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# FCC Test Report

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Report No.: AGC01343151101FE04

**FCC ID** : 2AGNJNOVA35  
**APPLICATION PURPOSE** : Original Equipment  
**PRODUCT DESIGNATION** : mobile phone  
**BRAND NAME** : blood  
**MODEL NAME** : Nova 3.5  
**CLIENT** : TECHNO GENESIS S.A.S  
**DATE OF ISSUE** : Nov.23, 2015  
**STANDARD(S)** : FCC Part 15.247  
**TEST PROCEDURE(S)** : KDB 558074 v03r02  
**REPORT VERSION** : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd



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### Report Revise Record

| Report Version | Revise Time | Issued Date  | Valid Version | Notes           |
|----------------|-------------|--------------|---------------|-----------------|
| V1.0           | /           | Nov.23, 2015 | Valid         | Original Report |

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## 1. VERIFICATION OF CONFORMITY

|                                 |                                                                              |
|---------------------------------|------------------------------------------------------------------------------|
| <b>Applicant</b>                | TECHNO GENESIS S.A.S                                                         |
| <b>Address</b>                  | CARRERA 51B # 82 - 254 PISO 5 OFICINA 72 CC. Bahia,<br>Barranquilla-Colombia |
| <b>Manufacturer</b>             | Dika International Group Limited                                             |
| <b>Address</b>                  | RM 19C LOCKHART CTR 301-307 LOCKHART WAN CHAI HONG KONG                      |
| <b>Product Designation</b>      | mobile phone                                                                 |
| <b>Brand Name</b>               | blood                                                                        |
| <b>Test Model</b>               | Nova 3.5                                                                     |
| <b>Date of test</b>             | Nov.17, 2015 to Nov.20, 2015                                                 |
| <b>Deviation</b>                | None                                                                         |
| <b>Condition of Test Sample</b> | Normal                                                                       |
| <b>Report Template</b>          | AGCRT-US-BGN/RF                                                              |

We hereby certify that:

The above equipment was tested by Dongguan Precise Testing Service Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2009) and the energy emitted by the sample EUT tested as described in this report is in compliance with requirement of FCC Part 15 Rules requirement.

Tested By

*Matt Zhang*

Matt Zhang(Zhang Liang)

Nov.23, 2015

Reviewed By

*Bart Xie*

Bart Xie(Xie Xiaobin)

Nov.23, 2015

Approved By

*Solger Zhang*

Solger Zhang(Zhang Hongyi)  
Authorized Officer

Nov.23, 2015

## 2. GENERAL INFORMATION

### 2.1. PRODUCT DESCRIPTION

The EUT is designed as “mobile phone”. It is designed by way of utilizing the DSSS and OFDM technology to achieve the system operation.

A major technical description of EUT is described as following

|                            |                                                                                                    |
|----------------------------|----------------------------------------------------------------------------------------------------|
| <b>Operation Frequency</b> | 2.412 GHz~2.462GHz                                                                                 |
| <b>Output Power</b>        | IEEE 802.11b:10.51dBm; IEEE 802.11g:9.12dBm;<br>IEEE 802.11n(20):8.87dBm; IEEE 802.11n(40):7.24dBm |
| <b>Modulation</b>          | DSSS(DBPSK/DQPSK/CCK);OFDM(BPSK/QPSK/16-QAM/64-QAM)                                                |
| <b>Number of channels</b>  | 11                                                                                                 |
| <b>Hardware Version</b>    | HCT-Z85MB_B4                                                                                       |
| <b>Software Version</b>    | z85-py-blood-s351-hvga-gg-nand-32g4g-kk_Blood_Nova3.5_V.10<br>_2015_11_21_release                  |
| <b>Antenna Designation</b> | Integrated Antenna                                                                                 |
| <b>Antenna Gain</b>        | 0.8dBi                                                                                             |
| <b>Power Supply</b>        | DC3.7V by Built-in Li-ion Battery                                                                  |

### 2.2. TABLE OF CARRIER FREQUENCIES

| Frequency Band | Channel Number | Frequency |
|----------------|----------------|-----------|
| 2400~2483.5MHZ | 1              | 2412 MHZ  |
|                | 2              | 2417 MHZ  |
|                | 3              | 2422 MHZ  |
|                | 4              | 2427 MHZ  |
|                | 5              | 2432 MHZ  |
|                | 6              | 2437 MHZ  |
|                | 7              | 2442 MHZ  |
|                | 8              | 2447 MHZ  |
|                | 9              | 2452 MHZ  |
|                | 10             | 2457 MHZ  |
|                | 11             | 2462 MHZ  |

Note: For 20MHZ bandwidth system use Channel 1 to Channel 11  
For 40MHZ bandwidth system use Channel 3 to Channel 9

### 2.3. IEEE 802.11N MODULATION SCHEME

| MCS Index | Nss | Modulation | R   | NBPSC | NCBPS |       | NDBPS |       | Data rate(Mbps) |       |
|-----------|-----|------------|-----|-------|-------|-------|-------|-------|-----------------|-------|
|           |     |            |     |       |       |       |       |       | 800nsGI         |       |
|           |     |            |     |       | 20MHz | 40MHz | 20MHz | 40MHz | 20MHz           | 40MHz |
| 0         | 1   | BPSK       | 1/2 | 1     | 52    | 108   | 26    | 54    | 6.5             | 13.5  |
| 1         | 1   | QPSK       | 1/2 | 2     | 104   | 216   | 52    | 108   | 13.0            | 27.0  |
| 2         | 1   | QPSK       | 3/4 | 2     | 104   | 216   | 78    | 162   | 19.5            | 40.5  |
| 3         | 1   | 16-QAM     | 1/2 | 4     | 208   | 432   | 104   | 216   | 26.0            | 54.0  |
| 4         | 1   | 16-QAM     | 3/4 | 4     | 208   | 432   | 156   | 324   | 39.0            | 81.0  |
| 5         | 1   | 64-QAM     | 2/3 | 6     | 312   | 648   | 208   | 432   | 52.0            | 108.0 |
| 6         | 1   | 64-QAM     | 3/4 | 6     | 312   | 648   | 234   | 489   | 58.5            | 121.5 |
| 7         | 1   | 64-QAM     | 5/6 | 6     | 312   | 648   | 260   | 540   | 65.0            | 135.0 |

| Symbol | Explanation                             |
|--------|-----------------------------------------|
| NSS    | Number of spatial streams               |
| R      | Code rate                               |
| NBPSC  | Number of coded bits per single carrier |
| NCBPS  | Number of coded bits per symbol         |
| NDBPS  | Number of data bits per symbol          |
| GI     | Guard interval                          |

### 2.4. RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: 2AGNJNOVA35** filing to comply with the FCC Part 15 requirements.

### 2.5. TEST METHODOLOGY

Both conducted and radiated testing was performed according to the procedures in ANSI C63.4 (2009).

Radiated testing was performed at an antenna to EUT distance 3 meters.

Others testing (listed at item 5.3) was performed according to the procedures in FCC Part 15.247 rules KDB 558074 D01 DTS Meas Guidance v03r02.

### 2.6. SPECIAL ACCESSORIES

Refer to section 5.2.

### 2.7. EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

### 3. MEASUREMENT UNCERTAINTY

Conducted measurement: +/- 2.75dB

Radiated measurement: +/- 3.2dB

### 4. DESCRIPTION OF TEST MODES

| NO. | TEST MODE DESCRIPTION |
|-----|-----------------------|
| 1   | Low channel TX        |
| 2   | Middle channel TX     |
| 3   | High channel TX       |
| 4   | Normal operating      |

Note:  
Transmit by 802.11b with Data rate (1/2/5.5/11)  
Transmit by 802.11g with Data rate (6/9/12/18/24/36/48/54)  
Transmit by 802.11n (20MHz) with Data rate (6.5/13/19.5/26/39/52/58.5/65)  
Transmit by 802.11n (40MHz) with Data rate  
(13.5/27/40.5/54/81/108/121.5/135)

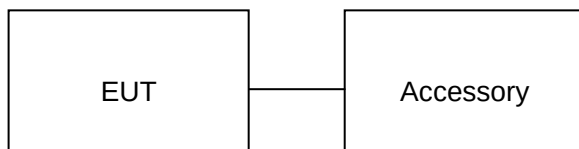
**Note:**

1. The EUT has been set to operate continuously on the lowest, middle and highest operation frequency Individually, and the eut is operating at its maximum duty cycle>or equal 98%
2. All modes under which configure applicable have been tested and the worst mode test data recording in the test report, if no other mode data.
3. For Radiated Emission, 3axis were chosen for testing for each applicable mode.

## 5. SYSTEM TEST CONFIGURATION

### 5.1. CONFIGURATION OF EUT SYSTEM

Configure:



### 5.2. EQUIPMENT USED IN EUT SYSTEM

| Item | Equipment    | Model No. | ID or Specification | Note      |
|------|--------------|-----------|---------------------|-----------|
| 1    | Mobile Phone | Nova 3.5  | FCC ID: 2AGNJNOVA35 | EUT       |
| 2    | Adapter      | Nova 3.5  | DC5V, 700mA         | Accessory |
| 3    | Battery      | N/A       | DC3.7V/1350mAh      | Accessory |
| 4    | Earphone     | N/A       | N/A                 | Accessory |
| 5    | USB Cable    | N/A       | N/A                 | Accessory |

Note: All the accessories have been used during the test in conduction emission test.

### 5.3. SUMMARY OF TEST RESULTS

| FCC RULES | DESCRIPTION OF TEST                             | RESULT    |
|-----------|-------------------------------------------------|-----------|
| §15.247   | Output Power                                    | Compliant |
| §15.247   | 6 dB Bandwidth                                  | Compliant |
| §15.247   | Conducted Spurious Emission                     | Compliant |
| §15.247   | Maximum Conducted Output Power SPECTRAL Density | Compliant |
| §15.209   | Radiated Emission                               | Compliant |
| §15.247   | Band Edges                                      | Compliant |
| §15.207   | Line Conduction Emission                        | Compliant |

**Note:** The EUT received power from DC3.7V lithium battery.

## 6. TEST FACILITY

|                             |                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Site</b>                 | Dongguan Precise Testing Service Co., Ltd.                                                             |
| <b>Location</b>             | Building D,Baoding Technology Park,Guangming Road2,Dongcheng District,<br>Dongguan, Guangdong, China,  |
| <b>FCC Registration No.</b> | 371540                                                                                                 |
| <b>Description</b>          | The test site is constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2009. |

## ALL TEST EQUIPMENT LIST

FOR RADIATED EMISSION TEST (BELOW 1GHZ)

| Radiated Emission Test Site         |                 |              |               |                  |                 |
|-------------------------------------|-----------------|--------------|---------------|------------------|-----------------|
| Name of Equipment                   | Manufacturer    | Model Number | Serial Number | Last Calibration | Due Calibration |
| EMI Test Receiver                   | Rohde & Schwarz | ESCI         | 101417        | July 4, 2015     | July 3, 2016    |
| Trilog Broadband Antenna (25M-1GHz) | SCHWARZBECK     | VULB9160     | 9160-3355     | July 4, 2015     | July 3, 2016    |
| Signal Amplifier                    | SCHWARZBECK     | BBV 9475     | 9745-0013     | July 4, 2015     | July 3, 2016    |
| RF Cable                            | SCHWARZBECK     | AK9515E      | 96221         | July 4, 2015     | July 3, 2016    |
| 3m Anechoic Chamber                 | CHENGYU         | 966          | PTS-001       | June 6, 2015     | June 5, 2016    |
| MULTI-DEVICE Positioning Controller | Max-Full        | MF-7802      | MF780208339   | N/A              | N/A             |
| Active loop antenna (9K-30MHz)      | Schwarzbeck     | FMZB1519     | 1519-038      | June 6, 2015     | June 5, 2016    |
| Spectrum analyzer                   | Agilent         | E4407B       | MY46185649    | June 6, 2015     | June 5, 2016    |
| Power Probe                         | R&S             | NRP-Z23      | 100323        | July 25,2015     | July 24,2016    |
| RF attenuator                       | N/A             | RFA20db      | 68            | N/A              | N/A             |

FOR RADIATED EMISSION TEST (1GHZ ABOVE)

| Radiated Emission Test Site         |                 |              |               |                  |                 |
|-------------------------------------|-----------------|--------------|---------------|------------------|-----------------|
| Name of Equipment                   | Manufacturer    | Model Number | Serial Number | Last Calibration | Due Calibration |
| EMI Test Receiver                   | Rohde & Schwarz | ESCI         | 101417        | July 4, 2015     | July 3, 2016    |
| Horn Antenna (1G-18GHz)             | SCHWARZBECK     | BBHA9120D    | 9120D-1246    | July 11, 2015    | July 10, 2016   |
| Spectrum Analyzer                   | Agilent         | E4411B       | MY4511453     | July 4, 2015     | July 3, 2016    |
| Signal Amplifier                    | SCHWARZBECK     | BBV 9718     | 9718-269      | July 7, 2015     | July 6, 2016    |
| RF Cable                            | SCHWARZBECK     | AK9515H      | 96220         | July 8, 2015     | July 7, 2016    |
| 3m Anechoic Chamber                 | CHENGYU         | 966          | PTS-001       | June 6, 2015     | June 5, 2016    |
| MULTI-DEVICE Positioning Controller | Max-Full        | MF-7802      | MF780208339   | N/A              | N/A             |
| Horn Ant (18G-40GHz)                | Schwarzbeck     | BBHA 9170    | 9170-181      | June 6, 2015     | June 5, 2016    |
| Power Probe                         | R&S             | NRP-Z23      | 100323        | July 25,2015     | July 24,2016    |
| RF attenuator                       | N/A             | RFA20db      | 68            | N/A              | N/A             |

| Conducted Emission Test Site   |                 |              |               |                  |                 |
|--------------------------------|-----------------|--------------|---------------|------------------|-----------------|
| Name of Equipment              | Manufacturer    | Model Number | Serial Number | Last Calibration | Due Calibration |
| EMI Test Receiver              | Rohde & Schwarz | ESCI         | 101417        | July 4, 2015     | July 3, 2016    |
| Artificial Mains Network       | Narda           | L2-16B       | 000WX31025    | July 8, 2015     | July 7, 2016    |
| Artificial Mains Network (AUX) | Narda           | L2-16B       | 000WX31026    | July 8, 2015     | July 7, 2016    |
| RF Cable                       | SCHWARZBECK     | AK9515E      | 96222         | July 4, 2015     | July 3, 2016    |
| Shielded Room                  | CHENGYU         | 843          | PTS-002       | June 6,2015      | June 5,2016     |

## **7. OUTPUT POWER**

### **7.1. MEASUREMENT PROCEDURE**

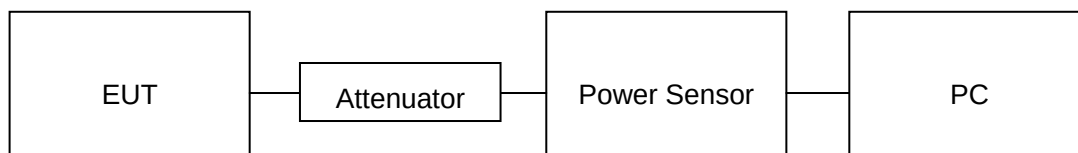
For max average conducted output power test:

1. Connect EUT RF output port to power probe through an RF attenuator.
2. Connect the power probe to the PC.
3. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
4. Record the maximum power from the software.

**Note :** The EUT was tested according to KDB 558074v03r02 for compliance to FCC 47CFR 15.247 requirements.

## 7.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

### AVERAGE POWER SETUP



### 7.3. LIMITS AND MEASUREMENT RESULT

|                  |                          |
|------------------|--------------------------|
| <b>TEST ITEM</b> | OUTPUT POWER             |
| <b>TEST MODE</b> | 802.11b with data rate 1 |

| Frequency (GHz) | Average Power (dBm) | Applicable Limits (dBm) | Pass or Fail |
|-----------------|---------------------|-------------------------|--------------|
| 2.412           | 10.51               | 30                      | Pass         |
| 2.437           | 10.44               | 30                      | Pass         |
| 2.462           | 10.36               | 30                      | Pass         |

|                  |                          |
|------------------|--------------------------|
| <b>TEST ITEM</b> | OUTPUT POWER             |
| <b>TEST MODE</b> | 802.11g with data rate 6 |

| Frequency (GHz) | Average Power (dBm) | Applicable Limits (dBm) | Pass or Fail |
|-----------------|---------------------|-------------------------|--------------|
| 2.412           | 9.12                | 30                      | Pass         |
| 2.437           | 9.05                | 30                      | Pass         |
| 2.462           | 9.03                | 30                      | Pass         |

|                  |                               |
|------------------|-------------------------------|
| <b>TEST ITEM</b> | OUTPUT POWER                  |
| <b>TEST MODE</b> | 802.11n 20 with data rate 6.5 |

| Frequency (GHz) | Average Power (dBm) | Applicable Limits (dBm) | Pass or Fail |
|-----------------|---------------------|-------------------------|--------------|
| 2.412           | 8.87                | 30                      | Pass         |
| 2.437           | 8.67                | 30                      | Pass         |
| 2.462           | 8.64                | 30                      | Pass         |

|                  |                                |
|------------------|--------------------------------|
| <b>TEST ITEM</b> | OUTPUT POWER                   |
| <b>TEST MODE</b> | 802.11n 40 with data rate 13.5 |

| <b>Frequency<br/>(GHz)</b> | <b>Average Power<br/>(dBm)</b> | <b>Applicable Limits<br/>(dBm)</b> | <b>Pass or Fail</b> |
|----------------------------|--------------------------------|------------------------------------|---------------------|
| 2.422                      | 7.24                           | 30                                 | Pass                |
| 2.437                      | 7.18                           | 30                                 | Pass                |
| 2.452                      | 7.11                           | 30                                 | Pass                |

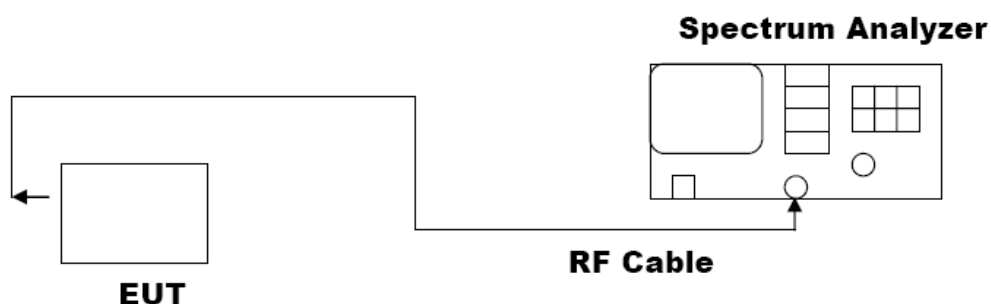
## 8. 6DB BANDWIDTH

### 8.1. MEASUREMENT PROCEDURE

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set SPA Centre Frequency = Operation Frequency, RBW= 100 KHz, VBW $\geq$ 3 $\times$ RBW.
4. Set SPA Trace 1 Max hold, then View.

**Note:** The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

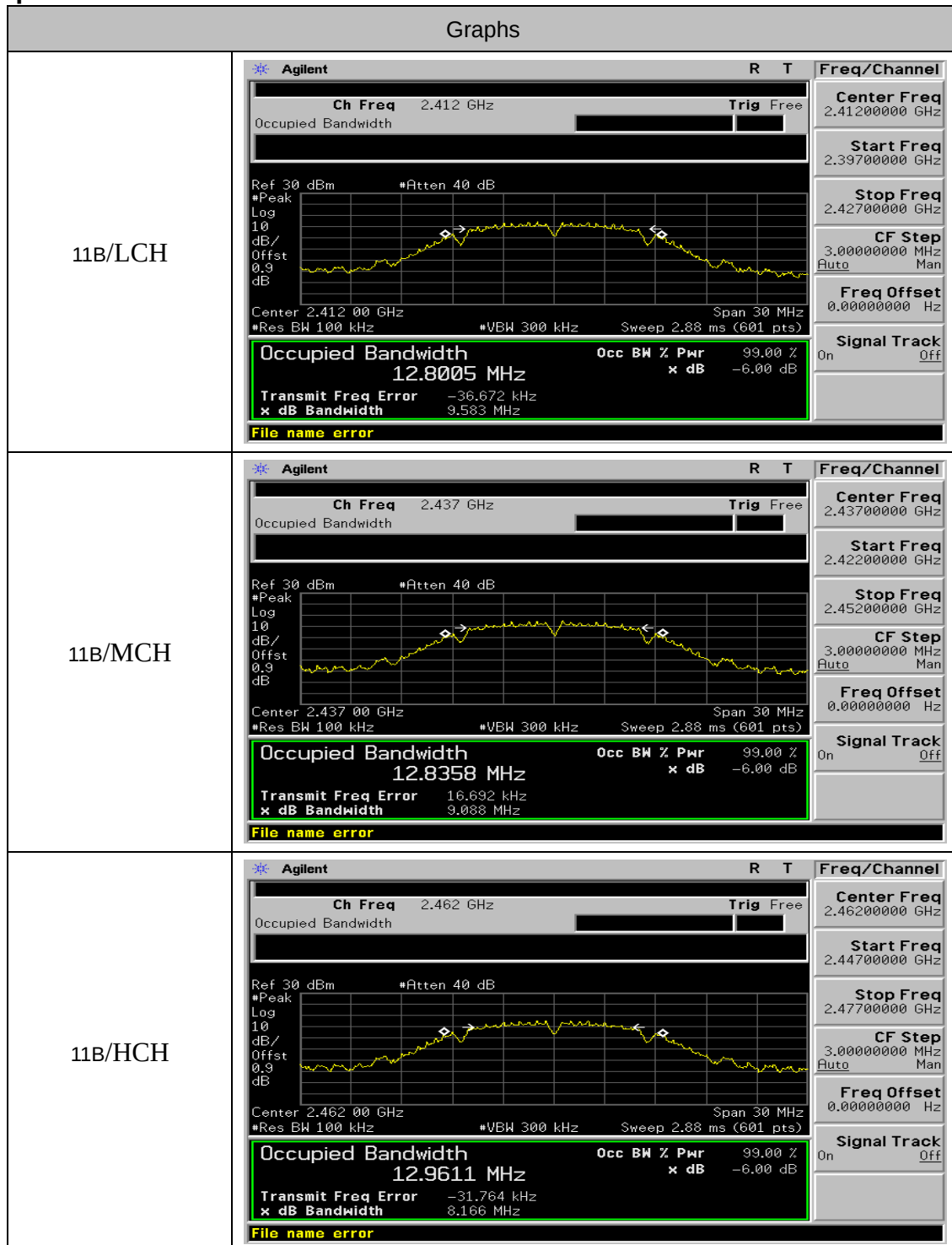
### 8.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



### 8.3. LIMITS AND MEASUREMENT RESULTS

| Mode      | Channel | 6dB Bandwidth [MHz] | OBW [MHz] | Verdict |
|-----------|---------|---------------------|-----------|---------|
| 11B       | LCH     | 9.58                | 12.80     | PASS    |
| 11B       | MCH     | 9.09                | 12.84     | PASS    |
| 11B       | HCH     | 8.17                | 12.96     | PASS    |
| 11G       | LCH     | 15.73               | 16.37     | PASS    |
| 11G       | MCH     | 14.87               | 16.38     | PASS    |
| 11G       | HCH     | 14.27               | 16.37     | PASS    |
| 11N20SISO | LCH     | 16.91               | 17.54     | PASS    |
| 11N20SISO | MCH     | 14.01               | 17.56     | PASS    |
| 11N20SISO | HCH     | 14.19               | 17.57     | PASS    |
| 11N40SISO | LCH     | 35.15               | 35.77     | PASS    |
| 11N40SISO | MCH     | 35.25               | 35.81     | PASS    |
| 11N40SISO | HCH     | 35.25               | 35.81     | PASS    |

## Test Graph



|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11G/LCH | <div><div>Agilent</div><div><div>Ch Freq 2.412 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div><div>Ref 30 dBm</div><div>*Atten 40 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>0.9</div><div>dB</div></div></div><div><div>Center 2.412 00 GHz</div><div>*Res BW 100 kHz</div><div>*VBW 300 kHz</div><div>Sweep 2.88 ms (601 pts)</div><div>Span 30 MHz</div></div><div><div>Occupied Bandwidth</div><div>16.3704 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div><div>Transmit Freq Error 1.764 kHz</div><div>x dB Bandwidth 15.728 MHz</div></div><div>File name error</div></div> <div><div>Freq/Channel</div><div>Center Freq 2.41200000 GHz</div><div>Start Freq 2.39700000 GHz</div><div>Stop Freq 2.42700000 GHz</div><div>CF Step 3.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div>  |
| 11G/MCH | <div><div>Agilent</div><div><div>Ch Freq 2.437 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div><div>Ref 30 dBm</div><div>*Atten 40 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>0.9</div><div>dB</div></div></div><div><div>Center 2.437 00 GHz</div><div>*Res BW 100 kHz</div><div>*VBW 300 kHz</div><div>Sweep 2.88 ms (601 pts)</div><div>Span 30 MHz</div></div><div><div>Occupied Bandwidth</div><div>16.3791 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div><div>Transmit Freq Error -8.254 kHz</div><div>x dB Bandwidth 14.875 MHz</div></div><div>File name error</div></div> <div><div>Freq/Channel</div><div>Center Freq 2.43700000 GHz</div><div>Start Freq 2.42200000 GHz</div><div>Stop Freq 2.45200000 GHz</div><div>CF Step 3.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div> |
| 11G/HCH | <div><div>Agilent</div><div><div>Ch Freq 2.462 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div><div>Ref 30 dBm</div><div>*Atten 40 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>0.9</div><div>dB</div></div></div><div><div>Center 2.462 00 GHz</div><div>*Res BW 100 kHz</div><div>*VBW 300 kHz</div><div>Sweep 2.88 ms (601 pts)</div><div>Span 30 MHz</div></div><div><div>Occupied Bandwidth</div><div>16.3716 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div><div>Transmit Freq Error -2.026 kHz</div><div>x dB Bandwidth 14.275 MHz</div></div><div>File name error</div></div> <div><div>Freq/Channel</div><div>Center Freq 2.46200000 GHz</div><div>Start Freq 2.44700000 GHz</div><div>Stop Freq 2.47700000 GHz</div><div>CF Step 3.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div> |

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11N20SISO/LCH | <div><div>Agilent</div><div><div>Ch Freq 2.412 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div><div>Ref 30 dBm</div><div>*Atten 40 dB</div><div><div>Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>0.9</div><div>dB</div></div></div><div><div>Center 2.412 00 GHz</div><div>*Res BW 100 kHz</div><div>*VBW 300 kHz</div><div>Sweep 2.88 ms (601 pts)</div><div>Span 30 MHz</div></div><div><div>Occupied Bandwidth</div><div>17.5391 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div></div><div><div>Transmit Freq Error -7.202 kHz</div><div>x dB Bandwidth 16.913 MHz</div></div><div>File name error</div></div> <div><div>Freq/Channel</div><div>Center Freq 2.41200000 GHz</div><div>Start Freq 2.39700000 GHz</div><div>Stop Freq 2.42700000 GHz</div><div>CF Step 3.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div> |
| 11N20SISO/MCH | <div><div>Agilent</div><div><div>Ch Freq 2.437 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div><div>Ref 30 dBm</div><div>*Atten 40 dB</div><div><div>Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>0.9</div><div>dB</div></div></div><div><div>Center 2.437 00 GHz</div><div>*Res BW 100 kHz</div><div>*VBW 300 kHz</div><div>Sweep 2.88 ms (601 pts)</div><div>Span 30 MHz</div></div><div><div>Occupied Bandwidth</div><div>17.5606 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div></div><div><div>Transmit Freq Error 762.410 Hz</div><div>x dB Bandwidth 14.015 MHz</div></div><div>File name error</div></div> <div><div>Freq/Channel</div><div>Center Freq 2.43700000 GHz</div><div>Start Freq 2.42200000 GHz</div><div>Stop Freq 2.45200000 GHz</div><div>CF Step 3.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div> |
| 11N20SISO/HCH | <div><div>Agilent</div><div><div>Ch Freq 2.462 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div><div>Ref 30 dBm</div><div>*Atten 40 dB</div><div><div>Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>0.9</div><div>dB</div></div></div><div><div>Center 2.462 00 GHz</div><div>*Res BW 100 kHz</div><div>*VBW 300 kHz</div><div>Sweep 2.88 ms (601 pts)</div><div>Span 30 MHz</div></div><div><div>Occupied Bandwidth</div><div>17.5658 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div></div><div><div>Transmit Freq Error -2.892 kHz</div><div>x dB Bandwidth 14.192 MHz</div></div><div>File name error</div></div> <div><div>Freq/Channel</div><div>Center Freq 2.46200000 GHz</div><div>Start Freq 2.44700000 GHz</div><div>Stop Freq 2.47700000 GHz</div><div>CF Step 3.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div> |

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11N40SISO/LCH | <div><div><div>Agilent</div><div>R T</div><div>Freq/Channel</div><div>Ch Freq 2.422 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Ref 30 dBm</div><div>*Atten 40 dB</div><div>*Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>0.9</div><div>dB</div><div>Center 2.422 00 GHz</div><div>*Res BW 100 kHz</div><div>*VBW 300 kHz</div><div>Sweep 5.76 ms (601 pts)</div><div>Span 60 MHz</div><div>Occupied Bandwidth 35.7743 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div><div>Transmit Freq Error -26.306 kHz</div><div>x dB Bandwidth 35.150 MHz</div><div>File name error</div></div><div><div>Center Freq 2.42200000 GHz</div><div>Start Freq 2.39200000 GHz</div><div>Stop Freq 2.45200000 GHz</div><div>CF Step 6.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div> |
| 11N40SISO/MCH | <div><div><div>Agilent</div><div>R T</div><div>Freq/Channel</div><div>Ch Freq 2.437 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Ref 30 dBm</div><div>*Atten 40 dB</div><div>*Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>0.9</div><div>dB</div><div>Center 2.437 00 GHz</div><div>*Res BW 100 kHz</div><div>*VBW 300 kHz</div><div>Sweep 5.76 ms (601 pts)</div><div>Span 60 MHz</div><div>Occupied Bandwidth 35.8063 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div><div>Transmit Freq Error -36.520 kHz</div><div>x dB Bandwidth 35.250 MHz</div><div>File name error</div></div><div><div>Center Freq 2.43700000 GHz</div><div>Start Freq 2.40700000 GHz</div><div>Stop Freq 2.46700000 GHz</div><div>CF Step 6.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div> |
| 11N40SISO/HCH | <div><div><div>Agilent</div><div>R T</div><div>Freq/Channel</div><div>Ch Freq 2.452 GHz</div><div>Trig Free</div><div>Occupied Bandwidth</div><div>Ref 30 dBm</div><div>*Atten 40 dB</div><div>*Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offst</div><div>0.9</div><div>dB</div><div>Center 2.452 00 GHz</div><div>*Res BW 100 kHz</div><div>*VBW 300 kHz</div><div>Sweep 5.76 ms (601 pts)</div><div>Span 60 MHz</div><div>Occupied Bandwidth 35.8097 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -6.00 dB</div><div>Transmit Freq Error -29.423 kHz</div><div>x dB Bandwidth 35.247 MHz</div><div>File name error</div></div><div><div>Center Freq 2.45200000 GHz</div><div>Start Freq 2.42200000 GHz</div><div>Stop Freq 2.48200000 GHz</div><div>CF Step 6.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div> |

## 9. CONDUCTED SPURIOUS EMISSION

### 9.1. MEASUREMENT PROCEDURE

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set SPA Trace 1 Max hold, then View.

**Note:** The EUT was tested according to KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

Owing to satisfy the requirements of the number of measurement points, we set the RBW=1MHz, VBW>RBW, scan up through 10th harmonic, and consider the tested results as the worst case, if the tested results conform to the requirement, we can deem that the real tested results(set the RBW=100KHz, VBW>RBW) are conform to the requirement.

### 9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

The same as described in section 8.2.

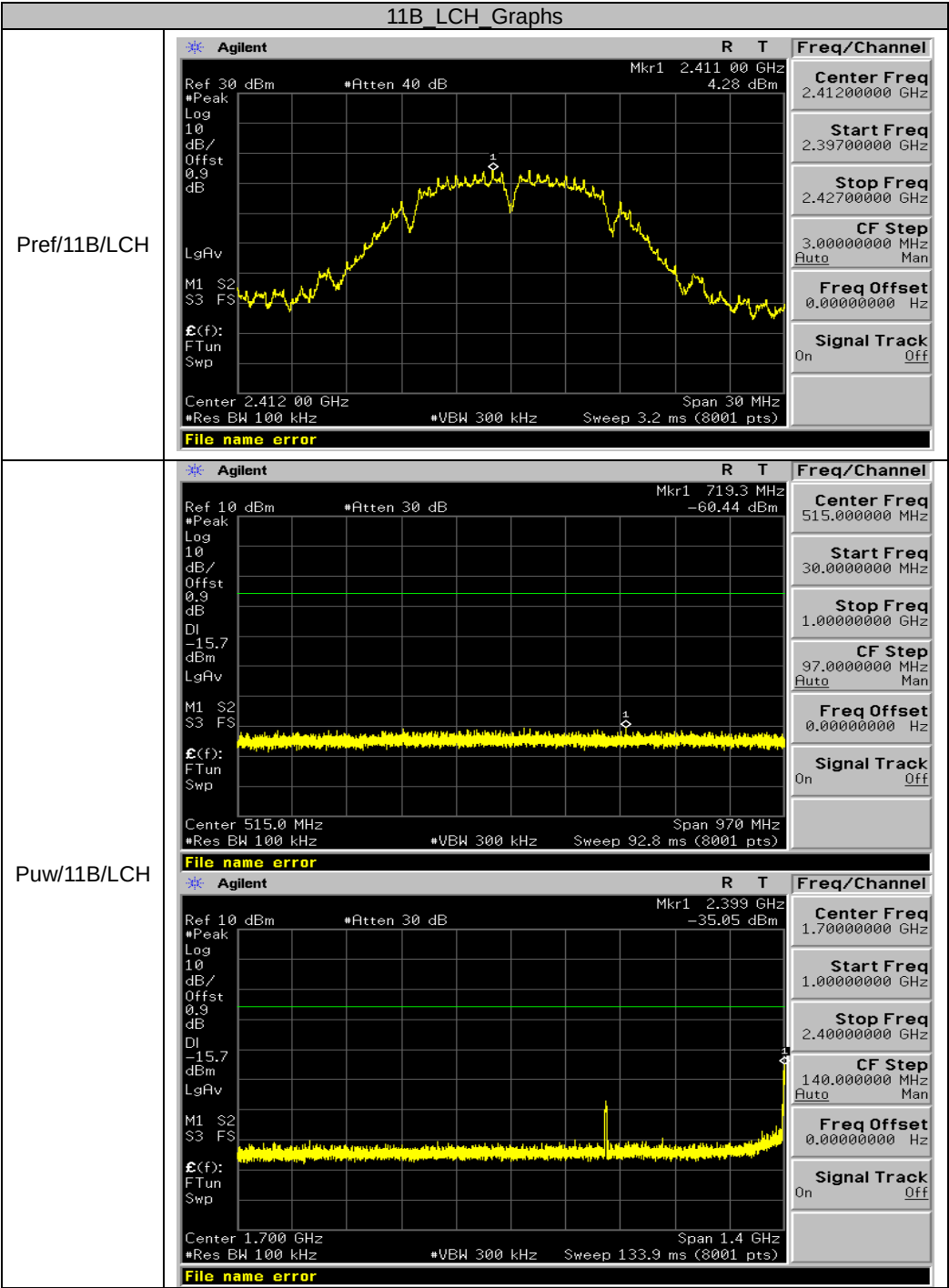
### 9.3. MEASUREMENT EQUIPMENT USED

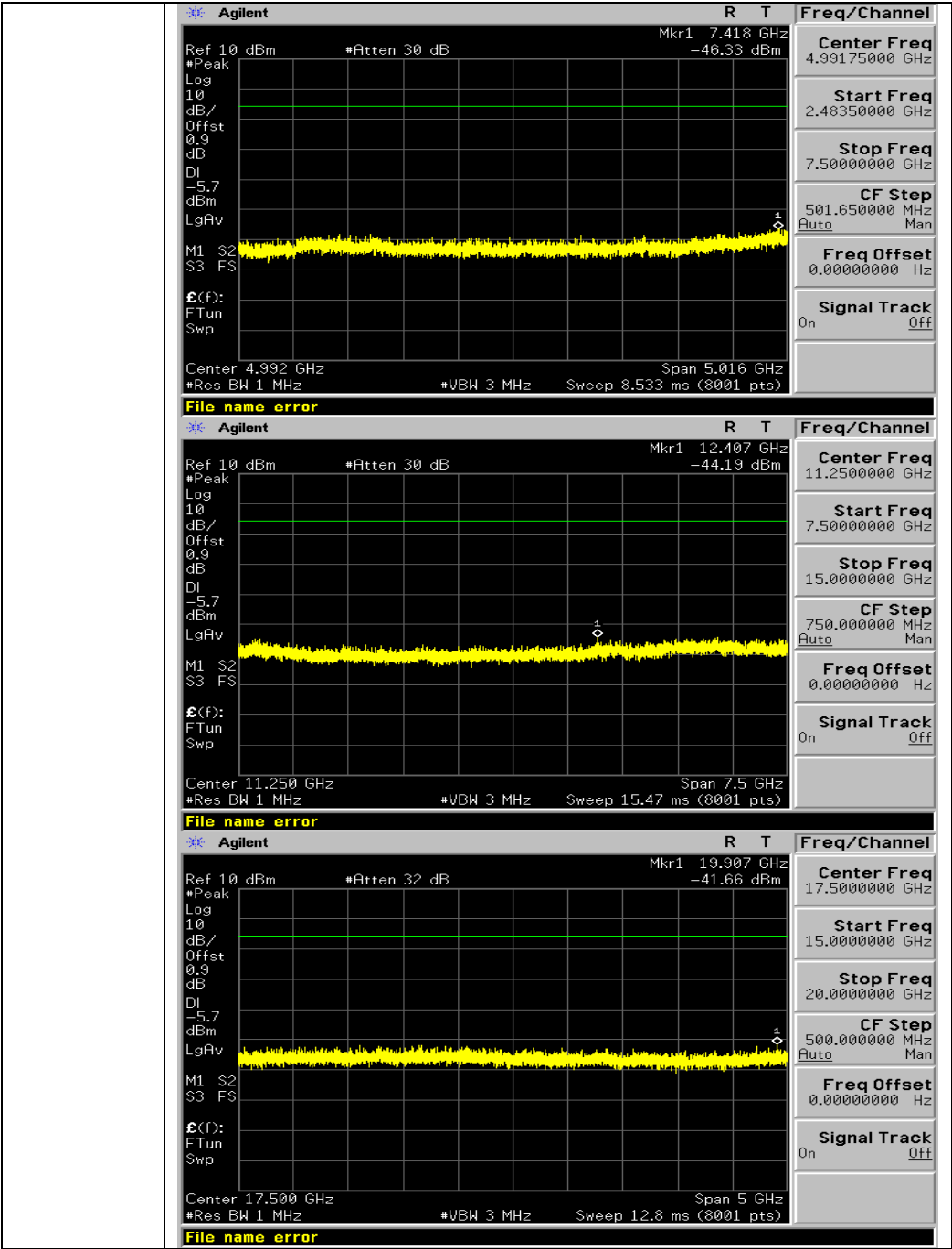
The same as described in section 6.

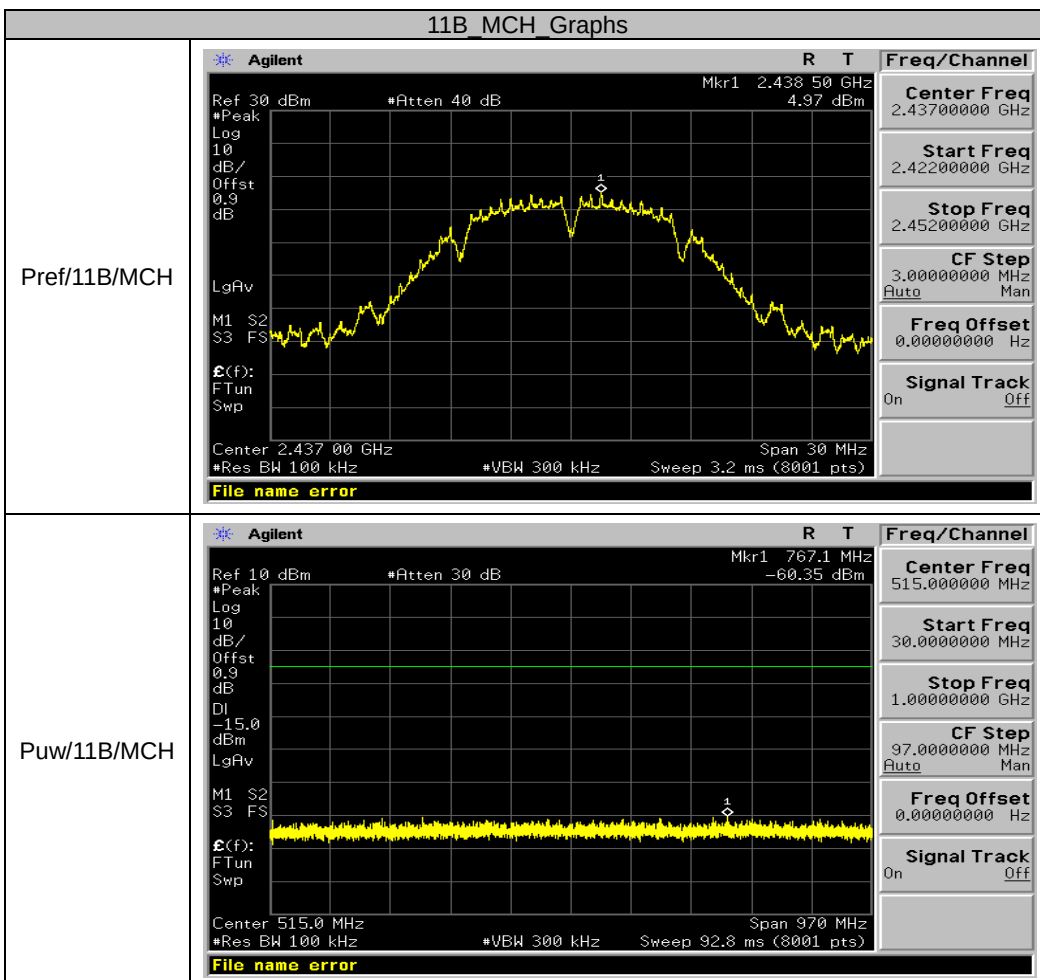
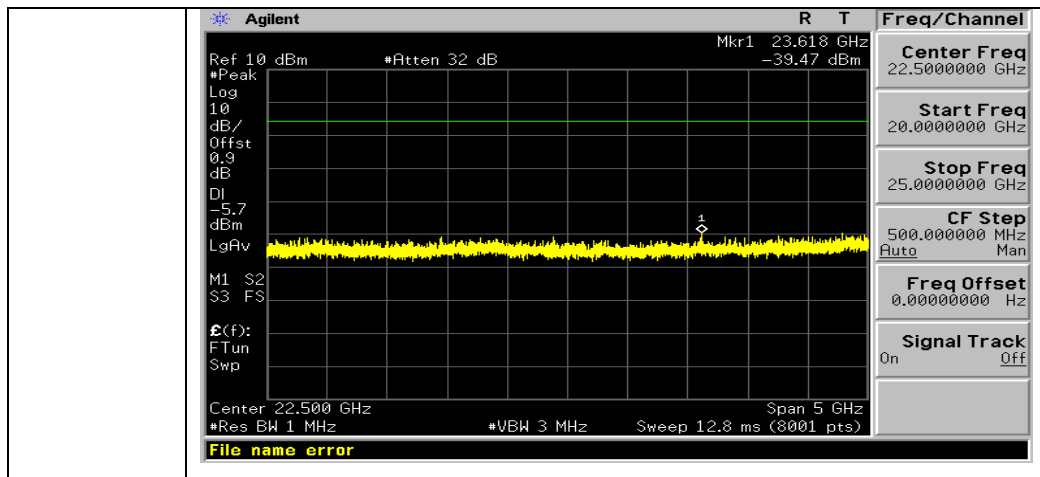
### 9.4. LIMITS AND MEASUREMENT RESULT

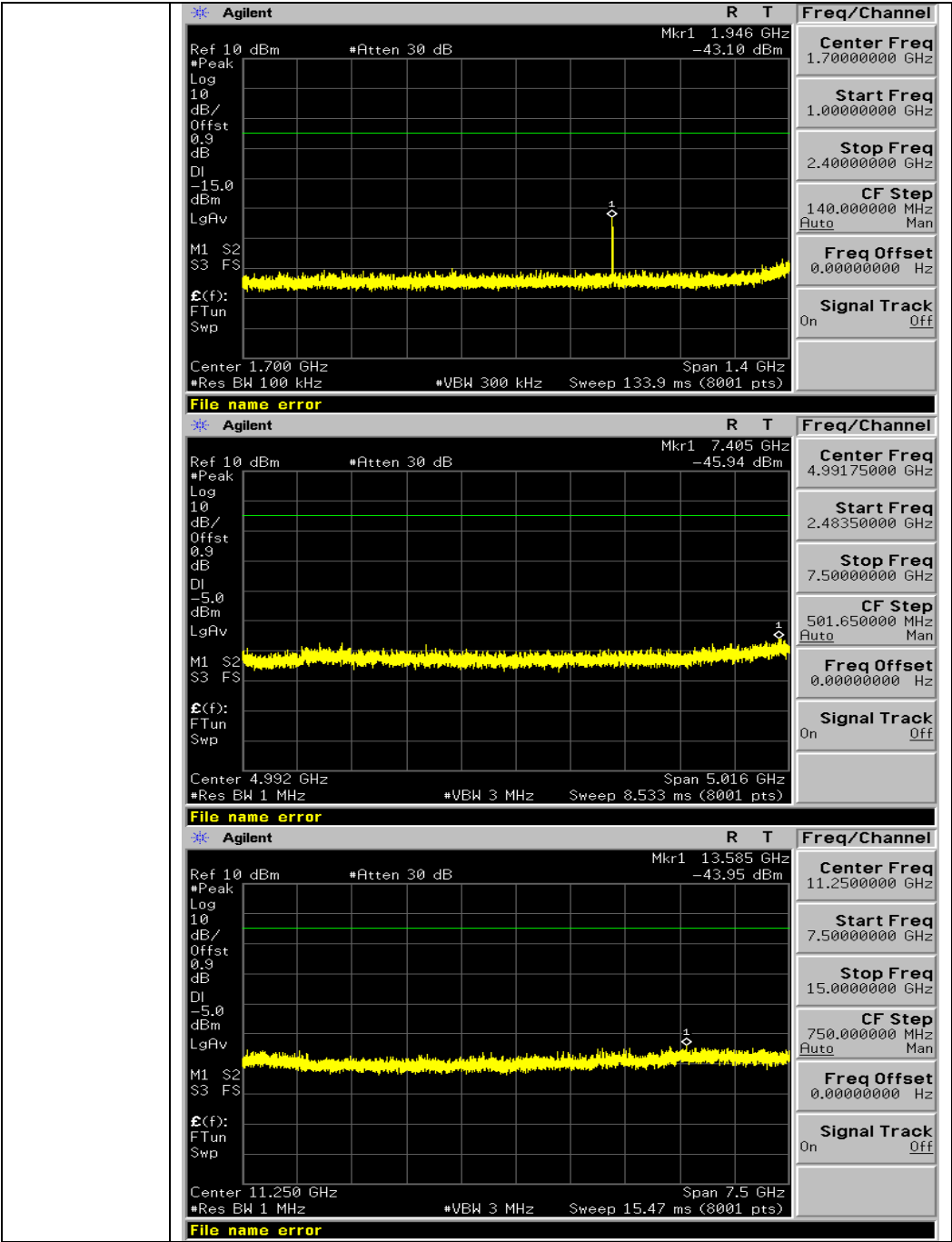
| LIMITS AND MEASUREMENT RESULT                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------|
| Applicable Limits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Measurement Result                                             |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Test Data                                                      | Criteria |
| In any 100 KHz Bandwidth Outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produce by the intentional radiator shall be at least 20 dB below that in 100KHz bandwidth within the band that contains the highest level of the desired power.<br>In addition, radiation emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in§15.209(a)) | At least -20dBc than the limit Specified on the BOTTOM Channel | PASS     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | At least -20dBc than the limit Specified on the TOP Channel    | PASS     |

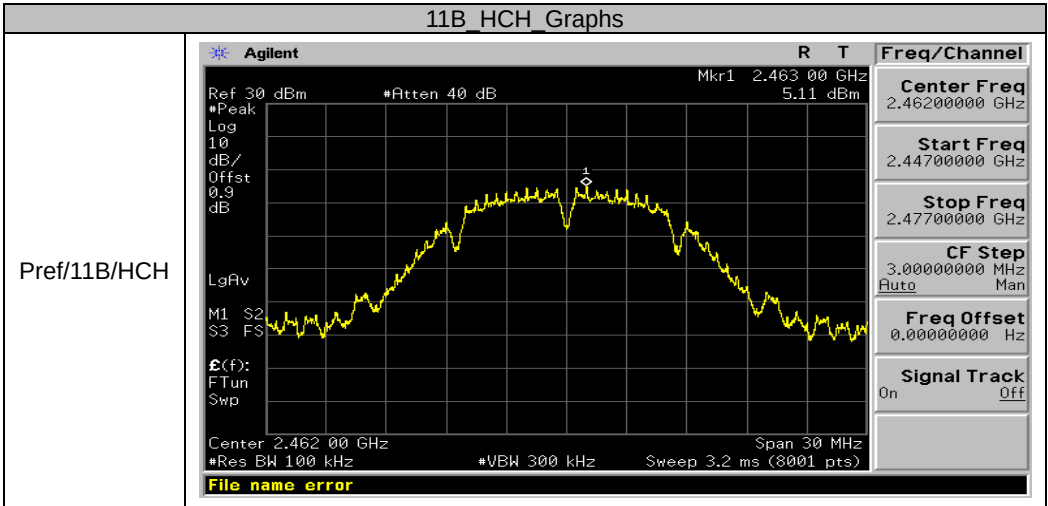
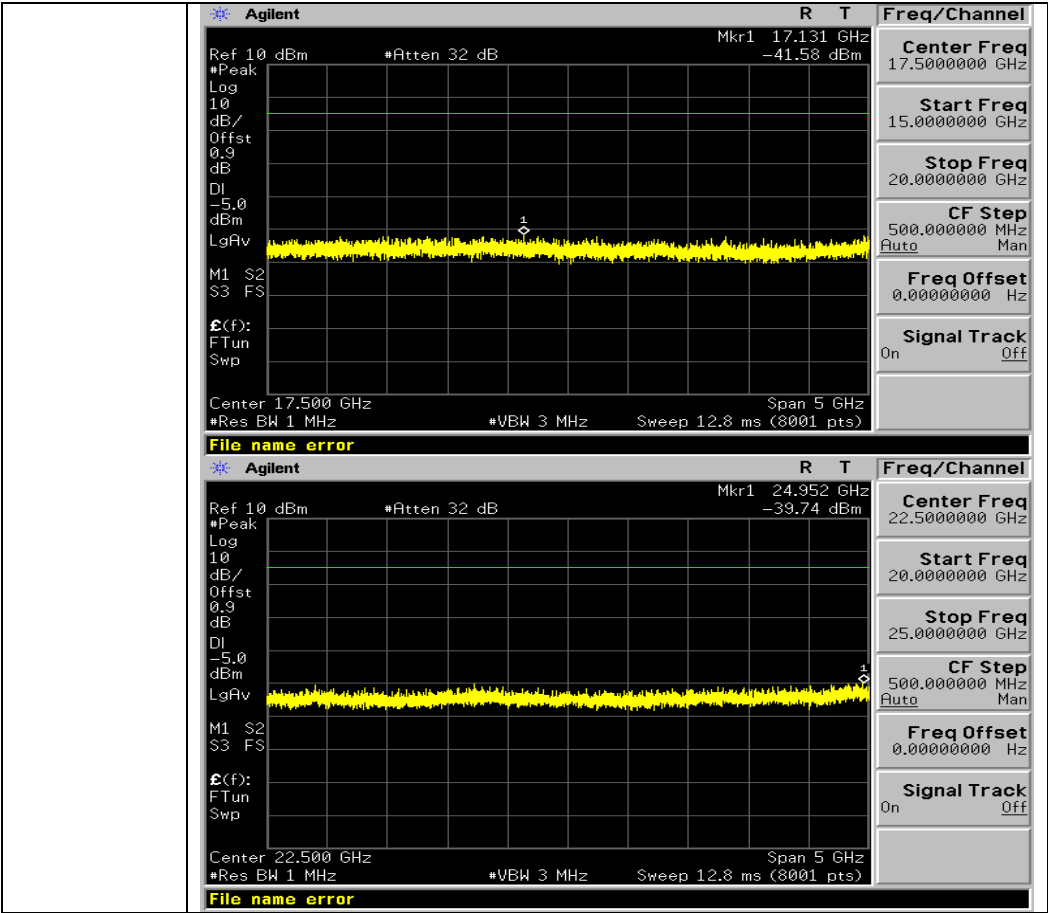
Test Graph

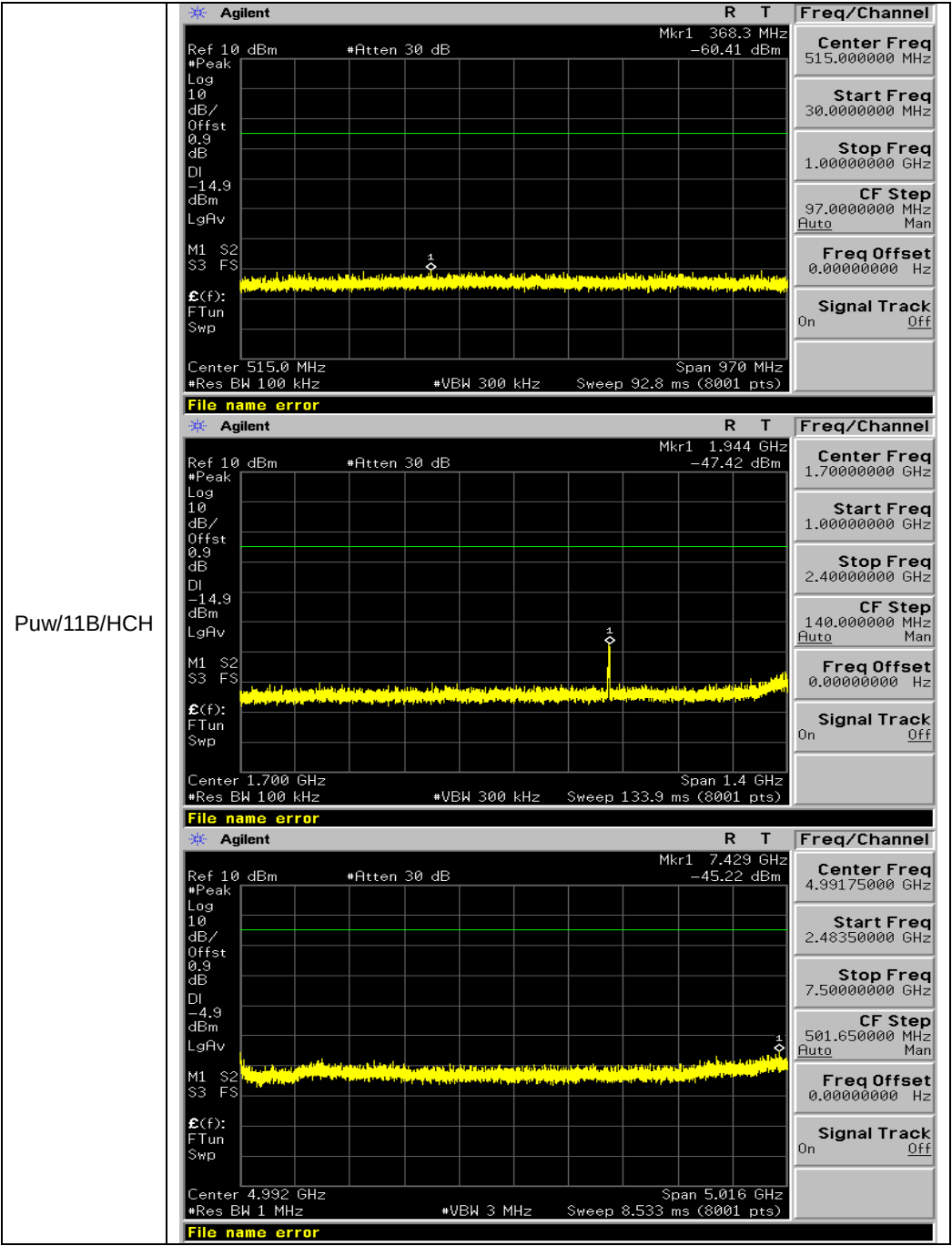


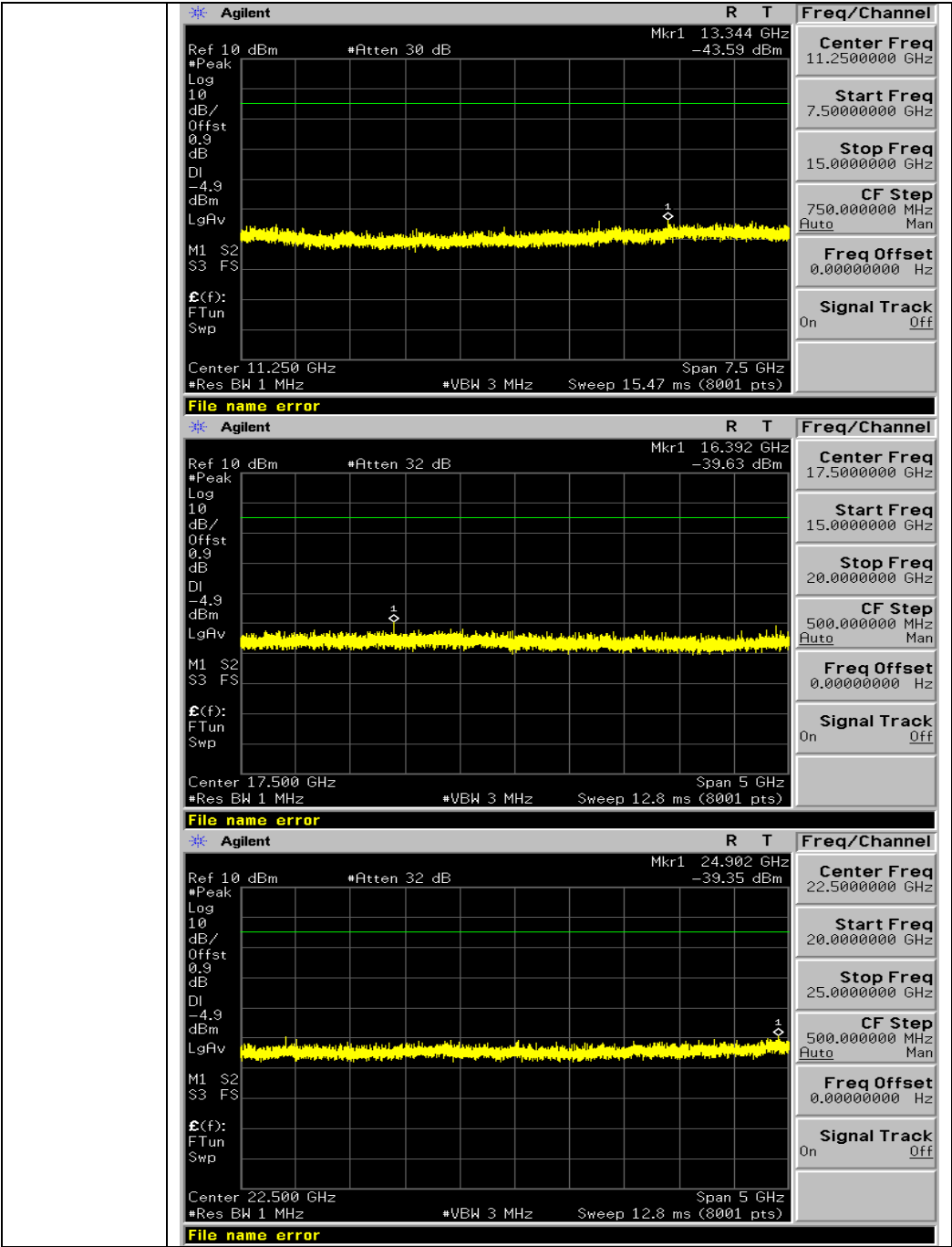




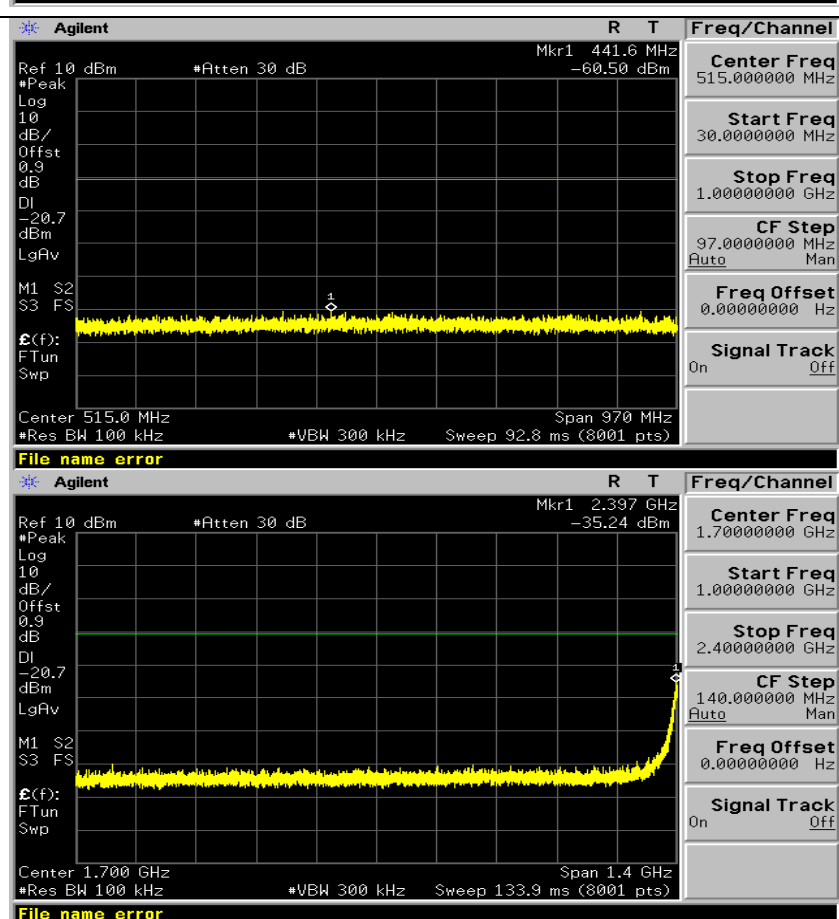
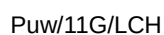
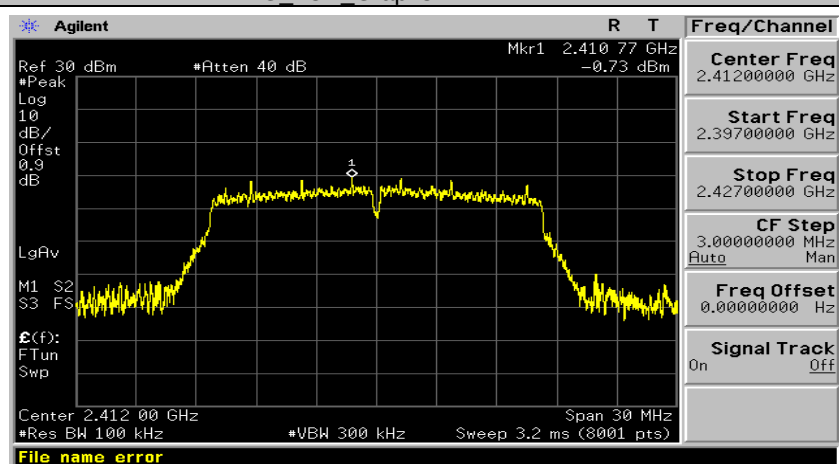
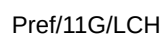


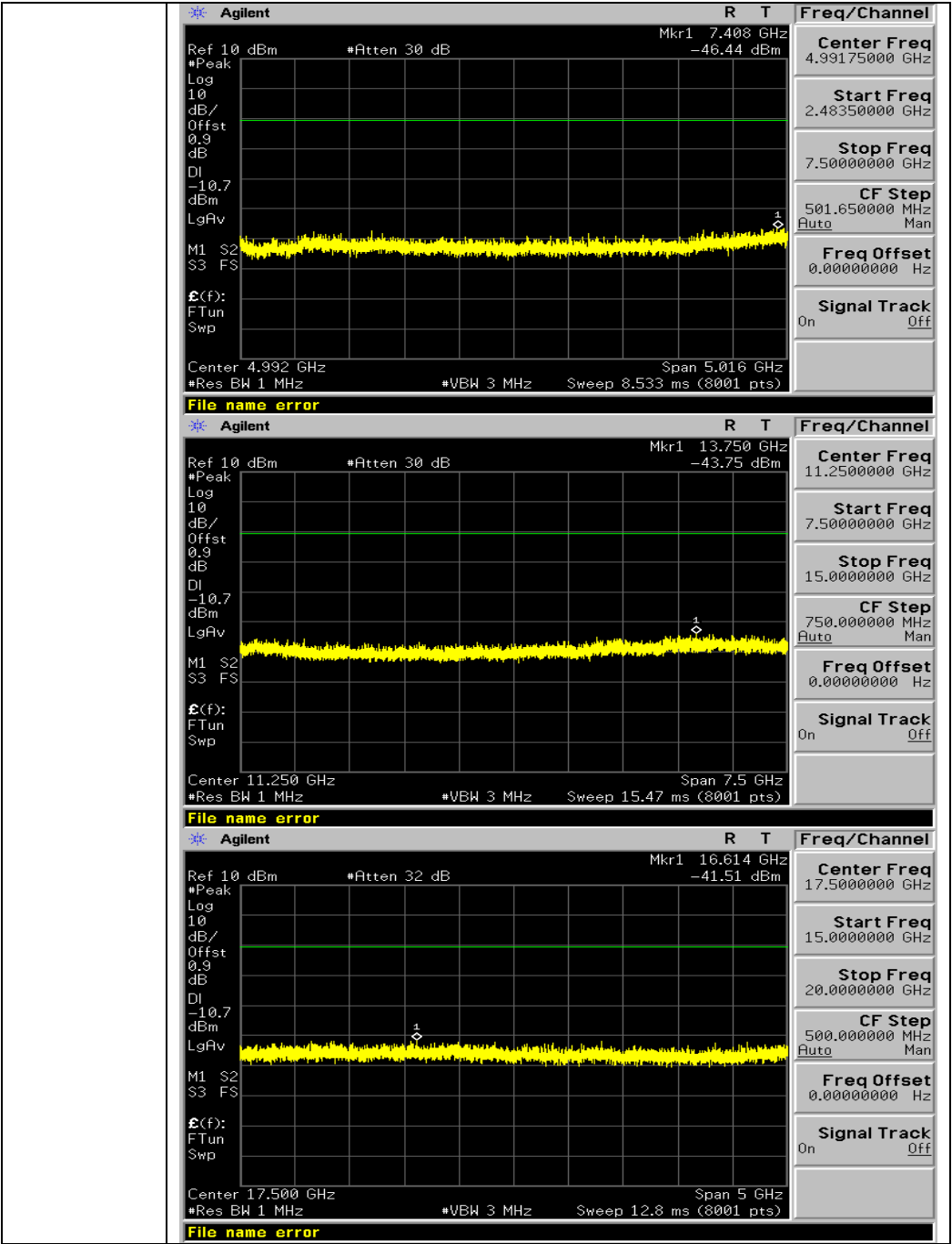


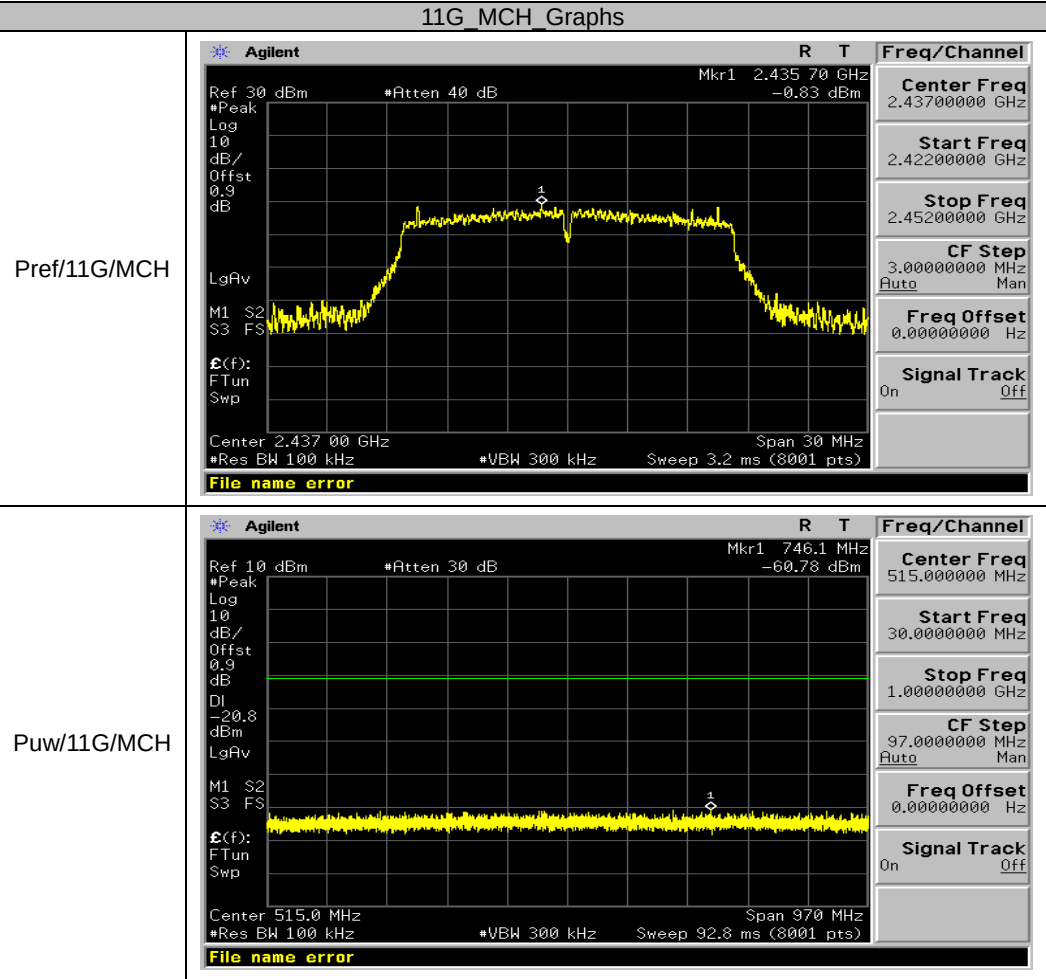
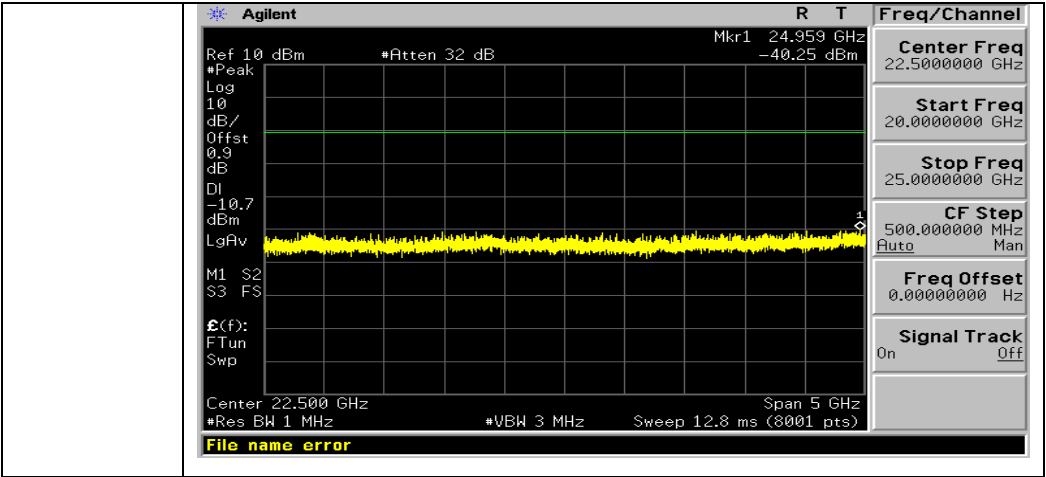


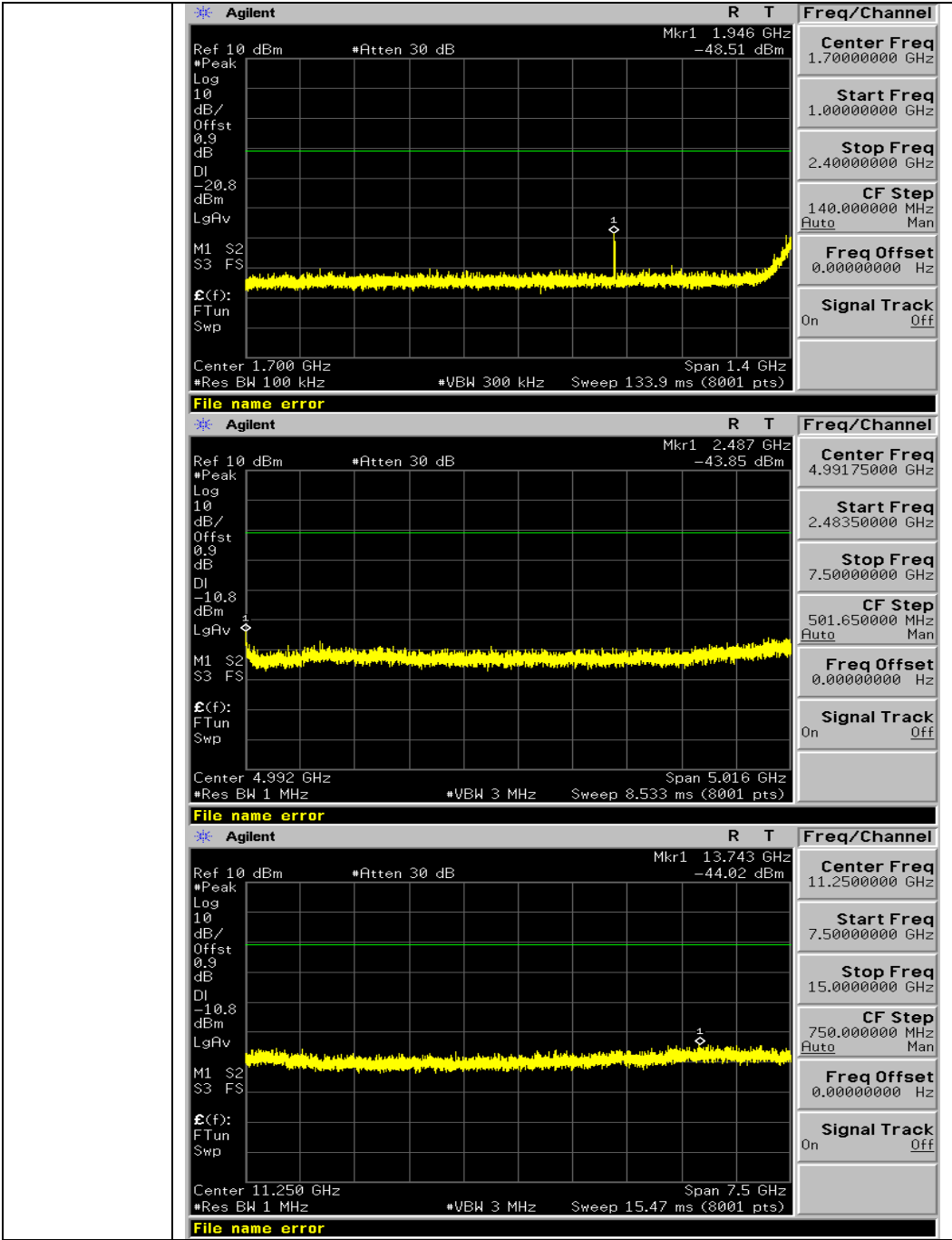


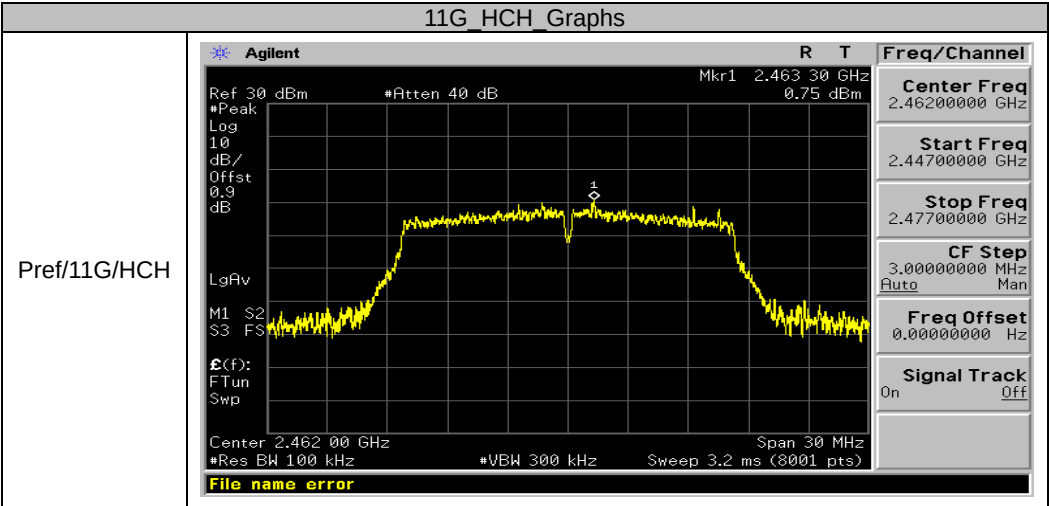
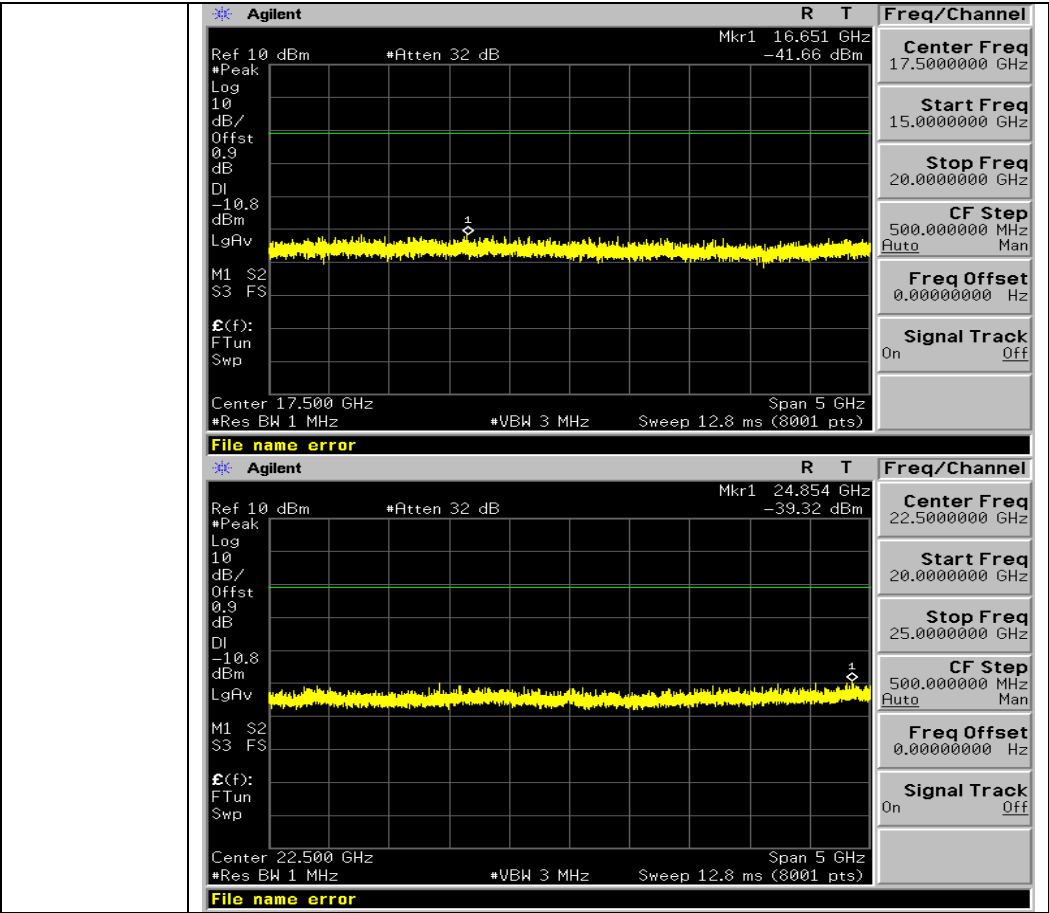
## 11G LCH Graphs

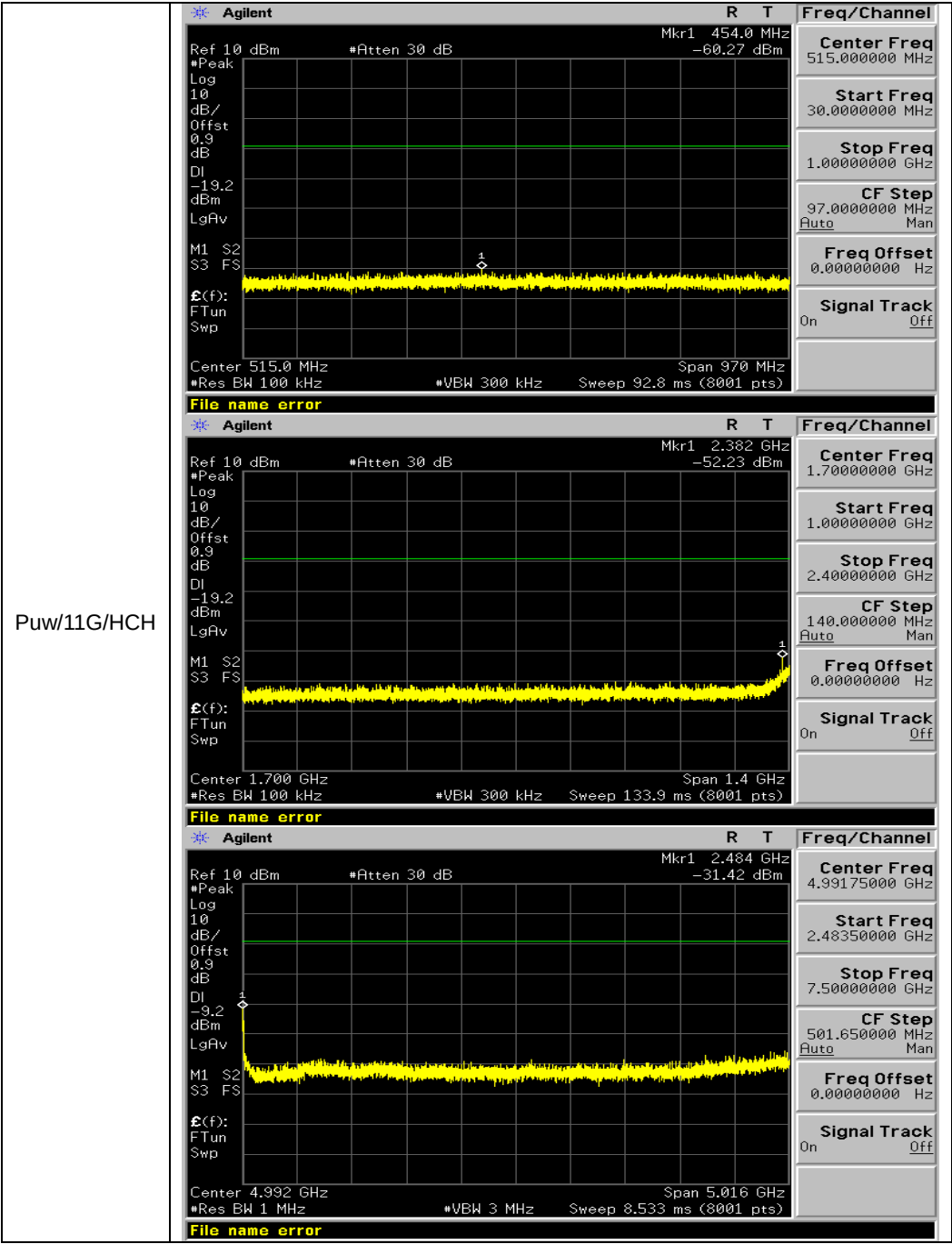


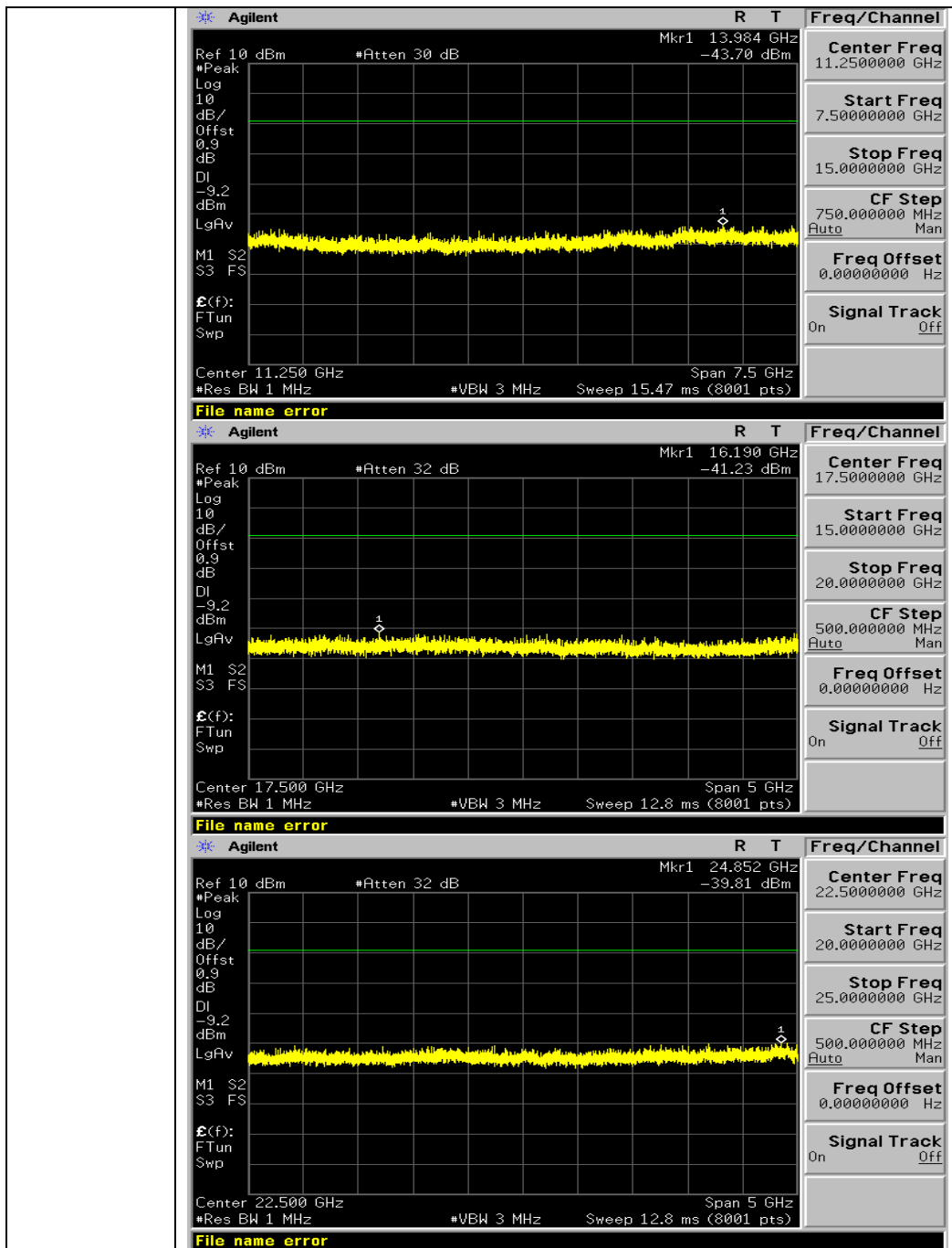


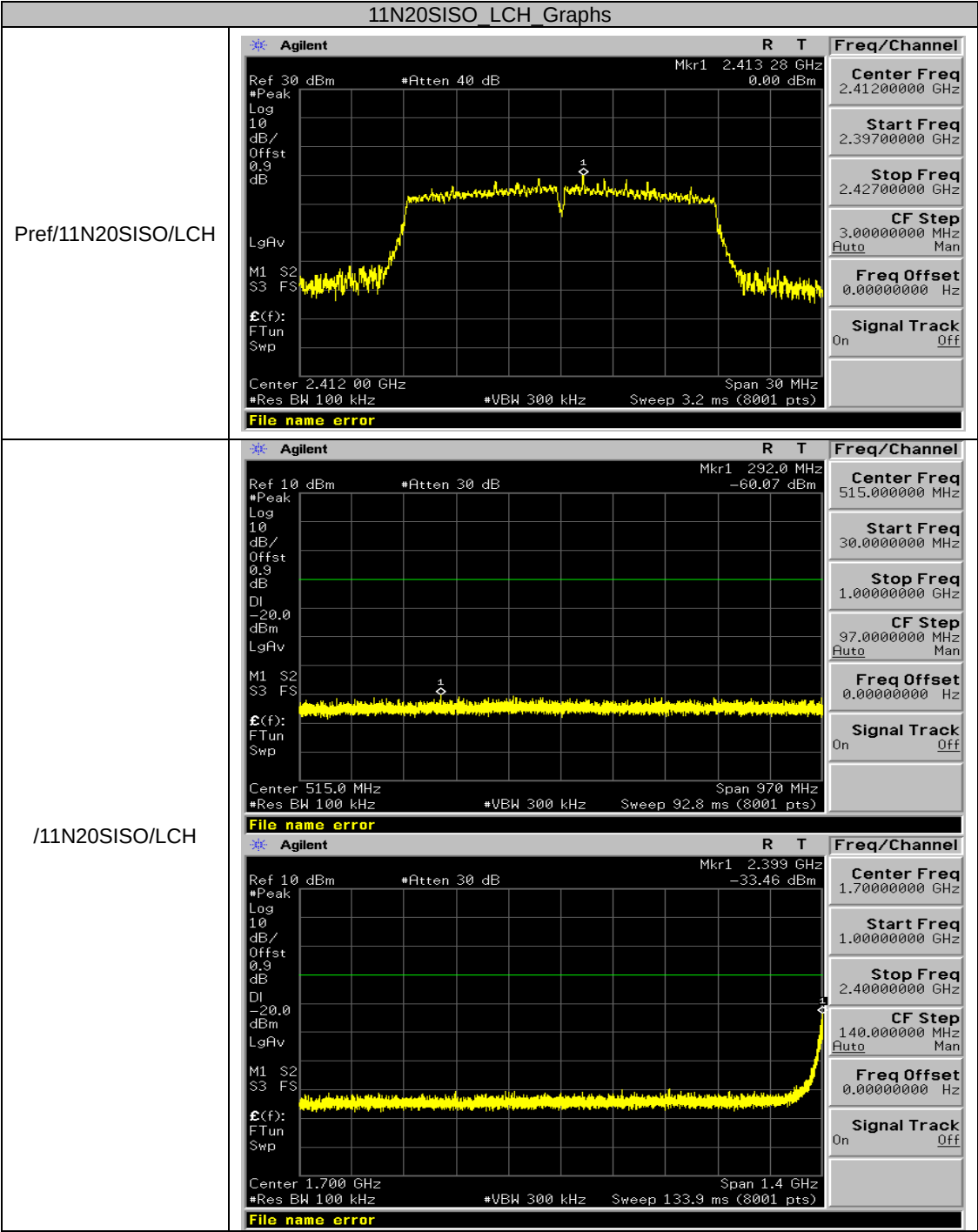


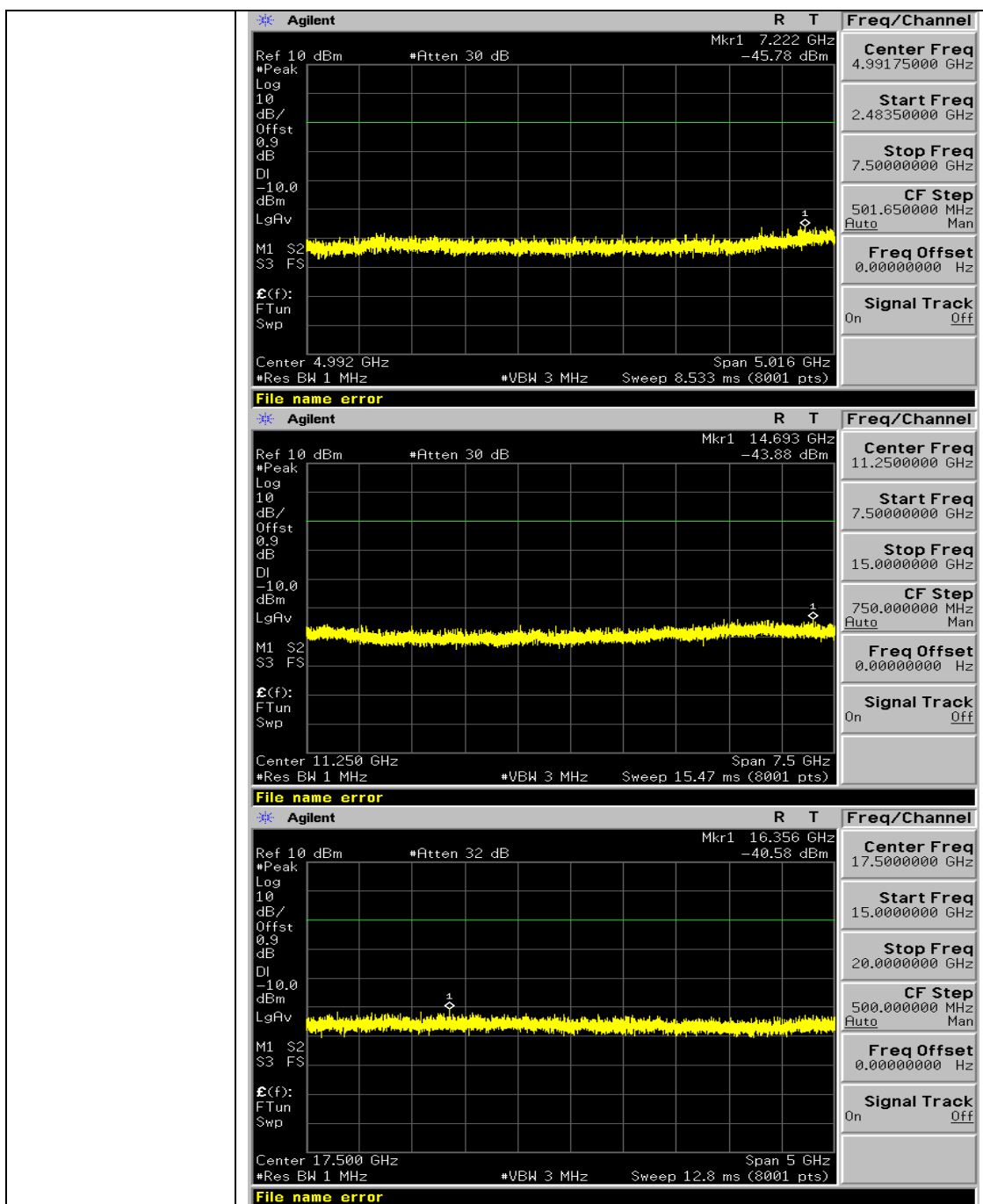


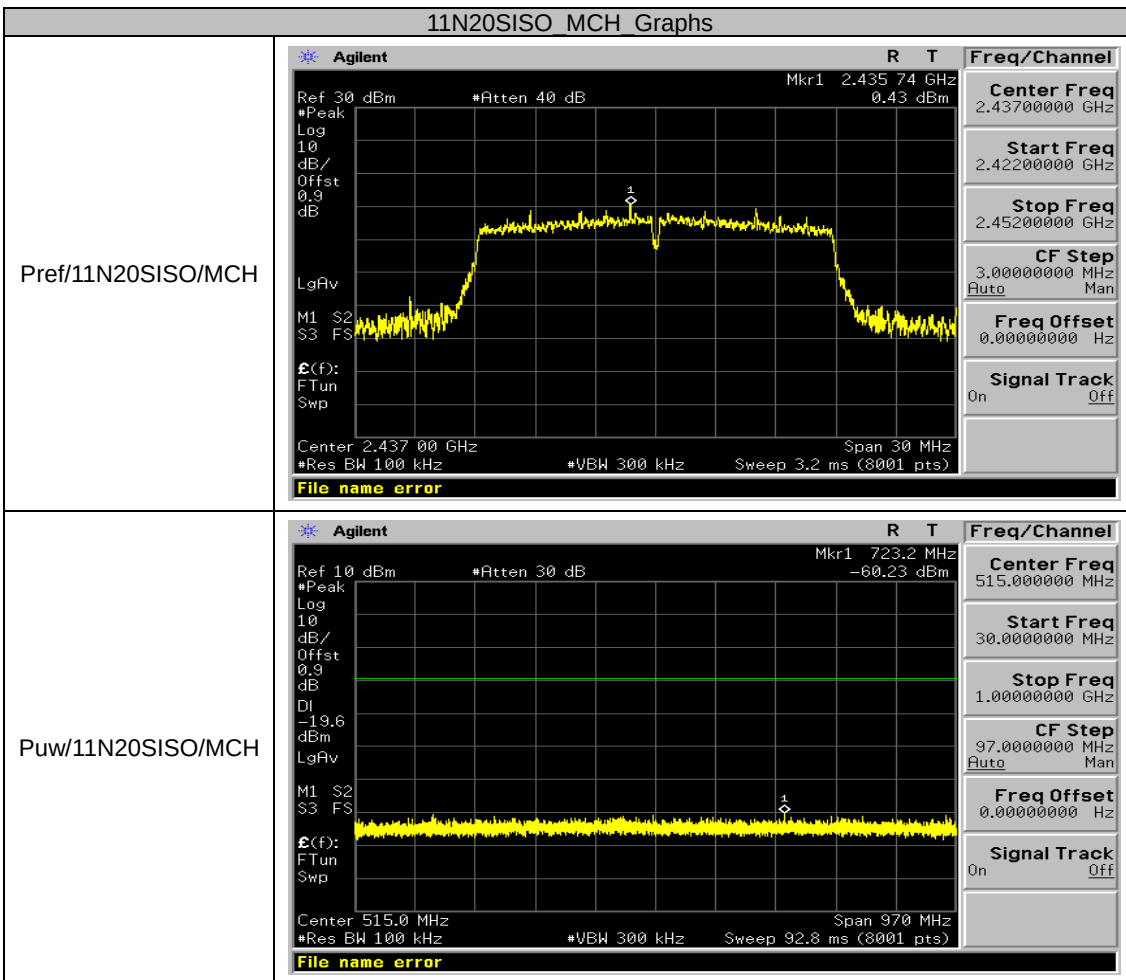
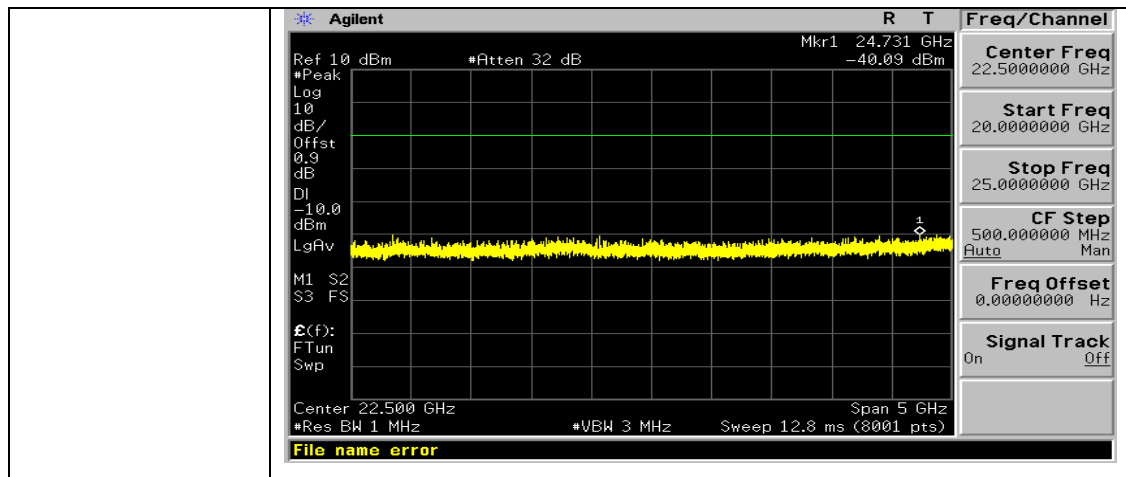


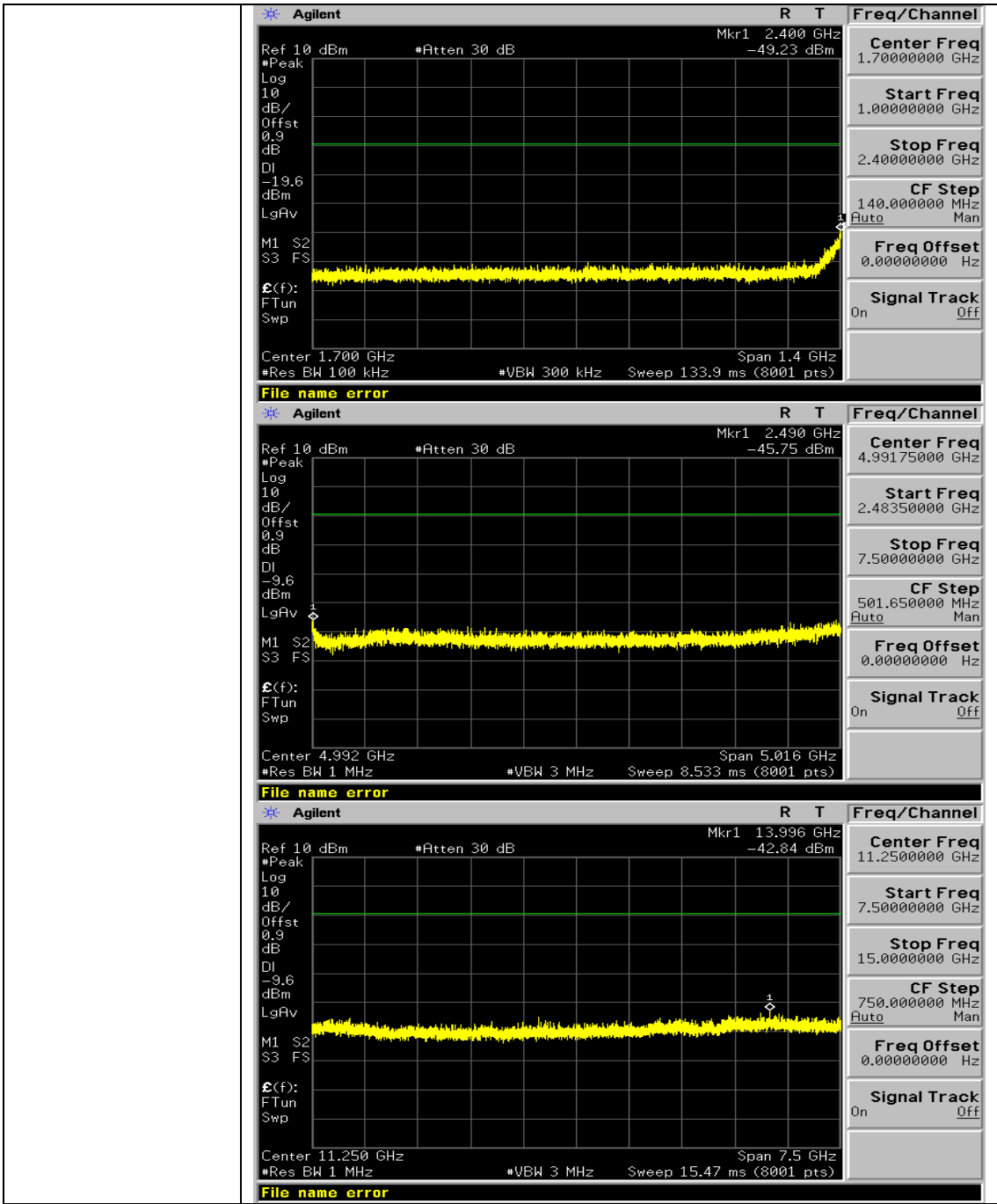


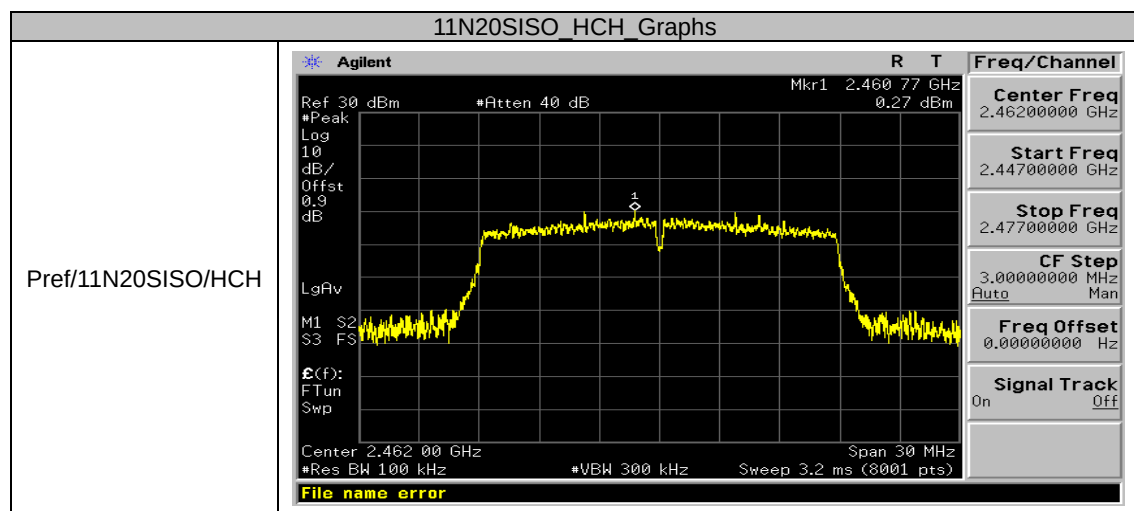
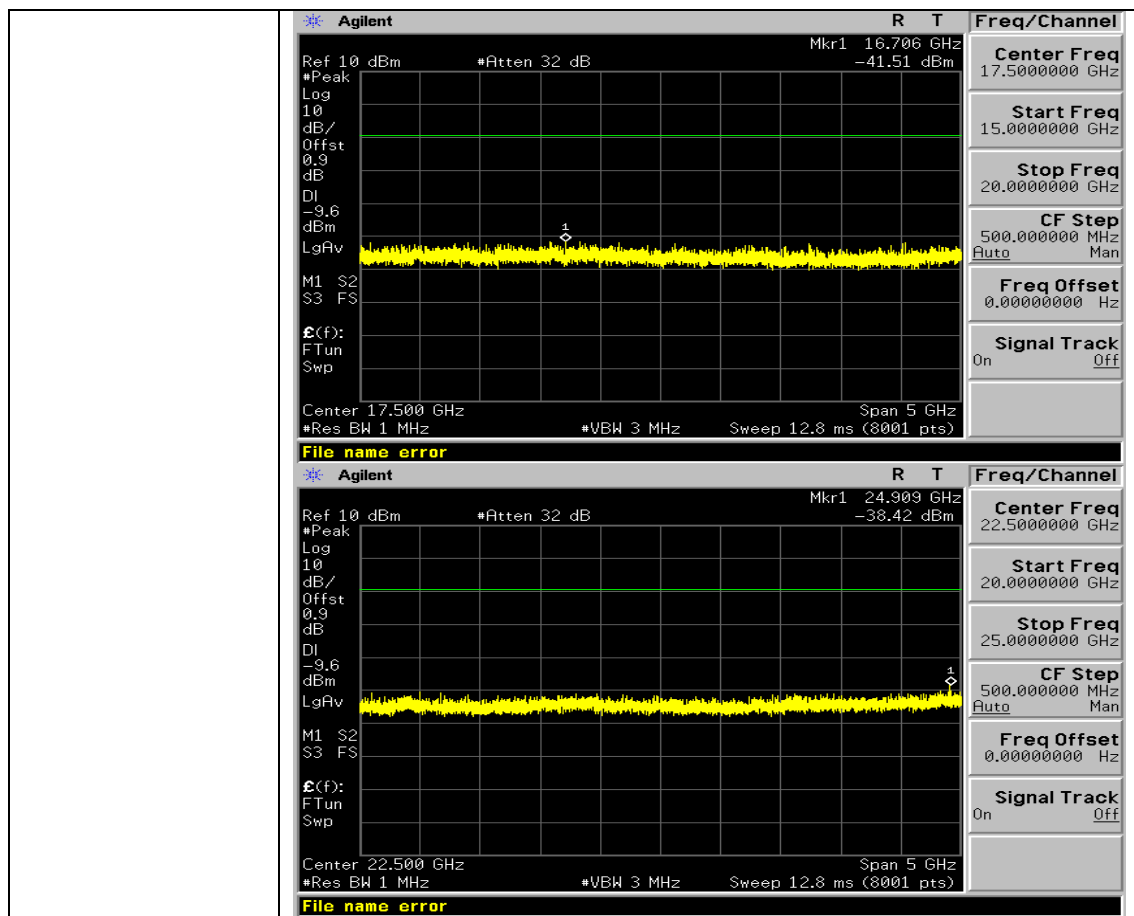


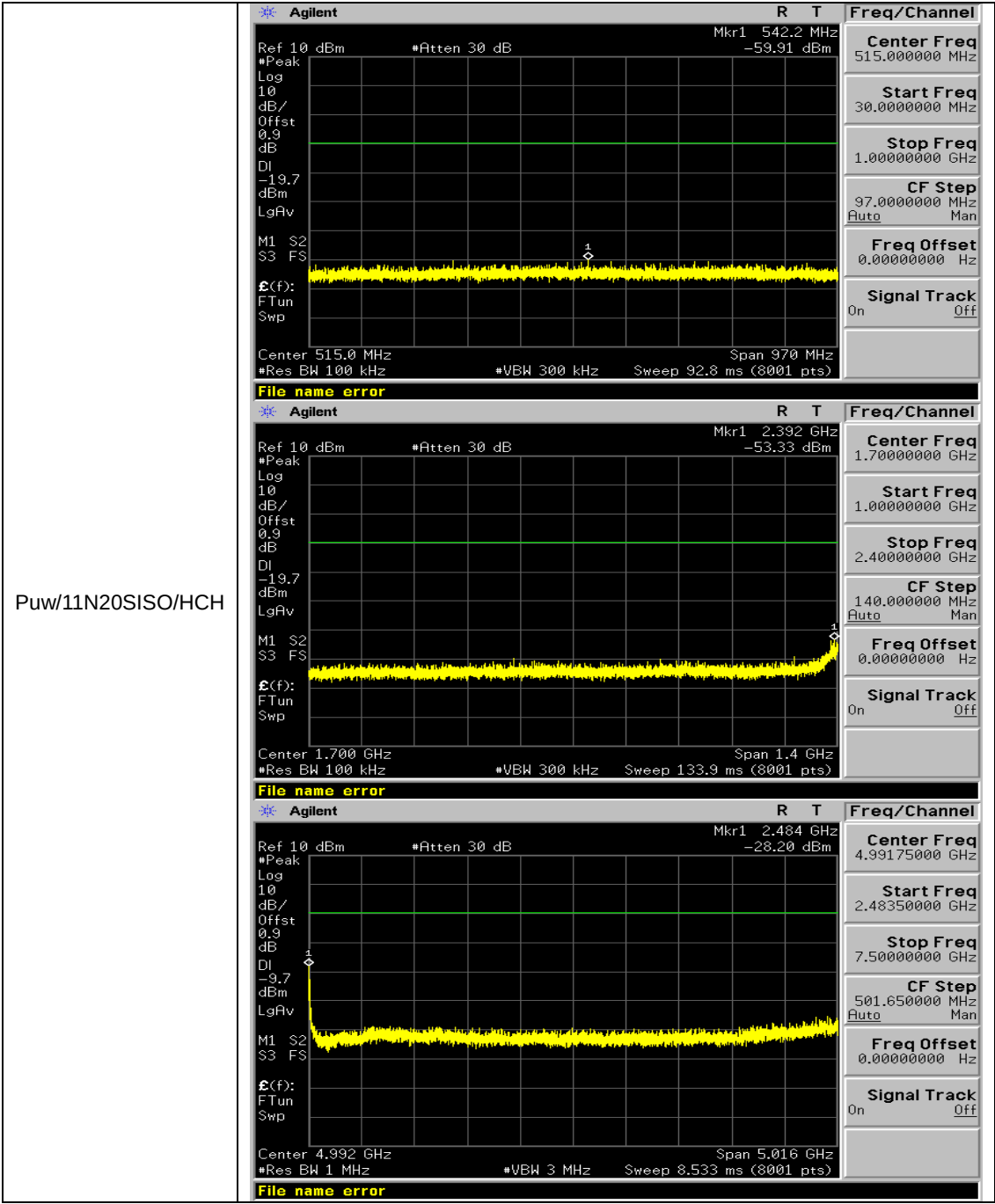


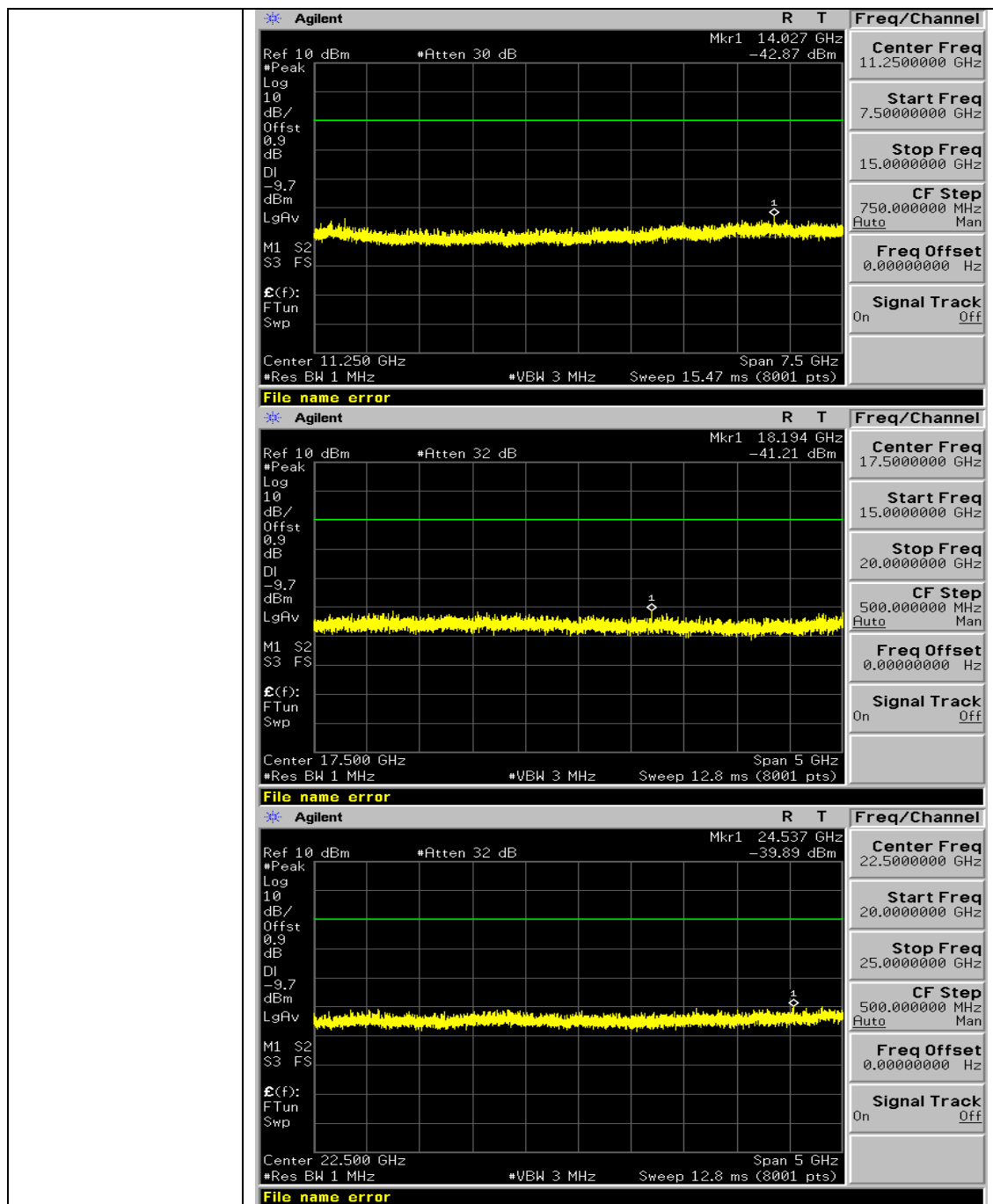


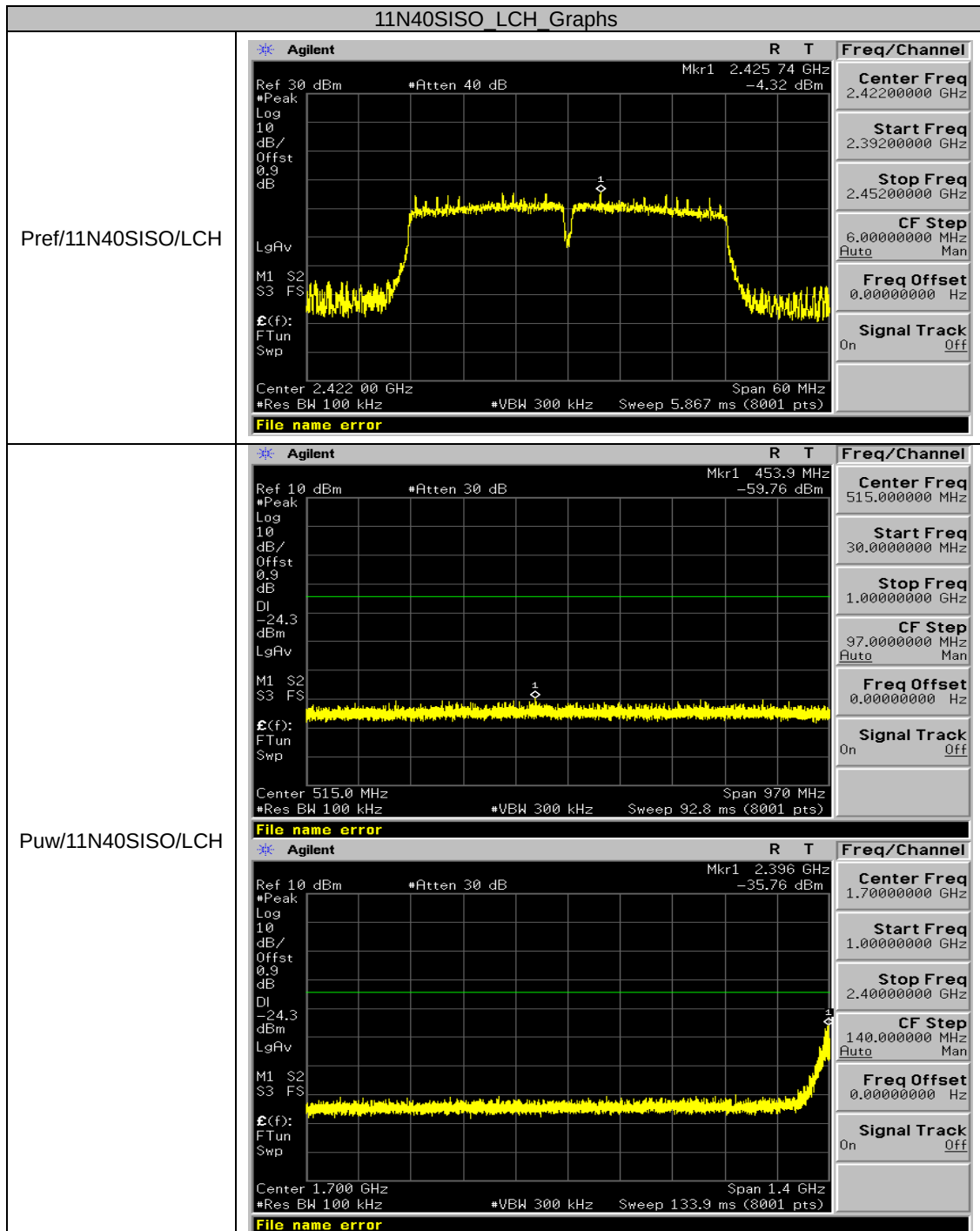


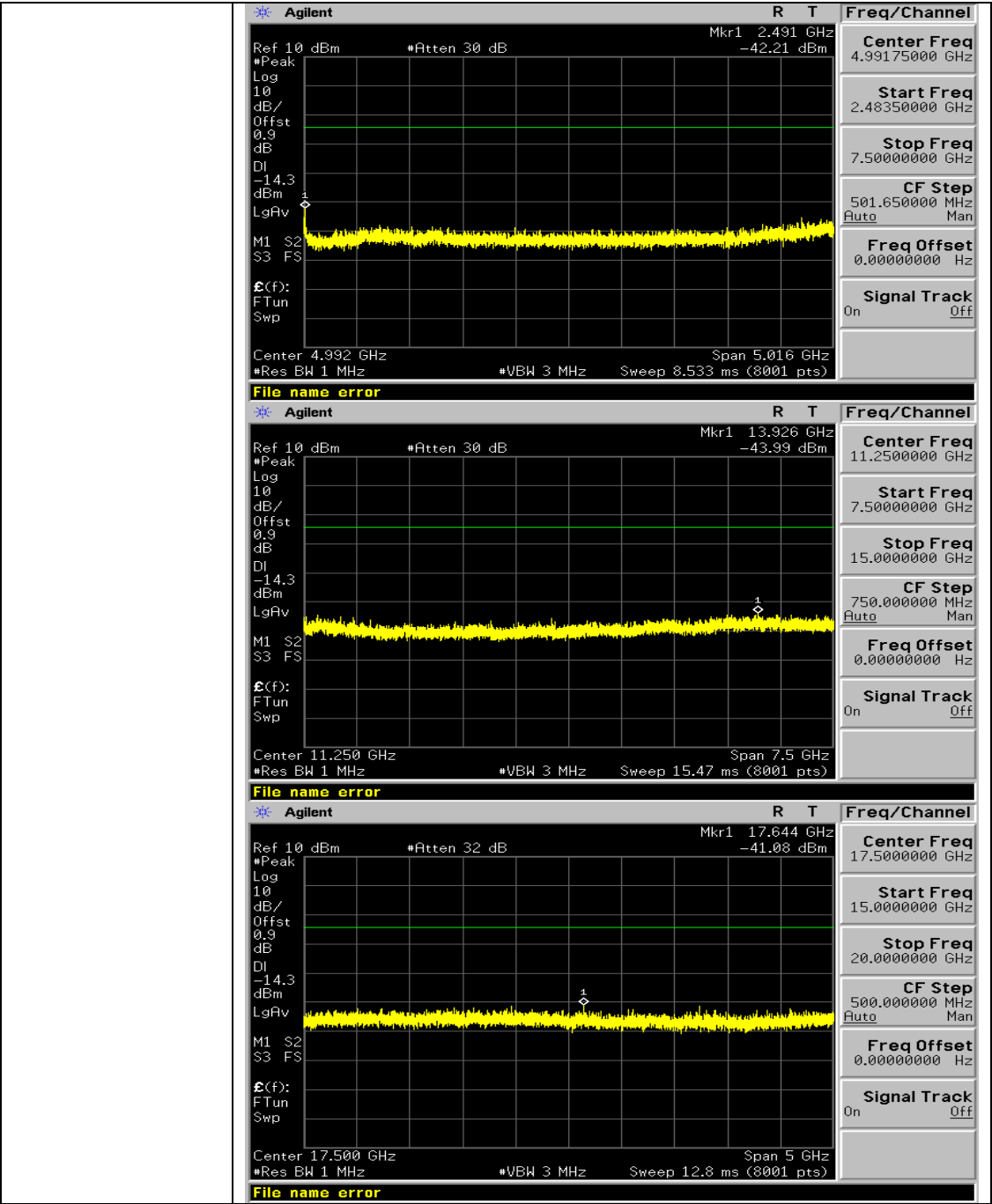












Agilent

R T

Freq/Channel

Ref 10 dBm

#Atten 32 dB

Mkr1 17.644 GHz

-41.03 dBm

#Peak

Log

10

dB/

Offst

0.9

dB

DI

-14.3

dBm

LgAv

M1 S2

S3 FS

$\mathcal{E}(f)$ :

FTun

Swp

Center 17.500 GHz

#Res BW 1 MHz

#VBW 3 MHz

Sweep 12.8 ms (8001 pts)

Span 5 GHz

Center Freq

17.50000000 GHz

Start Freq

15.00000000 GHz

Stop Freq

20.00000000 GHz

CF Step

500.000000 MHz

Auto Man

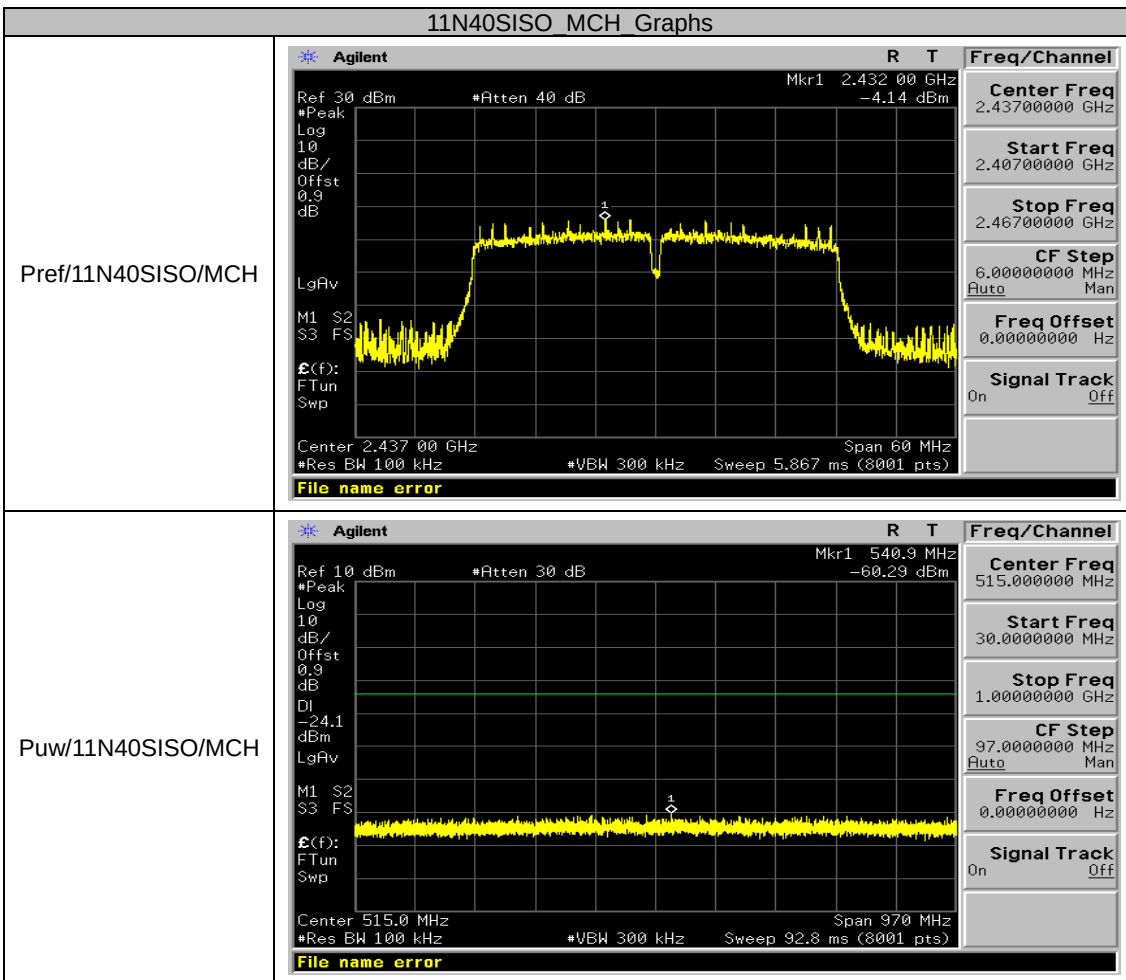
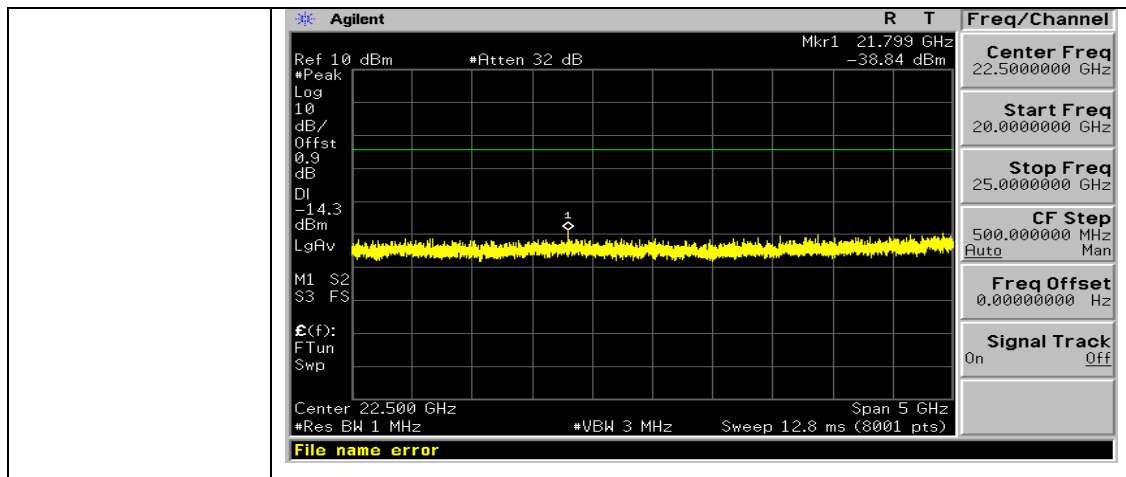
Freq Offset

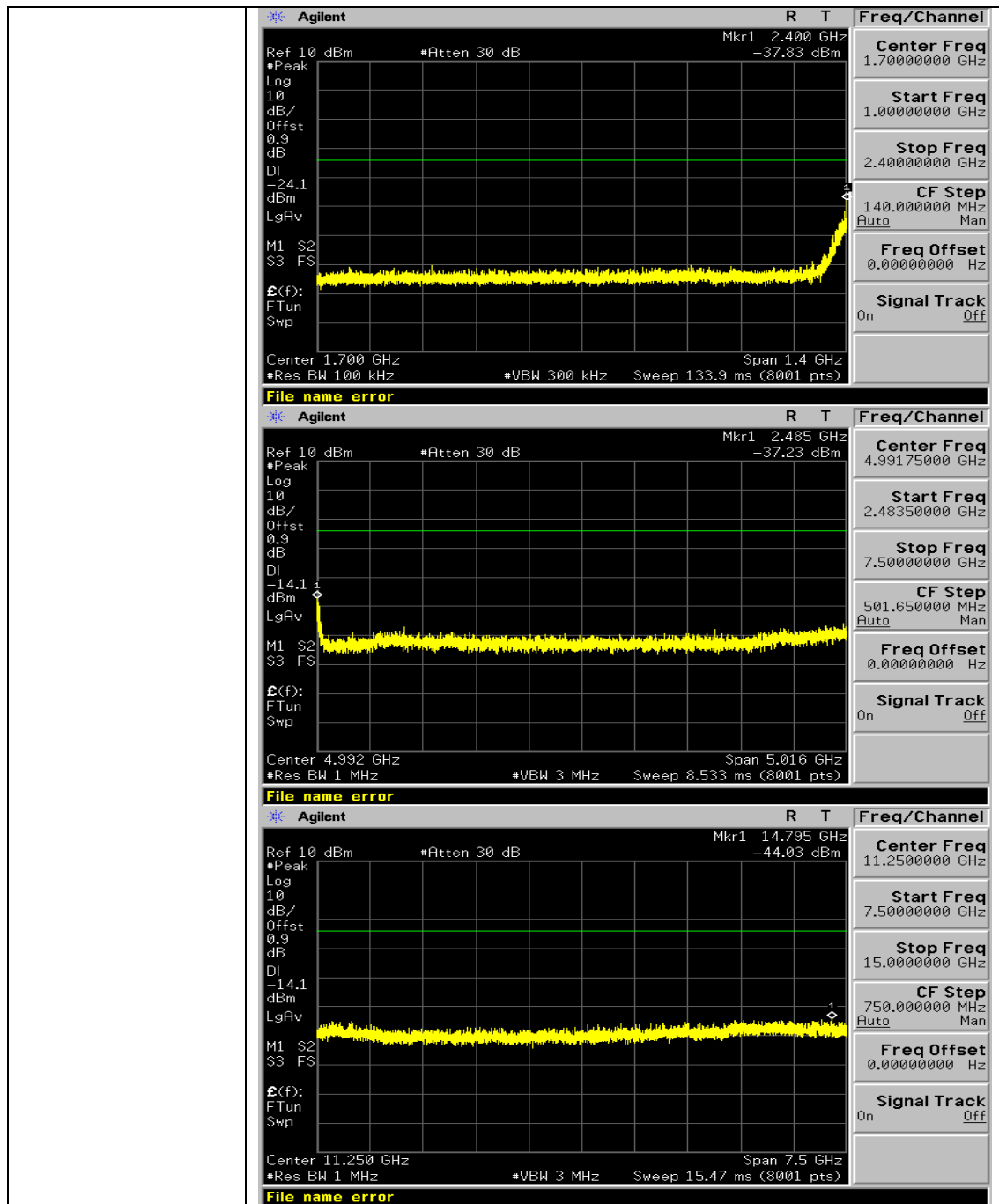
0.00000000 Hz

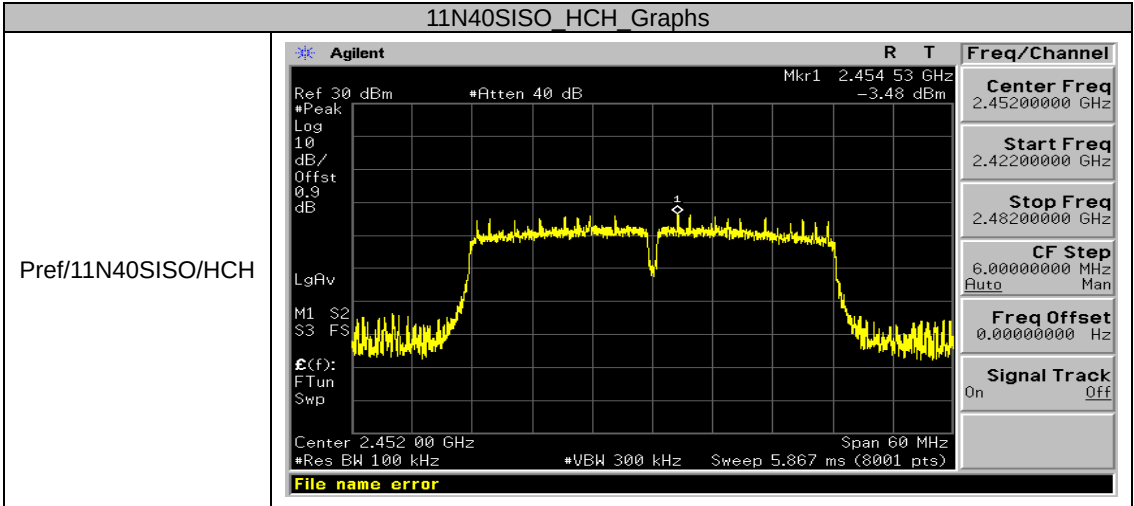
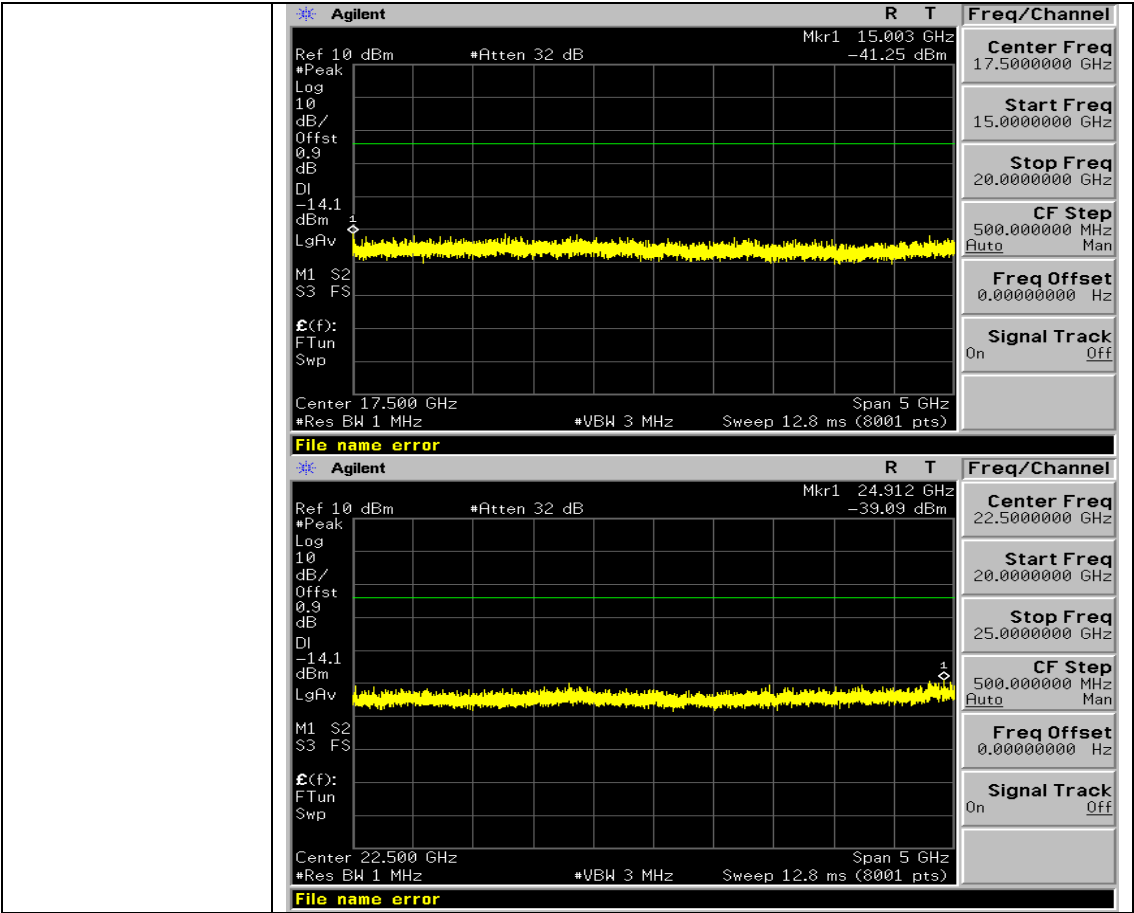
Signal Track

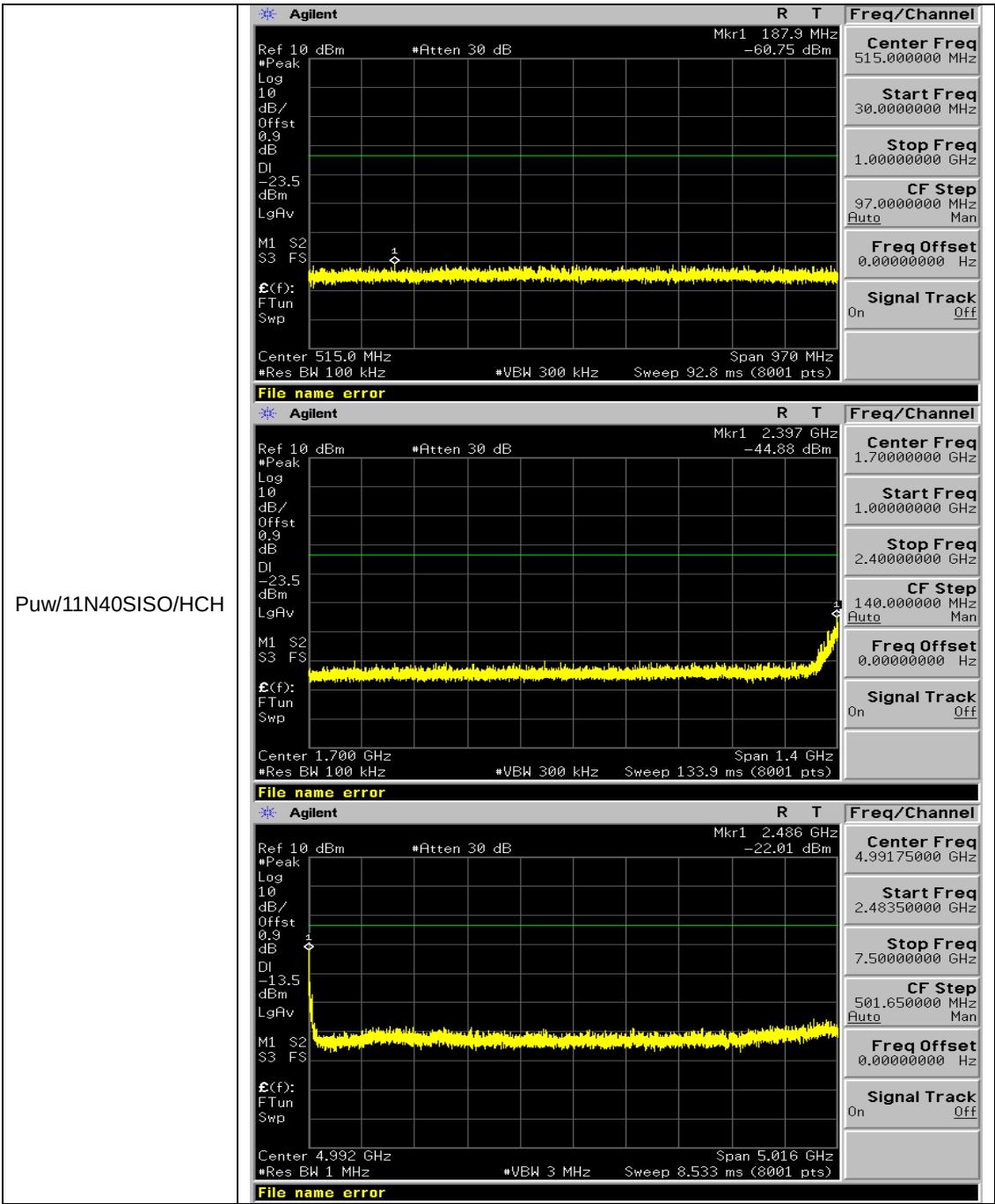
On Off

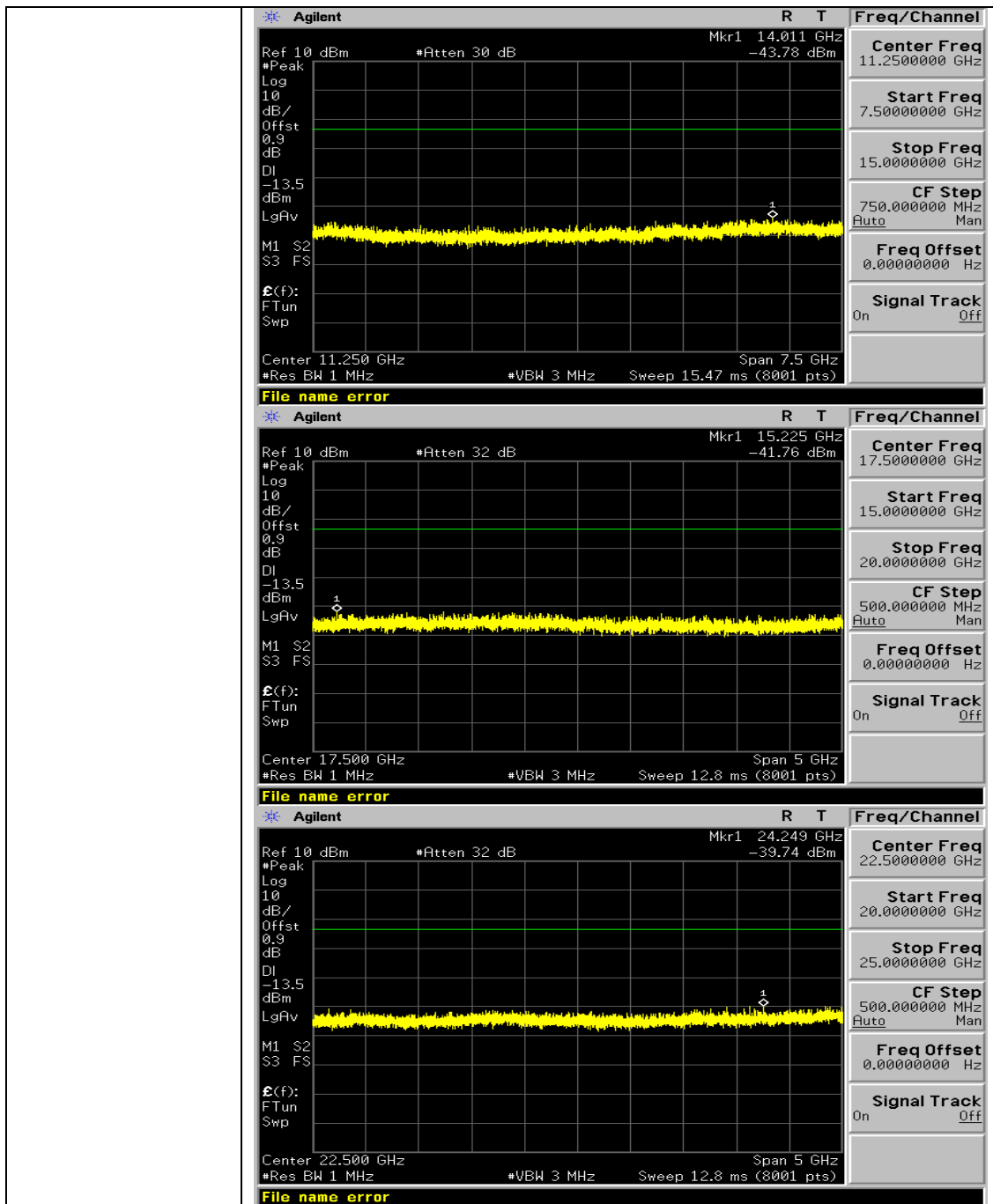
File name error











## 10. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

### 10.1 MEASUREMENT PROCEDURE

- (1). Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- (2). Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- (3). Set SPA Trace 1 Max hold, then View.

Note: The method of AVGPDS in the KDB 558074 item 10.3 was used in this testing.

### 10.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer To Section 8.2.

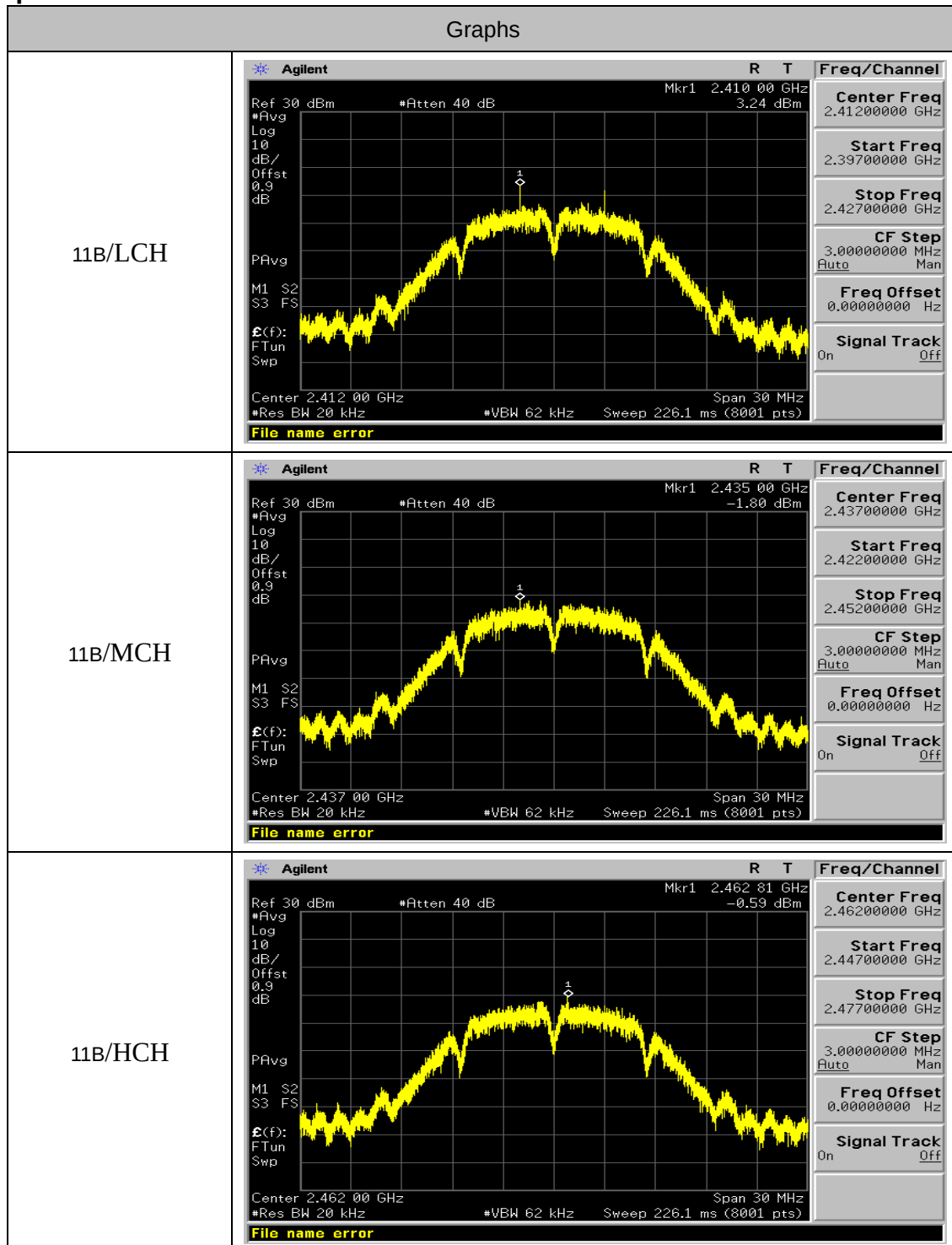
### 10.3 MEASUREMENT EQUIPMENT USED

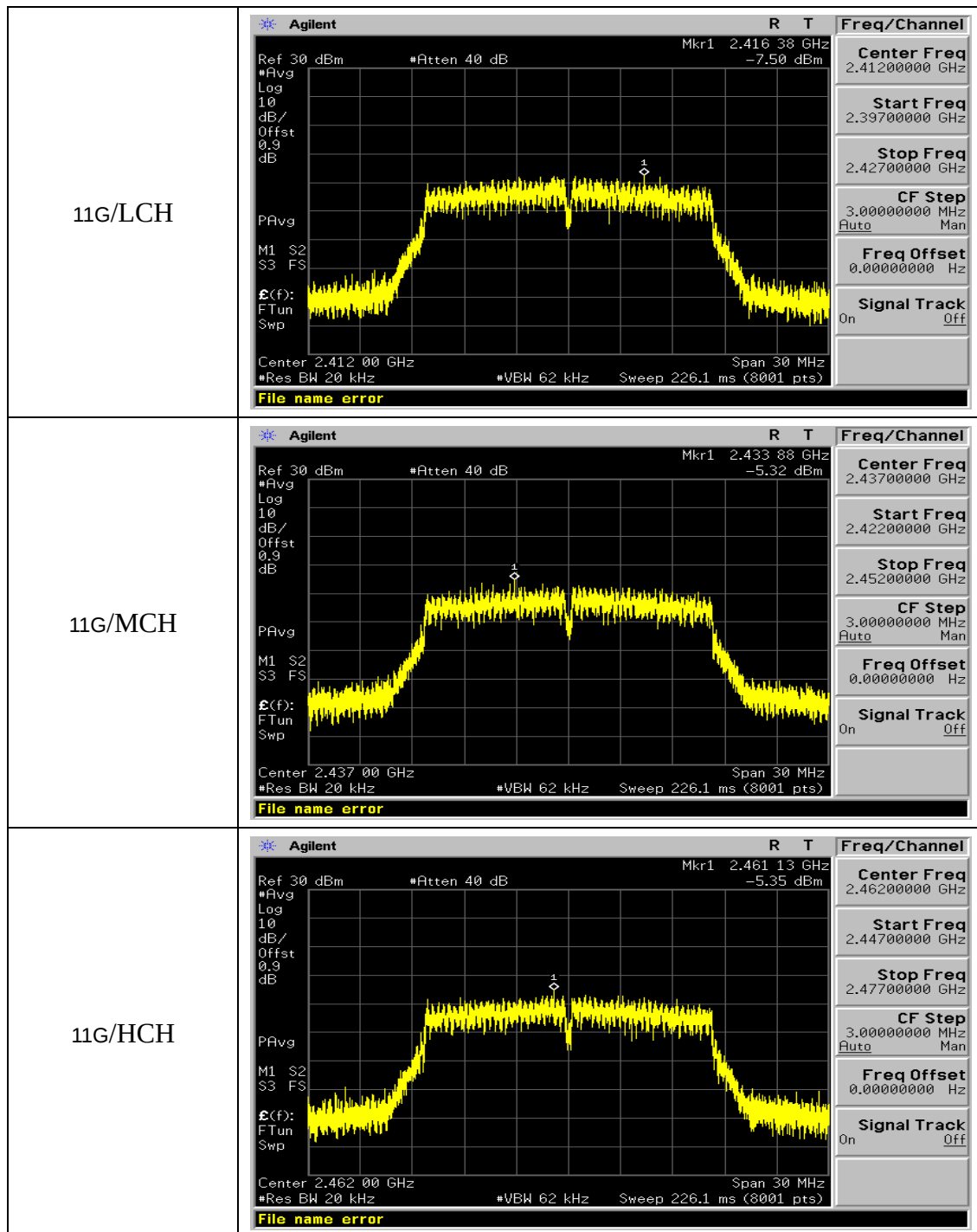
Refer To Section 6.

### 10.4 LIMITS AND MEASUREMENT RESULT

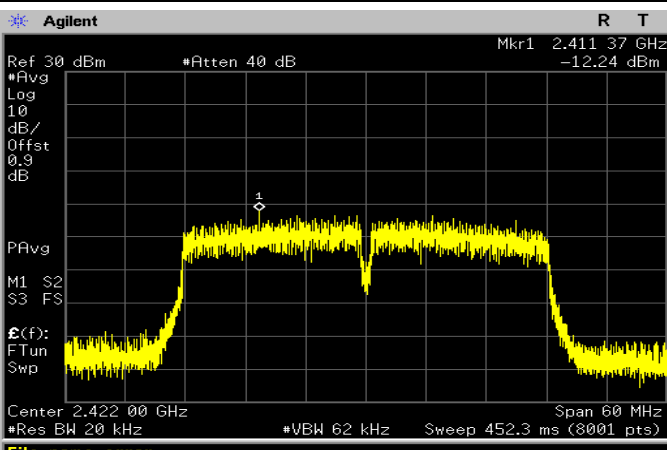
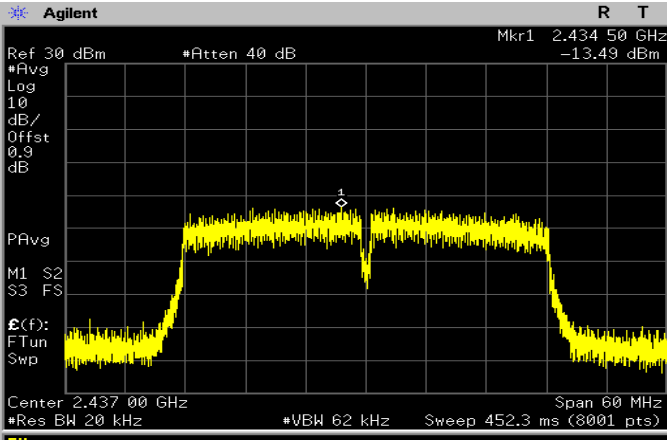
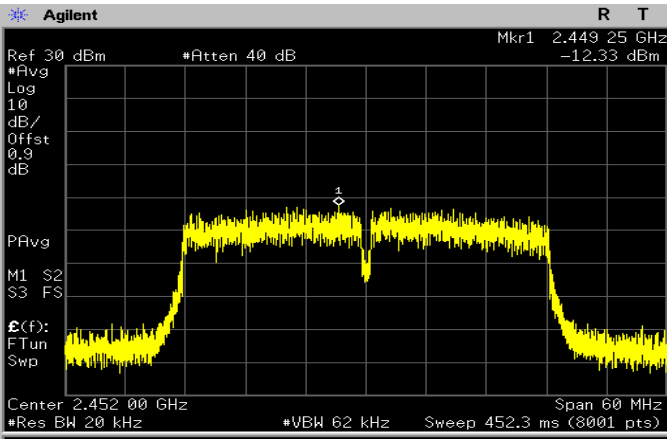
| Mode      | Channel | Av.PSD [dBm/20kHz] | Limit[dBm/3kHz] | Verdict |
|-----------|---------|--------------------|-----------------|---------|
| 11B       | LCH     | 3.24               | 8               | PASS    |
| 11B       | MCH     | -1.8               | 8               | PASS    |
| 11B       | HCH     | -0.59              | 8               | PASS    |
| 11G       | LCH     | -7.5               | 8               | PASS    |
| 11G       | MCH     | -5.32              | 8               | PASS    |
| 11G       | HCH     | -5.35              | 8               | PASS    |
| 11N20SISO | LCH     | -6.69              | 8               | PASS    |
| 11N20SISO | MCH     | -5.99              | 8               | PASS    |
| 11N20SISO | HCH     | -5.28              | 8               | PASS    |
| 11N40SISO | LCH     | -12.24             | 8               | PASS    |
| 11N40SISO | MCH     | -13.49             | 8               | PASS    |
| 11N40SISO | HCH     | -12.33             | 8               | PASS    |

## Test Graph





|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11N20SISO/LCH | <div><div><div>Agilent</div><div>Ref 30 dBm *Atten 40 dB</div><div>Mkr1 2.410 76 GHz<br/>-6.69 dBm</div><div>Center 2.412 00 GHz<br/>*Res BW 20 kHz *VBW 62 kHz Sweep 226.1 ms (8001 pts)</div><div>Span 30 MHz</div><div>File name error</div></div><div><div>Freq/Channel</div><div>Center Freq<br/>2.41200000 GHz</div><div>Start Freq<br/>2.39700000 GHz</div><div>Stop Freq<br/>2.42700000 GHz</div><div>CF Step<br/>3.00000000 MHz<br/>Auto Man</div><div>Freq Offset<br/>0.00000000 Hz</div><div>Signal Track<br/>On Off</div></div></div> |
| 11N20SISO/MCH | <div><div><div>Agilent</div><div>Ref 30 dBm *Atten 40 dB</div><div>Mkr1 2.435 74 GHz<br/>-5.99 dBm</div><div>Center 2.437 00 GHz<br/>*Res BW 20 kHz *VBW 62 kHz Sweep 226.1 ms (8001 pts)</div><div>Span 30 MHz</div><div>File name error</div></div><div><div>Freq/Channel</div><div>Center Freq<br/>2.43700000 GHz</div><div>Start Freq<br/>2.42200000 GHz</div><div>Stop Freq<br/>2.45200000 GHz</div><div>CF Step<br/>3.00000000 MHz<br/>Auto Man</div><div>Freq Offset<br/>0.00000000 Hz</div><div>Signal Track<br/>On Off</div></div></div> |
| 11N20SISO/HCH | <div><div><div>Agilent</div><div>Ref 30 dBm *Atten 40 dB</div><div>Mkr1 2.462 25 GHz<br/>-5.28 dBm</div><div>Center 2.462 00 GHz<br/>*Res BW 20 kHz *VBW 62 kHz Sweep 226.1 ms (8001 pts)</div><div>Span 30 MHz</div><div>File name error</div></div><div><div>Freq/Channel</div><div>Center Freq<br/>2.46200000 GHz</div><div>Start Freq<br/>2.44700000 GHz</div><div>Stop Freq<br/>2.47700000 GHz</div><div>CF Step<br/>3.00000000 MHz<br/>Auto Man</div><div>Freq Offset<br/>0.00000000 Hz</div><div>Signal Track<br/>On Off</div></div></div> |

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11N40SISO/LCH |  <p>Agilent R T Freq/Channel</p> <p>Ref 30 dBm *Atten 40 dB Mkr1 2.411 37 GHz -12.24 dBm</p> <p>Center 2.422 00 GHz Span 60 MHz *Res BW 20 kHz *VBW 62 kHz Sweep 452.3 ms (8001 pts)</p> <p>File name error</p> <p>Center Freq 2.42200000 GHz</p> <p>Start Freq 2.39200000 GHz</p> <p>Stop Freq 2.45200000 GHz</p> <p>CF Step 6.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p>   |
| 11N40SISO/MCH |  <p>Agilent R T Freq/Channel</p> <p>Ref 30 dBm *Atten 40 dB Mkr1 2.434 50 GHz -13.49 dBm</p> <p>Center 2.437 00 GHz Span 60 MHz *Res BW 20 kHz *VBW 62 kHz Sweep 452.3 ms (8001 pts)</p> <p>File name error</p> <p>Center Freq 2.43700000 GHz</p> <p>Start Freq 2.40700000 GHz</p> <p>Stop Freq 2.46700000 GHz</p> <p>CF Step 6.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p>  |
| 11N40SISO/HCH |  <p>Agilent R T Freq/Channel</p> <p>Ref 30 dBm *Atten 40 dB Mkr1 2.449 25 GHz -12.33 dBm</p> <p>Center 2.452 00 GHz Span 60 MHz *Res BW 20 kHz *VBW 62 kHz Sweep 452.3 ms (8001 pts)</p> <p>File name error</p> <p>Center Freq 2.45200000 GHz</p> <p>Start Freq 2.42200000 GHz</p> <p>Stop Freq 2.48200000 GHz</p> <p>CF Step 6.00000000 MHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p> |

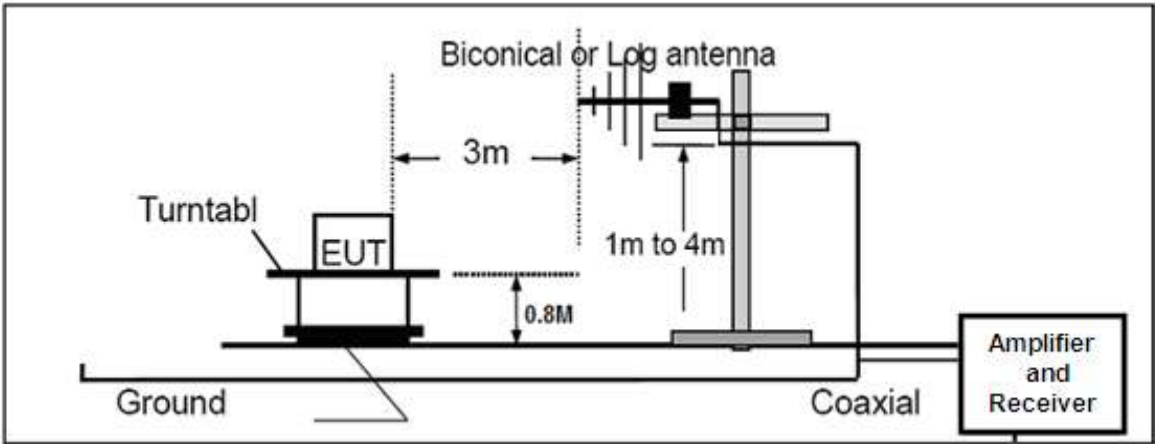
## **11. RADIATED EMISSION**

### **11.1. MEASUREMENT PROCEDURE**

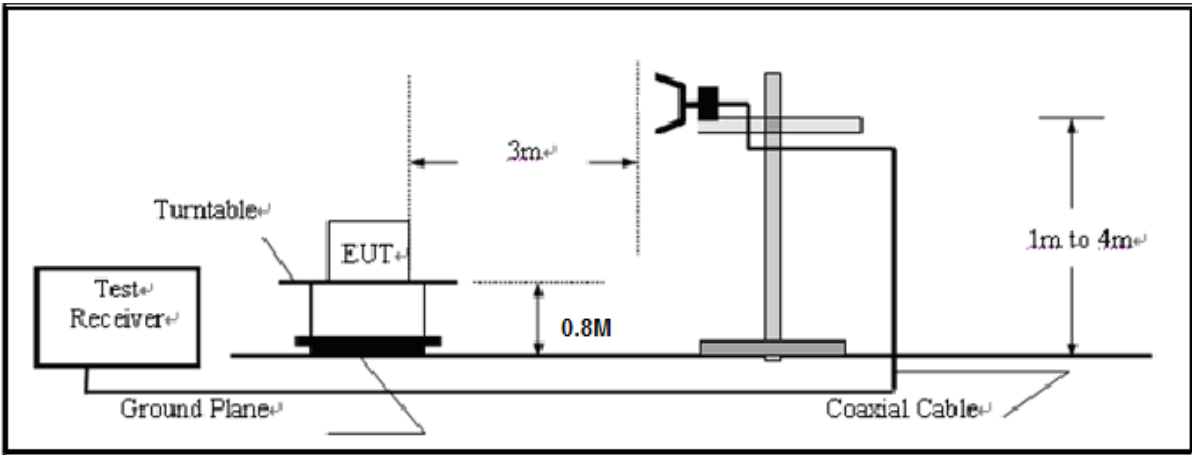
1. Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High - Low scan is not required in this case.

11.2. TEST SETUP

RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



### 11.3. LIMITS AND MEASUREMENT RESULT

15.209(a) Limit in the below table has to be followed

| Frequencies<br>(MHz) | Field Strength<br>(micorvolts/meter) | Measurement Distance<br>(meters) |
|----------------------|--------------------------------------|----------------------------------|
| 0.009~0.490          | 2400/F(KHz)                          | 300                              |
| 0.490~1.705          | 24000/F(KHz)                         | 30                               |
| 1.705~30.0           | 30                                   | 30                               |
| 30~88                | 100                                  | 3                                |
| 88~216               | 150                                  | 3                                |
| 216~960              | 200                                  | 3                                |
| Above 960            | 500                                  | 3                                |

Note: All modes were tested For restricted band radiated emission,  
the test records reported below are the worst result compared to other modes.

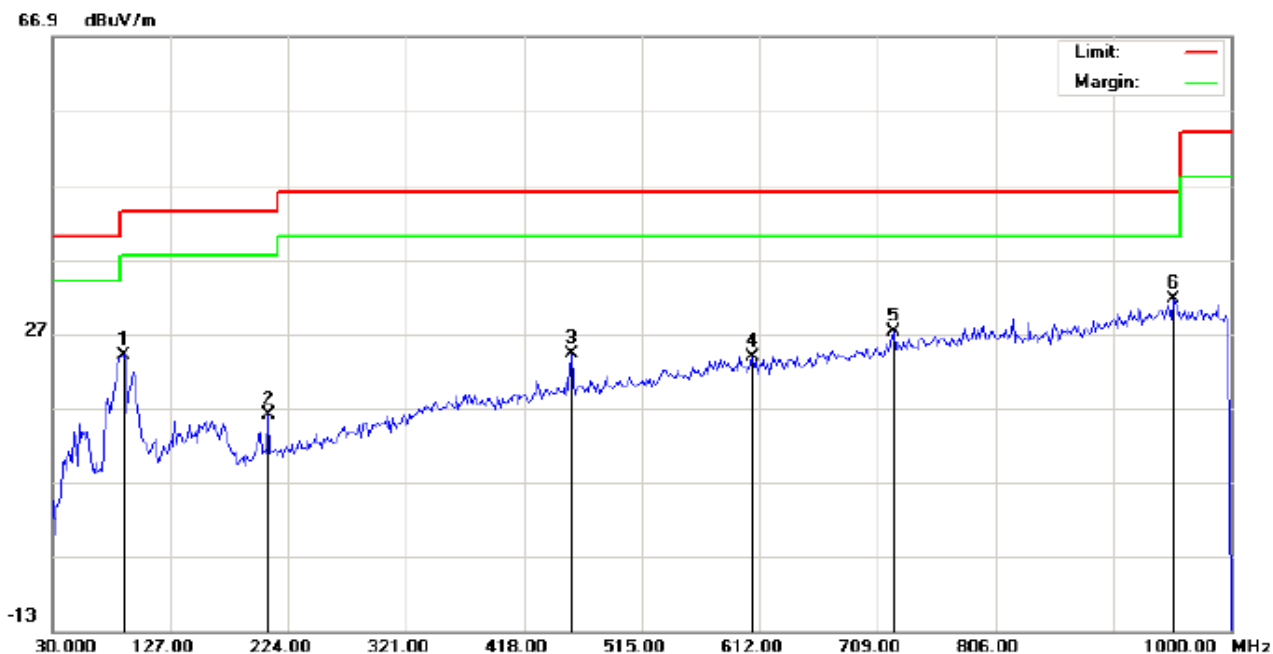
### 11.4. TEST RESULT

#### RADIATED EMISSION BELOW 30MHZ

No emission found between lowest internal used/generated frequencies to 30MHz.

### RADIATED EMISSION BELOW 1GHZ

|             |                                     |                   |                |
|-------------|-------------------------------------|-------------------|----------------|
| EUT         | mobile phone                        | Model Name        | Nova 3.5       |
| Temperature | 25°C                                | Relative Humidity | 55.4%          |
| Pressure    | 960hPa                              | Test Voltage      | Normal Voltage |
| Test Mode   | 802.11b with data rate 1<br>2412MHZ | Antenna           | Horizontal     |



Site: site #1  
Limit: FCC Class B 3M Radiation  
EUT: mobile phone  
M/N: Nova 3.5  
Mode: Low channel TX  
Note:

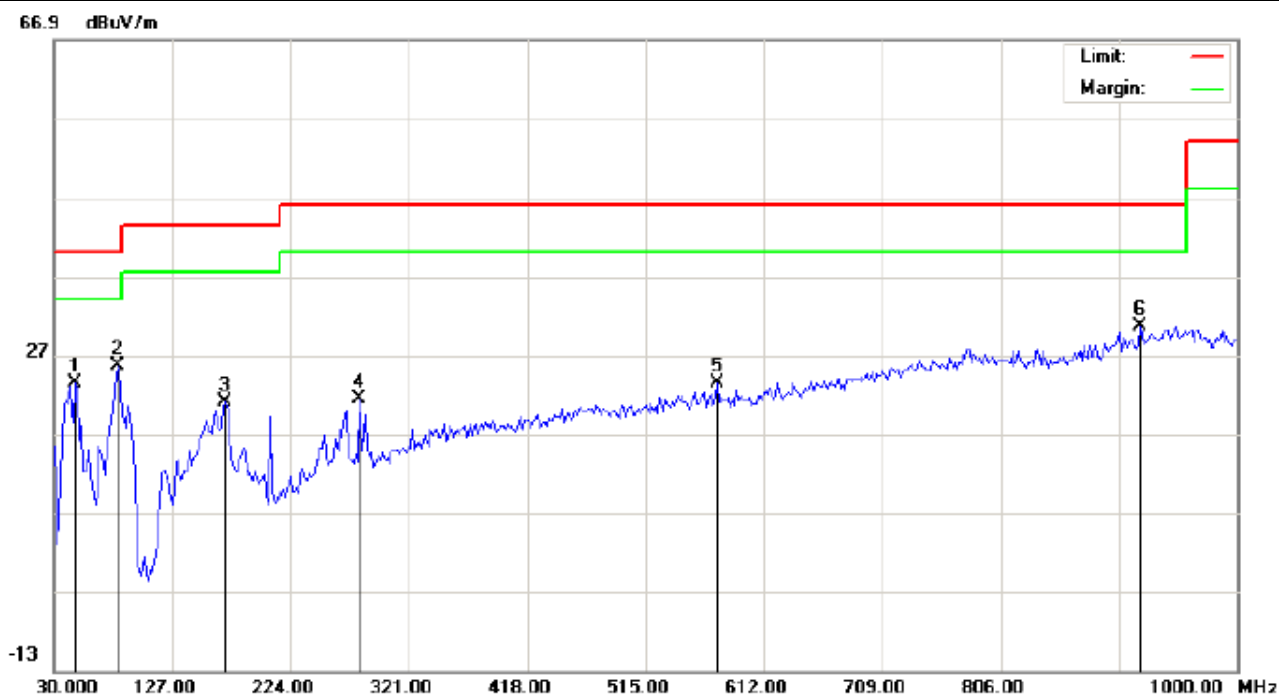
Polarization: **Horizontal**  
Power: AC 120V/60Hz  
Distance: 3m

Temperature: 22.7  
Humidity: 53.6 %

| No. | Mk | Freq.<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Measurement<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Antenna<br>Height<br>cm | Table<br>Degree<br>degree | Comment |
|-----|----|--------------|-----------------|----------------|-----------------------|-----------------|------------|----------|-------------------------|---------------------------|---------|
| 1   |    | 88.2000      | 14.64           | 9.46           | 24.10                 | 43.50           | -19.40     | peak     |                         |                           |         |
| 2   |    | 207.8333     | 3.62            | 12.30          | 15.92                 | 43.50           | -27.58     | peak     |                         |                           |         |
| 3   |    | 456.8000     | 3.47            | 20.66          | 24.13                 | 46.00           | -21.87     | peak     |                         |                           |         |
| 4   |    | 605.5333     | -0.02           | 23.74          | 23.72                 | 46.00           | -22.28     | peak     |                         |                           |         |
| 5   |    | 721.9333     | 1.31            | 25.82          | 27.13                 | 46.00           | -18.87     | peak     |                         |                           |         |
| 6   | *  | 953.1167     | 1.67            | 29.97          | 31.64                 | 46.00           | -14.36     | peak     |                         |                           |         |

**RESULT: PASS**

|             |                                     |                   |                |
|-------------|-------------------------------------|-------------------|----------------|
| EUT         | mobile phone                        | Model Name        | Nova 3.5       |
| Temperature | 25°C                                | Relative Humidity | 55.4%          |
| Pressure    | 960hPa                              | Test Voltage      | Normal Voltage |
| Test Mode   | 802.11b with data rate 1<br>2412MHZ | Antenna           | Vertical       |

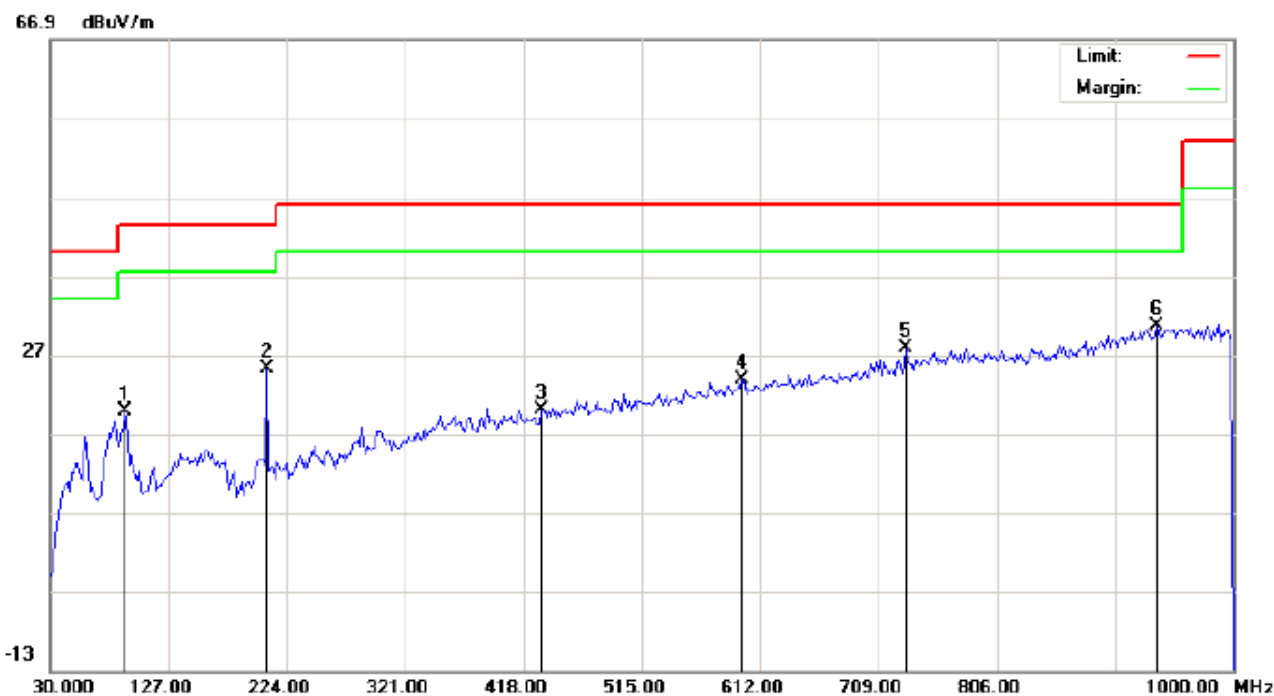


|                                 |                               |                   |
|---------------------------------|-------------------------------|-------------------|
| Site: site #1                   | Polarization: <b>Vertical</b> | Temperature: 22.7 |
| Limit: FCC Class B 3M Radiation | Power: AC 120V/60Hz           | Humidity: 53.6 %  |
| EUT: mobile phone               | Distance: 3m                  |                   |
| M/N: Nova 3.5                   |                               |                   |
| Mode: Low channel TX            |                               |                   |
| Note:                           |                               |                   |

| No. | Mk | Freq.    | Reading | Factor | Measurement | Limit  | Over   | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
|     |    | MHz      | dBuV    | dB/m   | dBuV/m      | dBuV/m | dB     |          | cm             | degree       |         |
| 1   |    | 47.7833  | 15.00   | 8.39   | 23.39       | 40.00  | -16.61 | peak     |                |              |         |
| 2   | *  | 81.7333  | 23.27   | 2.42   | 25.69       | 40.00  | -14.31 | peak     |                |              |         |
| 3   |    | 170.6500 | 6.25    | 14.66  | 20.91       | 43.50  | -22.59 | peak     |                |              |         |
| 4   |    | 280.5833 | 6.58    | 14.82  | 21.40       | 46.00  | -24.60 | peak     |                |              |         |
| 5   |    | 573.2000 | 0.85    | 22.60  | 23.45       | 46.00  | -22.55 | peak     |                |              |         |
| 6   |    | 920.7833 | 1.37    | 29.19  | 30.56       | 46.00  | -15.44 | peak     |                |              |         |

**RESULT: PASS**

|             |                                     |                   |                |
|-------------|-------------------------------------|-------------------|----------------|
| EUT         | mobile phone                        | Model Name        | Nova 3.5       |
| Temperature | 25°C                                | Relative Humidity | 55.4%          |
| Pressure    | 960hPa                              | Test Voltage      | Normal Voltage |
| Test Mode   | 802.11b with data rate 1<br>2437MHZ | Antenna           | Horizontal     |

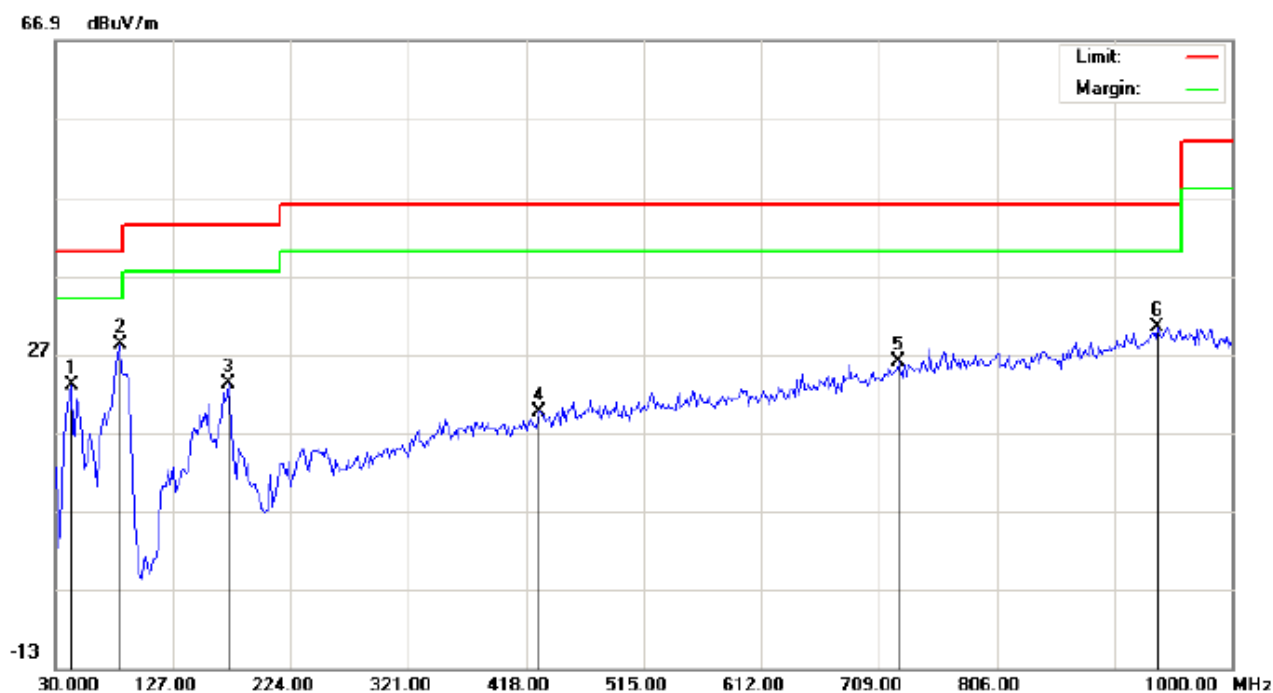


|                                 |                                 |                   |
|---------------------------------|---------------------------------|-------------------|
| Site: site #1                   | Polarization: <b>Horizontal</b> | Temperature: 22.7 |
| Limit: FCC Class B 3M Radiation | Power: AC 120V/60Hz             | Humidity: 53.6 %  |
| EUT: mobile phone               | Distance: 3m                    |                   |
| M/N: Nova 3.5                   |                                 |                   |
| Mode: Middle channel TX         |                                 |                   |
| Note:                           |                                 |                   |

| No. | Mk | Freq.    | Reading | Factor | Measurement | Limit  | Over   | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
|     |    | MHz      | dBuV    | dB/m   | dBuV/m      | dBuV/m | dB     |          | cm             | degree       |         |
| 1   |    | 91.4333  | 10.30   | 9.54   | 19.84       | 43.50  | -23.66 | peak     |                |              |         |
| 2   |    | 207.8333 | 12.82   | 12.30  | 25.12       | 43.50  | -18.38 | peak     |                |              |         |
| 3   |    | 432.5500 | -0.05   | 20.06  | 20.01       | 46.00  | -25.99 | peak     |                |              |         |
| 4   |    | 597.4500 | 0.18    | 23.67  | 23.85       | 46.00  | -22.15 | peak     |                |              |         |
| 5   |    | 731.6333 | 1.64    | 26.10  | 27.74       | 46.00  | -18.26 | peak     |                |              |         |
| 6   | *  | 936.9500 | 0.89    | 29.64  | 30.53       | 46.00  | -15.47 | peak     |                |              |         |

**RESULT: PASS**

|             |                                     |                   |                |
|-------------|-------------------------------------|-------------------|----------------|
| EUT         | mobile phone                        | Model Name        | Nova 3.5       |
| Temperature | 25°C                                | Relative Humidity | 55.4%          |
| Pressure    | 960hPa                              | Test Voltage      | Normal Voltage |
| Test Mode   | 802.11b with data rate 1<br>2437MHZ | Antenna           | Vertical       |

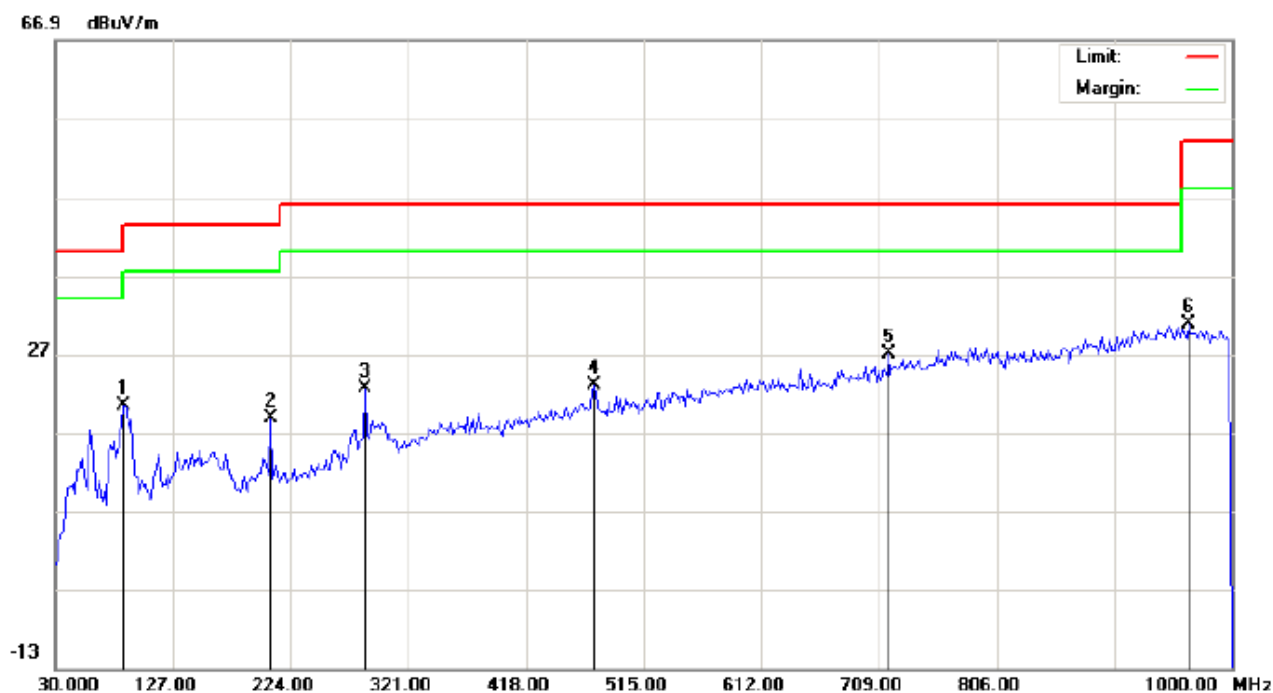


Site: site #1 Polarization: **Vertical** Temperature: 22.7  
Limit: FCC Class B 3M Radiation Power: AC 120V/60Hz Humidity: 53.6 %  
EUT: mobile phone Distance: 3m  
M/N: Nova 3.5  
Mode: Middle channel TX  
Note:

| No. | Mk | Freq.    | Reading | Factor | Measurement | Limit  | Over   | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
|     |    | MHz      | dBuV    | dB/m   | dBuV/m      | dBuV/m | dB     |          | cm             | degree       |         |
| 1   |    | 42.9333  | 14.21   | 8.71   | 22.92       | 40.00  | -17.08 | peak     |                |              |         |
| 2   | *  | 83.3500  | 25.14   | 3.00   | 28.14       | 40.00  | -11.86 | peak     |                |              |         |
| 3   |    | 172.2667 | 8.56    | 14.56  | 23.12       | 43.50  | -20.38 | peak     |                |              |         |
| 4   |    | 429.3167 | -0.40   | 19.96  | 19.56       | 46.00  | -26.44 | peak     |                |              |         |
| 5   |    | 725.1667 | 0.03    | 25.91  | 25.94       | 46.00  | -20.06 | peak     |                |              |         |
| 6   |    | 938.5667 | 0.77    | 29.68  | 30.45       | 46.00  | -15.55 | peak     |                |              |         |

**RESULT: PASS**

|             |                                     |                   |                |
|-------------|-------------------------------------|-------------------|----------------|
| EUT         | mobile phone                        | Model Name        | Nova 3.5       |
| Temperature | 25°C                                | Relative Humidity | 55.4%          |
| Pressure    | 960hPa                              | Test Voltage      | Normal Voltage |
| Test Mode   | 802.11b with data rate 1<br>2462MHZ | Antenna           | Horizontal     |

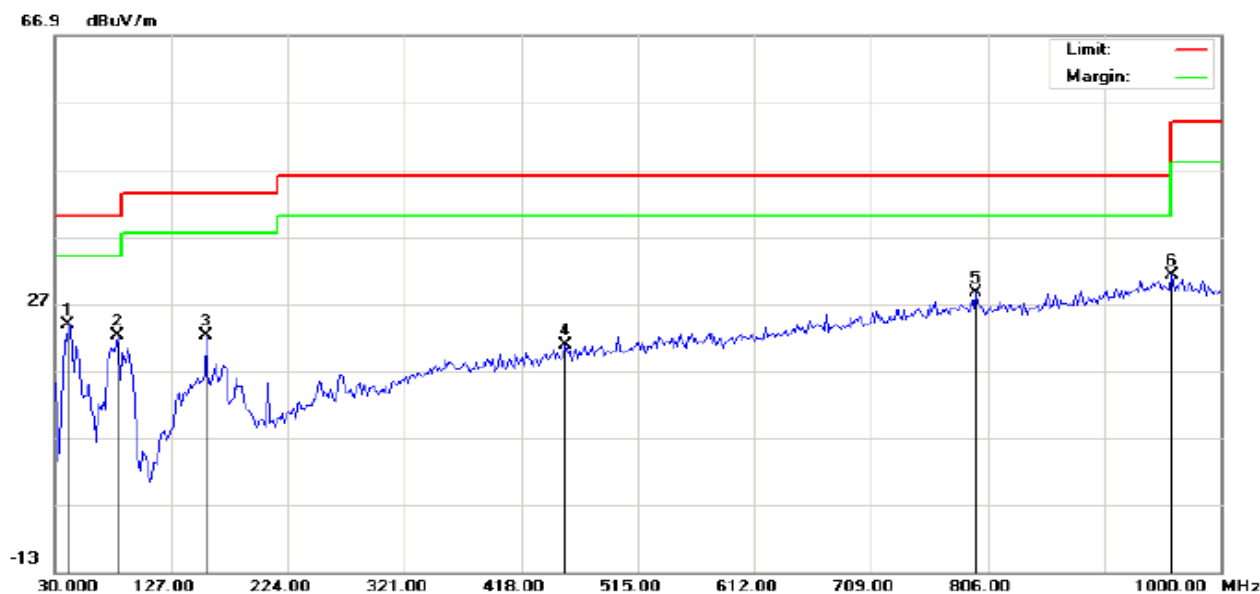


Site: site #1 Polarization: **Horizontal** Temperature: 22.7  
Limit: FCC Class B 3M Radiation Power: AC 120V/60Hz Humidity: 53.6 %  
EUT: mobile phone Distance: 3m  
M/N: Nova 3.5  
Mode: High channel TX  
Note:

| No. | Mk | Freq.<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Measurement<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Antenna<br>Height<br>cm | Table<br>Degree<br>degree | Comment |
|-----|----|--------------|-----------------|----------------|-----------------------|-----------------|------------|----------|-------------------------|---------------------------|---------|
| 1   |    | 86.5833      | 10.86           | 9.52           | 20.38                 | 40.00           | -19.62     | peak     |                         |                           |         |
| 2   |    | 207.8333     | 6.59            | 12.30          | 18.89                 | 43.50           | -24.61     | peak     |                         |                           |         |
| 3   |    | 285.4333     | 7.60            | 14.97          | 22.57                 | 46.00           | -23.43     | peak     |                         |                           |         |
| 4   |    | 474.5833     | 2.11            | 20.86          | 22.97                 | 46.00           | -23.03     | peak     |                         |                           |         |
| 5   | *  | 717.0833     | 1.32            | 25.68          | 27.00                 | 46.00           | -19.00     | peak     |                         |                           |         |
| 6   |    | 964.4333     | 0.98            | 29.86          | 30.84                 | 54.00           | -23.16     | peak     |                         |                           |         |

**RESULT: PASS**

|             |                                     |                   |                |
|-------------|-------------------------------------|-------------------|----------------|
| EUT         | mobile phone                        | Model Name        | Nova 3.5       |
| Temperature | 25°C                                | Relative Humidity | 55.4%          |
| Pressure    | 960hPa                              | Test Voltage      | Normal Voltage |
| Test Mode   | 802.11b with data rate 1<br>2462MHZ | Antenna           | Vertical       |



Site: site #1  
Limit: FCC Class B 3M Radiation  
EUT: mobile phone  
M/N: Nova 3.5  
Mode: High channel TX  
Note:

Polarization: **Vertical**  
Power: AC 120V/60Hz  
Distance: 3m

Temperature: 22.7  
Humidity: 53.6 %

| No. | Mk | Freq.<br>MHz | Reading<br>dBuV | Factor<br>dB/m | Measurement<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Antenna<br>Height<br>cm | Table<br>Degree<br>degree | Comment |
|-----|----|--------------|-----------------|----------------|-----------------------|-----------------|------------|----------|-------------------------|---------------------------|---------|
| 1   |    | 41.3167      | 14.97           | 8.81           | 23.78                 | 40.00           | -16.22     | peak     |                         |                           |         |
| 2   |    | 81.7333      | 19.73           | 2.42           | 22.15                 | 40.00           | -17.85     | peak     |                         |                           |         |
| 3   |    | 156.1000     | 6.86            | 15.30          | 22.16                 | 43.50           | -21.34     | peak     |                         |                           |         |
| 4   |    | 455.1833     | 0.19            | 20.65          | 20.84                 | 46.00           | -25.16     | peak     |                         |                           |         |
| 5   |    | 796.3000     | 1.25            | 27.27          | 28.52                 | 46.00           | -17.48     | peak     |                         |                           |         |
| 6   | *  | 959.5833     | 1.39            | 29.91          | 31.30                 | 46.00           | -14.70     | peak     |                         |                           |         |

## RESULT: PASS

**Note:** 1. Factor=Antenna Factor + Cable loss, Margin= Result -Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.

3. 30MHz~1GHz:(Scan with 11b,11g,11n, the worst case is 11b Mode)

### RADIATED EMISSION ABOVE 1GHZ

| Frequency      | Meter Reading | Factor | Emission Level | Limits   | Margin | Detector | Comment    |
|----------------|---------------|--------|----------------|----------|--------|----------|------------|
| (MHz)          | (dBμV)        | (dB)   | (dBμV/m)       | (dBμV/m) | (dB)   | Type     |            |
| TX 11b 2412MHz |               |        |                |          |        |          |            |
| 4824.092       | 46.42         | 10.44  | 56.86          | 74       | -17.14 | Pk       | Horizontal |
| 4824.092       | 31.68         | 10.44  | 42.12          | 54       | -11.88 | AV       | Horizontal |
| 7236.127       | 43.38         | 10.39  | 53.77          | 74       | -20.23 | pk       | Horizontal |
| 7236.127       | 33.27         | 10.39  | 43.66          | 54       | -10.34 | AV       | Horizontal |
| 4824.098       | 49.83         | 10.39  | 60.22          | 74       | -13.78 | Pk       | Vertical   |
| 4824.082       | 33.67         | 10.39  | 44.06          | 54       | -9.94  | AV       | Vertical   |
| 7236.110       | 48.29         | 10.68  | 58.97          | 74       | -15.03 | Pk       | Vertical   |
| 7236.054       | 30.43         | 10.68  | 41.11          | 54       | -12.89 | AV       | Vertical   |
| TX 11b 2437MHz |               |        |                |          |        |          |            |
| 4874.072       | 49.75         | 10.39  | 60.14          | 74       | -13.86 | Pk       | Horizontal |
| 4874.108       | 33.81         | 10.39  | 44.2           | 54       | -9.8   | AV       | Horizontal |
| 7311.092       | 48.64         | 12.68  | 61.32          | 74       | -12.68 | Pk       | Horizontal |
| 7311.131       | 30.39         | 12.68  | 43.07          | 54       | -10.93 | AV       | Horizontal |
| 4874.098       | 49.43         | 10.39  | 59.82          | 74       | -14.18 | Pk       | Vertical   |
| 4874.044       | 33.58         | 10.39  | 43.97          | 54       | -10.03 | AV       | Vertical   |
| 7311.145       | 48.73         | 12.68  | 61.41          | 74       | -12.59 | Pk       | Vertical   |
| 7311.104       | 30.18         | 12.68  | 42.86          | 54       | -11.14 | AV       | Vertical   |
| TX 11b 2462MHz |               |        |                |          |        |          |            |
| 4924.128       | 49.63         | 10.39  | 60.02          | 74       | -13.98 | pk       | Horizontal |
| 4924.083       | 33.54         | 10.39  | 43.93          | 54       | -10.07 | AV       | Horizontal |
| 7386.071       | 48.32         | 12.68  | 61             | 74       | -13    | pk       | Horizontal |
| 7386.134       | 30.48         | 12.68  | 43.16          | 54       | -10.84 | AV       | Horizontal |
| 4924.042       | 49.67         | 10.39  | 60.06          | 74       | -13.94 | pk       | Vertical   |
| 4924.060       | 33.39         | 10.39  | 43.78          | 54       | -10.22 | AV       | Vertical   |
| 7386.051       | 48.27         | 12.68  | 60.95          | 74       | -13.05 | pk       | Vertical   |
| 7386.054       | 30.73         | 12.68  | 43.41          | 54       | -10.59 | AV       | Vertical   |

### RESULT: PASS

**Note:** 1~25GHz scan with 11b. No recording in the test report at least have 20dB margin.

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Emission Level = Meter Reading + Factor

Margin = Emission Level - Limit

## 12. BAND EDGE EMISSION

### 12.1. MEASUREMENT PROCEDURE

1) Radiated restricted band edge measurements

The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting

2) Conducted Emissions at the bang edge

a) The transmitter output was connected to the spectrum analyzer

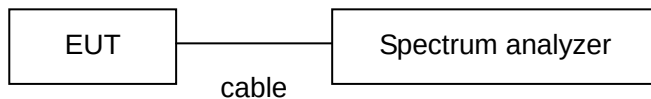
b) Set RBW=100kHz, VBW=300kHz

c) Suitable frequency span including 100kHz bandwidth from band edge

### 12.2. TEST SET-UP

Radiated same as 11.2

Conducted set up



### 12.3. Radiated Test Result

| Frequency      | Meter Reading | Factor | Emission Level | Limits   | Margin | Detector | Comment    |
|----------------|---------------|--------|----------------|----------|--------|----------|------------|
| (MHz)          | (dBμV)        | (dB)   | (dBμV/m)       | (dBμV/m) | (dB)   | Type     |            |
| TX 11b 2412MHz |               |        |                |          |        |          |            |
| 2399.9         | 78.43         | -13    | 65.43          | 74       | -8.57  | peak     | Horizontal |
| 2399.9         | 59.57         | -13    | 46.57          | 54       | -7.43  | AVG      | Horizontal |
| 2400           | 79.46         | -12.99 | 66.47          | 74       | -7.53  | peak     | Horizontal |
| 2400           | 58.29         | -12.99 | 45.3           | 54       | -8.7   | AVG      | Horizontal |
| 2399.9         | 79.73         | -12.97 | 66.76          | 74       | -7.24  | peak     | Vertical   |
| 2399.9         | 59.64         | -12.97 | 46.67          | 54       | -7.33  | AVG      | Vertical   |
| 2400           | 79.57         | -12.94 | 66.63          | 74       | -7.37  | peak     | Vertical   |
| 2400           | 59.29         | -12.94 | 46.35          | 54       | -7.65  | AVG      | Vertical   |
| TX 11b 2462MHz |               |        |                |          |        |          |            |
| 2483.5         | 78.57         | -12.78 | 65.79          | 74       | -8.21  | peak     | Horizontal |
| 2483.5         | 58.28         | -12.78 | 45.5           | 54       | -8.5   | AVG      | Horizontal |
| 2483.6         | 78.67         | -12.77 | 65.9           | 74       | -8.1   | peak     | Horizontal |
| 2483.6         | 58.32         | -12.77 | 45.55          | 54       | -8.45  | AVG      | Horizontal |
| 2483.5         | 79.28         | -12.76 | 66.52          | 74       | -7.48  | peak     | Vertical   |
| 2483.5         | 57.49         | -12.76 | 44.73          | 54       | -9.27  | AVG      | Vertical   |
| 2483.6         | 78.48         | -12.72 | 65.76          | 74       | -8.24  | peak     | Vertical   |
| 2483.6         | 58.51         | -12.72 | 45.79          | 54       | -8.21  | AVG      | Vertical   |

### RESULT: PASS

**Note:** Scan with 11b,11g,11n, the worst casw is 11b Mode

Factor=Antenna Factor + Cable loss - Amplifier gain,

Emission Level = Meter Reading + Factor

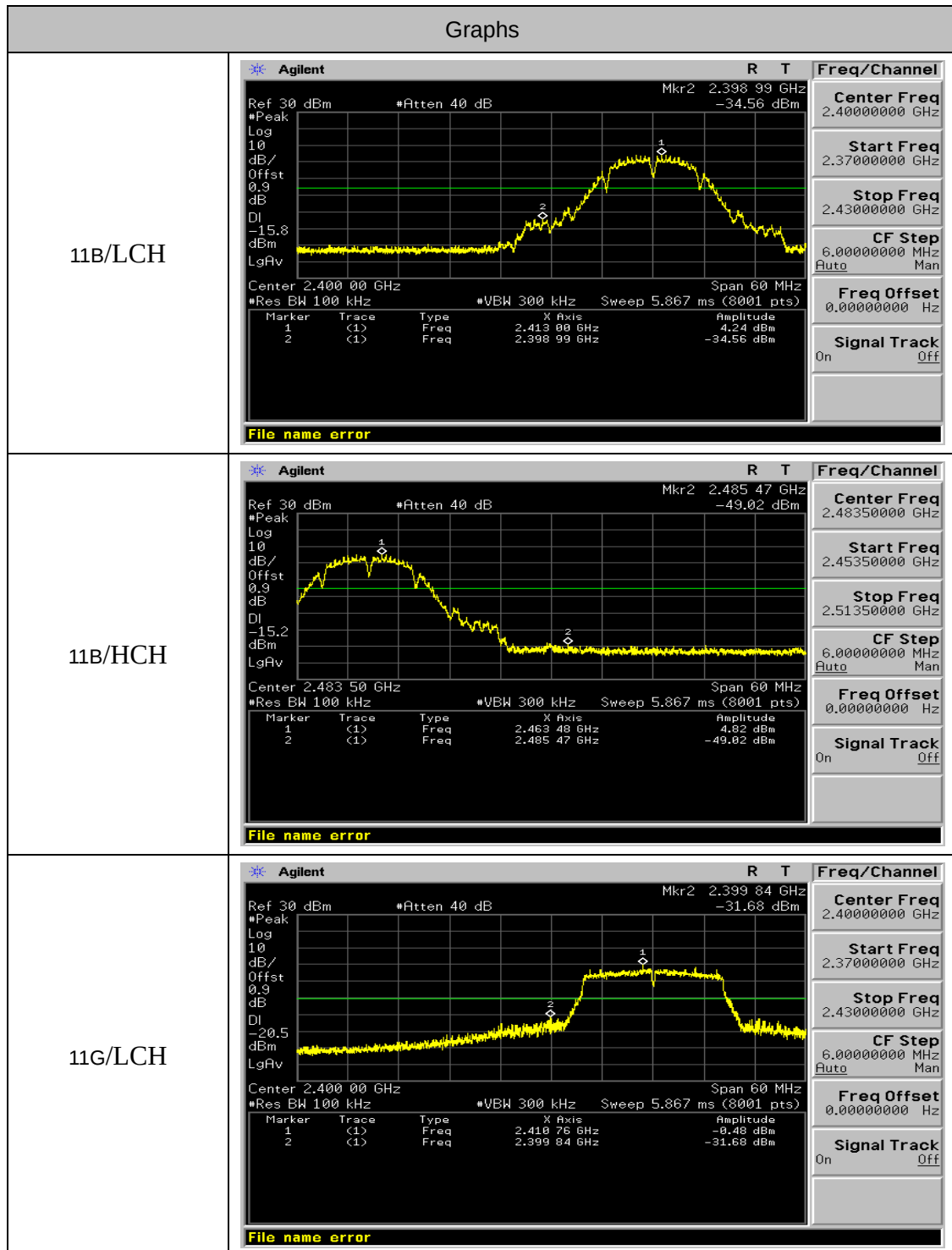
Margin= Emission Level -Limit.

The “Factor” value can be calculated automatically by software of measurement system.

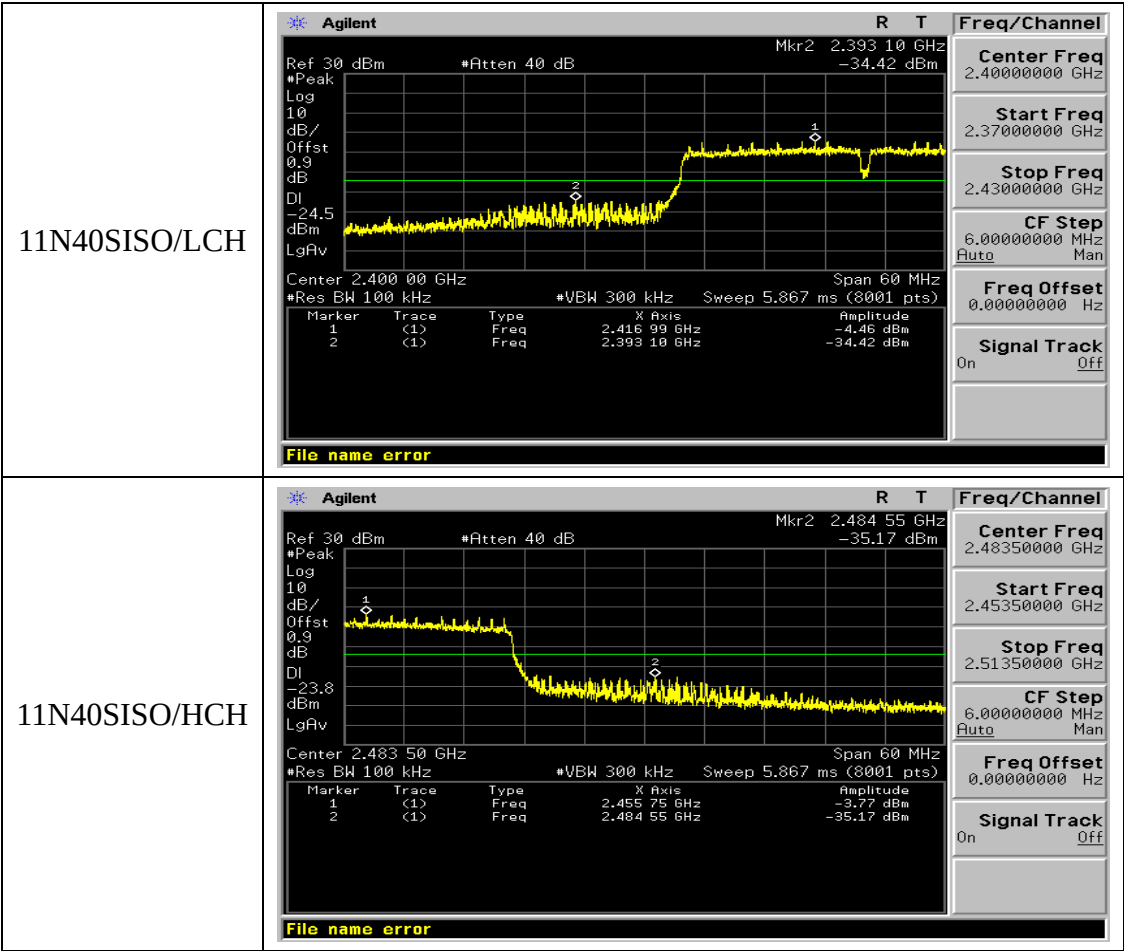
#### 12.4. Conducted Test Result

| Mode      | Channel | Carrier Power[dBm] | Max.Spurious Level [dBm] | Limit [dBm] | Verdict |
|-----------|---------|--------------------|--------------------------|-------------|---------|
| 11B       | LCH     | 4.24               | -34.56                   | -15.76      | PASS    |
| 11B       | HCH     | 4.82               | -49.02                   | -15.18      | PASS    |
| 11G       | LCH     | -0.48              | -31.68                   | -20.48      | PASS    |
| 11G       | HCH     | -0.1               | -38.46                   | -20.1       | PASS    |
| 11N20SISO | LCH     | -0.78              | -33.75                   | -20.78      | PASS    |
| 11N20SISO | HCH     | 1                  | -37.44                   | -19         | PASS    |
| 11N40SISO | LCH     | -4.46              | -34.42                   | -24.46      | PASS    |
| 11N40SISO | HCH     | -3.77              | -35.18                   | -23.77      | PASS    |

## Test Graph







### 13. FCC LINE CONDUCTED EMISSION TEST

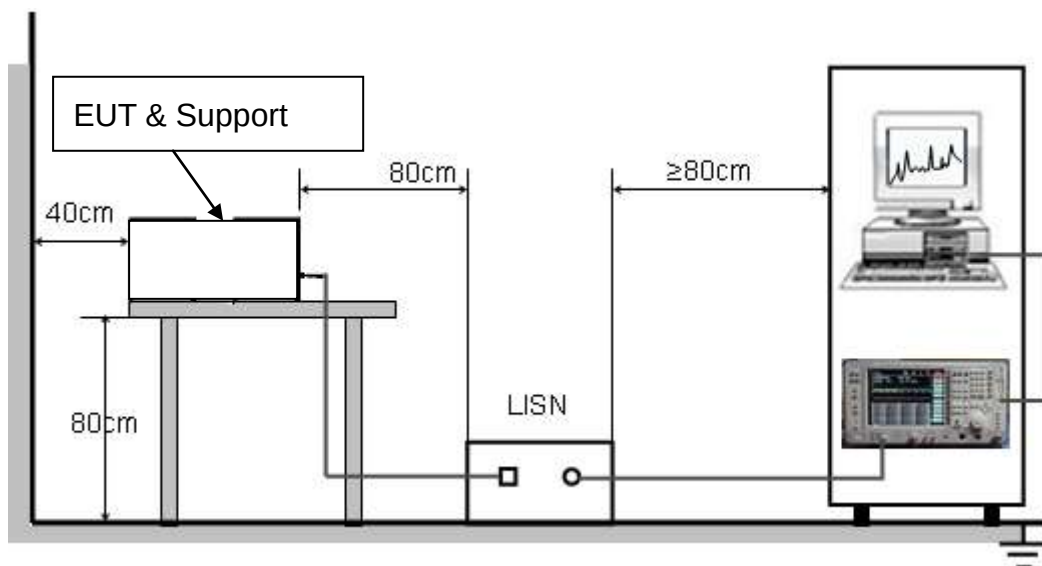
#### 13.1. LIMITS OF LINE CONDUCTED EMISSION TEST

| Frequency     | Maximum RF Line Voltage |                |
|---------------|-------------------------|----------------|
|               | Q.P.( dBuV)             | Average( dBuV) |
| 150kHz~500kHz | 66-56                   | 56-46          |
| 500kHz~5MHz   | 56                      | 46             |
| 5MHz~30MHz    | 60                      | 50             |

Note:

1. The lower limit shall apply at the transition frequency.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

#### 13.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



### **13.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST**

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
2. Support equipment, if needed, was placed as per ANSI C63.4.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
4. All support equipments received AC120V/60Hz power from a LISN, if any.
5. The EUT received charging voltage by adapter which received 120V/60Hz power by a LISN..
6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.
9. The test mode(s) were scanned during the preliminary test.

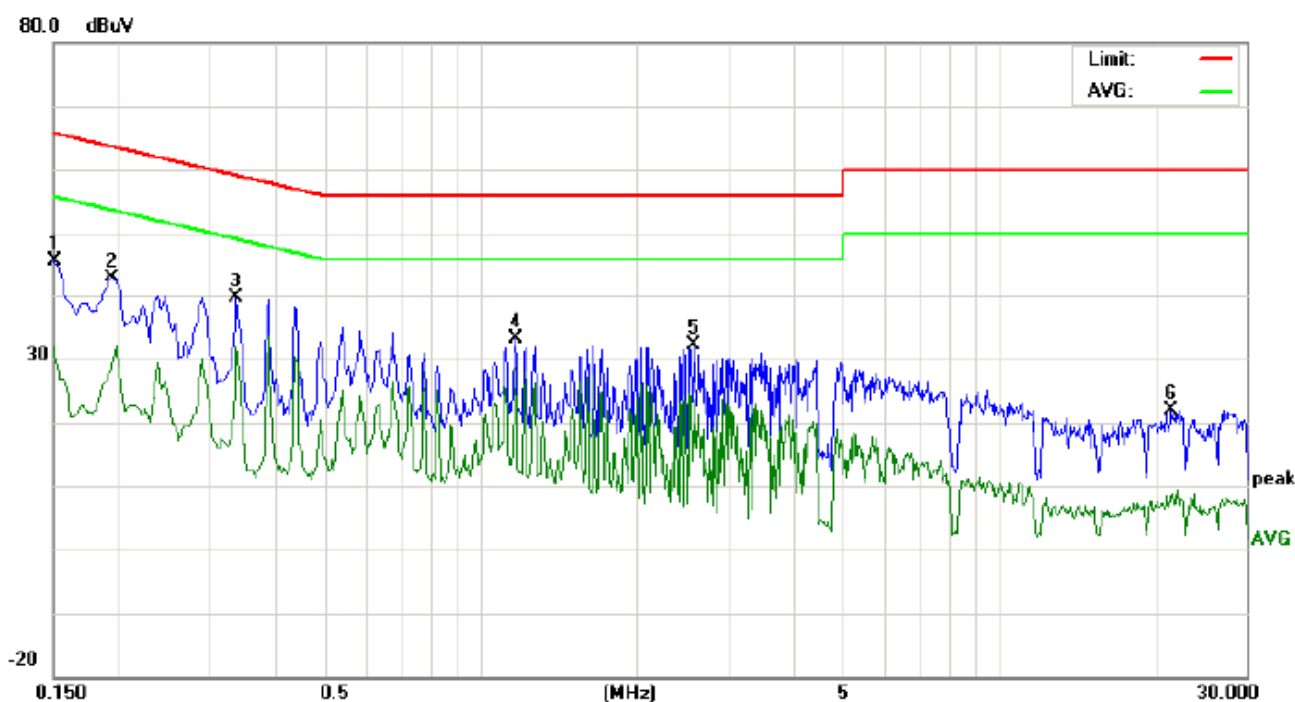
Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

### **13.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST**

1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less -2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
3. The test data of the worst case condition(s) was reported on the Summary Data page.

### 13.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

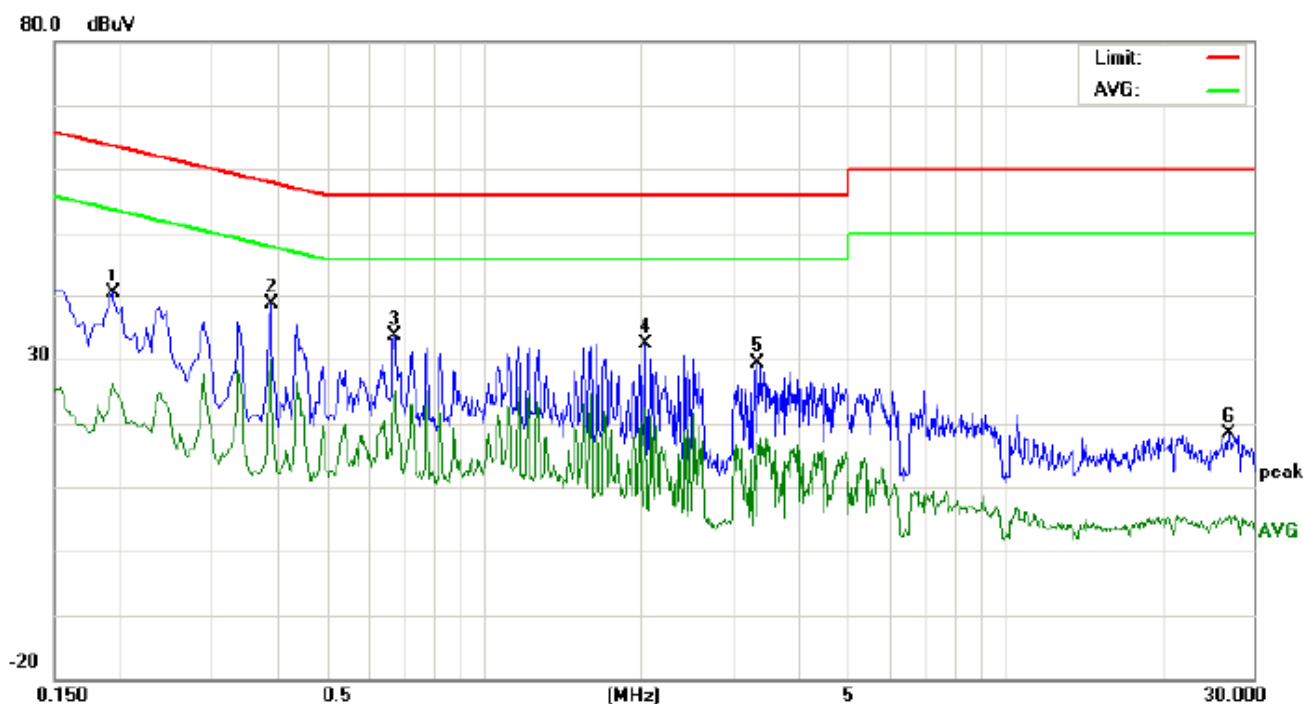
#### LINE CONDUCTED EMISSION TEST LINE 1-L



Site: Conduction Phase: **L1** Temperature: 22.9  
Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 53.2 %  
EUT: mobile phone  
M/N: Nova 3.5  
Mode: Normal Operation(WIFI)  
Note:

| No. | Freq.<br>(MHz) | Reading_Level<br>(dBuV) |    |       | Correct<br>Factor | Measurement<br>(dBuV) |    |       | Limit<br>(dBuV) |       | Margin<br>(dB) |        | P/F | Comment |
|-----|----------------|-------------------------|----|-------|-------------------|-----------------------|----|-------|-----------------|-------|----------------|--------|-----|---------|
|     |                | Peak                    | QP | AVG   |                   | Peak                  | QP | AVG   | QP              | AVG   | QP             | AVG    |     |         |
| 1   | 0.1500         | 35.57                   |    | 21.64 | 10.16             | 45.73                 |    | 31.80 | 65.99           | 55.99 | -20.26         | -24.19 | P   |         |
| 2   | 0.1940         | 32.79                   |    | 18.45 | 10.21             | 43.00                 |    | 28.66 | 63.86           | 53.86 | -20.86         | -25.20 | P   |         |
| 3   | 0.3379         | 29.22                   |    | 21.59 | 10.31             | 39.53                 |    | 31.90 | 59.25           | 49.25 | -19.72         | -17.35 | P   |         |
| 4   | 1.1660         | 22.86                   |    | 18.38 | 10.37             | 33.23                 |    | 28.75 | 56.00           | 46.00 | -22.77         | -17.25 | P   |         |
| 5   | 2.5900         | 21.74                   |    | 13.18 | 10.45             | 32.19                 |    | 23.63 | 56.00           | 46.00 | -23.81         | -22.37 | P   |         |
| 6   | 21.5780        | 11.79                   |    | -1.88 | 10.12             | 21.91                 |    | 8.24  | 60.00           | 50.00 | -38.09         | -41.76 | P   |         |

# Line Conducted Emission Test Line 2-N



Site: Conduction

Phase: **N**

Temperature: 22.9

Limit: FCC Class B Conduction(QP)

Power: AC 120V/60Hz

Humidity: 53.2 %

EUT: mobile phone

M/N: Nova 3.5

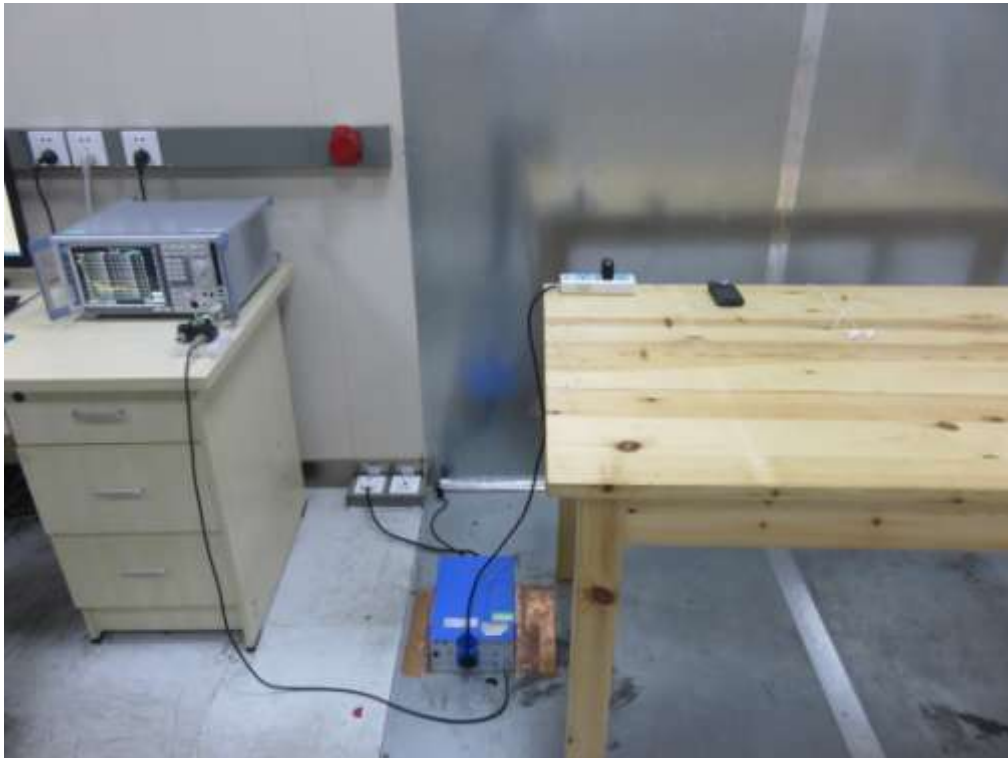
Mode: Normal Operation(WIFI)

Note:

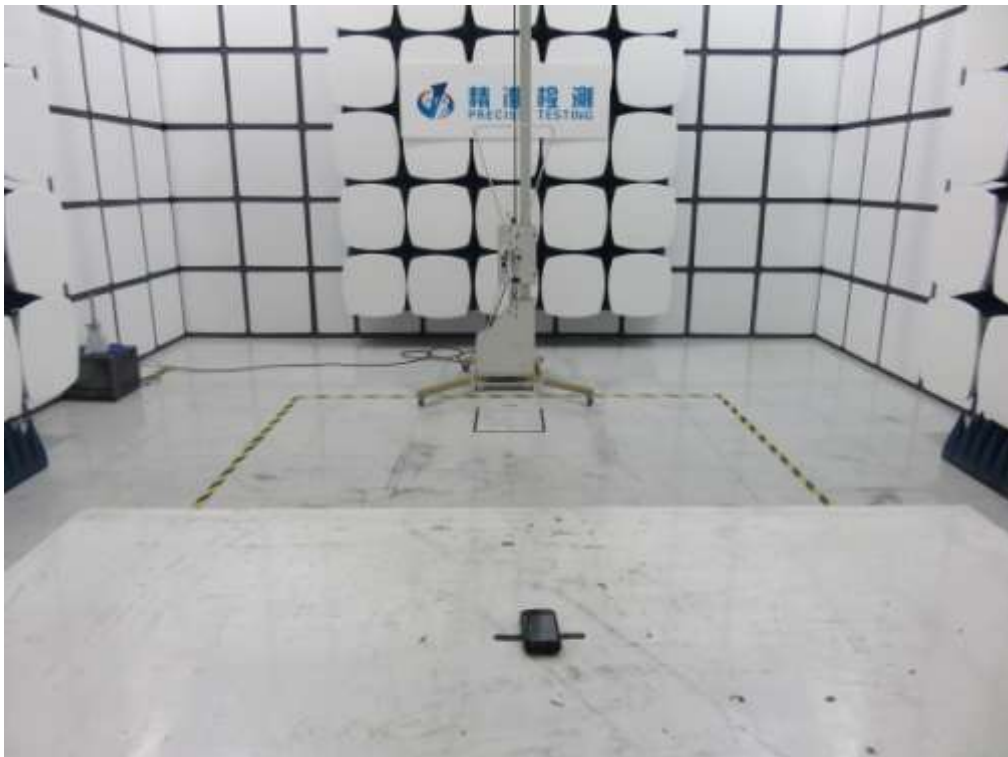
| No. | Freq.<br>(MHz) | Reading_Level<br>(dBuV) |    |       | Correct<br>Factor<br>dB | Measurement<br>(dBuV) |    |       | Limit<br>(dBuV) |       | Margin<br>(dB) |        | P/F | Comment |
|-----|----------------|-------------------------|----|-------|-------------------------|-----------------------|----|-------|-----------------|-------|----------------|--------|-----|---------|
|     |                | Peak                    | QP | AVG   |                         | Peak                  | QP | AVG   | QP              | AVG   | QP             | AVG    |     |         |
| 1   | 0.1940         | 30.14                   |    | 15.92 | 10.21                   | 40.35                 |    | 26.13 | 63.86           | 53.86 | -23.51         | -27.73 | P   |         |
| 2   | 0.3899         | 28.22                   |    | 19.78 | 10.33                   | 38.55                 |    | 30.11 | 58.06           | 48.06 | -19.51         | -17.95 | P   |         |
| 3   | 0.6740         | 23.18                   |    | 13.20 | 10.34                   | 33.52                 |    | 23.54 | 56.00           | 46.00 | -22.48         | -22.46 | P   |         |
| 4   | 2.0420         | 22.12                   |    | 11.24 | 10.24                   | 32.36                 |    | 21.48 | 56.00           | 46.00 | -23.64         | -24.52 | P   |         |
| 5   | 3.3620         | 18.73                   |    | 6.28  | 10.52                   | 29.25                 |    | 16.80 | 56.00           | 46.00 | -26.75         | -29.20 | P   |         |
| 6   | 26.8580        | 8.26                    |    | -4.47 | 10.12                   | 18.38                 |    | 5.65  | 60.00           | 50.00 | -41.62         | -44.35 | P   |         |

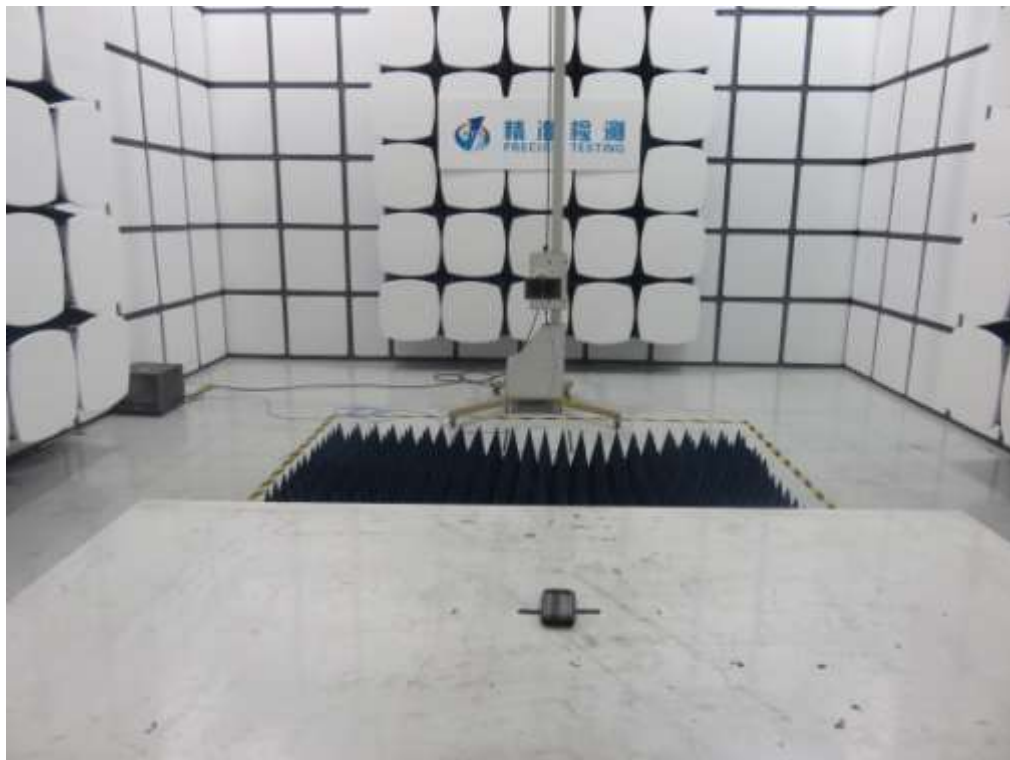
## APPENDIX A: PHOTOGRAPHS OF TEST SETUP

### FCC LINE CONDUCTED EMISSION TEST SETUP



### FCC RADIATED EMISSION TEST SETUP





## APPENDIX B: PHOTOGRAPHS OF EUT

TOTAL VIEW OF EUT



TOP VIEW OF EUT



BOTTOM VIEW OF EUT



FRONT VIEW OF EUT



BACK VIEW OF EUT



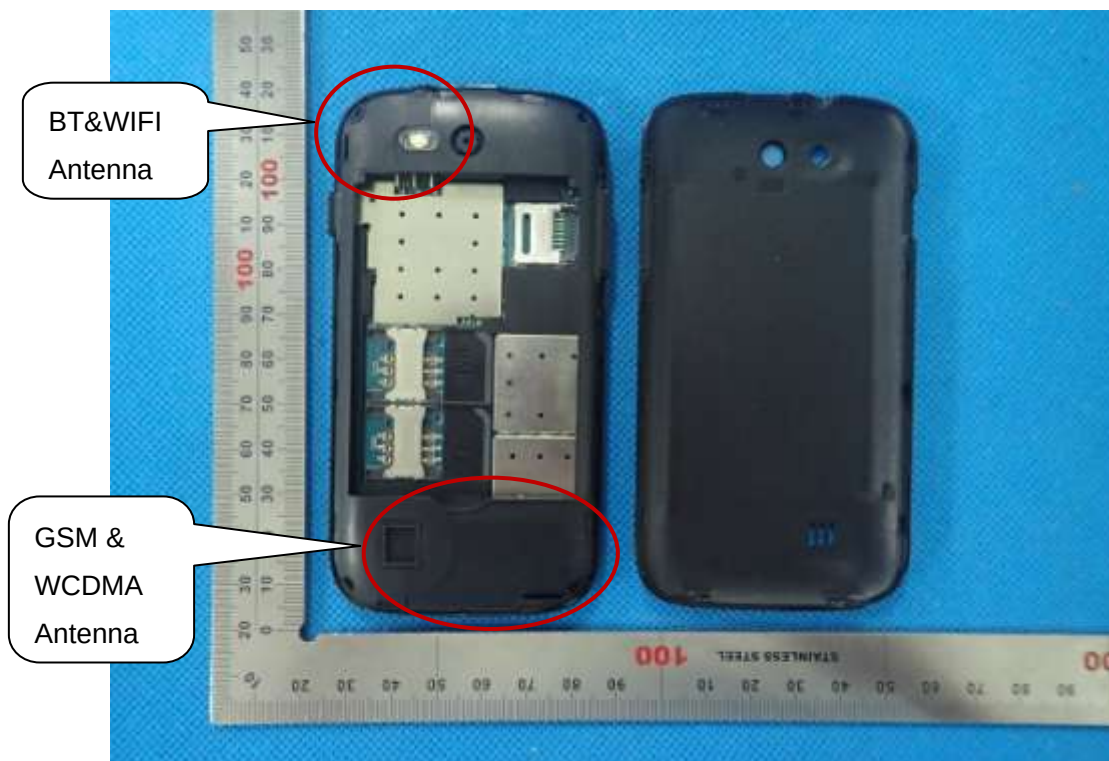
LEFT VIEW OF EUT



RIGHT VIEW OF EUT



OPEN VIEW OF EUT-1



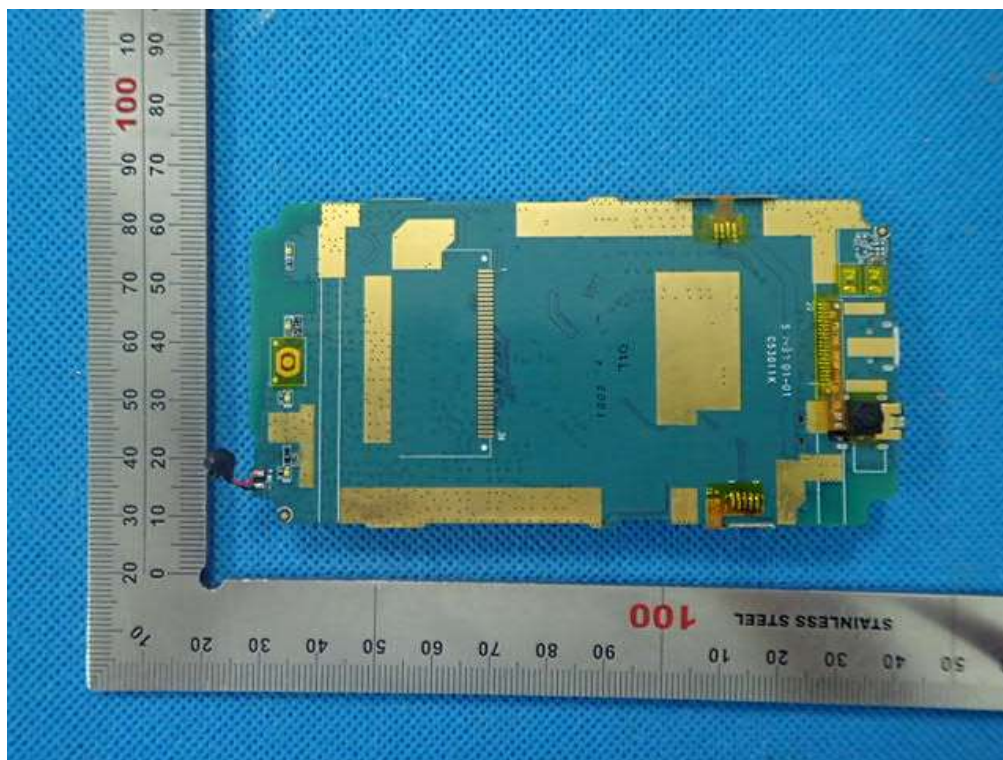
OPEN VIEW OF EUT-2



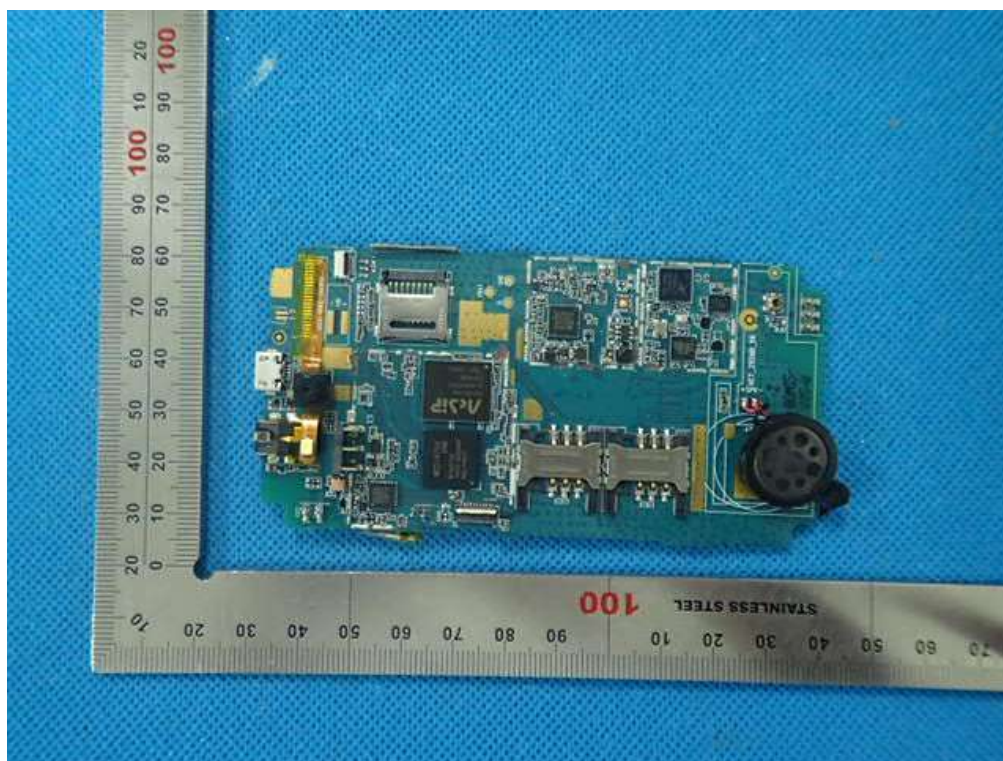
OPEN VIEW OF EUT-3



INTERNAL VIEW OF EUT-1



INTERNAL VIEW OF EUT-2



-----END OF REPORT-----