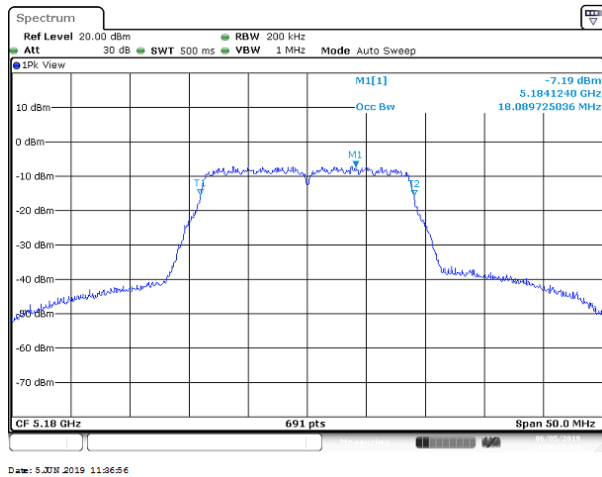
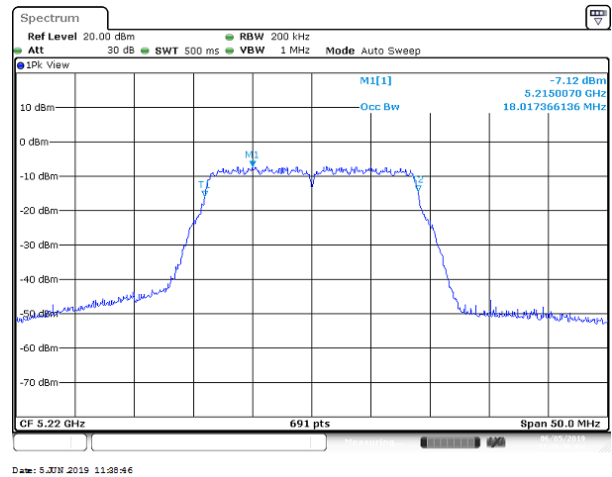


### UNII-1 IEEE 802.11n HT20 mode-chain 0

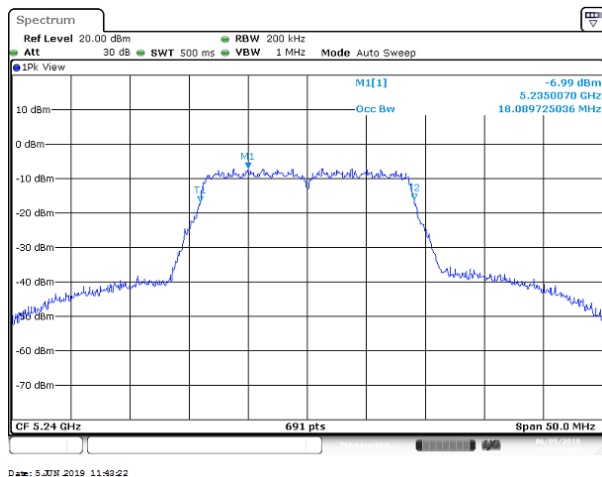
#### Low CH

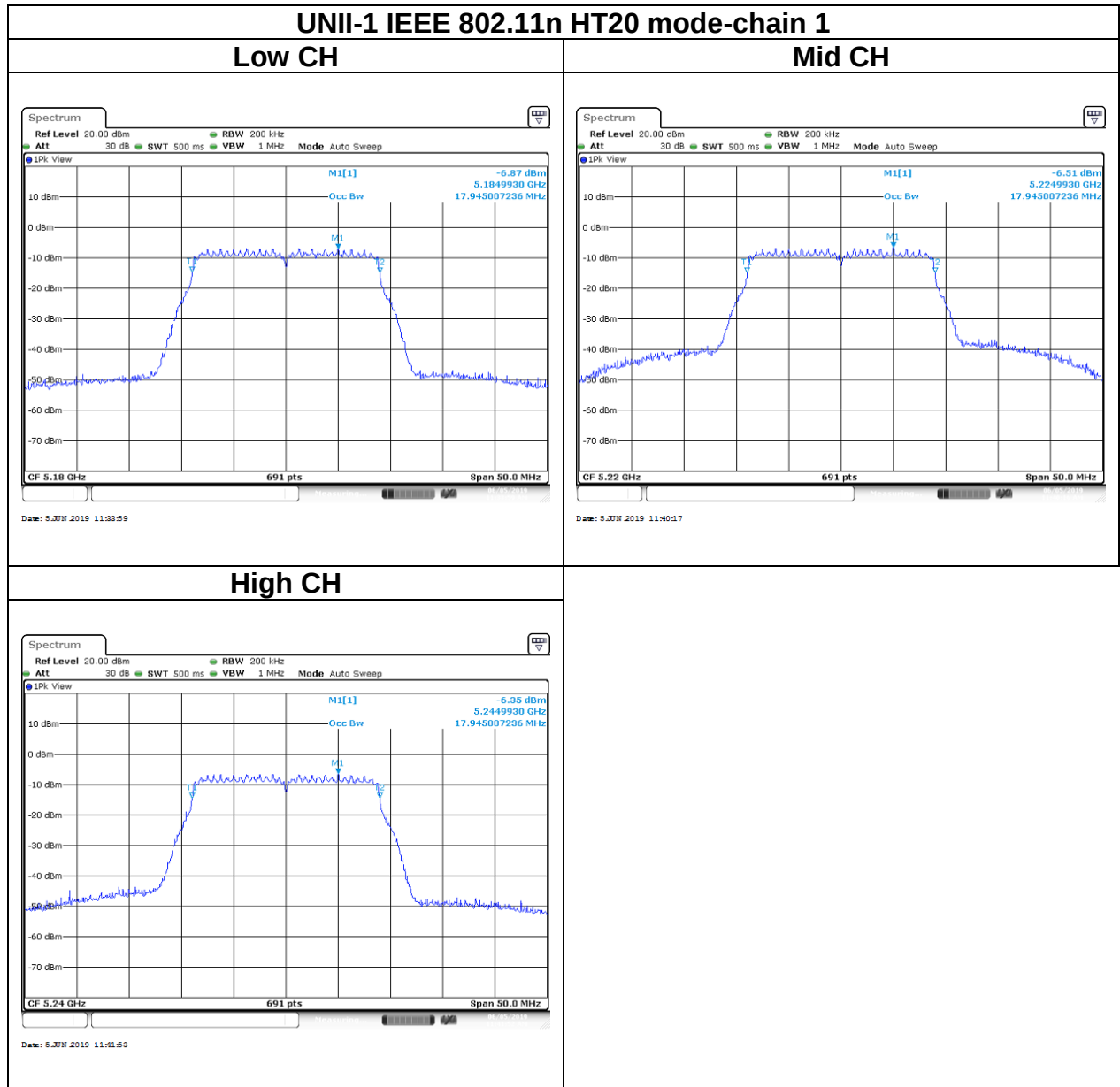


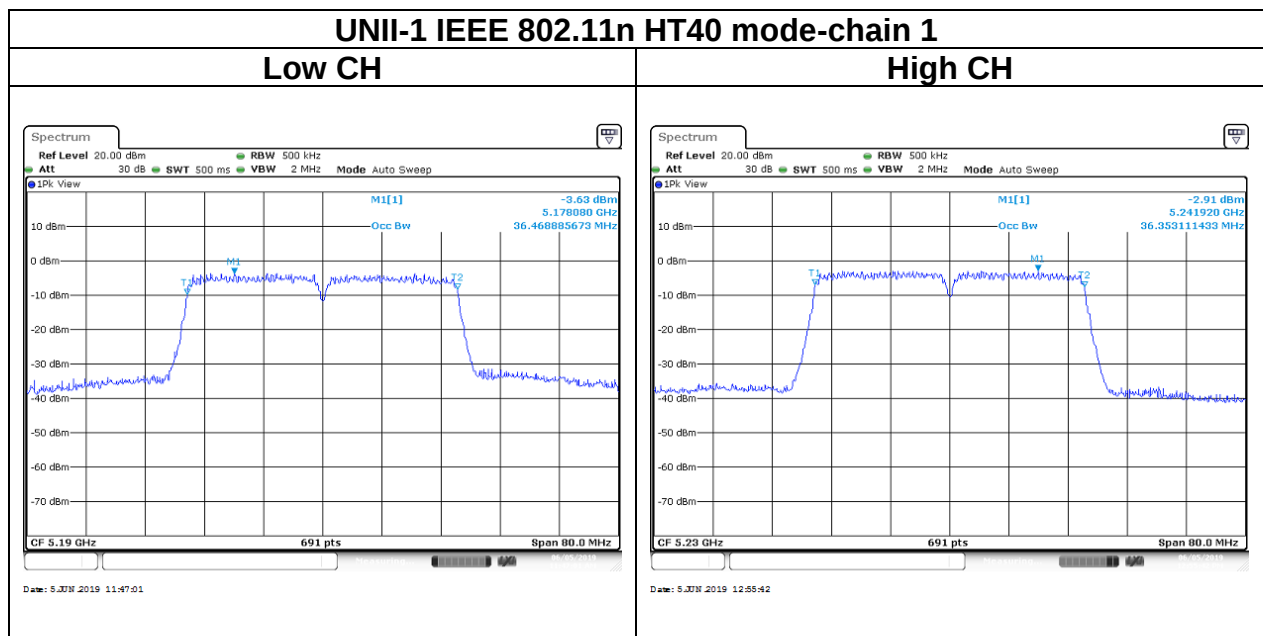
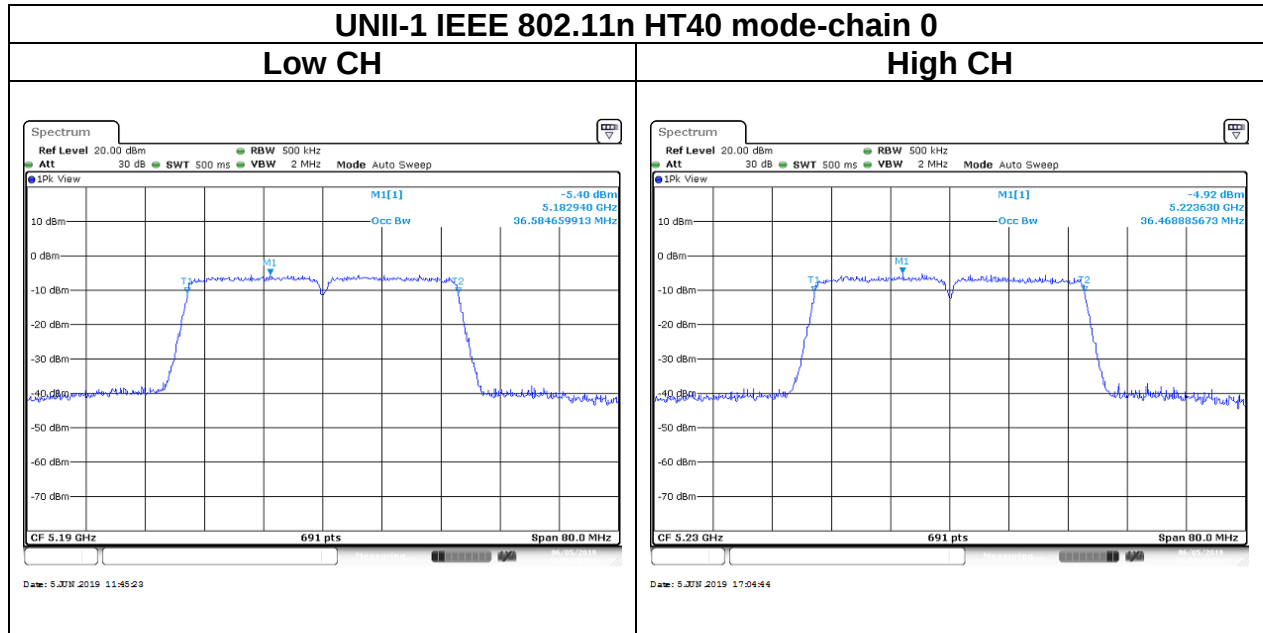
#### Mid CH

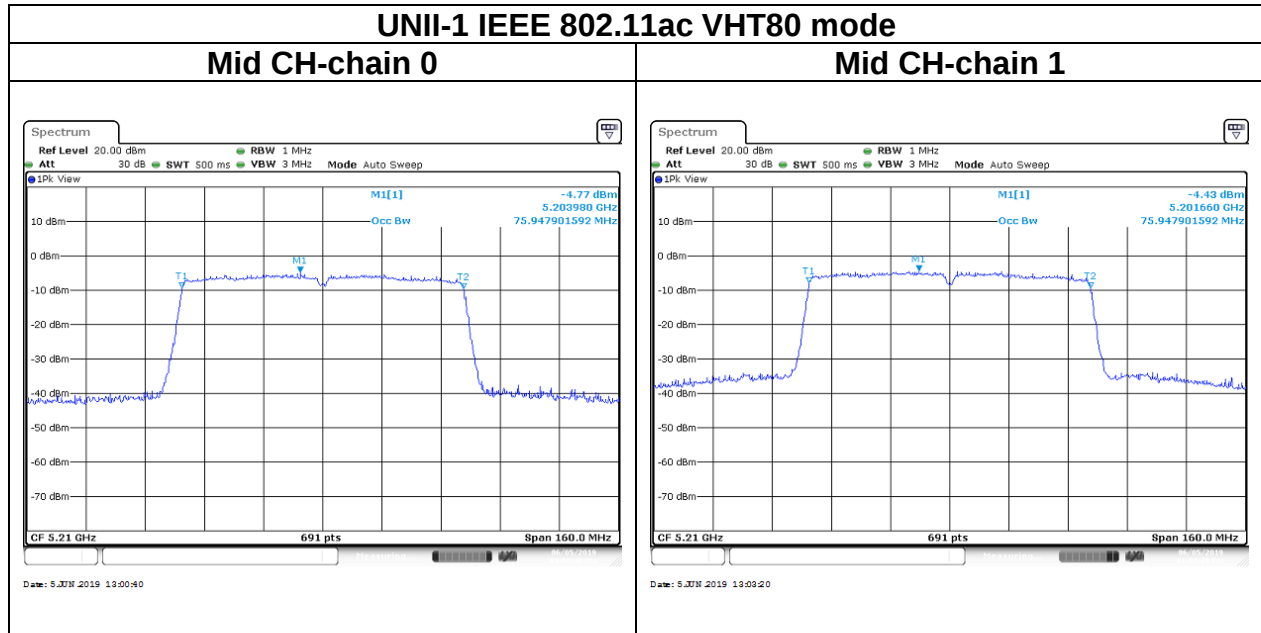


#### High CH



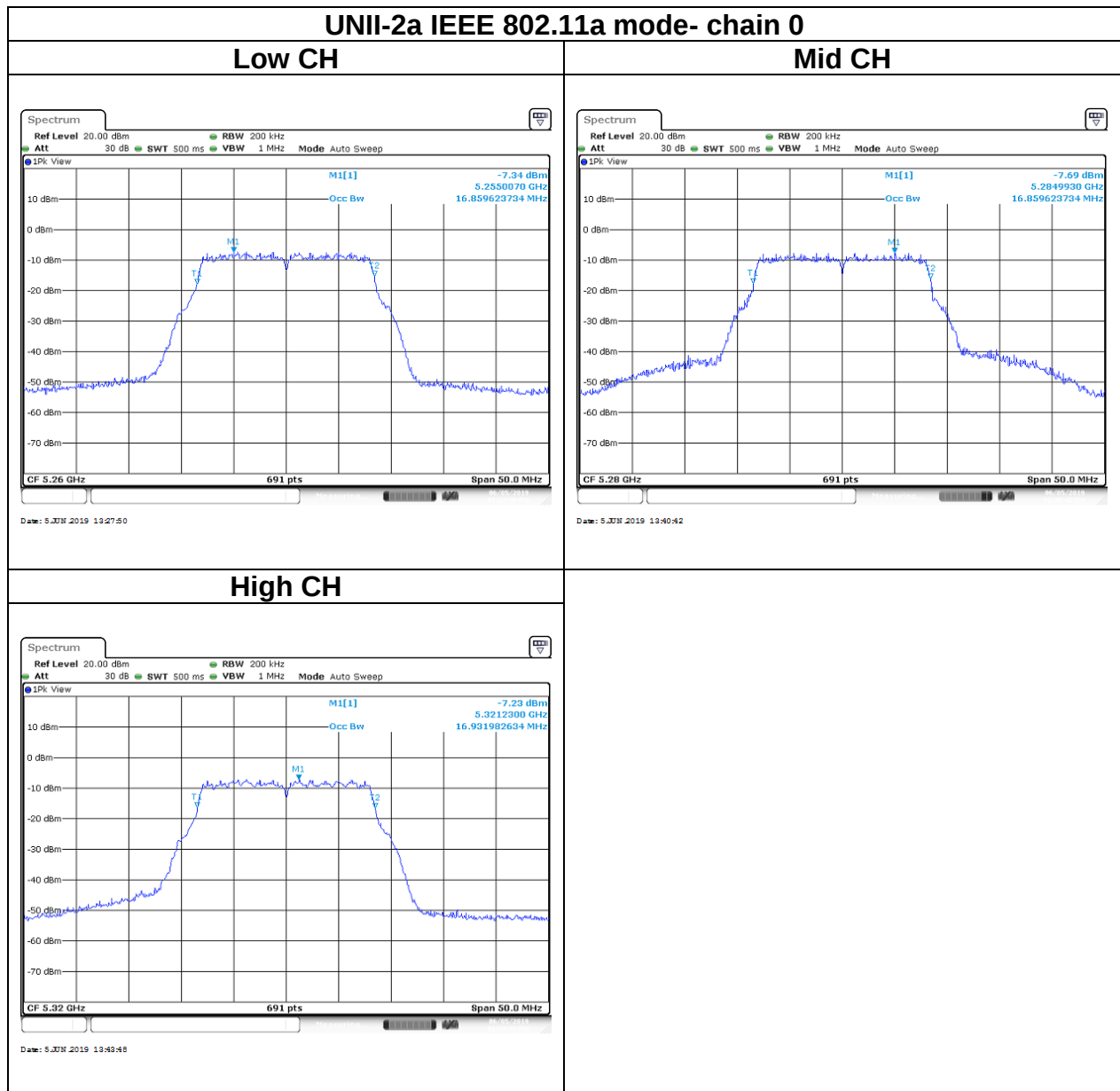


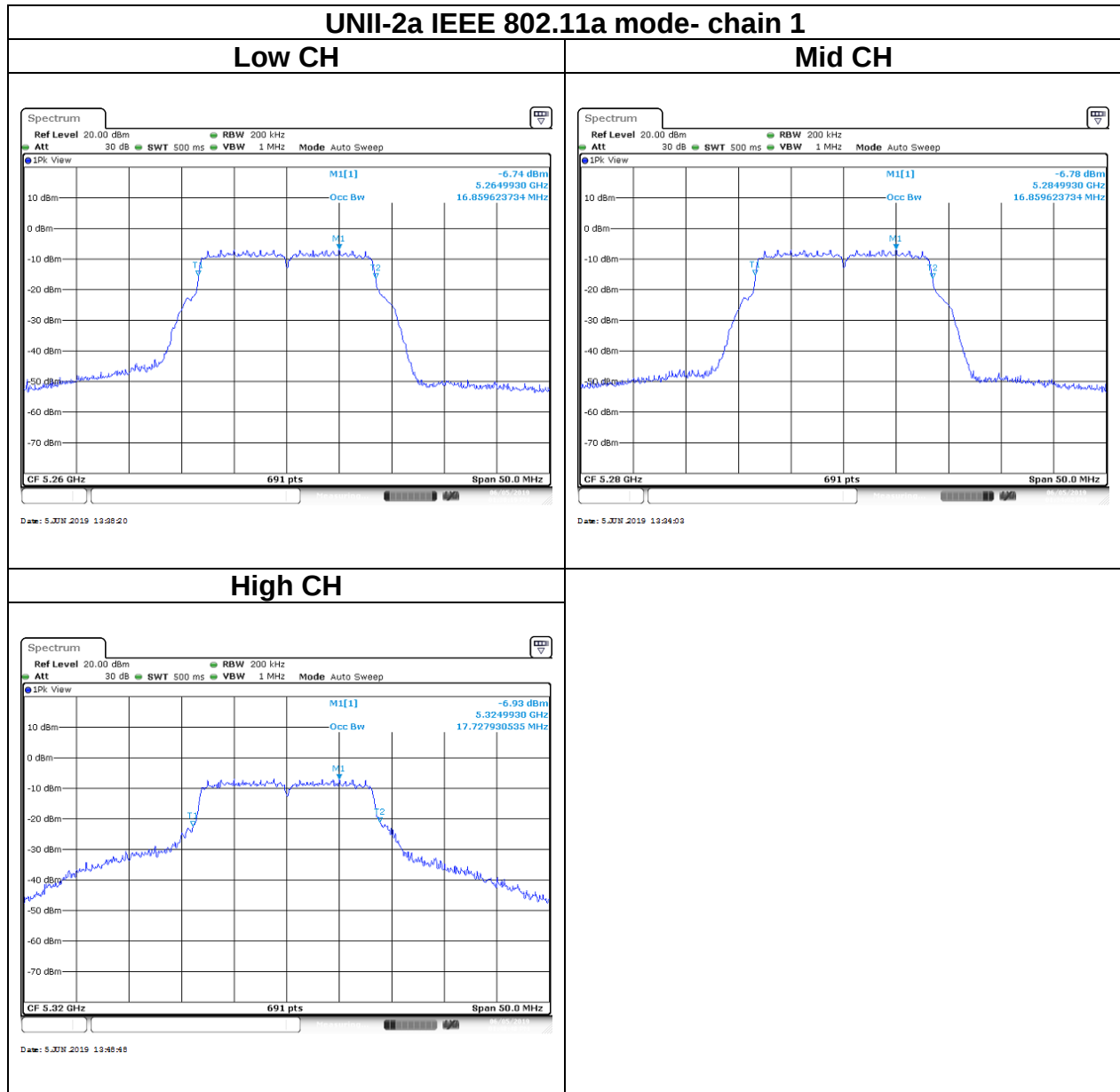




## Test Data

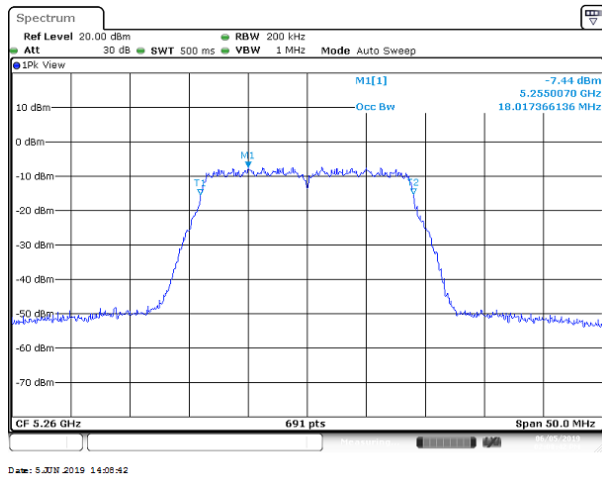
### BANDWIDTH 99%



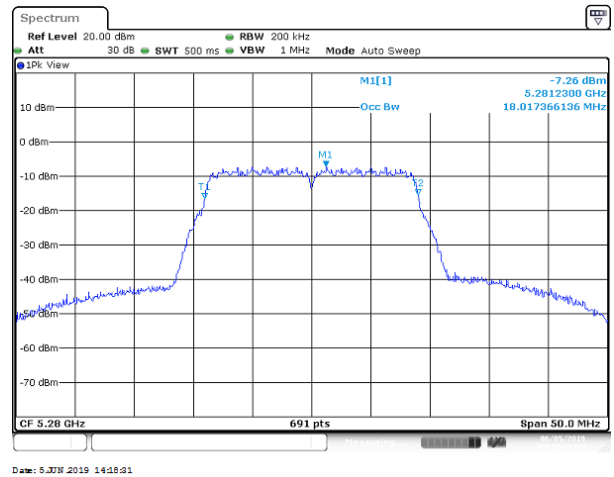


## UNII-2a IEEE 802.11n HT20 mode- chain 0

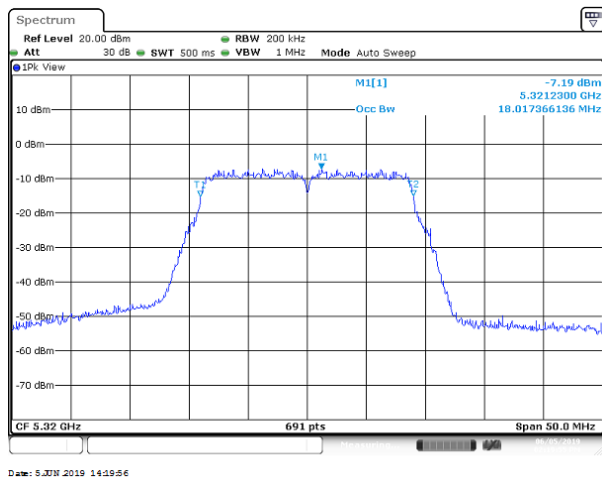
### Low CH

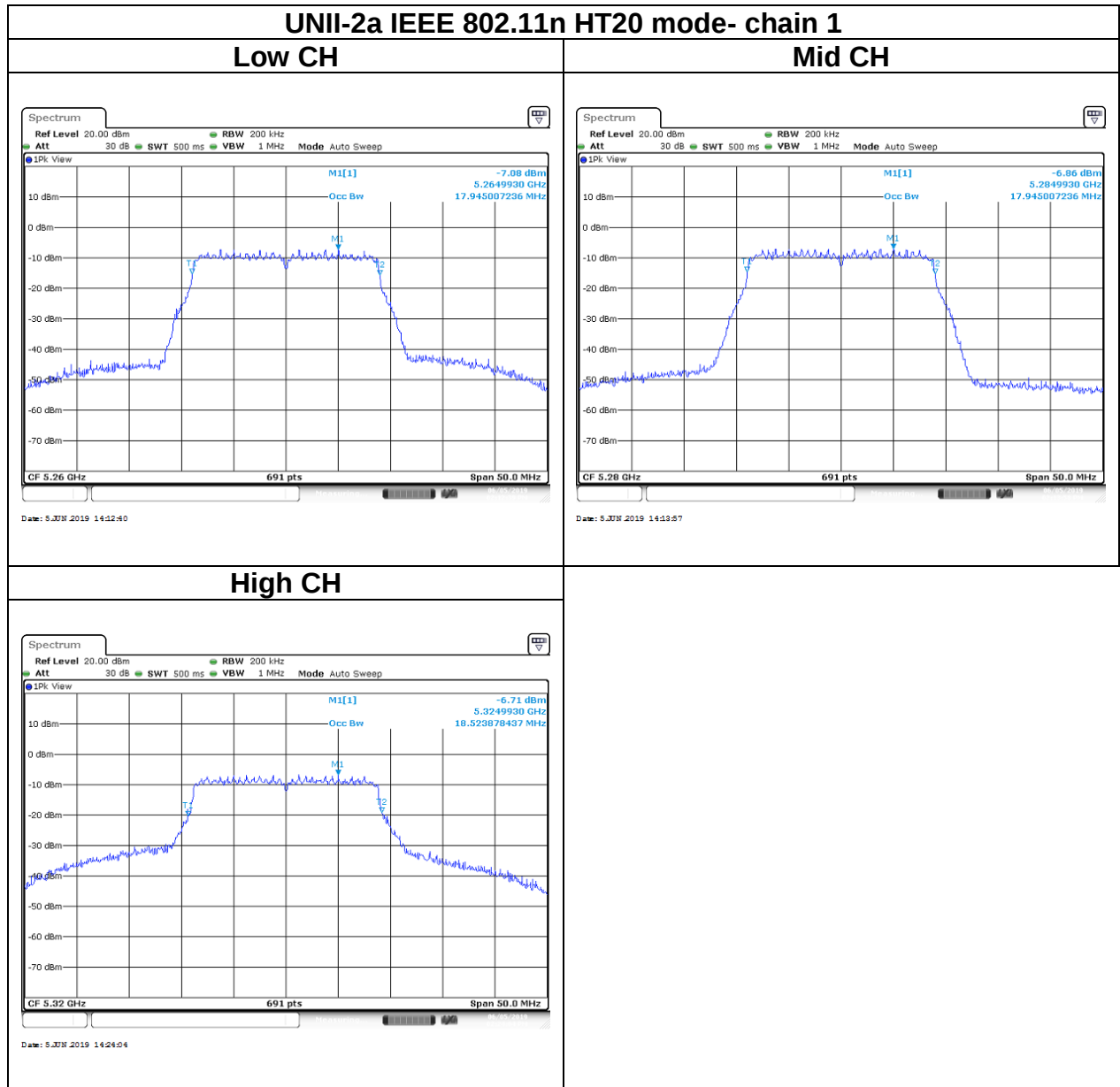


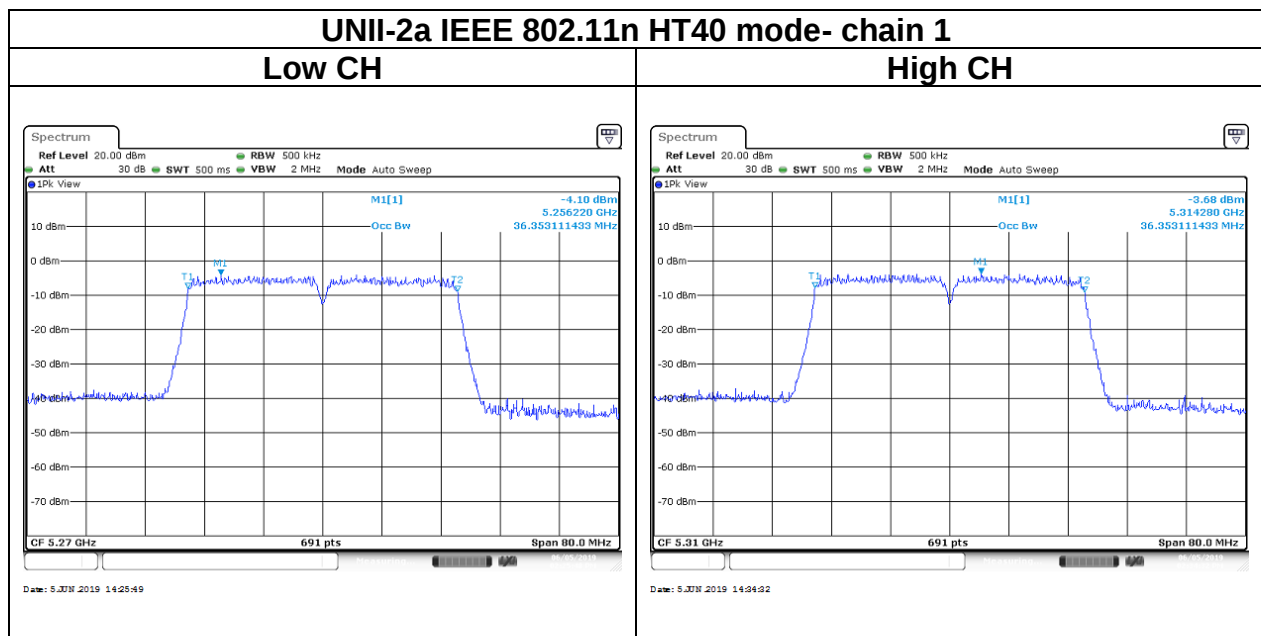
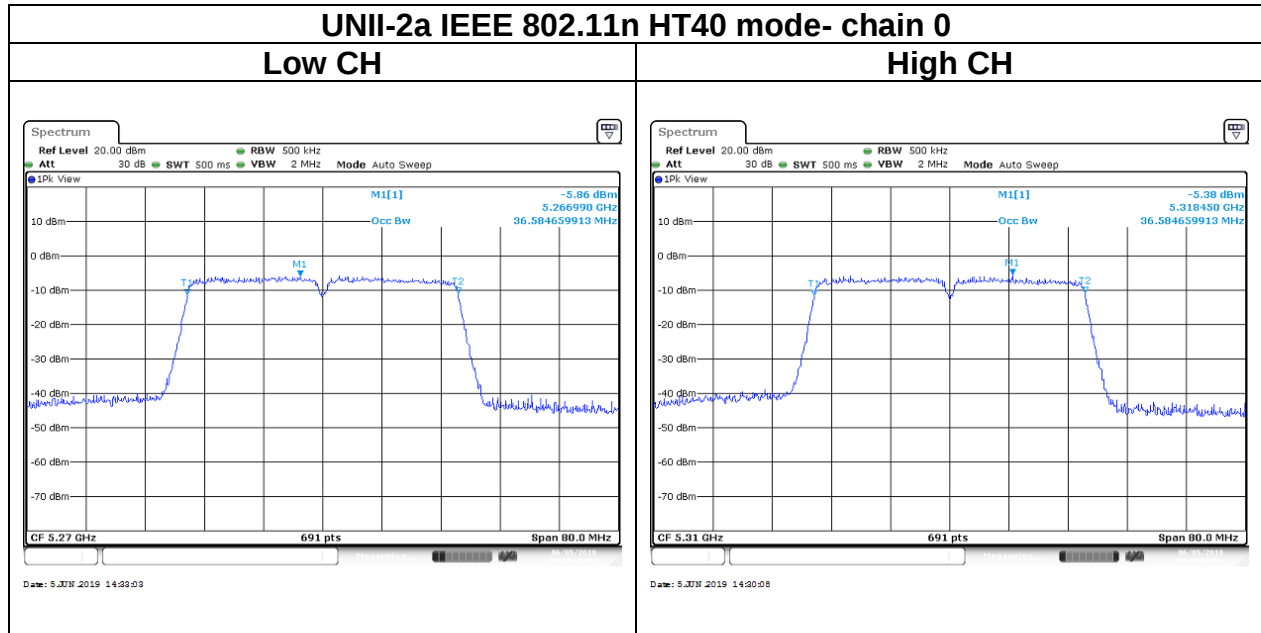
### Mid CH



### High CH



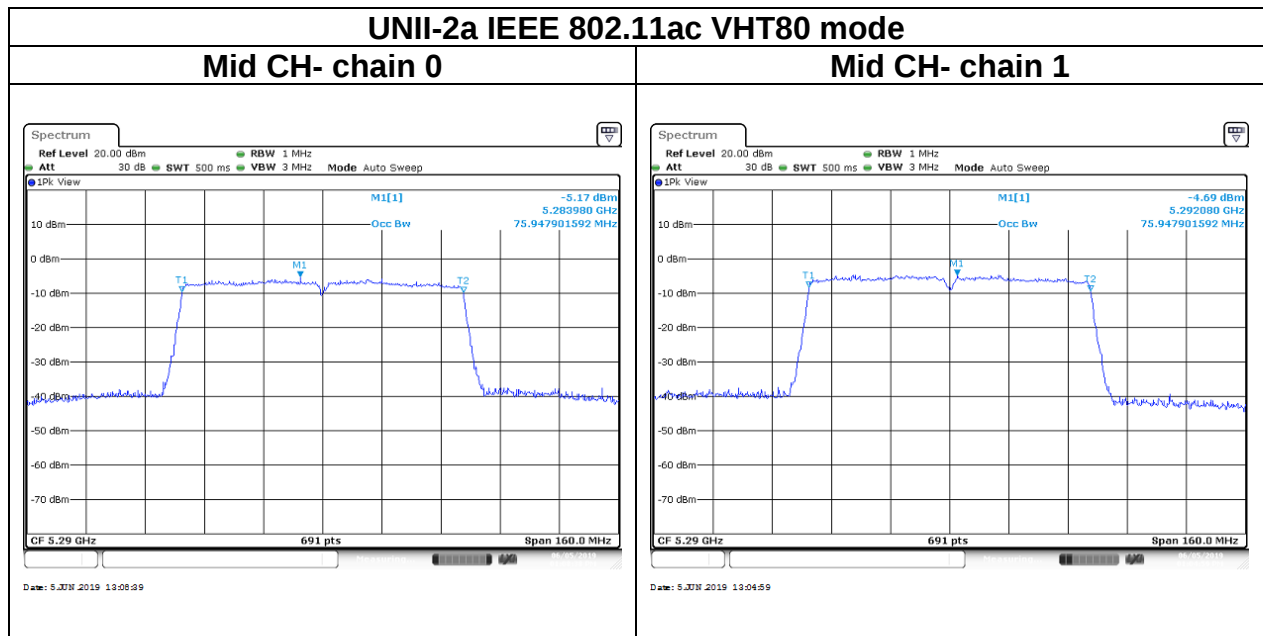






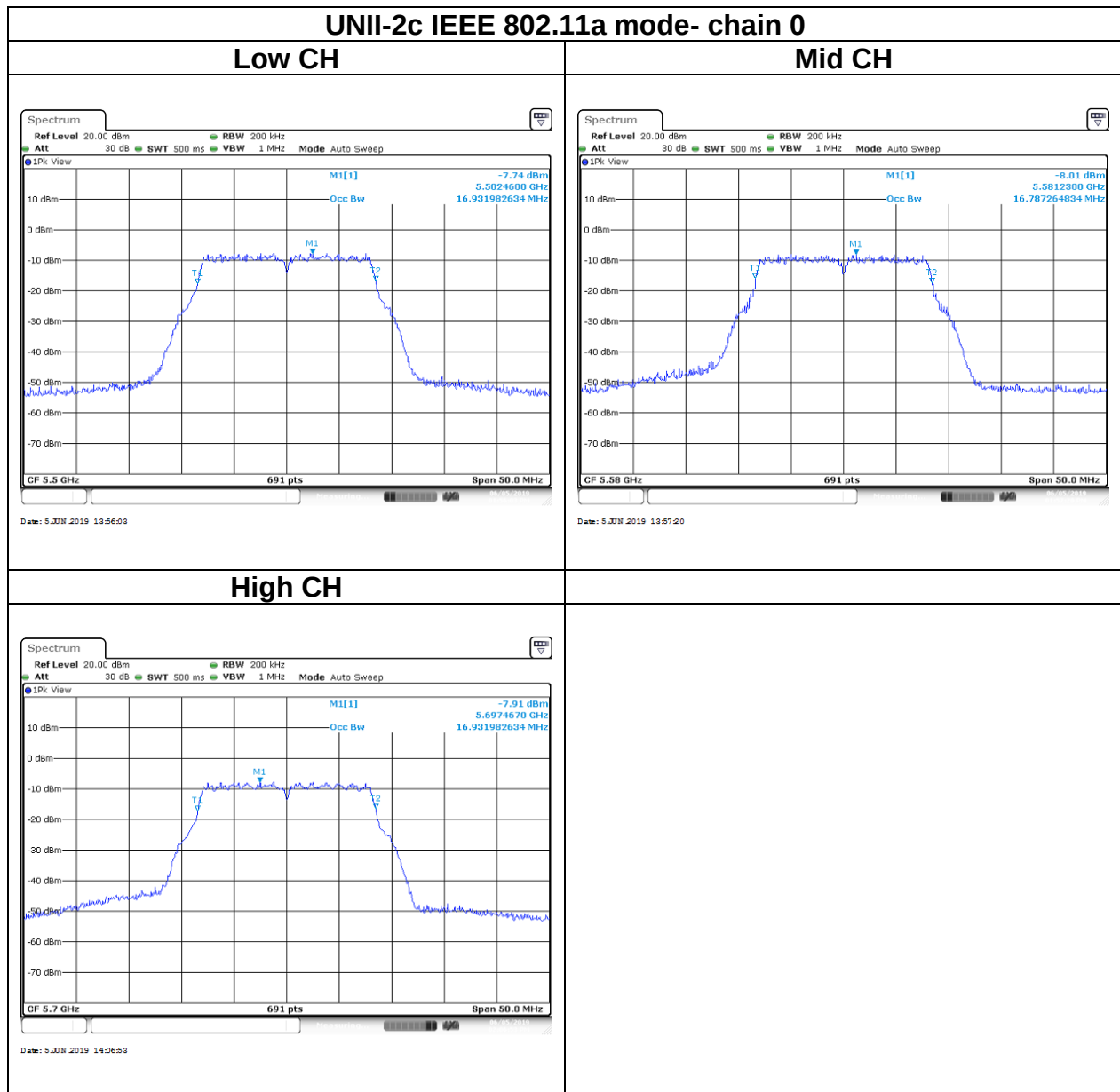
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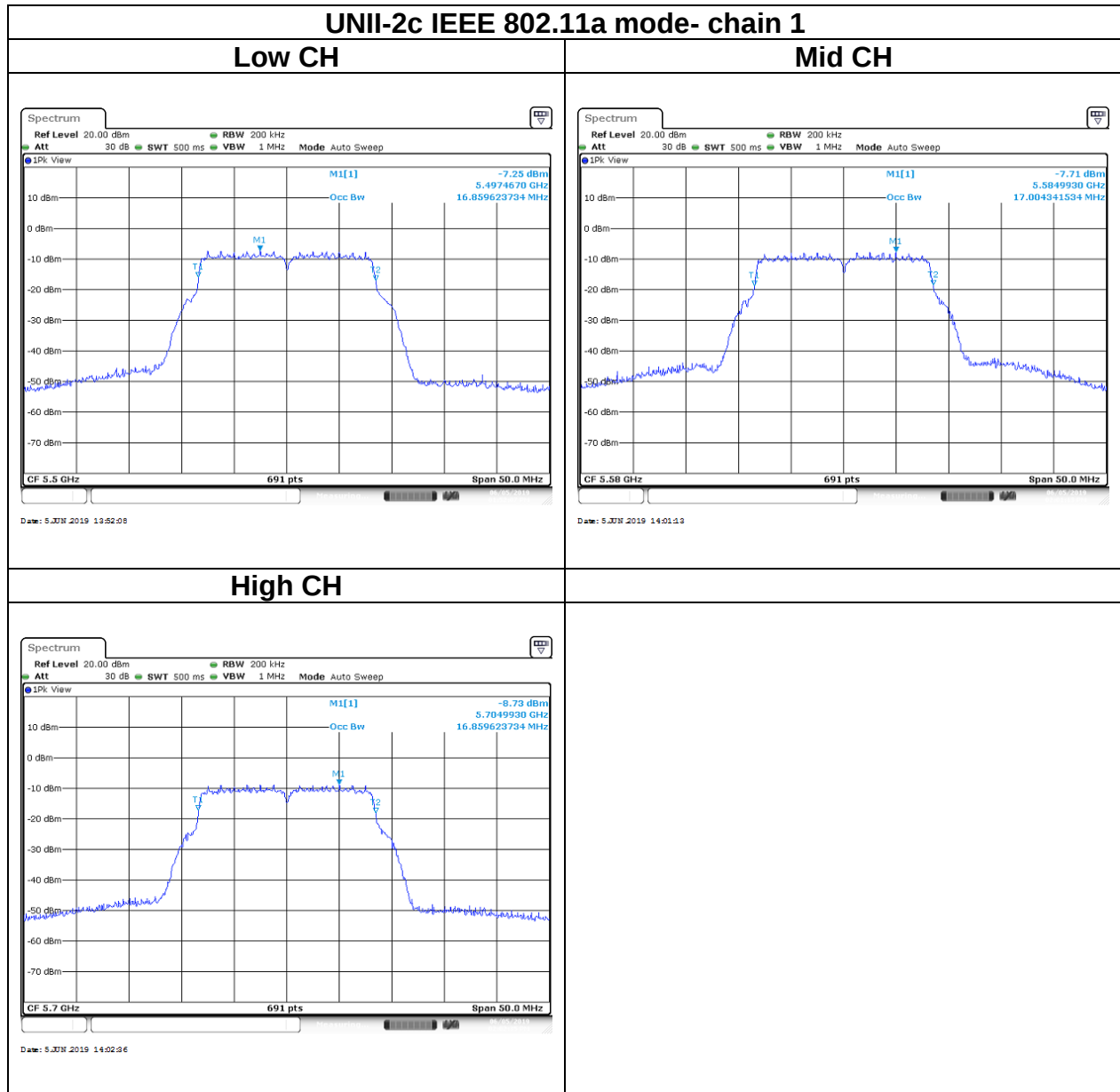
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## Test Data

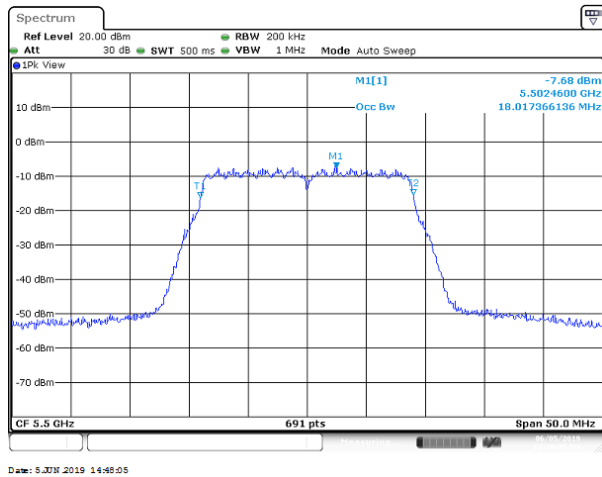
### BANDWIDTH 99%



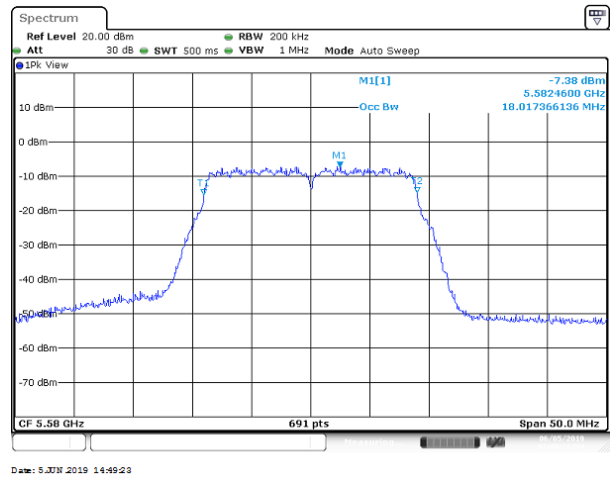


## UNII-2c IEEE 802.11n HT20 mode- chain 0

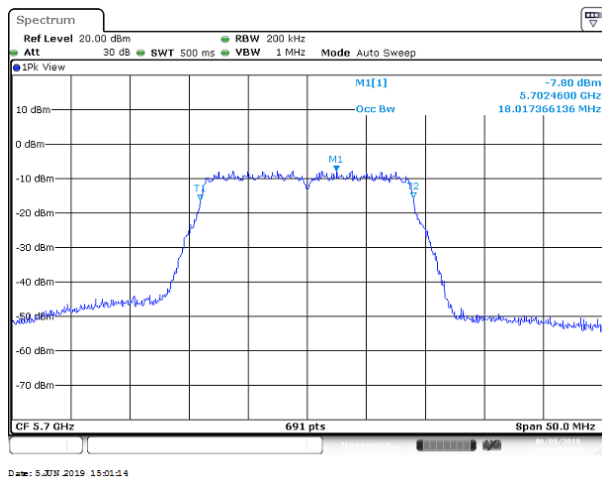
### Low CH



### Mid CH



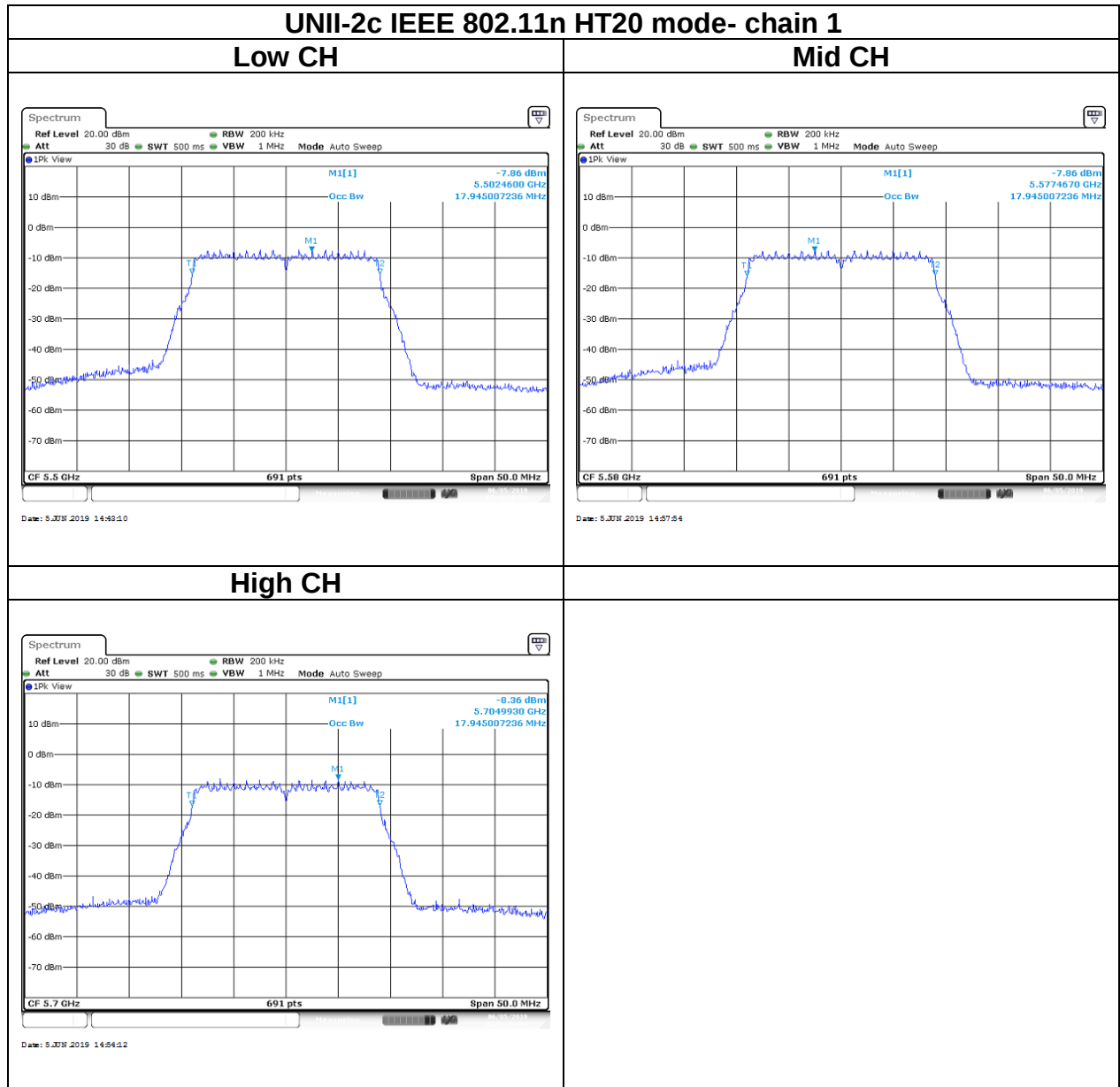
### High CH

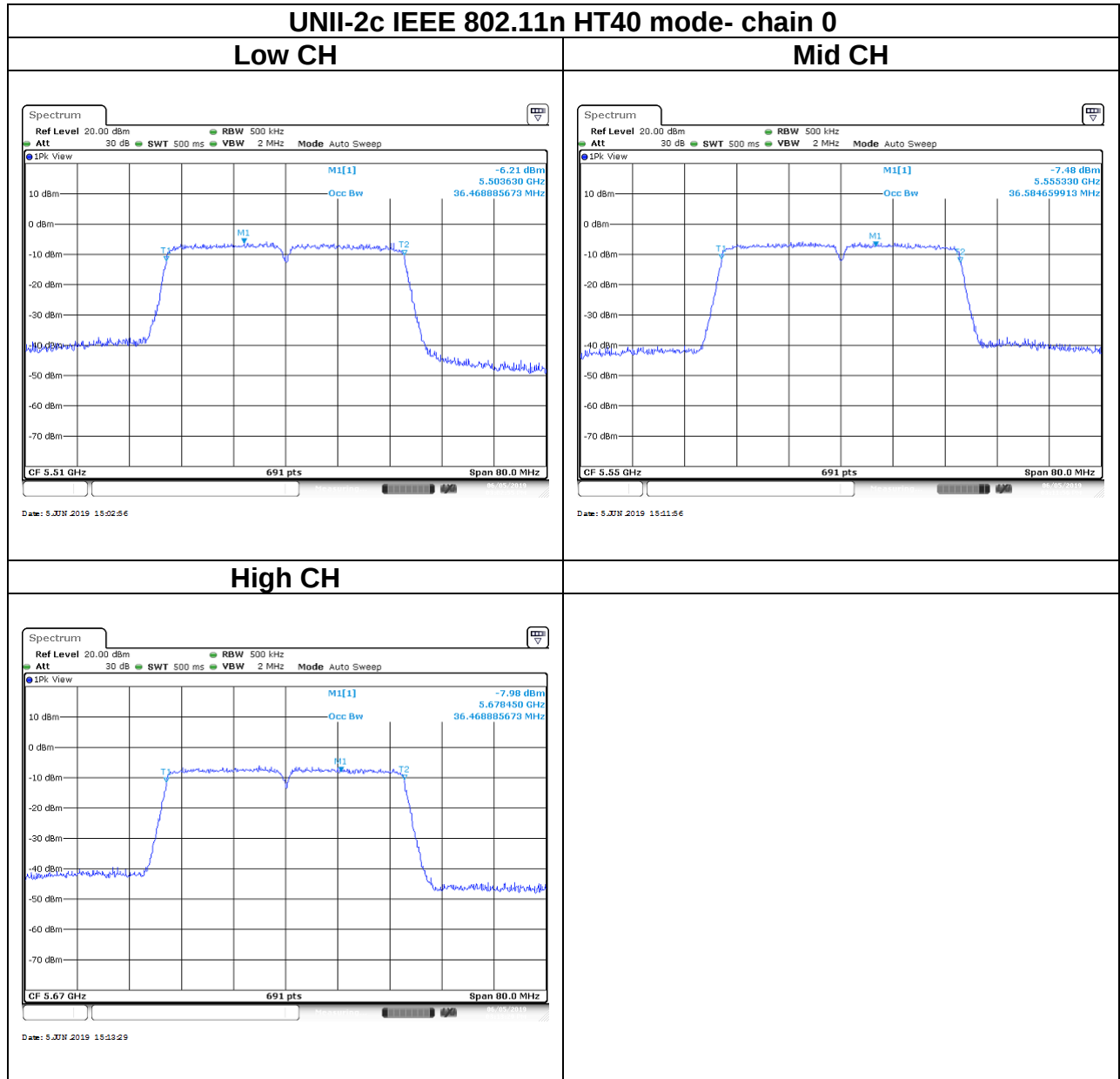


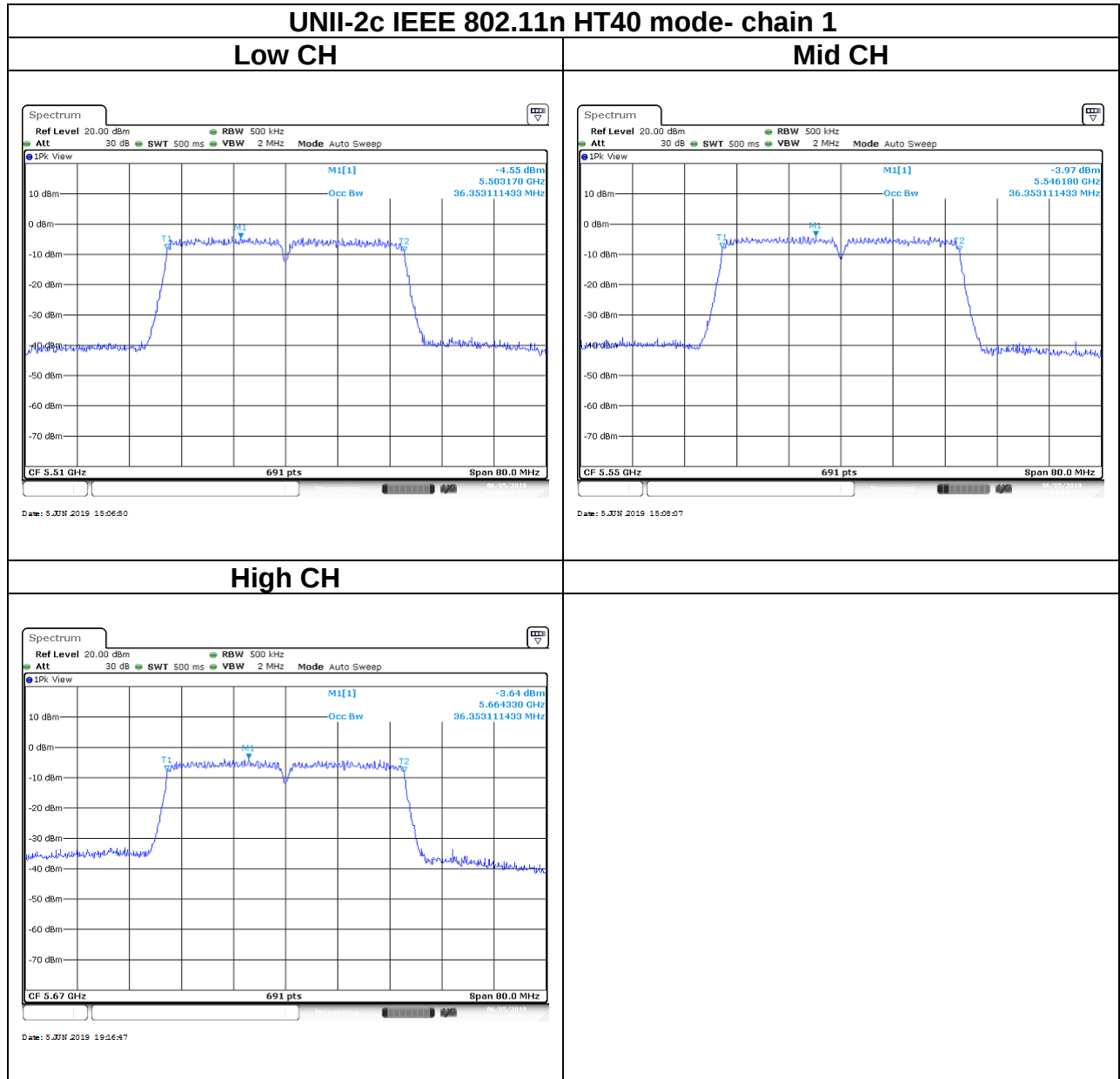


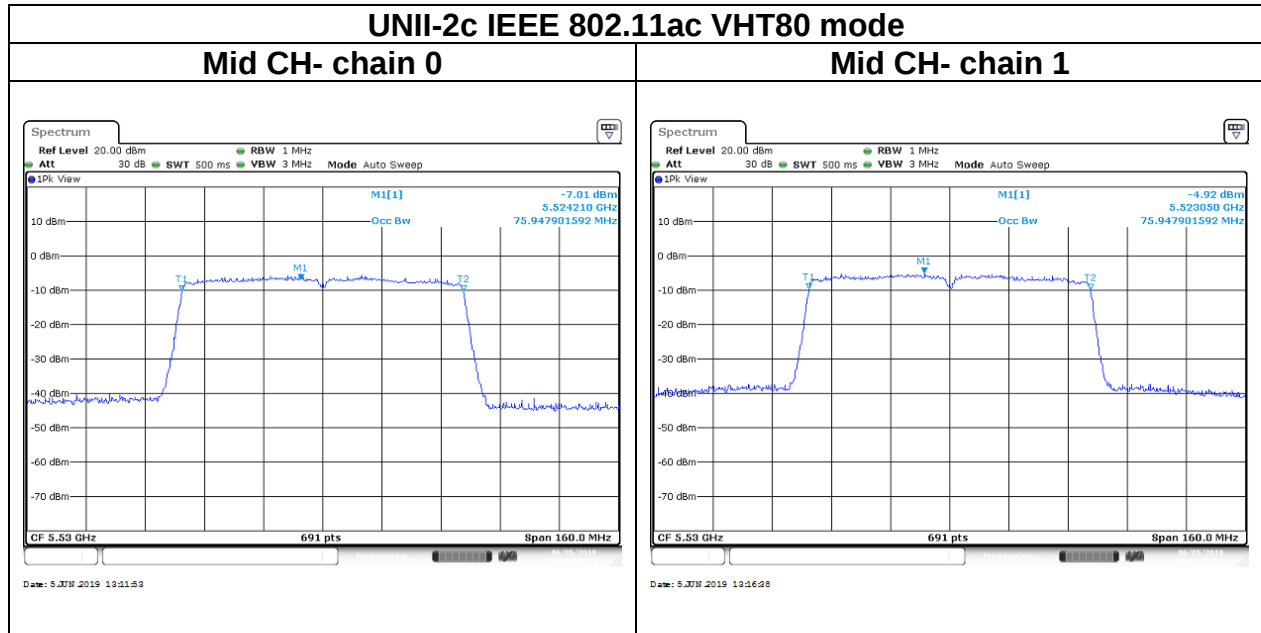
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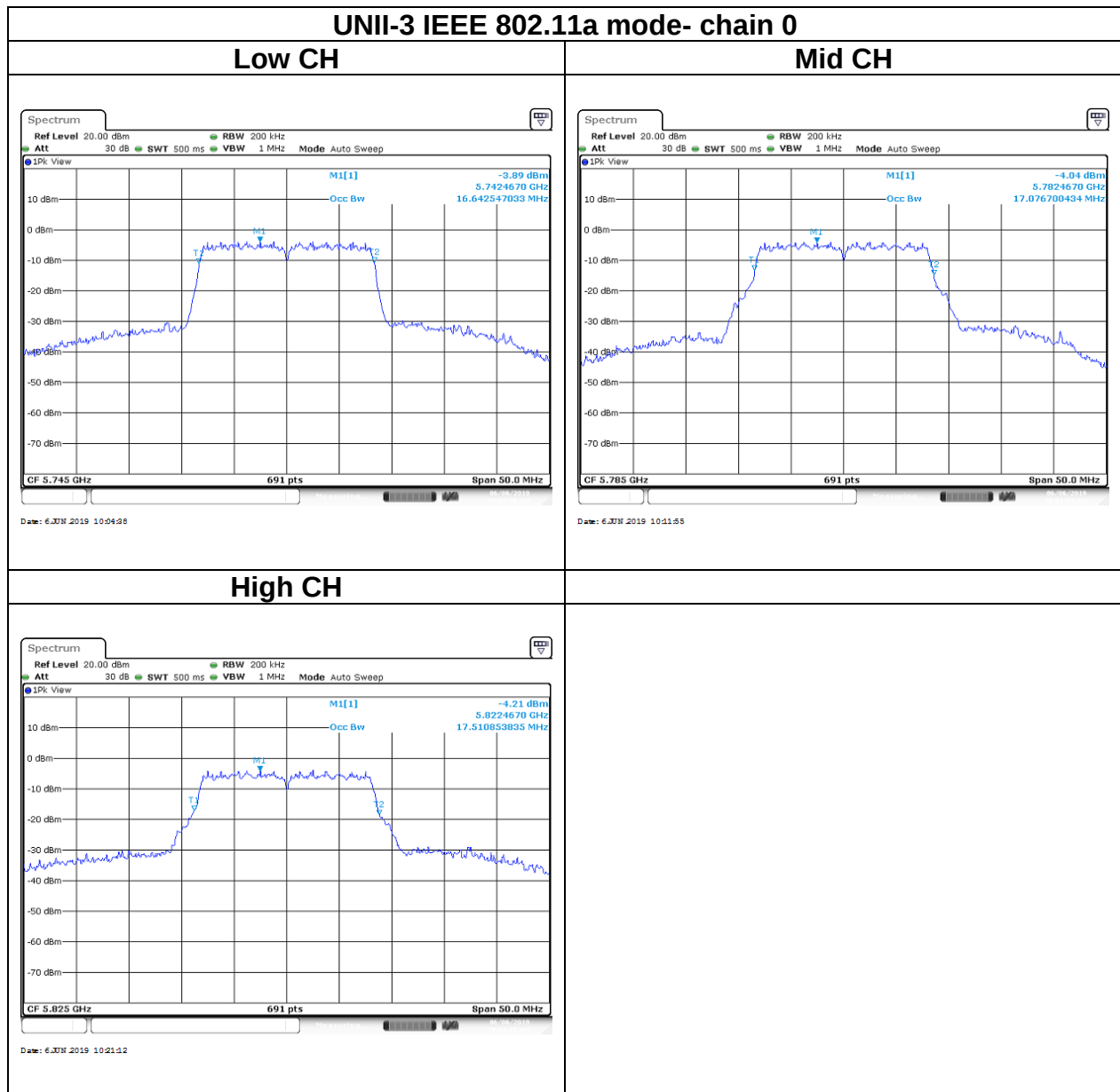






## Test Data

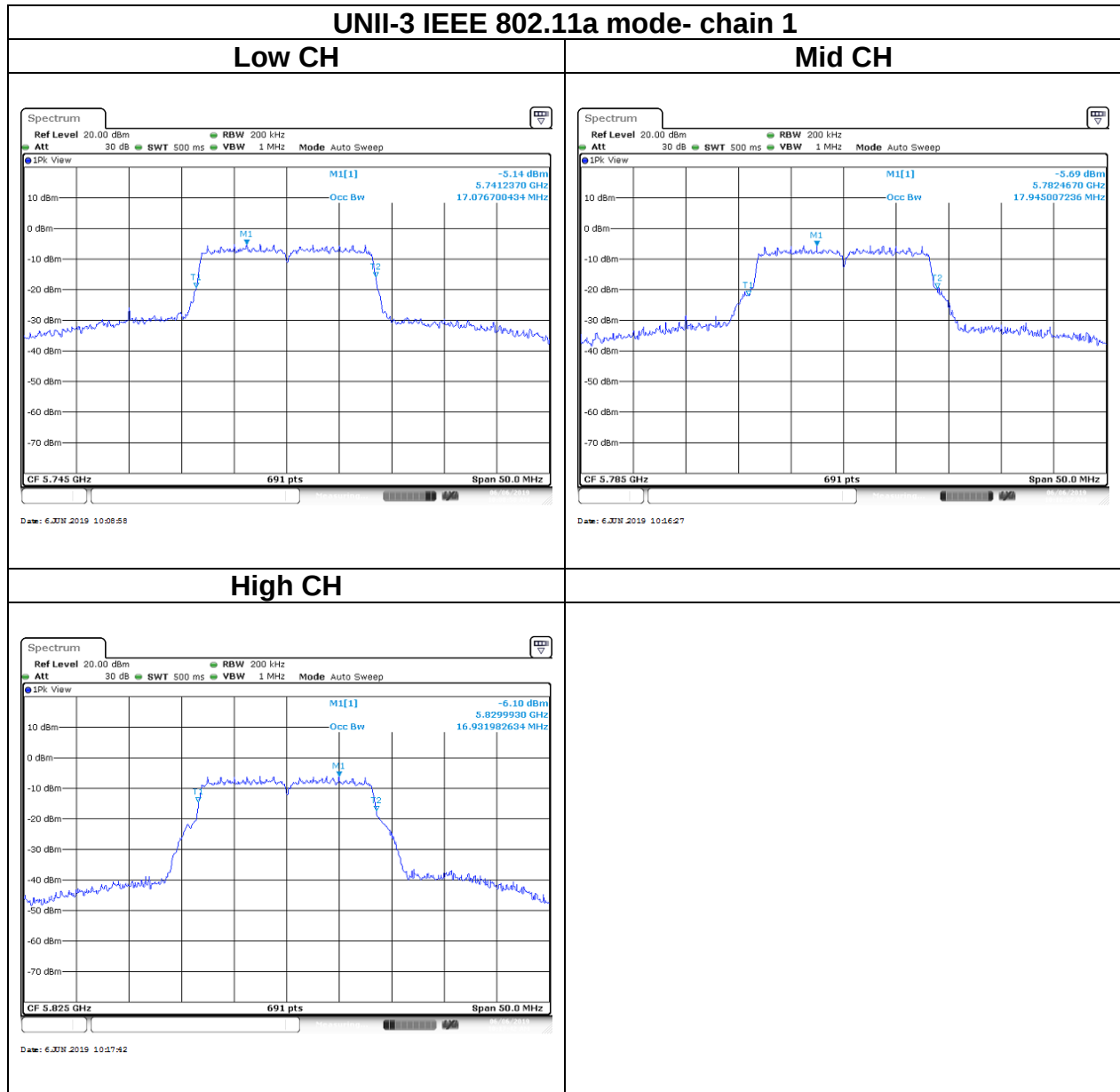
### BANDWIDTH 99%





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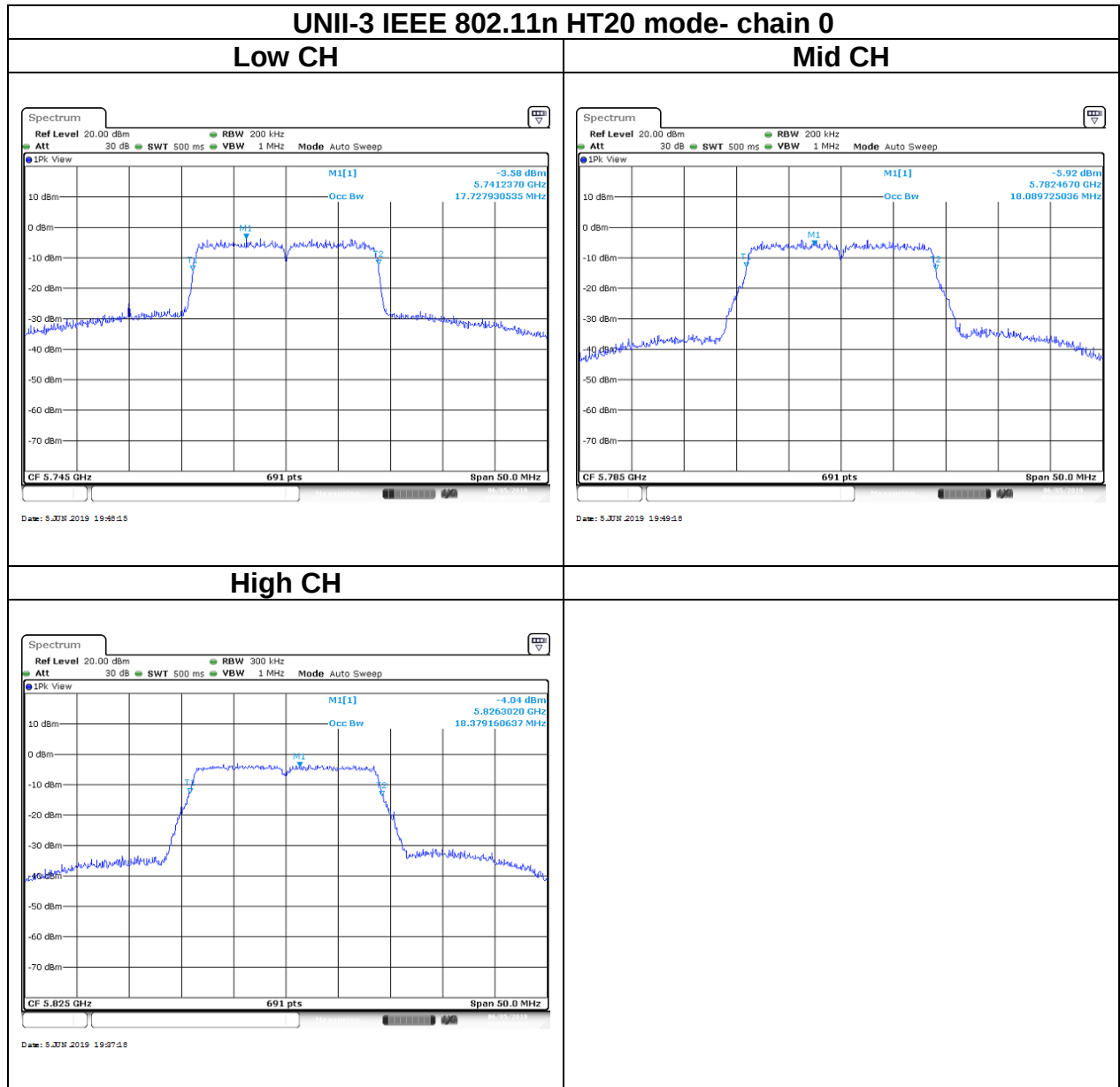
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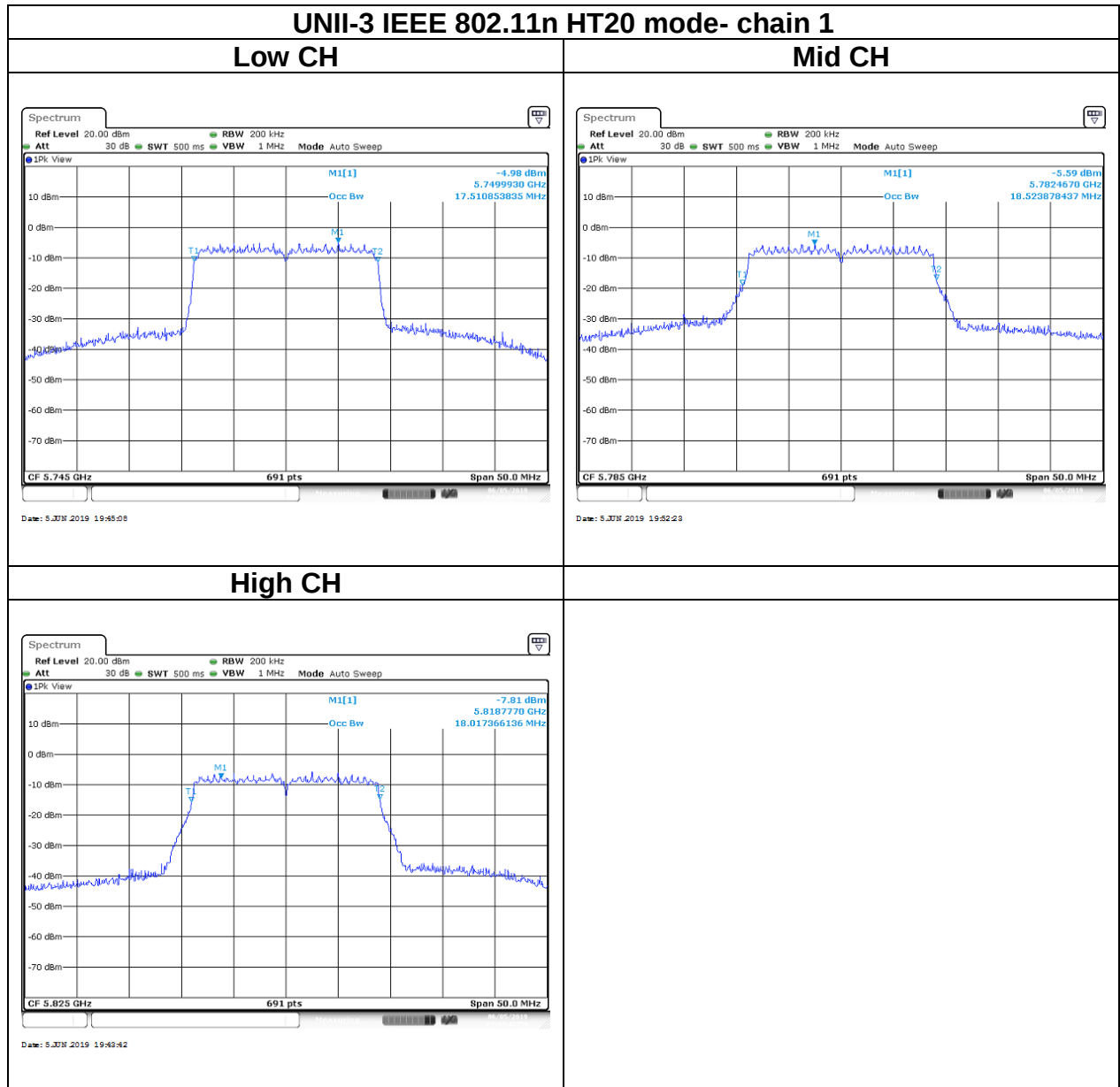


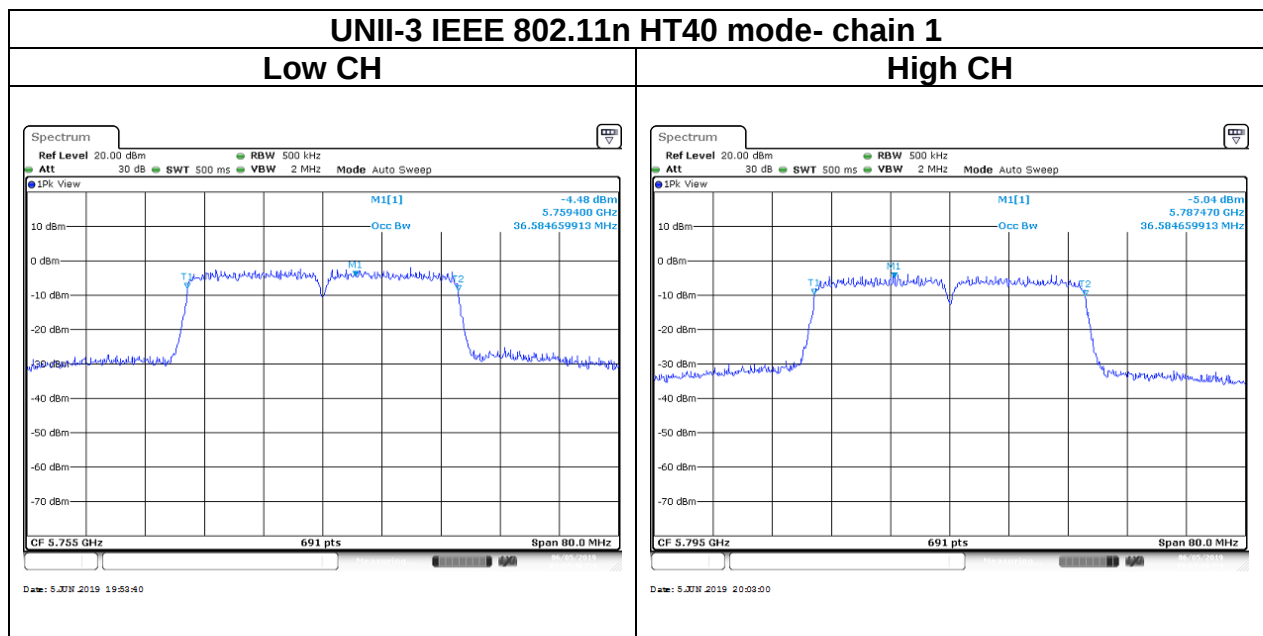
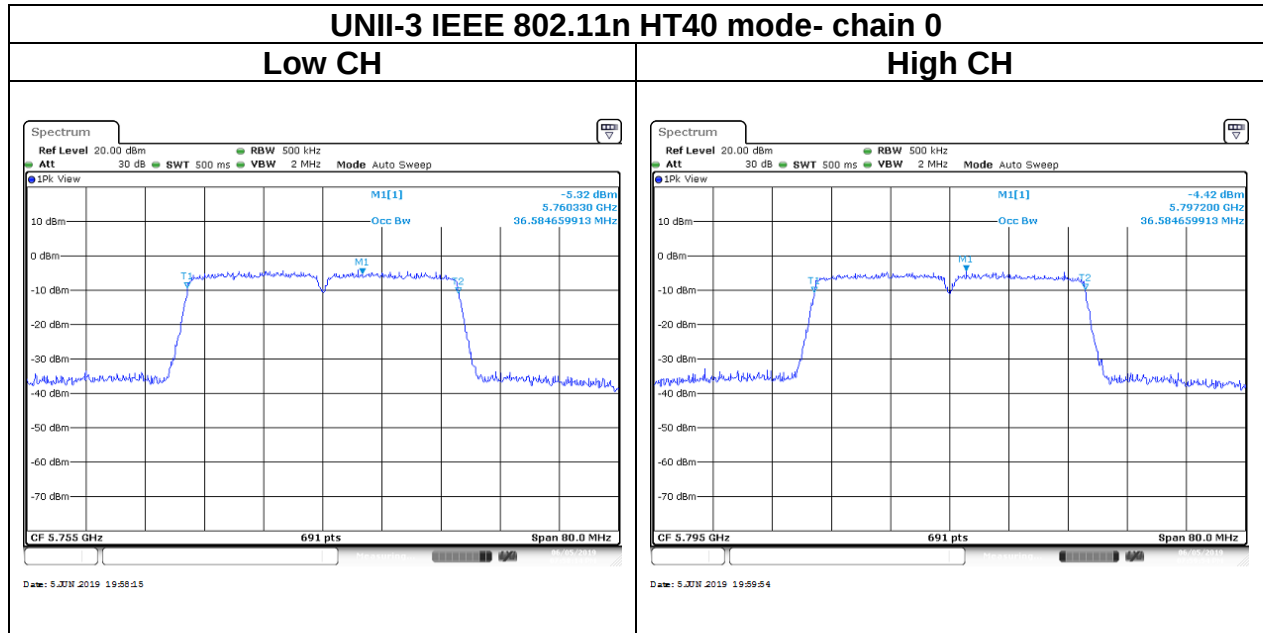


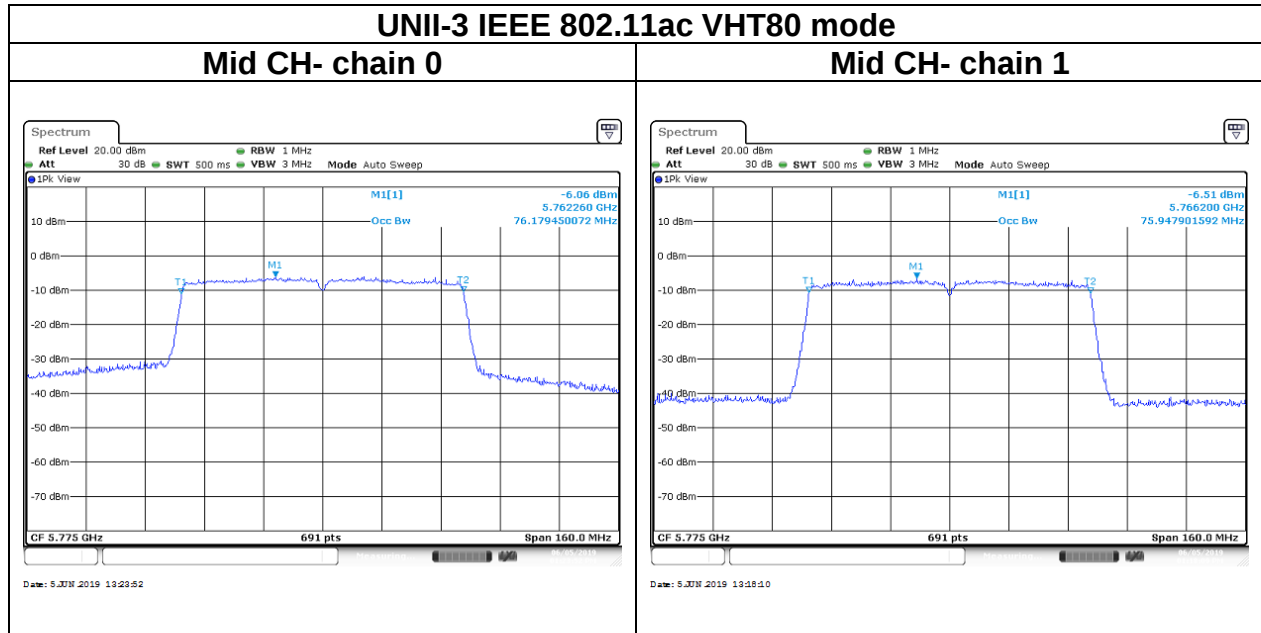
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## 4.3 OUTPUT POWER MEASUREMENT

### 4.3.1 Test Limit

According to §15.407 (a)(1), 15.407(a)(2) and 15.407(a)(3) and RSS-247 section 6.2.1.1, section 6.2.2.1, section 6.2.3.1 and section 6.2.4.1

#### UNII-1 :

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW(24 dBm) and The maximum e.i.r.p. shall not exceed 200 mW or  $10 + 10 \log_{10} B$ , dBm, whichever power is less. B is the 99% emission bandwidth in megahertz ,provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### UNII-2a and 2c:

the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. and The maximum e.i.r.p. shall not exceed 1.0 W or  $17 + 10 \log_{10} B$ , dBm, whichever power is less. B is the 99% emission bandwidth in MHz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

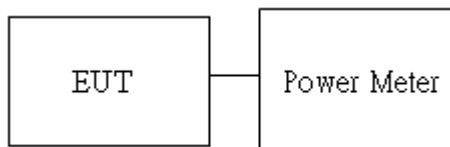
|                  |                                                                                                                                                                                    |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UNII-1 Limit     | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 24dBm (EIRP : 23dBm)<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = $24 - (DG - 6)$ ] |
| UNII-2a/2c Limit | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 24dBm (EIRP : 30dBm)<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = $24 - (DG - 6)$ ] |
| UNII-3 Limit     | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 30dBm<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = $30 - (DG - 6)$ ]                |

### 4.3.2 Test Procedure

Test method Refer as KDB 789033 D02.

1. The EUT RF output connected to the power meter by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Average output power. in the test report.

### 4.3.3 Test Setup



### 4.3.4 Test Result

#### Conducted output power :

| UNII-1                                          |    |                |           |        |               |        |                            |                                    |                          |                                  |             |                |                        |      |    |    |      |    |    |
|-------------------------------------------------|----|----------------|-----------|--------|---------------|--------|----------------------------|------------------------------------|--------------------------|----------------------------------|-------------|----------------|------------------------|------|----|----|------|----|----|
| Config                                          | CH | Freq.<br>(MHz) | Power Set |        | AV Power(dBm) |        | AV Total<br>Power<br>(dBm) | EIRP AV<br>Total<br>Power<br>(dBm) | AV Total<br>Power<br>(W) | EIRP AV<br>Total<br>Power<br>(W) | DG<br>(dBi) | Limit<br>(dBm) | EIRP<br>Limit<br>(dBm) |      |    |    |      |    |    |
|                                                 |    |                | chain0    | chain1 | chain0        | chain1 |                            |                                    |                          |                                  |             |                |                        |      |    |    |      |    |    |
| IEEE<br>802.11a<br>Data rate:<br>6Mbps          | 36 | 5180           | 11        | 11     | 9.45          | 9.74   | 12.61                      | 15.12                              | 0.0182                   | 0.0325                           | 2.51        | 24             | 23                     |      |    |    |      |    |    |
|                                                 | 44 | 5220           | 9         | 9      | 7.80          | 9.14   | 11.53                      | 14.04                              | 0.0142                   | 0.0254                           |             |                |                        |      |    |    |      |    |    |
|                                                 | 48 | 5240           | 9         | 9      | 8.94          | 9.16   | 12.06                      | 14.57                              | 0.0161                   | 0.0287                           |             |                |                        |      |    |    |      |    |    |
| IEEE<br>802.11n<br>HT20<br>Data rate:<br>MCS0   | 36 | 5180           | 10        | 10     | 9.48          | 9.52   | 12.51                      | 15.02                              | 0.0178                   | 0.0318                           |             |                |                        | 2.51 | 24 | 23 |      |    |    |
|                                                 | 44 | 5220           | 10        | 10     | 9.69          | 10.10  | 12.91                      | 15.42                              | 0.0195                   | 0.0348                           |             |                |                        |      |    |    |      |    |    |
|                                                 | 48 | 5240           | 9         | 9      | 8.85          | 9.48   | 12.19                      | 14.70                              | 0.0165                   | 0.0295                           |             |                |                        |      |    |    |      |    |    |
| IEEE<br>802.11n<br>HT40<br>Data rate:<br>MCS0   | 38 | 5190           | 11        | 11     | 10.68         | 10.71  | 13.71                      | 16.22                              | 0.0235                   | 0.0418                           |             |                |                        |      |    |    | 2.51 | 24 | 23 |
|                                                 | 46 | 5230           | 10        | 10     | 9.72          | 10.18  | 12.97                      | 15.48                              | 0.0198                   | 0.0353                           |             |                |                        |      |    |    |      |    |    |
| IEEE<br>802.11ac<br>VHT80<br>Data rate:<br>MCS0 | 42 | 5210           | 4         | 4      | 10.38         | 14.75  | 16.10                      | 18.61                              | 0.0408                   | 0.0727                           |             |                |                        |      |    |    |      |    |    |



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| UNII-2a                                         |    |                |           |        |               |        |                            |                                    |                          |                                  |             |                |                        |  |  |  |
|-------------------------------------------------|----|----------------|-----------|--------|---------------|--------|----------------------------|------------------------------------|--------------------------|----------------------------------|-------------|----------------|------------------------|--|--|--|
| Config                                          | CH | Freq.<br>(MHz) | Power Set |        | AV Power(dBm) |        | AV Total<br>Power<br>(dBm) | EIRP AV<br>Total<br>Power<br>(dBm) | AV Total<br>Power<br>(W) | EIRP AV<br>Total<br>Power<br>(W) | DG<br>(dBi) | Limit<br>(dBm) | EIRP<br>Limit<br>(dBm) |  |  |  |
|                                                 |    |                | chain0    | chain1 | chain0        | chain1 |                            |                                    |                          |                                  |             |                |                        |  |  |  |
| IEEE<br>802.11a<br>Data rate:<br>6Mbps          | 52 | 5260           | 10        | 10     | 8.98          | 9.57   | 12.30                      | 14.81                              | 0.0170                   | 0.0302                           | 2.51        | 24             | 30                     |  |  |  |
|                                                 | 56 | 5280           | 10        | 10     | 9.12          | 9.61   | 12.38                      | 14.89                              | 0.0173                   | 0.0308                           |             |                |                        |  |  |  |
|                                                 | 64 | 5320           | 10        | 10     | 9.34          | 9.78   | 12.58                      | 15.09                              | 0.0181                   | 0.0323                           |             |                |                        |  |  |  |
| IEEE<br>802.11n<br>HT20<br>Data rate:<br>MCS0   | 52 | 5260           | 10        | 10     | 8.77          | 9.61   | 12.22                      | 14.73                              | 0.0167                   | 0.0297                           |             |                |                        |  |  |  |
|                                                 | 56 | 5280           | 10        | 10     | 8.81          | 9.53   | 12.20                      | 14.71                              | 0.0166                   | 0.0295                           |             |                |                        |  |  |  |
|                                                 | 64 | 5320           | 10        | 10     | 9.02          | 9.77   | 12.42                      | 14.93                              | 0.0175                   | 0.0311                           |             |                |                        |  |  |  |
| IEEE<br>802.11n<br>HT40<br>Data rate:<br>MCS0   | 54 | 5270           | 11        | 11     | 9.85          | 10.63  | 13.27                      | 15.78                              | 0.0212                   | 0.0378                           |             |                |                        |  |  |  |
|                                                 | 62 | 5310           | 10        | 10     | 8.93          | 9.63   | 12.30                      | 14.81                              | 0.0170                   | 0.0303                           |             |                |                        |  |  |  |
| IEEE<br>802.11ac<br>VHT80<br>Data rate:<br>MCS0 | 58 | 5290           | 7         | 7      | 12.03         | 13.98  | 16.12                      | 18.63                              | 0.0410                   | 0.0730                           |             |                |                        |  |  |  |



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| UNII-2c                                         |     |                |           |        |               |        |                            |                                    |                          |                                  |             |                |                        |
|-------------------------------------------------|-----|----------------|-----------|--------|---------------|--------|----------------------------|------------------------------------|--------------------------|----------------------------------|-------------|----------------|------------------------|
| Config                                          | CH  | Freq.<br>(MHz) | Power Set |        | AV Power(dBm) |        | AV Total<br>Power<br>(dBm) | EIRP AV<br>Total<br>Power<br>(dBm) | AV Total<br>Power<br>(W) | EIRP AV<br>Total<br>Power<br>(W) | DG<br>(dBi) | Limit<br>(dBm) | EIRP<br>Limit<br>(dBm) |
|                                                 |     |                | chain0    | chain1 | chain0        | chain1 |                            |                                    |                          |                                  |             |                |                        |
| IEEE<br>802.11a<br>Data rate:<br>6Mbps          | 100 | 5500           | 11        | 11     | 9.91          | 10.27  | 13.10                      | 15.61                              | 0.0204                   | 0.0364                           | 2.51        | 24             | 30                     |
|                                                 | 116 | 5580           | 11        | 11     | 10.10         | 10.19  | 13.16                      | 15.67                              | 0.0207                   | 0.0369                           |             |                |                        |
|                                                 | 140 | 5700           | 7         | 7      | 5.62          | 5.35   | 8.50                       | 11.01                              | 0.0071                   | 0.0126                           |             |                |                        |
| IEEE<br>802.11n<br>HT20<br>Data rate:<br>MCS0   | 100 | 5500           | 11        | 11     | 9.82          | 10.31  | 13.08                      | 15.59                              | 0.0203                   | 0.0362                           |             |                |                        |
|                                                 | 116 | 5580           | 11        | 11     | 9.87          | 9.94   | 12.92                      | 15.43                              | 0.0196                   | 0.0349                           |             |                |                        |
|                                                 | 140 | 5700           | 9         | 9      | 7.61          | 7.05   | 10.35                      | 12.86                              | 0.0108                   | 0.0193                           |             |                |                        |
| IEEE<br>802.11n<br>HT40<br>Data rate:<br>MCS0   | 102 | 5510           | 10        | 10     | 8.93          | 8.15   | 11.57                      | 14.08                              | 0.0143                   | 0.0256                           |             |                |                        |
|                                                 | 110 | 5550           | 10        | 10     | 9.02          | 8.34   | 11.70                      | 14.21                              | 0.0148                   | 0.0264                           |             |                |                        |
|                                                 | 134 | 5670           | 9         | 9      | 7.62          | 7.11   | 10.38                      | 12.89                              | 0.0109                   | 0.0195                           |             |                |                        |
| IEEE<br>802.11ac<br>VHT80<br>Data rate:<br>MCS0 | 106 | 5530           | 7         | 7      | 12.85         | 13.46  | 16.18                      | 18.69                              | 0.0415                   | 0.0739                           |             |                |                        |



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| UNII-3                                          |     |                |           |        |               |        |                            |                          |             |                |
|-------------------------------------------------|-----|----------------|-----------|--------|---------------|--------|----------------------------|--------------------------|-------------|----------------|
| Config                                          | CH  | Freq.<br>(MHz) | Power Set |        | AV Power(dBm) |        | AV Total<br>Power<br>(dBm) | AV Total<br>Power<br>(W) | DG<br>(dBi) | Limit<br>(dBm) |
|                                                 |     |                | chain0    | chain1 | chain0        | chain1 |                            |                          |             |                |
| IEEE<br>802.11a<br>Data rate:<br>6Mbps          | 149 | 5745           | 7         | 7      | 6.77          | 6.07   | 9.44                       | 0.0088                   | 2.51        | 30             |
|                                                 | 157 | 5785           | 7         | 7      | 6.52          | 5.51   | 9.05                       | 0.0080                   |             |                |
|                                                 | 165 | 5825           | 7         | 7      | 6.42          | 5.41   | 8.95                       | 0.0079                   |             |                |
| IEEE<br>802.11n<br>HT20<br>Data rate:<br>MCS0   | 149 | 5745           | 7         | 7      | 6.81          | 6.11   | 9.48                       | 0.0089                   |             |                |
|                                                 | 157 | 5785           | 7         | 7      | 6.62          | 5.56   | 9.13                       | 0.0082                   |             |                |
|                                                 | 165 | 5825           | 7         | 7      | 6.28          | 5.41   | 8.88                       | 0.0077                   |             |                |
| IEEE<br>802.11n<br>HT40<br>Data rate:<br>MCS0   | 151 | 5755           | 7         | 7      | 6.31          | 5.14   | 8.77                       | 0.0075                   |             |                |
|                                                 | 159 | 5795           | 7         | 7      | 6.20          | 5.18   | 8.73                       | 0.0075                   |             |                |
| IEEE<br>802.11ac<br>VHT80<br>Data rate:<br>MCS0 | 155 | 5775           | -1        | -1     | 7.43          | 7.44   | 10.45                      | 0.0111                   |             |                |

## 4.4 POWER SPECTRAL DENSITY

### 4.4.1 Test Limit

According to §15.407 (a)(1), 15.407(a)(2) and 15.407(a)(3) and RSS-247 section 6.2.1(1), section 6.2.2(1), section 6.2.3(1) and section 6.2.4(1)

#### UNII-1 :

**FCC:** The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

**IC:** The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### UNII-2a and 2c:

The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.i.

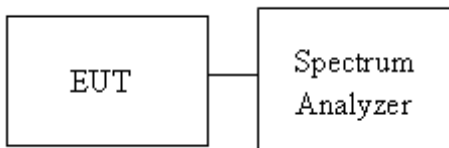
|               |                                                                                                                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UNII-1 Limit  | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 11 dBm<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = 11 – (DG – 6)] |
| UNII-2a Limit | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 11 dBm<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = 11 – (DG – 6)] |
| UNII-2c Limit | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 11 dBm<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = 11 – (DG – 6)] |
| UNII-3 Limit  | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 30 dBm<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = 30 – (DG – 6)] |

#### 4.4.2 Test Procedure

Test method Refer as KDB 789033 D02.

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. UNII-1, UNII-2a and UNII-2c, SA set RBW = 1MHz, VBW = 3MHz and Detector = RMS, to measurement Power Density.
4. UNII-3, SA set RBW = 500kHz, VBW = 2MHz and Detector = RMS, to measurement Power Density
5. The path loss and Duty Factor were compensated to the results for each measurement by SA.
6. Mark the maximum level.
7. Measure and record the result of power spectral density. in the test report.

#### 4.4.3 Test Setup



#### 4.4.4 Test Result

| UNII-1                              |                 |                    |                    |                  |                 |                |
|-------------------------------------|-----------------|--------------------|--------------------|------------------|-----------------|----------------|
| Test mode: IEEE 802.11a mode        |                 |                    |                    |                  |                 |                |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | FCC Limit (dBm) | IC Limit (dBm) |
| Low                                 | 5180            | 1.94               | 2.46               | 5.22             | 11              | 10             |
| Mid                                 | 5220            | 2.24               | 2.56               | 5.41             |                 |                |
| High                                | 5240            | 2.28               | 2.6                | 5.45             |                 |                |
| Test mode: IEEE 802.11n HT20 mode   |                 |                    |                    |                  |                 |                |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | FCC Limit (dBm) | IC Limit (dBm) |
| Low                                 | 5180            | 1.65               | 2.15               | 4.92             | 11              | 10             |
| Mid                                 | 5220            | 1.64               | 2.26               | 4.97             |                 |                |
| High                                | 5240            | 2.05               | 2.56               | 5.32             |                 |                |
| Test mode: IEEE 802.11n HT40 mode   |                 |                    |                    |                  |                 |                |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | FCC Limit (dBm) | IC Limit (dBm) |
| Low                                 | 5190            | -0.42              | 0.01               | 2.81             | 11              | 10             |
| High                                | 5230            | -0.34              | 0.18               | 2.94             |                 |                |
| Test mode: IEEE 802.11ac VHT80 mode |                 |                    |                    |                  |                 |                |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | FCC Limit (dBm) | IC Limit (dBm) |
| Mid                                 | 5210            | -2.88              | -1.51              | 0.87             | 11              | 10             |

| UNII-2a                             |                 |                    |                    |                  |             |
|-------------------------------------|-----------------|--------------------|--------------------|------------------|-------------|
| Test mode: IEEE 802.11a mode        |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5260            | 1.89               | 2.52               | 5.23             | 11          |
| Mid                                 | 5280            | 2.01               | 2.25               | 5.14             |             |
| High                                | 5320            | 2.18               | 2.37               | 5.29             |             |
| Test mode: IEEE 802.11n HT20 mode   |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5260            | 1.53               | 1.97               | 4.77             | 11          |
| Mid                                 | 5280            | 1.67               | 2.16               | 4.93             |             |
| High                                | 5320            | 1.82               | 2.57               | 5.22             |             |
| Test mode: IEEE 802.11n HT40 mode   |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5270            | -0.71              | -0.13              | 2.60             | 11          |
| High                                | 5310            | -0.51              | 0.17               | 2.85             |             |
| Test mode: IEEE 802.11ac VHT80 mode |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Mid                                 | 5290            | -3.46              | -2.28              | 0.18             | 11          |

| UNII-2c                             |                 |                    |                    |                  |             |
|-------------------------------------|-----------------|--------------------|--------------------|------------------|-------------|
| Test mode: IEEE 802.11a mode        |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5500            | 1.52               | 1.96               | 4.76             | 11          |
| Mid                                 | 5580            | 1.51               | 1.9                | 4.72             |             |
| High                                | 5700            | 2.54               | 2.01               | 5.29             |             |
| Test mode: IEEE 802.11n HT20 mode   |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5500            | 2.33               | 3.09               | 5.74             | 11          |
| Mid                                 | 5580            | 2.54               | 2.78               | 5.67             |             |
| High                                | 5700            | 2.19               | 1.84               | 5.03             |             |
| Test mode: IEEE 802.11n HT40 mode   |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5510            | 0.12               | 0.57               | 3.36             | 11          |
| Mid                                 | 5500            | 0.18               | 0.62               | 3.42             |             |
| High                                | 5670            | -0.09              | -0.35              | 2.79             |             |
| Test mode: IEEE 802.11ac VHT80 mode |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Mid                                 | 5530            | -2.42              | -1.91              | 0.85             | 11          |

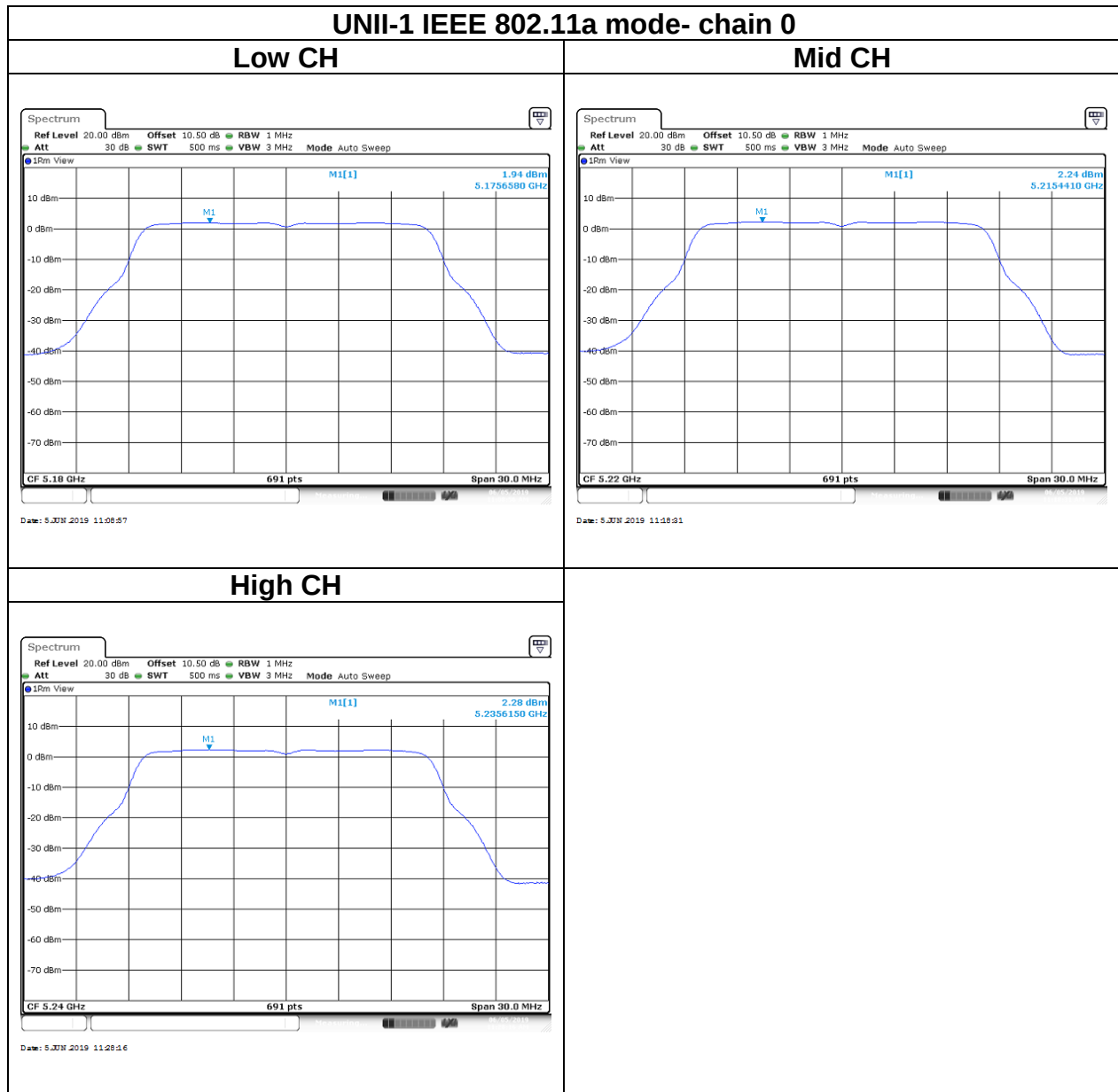
| UNII-3                              |                 |                    |                    |                  |             |
|-------------------------------------|-----------------|--------------------|--------------------|------------------|-------------|
| Test mode: IEEE 802.11a mode        |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5745            | 10.29              | 10.55              | 13.43            | 30          |
| Mid                                 | 5785            | 9.89               | 10.26              | 13.09            |             |
| High                                | 5825            | 9.87               | 9.91               | 12.90            |             |
| Test mode: IEEE 802.11n HT20 mode   |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5745            | 11.37              | 11.33              | 14.36            | 30          |
| Mid                                 | 5785            | 10.38              | 10.96              | 13.69            |             |
| High                                | 5825            | 10.1               | 10.85              | 13.50            |             |
| Test mode: IEEE 802.11n HT40 mode   |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5755            | 8.55               | 8.73               | 11.65            | 30          |
| High                                | 5795            | 6.38               | 6.68               | 9.54             |             |
| Test mode: IEEE 802.11ac VHT80 mode |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Mid                                 | 5775            | 5.69               | 5.56               | 8.64             | 30          |



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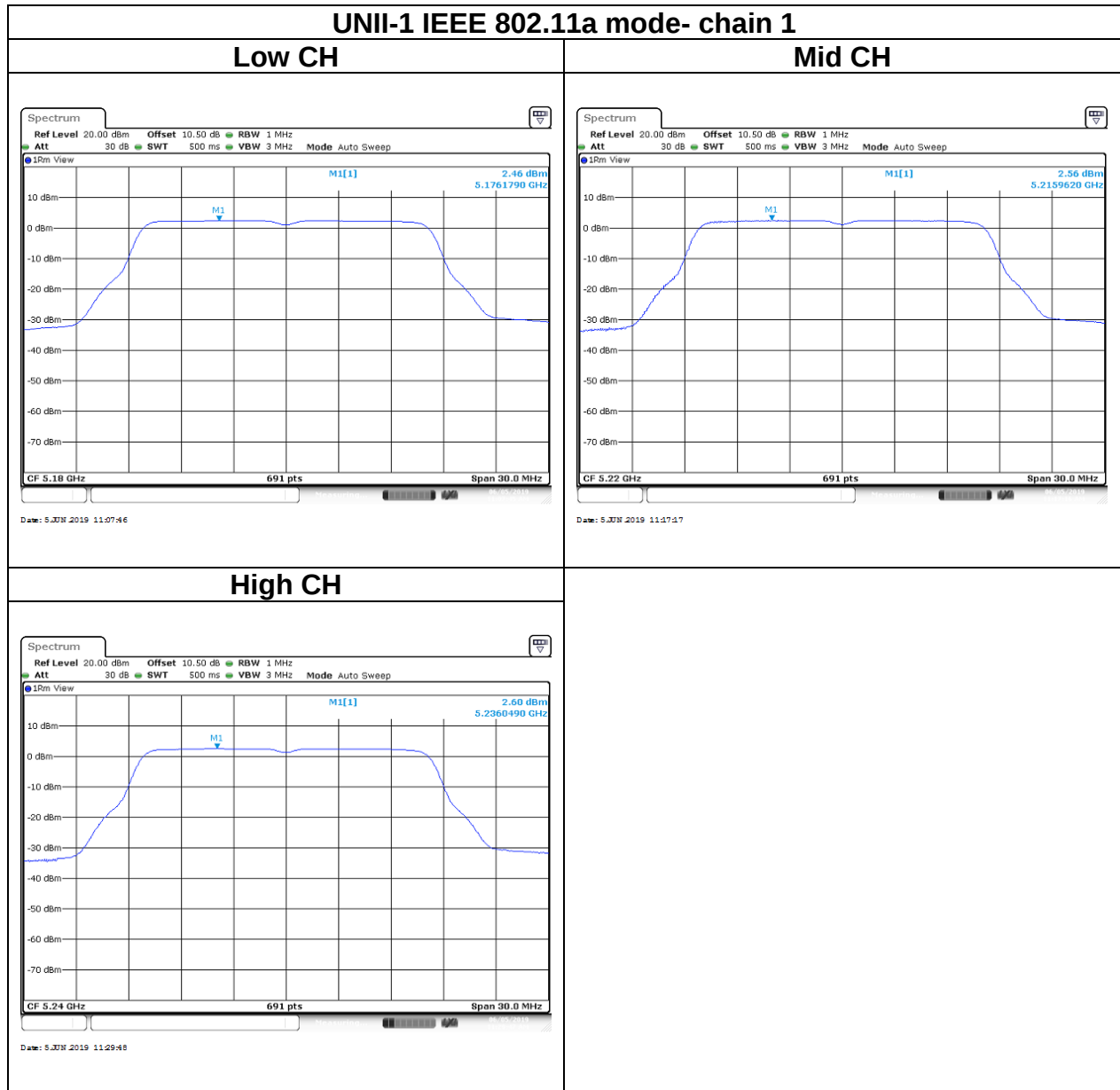
## Test Data





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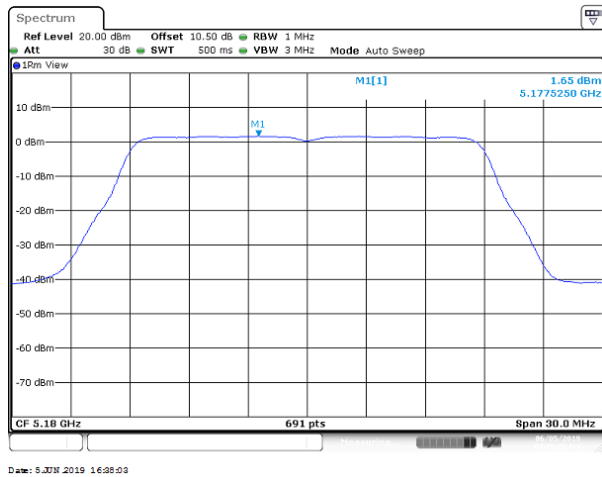


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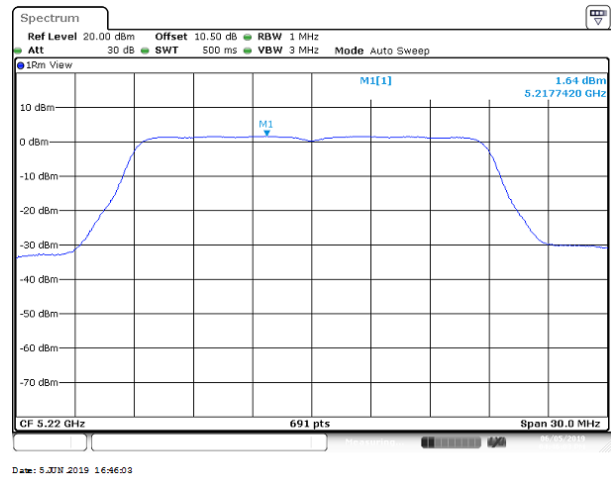
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### UNII-1 IEEE 802.11n HT20 mode chain 0

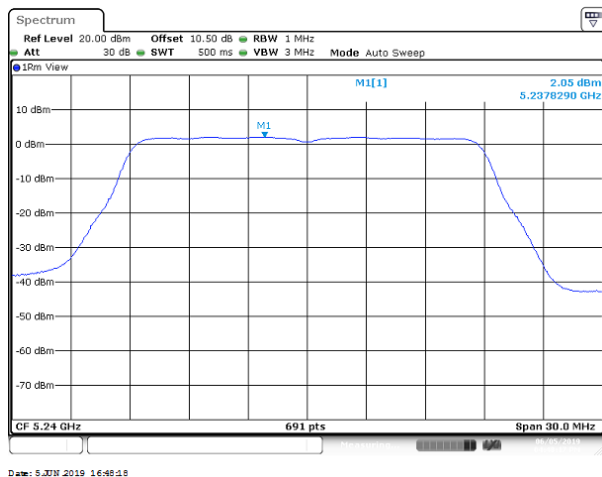
#### Low CH



#### Mid CH



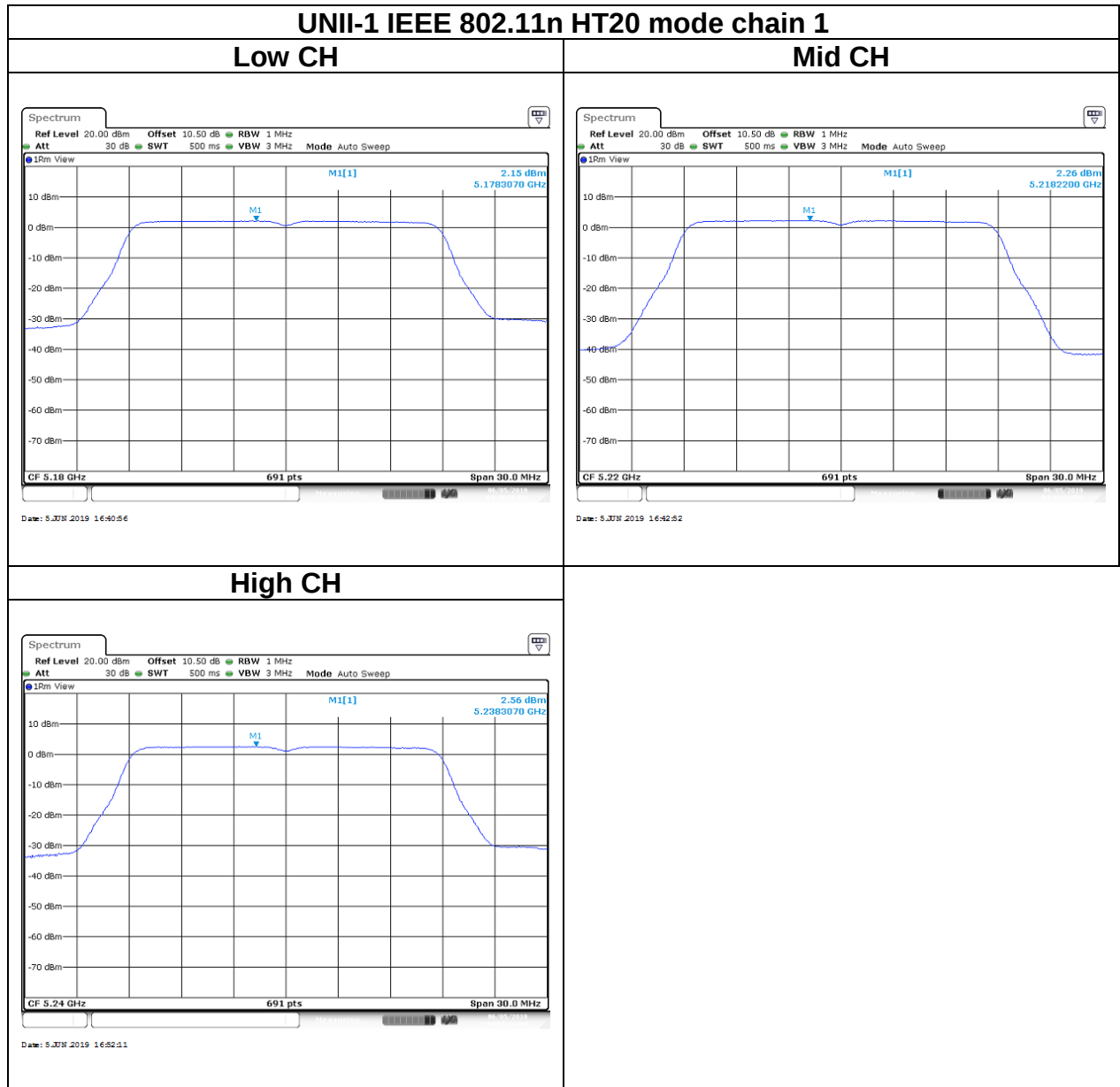
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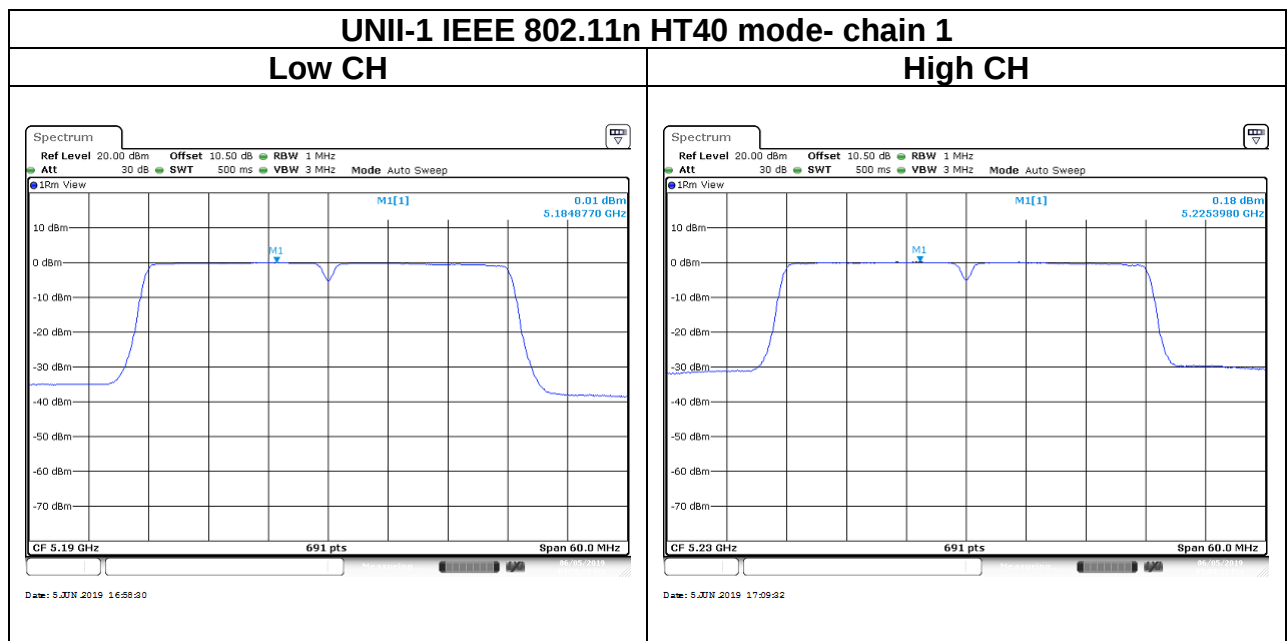
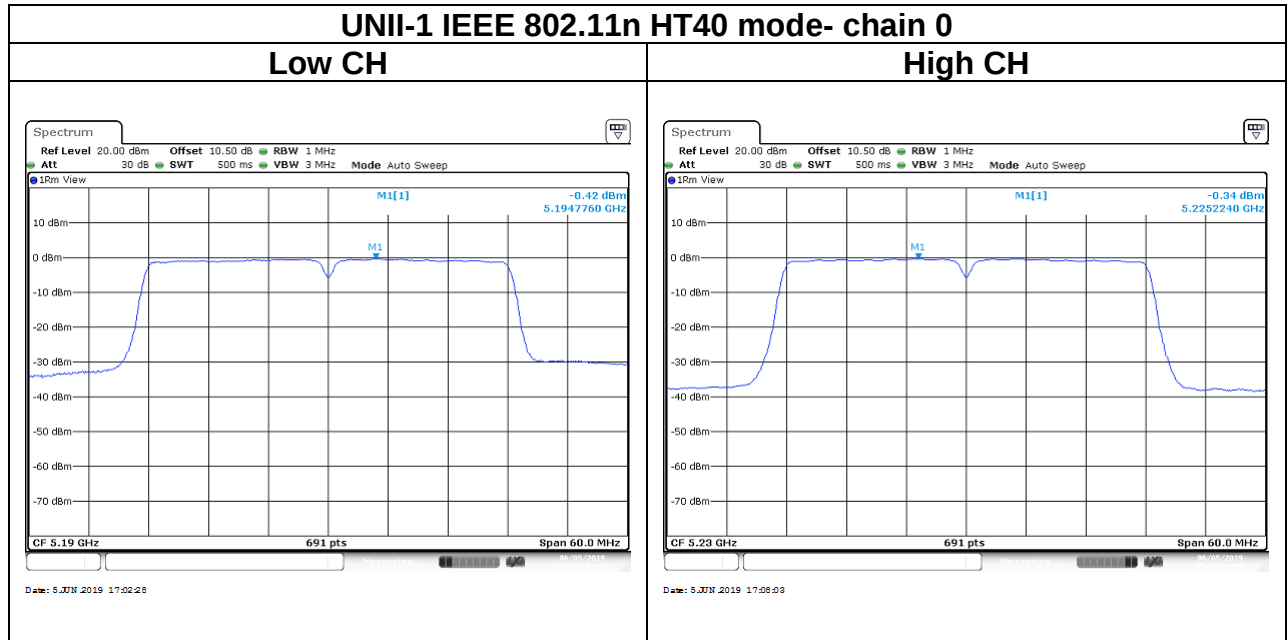




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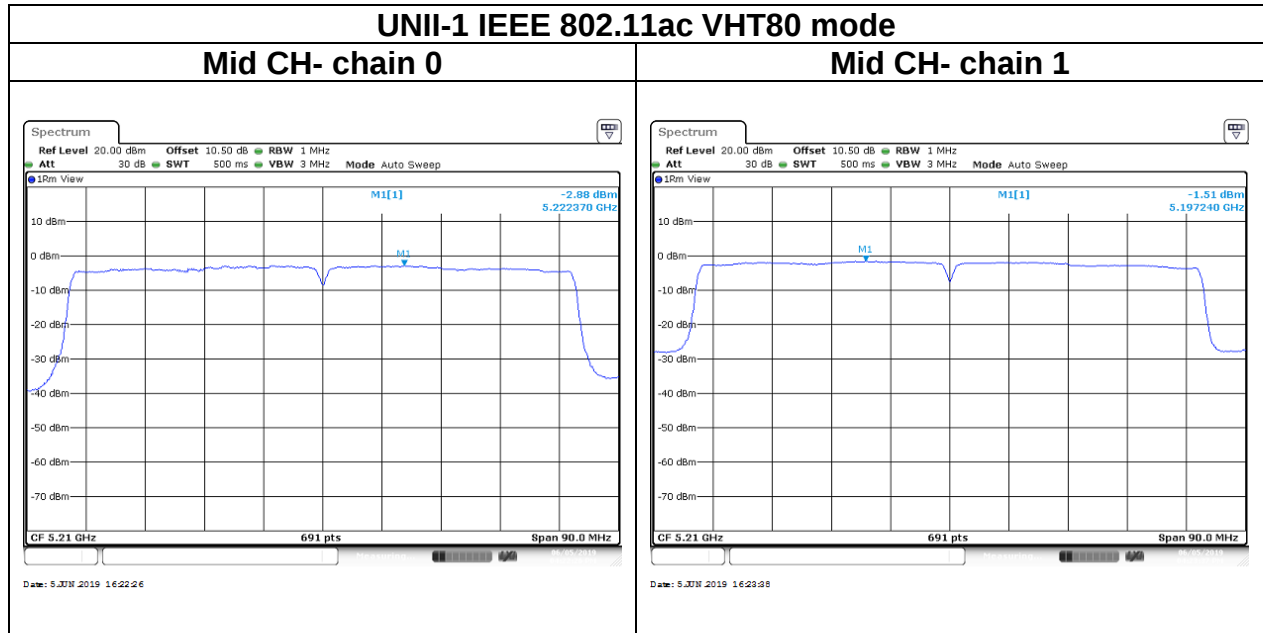






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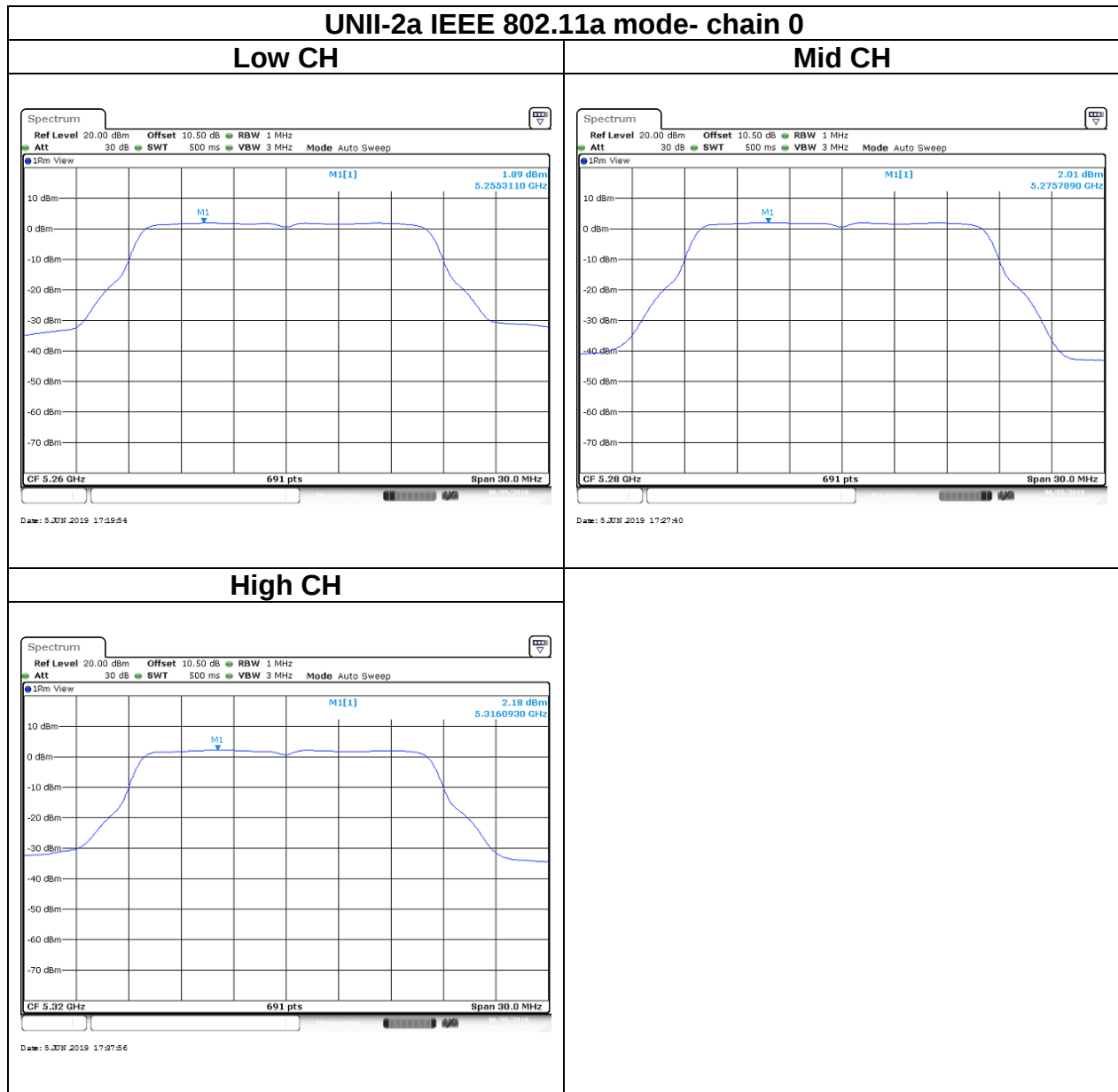


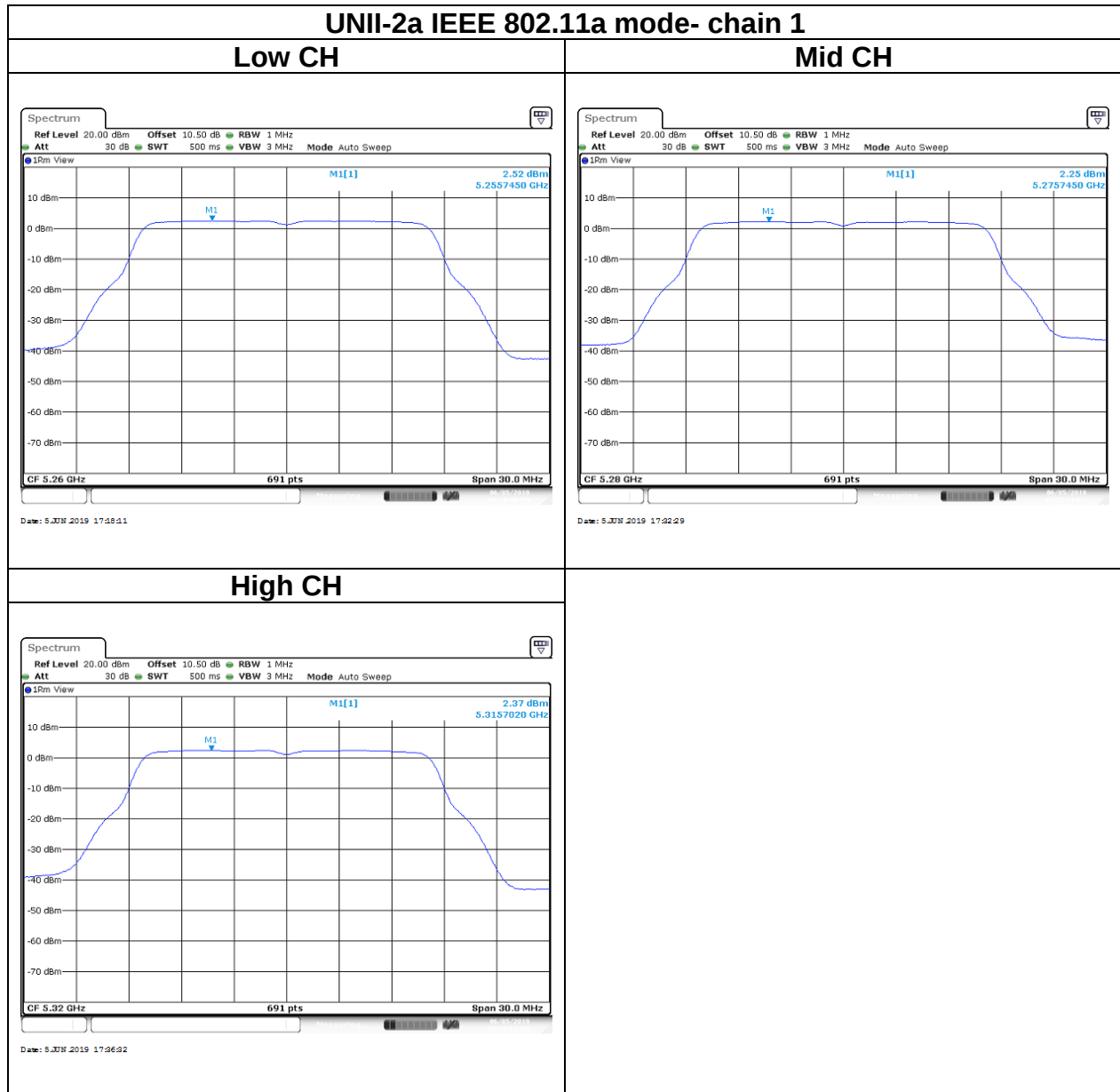


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## Test Data





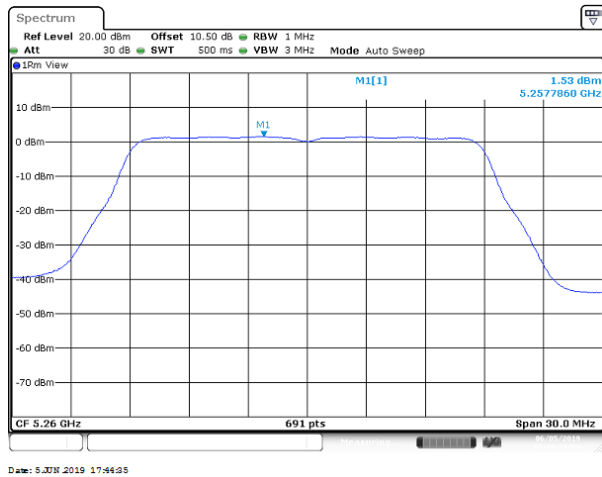


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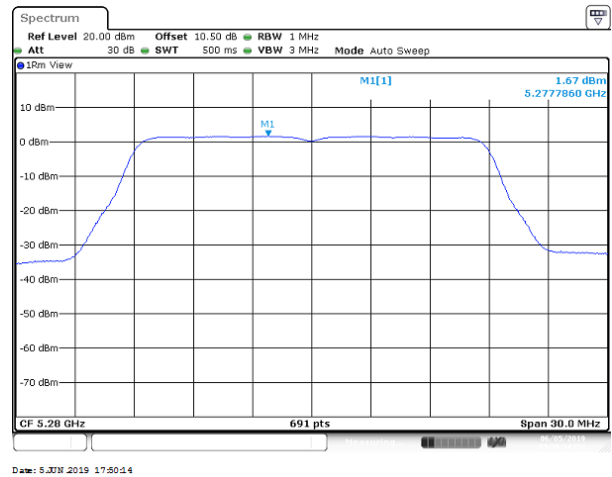
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### UNII-2a IEEE 802.11n HT20 mode- chain 0

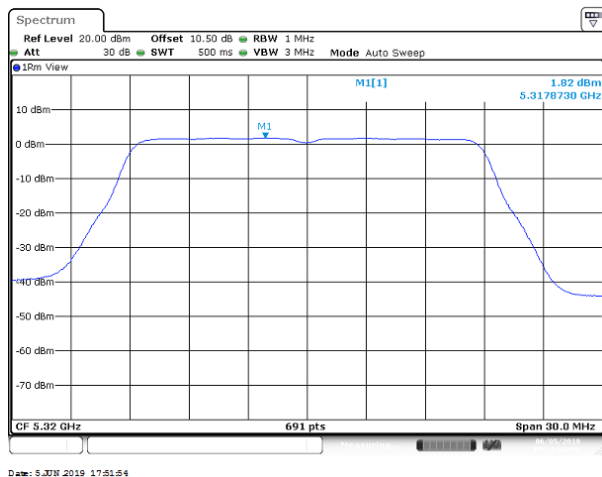
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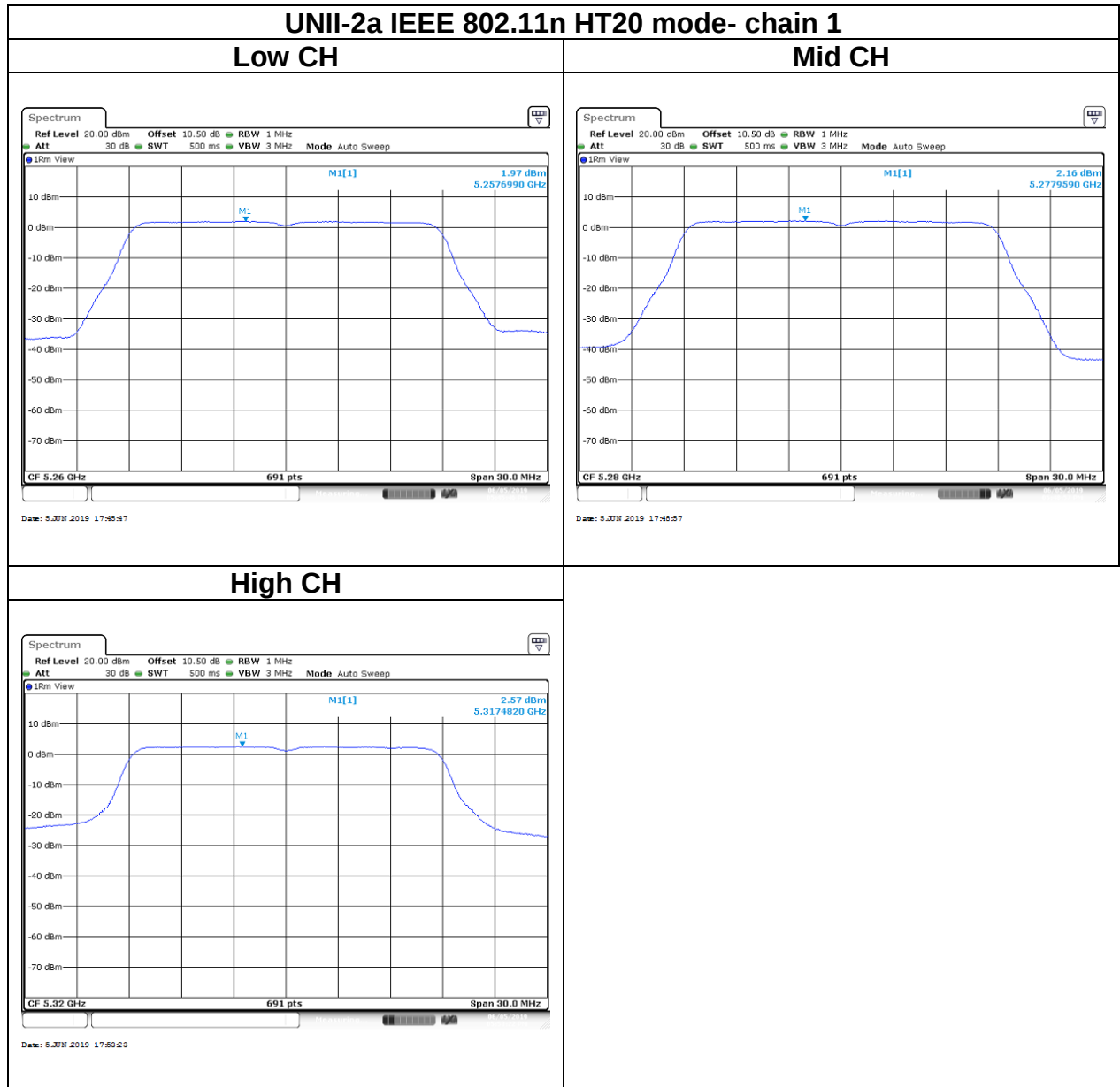


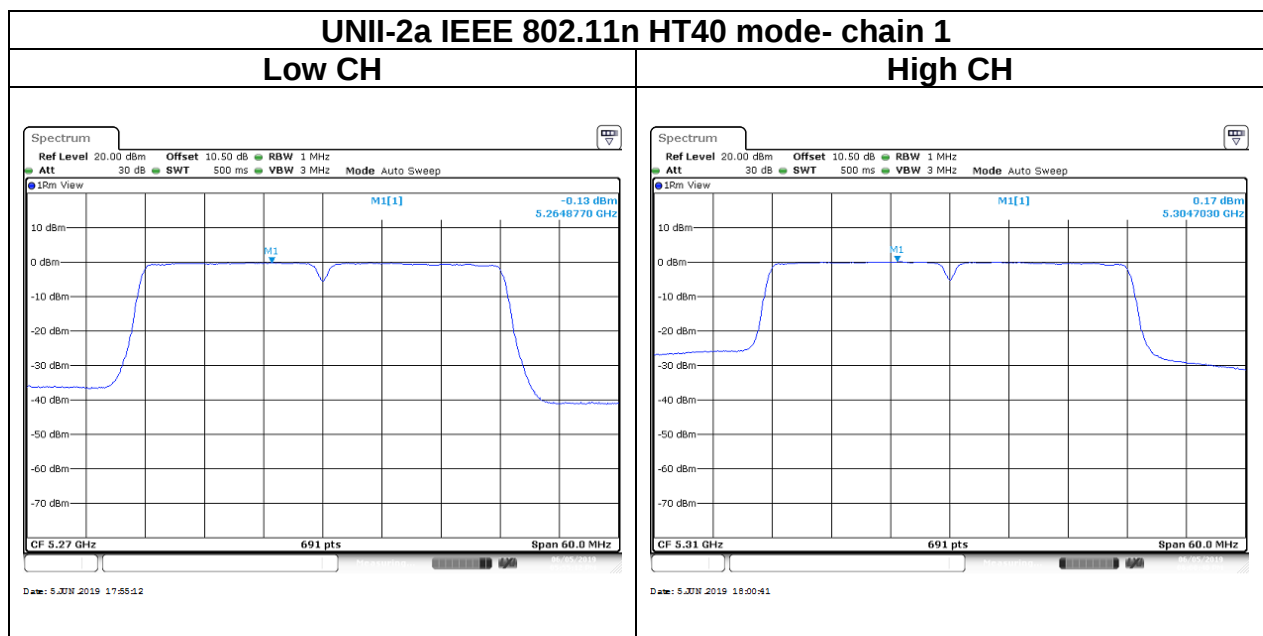
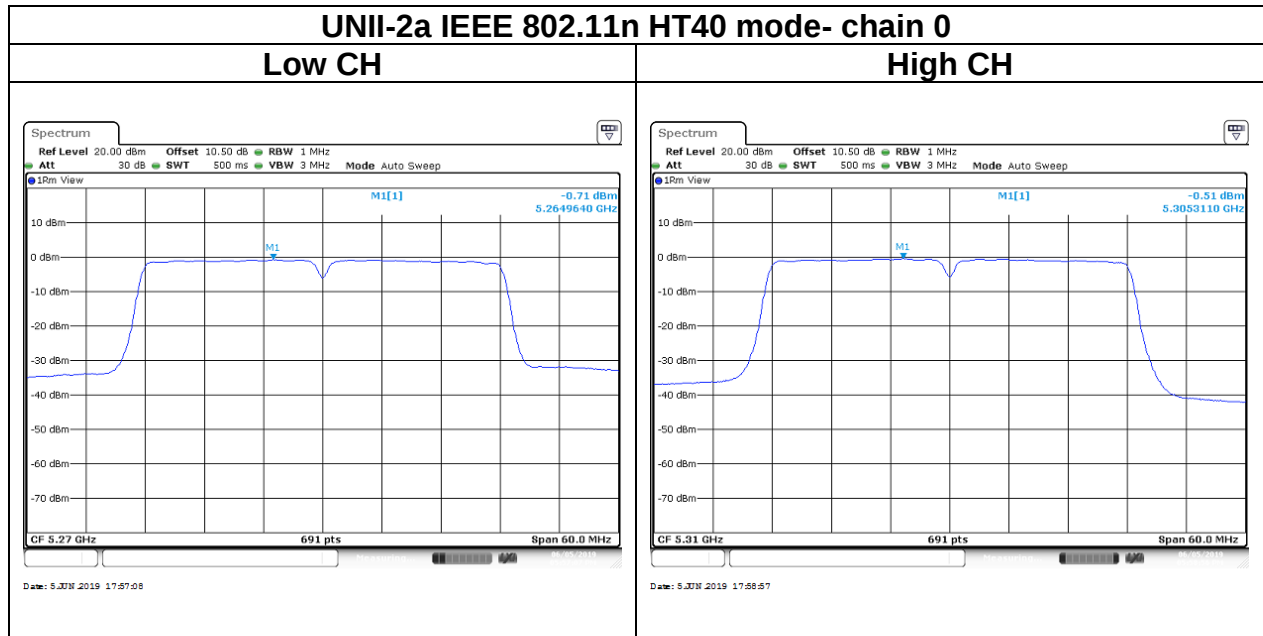
#### Mid CH



#### High CH



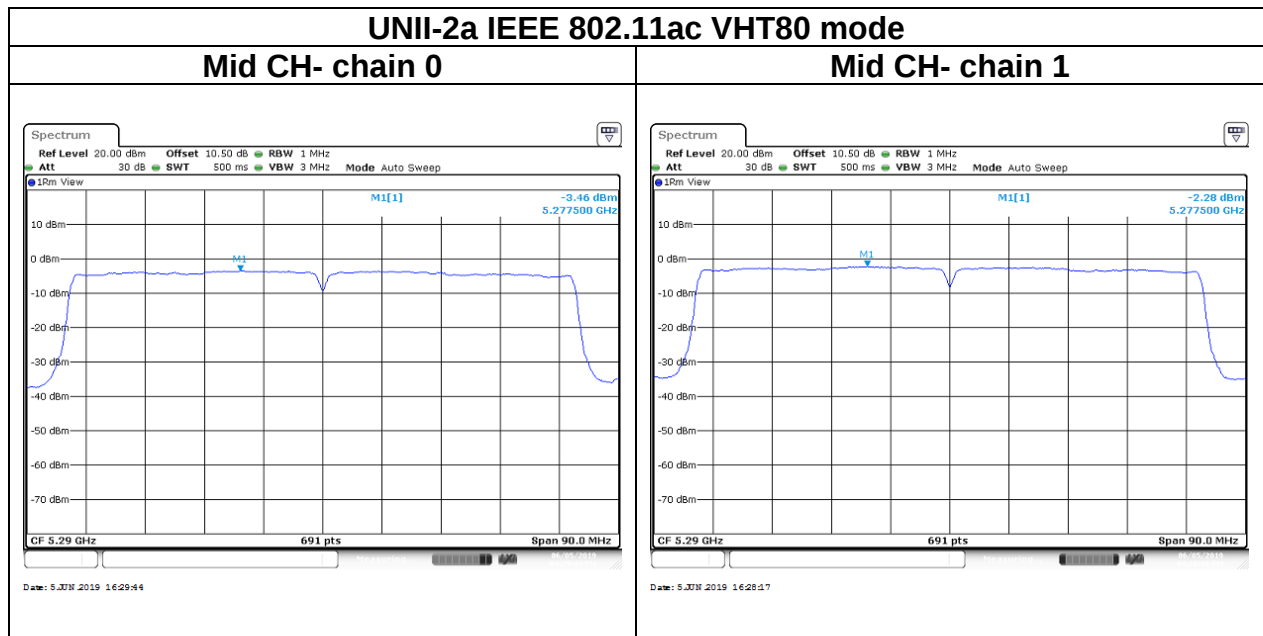






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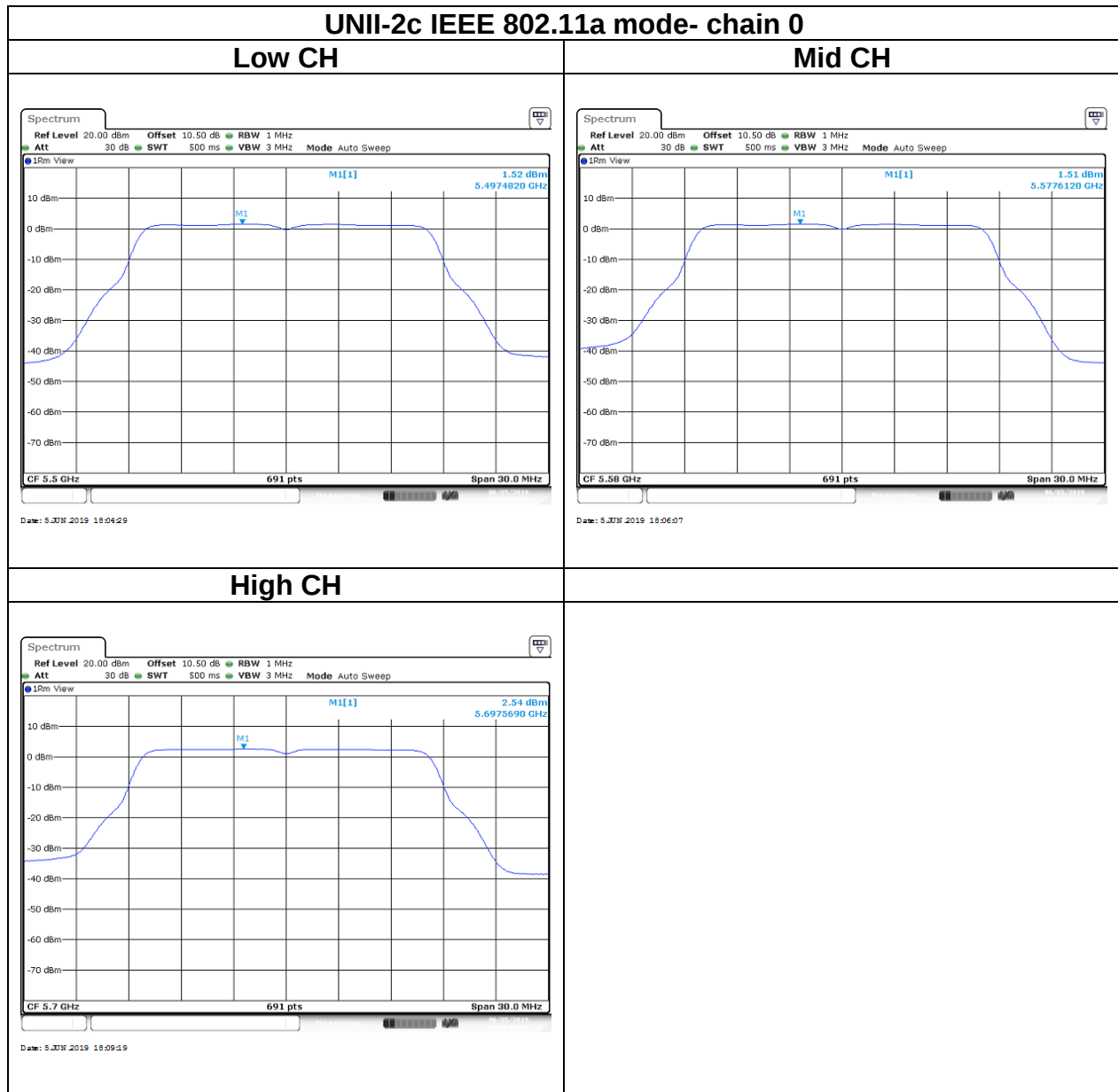




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