



# Appendix A1: Transmitter Output Power

## 1 Result Table

### 1.1 Channel Power, Total

NOTE 1: If applicable, the EIRP [W] =  $10^{((\text{Channel Power [dBm]} + \text{Antenna Gain [dBi]} ) / 10 - 3)}$ , and the ERP [W] = EIRP [W] / 1.64.

NOTE 2: When the EUT is put into service, the practical maximum antenna gain may exceed the value as described below, and if exceed, the combination of the practical output power and the practical antenna gain should NOT exceed the required ERP/EIRP limit.

| EUT Conf. | Channel Power [dBm] | Antenna Gain [dBi] | EIRP [W] | ERP [W] | Verdict |
|-----------|---------------------|--------------------|----------|---------|---------|
| 5M_B      | 19.96               | 4                  | ---      | ---     | ---     |
| 5M_M      | 20.51               | 4                  | ---      | ---     | ---     |
| 5M_T      | 20.29               | 4                  | ---      | ---     | ---     |
| 10M_B     | 19.85               | 4                  | ---      | ---     | ---     |
| 10M_M     | 20.43               | 4                  | ---      | ---     | ---     |
| 10M_T     | 19.98               | 4                  | ---      | ---     | ---     |
| 15M_B     | 20.25               | 4                  | ---      | ---     | ---     |
| 15M_M     | 20.58               | 4                  | ---      | ---     | ---     |
| 15M_T     | 20.25               | 4                  | ---      | ---     | ---     |
| 20M_B     | 20.34               | 4                  | ---      | ---     | ---     |
| 20M_M     | 20.45               | 4                  | ---      | ---     | ---     |
| 20M_T     | 20.11               | 4                  | ---      | ---     | ---     |
| 1U_B      | 23.04               | 4                  | ---      | ---     | ---     |
| 1U_M      | 23.52               | 4                  | ---      | ---     | ---     |
| 1U_T      | 23.44               | 4                  | ---      | ---     | ---     |
| 2U_B      | 19.66, 20.31        | 4                  | ---      | ---     | ---     |
| 2U_M      | 20.87, 20.38        | 4                  | ---      | ---     | ---     |
| 2U_T      | 20.55, 20.4         | 4                  | ---      | ---     | ---     |

### 1.2 Power Spectral Density

NOTE 1: If applicable, the EIRP [W/MHz] =  $10^{((\text{Power Spectral Density [dBm/MHz]} + \text{Antenna Gain [dBi]} ) / 10 - 3)}$ , and the ERP [W/MHz] = EIRP [W/MHz] / 1.64.

NOTE 2: When the EUT is put into service, the practical maximum antenna gain may exceed the value as described below, and if exceed, the combination of the practical output power and the practical antenna gain should NOT exceed the required EIRP limit.



| EUT Conf. | Power Spectral Density [dBm/MHz] | Antenna Gain [dBi] | EIRP [W/MHz] | Verdict |
|-----------|----------------------------------|--------------------|--------------|---------|
| 5M_B      | 13.98                            | 4                  | 0.06         | Pass    |
| 5M_M      | 14.31                            | 4                  | 0.07         | Pass    |
| 5M_T      | 14.12                            | 4                  | 0.06         | Pass    |
| 1U_B      | 17.67                            | 4                  | 0.15         | Pass    |
| 1U_M      | 17.98                            | 4                  | 0.16         | Pass    |
| 1U_T      | 17.9                             | 4                  | 0.15         | Pass    |

### 1.3 Peak-to-Average Ratio

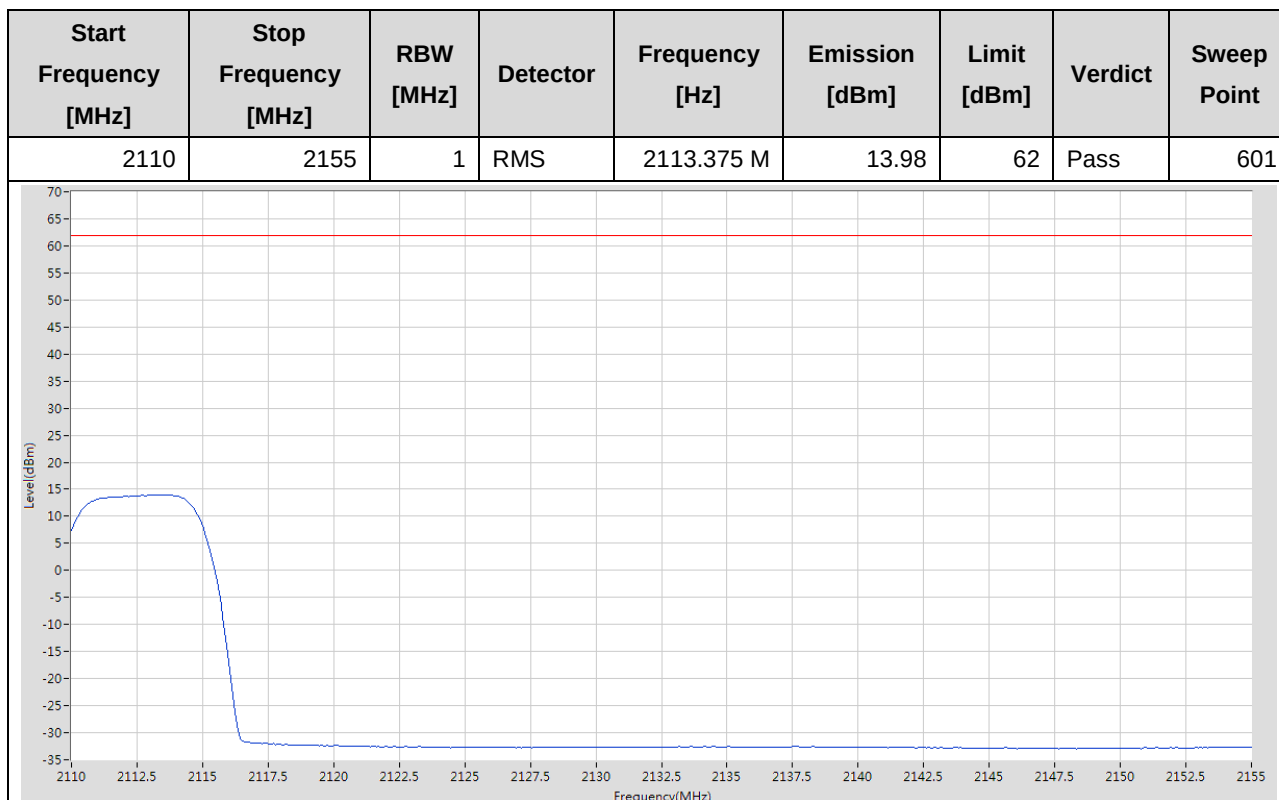
| EUT Conf. | Peak-to-Average Ratio [dB] | Verdict |
|-----------|----------------------------|---------|
| 5M_B      | 7.62                       | Pass    |
| 5M_M      | 7.62                       | Pass    |
| 5M_T      | 7.59                       | Pass    |
| 1U_B      | 7.48                       | Pass    |
| 1U_M      | 7.54                       | Pass    |
| 1U_T      | 7.52                       | Pass    |

## 2 Test Plot

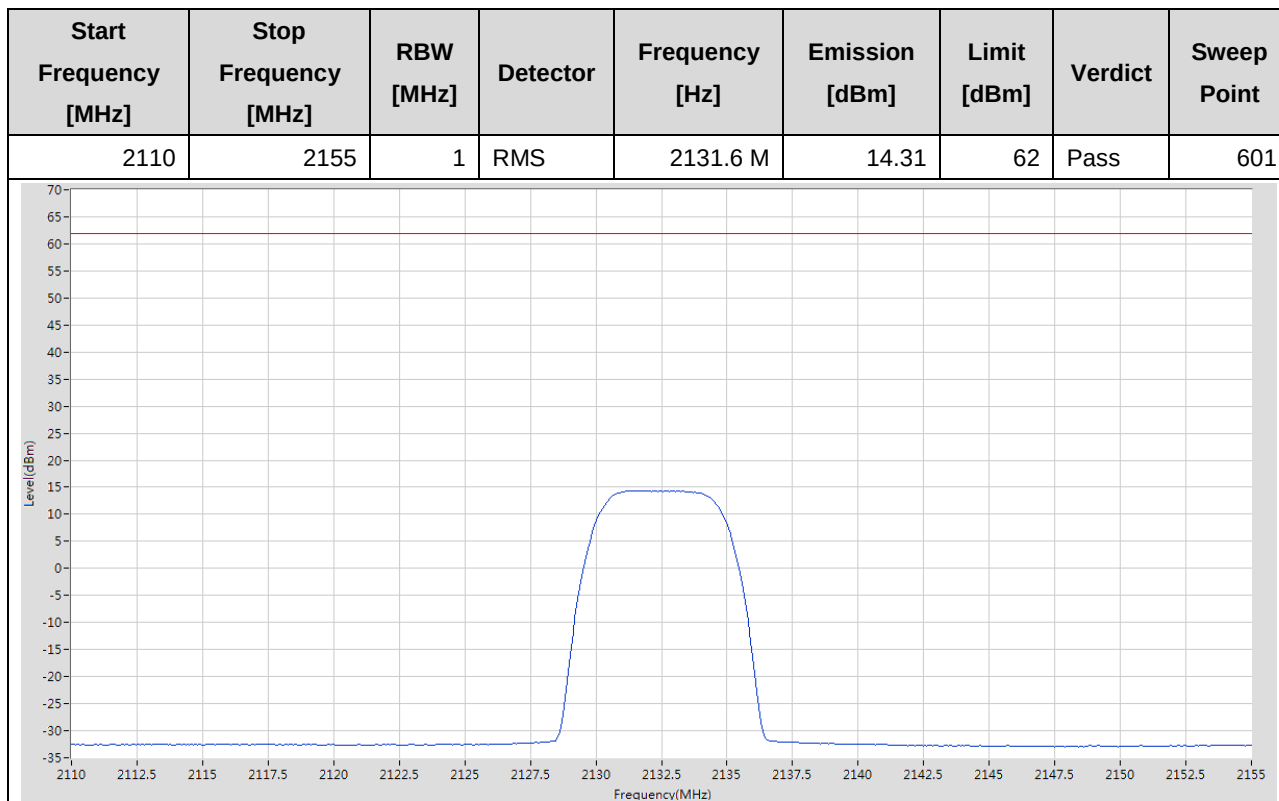
NOTE: Only the test plots for the measurements of Spectral Density and Peak-to-Average Ratio are supplied.

### 2.1 Power Spectral Density

#### 2.1.1 5M\_B

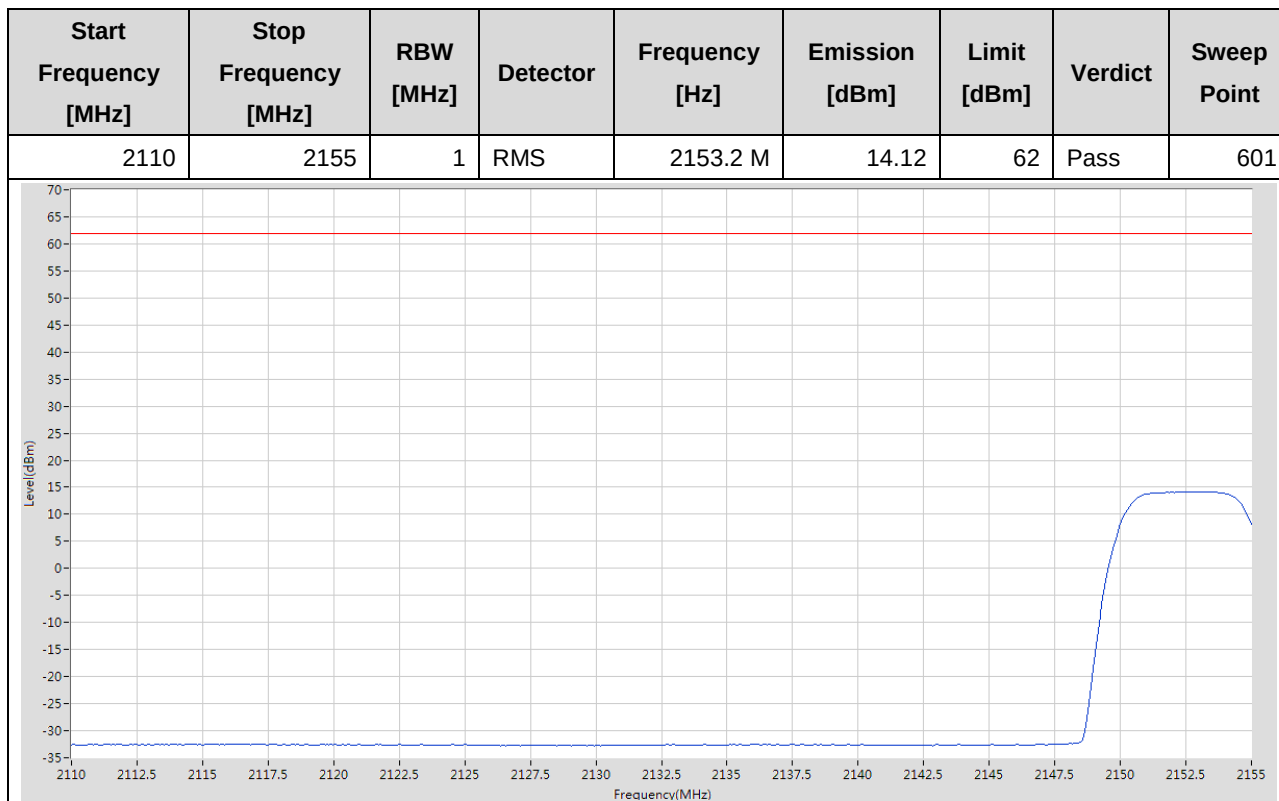


## 2.1.2 5M\_M



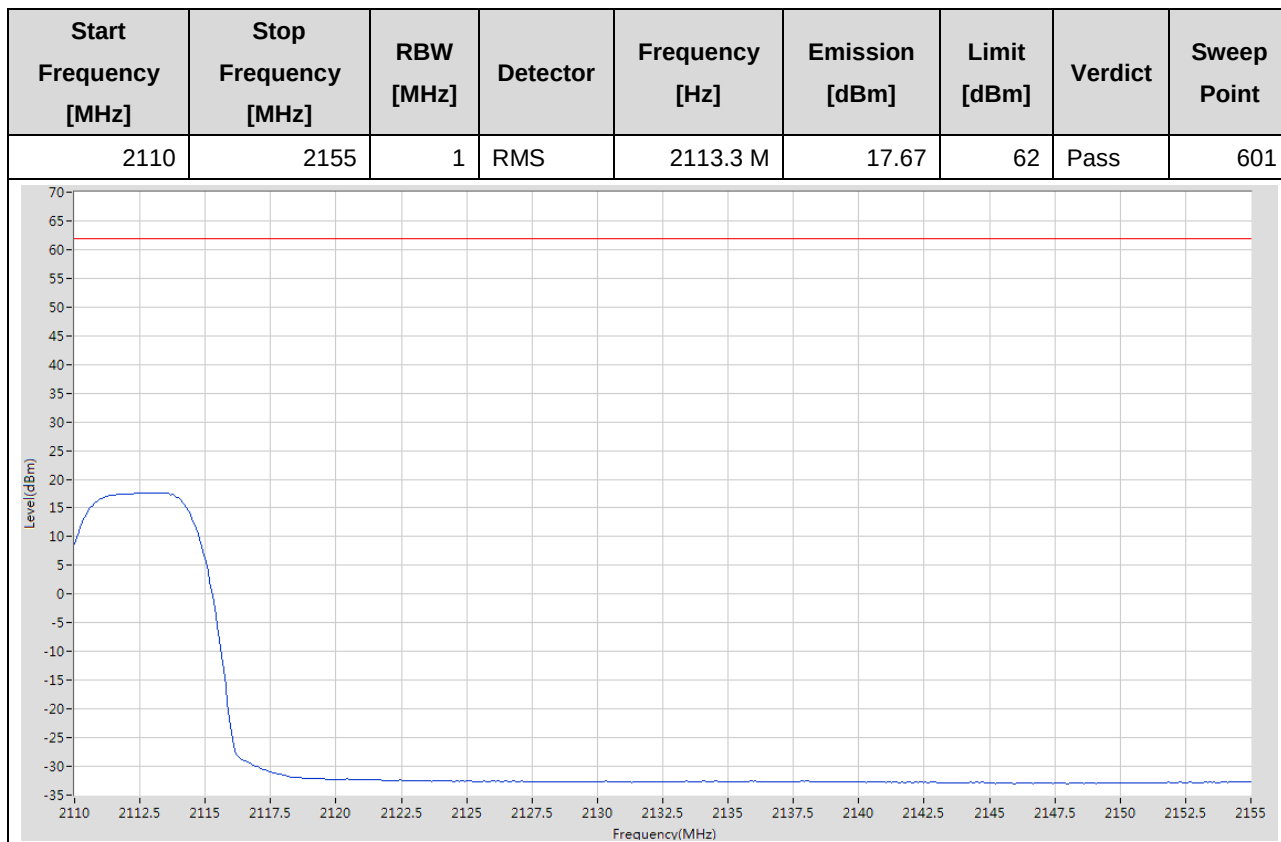


### 2.1.3 5M\_T



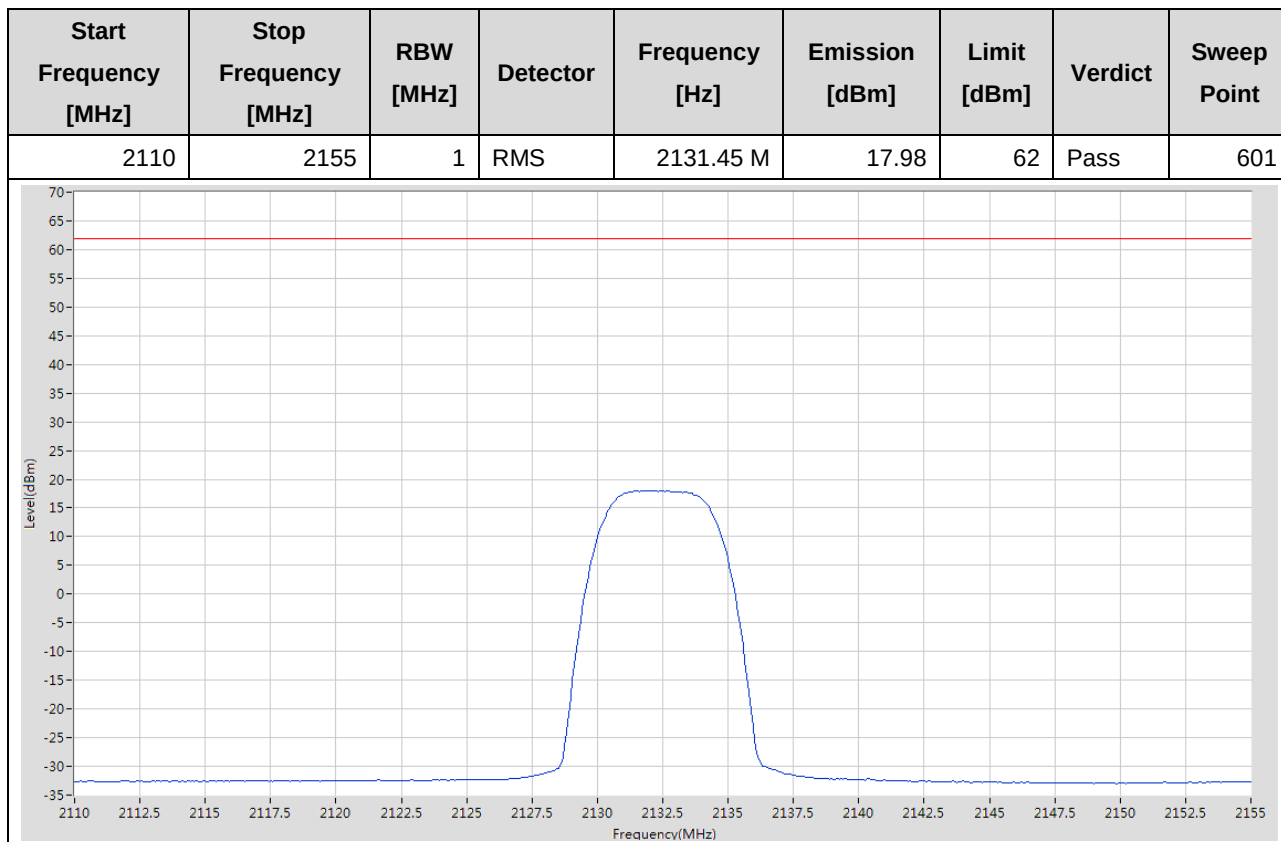


## 2.1.4 1U\_B



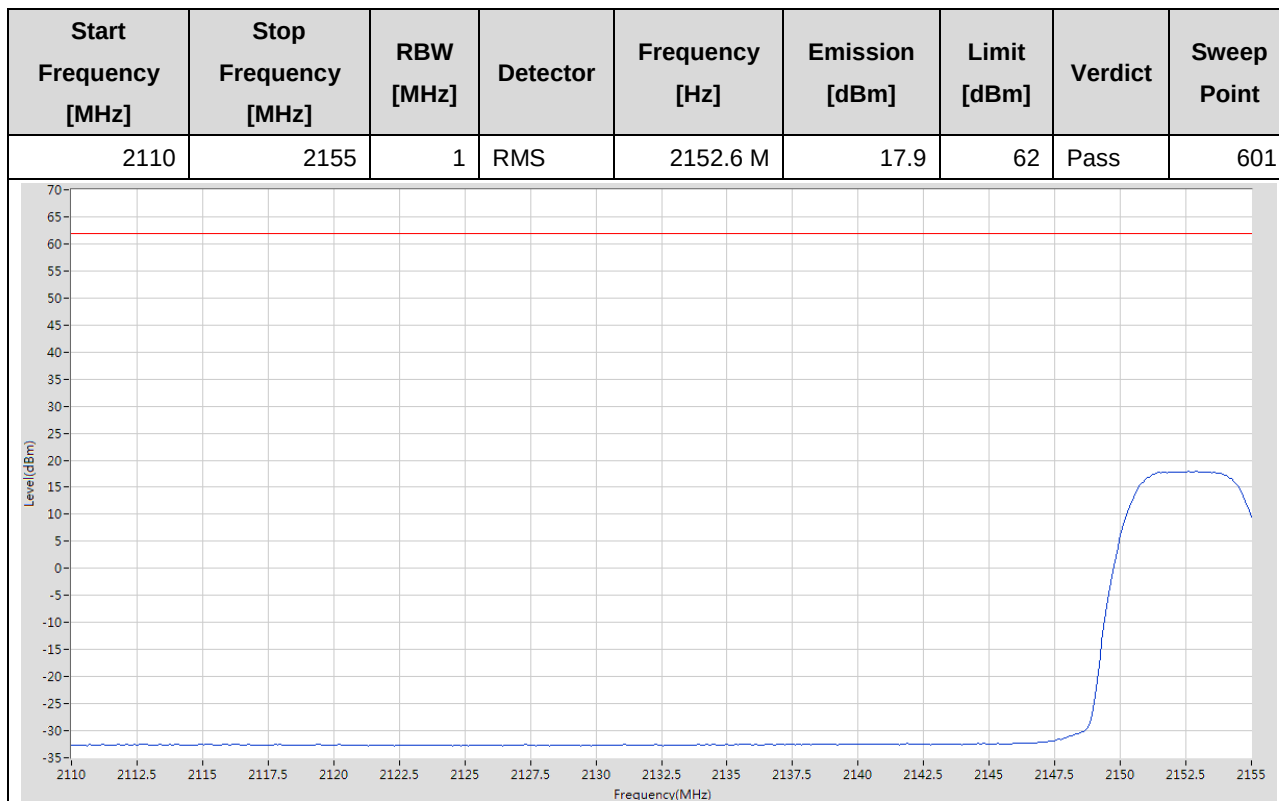


## 2.1.5 1U\_M



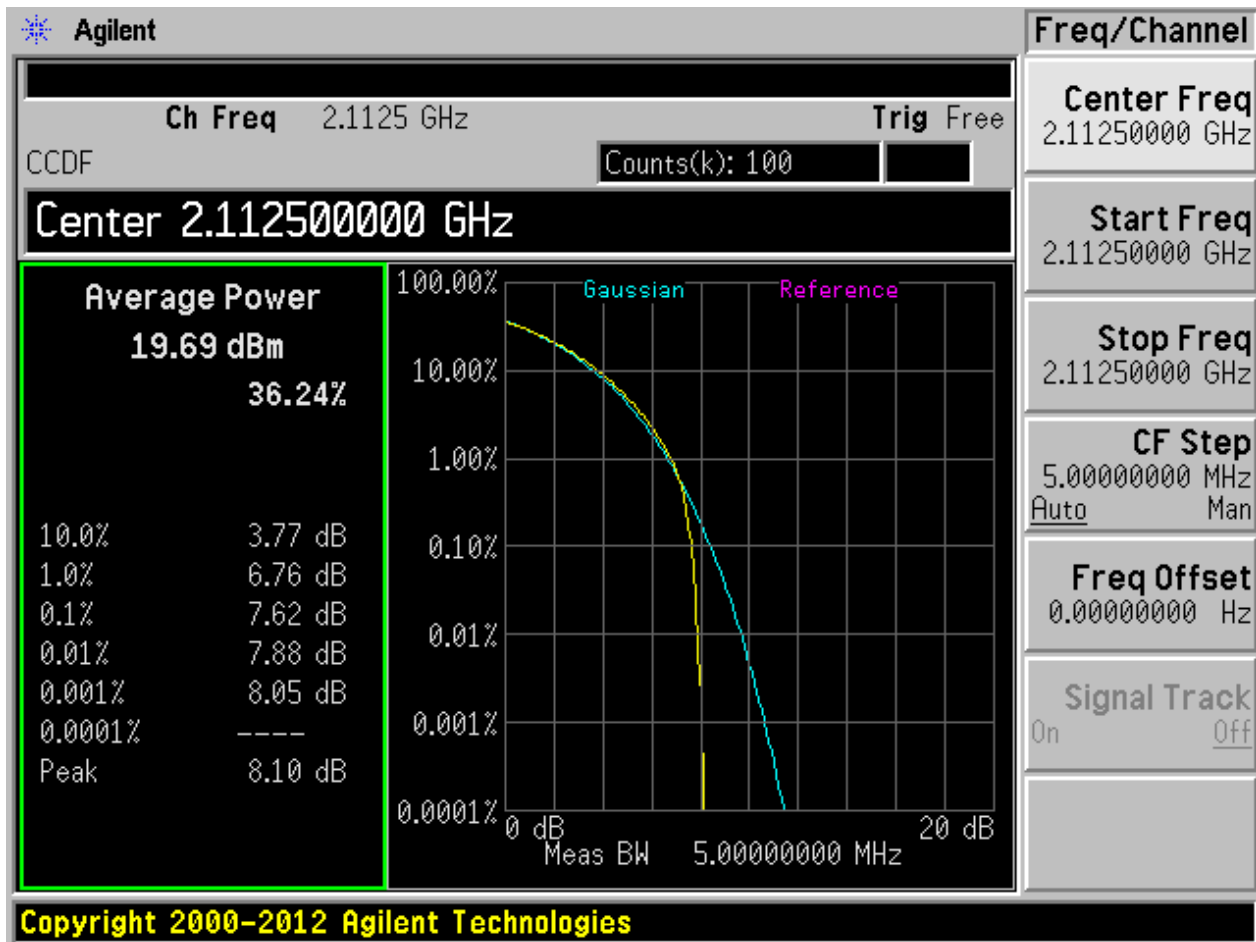


## 2.1.6 1U\_T

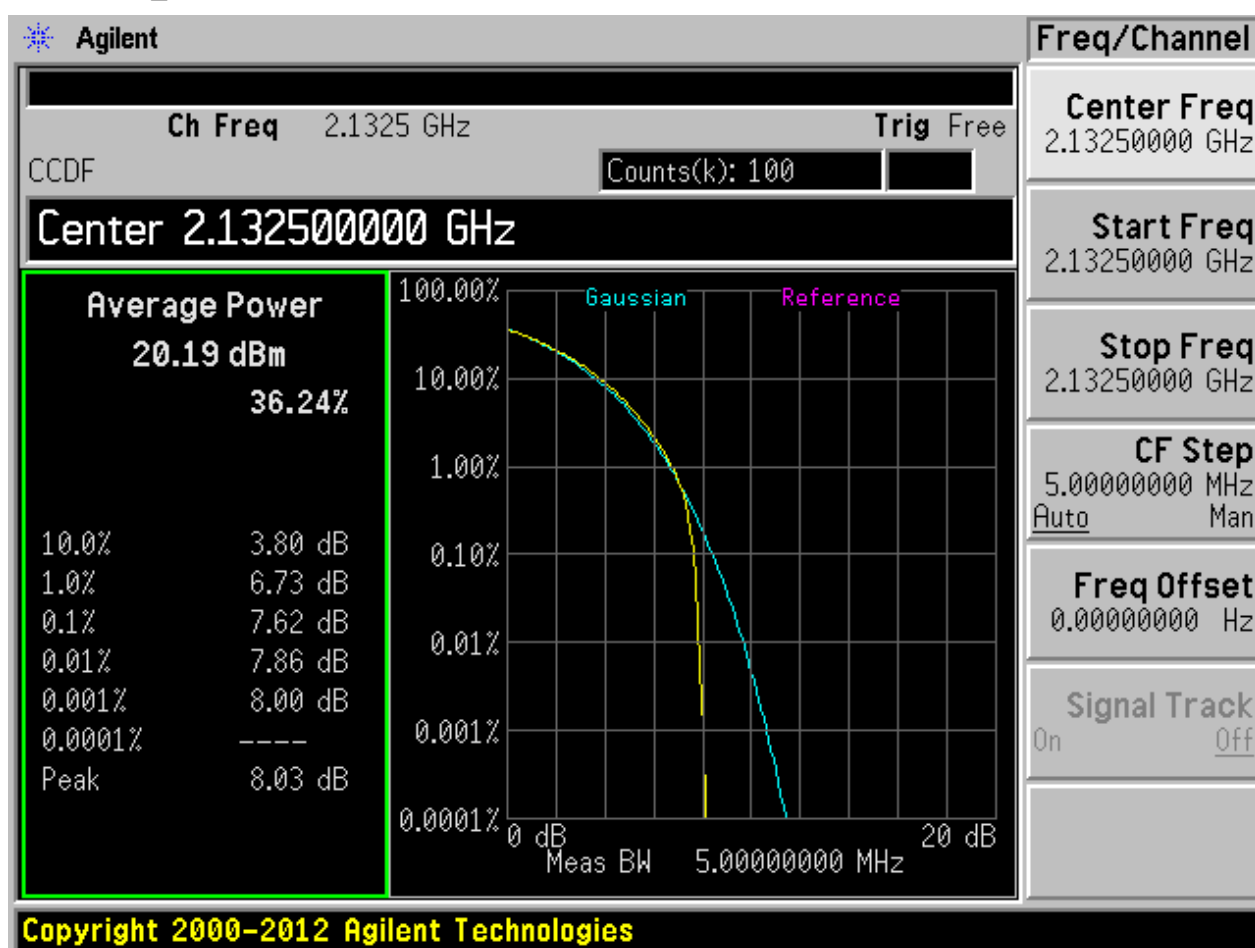


## 2.2 Peak-to-Average Ratio

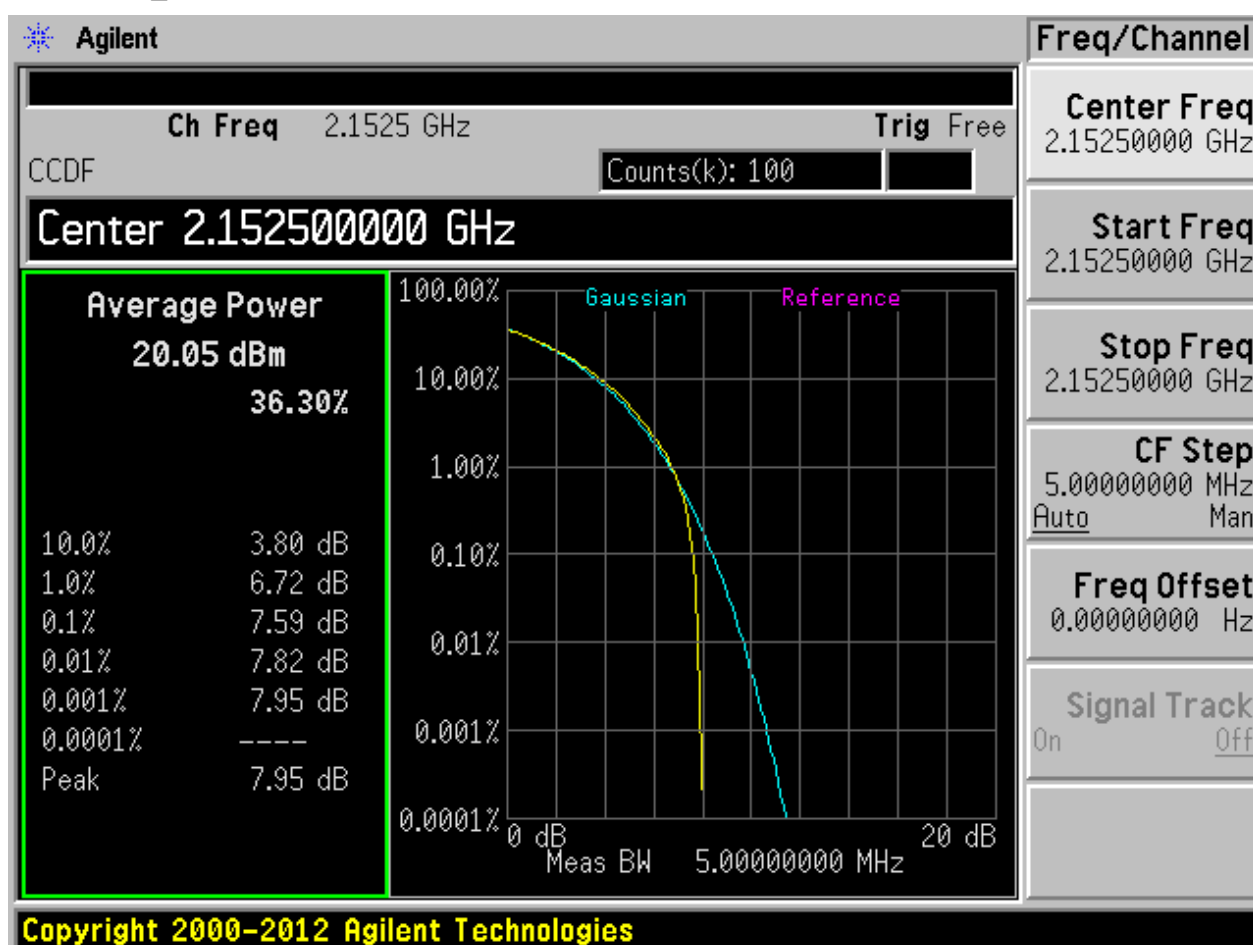
### 2.2.1 5M\_B



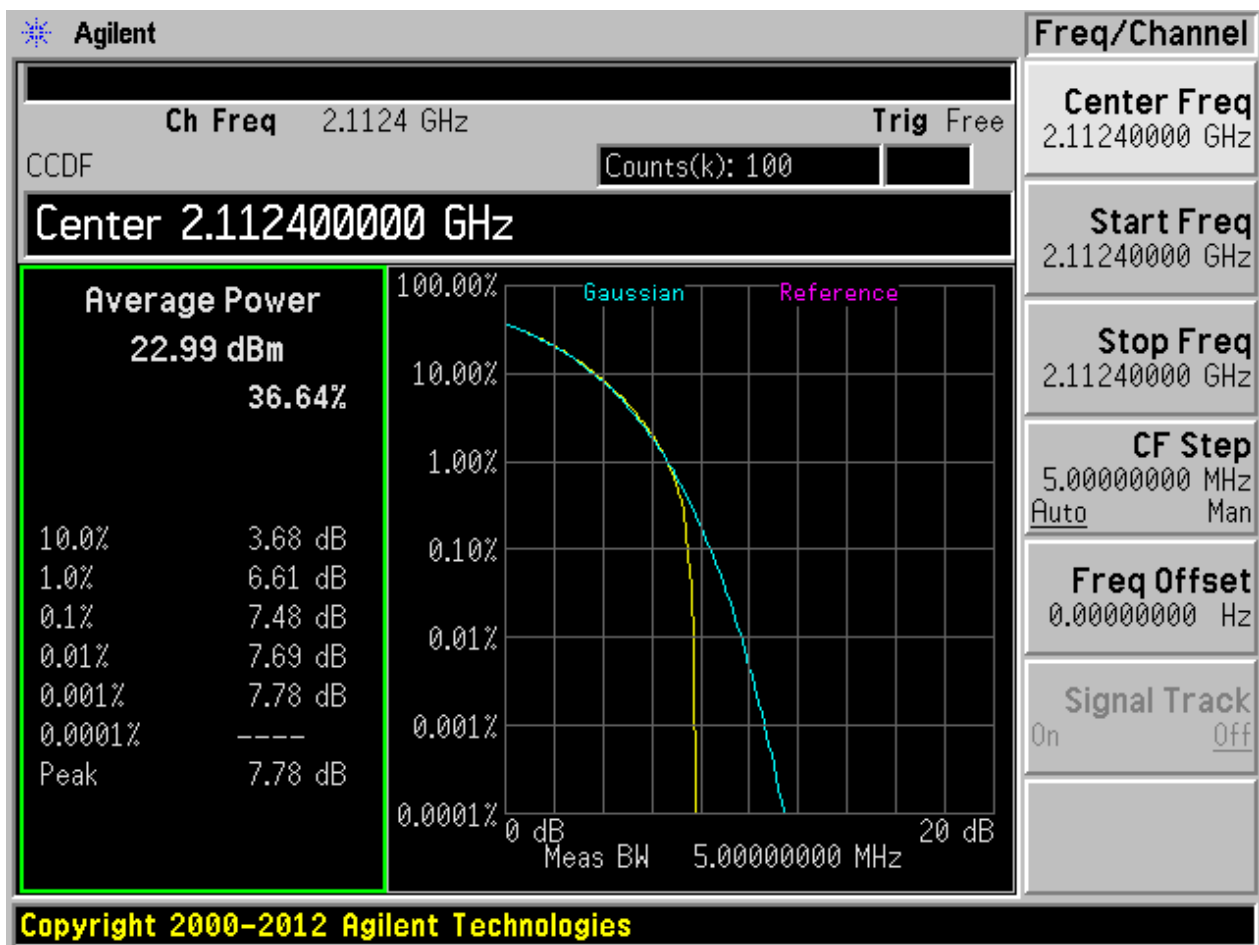
## 2.2.2 5M\_M



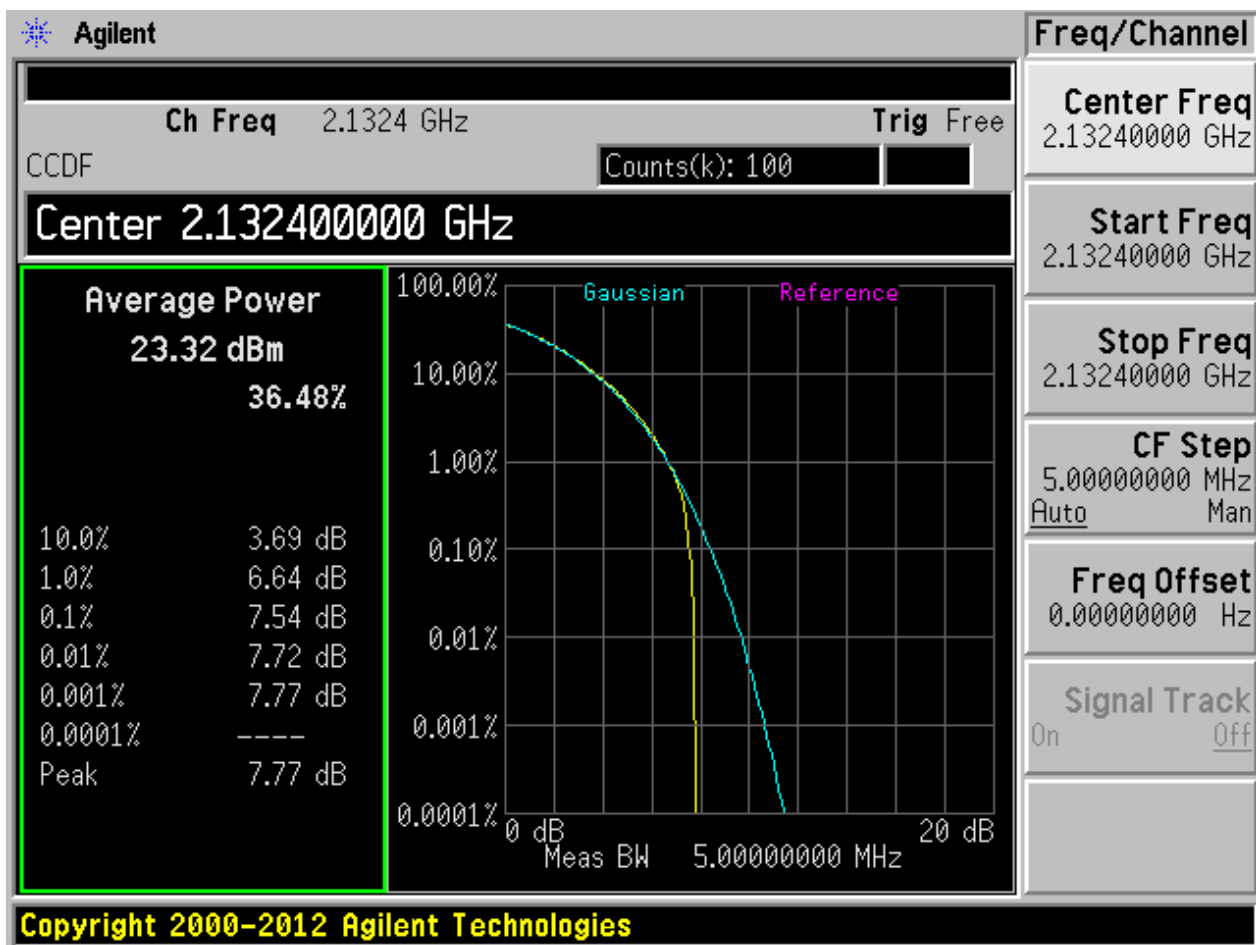
## 2.2.3 5M\_T



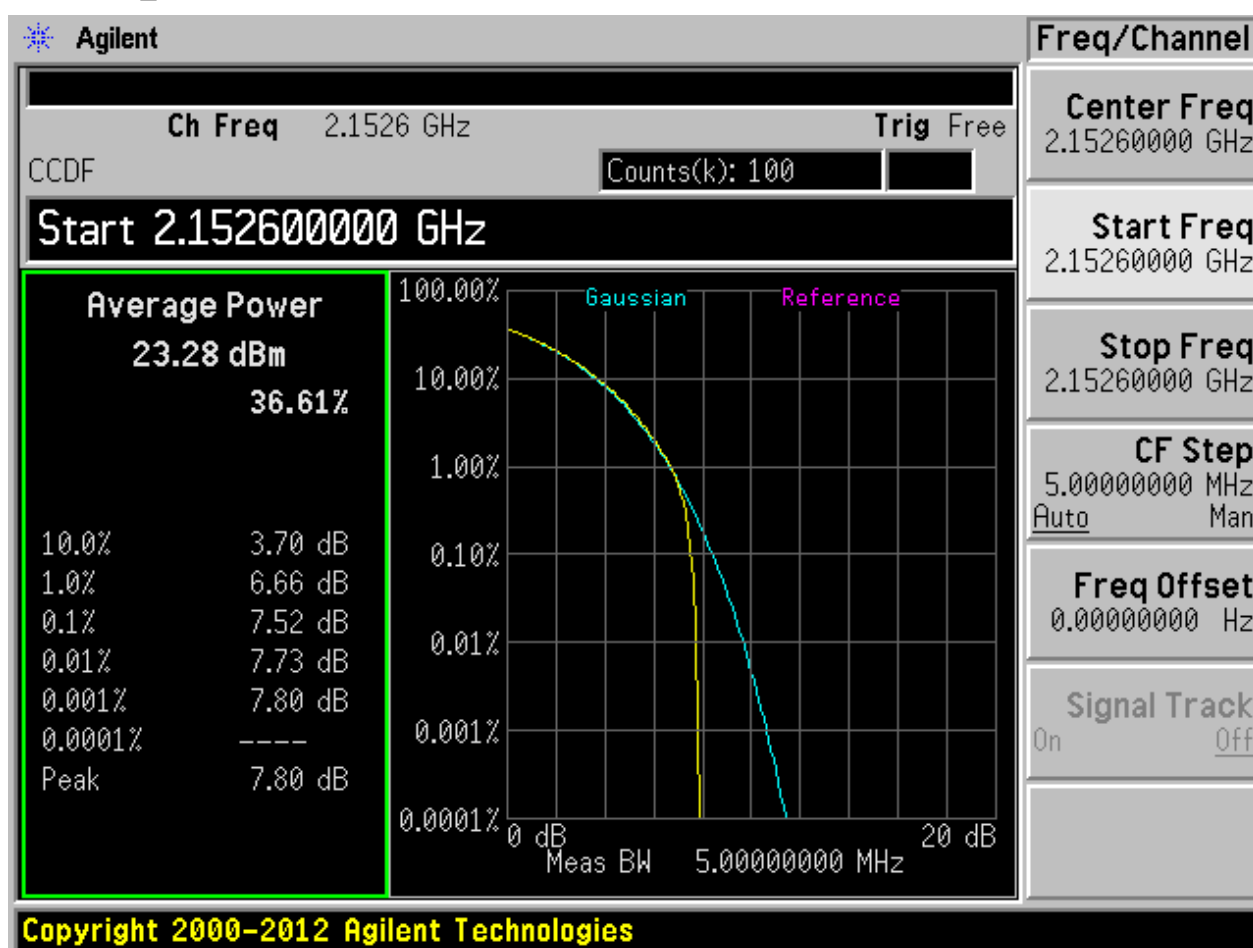
## 2.2.4 1U\_B



## 2.2.5 1U\_M



## 2.2.6 1U\_T





## Appendix B1: Bandwidth

## 1 Result Table

### 1.1 Occupied Bandwidth

| EUT Conf. | Occupied Bandwidth [MHz] | Verdict |
|-----------|--------------------------|---------|
| 5M_B      | 4.483501                 | ---     |
| 5M_M      | 4.487942                 | ---     |
| 5M_T      | 4.483184                 | ---     |
| 10M_B     | 8.968001                 | ---     |
| 10M_M     | 8.967173                 | ---     |
| 10M_T     | 8.969608                 | ---     |
| 15M_B     | 13.44155                 | ---     |
| 15M_M     | 13.44892                 | ---     |
| 15M_T     | 13.47194                 | ---     |
| 20M_B     | 17.88136                 | ---     |
| 20M_M     | 17.893                   | ---     |
| 20M_T     | 17.91678                 | ---     |
| 1U_B      | 4.194481                 | ---     |
| 1U_M      | 4.155702                 | ---     |
| 1U_T      | 4.165216                 | ---     |

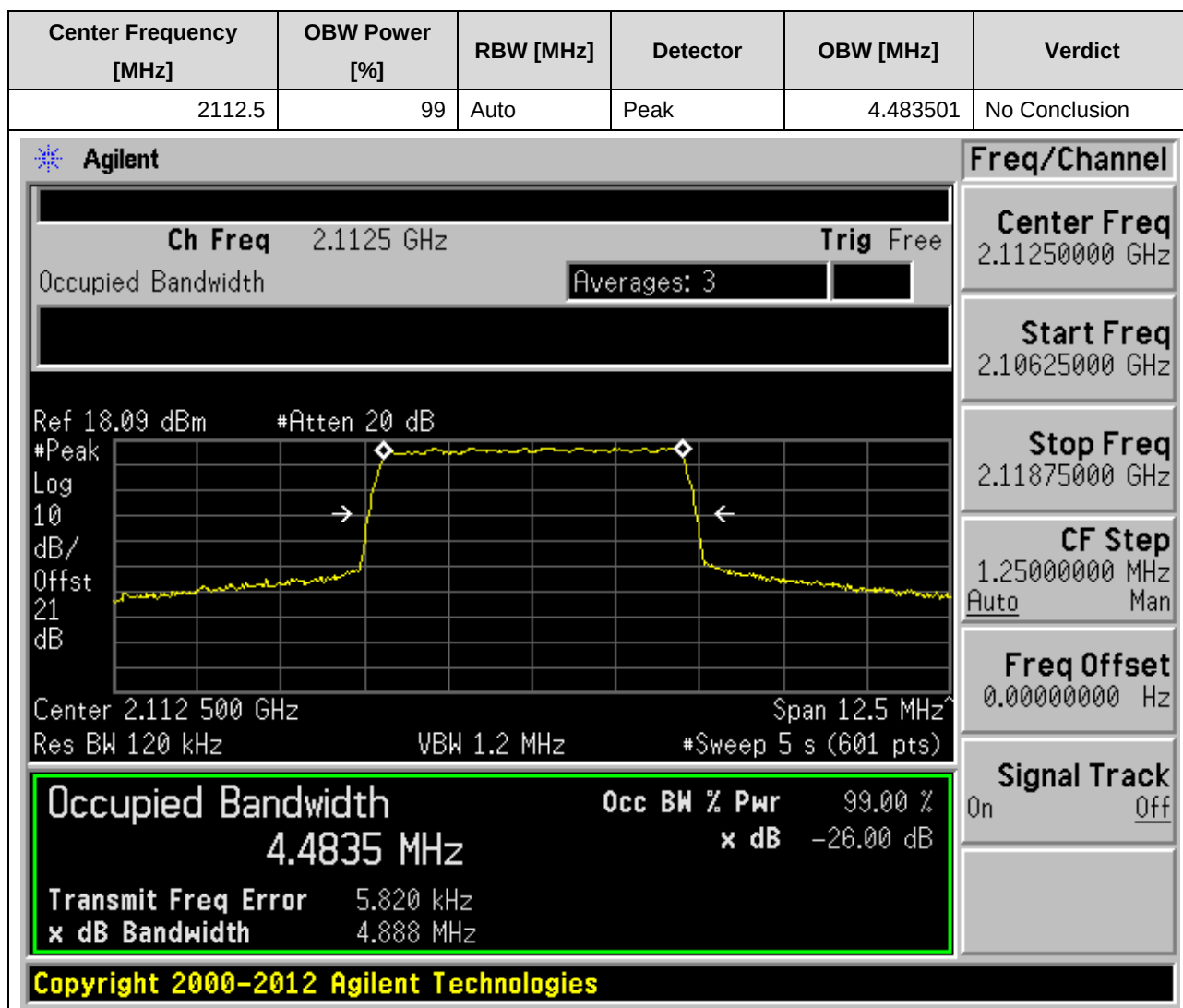
### 1.2 Emission Bandwidth

| EUT Conf. | Emission Bandwidth, -26 dBc [MHz] | Emission Bandwidth, -20 dBc [MHz] | Verdict |
|-----------|-----------------------------------|-----------------------------------|---------|
| 5M_B      | 4.77376                           | ---                               | ---     |
| 5M_M      | 4.77376                           | ---                               | ---     |
| 5M_T      | 4.773888                          | ---                               | ---     |
| 10M_B     | 9.353728                          | ---                               | ---     |
| 10M_M     | 9.353728                          | ---                               | ---     |
| 10M_T     | 9.353856                          | ---                               | ---     |
| 15M_B     | 13.883648                         | ---                               | ---     |
| 15M_M     | 13.923712                         | ---                               | ---     |
| 15M_T     | 13.933696                         | ---                               | ---     |
| 20M_B     | 18.453632                         | ---                               | ---     |
| 20M_M     | 18.463744                         | ---                               | ---     |
| 20M_T     | 18.493824                         | ---                               | ---     |
| 1U_B      | 4.663808                          | ---                               | ---     |
| 1U_M      | 4.69376                           | ---                               | ---     |
| 1U_T      | 4.69376                           | ---                               | ---     |

## 2 Test Plot

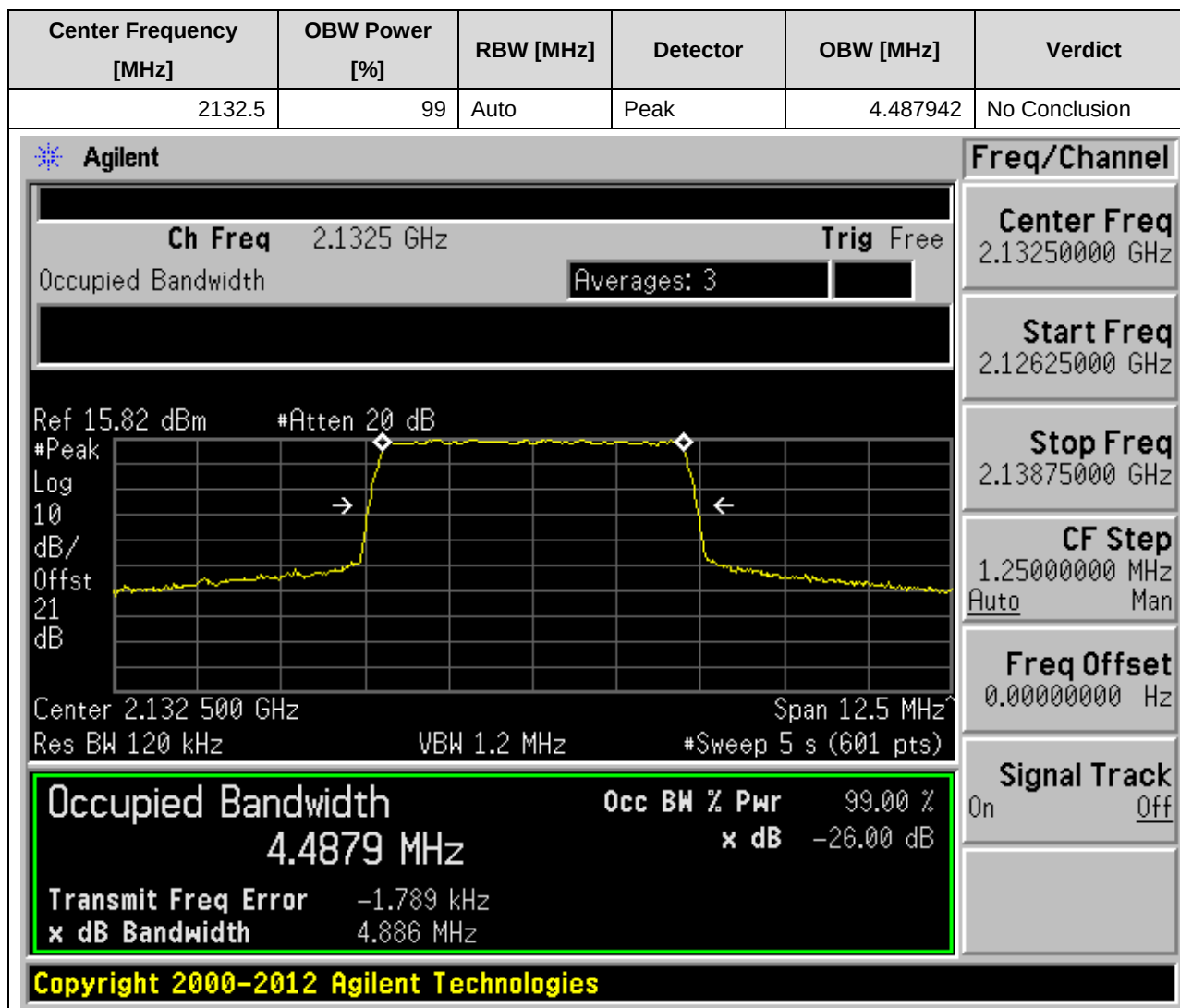
### 2.1 Occupied Bandwidth

#### 2.1.1 5M\_B

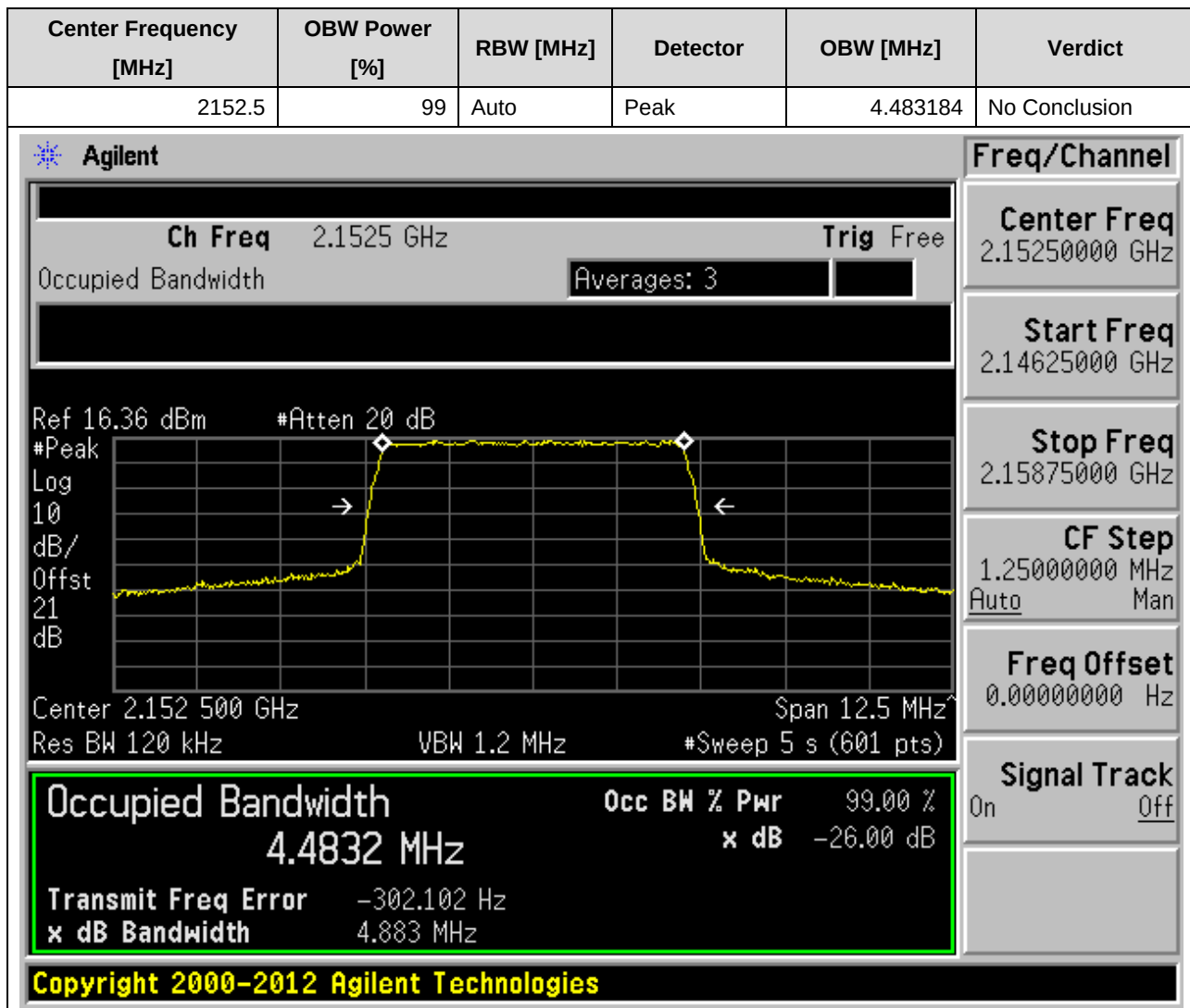




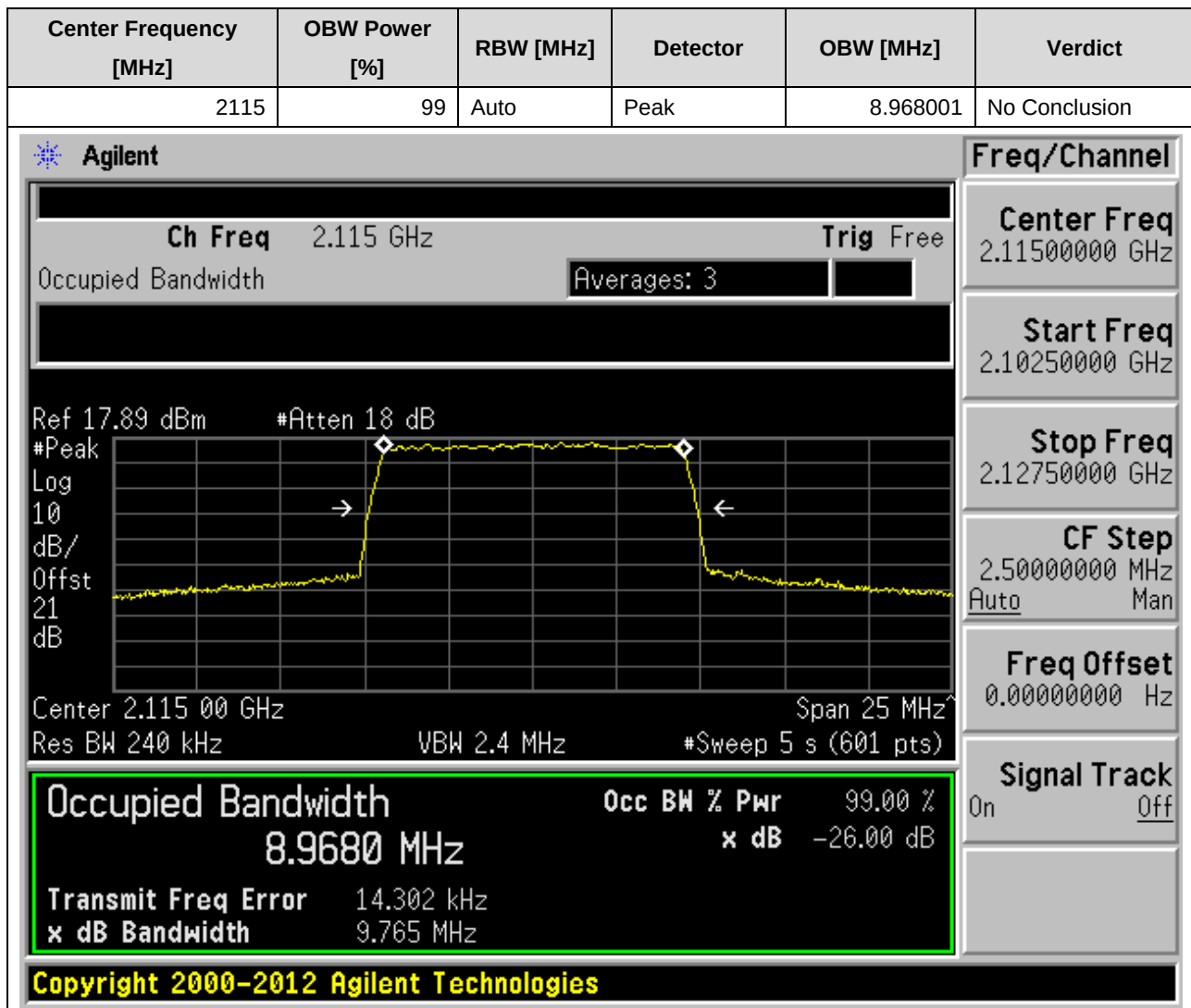
## 2.1.2 5M\_M



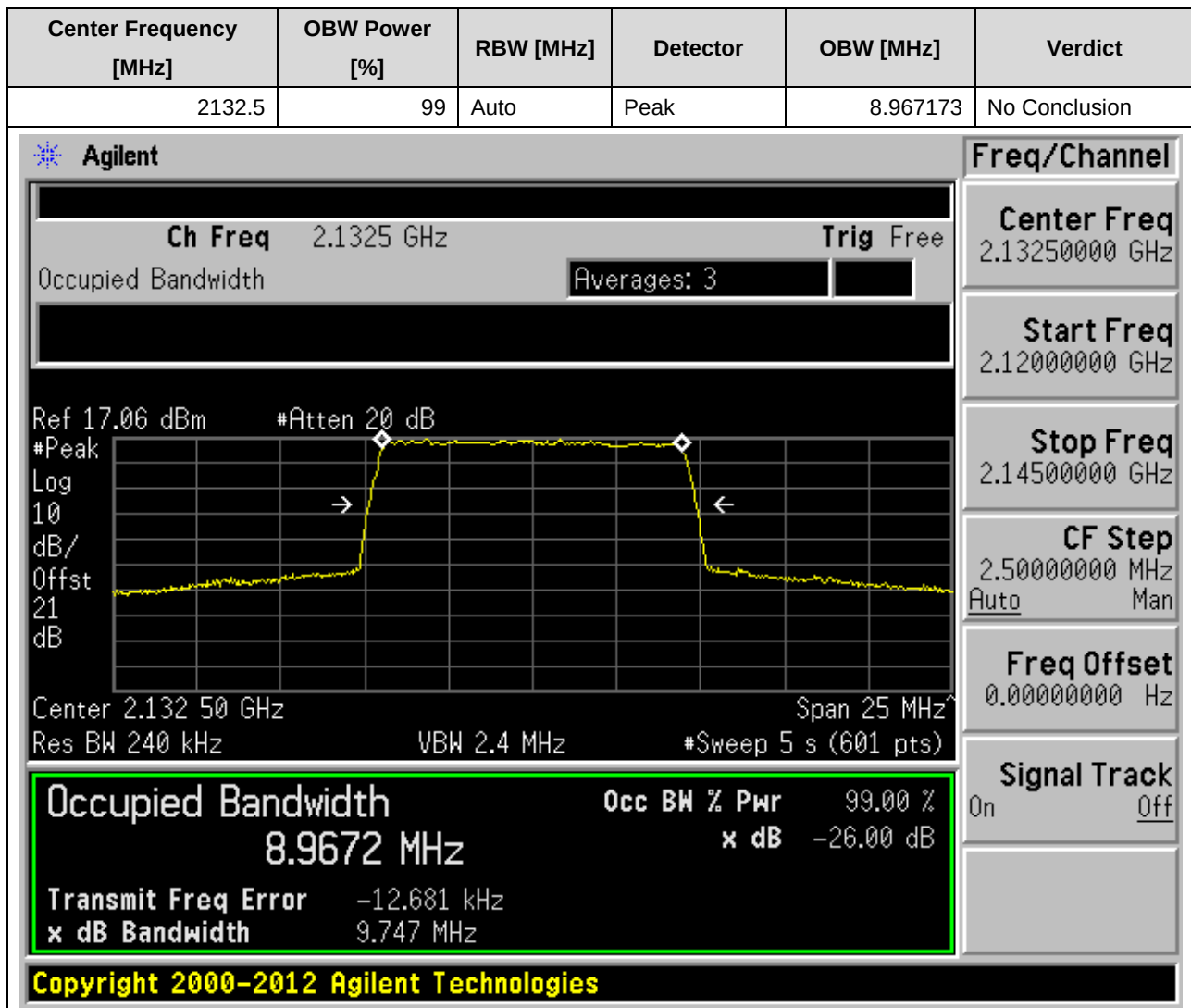
### 2.1.3 5M\_T



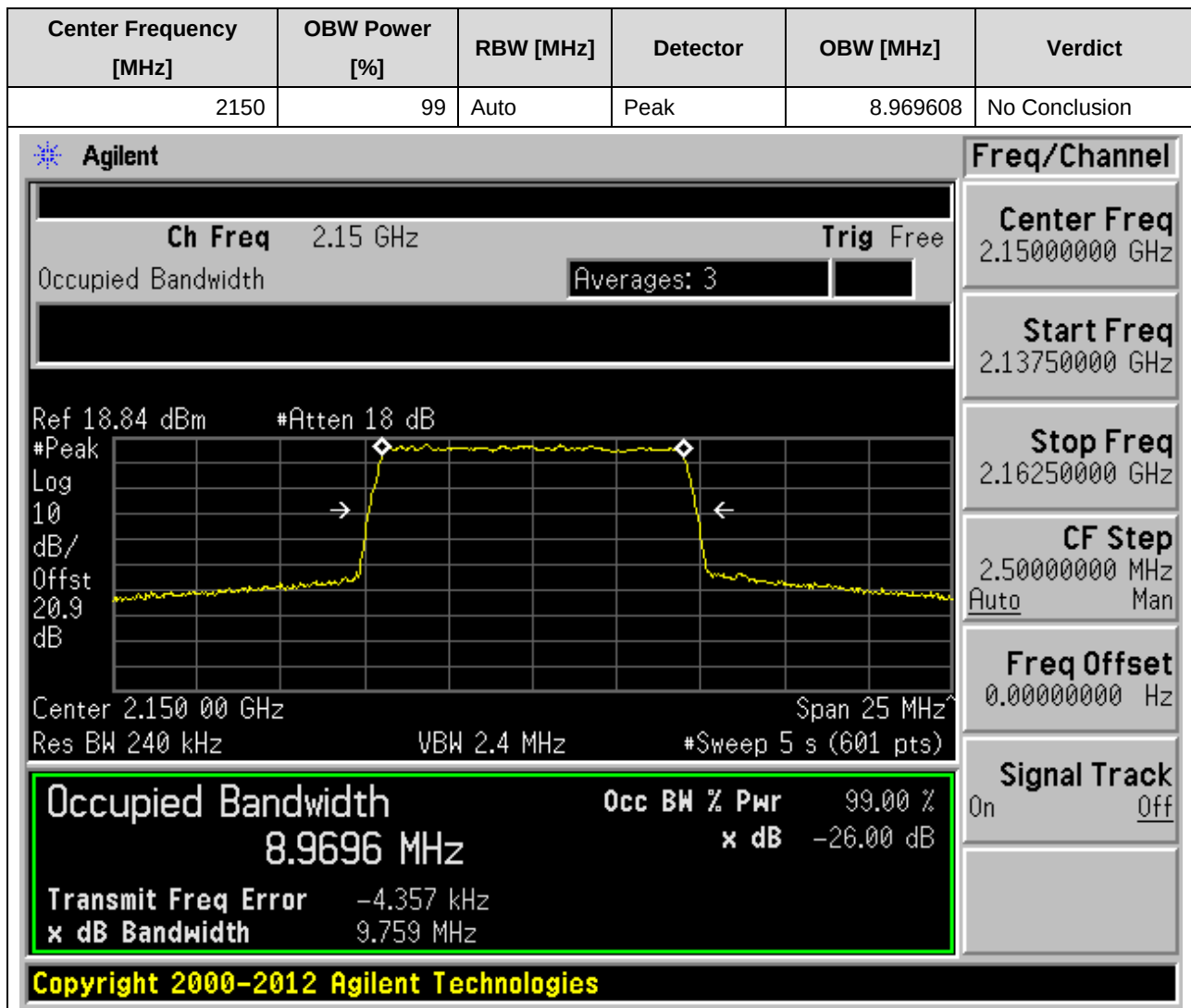
## 2.1.4 10M\_B



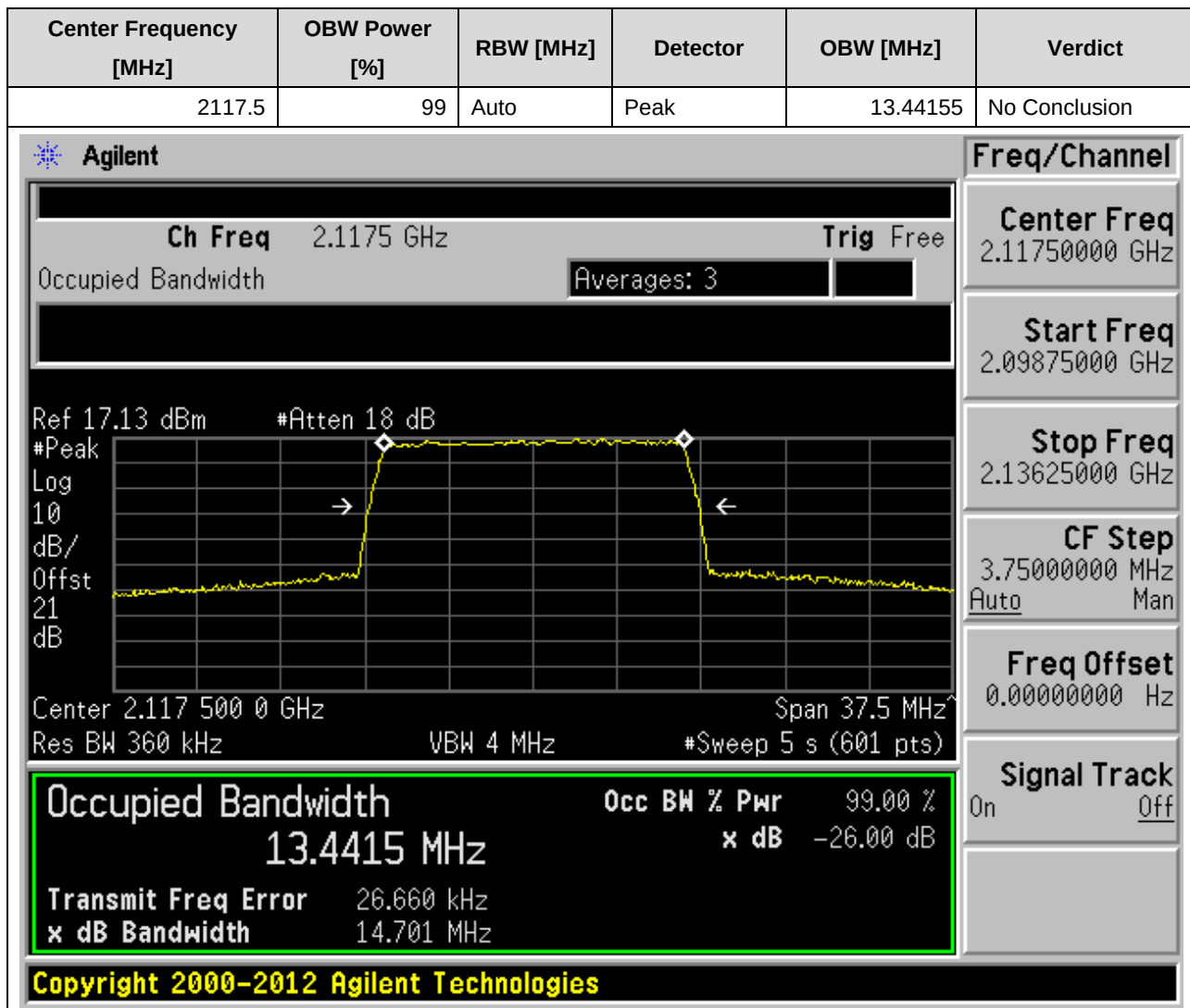
## 2.1.5 10M\_M



## 2.1.6 10M\_T

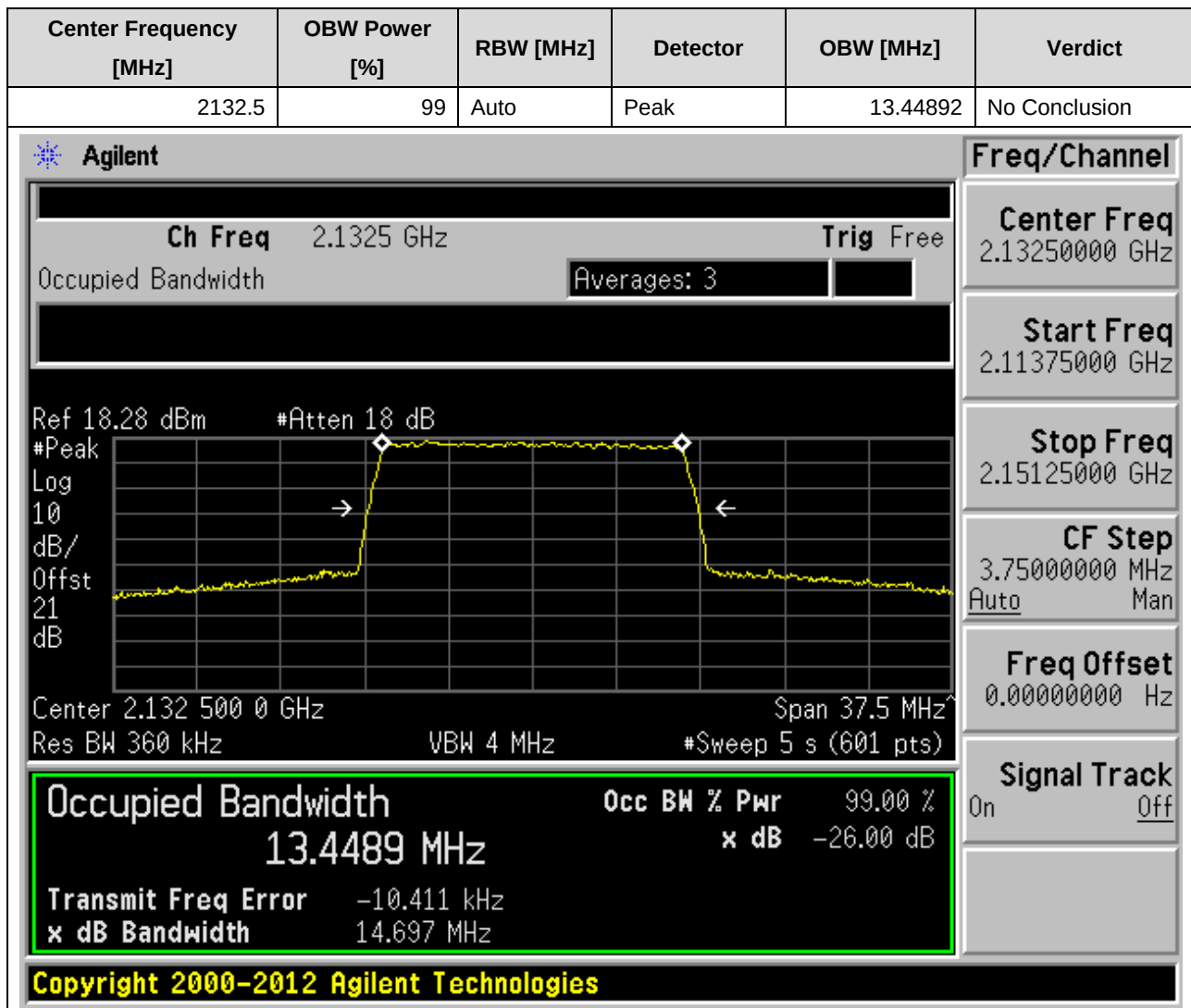


## 2.1.7 15M\_B

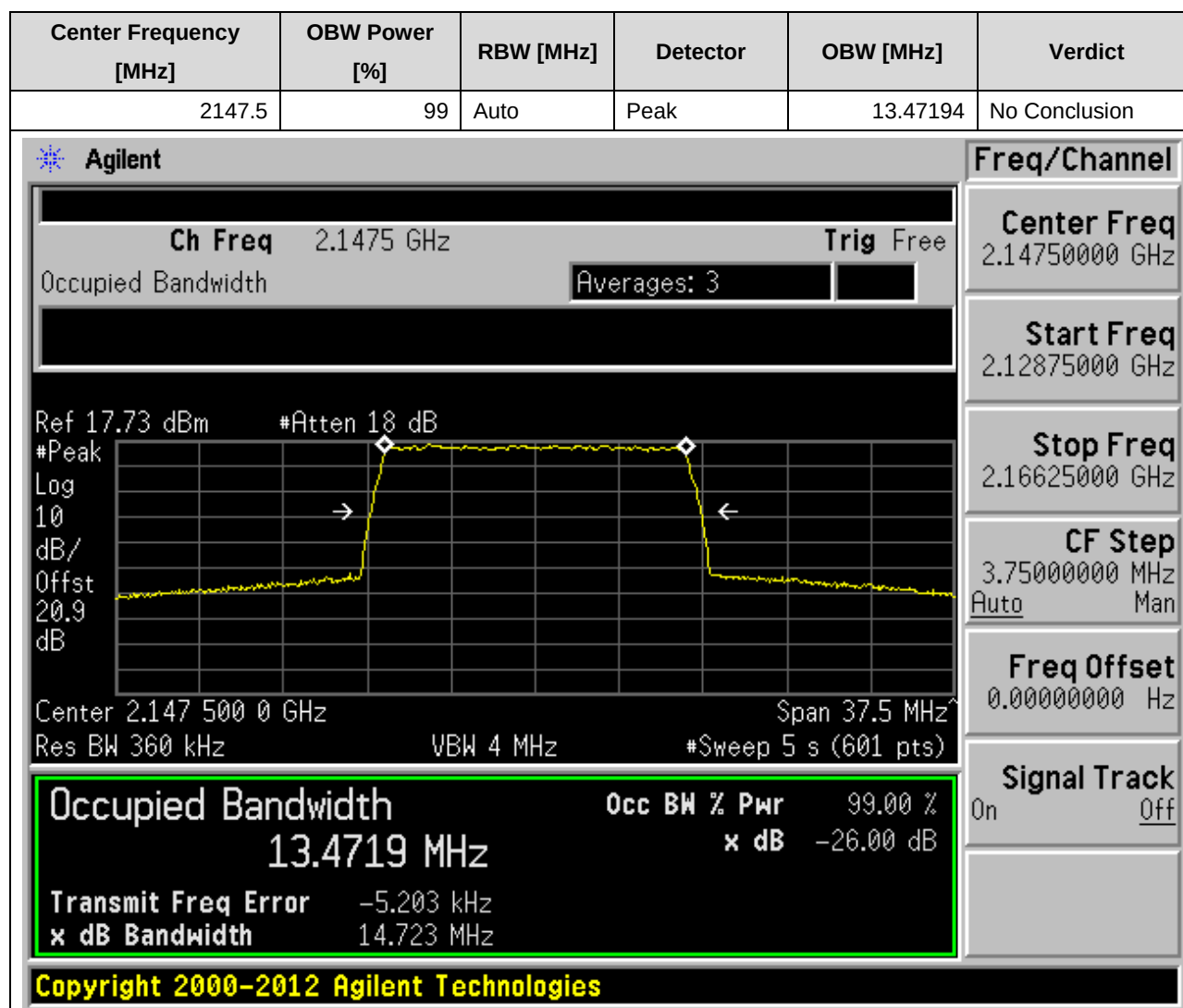




## 2.1.8 15M\_M

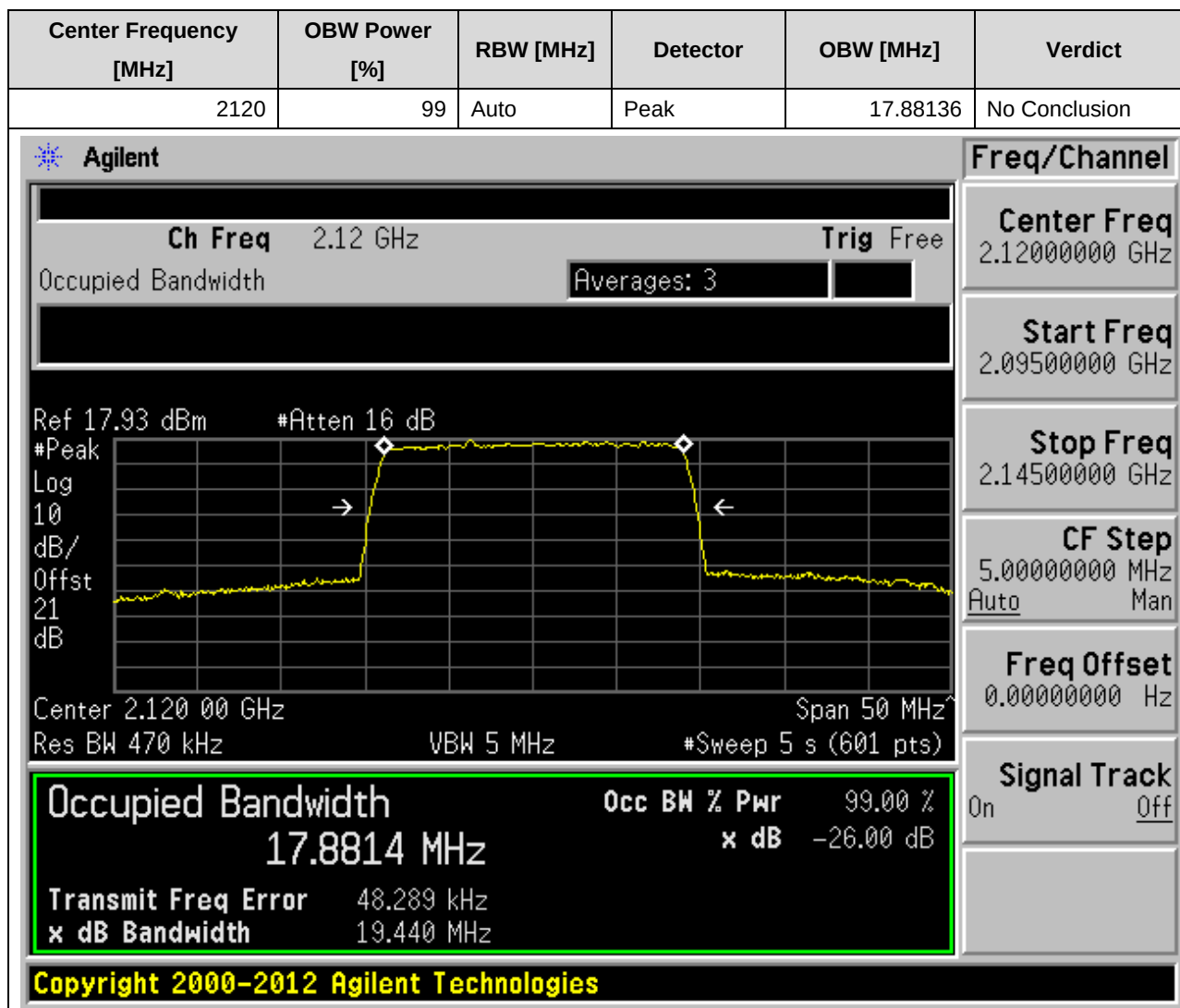


## 2.1.9 15M\_T



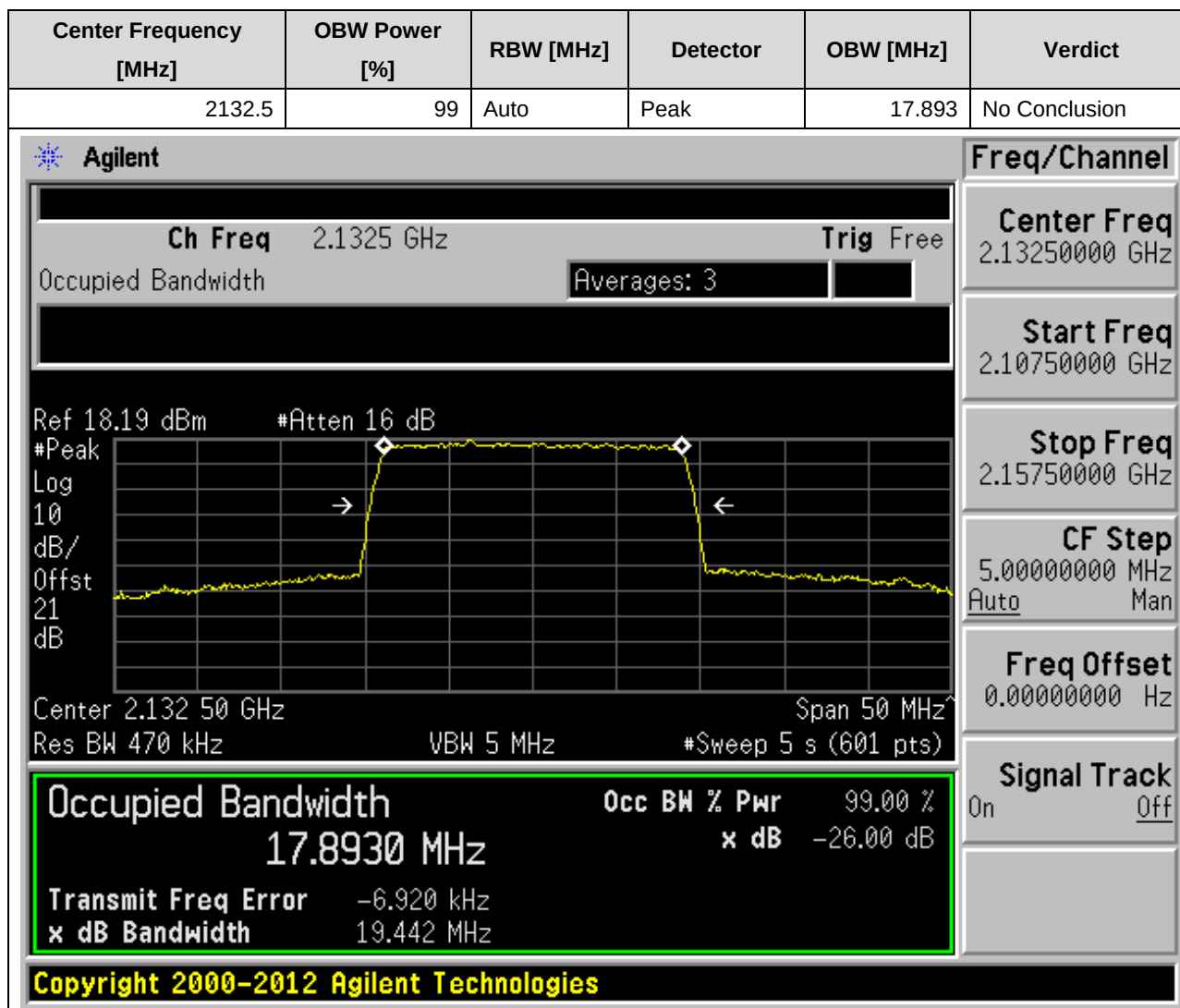


## 2.1.10 20M\_B

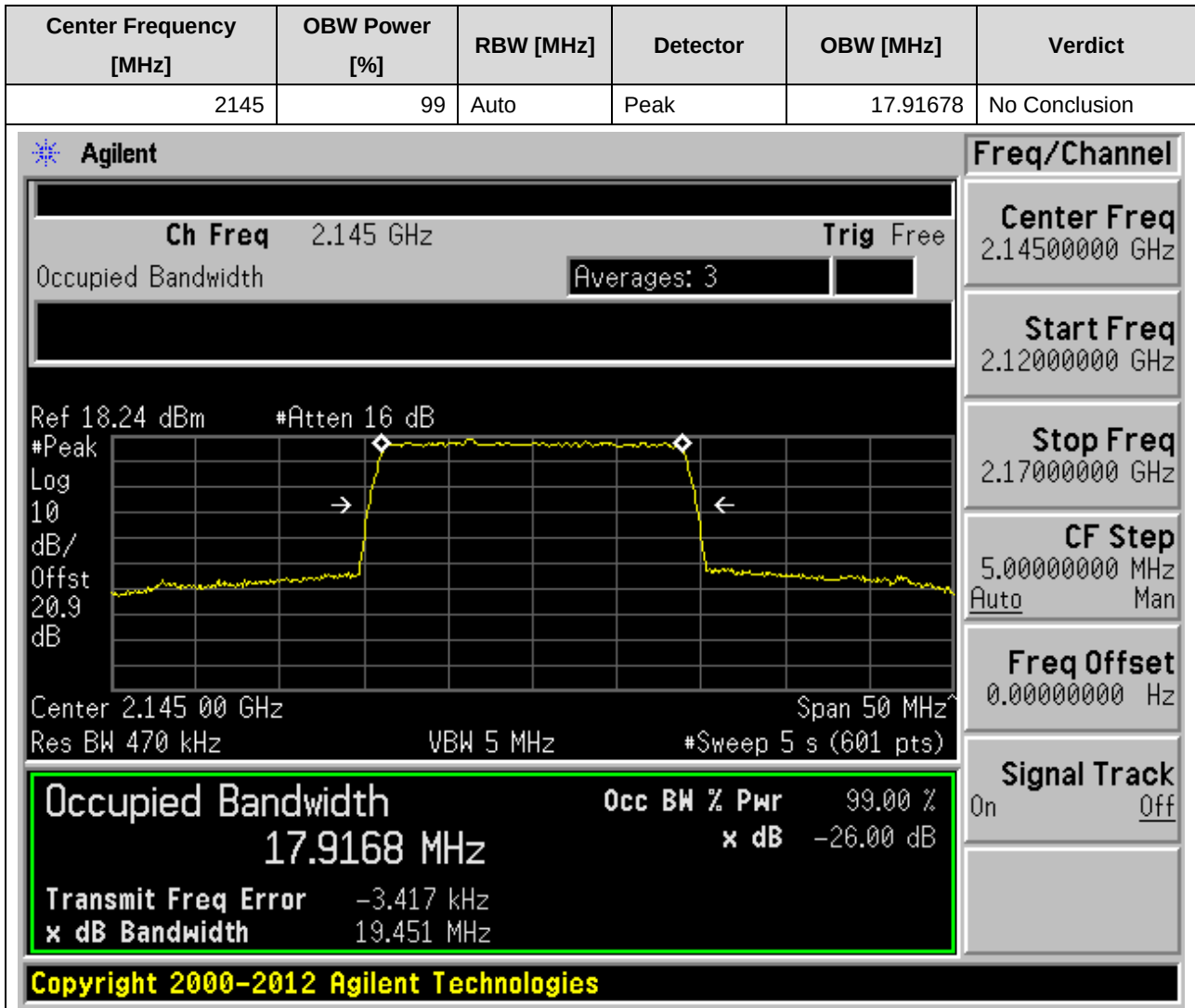




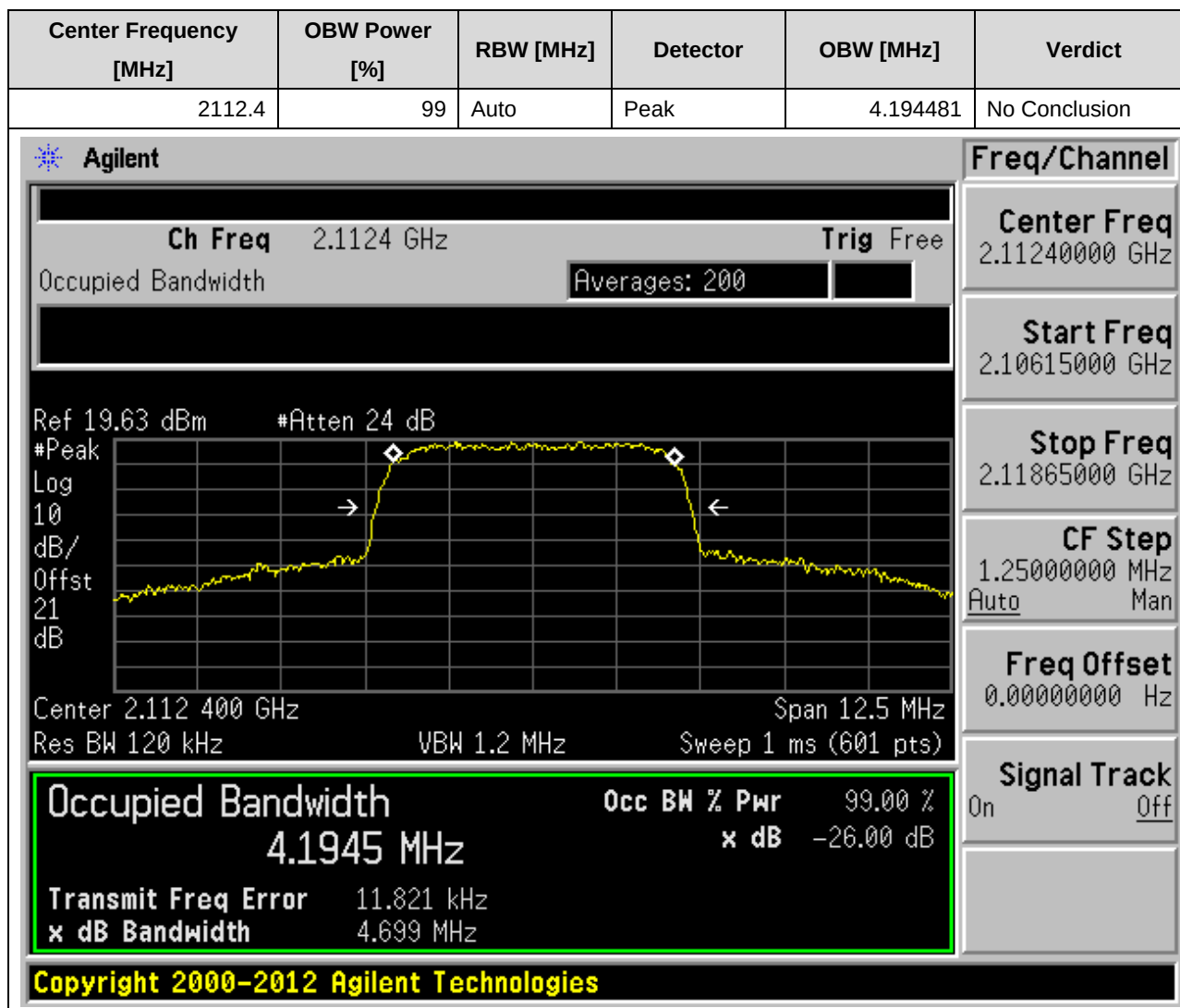
## 2.1.11 20M\_M



### 2.1.12 20M\_T

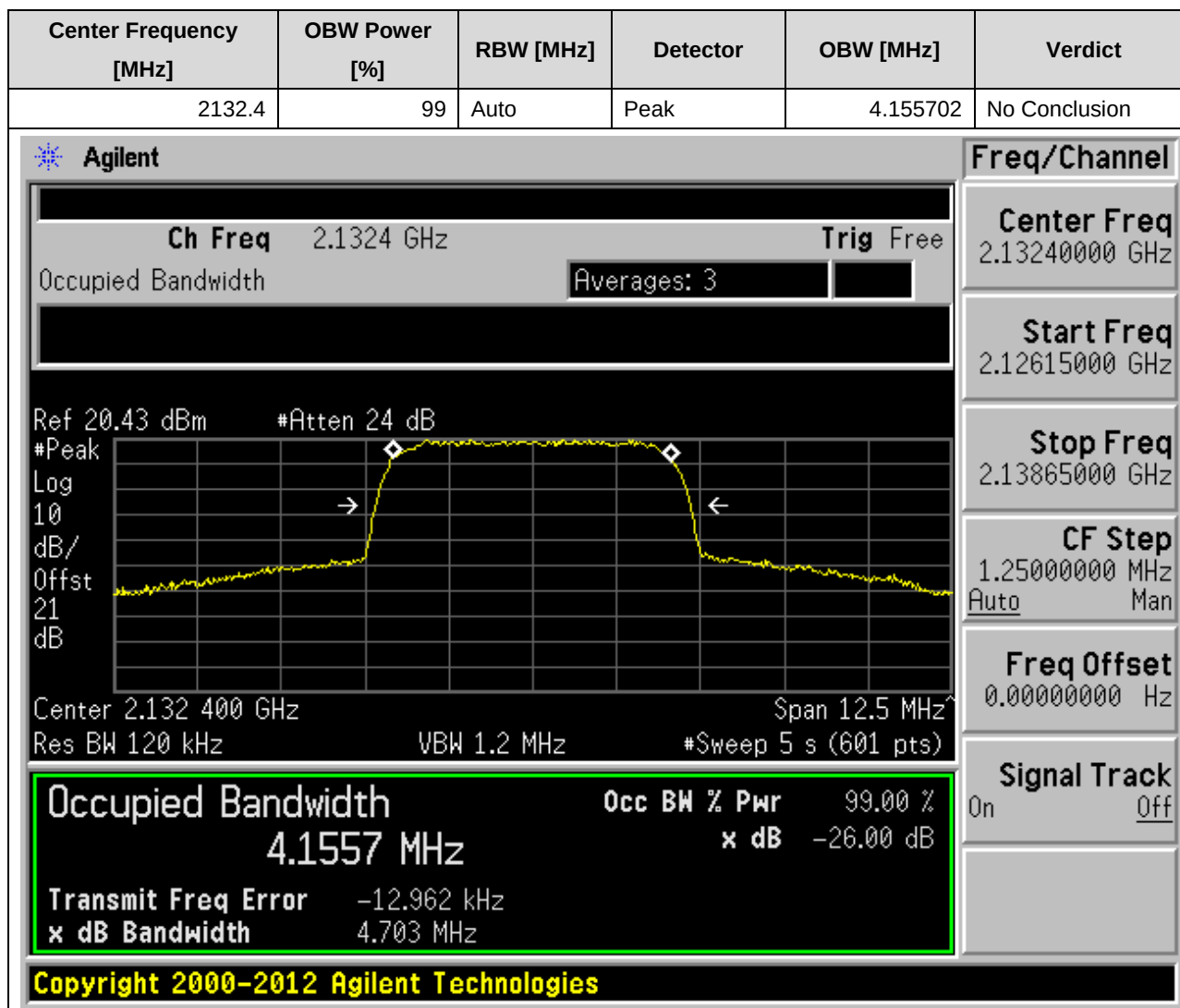


### 2.1.13 1U\_B

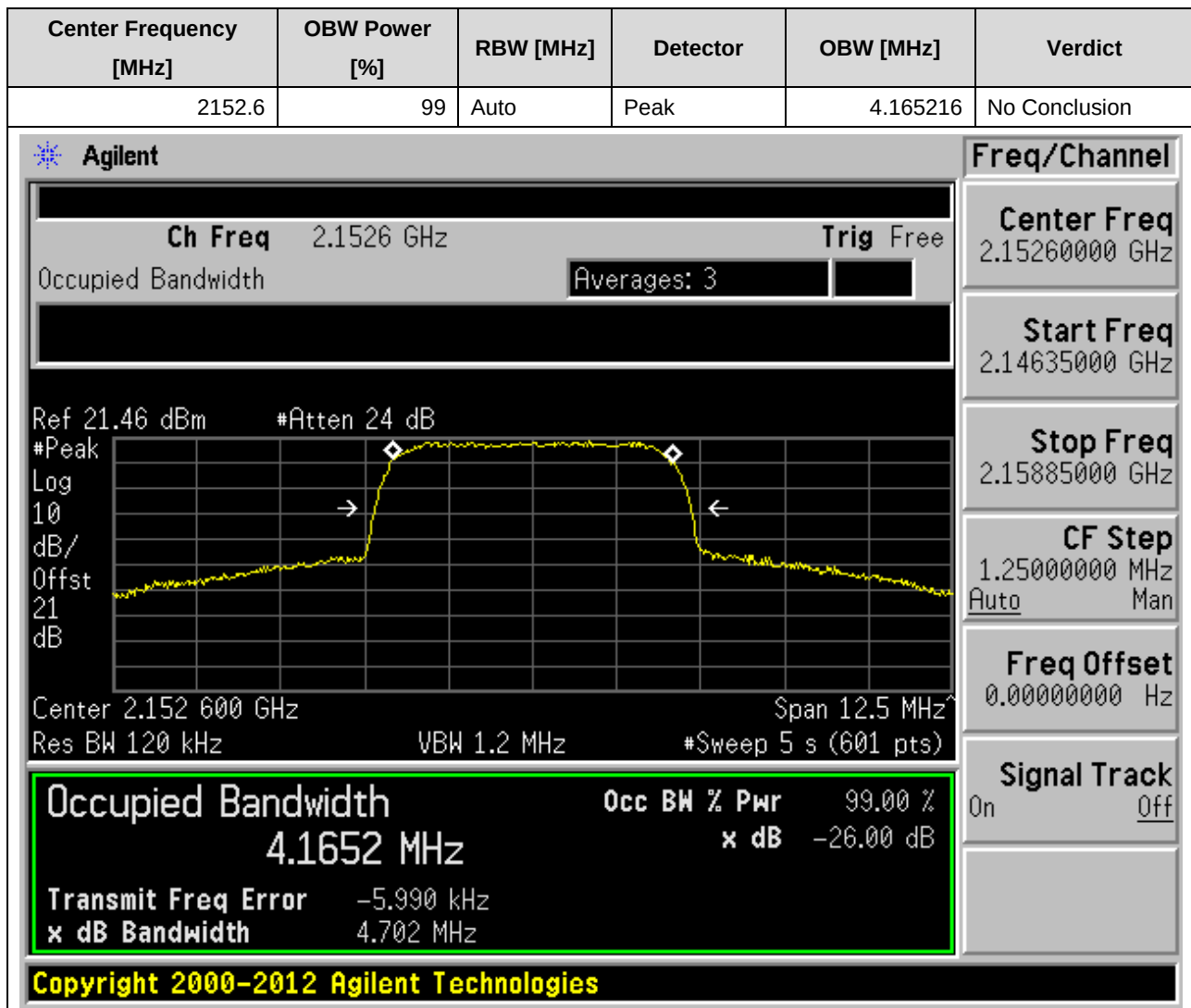




## 2.1.14 1U\_M

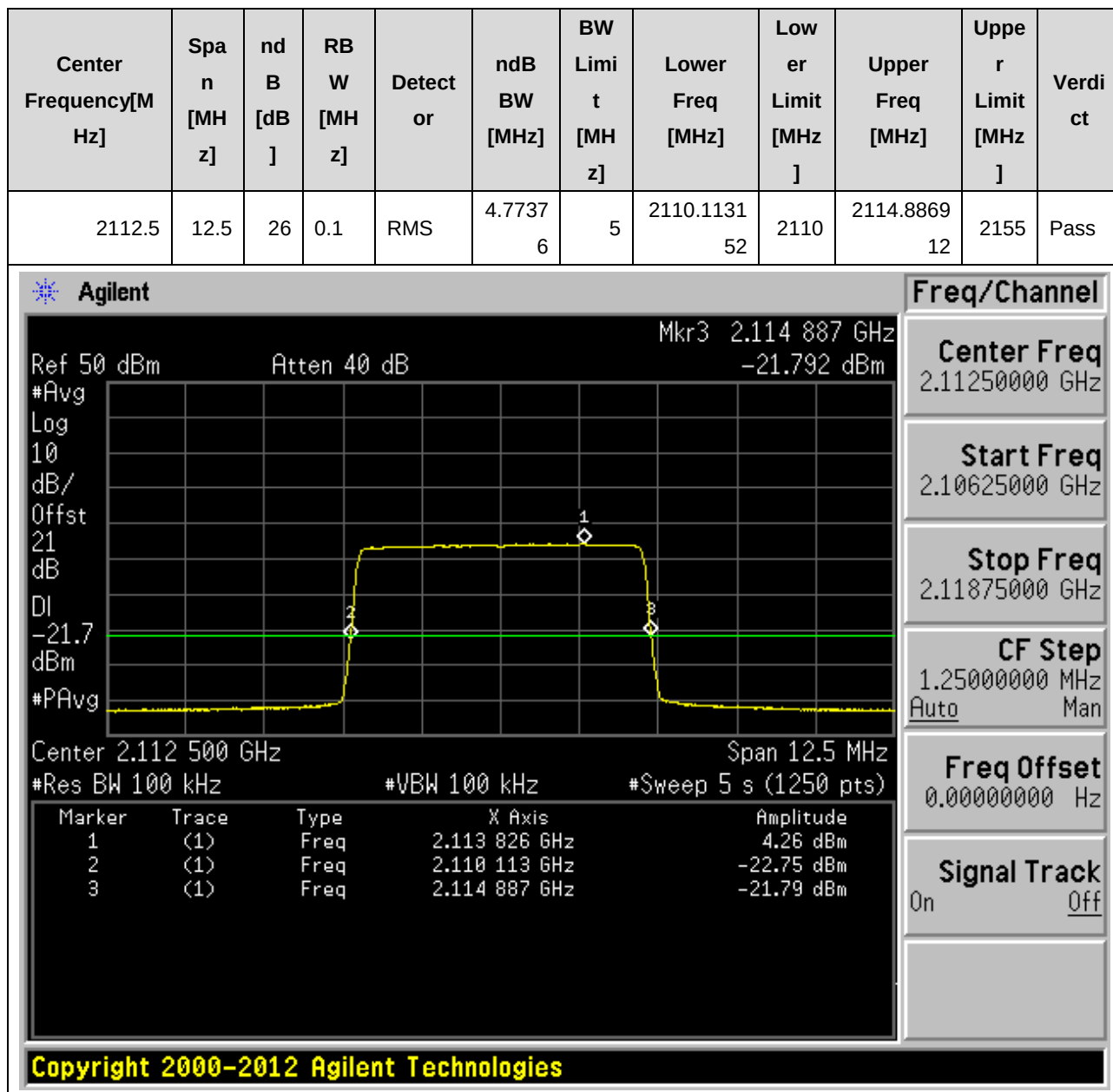


## 2.1.15 1U\_T



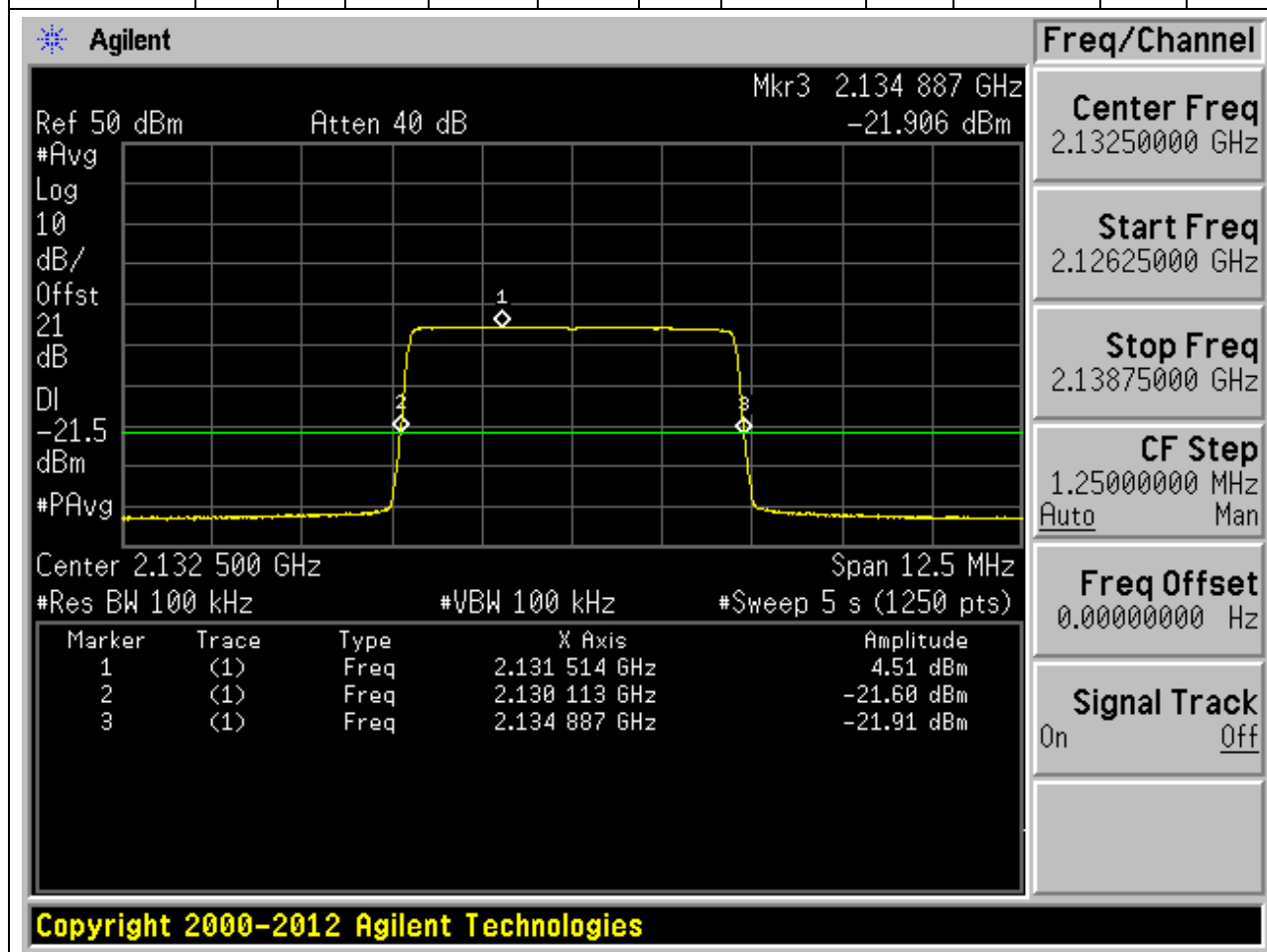
## 2.2 Emission Bandwidth

### 2.2.1 5M\_B



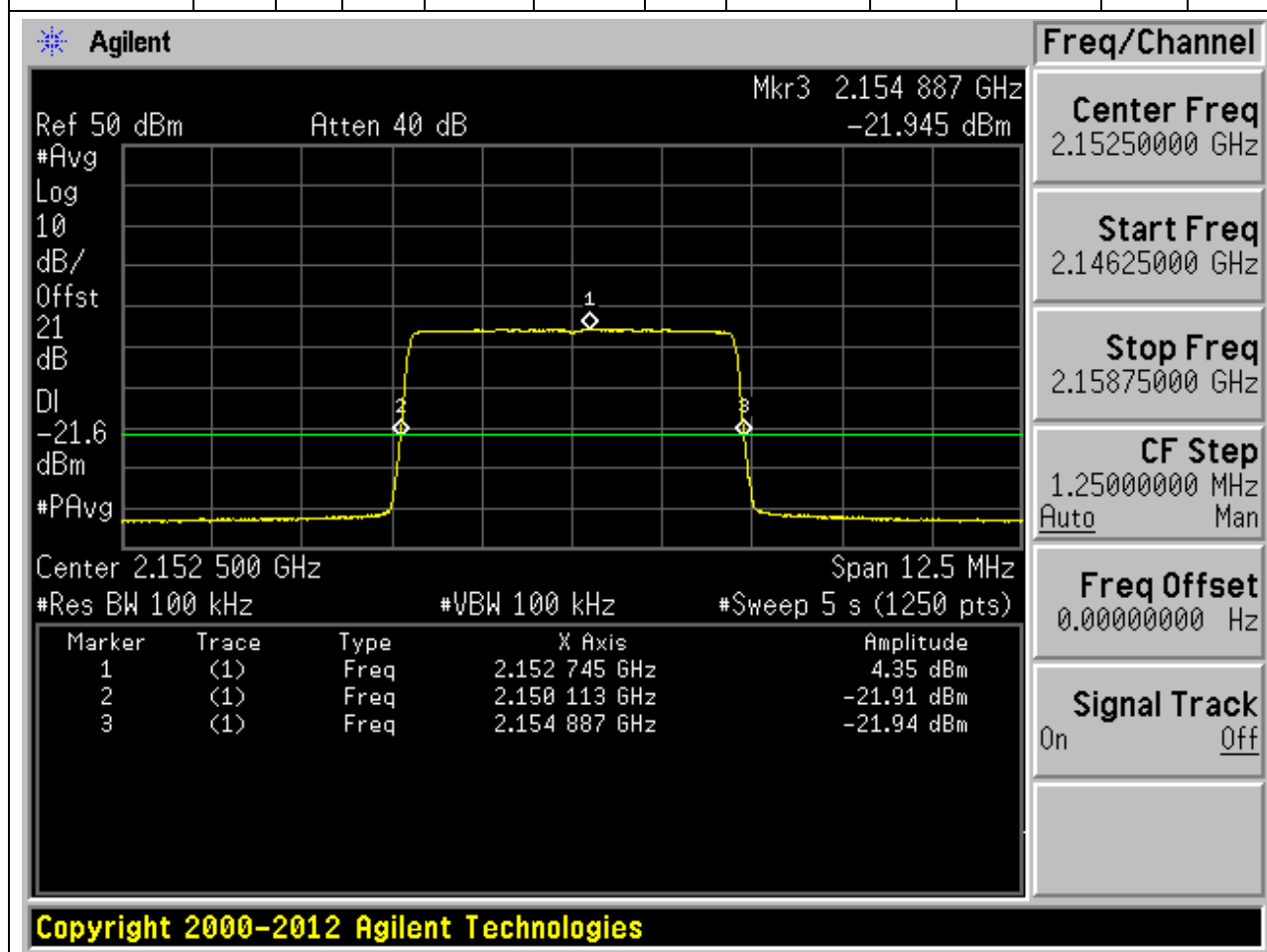
## 2.2.2 5M\_M

| Center Frequency[MHz] | Span [MHz] | nd B [dB] | RB W [MHz] | Detect or | ndB BW [MHz] | BW Limit [MHz] | Lower Freq [MHz] | Low er Limit [MHz] | Upper Freq [MHz] | Upp er Limit [MHz] | Verdict |
|-----------------------|------------|-----------|------------|-----------|--------------|----------------|------------------|--------------------|------------------|--------------------|---------|
| 2132.5                | 12.5       | 26        | 0.1        | RMS       | 4.77376      | 5              | 2130.113152      | 2110               | 2134.886912      | 2155               | Pass    |



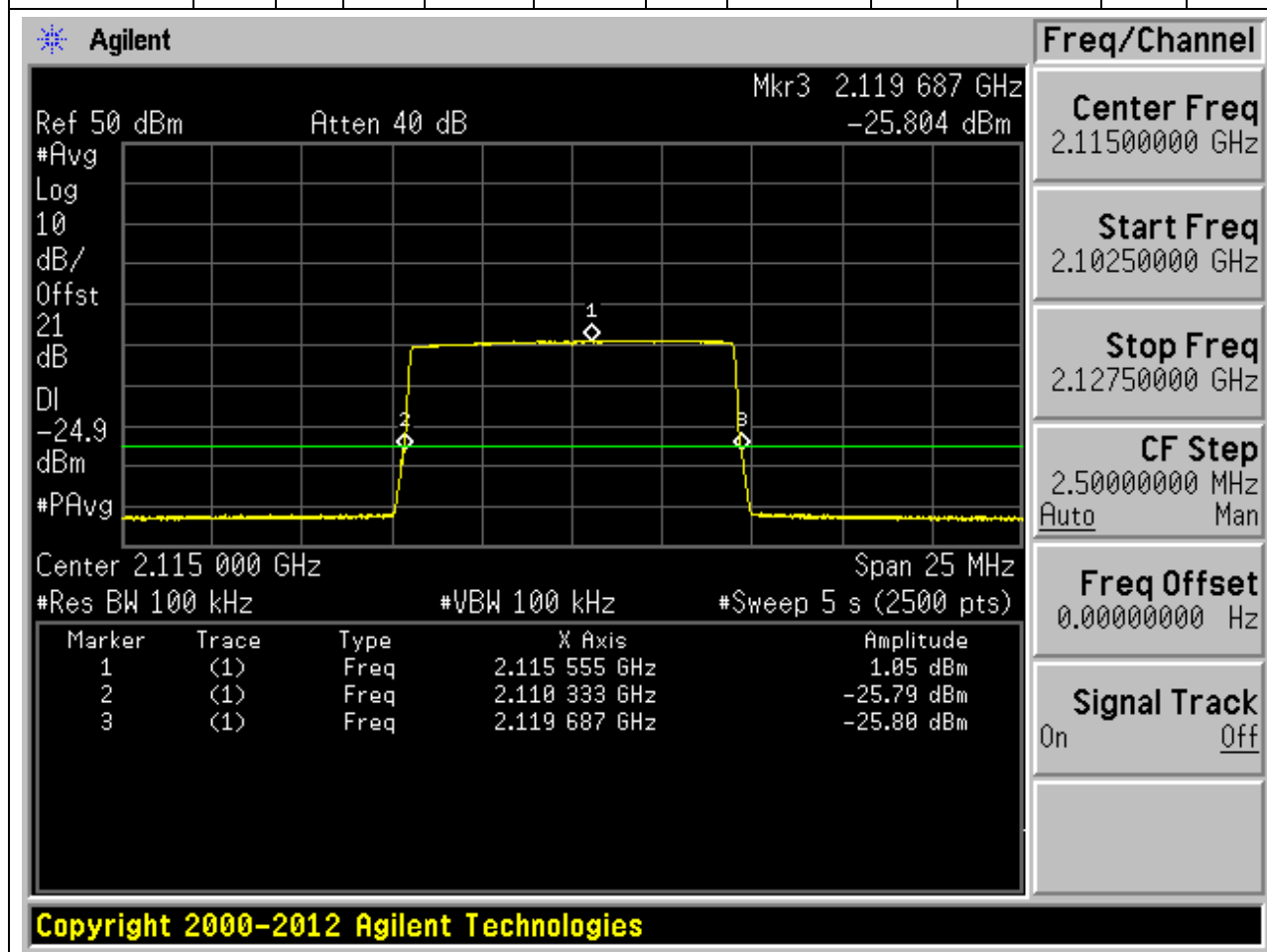
## 2.2.3 5M\_T

| Center Frequency[MHz] | Span [MHz] | nd B [dB] | RB W [MHz] | Detect or | ndB BW [MHz] | BW Limit [MHz] | Lower Freq [MHz] | Low er Limit [MHz] | Upper Freq [MHz] | Upp er Limit [MHz] | Verdict |
|-----------------------|------------|-----------|------------|-----------|--------------|----------------|------------------|--------------------|------------------|--------------------|---------|
| 2152.5                | 12.5       | 26        | 0.1        | RMS       | 4.773888     | 5              | 2150.113024      | 2110               | 2154.886912      | 2155               | Pass    |



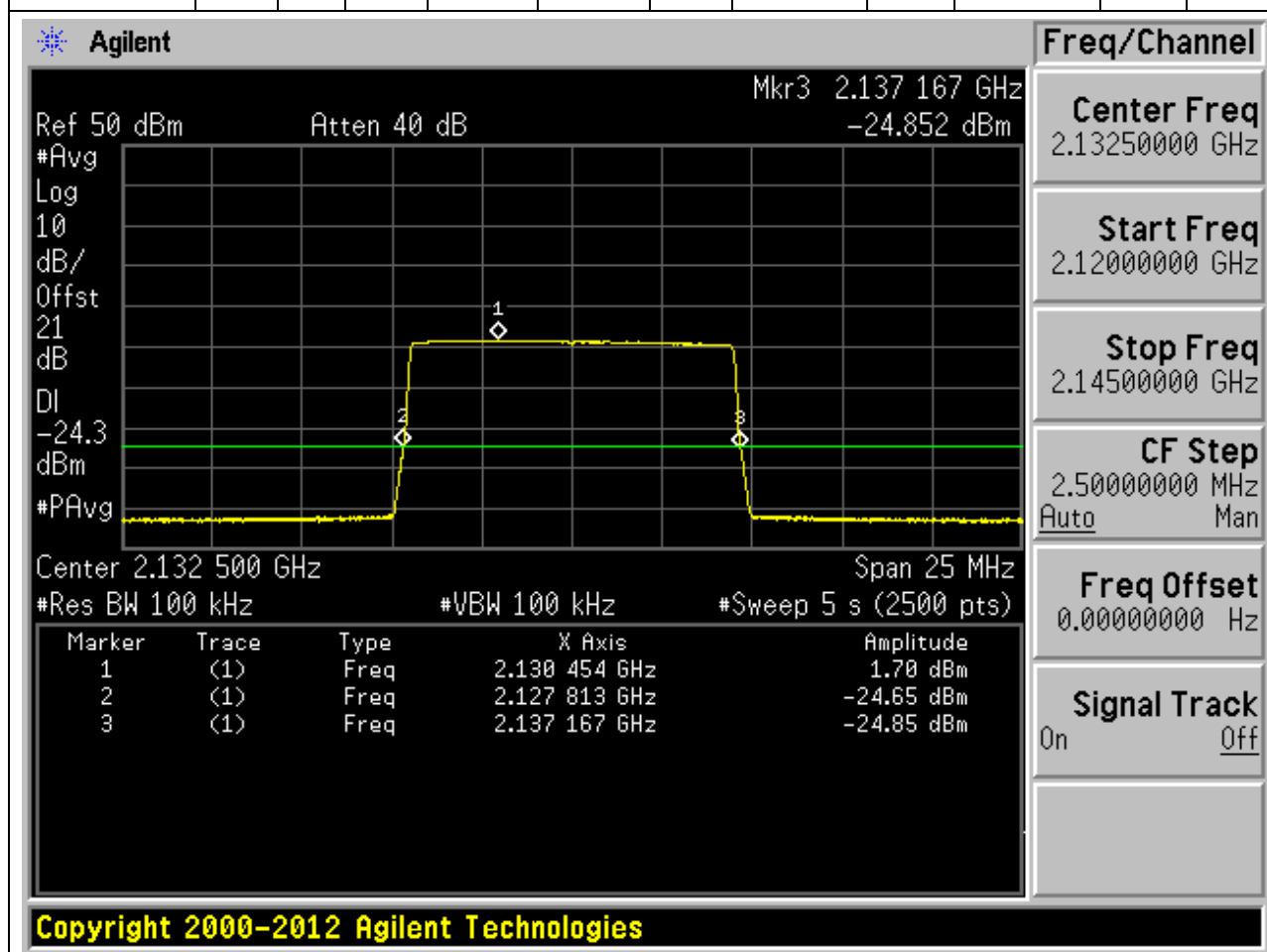
## 2.2.4 10M\_B

| Center Frequency[MHz] | Span [MHz] | nd B [dB] | RB W [MHz] | Detect or | ndB BW [MHz] | BW Limit [MHz] | Lower Freq [MHz] | Low er Limit [MHz] | Upper Freq [MHz] | Upp er Limit [MHz] | Verdict |
|-----------------------|------------|-----------|------------|-----------|--------------|----------------|------------------|--------------------|------------------|--------------------|---------|
| 2115                  | 25         | 26        | 0.1        | RMS       | 9.353728     | 10             | 2110.333184      | 2110               | 2119.686912      | 2155               | Pass    |



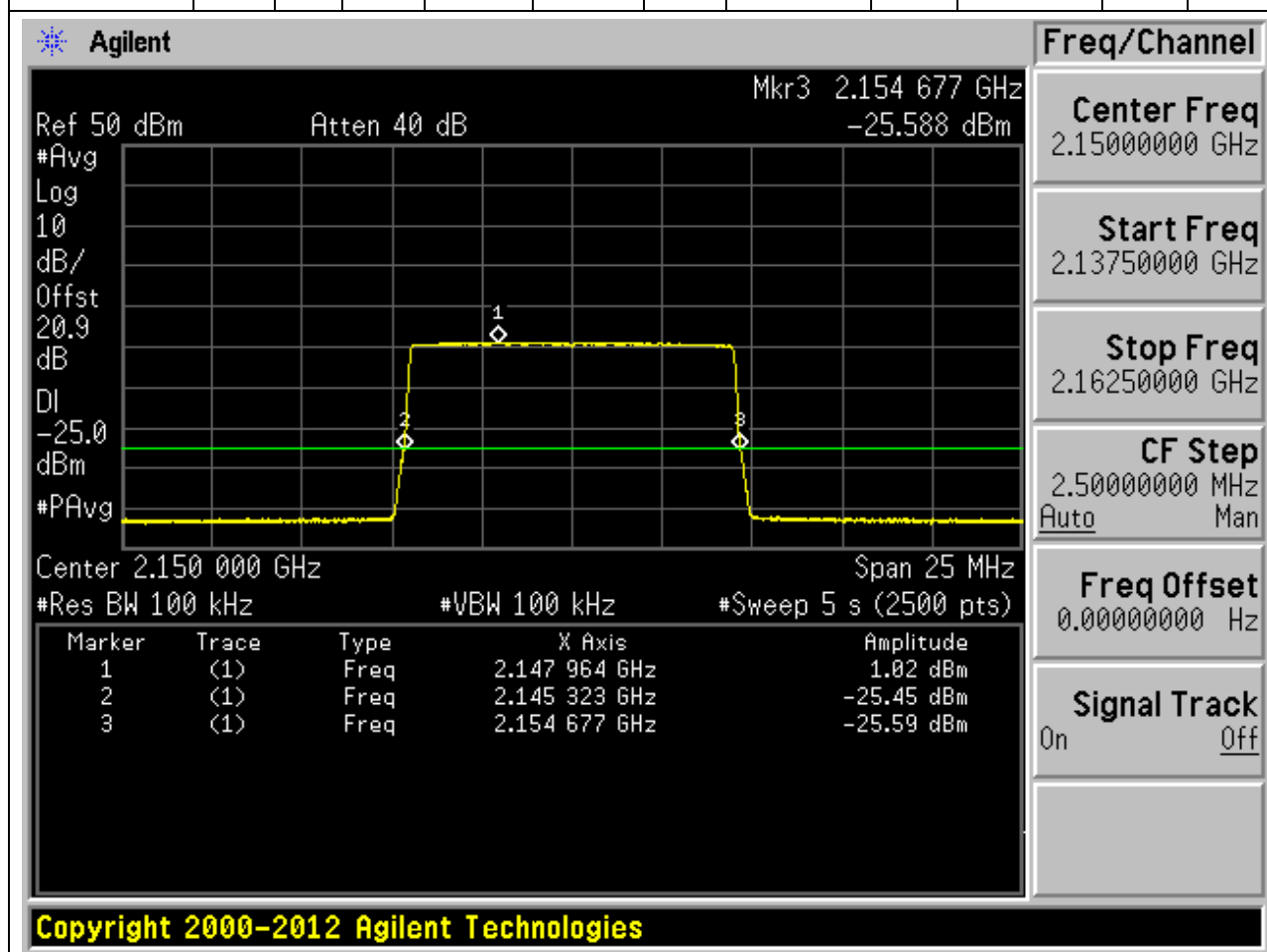
## 2.2.5 10M\_M

| Center Frequency[MHz] | Span [MHz] | nd B [dB] | RB W [MHz] | Detect or | ndB BW [MHz] | BW Limit [MHz] | Lower Freq [MHz] | Lower Limit [MHz] | Upper Freq [MHz] | Upper Limit [MHz] | Verdict |
|-----------------------|------------|-----------|------------|-----------|--------------|----------------|------------------|-------------------|------------------|-------------------|---------|
| 2132.5                | 25         | 26        | 0.1        | RMS       | 9.353728     | 10             | 2127.81312       | 2110              | 2137.166848      | 2155              | Pass    |



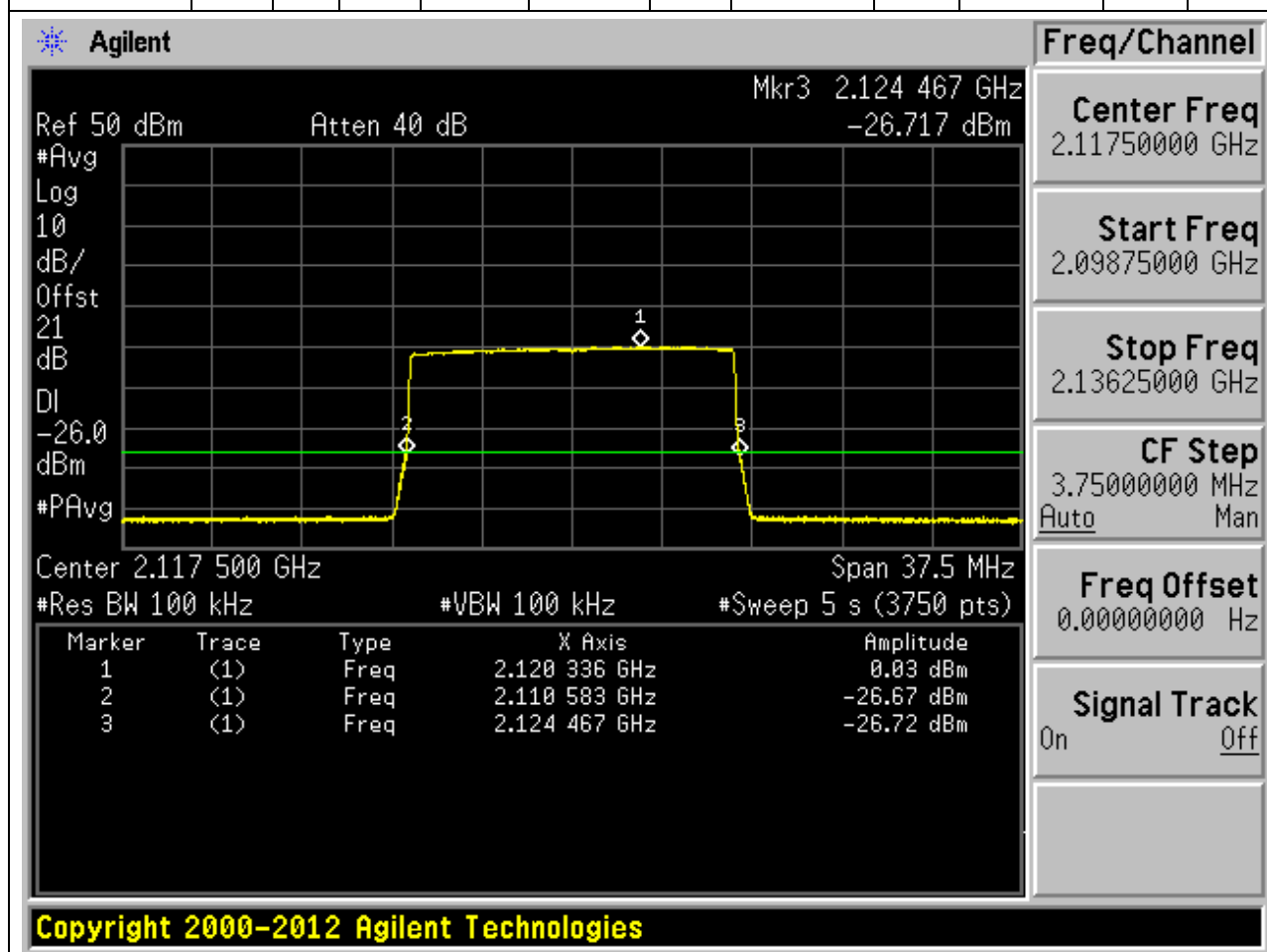
## 2.2.6 10M\_T

| Center Frequency[MHz] | Span [MHz] | nd B [dB] | RB W [MHz] | Detect or | ndB BW [MHz] | BW Limit [MHz] | Lower Freq [MHz] | Low er Limit [MHz] | Upper Freq [MHz] | Upp er Limit [MHz] | Verdict |
|-----------------------|------------|-----------|------------|-----------|--------------|----------------|------------------|--------------------|------------------|--------------------|---------|
| 2150                  | 25         | 26        | 0.1        | RMS       | 9.3538<br>56 | 10             | 2145.3231<br>36  | 2110               | 2154.6769<br>92  | 2155               | Pass    |



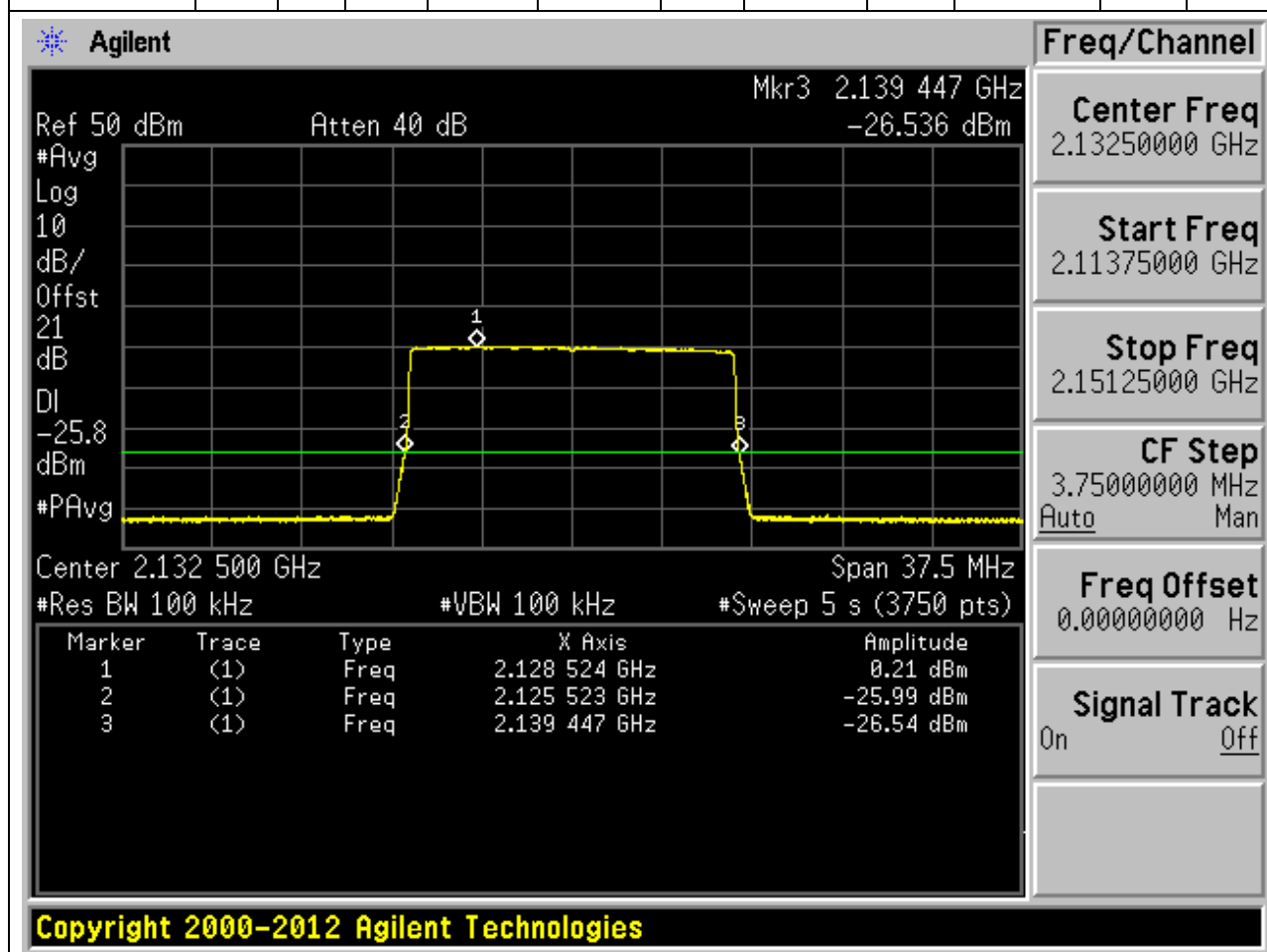
## 2.2.7 15M\_B

| Center Frequency[MHz] | Span [MHz] | nd B [dB] | RB W [MHz] | Detect or | ndB BW [MHz] | BW Limit [MHz] | Lower Freq [MHz] | Low er Limit [MHz] | Upper Freq [MHz] | Upp er Limit [MHz] | Verdict |
|-----------------------|------------|-----------|------------|-----------|--------------|----------------|------------------|--------------------|------------------|--------------------|---------|
| 2117.5                | 37.5       | 26        | 0.1        | RMS       | 13.883648    | 15             | 2110.583168      | 2110               | 2124.466816      | 2155               | Pass    |



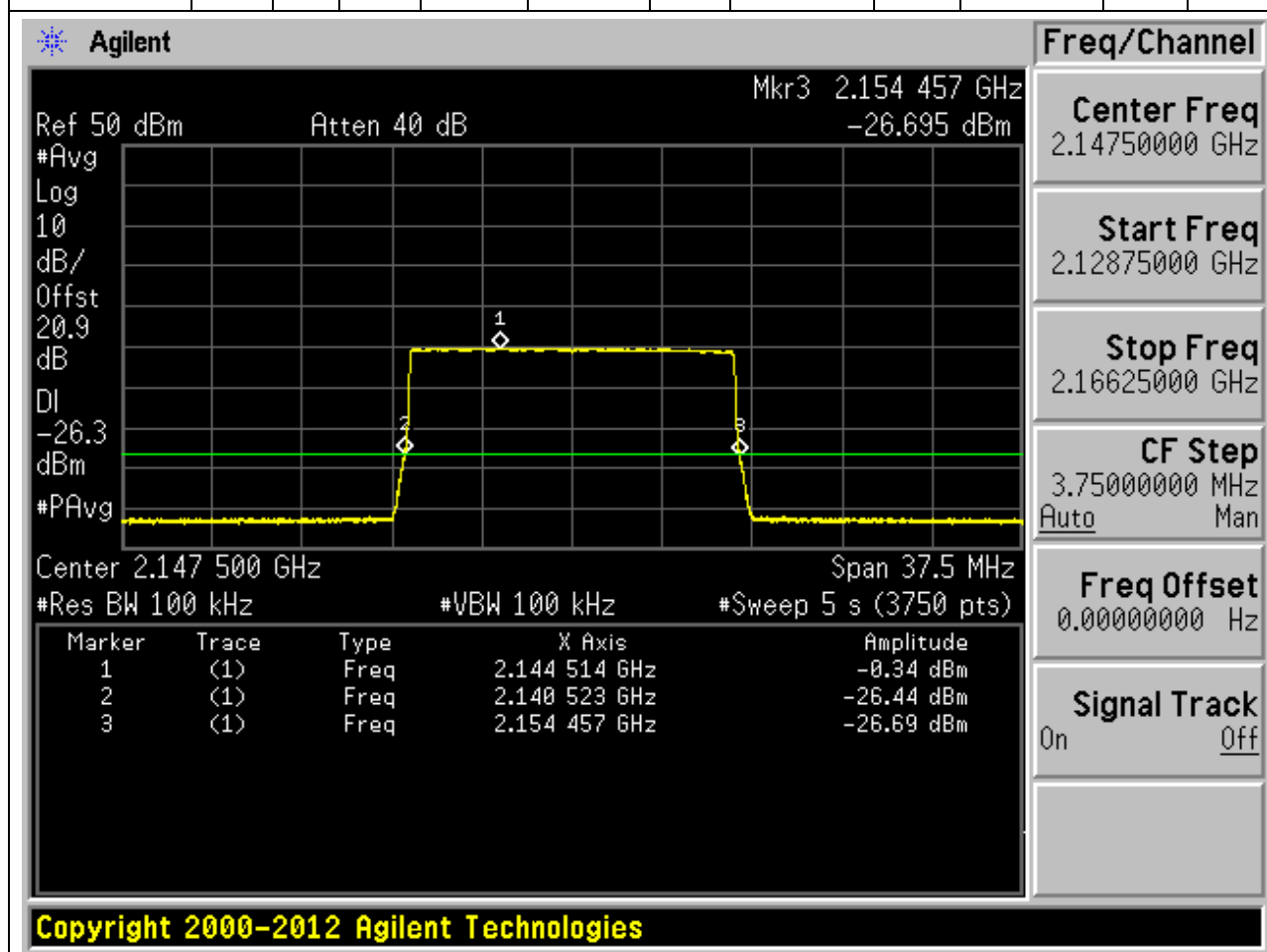
## 2.2.8 15M\_M

| Center Frequency[MHz] | Span [MHz] | nd B [dB] | RB W [MHz] | Detect or | ndB BW [MHz]  | BW Limit [MHz] | Lower Freq [MHz] | Lower Limit [MHz] | Upper Freq [MHz] | Upper Limit [MHz] | Verdict |
|-----------------------|------------|-----------|------------|-----------|---------------|----------------|------------------|-------------------|------------------|-------------------|---------|
| 2132.5                | 37.5       | 26        | 0.1        | RMS       | 13.9237<br>12 | 15             | 2125.52<br>32    | 2110              | 2139.4469<br>12  | 2155              | Pass    |



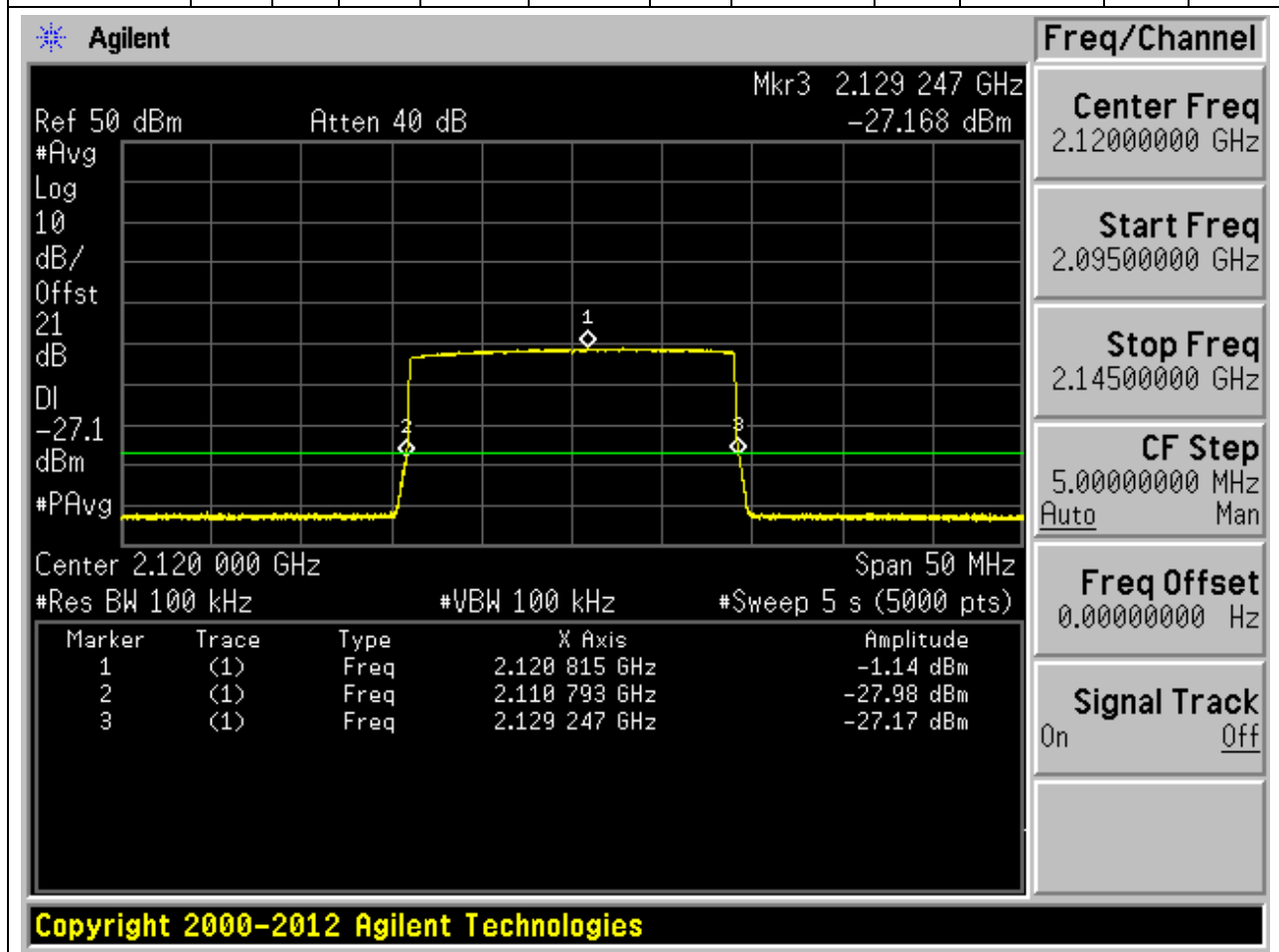
## 2.2.9 15M\_T

| Center Frequency[MHz] | Span [MHz] | nd B [dB] | RB W [MHz] | Detect or | ndB BW [MHz] | BW Limit [MHz] | Lower Freq [MHz] | Lower Limit [MHz] | Upper Freq [MHz] | Upper Limit [MHz] | Verdict |
|-----------------------|------------|-----------|------------|-----------|--------------|----------------|------------------|-------------------|------------------|-------------------|---------|
| 2147.5                | 37.5       | 26        | 0.1        | RMS       | 13.933696    | 15             | 2140.523136      | 2110              | 2154.456832      | 2155              | Pass    |



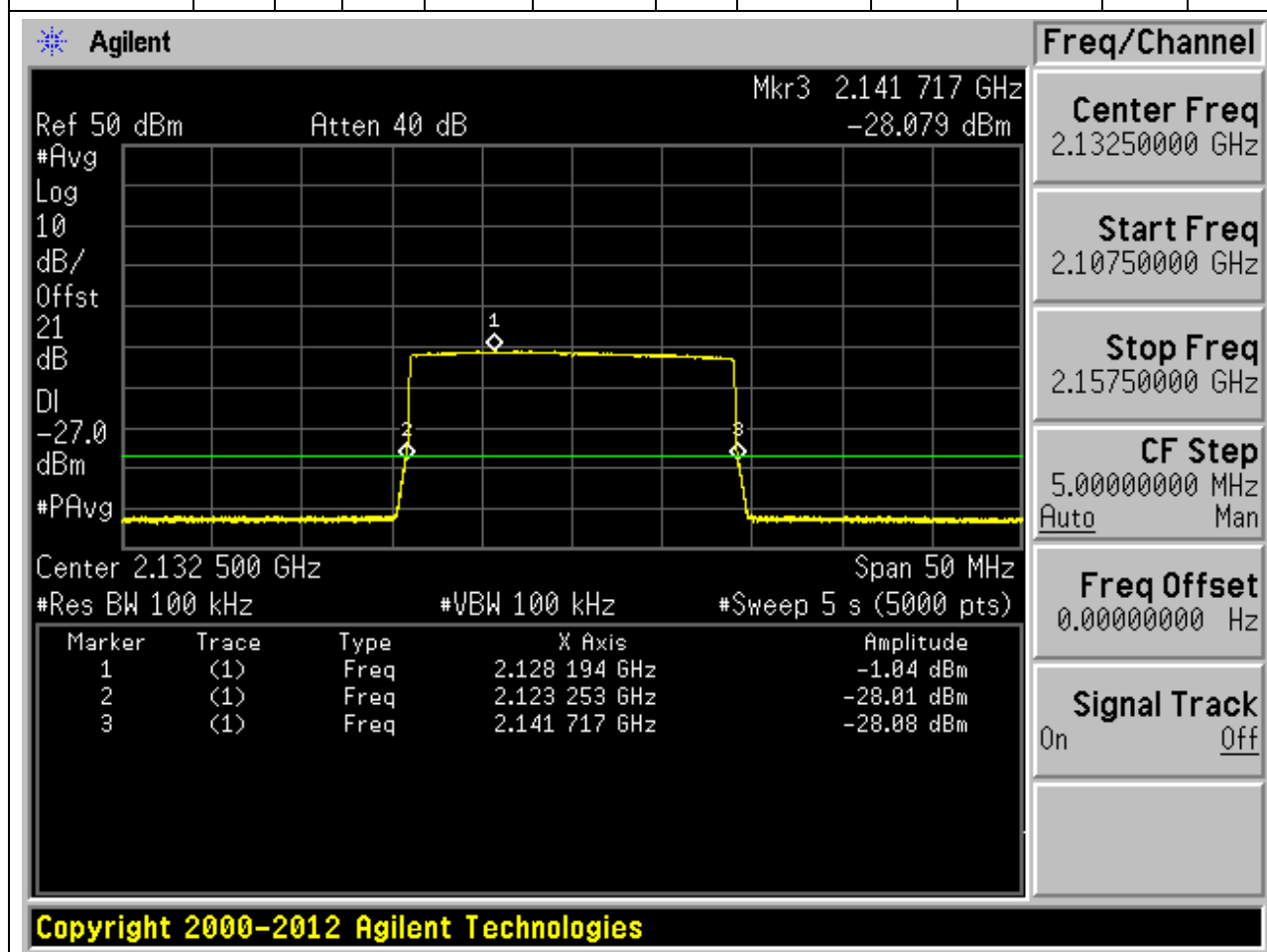
## 2.2.10 20M\_B

| Center Frequency[MHz] | Span [MHz] | nd B [dB] | RB W [MHz] | Detect or | ndB BW [MHz]  | BW Limit [MHz] | Lower Freq [MHz] | Low er Limit [MHz] | Upper Freq [MHz] | Upp er Limit [MHz] | Verdict |
|-----------------------|------------|-----------|------------|-----------|---------------|----------------|------------------|--------------------|------------------|--------------------|---------|
| 2120                  | 50         | 26        | 0.1        | RMS       | 18.4536<br>32 | 20             | 2110.7932<br>16  | 2110               | 2129.2468<br>48  | 2155               | Pass    |



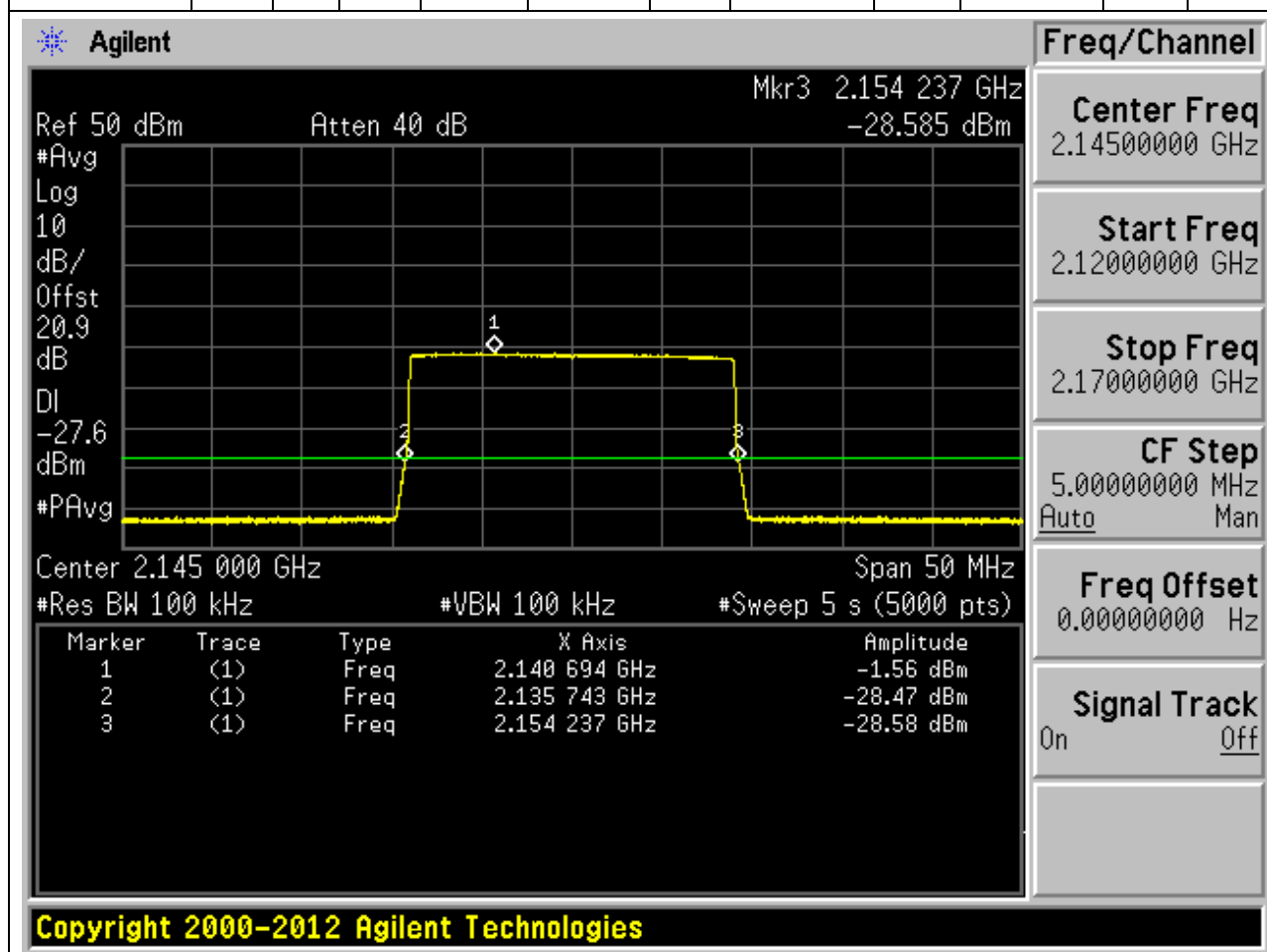
## 2.2.11 20M\_M

| Center Frequency[MHz] | Span [MHz] | nd B [dB] | RB W [MHz] | Detect or | ndB BW [MHz] | BW Limit [MHz] | Lower Freq [MHz] | Low er Limit [MHz] | Upper Freq [MHz] | Upp er Limit [MHz] | Verdict |
|-----------------------|------------|-----------|------------|-----------|--------------|----------------|------------------|--------------------|------------------|--------------------|---------|
| 2132.5                | 50         | 26        | 0.1        | RMS       | 18.463744    | 20             | 2123.25312       | 2110               | 2141.716864      | 2155               | Pass    |



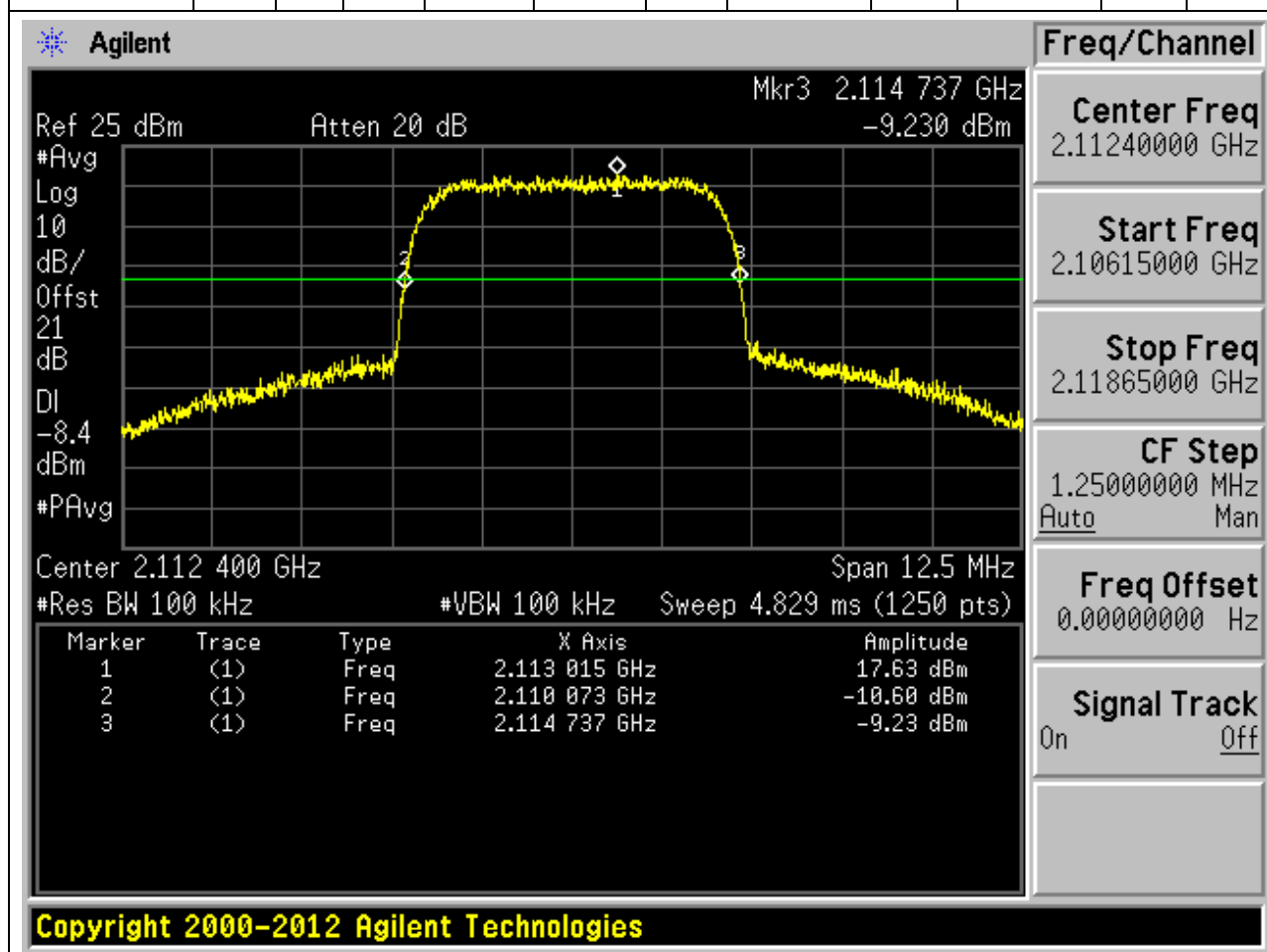
## 2.2.12 20M\_T

| Center Frequency[MHz] | Span [MHz] | nd B [dB] | RB W [MHz] | Detect or | ndB BW [MHz]  | BW Limit [MHz] | Lower Freq [MHz] | Lower Limit [MHz] | Upper Freq [MHz] | Upper Limit [MHz] | Verdict |
|-----------------------|------------|-----------|------------|-----------|---------------|----------------|------------------|-------------------|------------------|-------------------|---------|
| 2145                  | 50         | 26        | 0.1        | RMS       | 18.4938<br>24 | 20             | 2135.7431<br>04  | 2110              | 2154.2369<br>28  | 2155              | Pass    |



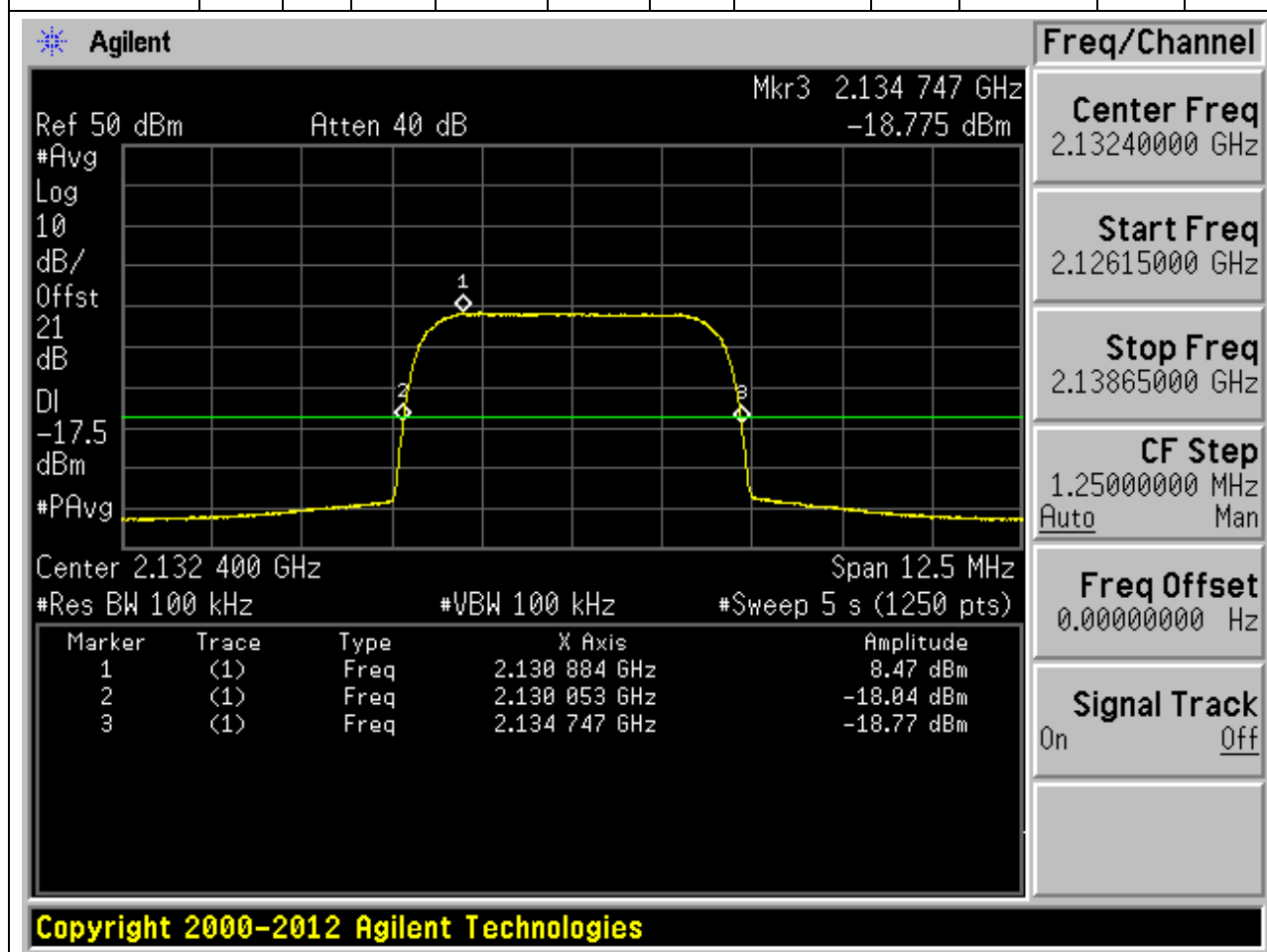
## 2.2.13 1U\_B

| Center Frequency[MHz] | Span [MHz] | nd B [dB] | RB W [MHz] | Detect or | ndB BW [MHz] | BW Limit [MHz] | Lower Freq [MHz] | Low er Limit [MHz] | Upper Freq [MHz] | Upp er Limit [MHz] | Verdict |
|-----------------------|------------|-----------|------------|-----------|--------------|----------------|------------------|--------------------|------------------|--------------------|---------|
| 2112.4                | 12.5       | 26        | 0.1        | RMS       | 4.663808     | 5              | 2110.073088      | 2110               | 2114.736896      | 2155               | Pass    |



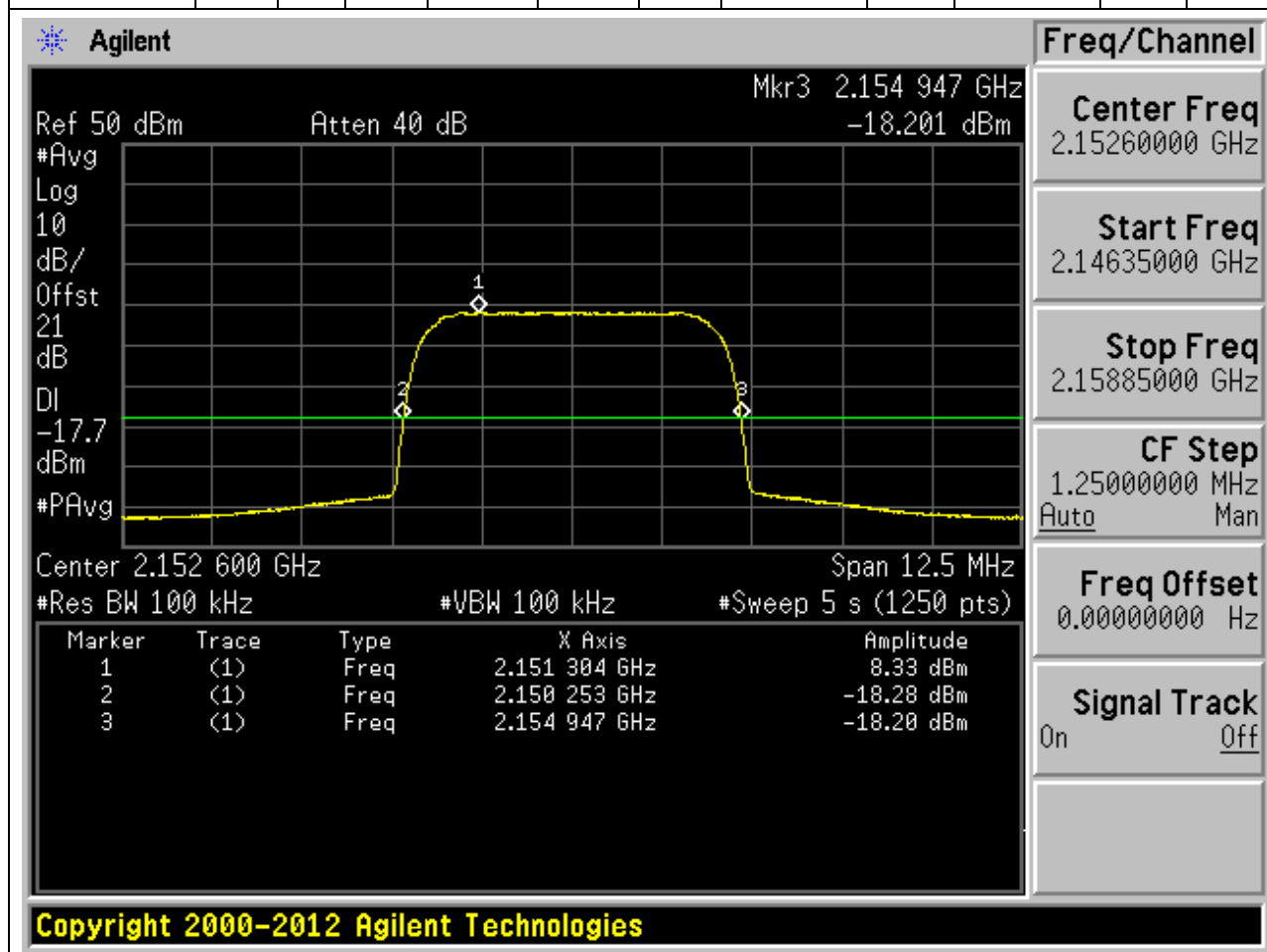
## 2.2.14 1U\_M

| Center Frequency[MHz] | Span [MHz] | nd B [dB] | RBW [MHz] | Detect or | ndB BW [MHz] | BW Limit [MHz] | Lower Freq [MHz] | Lower Limit [MHz] | Upper Freq [MHz] | Upper Limit [MHz] | Verdict |
|-----------------------|------------|-----------|-----------|-----------|--------------|----------------|------------------|-------------------|------------------|-------------------|---------|
| 2132.4                | 12.5       | 26        | 0.1       | RMS       | 4.69376      | 5              | 2130.05312       | 2110              | 2134.74688       | 2155              | Pass    |



## 2.2.15 1U\_T

| Center Frequency[MHz] | Span [MHz] | nd B [dB] | RB W [MHz] | Detect or | ndB BW [MHz] | BW Limit [MHz] | Lower Freq [MHz] | Low er Limit [MHz] | Upper Freq [MHz] | Upp er Limit [MHz] | Verdict |
|-----------------------|------------|-----------|------------|-----------|--------------|----------------|------------------|--------------------|------------------|--------------------|---------|
| 2152.6                | 12.5       | 26        | 0.1        | RMS       | 4.69376      | 5              | 2150.253056      | 2110               | 2154.946816      | 2155               | Pass    |





# Appendix C1: Band Edges Compliance



## 1 Result Table

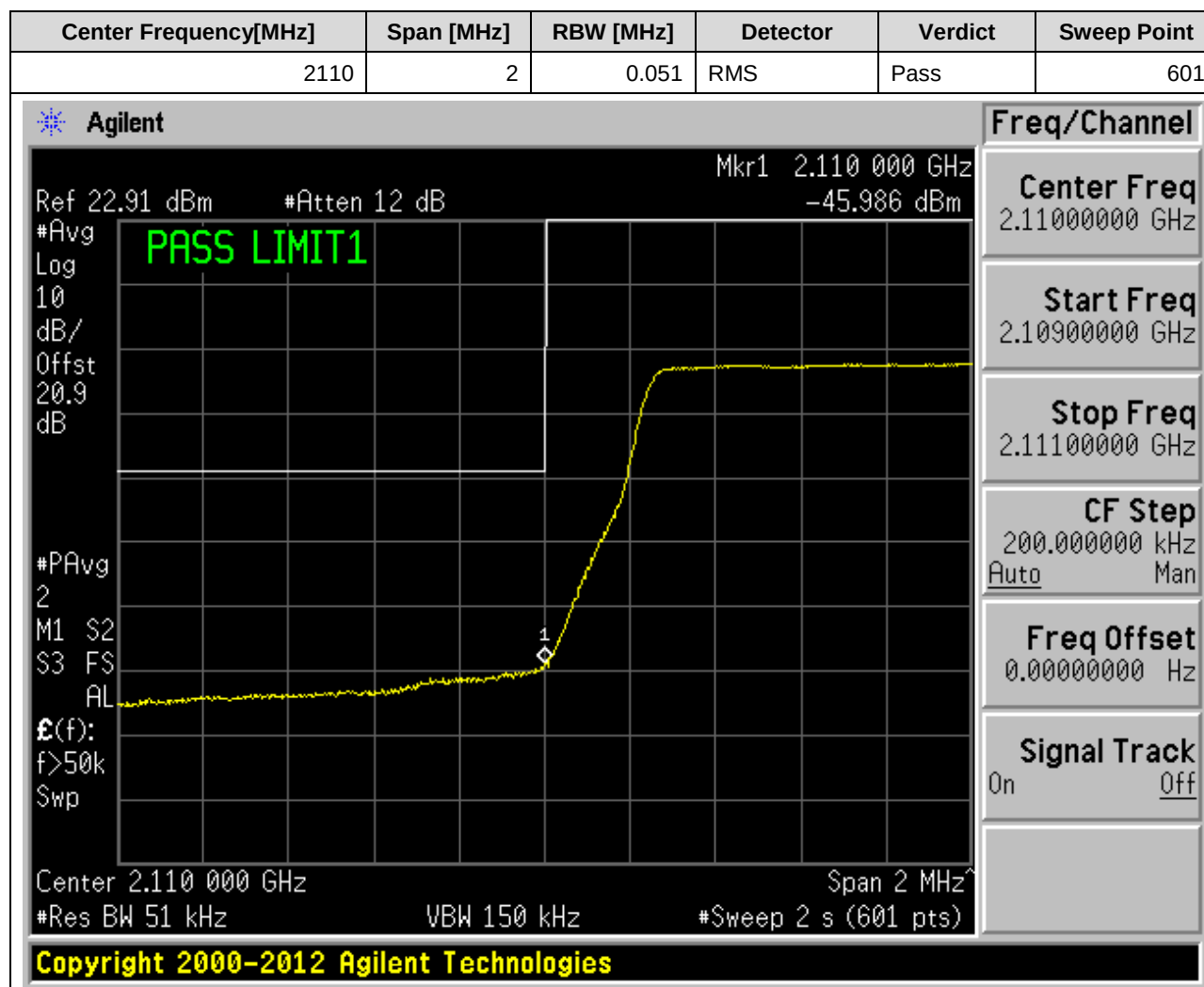
NOTE: The offset of measurement filter -3dB point may be considered when identifying the maximum emission for e.g. the CDMA, WCDMA, WiMAX, LTE systems.

| EUT Conf. | Maximum Emission [dBm] | Verdict |
|-----------|------------------------|---------|
| 5M_B      | <-13                   | Pass    |
| 5M_T      | <-13                   | Pass    |
| 20M_B     | <-13                   | Pass    |
| 20M_T     | <-13                   | Pass    |
| 1U_B      | <-13                   | Pass    |
| 1U_T      | <-13                   | Pass    |
| 2U_B      | <-13                   | Pass    |
| 2U_T      | <-13                   | Pass    |

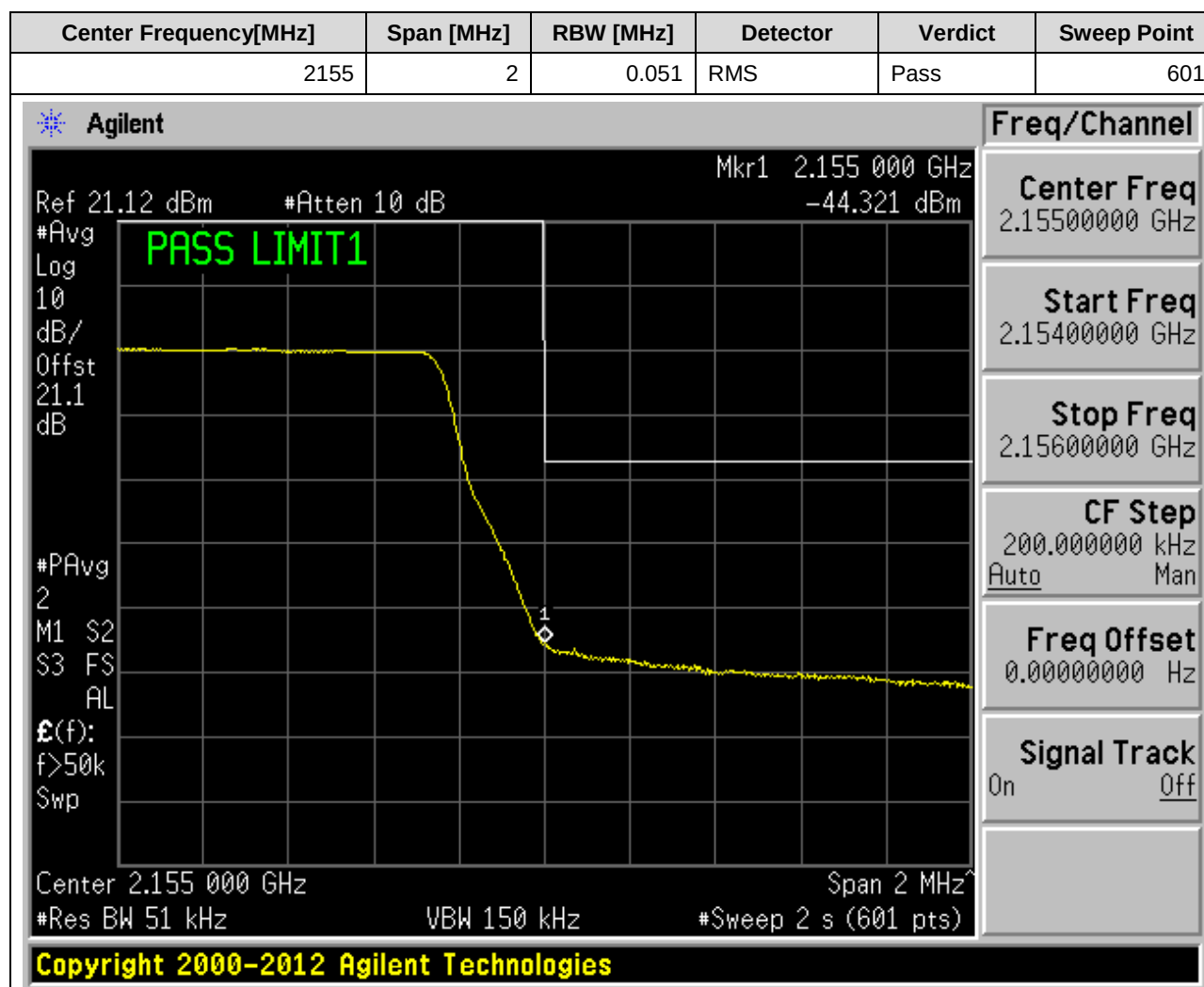


## 2 Test Plot

### 2.1 5M\_B



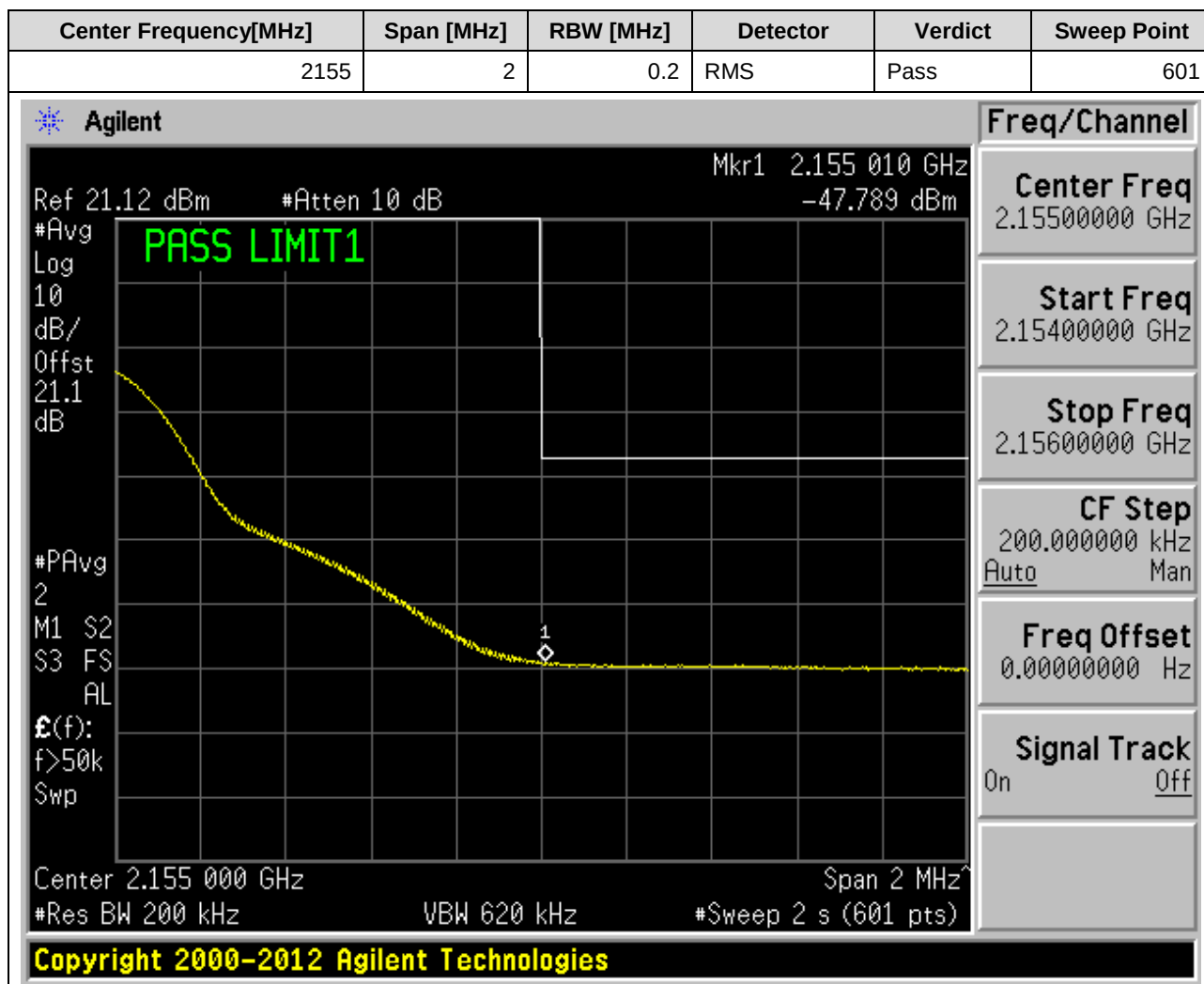
## 2.2 5M\_T



## 2.3 20M\_B



## 2.4 20M\_T



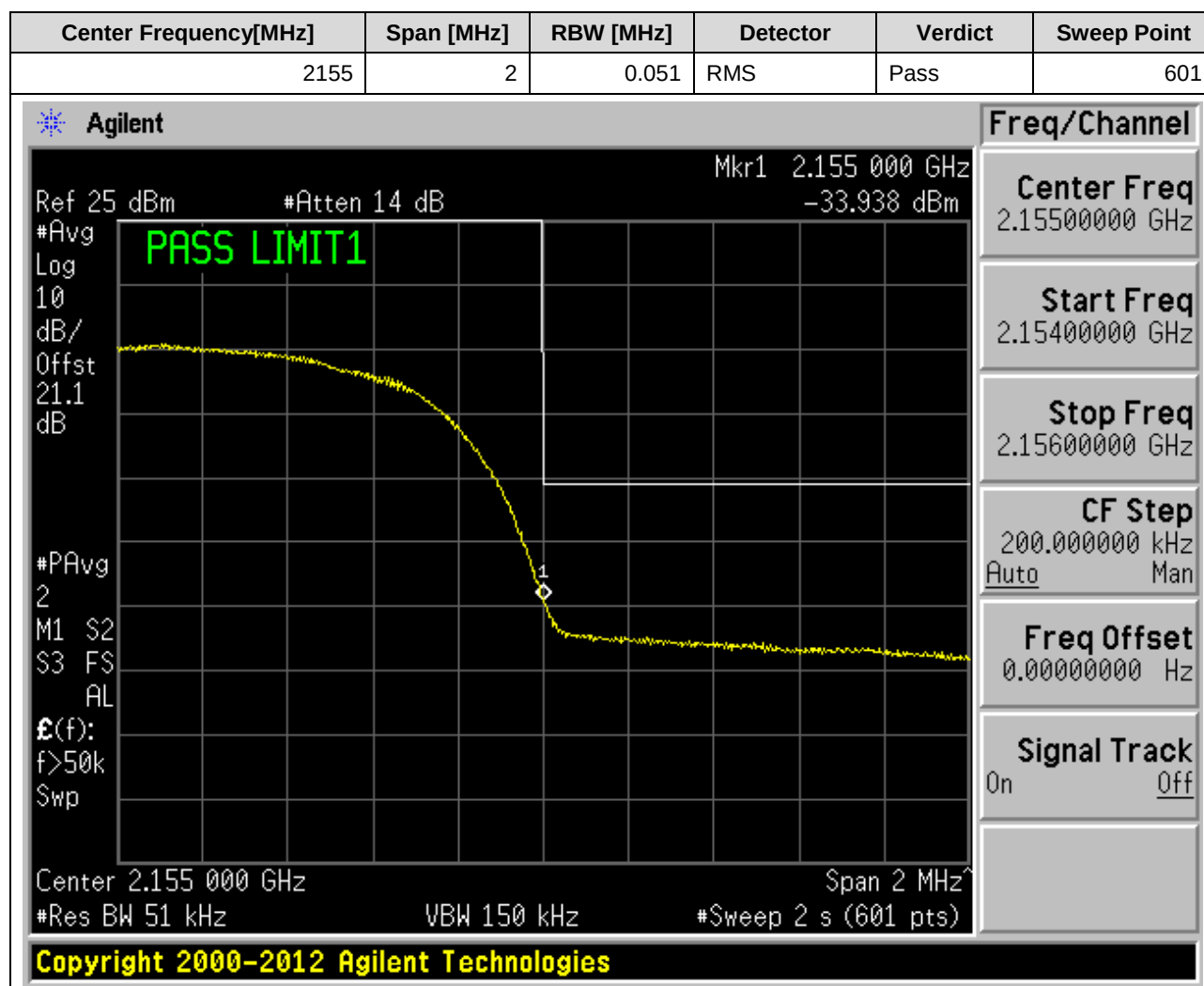


## 2.5 1U\_B



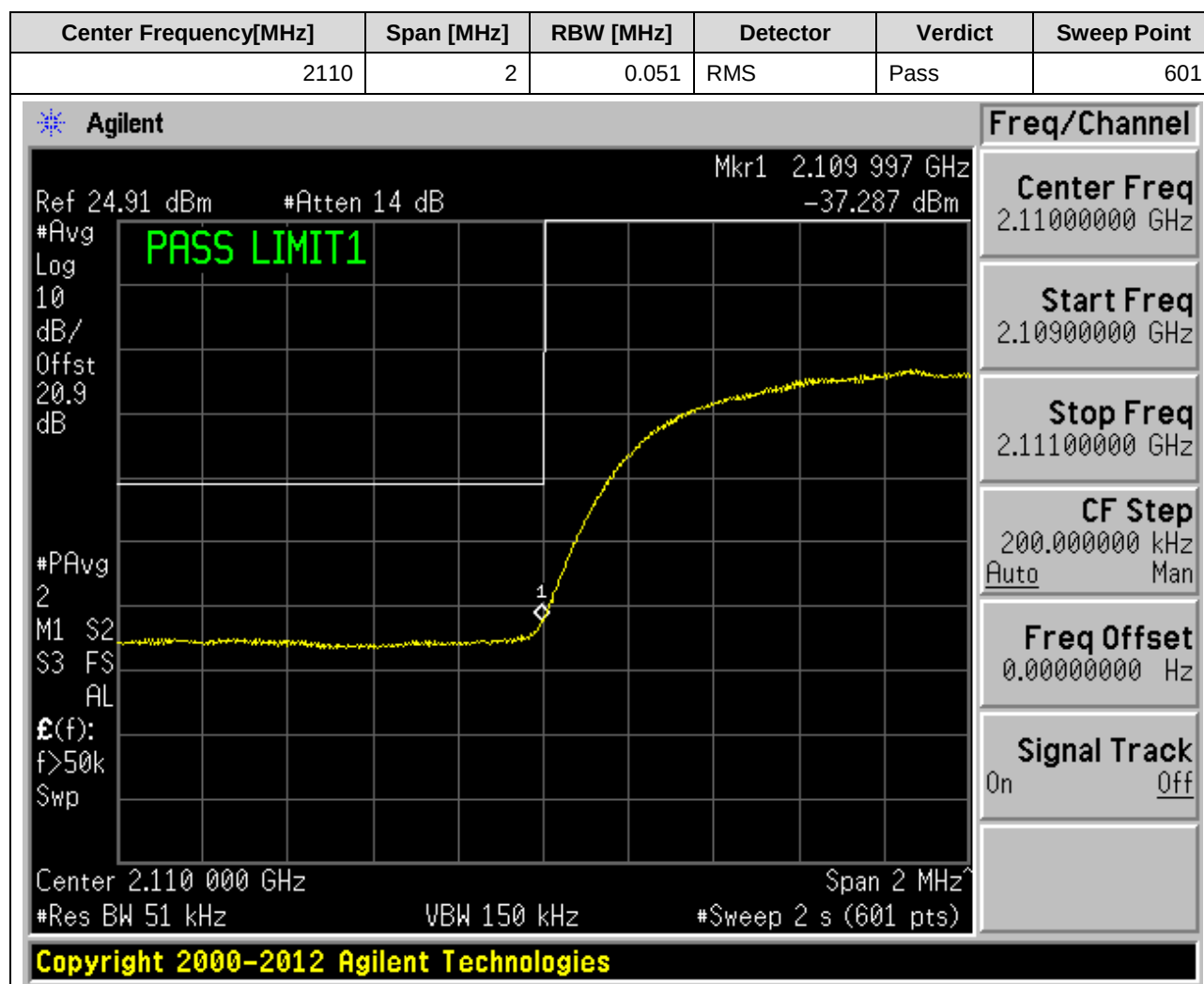


## 2.6 1U\_T





## 2.7 2U\_B





## 2.8 2U\_T





# **Appendix D1: Spurious Emission at Antenna Terminals**

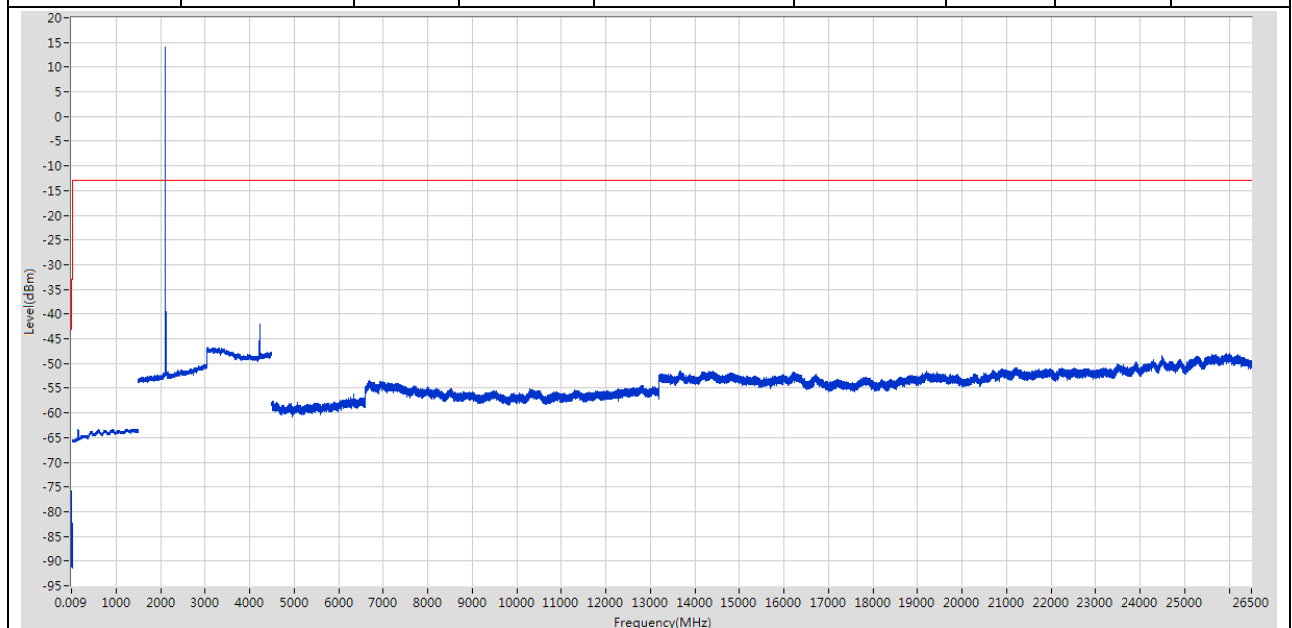
## 1 Result Table

| EUT Conf. | Maximum Emission [dBm] | Verdict |
|-----------|------------------------|---------|
| 5M_B      | <-13                   | Pass    |
| 5M_M      | <-13                   | Pass    |
| 5M_T      | <-13                   | Pass    |
| 1U_B      | <-13                   | Pass    |
| 1U_M      | <-13                   | Pass    |
| 1U_T      | <-13                   | Pass    |
| 2U_B      | <-13                   | Pass    |
| 2U_M      | <-13                   | Pass    |
| 2U_T      | <-13                   | Pass    |

## 2 Test Plot

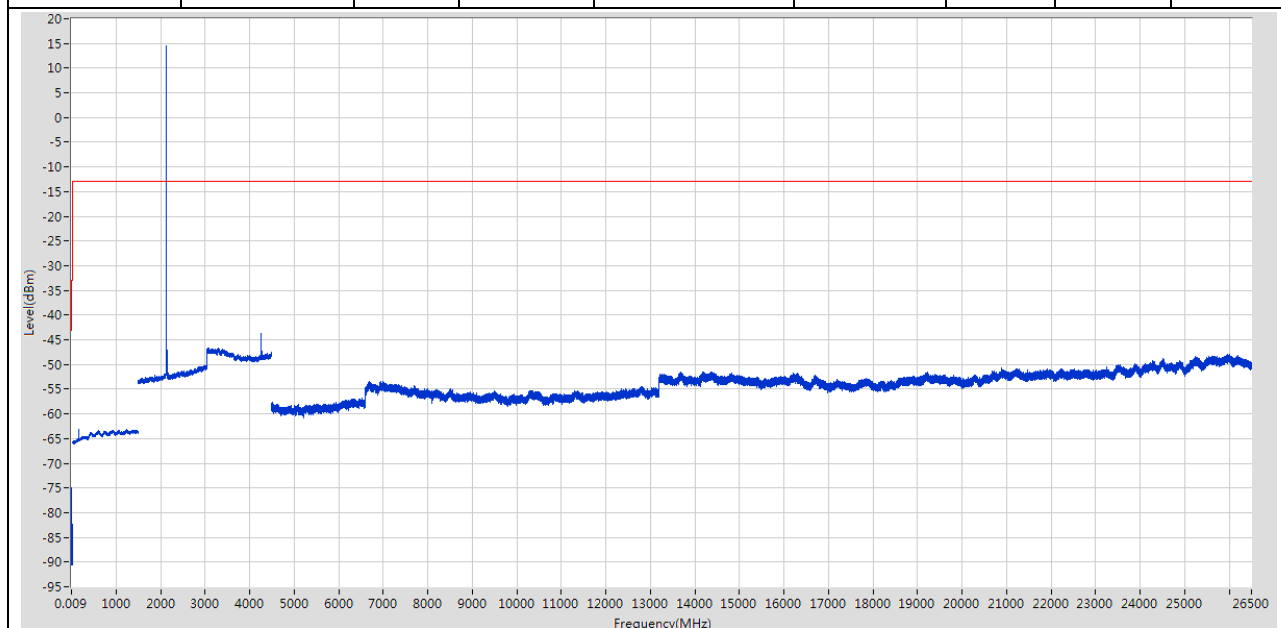
### 2.1 5M\_B

| Start Frequency [MHz] | Stop Frequency [MHz] | RBW [MHz] | Detector | Frequency [Hz] | Emission [dBm] | Limit [dBm] | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|----------------|----------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 9.401 k        | -78.6          | -43         | Pass    | 705         |
| 0.15                  | 30                   | 0.01      | RMS      | 350.024 k      | -75.8          | -33         | Pass    | 14925       |
| 30                    | 1500                 | 1         | RMS      | 1228.763097 M  | -63.27         | -13         | Pass    | 7350        |
| 1500                  | 4500                 | 1         | RMS      | 2113.074838 M  | 14.18          | -13         | ---     | 15000       |
| 4500                  | 26500                | 1         | RMS      | 26001.457722 M | -48.02         | -13         | Pass    | 110000      |



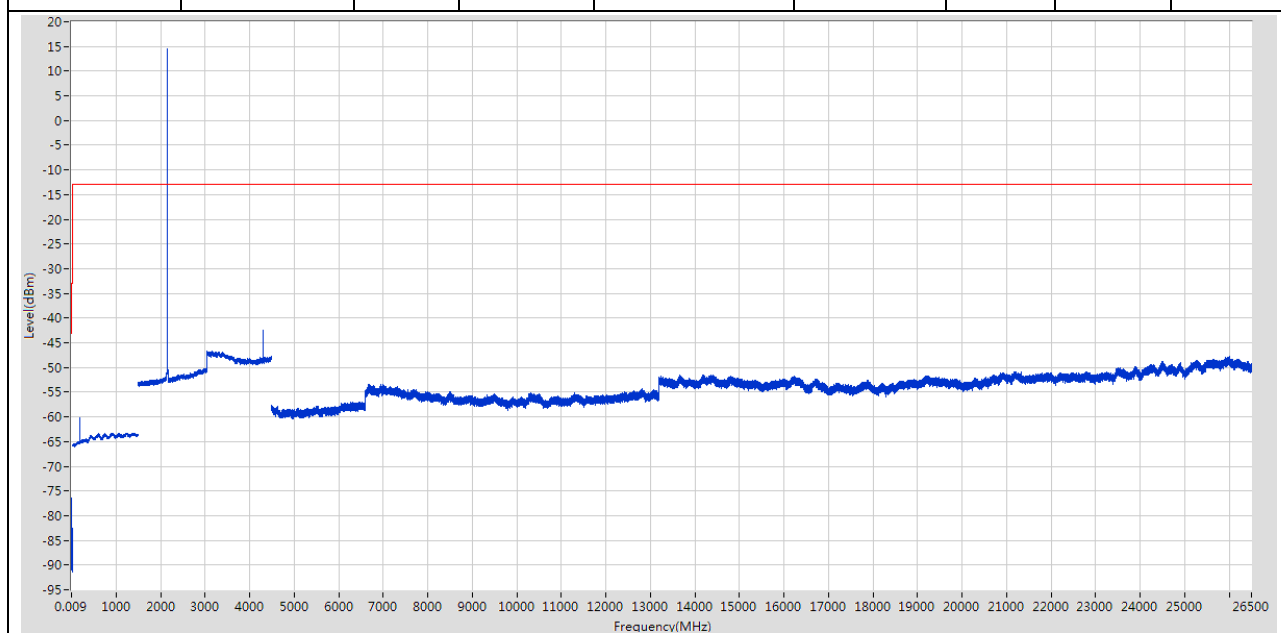
## 2.2 5M\_M

| Start Frequency [MHz] | Stop Frequency [MHz] | RBW [MHz] | Detector | Frequency [Hz] | Emission [dBm] | Limit [dBm] | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|----------------|----------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 9.2 k          | -78.36         | -43         | Pass    | 705         |
| 0.15                  | 30                   | 0.01      | RMS      | 192.005 k      | -74.95         | -33         | Pass    | 14925       |
| 30                    | 1500                 | 1         | RMS      | 171.819295 M   | -63.06         | -13         | Pass    | 7350        |
| 1500                  | 4500                 | 1         | RMS      | 2132.477207 M  | 14.6           | -13         | ---     | 15000       |
| 4500                  | 26500                | 1         | RMS      | 25964.047045 M | -47.88         | -13         | Pass    | 110000      |



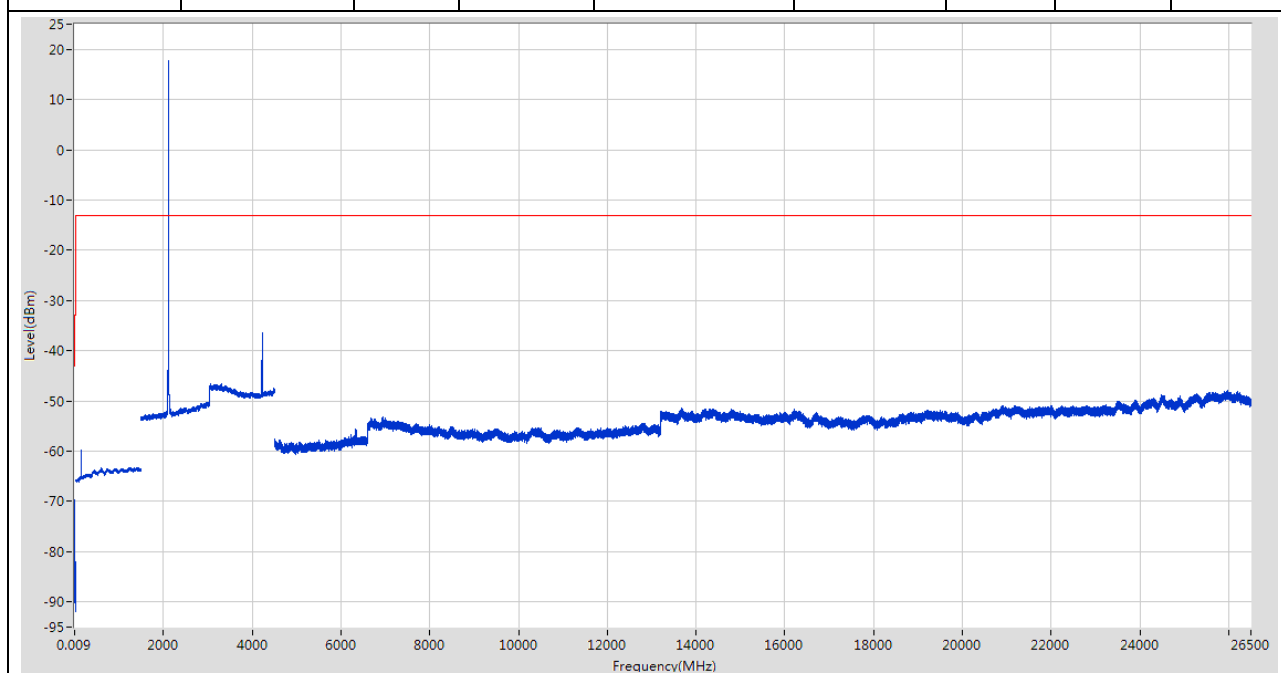
## 2.3 5M\_T

| Start Frequency [MHz] | Stop Frequency [MHz] | RBW [MHz] | Detector | Frequency [Hz] | Emission [dBm] | Limit [dBm] | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|----------------|----------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 9 k            | -78.42         | -43         | Pass    | 705         |
| 0.15                  | 30                   | 0.01      | RMS      | 204.007 k      | -76.53         | -33         | Pass    | 14925       |
| 30                    | 1500                 | 1         | RMS      | 192.022044 M   | -60.19         | -13         | Pass    | 7350        |
| 1500                  | 4500                 | 1         | RMS      | 2153.079722 M  | 14.42          | -13         | ---     | 15000       |
| 4500                  | 26500                | 1         | RMS      | 26006.859263 M | -47.82         | -13         | Pass    | 110000      |



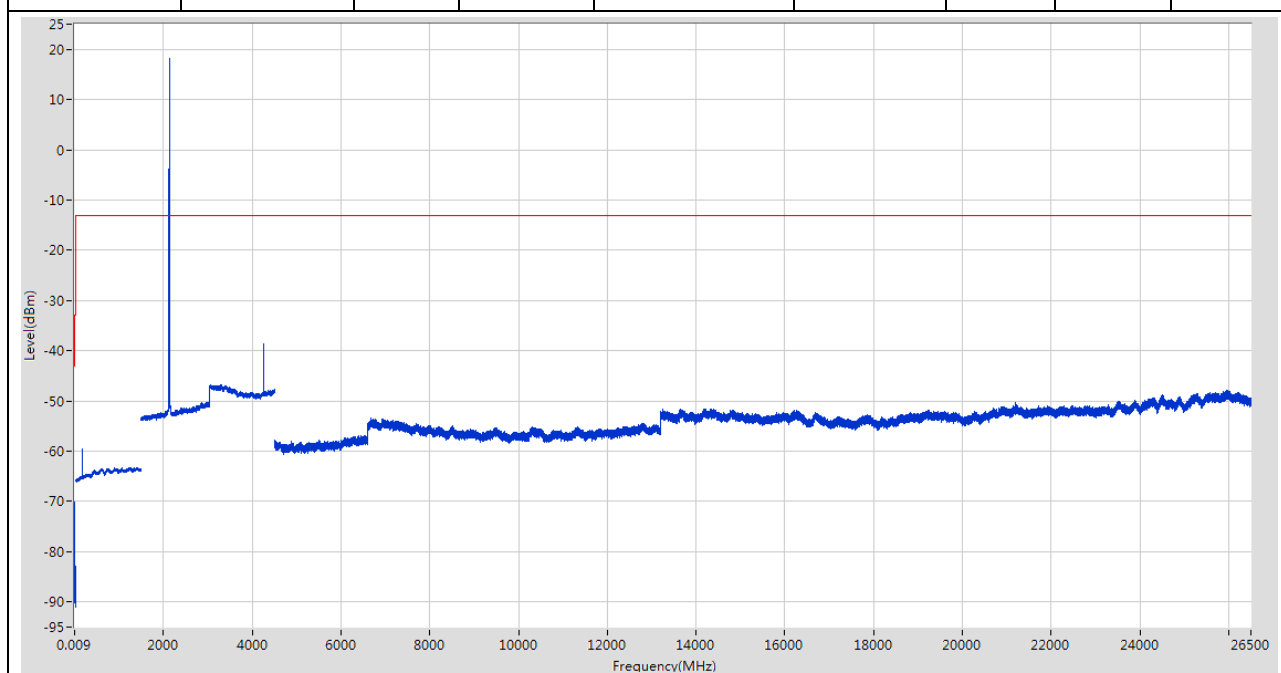
## 2.4 1U\_B

| Start Frequency [MHz] | Stop Frequency [MHz] | RBW [MHz] | Detector | Frequency [Hz] | Emission [dBm] | Limit [dBm] | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|----------------|----------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 13.206 k       | -75.15         | -43         | Pass    | 705         |
| 0.15                  | 30                   | 0.01      | RMS      | 238.011 k      | -69.62         | -33         | Pass    | 14925       |
| 30                    | 1500                 | 1         | RMS      | 151.816574 M   | -59.68         | -13         | Pass    | 7350        |
| 1500                  | 4500                 | 1         | RMS      | 2112.874814 M  | 17.7           | -13         | ---     | 15000       |
| 4500                  | 26500                | 1         | RMS      | 25970.648929 M | -47.95         | -13         | Pass    | 110000      |



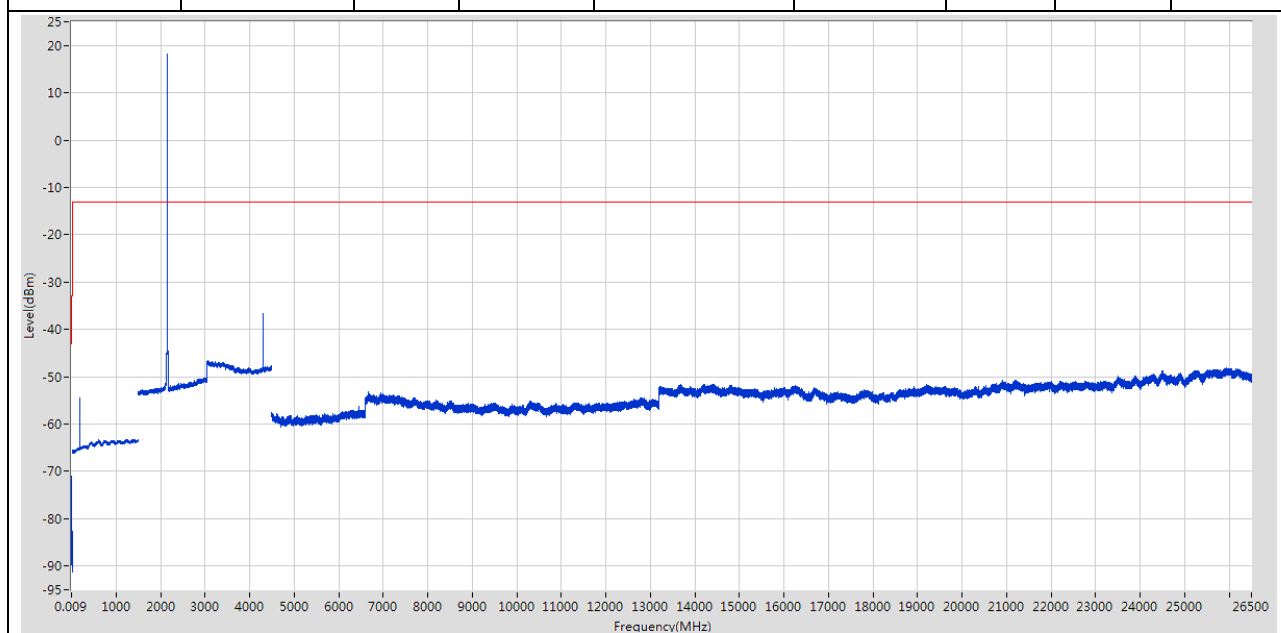
## 2.5 1U\_M

| Start Frequency [MHz] | Stop Frequency [MHz] | RBW [MHz] | Detector | Frequency [Hz] | Emission [dBm] | Limit [dBm] | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|----------------|----------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 13.206 k       | -74.59         | -43         | Pass    | 705         |
| 0.15                  | 30                   | 0.01      | RMS      | 244.011 k      | -70.19         | -33         | Pass    | 14925       |
| 30                    | 1500                 | 1         | RMS      | 171.619268 M   | -59.47         | -13         | Pass    | 7350        |
| 1500                  | 4500                 | 1         | RMS      | 2132.477207 M  | 18.1           | -13         | ---     | 15000       |
| 4500                  | 26500                | 1         | RMS      | 25957.245104 M | -47.97         | -13         | Pass    | 110000      |



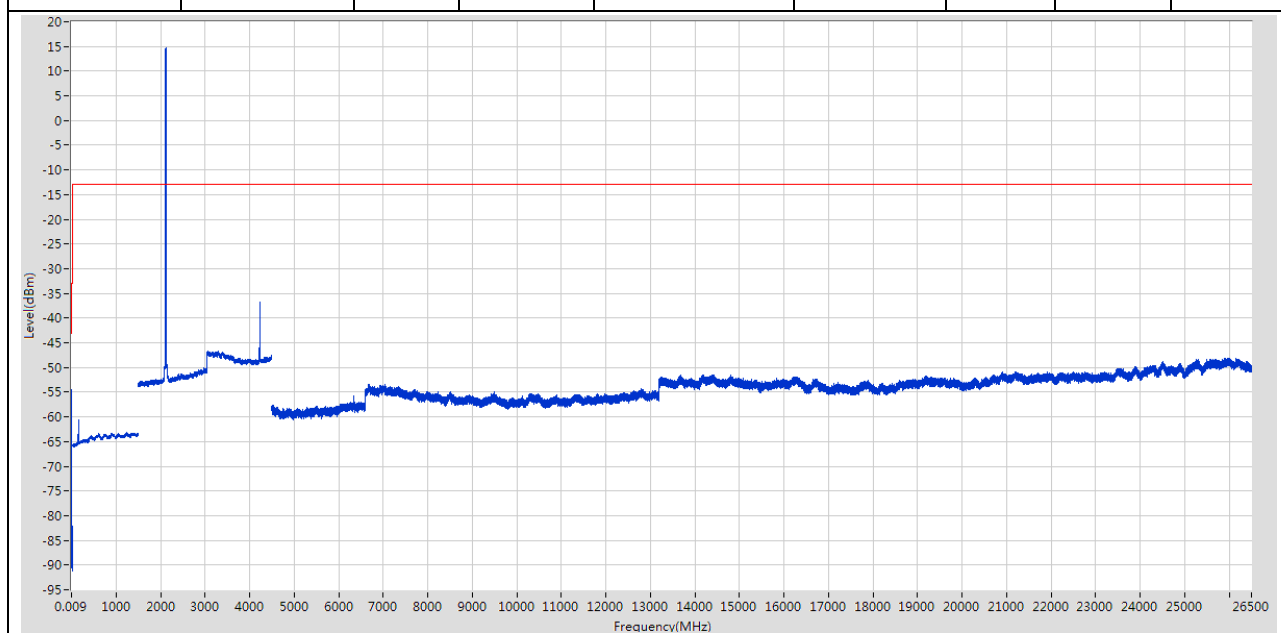
## 2.6 1U\_T

| Start Frequency [MHz] | Stop Frequency [MHz] | RBW [MHz] | Detector | Frequency [Hz] | Emission [dBm] | Limit [dBm] | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|----------------|----------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 13.006 k       | -75.78         | -43         | Pass    | 705         |
| 0.15                  | 30                   | 0.01      | RMS      | 240.011 k      | -71.1          | -33         | Pass    | 14925       |
| 30                    | 1500                 | 1         | RMS      | 191.822017 M   | -54.6          | -13         | Pass    | 7350        |
| 1500                  | 4500                 | 1         | RMS      | 2152.879697 M  | 18.21          | -13         | ---     | 15000       |
| 4500                  | 26500                | 1         | RMS      | 25950.243106 M | -48.09         | -13         | Pass    | 110000      |



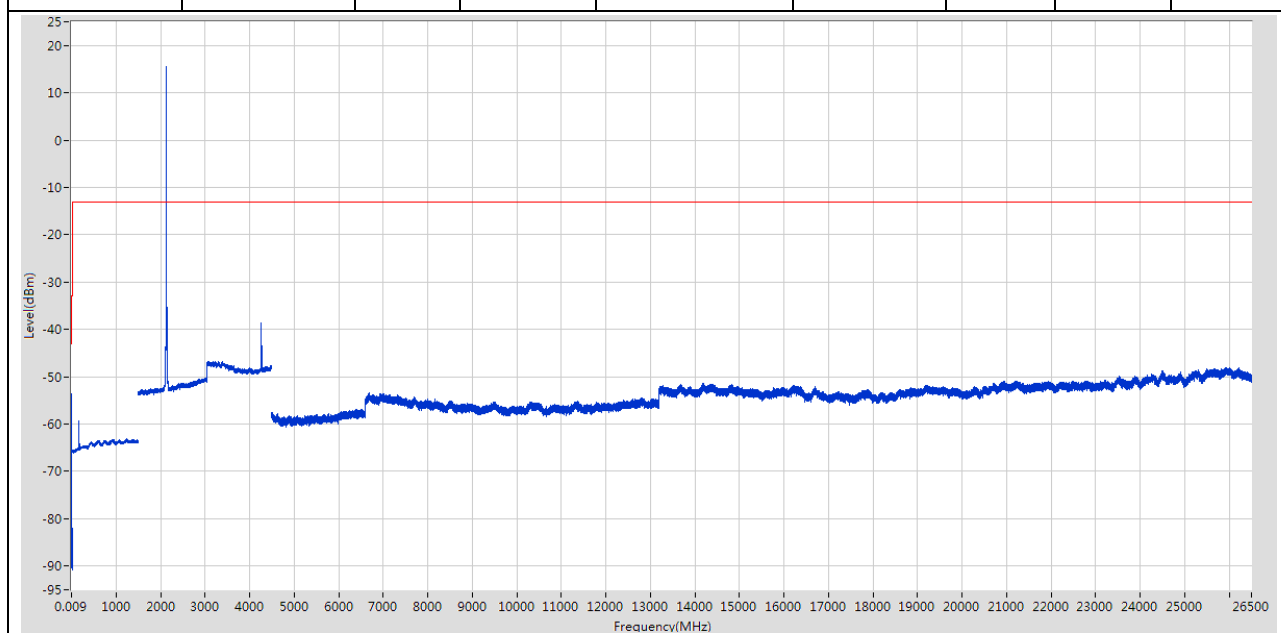
## 2.7 2U\_B

| Start Frequency [MHz] | Stop Frequency [MHz] | RBW [MHz] | Detector | Frequency [Hz] | Emission [dBm] | Limit [dBm] | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|----------------|----------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 13.006 k       | -74.94         | -43         | Pass    | 705         |
| 0.15                  | 30                   | 0.01      | RMS      | 5.000592 M     | -54.5          | -33         | Pass    | 14925       |
| 30                    | 1500                 | 1         | RMS      | 154.416927 M   | -60.59         | -13         | Pass    | 7350        |
| 1500                  | 4500                 | 1         | RMS      | 2117.475375 M  | 14.82          | -13         | ---     | 15000       |
| 4500                  | 26500                | 1         | RMS      | 26000.257379 M | -48.18         | -13         | Pass    | 110000      |



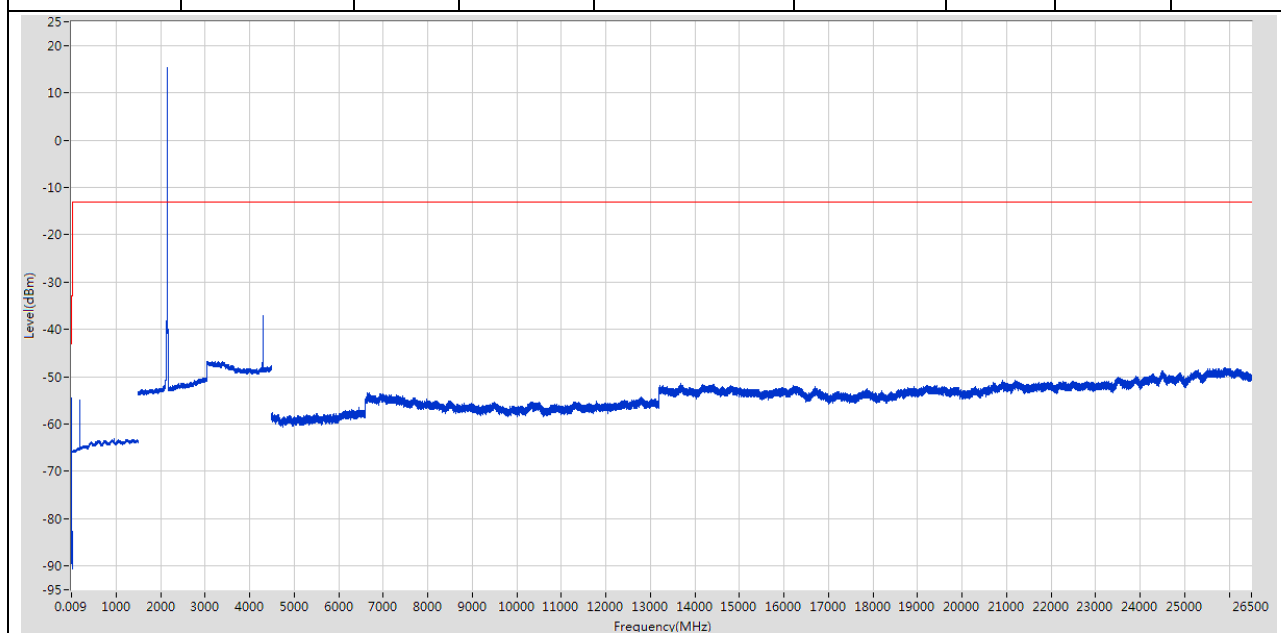
## 2.8 2U\_M

| Start Frequency [MHz] | Stop Frequency [MHz] | RBW [MHz] | Detector | Frequency [Hz] | Emission [dBm] | Limit [dBm] | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|----------------|----------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 13.206 k       | -74.21         | -43         | Pass    | 705         |
| 0.15                  | 30                   | 0.01      | RMS      | 5.000592 M     | -53.69         | -33         | Pass    | 14925       |
| 30                    | 1500                 | 1         | RMS      | 171.619268 M   | -59.42         | -13         | Pass    | 7350        |
| 1500                  | 4500                 | 1         | RMS      | 2129.276816 M  | 15.57          | -13         | ---     | 15000       |
| 4500                  | 26500                | 1         | RMS      | 25922.235113 M | -48.01         | -13         | Pass    | 110000      |



## 2.9 2U\_T

| Start Frequency [MHz] | Stop Frequency [MHz] | RBW [MHz] | Detector | Frequency [Hz] | Emission [dBm] | Limit [dBm] | Verdict | Sweep Point |
|-----------------------|----------------------|-----------|----------|----------------|----------------|-------------|---------|-------------|
| 0.009                 | 0.15                 | 0.001     | RMS      | 13.206 k       | -75.13         | -43         | Pass    | 705         |
| 0.15                  | 30                   | 0.01      | RMS      | 4.998592 M     | -54.54         | -33         | Pass    | 14925       |
| 30                    | 1500                 | 1         | RMS      | 189.42169 M    | -54.95         | -13         | Pass    | 7350        |
| 1500                  | 4500                 | 1         | RMS      | 2151.679551 M  | 15.27          | -13         | ---     | 15000       |
| 4500                  | 26500                | 1         | RMS      | 25886.024779 M | -48.13         | -13         | Pass    | 110000      |





# Appendix E1: Frequency Stability

## 1 Result Table

### 1.1 Frequency Error

(1) Frequency Error vs. Temperature:

| EUT Conf. | Voltage | Temperature | Freq. Error [Hz] | Freq. vs. rated [ppm] | Freq. vs. 20 °C [ppm] | Verdict |
|-----------|---------|-------------|------------------|-----------------------|-----------------------|---------|
| 5M_M      | 100%    | -30 °C      | -1.21            | -0.0005674            | 0.0004971             | Pass    |
|           |         | -20 °C      | -2.11            | -0.0009894            | 0.0000750             | Pass    |
|           |         | -10 °C      | -4.05            | -0.0018992            | -0.0008347            | Pass    |
|           |         | 0 °C        | -2.54            | -0.0011911            | -0.0001266            | Pass    |
|           |         | +10 °C      | -2.76            | -0.0012943            | -0.0002298            | Pass    |
|           |         | +20 °C      | -2.27            | -0.0010645            | ---                   | Pass    |
|           |         | +30 °C      | -3.01            | -0.0014115            | -0.000347             | Pass    |
|           |         | +40 °C      | -1.64            | -0.0007691            | 0.0002954             | Pass    |
|           |         | +50 °C      | -3               | -0.0014068            | -0.0003423            | Pass    |

(2) Frequency Error vs. Voltage:

| EUT Conf. | Temperature | Voltage | Freq. Error [Hz] | Freq. vs. rated [ppm] | Freq. vs. 20 °C [ppm] | Verdict |
|-----------|-------------|---------|------------------|-----------------------|-----------------------|---------|
| 5M_M      | +20 °C      | 85 %    | -1.78            | -0.0008347            | 0.0002298             | Pass    |
|           |             | 100 %   | -2.27            | -0.0010645            | ---                   | Pass    |
|           |             | 115 %   | -2.86            | -0.0013411            | -0.0002767            | Pass    |

### 1.2 Frequency Range

(Not applicable)



## 2 Test Plot

NOTE: Only the test plots for the measurements of Frequency Range are supplied.

(Not applicable)



# Appendix F1: Receiver Spurious Emissions



## 1 Result Table

(Not applicable)

## 2 Test Plot

(Not applicable)

---

END