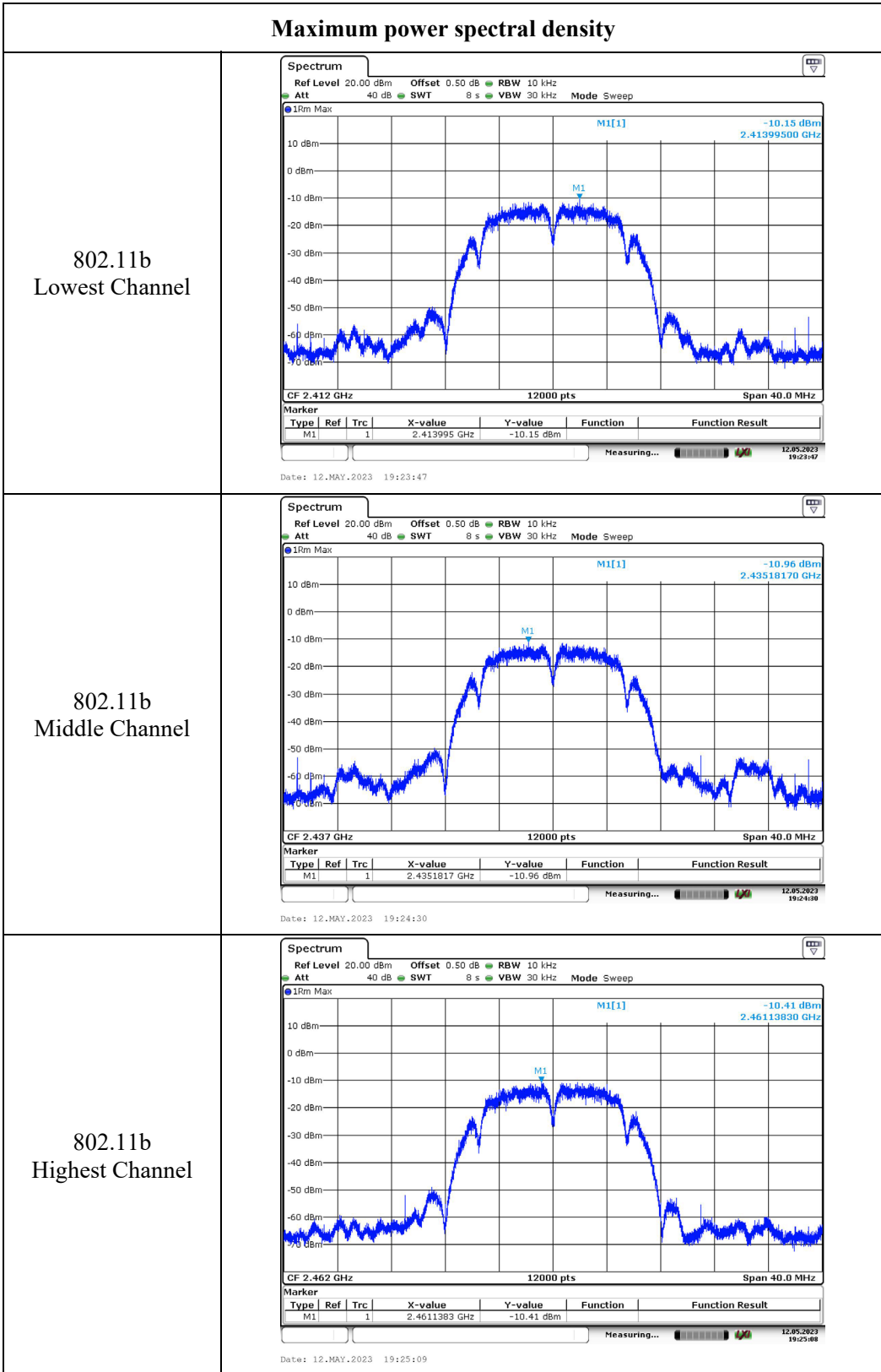
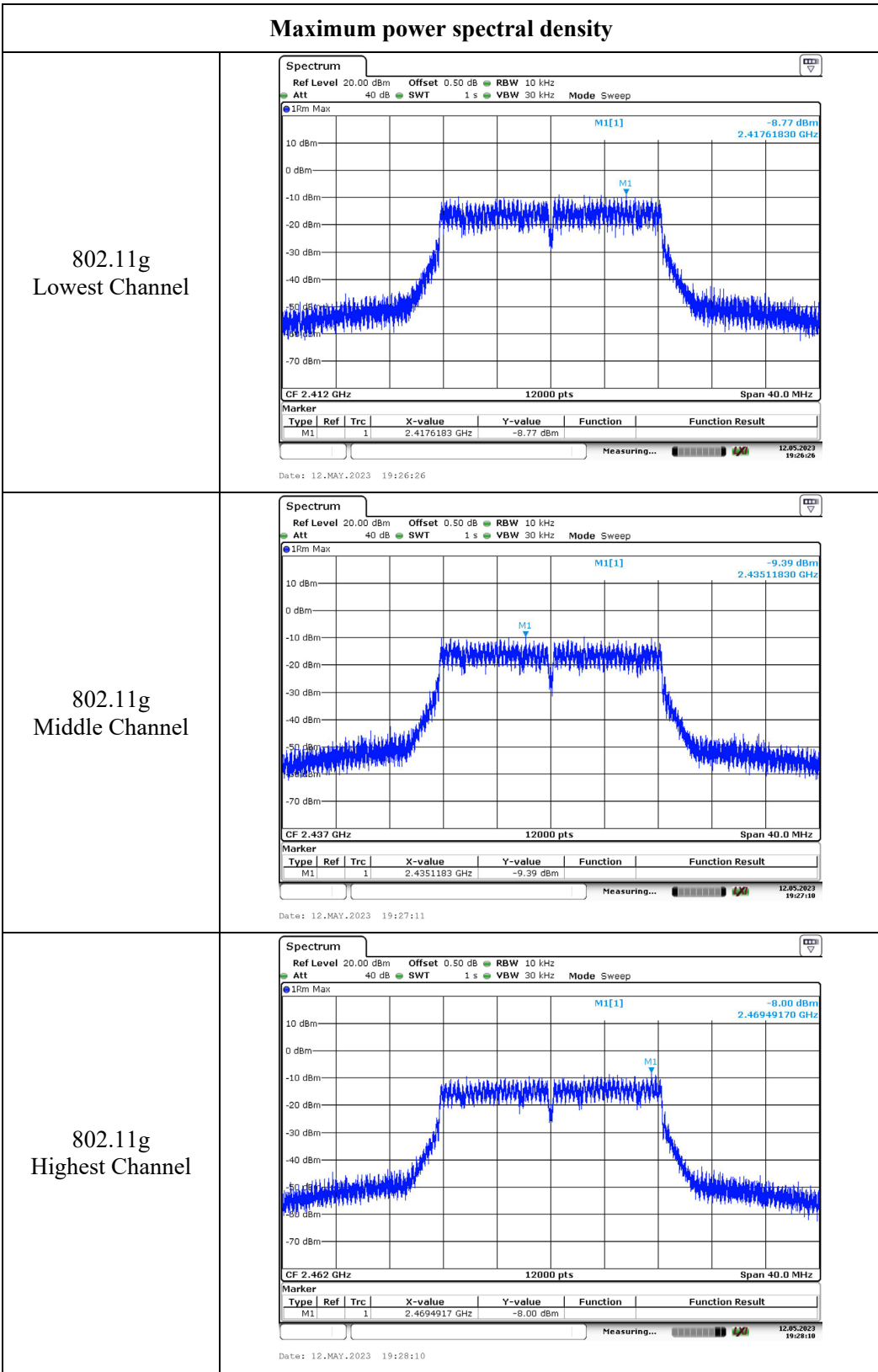


### Maximum power spectral density

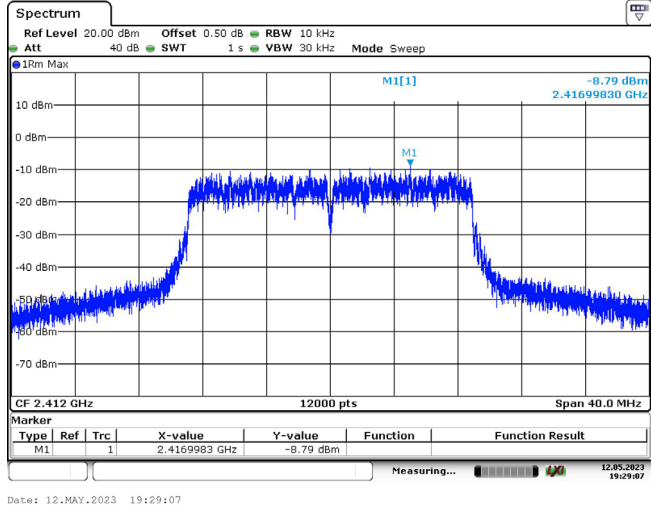


### Maximum power spectral density

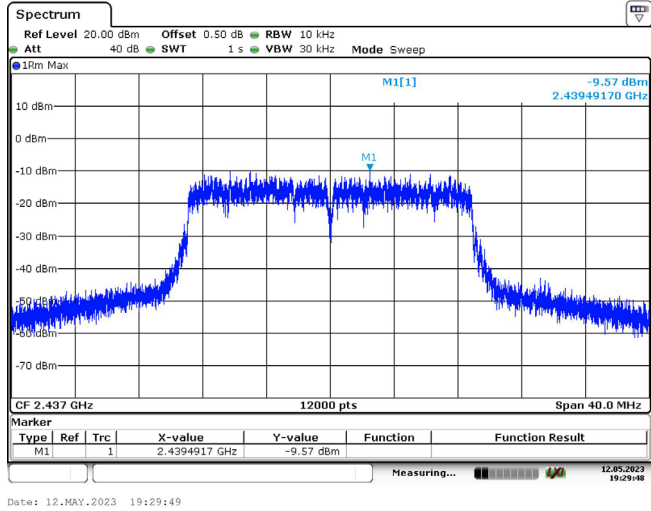


### Maximum power spectral density

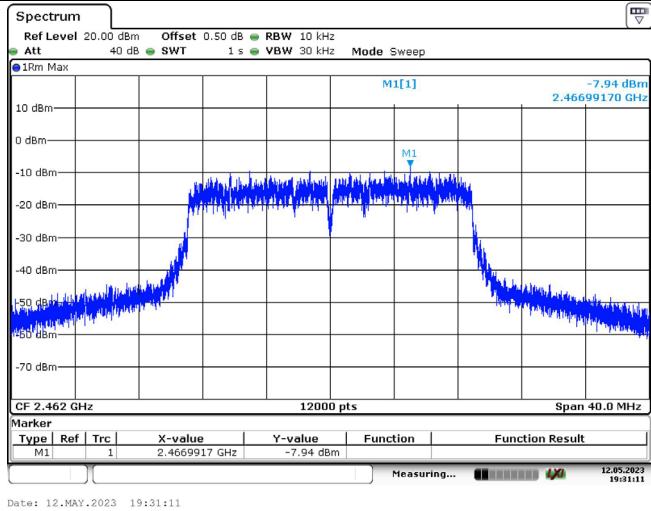
802.11n ht20  
Lowest Channel



802.11n ht20  
Middle Channel

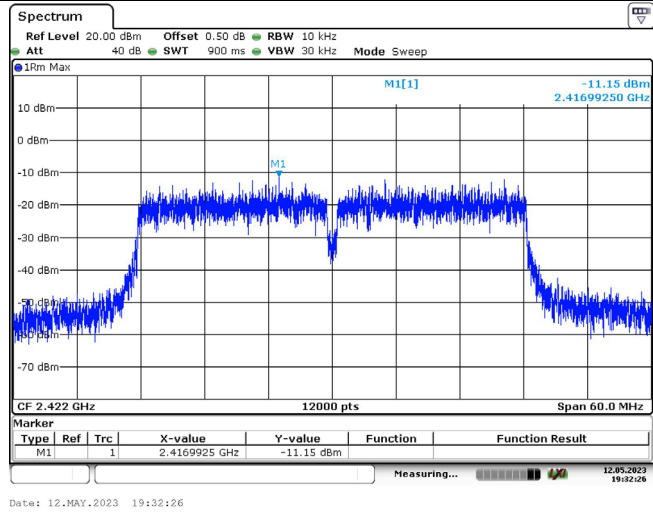


802.11n ht20  
Highest Channel

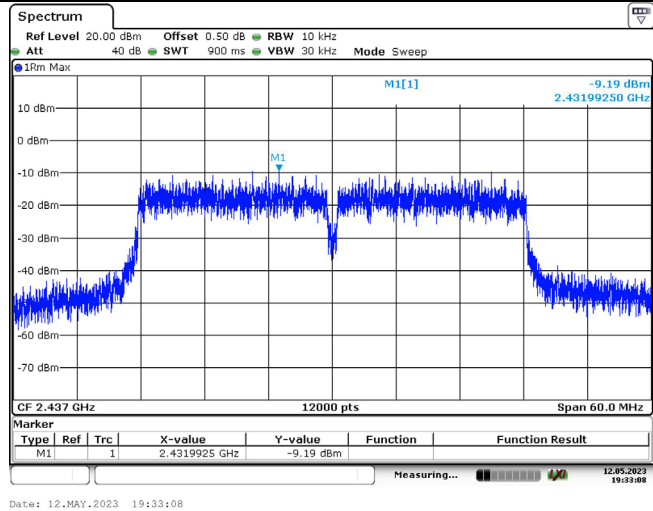


### Maximum power spectral density

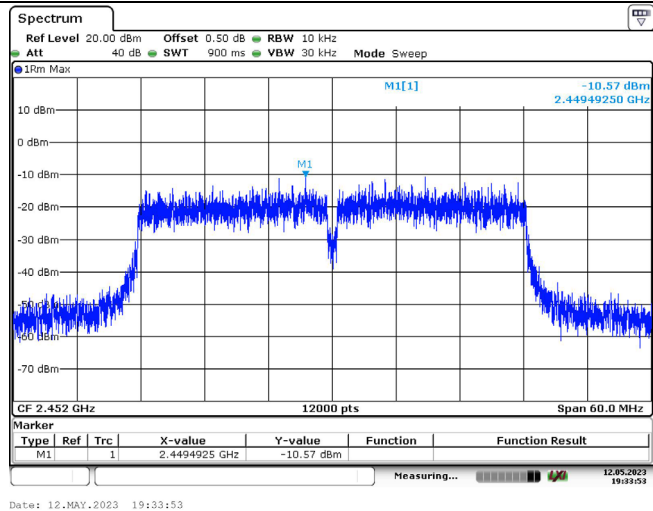
802.11n ht40  
Lowest Channel



802.11n ht40  
Middle Channel



802.11n ht40  
Highest Channel



**4.7 100 kHz Bandwidth of Frequency Band Edge:**

|                |                  |              |                       |
|----------------|------------------|--------------|-----------------------|
| Serial Number: | CR22060004-RF-S1 | Test Date:   | 2023/05/05-2023/05/06 |
| Test Site:     | RF               | Test Mode:   | Transmitting          |
| Tester:        | Morpheus Shi     | Test Result: | Pass                  |

**Environmental Conditions:**

|                      |         |                              |       |                        |             |
|----------------------|---------|------------------------------|-------|------------------------|-------------|
| Temperature:<br>(°C) | 25-25.5 | Relative<br>Humidity:<br>(%) | 55-66 | ATM Pressure:<br>(kPa) | 100.6-100.7 |
|----------------------|---------|------------------------------|-------|------------------------|-------------|

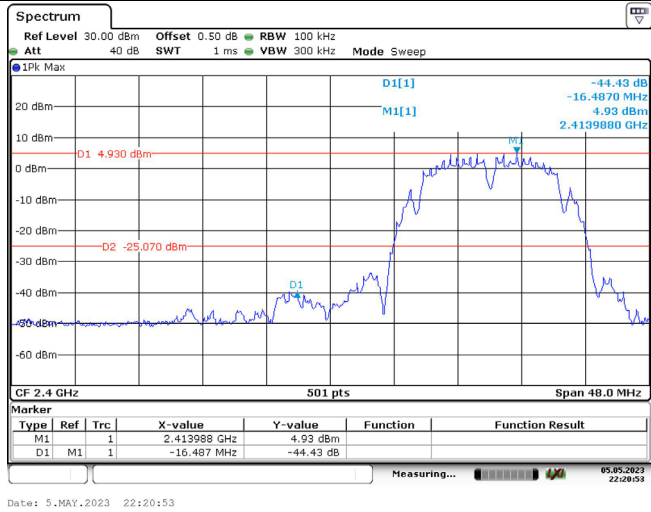
**Test Equipment List and Details:**

| Manufacturer  | Description       | Model     | Serial Number | Calibration Date | Calibration Due Date |
|---------------|-------------------|-----------|---------------|------------------|----------------------|
| R&S           | Spectrum Analyzer | FSV40     | 101474        | 2022/07/15       | 2023/07/14           |
| zhuoxiang     | Coaxial Cable     | SMA-178   | 211001        | Each time        | N/A                  |
| Mini-Circuits | DC Block          | BLK-18-S+ | 1554403       | Each time        | N/A                  |

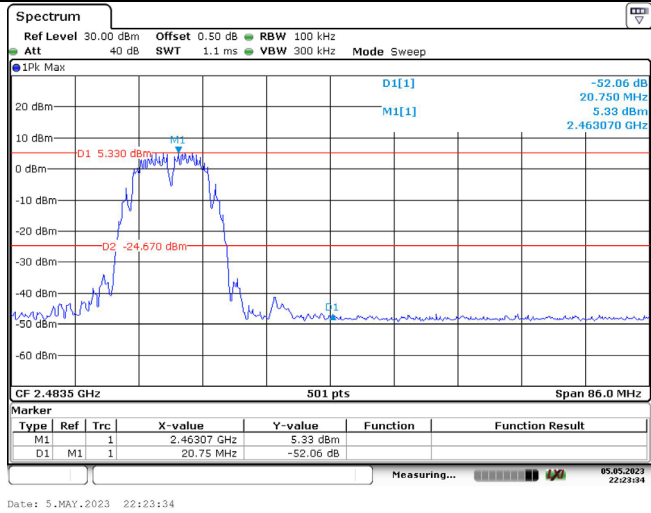
*\* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

### 100 kHz Bandwidth of Frequency Band Edge

802.11b  
Lowest Band edge

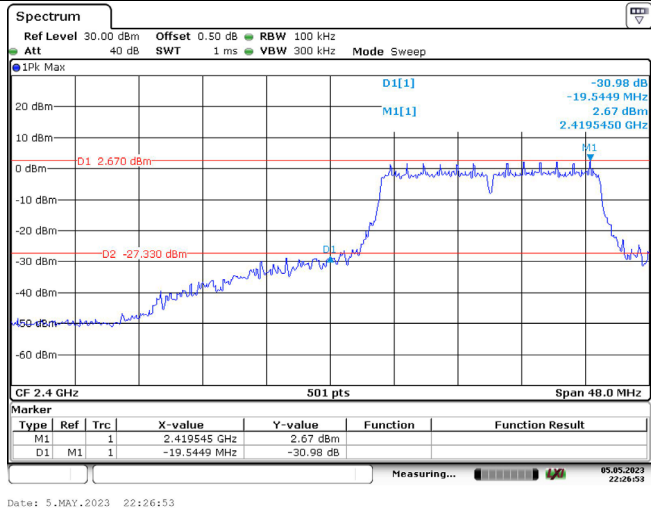


802.11b  
Highest Band edge

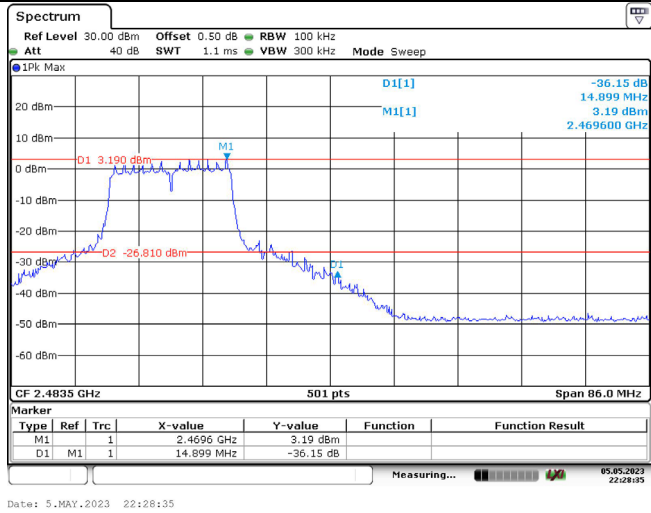


### 100 kHz Bandwidth of Frequency Band Edge

802.11g  
Lowest Band edge

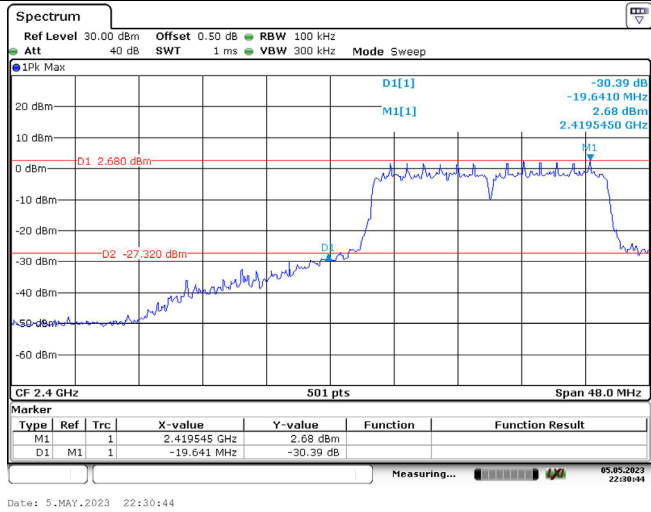


802.11g  
Highest Band edge

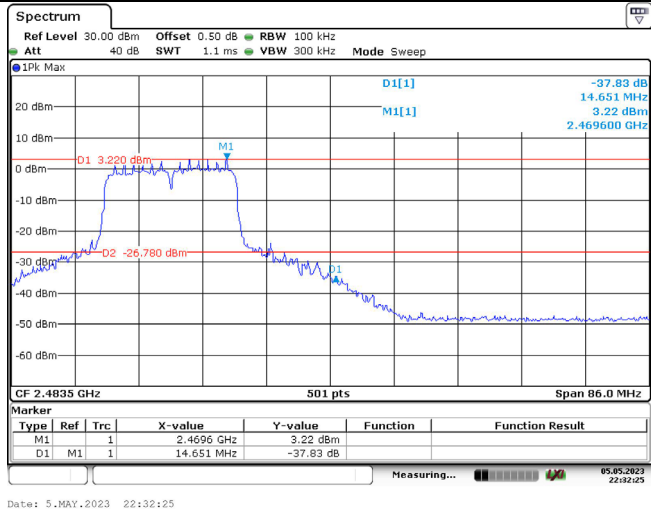


### 100 kHz Bandwidth of Frequency Band Edge

802.11n ht20  
Lowest Band edge



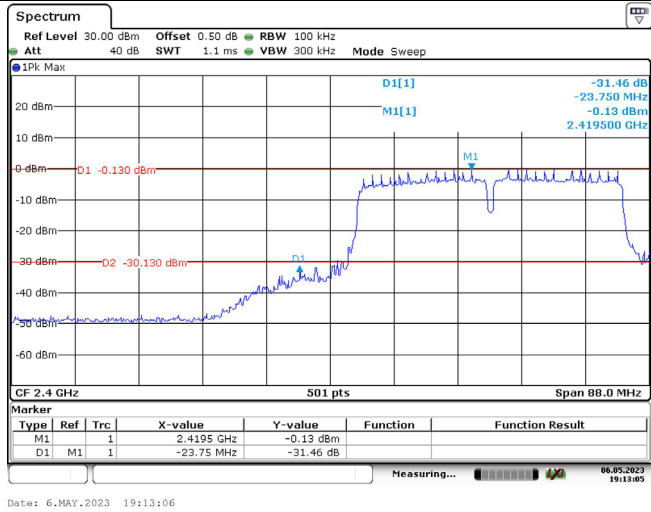
802.11n ht20  
Highest Band edge



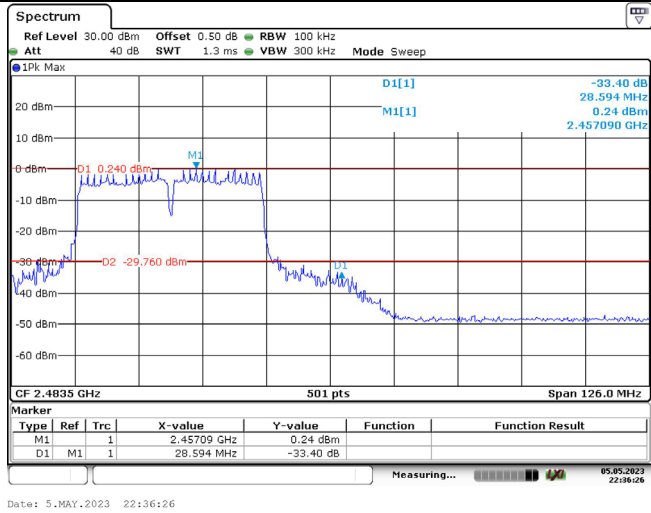


### 100 kHz Bandwidth of Frequency Band Edge

802.11n ht40  
Lowest Band edge



802.11n ht40  
Highest Band edge



**4.8 Duty Cycle:**

|                |                  |              |              |
|----------------|------------------|--------------|--------------|
| Serial Number: | CR22060004-RF-S1 | Test Date:   | 2023/05/12   |
| Test Site:     | RF               | Test Mode:   | Transmitting |
| Tester:        | Morpheus Shi     | Test Result: | N/A          |

**Environmental Conditions:**

|                      |      |                           |    |                        |       |
|----------------------|------|---------------------------|----|------------------------|-------|
| Temperature:<br>(°C) | 23.5 | Relative Humidity:<br>(%) | 59 | ATM Pressure:<br>(kPa) | 100.9 |
|----------------------|------|---------------------------|----|------------------------|-------|

**Test Equipment List and Details:**

| Manufacturer  | Description       | Model     | Serial Number | Calibration Date | Calibration Due Date |
|---------------|-------------------|-----------|---------------|------------------|----------------------|
| R&S           | Spectrum Analyzer | FSV40     | 101474        | 2022/07/15       | 2023/07/14           |
| zhuoxiang     | Coaxial Cable     | SMA-178   | 211001        | Each time        | N/A                  |
| Mini-Circuits | DC Block          | BLK-18-S+ | 1554403       | Each time        | N/A                  |

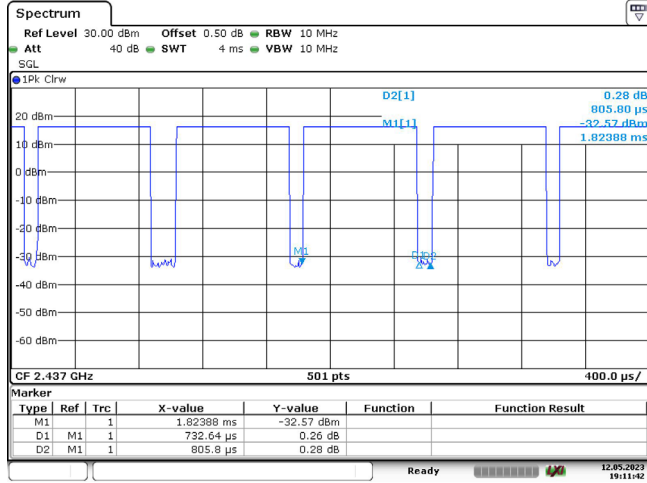
\* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

**Test Data:**

| Test Modes   | Ton (ms) | Ton+off (ms) | Duty cycle (%) | 1/T (Hz) | Duty Factor (dB) |
|--------------|----------|--------------|----------------|----------|------------------|
| 802.11b      | 0.733    | /            | Not constant   | 1364     | /                |
| 802.11g      | 0.121    | /            | Not constant   | 8264     | /                |
| 802.11n ht20 | 0.122    | /            | Not constant   | 8197     | /                |
| 802.11n ht40 | 0.078    | /            | Not constant   | 12821    | /                |

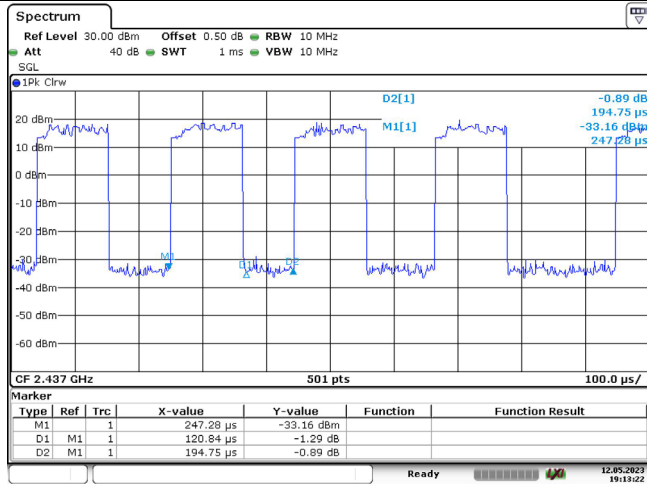
### Duty Cycle

802.11b



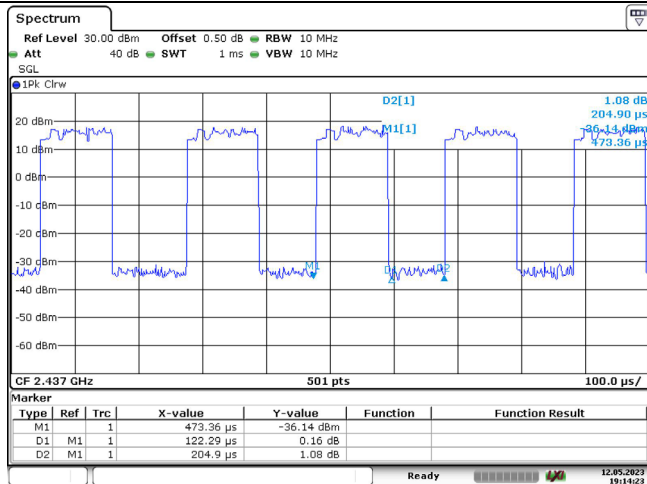
Date: 12.MAY.2023 19:11:42

802.11g

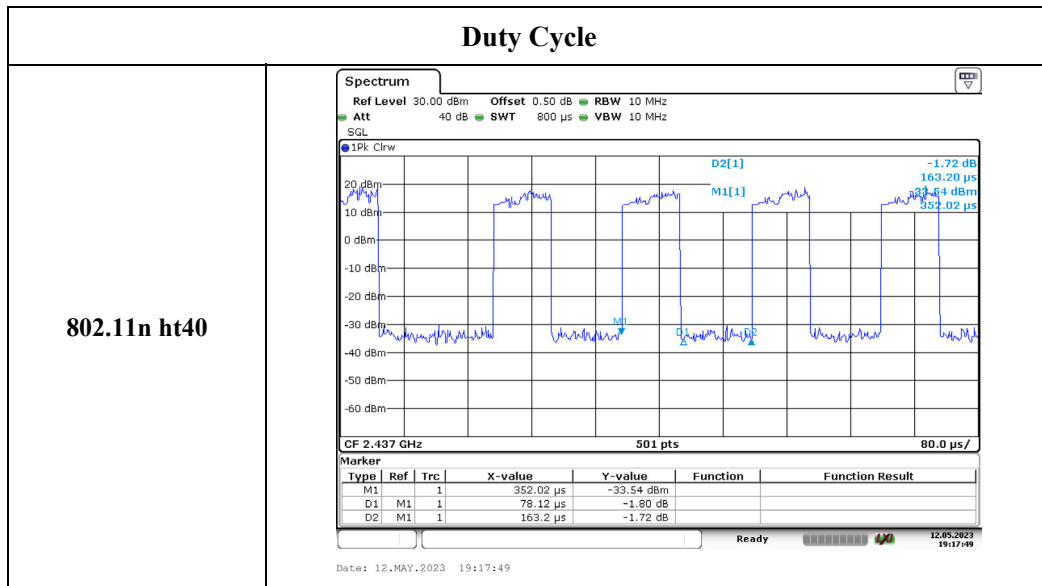


Date: 12.MAY.2023 19:13:22

802.11n ht20



Date: 12.MAY.2023 19:14:23



## 5. RF EXPOSURE EVALUATION

### 5.1 Applicable Standard

According to §1.1307(b)(3)(i)

(C) Or using Table 1 and the minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in Table 1 to apply, R must be at least  $\lambda/2\pi$ , where  $\lambda$  is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of  $\lambda/4$  or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

| RF Source frequency (MHz) | Threshold ERP (watts) |
|---------------------------|-----------------------|
| 0.3-1.34                  | $1,920 R^2$ .         |
| 1.34-30                   | $3,450 R^2/f^2$ .     |
| 30-300                    | $3.83 R^2$ .          |
| 300-1,500                 | $0.0128 R^2f$ .       |
| 1,500-100,000             | $19.2R^2$ .           |

### 5.3 Measurement Result

| Operation Modes | Frequency (MHz) | $\lambda/2\pi$ (mm) | Distance (mm) | Exemption ERP |       | Maximum Conducted Power including Tune-up Tolerance (dBm) | Antenna Gain (dBi) | ERP (dBm) | MPE-Based Exemption |
|-----------------|-----------------|---------------------|---------------|---------------|-------|---|--------------------|-----------|---------------------|
|                 |                 |                     |               | (mW)          | (dBm) |   |                    |           |                     |
| WLAN 2.4G       | 2412-2462       | 19.80               | 200           | 768           | 28.85 | 14  | 0.72               | 12.57     | Compliant           |

Note: The Value of Maximum Conducted Power including Tune-up Tolerance(dBm) was declared by customer.

**Result: The device compliant the MPE-Based Exemption at 20cm distances.**

===== END OF REPORT =====