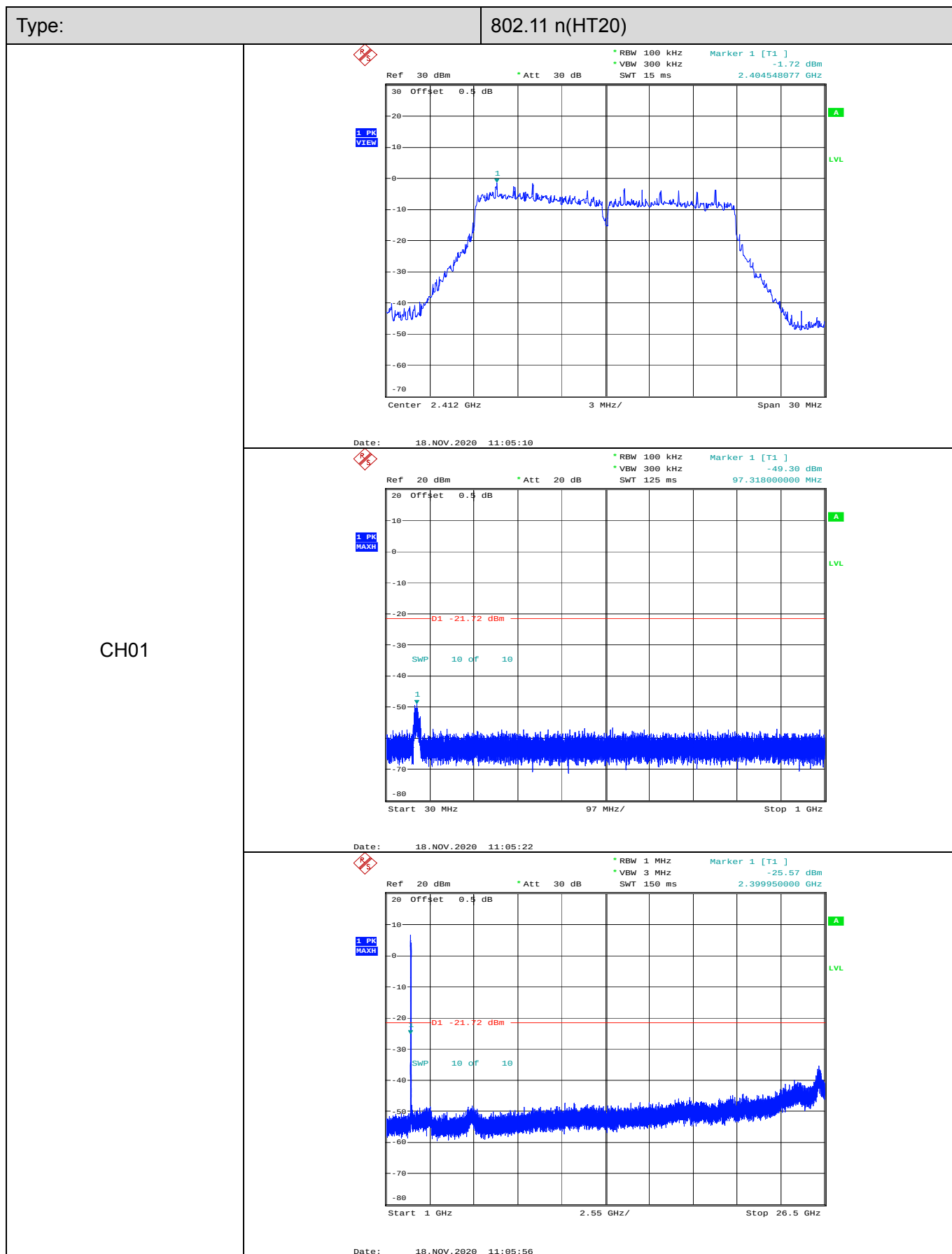




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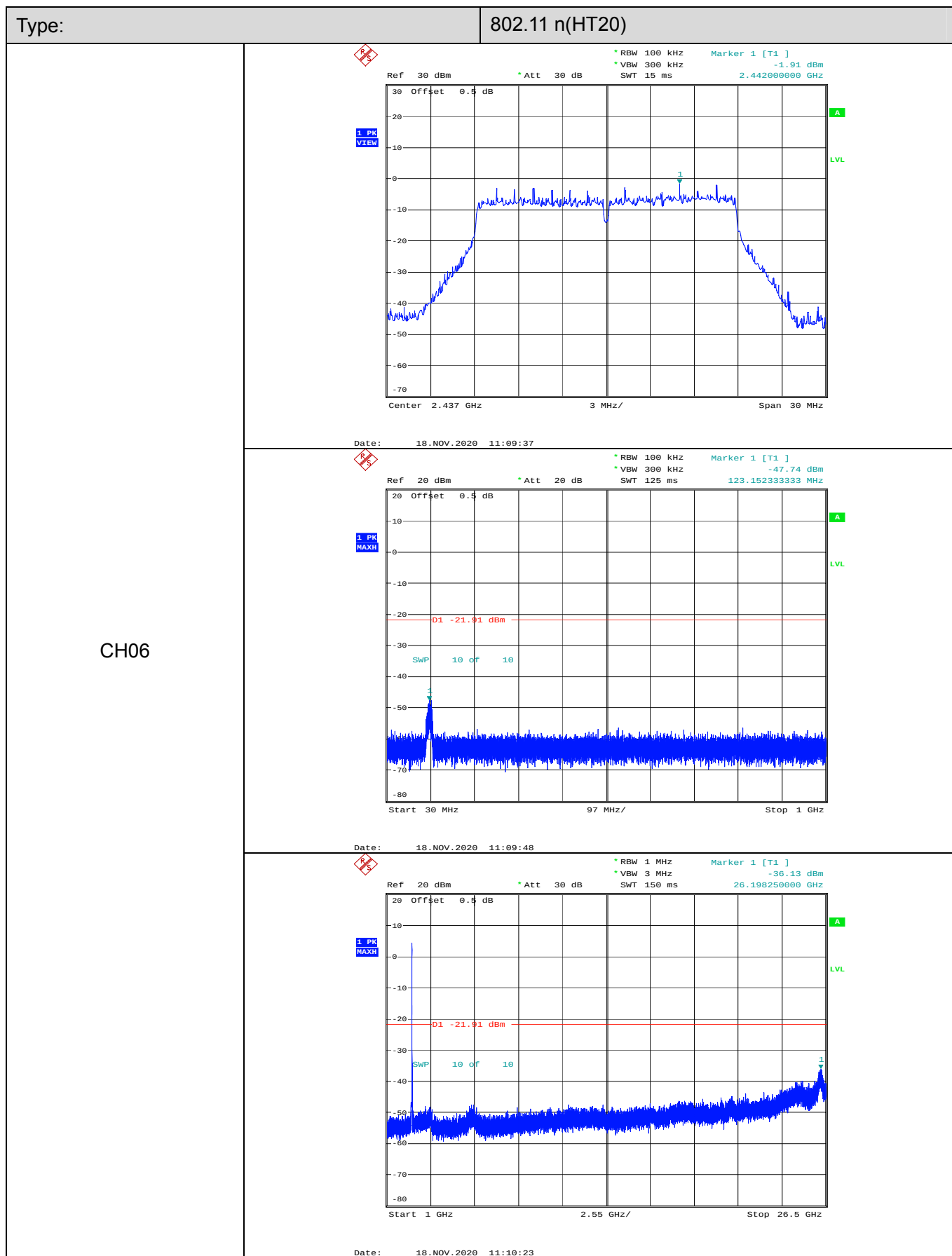
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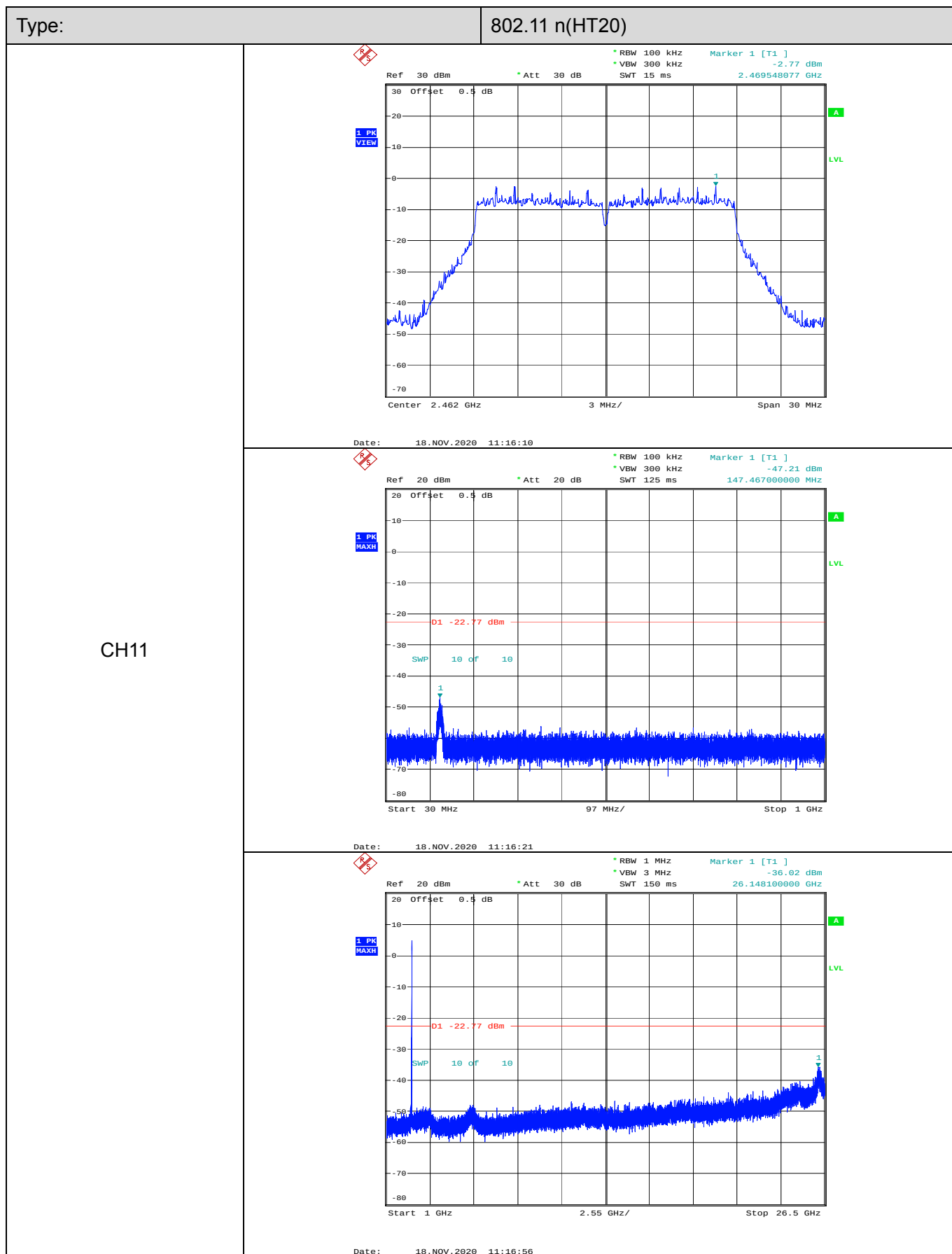
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

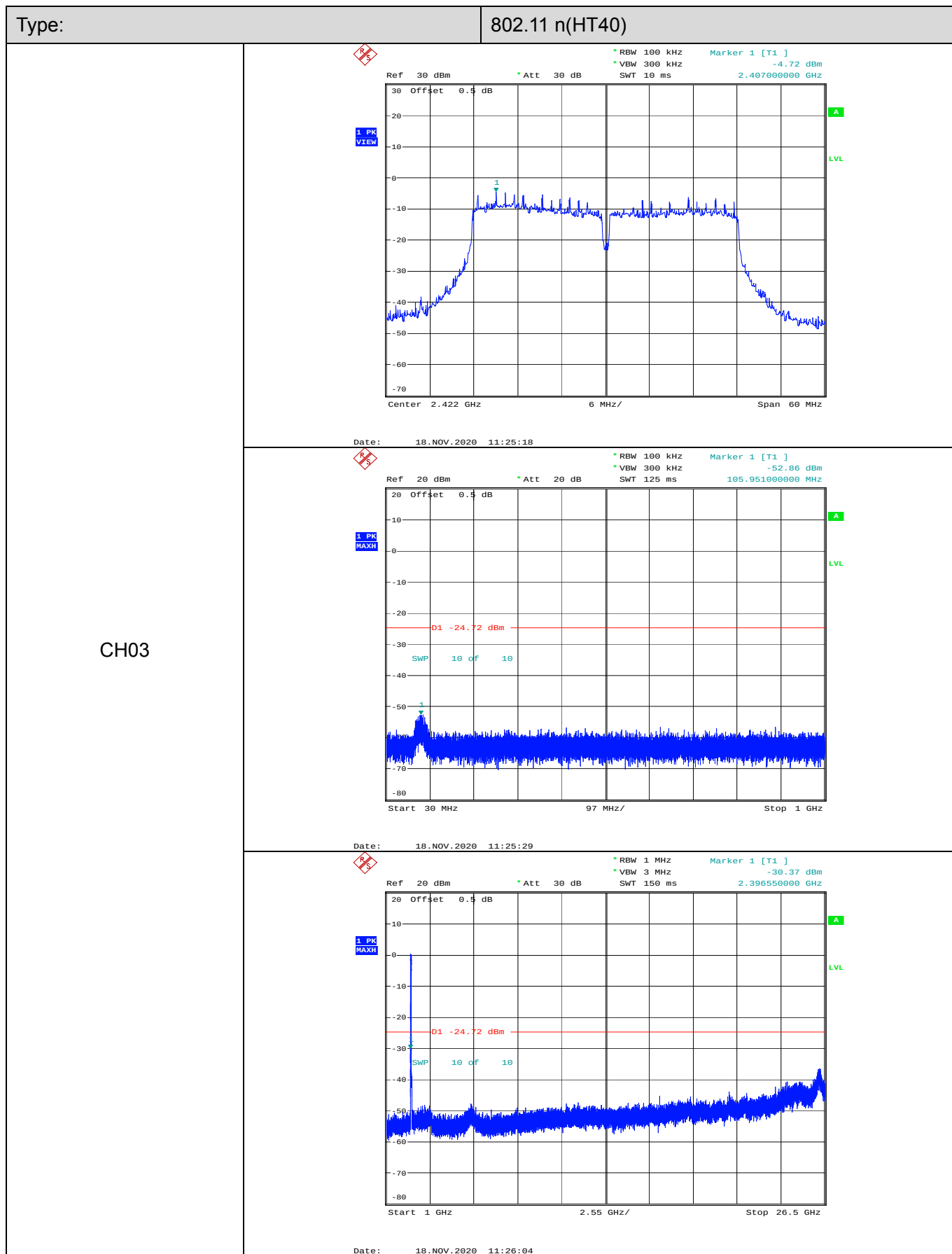
Tel.: (86)755-27521059

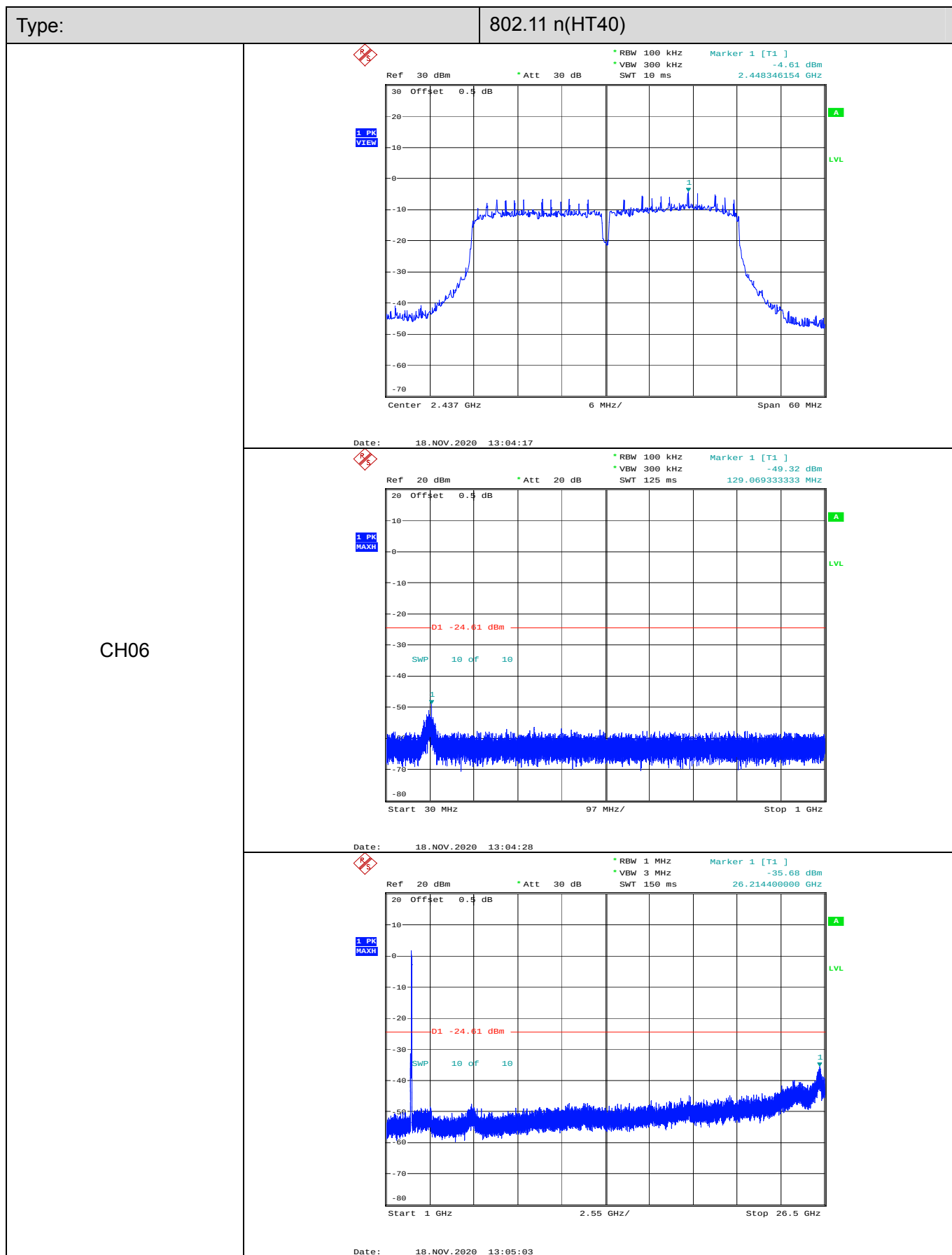
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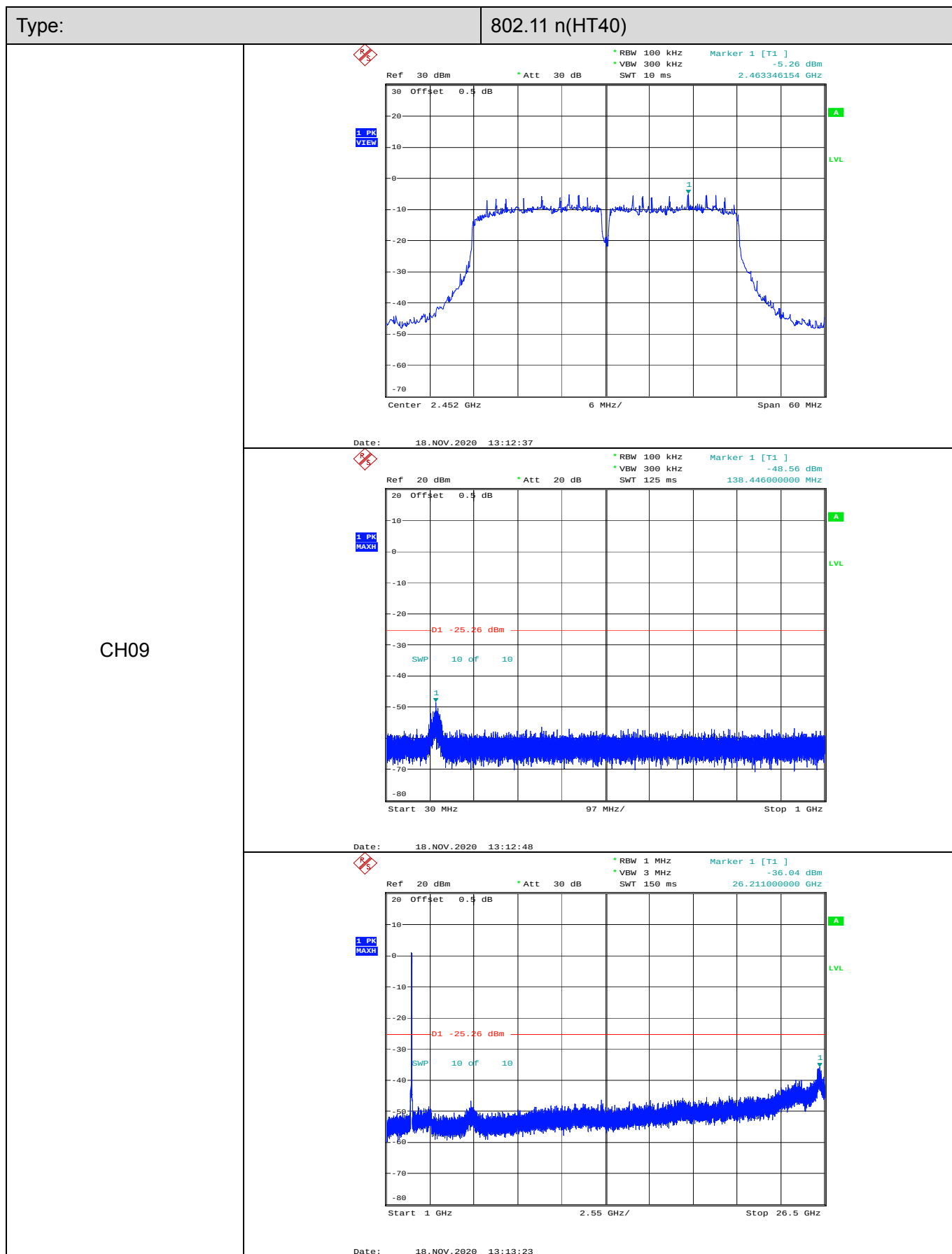
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

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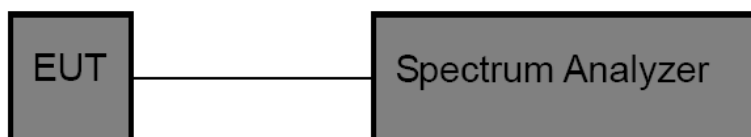
### 3.4. DTS Bandwidth

#### Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(2)/ RSS-247 5.2 a:

| Test Item     | Limit                             | Frequency Range(MHz) |
|---------------|-----------------------------------|----------------------|
| DTS Bandwidth | $\geq 500$ KHz<br>(6dB bandwidth) | 2400~2483.5          |

#### Test Configuration



#### Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
2. DTS Spectrum Setting:
  - (1) Set RBW = 100 kHz.
  - (2) Set the video bandwidth (VBW)  $\geq 3$  RBW.
  - (3) Detector = Peak.
  - (4) Trace mode = Max hold.
  - (5) Sweep = Auto couple.OCB Spectrum Setting:
  - (1) Set RBW = 1% ~ 5% occupied bandwidth.
  - (2) Set the video bandwidth (VBW)  $\geq 3$  RBW.
  - (3) Detector = Peak.
  - (4) Trace mode = Max hold.
  - (5) Sweep = Auto couple.

NOTE: The EUT was set to continuously transmitting in each mode and low, Middle and high channel for the test.

#### Test Mode

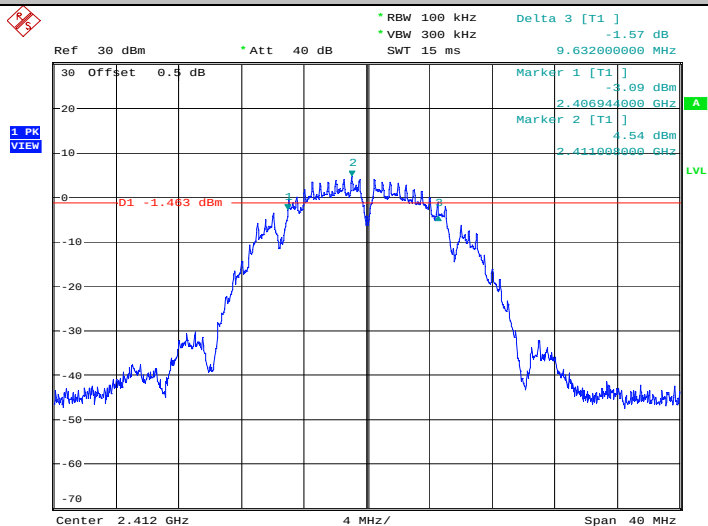
Please refer to the clause 2.4.

**Test Results**

| Test Mode     | Channel | DTS BW [MHz] | Limit [MHz] | Verdict |
|---------------|---------|--------------|-------------|---------|
| 802.11b       | 2412    | 9.632        | $\geq 0.5$  | PASS    |
|               | 2437    | 8.608        | $\geq 0.5$  | PASS    |
|               | 2462    | 10.048       | $\geq 0.5$  | PASS    |
| 802.11g       | 2412    | 16.160       | $\geq 0.5$  | PASS    |
|               | 2437    | 16.416       | $\geq 0.5$  | PASS    |
|               | 2462    | 16.416       | $\geq 0.5$  | PASS    |
| 802.11n(HT20) | 2412    | 16.736       | $\geq 0.5$  | PASS    |
|               | 2437    | 17.600       | $\geq 0.5$  | PASS    |
|               | 2462    | 17.664       | $\geq 0.5$  | PASS    |
| 802.11n(HT40) | 2422    | 35.648       | $\geq 0.5$  | PASS    |
|               | 2437    | 35.264       | $\geq 0.5$  | PASS    |
|               | 2452    | 35.328       | $\geq 0.5$  | PASS    |

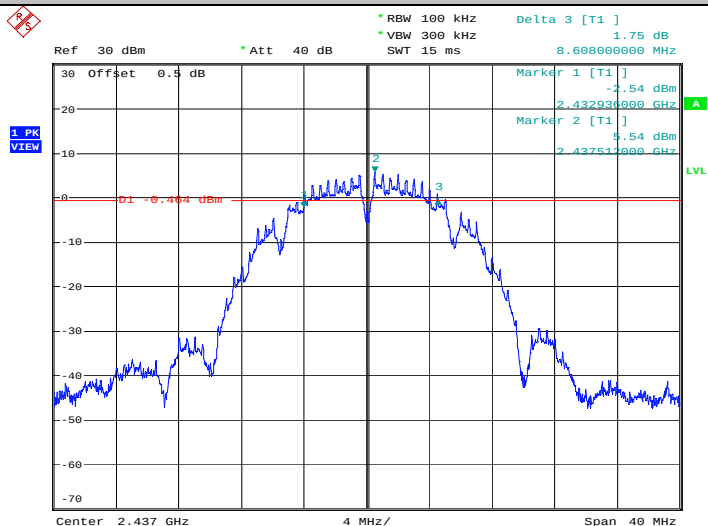


## 802.11b\_2412



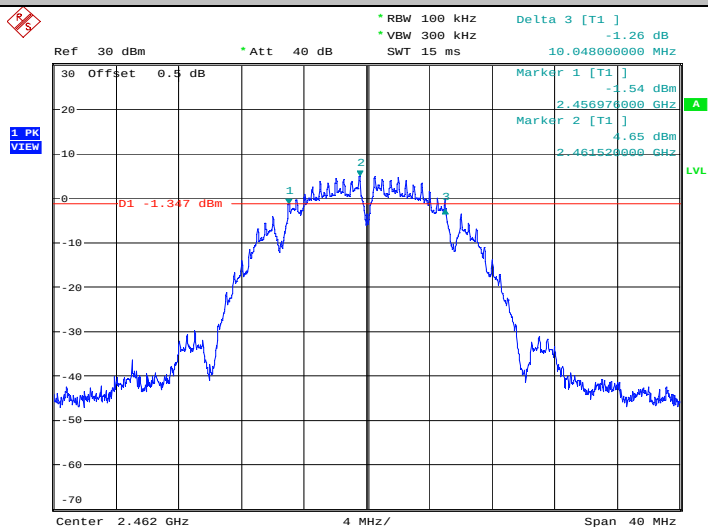
Date: 18.NOV.2020 09:36:35

## 802.11b\_2437



Date: 18.NOV.2020 09:46:26

## 802.11b\_2462



Date: 18.NOV.2020 09:54:00

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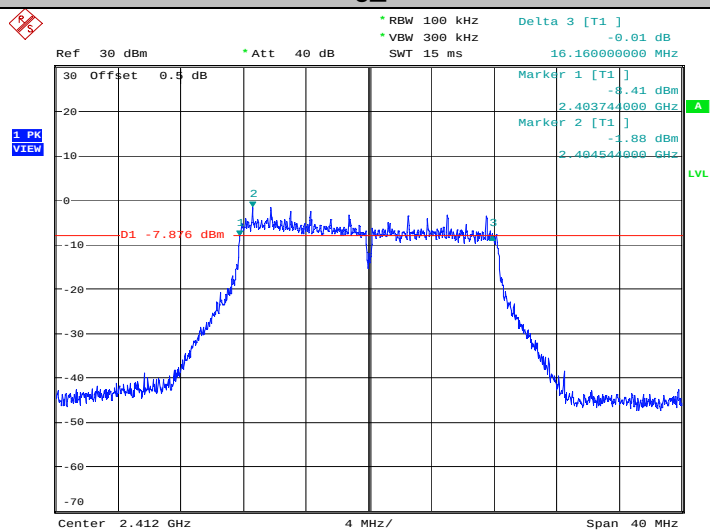
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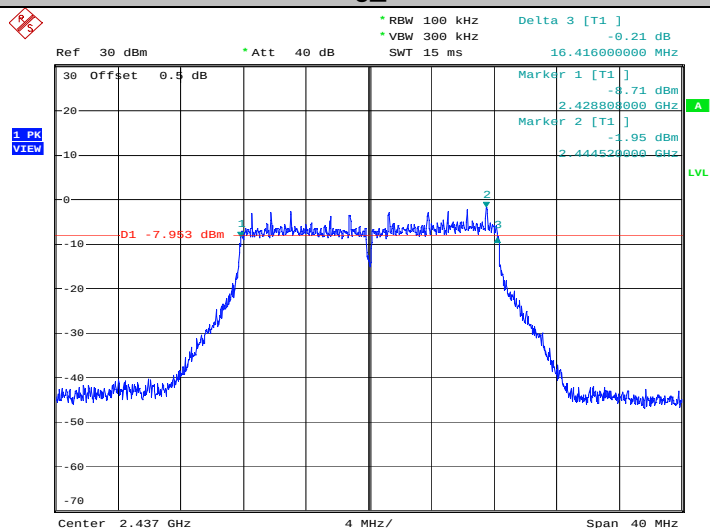
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## 802.11g\_2412



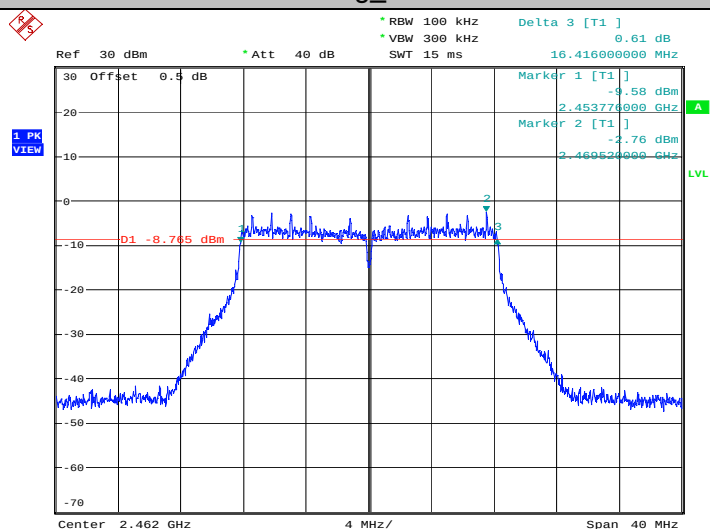
Date: 18.NOV.2020 10:04:14

## 802.11g\_2437



Date: 18.NOV.2020 10:21:29

## 802.11g\_2462



Date: 18.NOV.2020 10:38:49

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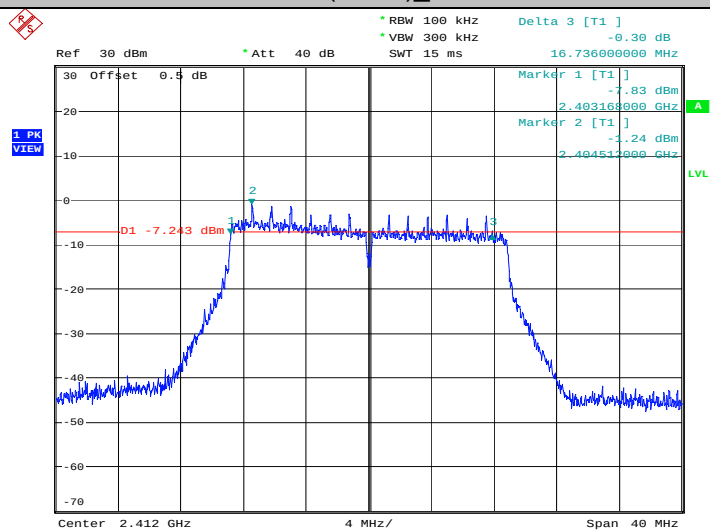
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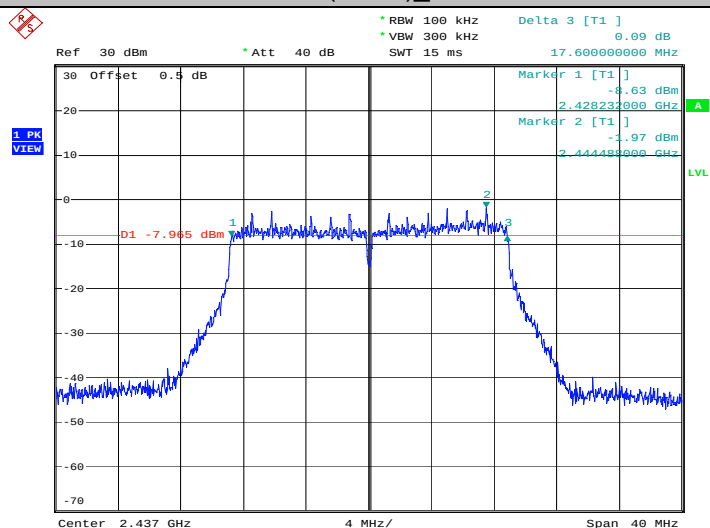


## 802.11n(HT20)\_2412



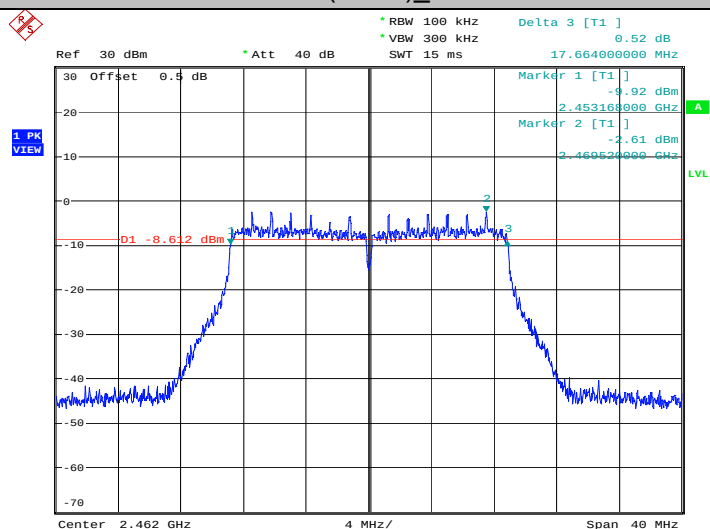
Date: 18.NOV.2020 10:52:12

## 802.11n(HT20)\_2437



Date: 18.NOV.2020 11:07:08

## 802.11n(HT20)\_2462



Date: 18.NOV.2020 11:11:59

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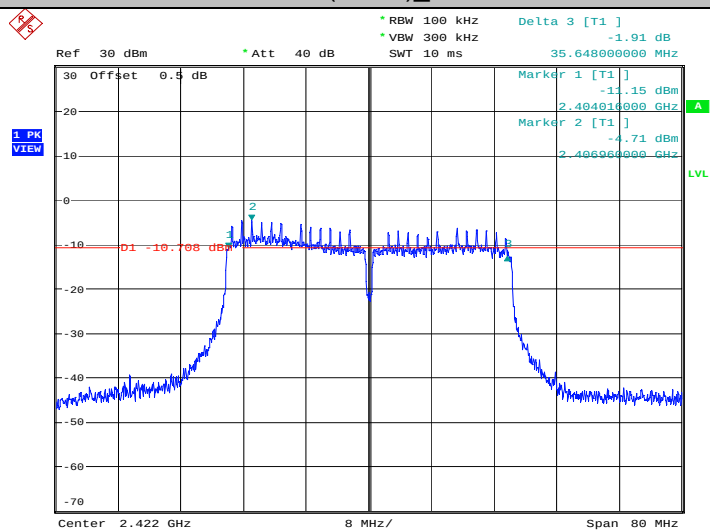
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Fax: (86)755-27521011

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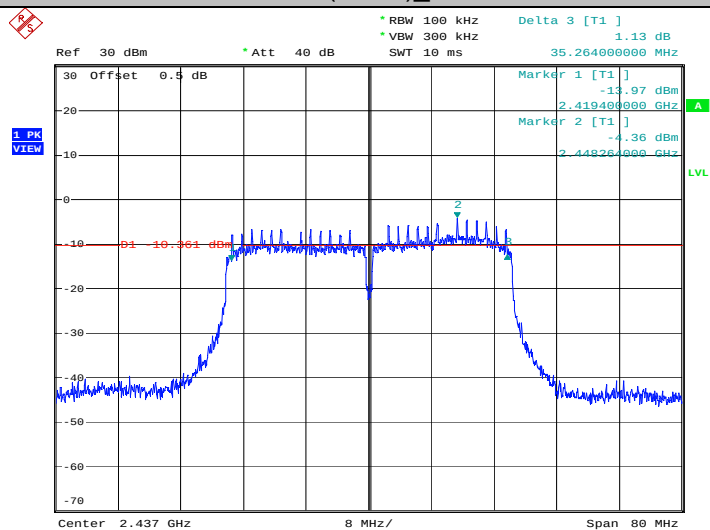
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## 802.11n(HT40)\_2422



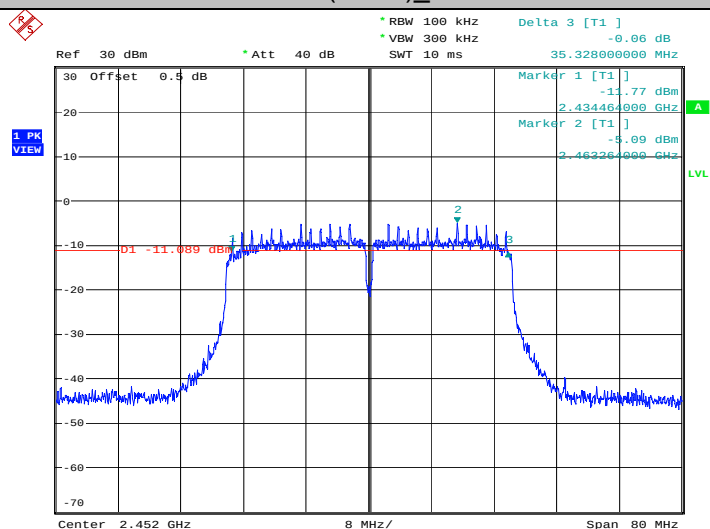
Date: 18.NOV.2020 11:18:10

## 802.11n(HT40)\_2437



Date: 18.NOV.2020 13:00:56

## 802.11n(HT40)\_2452



Date: 18.NOV.2020 13:07:50

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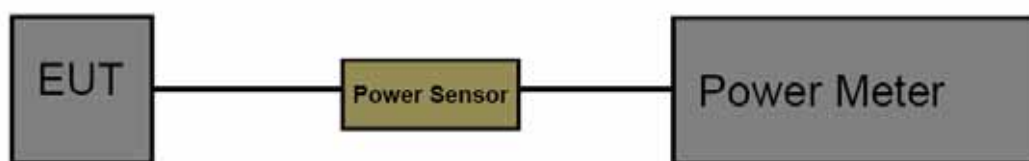
### 3.5. Peak Output Power

#### Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(3)/ RSS-247 5.4:

| Section                 | Test Item                      | Limit           | Frequency Range(MHz) |
|-------------------------|--------------------------------|-----------------|----------------------|
| CFR 47 FCC 15.247(b)(3) | Maximum conducted output power | 1 Watt or 30dBm | 2400~2483.5          |
| ISED RSS-247 5.4 d      | EIRP                           | 4 Watt or 36dBm | 2400~2483.5          |

#### Test Configuration



#### Test Procedure

1. The maximum conducted output power may be measured using a broadband Peak RF power meter.
2. Peak power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor.
3. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.
4. Record the measurement data.

#### Test Mode

Please refer to the clause 2.3

#### Test Result