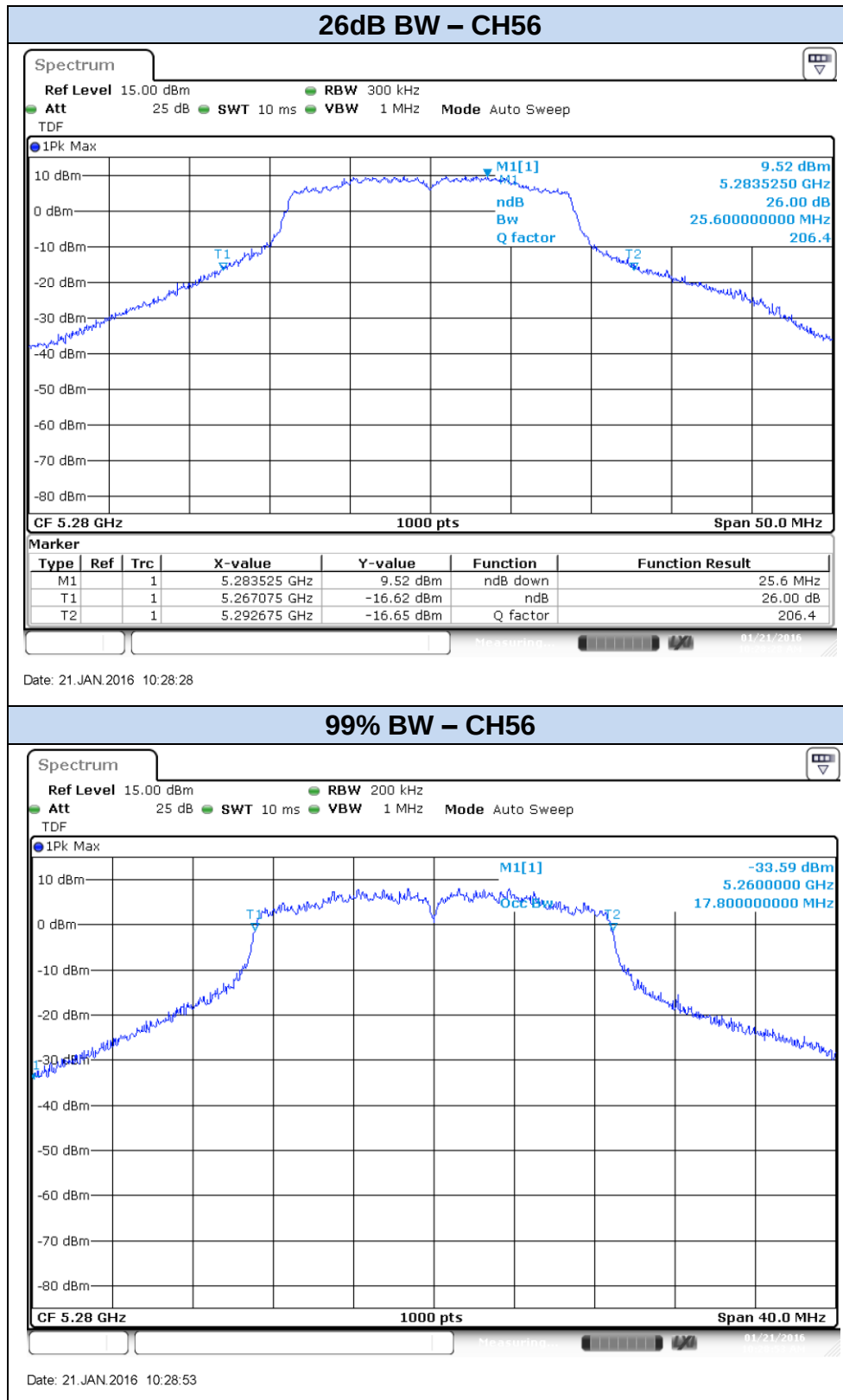
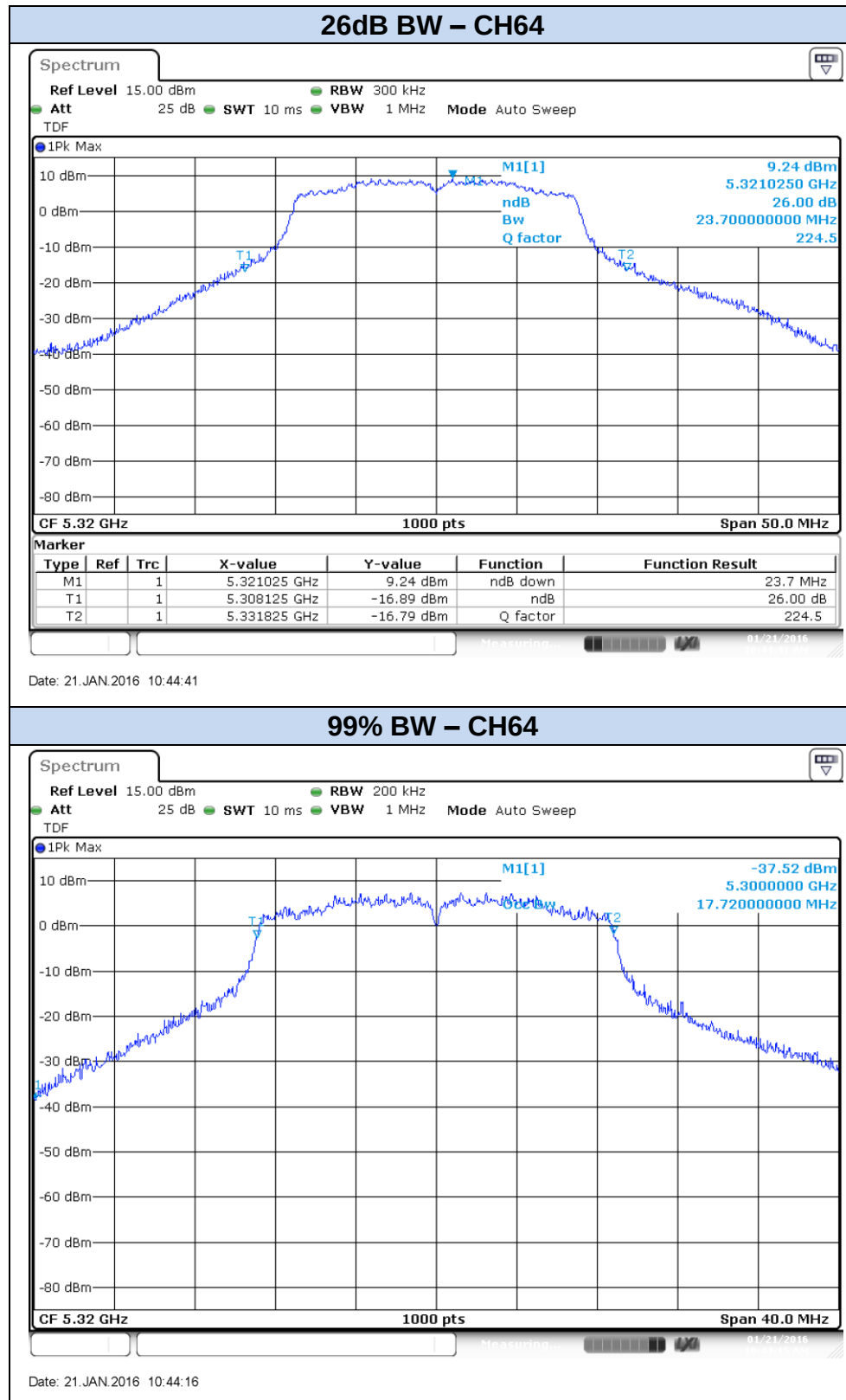
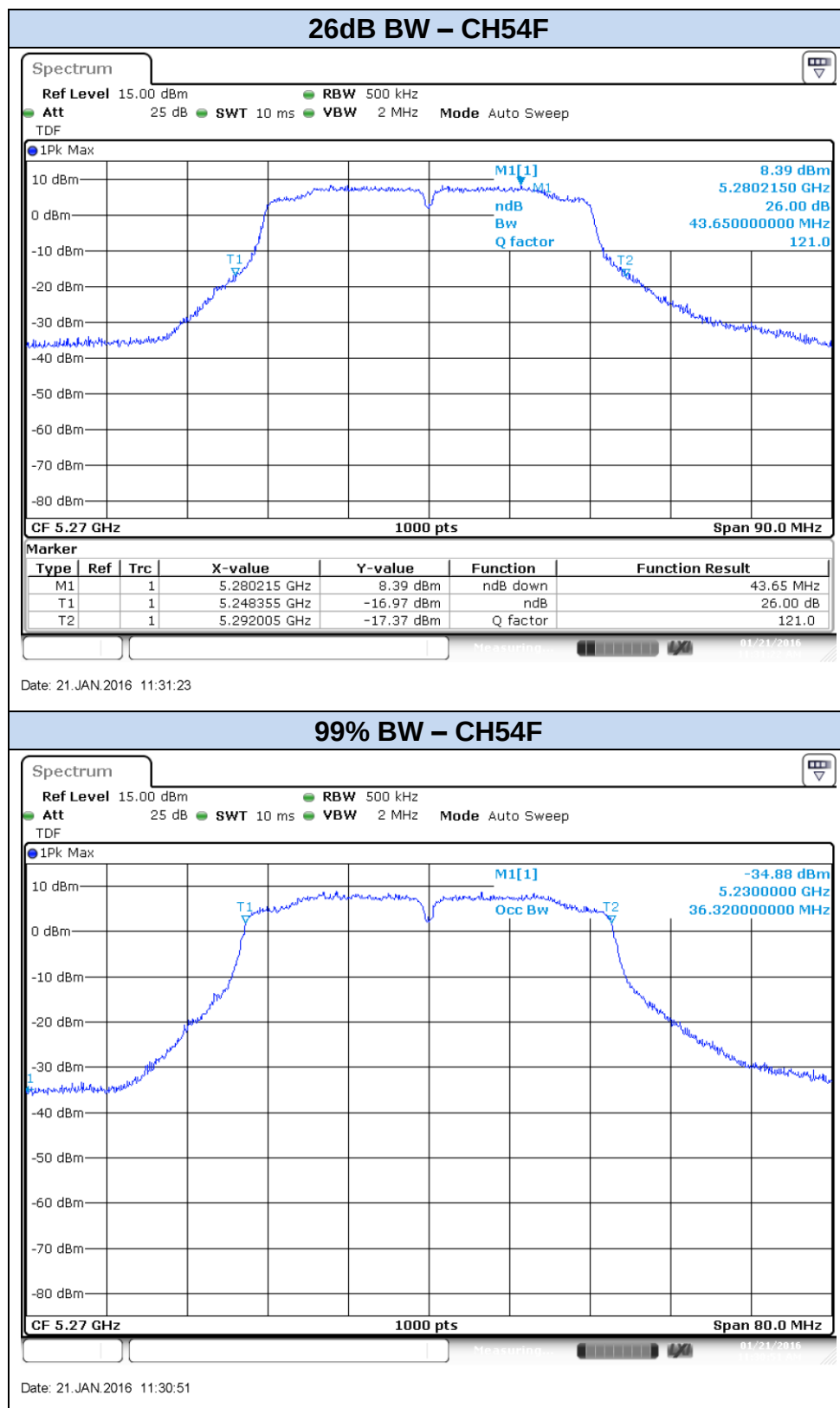
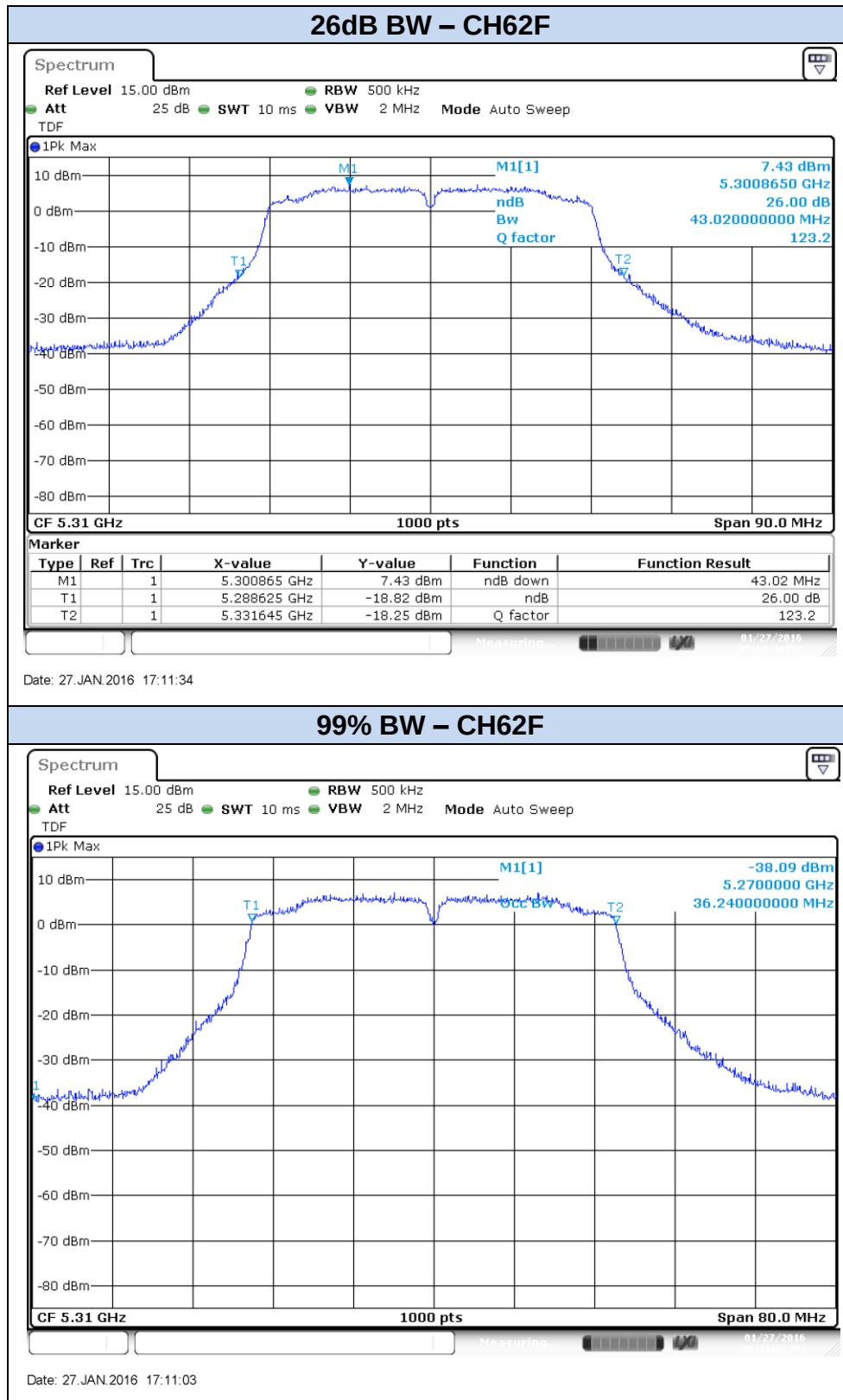




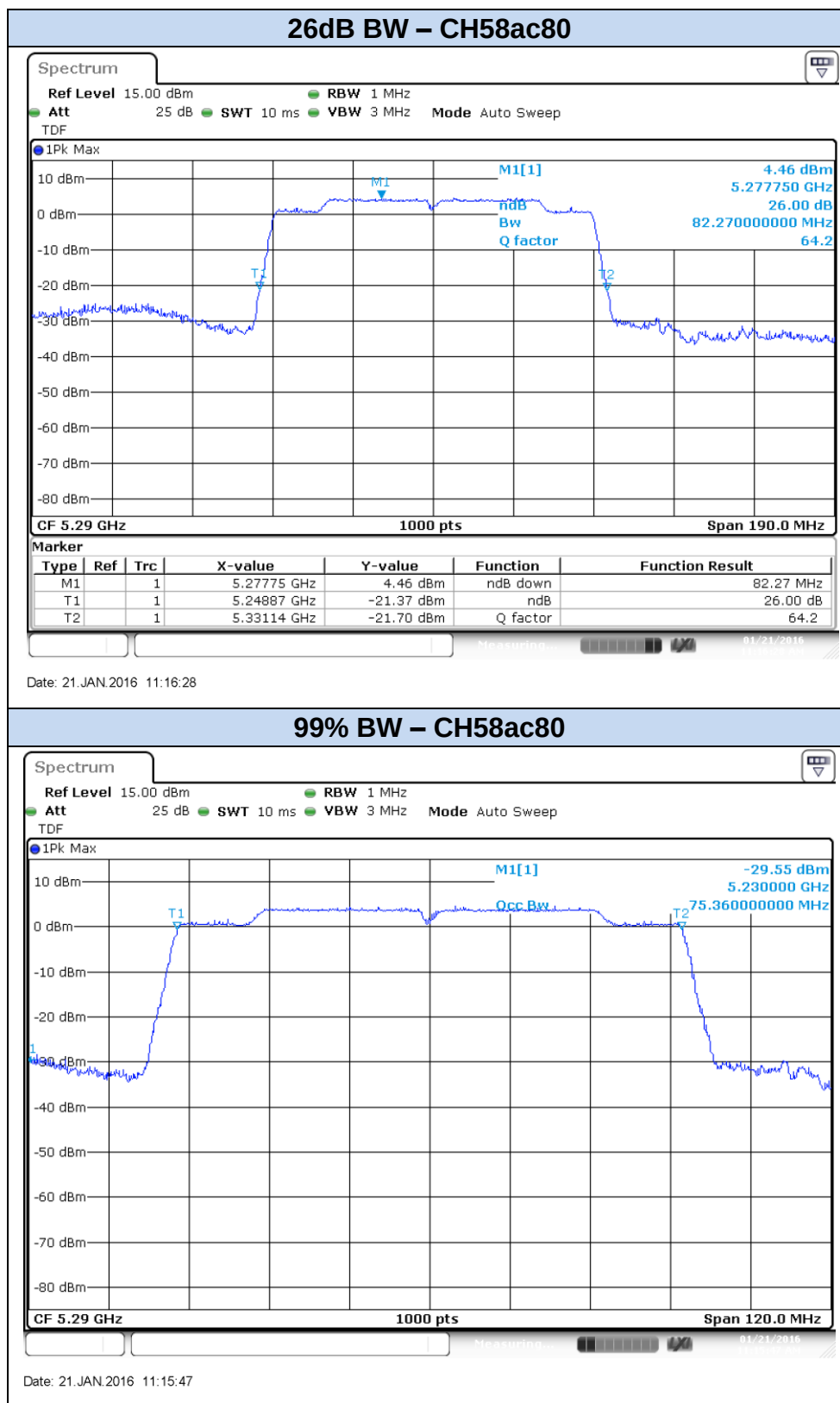


## 802.11n40, HT0 (SISO) – Chain A





## 802.11ac80, VHT0 (SISO) – Chain A



## C.2 Power Limits. Maximum Output power & Peak power spectral density

### Test limits:

| FCC part          | RSS part                    | Limits                                                                                                                                                                                                                                                                                                                                   |
|-------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15.407<br>(a) (2) | RSS-247<br>Clause 6.2.2 (1) | For the 5.25–5.35 GHz and 5.47–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the peak power spectral density shall not exceed 11 dBm in any 1 megahertz band. |

### Test procedure:

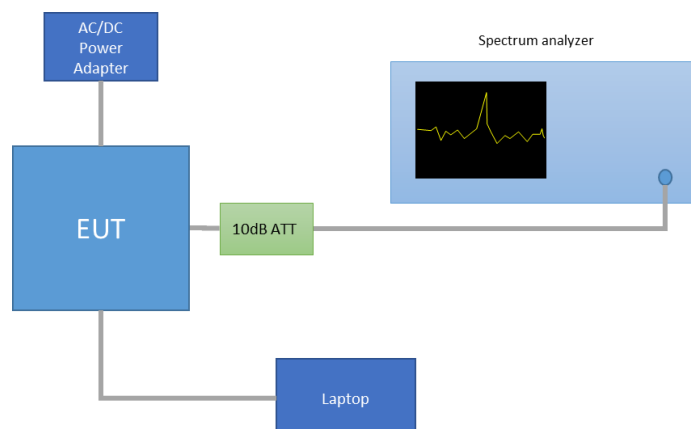
The Maximum Conducted Output Power was measured using the channel integration method according to point E) 2) e) (Method SA-2 Alternative) of KDB 789033 D02.

The maximum power spectral density (PSD) was measured using the method according to point F) (Method SA-2 Alternative) of KDB 789033 D02.

The EIRP power (dBm) is calculated by adding the declared maximum antenna gain to the measured conducted power.

The setup below was used to measure the maximum conducted output power and power spectral density. The antenna terminal of the EUT is connected to the spectrum analyzer through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.

The declared maximum antenna gain is 5dBi.



### Results tables:

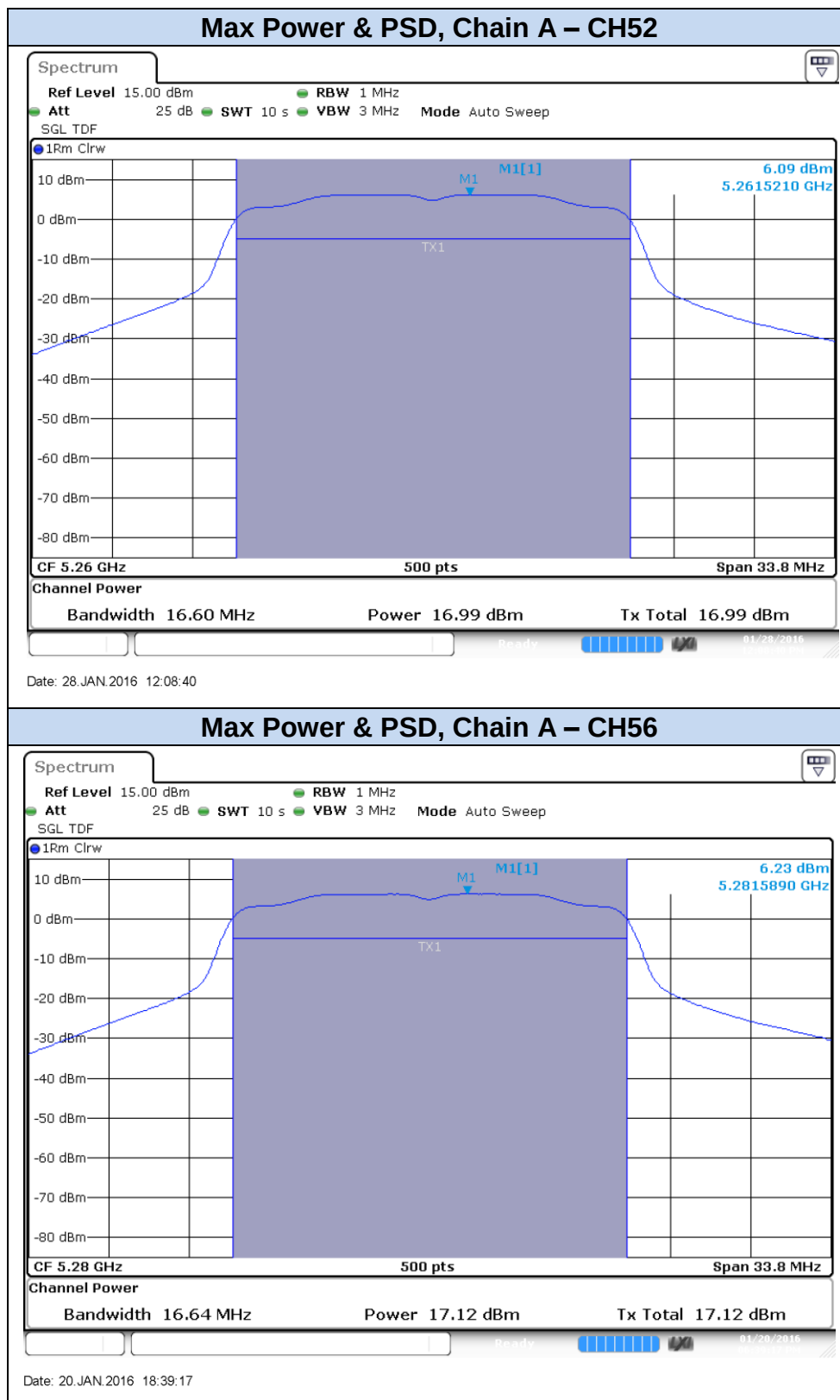
| Mode       | Rate  | Meas<br>Duty<br>Cycle<br>[%] | CH     | Freq<br>[MHz] | Antenna         | Power [dBm]         |                           |       |                                  | Power<br>(mW) |
|------------|-------|------------------------------|--------|---------------|-----------------|---------------------|---------------------------|-------|----------------------------------|---------------|
|            |       |                              |        |               |                 | Meas<br>Cond<br>RMS | Duty cycle<br>Compensated | EIRP  | PSD Duty<br>cycle<br>Compensated |               |
| 802.11a    | 6Mbps | 98.4                         | 52     | 5260          | SISO<br>CHAIN A | 16.99               | 17.06                     | 22.06 | 6.16                             | 50.82         |
|            |       |                              | 56     | 5280          |                 | 17.12               | 17.19                     | 22.19 | 6.30                             | 52.37         |
|            |       |                              | 64     | 5320          |                 | 16.69               | 16.76                     | 21.76 | 5.86                             | 47.43         |
| 802.11n20  | HT0   | 98.6                         | 52     | 5260          |                 | 16.81               | 16.87                     | 21.87 | 5.77                             | 48.67         |
|            |       |                              | 56     | 5280          |                 | 17.19               | 17.25                     | 22.25 | 6.14                             | 53.12         |
|            |       |                              | 64     | 5320          |                 | 16.58               | 16.64                     | 21.64 | 5.53                             | 46.16         |
| 802.11n40  | HT0   | 97.1                         | 54F    | 5270          |                 | 17.03               | 17.16                     | 22.16 | 2.75                             | 52.00         |
|            |       |                              | 62F    | 5310          |                 | 15.57               | 15.70                     | 20.70 | 1.26                             | 37.15         |
| 802.11ac80 | VHT0  | 96.0                         | 58ac80 | 5290          |                 | 13.19               | 13.37                     | 18.37 | -4.05                            | 21.71         |

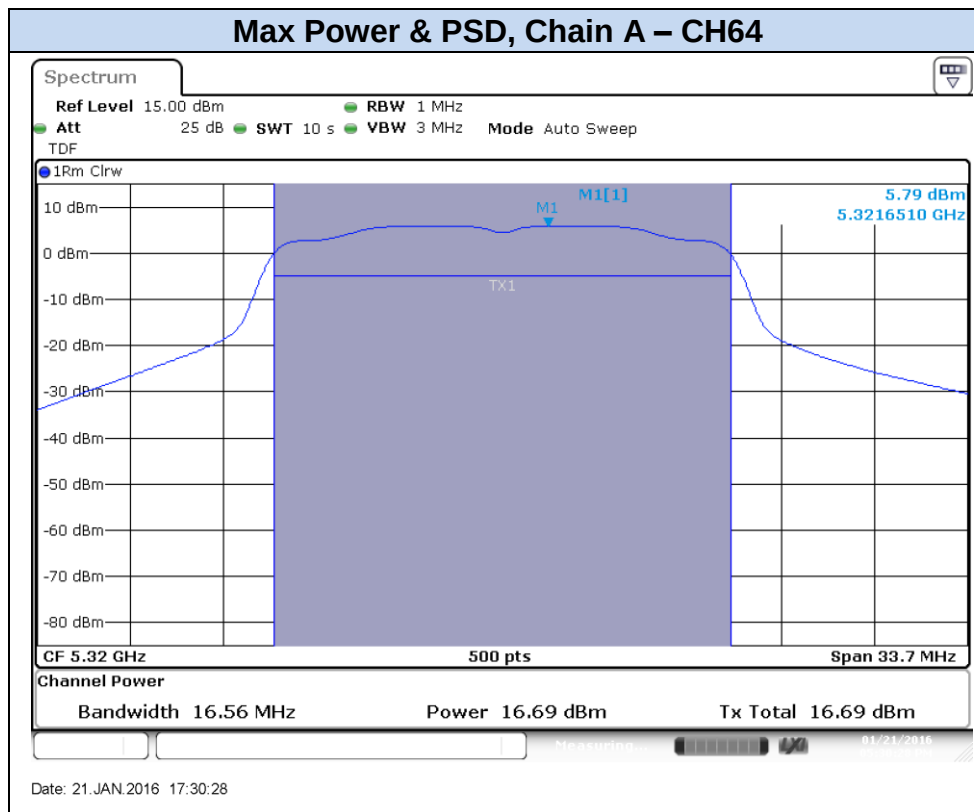
Max Value

Min Value

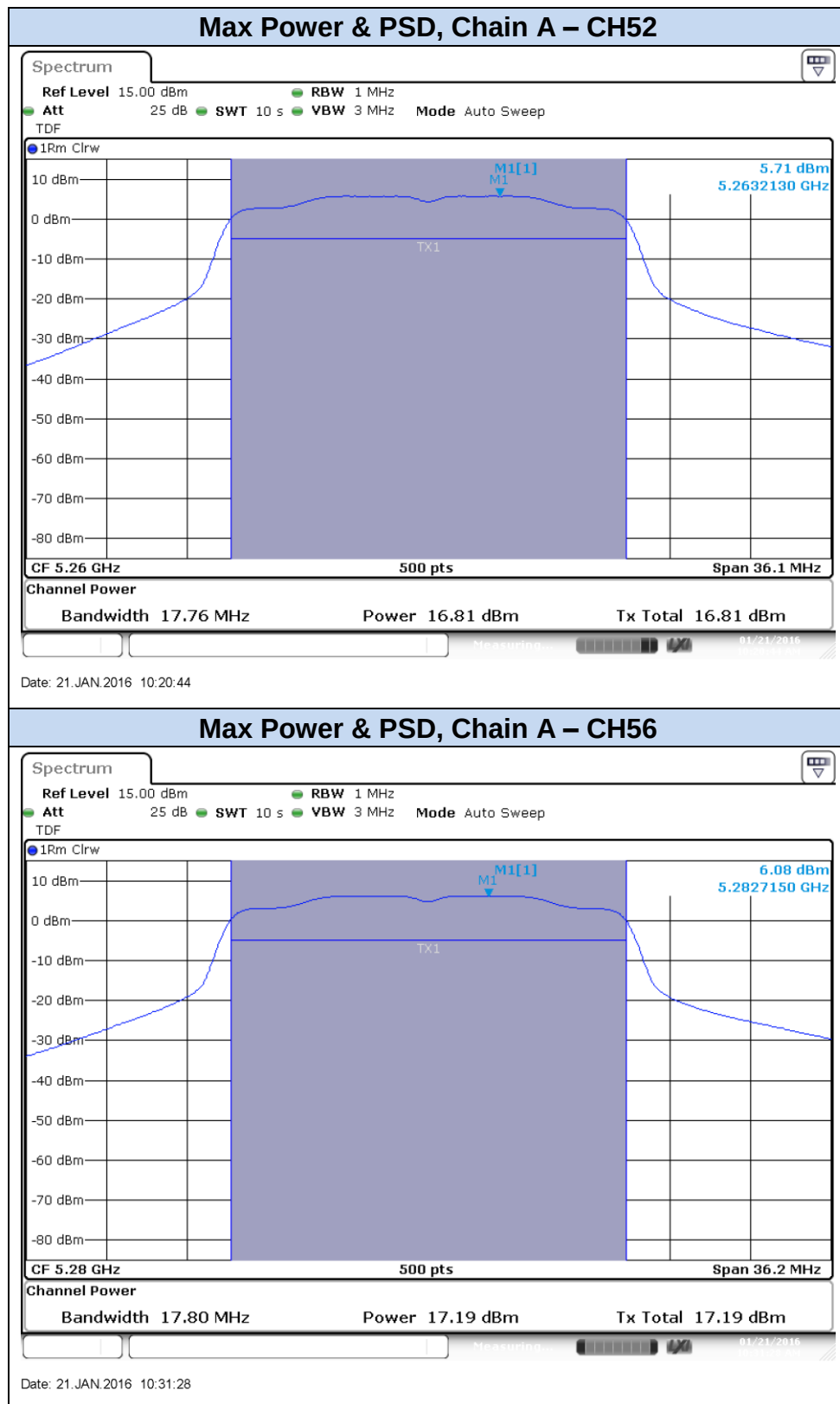
# Results screenshot:

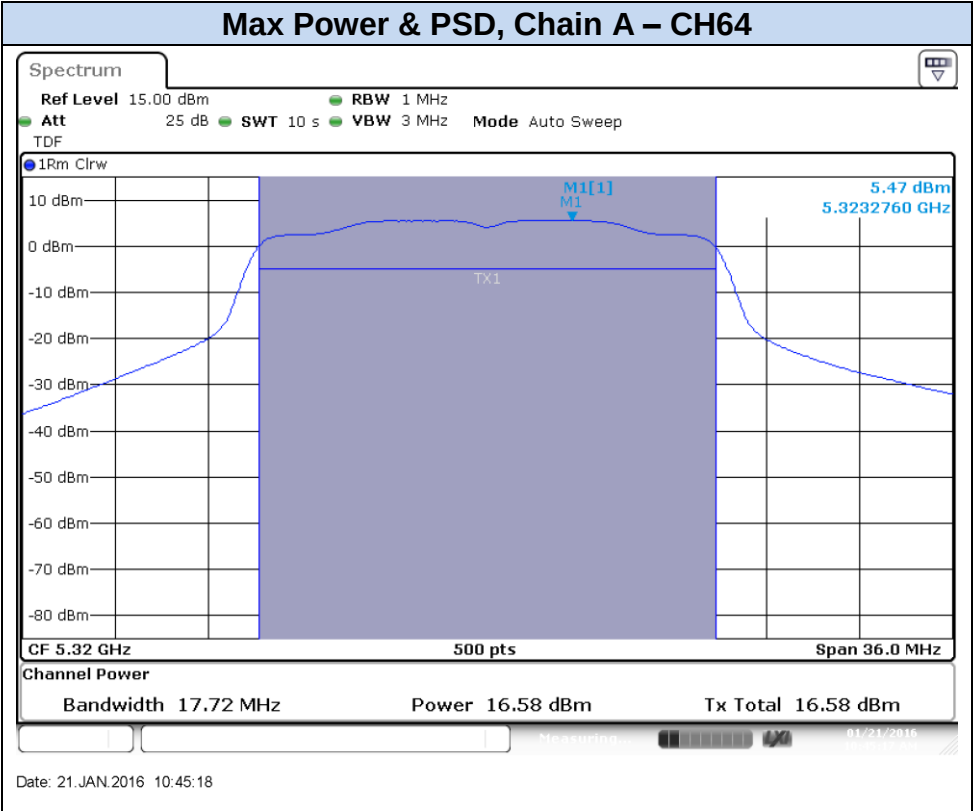
## 802.11a, 6Mbps



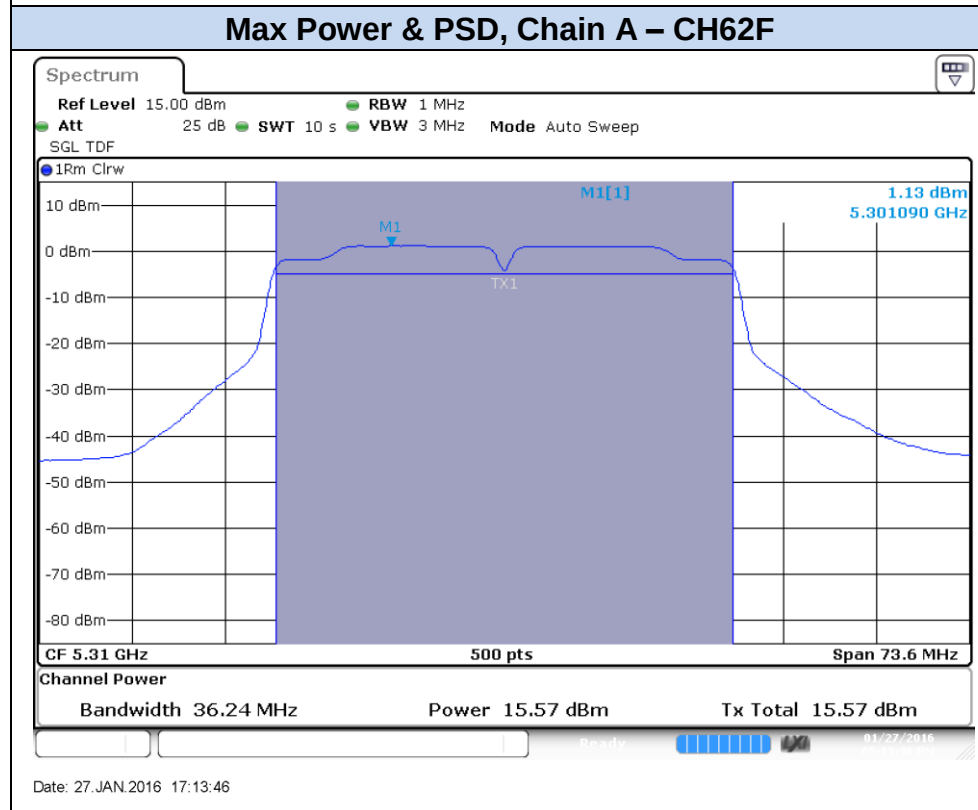
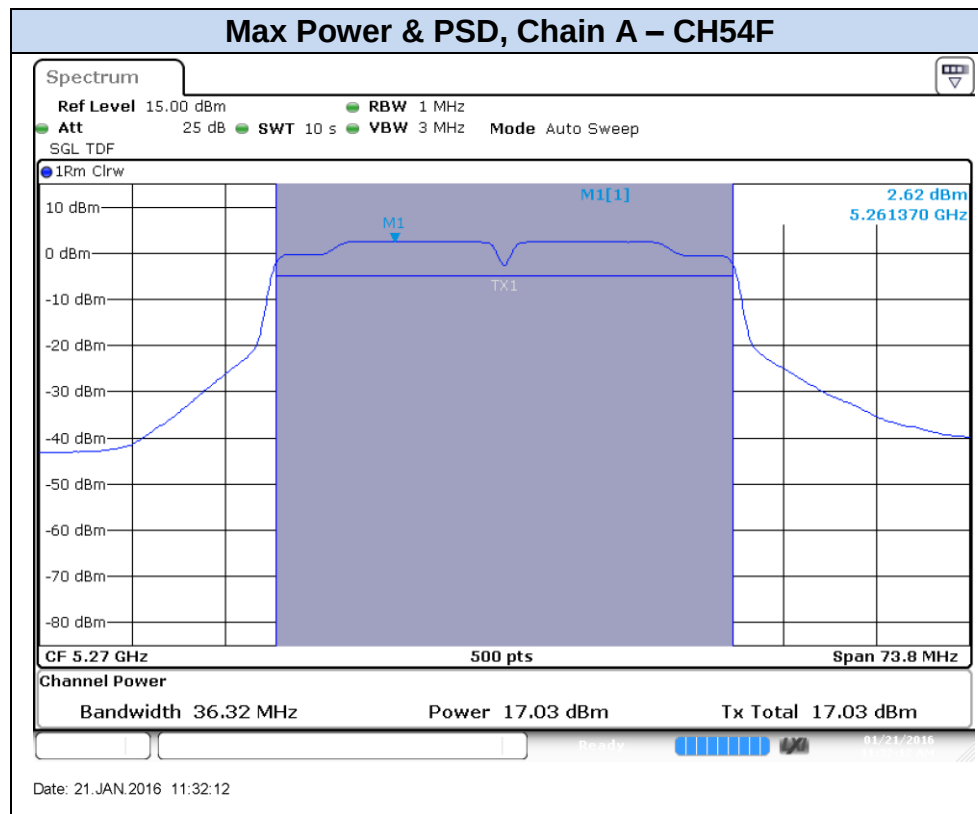


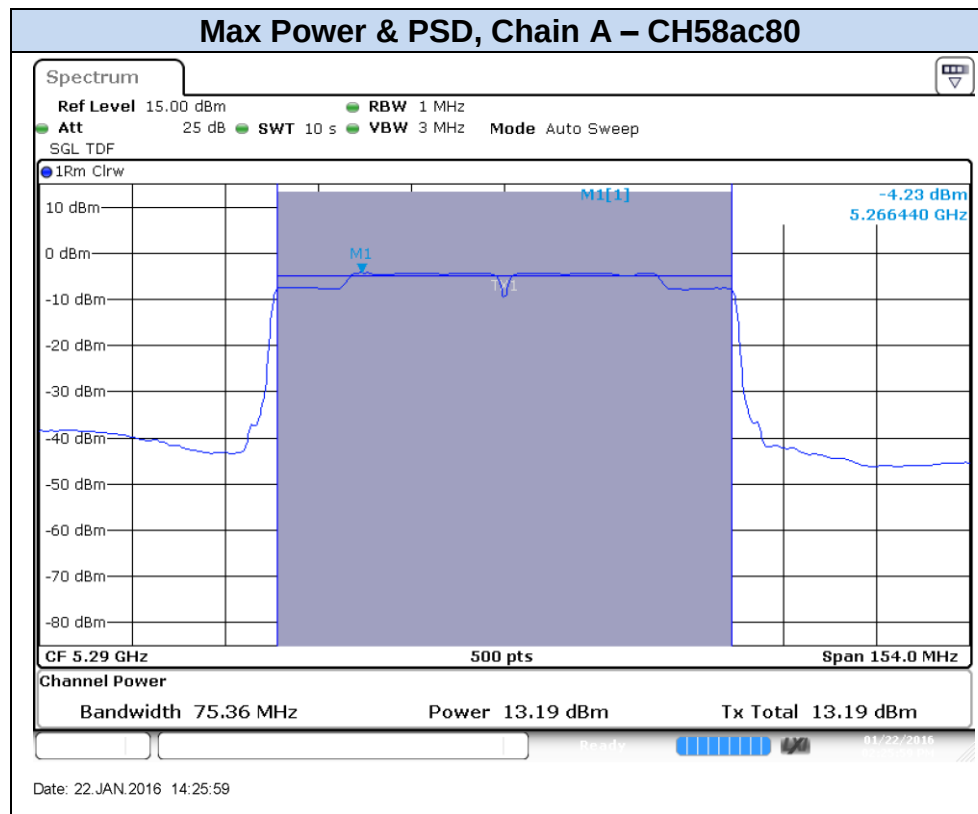
## 802.11n20, HT0





## 802.11n40, HT0



**802.11ac80, VHT0 (SISO)**

### C.3 Undesirable emissions limits: Band Edge (conducted)

#### Test limits:

| FCC part                                                                                                                                                                                                                                                                                   | RSS part                       | Limits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                          |                            |                            |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------|----------------------------|-----------------------|-------------|-------------|---|-----|-------------|--------------|---|-----|------------|----|---|----|-------|-----|----|---|--------|-----|------|---|---------|-----|----|---|-----------|-----|----|---|
| 15.407 (b)<br>(2)                                                                                                                                                                                                                                                                          | RSS-247<br>Clause<br>6.2.2 (2) | For transmitters operating in the 5.25–5.35 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |                            |                            |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
| 15.209                                                                                                                                                                                                                                                                                     | RSS-247<br>Clause<br>6.2.2 (2) | Radiated 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):                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          |                            |                            |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
|                                                                                                                                                                                                                                                                                            |                                | <table><tr><th>Freq Range<br/>(MHz)</th><th>Field Strength<br/>(μV/m)</th><th>Field Strength<br/>(dBμV/m)</th><th>Meas. Distance<br/>(m)</th></tr><tr><td>0.009-0.490</td><td>2400/f(kHz)</td><td>-</td><td>300</td></tr><tr><td>0.490-1.705</td><td>24000/f(kHz)</td><td>-</td><td>300</td></tr><tr><td>1.705-30.0</td><td>30</td><td>-</td><td>30</td></tr><tr><td>30-88</td><td>100</td><td>40</td><td>3</td></tr><tr><td>88-216</td><td>150</td><td>43.5</td><td>3</td></tr><tr><td>216-960</td><td>200</td><td>46</td><td>3</td></tr><tr><td>Above 960</td><td>500</td><td>54</td><td>3</td></tr></table> | Freq Range<br>(MHz)      | Field Strength<br>(μV/m)   | Field Strength<br>(dBμV/m) | Meas. Distance<br>(m) | 0.009-0.490 | 2400/f(kHz) | - | 300 | 0.490-1.705 | 24000/f(kHz) | - | 300 | 1.705-30.0 | 30 | - | 30 | 30-88 | 100 | 40 | 3 | 88-216 | 150 | 43.5 | 3 | 216-960 | 200 | 46 | 3 | Above 960 | 500 | 54 | 3 |
|                                                                                                                                                                                                                                                                                            |                                | Freq Range<br>(MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Field Strength<br>(μV/m) | Field Strength<br>(dBμV/m) | Meas. Distance<br>(m)      |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
|                                                                                                                                                                                                                                                                                            |                                | 0.009-0.490                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2400/f(kHz)              | -                          | 300                        |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
|                                                                                                                                                                                                                                                                                            |                                | 0.490-1.705                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 24000/f(kHz)             | -                          | 300                        |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
|                                                                                                                                                                                                                                                                                            |                                | 1.705-30.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 30                       | -                          | 30                         |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
|                                                                                                                                                                                                                                                                                            |                                | 30-88                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 100                      | 40                         | 3                          |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
|                                                                                                                                                                                                                                                                                            |                                | 88-216                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 150                      | 43.5                       | 3                          |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
|                                                                                                                                                                                                                                                                                            |                                | 216-960                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 200                      | 46                         | 3                          |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
|                                                                                                                                                                                                                                                                                            |                                | Above 960                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 500                      | 54                         | 3                          |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
| The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                            |                            |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
| For average radiated emission measurements above 1000 MHz, there is also a limit specified when measuring with peak detector function, corresponding to 20 dB above the indicated values in the table.                                                                                     |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                            |                            |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
|                                                                                                                                                                                                                                                                                            |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                            |                            |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
|                                                                                                                                                                                                                                                                                            |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                            |                            |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
|                                                                                                                                                                                                                                                                                            |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                            |                            |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
|                                                                                                                                                                                                                                                                                            |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                            |                            |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
|                                                                                                                                                                                                                                                                                            |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                            |                            |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |
|                                                                                                                                                                                                                                                                                            |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                            |                            |                       |             |             |   |     |             |              |   |     |            |    |   |    |       |     |    |   |        |     |      |   |         |     |    |   |           |     |    |   |

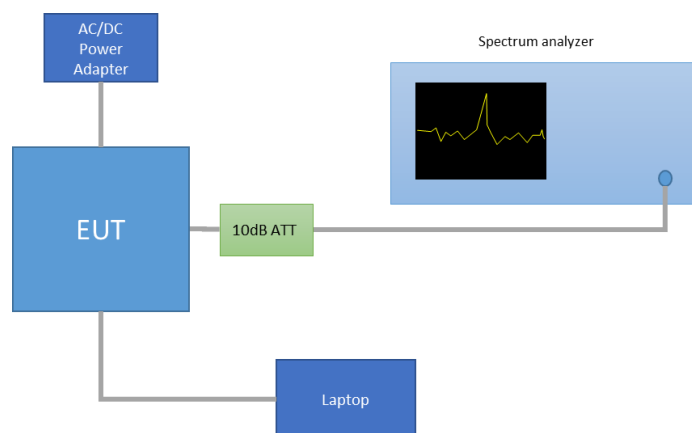
#### Test procedure:

The setup below was used to measure undesirable emissions on the Band Edge domain. The antenna terminal of the EUT is connected to the spectrum analyzer through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss and the declared Antenna Gain.

The Band Edge High, was measured using the method according to point G) 3) d) (ii) (Integration Method) of KDB 789033 D02. This measurement performs a band-power integration across the 1MHz in which the band-edge emission level has to be measured

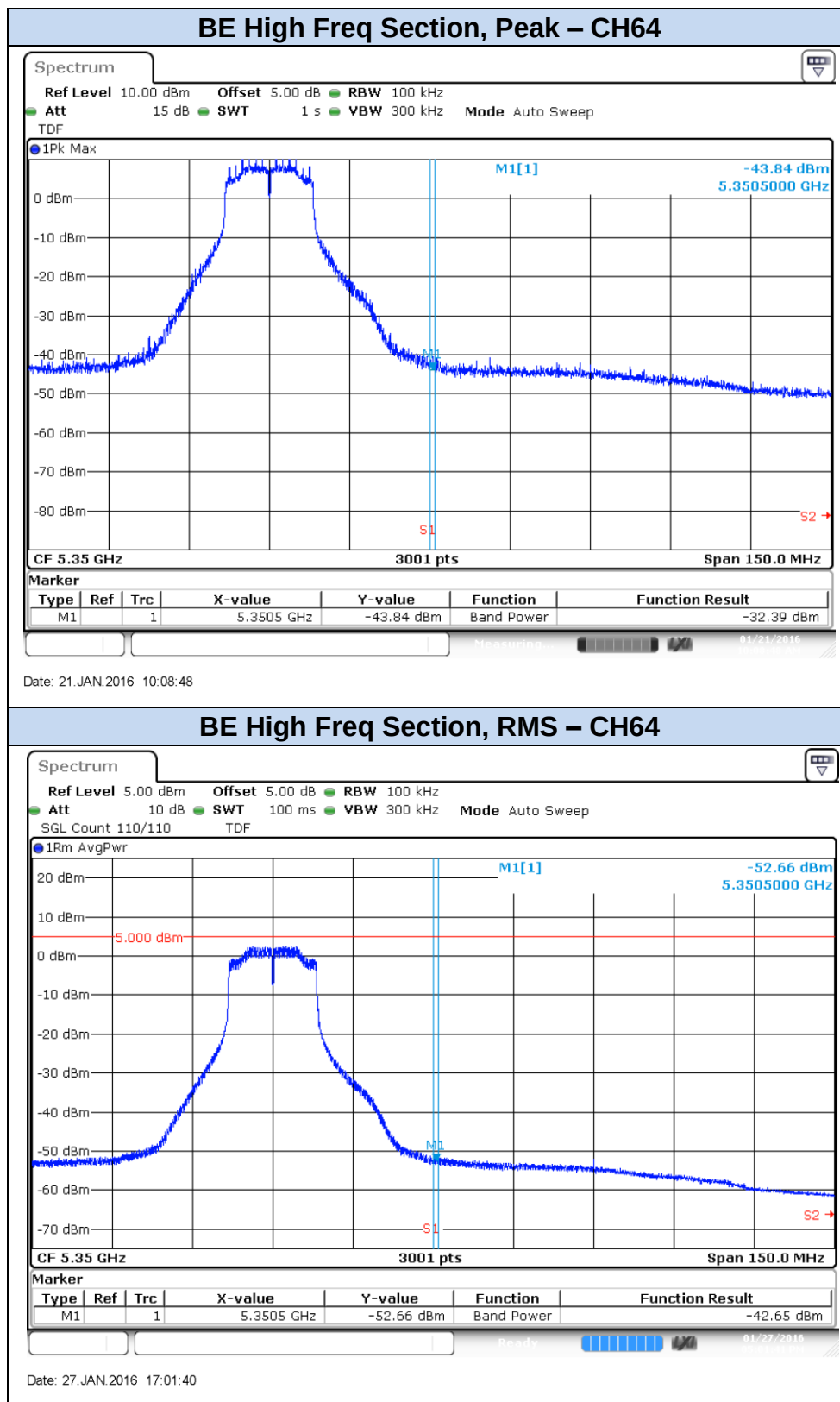
In case of Band Edge measurements falling in restricted bands, the declared Antenna Gain is also compensated in the graph.

The declared maximum antenna gain is 5dBi.

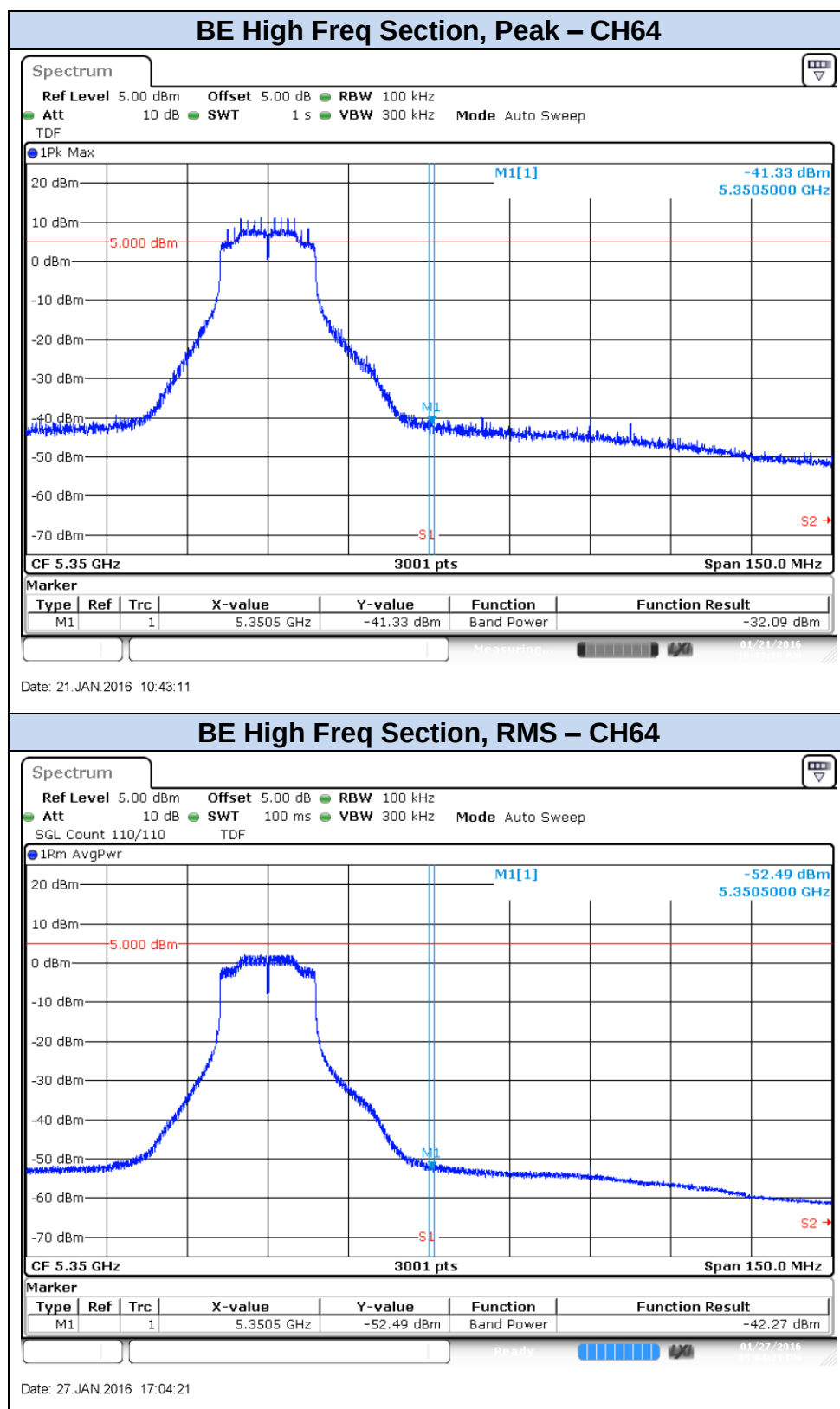


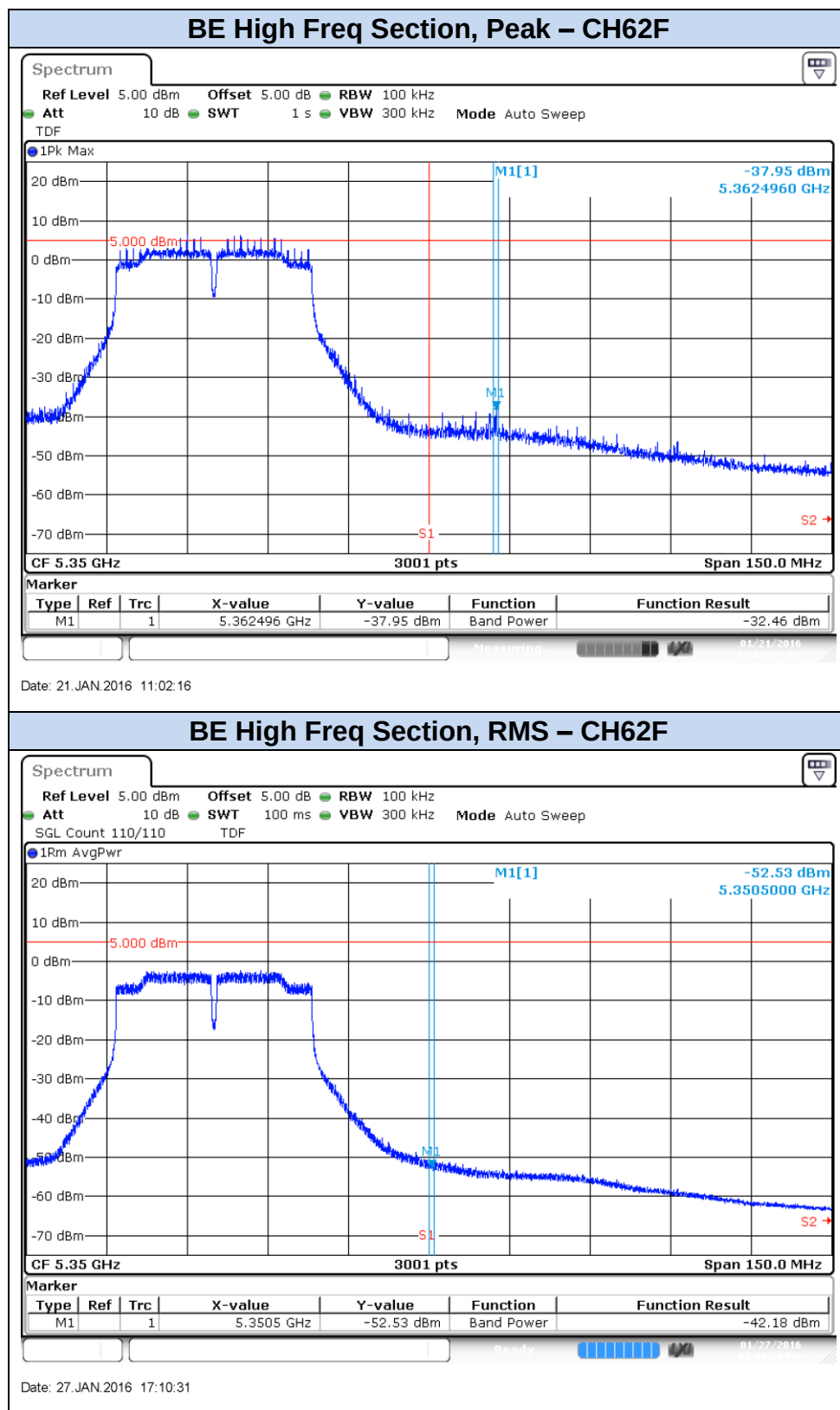
The following limits in dBm were applied for the average detector after the conversion from the limits detailed above in dB $\mu$ V/m, according to FCC 47 CFR part 15 - Subpart C – §15.209(a). The limits in dBm for peak detector are 20dB above the indicated values in the table.

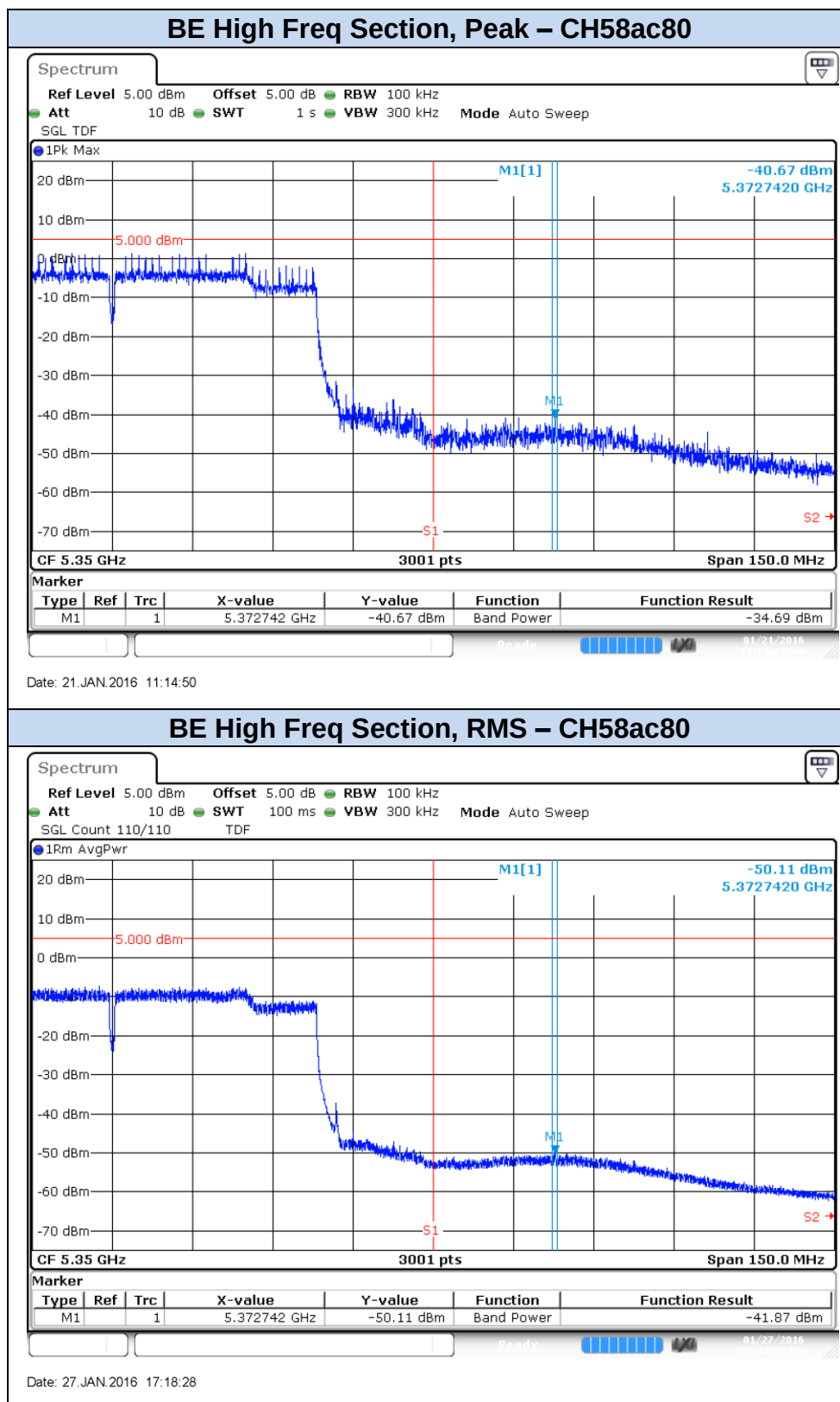
| §15.209(a)       |              |                                   | Converted values                     |             |
|------------------|--------------|-----------------------------------|--------------------------------------|-------------|
| Freq Range (MHz) | Distance (m) | Field strength (microvolts/meter) | Field strength (dB microvolts/meter) | Power (dBm) |
| 960-25000        | 3            | 500                               | 53.98                                | -41.2       |

**Results Screenshot:****802.11a, 6Mbps – Chain A**

## 802.11n20, HT0 – Chain A



**802.11n40, HT0 – Chain A**

**802.11ac80, VHT0 – Chain A**

## C.4 Radiated spurious emission

### Standard references:

| FCC part                 | RSS part                       | Limits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                         |                    |
|--------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------------------|--------------------|
| 15.407 (b) (2)<br>15.209 | RSS-247<br>Clause 6.2.2<br>(2) | Radiated 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):                                                                                                                                                                                                                                                                                                                                         |                       |                         |                    |
|                          |                                | Freq Range (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Field Strength (μV/m) | Field Strength (dBμV/m) | Meas. Distance (m) |
|                          |                                | 0.009-0.490                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2400/f(kHz)           | -                       | 300                |
|                          |                                | 0.490-1.705                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 24000/f(kHz)          | -                       | 300                |
|                          |                                | 1.705-30.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 30                    | -                       | 30                 |
|                          |                                | 30-88                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 100                   | 40                      | 3                  |
|                          |                                | 88-216                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 150                   | 43.5                    | 3                  |
|                          |                                | 216-960                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 200                   | 46                      | 3                  |
|                          |                                | Above 960                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 500                   | 54                      | 3                  |
|                          |                                | The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.<br>For average radiated emission measurements above 1000 MHz, there is also a limit specified when measuring with peak detector function, corresponding to 20 dB above the indicated values in the table. |                       |                         |                    |

### Test procedure:

The below setups were used to measure the radiated spurious emissions.

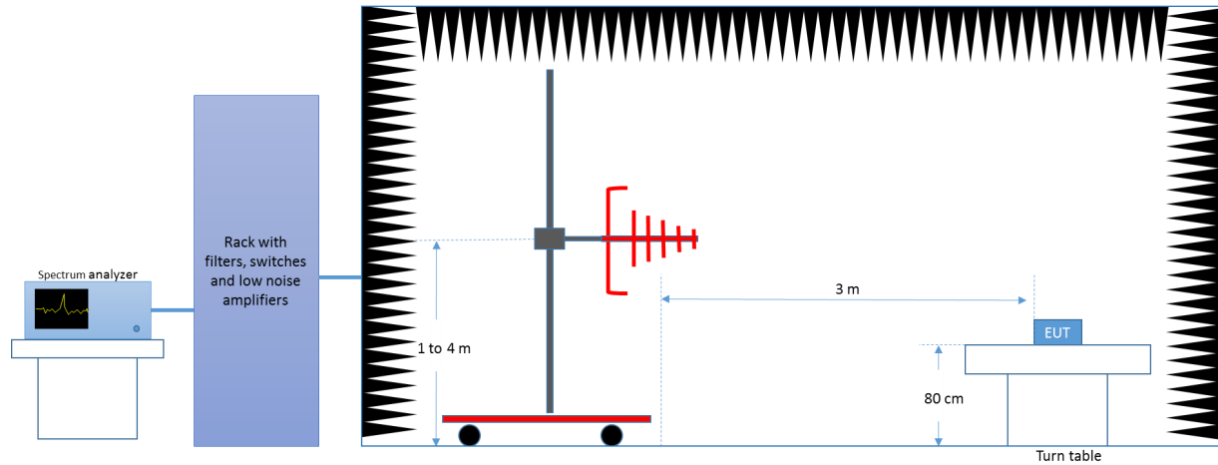
Depending of the frequency range and bands being tested, different antennas and filters were used.

The final measurement is done by varying the antenna height from 1 to 4 meters, the EUT azimuth over 360° and for both Vertical and Horizontal polarizations.

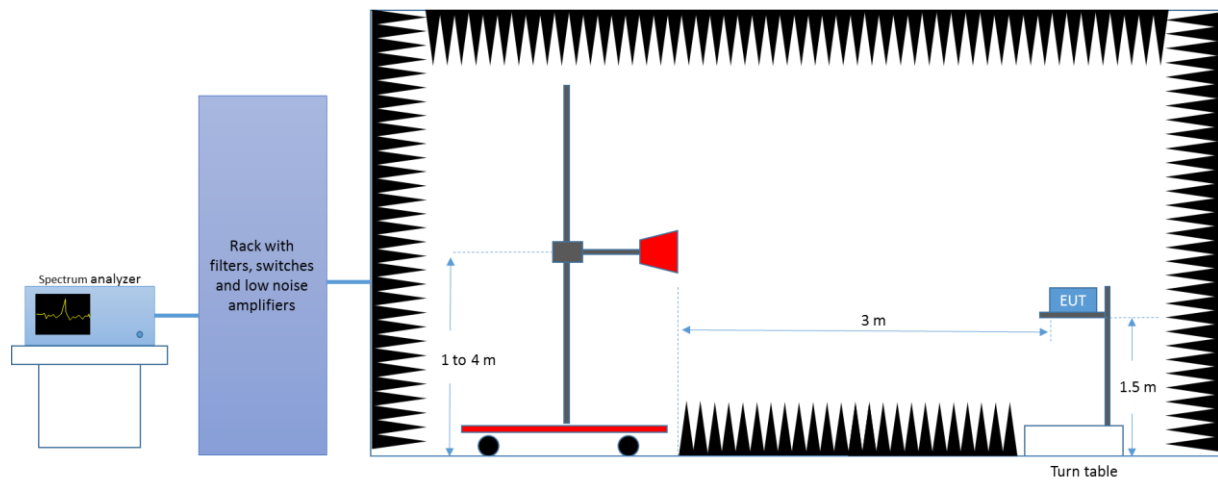
The radiated spurious emissions were measured on the worst case configuration selected from the chapter 0

*Power Limits. Maximum Output power & Peak power spectral density and using the lowest, middle and highest channels.*

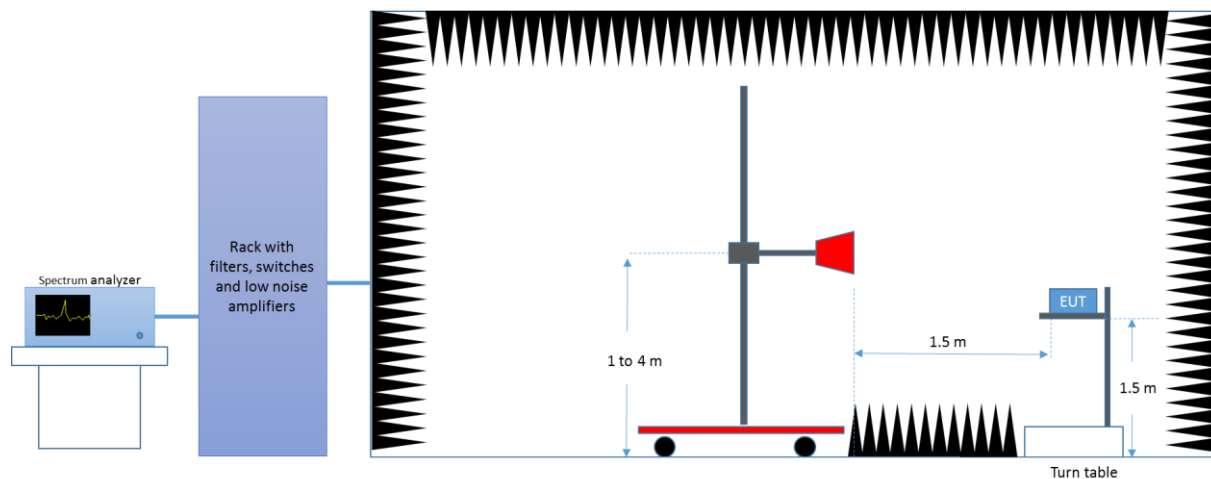
### *Radiated Setup < 1GHz*



### *Radiated Setup 1 GHz - 18 GHz*



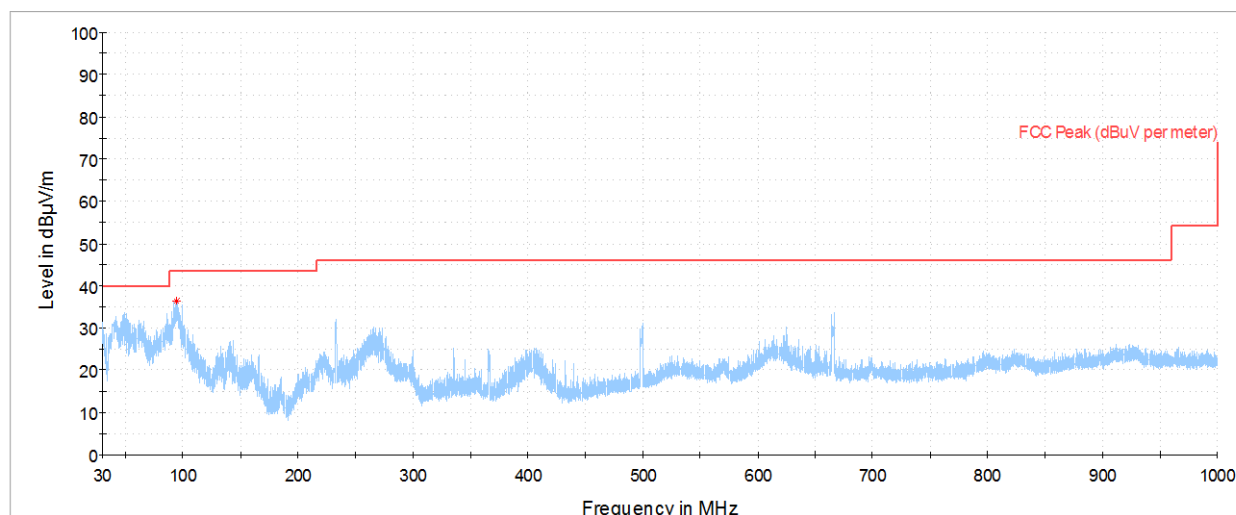
### *Radiated Setup > 18 GHz*



**Test Results:**

**Radiated Spurious – 30MHz to 1GHz**

**Radiated Spurious – All modes**



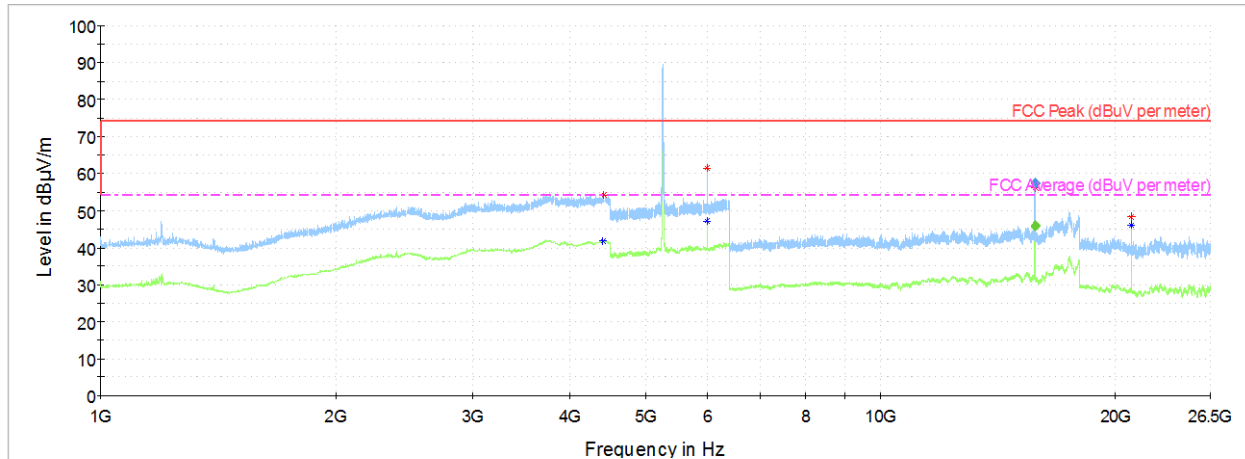
— Peak measurements — Limit FCC Peak

| Frequency | MaxPeak | Limit | Margin |
|-----------|---------|-------|--------|
| MHz       | dBm     | dBm   | dB     |
| 94.87     | 36.40   | 43.56 | 7.15   |

**Note 1:** The spurious signals detected do not depend on either the operating channel or the modulation mode.

## 1 GHz – 26.5GHz, 802.11a, Chain A

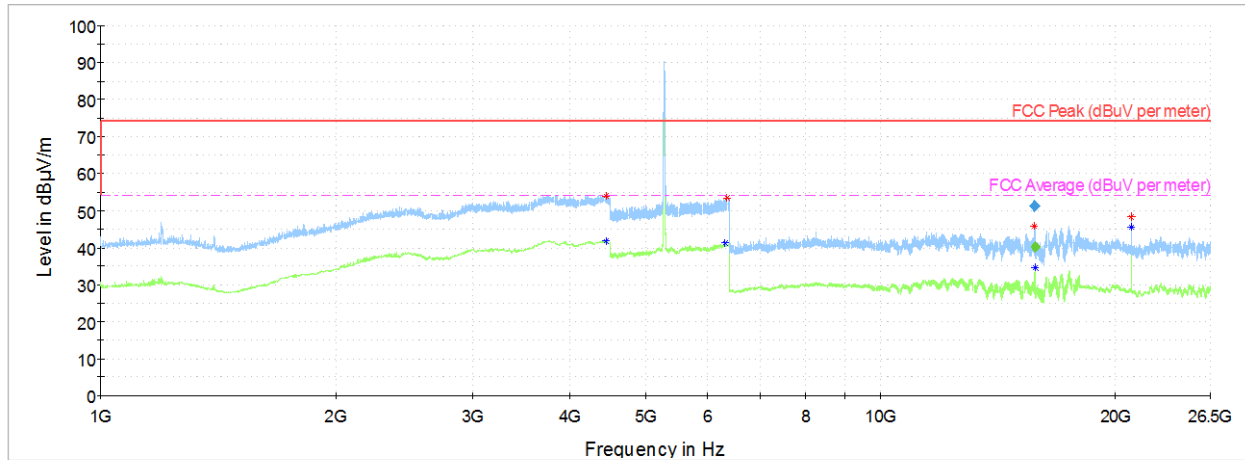
### Radiated Spurious – CH52



— Peak measurements     
 — AVG measurements     
 — Limit FCC Peak     
 - - Limit FCC Avg

| Frequency | MaxPeak | Avg    | Limit  | Margin |
|-----------|---------|--------|--------|--------|
| MHz       | dBuV/m  | dBuV/m | dBuV/m | dB     |
| 4409.44   | ---     | 41.76  | 54.06  | 12.29  |
| 4418.19   | 54.16   | ---    | 74.06  | 19.90  |
| 5992.28   | ---     | 47.24  | 54.06  | 6.81   |
| 5995.65   | 61.51   | ---    | 74.06  | 12.55  |
| 15777.44  | ---     | 45.66  | 54.06  | 8.39   |
| 15788.46  | 56.00   | ---    | 74.06  | 18.06  |
| 20959.93  | 48.20   | ---    | 74.06  | 25.86  |
| 20959.93  | ---     | 46.01  | 54.06  | 8.04   |

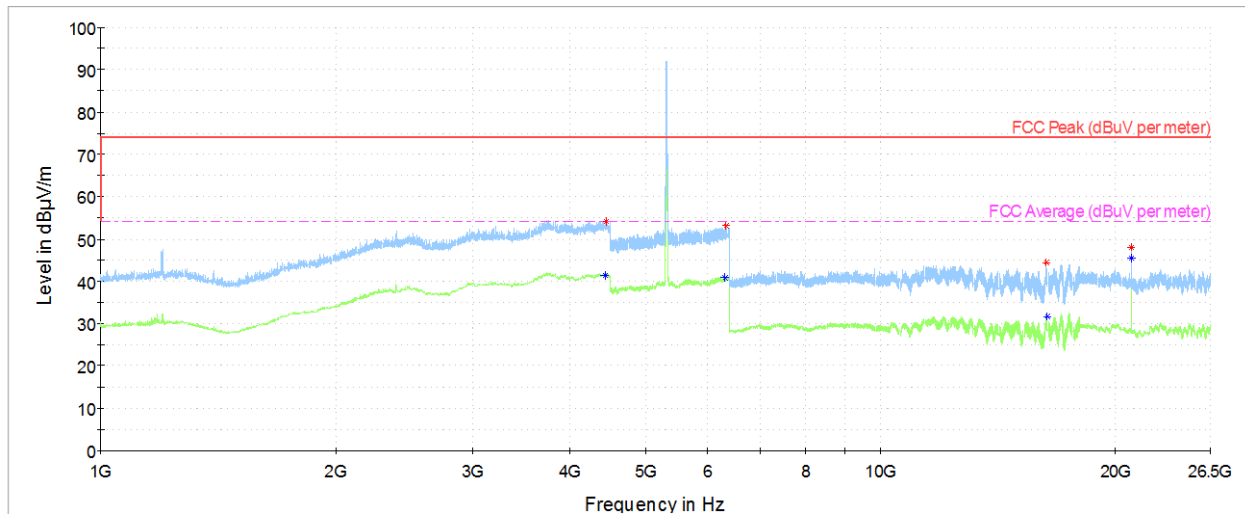
## Radiated Spurious – CH56



— Peak measurements     
 — AVG measurements     
 — Limit FCC Peak     
 - - - Limit FCC Avg

| Frequency | MaxPeak | Avg    | Limit  | Margin |
|-----------|---------|--------|--------|--------|
| MHz       | dBuV/m  | dBuV/m | dBuV/m | dB     |
| 4443.56   | 53.81   | ---    | 74.06  | 20.25  |
| 4453.63   | ---     | 41.91  | 54.06  | 12.15  |
| 6317.70   | ---     | 41.13  | 54.06  | 12.93  |
| 6359.41   | 53.47   | ---    | 74.06  | 20.58  |
| 15774.54  | 45.87   | ---    | 74.06  | 28.19  |
| 15780.34  | ---     | 34.61  | 54.06  | 19.44  |
| 20959.93  | ---     | 45.68  | 54.06  | 8.38   |
| 20959.93  | 48.38   | ---    | 74.06  | 25.68  |

## Radiated Spurious – CH64

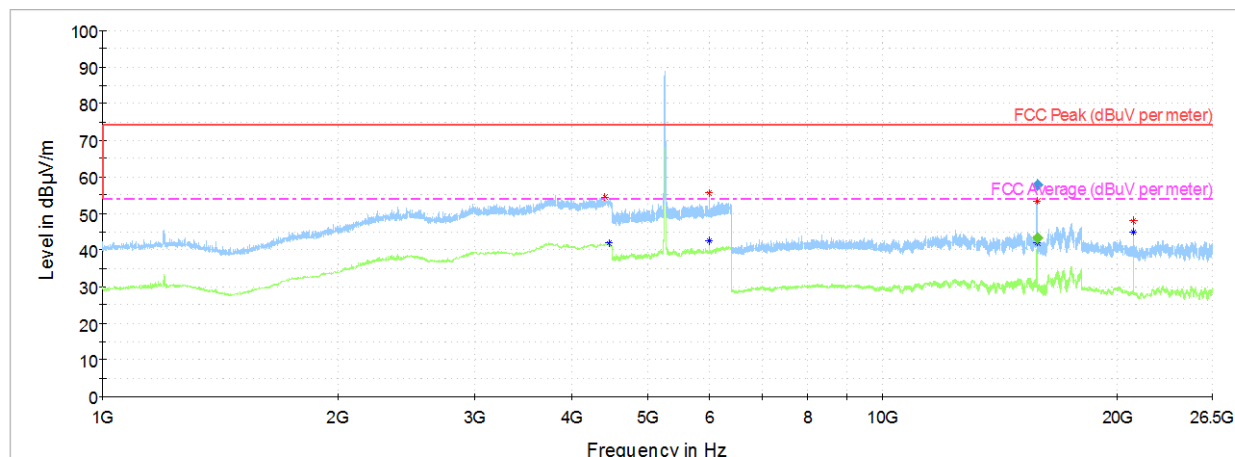


— Peak measurements     
 — AVG measurements     
 — Limit FCC Peak     
 - - - Limit FCC Avg

| Frequency | MaxPeak | Avg    | Limit  | Margin |
|-----------|---------|--------|--------|--------|
| MHz       | dBuV/m  | dBuV/m | dBuV/m | dB     |
| 4437.88   | ---     | 41.49  | 54.06  | 12.57  |
| 4447.06   | 54.18   | ---    | 74.06  | 19.88  |
| 6322.27   | ---     | 40.79  | 54.06  | 13.27  |
| 6343.69   | 53.19   | ---    | 74.06  | 20.87  |
| 16317.42  | 44.43   | ---    | 74.06  | 29.63  |
| 16351.06  | ---     | 31.77  | 54.06  | 22.29  |
| 20959.93  | ---     | 45.43  | 54.06  | 8.63   |
| 20959.93  | 47.99   | ---    | 74.06  | 26.07  |

# 1 GHz – 26.5GHz, 802.11n20, Chain A

## Radiated Spurious – CH52



Peak measurements

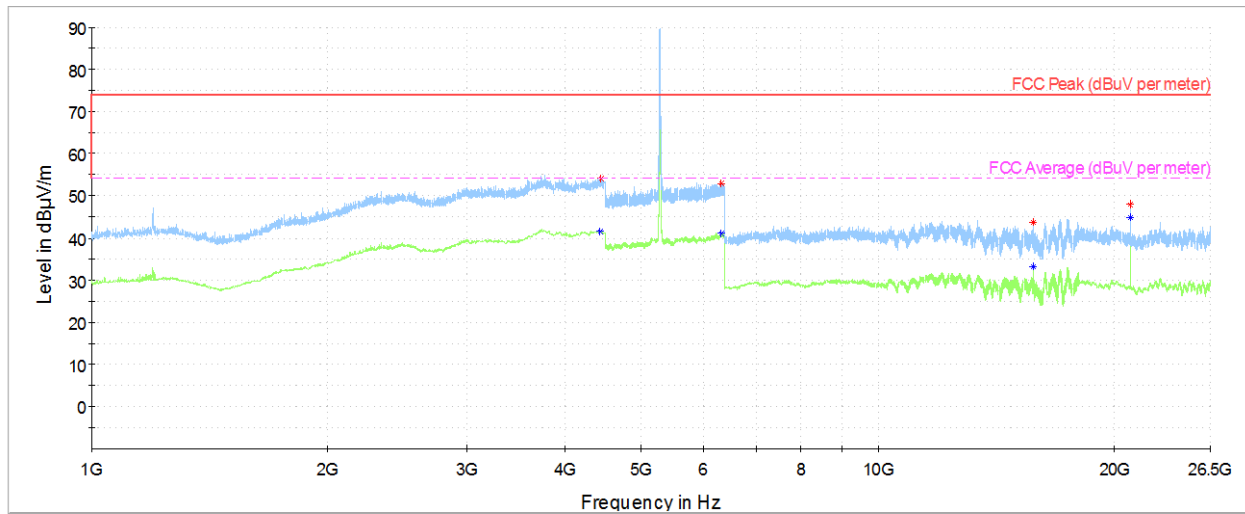
AVG measurements

Limit FCC Peak

Limit FCC Avg

| Frequency | MaxPeak | Avg    | Limit  | Margin |
|-----------|---------|--------|--------|--------|
| MHz       | dBuV/m  | dBuV/m | dBuV/m | dB     |
| 4408.56   | 54.45   | ---    | 74.06  | 19.61  |
| 4455.38   | ---     | 42.01  | 54.06  | 12.04  |
| 5990.55   | ---     | 42.45  | 54.06  | 11.61  |
| 5996.60   | 55.58   | ---    | 74.06  | 18.47  |
| 15783.82  | 57.78   | ---    | 74.06  | 16.28  |
| 15783.82  | ---     | 43.25  | 54.06  | 10.81  |
| 20959.93  | ---     | 44.83  | 54.06  | 9.23   |
| 20959.93  | 48.02   | ---    | 74.06  | 26.04  |

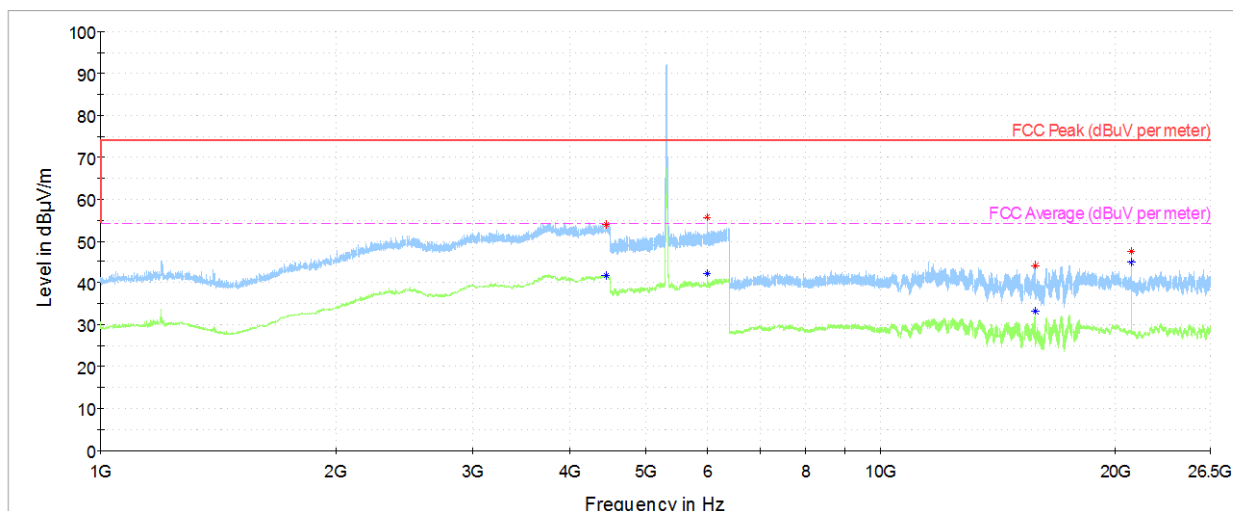
## Radiated Spurious – CH56



— Peak measurements     
 — AVG measurements     
 — Limit FCC Peak     
 - - - Limit FCC Avg

| Frequency | MaxPeak | Avg    | Limit  | Margin |
|-----------|---------|--------|--------|--------|
| MHz       | dBuV/m  | dBuV/m | dBuV/m | dB     |
| 4437.00   | ---     | 41.50  | 54.06  | 12.56  |
| 4441.38   | 54.03   | ---    | 74.06  | 20.03  |
| 6316.14   | 52.86   | ---    | 74.06  | 21.19  |
| 6322.19   | ---     | 40.98  | 54.06  | 13.07  |
| 15780.92  | 43.73   | ---    | 74.06  | 30.33  |
| 15783.82  | ---     | 33.29  | 54.06  | 20.77  |
| 20959.93  | 47.91   | ---    | 74.06  | 26.15  |
| 20959.93  | ---     | 44.89  | 54.06  | 9.17   |

## Radiated Spurious – CH64

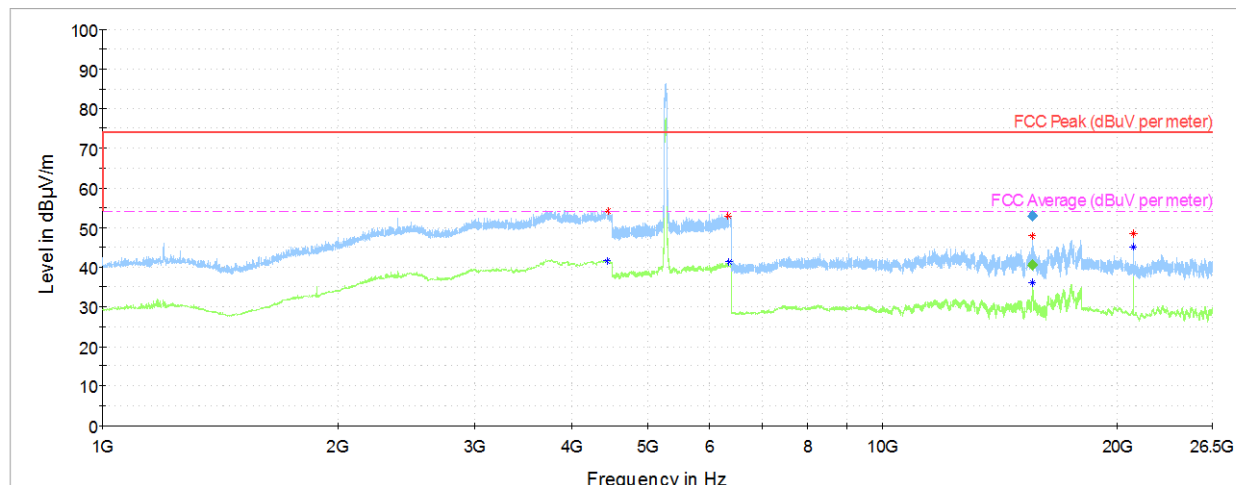


— Peak measurements    
 — AVG measurements    
 — Limit FCC Peak    
 - - - Limit FCC Avg

| Frequency | MaxPeak | Avg    | Limit  | Margin |
|-----------|---------|--------|--------|--------|
| MHz       | dBuV/m  | dBuV/m | dBuV/m | dB     |
| 4445.31   | ---     | 41.75  | 54.06  | 12.31  |
| 4447.06   | 53.96   | ---    | 74.06  | 20.10  |
| 5995.30   | ---     | 42.35  | 54.06  | 11.71  |
| 5995.82   | 55.59   | ---    | 74.06  | 18.46  |
| 15783.82  | ---     | 33.16  | 54.06  | 20.90  |
| 15783.82  | 44.19   | ---    | 74.06  | 29.87  |
| 20959.93  | ---     | 44.84  | 54.06  | 9.21   |
| 20959.93  | 47.42   | ---    | 74.06  | 26.64  |

# 1 GHz – 26.5GHz, 802.11n40, Chain A

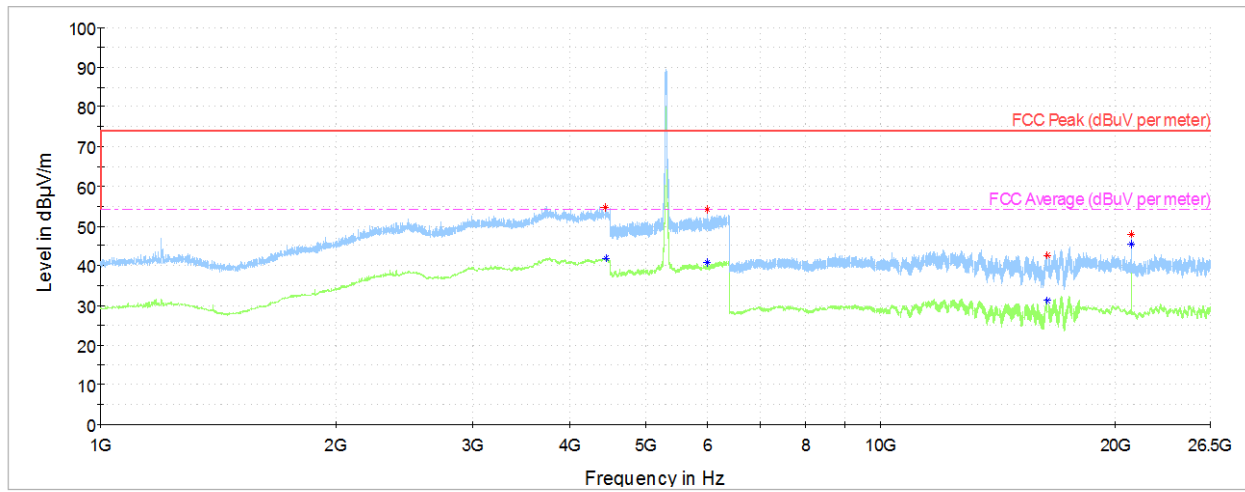
## Radiated Spurious – CH54F



— Peak measurements     
 — AVG measurements     
 — Limit FCC Peak     
 - - - Limit FCC Avg

| Frequency | MaxPeak | Avg    | Limit  | Margin |
|-----------|---------|--------|--------|--------|
| MHz       | dBuV/m  | dBuV/m | dBuV/m | dB     |
| 4436.56   | ---     | 41.57  | 54.06  | 12.49  |
| 4444.00   | 54.26   | ---    | 74.06  | 19.79  |
| 6334.54   | 52.92   | ---    | 74.06  | 21.14  |
| 6356.82   | ---     | 41.19  | 54.06  | 12.87  |
| 15559.36  | ---     | 40.68  | 54.06  | 13.38  |
| 15579.66  | 52.81   | ---    | 74.06  | 21.25  |
| 20959.93  | ---     | 45.07  | 54.06  | 8.98   |
| 20959.93  | 48.26   | ---    | 74.06  | 25.80  |

## Radiated Spurious – CH62F

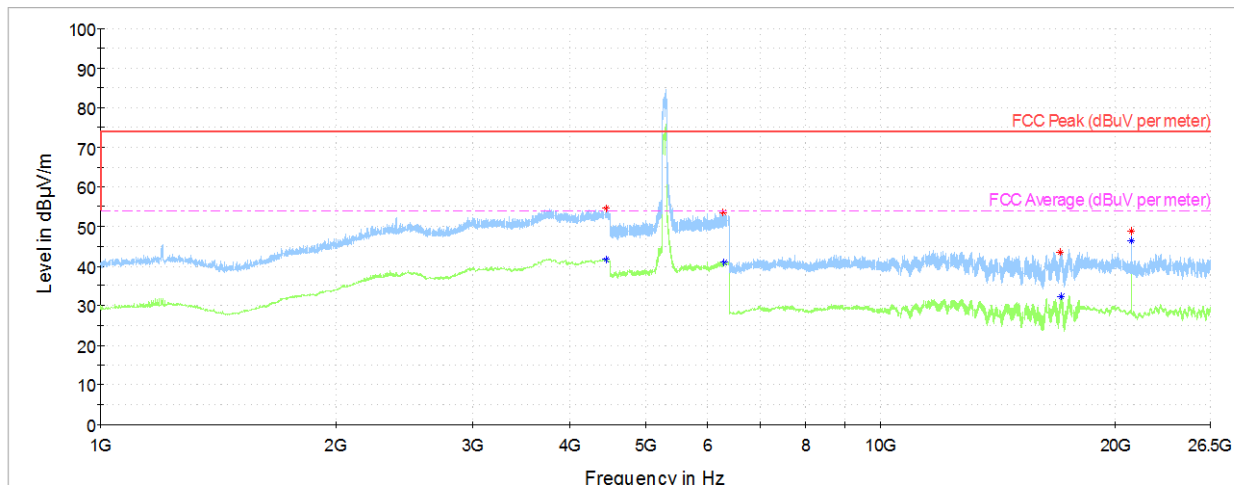


— Peak measurements     
 — AVG measurements     
 — Limit FCC Peak     
 - - - Limit FCC Avg

| Frequency | MaxPeak | Avg    | Limit  | Margin |
|-----------|---------|--------|--------|--------|
| MHz       | dBuV/m  | dBuV/m | dBuV/m | dB     |
| 4437.00   | 54.56   | ---    | 74.06  | 19.49  |
| 4451.88   | ---     | 41.83  | 54.06  | 12.23  |
| 5987.87   | 54.14   | ---    | 74.06  | 19.92  |
| 5997.11   | ---     | 40.70  | 54.06  | 13.36  |
| 16347.58  | 42.53   | ---    | 74.06  | 31.53  |
| 16351.06  | ---     | 31.32  | 54.06  | 22.74  |
| 20959.93  | 47.76   | ---    | 74.06  | 26.30  |
| 20959.93  | ---     | 45.23  | 54.06  | 8.83   |

# 1 GHz – 26.5GHz, 802.11ac80, Chain A

## Radiated Spurious – CH58ac80

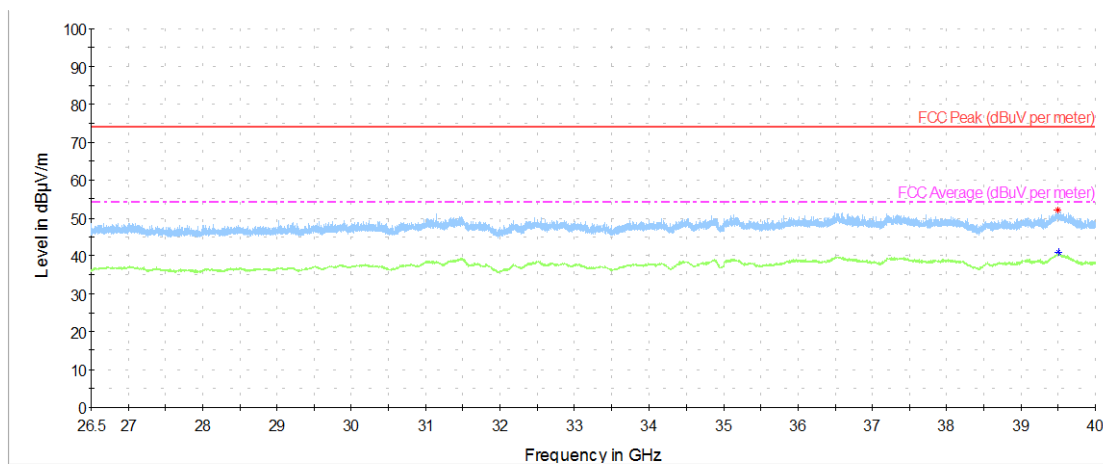


— Peak measurements     
 — AVG measurements     
 — Limit FCC Peak     
 - - - Limit FCC Avg

| Frequency | MaxPeak | Avg    | Limit  | Margin |
|-----------|---------|--------|--------|--------|
| MHz       | dBuV/m  | dBuV/m | dBuV/m | dB     |
| 4440.94   | ---     | 41.68  | 54.06  | 12.38  |
| 4451.88   | 54.42   | ---    | 74.06  | 19.64  |
| 6286.26   | 53.45   | ---    | 74.06  | 20.61  |
| 6310.79   | ---     | 40.94  | 54.06  | 13.11  |
| 17025.02  | 43.51   | ---    | 74.06  | 30.55  |
| 17051.70  | ---     | 32.34  | 54.06  | 21.72  |
| 20959.93  | ---     | 46.45  | 54.06  | 7.61   |
| 20959.93  | 48.69   | ---    | 74.06  | 25.37  |

## 26.5 GHz – 40GHz

### Radiated Spurious – All modes



— Peak measurements     
 — AVG measurements     
 — Limit FCC Peak     
 - - - Limit FCC Avg

| Frequency | MaxPeak | Avg    | Limit  | Margin |
|-----------|---------|--------|--------|--------|
| MHz       | dBuV/m  | dBuV/m | dBuV/m | dB     |
| 39496.87  | 51.94   | ---    | 74.06  | 22.12  |
| 39503.10  | ---     | 40.87  | 54.06  | 13.19  |

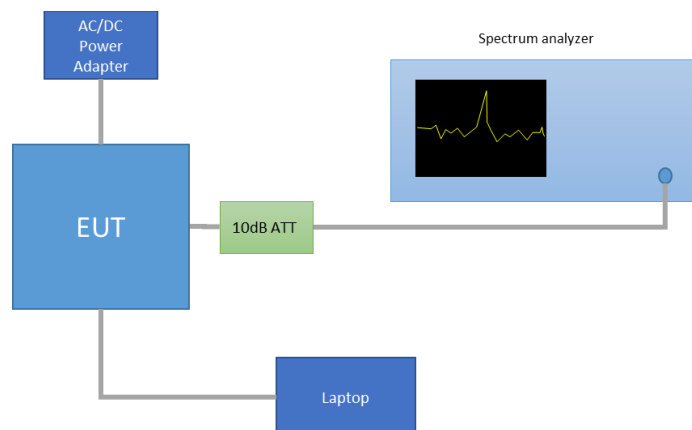
**Note 1:** The spurious signals detected do not depend on either the operating channel or the modulation mode.

# Annex D. Test Results U-NII-2C

## D.1 26dB & 99% Bandwidth

### Test procedure:

The setup below was used to measure the 26dB & 99% Bandwidth. The antenna terminal of the EUT is connected to the spectrum analyzer through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.



For the overlapped channels between U-NII-2C and 5.8 GHz DTS, and according to FCC KDB 644545 D03, the boundary frequency between the bands is used as one edge for defining the portion of the 26dB BW that falls within a particular U-NII band. This rule is only applicable for the 26dB BW and for those channels marked as overlapped.

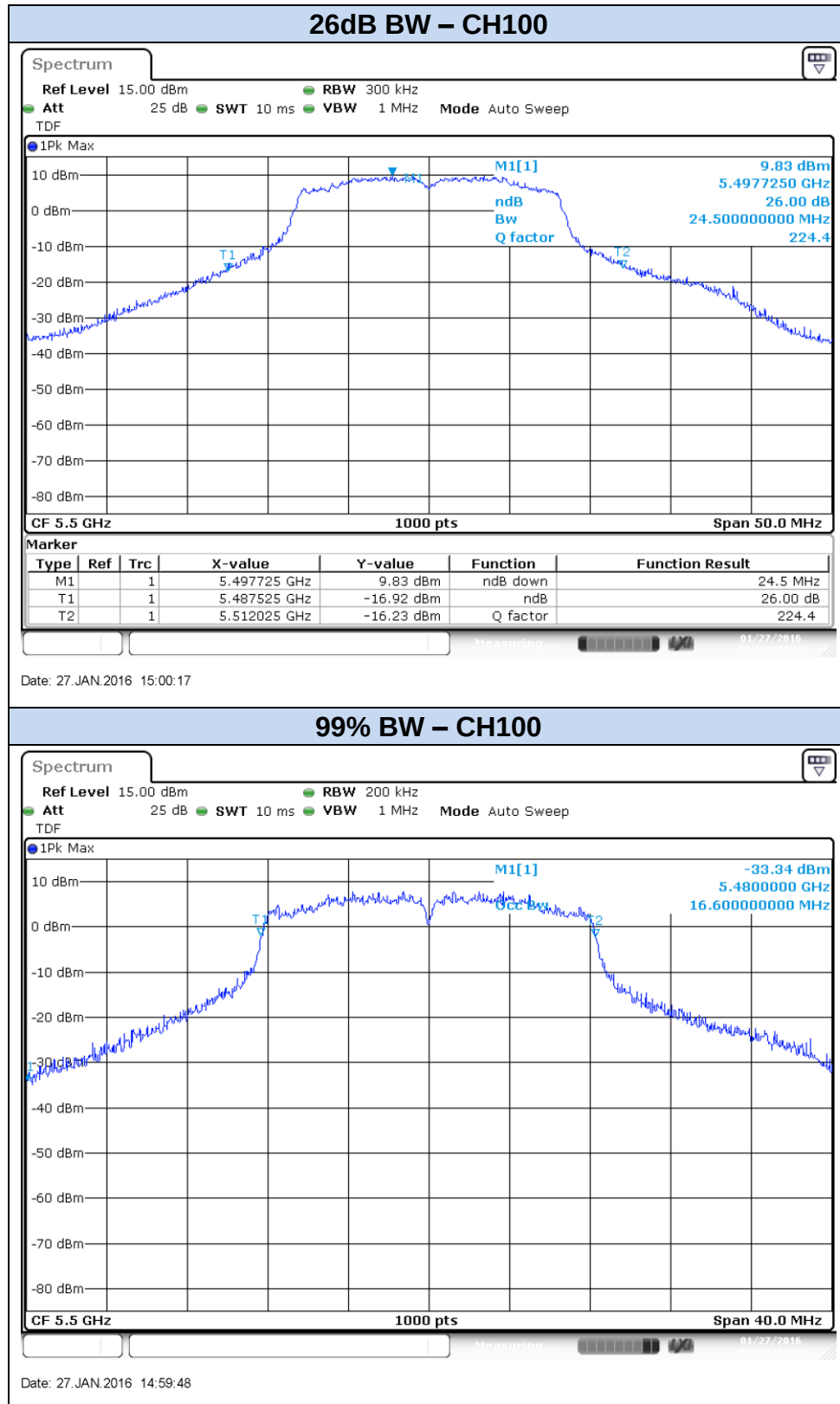
### Results tables:

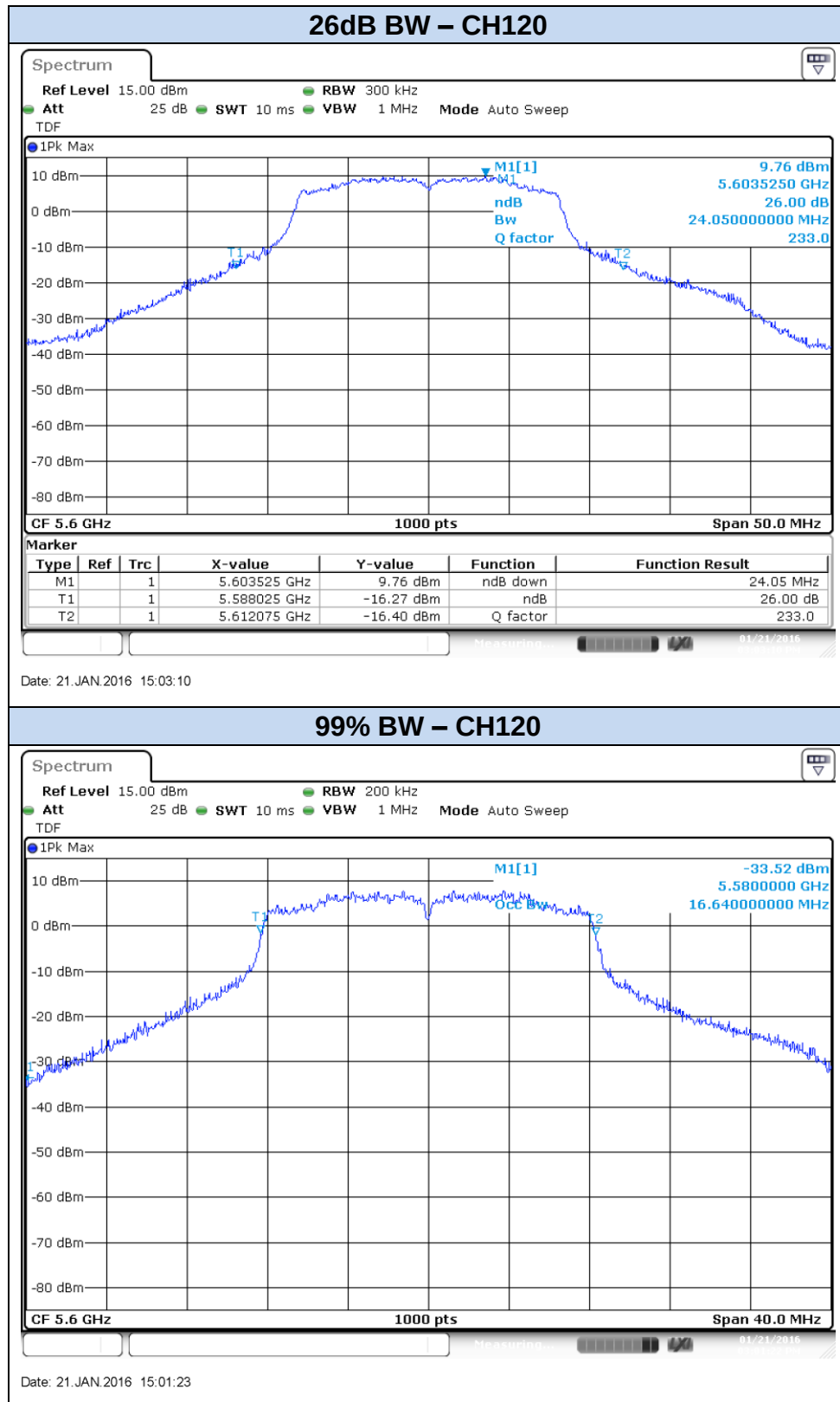
| Mode       | Rate  | Antenna      | Channel         | Frequency [MHz] | 26dB BW [MHz] | 99% BW [MHz] |
|------------|-------|--------------|-----------------|-----------------|---------------|--------------|
| 802.11a    | 6Mbps | SISO CHAIN A | 100             | 5500            | 24.50         | 16.60        |
|            |       |              | 120             | 5600            | 24.05         | 16.64        |
|            |       |              | 140             | 5700            | 24.65         | 16.60        |
| 802.11n20  | HT0   | SISO CHAIN A | 100             | 5500            | 24.70         | 17.76        |
|            |       |              | 120             | 5600            | 24.90         | 17.76        |
|            |       |              | 140             | 5700            | 24.65         | 17.84        |
|            |       |              | <b>144*</b>     | 5720            | 20.52         | 17.84        |
| 802.11n40  | HT0   | SISO CHAIN A | 102F            | 5510            | 42.75         | 36.16        |
|            |       |              | 118F            | 5590            | 44.55         | 36.24        |
|            |       |              | 134F            | 5670            | 45.45         | 36.32        |
|            |       |              | <b>142F*</b>    | 5710            | 40.60         | 36.80        |
| 802.11ac80 | VHT0  | SISO CHAIN A | 106ac80         | 5530            | 82.27         | 75.36        |
|            |       |              | 122ac80         | 5610            | 86.45         | 75.48        |
|            |       |              | <b>138ac80*</b> | 5690            | 93.42         | 77.33        |

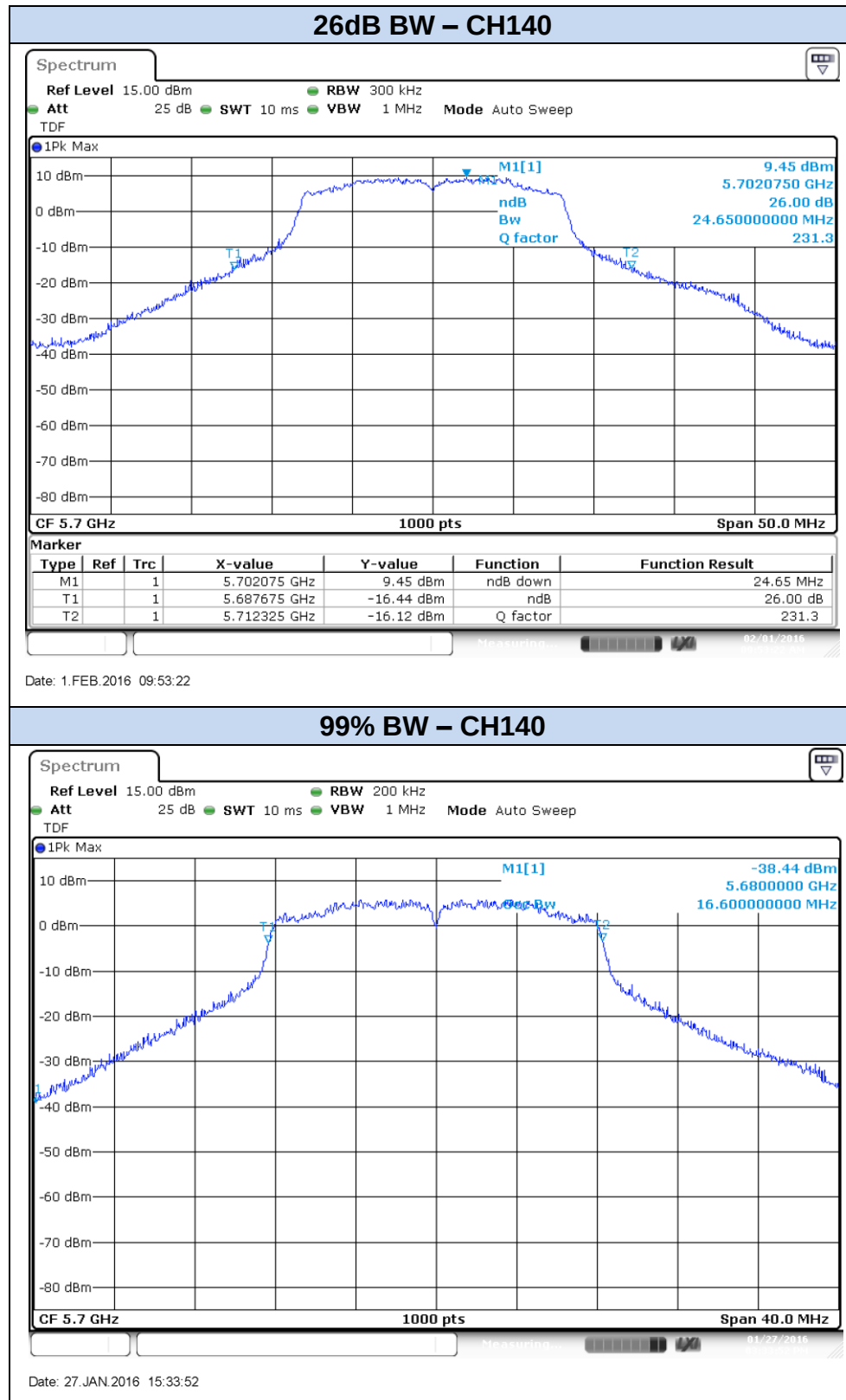
\* Overlapped channels between U-NII-2C and 5.8 GHz DTS

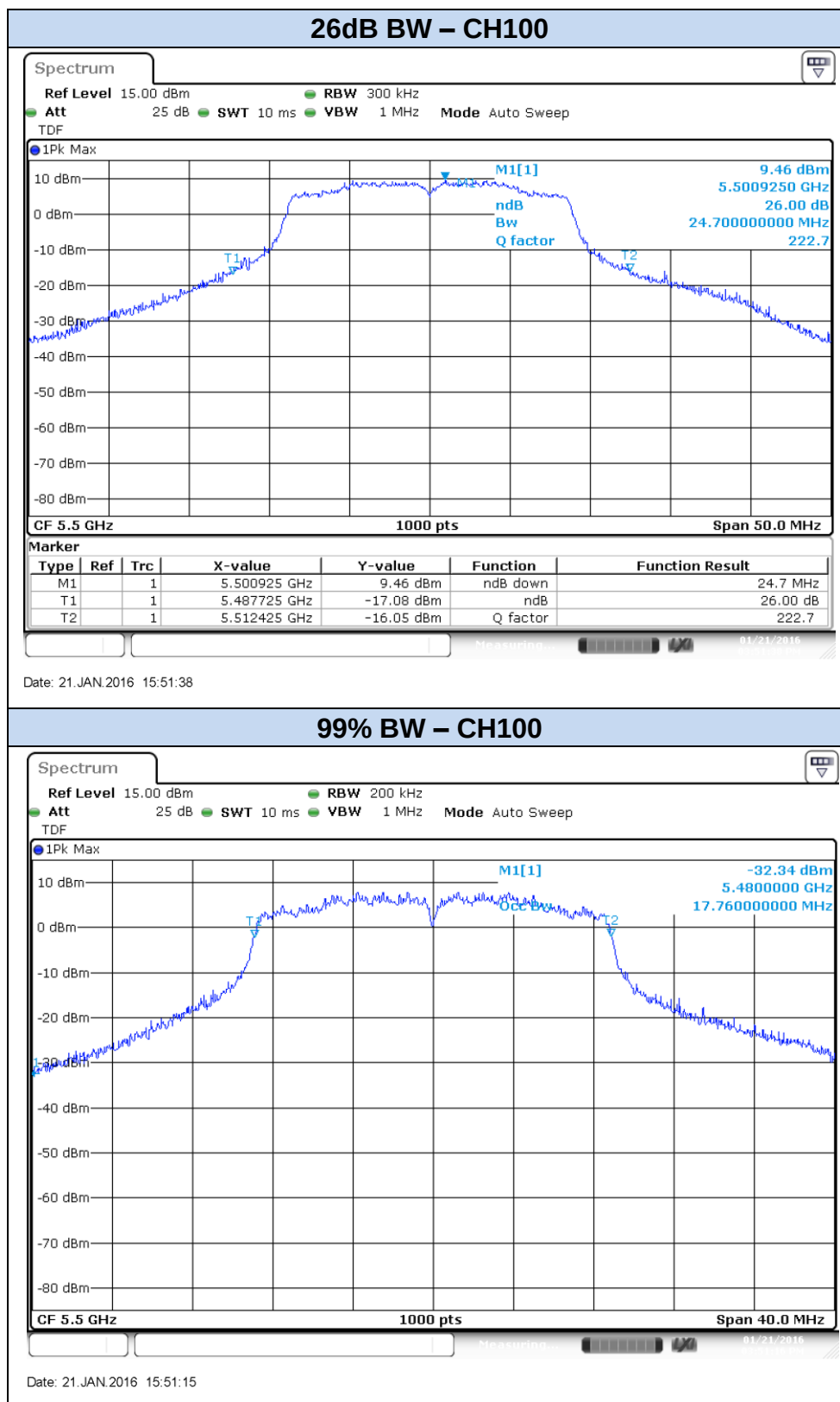
# Results screenshot

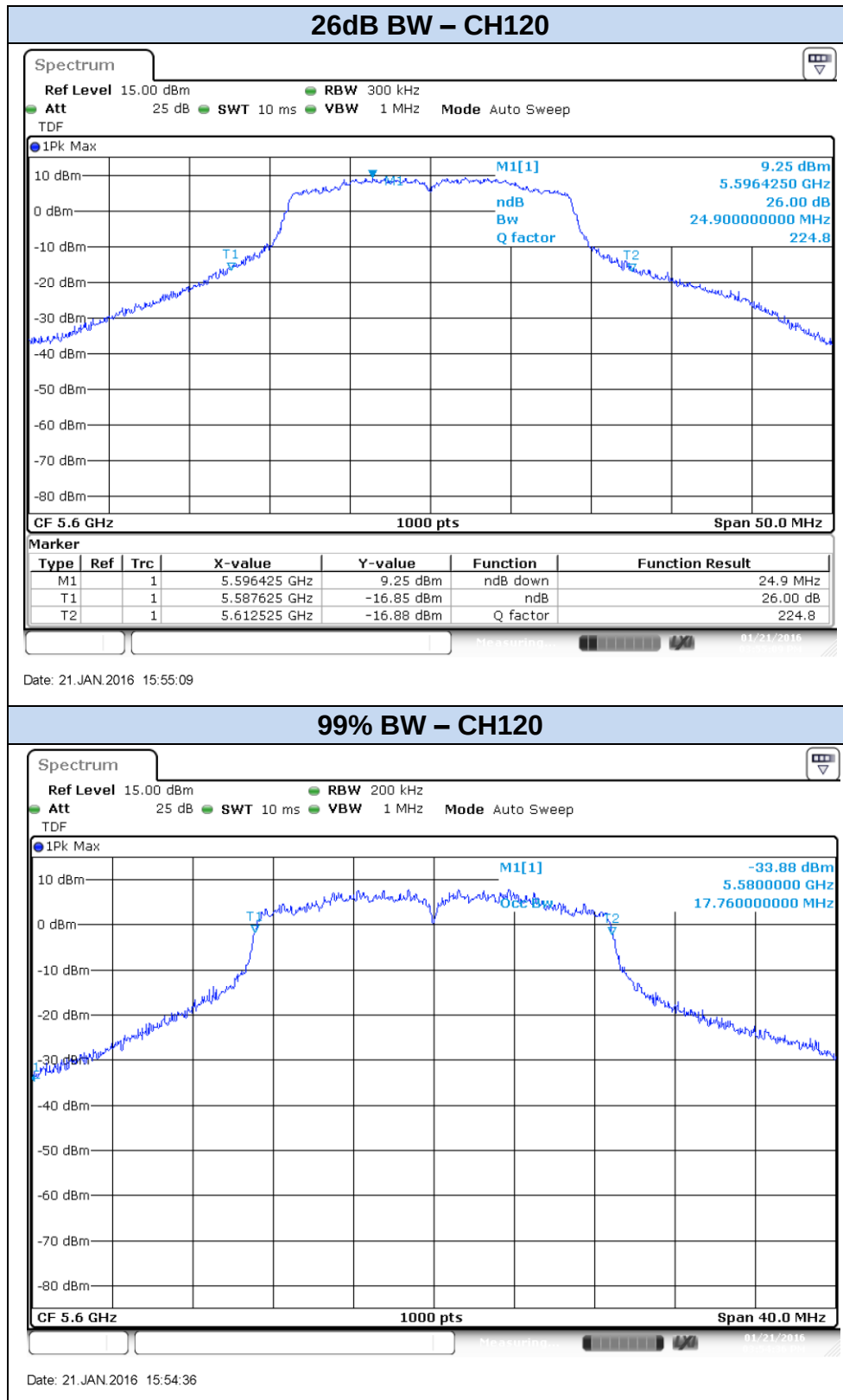
## 802.11a, 6Mbps – Chain A

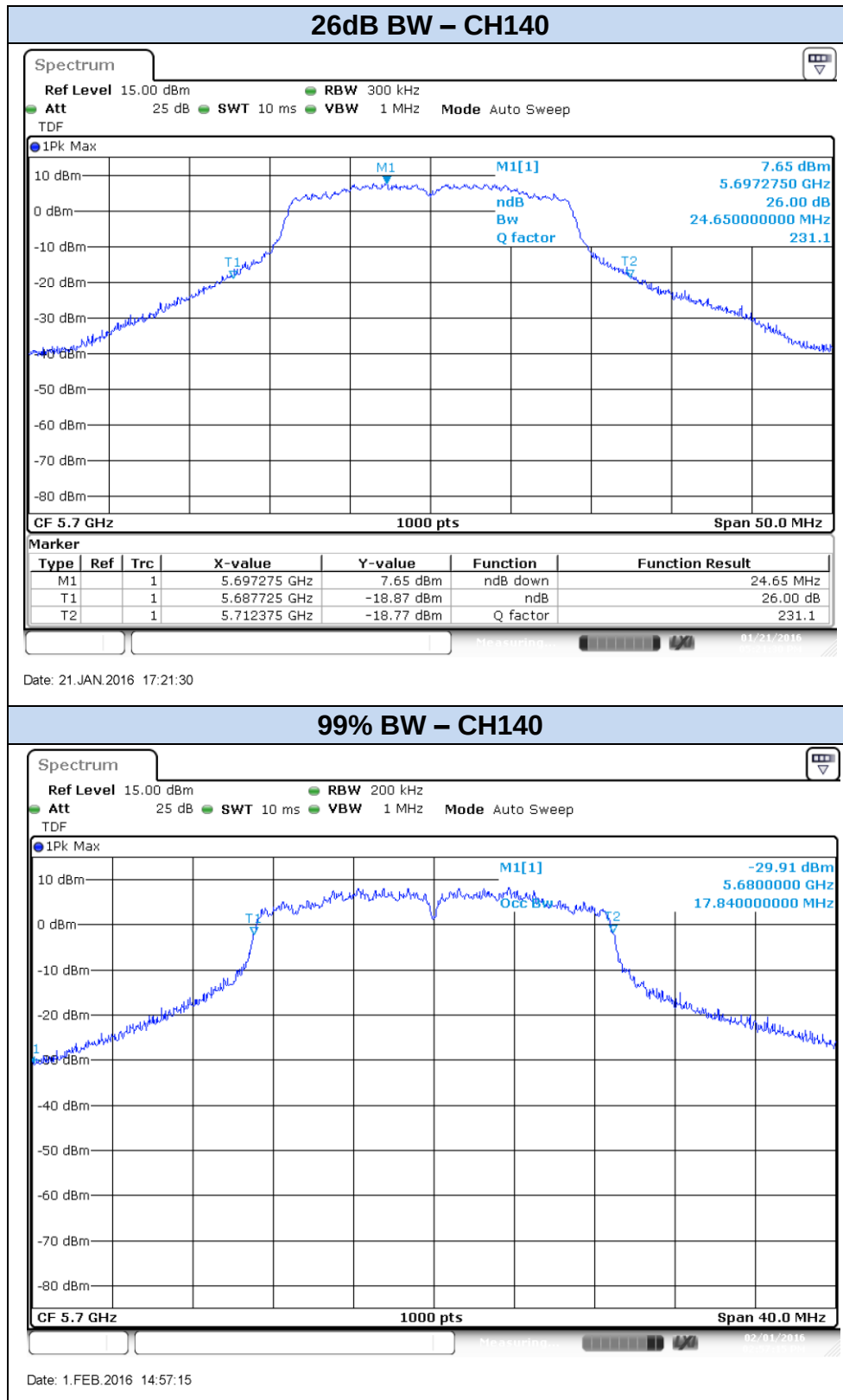


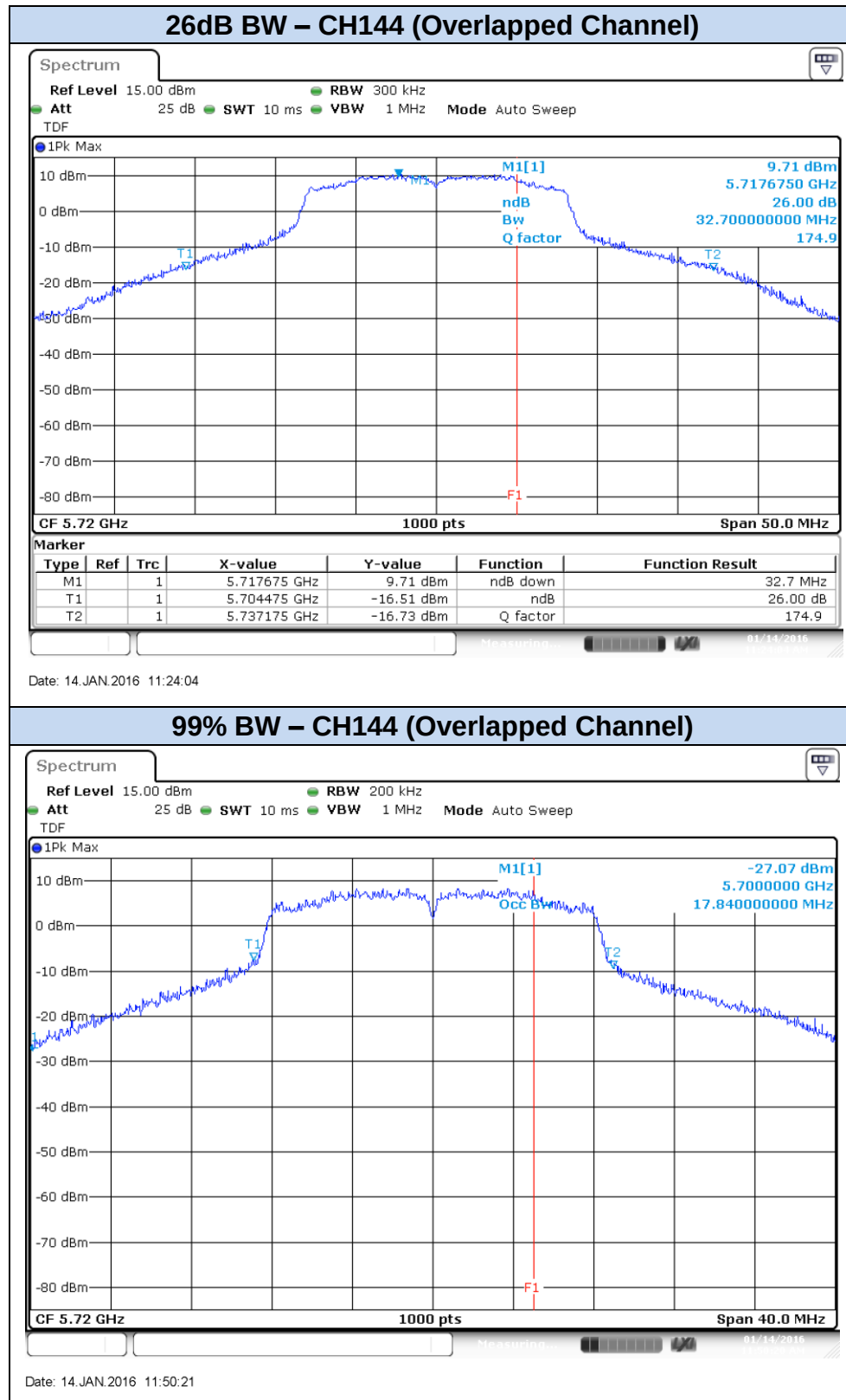


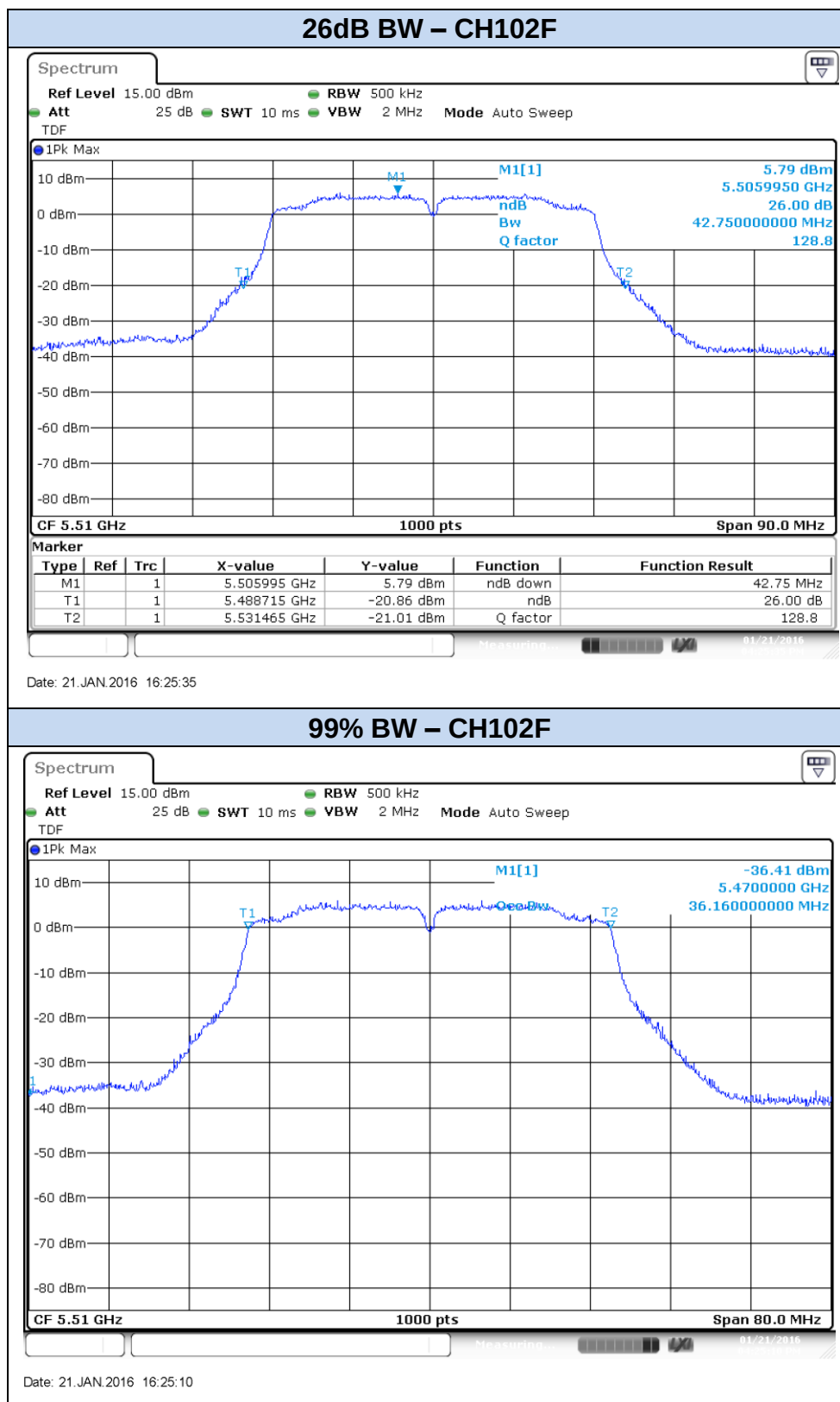


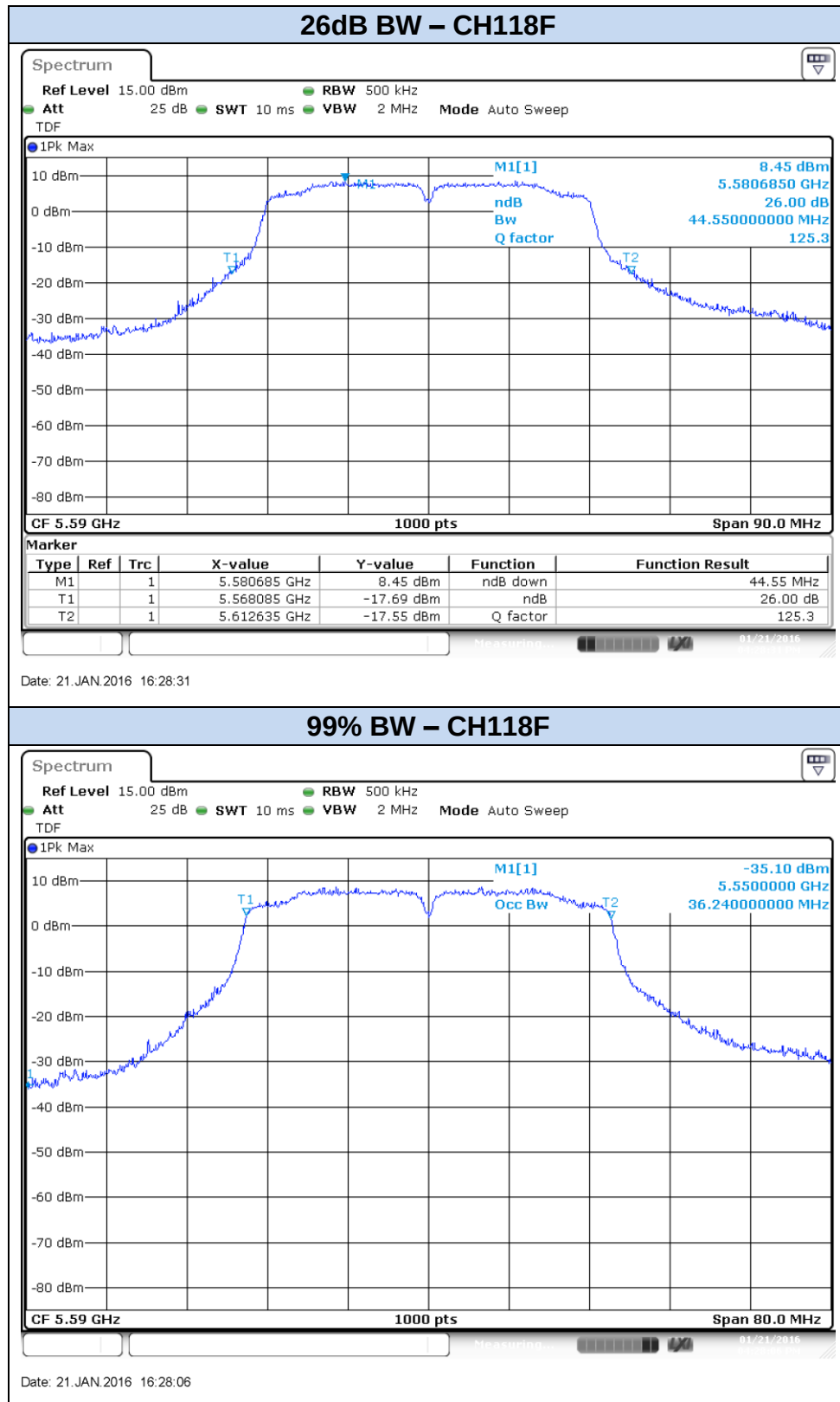
**802.11n20, HT0 – Chain A**

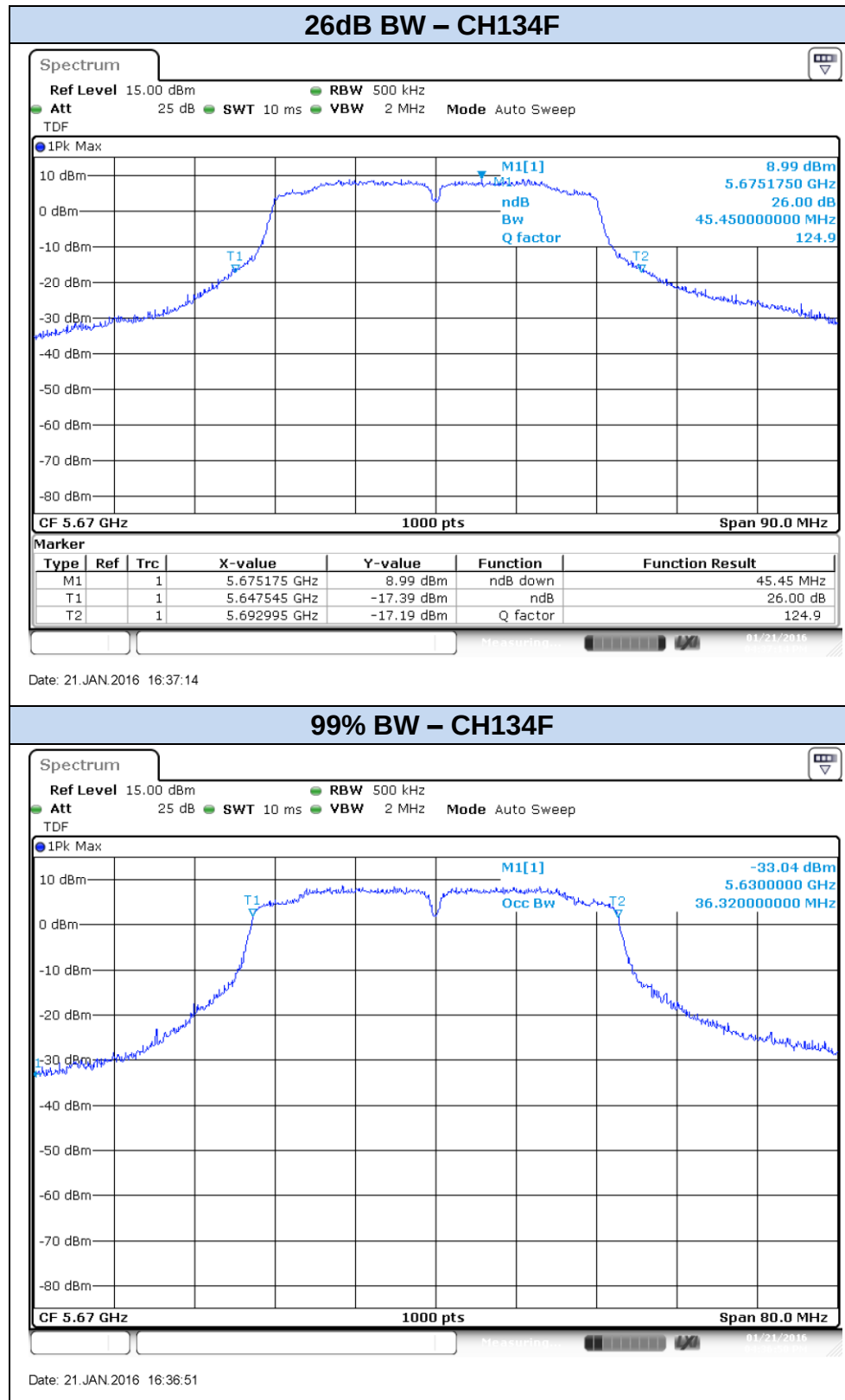


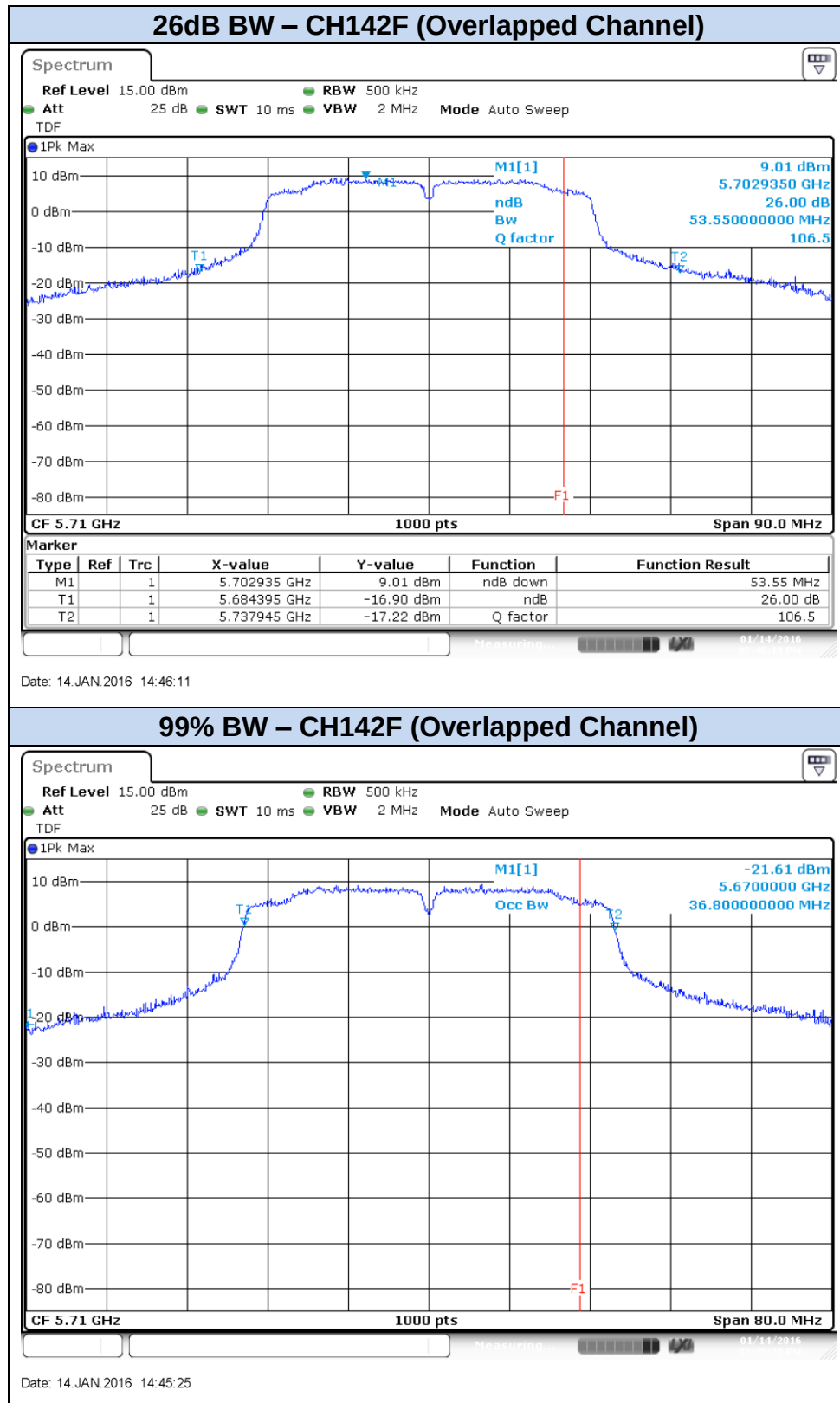


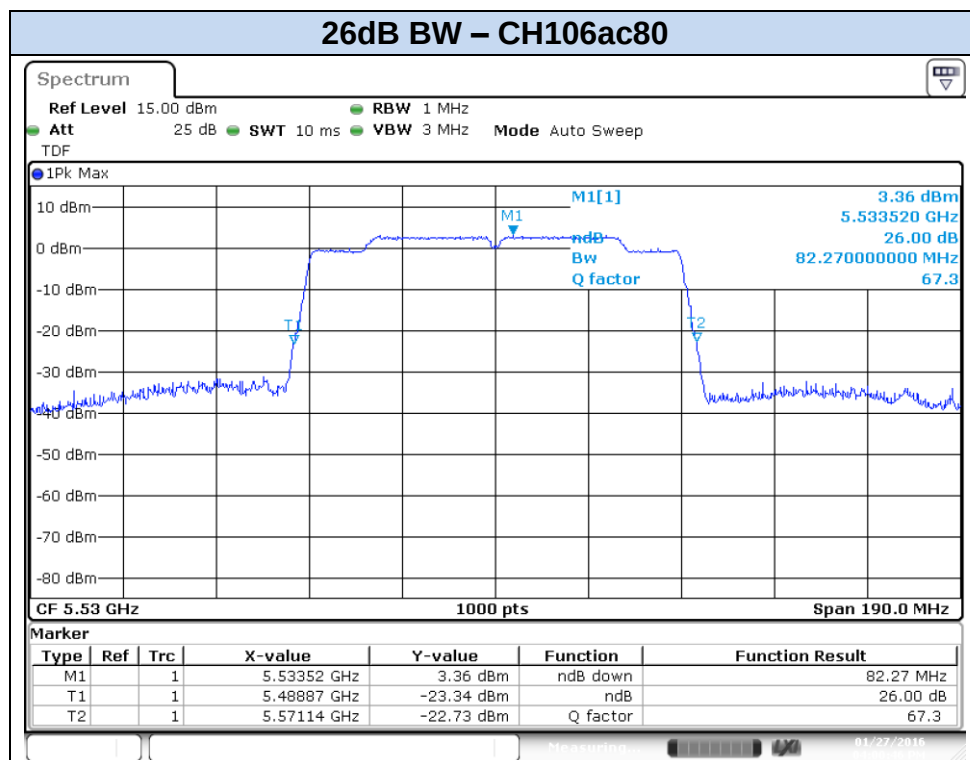


**802.11n40, HT0 – Chain A**

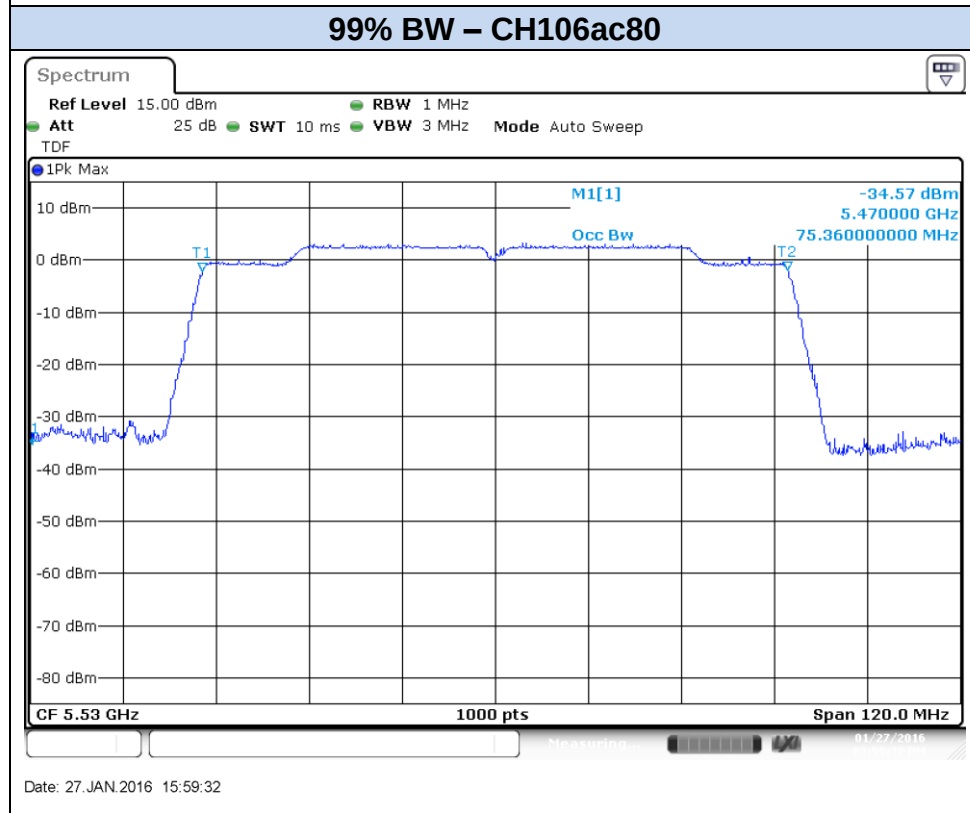






**802.11ac80, VHT0 – Chain A**

Date: 27.JAN.2016 16:00:47



Date: 27.JAN.2016 15:59:32

