 19:29:07





# Worldwide Testing Services(Taiwan) Co., Ltd.

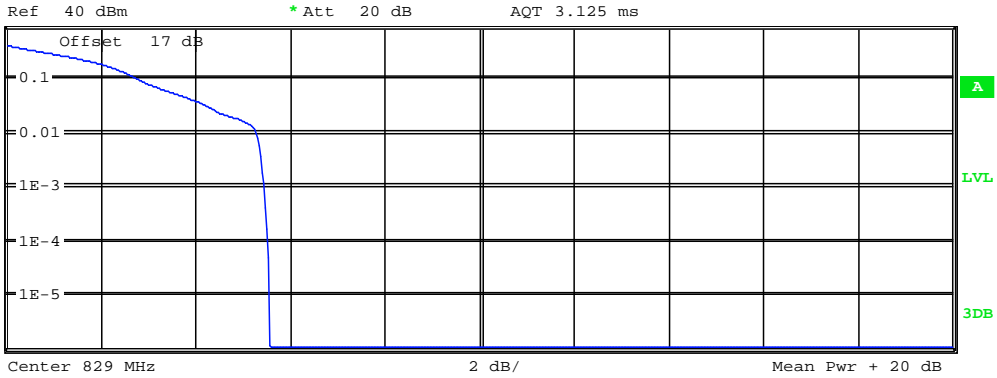
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

Band V



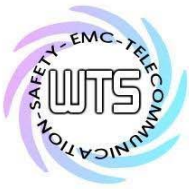
RBW 10 MHz



Complementary Cumulative Distribution Function (100000 samples)

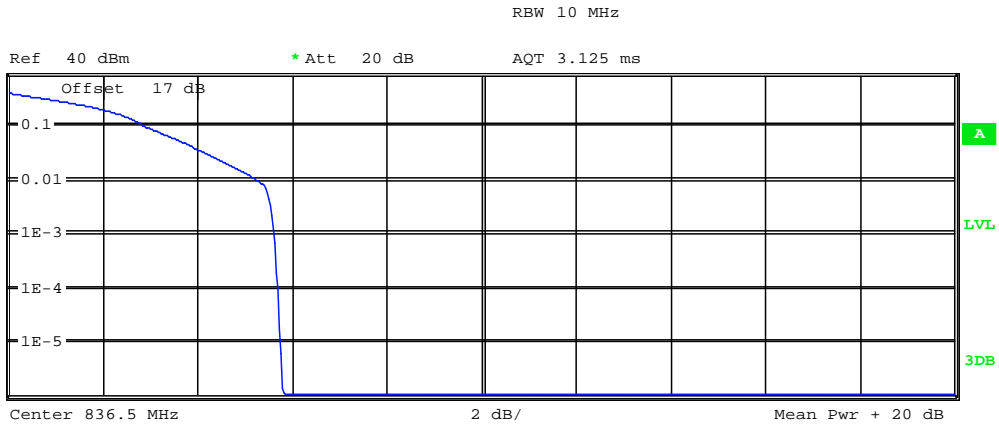
| Trace 1 |           |
|---------|-----------|
| Mean    | 19.79 dBm |
| Peak    | 25.34 dBm |
| Crest   | 5.55 dB   |
| 10 %    | 2.79 dB   |
| 1 %     | 5.29 dB   |
| .1 %    | 5.45 dB   |
| .01 %   | 5.54 dB   |

Date: 13.AUG.2020 20:14:21



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
FCC ID: GX9CTC1052QT



Complementary Cumulative Distribution Function (100000 samples)

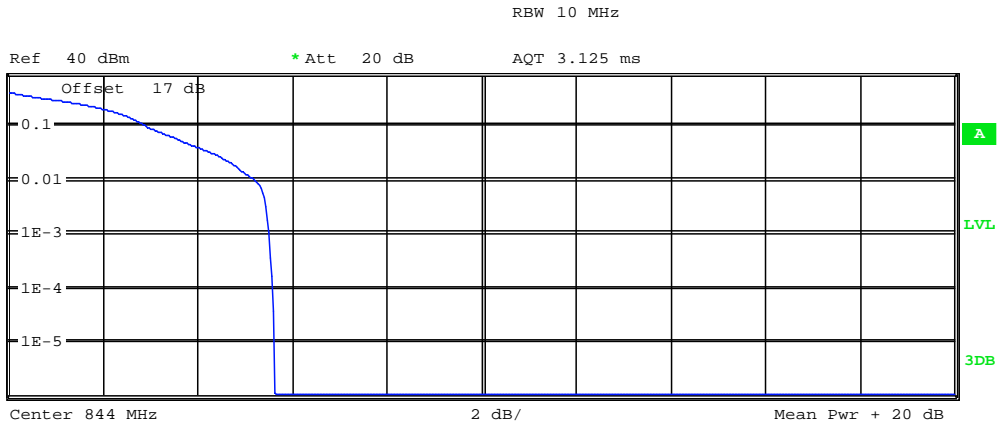
| Trace 1 |           |
|---------|-----------|
| Mean    | 20.45 dBm |
| Peak    | 26.26 dBm |
| Crest   | 5.80 dB   |
| 10 %    | 2.92 dB   |
| 1 %     | 5.26 dB   |
| .1 %    | 5.61 dB   |
| .01 %   | 5.71 dB   |

Date: 13.AUG.2020 20:14:43



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Complementary Cumulative Distribution Function (100000 samples)

| Trace 1 |           |
|---------|-----------|
| Mean    | 19.94 dBm |
| Peak    | 25.55 dBm |
| Crest   | 5.61 dB   |
| 10 %    | 2.95 dB   |
| 1 %     | 5.22 dB   |
| .1 %    | 5.51 dB   |
| .01 %   | 5.61 dB   |

Date: 13.AUG.2020 20:15:05



# Worldwide Testing Services(Taiwan) Co., Ltd.

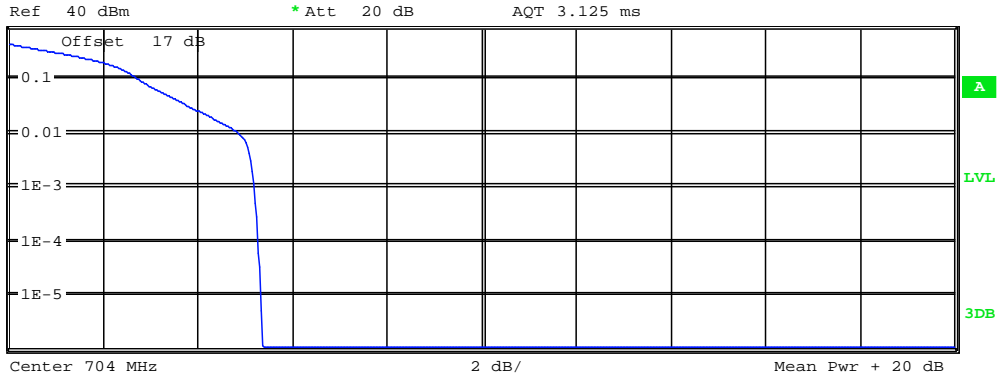
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

Band XII



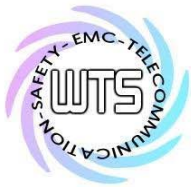
RBW 10 MHz



Complementary Cumulative Distribution Function (100000 samples)

| Trace 1 |           |
|---------|-----------|
| Mean    | 20.13 dBm |
| Peak    | 25.48 dBm |
| Crest   | 5.35 dB   |
| 10 %    | 2.76 dB   |
| 1 %     | 4.87 dB   |
| .1 %    | 5.19 dB   |
| .01 %   | 5.29 dB   |

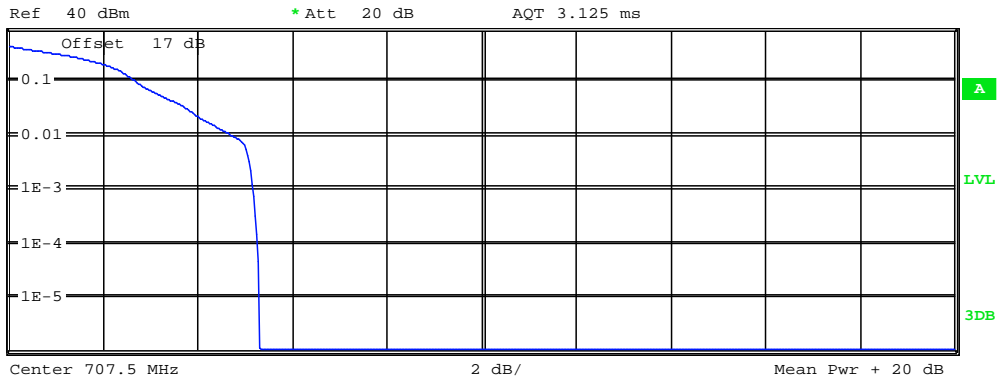
Date: 13.AUG.2020 20:17:54



Report Number: W6R22011-20409-P-247  
FCC ID: GX9CTC1052QT



RBW 10 MHz



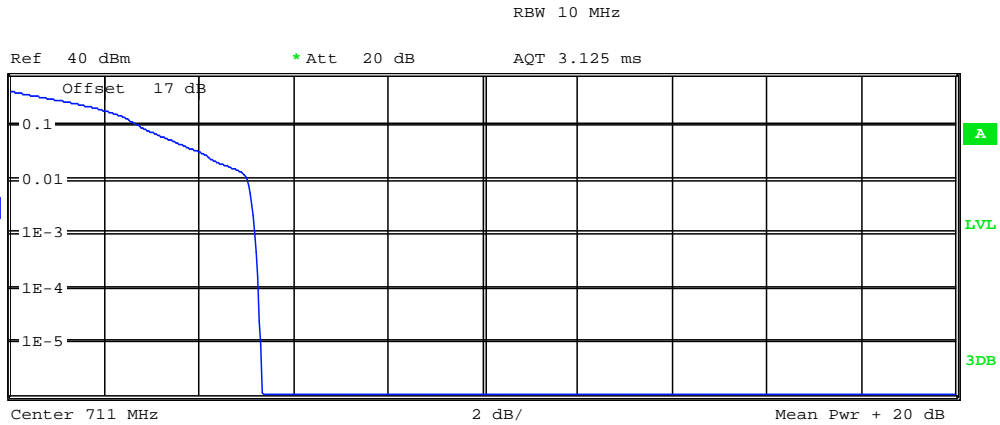
Complementary Cumulative Distribution Function (100000 samples)

| Trace 1 |           |
|---------|-----------|
| Mean    | 19.41 dBm |
| Peak    | 24.70 dBm |
| Crest   | 5.29 dB   |
| 10 %    | 2.69 dB   |
| 1 %     | 4.71 dB   |
| .1 %    | 5.16 dB   |
| .01 %   | 5.26 dB   |

Date: 13.AUG.2020 20:18:15



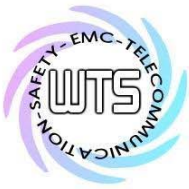
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Complementary Cumulative Distribution Function (100000 samples)

| Trace 1 |           |
|---------|-----------|
| Mean    | 19.72 dBm |
| Peak    | 25.06 dBm |
| Crest   | 5.33 dB   |
| 10 %    | 2.79 dB   |
| 1 %     | 5.03 dB   |
| .1 %    | 5.19 dB   |
| .01 %   | 5.26 dB   |

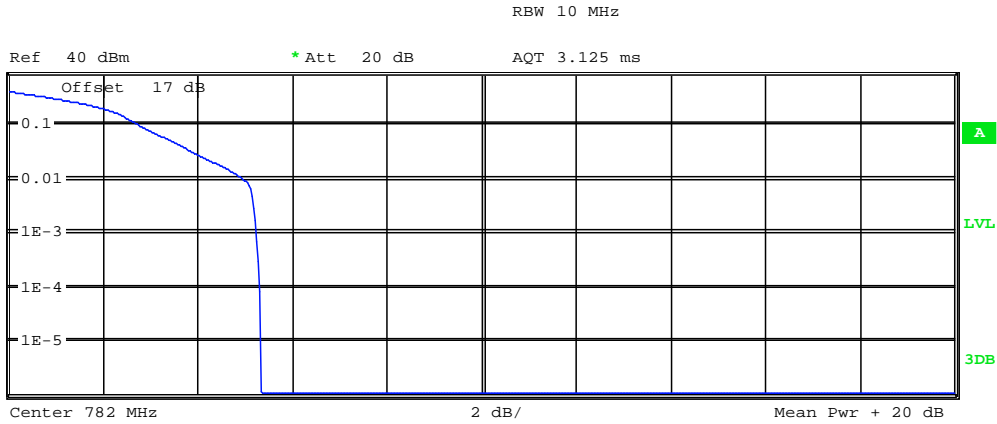
Date: 13.AUG.2020 20:18:41



Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

Band XIII



Complementary Cumulative Distribution Function (100000 samples)

| Trace 1 |           |
|---------|-----------|
| Mean    | 22.62 dBm |
| Peak    | 27.95 dBm |
| Crest   | 5.32 dB   |
|         |           |
| 10 %    | 2.79 dB   |
| 1 %     | 4.97 dB   |
| .1 %    | 5.26 dB   |
| .01 %   | 5.32 dB   |

Date: 13.AUG.2020 20:19:38

Limit according to FCC §24.232 and §27.50, The peak-to-average ratio(PAR) of the transmission may not exceed 13dB.

Test equipment: ETSTW-RE 055, ETSTW-GSM 002, ETSTW-GSM 023, ETSTW-GSM 004

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

**6. Occupied Bandwidth**

The occupied bandwidth (OBW) is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to a specified percentage 0.5% of the total mean transmitted power.

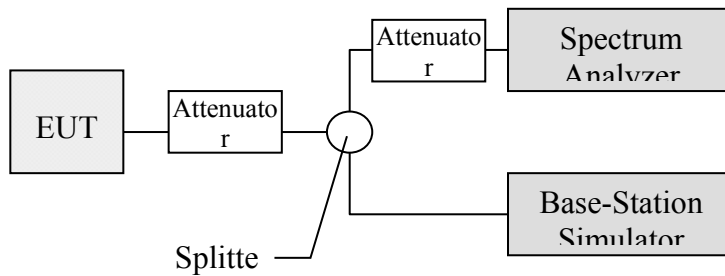
The 26 dB occupied bandwidth is the width of a frequency band such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal 26 dB.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

**6.1 Test procedure**

The RF output of the transceiver was connected as the following figure.

Occupied Bandwidth was measured with a occupied bandwidth function of the analyzer at 99% power was occupied. Then set the spectrum analyzer to cover the upper and lower band edges to



measure emission mask.





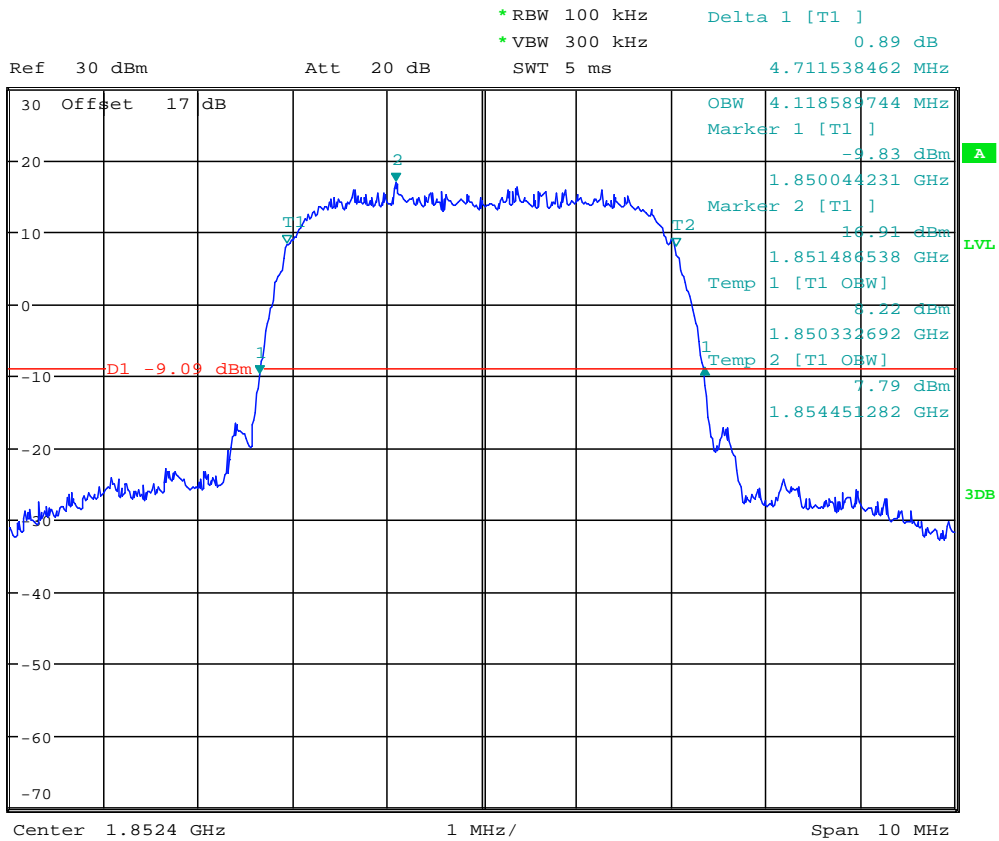
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

**6.2 Test Results**

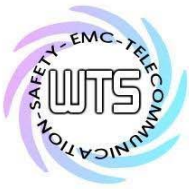
Test date: August 06, 2020  
 Temperature: 24.9 °C  
 Humidity: 48.2 %  
 Tester: Kent

**Occupied Channel Bandwidth**

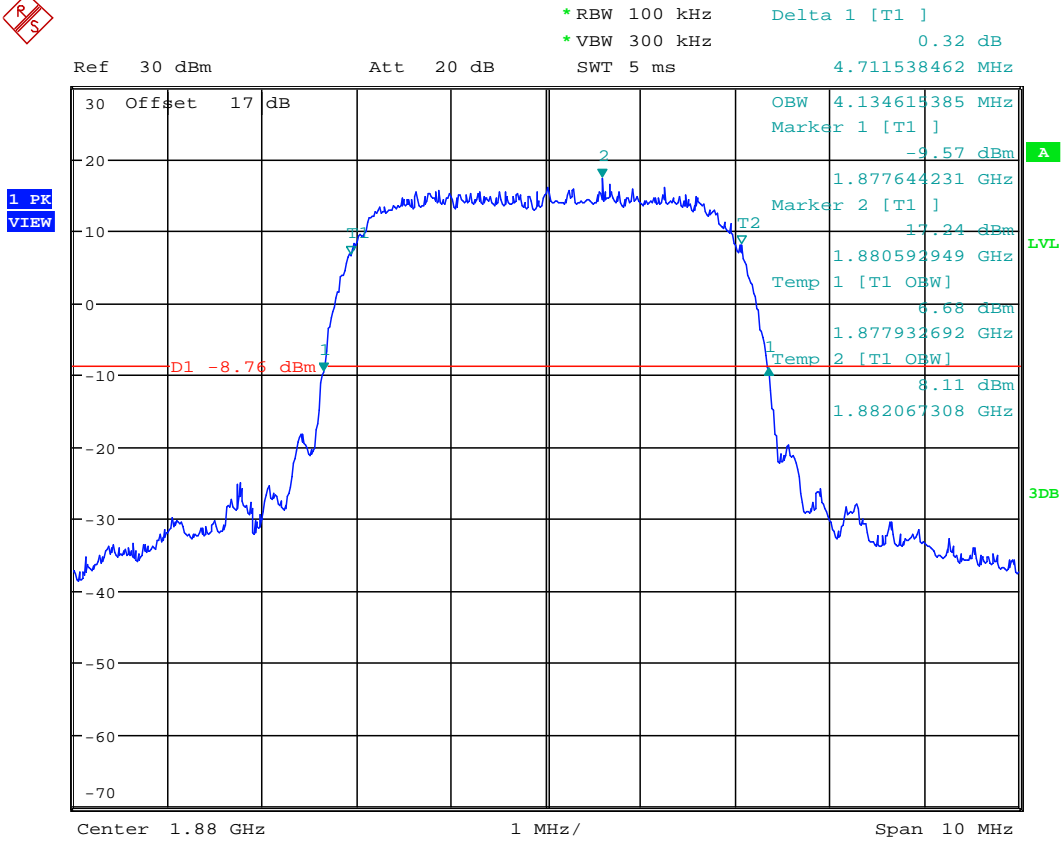
WCDMA  
 Band II



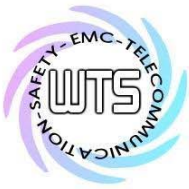
Date: 6.AUG.2020 16:10:07



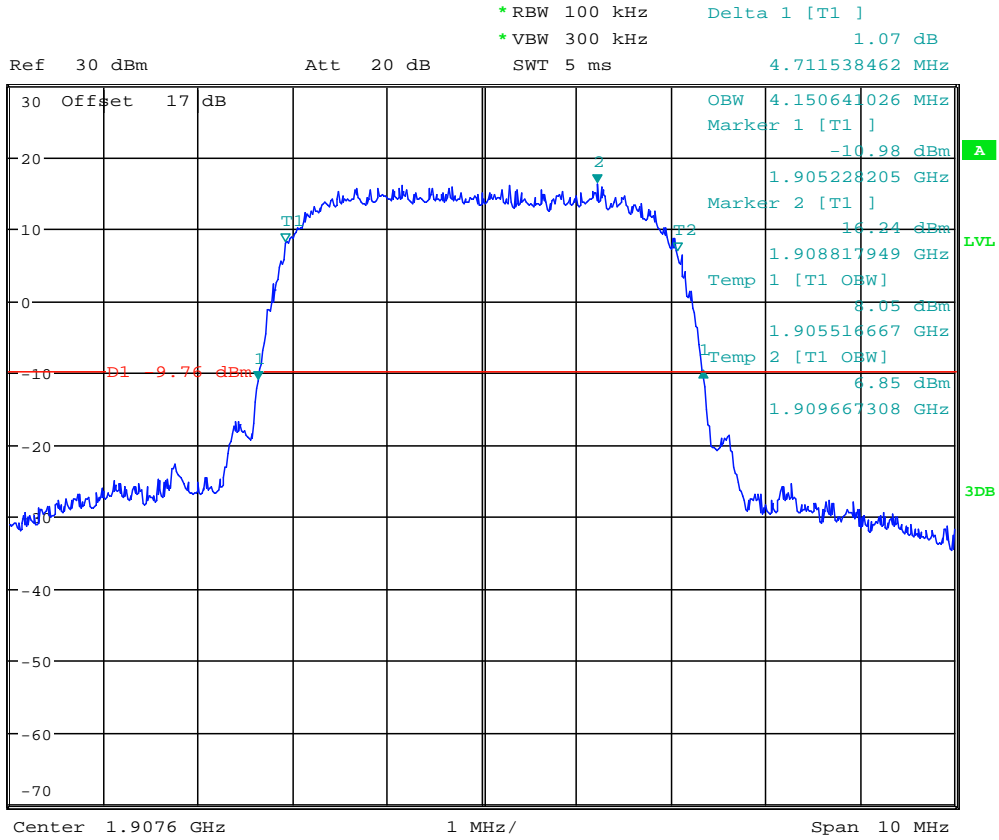
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



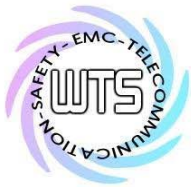
Date: 6.AUG.2020 16:11:06



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



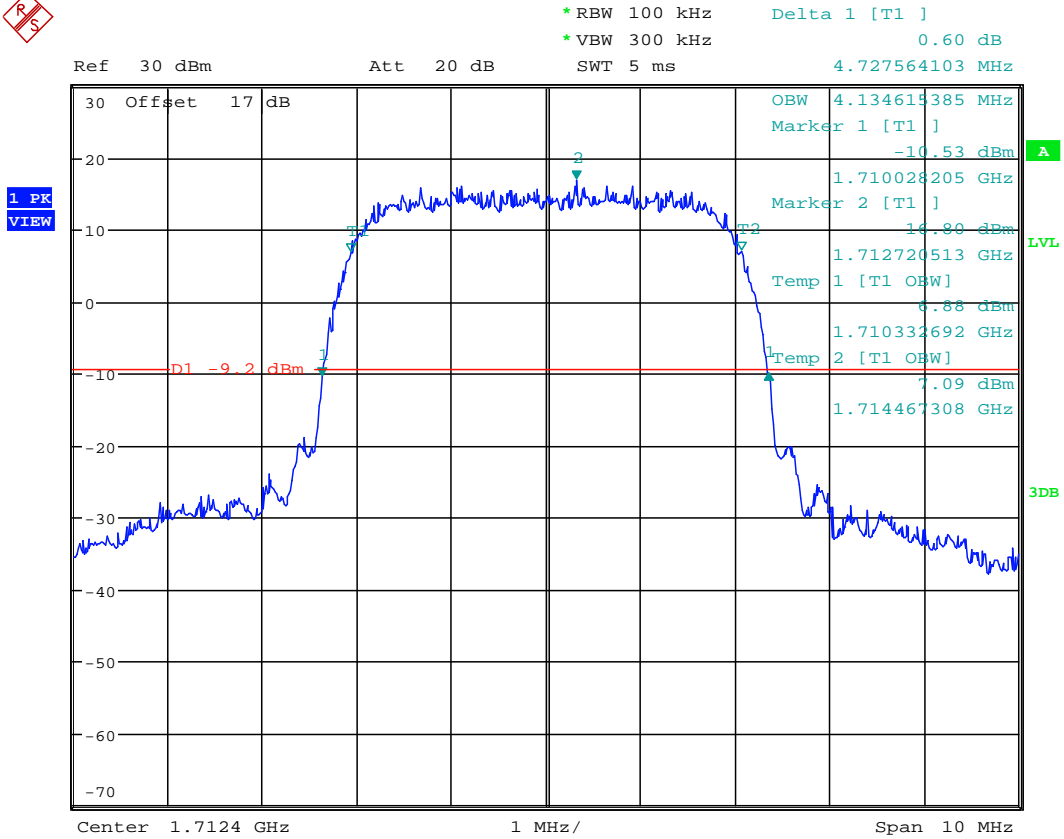
Date: 6.AUG.2020 16:12:11



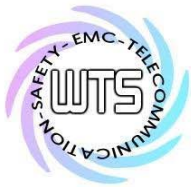
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

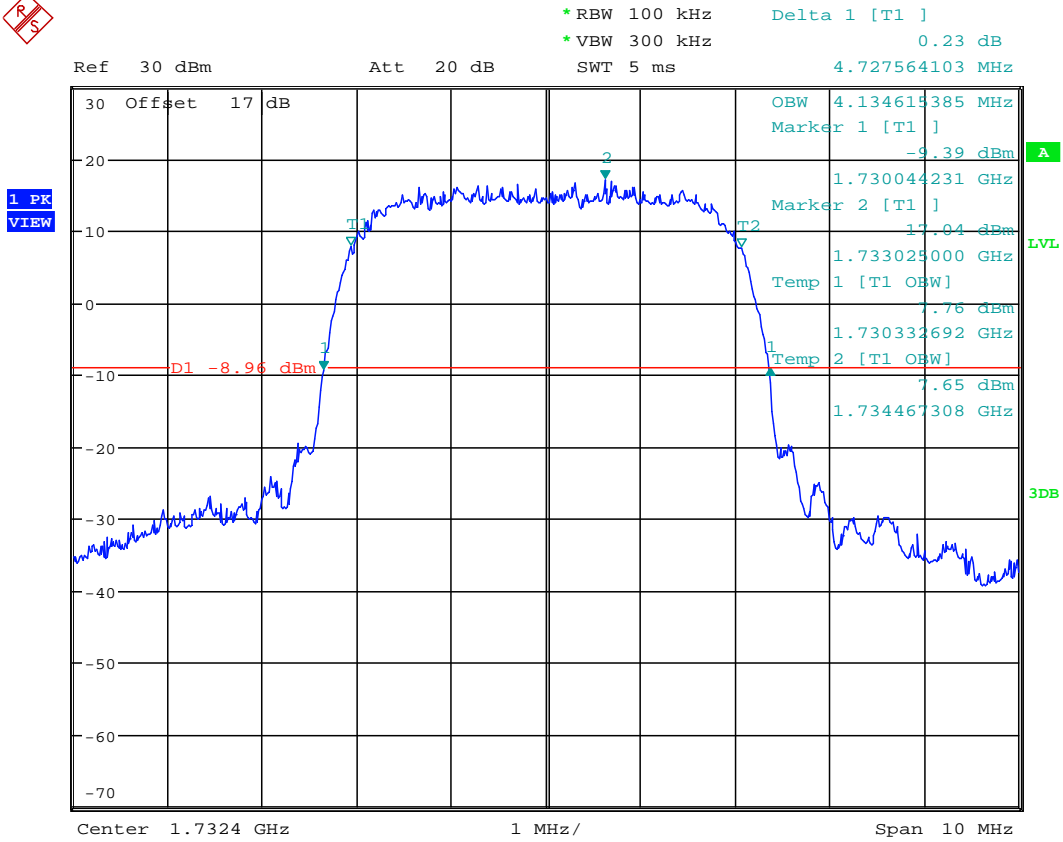
Band IV



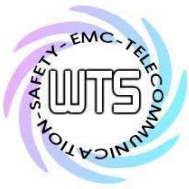
Date: 6.AUG.2020 16:13:30



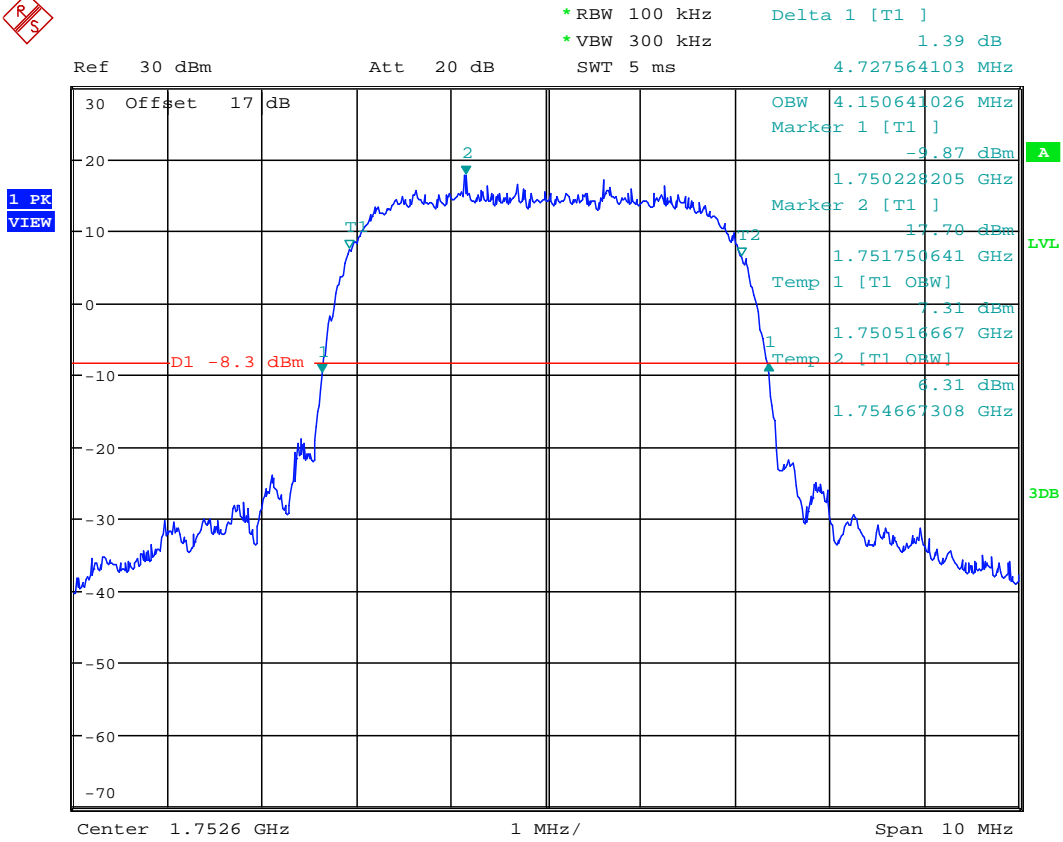
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



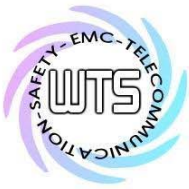
Date: 6.AUG.2020 16:14:27



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Date: 6.AUG.2020 16:15:27

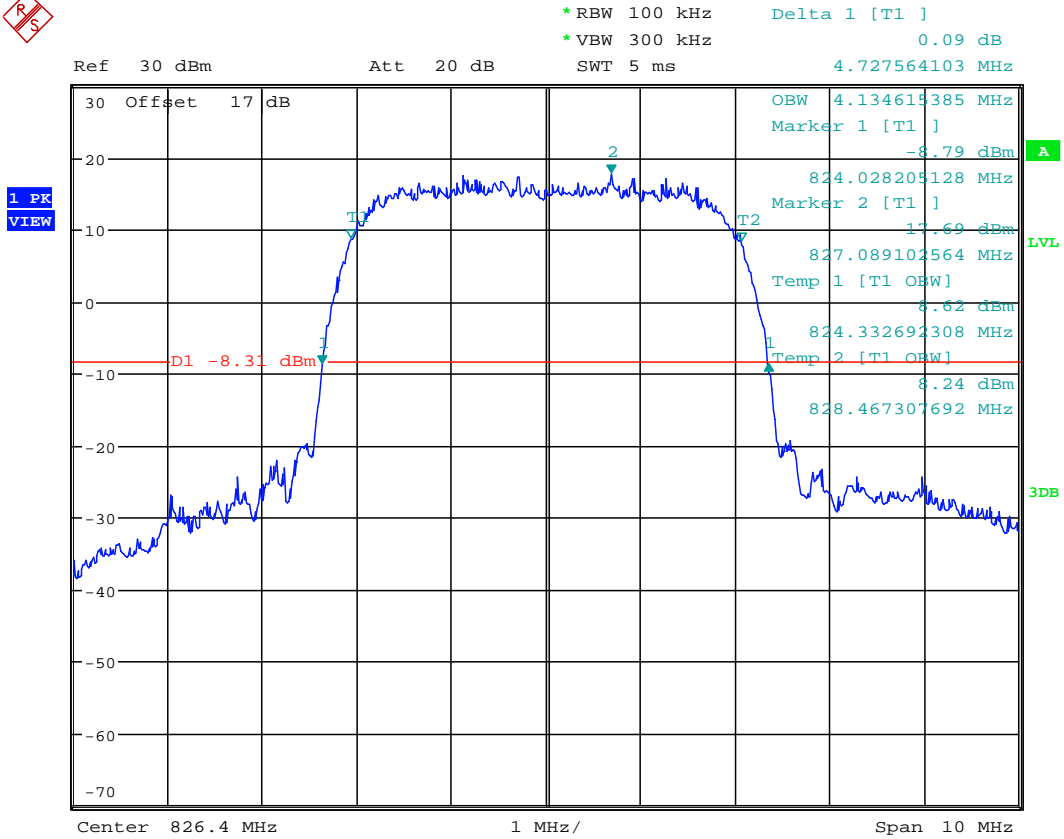


# Worldwide Testing Services(Taiwan) Co., Ltd.

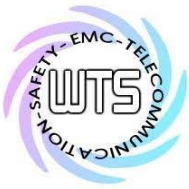
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

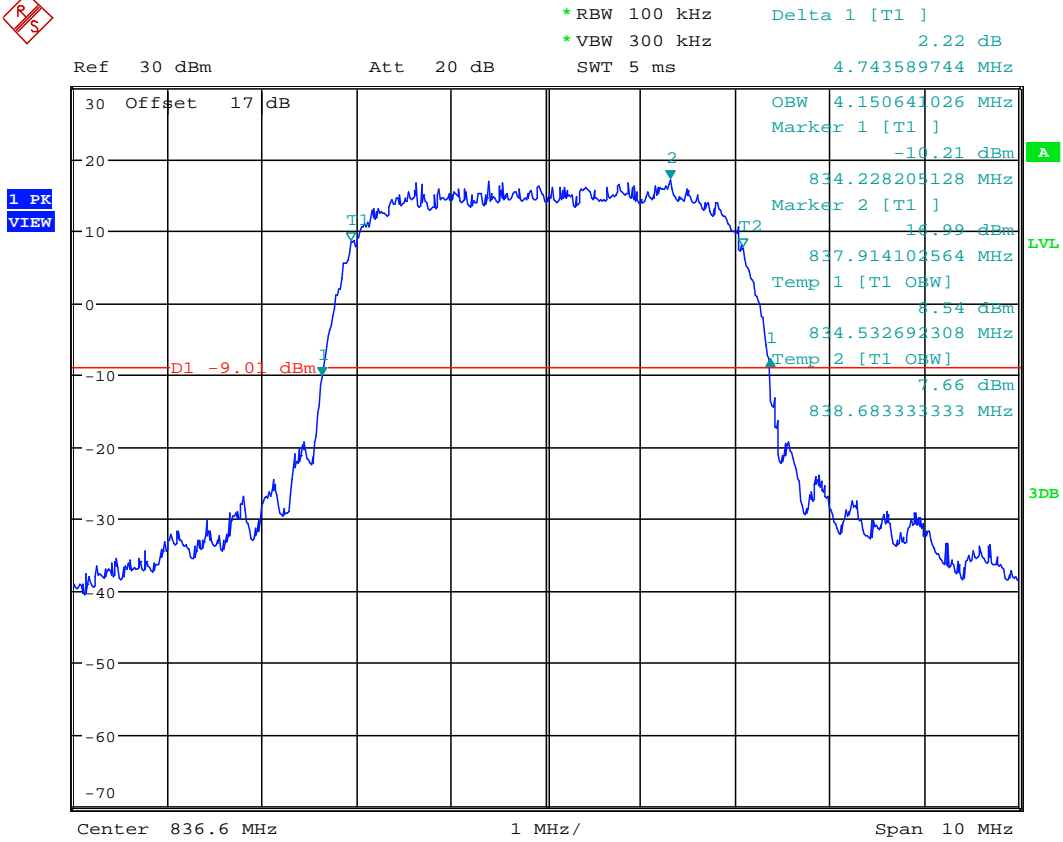
Band V



Date: 6.AUG.2020 16:16:22

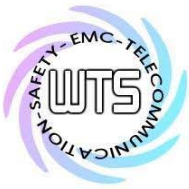


Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Date: 6.AUG.2020 16:17:24

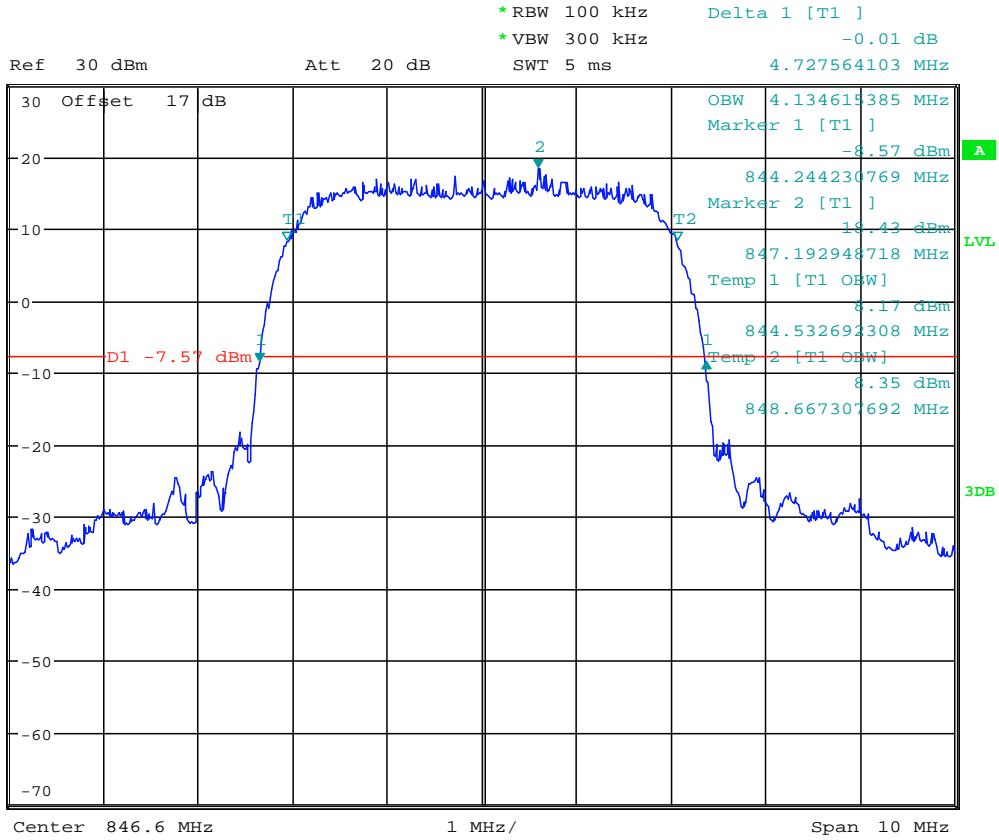




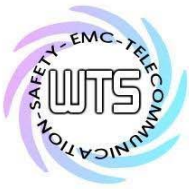
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



1 PK  
VIEW



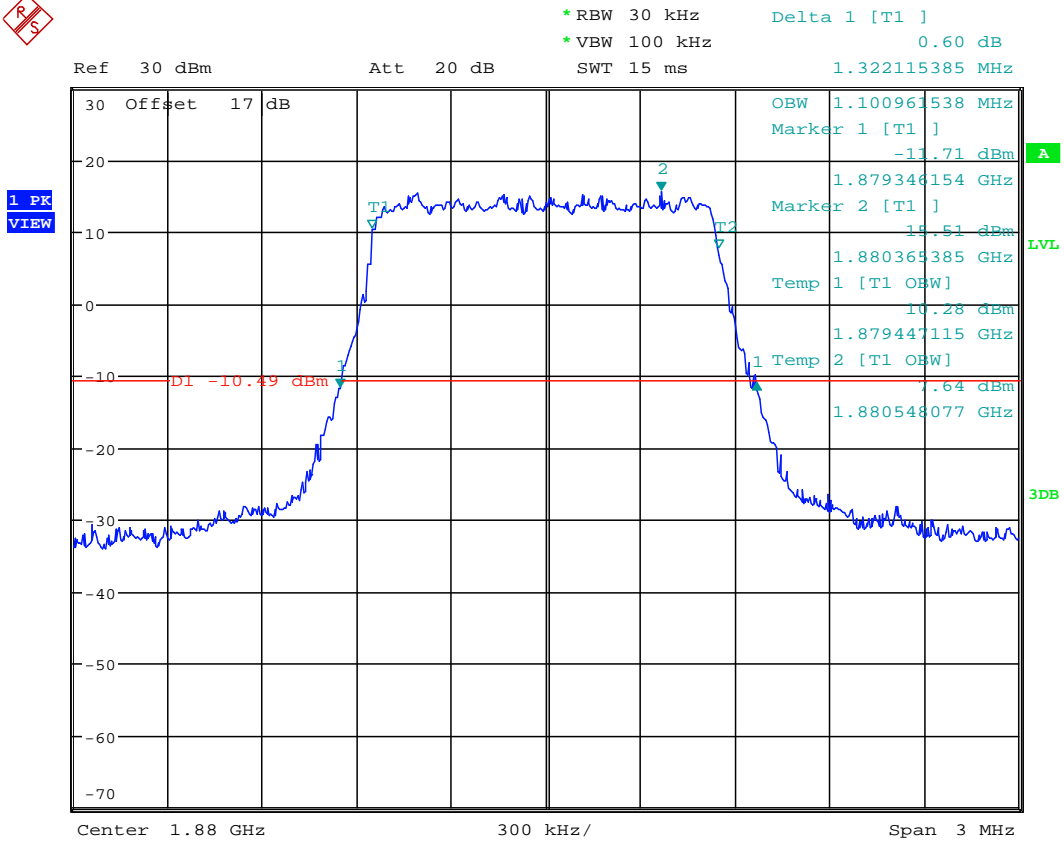
Date: 6.AUG.2020 16:18:21



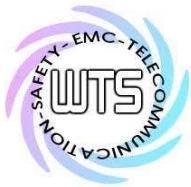
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

LTE  
 Band II  
 QPSK  
 1.4MHz



Date: 6.AUG.2020 16:30:34

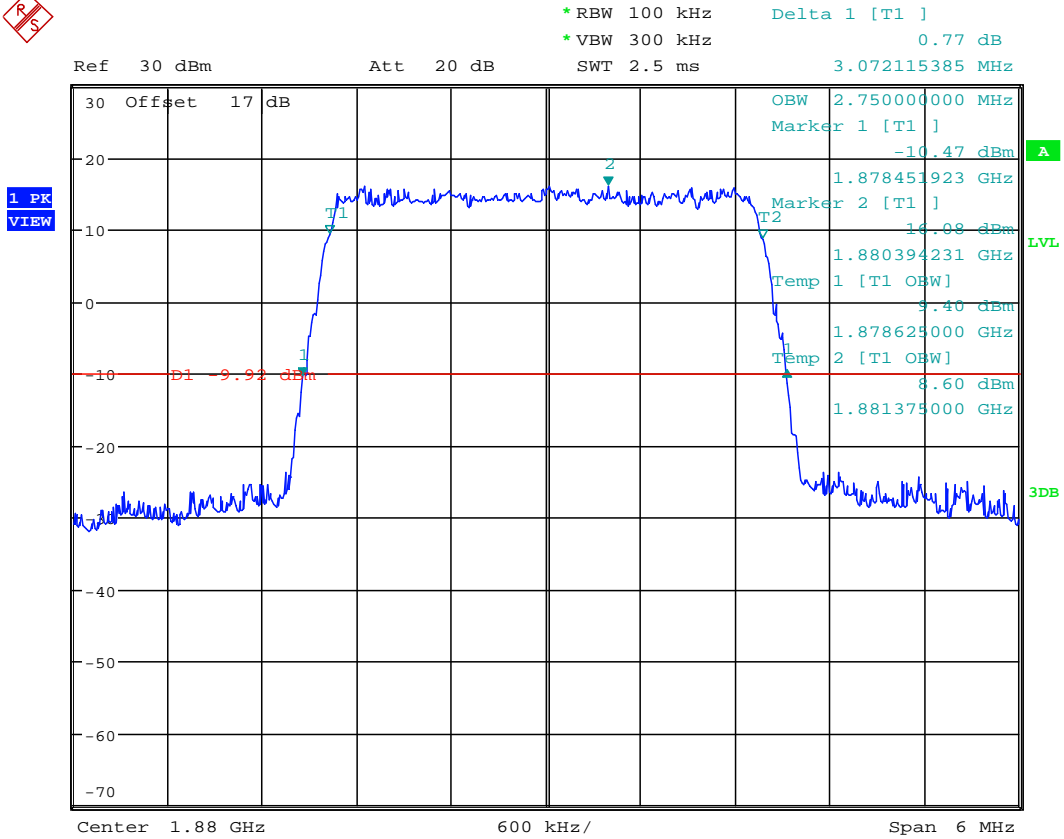


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz



Date: 6.AUG.2020 16:32:02



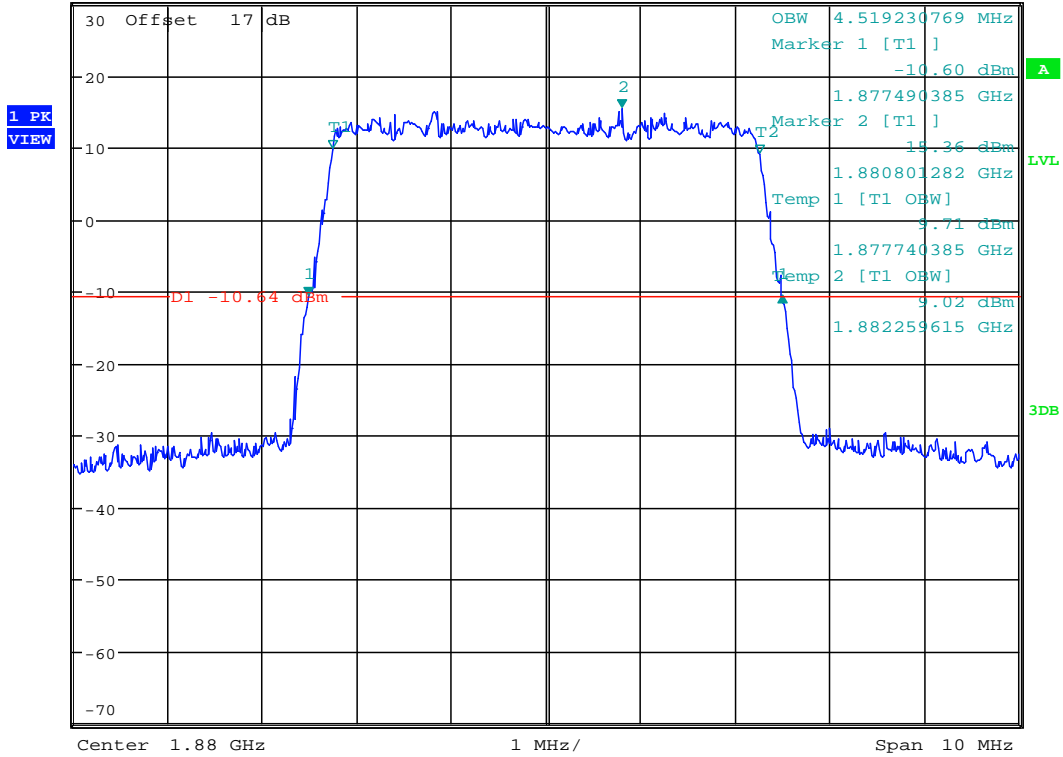
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

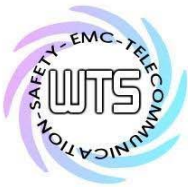
5MHz



\*RBW 100 kHz      Delta 1 [T1 ]  
 \*VBW 300 kHz      -0.05 dB  
 Ref 30 dBm      Att 20 dB      SWT 5 ms      5.011217949 MHz



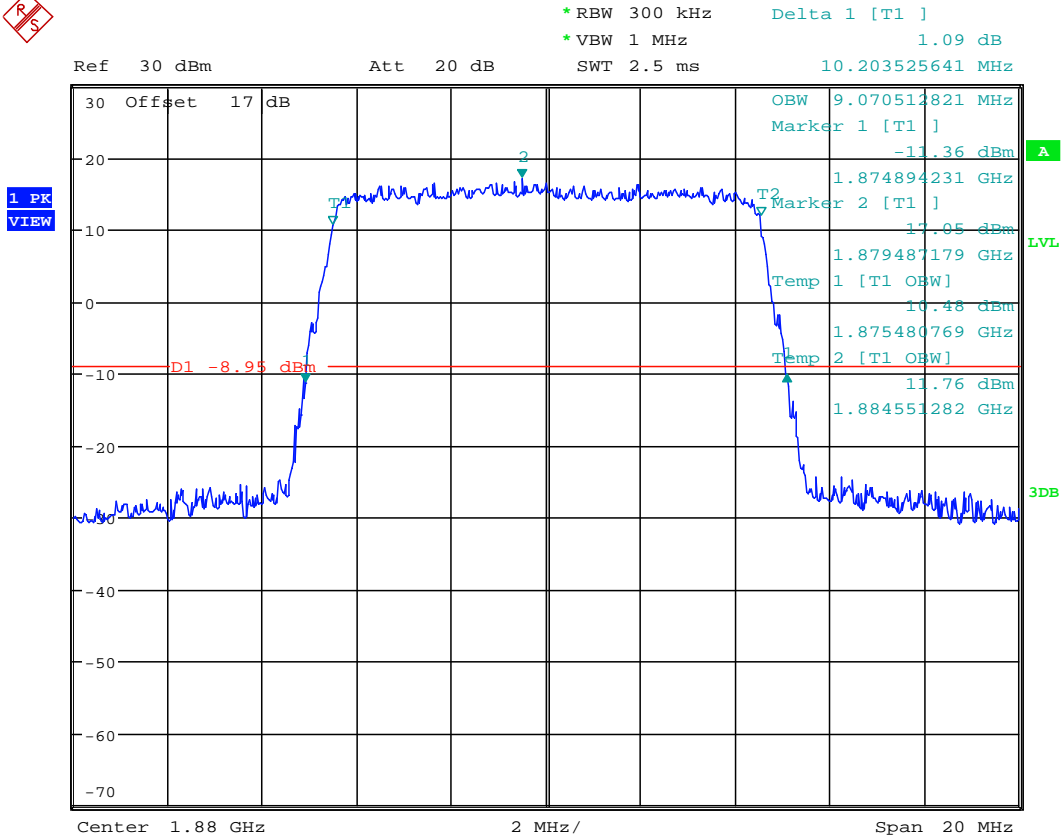
Date: 6.AUG.2020 16:33:22



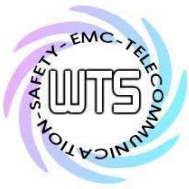
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

10MHz



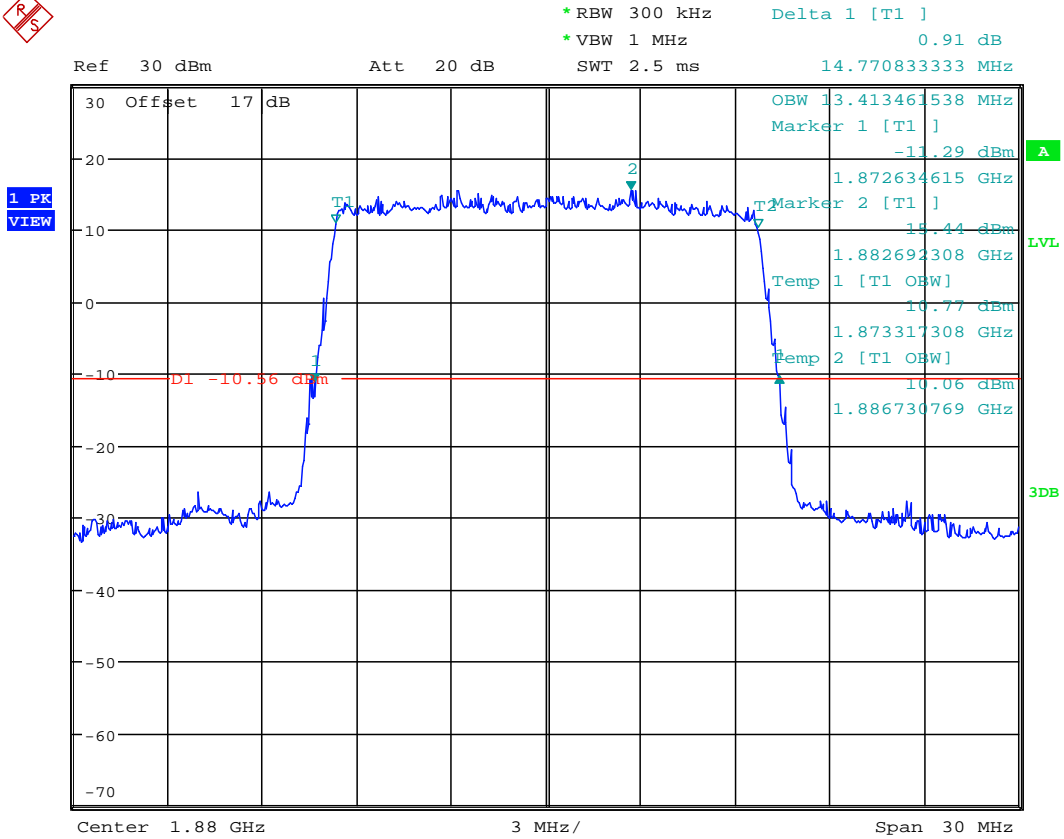
Date: 6.AUG.2020 16:34:32



Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

15MHz



Date: 6.AUG.2020 16:35:40

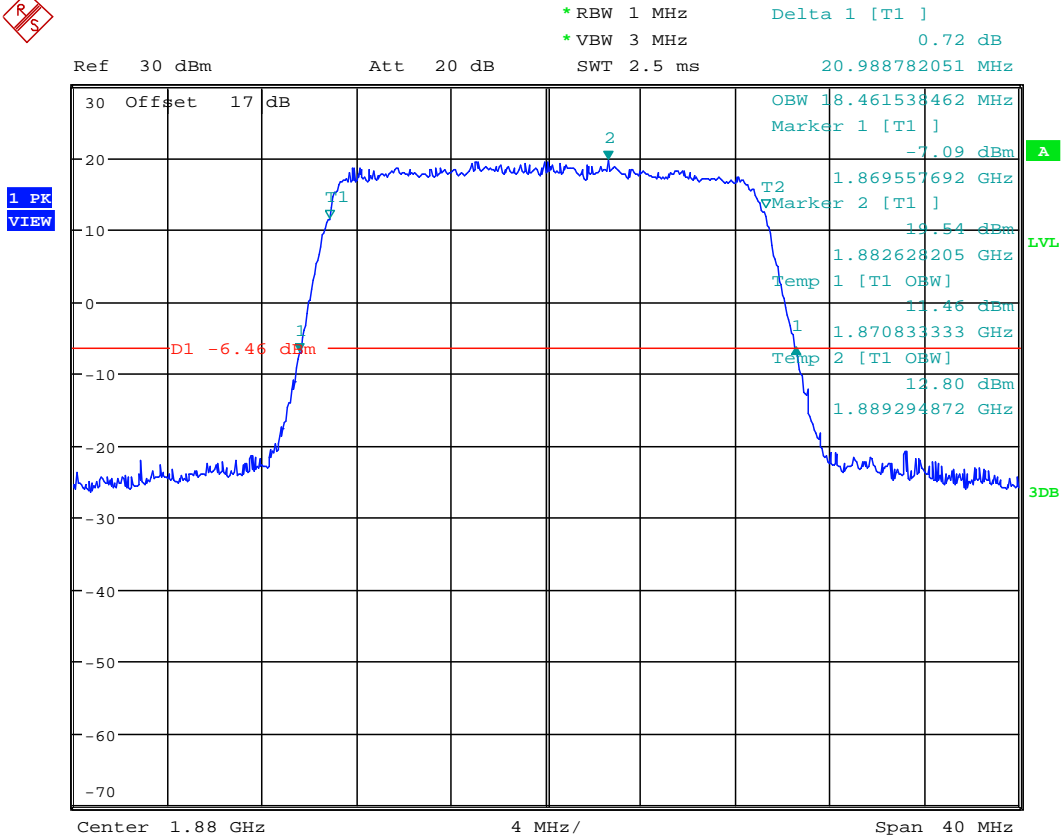


# Worldwide Testing Services(Taiwan) Co., Ltd.

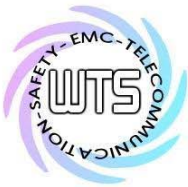
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

20MHz



Date: 6.AUG.2020 16:36:42



# Worldwide Testing Services(Taiwan) Co., Ltd.

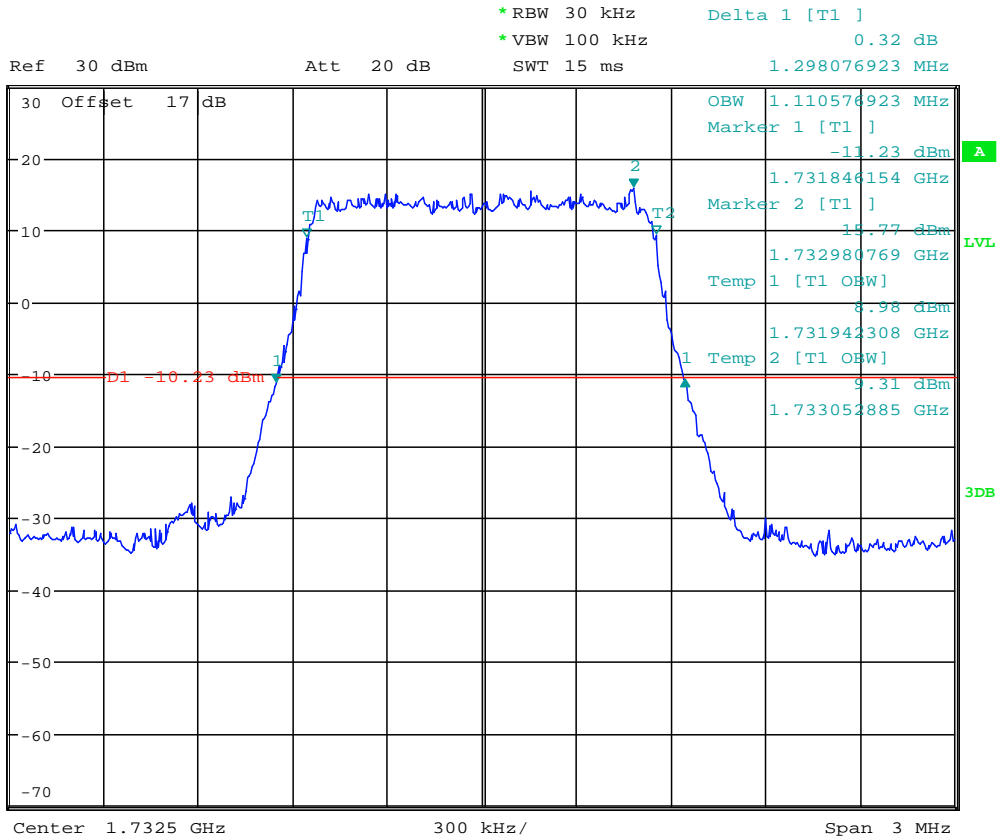
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

Band IV

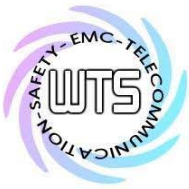
QPSK

1.4MHz



Date: 6.AUG.2020 16:38:50

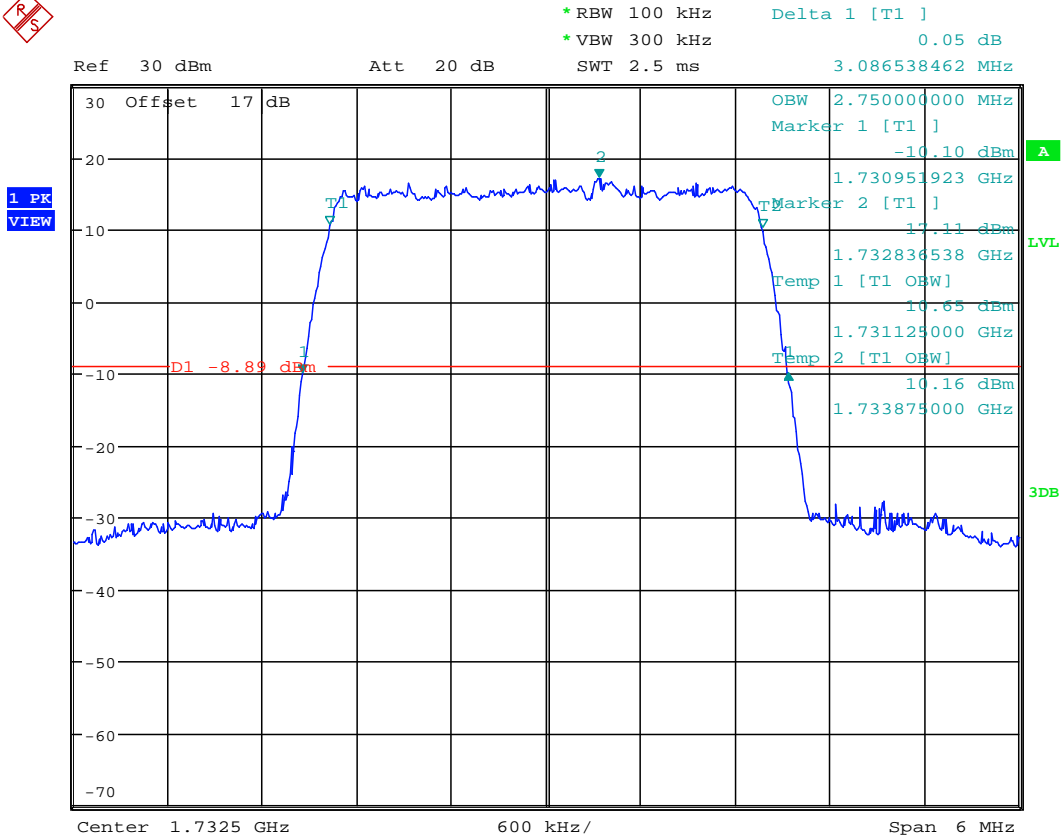




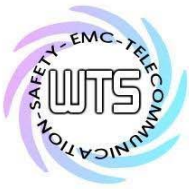
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz



Date: 6.AUG.2020 16:40:27

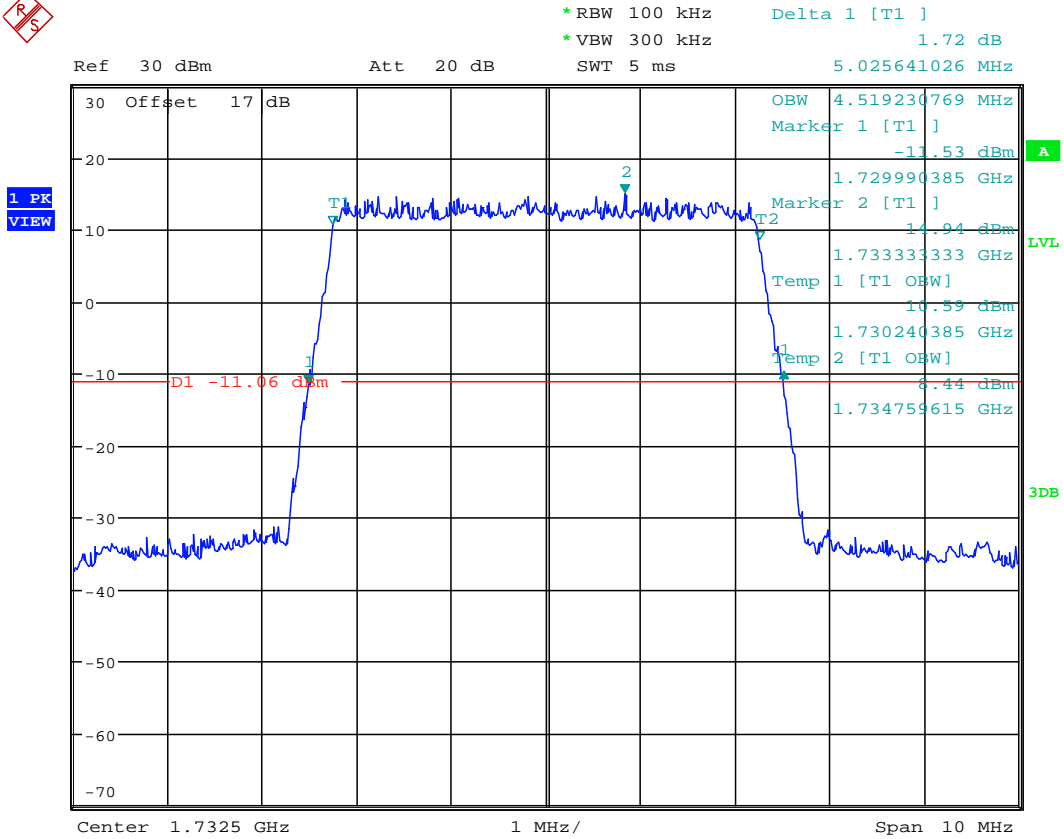


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

5MHz



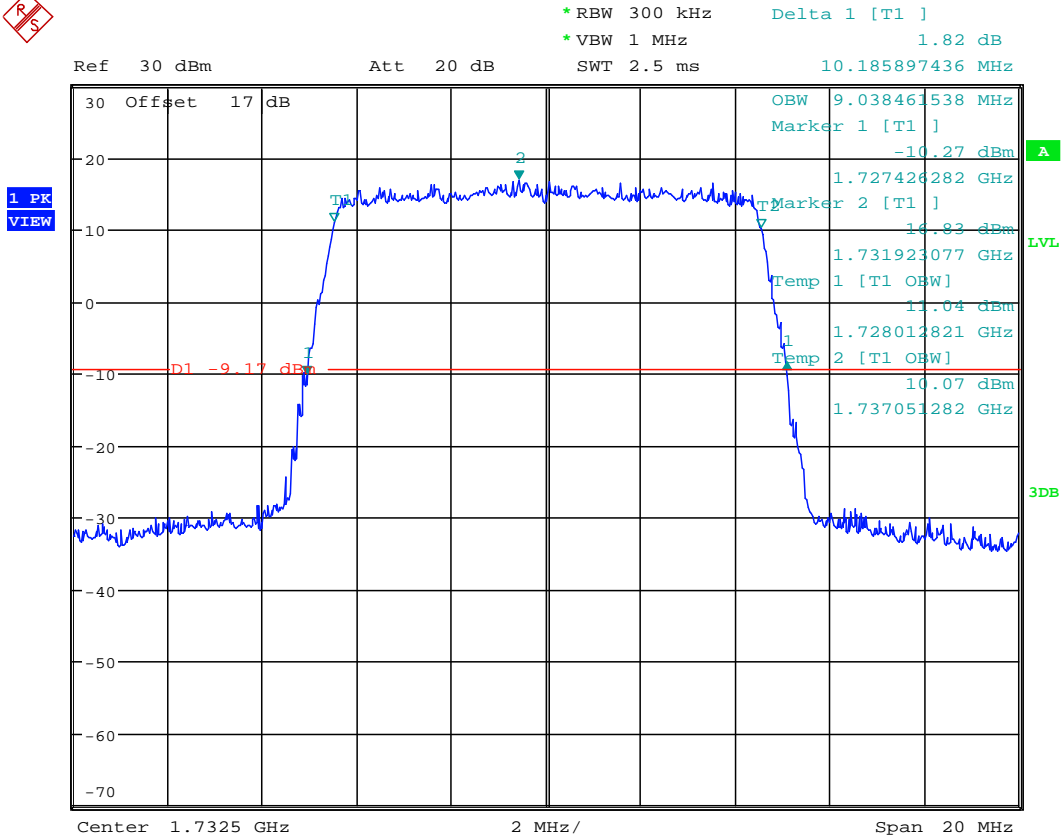
Date: 6.AUG.2020 16:41:26



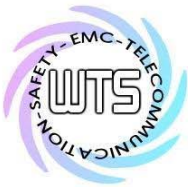
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

10MHz



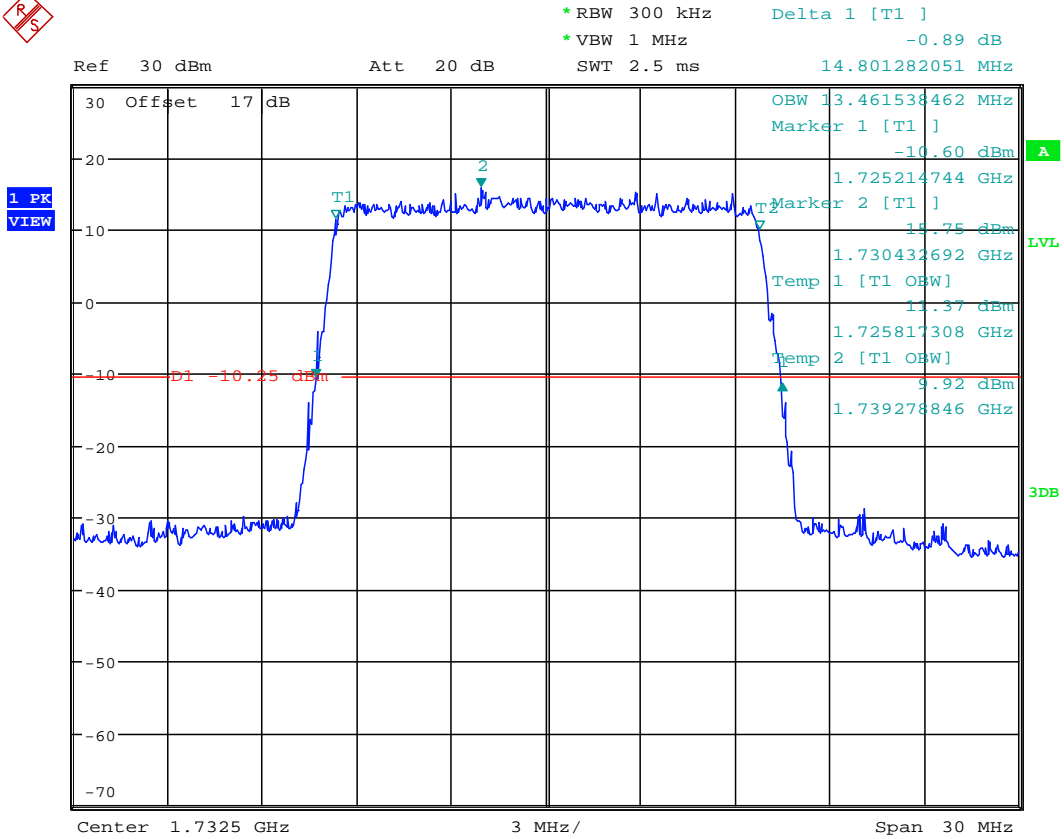
Date: 6.AUG.2020 16:42:33



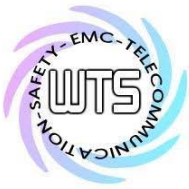
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

15MHz



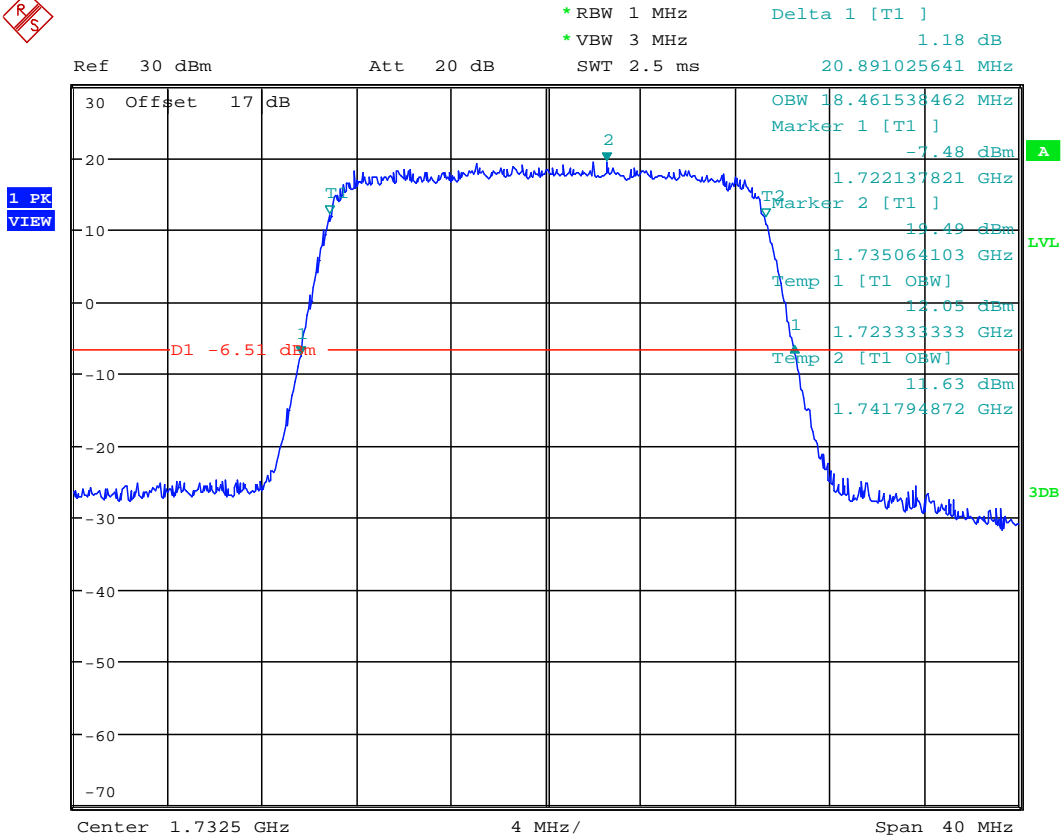
Date: 6.AUG.2020 16:43:32



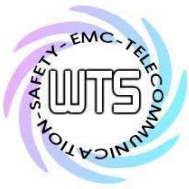
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

20MHz



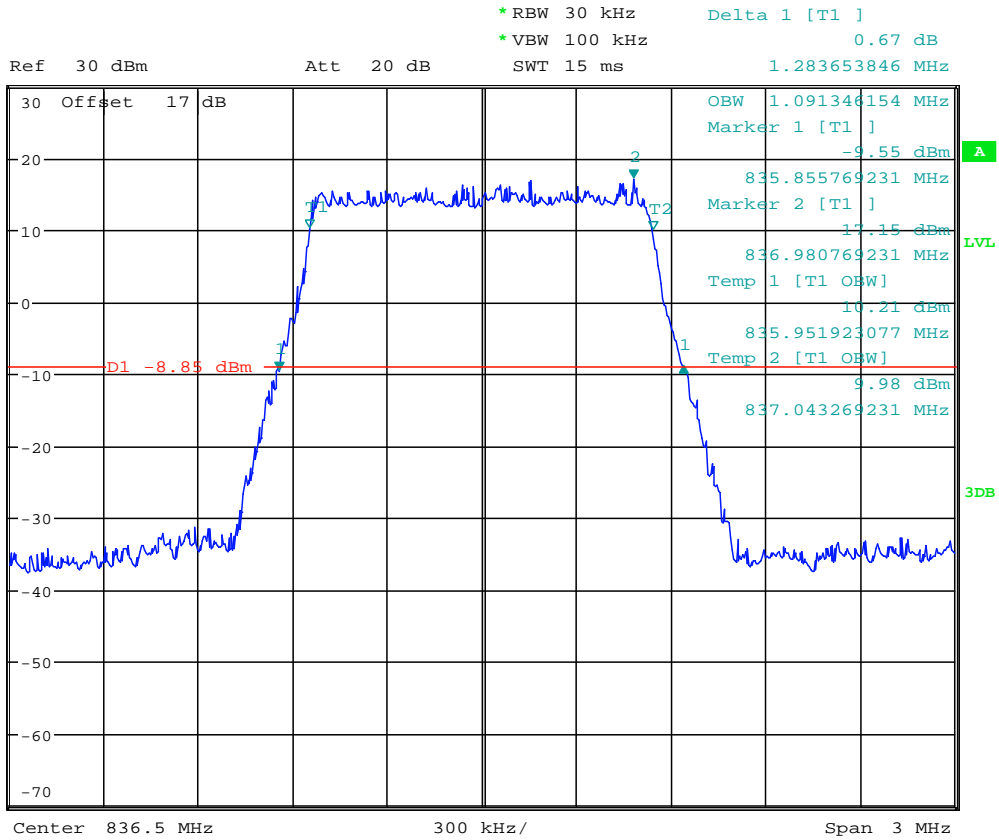
Date: 6.AUG.2020 16:44:26



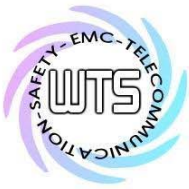
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

Band V  
 QPSK  
 1.4MHz



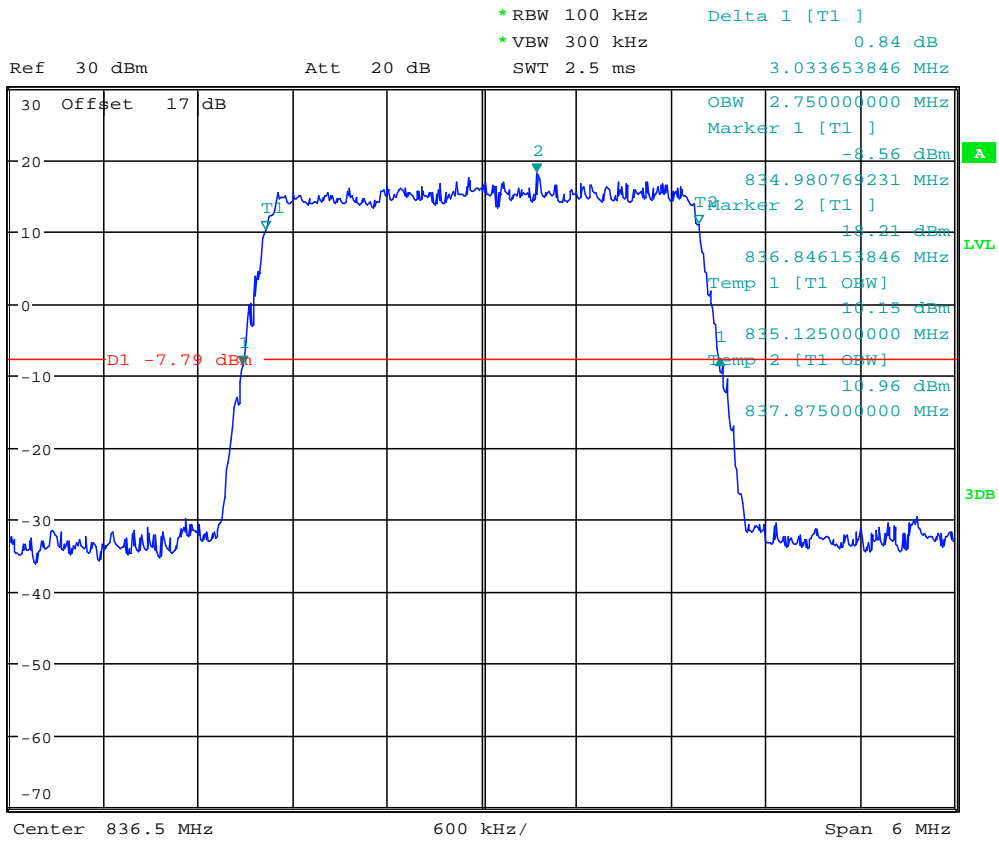
Date: 6.AUG.2020 16:46:17



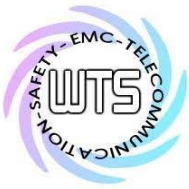
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz



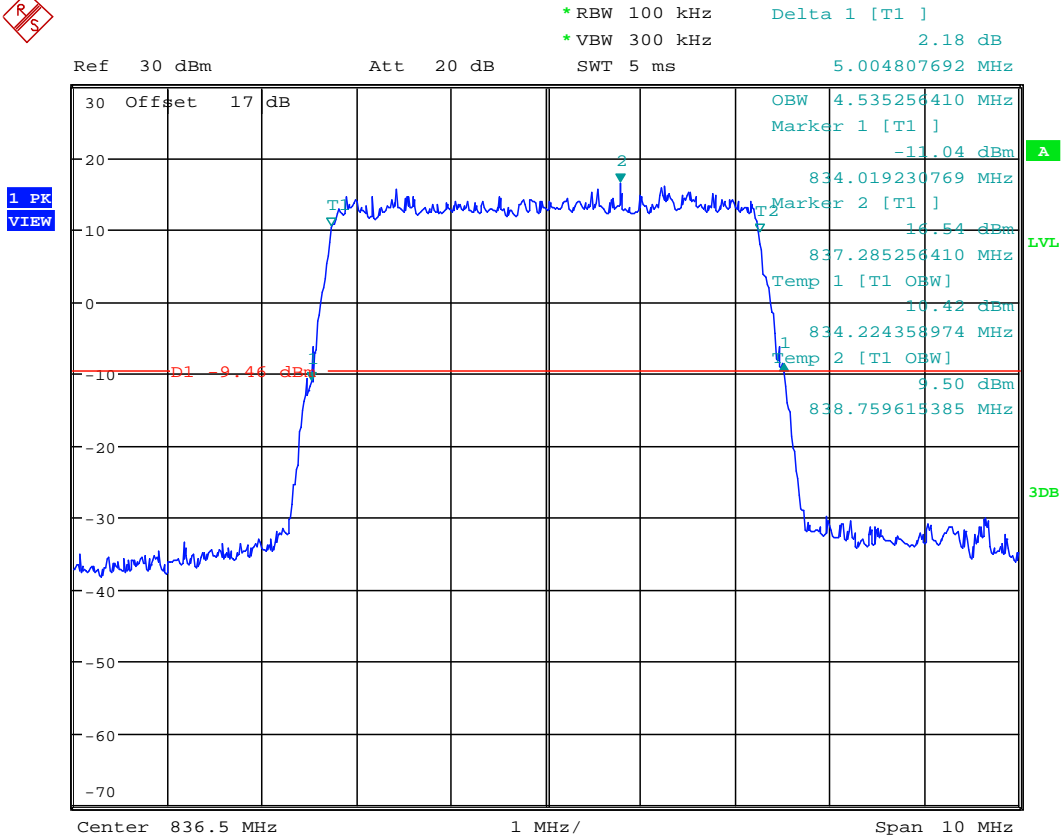
Date: 6.AUG.2020 16:47:19



Report Number: W6R22011-20409-P-247

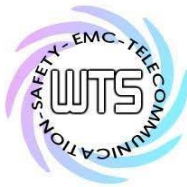
FCC ID: GX9CTC1052QT

5MHz



Date: 6.AUG.2020 16:48:38

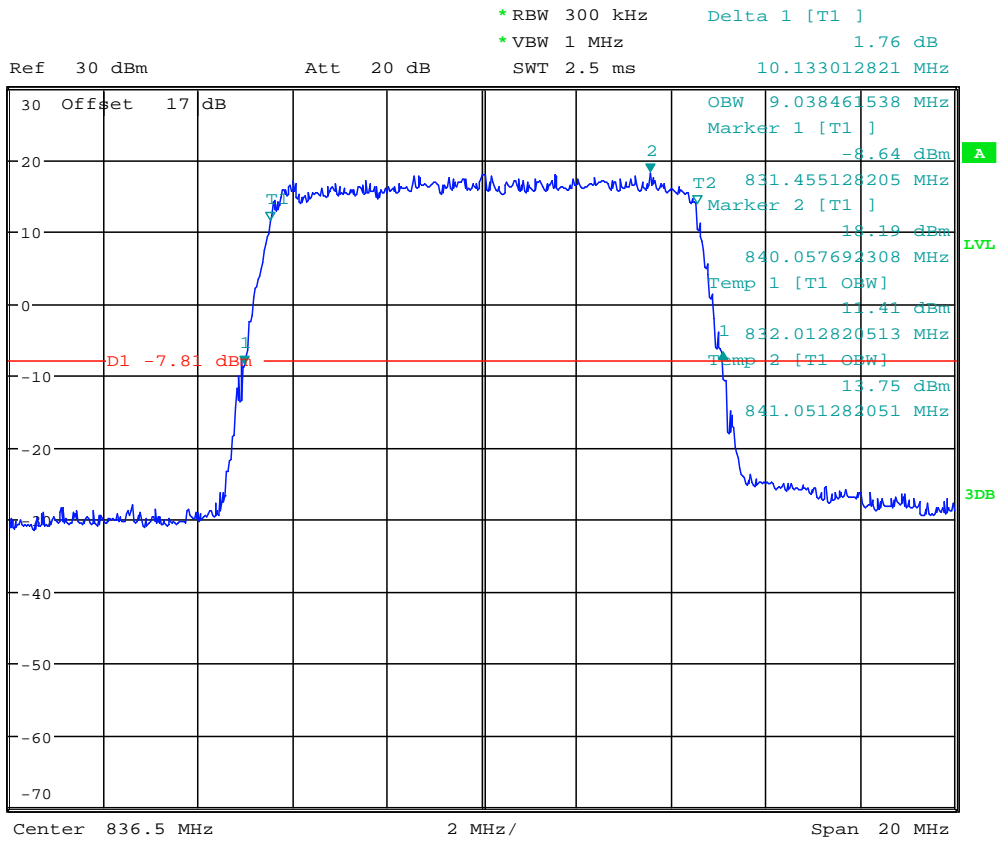




Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

10MHz



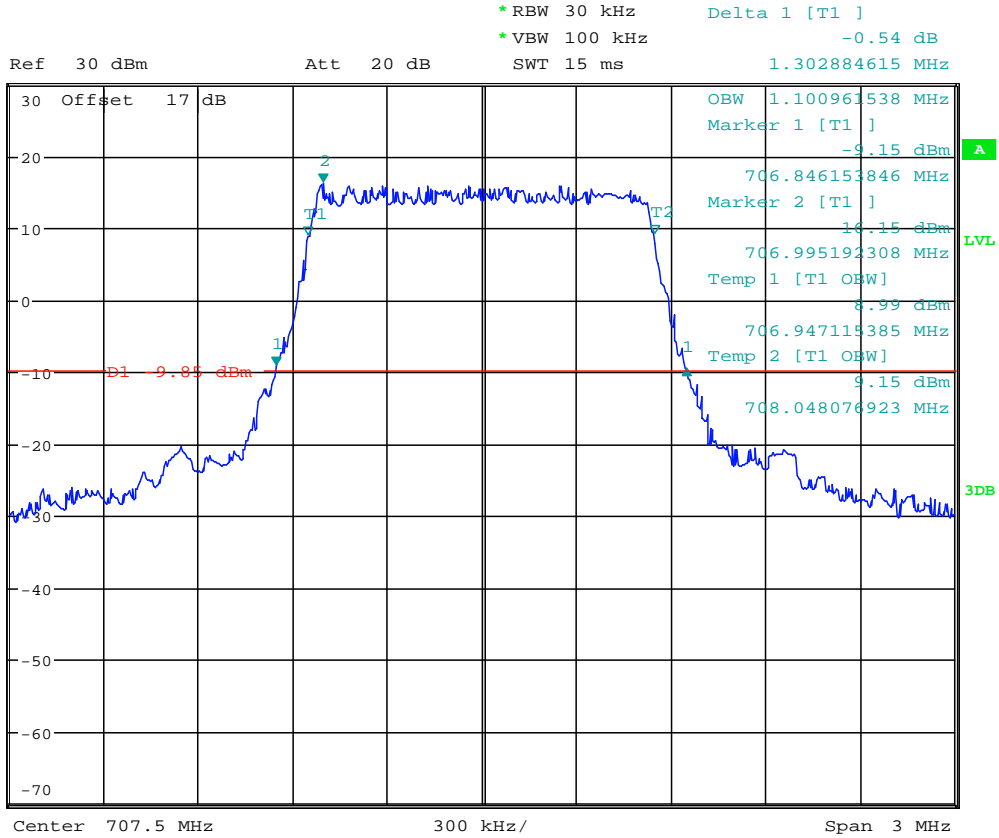
Date: 6.AUG.2020 16:49:43



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

Band XII  
 QPSK  
 1.4MHz



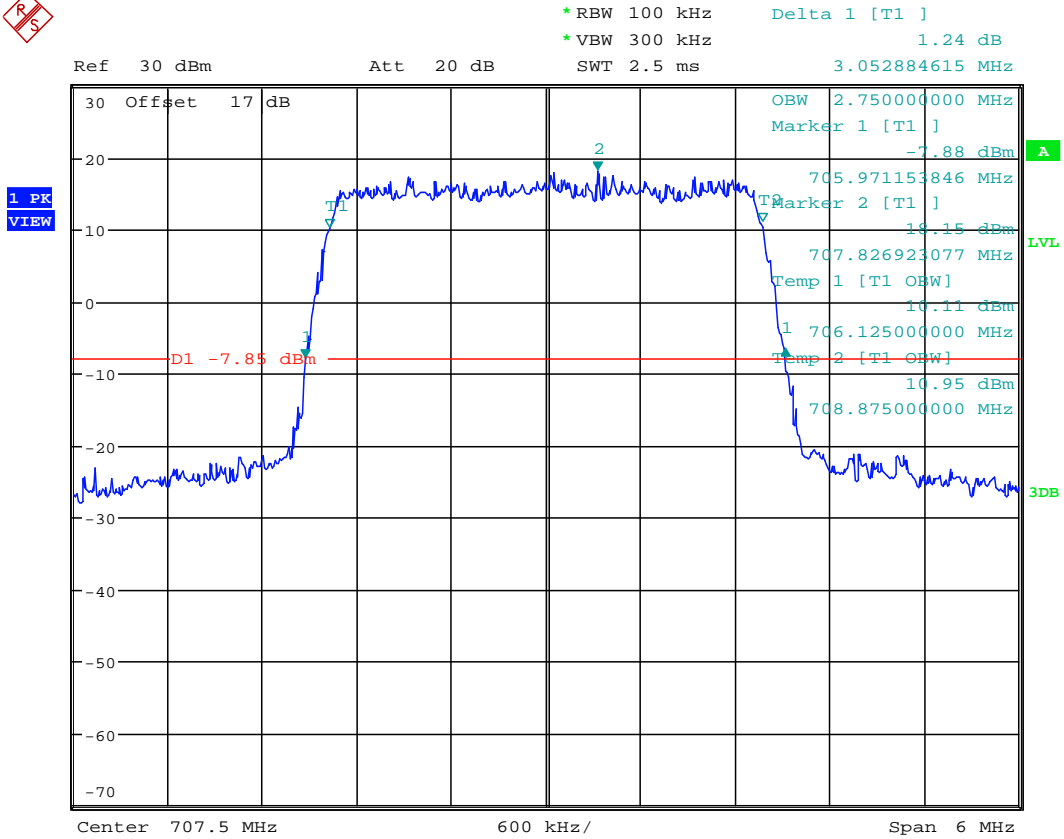
Date: 6.AUG.2020 16:51:26



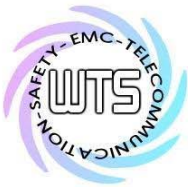
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz



Date: 6.AUG.2020 16:52:24

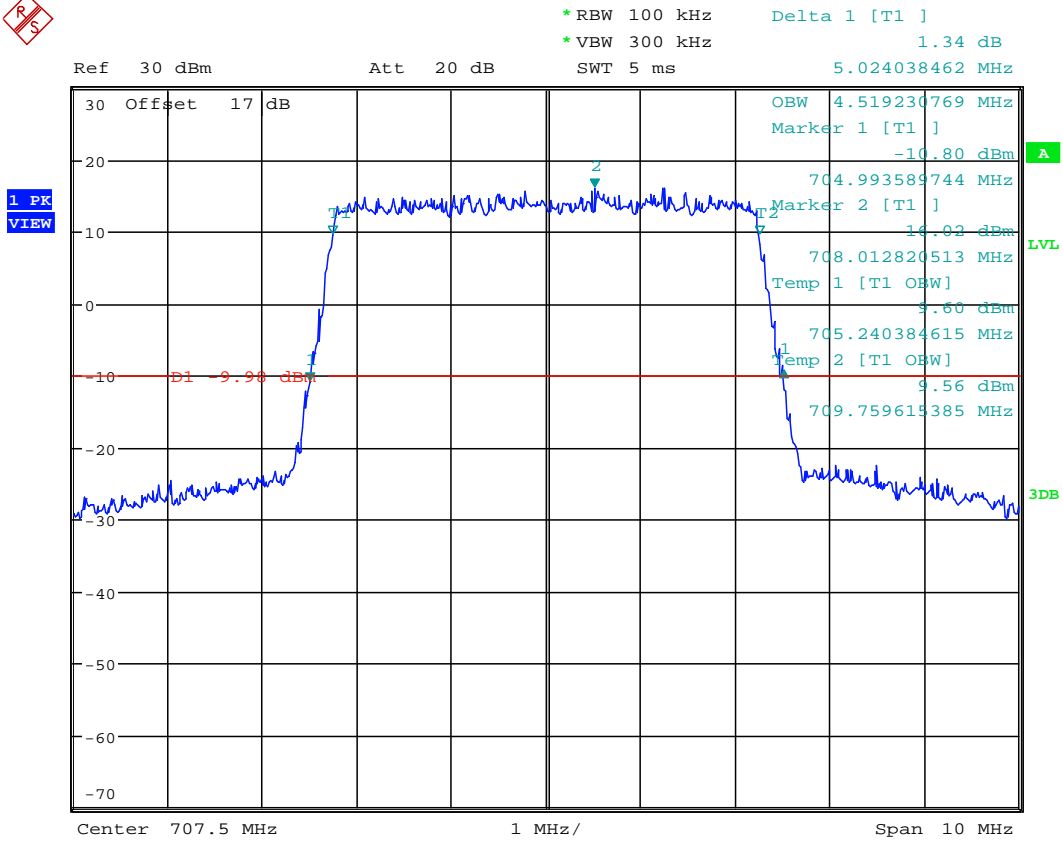


# Worldwide Testing Services(Taiwan) Co., Ltd.

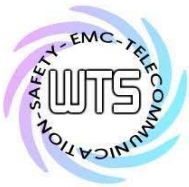
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

5MHz



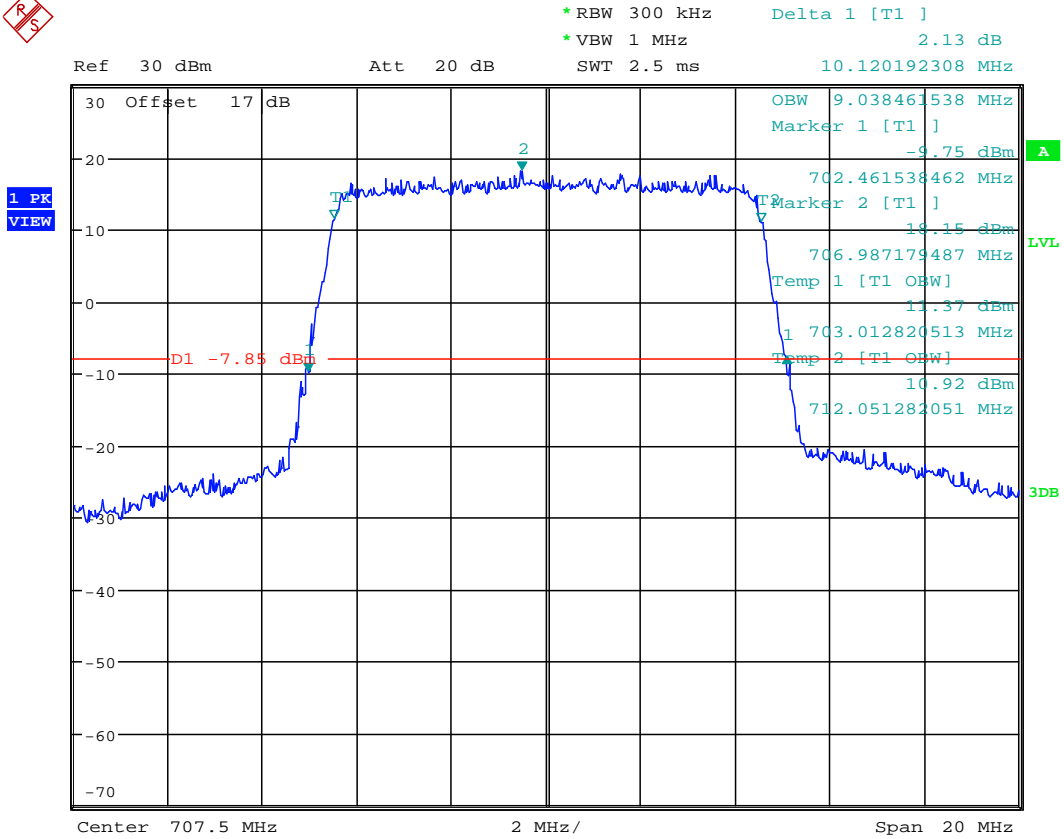
Date: 6.AUG.2020 16:53:30



Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

10MHz



Date: 6.AUG.2020 16:54:35



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

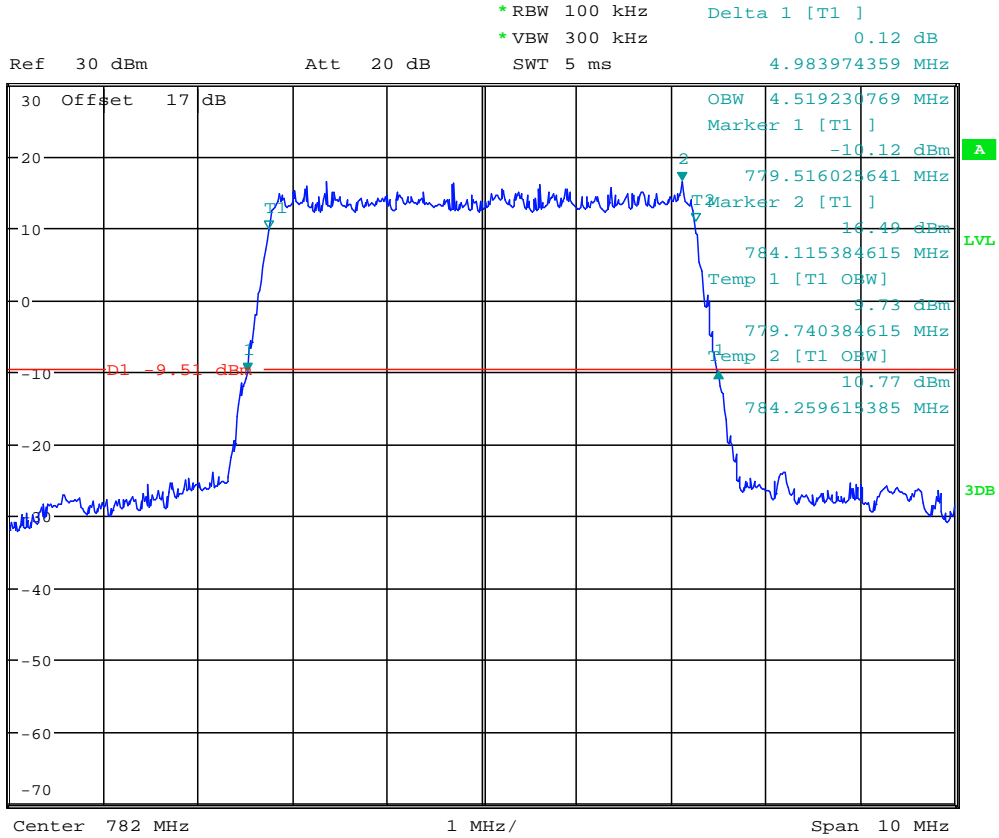
Band XIII

QPSK

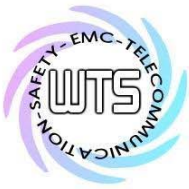
5MHz



1 PK  
VIEW



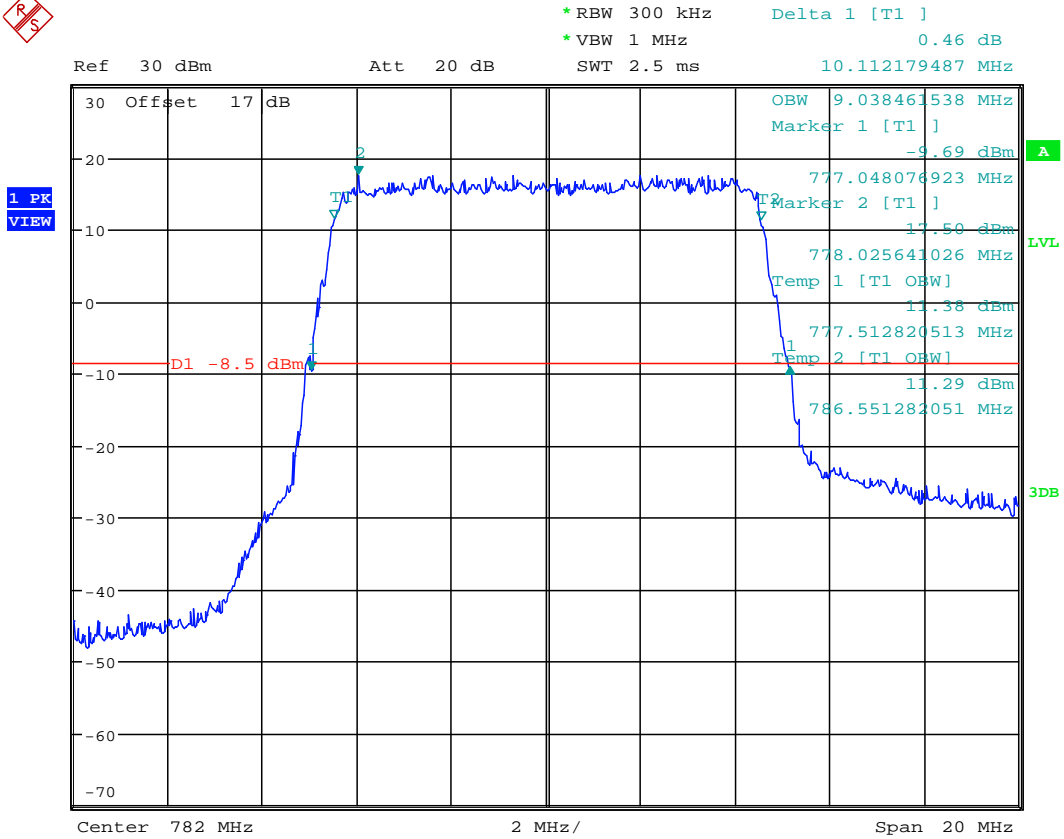
Date: 6.AUG.2020 16:57:32



Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

10MHz



Date: 6.AUG.2020 16:58:28

Test equipment: ETSTW-RE 055, ETSTW-GSM 002, ETSTW-GSM 023, ETSTW-GSM 004

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

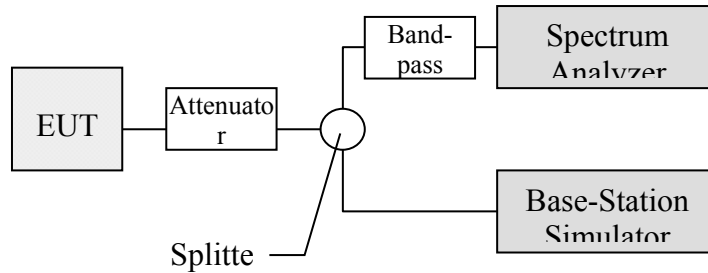
## 7. Spurious Emissions at Antenna Terminals

### 7.1 Test procedure

This transmitter output was connected to a calibrated coaxial attenuator, the other end of which was connected to a spectrum analyzer via a three-port splitter. Please refer to the following figure. Transmitter output was derived with the spectrum analyzer in dBm.

The Spurious Emissions at Antenna Terminals was measured by the spectrum analyzer with a suitable notch filter and/or Band-pass filter.

Tests were performed with an unmodulated carrier at three frequencies (low, middle and high channels ) and on all power levels , which can be set-up on the transmitters.



### 7.2 Test Results

Test date: August 11, 2020-August 12, 2020

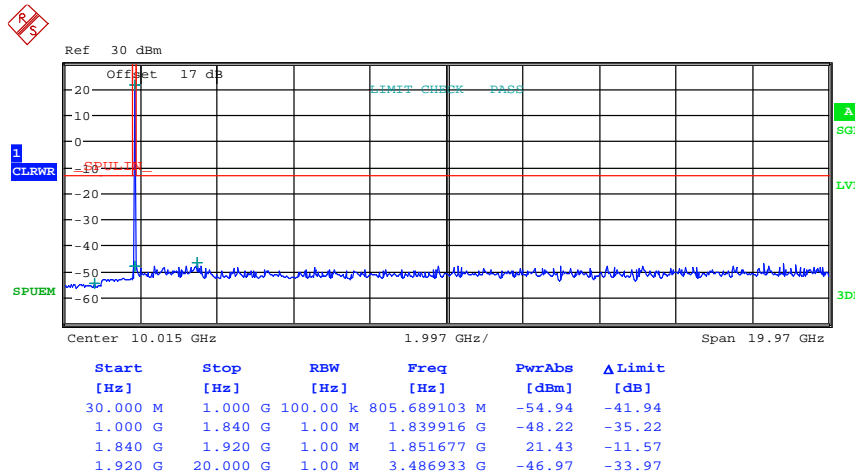
Temperature: 23.2 °C

Humidity: 48.5 %

Tester: Kent

WCDMA

Band II



CONDUCTED SPURIOUS EMISSION

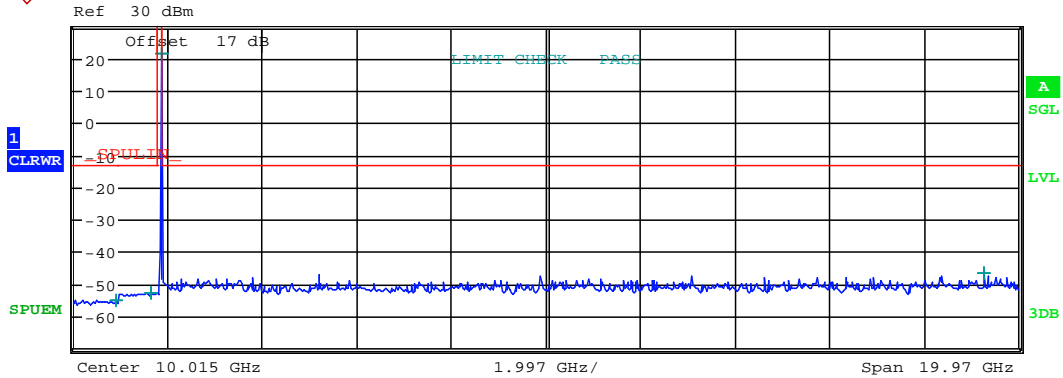
Date: 11.AUG.2020 19:39:42





# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 937.820513 M | -55.00       | -42.00      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.674520 G   | -52.69       | -39.69      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.879256 G   | 21.38        | -11.62      |
| 1.920 G    | 20.000 G  | 1.00 M   | 19.272581 G  | -46.61       | -33.61      |

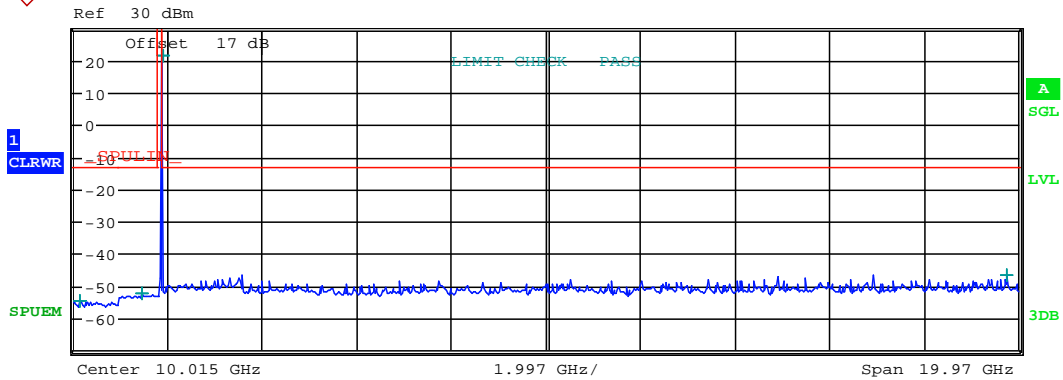
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 19:40:07



# Worldwide Testing Services(Taiwan) Co., Ltd.

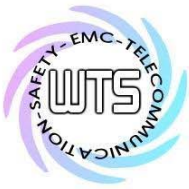
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 154.358974 M | -54.95       | -41.95      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.468300 G   | -52.62       | -39.62      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.906989 G   | 21.55        | -11.45      |
| 1.920 G    | 20.000 G  | 1.00 M   | 19.737237 G  | -46.78       | -33.78      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 19:40:32

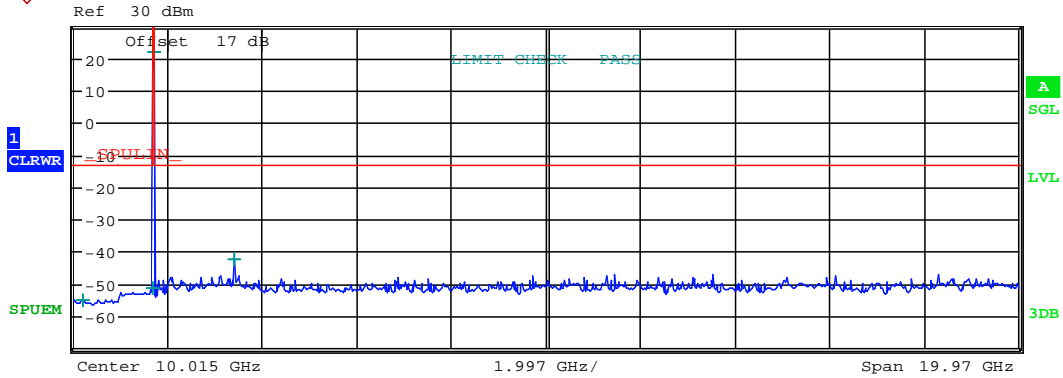


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

Band IV

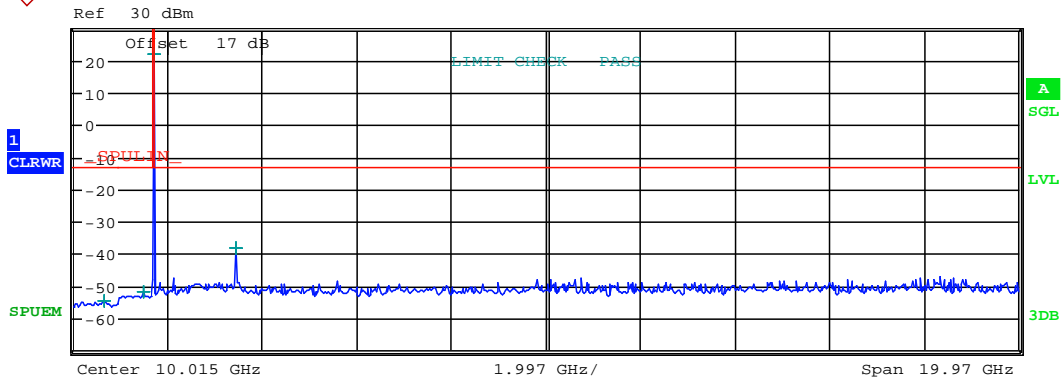


CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 19:43:06



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 658.012821 M | -54.93       | -41.93      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.512120 G   | -52.05       | -39.05      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.733414 G   | 21.70        | -11.30      |
| 1.765 G    | 20.000 G  | 1.00 M   | 3.466325 G   | -38.09       | -25.09      |

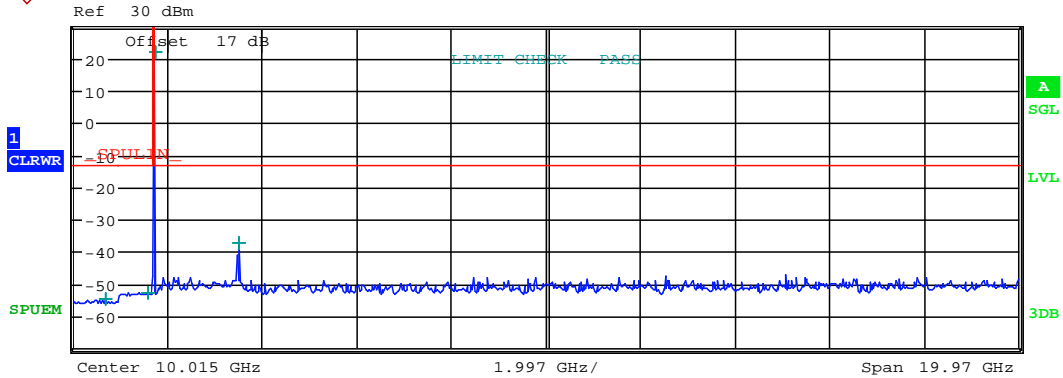
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 19:43:27



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 1.000 G   | 100.00 k | 695.320513 M | -54.72       | -41.72       |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.586180 G   | -52.74       | -39.74       |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.751413 G   | 21.99        | -11.01       |
| 1.765 G    | 20.000 G  | 1.00 M   | 3.502796 G   | -37.56       | -24.56       |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 19:43:49

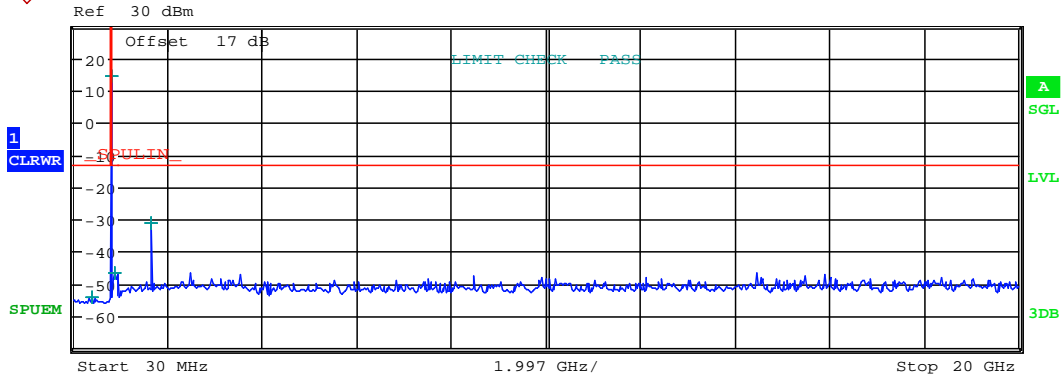


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

Band V



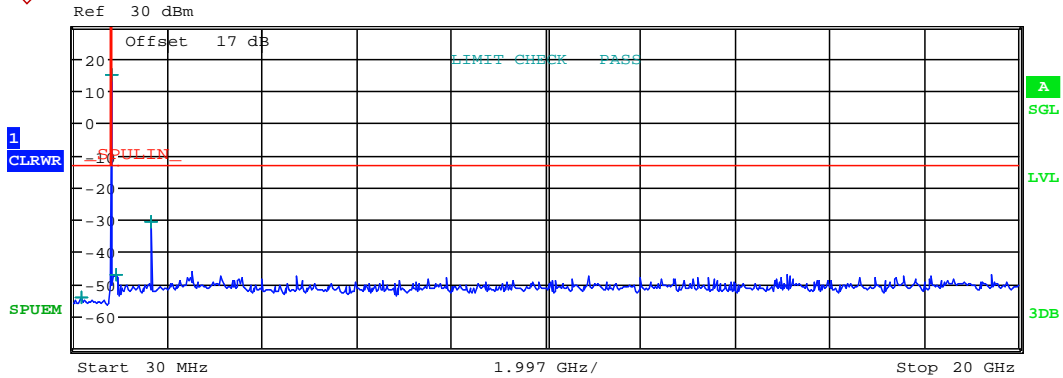
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 405.666667 M | -54.50       | -41.50      |
| 814.000 M  | 859.000 M | 100.00 k | 825.709000 M | 14.29        | -18.71      |
| 859.000 M  | 1.000 G   | 100.00 k | 905.760300 M | -46.73       | -33.73      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.649167 G   | -31.32       | -18.32      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 19:47:50



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



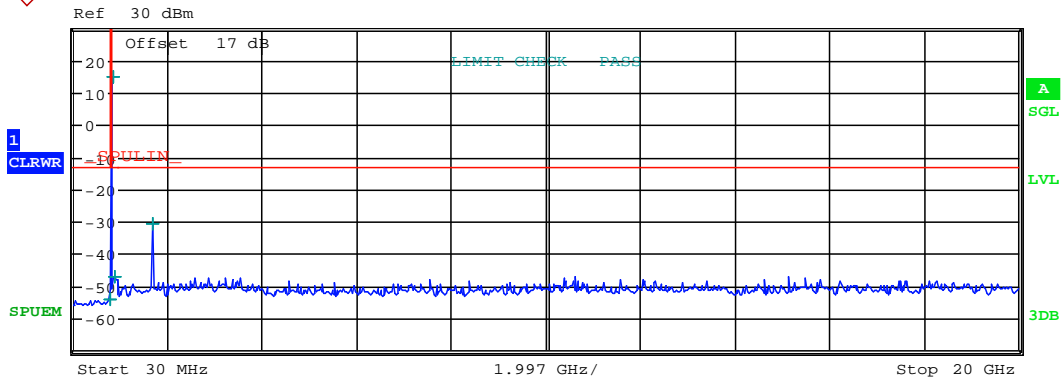
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 198.358974 M | -54.43       | -41.43      |
| 814.000 M  | 859.000 M | 100.00 k | 837.350500 M | 14.52        | -18.48      |
| 859.000 M  | 1.000 G   | 100.00 k | 934.627700 M | -47.24       | -34.24      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.670067 G   | -30.85       | -17.85      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 19:48:19



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Start 30 MHz 1.997 GHz/ Stop 20 GHz

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 797.666667 M | -54.21       | -41.21      |
| 814.000 M  | 859.000 M | 100.00 k | 847.484500 M | 14.89        | -18.11      |
| 859.000 M  | 1.000 G   | 100.00 k | 891.768400 M | -47.20       | -34.20      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.690333 G   | -30.58       | -17.58      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 19:48:38

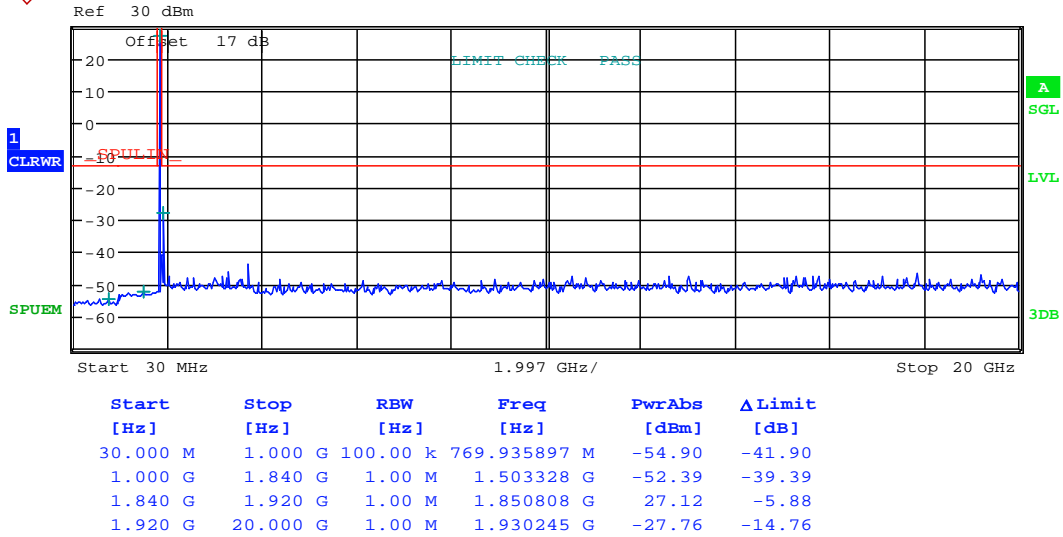




# Worldwide Testing Services(Taiwan) Co., Ltd.

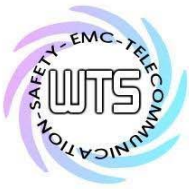
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

LTE  
 Band II  
 16QAM  
 1.4MHz



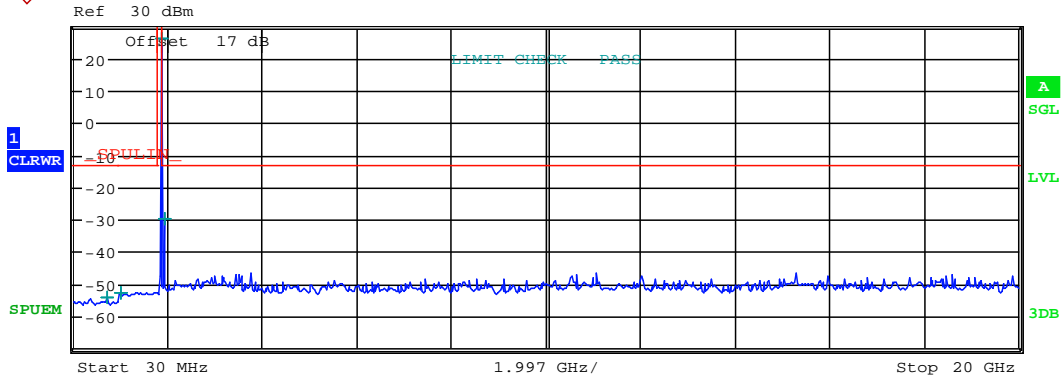
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 19:57:46



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Start 30 MHz 1.997 GHz/ Stop 20 GHz

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 745.064103 M | -54.37       | -41.37      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.022512 G   | -52.70       | -39.70      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.880141 G   | 26.11        | -6.89       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.959776 G   | -29.98       | -16.98      |

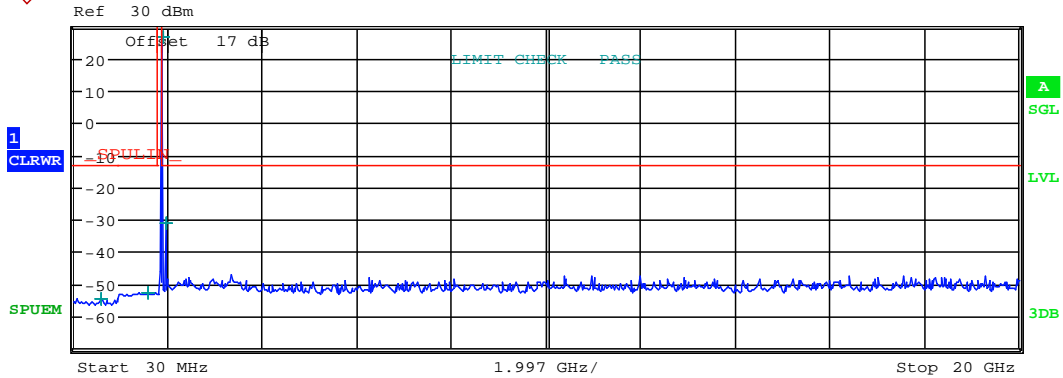
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 19:58:33



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 603.605769 M | -54.52       | -41.52      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.607068 G   | -52.80       | -39.80      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.909363 G   | 26.67        | -6.33       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.988704 G   | -31.19       | -18.19      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 19:58:59

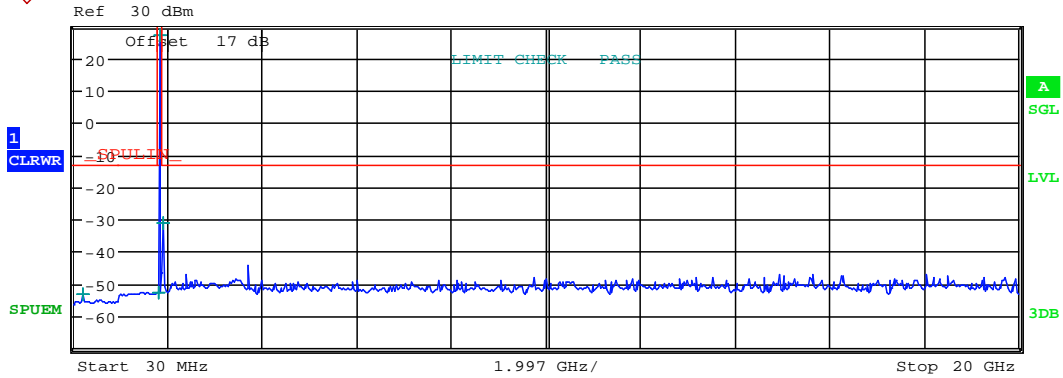


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 218.092949 M | -53.54       | -40.54      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.815052 G   | -52.78       | -39.78      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.851808 G   | 27.04        | -5.96       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.931451 G   | -31.37       | -18.37      |

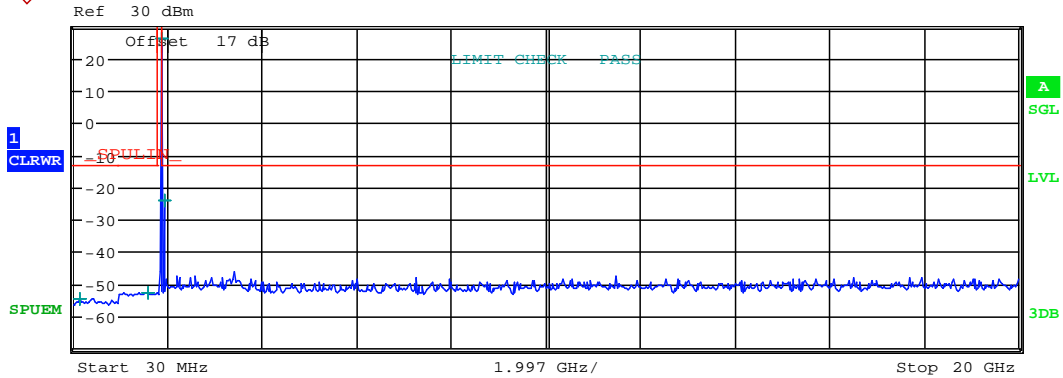
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:02:39



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



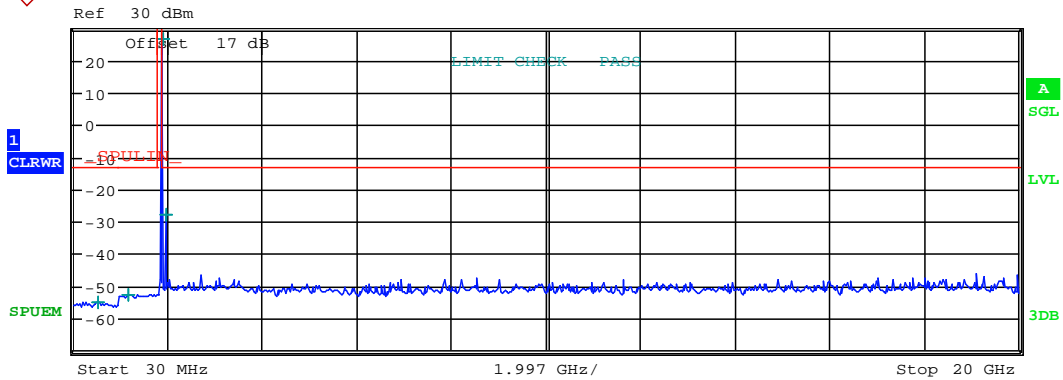
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 155.913462 M | -54.60       | -41.60      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.585312 G   | -52.70       | -39.70      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.880104 G   | 26.16        | -6.84       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.959173 G   | -24.39       | -11.39      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:03:03



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 552.307692 M | -55.12       | -42.12      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.172368 G   | -52.73       | -39.73      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.908691 G   | 26.58        | -6.42       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.988704 G   | -28.14       | -15.14      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:03:32

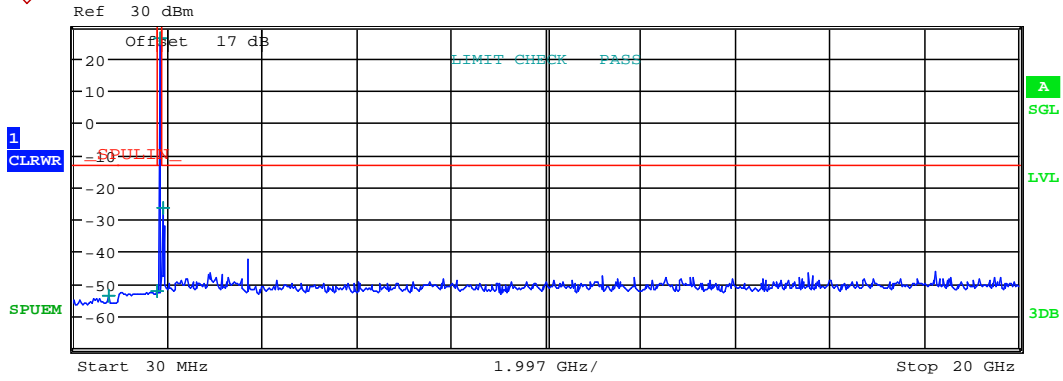


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

5MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 757.500000 M | -53.91       | -40.91      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.797244 G   | -52.61       | -39.61      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.852576 G   | 26.18        | -6.82       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.932053 G   | -26.64       | -13.64      |

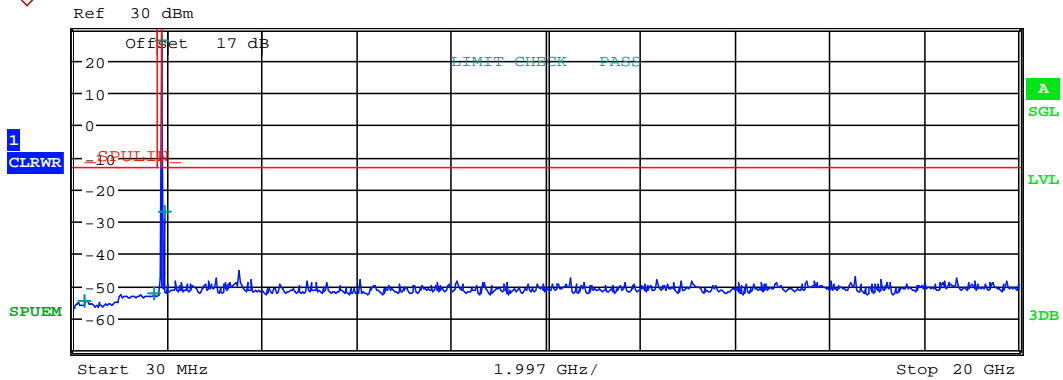
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:19:09



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 269.391026 M | -54.76       | -41.76      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.730296 G   | -52.61       | -39.61      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.880189 G   | 25.88        | -7.12       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.960379 G   | -27.12       | -14.12      |

CONDUCTED SPURIOUS EMISSION

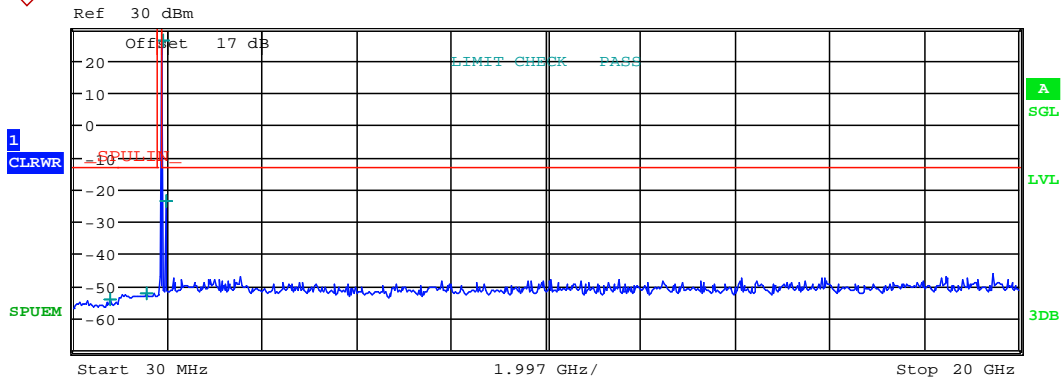
Date: 11.AUG.2020 20:19:28





# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 805.689103 M | -54.20       | -41.20      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.559272 G   | -52.47       | -39.47      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.907725 G   | 25.83        | -7.17       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.985691 G   | -23.53       | -10.53      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:19:50

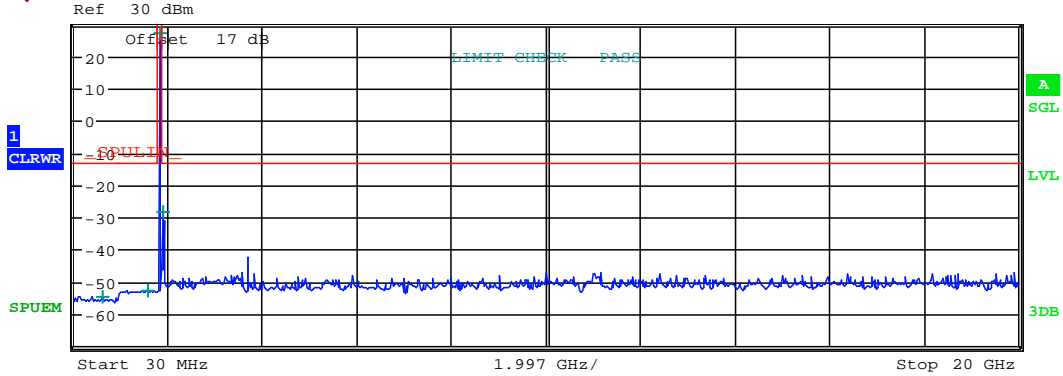


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

10MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 628.477564 M | -54.80       | -41.80      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.612192 G   | -52.70       | -39.70      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.855229 G   | 27.15        | -5.85       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.932053 G   | -28.39       | -15.39      |

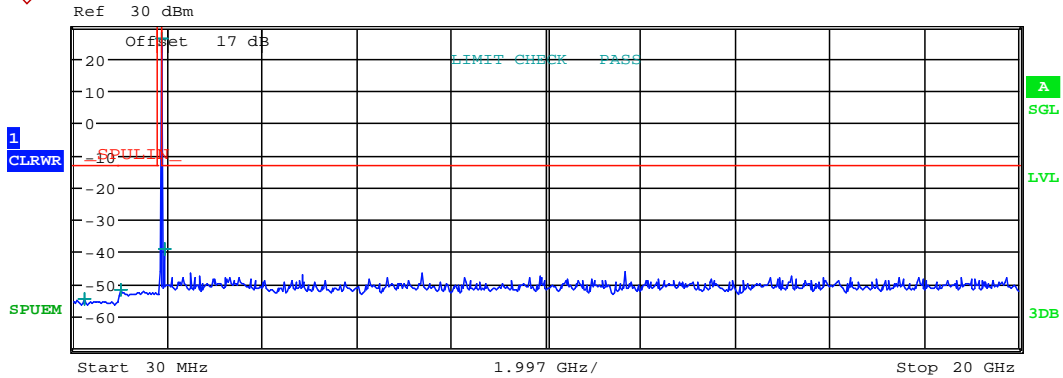
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:23:33



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 247.628205 M | -54.81       | -41.81      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.012516 G   | -52.16       | -39.16      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.880139 G   | 26.05        | -6.95       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.955557 G   | -39.10       | -26.10      |

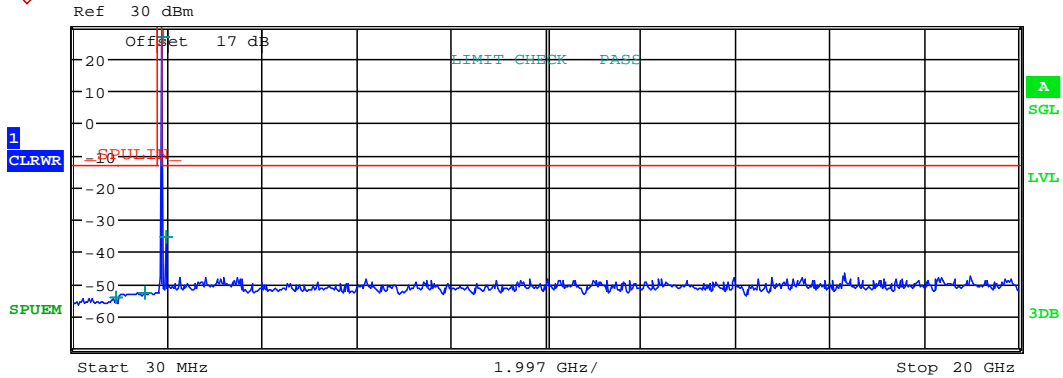
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:23:51



# Worldwide Testing Services(Taiwan) Co., Ltd.

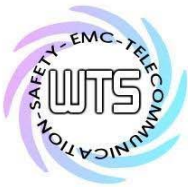
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 914.503205 M | -54.45       | -41.45      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.522732 G   | -52.65       | -39.65      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.905064 G   | 26.47        | -6.53       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.980267 G   | -35.40       | -22.40      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:24:18

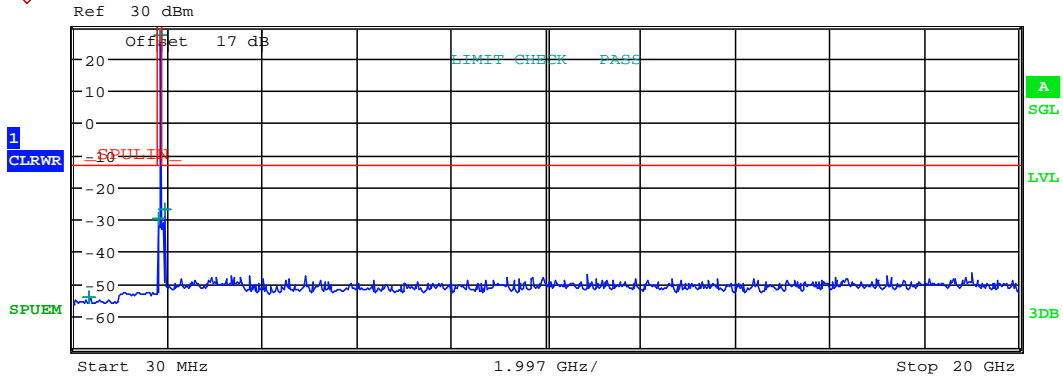


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

15MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 365.769231 M | -54.32       | -41.32      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.837648 G   | -29.77       | -16.77      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.864128 G   | 26.98        | -6.02       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.934464 G   | -27.21       | -14.21      |

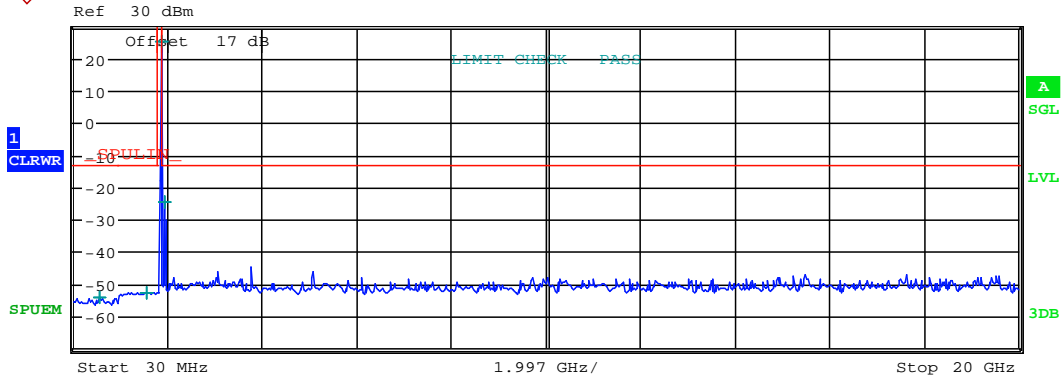
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:28:23



# Worldwide Testing Services(Taiwan) Co., Ltd.

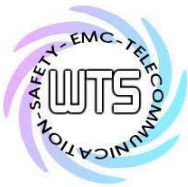
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



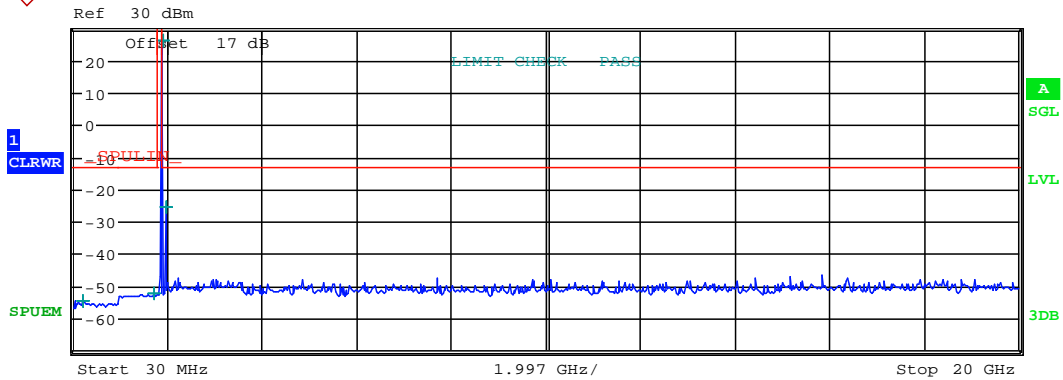
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 578.733974 M | -54.49       | -41.49      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.581784 G   | -52.76       | -39.76      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.886683 G   | 25.15        | -7.85       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.959776 G   | -24.81       | -11.81      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:28:45



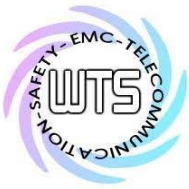
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 235.192308 M | -54.70       | -41.70      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.711732 G   | -52.59       | -39.59      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.909136 G   | 25.84        | -7.16       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.978459 G   | -25.59       | -12.59      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:29:07

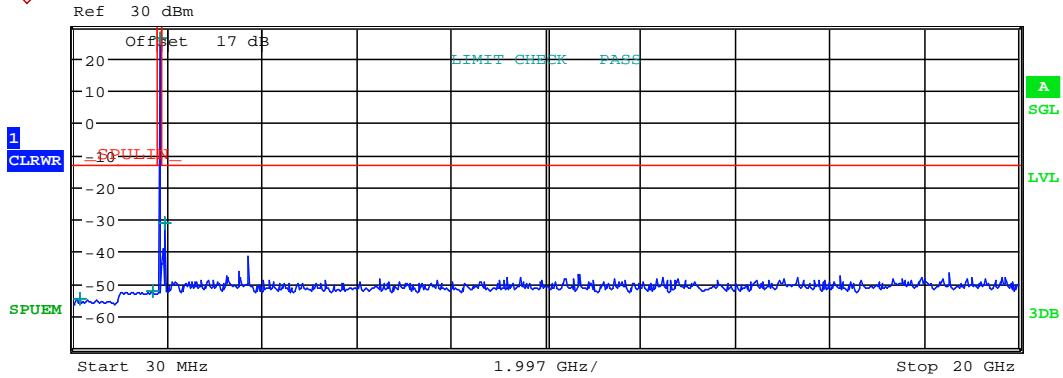


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

20MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 160.576923 M | -54.76       | -41.76      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.698460 G   | -52.54       | -39.54      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.860155 G   | 25.96        | -7.04       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.944709 G   | -31.42       | -18.42      |

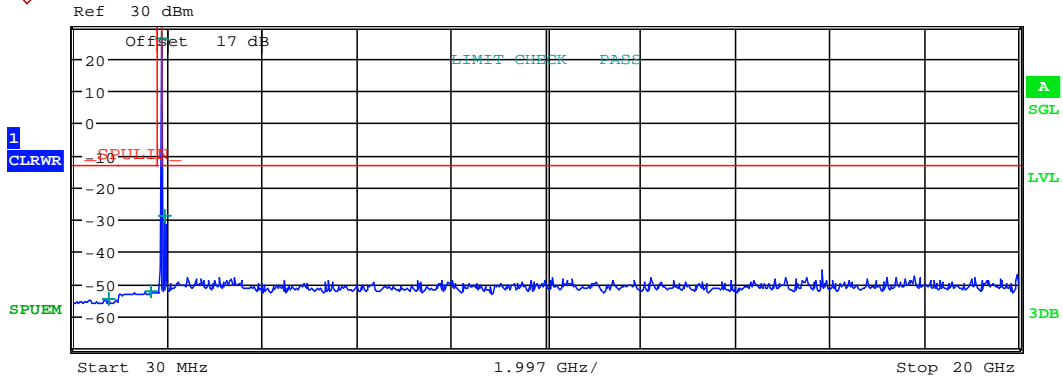
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:31:15





Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



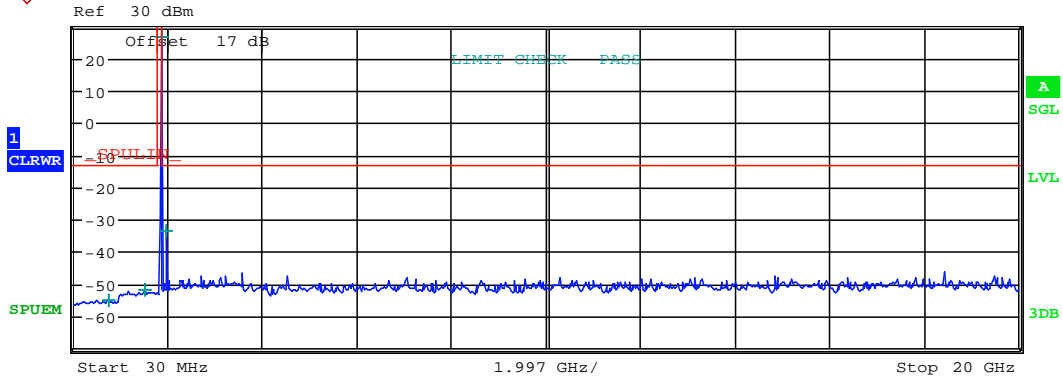
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 754.391026 M | -54.78       | -41.78      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.650580 G   | -52.56       | -39.56      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.880037 G   | 26.21        | -6.79       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.958571 G   | -29.03       | -16.03      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:32:10



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 776.153846 M | -55.21       | -42.21      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.530796 G   | -51.98       | -38.98      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.900336 G   | 26.39        | -6.61       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.979664 G   | -33.38       | -20.38      |

CONDUCTED SPURIOUS EMISSION

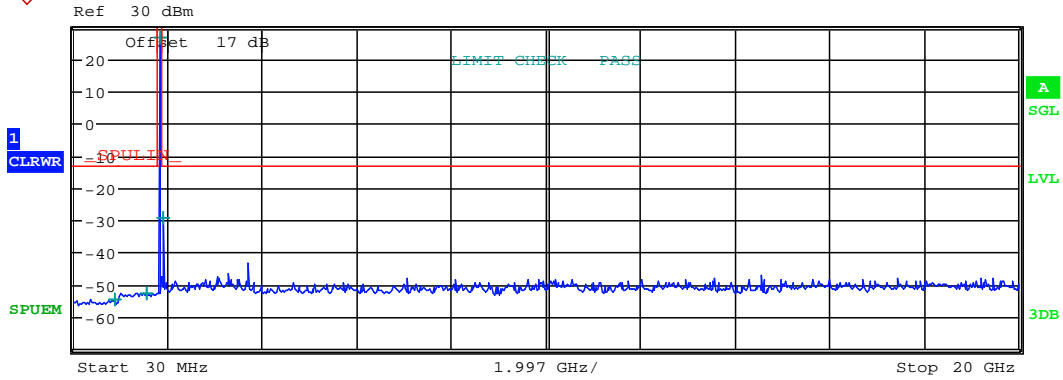
Date: 11.AUG.2020 20:33:33



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

QPSK  
 1.4MHz



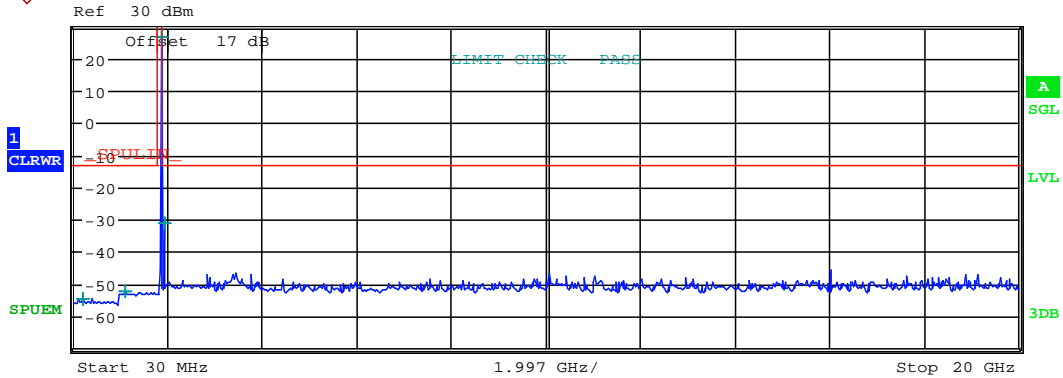
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 886.522436 M | -54.60       | -41.60      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.561708 G   | -52.81       | -39.81      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.850760 G   | 26.54        | -6.46       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.930848 G   | -29.22       | -16.22      |

CONDUCTED SPURIOUS EMISSION  
 Date: 11.AUG.2020 19:59:55



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 213.429487 M | -54.63       | -41.63      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.128100 G   | -52.42       | -39.42      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.879984 G   | 26.29        | -6.71       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.959173 G   | -31.22       | -18.22      |

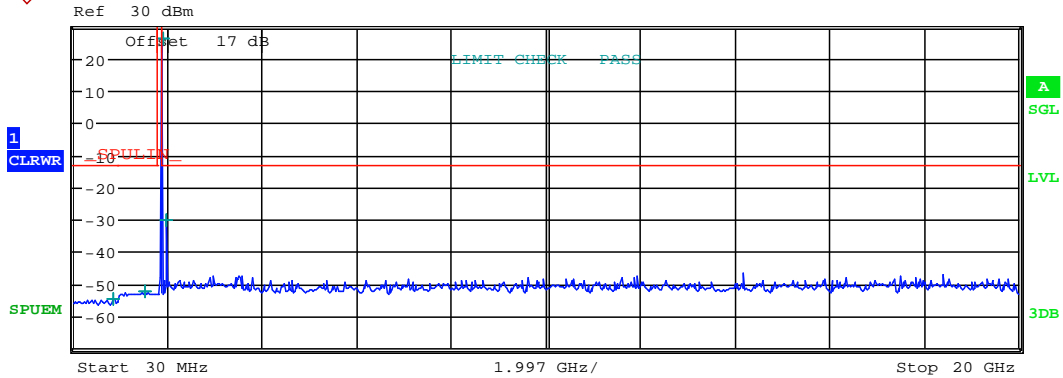
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:00:19



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 877.195513 M | -54.95       | -41.95      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.538944 G   | -52.37       | -39.37      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.909416 G   | 26.22        | -6.78       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.989307 G   | -30.34       | -17.34      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:01:18

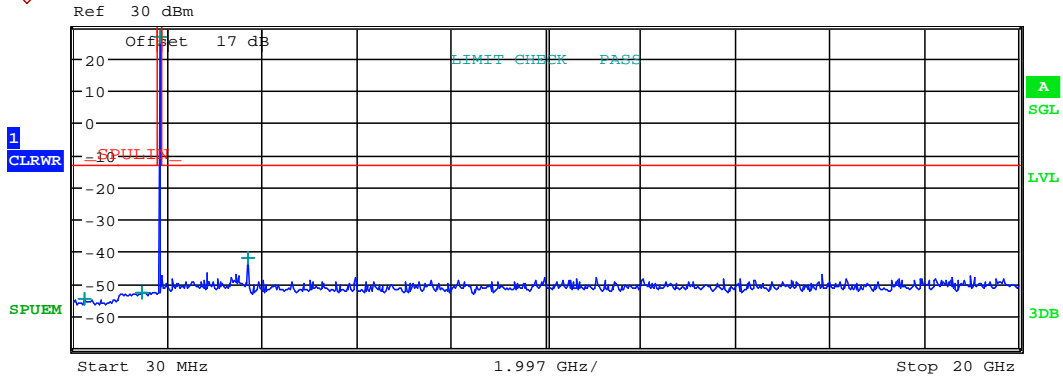


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

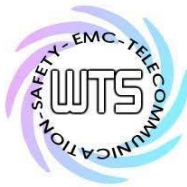
3MHz



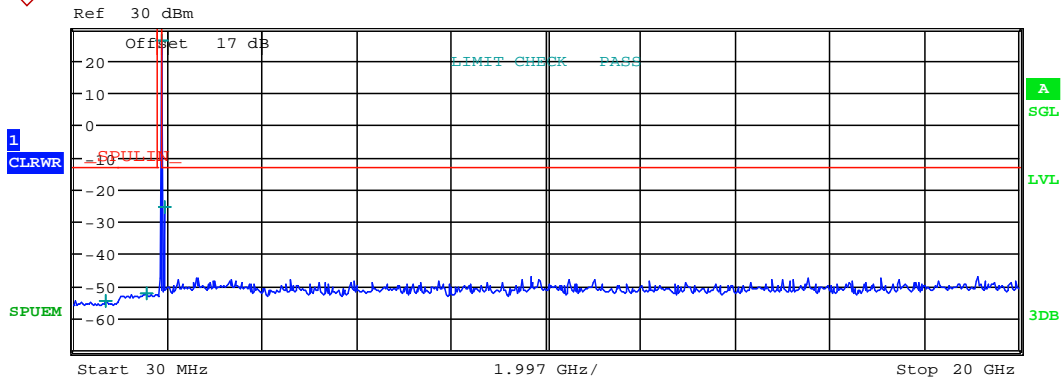
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 255.400641 M | -54.97       | -41.97      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.459480 G   | -52.71       | -39.71      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.851763 G   | 26.36        | -6.64       |
| 1.920 G    | 20.000 G  | 1.00 M   | 3.702688 G   | -41.91       | -28.91      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:04:25



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 695.320513 M | -54.54       | -41.54      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.573636 G   | -52.54       | -39.54      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.880291 G   | 26.20        | -6.80       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.960379 G   | -25.51       | -12.51      |

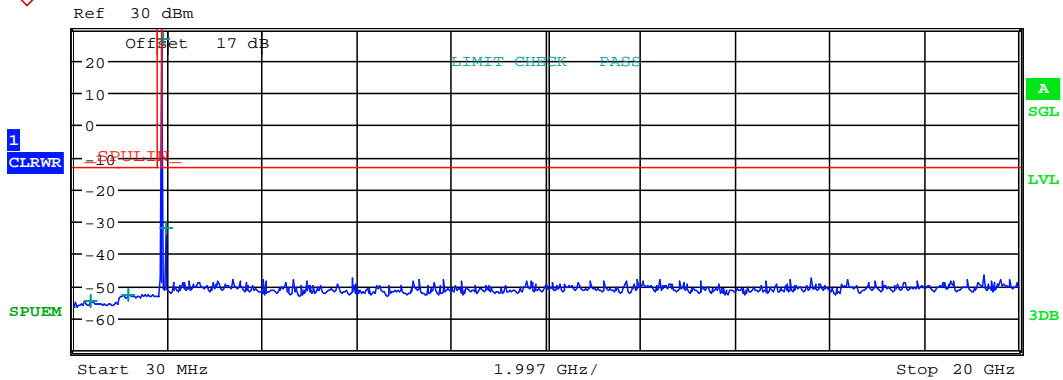
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:04:44



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 392.195513 M | -54.66       | -41.66      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.184296 G   | -52.64       | -39.64      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.908667 G   | 26.37        | -6.63       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.988101 G   | -32.33       | -19.33      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:05:08



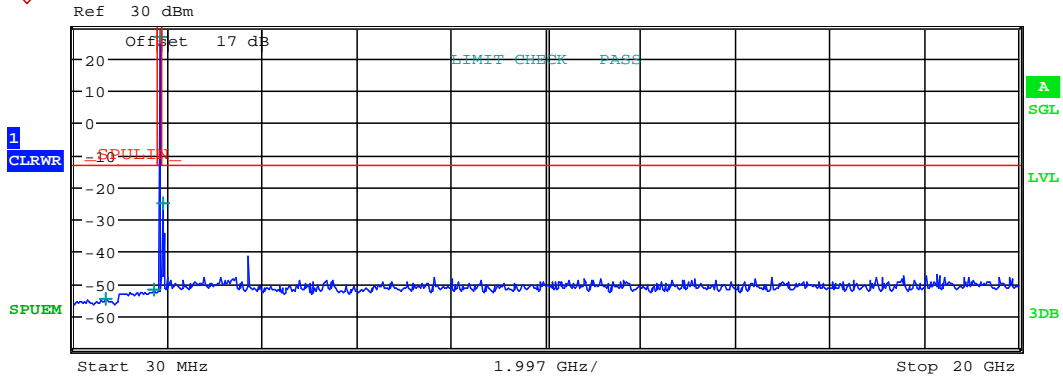


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

5MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 701.538462 M | -54.77       | -41.77      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.722232 G   | -52.09       | -39.09      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.852661 G   | 26.60        | -6.40       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.932053 G   | -25.39       | -12.39      |

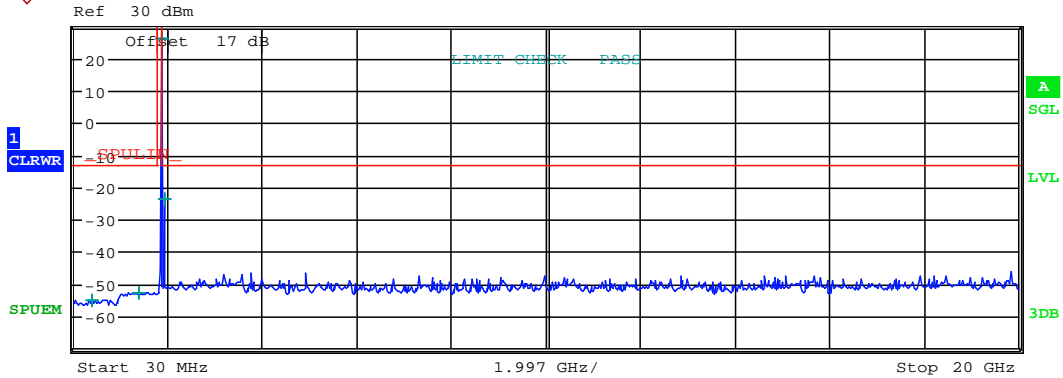
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:20:59



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 1.000 G   | 100.00 k | 412.403846 M | -54.99       | -41.99       |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.419916 G   | -52.64       | -39.64       |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.880144 G   | 26.13        | -6.87        |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.959173 G   | -23.73       | -10.73       |

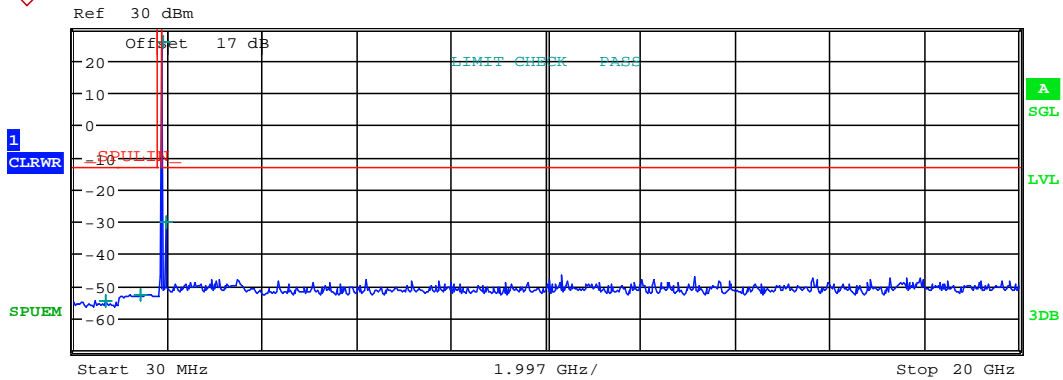
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:20:39



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 712.419872 M | -54.71       | -41.71      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.432768 G   | -52.79       | -39.79      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.907571 G   | 25.31        | -7.69       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.985088 G   | -30.41       | -17.41      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:20:14

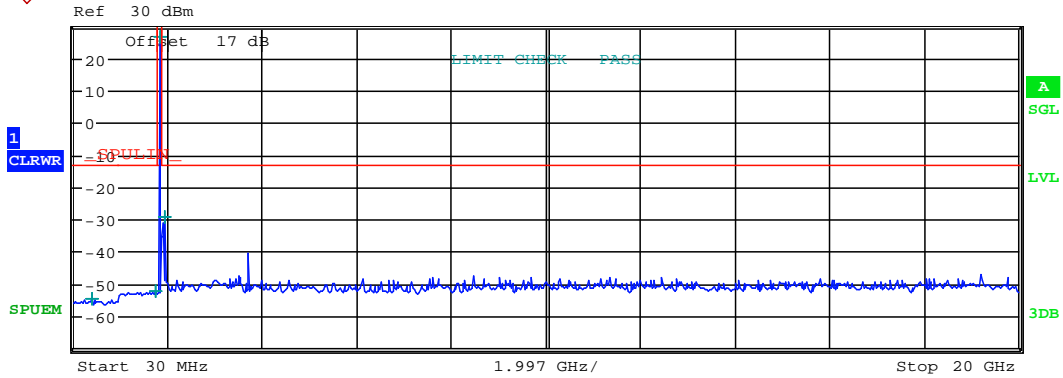


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

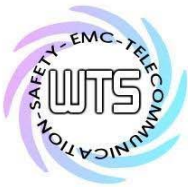
10MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 398.413462 M | -54.92       | -41.92      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.748356 G   | -52.53       | -39.53      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.855064 G   | 26.45        | -6.55       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.934464 G   | -29.45       | -16.45      |

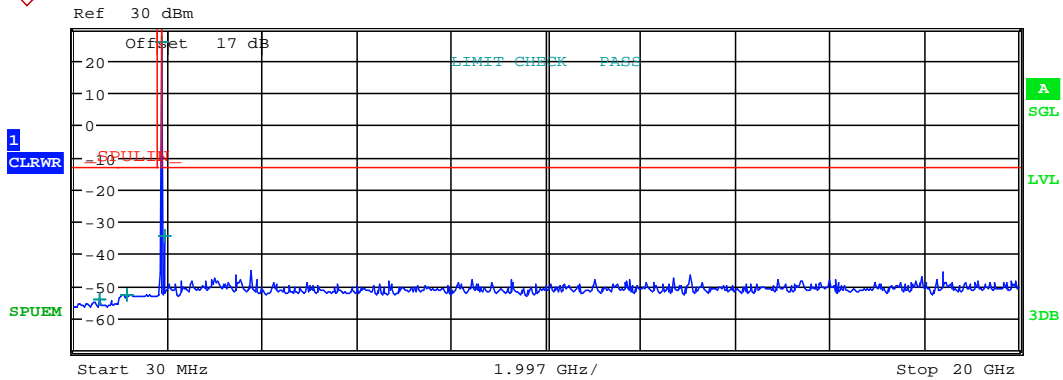
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:25:30



# Worldwide Testing Services(Taiwan) Co., Ltd.

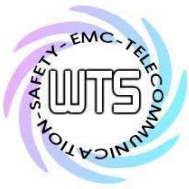
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



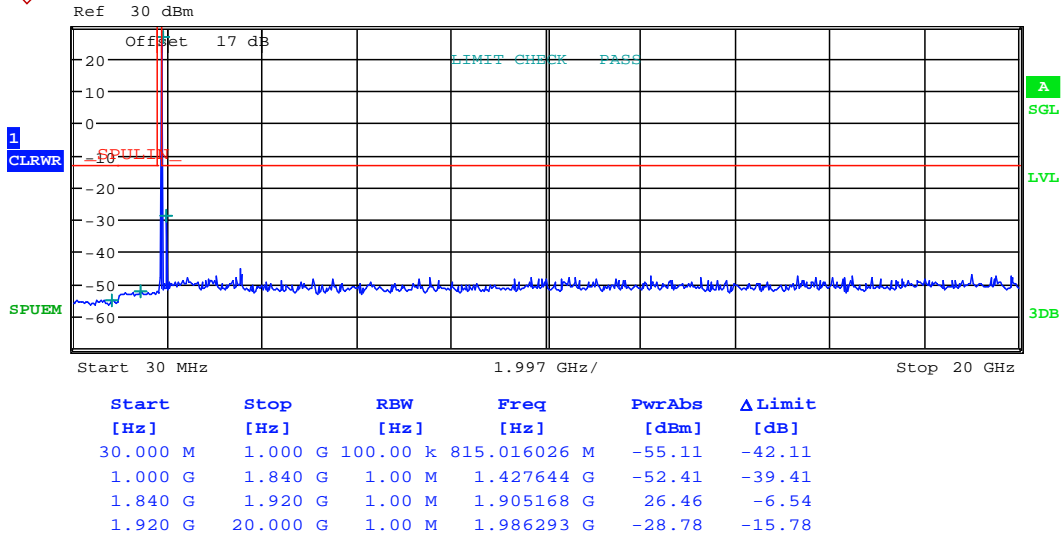
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 561.634615 M | -54.18       | -41.18      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.156324 G   | -52.87       | -39.87      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.879995 G   | 25.71        | -7.29       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.954955 G   | -34.55       | -21.55      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:25:48



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



CONDUCTED SPURIOUS EMISSION

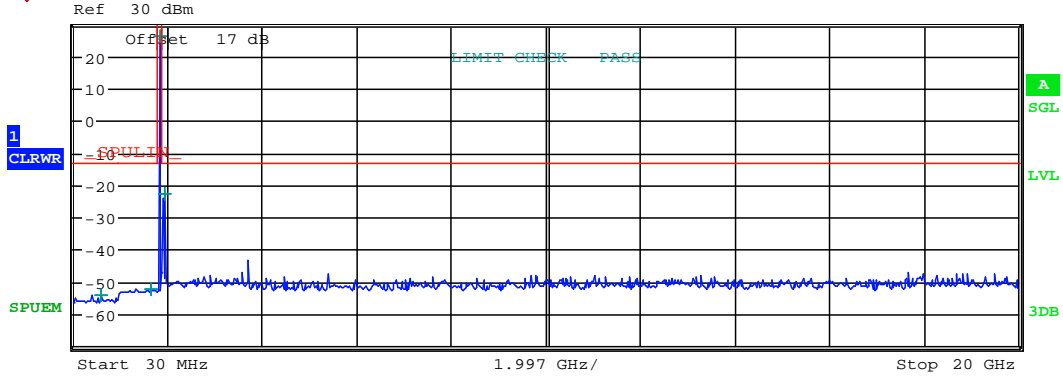
Date: 11.AUG.2020 20:27:22



Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

15MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 603.605769 M | -54.42       | -41.42      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.675360 G   | -52.57       | -39.57      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.857787 G   | 26.18        | -6.82       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.939888 G   | -23.05       | -10.05      |

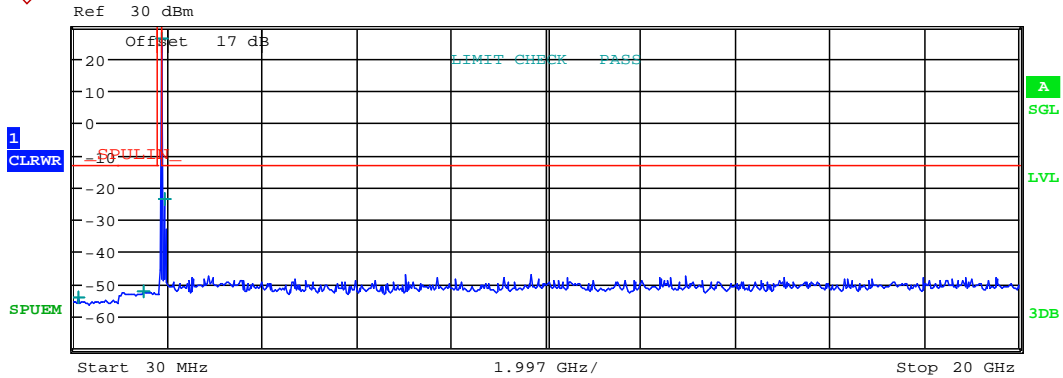
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:30:20



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 1.000 G   | 100.00 k | 115.496795 M | -54.32       | -41.32       |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.487704 G   | -52.55       | -39.55       |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.880181 G   | 26.02        | -6.98        |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.959173 G   | -23.90       | -10.90       |

CONDUCTED SPURIOUS EMISSION

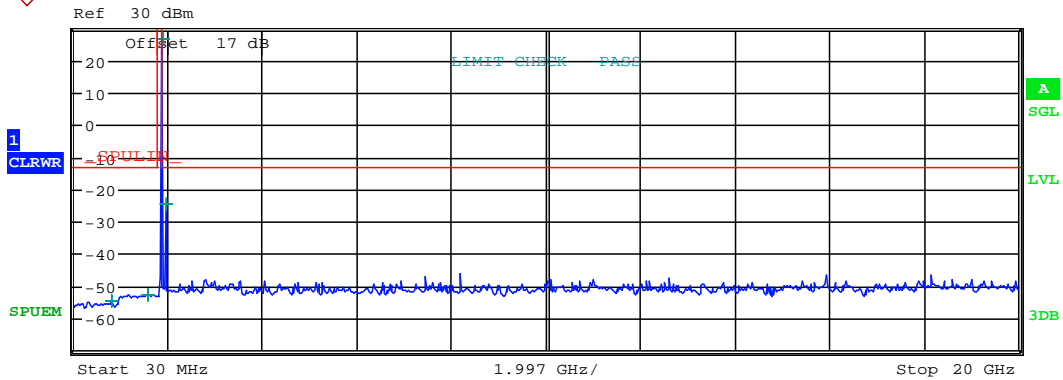
Date: 11.AUG.2020 20:29:58





Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 832.115385 M | -54.68       | -41.68      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.593712 G   | -52.74       | -39.74      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.902576 G   | 26.42        | -6.58       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.980869 G   | -24.64       | -11.64      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:29:33

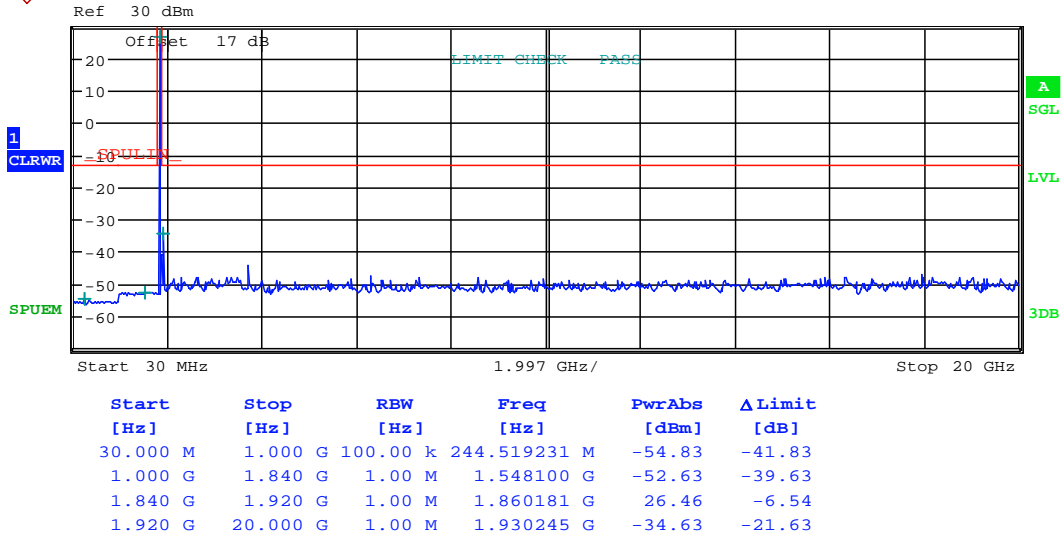


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

20MHz

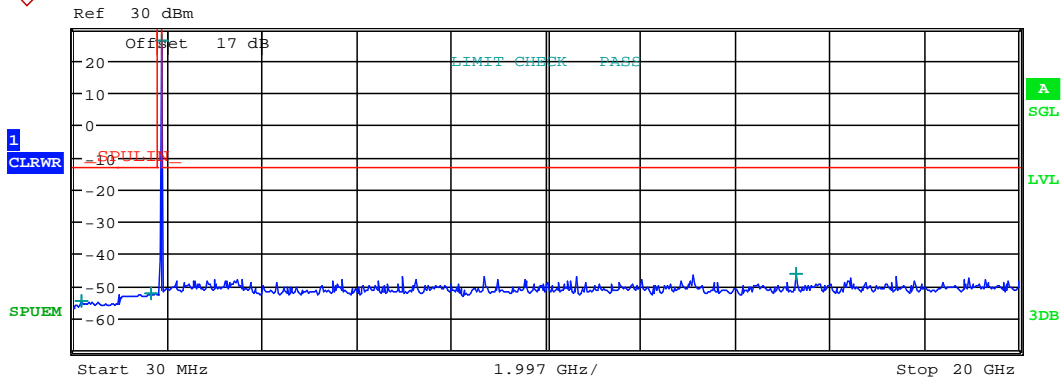


CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:35:32



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 176.121795 M | -54.91       | -41.91      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.652596 G   | -52.41       | -39.41      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.880205 G   | 26.01        | -6.99       |
| 1.920 G    | 20.000 G  | 1.00 M   | 15.288352 G  | -46.06       | -33.06      |

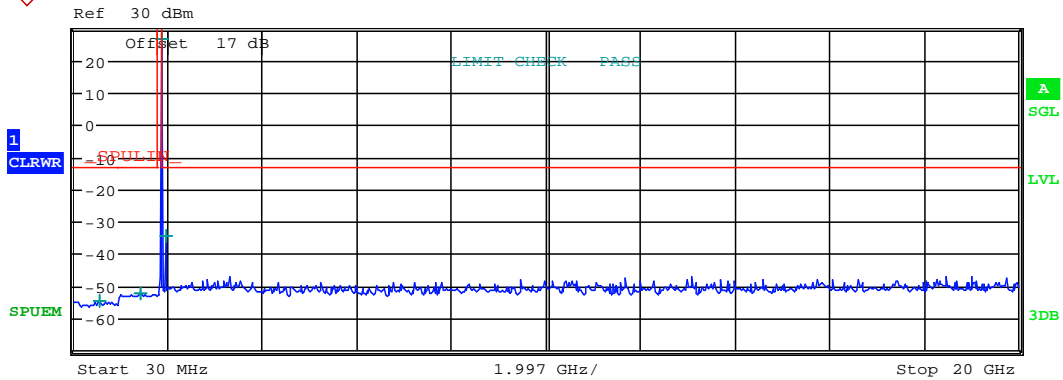
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:35:51



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 583.397436 M | -54.95       | -41.95      |
| 1.000 G    | 1.840 G   | 1.00 M   | 1.435120 G   | -52.60       | -39.60      |
| 1.840 G    | 1.920 G   | 1.00 M   | 1.900003 G   | 26.30        | -6.70       |
| 1.920 G    | 20.000 G  | 1.00 M   | 1.983883 G   | -34.52       | -21.52      |

CONDUCTED SPURIOUS EMISSION

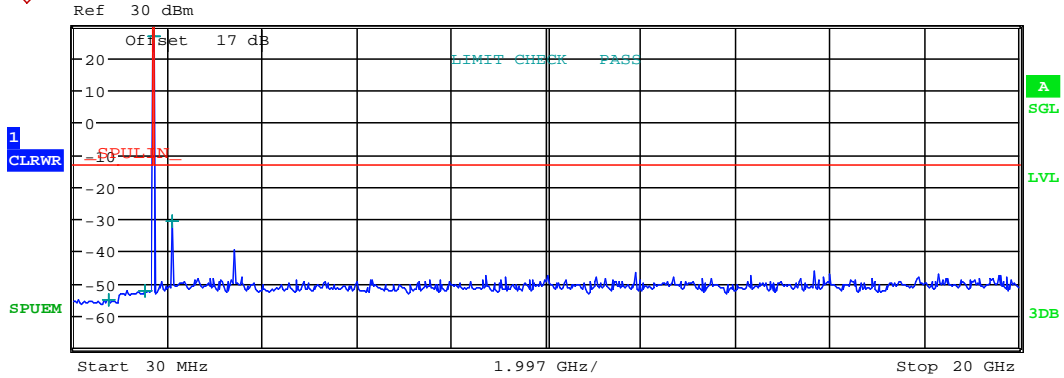
Date: 11.AUG.2020 20:36:20



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

Band IV  
 16QAM  
 1.4MHz

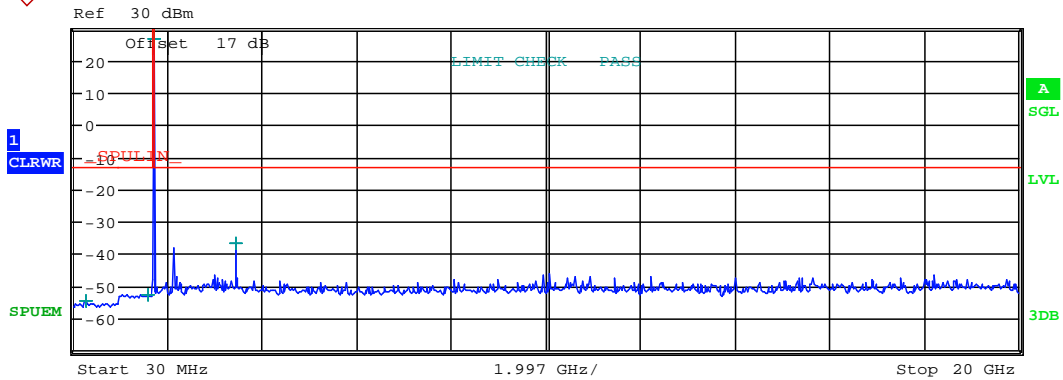


| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 759.054487 M | -55.01       | -42.01      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.520030 G   | -52.52       | -39.52      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.710744 G   | 26.44        | -6.56       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.110249 G   | -30.87       | -17.87      |

CONDUCTED SPURIOUS EMISSION  
 Date: 11.AUG.2020 20:40:41



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 1.000 G   | 100.00 k | 292.708333 M | -54.55       | -41.55       |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.590870 G   | -52.68       | -39.68       |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.732645 G   | 26.41        | -6.59        |
| 1.765 G    | 20.000 G  | 1.00 M   | 3.465110 G   | -36.81       | -23.81       |

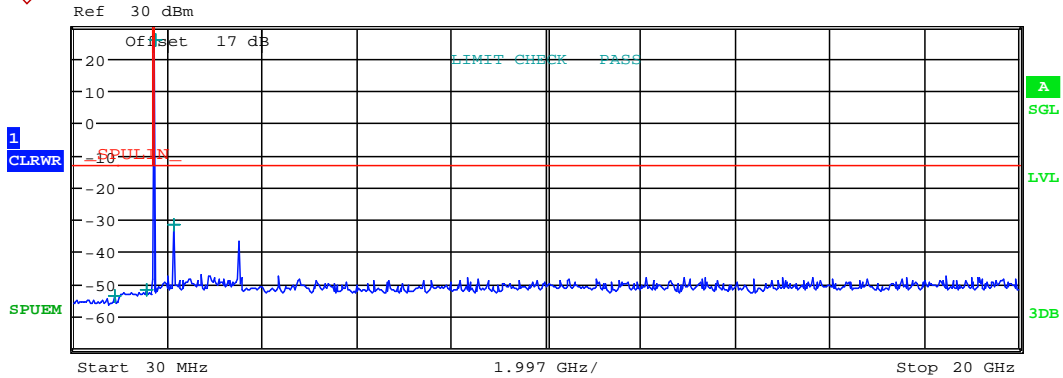
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:41:08



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 1.000 G   | 100.00 k | 892.740385 M | -53.99       | -40.99       |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.557200 G   | -51.79       | -38.79       |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.754336 G   | 25.45        | -7.55        |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.154013 G   | -31.51       | -18.51       |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:41:32

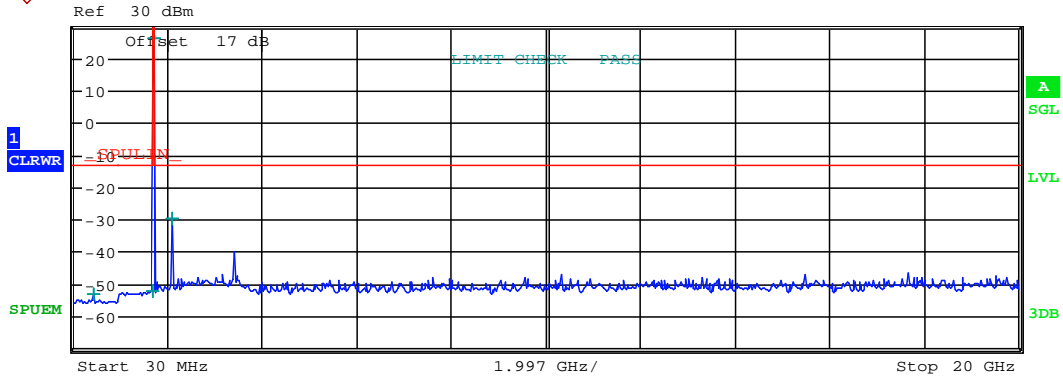


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz

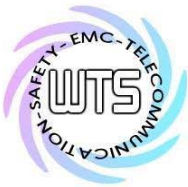


| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 448.157051 M | -53.29       | -40.29      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.692160 G   | -52.48       | -39.48      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.711733 G   | 26.11        | -6.89       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.110249 G   | -29.86       | -16.86      |

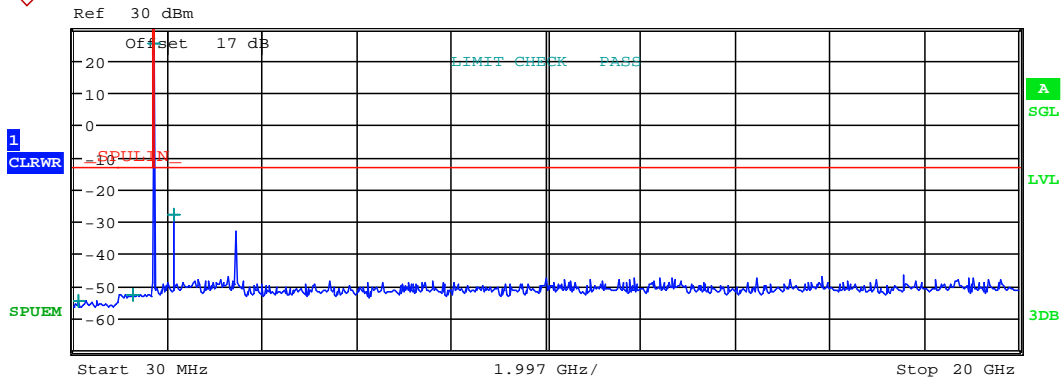
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:44:38





Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



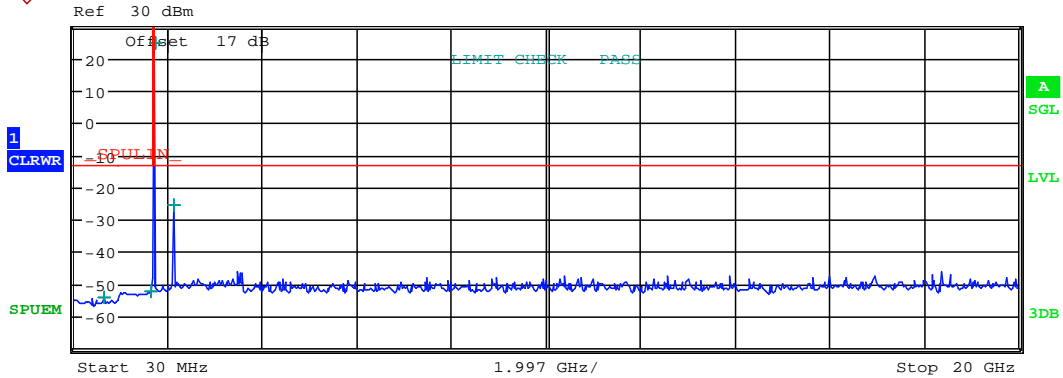
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 138.814103 M | -54.79       | -41.79      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.275170 G   | -52.72       | -39.72      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.732853 G   | 25.14        | -7.86       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.132739 G   | -27.75       | -14.75      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:44:57



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 665.785256 M | -54.45       | -41.45      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.650230 G   | -52.41       | -39.41      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.753720 G   | 24.73        | -8.27       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.154013 G   | -25.47       | -12.47      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:45:34

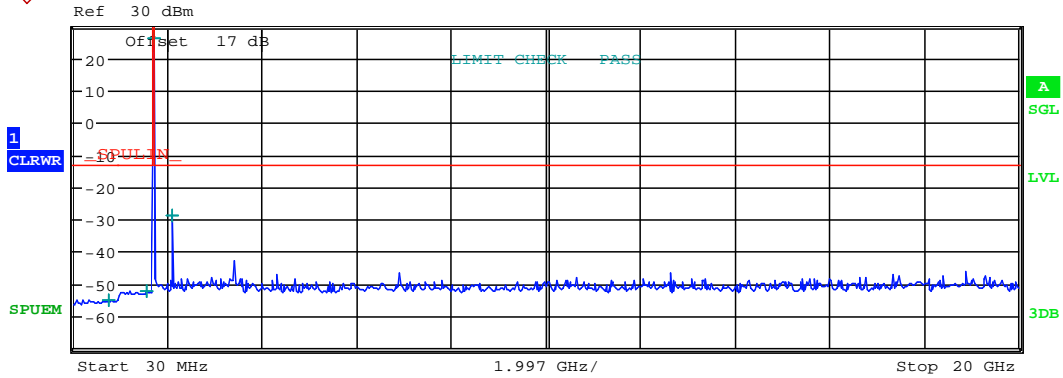


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

5MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 757.500000 M | -55.05       | -42.05      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.555450 G   | -52.20       | -39.20      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.712565 G   | 25.90        | -7.10       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.110857 G   | -28.82       | -15.82      |

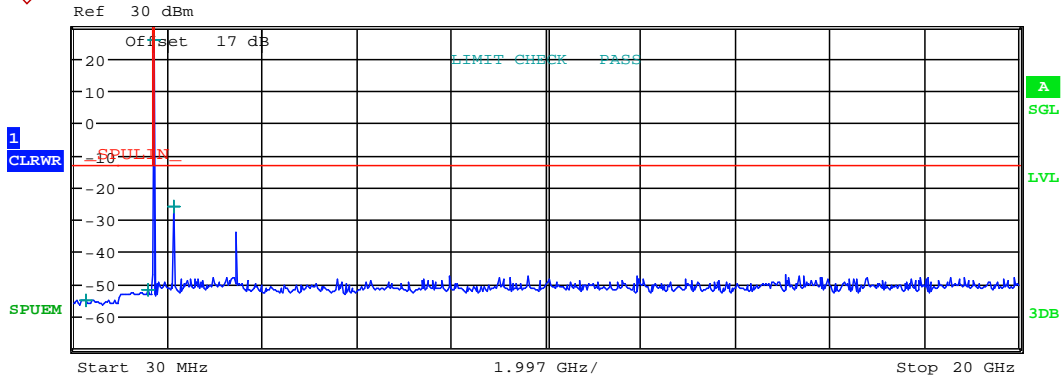
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:49:31



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



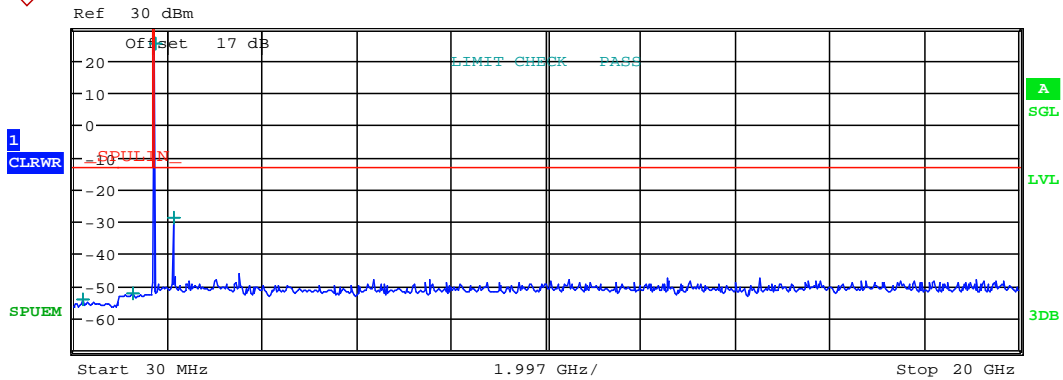
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 280.272436 M | -54.98       | -41.98      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.587860 G   | -52.15       | -39.15      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.732799 G   | 25.55        | -7.45       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.132739 G   | -26.29       | -13.29      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:50:10



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 221.201923 M | -54.11       | -41.11      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.287700 G   | -52.37       | -39.37      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.752579 G   | 25.22        | -7.78       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.151582 G   | -29.13       | -16.13      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:50:36

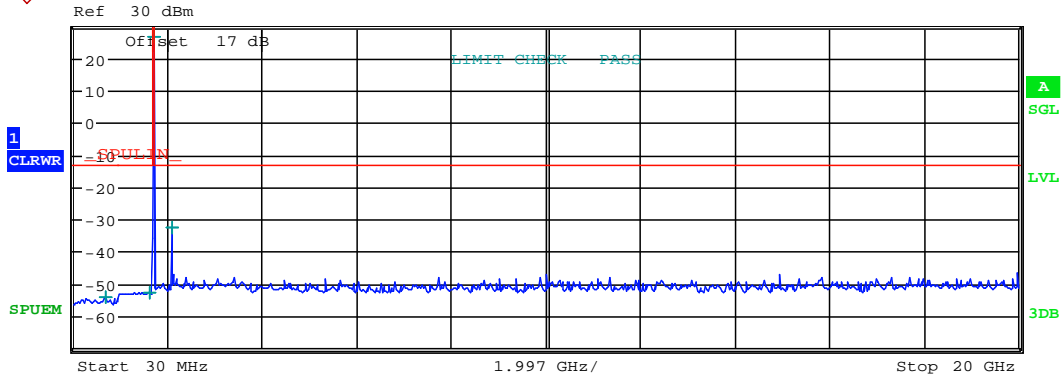


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

10MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 715.528846 M | -54.42       | -41.42      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.623980 G   | -52.86       | -39.86      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.715063 G   | 26.49        | -6.51       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.110249 G   | -32.48       | -19.48      |

CONDUCTED SPURIOUS EMISSION

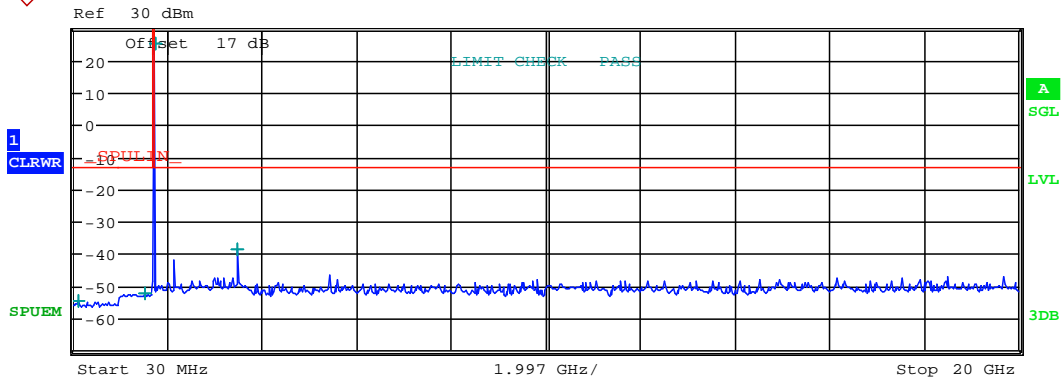
Date: 11.AUG.2020 20:53:29





# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 132.596154 M | -54.83       | -41.83      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.546770 G   | -52.50       | -39.50      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.750148 G   | 25.15        | -7.85       |
| 1.765 G    | 20.000 G  | 1.00 M   | 3.500364 G   | -38.94       | -25.94      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:54:06

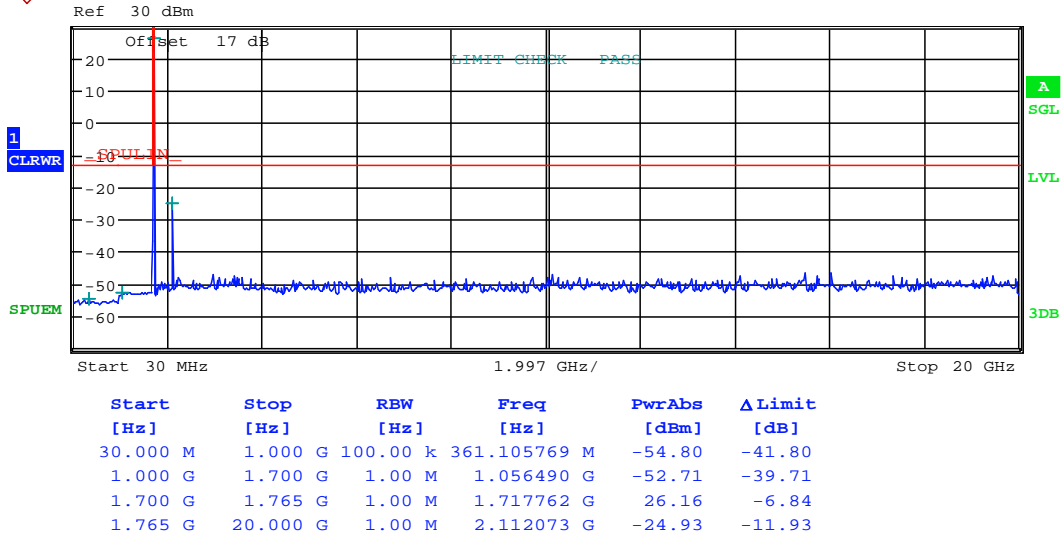




Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

15MHz



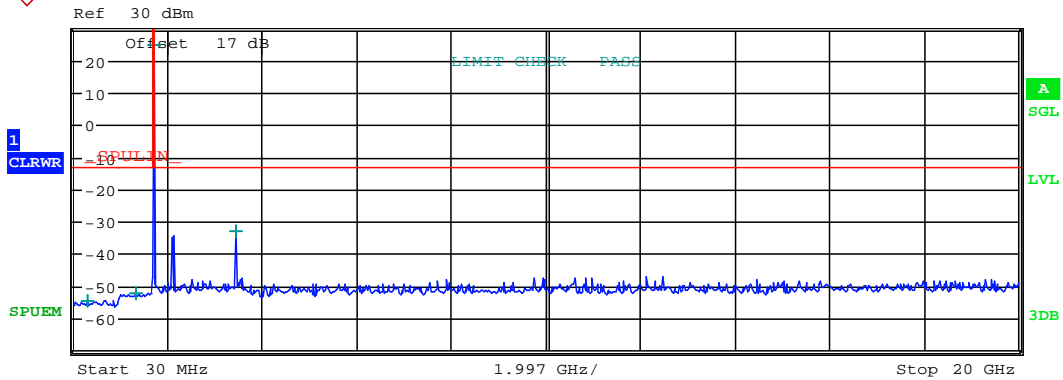
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:56:31



# Worldwide Testing Services(Taiwan) Co., Ltd.

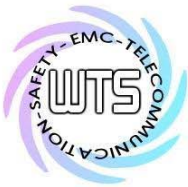
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 1.000 G   | 100.00 k | 314.471154 M | -54.51       | -41.51       |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.333270 G   | -52.43       | -39.43       |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.732513 G   | 24.40        | -8.60        |
| 1.765 G    | 20.000 G  | 1.00 M   | 3.465110 G   | -33.36       | -20.36       |

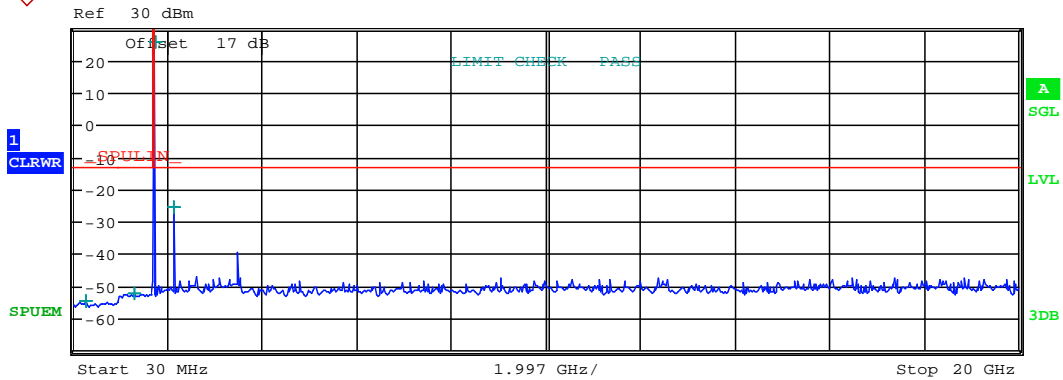
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:57:02



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 1.000 G   | 100.00 k | 289.599359 M | -54.92       | -41.92       |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.319270 G   | -52.44       | -39.44       |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.747632 G   | 25.35        | -7.65        |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.146111 G   | -25.52       | -12.52       |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:57:20

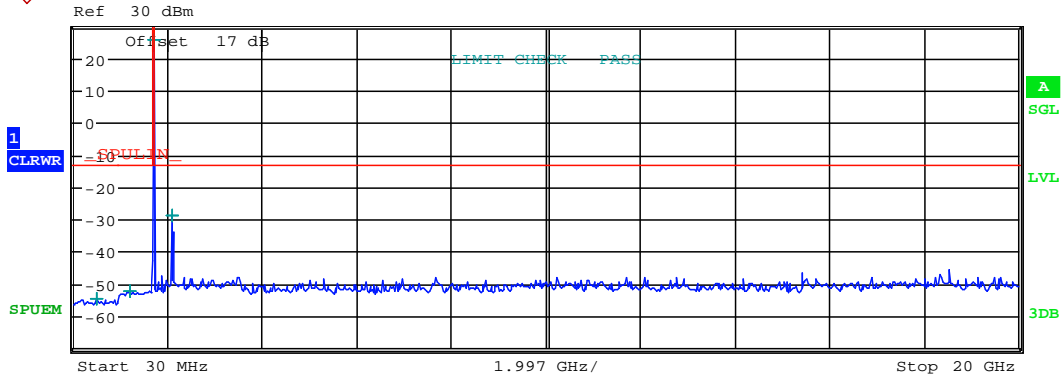


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

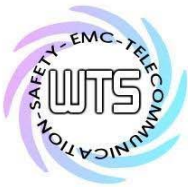
20MHz



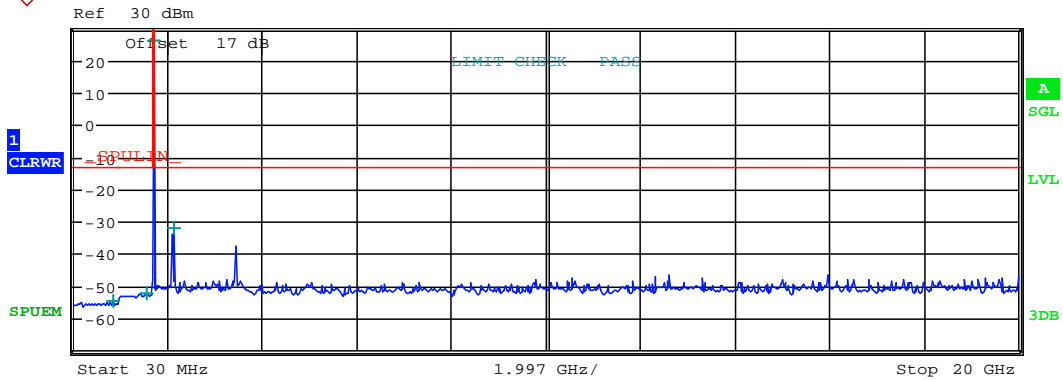
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 518.108974 M | -54.71       | -41.71      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.203910 G   | -52.51       | -39.51      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.720104 G   | 25.43        | -7.57       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.110857 G   | -28.98       | -15.98      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:00:54



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 864.759615 M | -54.90       | -41.90      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.577780 G   | -52.26       | -39.26      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.732513 G   | 26.19        | -6.81       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.132131 G   | -32.07       | -19.07      |

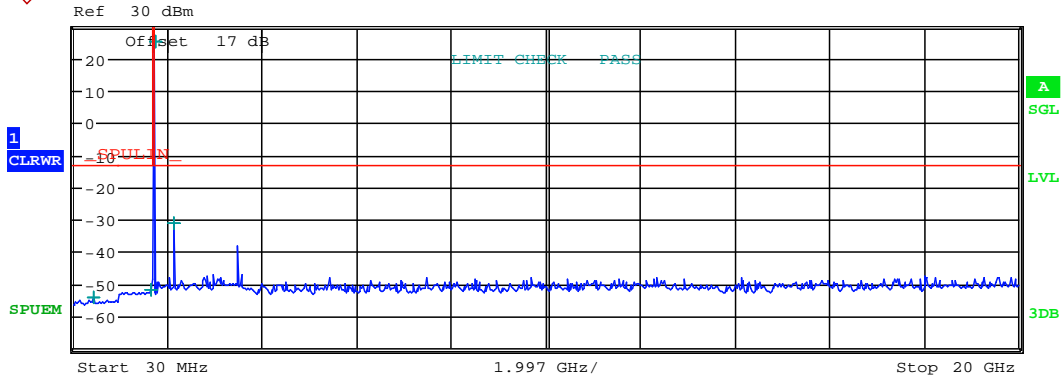
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:01:30



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 459.038462 M | -54.32       | -41.32      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.651070 G   | -51.83       | -38.83      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.745153 G   | 25.06        | -7.94       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.152190 G   | -31.40       | -18.40      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:01:56



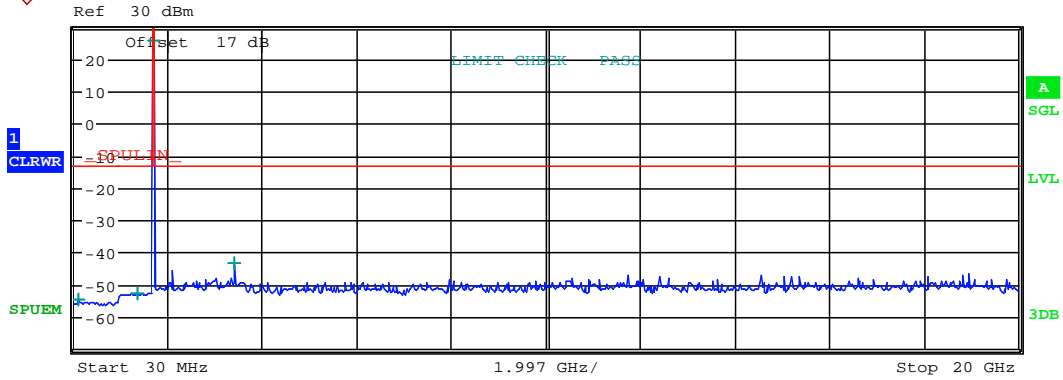
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

QPSK

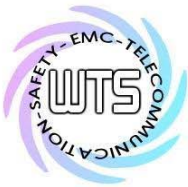
1.4MHz



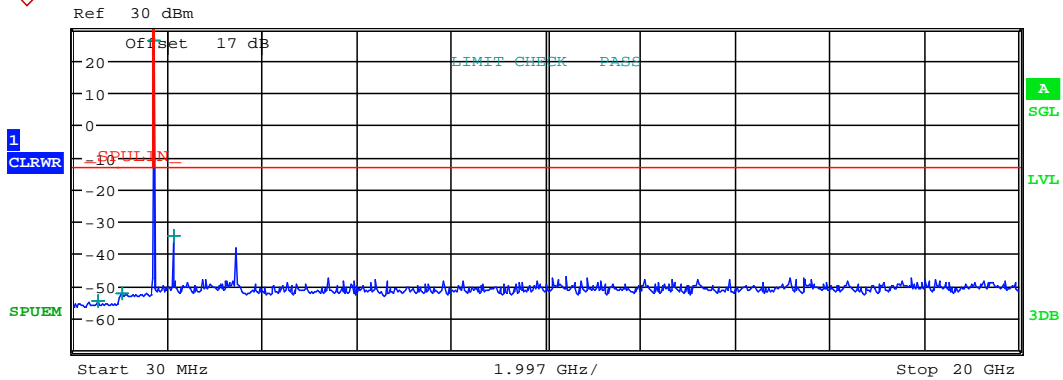
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 137.259615 M | -54.65       | -41.65      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.388640 G   | -52.90       | -39.90      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.710914 G   | 25.62        | -7.38       |
| 1.765 G    | 20.000 G  | 1.00 M   | 3.421954 G   | -43.40       | -30.40      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:43:19



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Start 30 MHz 1.997 GHz/ Stop 20 GHz

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 1.000 G   | 100.00 k | 549.198718 M | -54.83       | -41.83       |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.064470 G   | -52.37       | -39.37       |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.732669 G   | 25.92        | -7.08        |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.133347 G   | -34.52       | -21.52       |

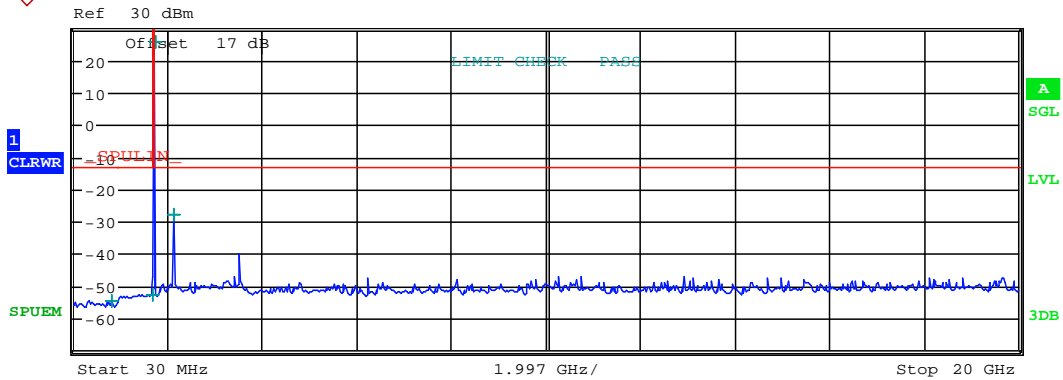
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:42:56





Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 825.897436 M | -54.85       | -41.85      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.693700 G   | -52.69       | -39.69      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.754312 G   | 25.58        | -7.42       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.153405 G   | -28.18       | -15.18      |

CONDUCTED SPURIOUS EMISSION

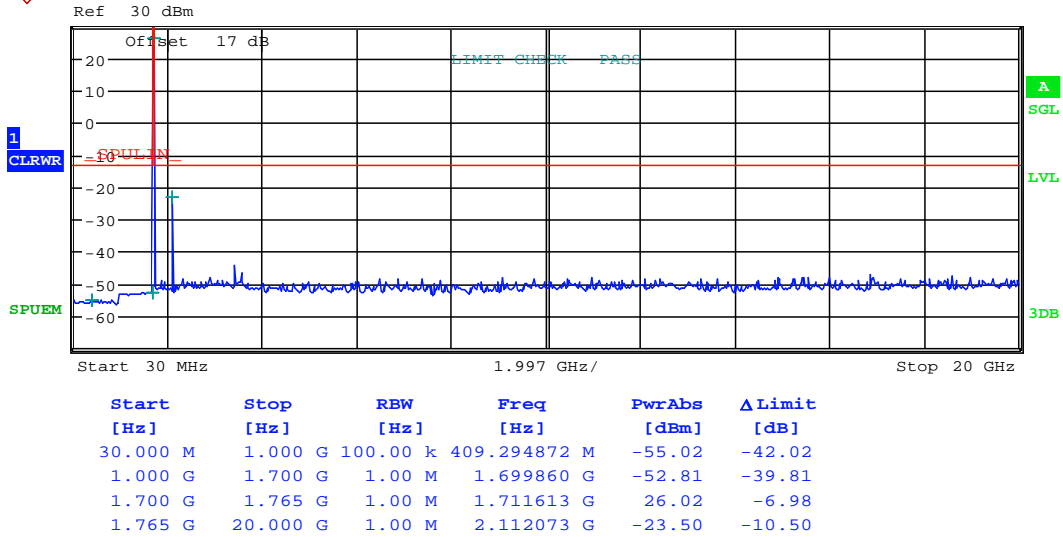
Date: 11.AUG.2020 20:42:33



Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz

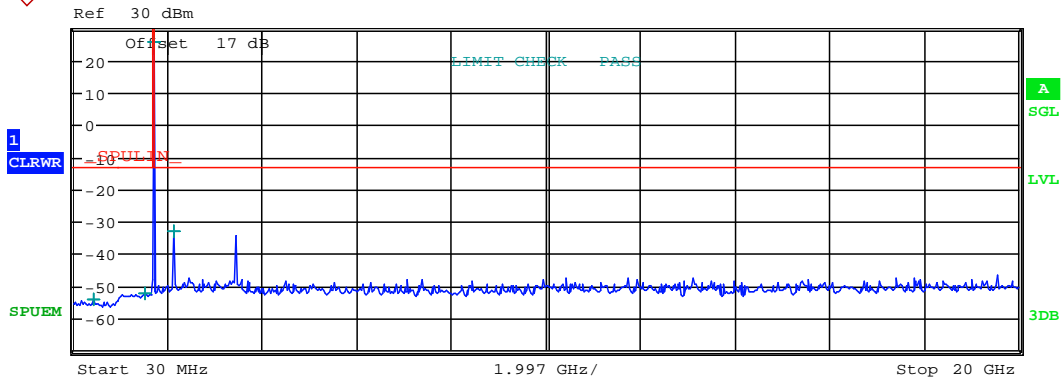


CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:46:21



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



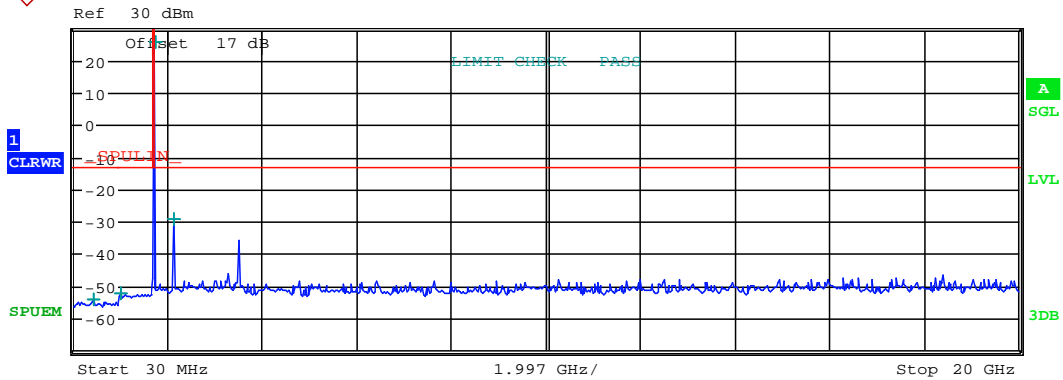
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 457.483974 M | -54.48       | -41.48      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.542360 G   | -52.54       | -39.54      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.732689 G   | 25.71        | -7.29       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.132131 G   | -33.02       | -20.02      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:46:50



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 434.166667 M | -54.11       | -41.11      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.036120 G   | -52.50       | -39.50      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.753762 G   | 25.70        | -7.30       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.154013 G   | -29.60       | -16.60      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:47:11

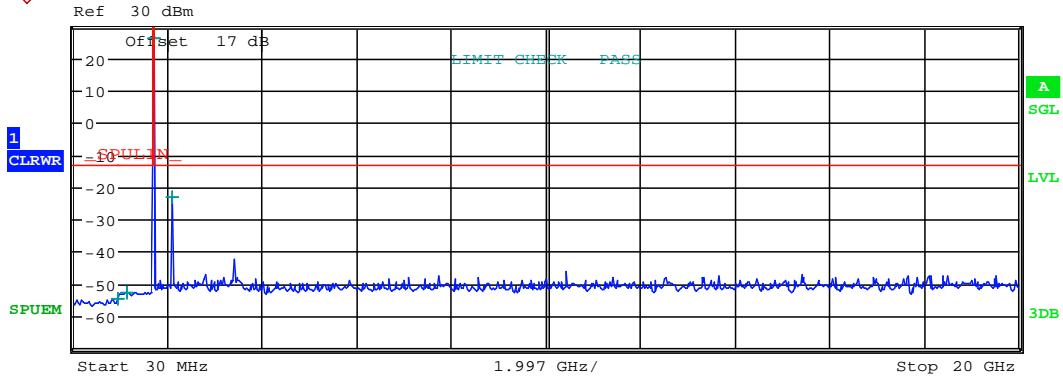


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

5MHz



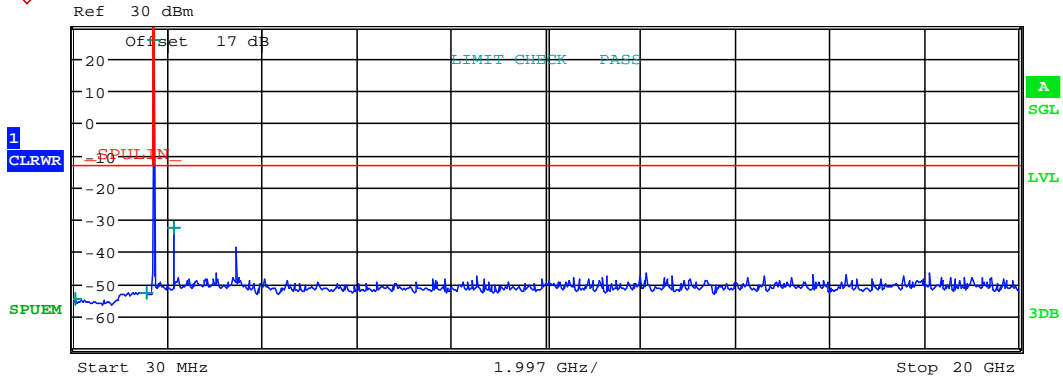
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 942.483974 M | -54.71       | -41.71      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.145250 G   | -52.65       | -39.65      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.712679 G   | 25.89        | -7.11       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.113288 G   | -23.28       | -10.28      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:52:07



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]   | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|-------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 65.753205 M | -54.86       | -41.86      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.570430 G  | -52.71       | -39.71      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.732747 G  | 25.36        | -7.64       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.131524 G  | -32.52       | -19.52      |

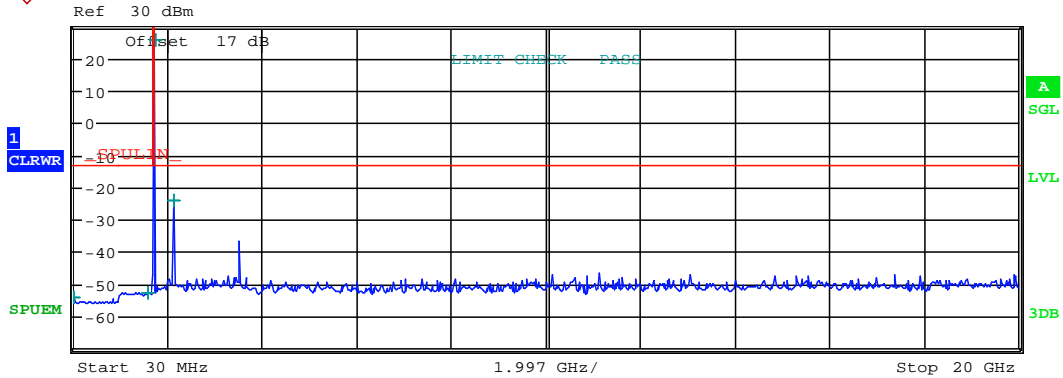
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:51:42



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]   | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|-------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 34.663462 M | -54.35       | -41.35      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.608440 G  | -52.68       | -39.68      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.752704 G  | 25.60        | -7.40       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.151582 G  | -24.43       | -11.43      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:51:13

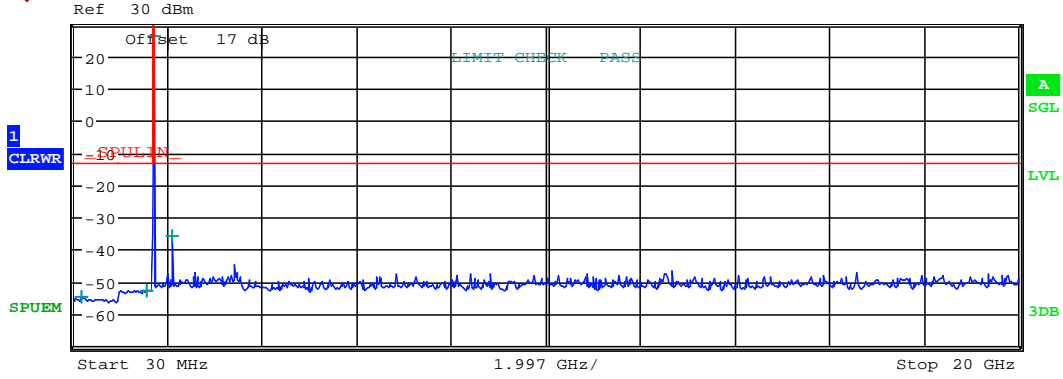


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

10MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 183.894231 M | -54.87       | -41.87      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.559370 G   | -52.69       | -39.69      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.715000 G   | 25.91        | -7.09       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.110249 G   | -36.09       | -23.09      |

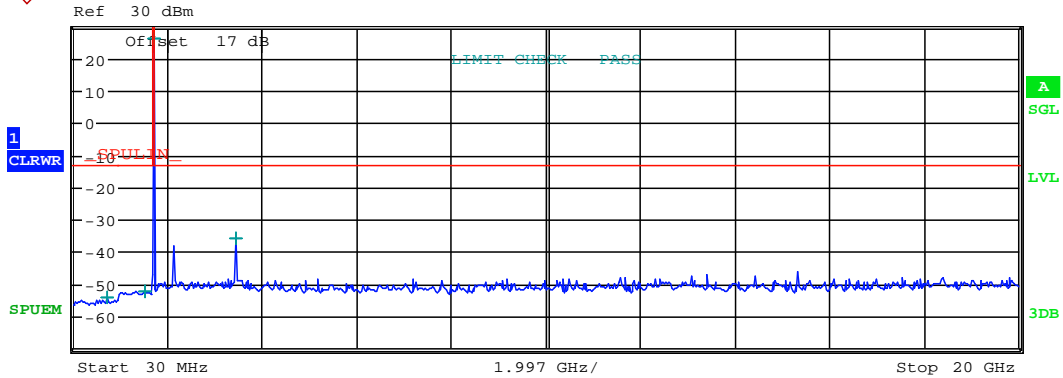
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:55:10





Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



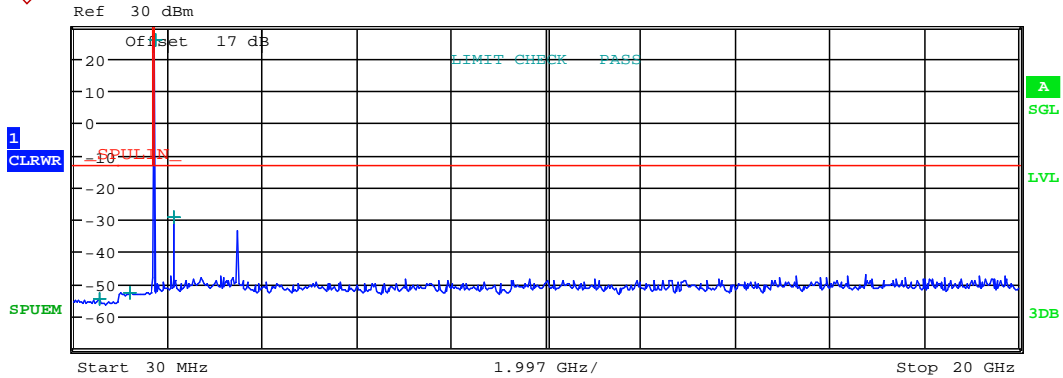
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 748.173077 M | -54.34       | -41.34      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.548520 G   | -52.29       | -39.29      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.732589 G   | 26.04        | -6.96       |
| 1.765 G    | 20.000 G  | 1.00 M   | 3.465110 G   | -35.85       | -22.85      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:54:51



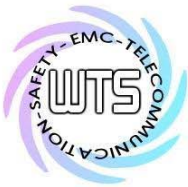
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 1.000 G   | 100.00 k | 583.397436 M | -54.61       | -41.61       |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.206430 G   | -52.78       | -39.78       |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.750158 G   | 25.54        | -7.46        |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.146111 G   | -29.24       | -16.24       |

CONDUCTED SPURIOUS EMISSION

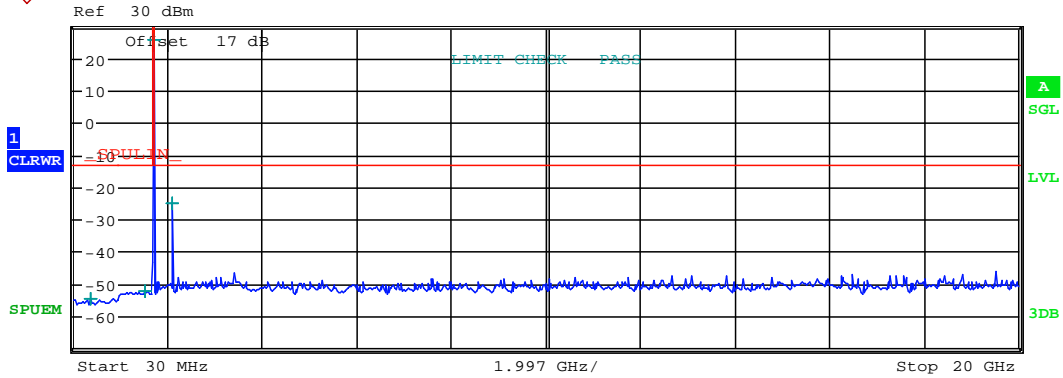
Date: 11.AUG.2020 20:54:27



Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

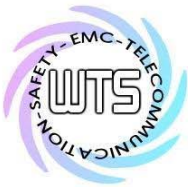
15MHz



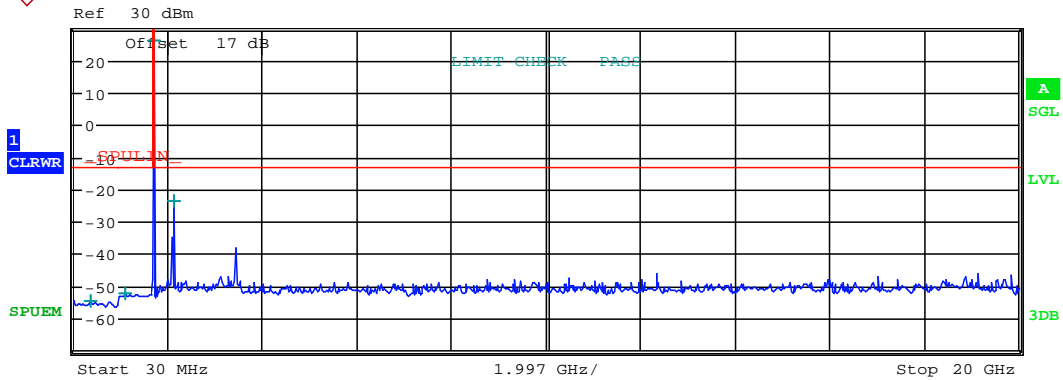
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 389.086538 M | -54.54       | -41.54      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.530810 G   | -52.62       | -39.62      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.717719 G   | 25.56        | -7.44       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.119975 G   | -25.02       | -12.02      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:58:16



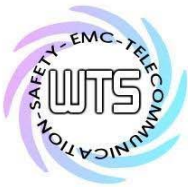
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 376.650641 M | -54.88       | -41.88      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.108920 G   | -52.42       | -39.42      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.732680 G   | 26.02        | -6.98       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.127877 G   | -23.86       | -10.86      |

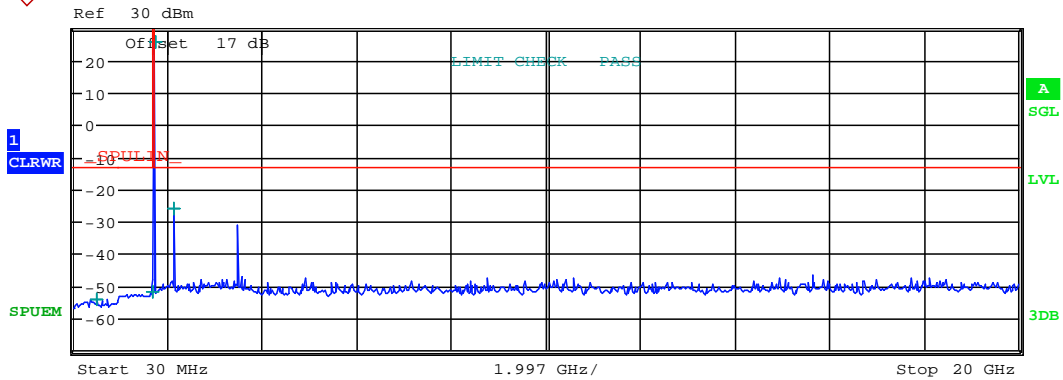
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 20:57:59



# Worldwide Testing Services(Taiwan) Co., Ltd.

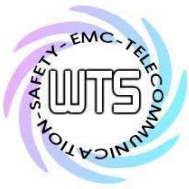
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 1.000 G   | 100.00 k | 508.782051 M | -54.31       | -41.31       |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.690410 G   | -52.15       | -39.15       |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.747704 G   | 25.47        | -7.53        |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.148543 G   | -26.29       | -13.29       |

CONDUCTED SPURIOUS EMISSION

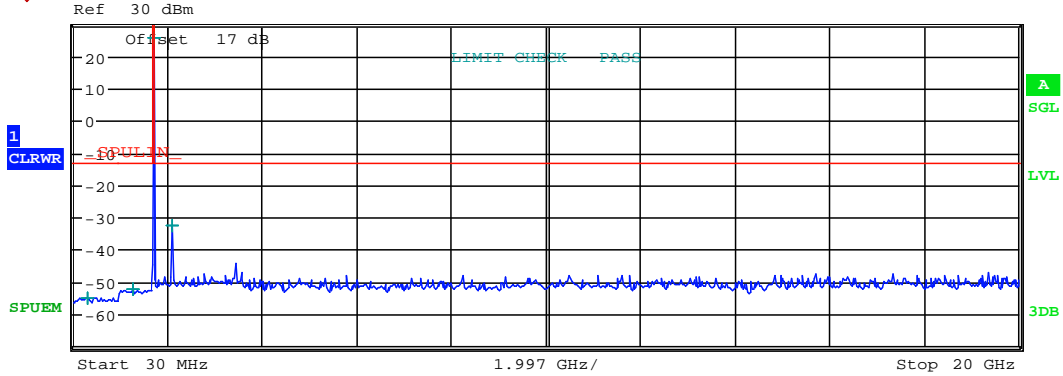
Date: 11.AUG.2020 20:57:40



Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

20MHz



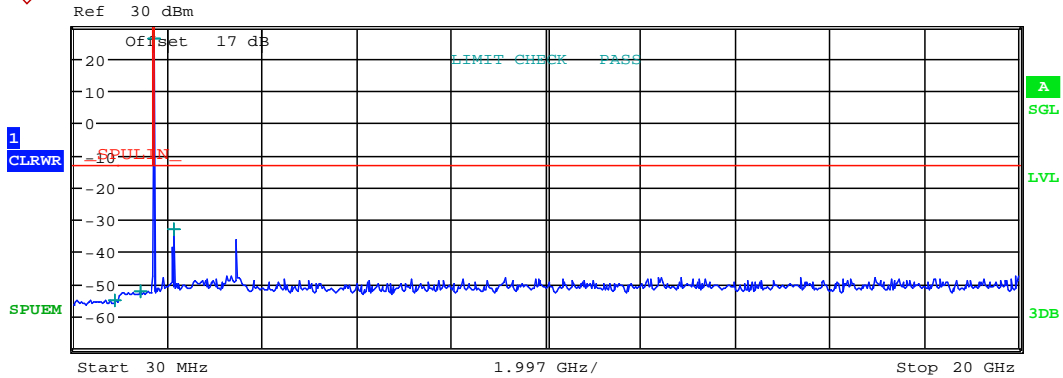
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 323.798077 M | -55.13       | -42.13      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.280770 G   | -52.61       | -39.61      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.720157 G   | 25.54        | -7.46       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.110249 G   | -32.79       | -19.79      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:03:21



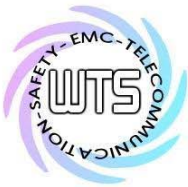
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



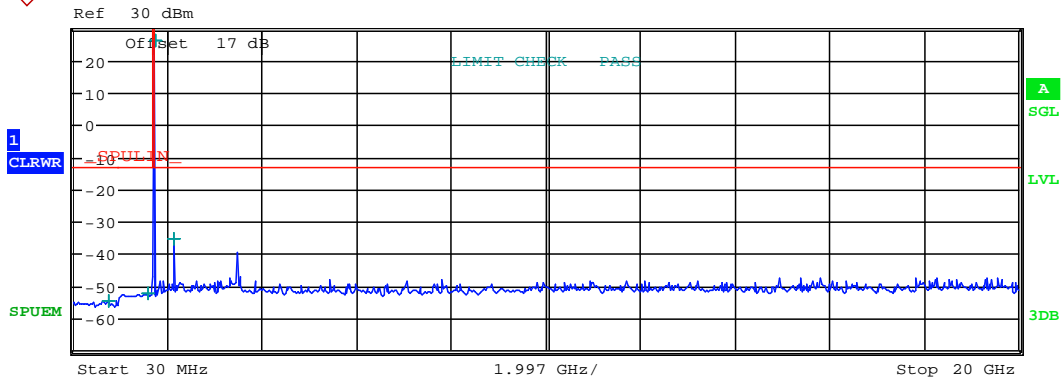
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 909.839744 M | -55.21       | -42.21      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.435190 G   | -52.40       | -39.40      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.732400 G   | 25.79        | -7.21       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.128484 G   | -32.96       | -19.96      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:02:54



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

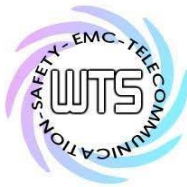


| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 1.000 G   | 100.00 k | 754.391026 M | -54.61       | -41.61      |
| 1.000 G    | 1.700 G   | 1.00 M   | 1.594440 G   | -52.50       | -39.50      |
| 1.700 G    | 1.765 G   | 1.00 M   | 1.745110 G   | 25.84        | -7.16       |
| 1.765 G    | 20.000 G  | 1.00 M   | 2.135778 G   | -35.36       | -22.36      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:02:26

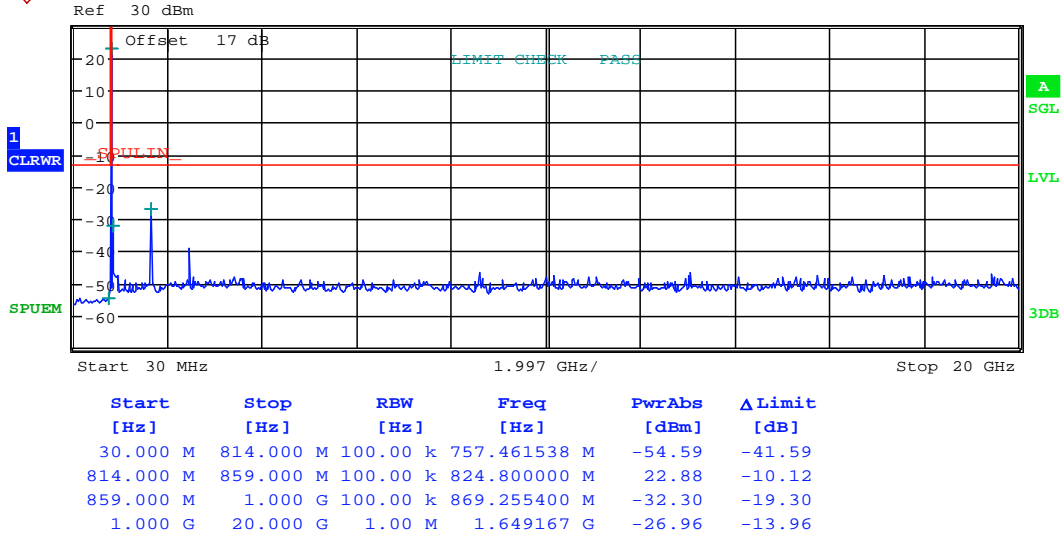




# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

Band V  
 16QAM  
 1.4MHz

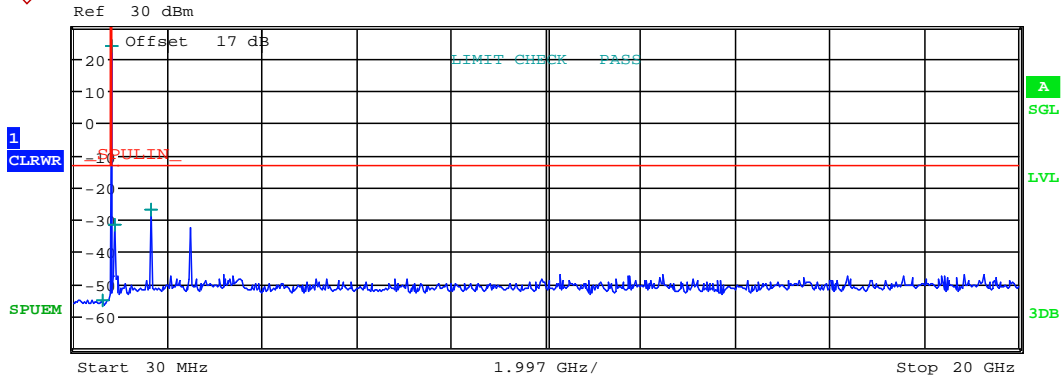


CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:11:34



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 646.897436 M | -55.23       | -42.23      |
| 814.000 M  | 859.000 M | 100.00 k | 836.608000 M | 23.50        | -9.50       |
| 859.000 M  | 1.000 G   | 100.00 k | 881.348500 M | -31.71       | -18.71      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.673233 G   | -26.91       | -13.91      |

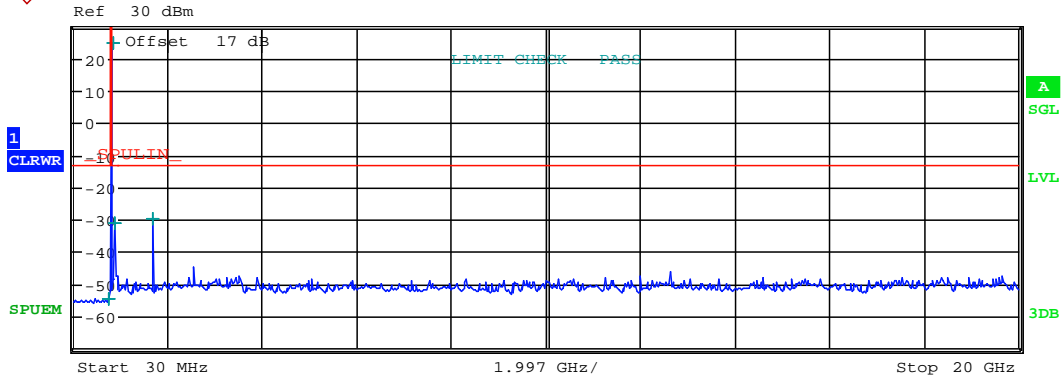
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:12:01



# Worldwide Testing Services(Taiwan) Co., Ltd.

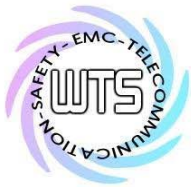
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 814.000 M | 100.00 k | 762.487179 M | -54.59       | -41.59       |
| 814.000 M  | 859.000 M | 100.00 k | 848.375500 M | 24.72        | -8.28        |
| 859.000 M  | 1.000 G   | 100.00 k | 893.122000 M | -31.13       | -18.13       |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.696033 G   | -29.76       | -16.76       |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:12:33

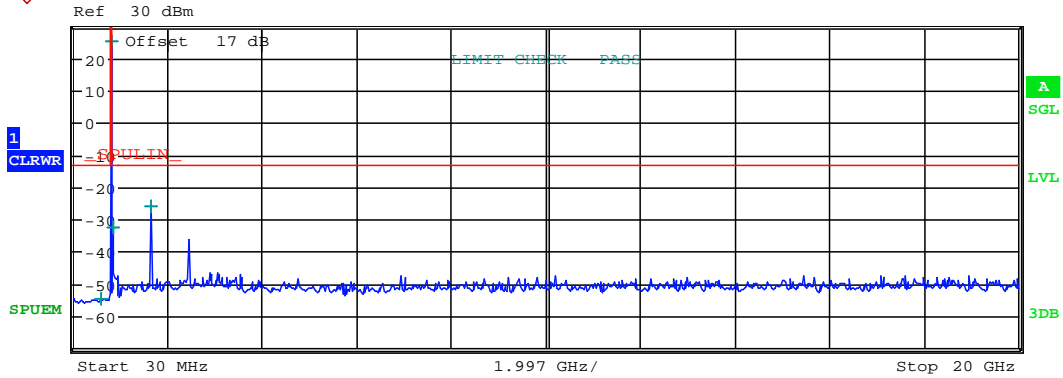


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz



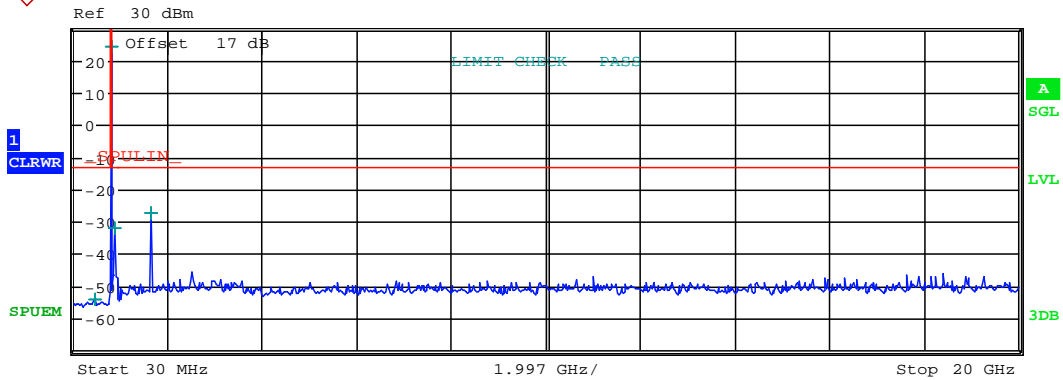
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 602.923077 M | -54.89       | -41.89      |
| 814.000 M  | 859.000 M | 100.00 k | 825.682000 M | 24.92        | -8.08       |
| 859.000 M  | 1.000 G   | 100.00 k | 871.765200 M | -32.80       | -19.80      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.651067 G   | -26.07       | -13.07      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:18:37



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Start 30 MHz 1.997 GHz/ Stop 20 GHz

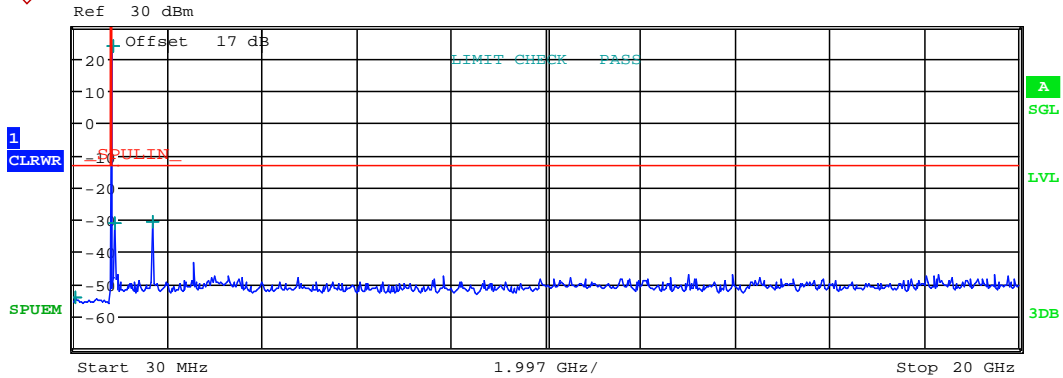
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 814.000 M | 100.00 k | 467.230769 M | -54.49       | -41.49       |
| 814.000 M  | 859.000 M | 100.00 k | 836.680000 M | 24.05        | -8.95        |
| 859.000 M  | 1.000 G   | 100.00 k | 882.147500 M | -32.43       | -19.43       |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.673233 G   | -27.66       | -14.66       |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:19:03



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 65.179487 M  | -54.50       | -41.50      |
| 814.000 M  | 859.000 M | 100.00 k | 847.687000 M | 23.59        | -9.41       |
| 859.000 M  | 1.000 G   | 100.00 k | 892.285400 M | -31.27       | -18.27      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.695400 G   | -30.67       | -17.67      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:19:22

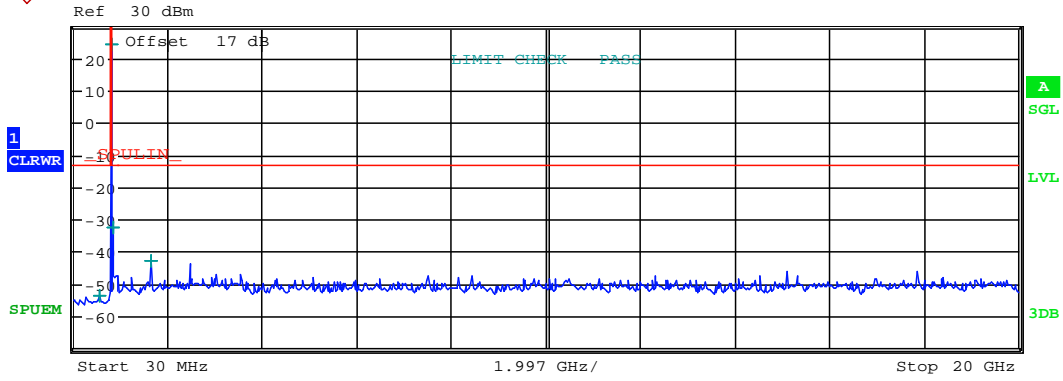


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

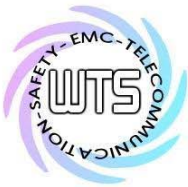
5MHz



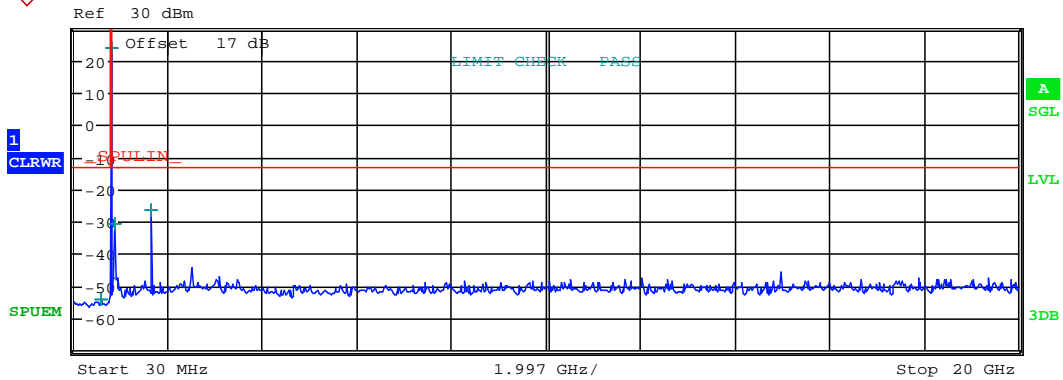
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 560.205128 M | -53.75       | -40.75      |
| 814.000 M  | 859.000 M | 100.00 k | 826.654000 M | 23.96        | -9.04       |
| 859.000 M  | 1.000 G   | 100.00 k | 869.589100 M | -32.51       | -19.51      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.654233 G   | -42.88       | -29.88      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:21:31



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Start 30 MHz 1.997 GHz/ Stop 20 GHz

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 814.000 M | 100.00 k | 614.230769 M | -54.35       | -41.35       |
| 814.000 M  | 859.000 M | 100.00 k | 836.617000 M | 23.80        | -9.20        |
| 859.000 M  | 1.000 G   | 100.00 k | 880.573000 M | -30.88       | -17.88       |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.673233 G   | -26.56       | -13.56       |

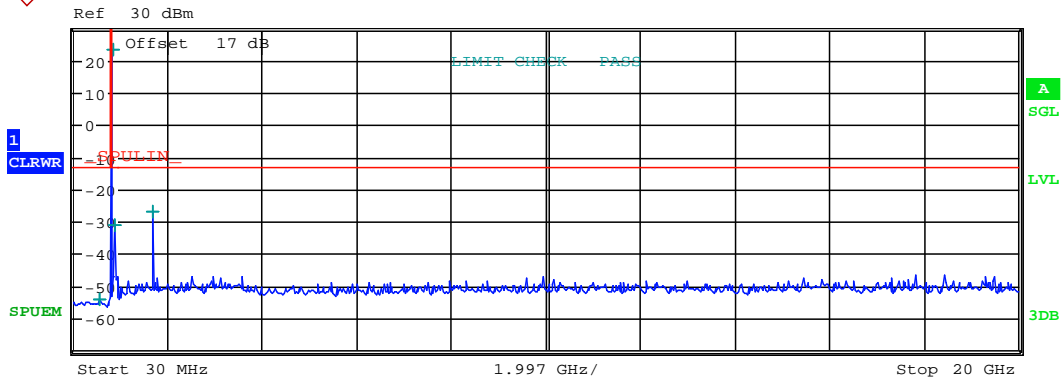
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:21:59





Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 558.948718 M | -54.31       | -41.31      |
| 814.000 M  | 859.000 M | 100.00 k | 846.643000 M | 23.37        | -9.63       |
| 859.000 M  | 1.000 G   | 100.00 k | 893.535600 M | -31.41       | -18.41      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.692867 G   | -26.88       | -13.88      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:22:28

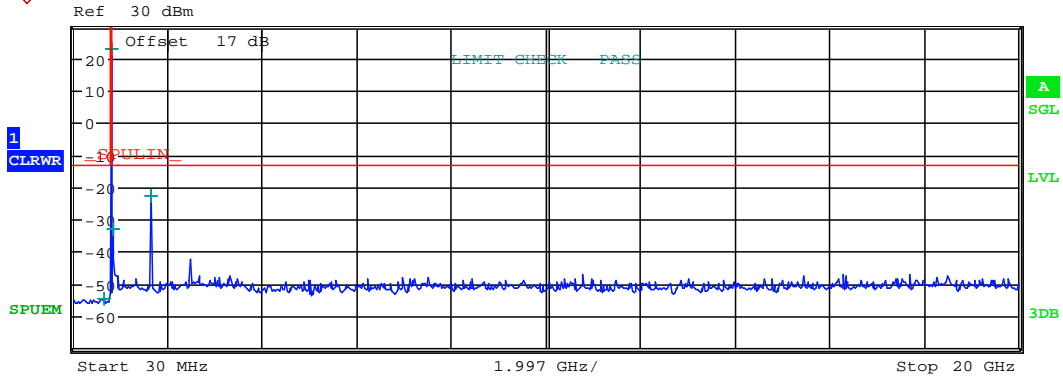


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

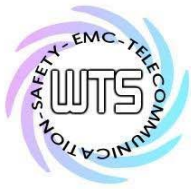
10MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 660.717949 M | -54.71       | -41.71      |
| 814.000 M  | 859.000 M | 100.00 k | 828.989500 M | 22.54        | -10.46      |
| 859.000 M  | 1.000 G   | 100.00 k | 875.680300 M | -33.35       | -20.35      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.658033 G   | -22.70       | -9.70       |

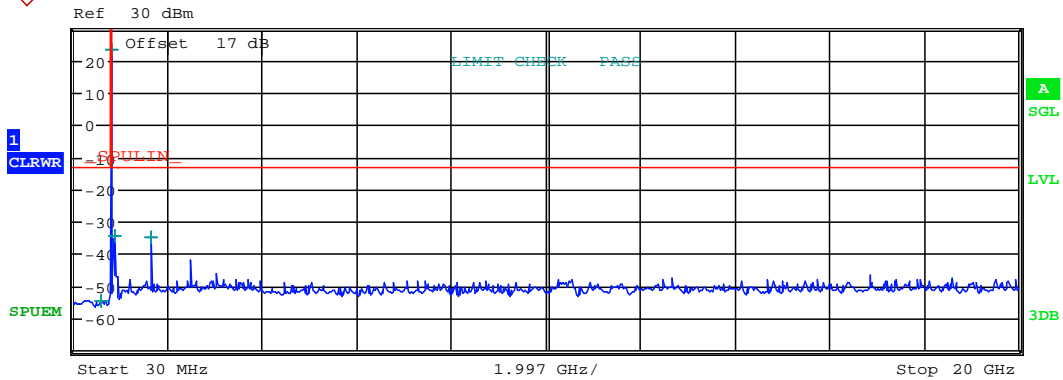
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:27:33



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

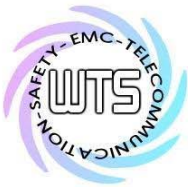


Start 30 MHz 1.997 GHz/ Stop 20 GHz

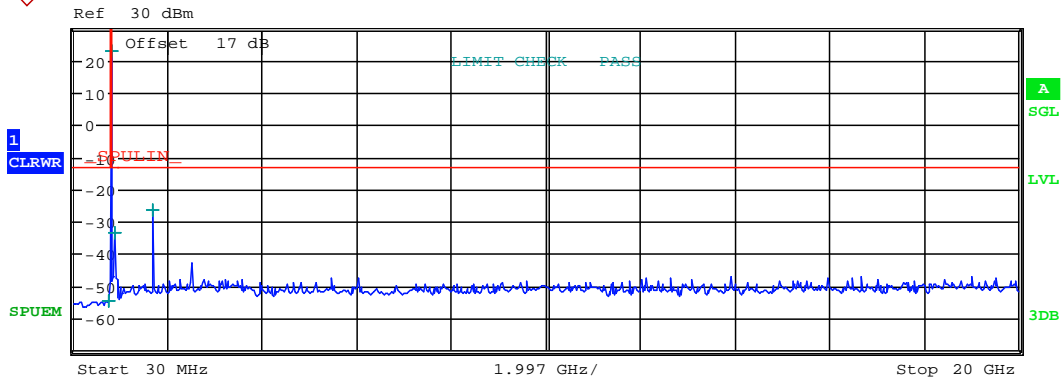
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 614.230769 M | -54.66       | -41.66      |
| 814.000 M  | 859.000 M | 100.00 k | 836.585500 M | 23.05        | -9.95       |
| 859.000 M  | 1.000 G   | 100.00 k | 880.845600 M | -34.49       | -21.49      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.673233 G   | -34.99       | -21.99      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:27:49



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Start 30 MHz 1.997 GHz/ Stop 20 GHz

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 753.692308 M | -54.72       | -41.72      |
| 814.000 M  | 859.000 M | 100.00 k | 844.109500 M | 22.87        | -10.13      |
| 859.000 M  | 1.000 G   | 100.00 k | 884.638500 M | -33.57       | -20.57      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.687800 G   | -26.46       | -13.46      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:28:09



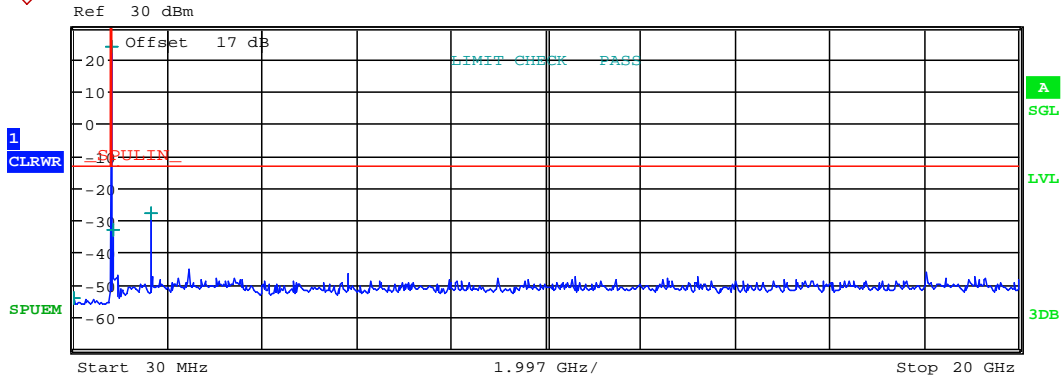
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

QPSK

1.4MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 31.256410 M  | -54.36       | -41.36      |
| 814.000 M  | 859.000 M | 100.00 k | 824.813500 M | 23.48        | -9.52       |
| 859.000 M  | 1.000 G   | 100.00 k | 869.753600 M | -32.94       | -19.94      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.649167 G   | -27.99       | -14.99      |

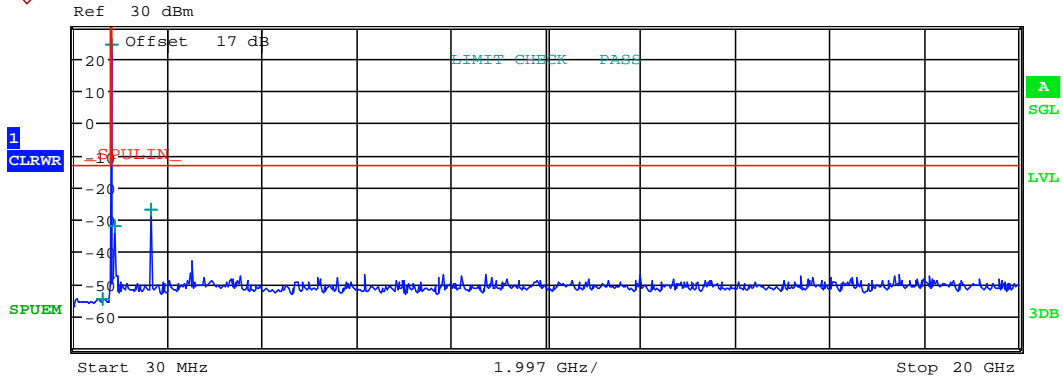
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:15:54



# Worldwide Testing Services(Taiwan) Co., Ltd.

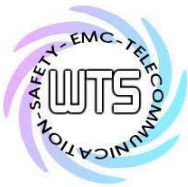
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 653.179487 M | -54.77       | -41.77      |
| 814.000 M  | 859.000 M | 100.00 k | 836.626000 M | 24.15        | -8.85       |
| 859.000 M  | 1.000 G   | 100.00 k | 881.038300 M | -32.15       | -19.15      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.673233 G   | -26.82       | -13.82      |

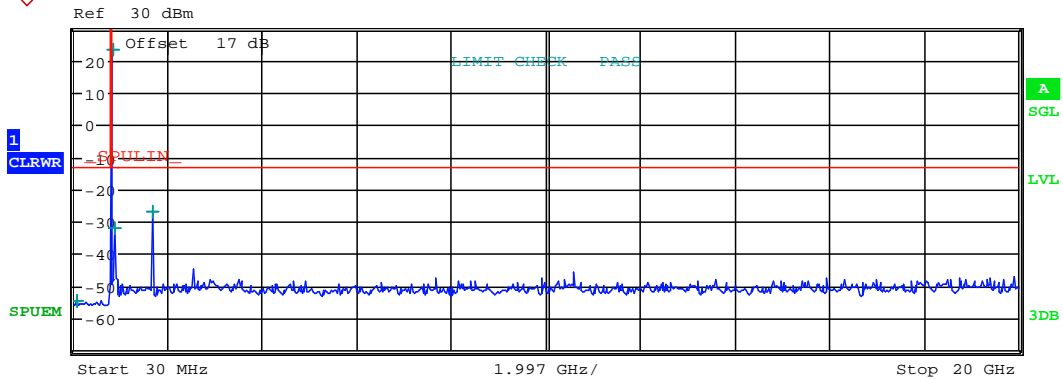
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:14:56



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 814.000 M | 100.00 k | 87.794872 M  | -54.83       | -41.83       |
| 814.000 M  | 859.000 M | 100.00 k | 848.326000 M | 23.04        | -9.96        |
| 859.000 M  | 1.000 G   | 100.00 k | 893.695400 M | -32.22       | -19.22       |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.696667 G   | -27.00       | -14.00       |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:12:55

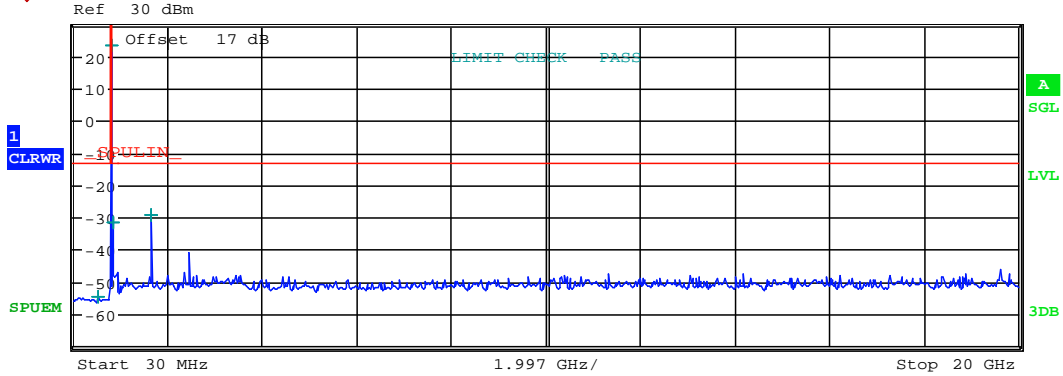


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 531.307692 M | -54.67       | -41.67      |
| 814.000 M  | 859.000 M | 100.00 k | 825.677500 M | 23.40        | -9.60       |
| 859.000 M  | 1.000 G   | 100.00 k | 871.506700 M | -31.69       | -18.69      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.651067 G   | -29.56       | -16.56      |

CONDUCTED SPURIOUS EMISSION

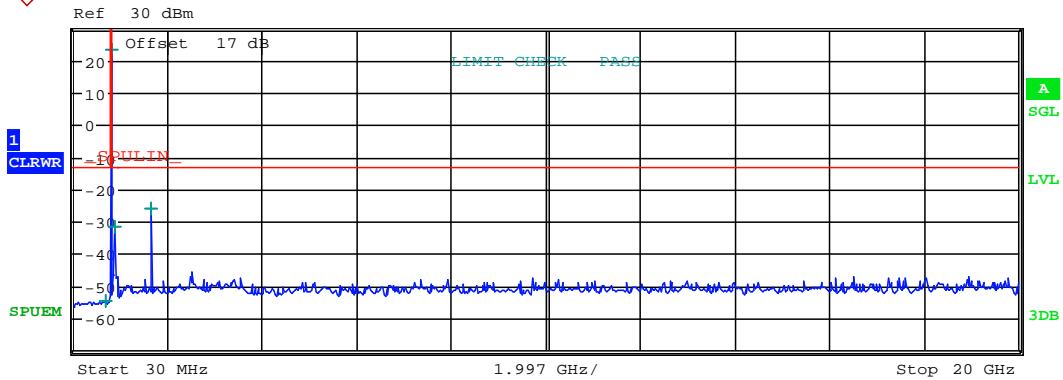
Date: 11.AUG.2020 21:20:32





# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 814.000 M | 100.00 k | 709.717949 M | -54.71       | -41.71       |
| 814.000 M  | 859.000 M | 100.00 k | 836.770000 M | 23.37        | -9.63        |
| 859.000 M  | 1.000 G   | 100.00 k | 881.893700 M | -31.64       | -18.64       |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.673233 G   | -25.91       | -12.91       |

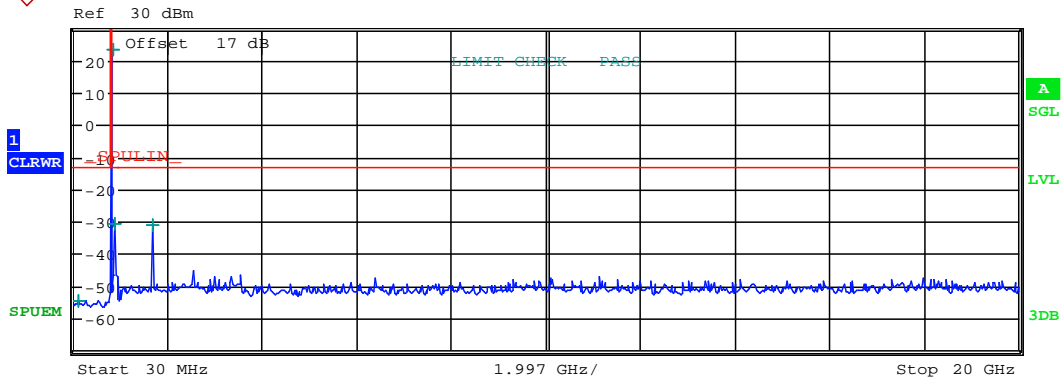
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:20:03



# Worldwide Testing Services(Taiwan) Co., Ltd.

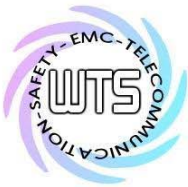
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 134.282051 M | -54.69       | -41.69      |
| 814.000 M  | 859.000 M | 100.00 k | 847.691500 M | 23.20        | -9.80       |
| 859.000 M  | 1.000 G   | 100.00 k | 892.670800 M | -30.86       | -17.86      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.695400 G   | -31.40       | -18.40      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:19:44

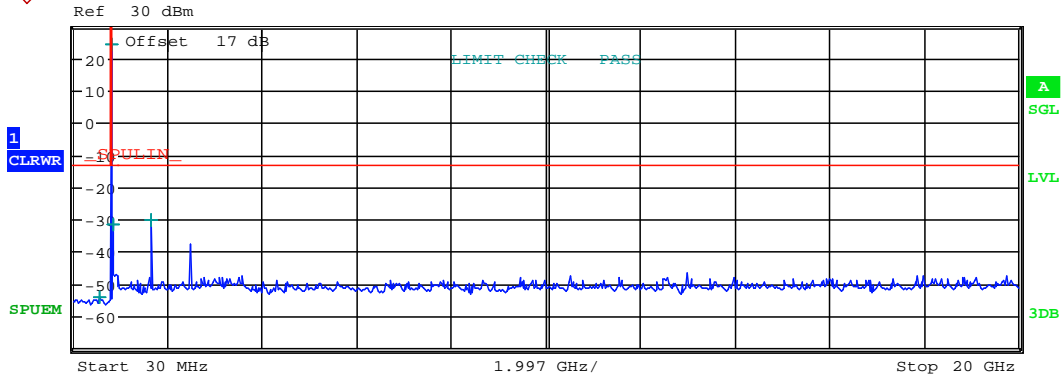


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

5MHz



Start 30 MHz 1.997 GHz/ Stop 20 GHz

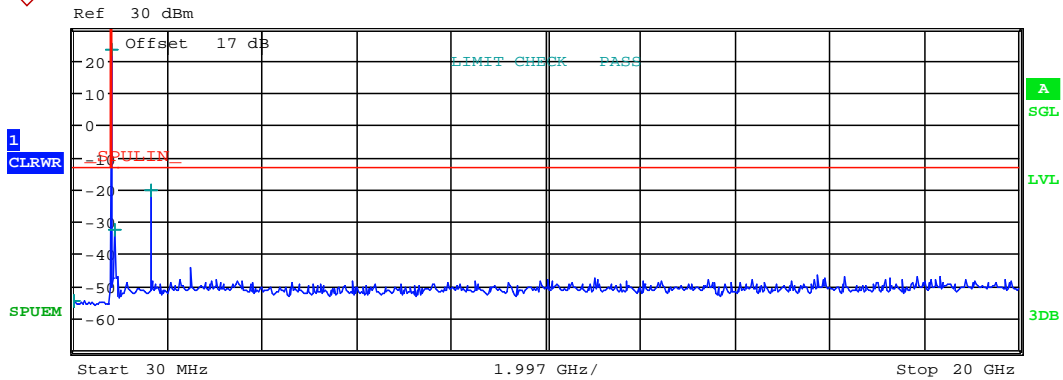
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 577.794872 M | -54.48       | -41.48      |
| 814.000 M  | 859.000 M | 100.00 k | 826.703500 M | 24.09        | -8.91       |
| 859.000 M  | 1.000 G   | 100.00 k | 870.576100 M | -31.97       | -18.97      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.652333 G   | -30.17       | -17.17      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:24:55



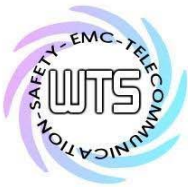
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



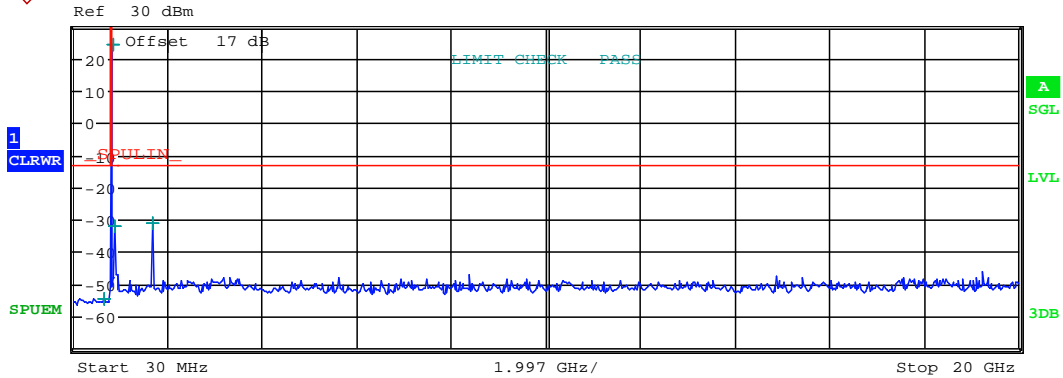
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 814.000 M | 100.00 k | 36.282051 M  | -54.58       | -41.58       |
| 814.000 M  | 859.000 M | 100.00 k | 836.693500 M | 23.03        | -9.97        |
| 859.000 M  | 1.000 G   | 100.00 k | 881.879600 M | -32.45       | -19.45       |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.672600 G   | -20.43       | -7.43        |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:24:26



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Start 30 MHz 1.997 GHz/ Stop 20 GHz

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 683.333333 M | -54.73       | -41.73      |
| 814.000 M  | 859.000 M | 100.00 k | 846.706000 M | 24.17        | -8.83       |
| 859.000 M  | 1.000 G   | 100.00 k | 890.833100 M | -32.39       | -19.39      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.693500 G   | -31.25       | -18.25      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:23:43

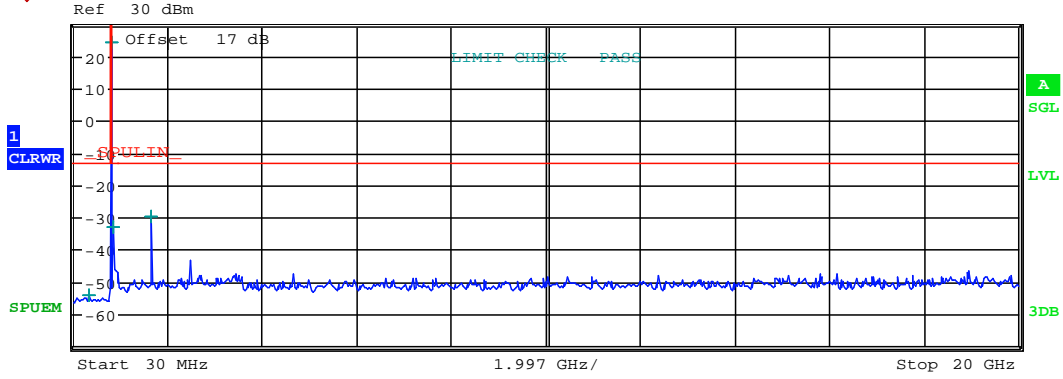


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

10MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 345.358974 M | -54.44       | -41.44      |
| 814.000 M  | 859.000 M | 100.00 k | 829.097500 M | 24.12        | -8.88       |
| 859.000 M  | 1.000 G   | 100.00 k | 870.876900 M | -33.00       | -20.00      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.657400 G   | -29.78       | -16.78      |

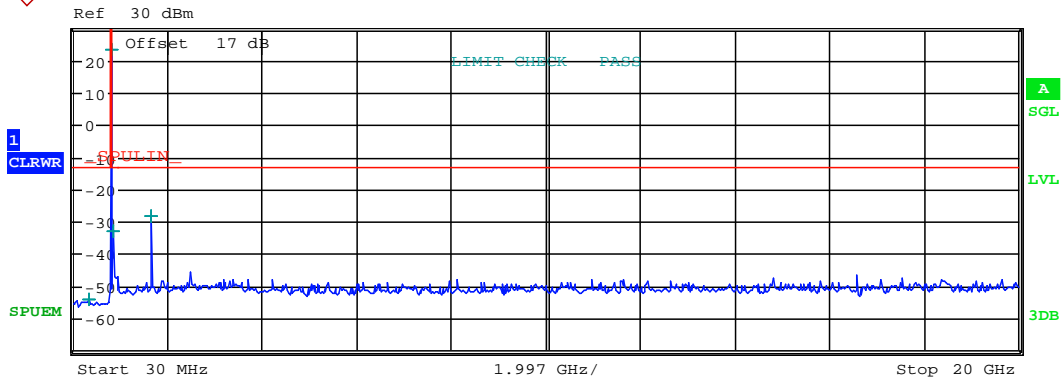
CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:31:19



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



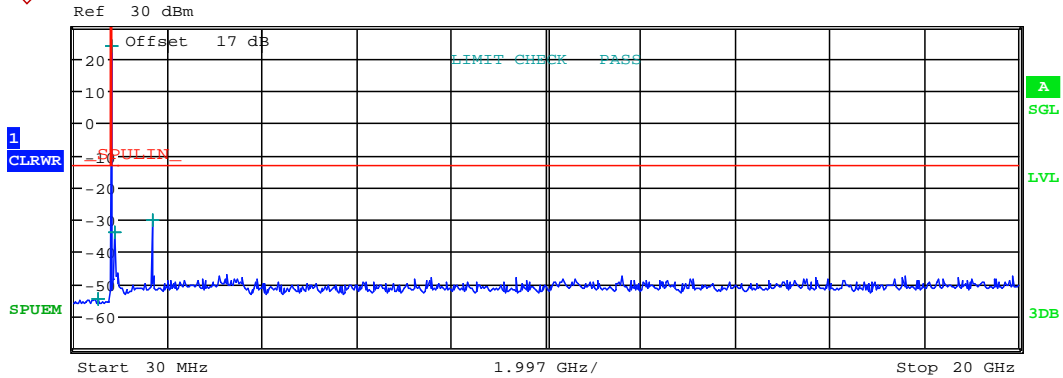
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 356.666667 M | -54.50       | -41.50      |
| 814.000 M  | 859.000 M | 100.00 k | 836.635000 M | 23.29        | -9.71       |
| 859.000 M  | 1.000 G   | 100.00 k | 877.048000 M | -33.07       | -20.07      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.672600 G   | -28.38       | -15.38      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:30:39



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



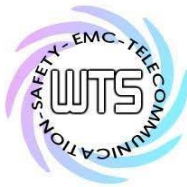
Start 30 MHz 1.997 GHz/ Stop 20 GHz

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 814.000 M | 100.00 k | 535.076923 M | -54.62       | -41.62      |
| 814.000 M  | 859.000 M | 100.00 k | 844.069000 M | 23.56        | -9.44       |
| 859.000 M  | 1.000 G   | 100.00 k | 885.108500 M | -34.23       | -21.23      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.687800 G   | -30.16       | -17.16      |

CONDUCTED SPURIOUS EMISSION

Date: 11.AUG.2020 21:29:43

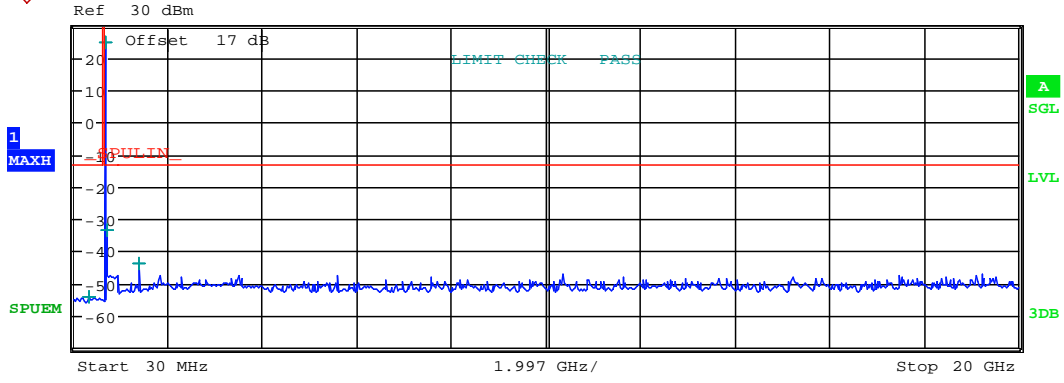




# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

Band XII  
 16QAM  
 1.4MHz

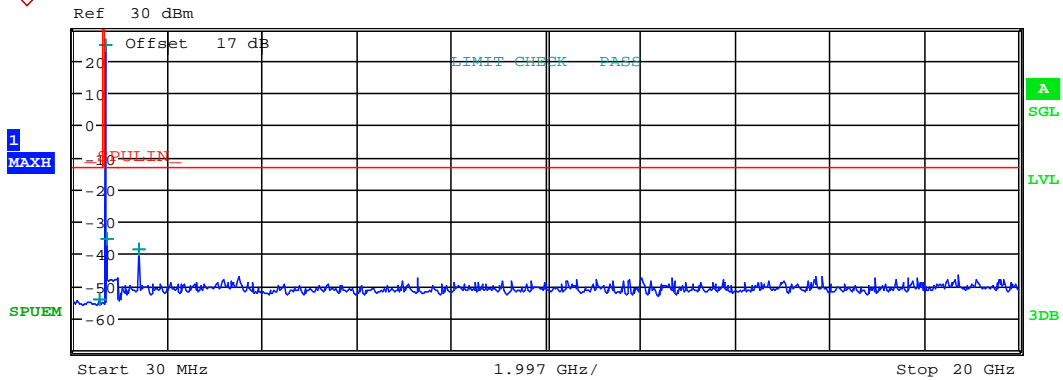


| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 688.000 M | 100.00 k | 334.746795 M | -54.07       | -41.07      |
| 688.000 M  | 726.000 M | 100.00 k | 699.764800 M | 24.50        | -8.50       |
| 726.000 M  | 1.000 G   | 100.00 k | 729.909067 M | -33.50       | -20.50      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.399000 G   | -44.08       | -31.08      |

CONDUCTED SPURIOUS EMISSION  
 Date: 12.AUG.2020 21:18:11



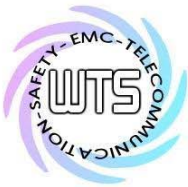
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



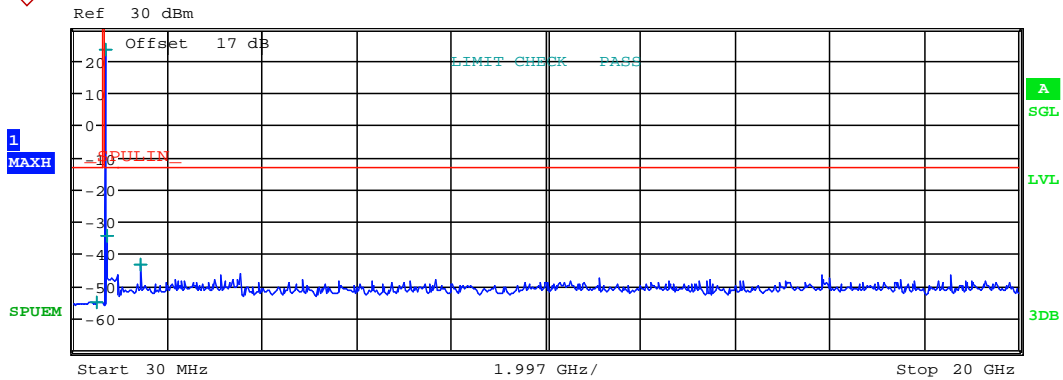
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 688.000 M | 100.00 k | 588.878205 M | -54.35       | -41.35       |
| 688.000 M  | 726.000 M | 100.00 k | 707.611800 M | 24.45        | -8.55        |
| 726.000 M  | 1.000 G   | 100.00 k | 737.763733 M | -35.39       | -22.39       |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.414200 G   | -38.65       | -25.65       |

CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:18:36



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 688.000 M | 100.00 k | 512.955128 M | -54.98       | -41.98       |
| 688.000 M  | 726.000 M | 100.00 k | 715.348600 M | 23.04        | -9.96        |
| 726.000 M  | 1.000 G   | 100.00 k | 744.933400 M | -34.49       | -21.49       |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.430667 G   | -43.29       | -30.29       |

CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:18:56

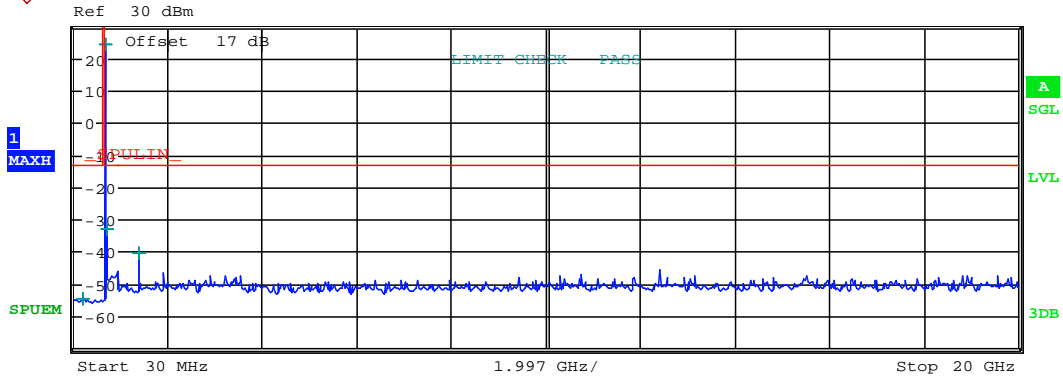


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz



Start 30 MHz 1.997 GHz/ Stop 20 GHz

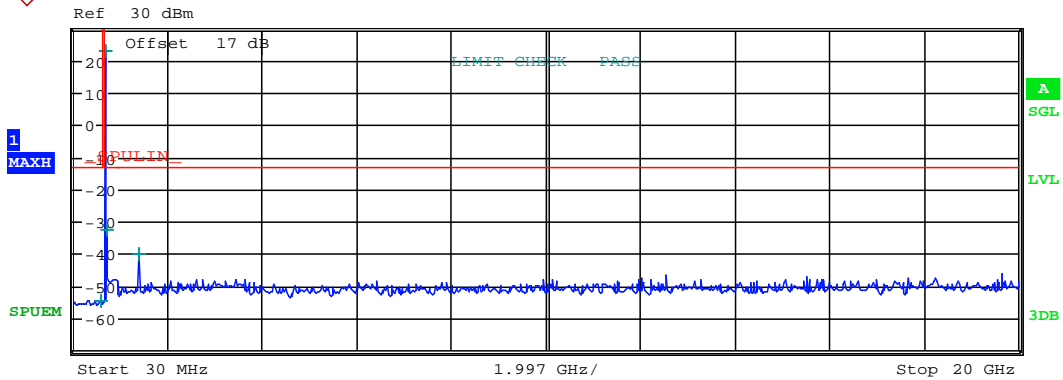
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 688.000 M | 100.00 k | 237.733974 M | -54.61       | -41.61      |
| 688.000 M  | 726.000 M | 100.00 k | 700.718600 M | 24.30        | -8.70       |
| 726.000 M  | 1.000 G   | 100.00 k | 730.849800 M | -32.97       | -19.97      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.400900 G   | -40.66       | -27.66      |

CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:21:16



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Start 30 MHz 1.997 GHz/ Stop 20 GHz

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 688.000 M | 100.00 k | 617.349359 M | -54.65       | -41.65       |
| 688.000 M  | 726.000 M | 100.00 k | 707.744800 M | 22.86        | -10.14       |
| 726.000 M  | 1.000 G   | 100.00 k | 738.412200 M | -32.62       | -19.62       |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.415467 G   | -40.41       | -27.41       |

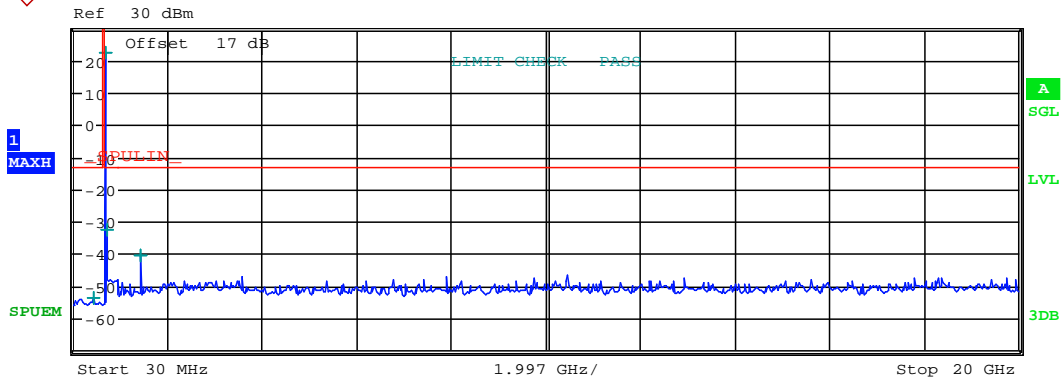
CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:21:38



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

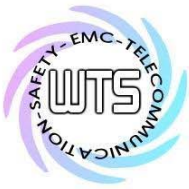


Start 30 MHz 1.997 GHz/ Stop 20 GHz

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 688.000 M | 100.00 k | 441.250000 M | -53.77       | -40.77      |
| 688.000 M  | 726.000 M | 100.00 k | 714.660800 M | 22.38        | -10.62      |
| 726.000 M  | 1.000 G   | 100.00 k | 745.225667 M | -32.49       | -19.49      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.429400 G   | -40.76       | -27.76      |

CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:21:59

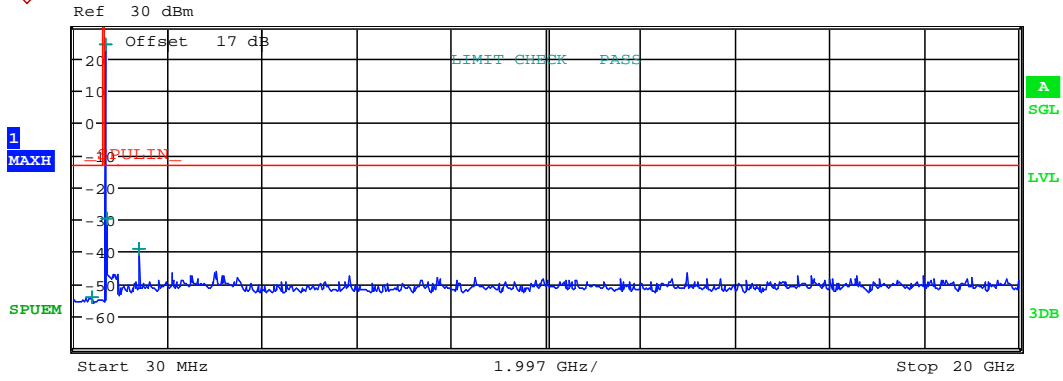


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

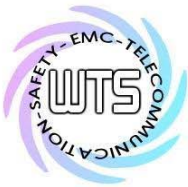
5MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 688.000 M | 100.00 k | 411.724359 M | -54.41       | -41.41      |
| 688.000 M  | 726.000 M | 100.00 k | 701.657200 M | 23.90        | -9.10       |
| 726.000 M  | 1.000 G   | 100.00 k | 730.466200 M | -29.72       | -16.72      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.402800 G   | -39.06       | -26.06      |

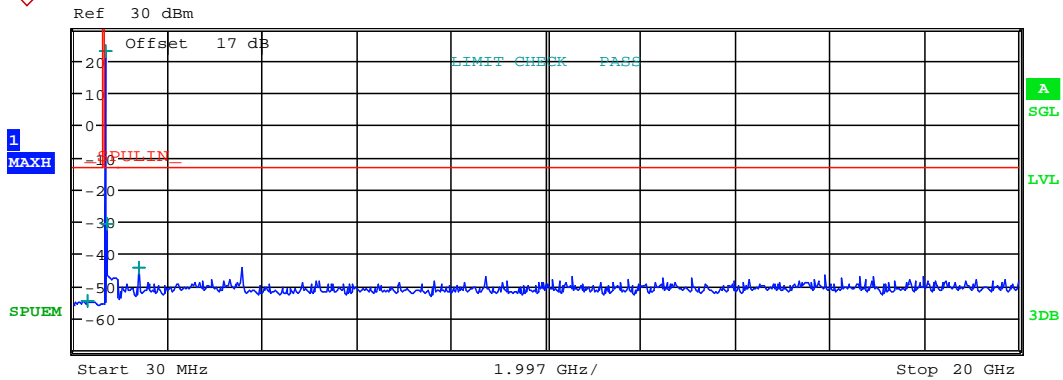
CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:26:14



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Start 30 MHz 1.997 GHz/ Stop 20 GHz

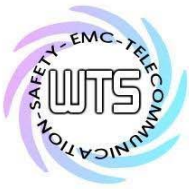
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 688.000 M | 100.00 k | 323.147436 M | -54.60       | -41.60      |
| 688.000 M  | 726.000 M | 100.00 k | 707.661200 M | 22.51        | -10.49      |
| 726.000 M  | 1.000 G   | 100.00 k | 736.868667 M | -30.69       | -17.69      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.414833 G   | -44.22       | -31.22      |

CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:26:33





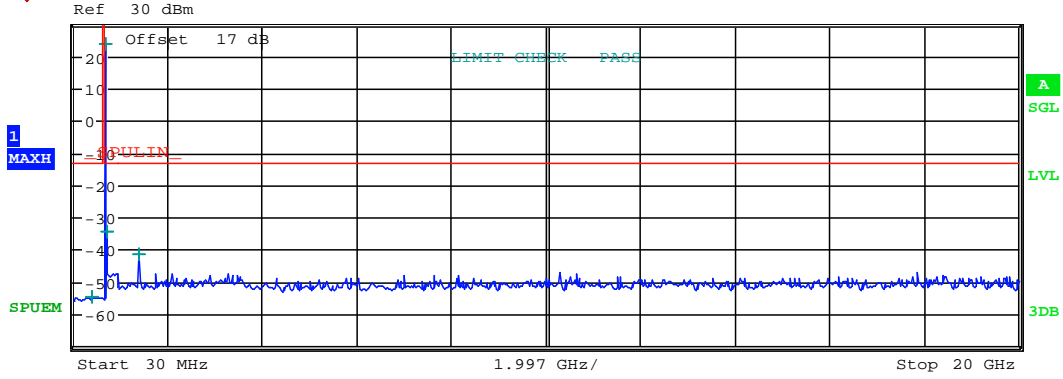


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

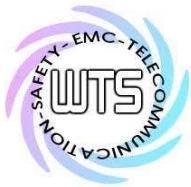
10MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 688.000 M | 100.00 k | 406.451923 M | -54.91       | -41.91      |
| 688.000 M  | 726.000 M | 100.00 k | 704.115800 M | 23.69        | -9.31       |
| 726.000 M  | 1.000 G   | 100.00 k | 735.736133 M | -34.60       | -21.60      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.407233 G   | -41.74       | -28.74      |

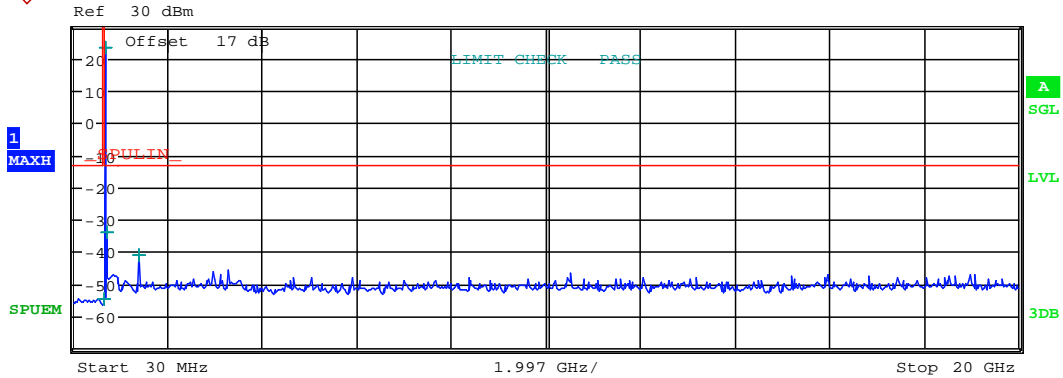
CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:29:32



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

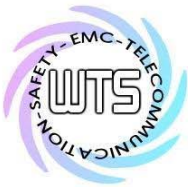


Start 30 MHz      1.997 GHz/      Stop 20 GHz

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 688.000 M | 100.00 k | 657.419872 M | -54.76       | -41.76       |
| 688.000 M  | 726.000 M | 100.00 k | 707.653600 M | 23.34        | -9.66        |
| 726.000 M  | 1.000 G   | 100.00 k | 738.878000 M | -34.25       | -21.25       |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.414833 G   | -41.16       | -28.16       |

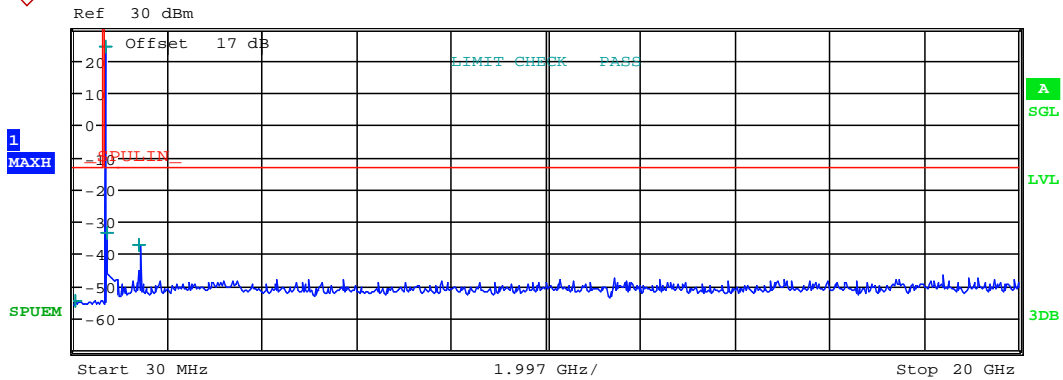
CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:29:50



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 688.000 M | 100.00 k | 48.980769 M  | -54.67       | -41.67      |
| 688.000 M  | 726.000 M | 100.00 k | 711.119200 M | 23.99        | -9.01       |
| 726.000 M  | 1.000 G   | 100.00 k | 736.859533 M | -33.62       | -20.62      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.421800 G   | -37.40       | -24.40      |

CONDUCTED SPURIOUS EMISSION

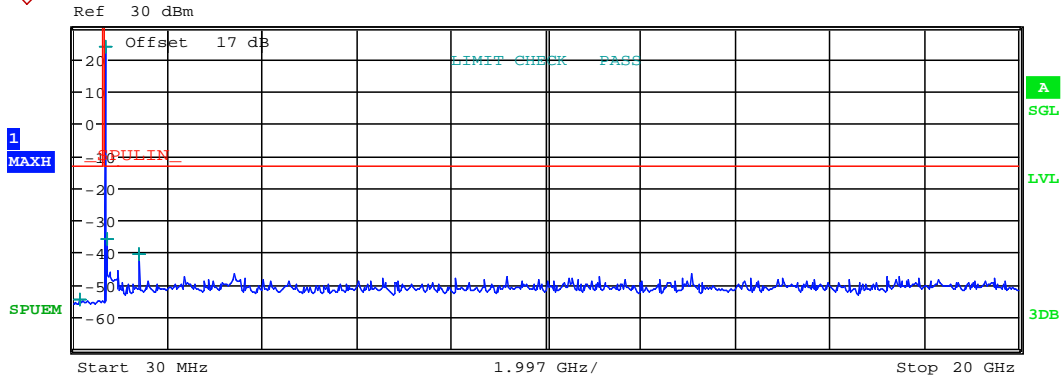
Date: 12.AUG.2020 21:30:55



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

QPSK  
 1.4MHz



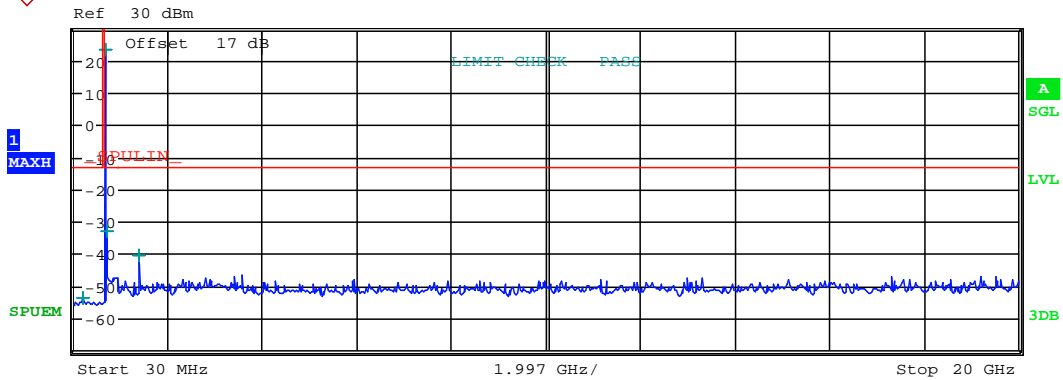
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 688.000 M | 100.00 k | 168.137821 M | -54.71       | -41.71      |
| 688.000 M  | 726.000 M | 100.00 k | 699.761000 M | 23.75        | -9.25       |
| 726.000 M  | 1.000 G   | 100.00 k | 729.370200 M | -35.97       | -22.97      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.399000 G   | -40.52       | -27.52      |

CONDUCTED SPURIOUS EMISSION  
 Date: 12.AUG.2020 21:19:35



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Start 30 MHz 1.997 GHz/ Stop 20 GHz

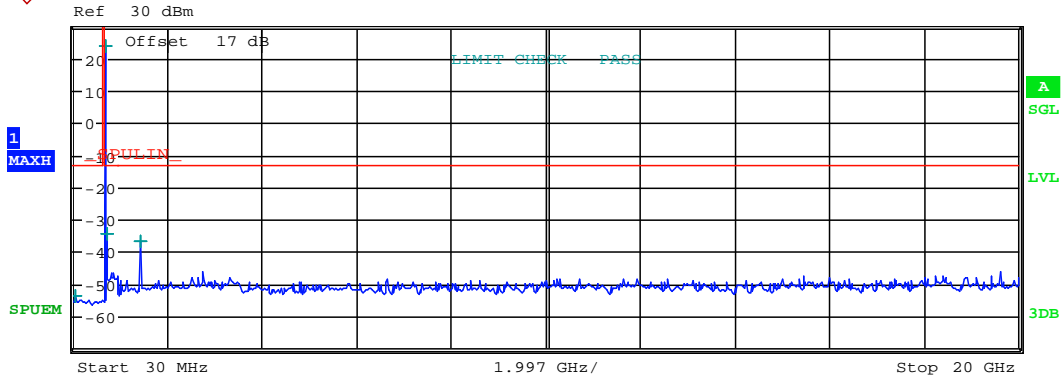
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 688.000 M | 100.00 k | 212.426282 M | -53.94       | -40.94       |
| 688.000 M  | 726.000 M | 100.00 k | 707.543400 M | 23.11        | -9.89        |
| 726.000 M  | 1.000 G   | 100.00 k | 737.389267 M | -33.16       | -20.16       |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.414833 G   | -40.49       | -27.49       |

CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:19:54



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 688.000 M | 100.00 k | 76.397436 M  | -53.70       | -40.70      |
| 688.000 M  | 726.000 M | 100.00 k | 715.424600 M | 23.51        | -9.49       |
| 726.000 M  | 1.000 G   | 100.00 k | 745.070400 M | -34.37       | -21.37      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.430667 G   | -36.97       | -23.97      |

CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:20:17

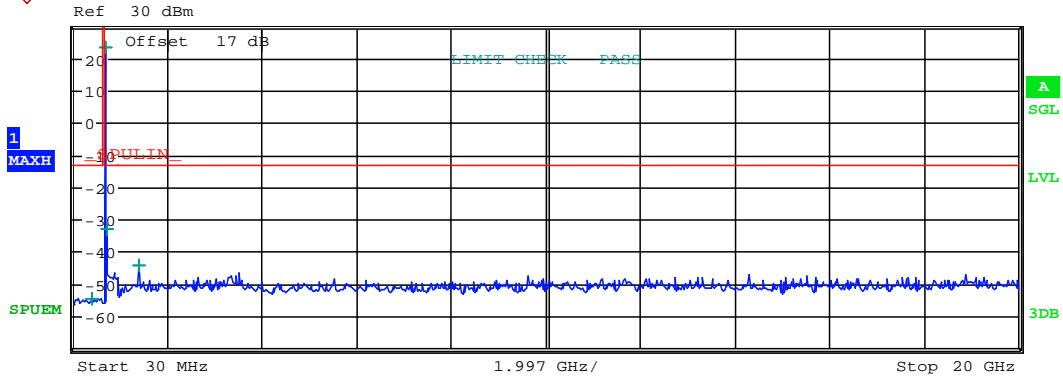


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz



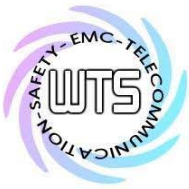
Start 30 MHz 1.997 GHz/ Stop 20 GHz

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 688.000 M | 100.00 k | 428.596154 M | -54.84       | -41.84      |
| 688.000 M  | 726.000 M | 100.00 k | 700.657800 M | 23.29        | -9.71       |
| 726.000 M  | 1.000 G   | 100.00 k | 730.630600 M | -33.13       | -20.13      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.401533 G   | -44.41       | -31.41      |

CONDUCTED SPURIOUS EMISSION

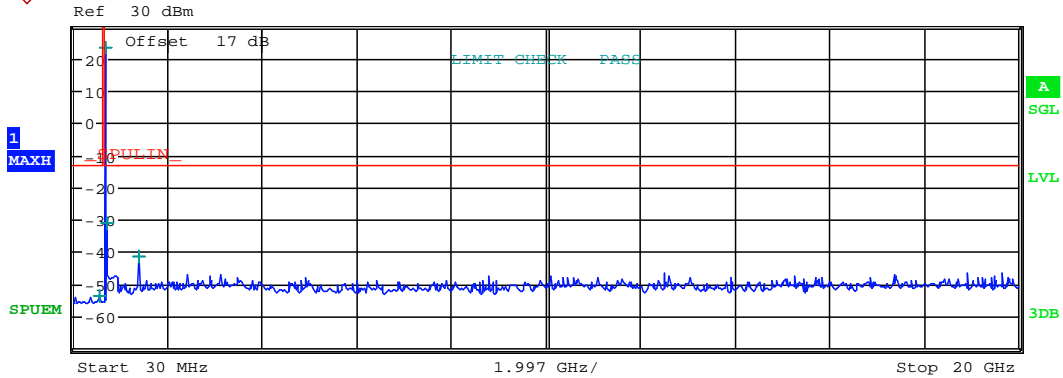
Date: 12.AUG.2020 21:22:51





# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Start 30 MHz 1.997 GHz/ Stop 20 GHz

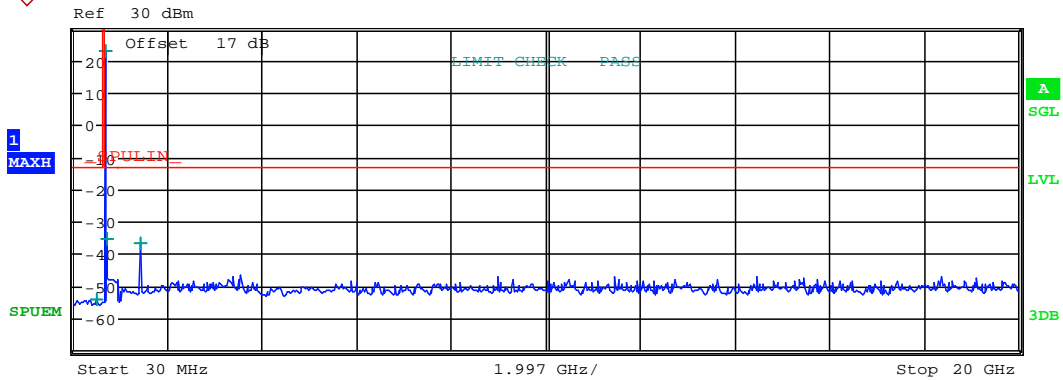
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 688.000 M | 100.00 k | 566.733974 M | -53.87       | -40.87      |
| 688.000 M  | 726.000 M | 100.00 k | 707.638400 M | 23.36        | -9.64       |
| 726.000 M  | 1.000 G   | 100.00 k | 736.832133 M | -31.50       | -18.50      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.414833 G   | -41.59       | -28.59      |

CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:23:13



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Start 30 MHz 1.997 GHz/ Stop 20 GHz

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 688.000 M | 100.00 k | 511.900641 M | -54.22       | -41.22      |
| 688.000 M  | 726.000 M | 100.00 k | 714.619000 M | 22.68        | -10.32      |
| 726.000 M  | 1.000 G   | 100.00 k | 745.554467 M | -35.30       | -22.30      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.428767 G   | -36.78       | -23.78      |

CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:24:28

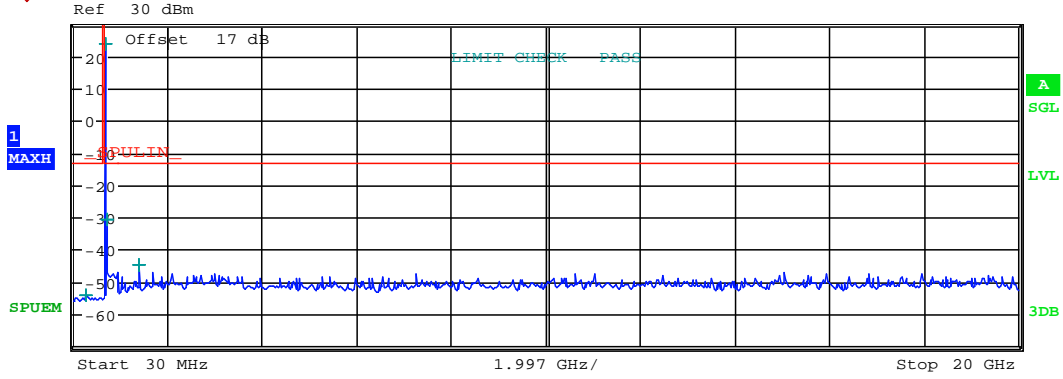


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

5MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 688.000 M | 100.00 k | 286.240385 M | -54.43       | -41.43       |
| 688.000 M  | 726.000 M | 100.00 k | 701.695200 M | 23.60        | -9.40        |
| 726.000 M  | 1.000 G   | 100.00 k | 732.767800 M | -30.98       | -17.98       |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.402800 G   | -45.01       | -32.01       |

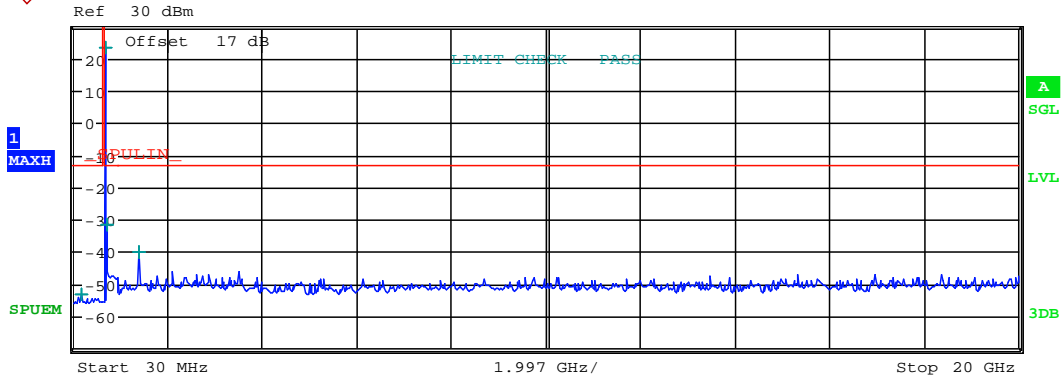
CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:27:34



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Start 30 MHz 1.997 GHz/ Stop 20 GHz

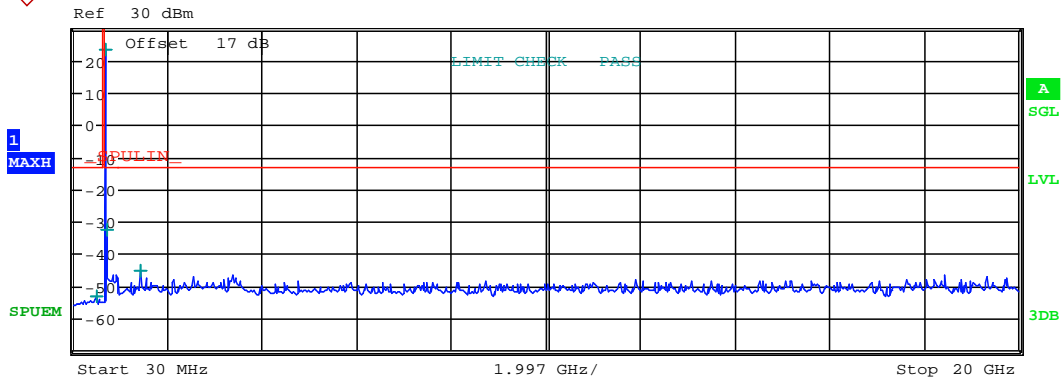
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 688.000 M | 100.00 k | 192.391026 M | -53.46       | -40.46       |
| 688.000 M  | 726.000 M | 100.00 k | 707.623200 M | 23.05        | -9.95        |
| 726.000 M  | 1.000 G   | 100.00 k | 739.544733 M | -31.89       | -18.89       |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.414833 G   | -40.21       | -27.21       |

CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:27:52



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Start 30 MHz 1.997 GHz/ Stop 20 GHz

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 688.000 M | 100.00 k | 524.554487 M | -53.51       | -40.51      |
| 688.000 M  | 726.000 M | 100.00 k | 713.737400 M | 23.04        | -9.96       |
| 726.000 M  | 1.000 G   | 100.00 k | 743.892200 M | -32.79       | -19.79      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.427500 G   | -45.35       | -32.35      |

CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:28:11

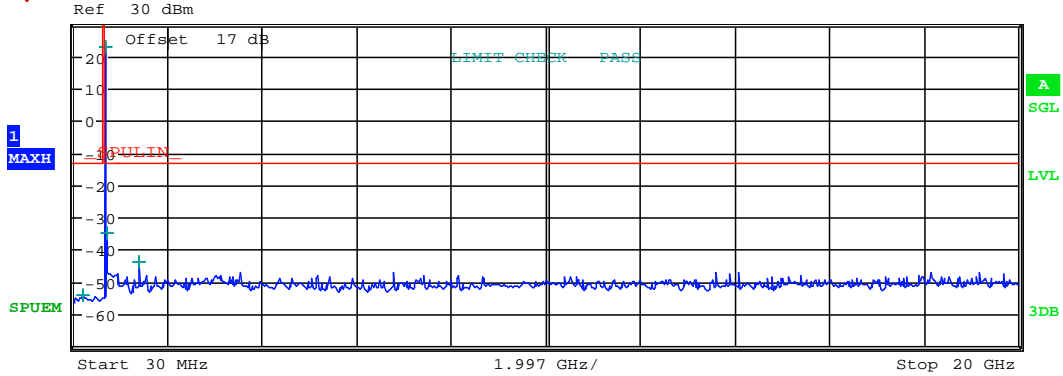


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

10MHz



Start 30 MHz 1.997 GHz/ Stop 20 GHz

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 688.000 M | 100.00 k | 218.753205 M | -54.35       | -41.35      |
| 688.000 M  | 726.000 M | 100.00 k | 704.036000 M | 22.60        | -10.40      |
| 726.000 M  | 1.000 G   | 100.00 k | 731.543933 M | -35.09       | -22.09      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.407867 G   | -43.72       | -30.72      |

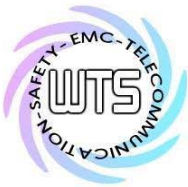
CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:31:29









# Worldwide Testing Services(Taiwan) Co., Ltd.

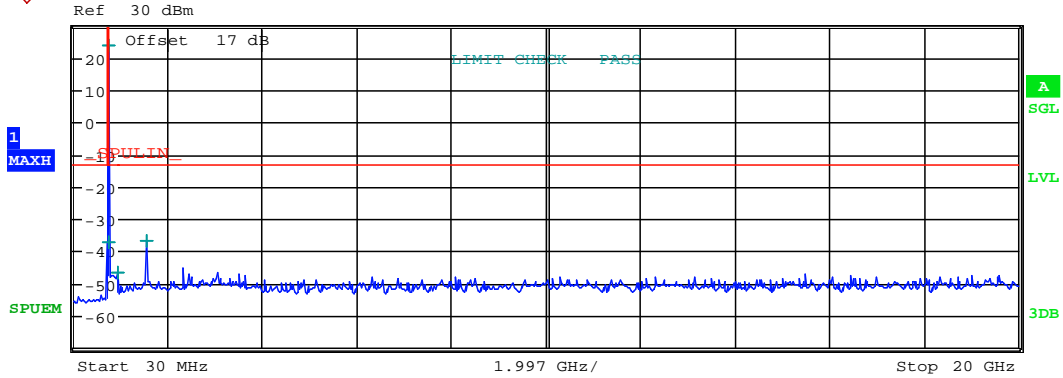
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

Band XIII

16QAM

5MHz



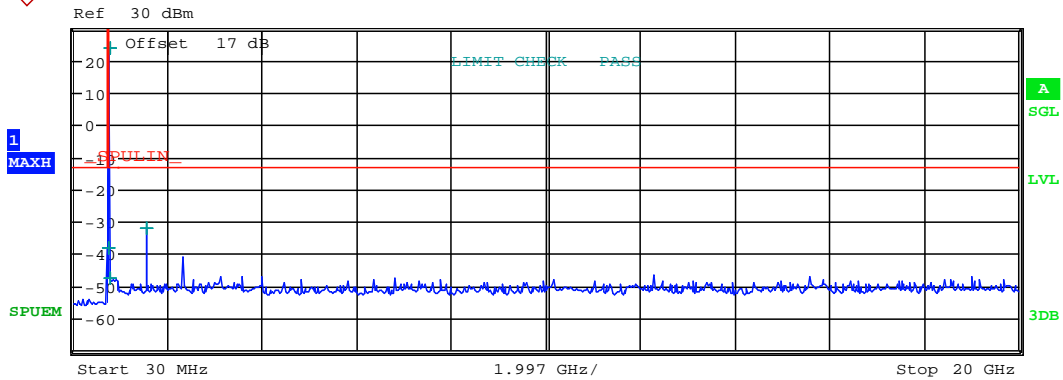
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 767.000 M | 100.00 k | 750.464744 M | -37.16       | -24.16      |
| 767.000 M  | 797.000 M | 100.00 k | 779.711000 M | 23.50        | -9.50       |
| 797.000 M  | 1.000 G   | 100.00 k | 973.028067 M | -46.99       | -33.99      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.558600 G   | -37.01       | -24.01      |

CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:36:44



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Start 30 MHz 1.997 GHz/ Stop 20 GHz

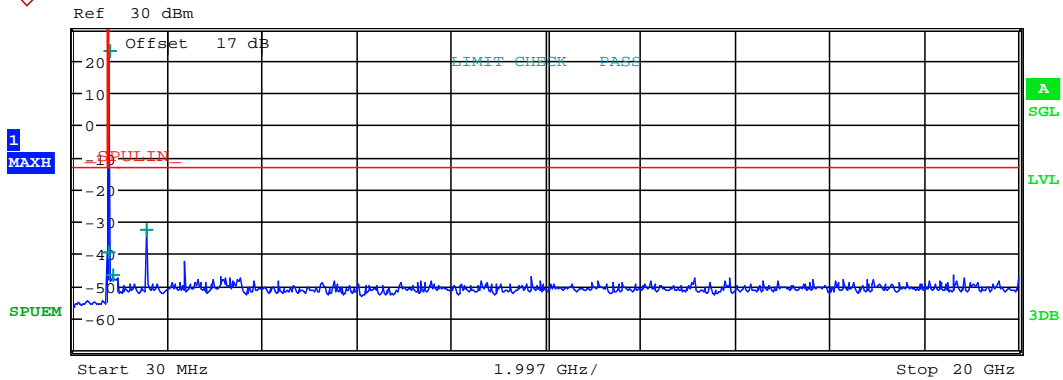
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 767.000 M | 100.00 k | 751.645833 M | -38.48       | -25.48      |
| 767.000 M  | 797.000 M | 100.00 k | 782.225000 M | 23.57        | -9.43       |
| 797.000 M  | 1.000 G   | 100.00 k | 806.365067 M | -47.74       | -34.74      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.563667 G   | -32.27       | -19.27      |

CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:37:03



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 767.000 M | 100.00 k | 752.826923 M | -39.91       | -26.91       |
| 767.000 M  | 797.000 M | 100.00 k | 784.706000 M | 22.53        | -10.47       |
| 797.000 M  | 1.000 G   | 100.00 k | 869.816100 M | -46.71       | -33.71       |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.569367 G   | -32.70       | -19.70       |

CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:37:20

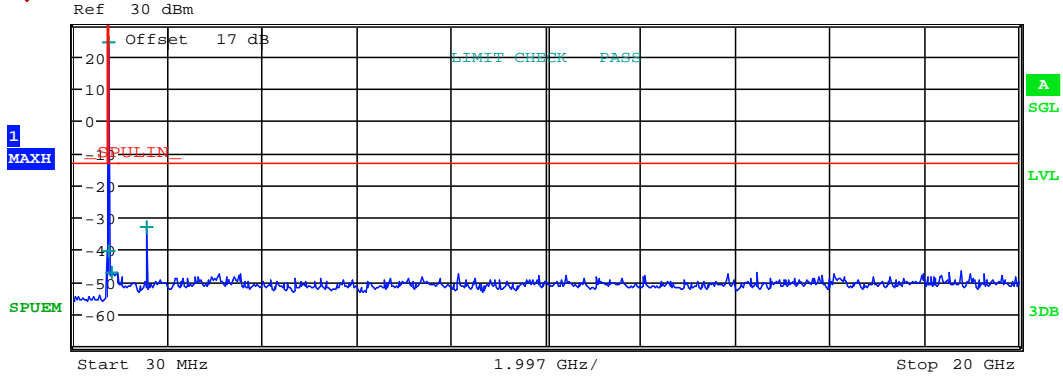


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

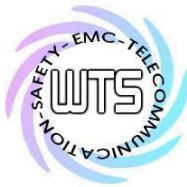
10MHz



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 767.000 M | 100.00 k | 751.645833 M | -40.72       | -27.72      |
| 767.000 M  | 797.000 M | 100.00 k | 782.060000 M | 24.35        | -8.65       |
| 797.000 M  | 1.000 G   | 100.00 k | 834.974533 M | -47.24       | -34.24      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.564300 G   | -33.02       | -20.02      |

CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:39:01



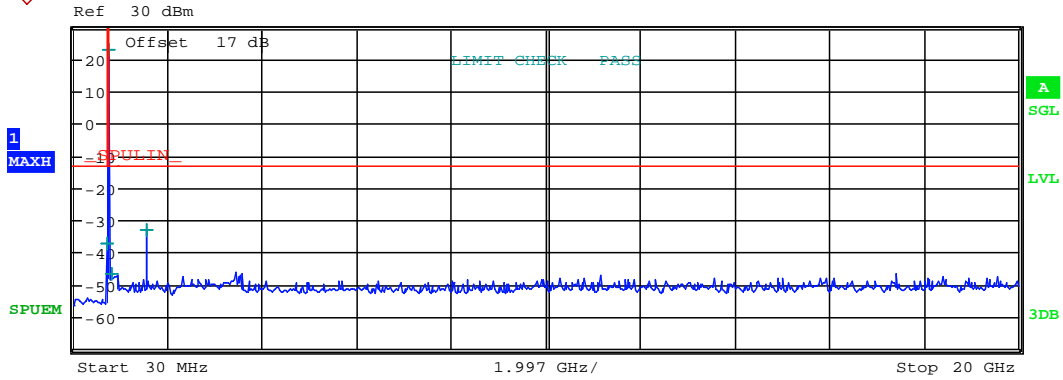
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

QPSK

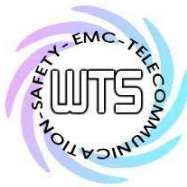
5MHz



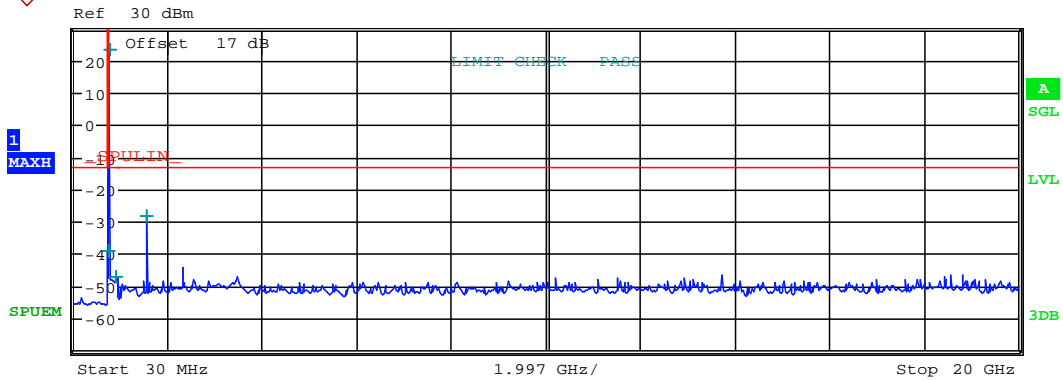
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | ΔLimit [dB] |
|------------|-----------|----------|--------------|--------------|-------------|
| 30.000 M   | 767.000 M | 100.00 k | 748.102564 M | -37.56       | -24.56      |
| 767.000 M  | 797.000 M | 100.00 k | 779.696000 M | 22.61        | -10.39      |
| 797.000 M  | 1.000 G   | 100.00 k | 827.206400 M | -46.85       | -33.85      |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.559233 G   | -33.06       | -20.06      |

CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:37:48



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Start 30 MHz 1.997 GHz/ Stop 20 GHz

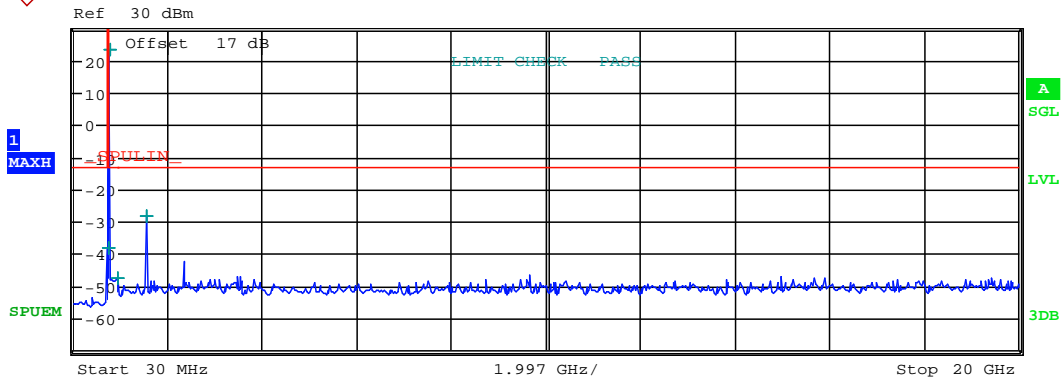
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 767.000 M | 100.00 k | 752.826923 M | -39.22       | -26.22       |
| 767.000 M  | 797.000 M | 100.00 k | 782.108000 M | 23.16        | -9.84        |
| 797.000 M  | 1.000 G   | 100.00 k | 939.593967 M | -47.11       | -34.11       |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.564300 G   | -28.48       | -15.48       |

CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:38:04



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



Start 30 MHz 1.997 GHz/ Stop 20 GHz

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm] | Δ Limit [dB] |
|------------|-----------|----------|--------------|--------------|--------------|
| 30.000 M   | 767.000 M | 100.00 k | 752.826923 M | -38.31       | -25.31       |
| 767.000 M  | 797.000 M | 100.00 k | 784.640000 M | 23.33        | -9.67        |
| 797.000 M  | 1.000 G   | 100.00 k | 960.990167 M | -47.67       | -34.67       |
| 1.000 G    | 20.000 G  | 1.00 M   | 1.568733 G   | -28.50       | -15.50       |

CONDUCTED SPURIOUS EMISSION

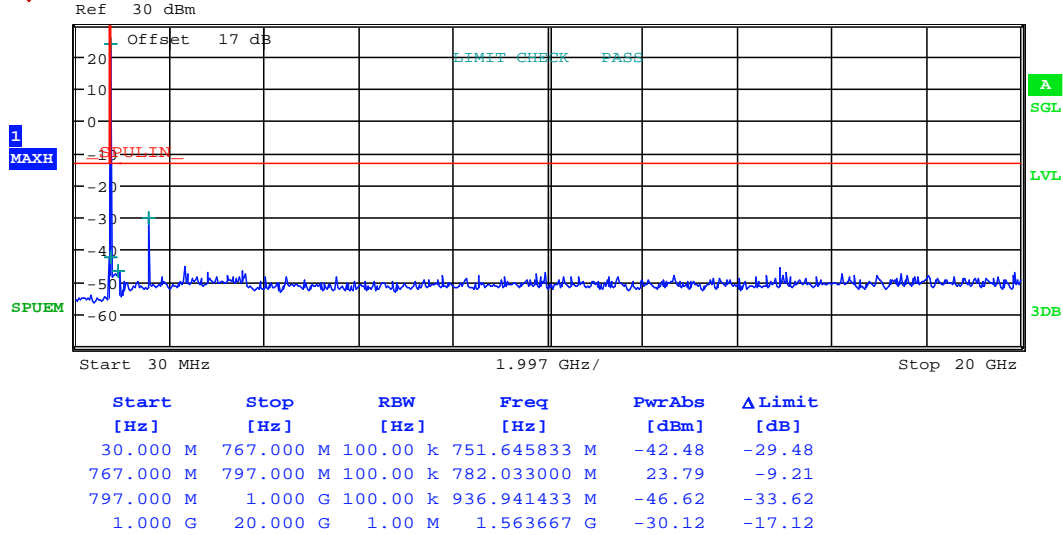
Date: 12.AUG.2020 21:38:21



Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

10MHz



CONDUCTED SPURIOUS EMISSION

Date: 12.AUG.2020 21:39:28

Test equipment: ETSTW-RE 055, ETSTW-GSM 002, ETSTW-GSM 023, ETSTW-GSM 004

### 7.3 Explanation of test result

All factors like cable loss and external attenuation etc. are already included in the provided measurement results. This is done by using validated test software and calibrated test system according to the accreditation requirements.

### 7.4 Calculation of Limit for Spurious at Antenna Terminals

Compliance with § 22.917, §24.238, §27.53 requires that any emission be attenuated below the transmitter power at least  $43 + 10 \log P$  ( $P$  = transmitter power in Watts).

Limit for Spurious Emissions at Antenna Terminals:  $L=P-A=-13\text{dBm}$





Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

**8. Field Strength of Spurious Radiation**

**8.1 Test procedure**

The test procedure for filed strength measurement is same as radiated power except for a notch filter or band pass filter is used to avoid the influence of fundamental to the pre-amplifier. The measurements below 1GHz were performed with a measurement bandwidth of 100kHz, above 1GHz with a bandwidth of 1 MHz.

**8.2 Test Results**

The measurements of the spurious emission are at the upper, center and lower channel.

Model: CTC-1052xxx-xxxxx Series Date: (x=0~9, A~Z or blank)  
 Mode: -- Temperature: -- °C Engineer: --  
 Polarization: Horizontal Humidity: -- %

| Frequency (MHz) | Reading (dBm) Peak | Factor (dB) Corr. | Result (dBm) | Limit (dBm) | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|-----------------|--------------------|-------------------|--------------|-------------|-------------|---------------------|----------------|
| --              | --                 | --                | --           | --          | --          | --                  | --             |
| --              | --                 | --                | --           | --          | --          | --                  | --             |

Polarization: Vertical

| Frequency (MHz) | Reading (dBm) Peak | Factor (dB) Corr. | Result (dBm) | Limit (dBm) | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|-----------------|--------------------|-------------------|--------------|-------------|-------------|---------------------|----------------|
| --              | --                 | --                | --           | --          | --          | --                  | --             |
| --              | --                 | --                | --           | --          | --          | --                  | --             |

- Note**
1. Correction Factor = Antenna factor + Cable loss - Preamplifier
  2. The formula of measured value as: Test Result = Reading + Correction Factor
  3. Detector function in the form: PK = Peak, QP = Quasi Peak, AV = Average
  4. All not in the table noted test results are more than 20 dB below the relevant limits.
  5. See attached diagrams in appendix.

**8.3 Explanation of test result**

Result Level = Reading Level + Corrected Factor  
 Corrected Factor = SG level – Received level-Cable loss + substitution antenna gain

**8.4 Calculation of Limit for Field Strength of Spurious**

Compliance with § 22.917, § 24.238, § 27.53 requires that any emission be attenuated below the transmitter power at least 43 + 10 log P (P = transmitter power in Watts).  
 Limit for Spurious Emissions at Antenna Terminals: L=P-A=-13dBm

Test equipment: ETSTW-RE 004, ETSTW-RE 018, ETSTW-RE 030, ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147, ETSTW-GSM 004



Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

## 8.5 Test result of band edge emissions

Test date: August 05, 2020- August 06, 2020

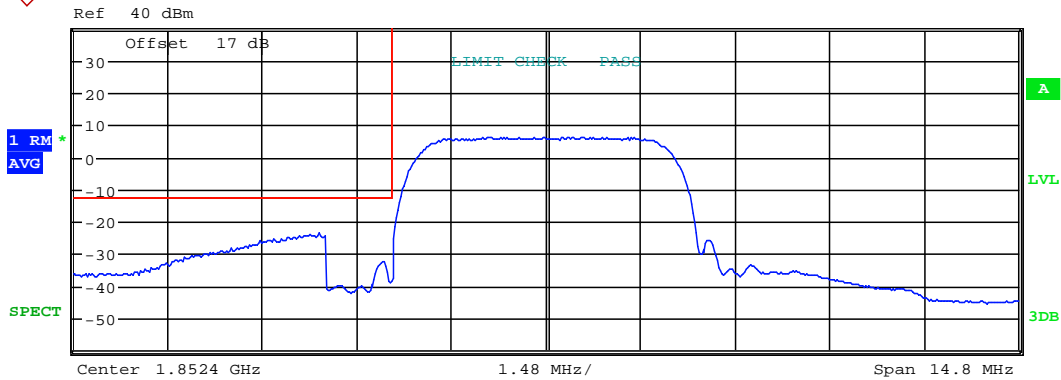
Temperature: 24.9 °C

Humidity: 48.2 %

Tester: Kent

WCDMA

Band II



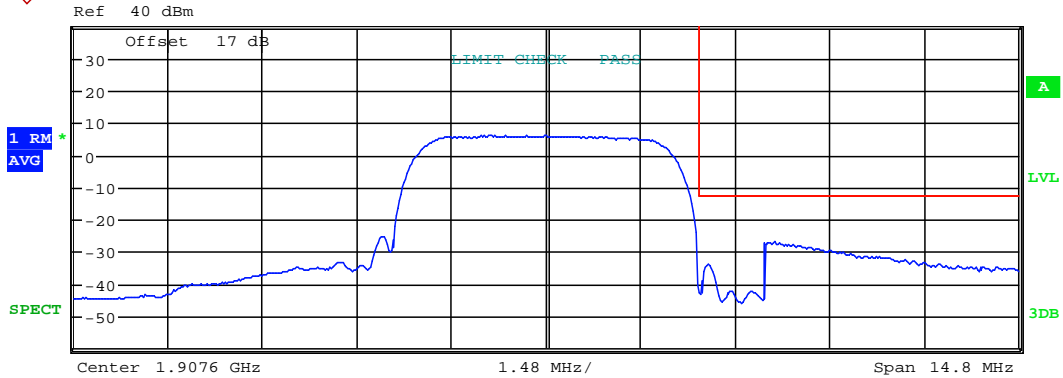
| Tx Channel |           |          |            | -BW_4_8_MHz_lower UL |              |             |  |
|------------|-----------|----------|------------|----------------------|--------------|-------------|--|
| Bandwidth  |           | 4.8 MHz  |            | Power                |              | 21.06 dBm   |  |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]         | PwrRel [dBc] | ΔLimit [dB] |  |
| -7.400 M   | -3.400 M  | 1.00 M   | 1.848842 G | -23.84               | -44.90       | -10.84      |  |
| -3.400 M   | -2.400 M  | 20.00 k  | 1.849862 G | -32.47               | -53.53       | -19.47      |  |
| 2.400 M    | 7.400 M   | 100.00 k | 1.854938 G | -25.80               | -46.86       | -325.80     |  |

Date: 5.AUG.2020 20:03:27



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | -BW_4_8_MHz_higher UL |              |              |
|------------|-----------|----------|------------|-----------------------|--------------|--------------|
| Bandwidth  |           | 4.8 MHz  | Power      |                       | 20.86 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]          | PwrRel [dBc] | Δ Limit [dB] |
| -7.400 M   | -2.400 M  | 100.00 k | 1.905062 G | -25.38                | -46.25       | -325.38      |
| 2.400 M    | 3.400 M   | 20.00 k  | 1.910138 G | -34.15                | -55.01       | -21.15       |
| 3.400 M    | 7.400 M   | 1.00 M   | 1.911181 G | -27.03                | -47.89       | -14.03       |

Date: 5.AUG.2020 20:04:41

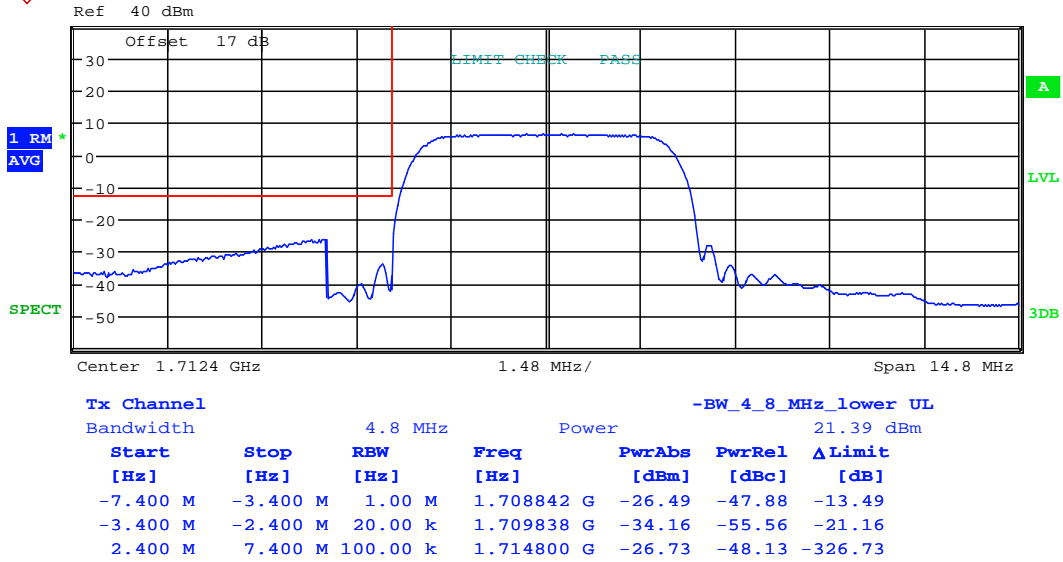


# Worldwide Testing Services(Taiwan) Co., Ltd.

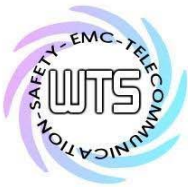
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

Band IV

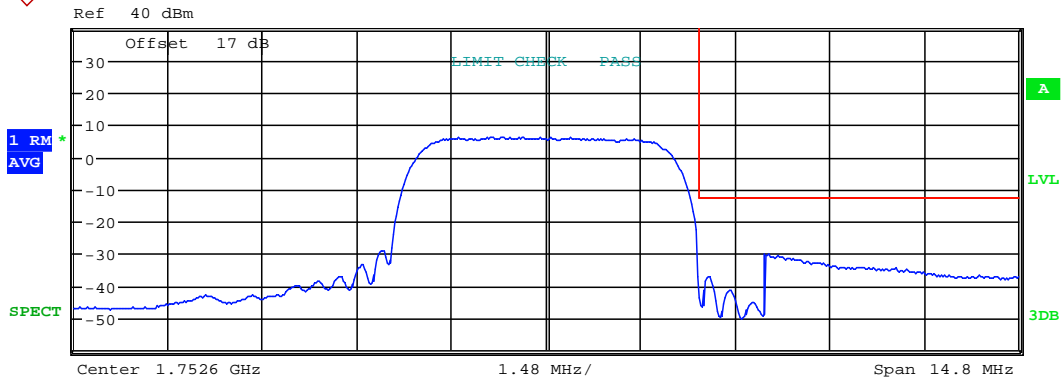


Date: 5.AUG.2020 20:09:47



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | -BW_4_8_MHz_higher UL |              |              |
|------------|-----------|----------|------------|-----------------------|--------------|--------------|
| Bandwidth  |           | 4.8 MHz  | Power      |                       | 20.89 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]          | PwrRel [dBc] | Δ Limit [dB] |
| -7.400 M   | -2.400 M  | 100.00 k | 1.750181 G | -28.23                | -49.12       | -328.23      |
| 2.400 M    | 3.400 M   | 20.00 k  | 1.755138 G | -37.09                | -57.98       | -24.09       |
| 3.400 M    | 7.400 M   | 1.00 M   | 1.756015 G | -29.97                | -50.86       | -16.97       |

Date: 5.AUG.2020 20:05:38

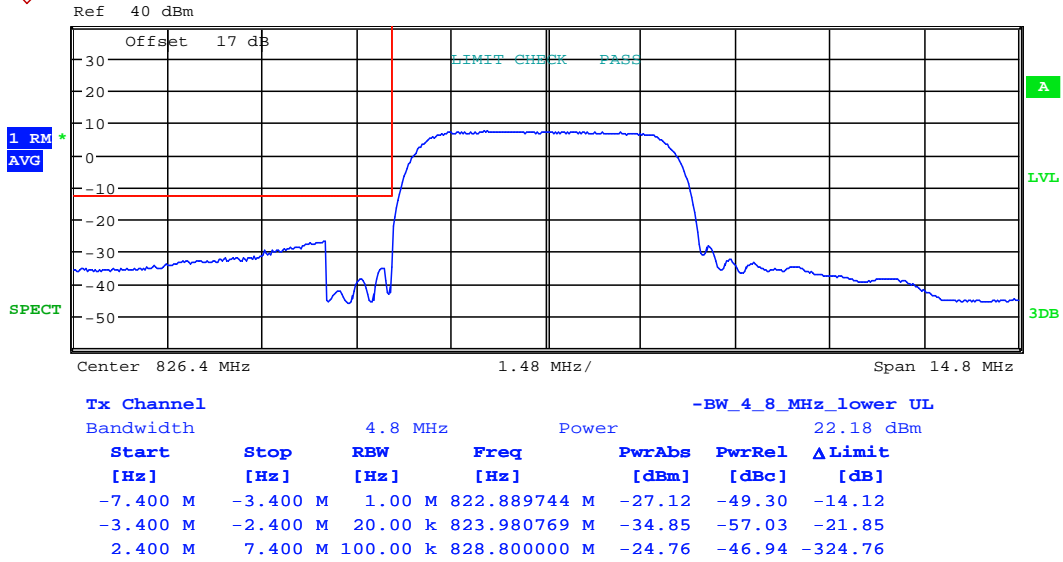


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

Band V

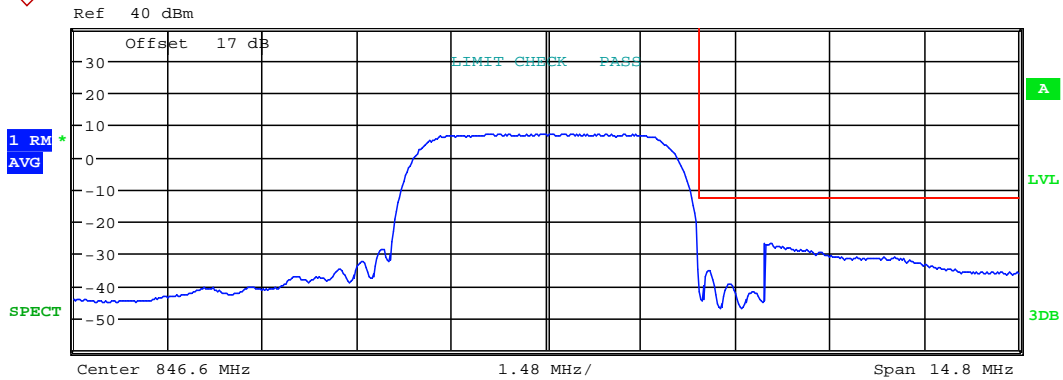


Date: 5.AUG.2020 20:08:58



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |          |          |              | -BW_4_8_MHz_higher UL |           |         |
|------------|----------|----------|--------------|-----------------------|-----------|---------|
| Bandwidth  |          | 4.8 MHz  | Power        |                       | 22.09 dBm |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs                | PwrRel    | Δ Limit |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]                 | [dBc]     | [dB]    |
| -7.400 M   | -2.400 M | 100.00 k | 844.180769 M | -26.29                | -48.38    | -326.29 |
| 2.400 M    | 3.400 M  | 20.00 k  | 849.161538 M | -35.35                | -57.44    | -22.35  |
| 3.400 M    | 7.400 M  | 1.00 M   | 850.015385 M | -26.83                | -48.92    | -13.83  |

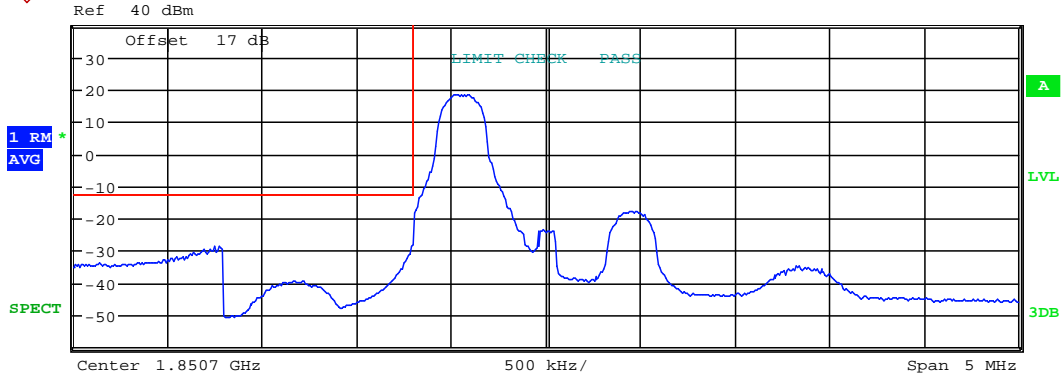
Date: 5.AUG.2020 20:08:06



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

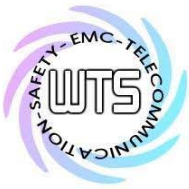
LTE  
 Band II  
 16QAM  
 1RB  
 1.4MHz



| Tx Channel |            |          |            | BW_1_4_MHz_lower UL |        |         |
|------------|------------|----------|------------|---------------------|--------|---------|
| Bandwidth  |            |          | 1.4 MHz    | Power               |        |         |
| Start      | Stop       | RBW      | Freq       | PwrAbs              | PwrRel | Δ Limit |
| [Hz]       | [Hz]       | [Hz]     | [Hz]       | [dBm]               | [dBc]  | [dB]    |
| -2.500 M   | -1.700 M   | 1.00 M   | 1.848969 G | -28.71              | -49.14 | -15.71  |
| -1.700 M   | -700.000 k | 20.00 k  | 1.849995 G | -28.36              | -48.79 | -15.36  |
| 700.000 k  | 2.500 M    | 100.00 k | 1.852038 G | -34.88              | -55.31 | -334.88 |

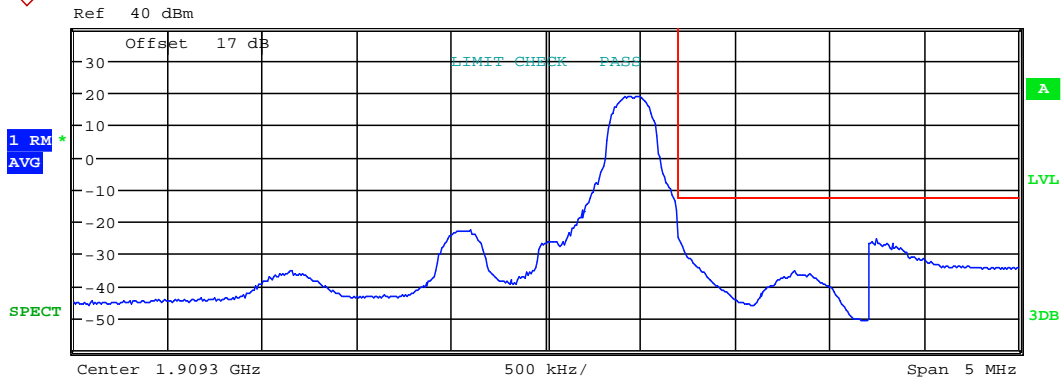
Date: 5.AUG.2020 20:16:53





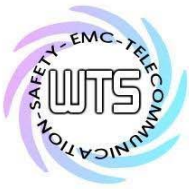
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |            |          |            | BW_1_4_MHz_higher UL |           |         |
|------------|------------|----------|------------|----------------------|-----------|---------|
| Bandwidth  |            | 1.4 MHz  | Power      |                      | 20.71 dBm |         |
| Start      | Stop       | RBW      | Freq       | PwrAbs               | PwrRel    | ΔLimit  |
| [Hz]       | [Hz]       | [Hz]     | [Hz]       | [dBm]                | [dBc]     | [dB]    |
| -2.500 M   | -700.000 k | 100.00 k | 1.907946 G | -35.58               | -56.29    | -335.58 |
| 700.000 k  | 1.700 M    | 20.00 k  | 1.910000 G | -16.86               | -37.57    | -3.86   |
| 1.700 M    | 2.500 M    | 1.00 M   | 1.911047 G | -25.42               | -46.13    | -12.42  |

Date: 5.AUG.2020 20:18:49

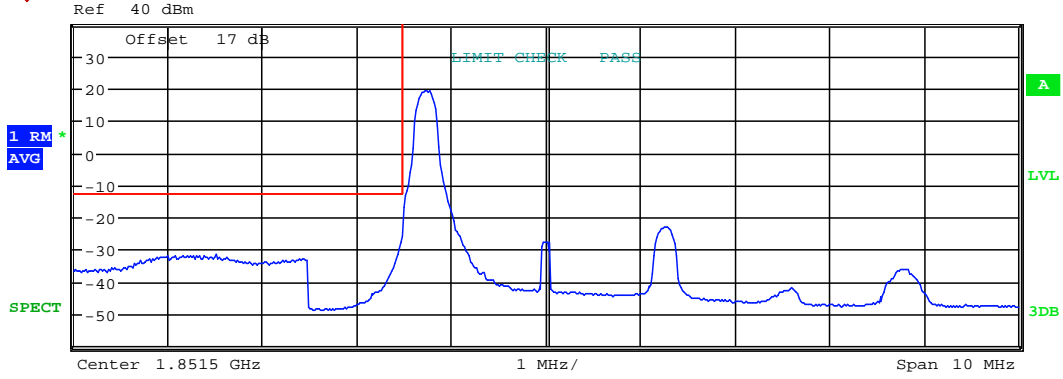


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

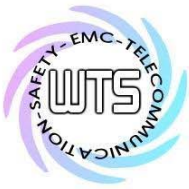
FCC ID: GX9CTC1052QT

3MHz

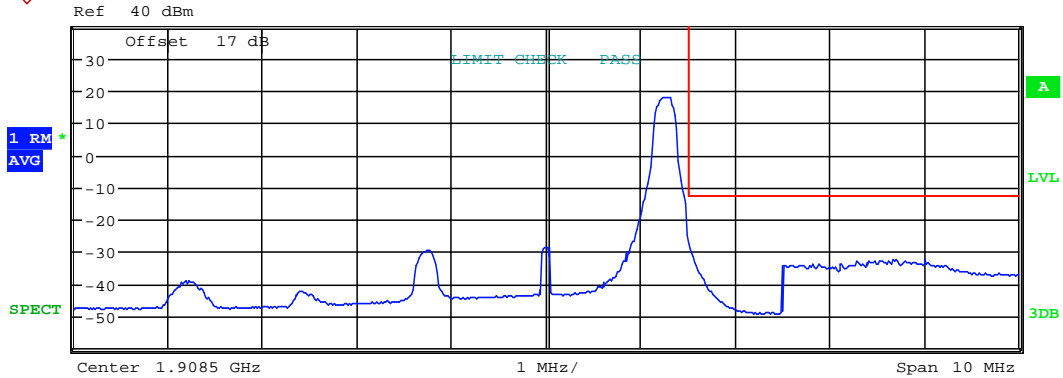


| Tx Channel |           |          |            | BW_3_MHz_lower UL |              |             |
|------------|-----------|----------|------------|-------------------|--------------|-------------|
| Bandwidth  |           | 3 MHz    | Power      |                   | 21.10 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]      | PwrRel [dBc] | ΔLimit [dB] |
| -5.000 M   | -2.500 M  | 1.00 M   | 1.847878 G | -31.86            | -52.96       | -18.86      |
| -2.500 M   | -1.500 M  | 30.00 k  | 1.849978 G | -25.99            | -47.09       | -12.99      |
| 1.500 M    | 5.000 M   | 100.00 k | 1.855282 G | -36.06            | -57.16       | -336.06     |

Date: 5.AUG.2020 20:20:53



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_3_MHz_higher UL |              |              |
|------------|-----------|----------|------------|--------------------|--------------|--------------|
| Bandwidth  |           | 3 MHz    | Power      |                    | 19.99 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -5.000 M   | -1.500 M  | 100.00 k | 1.904718 G | -38.97             | -58.96       | -338.97      |
| 1.500 M    | 2.500 M   | 30.00 k  | 1.910006 G | -25.57             | -45.56       | -12.57       |
| 2.500 M    | 5.000 M   | 1.00 M   | 1.912170 G | -32.51             | -52.50       | -19.51       |

Date: 5.AUG.2020 20:22:25

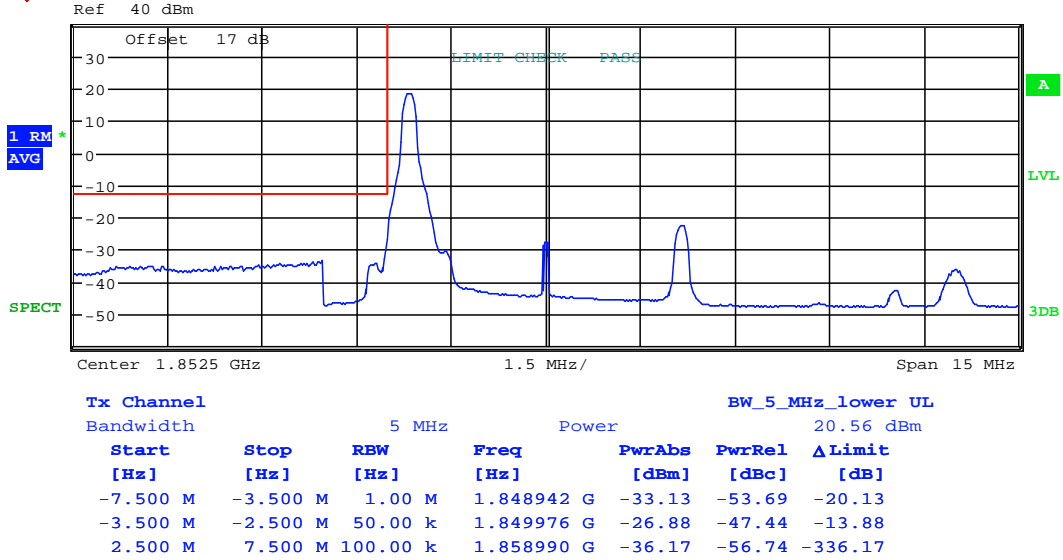


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

5MHz

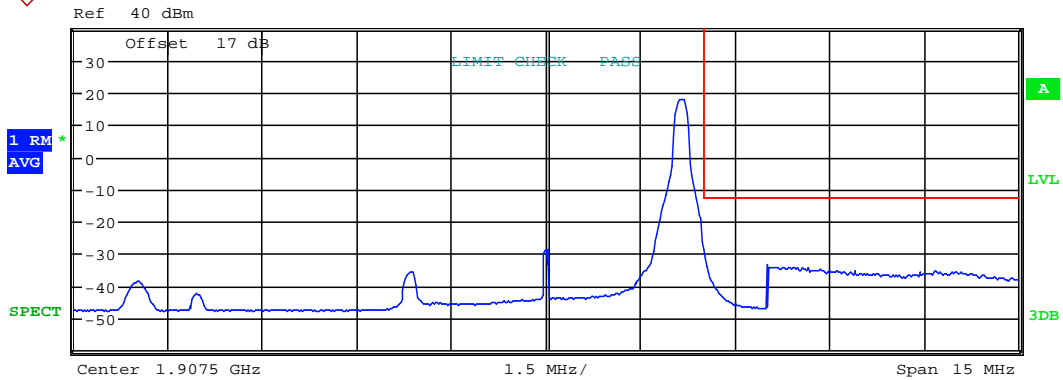


Date: 5.AUG.2020 20:24:01



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_5_MHz_higher UL |              |              |
|------------|-----------|----------|------------|--------------------|--------------|--------------|
| Bandwidth  |           | 5 MHz    | Power      |                    | 20.16 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -7.500 M   | -2.500 M  | 100.00 k | 1.901010 G | -38.66             | -58.82       | -338.66      |
| 2.500 M    | 3.500 M   | 50.00 k  | 1.910000 G | -26.74             | -46.90       | -13.74       |
| 3.500 M    | 7.500 M   | 1.00 M   | 1.911034 G | -34.18             | -54.34       | -21.18       |

Date: 5.AUG.2020 20:25:00

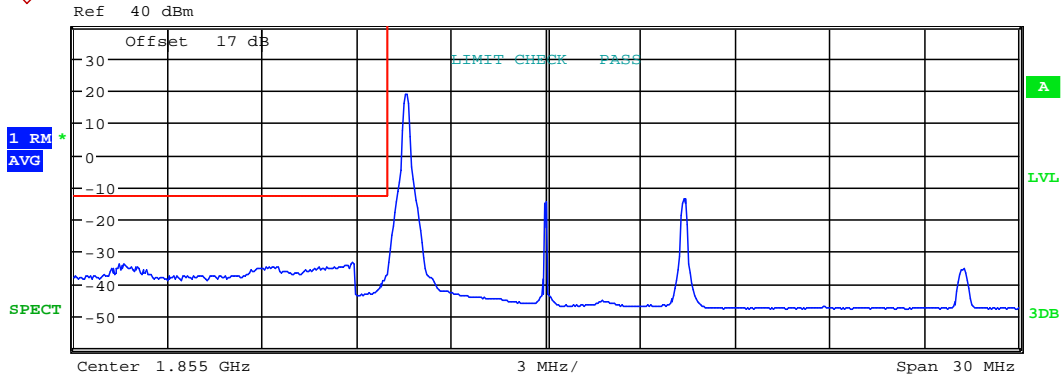


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

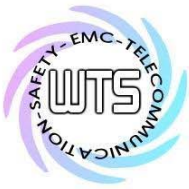
FCC ID: GX9CTC1052QT

10MHz

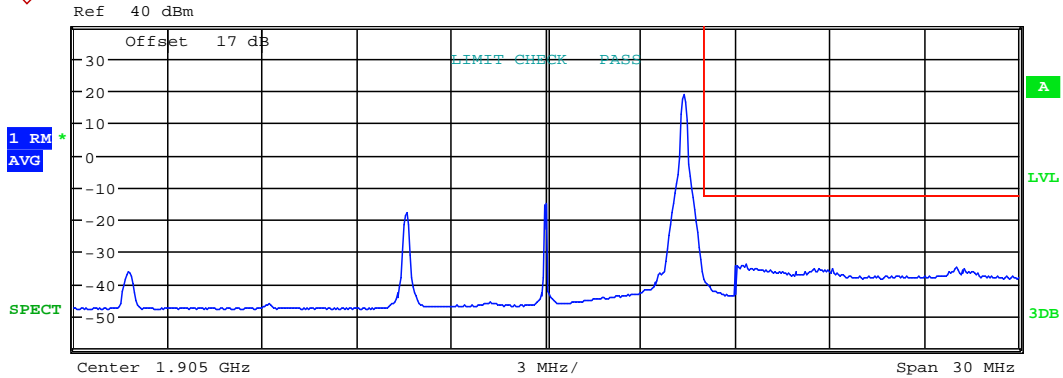


| Tx Channel |           |          |            | BW_10_MHz_lower UL |              |             |
|------------|-----------|----------|------------|--------------------|--------------|-------------|
| Bandwidth  |           | 10 MHz   | Power      |                    | 21.30 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | ΔLimit [dB] |
| -15.000 M  | -6.000 M  | 1.00 M   | 1.841442 G | -33.42             | -54.72       | -20.42      |
| -6.000 M   | -5.000 M  | 100.00 k | 1.849952 G | -37.12             | -58.42       | -24.12      |
| 5.000 M    | 15.000 M  | 100.00 k | 1.868269 G | -35.12             | -56.43       | -335.12     |

Date: 5.AUG.2020 20:26:25

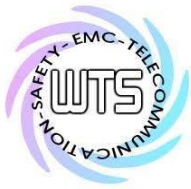


Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_10_MHz_higher UL |              |             |
|------------|-----------|----------|------------|---------------------|--------------|-------------|
| Bandwidth  |           | 10 MHz   | Power      |                     | 20.69 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]        | PwrRel [dBc] | ΔLimit [dB] |
| -15.000 M  | -5.000 M  | 100.00 k | 1.891731 G | -36.37              | -57.06       | -336.37     |
| 5.000 M    | 6.000 M   | 100.00 k | 1.910000 G | -36.90              | -57.60       | -23.90      |
| 6.000 M    | 15.000 M  | 1.00 M   | 1.911346 G | -34.05              | -54.74       | -21.05      |

Date: 5.AUG.2020 20:27:43

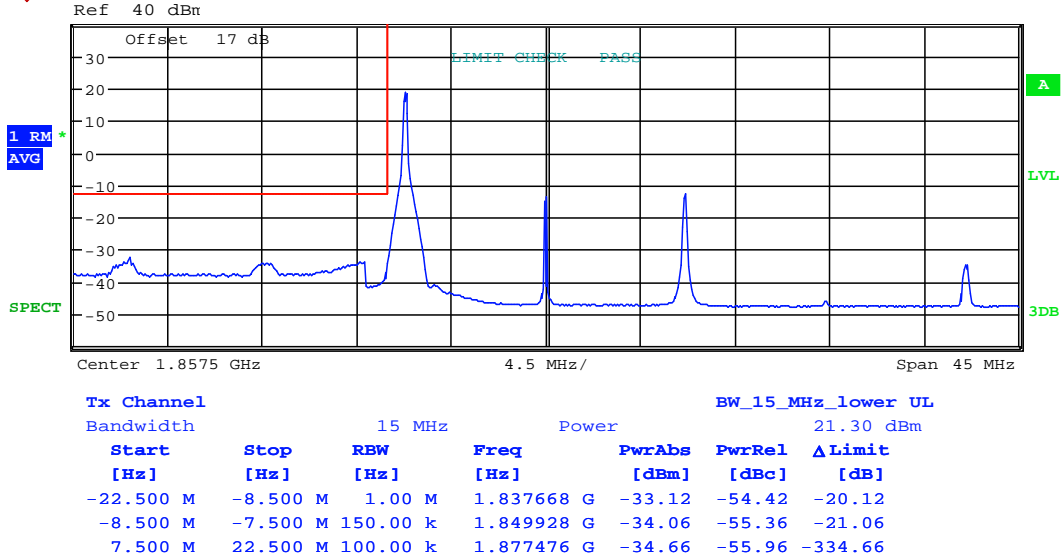


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

15MHz



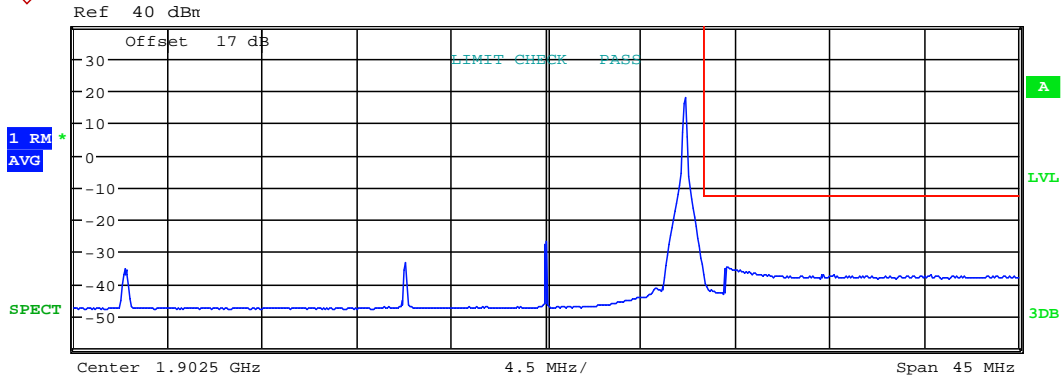
Date: 5.AUG.2020 20:29:02





# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |          |          |            | BW_15_MHz_higher UL |        |           |  |
|------------|----------|----------|------------|---------------------|--------|-----------|--|
| Bandwidth  |          | 15 MHz   |            | Power               |        | 19.94 dBm |  |
| Start      | Stop     | RBW      | Freq       | PwrAbs              | PwrRel | Δ Limit   |  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]       | [dBm]               | [dBc]  | [dB]      |  |
| -22.500 M  | -7.500 M | 100.00 k | 1.882452 G | -35.45              | -55.39 | -335.45   |  |
| 7.500 M    | 8.500 M  | 150.00 k | 1.910000 G | -34.60              | -54.54 | -21.60    |  |
| 8.500 M    | 22.500 M | 1.00 M   | 1.911082 G | -35.03              | -54.97 | -22.03    |  |

Date: 5.AUG.2020 20:30:01

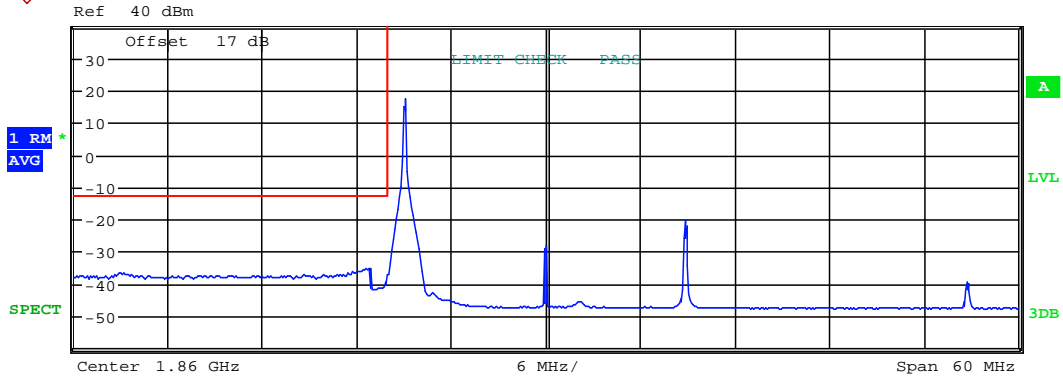


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

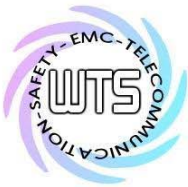
FCC ID: GX9CTC1052QT

20MHz



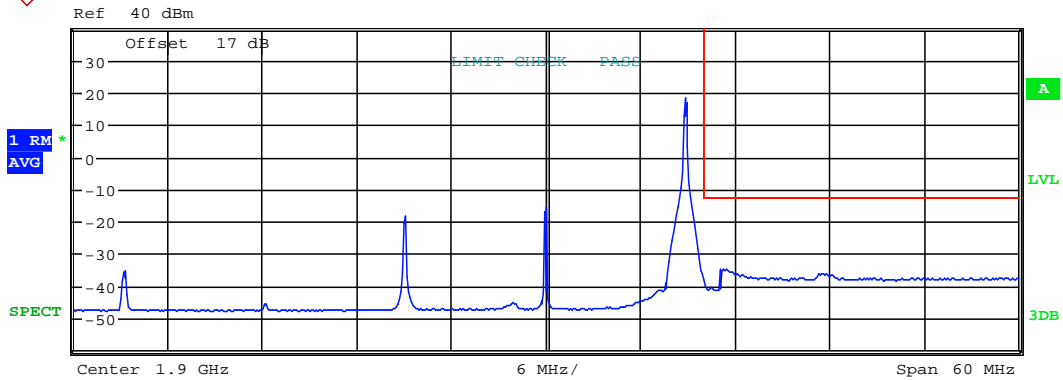
| Tx Channel |           |          |            | BW_20_MHz_lower UL |              |              |
|------------|-----------|----------|------------|--------------------|--------------|--------------|
| Bandwidth  |           | 20 MHz   | Power      |                    | 19.83 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -30.000 M  | -11.000 M | 1.00 M   | 1.848750 G | -35.25             | -55.08       | -22.25       |
| -11.000 M  | -10.000 M | 200.00 k | 1.849904 G | -37.24             | -57.07       | -24.24       |
| 10.000 M   | 30.000 M  | 100.00 k | 1.886731 G | -39.76             | -59.59       | -339.76      |

Date: 5.AUG.2020 20:31:06



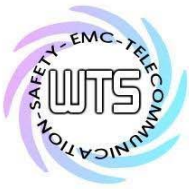
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_20_MHz_higher UL |           |         |
|------------|-----------|----------|------------|---------------------|-----------|---------|
| Bandwidth  |           | 20 MHz   | Power      |                     | 20.72 dBm |         |
| Start      | Stop      | RBW      | Freq       | PwrAbs              | PwrRel    | Δ Limit |
| [Hz]       | [Hz]      | [Hz]     | [Hz]       | [dBm]               | [dBc]     | [dB]    |
| -30.000 M  | -10.000 M | 100.00 k | 1.873269 G | -35.52              | -56.24    | -335.52 |
| 10.000 M   | 11.000 M  | 200.00 k | 1.910000 G | -36.71              | -57.43    | -23.71  |
| 11.000 M   | 30.000 M  | 1.00 M   | 1.911058 G | -34.91              | -55.63    | -21.91  |

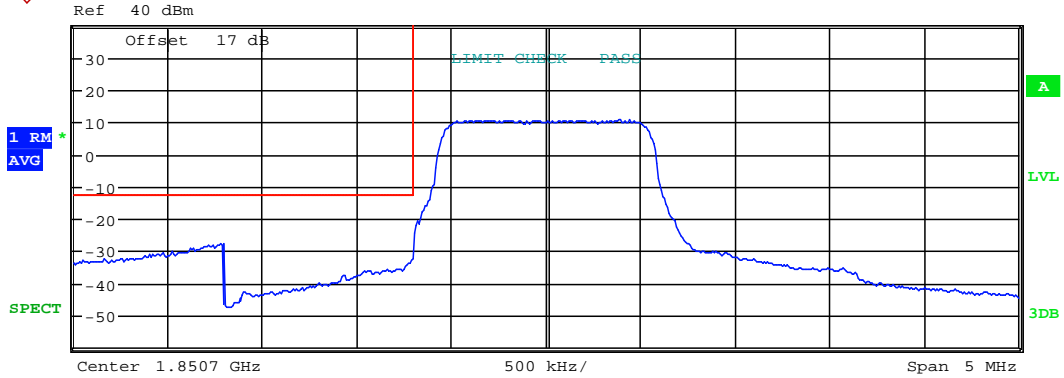
Date: 5.AUG.2020 20:32:03



# Worldwide Testing Services(Taiwan) Co., Ltd.

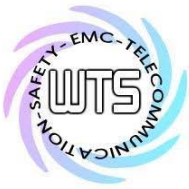
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

QPSK  
 FRB  
 1.4MHz



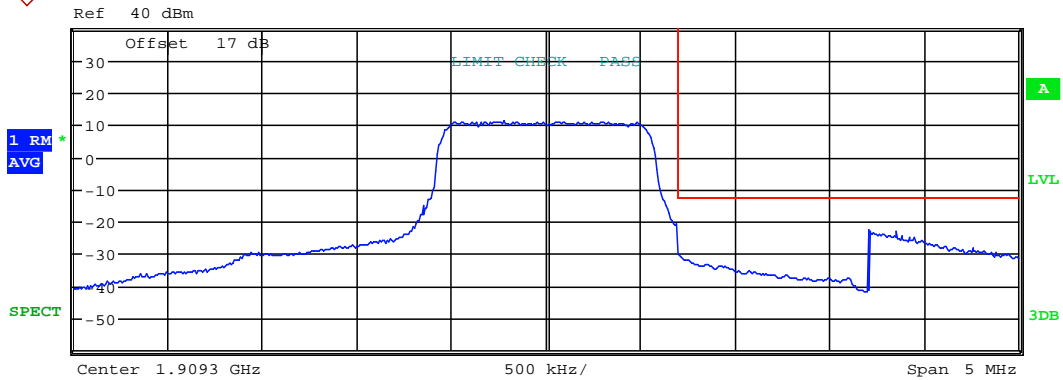
| Tx Channel |            |          |            | BW_1_4_MHz_lower UL |        |           |
|------------|------------|----------|------------|---------------------|--------|-----------|
| Bandwidth  |            | 1.4 MHz  |            | Power               |        | 20.04 dBm |
| Start      | Stop       | RBW      | Freq       | PwrAbs              | PwrRel | Δ Limit   |
| [Hz]       | [Hz]       | [Hz]     | [Hz]       | [dBm]               | [dBc]  | [dB]      |
| -2.500 M   | -1.700 M   | 1.00 M   | 1.848993 G | -27.53              | -47.57 | -14.53    |
| -1.700 M   | -700.000 k | 20.00 k  | 1.849995 G | -32.50              | -52.54 | -19.50    |
| 700.000 k  | 2.500 M    | 100.00 k | 1.851400 G | -23.05              | -43.09 | -323.05   |

Date: 5.AUG.2020 20:37:23



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |            |          |            | BW_1_4_MHz_higher UL |           |         |
|------------|------------|----------|------------|----------------------|-----------|---------|
| Bandwidth  |            | 1.4 MHz  | Power      |                      | 20.36 dBm |         |
| Start      | Stop       | RBW      | Freq       | PwrAbs               | PwrRel    | ΔLimit  |
| [Hz]       | [Hz]       | [Hz]     | [Hz]       | [dBm]                | [dBc]     | [dB]    |
| -2.500 M   | -700.000 k | 100.00 k | 1.908595 G | -21.83               | -42.19    | -321.83 |
| 700.000 k  | 1.700 M    | 20.00 k  | 1.910000 G | -20.95               | -41.31    | -7.95   |
| 1.700 M    | 2.500 M    | 1.00 M   | 1.911007 G | -22.74               | -43.10    | -9.74   |

Date: 5.AUG.2020 20:38:10

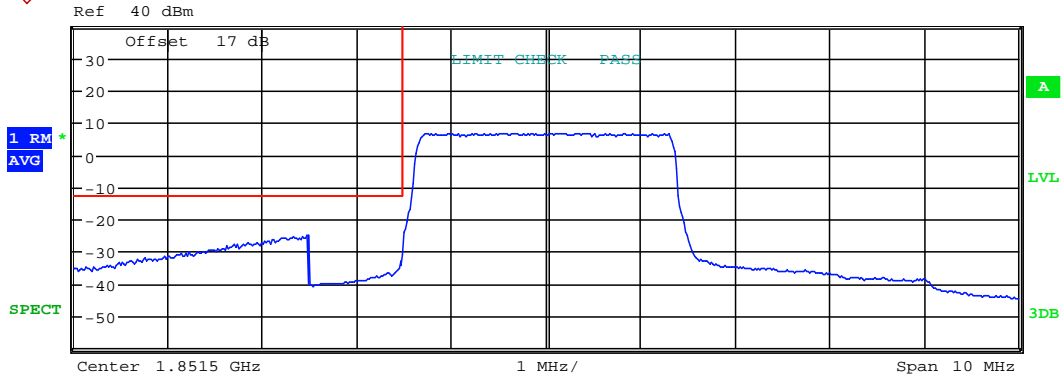


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz



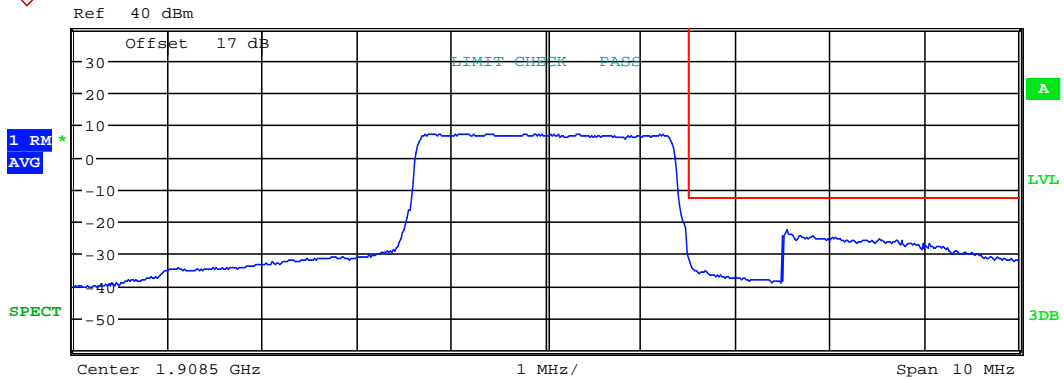
| Tx Channel |           |          |            | BW_3_MHz_lower UL |              |             |
|------------|-----------|----------|------------|-------------------|--------------|-------------|
| Bandwidth  |           | 3 MHz    | Power      |                   | 20.16 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]      | PwrRel [dBc] | ΔLimit [dB] |
| -5.000 M   | -2.500 M  | 1.00 M   | 1.848984 G | -24.66            | -44.82       | -11.66      |
| -2.500 M   | -1.500 M  | 30.00 k  | 1.849978 G | -31.30            | -51.46       | -18.30      |
| 1.500 M    | 5.000 M   | 100.00 k | 1.853006 G | -25.48            | -45.65       | -325.48     |

Date: 5.AUG.2020 20:40:41



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_3_MHz_higher UL |              |              |
|------------|-----------|----------|------------|--------------------|--------------|--------------|
| Bandwidth  |           | 3 MHz    | Power      |                    | 20.54 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -5.000 M   | -1.500 M  | 100.00 k | 1.906978 G | -23.65             | -44.19       | -323.65      |
| 1.500 M    | 2.500 M   | 30.00 k  | 1.910006 G | -30.56             | -51.10       | -17.56       |
| 2.500 M    | 5.000 M   | 1.00 M   | 1.911048 G | -22.77             | -43.31       | -9.77        |

Date: 5.AUG.2020 20:42:41

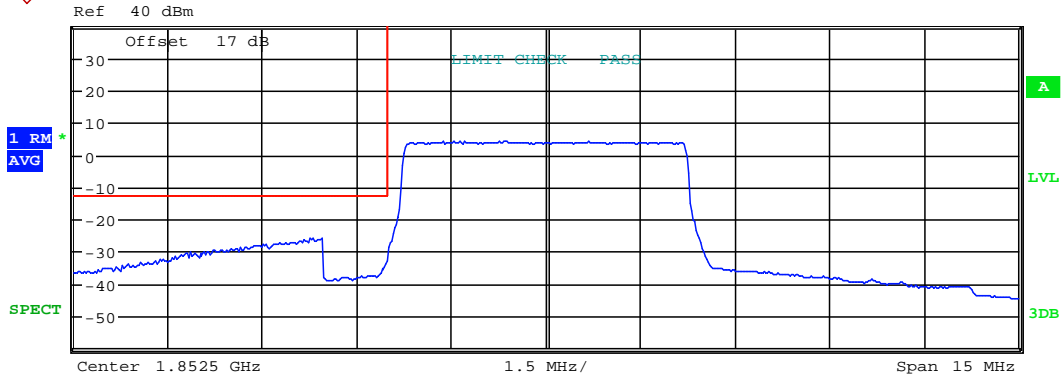


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

5MHz



| Tx Channel |           |          |            | BW_5_MHz_lower UL |              |              |
|------------|-----------|----------|------------|-------------------|--------------|--------------|
| Bandwidth  |           | 5 MHz    | Power      |                   | 19.83 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]      | PwrRel [dBc] | Δ Limit [dB] |
| -7.500 M   | -3.500 M  | 1.00 M   | 1.848942 G | -26.12            | -45.95       | -13.12       |
| -3.500 M   | -2.500 M  | 50.00 k  | 1.849976 G | -33.02            | -52.85       | -20.02       |
| 2.500 M    | 7.500 M   | 100.00 k | 1.855000 G | -29.60            | -49.43       | -329.60      |

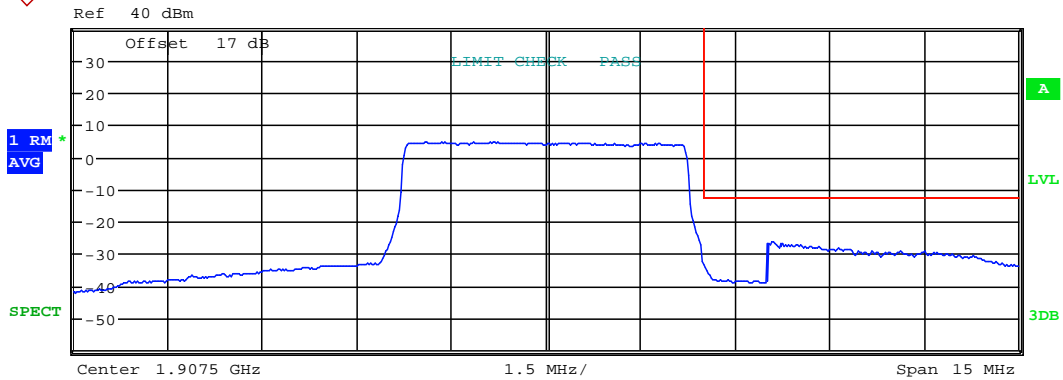
Date: 5.AUG.2020 21:06:55





# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_5_MHz_higher UL |              |              |
|------------|-----------|----------|------------|--------------------|--------------|--------------|
| Bandwidth  |           | 5 MHz    | Power      |                    | 20.19 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -7.500 M   | -2.500 M  | 100.00 k | 1.904976 G | -28.68             | -48.87       | -328.68      |
| 2.500 M    | 3.500 M   | 50.00 k  | 1.910000 G | -32.78             | -52.97       | -19.78       |
| 3.500 M    | 7.500 M   | 1.00 M   | 1.911082 G | -26.50             | -46.68       | -13.50       |

Date: 5.AUG.2020 21:07:34

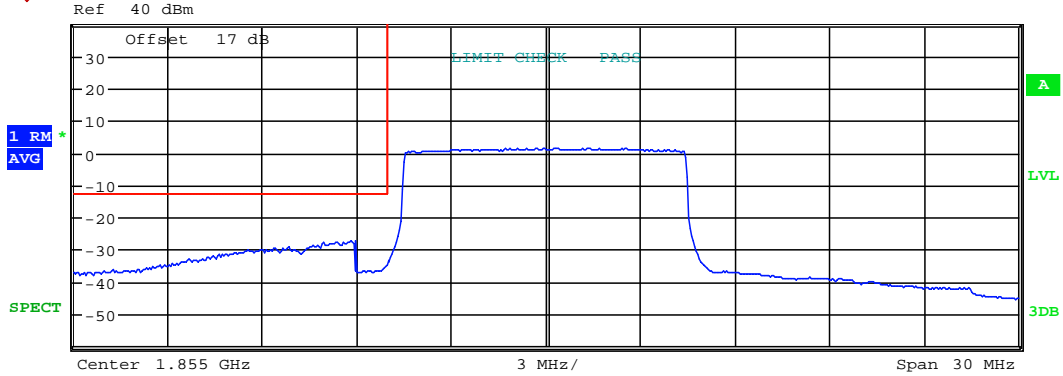


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

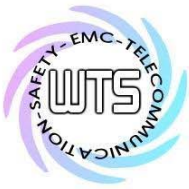
FCC ID: GX9CTC1052QT

10MHz



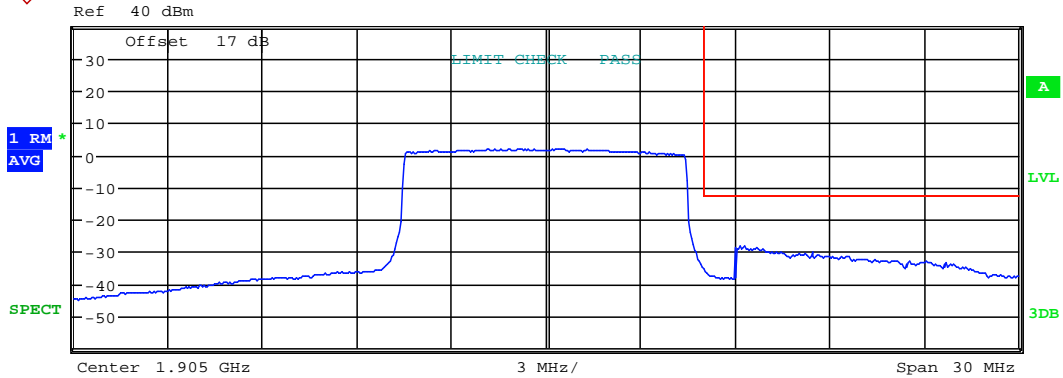
| Tx Channel |           |          |            | BW_10_MHz_lower UL |              |             |
|------------|-----------|----------|------------|--------------------|--------------|-------------|
| Bandwidth  |           | 10 MHz   | Power      |                    | 20.00 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | ΔLimit [dB] |
| -15.000 M  | -6.000 M  | 1.00 M   | 1.848798 G | -27.33             | -47.33       | -14.33      |
| -6.000 M   | -5.000 M  | 100.00 k | 1.849952 G | -34.43             | -54.43       | -21.43      |
| 5.000 M    | 15.000 M  | 100.00 k | 1.860000 G | -34.91             | -54.91       | -334.91     |

Date: 5.AUG.2020 21:09:22



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_10_MHz_higher UL |              |              |
|------------|-----------|----------|------------|---------------------|--------------|--------------|
| Bandwidth  |           | 10 MHz   | Power      |                     | 20.27 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]        | PwrRel [dBc] | Δ Limit [dB] |
| -15.000 M  | -5.000 M  | 100.00 k | 1.899952 G | -34.03              | -54.30       | -334.03      |
| 5.000 M    | 6.000 M   | 100.00 k | 1.910000 G | -35.33              | -55.60       | -22.33       |
| 6.000 M    | 15.000 M  | 1.00 M   | 1.911298 G | -28.53              | -48.80       | -15.53       |

Date: 5.AUG.2020 21:10:11

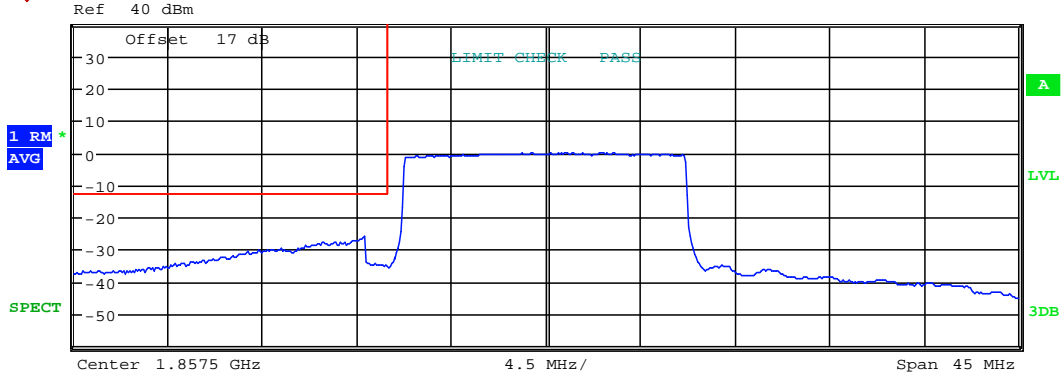


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

15MHz



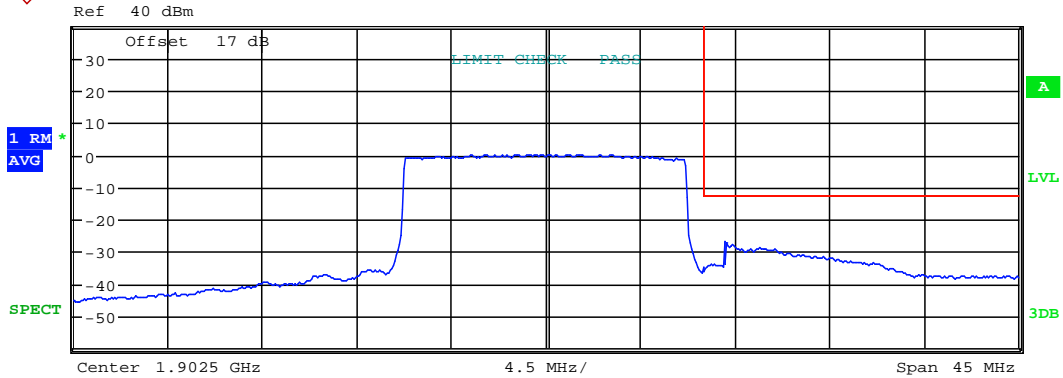
| Tx Channel |           |          |            | BW_15_MHz_lower UL |              |             |
|------------|-----------|----------|------------|--------------------|--------------|-------------|
| Bandwidth  |           | 15 MHz   | Power      |                    | 20.29 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | ΔLimit [dB] |
| -22.500 M  | -8.500 M  | 1.00 M   | 1.848846 G | -26.34             | -46.64       | -13.34      |
| -8.500 M   | -7.500 M  | 150.00 k | 1.849063 G | -34.38             | -54.67       | -21.38      |
| 7.500 M    | 22.500 M  | 100.00 k | 1.865865 G | -35.08             | -55.37       | -335.08     |

Date: 5.AUG.2020 21:13:42



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |          |          |            | BW_15_MHz_higher UL |        |           |  |
|------------|----------|----------|------------|---------------------|--------|-----------|--|
| Bandwidth  |          | 15 MHz   |            | Power               |        | 20.33 dBm |  |
| Start      | Stop     | RBW      | Freq       | PwrAbs              | PwrRel | Δ Limit   |  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]       | [dBm]               | [dBc]  | [dB]      |  |
| -22.500 M  | -7.500 M | 100.00 k | 1.894063 G | -35.90              | -56.23 | -335.90   |  |
| 7.500 M    | 8.500 M  | 150.00 k | 1.910361 G | -34.01              | -54.34 | -21.01    |  |
| 8.500 M    | 22.500 M | 1.00 M   | 1.911082 G | -27.48              | -47.81 | -14.48    |  |

Date: 5.AUG.2020 21:14:28

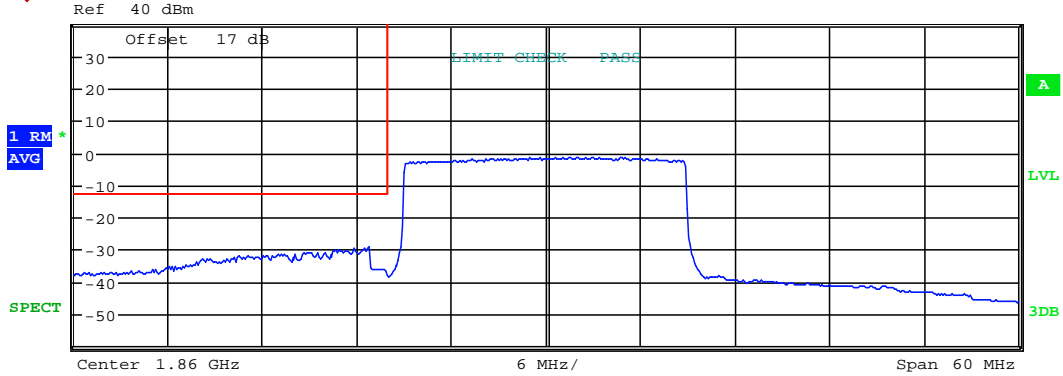


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

20MHz



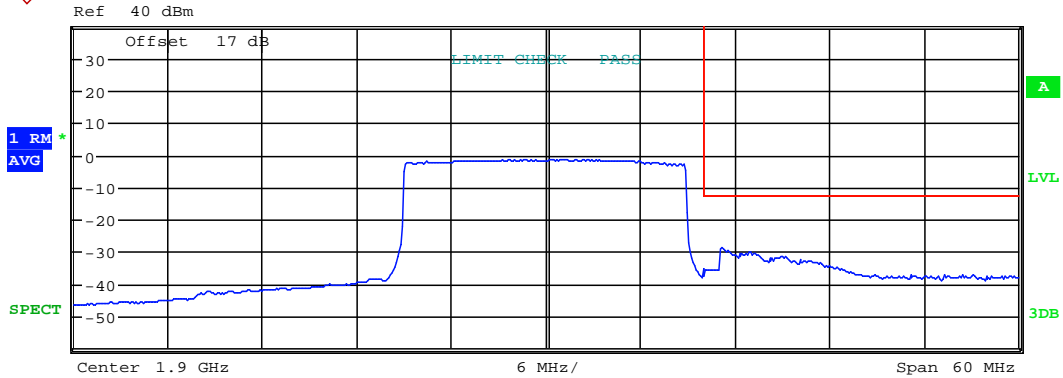
| Tx Channel |           |          |            | BW_20_MHz_lower UL |              |             |
|------------|-----------|----------|------------|--------------------|--------------|-------------|
| Bandwidth  |           | 20 MHz   | Power      |                    | 19.96 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | ΔLimit [dB] |
| -30.000 M  | -11.000 M | 1.00 M   | 1.848750 G | -29.52             | -49.48       | -16.52      |
| -11.000 M  | -10.000 M | 200.00 k | 1.849904 G | -36.02             | -55.98       | -23.02      |
| 10.000 M   | 30.000 M  | 100.00 k | 1.870962 G | -38.36             | -58.31       | -338.36     |

Date: 5.AUG.2020 21:16:23



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_20_MHz_higher UL |           |         |
|------------|-----------|----------|------------|---------------------|-----------|---------|
| Bandwidth  |           | 20 MHz   | Power      |                     | 20.12 dBm |         |
| Start      | Stop      | RBW      | Freq       | PwrAbs              | PwrRel    | Δ Limit |
| [Hz]       | [Hz]      | [Hz]     | [Hz]       | [dBm]               | [dBc]     | [dB]    |
| -30.000 M  | -10.000 M | 100.00 k | 1.889423 G | -38.59              | -58.71    | -338.59 |
| 10.000 M   | 11.000 M  | 200.00 k | 1.910000 G | -35.15              | -55.27    | -22.15  |
| 11.000 M   | 30.000 M  | 1.00 M   | 1.911154 G | -28.82              | -48.94    | -15.82  |

Date: 5.AUG.2020 21:17:14



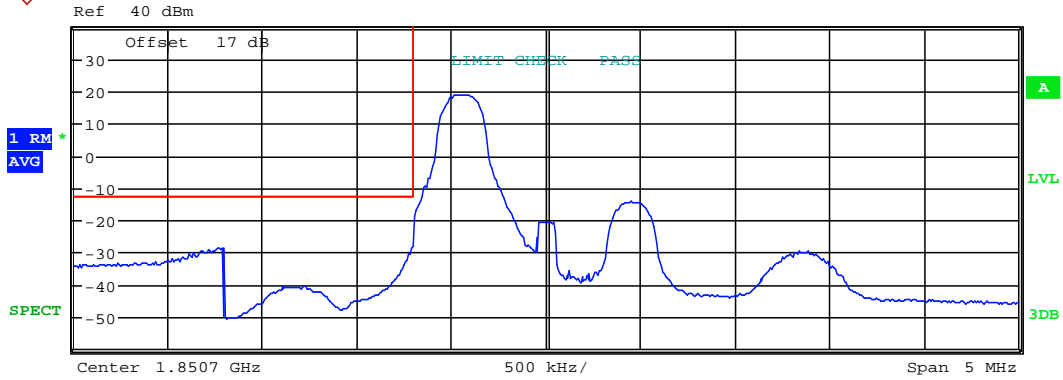
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

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1RB

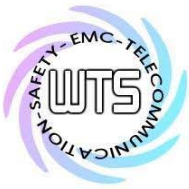
1.4MHz



| Tx Channel |            |          |            | BW_1_4_MHz_lower UL |              |             |  |
|------------|------------|----------|------------|---------------------|--------------|-------------|--|
| Bandwidth  |            | 1.4 MHz  |            | Power               |              | 20.91 dBm   |  |
| Start [Hz] | Stop [Hz]  | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]        | PwrRel [dBc] | ΔLimit [dB] |  |
| -2.500 M   | -1.700 M   | 1.00 M   | 1.848993 G | -28.57              | -49.48       | -15.57      |  |
| -1.700 M   | -700.000 k | 20.00 k  | 1.849995 G | -28.20              | -49.11       | -15.20      |  |
| 700.000 k  | 2.500 M    | 100.00 k | 1.852038 G | -29.82              | -50.74       | -329.82     |  |

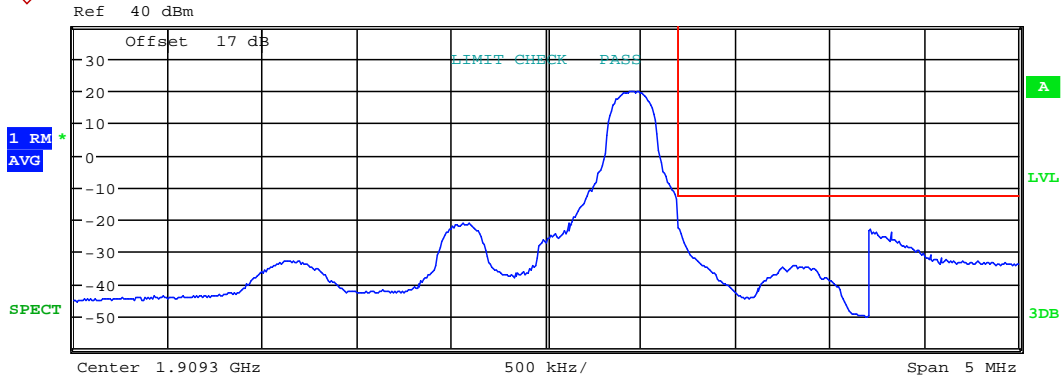
Date: 5.AUG.2020 20:36:43





# Worldwide Testing Services(Taiwan) Co., Ltd.

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 FCC ID: GX9CTC1052QT



| Tx Channel |            |          |            | BW_1_4_MHz_higher UL |           |         |
|------------|------------|----------|------------|----------------------|-----------|---------|
| Bandwidth  |            | 1.4 MHz  | Power      |                      | 21.69 dBm |         |
| Start      | Stop       | RBW      | Freq       | PwrAbs               | PwrRel    | Δ Limit |
| [Hz]       | [Hz]       | [Hz]     | [Hz]       | [dBm]                | [dBc]     | [dB]    |
| -2.500 M   | -700.000 k | 100.00 k | 1.907946 G | -32.84               | -54.54    | -332.84 |
| 700.000 k  | 1.700 M    | 20.00 k  | 1.910000 G | -14.08               | -35.77    | -1.08   |
| 1.700 M    | 2.500 M    | 1.00 M   | 1.911015 G | -23.34               | -45.03    | -10.34  |

Date: 5.AUG.2020 20:38:37

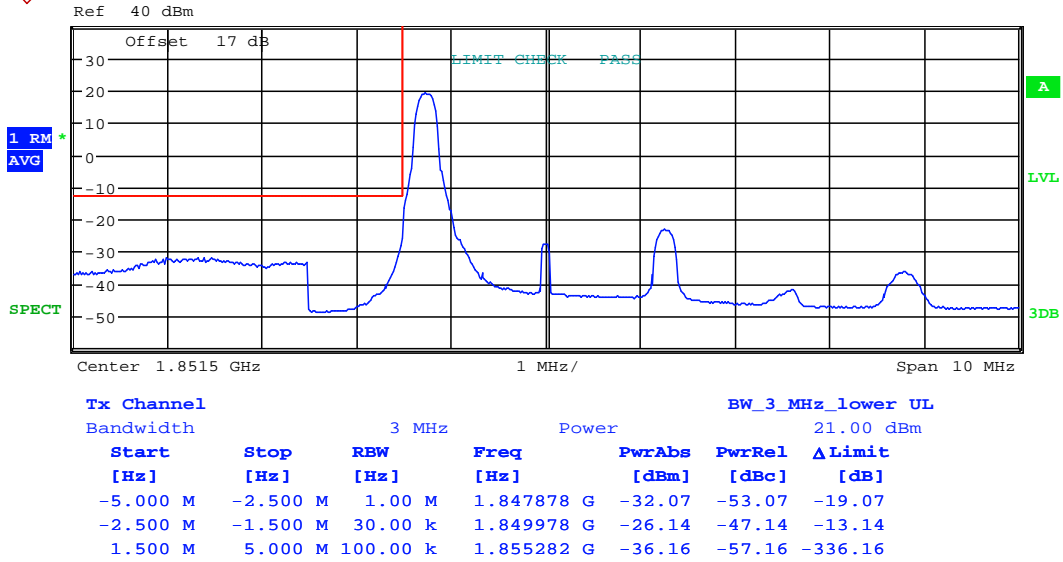


# Worldwide Testing Services(Taiwan) Co., Ltd.

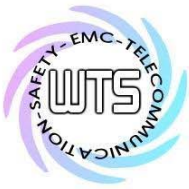
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

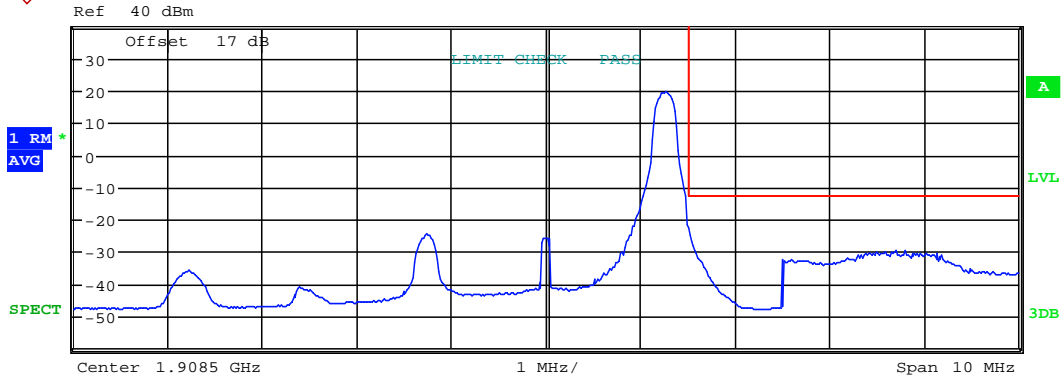
3MHz



Date: 5.AUG.2020 20:40:10

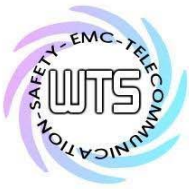


Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_3_MHz_higher UL |              |              |
|------------|-----------|----------|------------|--------------------|--------------|--------------|
| Bandwidth  |           | 3 MHz    | Power      |                    | 21.36 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -5.000 M   | -1.500 M  | 100.00 k | 1.904718 G | -35.98             | -57.34       | -335.98      |
| 1.500 M    | 2.500 M   | 30.00 k  | 1.910006 G | -22.02             | -43.38       | -9.02        |
| 2.500 M    | 5.000 M   | 1.00 M   | 1.912202 G | -29.75             | -51.11       | -16.75       |

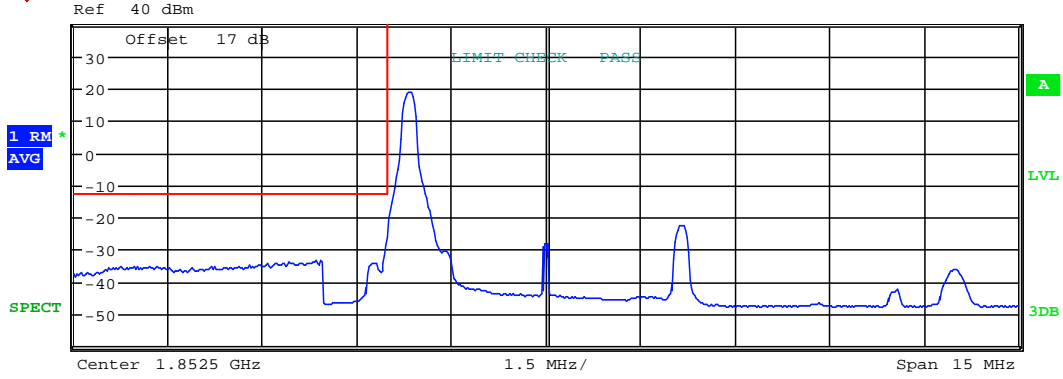
Date: 5.AUG.2020 20:43:06



Report Number: W6R22011-20409-P-247

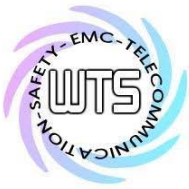
FCC ID: GX9CTC1052QT

5MHz



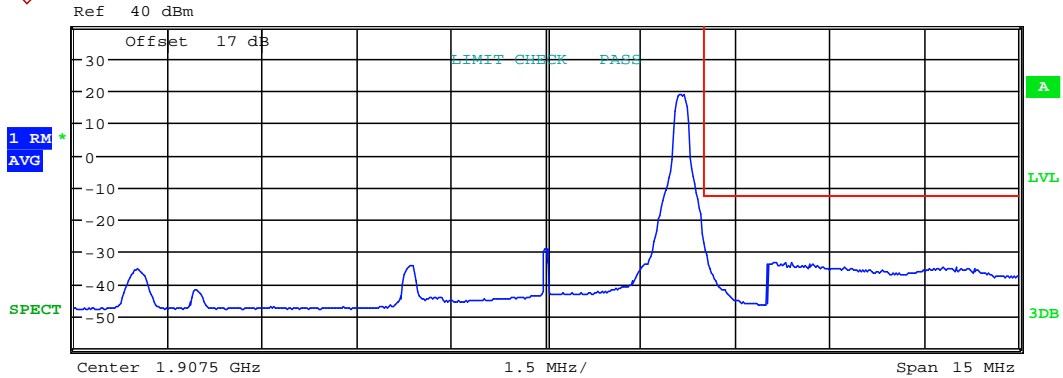
| Tx Channel |          |          |            | BW_5_MHz_lower UL |        |         |
|------------|----------|----------|------------|-------------------|--------|---------|
| Bandwidth  |          |          | Power      |                   |        |         |
| Start      | Stop     | RBW      | Freq       | PwrAbs            | PwrRel | ΔLimit  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]       | [dBm]             | [dBc]  | [dB]    |
| -7.500 M   | -3.500 M | 1.00 M   | 1.848846 G | -33.21            | -54.05 | -20.21  |
| -3.500 M   | -2.500 M | 50.00 k  | 1.849976 G | -26.41            | -47.24 | -13.41  |
| 2.500 M    | 7.500 M  | 100.00 k | 1.859014 G | -36.08            | -56.91 | -336.08 |

Date: 5.AUG.2020 21:06:29



# Worldwide Testing Services(Taiwan) Co., Ltd.

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| Tx Channel |           |          |            | BW_5_MHz_higher UL |              |              |
|------------|-----------|----------|------------|--------------------|--------------|--------------|
| Bandwidth  |           | 5 MHz    | Power      |                    | 21.03 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -7.500 M   | -2.500 M  | 100.00 k | 1.901010 G | -35.50             | -56.52       | -335.50      |
| 2.500 M    | 3.500 M   | 50.00 k  | 1.910000 G | -25.11             | -46.14       | -12.11       |
| 3.500 M    | 7.500 M   | 1.00 M   | 1.911130 G | -33.28             | -54.31       | -20.28       |

Date: 5.AUG.2020 21:08:03

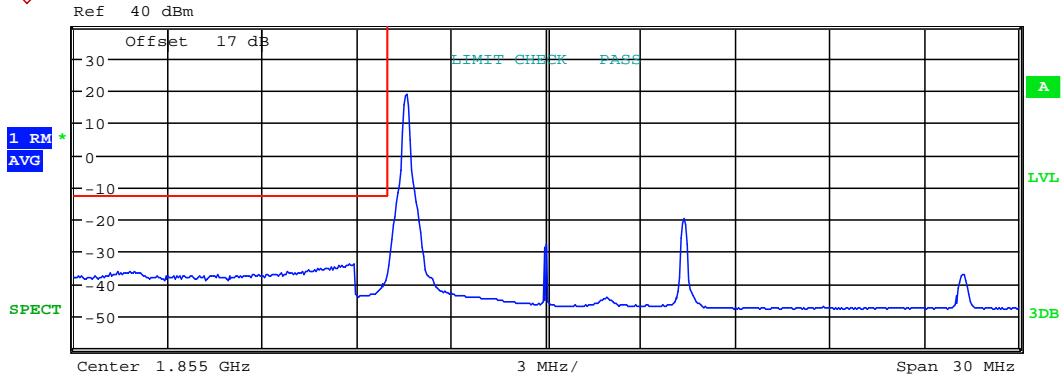


# Worldwide Testing Services(Taiwan) Co., Ltd.

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FCC ID: GX9CTC1052QT

10MHz

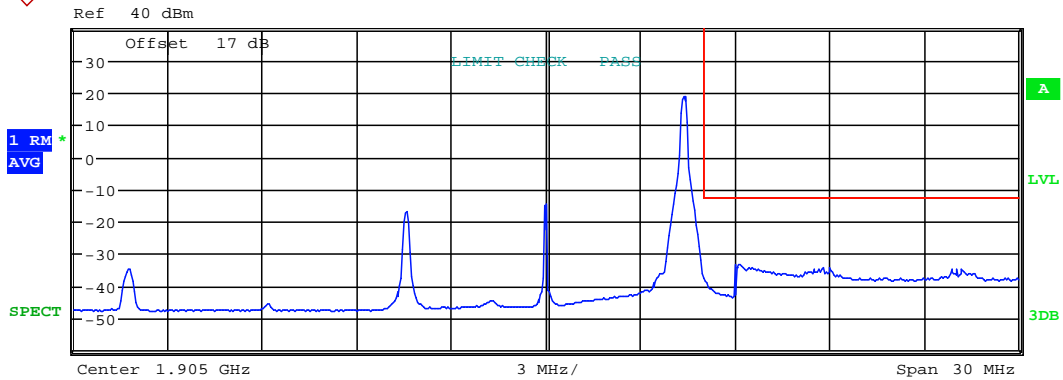


| Tx Channel |           |          |            | BW_10_MHz_lower UL |              |             |
|------------|-----------|----------|------------|--------------------|--------------|-------------|
| Bandwidth  |           | 10 MHz   | Power      |                    | 21.00 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | ΔLimit [dB] |
| -15.000 M  | -6.000 M  | 1.00 M   | 1.848750 G | -33.85             | -54.85       | -20.85      |
| -6.000 M   | -5.000 M  | 100.00 k | 1.849952 G | -37.25             | -58.25       | -24.25      |
| 5.000 M    | 15.000 M  | 100.00 k | 1.868221 G | -37.09             | -58.09       | -337.09     |

Date: 5.AUG.2020 21:08:59

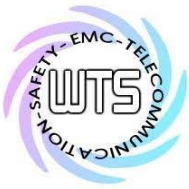


Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_10_MHz_higher UL |              |              |
|------------|-----------|----------|------------|---------------------|--------------|--------------|
| Bandwidth  |           | 10 MHz   | Power      |                     | 21.16 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]        | PwrRel [dBc] | Δ Limit [dB] |
| -15.000 M  | -5.000 M  | 100.00 k | 1.891731 G | -34.90              | -56.06       | -334.90      |
| 5.000 M    | 6.000 M   | 100.00 k | 1.910000 G | -36.65              | -57.81       | -23.65       |
| 6.000 M    | 15.000 M  | 1.00 M   | 1.911106 G | -33.61              | -54.77       | -20.61       |

Date: 5.AUG.2020 21:10:36

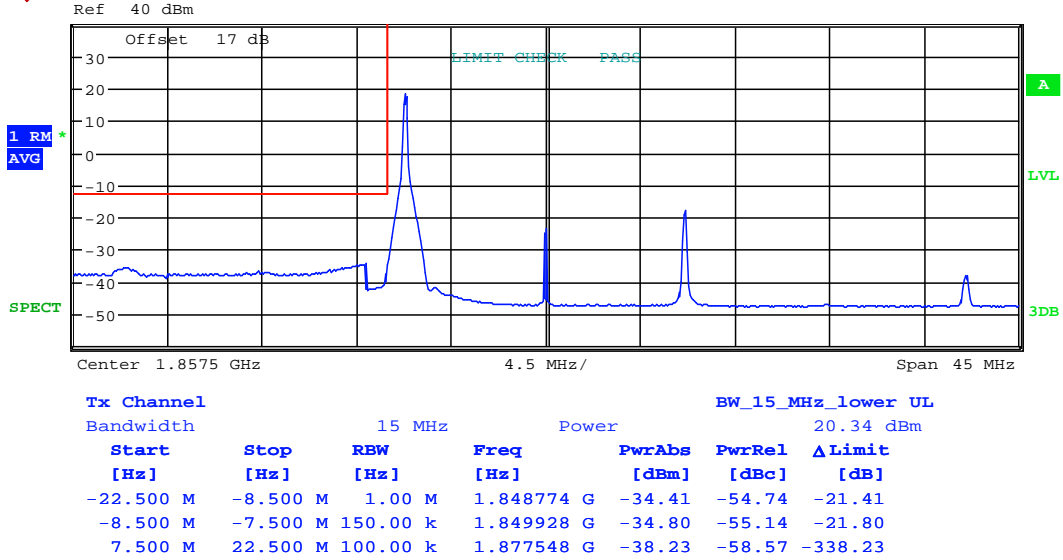


# Worldwide Testing Services(Taiwan) Co., Ltd.

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FCC ID: GX9CTC1052QT

15MHz

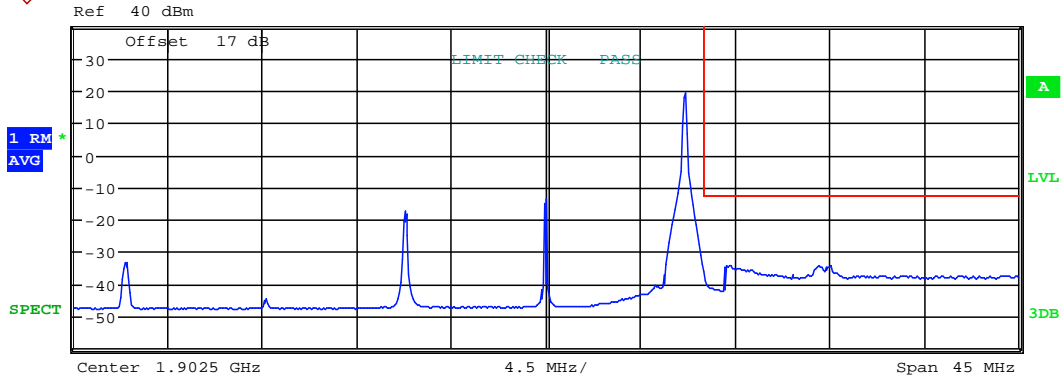


Date: 5.AUG.2020 21:11:56



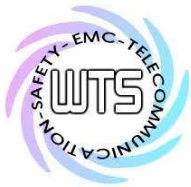


Report Number: W6R22011-20409-P-247  
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| Tx Channel |          |          |            | BW_15_MHz_higher UL |        |           |  |
|------------|----------|----------|------------|---------------------|--------|-----------|--|
| Bandwidth  |          | 15 MHz   |            | Power               |        | 21.27 dBm |  |
| Start      | Stop     | RBW      | Freq       | PwrAbs              | PwrRel | ΔLimit    |  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]       | [dBm]               | [dBc]  | [dB]      |  |
| -22.500 M  | -7.500 M | 100.00 k | 1.882524 G | -33.35              | -54.62 | -333.35   |  |
| 7.500 M    | 8.500 M  | 150.00 k | 1.910000 G | -34.20              | -55.47 | -21.20    |  |
| 8.500 M    | 22.500 M | 1.00 M   | 1.911226 G | -34.32              | -55.59 | -21.32    |  |

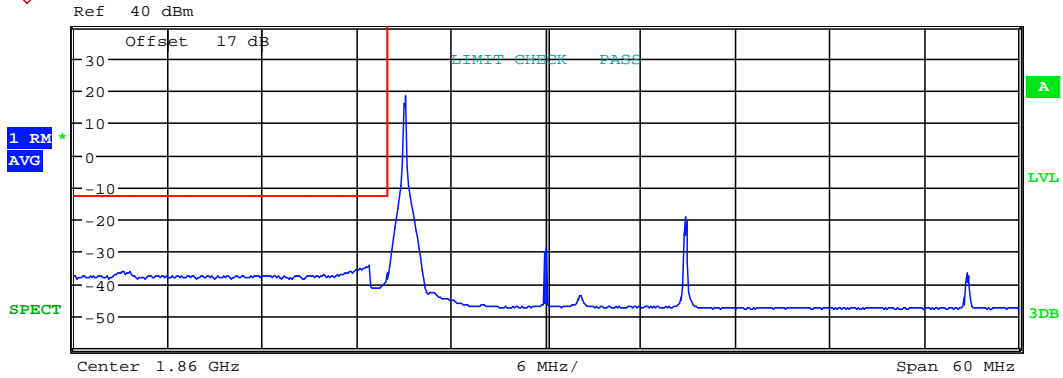
Date: 5.AUG.2020 21:15:02



Report Number: W6R22011-20409-P-247

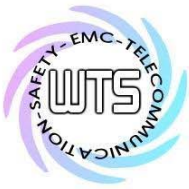
FCC ID: GX9CTC1052QT

20MHz

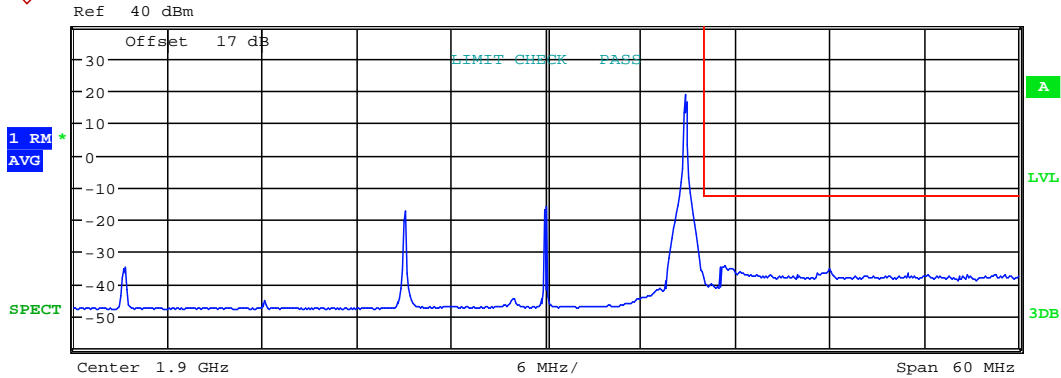


| Tx Channel |           |          |            | BW_20_MHz_lower UL |              |             |
|------------|-----------|----------|------------|--------------------|--------------|-------------|
| Bandwidth  |           | 20 MHz   | Power      |                    | 20.86 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | ΔLimit [dB] |
| -30.000 M  | -11.000 M | 1.00 M   | 1.848750 G | -34.42             | -55.28       | -21.42      |
| -11.000 M  | -10.000 M | 200.00 k | 1.849904 G | -36.87             | -57.73       | -23.87      |
| 10.000 M   | 30.000 M  | 100.00 k | 1.886731 G | -36.79             | -57.66       | -336.79     |

Date: 5.AUG.2020 21:16:01



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| Tx Channel |           |          |            | BW_20_MHz_higher UL |           |         |
|------------|-----------|----------|------------|---------------------|-----------|---------|
| Bandwidth  |           | 20 MHz   | Power      |                     | 21.07 dBm |         |
| Start      | Stop      | RBW      | Freq       | PwrAbs              | PwrRel    | Δ Limit |
| [Hz]       | [Hz]      | [Hz]     | [Hz]       | [dBm]               | [dBc]     | [dB]    |
| -30.000 M  | -10.000 M | 100.00 k | 1.873269 G | -35.00              | -56.07    | -335.00 |
| 10.000 M   | 11.000 M  | 200.00 k | 1.910000 G | -36.31              | -57.37    | -23.31  |
| 11.000 M   | 30.000 M  | 1.00 M   | 1.911346 G | -34.51              | -55.58    | -21.51  |

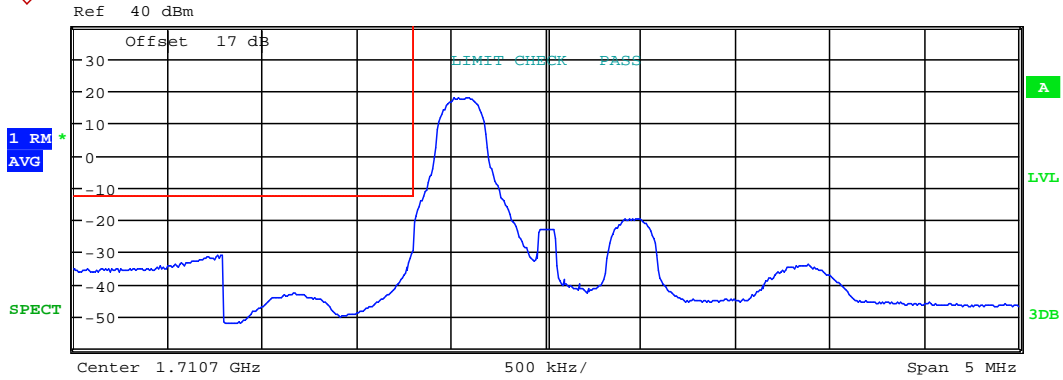
Date: 5.AUG.2020 21:17:36



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

Band IV  
 16QAM  
 1RB  
 1.4MHz



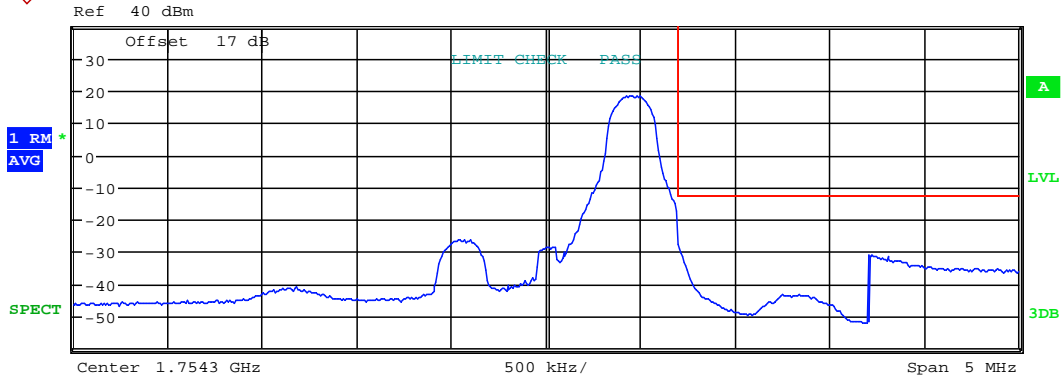
| Tx Channel |            |          |            | BW_1_4_MHz_lower UL |              |             |
|------------|------------|----------|------------|---------------------|--------------|-------------|
| Bandwidth  |            | 1.4 MHz  |            | Power               |              | 19.87 dBm   |
| Start [Hz] | Stop [Hz]  | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]        | PwrRel [dBc] | ΔLimit [dB] |
| -2.500 M   | -1.700 M   | 1.00 M   | 1.708961 G | -31.35              | -51.23       | -18.35      |
| -1.700 M   | -700.000 k | 20.00 k  | 1.709995 G | -29.64              | -49.51       | -16.64      |
| 700.000 k  | 2.500 M    | 100.00 k | 1.712086 G | -34.05              | -53.93       | -334.05     |

Date: 6.AUG.2020 19:32:43



# Worldwide Testing Services(Taiwan) Co., Ltd.

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| Tx Channel |            |          |            | BW_1_4_MHz_higher UL |           |         |
|------------|------------|----------|------------|----------------------|-----------|---------|
| Bandwidth  |            | 1.4 MHz  | Power      |                      | 20.25 dBm |         |
| Start      | Stop       | RBW      | Freq       | PwrAbs               | PwrRel    | Δ Limit |
| [Hz]       | [Hz]       | [Hz]     | [Hz]       | [dBm]                | [dBc]     | [dB]    |
| -2.500 M   | -700.000 k | 100.00 k | 1.752978 G | -40.87               | -61.12    | -340.87 |
| 700.000 k  | 1.700 M    | 20.00 k  | 1.755000 G | -18.02               | -38.26    | -5.02   |
| 1.700 M    | 2.500 M    | 1.00 M   | 1.756007 G | -31.15               | -51.40    | -18.15  |

Date: 6.AUG.2020 19:37:21

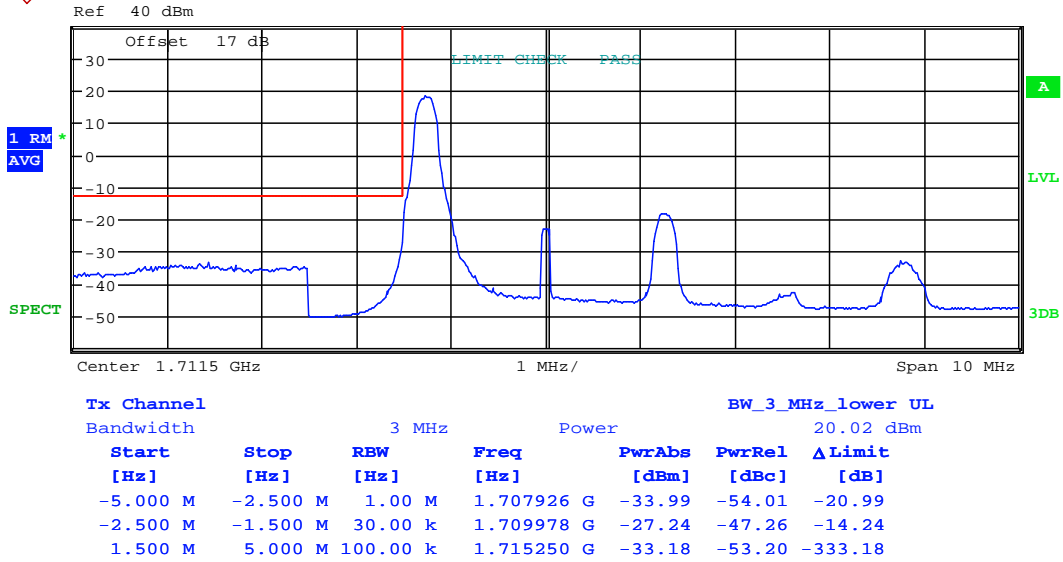


# Worldwide Testing Services(Taiwan) Co., Ltd.

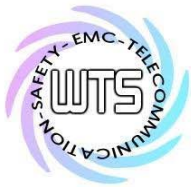
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz

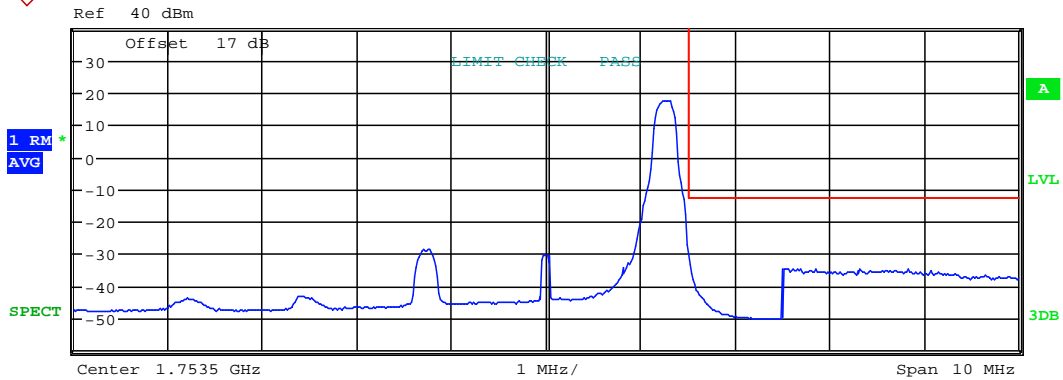


Date: 6.AUG.2020 19:39:43



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_3_MHz_higher UL |              |              |
|------------|-----------|----------|------------|--------------------|--------------|--------------|
| Bandwidth  |           | 3 MHz    | Power      |                    | 19.61 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -5.000 M   | -1.500 M  | 100.00 k | 1.750904 G | -43.19             | -62.80       | -343.19      |
| 1.500 M    | 2.500 M   | 30.00 k  | 1.755006 G | -27.93             | -47.53       | -14.93       |
| 2.500 M    | 5.000 M   | 1.00 M   | 1.756032 G | -34.86             | -54.46       | -21.86       |

Date: 6.AUG.2020 19:47:25

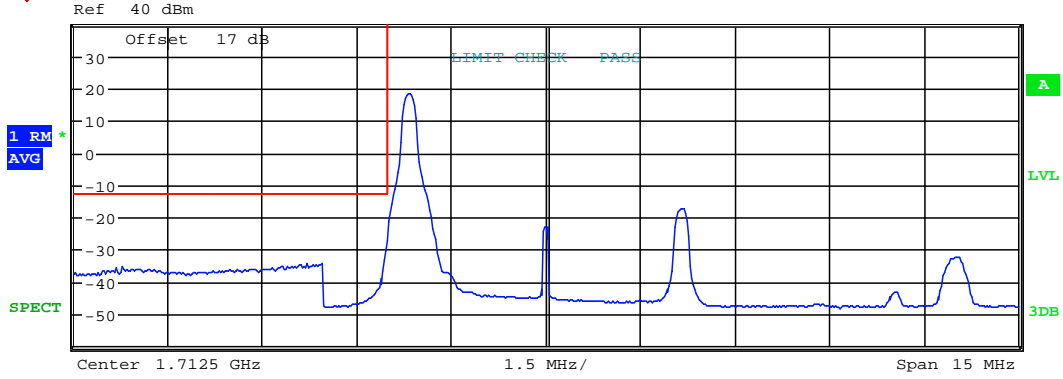


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

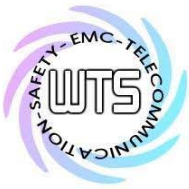
5MHz



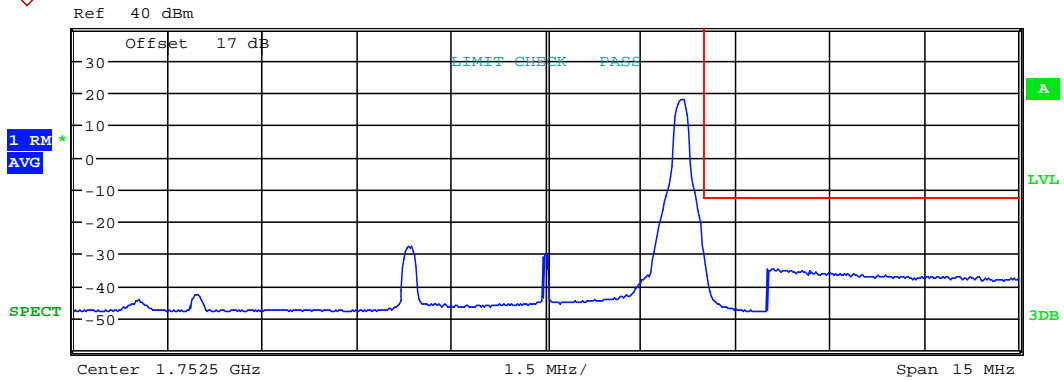
| Tx Channel |          |          |            | BW_5_MHz_lower UL |        |         |
|------------|----------|----------|------------|-------------------|--------|---------|
| Bandwidth  |          |          |            | Power             |        |         |
| Start      | Stop     | RBW      | Freq       | PwrAbs            | PwrRel | ΔLimit  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]       | [dBm]             | [dBc]  | [dB]    |
| -7.500 M   | -3.500 M | 1.00 M   | 1.708942 G | -34.55            | -54.85 | -21.55  |
| -3.500 M   | -2.500 M | 50.00 k  | 1.709976 G | -27.34            | -47.63 | -14.34  |
| 2.500 M    | 7.500 M  | 100.00 k | 1.718990 G | -32.30            | -52.60 | -332.30 |

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| Tx Channel |           |          |            | BW_5_MHz_higher UL |              |              |
|------------|-----------|----------|------------|--------------------|--------------|--------------|
| Bandwidth  |           | 5 MHz    | Power      |                    | 19.83 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -7.500 M   | -2.500 M  | 100.00 k | 1.746947 G | -42.86             | -62.69       | -342.86      |
| 2.500 M    | 3.500 M   | 50.00 k  | 1.755000 G | -27.95             | -47.78       | -14.95       |
| 3.500 M    | 7.500 M   | 1.00 M   | 1.756178 G | -34.89             | -54.72       | -21.89       |

Date: 6.AUG.2020 19:51:47

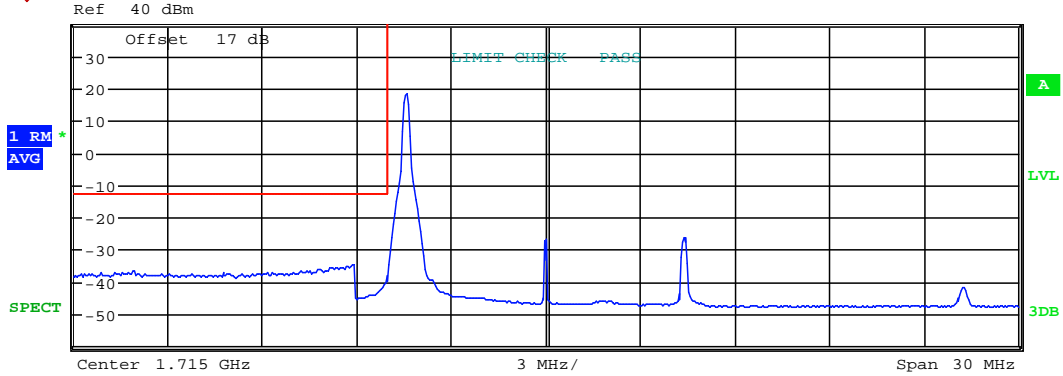


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

10MHz



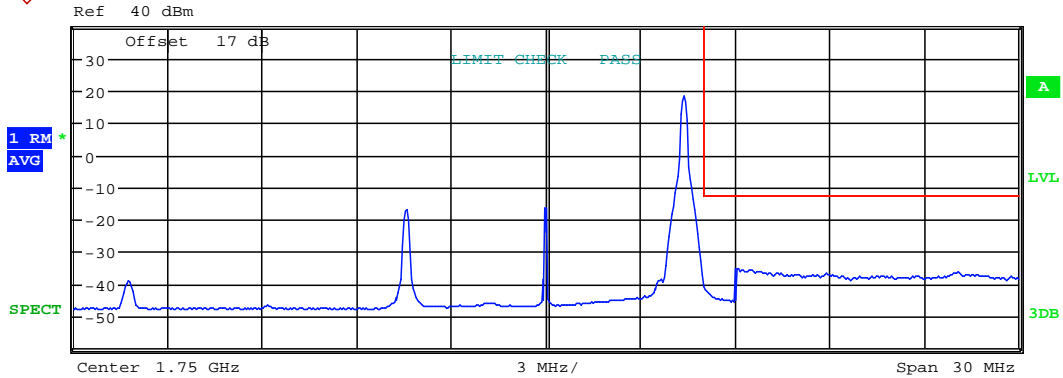
| Tx Channel |           |          |            | BW_10_MHz_lower UL |              |             |
|------------|-----------|----------|------------|--------------------|--------------|-------------|
| Bandwidth  |           | 10 MHz   | Power      |                    | 20.60 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | ΔLimit [dB] |
| -15.000 M  | -6.000 M  | 1.00 M   | 1.708846 G | -34.91             | -55.51       | -21.91      |
| -6.000 M   | -5.000 M  | 100.00 k | 1.709952 G | -38.15             | -58.75       | -25.15      |
| 5.000 M    | 15.000 M  | 100.00 k | 1.728269 G | -41.94             | -62.54       | -341.94     |

Date: 6.AUG.2020 19:53:45



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_10_MHz_higher UL |              |              |
|------------|-----------|----------|------------|---------------------|--------------|--------------|
| Bandwidth  |           | 10 MHz   | Power      |                     | 20.36 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]        | PwrRel [dBc] | Δ Limit [dB] |
| -15.000 M  | -5.000 M  | 100.00 k | 1.736731 G | -39.25              | -59.60       | -339.25      |
| 5.000 M    | 6.000 M   | 100.00 k | 1.755000 G | -37.76              | -58.11       | -24.76       |
| 6.000 M    | 15.000 M  | 1.00 M   | 1.756058 G | -35.43              | -55.78       | -22.43       |

Date: 6.AUG.2020 19:54:28

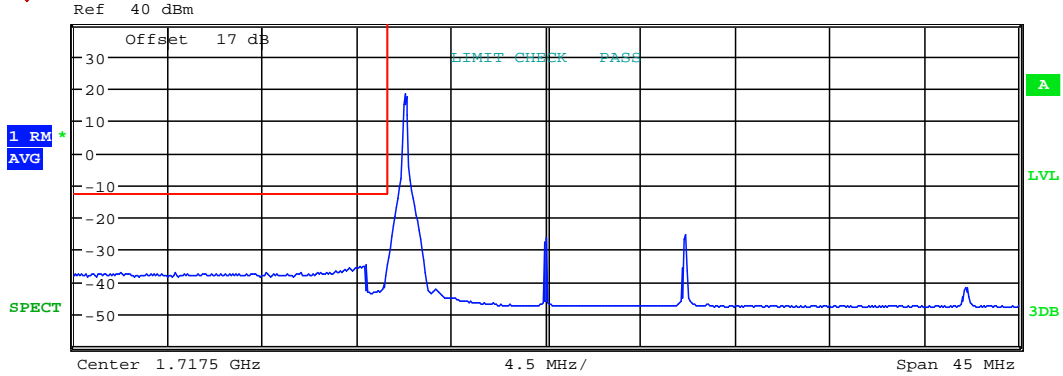


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

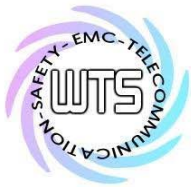
FCC ID: GX9CTC1052QT

15MHz



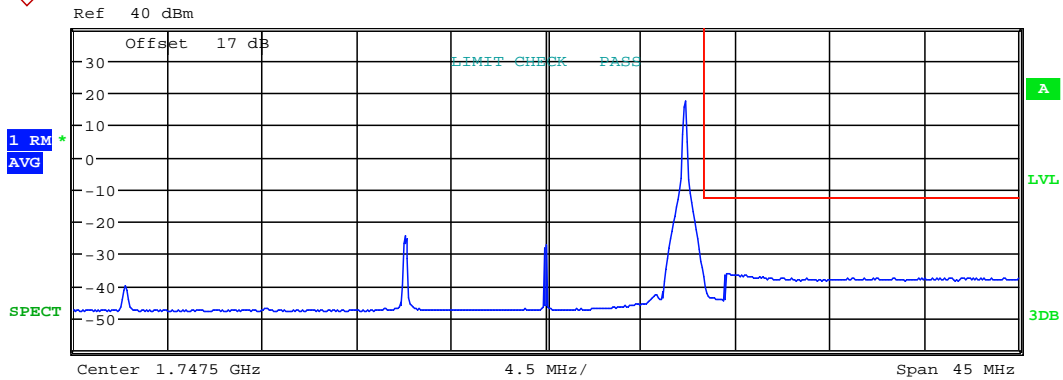
| Tx Channel |           |          |            | BW_15_MHz_lower UL |              |             |
|------------|-----------|----------|------------|--------------------|--------------|-------------|
| Bandwidth  |           | 15 MHz   | Power      |                    | 20.52 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | ΔLimit [dB] |
| -22.500 M  | -8.500 M  | 1.00 M   | 1.708918 G | -35.05             | -55.58       | -22.05      |
| -8.500 M   | -7.500 M  | 150.00 k | 1.709928 G | -34.78             | -55.30       | -21.78      |
| 7.500 M    | 22.500 M  | 100.00 k | 1.737476 G | -41.74             | -62.26       | -341.74     |

Date: 6.AUG.2020 19:57:49



# Worldwide Testing Services(Taiwan) Co., Ltd.

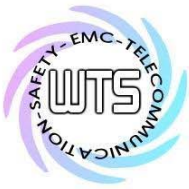
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |          |          |            | BW_15_MHz_higher UL |           |         |
|------------|----------|----------|------------|---------------------|-----------|---------|
| Bandwidth  |          | 15 MHz   | Power      |                     | 19.37 dBm |         |
| Start      | Stop     | RBW      | Freq       | PwrAbs              | PwrRel    | Δ Limit |
| [Hz]       | [Hz]     | [Hz]     | [Hz]       | [dBm]               | [dBc]     | [dB]    |
| -22.500 M  | -7.500 M | 100.00 k | 1.727452 G | -40.25              | -59.62    | -340.25 |
| 7.500 M    | 8.500 M  | 150.00 k | 1.755000 G | -34.91              | -54.28    | -21.91  |
| 8.500 M    | 22.500 M | 1.00 M   | 1.756154 G | -36.15              | -55.52    | -23.15  |

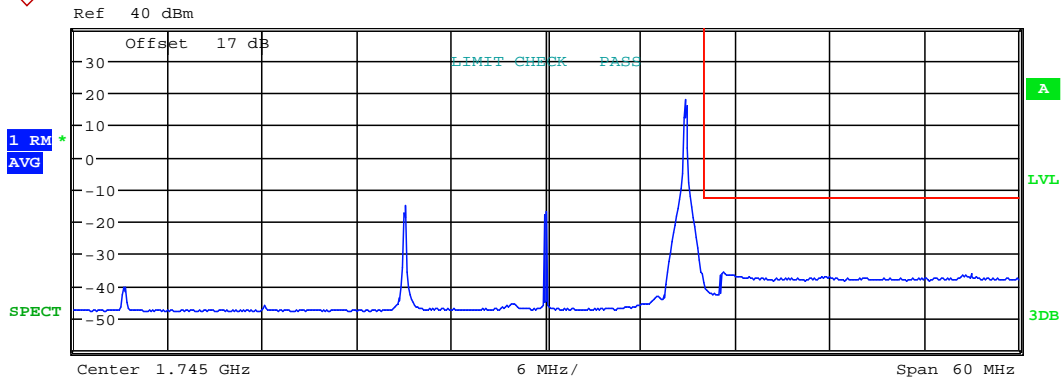
Date: 6.AUG.2020 19:59:06





# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_20_MHz_higher UL |           |         |
|------------|-----------|----------|------------|---------------------|-----------|---------|
| Bandwidth  |           | 20 MHz   | Power      |                     | 20.20 dBm |         |
| Start      | Stop      | RBW      | Freq       | PwrAbs              | PwrRel    | Δ Limit |
| [Hz]       | [Hz]      | [Hz]     | [Hz]       | [dBm]               | [dBc]     | [dB]    |
| -30.000 M  | -10.000 M | 100.00 k | 1.718269 G | -40.36              | -60.55    | -340.36 |
| 10.000 M   | 11.000 M  | 200.00 k | 1.755000 G | -36.60              | -56.79    | -23.60  |
| 11.000 M   | 30.000 M  | 1.00 M   | 1.756250 G | -36.01              | -56.21    | -23.01  |

Date: 6.AUG.2020 20:04:37



# Worldwide Testing Services(Taiwan) Co., Ltd.

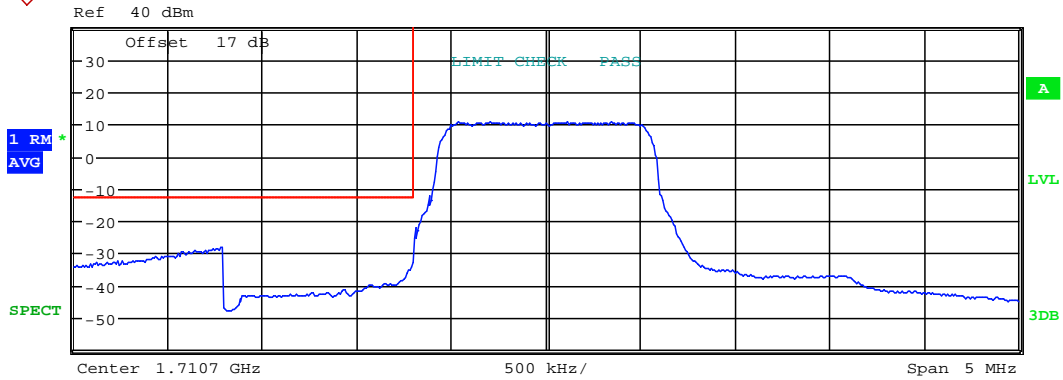
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

QPSK

FRB

1.4MHz



| Tx Channel |            |          |            | BW_1_4_MHz_lower UL |        |         |
|------------|------------|----------|------------|---------------------|--------|---------|
| Bandwidth  |            |          |            | Power               |        |         |
| Start      | Stop       | RBW      | Freq       | PwrAbs              | PwrRel | Δ Limit |
| [Hz]       | [Hz]       | [Hz]     | [Hz]       | [dBm]               | [dBc]  | [dB]    |
| -2.500 M   | -1.700 M   | 1.00 M   | 1.708977 G | -28.51              | -48.61 | -15.51  |
| -1.700 M   | -700.000 k | 20.00 k  | 1.709995 G | -33.20              | -53.30 | -20.20  |
| 700.000 k  | 2.500 M    | 100.00 k | 1.711400 G | -24.56              | -44.65 | -324.56 |

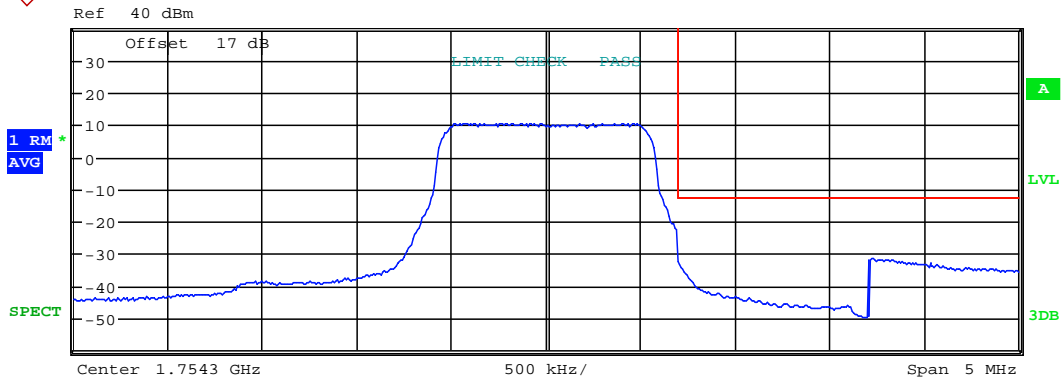
Date: 6.AUG.2020 19:35:23





# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |            |          |            | BW_1_4_MHz_higher UL |              |              |
|------------|------------|----------|------------|----------------------|--------------|--------------|
| Bandwidth  |            | 1.4 MHz  | Power      |                      | 19.90 dBm    |              |
| Start [Hz] | Stop [Hz]  | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]         | PwrRel [dBc] | Δ Limit [dB] |
| -2.500 M   | -700.000 k | 100.00 k | 1.753595 G | -25.56               | -45.47       | -325.56      |
| 700.000 k  | 1.700 M    | 20.00 k  | 1.755000 G | -22.75               | -42.66       | -9.75        |
| 1.700 M    | 2.500 M    | 1.00 M   | 1.756031 G | -31.54               | -51.45       | -18.54       |

Date: 6.AUG.2020 19:36:15

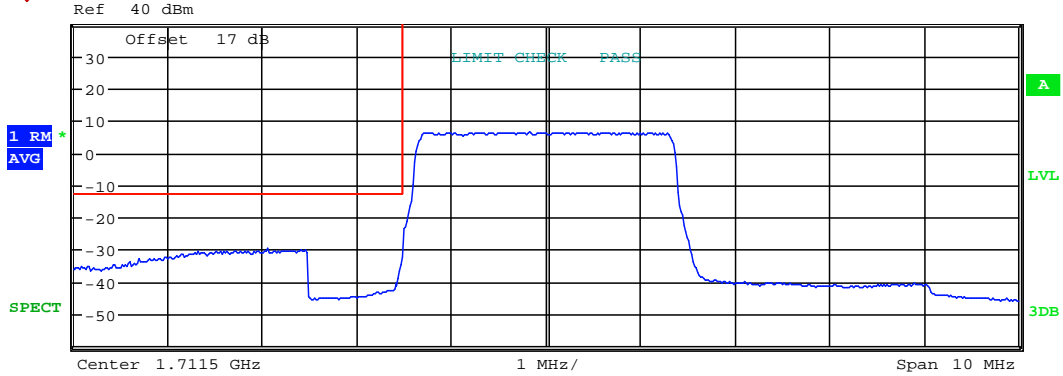


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

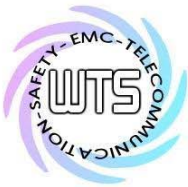
FCC ID: GX9CTC1052QT

3MHz



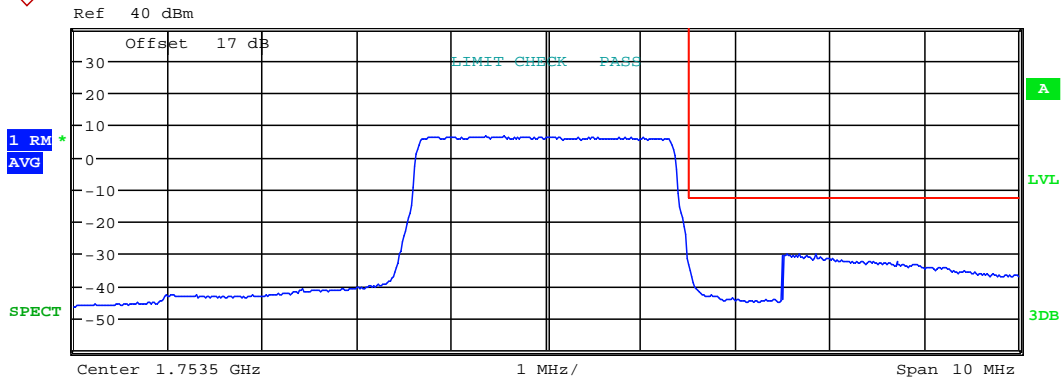
| Tx Channel |           |          |            | BW_3_MHz_lower UL |              |             |
|------------|-----------|----------|------------|-------------------|--------------|-------------|
| Bandwidth  |           | 3 MHz    | Power      |                   | 19.84 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]      | PwrRel [dBc] | ΔLimit [dB] |
| -5.000 M   | -2.500 M  | 1.00 M   | 1.708551 G | -30.06            | -49.90       | -17.06      |
| -2.500 M   | -1.500 M  | 30.00 k  | 1.709978 G | -32.59            | -52.42       | -19.59      |
| 1.500 M    | 5.000 M   | 100.00 k | 1.713006 G | -26.72            | -46.56       | -326.72     |

Date: 6.AUG.2020 19:40:11



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_3_MHz_higher UL |              |              |
|------------|-----------|----------|------------|--------------------|--------------|--------------|
| Bandwidth  |           | 3 MHz    | Power      |                    | 19.75 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -5.000 M   | -1.500 M  | 100.00 k | 1.751978 G | -26.44             | -46.19       | -326.44      |
| 1.500 M    | 2.500 M   | 30.00 k  | 1.755006 G | -32.13             | -51.88       | -19.13       |
| 2.500 M    | 5.000 M   | 1.00 M   | 1.756048 G | -30.22             | -49.97       | -17.22       |

Date: 6.AUG.2020 19:40:58

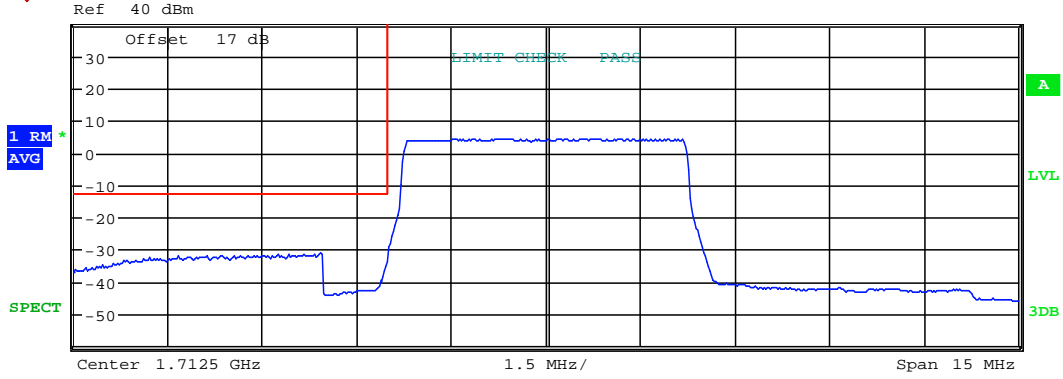


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

5MHz



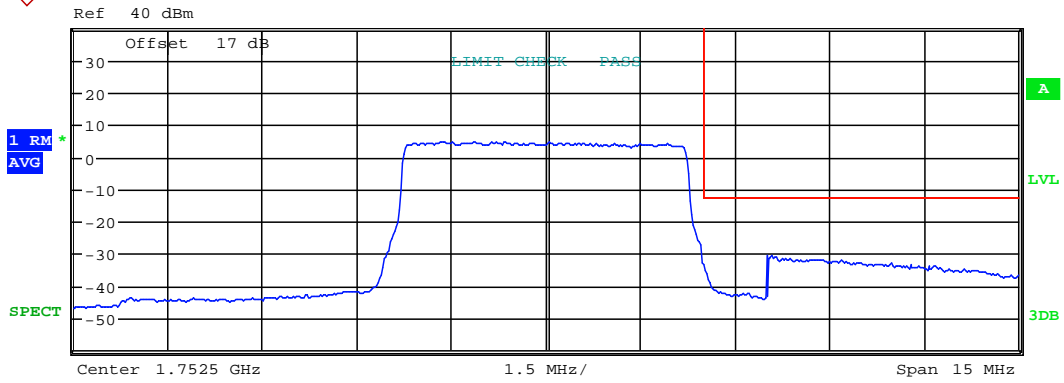
| Tx Channel |           |          |            | BW_5_MHz_lower UL |              |             |
|------------|-----------|----------|------------|-------------------|--------------|-------------|
| Bandwidth  |           | 5 MHz    | Power      |                   | 20.07 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]      | PwrRel [dBc] | ΔLimit [dB] |
| -7.500 M   | -3.500 M  | 1.00 M   | 1.708918 G | -31.27            | -51.34       | -18.27      |
| -3.500 M   | -2.500 M  | 50.00 k  | 1.709976 G | -33.81            | -53.88       | -20.81      |
| 2.500 M    | 7.500 M   | 100.00 k | 1.715000 G | -29.93            | -49.99       | -329.93     |

Date: 6.AUG.2020 19:49:55



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_5_MHz_higher UL |              |              |
|------------|-----------|----------|------------|--------------------|--------------|--------------|
| Bandwidth  |           | 5 MHz    | Power      |                    | 20.03 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -7.500 M   | -2.500 M  | 100.00 k | 1.749976 G | -29.86             | -49.89       | -329.86      |
| 2.500 M    | 3.500 M   | 50.00 k  | 1.755000 G | -33.27             | -53.30       | -20.27       |
| 3.500 M    | 7.500 M   | 1.00 M   | 1.756082 G | -30.83             | -50.86       | -17.83       |

Date: 6.AUG.2020 19:50:55

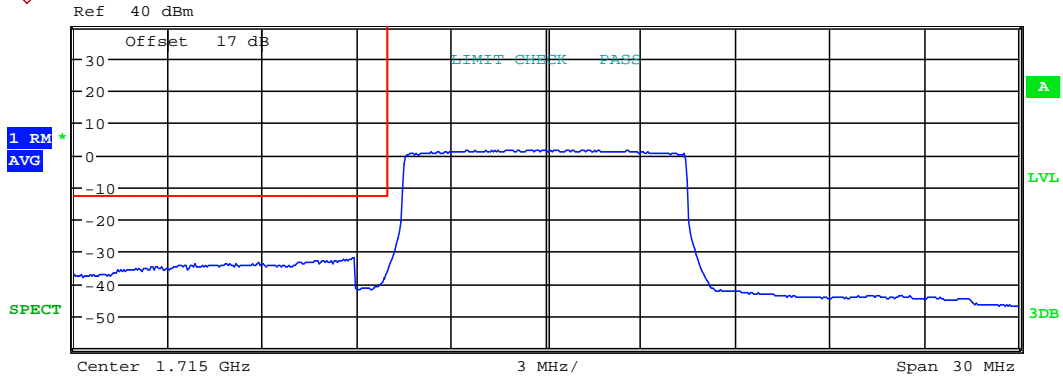


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

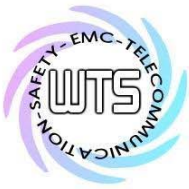
FCC ID: GX9CTC1052QT

10MHz

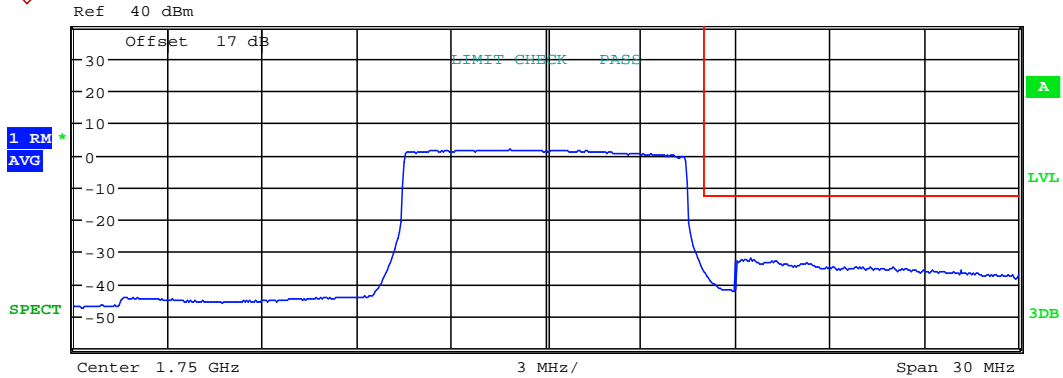


| Tx Channel |           |          |            | BW_10_MHz_lower UL |              |             |
|------------|-----------|----------|------------|--------------------|--------------|-------------|
| Bandwidth  |           | 10 MHz   | Power      |                    | 20.06 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | ΔLimit [dB] |
| -15.000 M  | -6.000 M  | 1.00 M   | 1.708846 G | -32.09             | -52.15       | -19.09      |
| -6.000 M   | -5.000 M  | 100.00 k | 1.709952 G | -36.10             | -56.16       | -23.10      |
| 5.000 M    | 15.000 M  | 100.00 k | 1.720000 G | -36.84             | -56.90       | -336.84     |

Date: 6.AUG.2020 19:53:02



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_10_MHz_higher UL |              |              |
|------------|-----------|----------|------------|---------------------|--------------|--------------|
| Bandwidth  |           | 10 MHz   | Power      |                     | 20.08 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]        | PwrRel [dBc] | Δ Limit [dB] |
| -15.000 M  | -5.000 M  | 100.00 k | 1.744952 G | -35.71              | -55.79       | -335.71      |
| 5.000 M    | 6.000 M   | 100.00 k | 1.755000 G | -35.90              | -55.98       | -22.90       |
| 6.000 M    | 15.000 M  | 1.00 M   | 1.756490 G | -32.28              | -52.36       | -19.28       |

Date: 6.AUG.2020 19:55:23

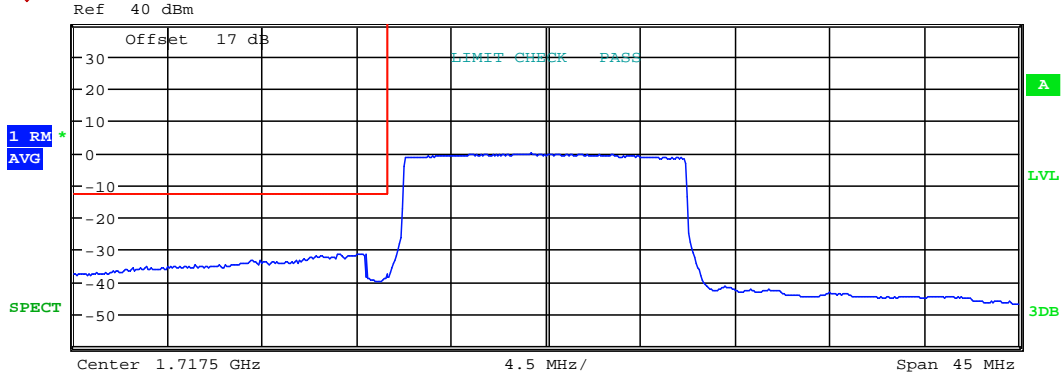


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

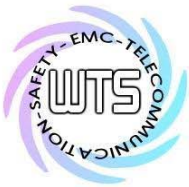
15MHz



| Tx Channel |           |          |            | BW_15_MHz_lower UL |              |             |
|------------|-----------|----------|------------|--------------------|--------------|-------------|
| Bandwidth  |           | 15 MHz   | Power      |                    | 19.93 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | ΔLimit [dB] |
| -22.500 M  | -8.500 M  | 1.00 M   | 1.708918 G | -31.52             | -51.44       | -18.52      |
| -8.500 M   | -7.500 M  | 150.00 k | 1.709928 G | -37.96             | -57.89       | -24.96      |
| 7.500 M    | 22.500 M  | 100.00 k | 1.725000 G | -40.05             | -59.97       | -340.05     |

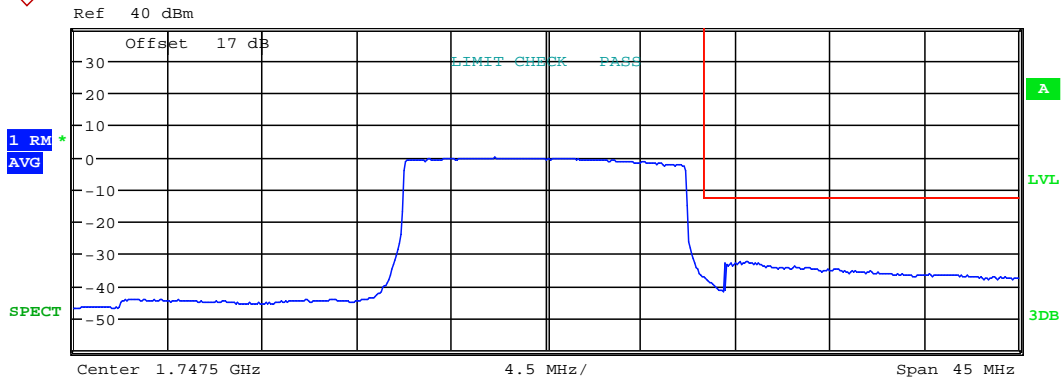
Date: 6.AUG.2020 19:56:51





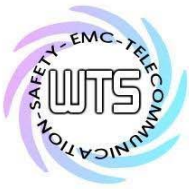
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |          |          |            | BW_15_MHz_higher UL |                     |         |  |
|------------|----------|----------|------------|---------------------|---------------------|---------|--|
| Bandwidth  |          |          | Power      |                     | BW_15_MHz_higher UL |         |  |
| Start      | Stop     | RBW      | Freq       | PwrAbs              | PwrRel              | Δ Limit |  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]       | [dBm]               | [dBc]               | [dB]    |  |
| -22.500 M  | -7.500 M | 100.00 k | 1.739928 G | -39.16              | -59.10              | -339.16 |  |
| 7.500 M    | 8.500 M  | 150.00 k | 1.755000 G | -36.72              | -56.66              | -23.72  |  |
| 8.500 M    | 22.500 M | 1.00 M   | 1.757091 G | -32.38              | -52.32              | -19.38  |  |

Date: 6.AUG.2020 20:00:37

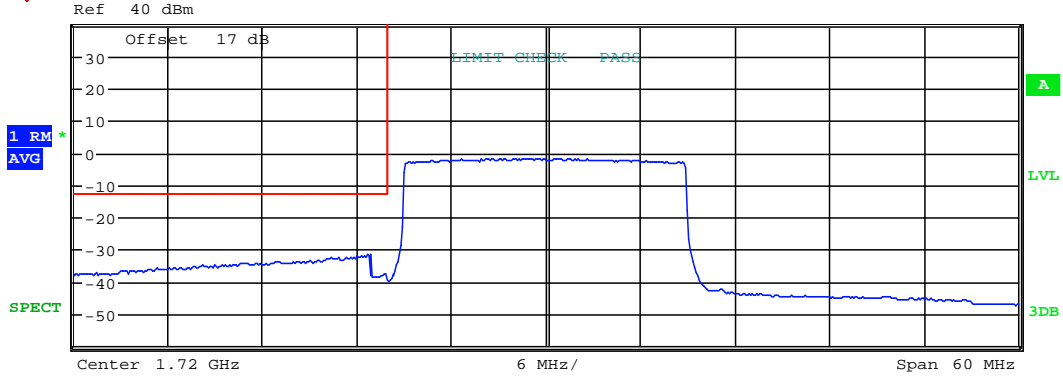


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

20MHz

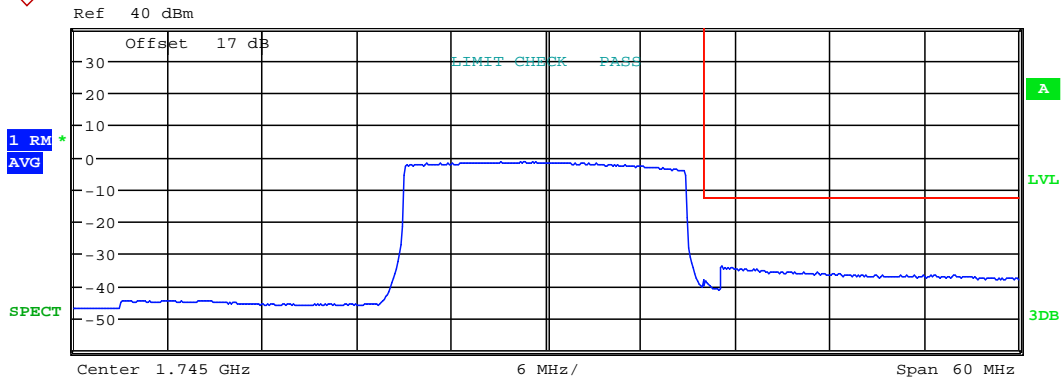


| Tx Channel |           |          |            | BW_20_MHz_lower UL |              |             |
|------------|-----------|----------|------------|--------------------|--------------|-------------|
| Bandwidth  |           | 20 MHz   | Power      |                    | 19.73 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | ΔLimit [dB] |
| -30.000 M  | -11.000 M | 1.00 M   | 1.708846 G | -31.61             | -51.34       | -18.61      |
| -11.000 M  | -10.000 M | 200.00 k | 1.709904 G | -37.48             | -57.21       | -24.48      |
| 10.000 M   | 30.000 M  | 100.00 k | 1.730000 G | -41.52             | -61.25       | -341.52     |

Date: 6.AUG.2020 20:02:35



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_20_MHz_higher UL |           |         |
|------------|-----------|----------|------------|---------------------|-----------|---------|
| Bandwidth  |           | 20 MHz   | Power      |                     | 19.81 dBm |         |
| Start      | Stop      | RBW      | Freq       | PwrAbs              | PwrRel    | Δ Limit |
| [Hz]       | [Hz]      | [Hz]     | [Hz]       | [dBm]               | [dBc]     | [dB]    |
| -30.000 M  | -10.000 M | 100.00 k | 1.734904 G | -42.65              | -62.46    | -342.65 |
| 10.000 M   | 11.000 M  | 200.00 k | 1.755000 G | -38.01              | -57.81    | -25.01  |
| 11.000 M   | 30.000 M  | 1.00 M   | 1.756154 G | -33.90              | -53.71    | -20.90  |

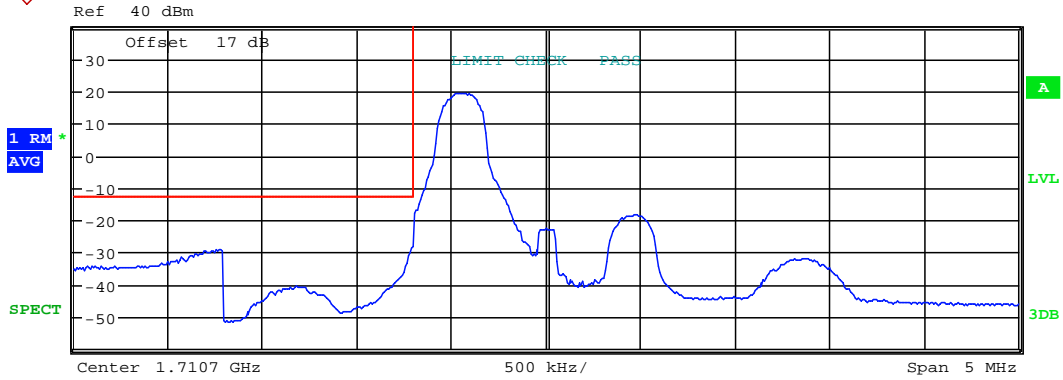
Date: 6.AUG.2020 20:05:32



# Worldwide Testing Services(Taiwan) Co., Ltd.

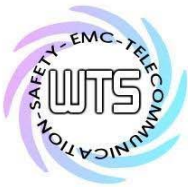
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

1RB  
 1.4MHz



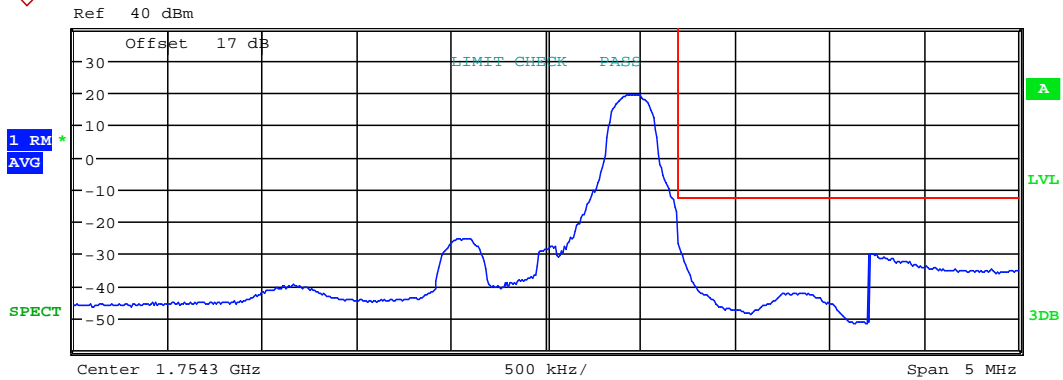
| Tx Channel |            |          |            | BW_1_4_MHz_lower UL |              |             |  |
|------------|------------|----------|------------|---------------------|--------------|-------------|--|
| Bandwidth  |            | 1.4 MHz  |            | Power               |              | 21.27 dBm   |  |
| Start [Hz] | Stop [Hz]  | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]        | PwrRel [dBc] | ΔLimit [dB] |  |
| -2.500 M   | -1.700 M   | 1.00 M   | 1.708977 G | -29.03              | -50.30       | -16.03      |  |
| -1.700 M   | -700.000 k | 20.00 k  | 1.709995 G | -28.16              | -49.43       | -15.16      |  |
| 700.000 k  | 2.500 M    | 100.00 k | 1.712054 G | -31.83              | -53.10       | -331.83     |  |

Date: 6.AUG.2020 19:34:48



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
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| Tx Channel |            |          |            | BW_1_4_MHz_higher UL |           |         |
|------------|------------|----------|------------|----------------------|-----------|---------|
| Bandwidth  |            | 1.4 MHz  | Power      |                      | 21.23 dBm |         |
| Start      | Stop       | RBW      | Freq       | PwrAbs               | PwrRel    | Δ Limit |
| [Hz]       | [Hz]       | [Hz]     | [Hz]       | [dBm]                | [dBc]     | [dB]    |
| -2.500 M   | -700.000 k | 100.00 k | 1.752962 G | -39.81               | -61.04    | -339.81 |
| 700.000 k  | 1.700 M    | 20.00 k  | 1.755000 G | -17.29               | -38.52    | -4.29   |
| 1.700 M    | 2.500 M    | 1.00 M   | 1.756023 G | -30.22               | -51.45    | -17.22  |

Date: 6.AUG.2020 19:36:45

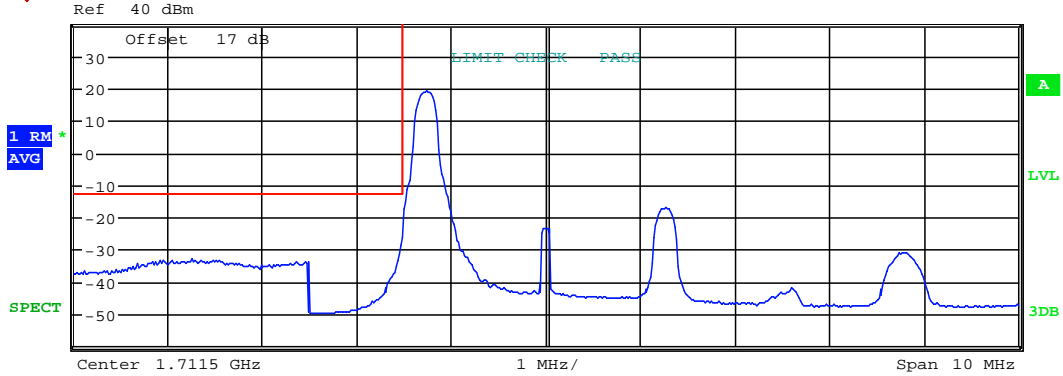


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz



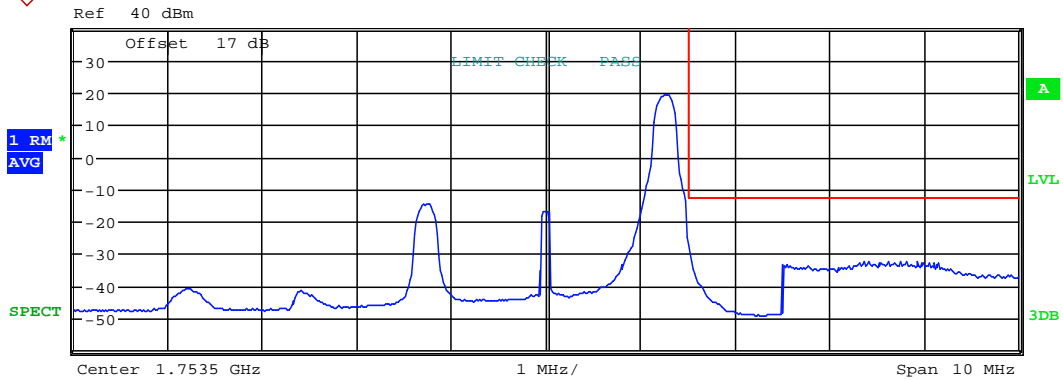
| Tx Channel |           |          |            | BW_3_MHz_lower UL |              |             |
|------------|-----------|----------|------------|-------------------|--------------|-------------|
| Bandwidth  |           | 3 MHz    | Power      |                   | 21.05 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]      | PwrRel [dBc] | ΔLimit [dB] |
| -5.000 M   | -2.500 M  | 1.00 M   | 1.707750 G | -33.15            | -54.20       | -20.15      |
| -2.500 M   | -1.500 M  | 30.00 k  | 1.709978 G | -26.61            | -47.66       | -13.61      |
| 1.500 M    | 5.000 M   | 100.00 k | 1.715282 G | -31.10            | -52.15       | -331.10     |

Date: 6.AUG.2020 19:39:21



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_3_MHz_higher UL |              |              |
|------------|-----------|----------|------------|--------------------|--------------|--------------|
| Bandwidth  |           | 3 MHz    | Power      |                    | 21.25 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -5.000 M   | -1.500 M  | 100.00 k | 1.749702 G | -41.01             | -62.26       | -341.01      |
| 1.500 M    | 2.500 M   | 30.00 k  | 1.755006 G | -25.27             | -46.53       | -12.27       |
| 2.500 M    | 5.000 M   | 1.00 M   | 1.756913 G | -32.40             | -53.65       | -19.40       |

Date: 6.AUG.2020 19:41:20

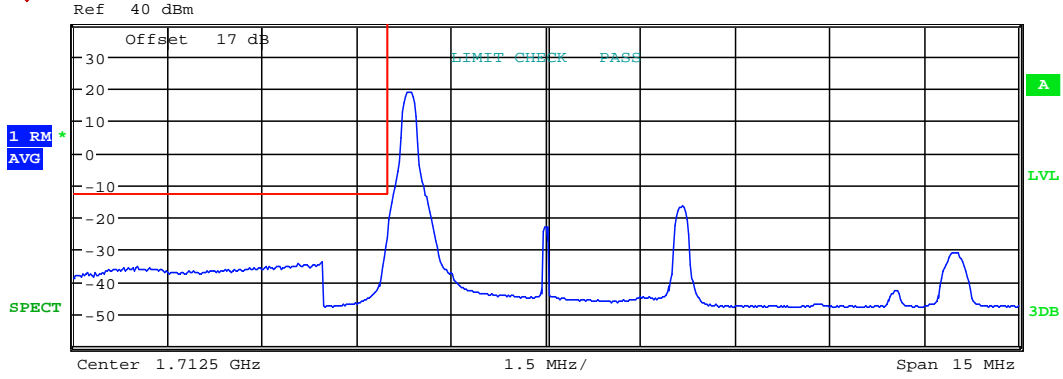


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

5MHz



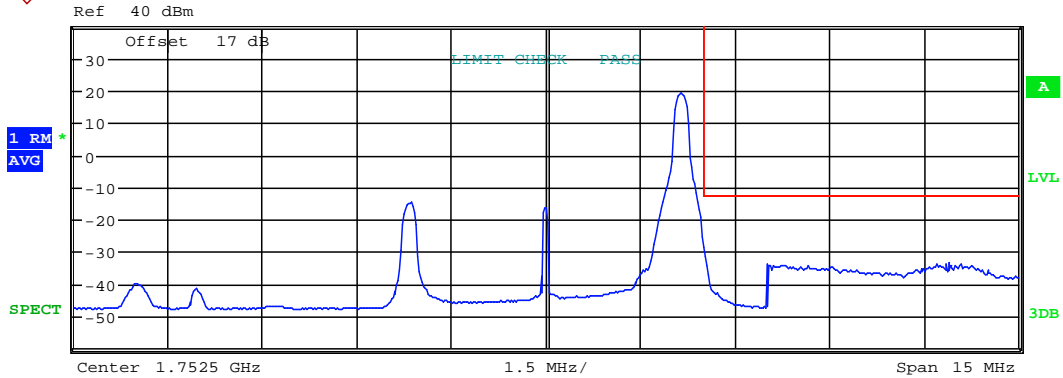
| Tx Channel |           |          |            | BW_5_MHz_lower UL |              |             |
|------------|-----------|----------|------------|-------------------|--------------|-------------|
| Bandwidth  |           | 5 MHz    | Power      |                   | 20.98 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]      | PwrRel [dBc] | ΔLimit [dB] |
| -7.500 M   | -3.500 M  | 1.00 M   | 1.708966 G | -34.33            | -55.31       | -21.33      |
| -3.500 M   | -2.500 M  | 50.00 k  | 1.709976 G | -26.26            | -47.24       | -13.26      |
| 2.500 M    | 7.500 M   | 100.00 k | 1.719014 G | -30.96            | -51.94       | -330.96     |

Date: 6.AUG.2020 19:49:01





Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_5_MHz_higher UL |              |              |
|------------|-----------|----------|------------|--------------------|--------------|--------------|
| Bandwidth  |           | 5 MHz    | Power      |                    | 21.22 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -7.500 M   | -2.500 M  | 100.00 k | 1.745986 G | -40.09             | -61.31       | -340.09      |
| 2.500 M    | 3.500 M   | 50.00 k  | 1.755000 G | -26.02             | -47.24       | -13.02       |
| 3.500 M    | 7.500 M   | 1.00 M   | 1.758894 G | -33.61             | -54.83       | -20.61       |

Date: 6.AUG.2020 19:51:23

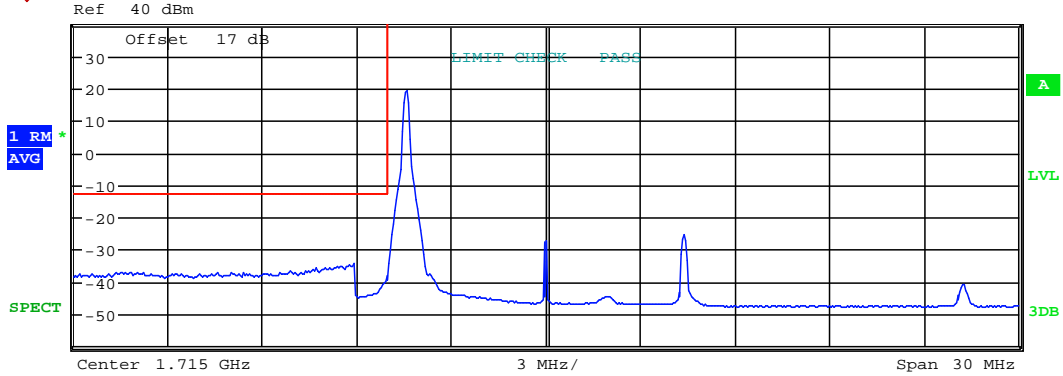


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

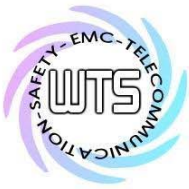
FCC ID: GX9CTC1052QT

10MHz

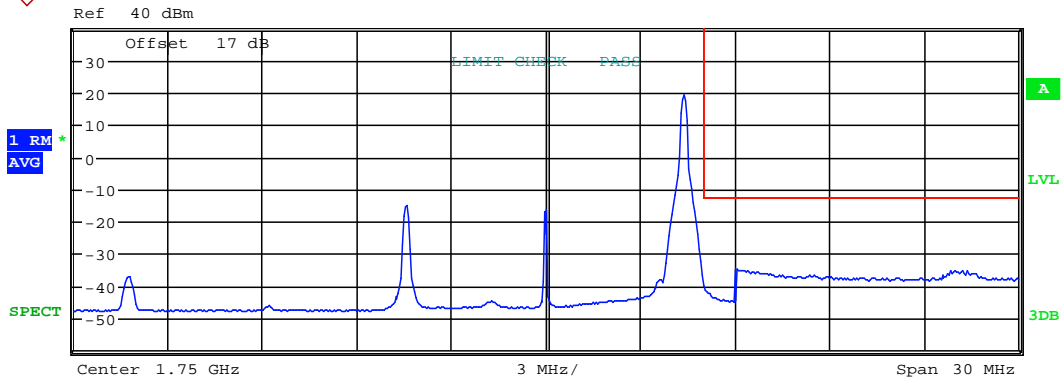


| Tx Channel |          |          |            | BW_10_MHz_lower UL |        |         |
|------------|----------|----------|------------|--------------------|--------|---------|
| Bandwidth  |          |          |            | Power              |        |         |
| Start      | Stop     | RBW      | Freq       | PwrAbs             | PwrRel | ΔLimit  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]       | [dBm]              | [dBc]  | [dB]    |
| -15.000 M  | -6.000 M | 1.00 M   | 1.708894 G | -34.59             | -55.76 | -21.59  |
| -6.000 M   | -5.000 M | 100.00 k | 1.709952 G | -38.00             | -59.16 | -25.00  |
| 5.000 M    | 15.000 M | 100.00 k | 1.728221 G | -41.07             | -62.23 | -341.07 |

Date: 6.AUG.2020 19:53:24



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_10_MHz_higher UL |              |              |
|------------|-----------|----------|------------|---------------------|--------------|--------------|
| Bandwidth  |           | 10 MHz   | Power      |                     | 21.24 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]  | PwrAbs [dBm]        | PwrRel [dBc] | Δ Limit [dB] |
| -15.000 M  | -5.000 M  | 100.00 k | 1.736731 G | -37.18              | -58.43       | -337.18      |
| 5.000 M    | 6.000 M   | 100.00 k | 1.755000 G | -37.18              | -58.42       | -24.18       |
| 6.000 M    | 15.000 M  | 1.00 M   | 1.756058 G | -34.92              | -56.16       | -21.92       |

Date: 6.AUG.2020 19:54:48

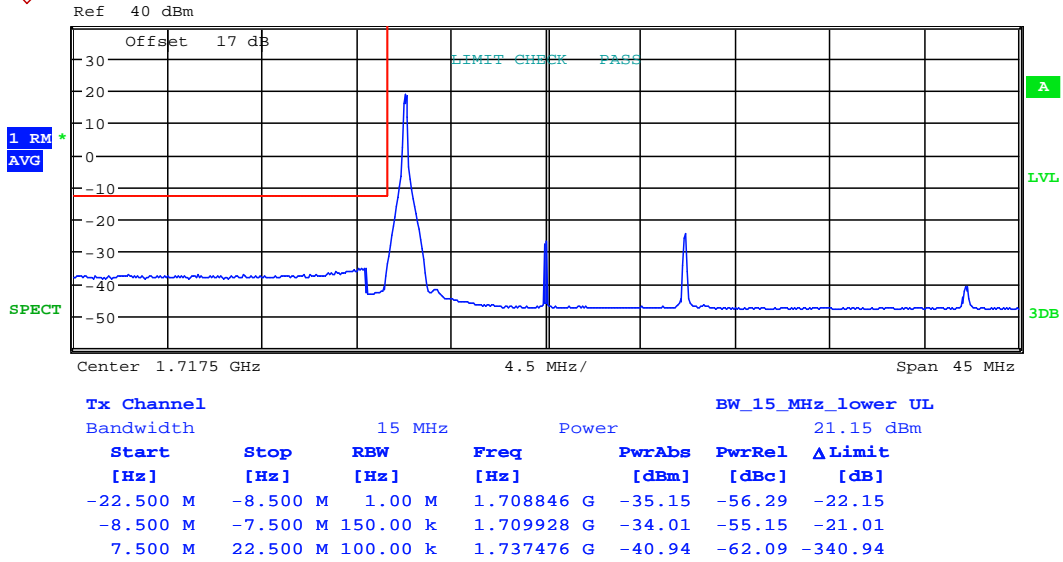


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

15MHz

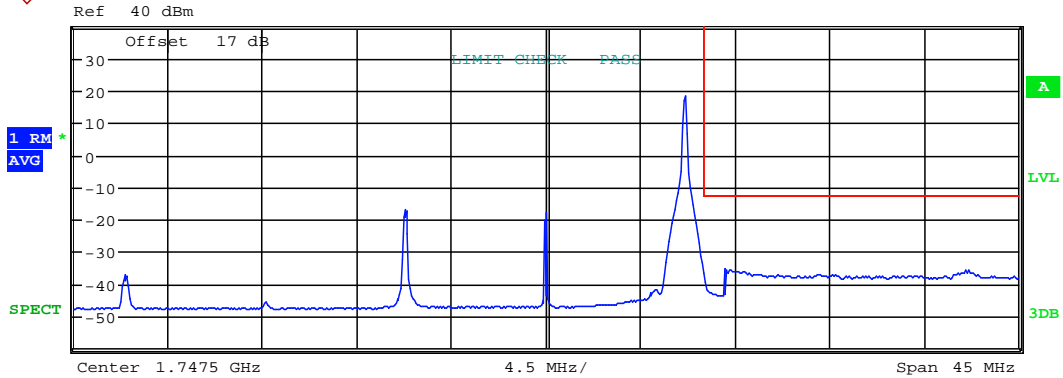


Date: 6.AUG.2020 19:57:21



# Worldwide Testing Services(Taiwan) Co., Ltd.

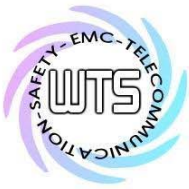
Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



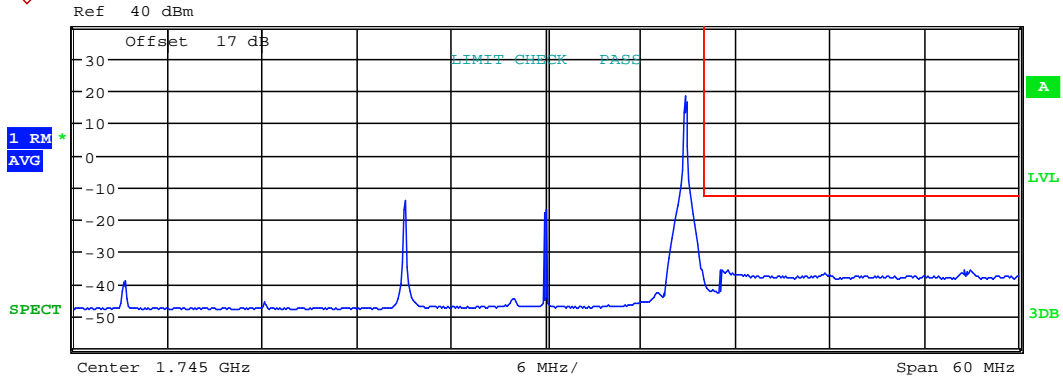
| Tx Channel |          |          |            | BW_15_MHz_higher UL |           |         |
|------------|----------|----------|------------|---------------------|-----------|---------|
| Bandwidth  |          | 15 MHz   | Power      |                     | 20.65 dBm |         |
| Start      | Stop     | RBW      | Freq       | PwrAbs              | PwrRel    | Δ Limit |
| [Hz]       | [Hz]     | [Hz]     | [Hz]       | [dBm]               | [dBc]     | [dB]    |
| -22.500 M  | -7.500 M | 100.00 k | 1.727452 G | -37.35              | -58.00    | -337.35 |
| 7.500 M    | 8.500 M  | 150.00 k | 1.755000 G | -34.02              | -54.67    | -21.02  |
| 8.500 M    | 22.500 M | 1.00 M   | 1.756082 G | -35.63              | -56.28    | -22.63  |

Date: 6.AUG.2020 19:59:30



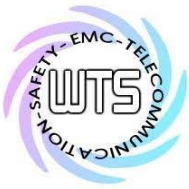


Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |            | BW_20_MHz_higher UL |           |         |
|------------|-----------|----------|------------|---------------------|-----------|---------|
| Bandwidth  |           | 20 MHz   | Power      |                     | 20.87 dBm |         |
| Start      | Stop      | RBW      | Freq       | PwrAbs              | PwrRel    | Δ Limit |
| [Hz]       | [Hz]      | [Hz]     | [Hz]       | [dBm]               | [dBc]     | [dB]    |
| -30.000 M  | -10.000 M | 100.00 k | 1.718269 G | -39.21              | -60.09    | -339.21 |
| 10.000 M   | 11.000 M  | 200.00 k | 1.755000 G | -35.85              | -56.72    | -22.85  |
| 11.000 M   | 30.000 M  | 1.00 M   | 1.756154 G | -35.59              | -56.46    | -22.59  |

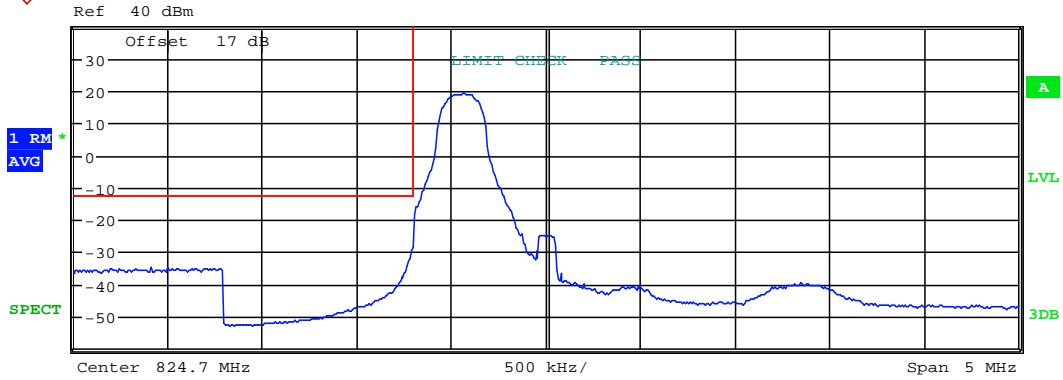
Date: 6.AUG.2020 20:04:59



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

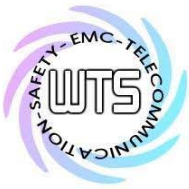
Band V  
 16QAM  
 1RB  
 1.4MHz



| Tx Channel |            |          |              | BW_1_4_MHz_lower UL |              |             |
|------------|------------|----------|--------------|---------------------|--------------|-------------|
| Bandwidth  |            | 1.4 MHz  | Power        |                     | 21.18 dBm    |             |
| Start [Hz] | Stop [Hz]  | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]        | PwrRel [dBc] | ΔLimit [dB] |
| -2.500 M   | -1.700 M   | 1.00 M   | 822.608654 M | -34.85              | -56.03       | -21.85      |
| -1.700 M   | -700.000 k | 20.00 k  | 823.994872 M | -28.60              | -49.78       | -15.60      |
| 700.000 k  | 2.500 M    | 100.00 k | 826.046154 M | -39.78              | -60.96       | -339.78     |

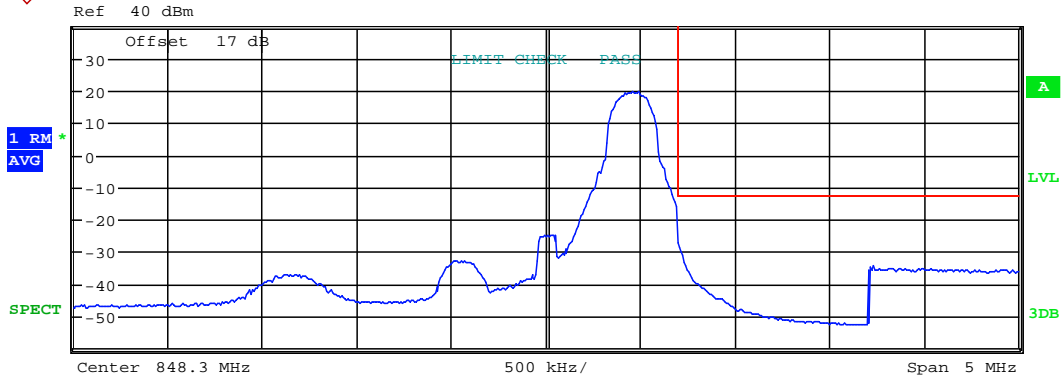
Date: 6.AUG.2020 20:08:38





# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |            |          |              | BW_1_4_MHz_higher UL |           |         |
|------------|------------|----------|--------------|----------------------|-----------|---------|
| Bandwidth  |            | 1.4 MHz  | Power        |                      | 21.29 dBm |         |
| Start      | Stop       | RBW      | Freq         | PwrAbs               | PwrRel    | ΔLimit  |
| [Hz]       | [Hz]       | [Hz]     | [Hz]         | [dBm]                | [dBc]     | [dB]    |
| -2.500 M   | -700.000 k | 100.00 k | 846.969872 M | -37.00               | -58.30    | -337.00 |
| 700.000 k  | 1.700 M    | 20.00 k  | 849.000000 M | -17.11               | -38.41    | -4.11   |
| 1.700 M    | 2.500 M    | 1.00 M   | 850.030769 M | -34.18               | -55.48    | -21.18  |

Date: 6.AUG.2020 20:12:40

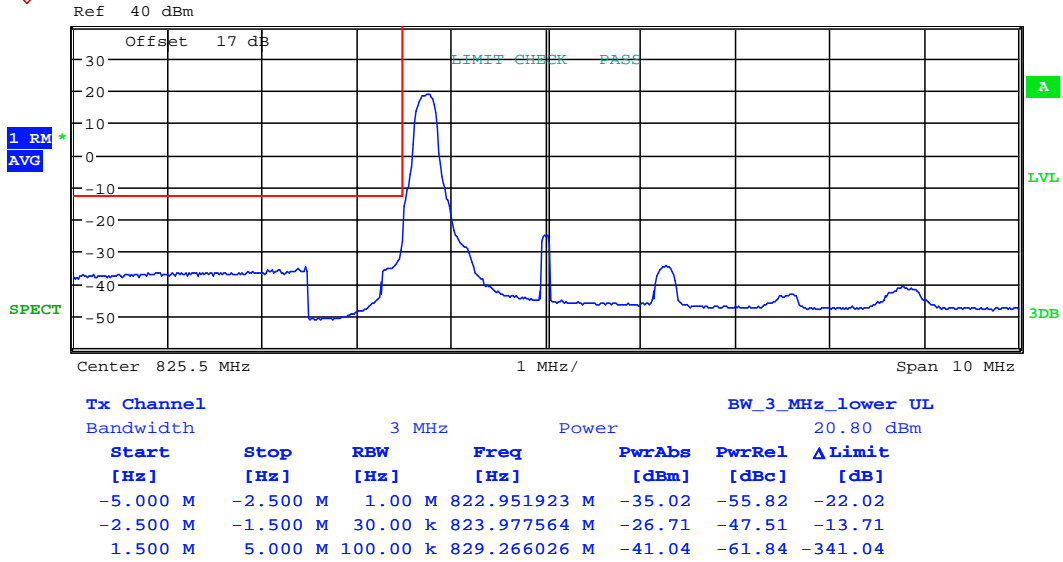


# Worldwide Testing Services(Taiwan) Co., Ltd.

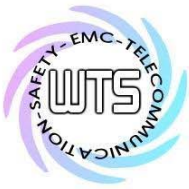
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

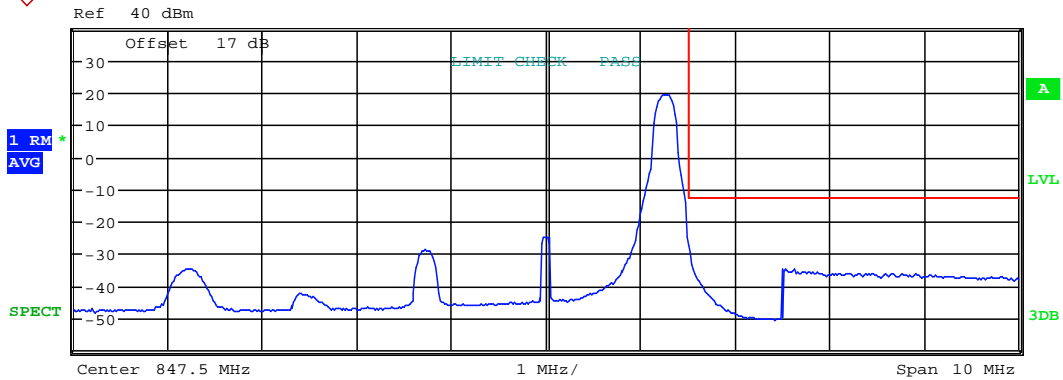
3MHz



Date: 6.AUG.2020 20:15:02



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |              | BW_3_MHz_higher UL |              |              |
|------------|-----------|----------|--------------|--------------------|--------------|--------------|
| Bandwidth  |           | 3 MHz    | Power        |                    | 21.28 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -5.000 M   | -1.500 M  | 100.00 k | 843.701923 M | -34.77             | -56.05       | -334.77      |
| 1.500 M    | 2.500 M   | 30.00 k  | 849.006410 M | -25.33             | -46.61       | -12.33       |
| 2.500 M    | 5.000 M   | 1.00 M   | 850.032051 M | -35.01             | -56.30       | -22.01       |

Date: 6.AUG.2020 20:16:58

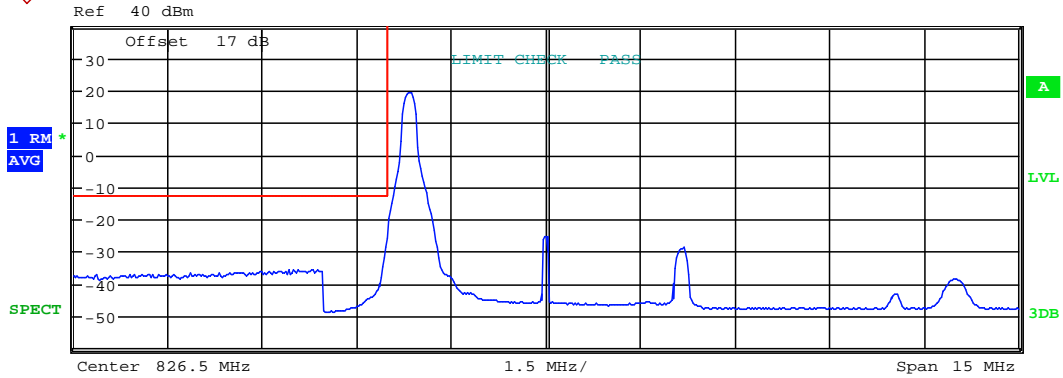


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

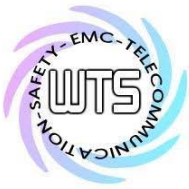
FCC ID: GX9CTC1052QT

5MHz



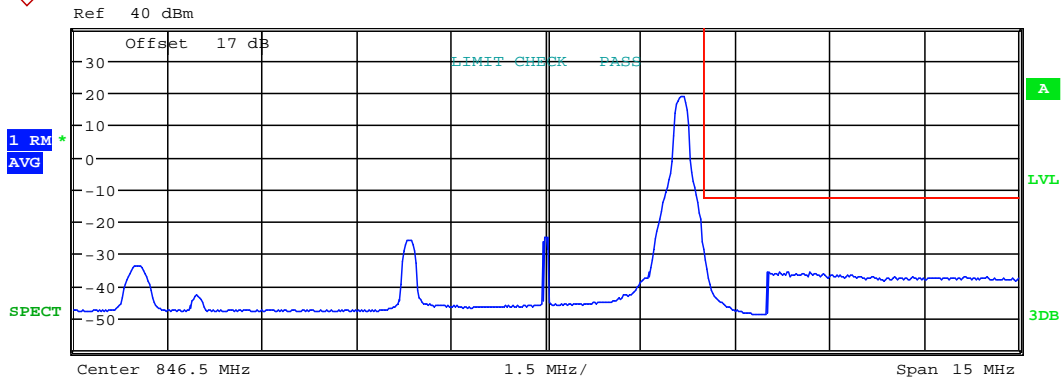
| Tx Channel |          |          |              | BW_5_MHz_lower UL |        |         |
|------------|----------|----------|--------------|-------------------|--------|---------|
| Bandwidth  |          |          |              | Power             |        |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs            | PwrRel | ΔLimit  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]             | [dBc]  | [dB]    |
| -7.500 M   | -3.500 M | 1.00 M   | 822.557692 M | -35.44            | -56.85 | -22.44  |
| -3.500 M   | -2.500 M | 50.00 k  | 823.975962 M | -26.17            | -47.58 | -13.17  |
| 2.500 M    | 7.500 M  | 100.00 k | 832.966346 M | -38.61            | -60.02 | -338.61 |

Date: 6.AUG.2020 20:17:56



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |          |          |              | BW_5_MHz_higher UL |        |         |
|------------|----------|----------|--------------|--------------------|--------|---------|
| Bandwidth  |          | 5 MHz    |              | Power              |        |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs             | PwrRel | Δ Limit |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]              | [dBc]  | [dB]    |
| -7.500 M   | -2.500 M | 100.00 k | 840.009615 M | -33.76             | -54.63 | -333.76 |
| 2.500 M    | 3.500 M  | 50.00 k  | 849.000000 M | -26.74             | -47.61 | -13.74  |
| 3.500 M    | 7.500 M  | 1.00 M   | 850.682692 M | -35.76             | -56.63 | -22.76  |

Date: 6.AUG.2020 20:19:53

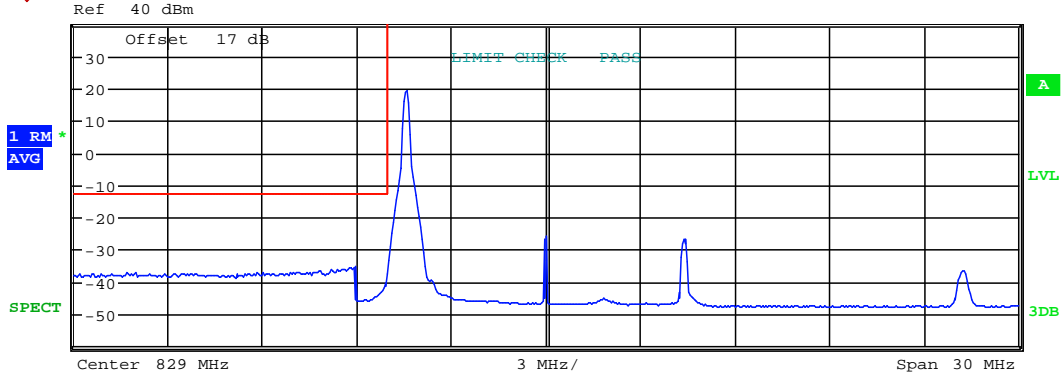


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

10MHz

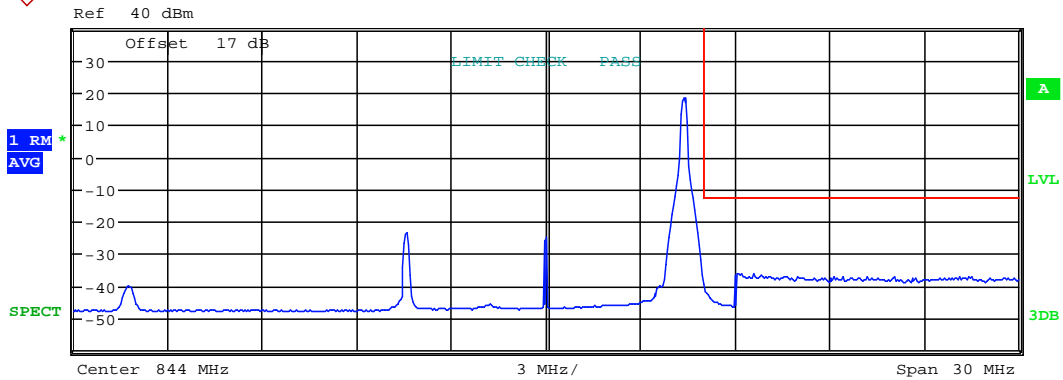


| Tx Channel |          |          |              | BW_10_MHz_lower UL |        |         |
|------------|----------|----------|--------------|--------------------|--------|---------|
| Bandwidth  |          |          |              | Power              |        |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs             | PwrRel | ΔLimit  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]              | [dBc]  | [dB]    |
| -15.000 M  | -6.000 M | 1.00 M   | 822.942308 M | -35.69             | -57.11 | -22.69  |
| -6.000 M   | -5.000 M | 100.00 k | 823.951923 M | -37.97             | -59.39 | -24.97  |
| 5.000 M    | 15.000 M | 100.00 k | 842.269231 M | -36.58             | -58.00 | -336.58 |

Date: 6.AUG.2020 20:22:51

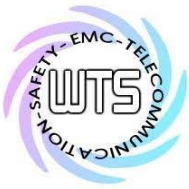


Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |              | BW_10_MHz_higher UL |              |              |
|------------|-----------|----------|--------------|---------------------|--------------|--------------|
| Bandwidth  |           | 10 MHz   | Power        |                     | 20.75 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]        | PwrRel [dBc] | Δ Limit [dB] |
| -15.000 M  | -5.000 M  | 100.00 k | 830.730769 M | -40.10              | -60.85       | -340.10      |
| 5.000 M    | 6.000 M   | 100.00 k | 849.000000 M | -37.26              | -58.01       | -24.26       |
| 6.000 M    | 15.000 M  | 1.00 M   | 850.057692 M | -36.21              | -56.96       | -23.21       |

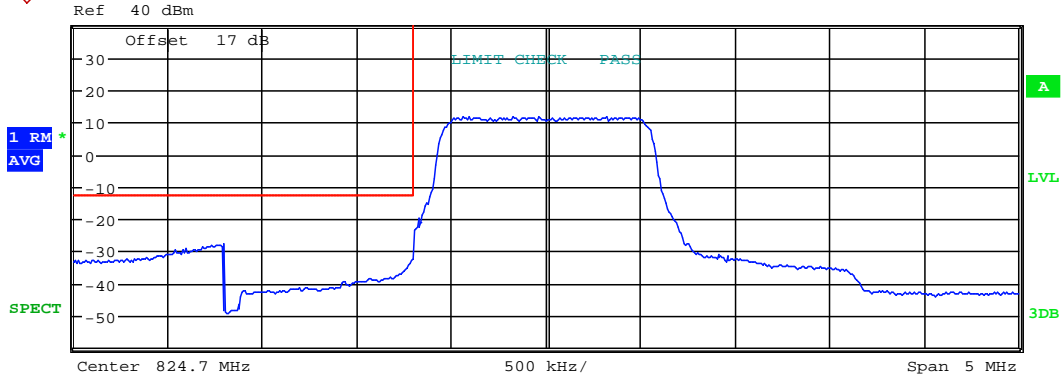
Date: 6.AUG.2020 20:23:39



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

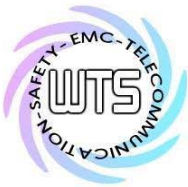
QPSK  
 FRB  
 1.4MHz



| Tx Channel |            |          |              | BW_1_4_MHz_lower UL |              |              |
|------------|------------|----------|--------------|---------------------|--------------|--------------|
| Bandwidth  |            | 1.4 MHz  |              | Power               |              | 20.97 dBm    |
| Start [Hz] | Stop [Hz]  | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]        | PwrRel [dBc] | Δ Limit [dB] |
| -2.500 M   | -1.700 M   | 1.00 M   | 822.993269 M | -27.87              | -48.84       | -14.87       |
| -1.700 M   | -700.000 k | 20.00 k  | 823.994872 M | -32.69              | -53.66       | -19.69       |
| 700.000 k  | 2.500 M    | 100.00 k | 825.400000 M | -21.90              | -42.87       | -321.90      |

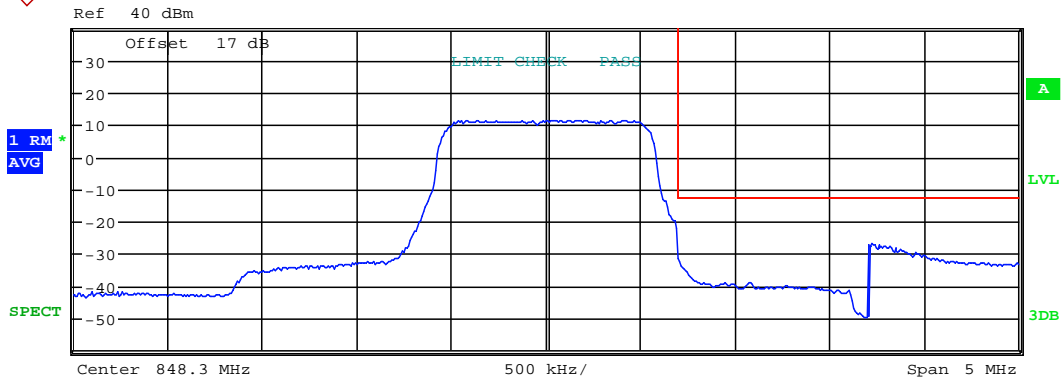
Date: 6.AUG.2020 20:10:14





# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |            |          |              | BW_1_4_MHz_higher UL |              |              |
|------------|------------|----------|--------------|----------------------|--------------|--------------|
| Bandwidth  |            | 1.4 MHz  | Power        |                      | 20.83 dBm    |              |
| Start [Hz] | Stop [Hz]  | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]         | PwrRel [dBc] | Δ Limit [dB] |
| -2.500 M   | -700.000 k | 100.00 k | 847.594872 M | -23.47               | -44.30       | -323.47      |
| 700.000 k  | 1.700 M    | 20.00 k  | 849.000000 M | -22.57               | -43.41       | -9.57        |
| 1.700 M    | 2.500 M    | 1.00 M   | 850.022756 M | -26.81               | -47.64       | -13.81       |

Date: 6.AUG.2020 20:11:46

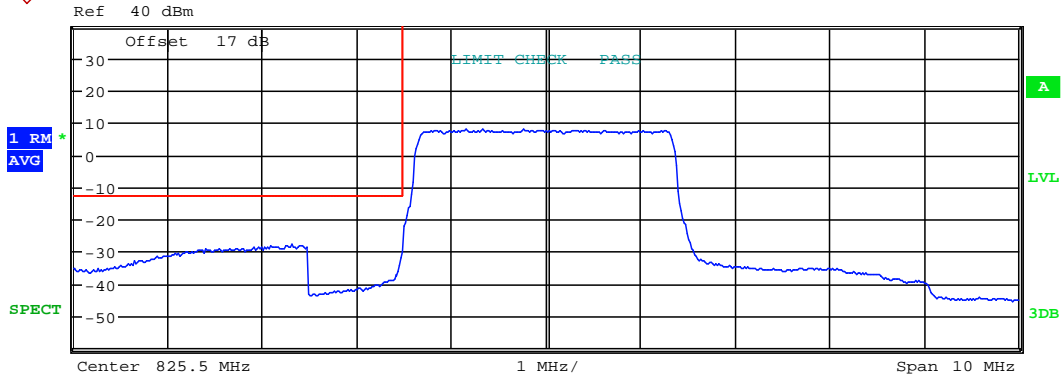


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz

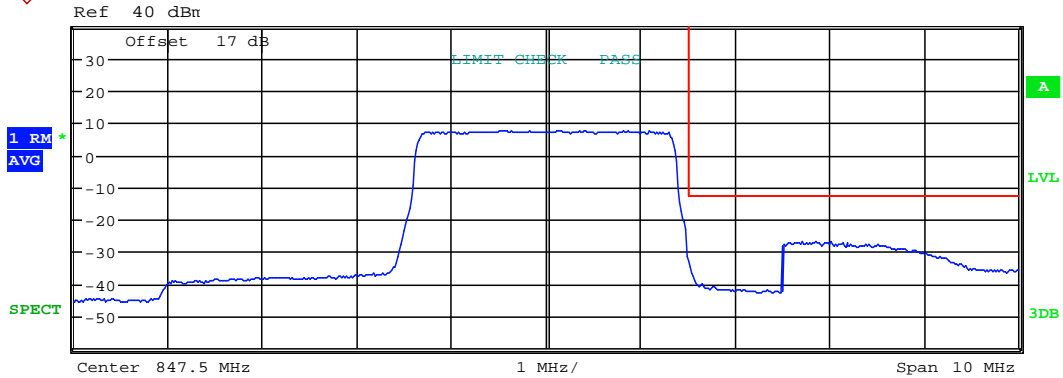


| Tx Channel |          |          |              | BW_3_MHz_lower UL |        |         |
|------------|----------|----------|--------------|-------------------|--------|---------|
| Bandwidth  |          |          |              | Power             |        |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs            | PwrRel | ΔLimit  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]             | [dBc]  | [dB]    |
| -5.000 M   | -2.500 M | 1.00 M   | 822.807692 M | -27.90            | -48.98 | -14.90  |
| -2.500 M   | -1.500 M | 30.00 k  | 823.977564 M | -30.27            | -51.35 | -17.27  |
| 1.500 M    | 5.000 M  | 100.00 k | 827.006410 M | -24.44            | -45.52 | -324.44 |

Date: 6.AUG.2020 20:15:43



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |          |          |              | BW_3_MHz_higher UL |           |         |
|------------|----------|----------|--------------|--------------------|-----------|---------|
| Bandwidth  |          | 3 MHz    | Power        |                    | 20.93 dBm |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs             | PwrRel    | Δ Limit |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]              | [dBc]     | [dB]    |
| -5.000 M   | -1.500 M | 100.00 k | 845.977564 M | -25.77             | -46.70    | -325.77 |
| 1.500 M    | 2.500 M  | 30.00 k  | 849.006410 M | -31.87             | -52.81    | -18.87  |
| 2.500 M    | 5.000 M  | 1.00 M   | 850.512821 M | -26.86             | -47.79    | -13.86  |

Date: 6.AUG.2020 20:16:18

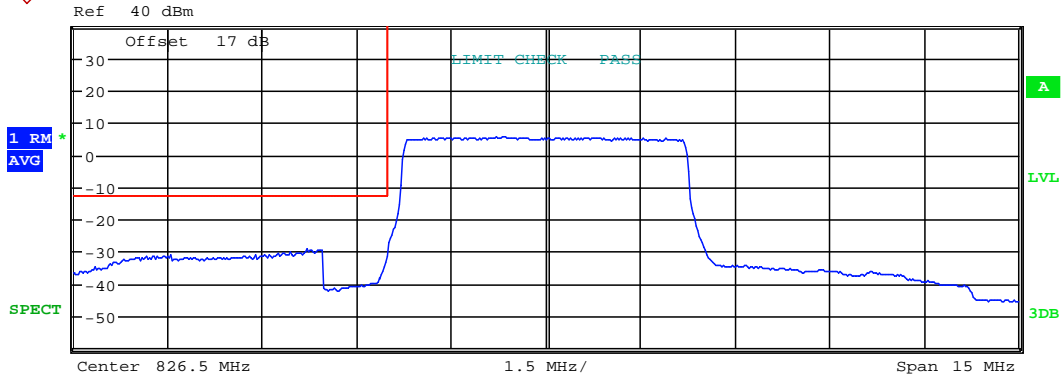


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

5MHz



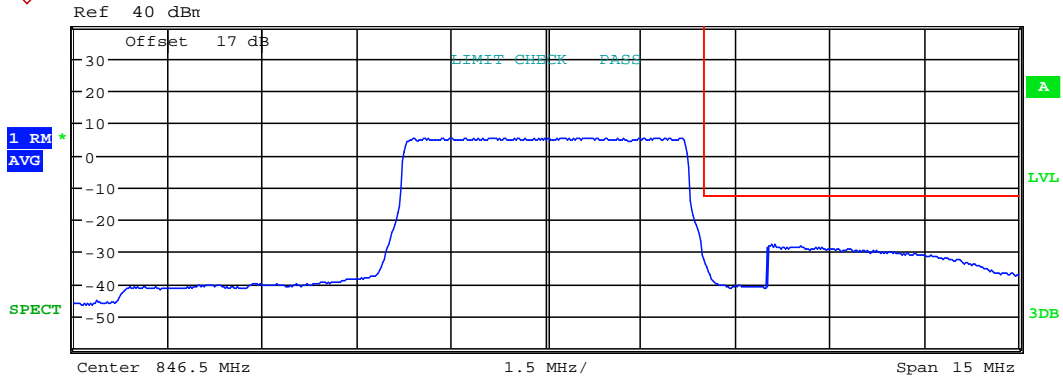
| Tx Channel |          |          |              | BW_5_MHz_lower UL |        |         |
|------------|----------|----------|--------------|-------------------|--------|---------|
| Bandwidth  |          |          |              | Power             |        |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs            | PwrRel | ΔLimit  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]             | [dBc]  | [dB]    |
| -7.500 M   | -3.500 M | 1.00 M   | 822.701923 M | -29.26            | -50.32 | -16.26  |
| -3.500 M   | -2.500 M | 50.00 k  | 823.975962 M | -31.80            | -52.85 | -18.80  |
| 2.500 M    | 7.500 M  | 100.00 k | 829.000000 M | -27.93            | -48.99 | -327.93 |

Date: 6.AUG.2020 20:18:31



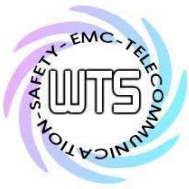
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |              | BW_5_MHz_higher UL |              |              |
|------------|-----------|----------|--------------|--------------------|--------------|--------------|
| Bandwidth  |           | 5 MHz    | Power        |                    | 21.00 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -7.500 M   | -2.500 M  | 100.00 k | 843.975962 M | -28.89             | -49.89       | -328.89      |
| 2.500 M    | 3.500 M   | 50.00 k  | 849.000000 M | -31.54             | -52.55       | -18.54       |
| 3.500 M    | 7.500 M   | 1.00 M   | 850.081731 M | -27.78             | -48.78       | -14.78       |

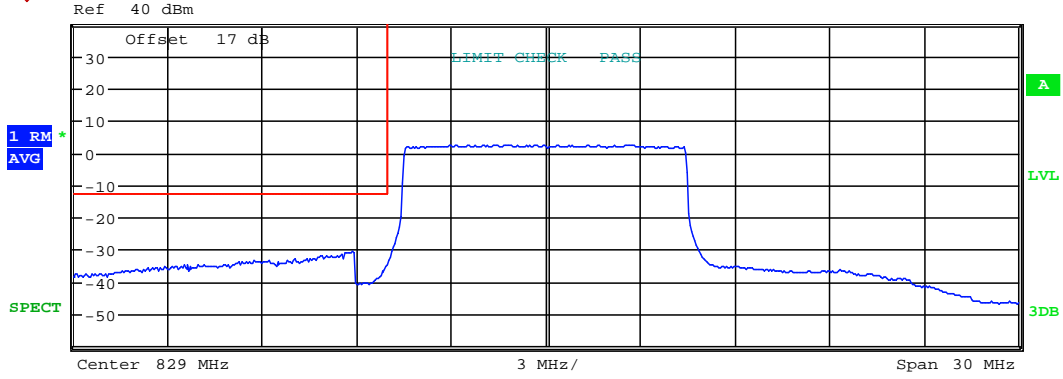
Date: 6.AUG.2020 20:19:09



Report Number: W6R22011-20409-P-247

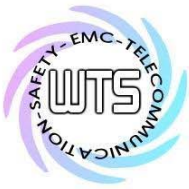
FCC ID: GX9CTC1052QT

10MHz

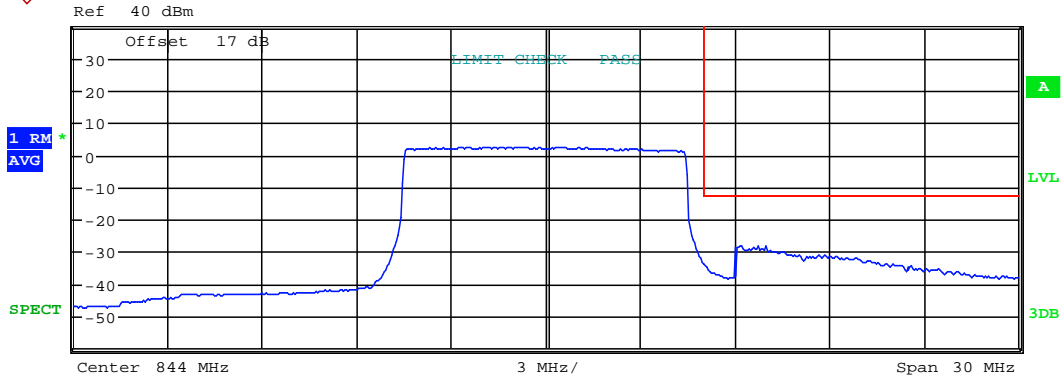


| Tx Channel |           |          |              | BW_10_MHz_lower UL |              |             |
|------------|-----------|----------|--------------|--------------------|--------------|-------------|
| Bandwidth  |           | 10 MHz   |              | Power              |              | 21.07 dBm   |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]       | PwrRel [dBc] | ΔLimit [dB] |
| -15.000 M  | -6.000 M  | 1.00 M   | 822.605769 M | -30.88             | -51.95       | -17.88      |
| -6.000 M   | -5.000 M  | 100.00 k | 823.951923 M | -34.82             | -55.89       | -21.82      |
| 5.000 M    | 15.000 M  | 100.00 k | 834.000000 M | -32.77             | -53.84       | -332.77     |

Date: 6.AUG.2020 20:22:05



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |              | BW_10_MHz_higher UL |              |              |
|------------|-----------|----------|--------------|---------------------|--------------|--------------|
| Bandwidth  |           | 10 MHz   | Power        |                     | 21.05 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]        | PwrRel [dBc] | Δ Limit [dB] |
| -15.000 M  | -5.000 M  | 100.00 k | 838.951923 M | -34.79              | -55.84       | -334.79      |
| 5.000 M    | 6.000 M   | 100.00 k | 849.000000 M | -33.78              | -54.82       | -20.78       |
| 6.000 M    | 15.000 M  | 1.00 M   | 850.730769 M | -28.39              | -49.44       | -15.39       |

Date: 6.AUG.2020 20:24:23



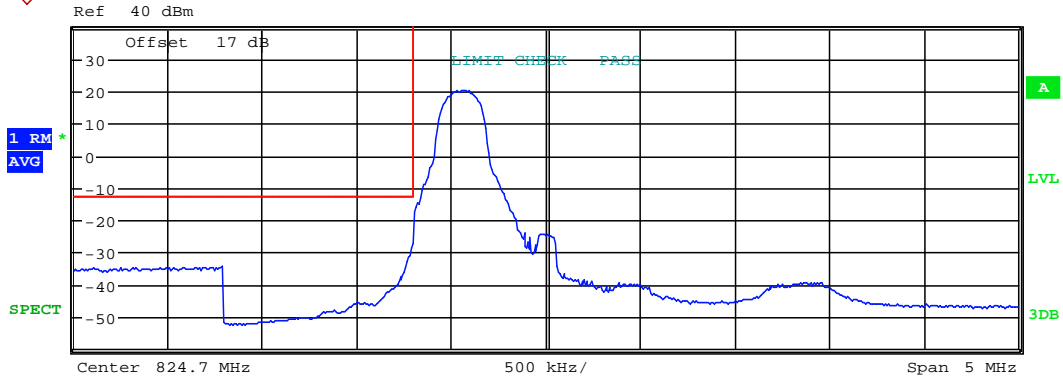
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

1RB

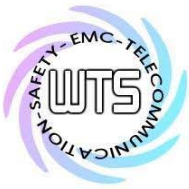
1.4MHz



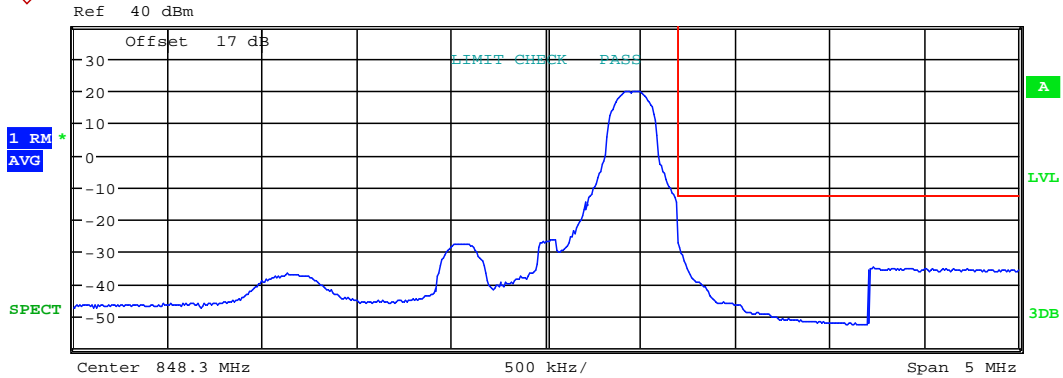
| Tx Channel |            |          |              | BW_1_4_MHz_lower UL |              |             |
|------------|------------|----------|--------------|---------------------|--------------|-------------|
| Bandwidth  |            | 1.4 MHz  | Power        |                     | 22.03 dBm    |             |
| Start [Hz] | Stop [Hz]  | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]        | PwrRel [dBc] | ΔLimit [dB] |
| -2.500 M   | -1.700 M   | 1.00 M   | 822.841026 M | -34.63              | -56.66       | -21.63      |
| -1.700 M   | -700.000 k | 20.00 k  | 823.994872 M | -27.26              | -49.29       | -14.26      |
| 700.000 k  | 2.500 M    | 100.00 k | 826.150321 M | -39.52              | -61.54       | -339.52     |

Date: 6.AUG.2020 20:09:05





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| Tx Channel |            |          |              | BW_1_4_MHz_higher UL |           |         |
|------------|------------|----------|--------------|----------------------|-----------|---------|
| Bandwidth  |            | 1.4 MHz  | Power        |                      | 21.74 dBm |         |
| Start      | Stop       | RBW      | Freq         | PwrAbs               | PwrRel    | Δ Limit |
| [Hz]       | [Hz]       | [Hz]     | [Hz]         | [dBm]                | [dBc]     | [dB]    |
| -2.500 M   | -700.000 k | 100.00 k | 846.929808 M | -36.94               | -58.68    | -336.94 |
| 700.000 k  | 1.700 M    | 20.00 k  | 849.000000 M | -15.52               | -37.26    | -2.52   |
| 1.700 M    | 2.500 M    | 1.00 M   | 850.030769 M | -35.06               | -56.80    | -22.06  |

Date: 6.AUG.2020 20:12:18

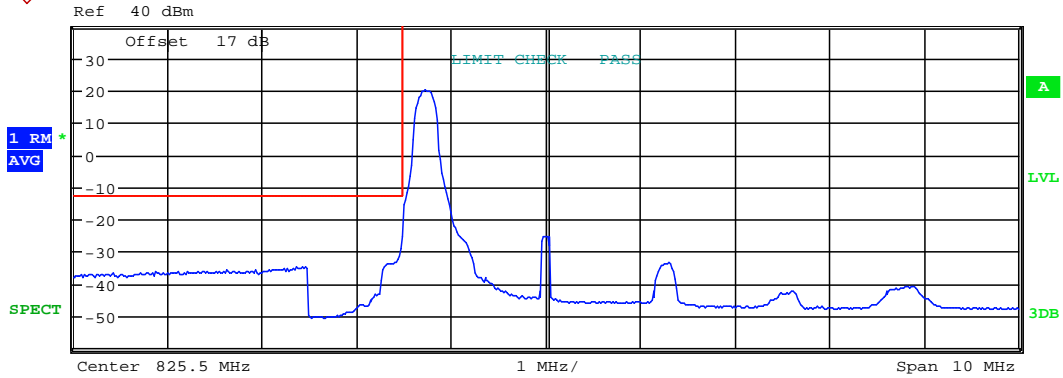


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

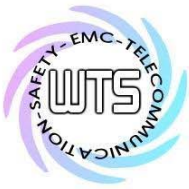
FCC ID: GX9CTC1052QT

3MHz



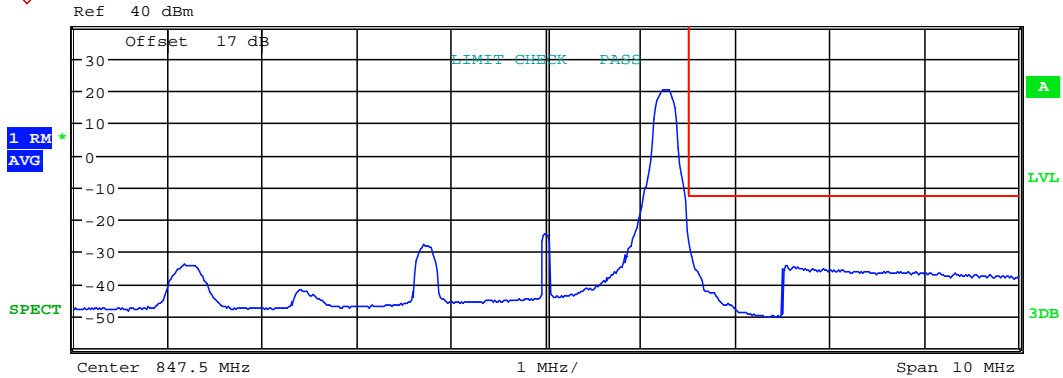
| Tx Channel |          |          |              | BW_3_MHz_lower UL |        |         |
|------------|----------|----------|--------------|-------------------|--------|---------|
| Bandwidth  |          |          |              | Power             |        |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs            | PwrRel | ΔLimit  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]             | [dBc]  | [dB]    |
| -5.000 M   | -2.500 M | 1.00 M   | 822.919872 M | -34.92            | -56.89 | -21.92  |
| -2.500 M   | -1.500 M | 30.00 k  | 823.977564 M | -25.69            | -47.66 | -12.69  |
| 1.500 M    | 5.000 M  | 100.00 k | 829.298077 M | -41.07            | -63.04 | -341.07 |

Date: 6.AUG.2020 20:15:23



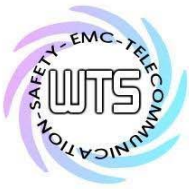
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |          |          |              | BW_3_MHz_higher UL |        |         |
|------------|----------|----------|--------------|--------------------|--------|---------|
| Bandwidth  |          | 3 MHz    |              | Power              |        |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs             | PwrRel | Δ Limit |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]              | [dBc]  | [dB]    |
| -5.000 M   | -1.500 M | 100.00 k | 843.669872 M | -34.03             | -56.25 | -334.03 |
| 1.500 M    | 2.500 M  | 30.00 k  | 849.006410 M | -24.21             | -46.44 | -11.21  |
| 2.500 M    | 5.000 M  | 1.00 M   | 850.032051 M | -34.37             | -56.59 | -21.37  |

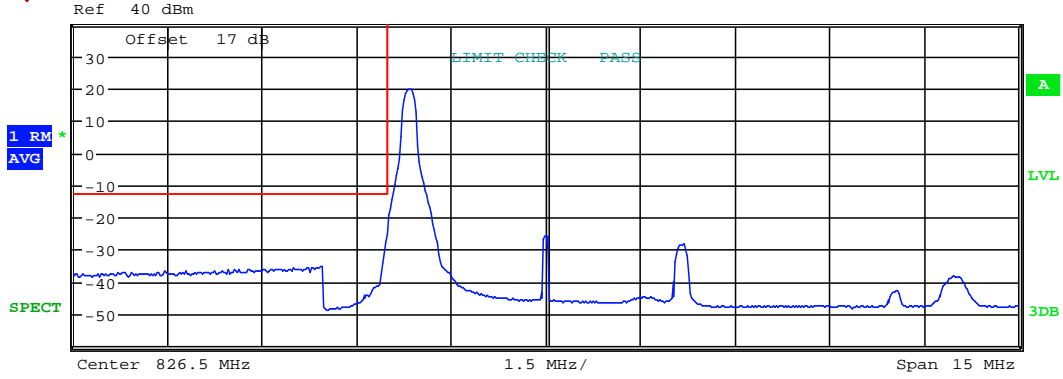
Date: 6.AUG.2020 20:16:40



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FCC ID: GX9CTC1052QT

5MHz



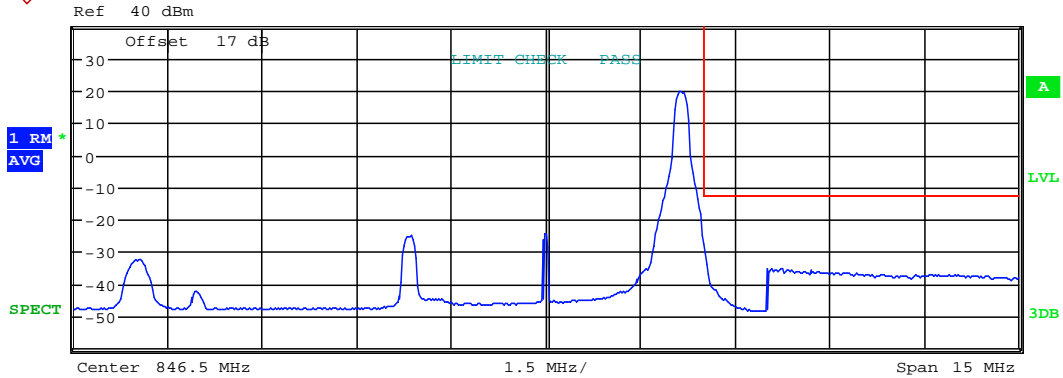
| Tx Channel |          |          |              | BW_5_MHz_lower UL |        |         |
|------------|----------|----------|--------------|-------------------|--------|---------|
| Bandwidth  |          |          |              | Power             |        |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs            | PwrRel | ΔLimit  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]             | [dBc]  | [dB]    |
| -7.500 M   | -3.500 M | 1.00 M   | 822.918269 M | -35.37            | -57.24 | -22.37  |
| -3.500 M   | -2.500 M | 50.00 k  | 823.975962 M | -25.29            | -47.16 | -12.29  |
| 2.500 M    | 7.500 M  | 100.00 k | 832.966346 M | -38.30            | -60.18 | -338.30 |

Date: 6.AUG.2020 20:18:13



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |          |          |              | BW_5_MHz_higher UL |        |           |
|------------|----------|----------|--------------|--------------------|--------|-----------|
| Bandwidth  |          | 5 MHz    |              | Power              |        | 21.80 dBm |
| Start      | Stop     | RBW      | Freq         | PwrAbs             | PwrRel | Δ Limit   |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]              | [dBc]  | [dB]      |
| -7.500 M   | -2.500 M | 100.00 k | 840.033654 M | -32.67             | -54.47 | -332.67   |
| 2.500 M    | 3.500 M  | 50.00 k  | 849.000000 M | -25.72             | -47.52 | -12.72    |
| 3.500 M    | 7.500 M  | 1.00 M   | 850.081731 M | -35.20             | -57.00 | -22.20    |

Date: 6.AUG.2020 20:19:32

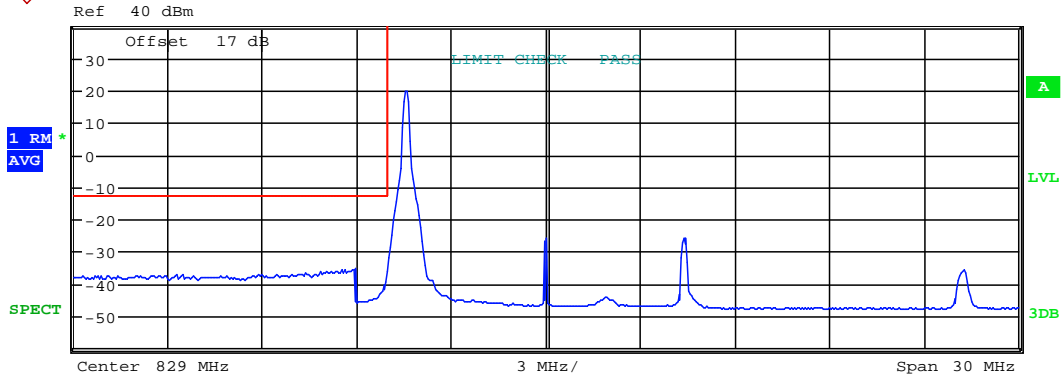


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

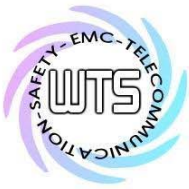
FCC ID: GX9CTC1052QT

10MHz

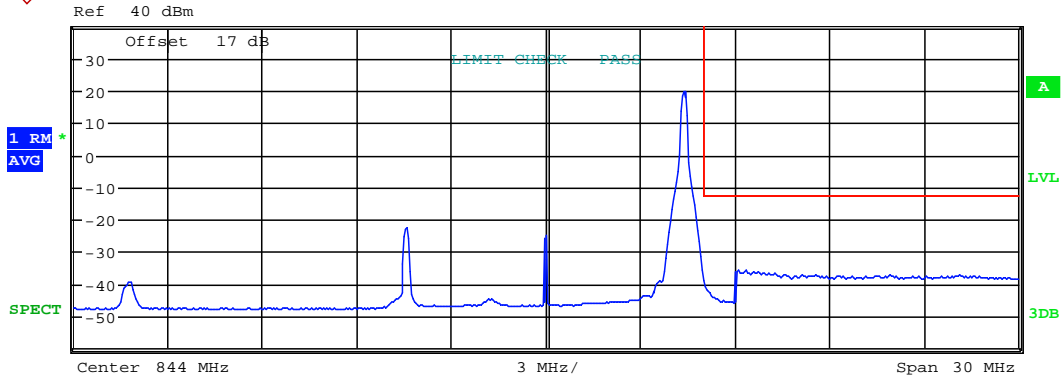


| Tx Channel |           |          |              | BW_10_MHz_lower UL |              |             |
|------------|-----------|----------|--------------|--------------------|--------------|-------------|
| Bandwidth  |           | 10 MHz   | Power        |                    | 22.04 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]       | PwrRel [dBc] | ΔLimit [dB] |
| -15.000 M  | -6.000 M  | 1.00 M   | 822.942308 M | -35.25             | -57.29       | -22.25      |
| -6.000 M   | -5.000 M  | 100.00 k | 823.951923 M | -36.26             | -58.30       | -23.26      |
| 5.000 M    | 15.000 M  | 100.00 k | 842.269231 M | -36.00             | -58.03       | -336.00     |

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Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |              | BW_10_MHz_higher UL |              |              |
|------------|-----------|----------|--------------|---------------------|--------------|--------------|
| Bandwidth  |           | 10 MHz   | Power        |                     | 21.91 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]        | PwrRel [dBc] | Δ Limit [dB] |
| -15.000 M  | -5.000 M  | 100.00 k | 830.778846 M | -39.68              | -61.59       | -339.68      |
| 5.000 M    | 6.000 M   | 100.00 k | 849.000000 M | -36.40              | -58.31       | -23.40       |
| 6.000 M    | 15.000 M  | 1.00 M   | 850.105769 M | -35.95              | -57.86       | -22.95       |

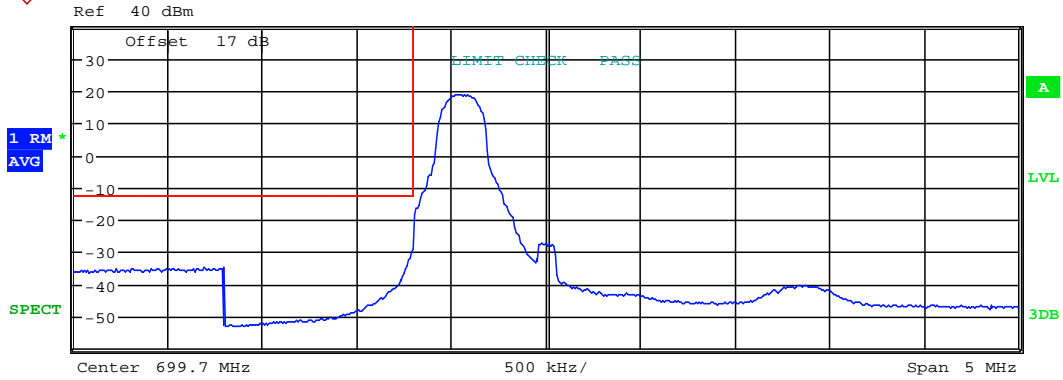
Date: 6.AUG.2020 20:24:02



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

Band XII  
 16QAM  
 1RB  
 1.4MHz



| Tx Channel |            |          |              | BW_1_4_MHz_lower UL |              |             |
|------------|------------|----------|--------------|---------------------|--------------|-------------|
| Bandwidth  |            | 1.4 MHz  |              | Power               |              | 20.80 dBm   |
| Start [Hz] | Stop [Hz]  | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]        | PwrRel [dBc] | ΔLimit [dB] |
| -2.500 M   | -1.700 M   | 1.00 M   | 697.889103 M | -34.93              | -55.73       | -21.93      |
| -1.700 M   | -700.000 k | 20.00 k  | 698.994872 M | -29.29              | -50.09       | -16.29      |
| 700.000 k  | 2.500 M    | 100.00 k | 701.062179 M | -40.60              | -61.40       | -340.60     |

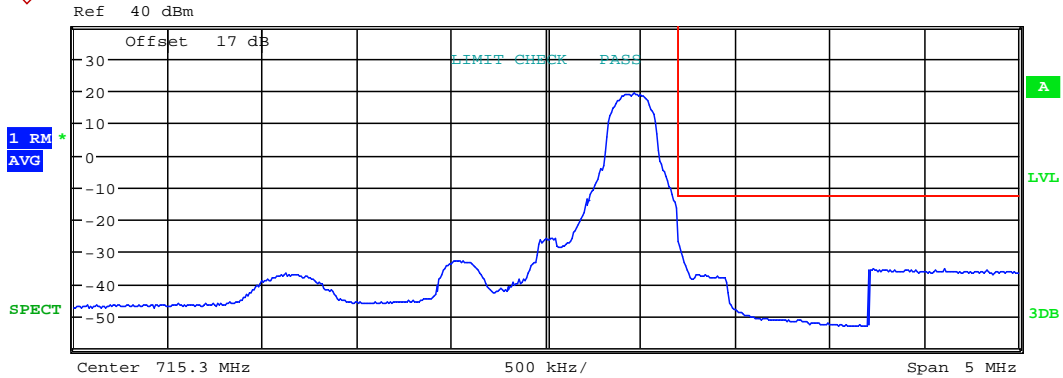
Date: 6.AUG.2020 20:29:11





# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |            |          |              | BW_1_4_MHz_higher UL |           |         |
|------------|------------|----------|--------------|----------------------|-----------|---------|
| Bandwidth  |            | 1.4 MHz  | Power        |                      | 20.97 dBm |         |
| Start      | Stop       | RBW      | Freq         | PwrAbs               | PwrRel    | Δ Limit |
| [Hz]       | [Hz]       | [Hz]     | [Hz]         | [dBm]                | [dBc]     | [dB]    |
| -2.500 M   | -700.000 k | 100.00 k | 713.921795 M | -36.78               | -57.75    | -336.78 |
| 700.000 k  | 1.700 M    | 20.00 k  | 716.000000 M | -17.01               | -37.98    | -4.01   |
| 1.700 M    | 2.500 M    | 1.00 M   | 717.030769 M | -35.40               | -56.37    | -22.40  |

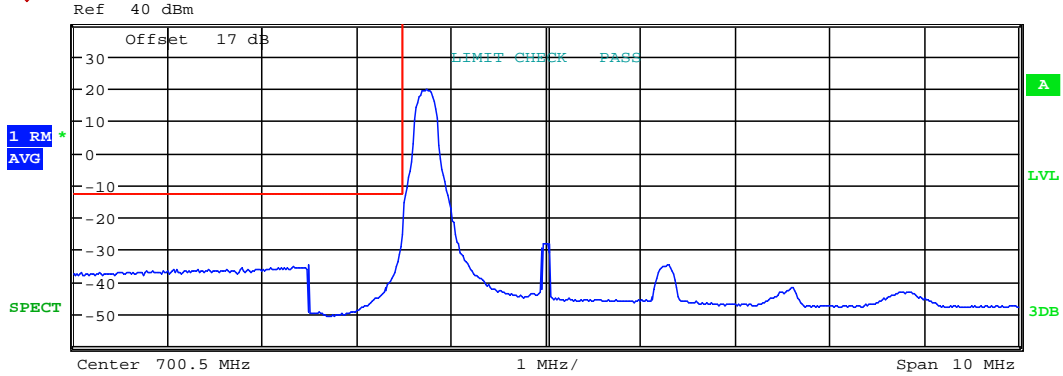
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Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz



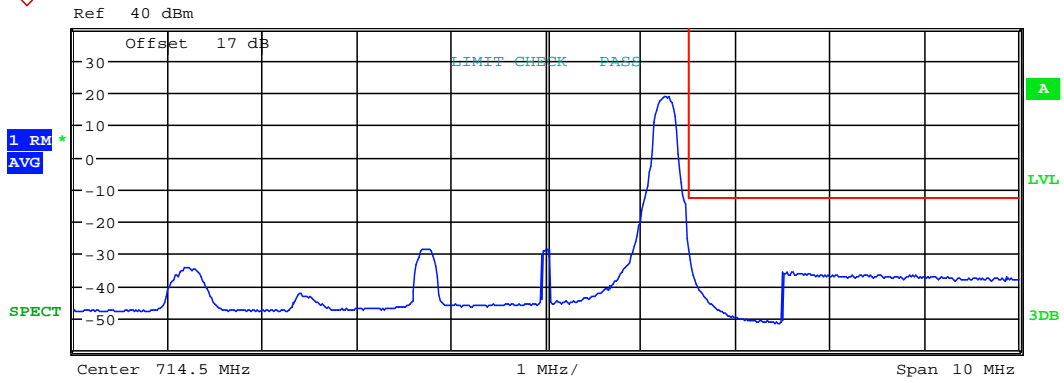
| Tx Channel |          |          |              | BW_3_MHz_lower UL |        |         |
|------------|----------|----------|--------------|-------------------|--------|---------|
| Bandwidth  |          |          |              | Power             |        |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs            | PwrRel | ΔLimit  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]             | [dBc]  | [dB]    |
| -5.000 M   | -2.500 M | 1.00 M   | 697.983974 M | -34.96            | -56.44 | -21.96  |
| -2.500 M   | -1.500 M | 30.00 k  | 698.977564 M | -25.52            | -47.00 | -12.52  |
| 1.500 M    | 5.000 M  | 100.00 k | 703.096154 M | -42.06            | -63.54 | -342.06 |

Date: 6.AUG.2020 20:52:19



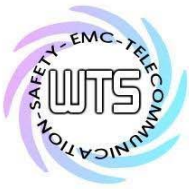
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |          |          |              | BW_3_MHz_higher UL |        |           |
|------------|----------|----------|--------------|--------------------|--------|-----------|
| Bandwidth  |          | 3 MHz    |              | Power              |        | 20.65 dBm |
| Start      | Stop     | RBW      | Freq         | PwrAbs             | PwrRel | Δ Limit   |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]              | [dBc]  | [dB]      |
| -5.000 M   | -1.500 M | 100.00 k | 710.685897 M | -34.40             | -55.05 | -334.40   |
| 1.500 M    | 2.500 M  | 30.00 k  | 716.006410 M | -26.05             | -46.71 | -13.05    |
| 2.500 M    | 5.000 M  | 1.00 M   | 717.096154 M | -35.62             | -56.28 | -22.62    |

Date: 6.AUG.2020 20:55:32

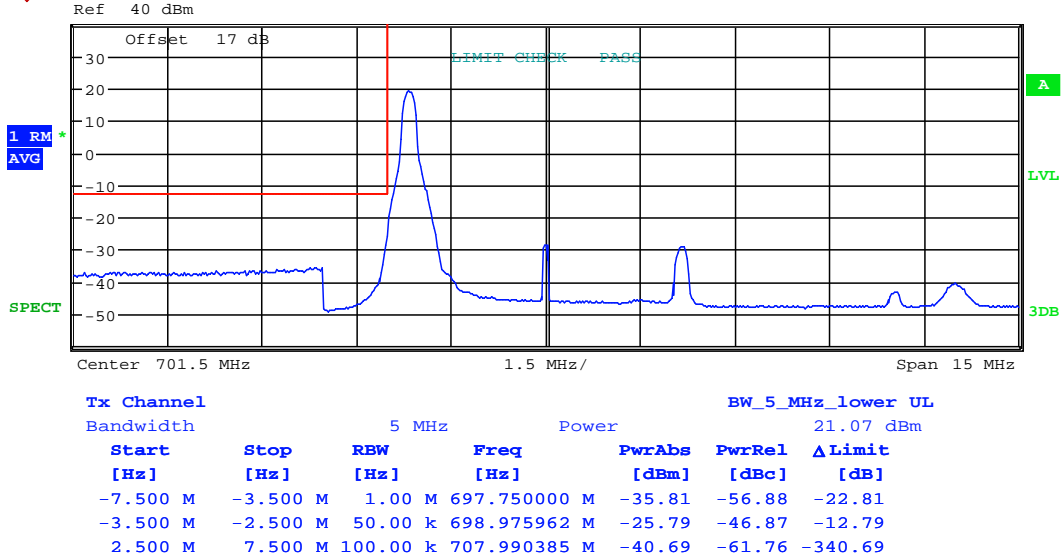


# Worldwide Testing Services(Taiwan) Co., Ltd.

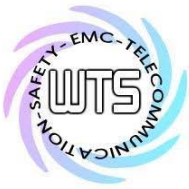
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

5MHz

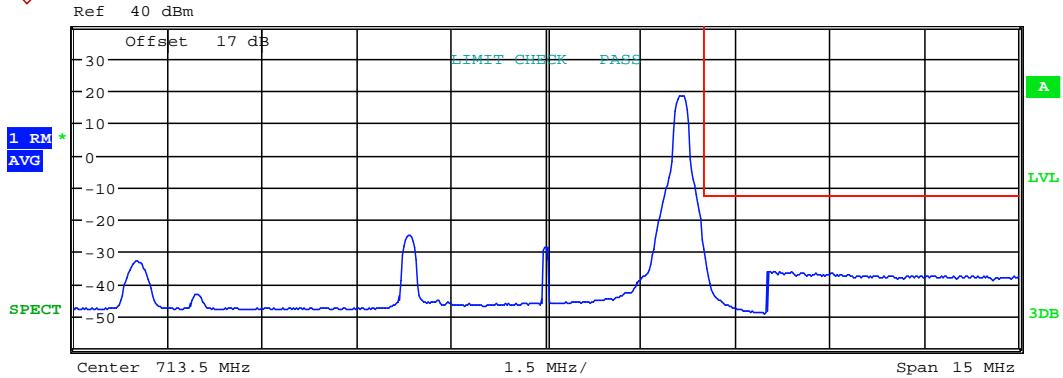


Date: 6.AUG.2020 20:56:36



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |          |          |              | BW_5_MHz_higher UL |        |           |
|------------|----------|----------|--------------|--------------------|--------|-----------|
| Bandwidth  |          | 5 MHz    |              | Power              |        | 20.67 dBm |
| Start      | Stop     | RBW      | Freq         | PwrAbs             | PwrRel | Δ Limit   |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]              | [dBc]  | [dB]      |
| -7.500 M   | -2.500 M | 100.00 k | 707.009615 M | -33.06             | -53.73 | -333.06   |
| 2.500 M    | 3.500 M  | 50.00 k  | 716.000000 M | -26.87             | -47.54 | -13.87    |
| 3.500 M    | 7.500 M  | 1.00 M   | 717.129808 M | -36.33             | -57.00 | -23.33    |

Date: 6.AUG.2020 21:01:39

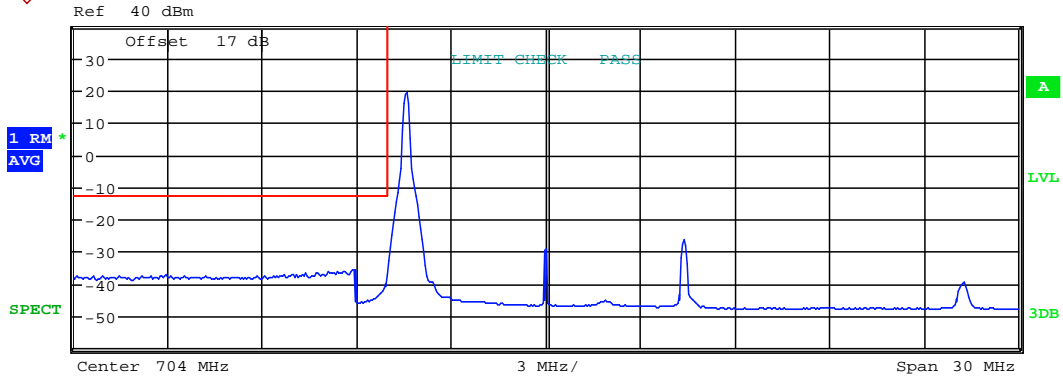


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

10MHz



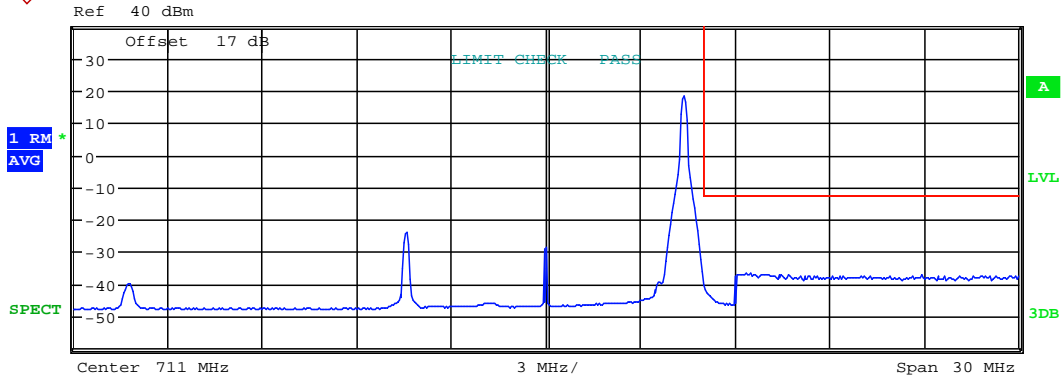
| Tx Channel |          |          |              | BW_10_MHz_lower UL |        |         |
|------------|----------|----------|--------------|--------------------|--------|---------|
| Bandwidth  |          |          |              | Power              |        |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs             | PwrRel | ΔLimit  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]              | [dBc]  | [dB]    |
| -15.000 M  | -6.000 M | 1.00 M   | 697.942308 M | -35.82             | -57.39 | -22.82  |
| -6.000 M   | -5.000 M | 100.00 k | 698.951923 M | -37.28             | -58.84 | -24.28  |
| 5.000 M    | 15.000 M | 100.00 k | 717.269231 M | -39.60             | -61.17 | -339.60 |

Date: 6.AUG.2020 21:05:02



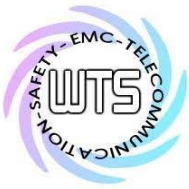
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |              | BW_10_MHz_higher UL |              |              |
|------------|-----------|----------|--------------|---------------------|--------------|--------------|
| Bandwidth  |           | 10 MHz   | Power        |                     | 20.47 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]        | PwrRel [dBc] | Δ Limit [dB] |
| -15.000 M  | -5.000 M  | 100.00 k | 697.730769 M | -40.08              | -60.55       | -340.08      |
| 5.000 M    | 6.000 M   | 100.00 k | 716.000000 M | -36.89              | -57.36       | -23.89       |
| 6.000 M    | 15.000 M  | 1.00 M   | 717.490385 M | -36.82              | -57.29       | -23.82       |

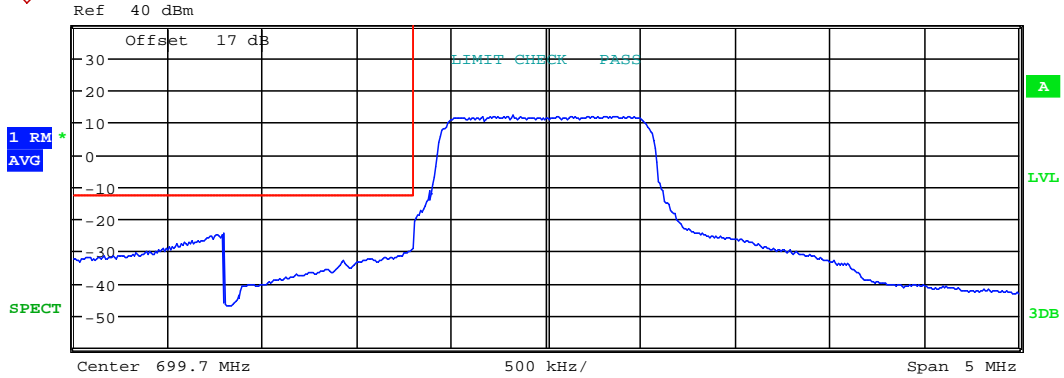
Date: 6.AUG.2020 21:08:12



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

QPSK  
 FRB  
 1.4MHz



| Tx Channel |            |          |              | BW_1_4_MHz_lower UL |        |           |
|------------|------------|----------|--------------|---------------------|--------|-----------|
| Bandwidth  |            | 1.4 MHz  |              | Power               |        | 21.29 dBm |
| Start      | Stop       | RBW      | Freq         | PwrAbs              | PwrRel | Δ Limit   |
| [Hz]       | [Hz]       | [Hz]     | [Hz]         | [dBm]               | [dBc]  | [dB]      |
| -2.500 M   | -1.700 M   | 1.00 M   | 697.993269 M | -24.49              | -45.78 | -11.49    |
| -1.700 M   | -700.000 k | 20.00 k  | 698.994872 M | -29.18              | -50.47 | -16.18    |
| 700.000 k  | 2.500 M    | 100.00 k | 700.400000 M | -20.86              | -42.15 | -320.86   |

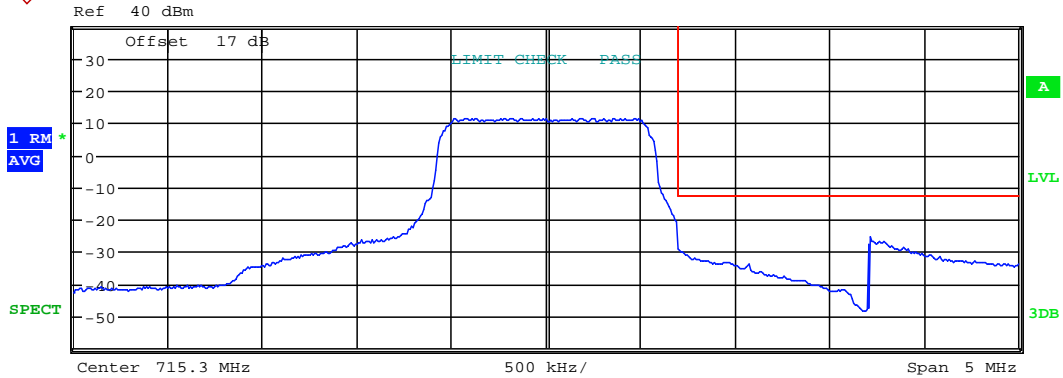
Date: 6.AUG.2020 20:30:24





# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |            |          |              | BW_1_4_MHz_higher UL |           |         |
|------------|------------|----------|--------------|----------------------|-----------|---------|
| Bandwidth  |            | 1.4 MHz  | Power        |                      | 20.80 dBm |         |
| Start      | Stop       | RBW      | Freq         | PwrAbs               | PwrRel    | ΔLimit  |
| [Hz]       | [Hz]       | [Hz]     | [Hz]         | [dBm]                | [dBc]     | [dB]    |
| -2.500 M   | -700.000 k | 100.00 k | 714.586859 M | -22.19               | -42.99    | -322.19 |
| 700.000 k  | 1.700 M    | 20.00 k  | 716.000000 M | -20.48               | -41.28    | -7.48   |
| 1.700 M    | 2.500 M    | 1.00 M   | 717.014744 M | -25.57               | -46.37    | -12.57  |

Date: 6.AUG.2020 20:48:11

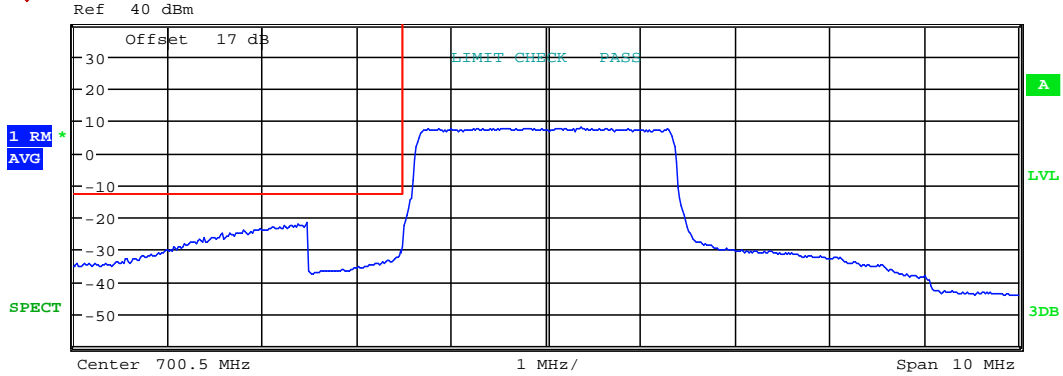


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz



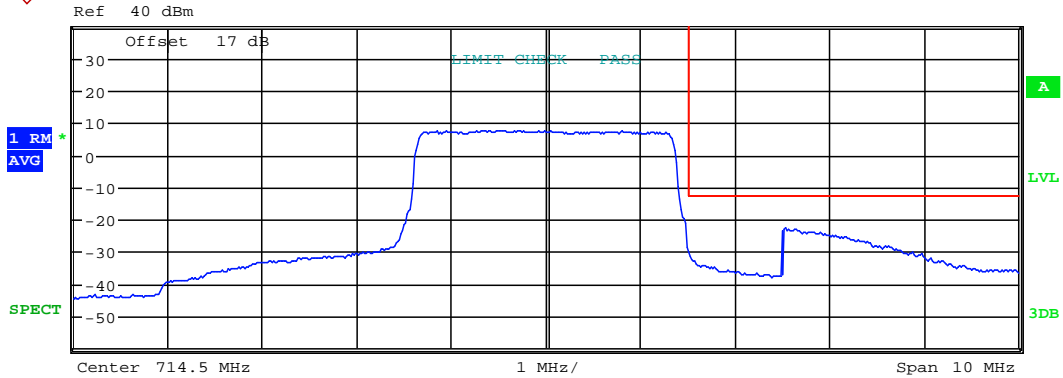
| Tx Channel |          |          |              | BW_3_MHz_lower UL |        |         |
|------------|----------|----------|--------------|-------------------|--------|---------|
| Bandwidth  |          |          |              | Power             |        |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs            | PwrRel | ΔLimit  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]             | [dBc]  | [dB]    |
| -5.000 M   | -2.500 M | 1.00 M   | 697.967949 M | -21.86            | -42.92 | -8.86   |
| -2.500 M   | -1.500 M | 30.00 k  | 698.977564 M | -29.27            | -50.33 | -16.27  |
| 1.500 M    | 5.000 M  | 100.00 k | 702.006410 M | -23.54            | -44.60 | -323.54 |

Date: 6.AUG.2020 20:53:02



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |              | BW_3_MHz_higher UL |              |              |
|------------|-----------|----------|--------------|--------------------|--------------|--------------|
| Bandwidth  |           | 3 MHz    | Power        |                    | 20.94 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -5.000 M   | -1.500 M  | 100.00 k | 712.977564 M | -23.44             | -44.38       | -323.44      |
| 1.500 M    | 2.500 M   | 30.00 k  | 716.006410 M | -29.10             | -50.04       | -16.10       |
| 2.500 M    | 5.000 M   | 1.00 M   | 717.032051 M | -22.75             | -43.69       | -9.75        |

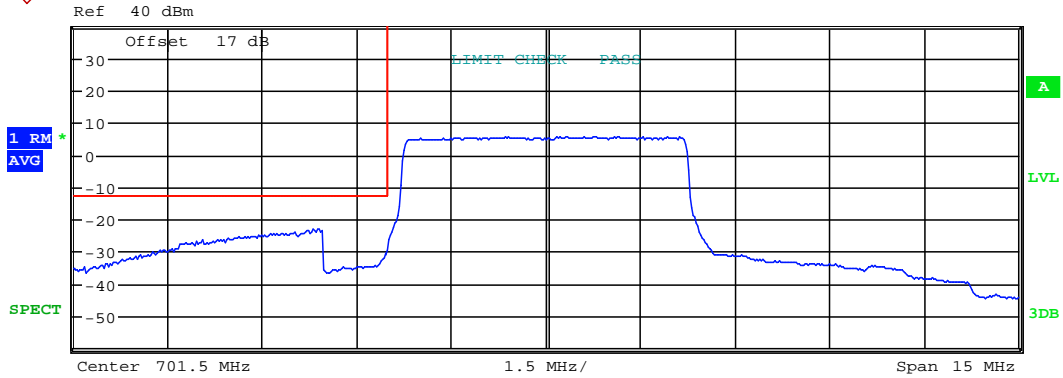
Date: 6.AUG.2020 20:54:25



Report Number: W6R22011-20409-P-247

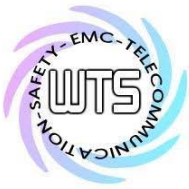
FCC ID: GX9CTC1052QT

5MHz



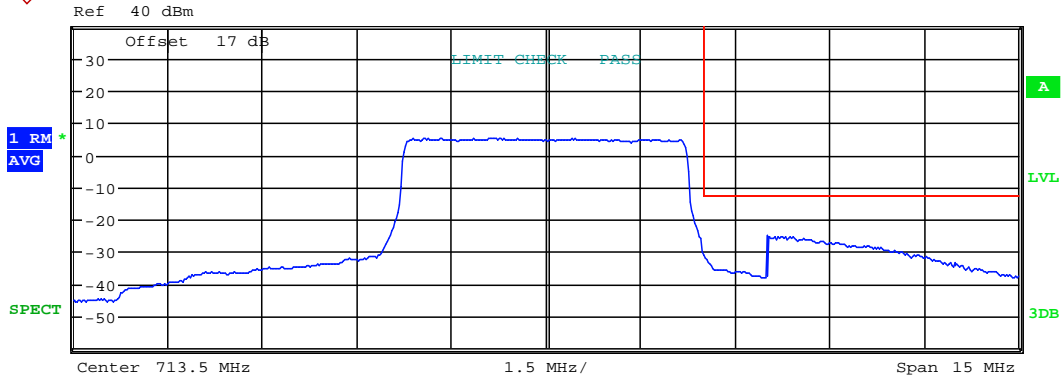
| Tx Channel |          |          |              | BW_5_MHz_lower UL |        |         |
|------------|----------|----------|--------------|-------------------|--------|---------|
| Bandwidth  |          |          |              | Power             |        |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs            | PwrRel | ΔLimit  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]             | [dBc]  | [dB]    |
| -7.500 M   | -3.500 M | 1.00 M   | 697.870192 M | -23.20            | -44.38 | -10.20  |
| -3.500 M   | -2.500 M | 50.00 k  | 698.975962 M | -29.78            | -50.96 | -16.78  |
| 2.500 M    | 7.500 M  | 100.00 k | 704.000000 M | -26.23            | -47.41 | -326.23 |

Date: 6.AUG.2020 20:57:29



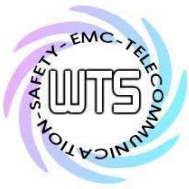
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |              | BW_5_MHz_higher UL |              |              |
|------------|-----------|----------|--------------|--------------------|--------------|--------------|
| Bandwidth  |           | 5 MHz    | Power        |                    | 20.77 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -7.500 M   | -2.500 M  | 100.00 k | 710.975962 M | -26.96             | -47.73       | -326.96      |
| 2.500 M    | 3.500 M   | 50.00 k  | 716.000000 M | -30.88             | -51.65       | -17.88       |
| 3.500 M    | 7.500 M   | 1.00 M   | 717.370192 M | -25.28             | -46.05       | -12.28       |

Date: 6.AUG.2020 21:00:51

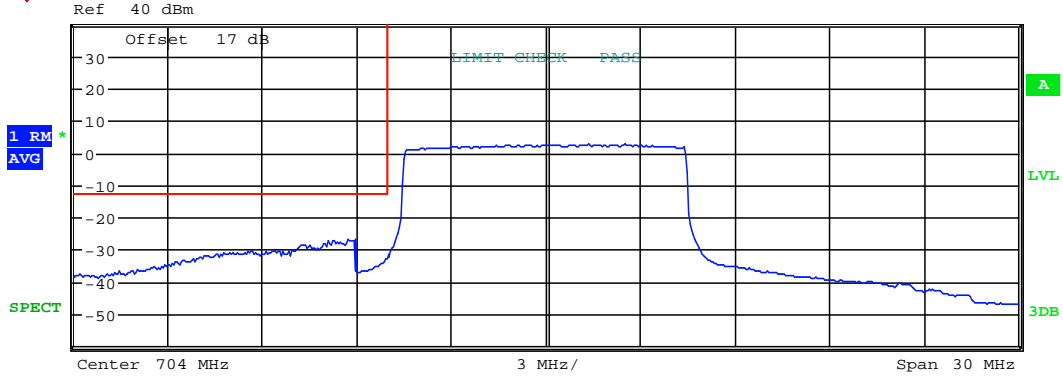


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

10MHz



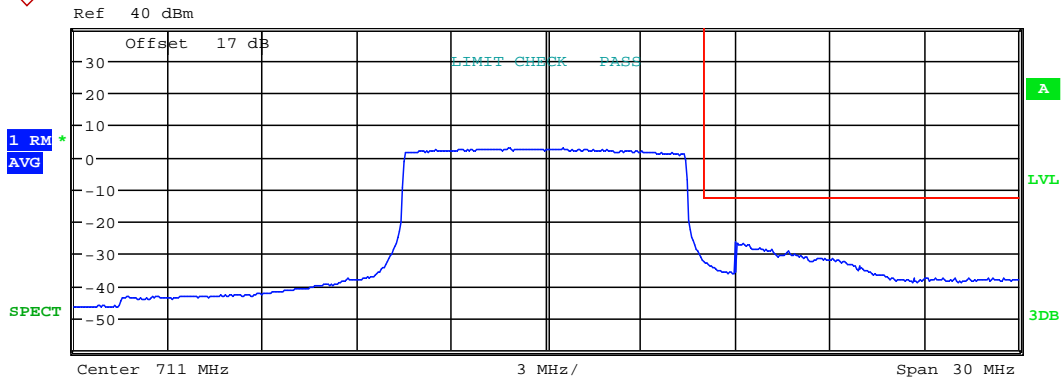
| Tx Channel |          |          |              | BW_10_MHz_lower UL |        |         |
|------------|----------|----------|--------------|--------------------|--------|---------|
| Bandwidth  |          |          |              | Power              |        |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs             | PwrRel | ΔLimit  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]              | [dBc]  | [dB]    |
| -15.000 M  | -6.000 M | 1.00 M   | 697.942308 M | -26.68             | -47.75 | -13.68  |
| -6.000 M   | -5.000 M | 100.00 k | 698.951923 M | -32.97             | -54.03 | -19.97  |
| 5.000 M    | 15.000 M | 100.00 k | 709.000000 M | -31.90             | -52.97 | -331.90 |

Date: 6.AUG.2020 21:04:02



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |              | BW_10_MHz_higher UL |              |              |
|------------|-----------|----------|--------------|---------------------|--------------|--------------|
| Bandwidth  |           | 10 MHz   | Power        |                     | 21.07 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]        | PwrRel [dBc] | Δ Limit [dB] |
| -15.000 M  | -5.000 M  | 100.00 k | 705.951923 M | -32.54              | -53.61       | -332.54      |
| 5.000 M    | 6.000 M   | 100.00 k | 716.000000 M | -32.43              | -53.51       | -19.43       |
| 6.000 M    | 15.000 M  | 1.00 M   | 717.057692 M | -26.78              | -47.85       | -13.78       |

Date: 6.AUG.2020 21:09:00



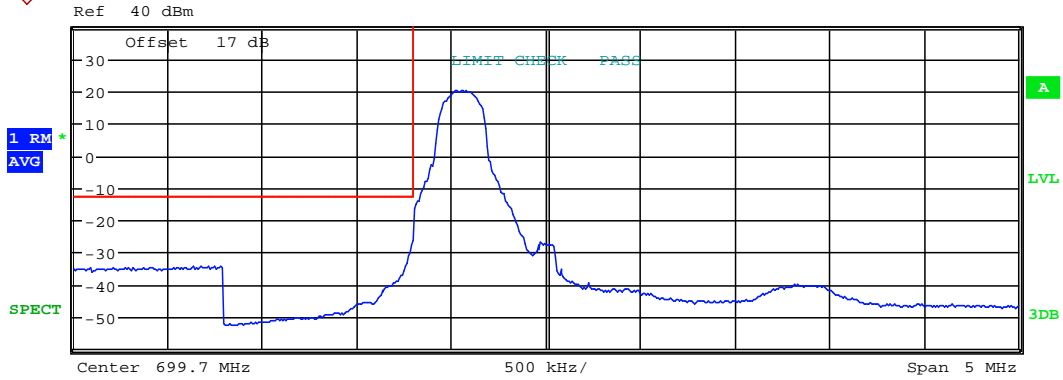
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

1RB

1.4MHz



| Tx Channel |            |          |              | BW_1_4_MHz_lower UL |              |             |
|------------|------------|----------|--------------|---------------------|--------------|-------------|
| Bandwidth  |            | 1.4 MHz  |              | Power               |              | 22.02 dBm   |
| Start [Hz] | Stop [Hz]  | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]        | PwrRel [dBc] | ΔLimit [dB] |
| -2.500 M   | -1.700 M   | 1.00 M   | 697.913141 M | -34.35              | -56.37       | -21.35      |
| -1.700 M   | -700.000 k | 20.00 k  | 698.994872 M | -26.56              | -48.58       | -13.56      |
| 700.000 k  | 2.500 M    | 100.00 k | 701.014103 M | -40.08              | -62.11       | -340.08     |

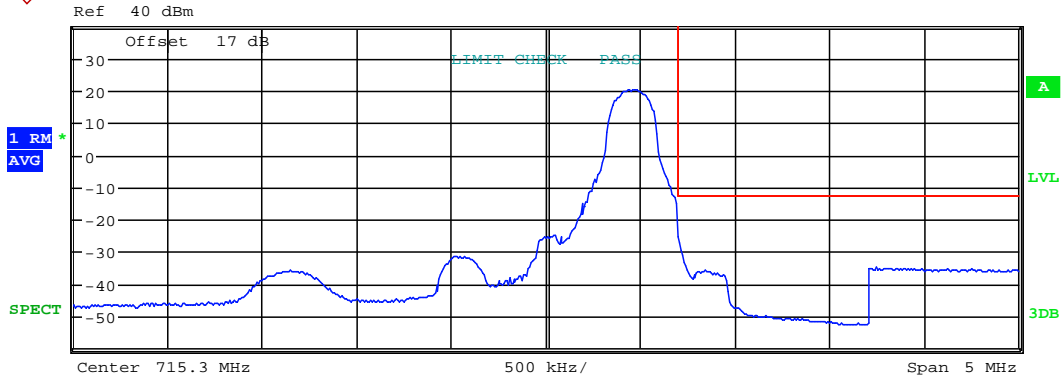
Date: 6.AUG.2020 20:29:44





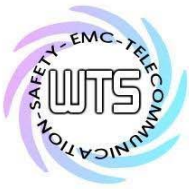
# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |            |          |              | BW_1_4_MHz_higher UL |           |         |
|------------|------------|----------|--------------|----------------------|-----------|---------|
| Bandwidth  |            | 1.4 MHz  | Power        |                      | 22.05 dBm |         |
| Start      | Stop       | RBW      | Freq         | PwrAbs               | PwrRel    | Δ Limit |
| [Hz]       | [Hz]       | [Hz]     | [Hz]         | [dBm]                | [dBc]     | [dB]    |
| -2.500 M   | -700.000 k | 100.00 k | 713.905769 M | -35.88               | -57.93    | -335.88 |
| 700.000 k  | 1.700 M    | 20.00 k  | 716.000000 M | -15.60               | -37.65    | -2.60   |
| 1.700 M    | 2.500 M    | 1.00 M   | 717.046795 M | -35.06               | -57.11    | -22.06  |

Date: 6.AUG.2020 20:48:47

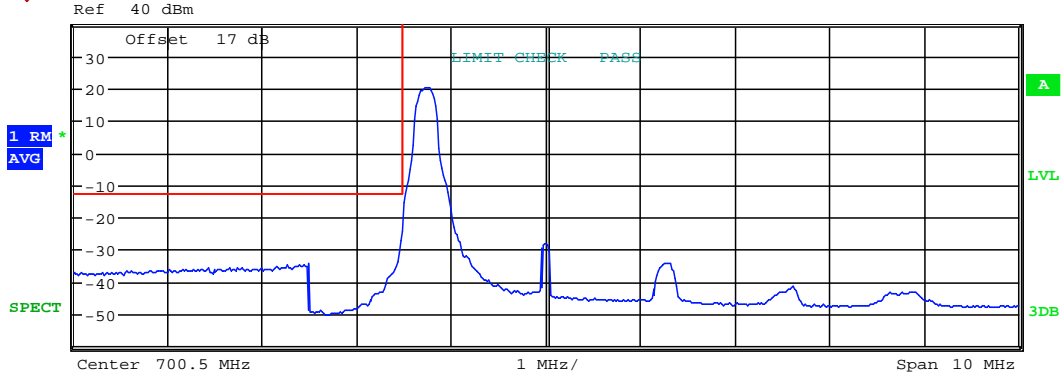


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

3MHz

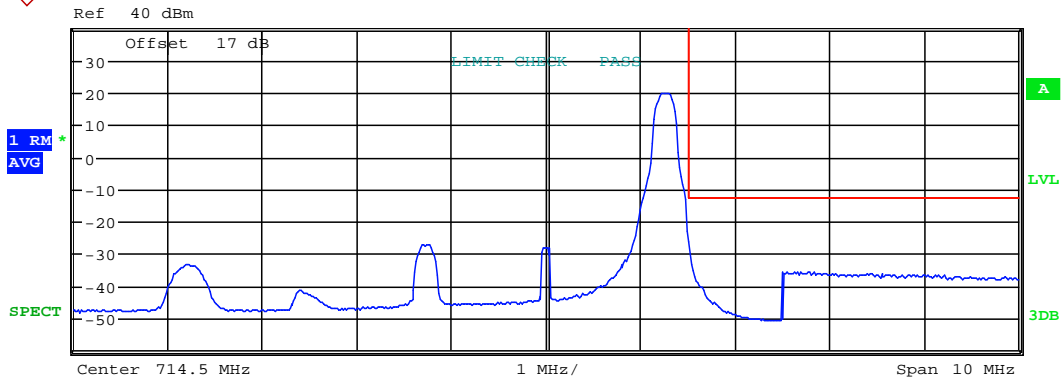


| Tx Channel |          |          |              | BW_3_MHz_lower UL |        |         |
|------------|----------|----------|--------------|-------------------|--------|---------|
| Bandwidth  |          |          |              | Power             |        |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs            | PwrRel | ΔLimit  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]             | [dBc]  | [dB]    |
| -5.000 M   | -2.500 M | 1.00 M   | 697.983974 M | -34.51            | -56.64 | -21.51  |
| -2.500 M   | -1.500 M | 30.00 k  | 698.977564 M | -24.69            | -46.82 | -11.69  |
| 1.500 M    | 5.000 M  | 100.00 k | 703.096154 M | -41.67            | -63.80 | -341.67 |

Date: 6.AUG.2020 20:52:41



Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |              | BW_3_MHz_higher UL |              |              |
|------------|-----------|----------|--------------|--------------------|--------------|--------------|
| Bandwidth  |           | 3 MHz    | Power        |                    | 21.99 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -5.000 M   | -1.500 M  | 100.00 k | 710.701923 M | -33.42             | -55.41       | -333.42      |
| 1.500 M    | 2.500 M   | 30.00 k  | 716.006410 M | -23.67             | -45.66       | -10.67       |
| 2.500 M    | 5.000 M   | 1.00 M   | 717.048077 M | -35.71             | -57.70       | -22.71       |

Date: 6.AUG.2020 20:55:02

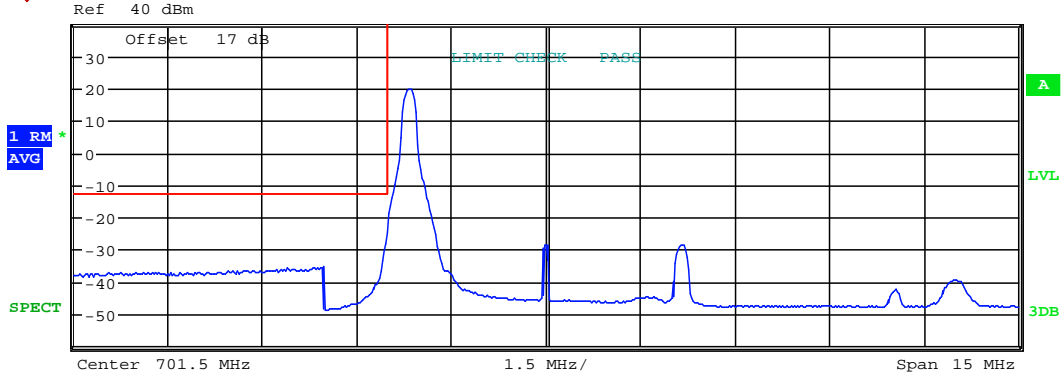


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

5MHz

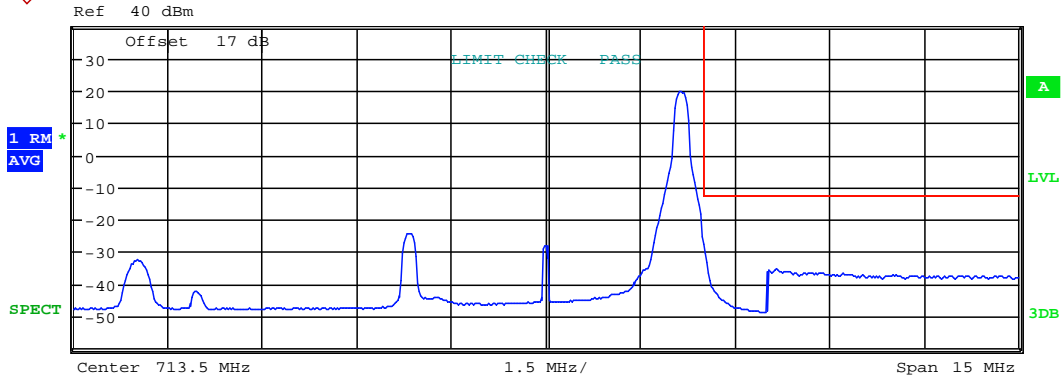


| Tx Channel |          |          |              | BW_5_MHz_lower UL |        |         |
|------------|----------|----------|--------------|-------------------|--------|---------|
| Bandwidth  |          |          |              | Power             |        |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs            | PwrRel | ΔLimit  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]             | [dBc]  | [dB]    |
| -7.500 M   | -3.500 M | 1.00 M   | 697.870192 M | -35.66            | -57.39 | -22.66  |
| -3.500 M   | -2.500 M | 50.00 k  | 698.975962 M | -25.13            | -46.85 | -12.13  |
| 2.500 M    | 7.500 M  | 100.00 k | 707.990385 M | -39.46            | -61.18 | -339.46 |

Date: 6.AUG.2020 20:57:04

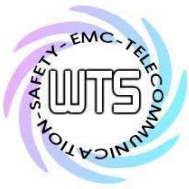


Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |              | BW_5_MHz_higher UL |              |              |
|------------|-----------|----------|--------------|--------------------|--------------|--------------|
| Bandwidth  |           | 5 MHz    | Power        |                    | 21.81 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -7.500 M   | -2.500 M  | 100.00 k | 707.009615 M | -32.74             | -54.55       | -332.74      |
| 2.500 M    | 3.500 M   | 50.00 k  | 716.000000 M | -25.84             | -47.65       | -12.84       |
| 3.500 M    | 7.500 M   | 1.00 M   | 717.153846 M | -35.53             | -57.34       | -22.53       |

Date: 6.AUG.2020 21:01:16

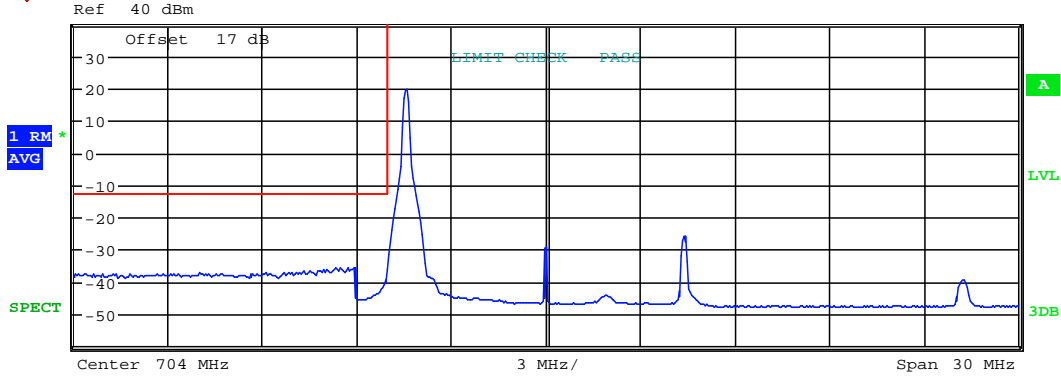


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

10MHz

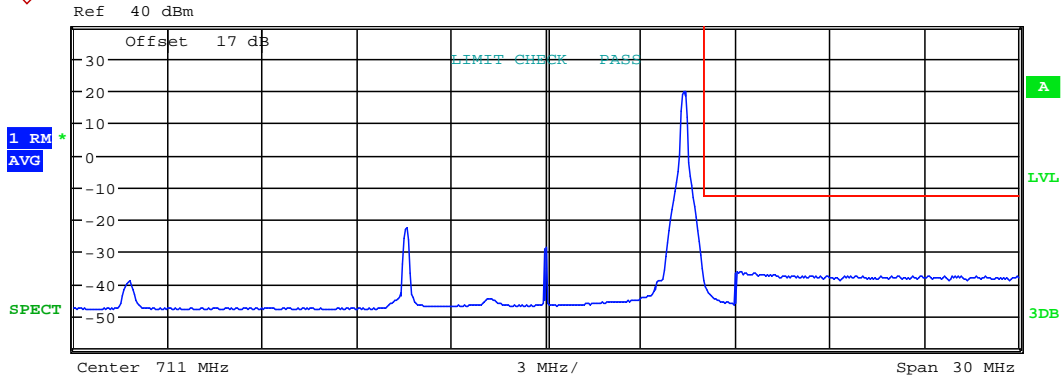


| Tx Channel |          |          |              | BW_10_MHz_lower UL |        |         |
|------------|----------|----------|--------------|--------------------|--------|---------|
| Bandwidth  |          |          |              | Power              |        |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs             | PwrRel | ΔLimit  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]              | [dBc]  | [dB]    |
| -15.000 M  | -6.000 M | 1.00 M   | 697.894231 M | -35.65             | -57.66 | -22.65  |
| -6.000 M   | -5.000 M | 100.00 k | 698.951923 M | -36.71             | -58.72 | -23.71  |
| 5.000 M    | 15.000 M | 100.00 k | 717.221154 M | -39.38             | -61.39 | -339.38 |

Date: 6.AUG.2020 21:04:26

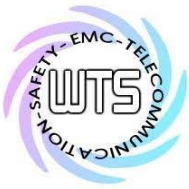


Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |              | BW_10_MHz_higher UL |              |              |
|------------|-----------|----------|--------------|---------------------|--------------|--------------|
| Bandwidth  |           | 10 MHz   | Power        |                     | 21.89 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]        | PwrRel [dBc] | Δ Limit [dB] |
| -15.000 M  | -5.000 M  | 100.00 k | 697.778846 M | -39.29              | -61.19       | -339.29      |
| 5.000 M    | 6.000 M   | 100.00 k | 716.000000 M | -35.93              | -57.82       | -22.93       |
| 6.000 M    | 15.000 M  | 1.00 M   | 717.201923 M | -36.07              | -57.96       | -23.07       |

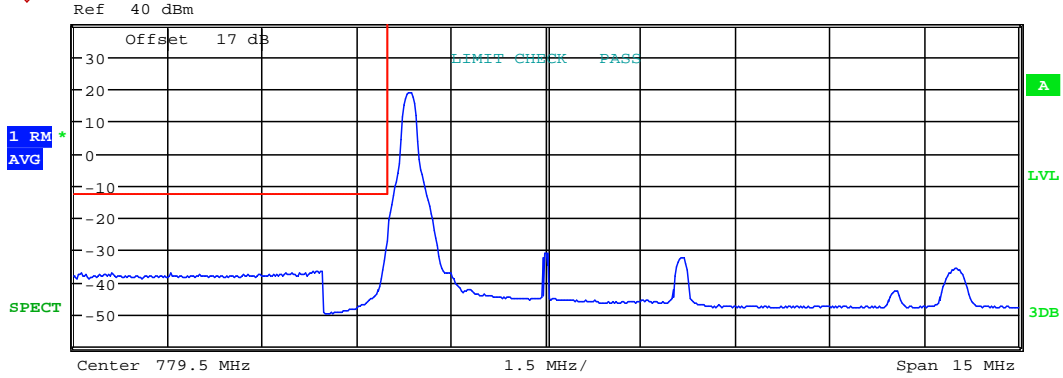
Date: 6.AUG.2020 21:08:35



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

Band XIII  
 16QAM  
 1RB  
 5MHz



| Tx Channel |           |          |              | BW_5_MHz_lower UL |              |             |
|------------|-----------|----------|--------------|-------------------|--------------|-------------|
| Bandwidth  |           | 5 MHz    | Power        |                   | 20.90 dBm    |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]      | PwrRel [dBc] | ΔLimit [dB] |
| -7.500 M   | -3.500 M  | 1.00 M   | 775.942308 M | -36.48            | -57.38       | -23.48      |
| -3.500 M   | -2.500 M  | 50.00 k  | 776.975962 M | -27.18            | -48.08       | -14.18      |
| 2.500 M    | 7.500 M   | 100.00 k | 786.014423 M | -35.88            | -56.78       | -335.88     |

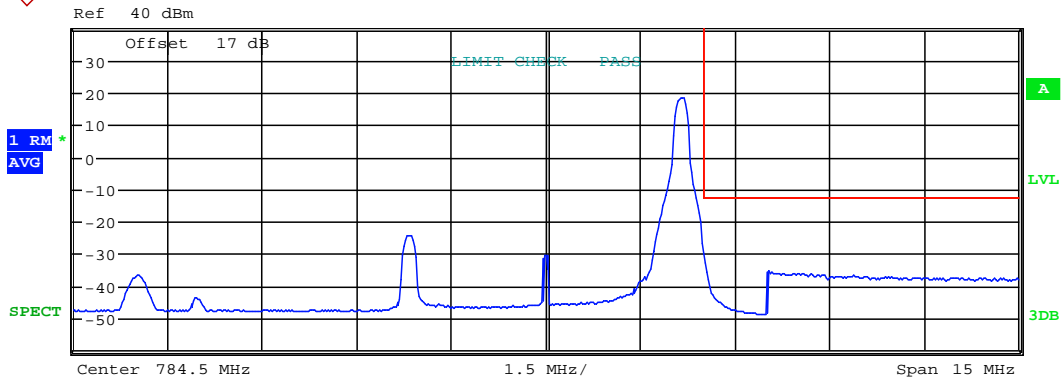
Date: 6.AUG.2020 21:11:46





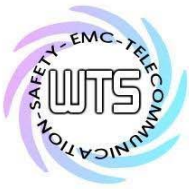
# Worldwide Testing Services(Taiwan) Co., Ltd.

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| Tx Channel |           |          |              | BW_5_MHz_higher UL |              |              |
|------------|-----------|----------|--------------|--------------------|--------------|--------------|
| Bandwidth  |           | 5 MHz    | Power        |                    | 20.38 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -7.500 M   | -2.500 M  | 100.00 k | 778.009615 M | -36.89             | -57.27       | -336.89      |
| 2.500 M    | 3.500 M   | 50.00 k  | 787.000000 M | -27.52             | -47.90       | -14.52       |
| 3.500 M    | 7.500 M   | 1.00 M   | 788.033654 M | -35.50             | -55.89       | -22.50       |

Date: 6.AUG.2020 21:14:12

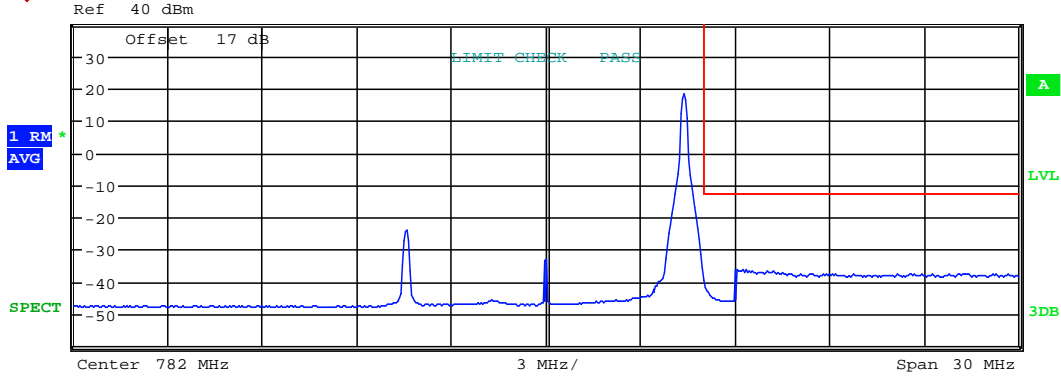


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

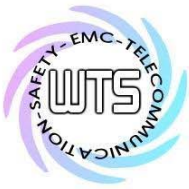
FCC ID: GX9CTC1052QT

10MHz

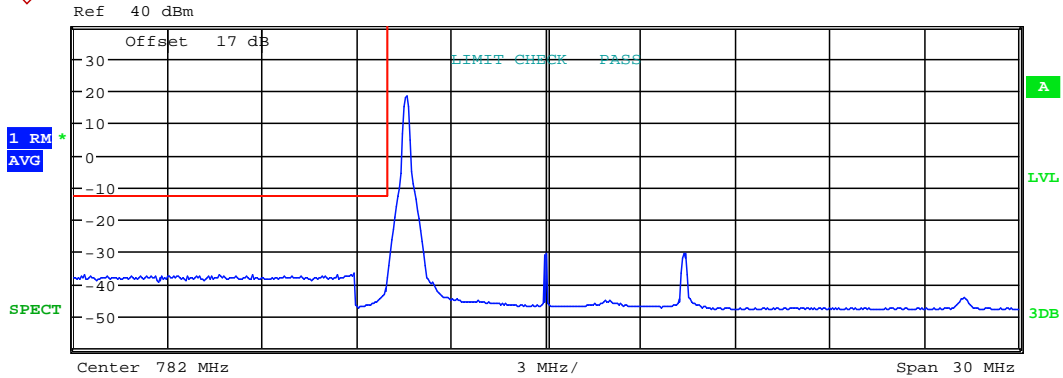


| Tx Channel |           |          |              | BW_10_MHz_higher UL |              |             |
|------------|-----------|----------|--------------|---------------------|--------------|-------------|
| Bandwidth  | 10 MHz    |          | Power        | 20.27 dBm           |              |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]        | PwrRel [dBc] | ΔLimit [dB] |
| -15.000 M  | -5.000 M  | 100.00 k | 776.951923 M | -47.38              | -67.64       | -347.38     |
| 5.000 M    | 6.000 M   | 100.00 k | 787.000000 M | -36.39              | -56.66       | -23.39      |
| 6.000 M    | 15.000 M  | 1.00 M   | 788.057692 M | -36.22              | -56.49       | -23.22      |

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 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |              | BW_10_MHz_lower UL |              |              |
|------------|-----------|----------|--------------|--------------------|--------------|--------------|
| Bandwidth  |           | 10 MHz   | Power        |                    | 20.56 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -15.000 M  | -6.000 M  | 1.00 M   | 775.942308 M | -36.92             | -57.48       | -23.92       |
| -6.000 M   | -5.000 M  | 100.00 k | 776.951923 M | -38.08             | -58.63       | -25.08       |
| 5.000 M    | 15.000 M  | 100.00 k | 795.269231 M | -44.43             | -64.99       | -344.43      |

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# Worldwide Testing Services(Taiwan) Co., Ltd.

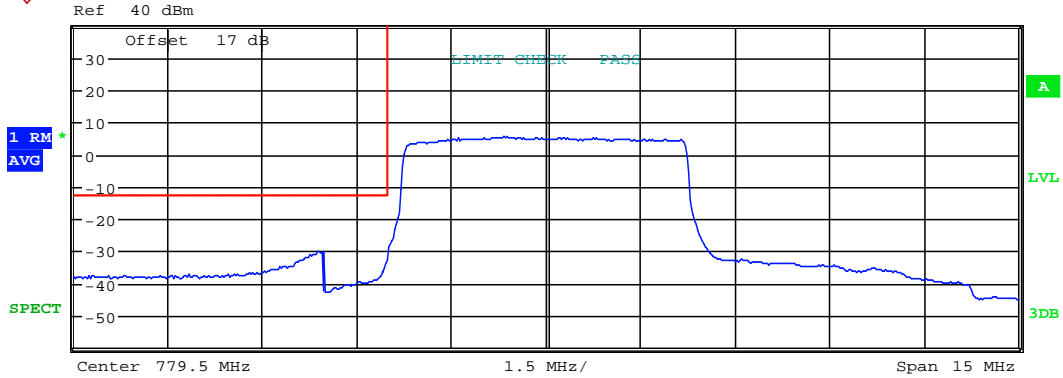
Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

QPSK

FRB

5MHz



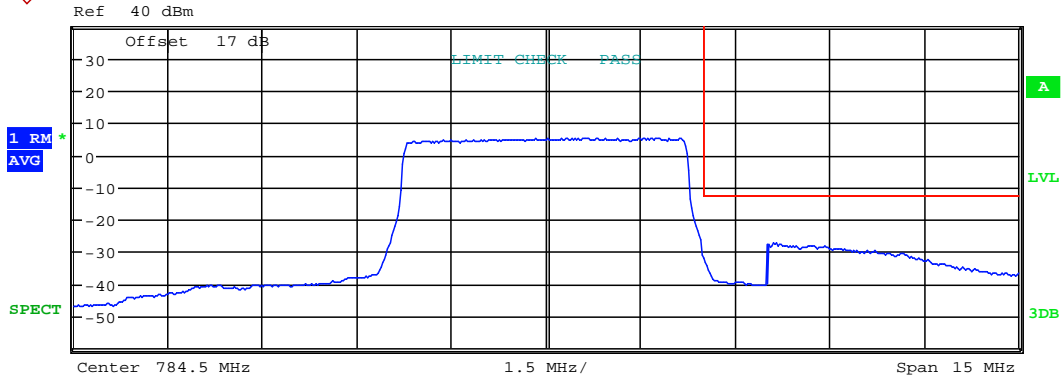
| Tx Channel |           |          |              | BW_5_MHz_lower UL |              |              |
|------------|-----------|----------|--------------|-------------------|--------------|--------------|
| Bandwidth  | 5 MHz     |          | Power        | 20.68 dBm         |              |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]      | PwrRel [dBc] | Δ Limit [dB] |
| -7.500 M   | -3.500 M  | 1.00 M   | 775.966346 M | -30.13            | -50.81       | -17.13       |
| -3.500 M   | -2.500 M  | 50.00 k  | 776.975962 M | -32.94            | -53.62       | -19.94       |
| 2.500 M    | 7.500 M   | 100.00 k | 782.000000 M | -27.36            | -48.04       | -327.36      |

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# Worldwide Testing Services(Taiwan) Co., Ltd.

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| Tx Channel |           |          |              | BW_5_MHz_higher UL |              |              |
|------------|-----------|----------|--------------|--------------------|--------------|--------------|
| Bandwidth  |           | 5 MHz    | Power        |                    | 20.72 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -7.500 M   | -2.500 M  | 100.00 k | 781.975962 M | -29.17             | -49.89       | -329.17      |
| 2.500 M    | 3.500 M   | 50.00 k  | 787.000000 M | -31.78             | -52.50       | -18.78       |
| 3.500 M    | 7.500 M   | 1.00 M   | 788.105769 M | -27.19             | -47.90       | -14.19       |

Date: 6.AUG.2020 21:13:27

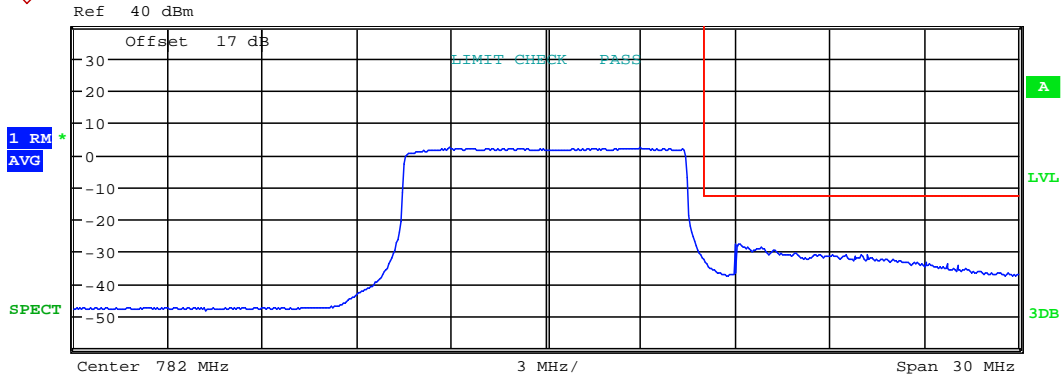


# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247

FCC ID: GX9CTC1052QT

10MHz



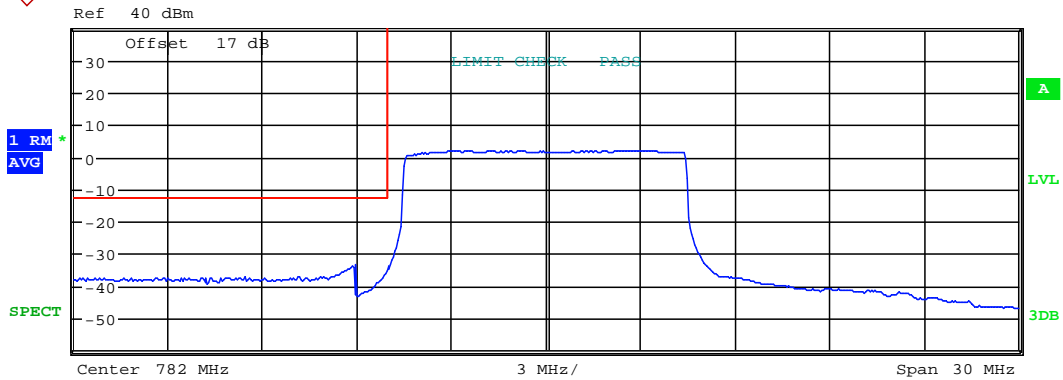
| Tx Channel |           |          |              | BW_10_MHz_higher UL |              |             |
|------------|-----------|----------|--------------|---------------------|--------------|-------------|
| Bandwidth  | 10 MHz    |          | Power        | 20.71 dBm           |              |             |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]        | PwrRel [dBc] | ΔLimit [dB] |
| -15.000 M  | -5.000 M  | 100.00 k | 776.951923 M | -35.16              | -55.87       | -335.16     |
| 5.000 M    | 6.000 M   | 100.00 k | 787.000000 M | -32.74              | -53.45       | -19.74      |
| 6.000 M    | 15.000 M  | 1.00 M   | 788.105769 M | -27.62              | -48.33       | -14.62      |

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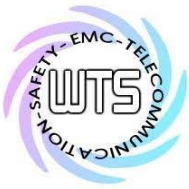
# Worldwide Testing Services(Taiwan) Co., Ltd.

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 FCC ID: GX9CTC1052QT



| Tx Channel |           |          |              | BW_10_MHz_lower UL |              |              |
|------------|-----------|----------|--------------|--------------------|--------------|--------------|
| Bandwidth  |           | 10 MHz   | Power        |                    | 20.68 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -15.000 M  | -6.000 M  | 1.00 M   | 775.942308 M | -33.65             | -54.33       | -20.65       |
| -6.000 M   | -5.000 M  | 100.00 k | 776.951923 M | -35.20             | -55.88       | -22.20       |
| 5.000 M    | 15.000 M  | 100.00 k | 787.000000 M | -32.65             | -53.33       | -332.65      |

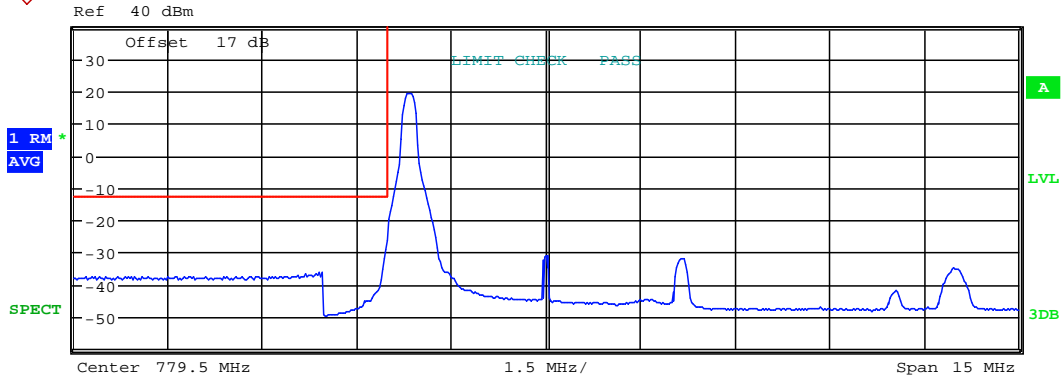
Date: 6.AUG.2020 21:15:50



# Worldwide Testing Services(Taiwan) Co., Ltd.

Report Number: W6R22011-20409-P-247  
 FCC ID: GX9CTC1052QT

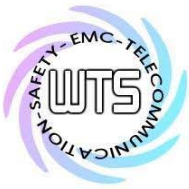
1RB  
 5MHz



| Tx Channel |          | 5 MHz    |              | Power  |        | BW_5_MHz_lower UL |  |
|------------|----------|----------|--------------|--------|--------|-------------------|--|
| Start      | Stop     | RBW      | Freq         | PwrAbs | PwrRel | ΔLimit            |  |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]  | [dBc]  | [dB]              |  |
| -7.500 M   | -3.500 M | 1.00 M   | 775.942308 M | -36.50 | -58.03 | -23.50            |  |
| -3.500 M   | -2.500 M | 50.00 k  | 776.975962 M | -26.18 | -47.71 | -13.18            |  |
| 2.500 M    | 7.500 M  | 100.00 k | 785.966346 M | -34.98 | -56.51 | -334.98           |  |

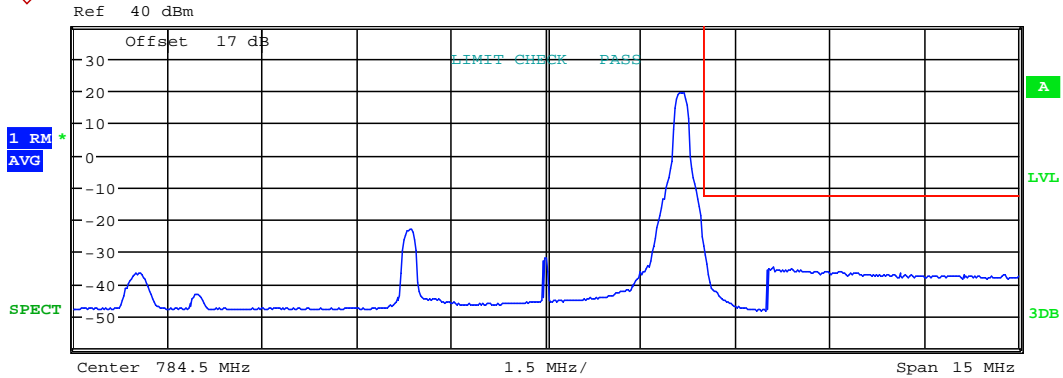
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# Worldwide Testing Services(Taiwan) Co., Ltd.

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| Tx Channel |          |          |              | BW_5_MHz_higher UL |        |         |
|------------|----------|----------|--------------|--------------------|--------|---------|
| Bandwidth  |          | 5 MHz    |              | Power              |        |         |
| Start      | Stop     | RBW      | Freq         | PwrAbs             | PwrRel | Δ Limit |
| [Hz]       | [Hz]     | [Hz]     | [Hz]         | [dBm]              | [dBc]  | [dB]    |
| -7.500 M   | -2.500 M | 100.00 k | 778.033654 M | -36.56             | -58.20 | -336.56 |
| 2.500 M    | 3.500 M  | 50.00 k  | 787.000000 M | -25.97             | -47.61 | -12.97  |
| 3.500 M    | 7.500 M  | 1.00 M   | 788.105769 M | -35.08             | -56.72 | -22.08  |

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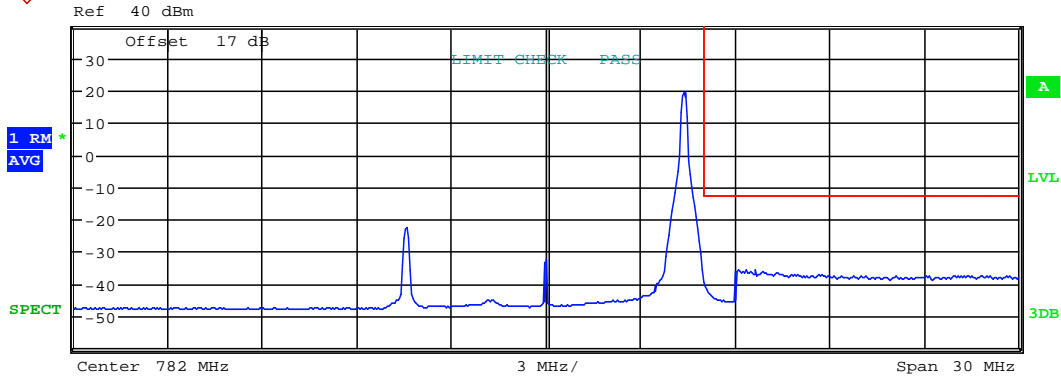


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10MHz

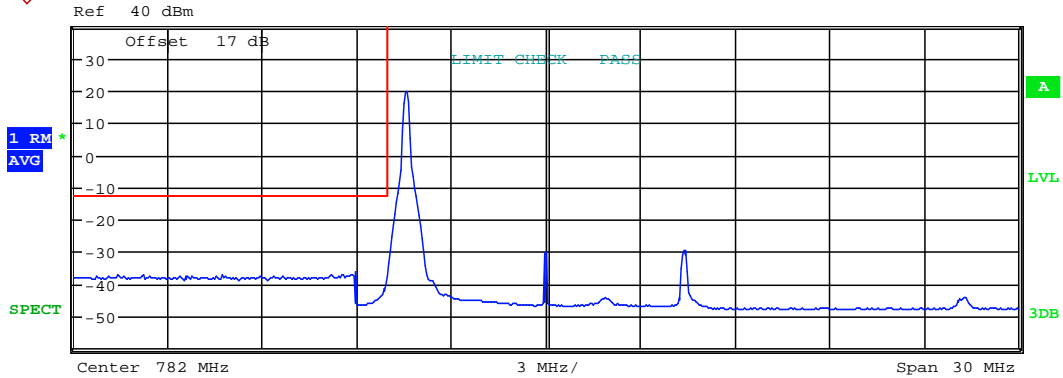


| Tx Channel |           |          |              | BW_10_MHz_higher UL |              |             |
|------------|-----------|----------|--------------|---------------------|--------------|-------------|
| Bandwidth  |           | 10 MHz   |              | Power               |              | 21.59 dBm   |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]        | PwrRel [dBc] | ΔLimit [dB] |
| -15.000 M  | -5.000 M  | 100.00 k | 776.951923 M | -47.32              | -68.92       | -347.32     |
| 5.000 M    | 6.000 M   | 100.00 k | 787.000000 M | -36.17              | -57.77       | -23.17      |
| 6.000 M    | 15.000 M  | 1.00 M   | 788.634615 M | -35.91              | -57.50       | -22.91      |

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| Tx Channel |           |          |              | BW_10_MHz_lower UL |              |              |
|------------|-----------|----------|--------------|--------------------|--------------|--------------|
| Bandwidth  |           | 10 MHz   | Power        |                    | 21.73 dBm    |              |
| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz]    | PwrAbs [dBm]       | PwrRel [dBc] | Δ Limit [dB] |
| -15.000 M  | -6.000 M  | 1.00 M   | 775.942308 M | -36.55             | -58.28       | -23.55       |
| -6.000 M   | -5.000 M  | 100.00 k | 776.951923 M | -37.80             | -59.53       | -24.80       |
| 5.000 M    | 15.000 M  | 100.00 k | 795.317308 M | -44.46             | -66.19       | -344.46      |

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Test equipment: ETSTW-RE 055, ETSTW-GSM 002, ETSTW-GSM 023, ETSTW-GSM 004

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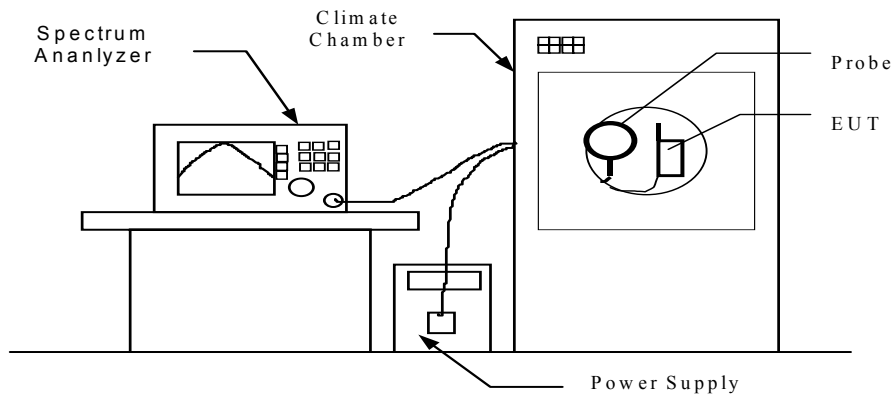
FCC ID: GX9CTC1052QT

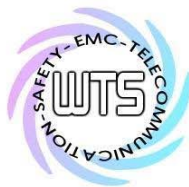
**9. Frequency Stability**

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintain within  $\pm 0.00025\%$  ( $\pm 2.5$  ppm) of the center frequency.

**9.1 Test procedure**

- The equipment under test was supplied with rated power supply and the RF output was connected to a frequency counter via feed through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable, exited the chamber through an opening made for that purpose.  
After the temperature stabilized the frequency output was recorded from the counter.
- An external variable power supply was used to supply nominal voltage and 85% to 115% of nominal voltage to the EUT under room temperature. Record the frequencies measured from the counter.
- End point voltage: For hand carried, battery powered equipment, reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer. Then record the frequencies measured from the counter.





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## 9.2 Test Results

### 9.2.1 Frequency Stability vs. Temperature

Test date: August 13, 2020

Temperature: 24.5 °C

Humidity: 48.6 %

Tester: Kent

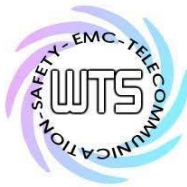
| WCDMA BAND II |      |                     |                      |             | WCDMA BAND IV |       |                     |                      |             |
|---------------|------|---------------------|----------------------|-------------|---------------|-------|---------------------|----------------------|-------------|
| CH9262        | Temp | Frequency drift(Hz) | Frequency drift(ppm) | Limit (ppm) | CH1312        | Temp  | Frequency drift(Hz) | Frequency drift(ppm) | Limit (ppm) |
|               | -30  | 11.13               | 0.006                | ±2.5        |               | -30   | 10.22               | 0.006                | ±2.5        |
|               | -20  | -8.33               | -0.004               |             |               | -20   | -8.96               | -0.005               |             |
|               | -10  | 6.55                | 0.004                |             |               | -10   | 6.55                | 0.004                |             |
|               | 0    | -7.43               | -0.004               |             |               | 0     | 5.98                | 0.003                |             |
|               | 10   | 3.42                | 0.002                |             |               | 10    | 2.93                | 0.002                |             |
|               | 20   | -1.92               | -0.001               |             |               | 20    | -5.13               | -0.003               |             |
|               | 30   | 4.73                | 0.003                |             |               | 30    | 3.99                | 0.002                |             |
|               | 40   | 6.51                | 0.004                |             |               | 40    | -4.55               | -0.003               |             |
|               | 50   | -8.33               | -0.004               |             |               | 50    | -6.39               | -0.004               |             |
| 132Vac        | 25   | -3.35               | -0.002               | 132Vac      | 25            | -4.25 | -0.002              |                      |             |
| 108Vac        | 25   | -3.74               | -0.002               | 108Vac      | 25            | -1.52 | -0.001              |                      |             |
| CH9400        | Temp | Frequency drift(Hz) | Frequency drift(ppm) | Limit (ppm) | CH1412        | Temp  | Frequency drift(Hz) | Frequency drift(ppm) | Limit (ppm) |
|               | -30  | -9.55               | -0.005               | ±2.5        |               | -30   | -10.13              | -0.006               | ±2.5        |
|               | -20  | 8.41                | 0.004                |             |               | -20   | 8.95                | 0.005                |             |
|               | -10  | 8.44                | 0.004                |             |               | -10   | -7.44               | -0.004               |             |
|               | 0    | -6.41               | -0.003               |             |               | 0     | -7.48               | -0.004               |             |
|               | 10   | -1.31               | -0.001               |             |               | 10    | 5.35                | 0.003                |             |
|               | 20   | 2.55                | 0.001                |             |               | 20    | -2.05               | -0.001               |             |
|               | 30   | 4.85                | 0.003                |             |               | 30    | -5.31               | -0.003               |             |
|               | 40   | -3.04               | -0.002               |             |               | 40    | -6.15               | -0.004               |             |
|               | 50   | 7.63                | 0.004                |             |               | 50    | 7.12                | 0.004                |             |
| 132Vac        | 25   | -5.71               | -0.003               | 132Vac      | 25            | -4.07 | -0.002              |                      |             |
| 108Vac        | 25   | -4.28               | -0.002               | 108Vac      | 25            | -4.16 | -0.002              |                      |             |
| CH9538        | Temp | Frequency drift(Hz) | Frequency drift(ppm) | Limit (ppm) | CH1513        | Temp  | Frequency drift(Hz) | Frequency drift(ppm) | Limit (ppm) |
|               | -30  | -9.75               | -0.005               | ±2.5        |               | -30   | 7.41                | 0.004                | ±2.5        |
|               | -20  | 4.43                | 0.002                |             |               | -20   | 8.55                | 0.005                |             |
|               | -10  | 6.18                | 0.003                |             |               | -10   | 6.73                | 0.004                |             |
|               | 0    | -5.29               | -0.003               |             |               | 0     | -7.42               | -0.004               |             |
|               | 10   | 5.29                | 0.003                |             |               | 10    | 5.73                | 0.003                |             |
|               | 20   | -4.32               | -0.002               |             |               | 20    | -3.16               | -0.002               |             |
|               | 30   | 4.66                | 0.002                |             |               | 30    | 3.55                | 0.002                |             |
|               | 40   | 5.31                | 0.003                |             |               | 40    | -4.82               | -0.003               |             |
|               | 50   | -5.98               | -0.003               |             |               | 50    | 6.61                | 0.004                |             |
| 132Vac        | 25   | -3.55               | -0.002               | 132Vac      | 25            | -3.93 | -0.002              |                      |             |
| 108Vac        | 25   | -3.60               | -0.002               | 108Vac      | 25            | -3.97 | -0.002              |                      |             |



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| WCDMA BAND V |      |                     |                      |             |
|--------------|------|---------------------|----------------------|-------------|
| CH4132       | Temp | Frequency drift(Hz) | Frequency drift(ppm) | Limit (ppm) |
|              | -30  | -11.23              | -0.014               | ±2.5        |
|              | -20  | 9.33                | 0.011                |             |
|              | -10  | 7.54                | 0.009                |             |
|              | 0    | -8.43               | -0.010               |             |
|              | 10   | -4.93               | -0.006               |             |
|              | 20   | 3.13                | 0.004                |             |
|              | 30   | 5.49                | 0.007                |             |
|              | 40   | -6.11               | -0.007               |             |
|              | 50   | 7.19                | 0.009                |             |
| 132Vac       | 25   | 1.42                | 0.002                |             |
| 108Vac       | 25   | -2.33               | -0.003               |             |
| CH4183       | Temp | Frequency drift(Hz) | Frequency drift(ppm) | Limit (ppm) |
|              | -30  | 9.14                | 0.011                | ±2.5        |
|              | -20  | -5.77               | -0.007               |             |
|              | -10  | -6.39               | -0.008               |             |
|              | 0    | -7.43               | -0.009               |             |
|              | 10   | -3.75               | -0.004               |             |
|              | 20   | 4.74                | 0.006                |             |
|              | 30   | 4.65                | 0.006                |             |
|              | 40   | 5.22                | 0.006                |             |
|              | 50   | 7.88                | 0.009                |             |
| 132Vac       | 25   | 2.93                | 0.004                |             |
| 108Vac       | 25   | -5.51               | -0.007               |             |
| CH4233       | Temp | Frequency drift(Hz) | Frequency drift(ppm) | Limit (ppm) |
|              | -30  | -9.93               | -0.012               | ±2.5        |
|              | -20  | -7.78               | -0.009               |             |
|              | -10  | 8.63                | 0.010                |             |
|              | 0    | -6.16               | -0.007               |             |
|              | 10   | 5.74                | 0.007                |             |
|              | 20   | 2.74                | 0.003                |             |
|              | 30   | 5.31                | 0.006                |             |
|              | 40   | 6.21                | 0.007                |             |
|              | 50   | 8.21                | 0.010                |             |
| 132Vac       | 25   | -3.33               | -0.004               |             |
| 108Vac       | 25   | -2.87               | -0.003               |             |



# Worldwide Testing Services(Taiwan) Co., Ltd.

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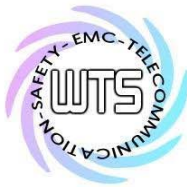
FCC ID: GX9CTC1052QT

| LTE BAND II QPSK 10MHz FRB |      |                     |                      |             | LTE BAND IV QPSK 10MHz FRB |       |                     |                      |             |
|----------------------------|------|---------------------|----------------------|-------------|----------------------------|-------|---------------------|----------------------|-------------|
| CH18900                    | Temp | Frequency drift(Hz) | Frequency drift(ppm) | Limit (ppm) | CH20175                    | Temp  | Frequency drift(Hz) | Frequency drift(ppm) | Limit (ppm) |
|                            | -30  | -11.43              | -0.006               | ±2.5        |                            | -30   | 9.95                | 0.006                | ±2.5        |
|                            | -20  | 7.48                | 0.004                |             |                            | -20   | -3.98               | -0.002               |             |
|                            | -10  | -8.93               | -0.005               |             |                            | -10   | -7.41               | -0.004               |             |
|                            | 0    | -9.21               | -0.005               |             |                            | 0     | -8.92               | -0.005               |             |
|                            | 10   | -8.74               | -0.005               |             |                            | 10    | 7.06                | 0.004                |             |
|                            | 20   | -5.04               | -0.003               |             |                            | 20    | -2.29               | -0.001               |             |
|                            | 30   | 6.89                | 0.004                |             |                            | 30    | -3.41               | -0.002               |             |
|                            | 40   | -8.44               | -0.004               |             |                            | 40    | 7.45                | 0.004                |             |
|                            | 50   | 8.56                | 0.005                |             |                            | 50    | 9.87                | 0.006                |             |
| 132Vac                     | 25   | -6.51               | -0.003               | 132Vac      | 25                         | 2.86  | 0.002               |                      |             |
| 108Vac                     | 25   | -5.58               | -0.003               | 108Vac      | 25                         | -3.02 | -0.002              |                      |             |

| LTE BAND V QPSK 10MHz FRB |      |                     |                      |             | LTE BAND XII QPSK 10MHz FRB |       |                     |                      |             |
|---------------------------|------|---------------------|----------------------|-------------|-----------------------------|-------|---------------------|----------------------|-------------|
| CH20525                   | Temp | Frequency drift(Hz) | Frequency drift(ppm) | Limit (ppm) | CH23095                     | Temp  | Frequency drift(Hz) | Frequency drift(ppm) | Limit (ppm) |
|                           | -30  | 9.12                | 0.011                | ±2.5        |                             | -30   | 8.99                | 0.013                | ±2.5        |
|                           | -20  | -8.79               | -0.011               |             |                             | -20   | -7.41               | -0.010               |             |
|                           | -10  | 5.99                | 0.007                |             |                             | -10   | -5.14               | -0.007               |             |
|                           | 0    | -8.21               | -0.010               |             |                             | 0     | -6.88               | -0.010               |             |
|                           | 10   | 7.18                | 0.009                |             |                             | 10    | 5.48                | 0.008                |             |
|                           | 20   | 1.85                | 0.002                |             |                             | 20    | -2.66               | -0.004               |             |
|                           | 30   | 7.44                | 0.009                |             |                             | 30    | -4.56               | -0.006               |             |
|                           | 40   | 6.35                | 0.008                |             |                             | 40    | 6.55                | 0.009                |             |
|                           | 50   | 8.98                | 0.011                |             |                             | 50    | 7.98                | 0.011                |             |
| 132Vac                    | 25   | -2.31               | -0.003               | 132Vac      | 25                          | -2.03 | -0.003              |                      |             |
| 108Vac                    | 25   | -2.55               | -0.003               | 108Vac      | 25                          | -2.73 | -0.004              |                      |             |

| LTE BAND XIII QPSK 10MHz FRB |      |                     |                      |             |
|------------------------------|------|---------------------|----------------------|-------------|
| CH23230                      | Temp | Frequency drift(Hz) | Frequency drift(ppm) | Limit (ppm) |
|                              | -30  | -10.31              | -0.013               | ±2.5        |
|                              | -20  | -8.44               | -0.011               |             |
|                              | -10  | 5.89                | 0.008                |             |
|                              | 0    | 7.40                | 0.009                |             |
|                              | 10   | -6.84               | -0.009               |             |
|                              | 20   | -2.60               | -0.003               |             |
|                              | 30   | 7.44                | 0.010                |             |
|                              | 40   | -8.66               | -0.011               |             |
|                              | 50   | 11.85               | 0.015                |             |
| 132Vac                       | 25   | 1.30                | 0.002                |             |
| 108Vac                       | 25   | 2.70                | 0.003                |             |

Test equipment: ETSTW-CE 009, ETSTW-GSM 002, ETSTW-GSM 004



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**10 Maximum Permissible Exposure**

**10.1 Exemption Limits for Routine Evaluation according to 47 CFR FCC Part 2 Subpart J, section 2.1091**

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF fields and applicable limits.

The prediction for power density in the far-field but will over-predict power density in the near field, where it could be used for walking a “worst case” or conservative prediction.

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 20 cm normally can be maintained between the user and the device.

**MPE Calculation Method**

**(A) Limits for Occupational/Controlled Exposure**

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/cm <sup>2</sup> ) | Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|---|---|
| 0.3-3.0               | 614                               | 1.63                              | (100)*                                  | 6   |
| 3.0-30                | 1842/f                            | 4.89/f                            | (900/f <sup>2</sup> )*                  | 6   |
| 30-300                | 61.4                              | 0.163                             | 1.0                                     | 6   |
| 300-1500              | --                                | --                                | f/300                                   | 6   |
| 1500-100,000          | --                                | --                                | 5                                       | 6   |

**(B) Limits for General Population/Uncontrolled Exposure**

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/cm <sup>2</sup> ) | Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|---|---|
| 0.3-1.34              | 614                               | 1.63                              | (100)*                                  | 30  |
| 1.34-30               | 824/f                             | 2.19/f                            | (180/f <sup>2</sup> )*                  | 30  |
| 30-300                | 27.5                              | 0.073                             | 0.2                                     | 30  |
| 300-1500              | --                                | --                                | f/1500                                  | 30  |
| 1500-100,000          | --                                | --                                | 1.0                                     | 30  |

f = frequency in MHz

\*Plane-wave equivalent power density

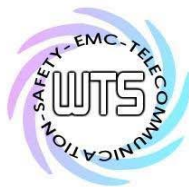
E = Electric field (V/m) P = output power (W) G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

$$Pd = \frac{30 \times P \times G}{377 \times d^2}$$

The formula can be changed to mW/cm<sup>2</sup>.





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| Frequency     | Max output power |      | Antenna Gain | Power Density(S)<br>(mW/cm <sup>2</sup> ) | Limit of Power Density (S)<br>(mW/cm <sup>2</sup> ) | Test Result |
|---------------|------------------|------|--------------|---|---|-------------|
|               | (dBm)            | (W)  |              |   |   |             |
| WCDMA Band II | 22.57            | 0.18 | 2.30         | 0.0611                                    | 1   | Complies    |
| WCDMA Band IV | 22.74            | 0.19 | 1.94         | 0.0584                                    | 1   | Complies    |
| WCDMA Band V  | 23.64            | 0.23 | 0.73         | 0.0544                                    | 0.5644  | Complies    |
| LTE Band II   | 23.35            | 0.22 | 2.30         | 0.0731                                    | 1   | Complies    |
| LTE Band IV   | 23.15            | 0.21 | 1.94         | 0.0642                                    | 1   | Complies    |
| LTE Band V    | 23.81            | 0.24 | 0.73         | 0.0566                                    | 0.5577  | Complies    |
| LTE Band XII  | 23.46            | 0.22 | -1.03        | 0.0348                                    | 0.4740  | Complies    |
| LTE Band XIII | 23.66            | 0.23 | -1.82        | 0.0304                                    | 0.5213  | Complies    |

From the peak EUT RF output power, the minimum mobile separation distance,  $d=0.2$  m, as well as the gain of the used antenna, the RF power density can be obtained.