

# APPENDIX REPORT

|                 |                 |                     |              |
|-----------------|-----------------|---------------------|--------------|
| Project No.     | SHT2108043802EW | Radio Specification | WIFI 5G      |
| Test sample No. | YPHT21080438003 | Model No.           | VS16340      |
| Start test date | 2021-09-07      | Finish date         | 2021-09-15   |
| Temperature     | 25.9℃           | Humidity            | 34%          |
| Test Engineer   | Hailey Chen     | Auditor             | Xiaodong Zhu |

| Appendix clause | Test item                      | Result |
|-----------------|--------------------------------|--------|
| A               | Maximum Conducted Output Power | PASS   |
| B               | Maximum Power Spectral Density | PASS   |
| C               | 26 dB Bandwidth                | PASS   |
| D               | 99% Occupy bandwidth           | PASS   |
| E               | 6 dB Bandwidth                 | PASS   |
| F               | Band Edge                      | PASS   |
| G               | Frequency stability            | PASS   |

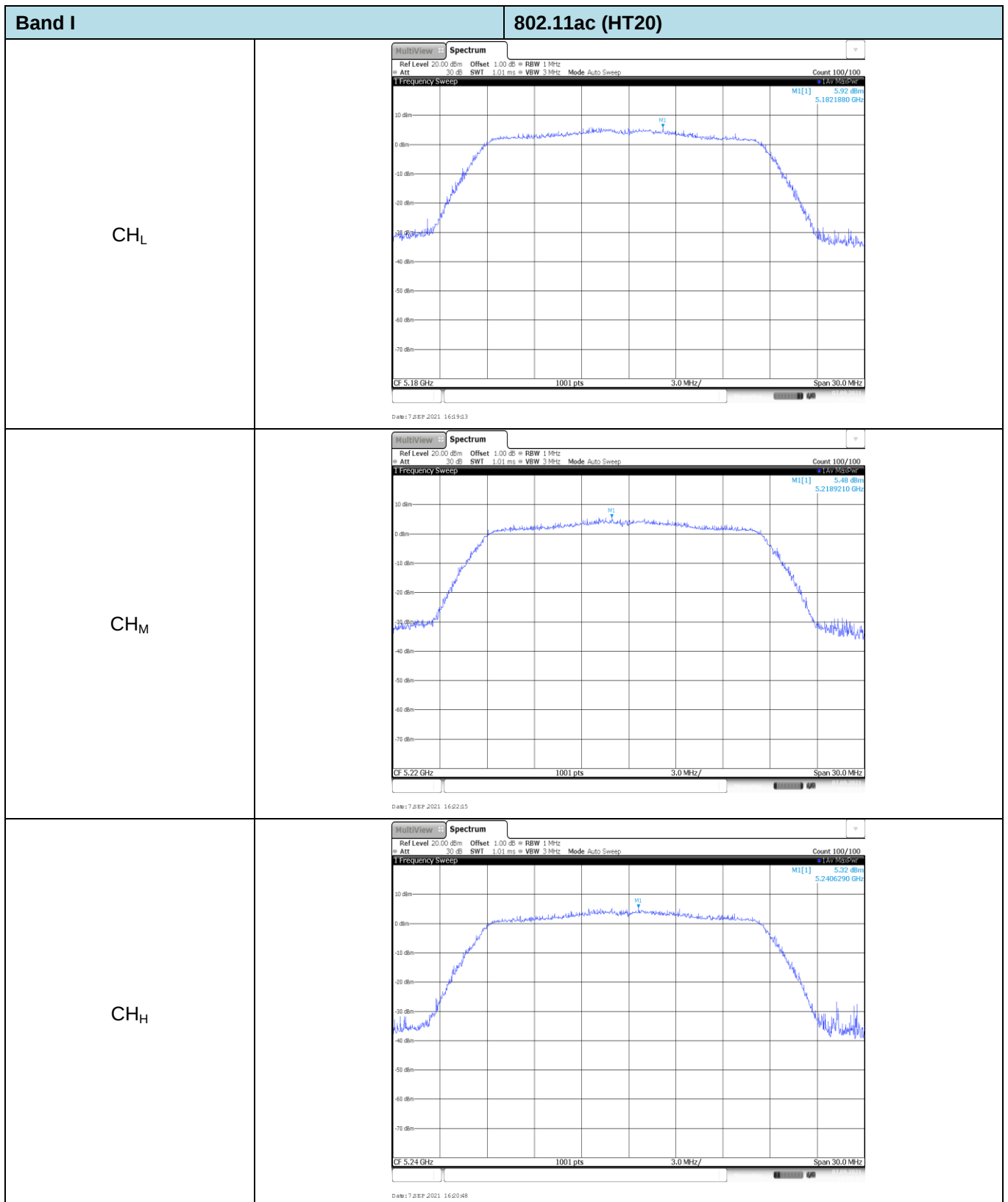
**Appendix A: Maximum Conducted Output Power**

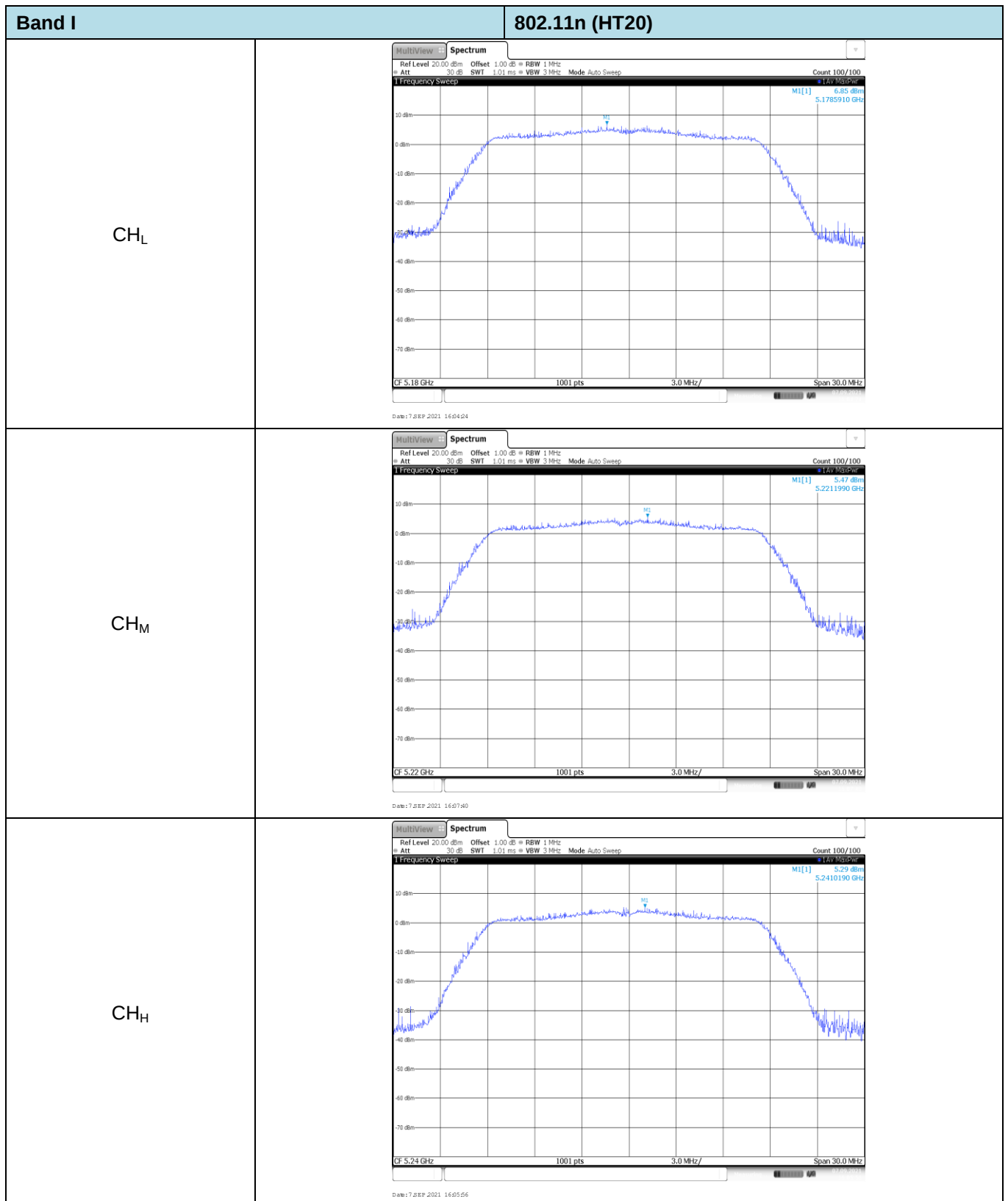
| Band | Bandwidth (MHz) | Type     | Channel         | Reading (dBm) | Duty cycle (%) | Duty cycle factor (dB) | Conducted Output Power (dBm) | Limit (dBm) | Result |
|------|-----------------|----------|-----------------|---------------|----------------|------------------------|------------------------------|-------------|--------|
| I    | 20              | 802.11ac | CH <sub>L</sub> | 14.99         | 96.77          | 0.14                   | 15.13                        | 24.00       | Pass   |
|      |                 |          | CH <sub>M</sub> | 14.54         | 96.77          | 0.14                   | 14.68                        |             |        |
|      |                 |          | CH <sub>H</sub> | 14.78         | 96.67          | 0.15                   | 14.93                        |             |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 14.94         | 96.84          | 0.14                   | 15.08                        | 24.00       | Pass   |
|      |                 |          | CH <sub>M</sub> | 14.52         | 96.84          | 0.14                   | 14.66                        |             |        |
|      |                 |          | CH <sub>H</sub> | 14.75         | 96.84          | 0.14                   | 14.89                        |             |        |
|      |                 | 802.11a  | CH <sub>L</sub> | 15.31         | 96.95          | 0.13                   | 15.44                        | 24.00       | Pass   |
|      |                 |          | CH <sub>M</sub> | 14.65         | 96.95          | 0.13                   | 14.78                        |             |        |
|      |                 |          | CH <sub>H</sub> | 14.86         | 96.95          | 0.13                   | 14.99                        |             |        |
|      | 40              | 802.11ac | CH <sub>L</sub> | 14.02         | 93.86          | 0.28                   | 14.30                        | 24.00       | Pass   |
|      |                 |          | CH <sub>H</sub> | 13.67         | 93.86          | 0.28                   | 13.95                        |             |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 14.18         | 93.88          | 0.27                   | 14.45                        | 24.00       | Pass   |
|      |                 |          | CH <sub>H</sub> | 14.04         | 93.88          | 0.27                   | 14.31                        |             |        |
|      | 80              | 802.11ac | CH <sub>M</sub> | 13.64         | 88.12          | 0.55                   | 14.19                        | 24.00       | Pass   |
| IV   | 20              | 802.11ac | CH <sub>L</sub> | 14.27         | 96.77          | 0.14                   | 14.41                        | 30.00       | Pass   |
|      |                 |          | CH <sub>M</sub> | 13.86         | 96.77          | 0.14                   | 14.00                        |             |        |
|      |                 |          | CH <sub>H</sub> | 13.98         | 96.77          | 0.14                   | 14.12                        |             |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 14.91         | 96.75          | 0.14                   | 15.05                        | 30.00       | Pass   |
|      |                 |          | CH <sub>M</sub> | 14.53         | 96.75          | 0.14                   | 14.67                        |             |        |
|      |                 |          | CH <sub>H</sub> | 14.94         | 96.75          | 0.14                   | 15.08                        |             |        |
|      |                 | 802.11a  | CH <sub>L</sub> | 14.02         | 96.95          | 0.13                   | 14.15                        | 30.00       | Pass   |
|      |                 |          | CH <sub>M</sub> | 13.91         | 97.03          | 0.13                   | 14.04                        |             |        |
|      |                 |          | CH <sub>H</sub> | 14.13         | 96.95          | 0.13                   | 14.26                        |             |        |
|      | 40              | 802.11ac | CH <sub>L</sub> | 13.83         | 93.86          | 0.28                   | 14.11                        | 30.00       | Pass   |
|      |                 |          | CH <sub>H</sub> | 13.96         | 93.86          | 0.28                   | 14.24                        |             |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 13.76         | 93.88          | 0.27                   | 14.03                        | 30.00       | Pass   |
|      |                 |          | CH <sub>H</sub> | 14.03         | 93.88          | 0.27                   | 14.30                        |             |        |
|      | 80              | 802.11ac | CH <sub>M</sub> | 13.65         | 88.30          | 0.54                   | 14.19                        | 30.00       | Pass   |

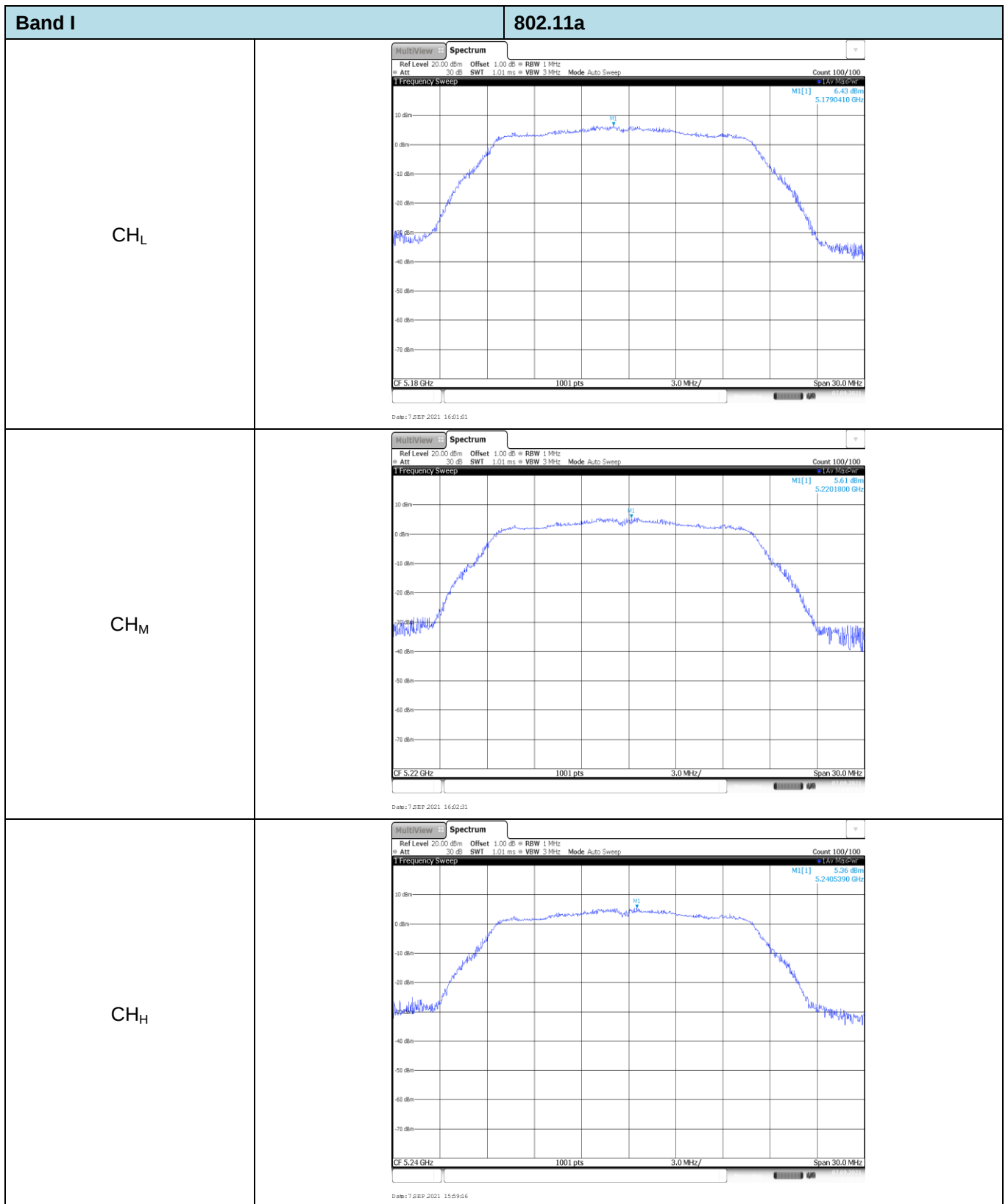
NOTE: duty cycle factor =10LOG(1/ duty cycle )

**Appendix B: Maximum Power Spectral Density**

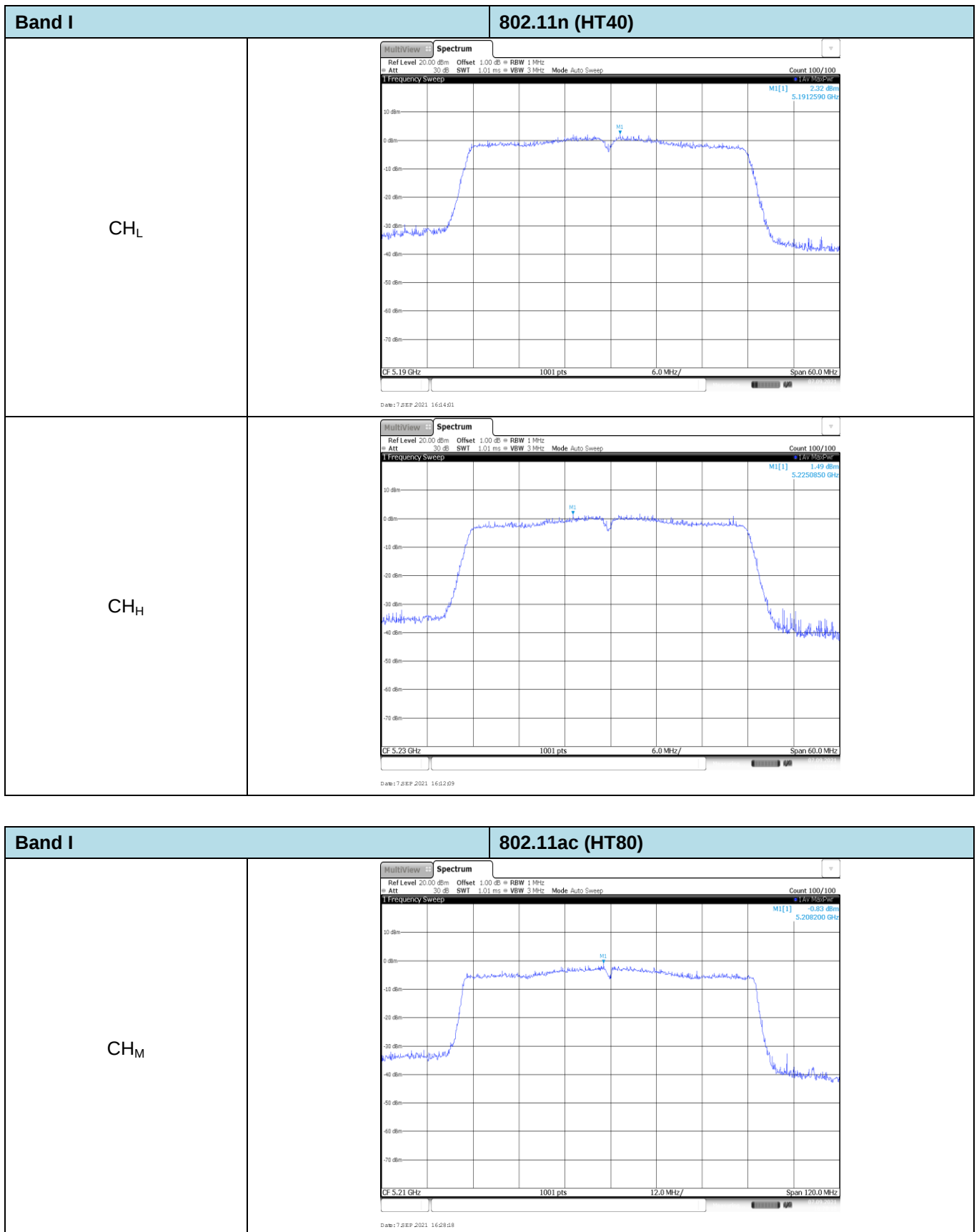
| Band | Bandwidth (MHz) | Type     | Channel         | Reading (dBm) | Duty cycle (%) | Duty cycle factor (dB) | Power Spectral Density (dBm/MHz)    | Limit (dBm/MHz)    | Result |
|------|-----------------|----------|-----------------|---------------|----------------|------------------------|-------------------------------------|--------------------|--------|
| I    | 20              | 802.11ac | CH <sub>L</sub> | 5.92          | 96.77          | 0.14                   | 6.06                                | 11.00              | Pass   |
|      |                 |          | CH <sub>M</sub> | 5.48          | 96.77          | 0.14                   | 5.62                                |                    |        |
|      |                 |          | CH <sub>H</sub> | 5.32          | 96.67          | 0.15                   | 5.47                                |                    |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 6.85          | 96.84          | 0.14                   | 6.99                                | 11.00              | Pass   |
|      |                 |          | CH <sub>M</sub> | 5.47          | 96.84          | 0.14                   | 5.61                                |                    |        |
|      |                 |          | CH <sub>H</sub> | 5.29          | 96.84          | 0.14                   | 5.43                                |                    |        |
|      |                 | 802.11a  | CH <sub>L</sub> | 6.43          | 96.95          | 0.13                   | 6.56                                | 11.00              | Pass   |
|      |                 |          | CH <sub>M</sub> | 5.61          | 96.95          | 0.13                   | 5.74                                |                    |        |
|      |                 |          | CH <sub>H</sub> | 5.36          | 96.95          | 0.13                   | 5.49                                |                    |        |
|      | 40              | 802.11ac | CH <sub>L</sub> | 2.20          | 93.86          | 0.28                   | 2.48                                | 11.00              | Pass   |
|      |                 |          | CH <sub>H</sub> | 1.61          | 93.86          | 0.28                   | 1.89                                |                    |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 2.32          | 93.88          | 0.27                   | 2.59                                | 11.00              | Pass   |
|      |                 |          | CH <sub>H</sub> | 1.49          | 93.88          | 0.27                   | 1.76                                |                    |        |
|      | 80              | 802.11ac | CH <sub>M</sub> | -0.83         | 88.12          | 0.55                   | -0.28                               | 11.00              | Pass   |
| Band | Bandwidth (MHz) | Type     | Channel         | Reading (dBm) | Duty cycle (%) | Duty cycle factor (dB) | Power Spectral Density (dBm/500kHz) | Limit (dBm/500kHz) | Result |
| IV   | 20              | 802.11ac | CH <sub>L</sub> | 3.47          | 96.77          | 0.14                   | 3.61                                | 30.00              | Pass   |
|      |                 |          | CH <sub>M</sub> | 2.53          | 96.77          | 0.14                   | 2.67                                |                    |        |
|      |                 |          | CH <sub>H</sub> | 1.88          | 96.77          | 0.14                   | 2.02                                |                    |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 4.69          | 96.75          | 0.14                   | 4.83                                | 30.00              | Pass   |
|      |                 |          | CH <sub>M</sub> | 3.43          | 96.75          | 0.14                   | 3.57                                |                    |        |
|      |                 |          | CH <sub>H</sub> | 3.08          | 96.75          | 0.14                   | 3.22                                |                    |        |
|      |                 | 802.11a  | CH <sub>L</sub> | 3.84          | 96.95          | 0.13                   | 3.97                                | 30.00              | Pass   |
|      |                 |          | CH <sub>M</sub> | 2.89          | 97.03          | 0.13                   | 3.02                                |                    |        |
|      |                 |          | CH <sub>H</sub> | 2.92          | 96.95          | 0.13                   | 3.05                                |                    |        |
|      | 40              | 802.11ac | CH <sub>L</sub> | -0.05         | 93.86          | 0.28                   | 0.23                                | 30.00              | Pass   |
|      |                 |          | CH <sub>H</sub> | -0.16         | 93.86          | 0.28                   | 0.12                                |                    |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 0.26          | 93.88          | 0.27                   | 0.53                                | 30.00              | Pass   |
|      |                 |          | CH <sub>H</sub> | -0.54         | 93.88          | 0.27                   | -0.27                               |                    |        |
|      | 80              | 802.11ac | CH <sub>M</sub> | -3.48         | 88.30          | 0.54                   | -2.94                               | 30.00              | Pass   |

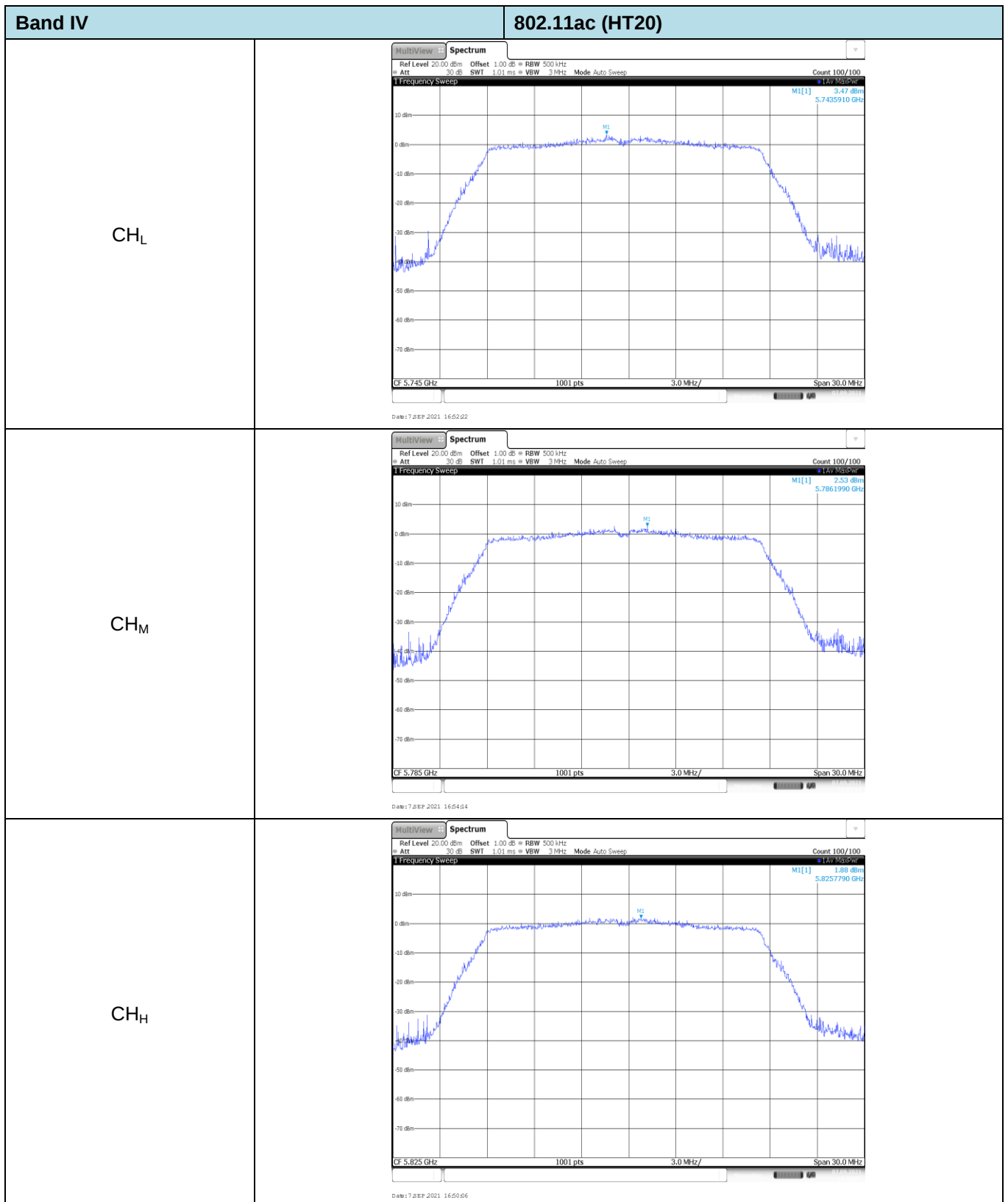


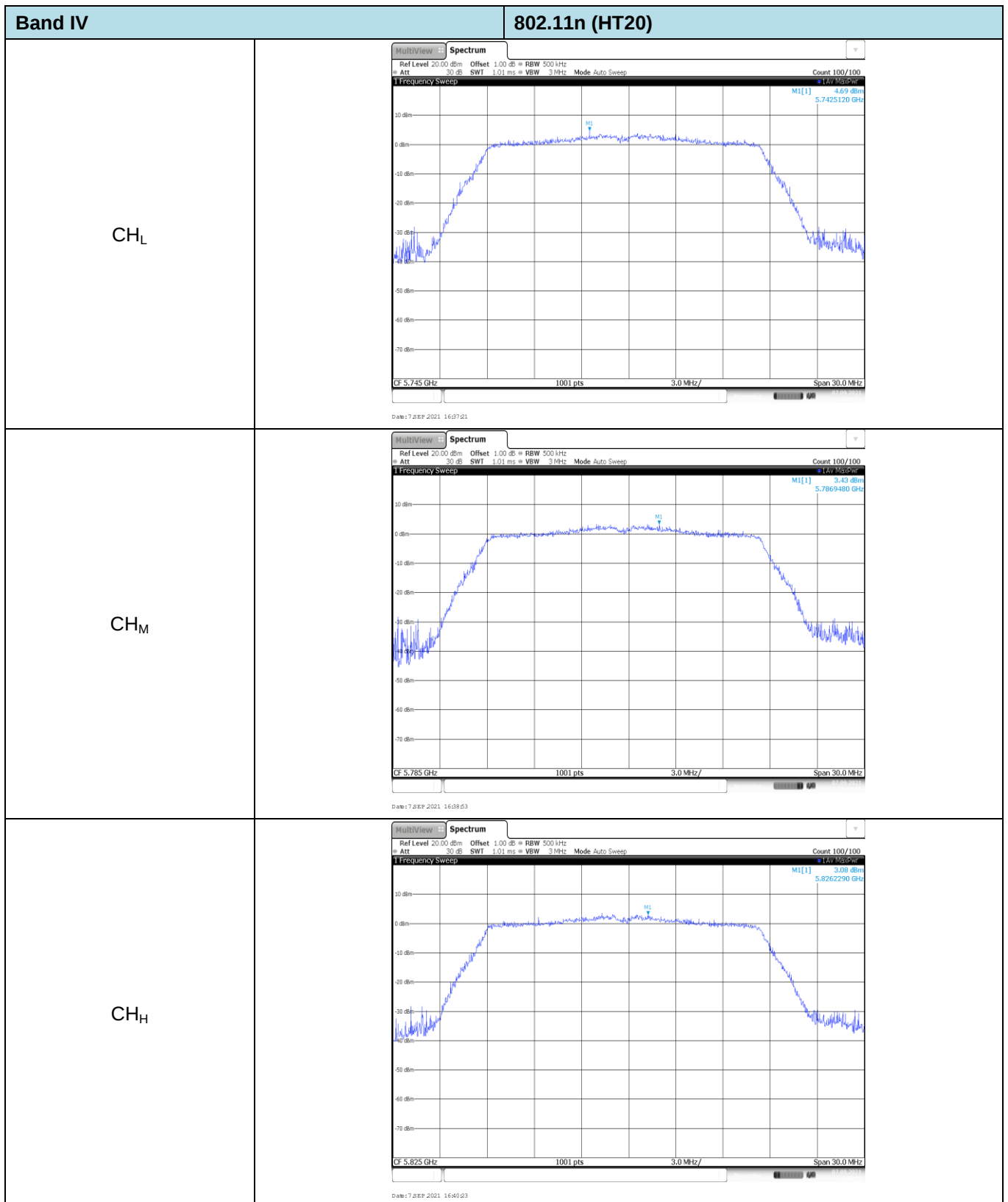


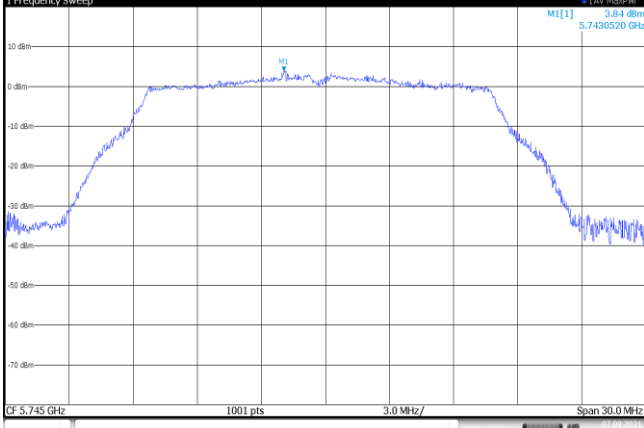
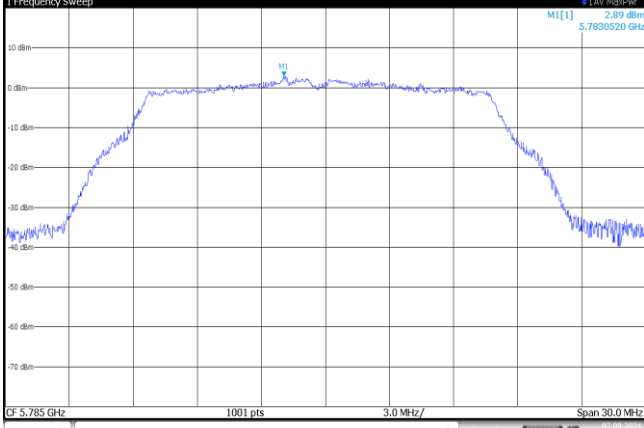
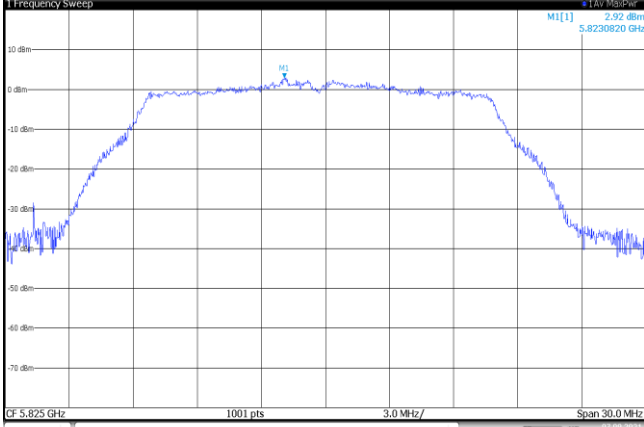


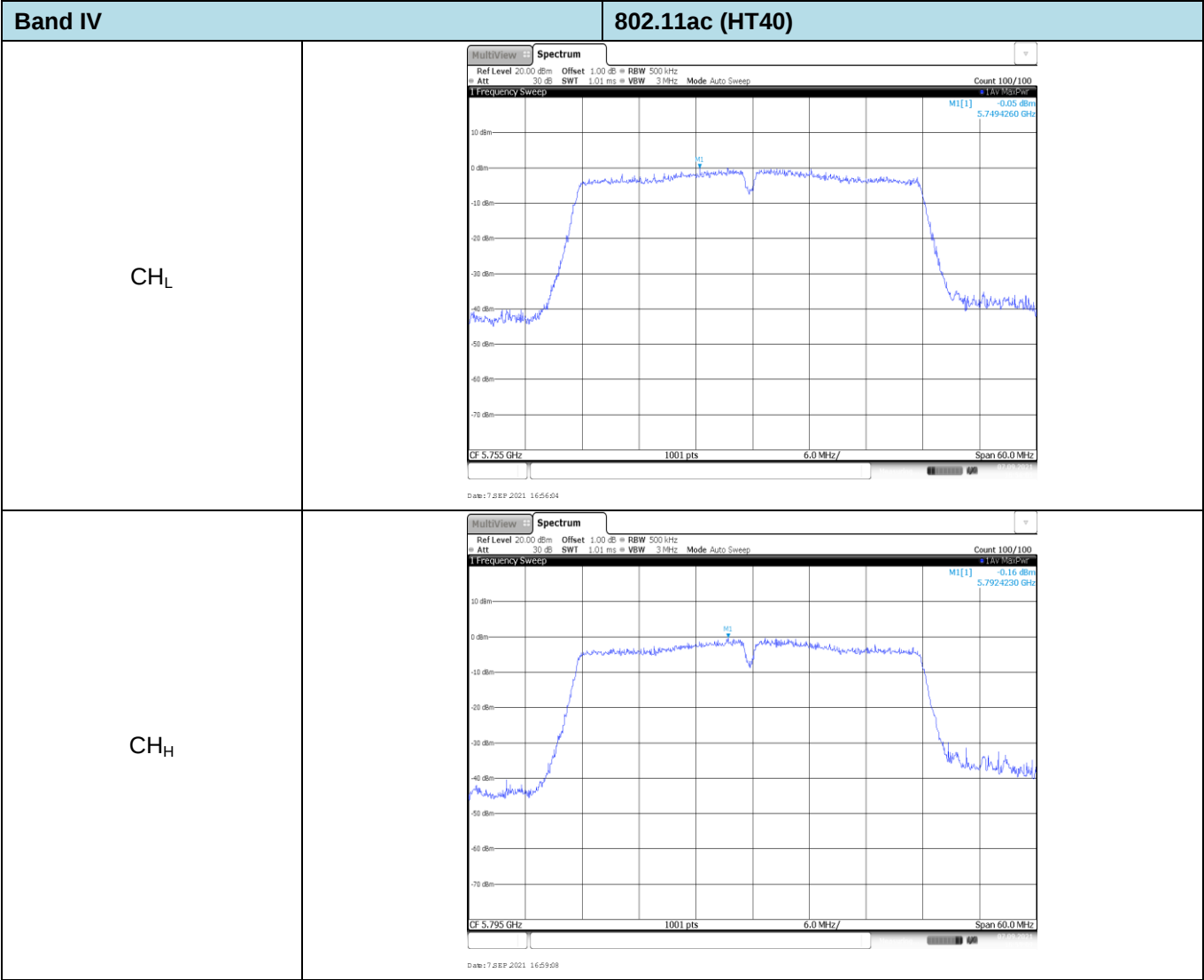
| Band I          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 802.11ac (HT40) |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| CH <sub>L</sub> | <div><div><div><div>MultiView</div><div>Spectrum</div><div>Count 100/100</div></div><div><div>Ref Level 20.00 dBm</div><div>Att 30 dB</div><div>Offset 1.00 dB</div><div>RBW 1 MHz</div><div>SWT 1.01 ms</div><div>VBW 3 MHz</div><div>Mode Auto Sweep</div></div><div>Frequency Sweep</div><div><div>M1</div><div>2.20 dBm</div><div>5.1923380 GHz</div></div><div><div>10 dBm</div><div>0 dBm</div><div>-10 dBm</div><div>-20 dBm</div><div>-30 dBm</div><div>-40 dBm</div><div>-50 dBm</div><div>-60 dBm</div><div>-70 dBm</div></div><div><div>CF 5.19 GHz</div><div>1001 pts</div><div>6.0 MHz/</div><div>Span 60.0 MHz</div></div></div><div>Date: 7 SEP 2021 16:25:55</div></div> |                 |
| CH <sub>H</sub> | <div><div><div><div>MultiView</div><div>Spectrum</div><div>Count 100/100</div></div><div><div>Ref Level 20.00 dBm</div><div>Att 30 dB</div><div>Offset 1.00 dB</div><div>RBW 1 MHz</div><div>SWT 1.01 ms</div><div>VBW 3 MHz</div><div>Mode Auto Sweep</div></div><div>Frequency Sweep</div><div><div>M1</div><div>1.61 dBm</div><div>5.2270630 GHz</div></div><div><div>10 dBm</div><div>0 dBm</div><div>-10 dBm</div><div>-20 dBm</div><div>-30 dBm</div><div>-40 dBm</div><div>-50 dBm</div><div>-60 dBm</div><div>-70 dBm</div></div><div><div>CF 5.23 GHz</div><div>1001 pts</div><div>6.0 MHz/</div><div>Span 60.0 MHz</div></div></div><div>Date: 7 SEP 2021 16:24:53</div></div> |                 |







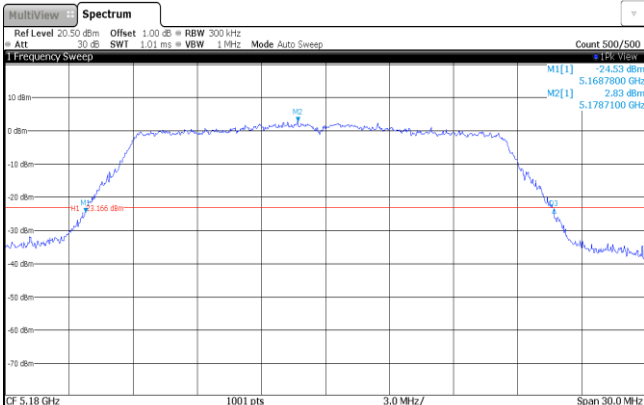
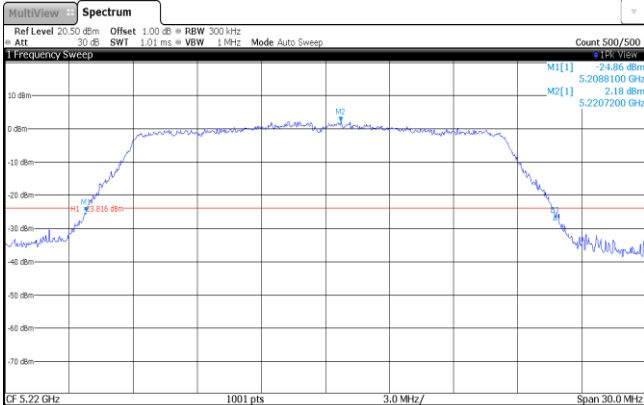
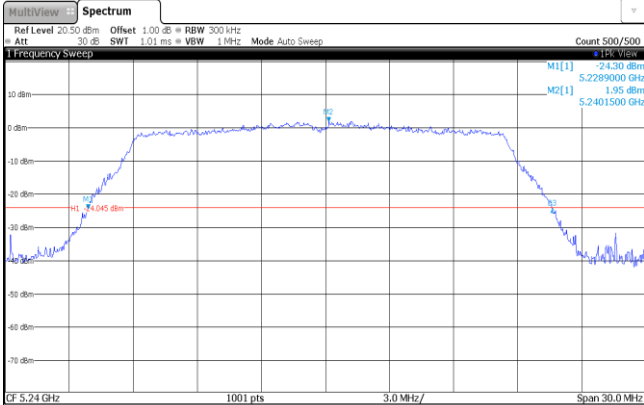
| Band IV         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 802.11a |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| CH <sub>L</sub> | <div><div><div><div>MultiView</div><div>Spectrum</div><div></div></div><div><div>Ref Level 20.00 dBm</div><div>Offset 1.00 dB</div><div>RBW 500 kHz</div><div>Att 30 dB</div><div>SWT 1.01 ms</div><div>VBW 3 MHz</div><div>Mode Auto Sweep</div></div><div>Count 100/100</div><div>↑TAT MSPwr</div><div>1 Frequency Sweep</div><div>M1[1] 3.84 dBm</div><div>5.7430520 GHz</div><div></div><div>CF 5.745 GHz</div><div>1001 pts</div><div>3.0 MHz/</div><div>Span 30.0 MHz</div><div>Date: 7 SEP 2021 16:23:45</div></div></div>   |         |
| CH <sub>M</sub> | <div><div><div><div>MultiView</div><div>Spectrum</div><div></div></div><div><div>Ref Level 20.00 dBm</div><div>Offset 1.00 dB</div><div>RBW 500 kHz</div><div>Att 30 dB</div><div>SWT 1.01 ms</div><div>VBW 3 MHz</div><div>Mode Auto Sweep</div></div><div>Count 100/100</div><div>↑TAT MSPwr</div><div>1 Frequency Sweep</div><div>M1[1] 2.89 dBm</div><div>5.7830520 GHz</div><div></div><div>CF 5.785 GHz</div><div>1001 pts</div><div>3.0 MHz/</div><div>Span 30.0 MHz</div><div>Date: 7 SEP 2021 16:24:43</div></div></div>  |         |
| CH <sub>H</sub> | <div><div><div><div>MultiView</div><div>Spectrum</div><div></div></div><div><div>Ref Level 20.00 dBm</div><div>Offset 1.00 dB</div><div>RBW 500 kHz</div><div>Att 30 dB</div><div>SWT 1.01 ms</div><div>VBW 3 MHz</div><div>Mode Auto Sweep</div></div><div>Count 100/100</div><div>↑TAT MSPwr</div><div>1 Frequency Sweep</div><div>M1[1] 2.92 dBm</div><div>5.8230820 GHz</div><div></div><div>CF 5.825 GHz</div><div>1001 pts</div><div>3.0 MHz/</div><div>Span 30.0 MHz</div><div>Date: 7 SEP 2021 16:24:40</div></div></div> |         |

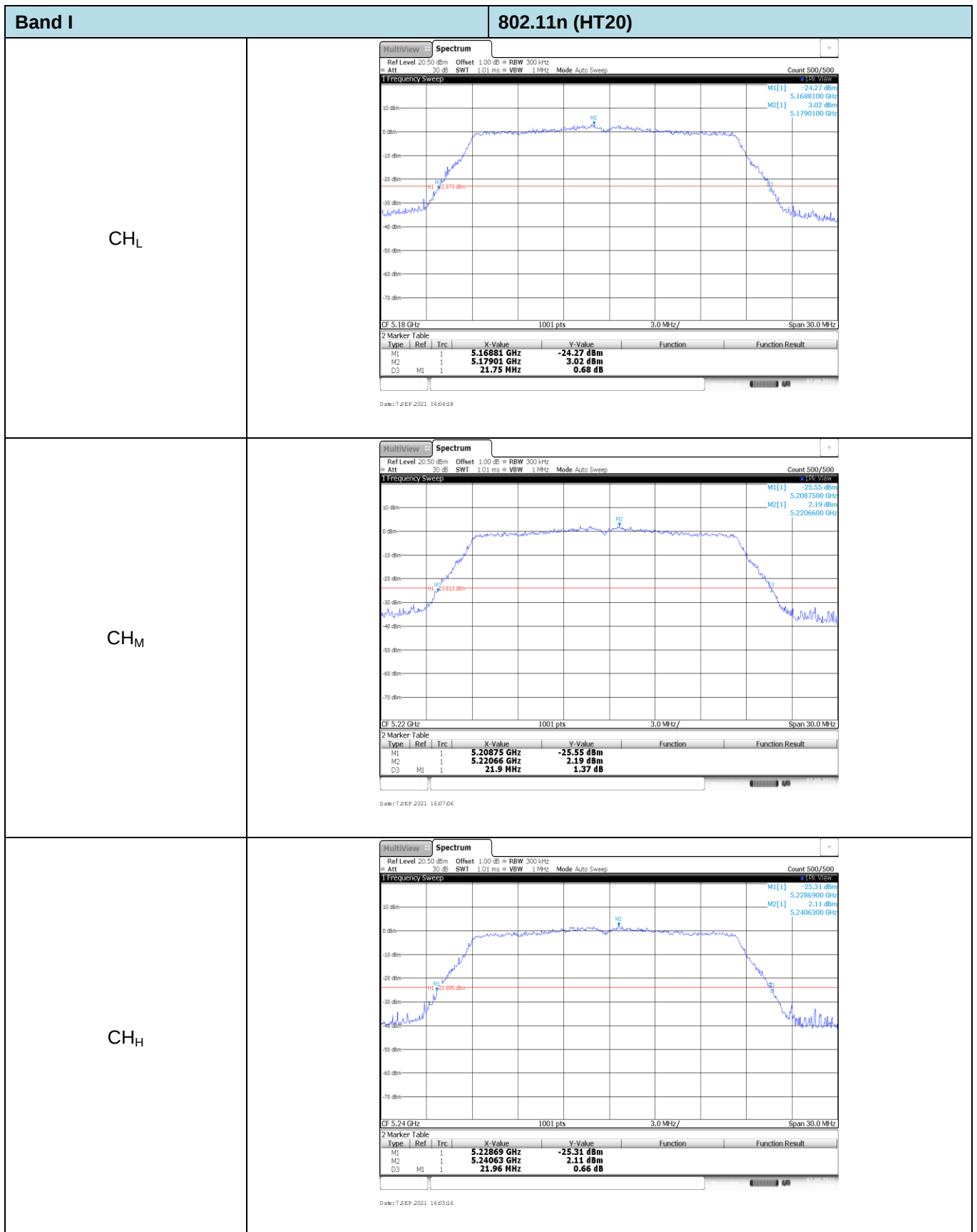


|                 |                                                                                                                                                                                                                                               |                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| Band IV         |                                                                                                                                                                                                                                               | 802.11n (HT40)  |
| CH <sub>L</sub> | <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz<br/>         Att 30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep<br/>         Count 100/100<br/>         M1[1] -0.26 dBm<br/>         5.7573380 GHz<br/>         Date: 17 SEP 2021 16:46:06</p> |                 |
| CH <sub>H</sub> | <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz<br/>         Att 30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep<br/>         Count 100/100<br/>         M1[1] -0.54 dBm<br/>         5.7564390 GHz<br/>         Date: 17 SEP 2021 16:44:02</p> |                 |
| Band IV         |                                                                                                                                                                                                                                               | 802.11ac (HT80) |
| CH <sub>M</sub> | <p>Ref Level 20.00 dBm Offset 1.00 dB RBW 500 kHz<br/>         Att 30 dB SWT 1.01 ms VBW 3 MHz Mode Auto Sweep<br/>         Count 100/100<br/>         M1[1] -3.48 dBm<br/>         5.7738000 GHz<br/>         Date: 17 SEP 2021 17:01:42</p> |                 |

**Appendix C: 26dB bandwidth**

| Band | Bandwidth (MHz) | Type     | Channel         | 26dB bandwidth (MHz) | Result |
|------|-----------------|----------|-----------------|----------------------|--------|
| I    | 20              | 802.11ac | CH <sub>L</sub> | 21.93                | Pass   |
|      |                 |          | CH <sub>M</sub> | 21.93                |        |
|      |                 |          | CH <sub>H</sub> | 21.72                |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 21.75                | Pass   |
|      |                 |          | CH <sub>M</sub> | 21.90                |        |
|      |                 |          | CH <sub>H</sub> | 21.96                |        |
|      |                 | 802.11a  | CH <sub>L</sub> | 21.39                | Pass   |
|      |                 |          | CH <sub>M</sub> | 21.48                |        |
|      |                 |          | CH <sub>H</sub> | 21.51                |        |
|      | 40              | 802.11ac | CH <sub>L</sub> | 40.08                | Pass   |
|      |                 |          | CH <sub>H</sub> | 40.56                |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 40.32                | Pass   |
|      |                 |          | CH <sub>H</sub> | 40.14                |        |
|      | 80              | 802.11ac | CH <sub>M</sub> | 82.56                | Pass   |

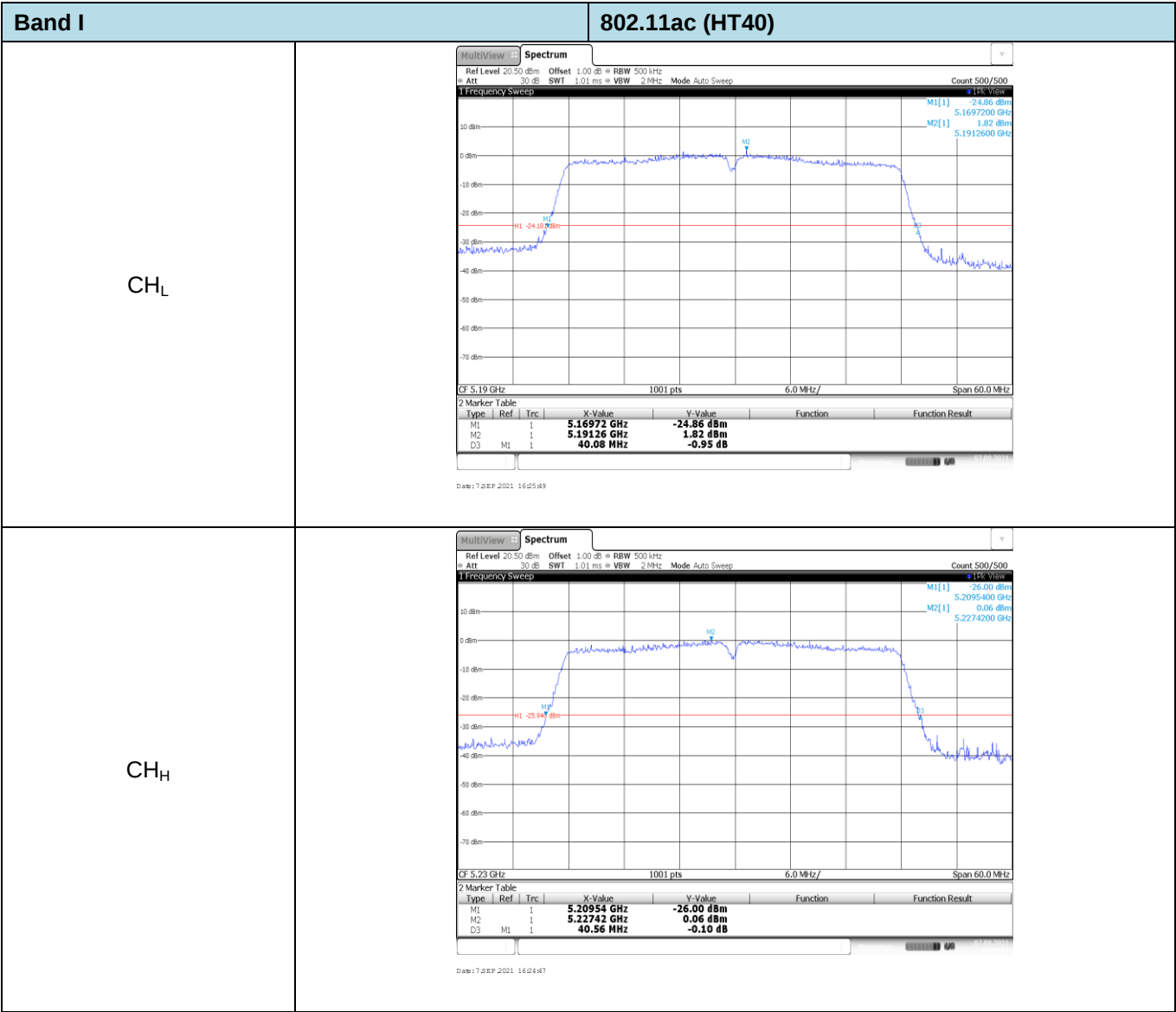
| Band I          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 802.11ac (HT20) |             |            |          |                 |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|------------|----------|-----------------|----------|-----------------|----|---|--|-------------|------------|--|--|----|---|--|-------------|----------|--|--|----|----|---|-----------|----------|--|--|
| CH <sub>L</sub> | <div><div><div><div><div>MultiView</div><div>Spectrum</div><div></div></div><div><div>Ref Level 20.50 dBm</div><div>Offset 1.00 dB</div><div>RBW 300 kHz</div><div>Att 30 dB</div><div>SWT 1.01 ms</div><div>VBW 1 MHz</div><div>Mode Auto Sweep</div><div>Count 500/500</div></div><div>1 Frequency Sweep</div><div></div><div>CF 5.18 GHz1001 pts3.0 MHz/Span 30.0 MHz</div><div><table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>5.16878 GHz</td><td>-24.53 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.17871 GHz</td><td>2.93 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>21.93 MHz</td><td>1.01 dB</td><td></td><td></td></tr></table></div><div>Date: 7 SEP 2021 16:18:40</div></div></div></div>   | Type            | Ref         | Trc        | X-Value  | Y-Value         | Function | Function Result | M1 | 1 |  | 5.16878 GHz | -24.53 dBm |  |  | M2 | 1 |  | 5.17871 GHz | 2.93 dBm |  |  | D3 | M1 | 1 | 21.93 MHz | 1.01 dB  |  |  |
| Type            | Ref                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Trc             | X-Value     | Y-Value    | Function | Function Result |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| M1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 | 5.16878 GHz | -24.53 dBm |          |                 |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| M2              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 | 5.17871 GHz | 2.93 dBm   |          |                 |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| D3              | M1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1               | 21.93 MHz   | 1.01 dB    |          |                 |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| CH <sub>M</sub> | <div><div><div><div><div>MultiView</div><div>Spectrum</div><div></div></div><div><div>Ref Level 20.50 dBm</div><div>Offset 1.00 dB</div><div>RBW 300 kHz</div><div>Att 30 dB</div><div>SWT 1.01 ms</div><div>VBW 1 MHz</div><div>Mode Auto Sweep</div><div>Count 500/500</div></div><div>1 Frequency Sweep</div><div></div><div>CF 5.22 GHz1001 pts3.0 MHz/Span 30.0 MHz</div><div><table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>5.20881 GHz</td><td>-24.86 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.22072 GHz</td><td>2.18 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>21.93 MHz</td><td>-1.18 dB</td><td></td><td></td></tr></table></div><div>Date: 7 SEP 2021 16:21:41</div></div></div></div> | Type            | Ref         | Trc        | X-Value  | Y-Value         | Function | Function Result | M1 | 1 |  | 5.20881 GHz | -24.86 dBm |  |  | M2 | 1 |  | 5.22072 GHz | 2.18 dBm |  |  | D3 | M1 | 1 | 21.93 MHz | -1.18 dB |  |  |
| Type            | Ref                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Trc             | X-Value     | Y-Value    | Function | Function Result |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| M1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 | 5.20881 GHz | -24.86 dBm |          |                 |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| M2              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 | 5.22072 GHz | 2.18 dBm   |          |                 |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| D3              | M1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1               | 21.93 MHz   | -1.18 dB   |          |                 |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| CH <sub>H</sub> | <div><div><div><div><div>MultiView</div><div>Spectrum</div><div></div></div><div><div>Ref Level 20.50 dBm</div><div>Offset 1.00 dB</div><div>RBW 300 kHz</div><div>Att 30 dB</div><div>SWT 1.01 ms</div><div>VBW 1 MHz</div><div>Mode Auto Sweep</div><div>Count 500/500</div></div><div>1 Frequency Sweep</div><div></div><div>CF 5.24 GHz1001 pts3.0 MHz/Span 30.0 MHz</div><div><table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>5.2289 GHz</td><td>-24.30 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.24015 GHz</td><td>1.95 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>21.72 MHz</td><td>0.12 dB</td><td></td><td></td></tr></table></div><div>Date: 7 SEP 2021 16:20:14</div></div></div></div>  | Type            | Ref         | Trc        | X-Value  | Y-Value         | Function | Function Result | M1 | 1 |  | 5.2289 GHz  | -24.30 dBm |  |  | M2 | 1 |  | 5.24015 GHz | 1.95 dBm |  |  | D3 | M1 | 1 | 21.72 MHz | 0.12 dB  |  |  |
| Type            | Ref                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Trc             | X-Value     | Y-Value    | Function | Function Result |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| M1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 | 5.2289 GHz  | -24.30 dBm |          |                 |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| M2              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 | 5.24015 GHz | 1.95 dBm   |          |                 |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| D3              | M1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1               | 21.72 MHz   | 0.12 dB    |          |                 |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |

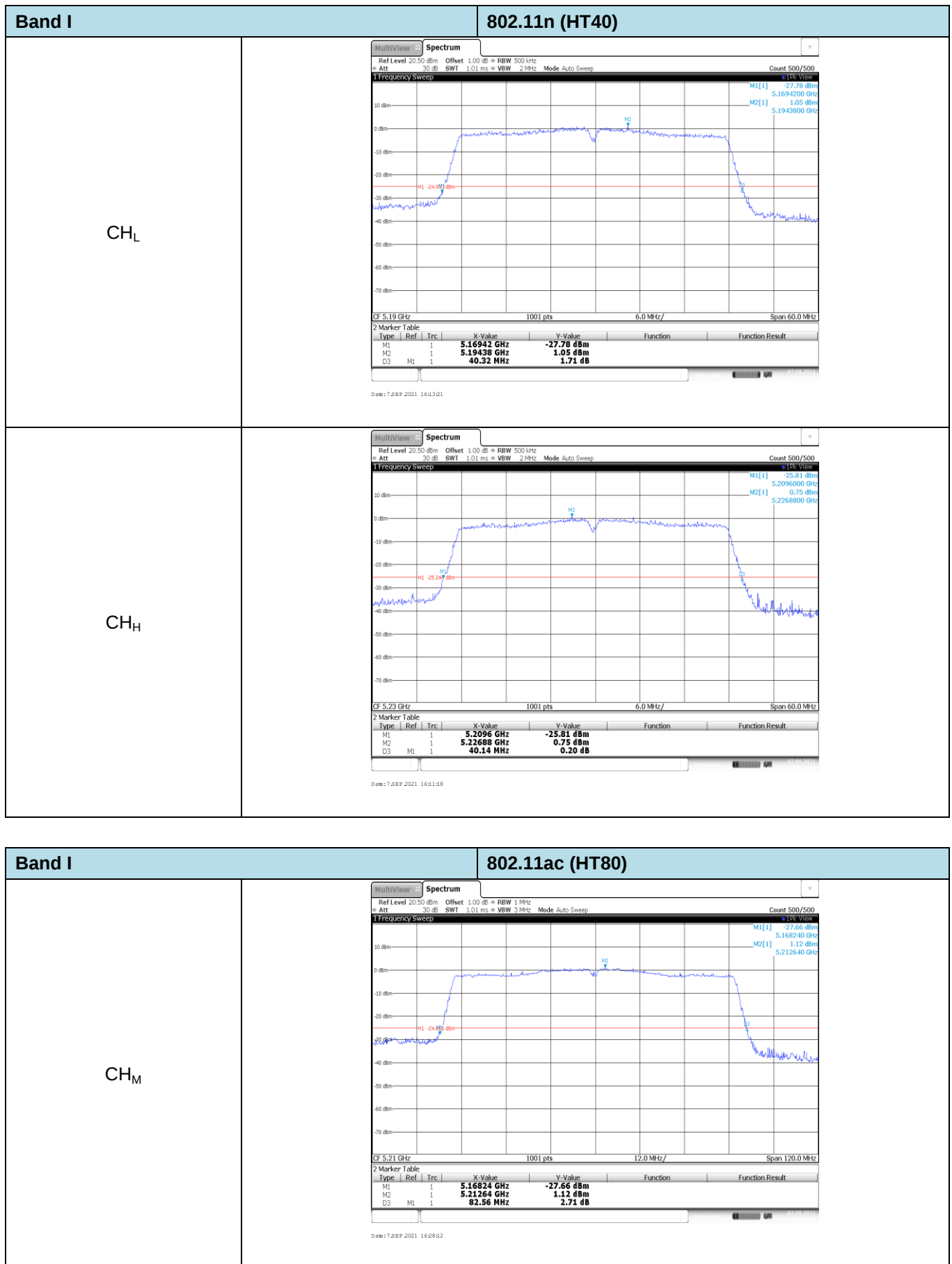


| Band I          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 802.11a |             |            |          |                 |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |           |  |  |    |    |   |           |         |  |  |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------|------------|----------|-----------------|---------|----------|-----------------|----|---|--|-------------|------------|--|--|----|---|--|-------------|-----------|--|--|----|----|---|-----------|---------|--|--|
| CH <sub>L</sub> | <div> <div> <div>MultiView</div> <div>Spectrum</div> </div> <div> <div>Ref Level 20.50 dBm</div> <div>Offset 1.00 dB BW 300 kHz</div> <div>ATT 30 dB</div> <div>SWT 1.01 ms VBW 1 MHz</div> <div>Mode Auto Sweep</div> <div>Count 500/500</div> </div> <div> <div>1 Frequency Sweep</div> <div> <div>CF 5.18 GHz</div> <div>1001 pts</div> <div>3.0 MHz/</div> <div>Span 30.0 MHz</div> </div> <div> <div>2 Marker Table</div> <table> <tr> <th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr> <tr> <td>M1</td><td>1</td><td></td><td>5.16896 GHz</td><td>-22.45 dBm</td><td></td><td></td></tr> <tr> <td>M2</td><td>1</td><td></td><td>5.17814 GHz</td><td>-3.81 dBm</td><td></td><td></td></tr> <tr> <td>D3</td><td>M1</td><td>1</td><td>21.39 MHz</td><td>0.20 dB</td><td></td><td></td></tr> </table> </div> <div>Date: 17 SEP 2021 16:00:19</div> </div> </div> |         | Type        | Ref        | Trc      | X-Value         | Y-Value | Function | Function Result | M1 | 1 |  | 5.16896 GHz | -22.45 dBm |  |  | M2 | 1 |  | 5.17814 GHz | -3.81 dBm |  |  | D3 | M1 | 1 | 21.39 MHz | 0.20 dB |  |  |
| Type            | Ref                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Trc     | X-Value     | Y-Value    | Function | Function Result |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |           |  |  |    |    |   |           |         |  |  |
| M1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         | 5.16896 GHz | -22.45 dBm |          |                 |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |           |  |  |    |    |   |           |         |  |  |
| M2              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         | 5.17814 GHz | -3.81 dBm  |          |                 |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |           |  |  |    |    |   |           |         |  |  |
| D3              | M1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1       | 21.39 MHz   | 0.20 dB    |          |                 |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |           |  |  |    |    |   |           |         |  |  |

| CH <sub>M</sub> | <div> <div> <div>MultiView</div> <div>Spectrum</div> </div> <div> <div>Ref Level 20.50 dBm</div> <div>Offset 1.00 dB BW 300 kHz</div> <div>ATT 30 dB</div> <div>SWT 1.01 ms VBW 1 MHz</div> <div>Mode Auto Sweep</div> <div>Count 500/500</div> </div> <div> <div>1 Frequency Sweep</div> <div> <div>CF 5.22 GHz</div> <div>1001 pts</div> <div>3.0 MHz/</div> <div>Span 30.0 MHz</div> </div> <div> <div>2 Marker Table</div> <table> <tr> <th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr> <tr> <td>M1</td><td>1</td><td></td><td>5.20899 GHz</td><td>-23.19 dBm</td><td></td><td></td></tr> <tr> <td>M2</td><td>1</td><td></td><td>5.21817 GHz</td><td>-2.91 dBm</td><td></td><td></td></tr> <tr> <td>D3</td><td>M1</td><td>1</td><td>21.48 MHz</td><td>-0.18 dB</td><td></td><td></td></tr> </table> </div> <div>Date: 17 SEP 2021 16:01:07</div> </div> </div> |     | Type        | Ref        | Trc      | X-Value         | Y-Value | Function | Function Result | M1 | 1 |  | 5.20899 GHz | -23.19 dBm |  |  | M2 | 1 |  | 5.21817 GHz | -2.91 dBm |  |  | D3 | M1 | 1 | 21.48 MHz | -0.18 dB |  |  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------|------------|----------|-----------------|---------|----------|-----------------|----|---|--|-------------|------------|--|--|----|---|--|-------------|-----------|--|--|----|----|---|-----------|----------|--|--|
| Type            | Ref                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Trc | X-Value     | Y-Value    | Function | Function Result |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |           |  |  |    |    |   |           |          |  |  |
| M1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     | 5.20899 GHz | -23.19 dBm |          |                 |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |           |  |  |    |    |   |           |          |  |  |
| M2              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     | 5.21817 GHz | -2.91 dBm  |          |                 |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |           |  |  |    |    |   |           |          |  |  |
| D3              | M1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1   | 21.48 MHz   | -0.18 dB   |          |                 |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |           |  |  |    |    |   |           |          |  |  |

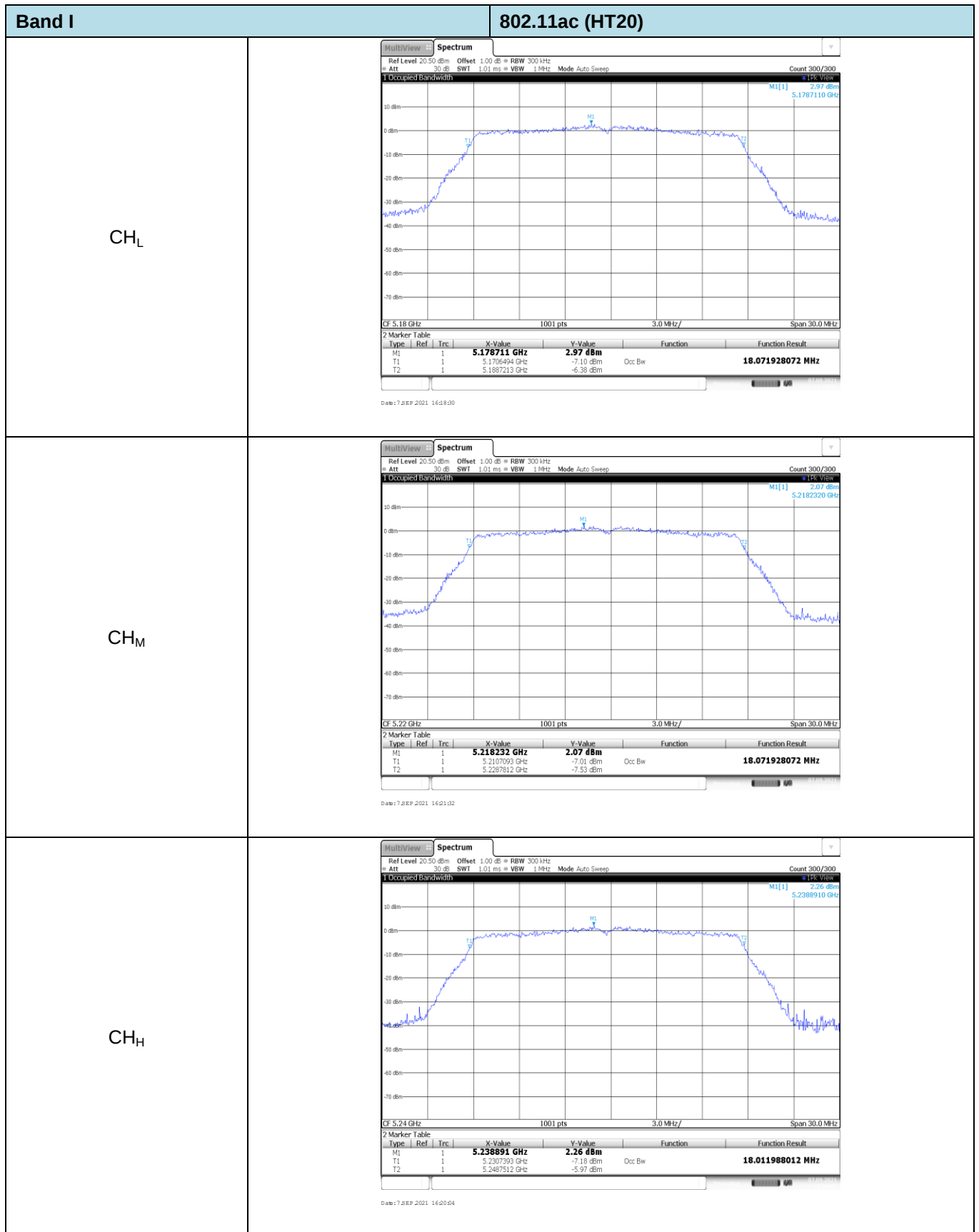
| CH <sub>H</sub> | <div> <div> <div>MultiView</div> <div>Spectrum</div> </div> <div> <div>Ref Level 20.50 dBm</div> <div>Offset 1.00 dB BW 300 kHz</div> <div>ATT 30 dB</div> <div>SWT 1.01 ms VBW 1 MHz</div> <div>Mode Auto Sweep</div> <div>Count 500/500</div> </div> <div> <div>1 Frequency Sweep</div> <div> <div>CF 5.24 GHz</div> <div>1001 pts</div> <div>3.0 MHz/</div> <div>Span 30.0 MHz</div> </div> <div> <div>2 Marker Table</div> <table> <tr> <th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr> <tr> <td>M1</td><td>1</td><td></td><td>5.22902 GHz</td><td>-23.50 dBm</td><td></td><td></td></tr> <tr> <td>M2</td><td>1</td><td></td><td>5.23811 GHz</td><td>-2.70 dBm</td><td></td><td></td></tr> <tr> <td>D3</td><td>M1</td><td>1</td><td>21.51 MHz</td><td>-0.26 dB</td><td></td><td></td></tr> </table> </div> <div>Date: 17 SEP 2021 15:58:44</div> </div> </div> |     | Type        | Ref        | Trc      | X-Value         | Y-Value | Function | Function Result | M1 | 1 |  | 5.22902 GHz | -23.50 dBm |  |  | M2 | 1 |  | 5.23811 GHz | -2.70 dBm |  |  | D3 | M1 | 1 | 21.51 MHz | -0.26 dB |  |  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------|------------|----------|-----------------|---------|----------|-----------------|----|---|--|-------------|------------|--|--|----|---|--|-------------|-----------|--|--|----|----|---|-----------|----------|--|--|
| Type            | Ref                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Trc | X-Value     | Y-Value    | Function | Function Result |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |           |  |  |    |    |   |           |          |  |  |
| M1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     | 5.22902 GHz | -23.50 dBm |          |                 |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |           |  |  |    |    |   |           |          |  |  |
| M2              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     | 5.23811 GHz | -2.70 dBm  |          |                 |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |           |  |  |    |    |   |           |          |  |  |
| D3              | M1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1   | 21.51 MHz   | -0.26 dB   |          |                 |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |           |  |  |    |    |   |           |          |  |  |

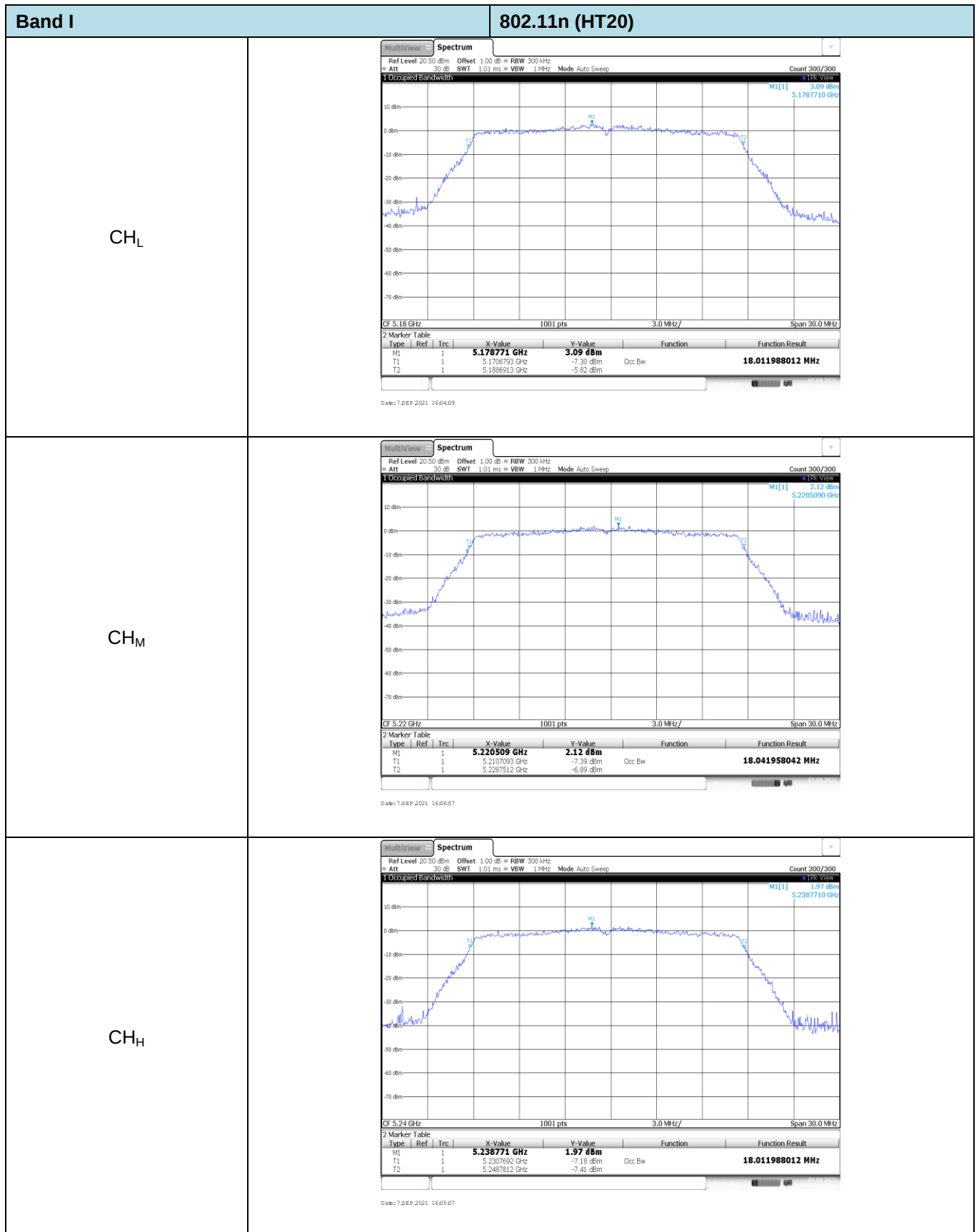


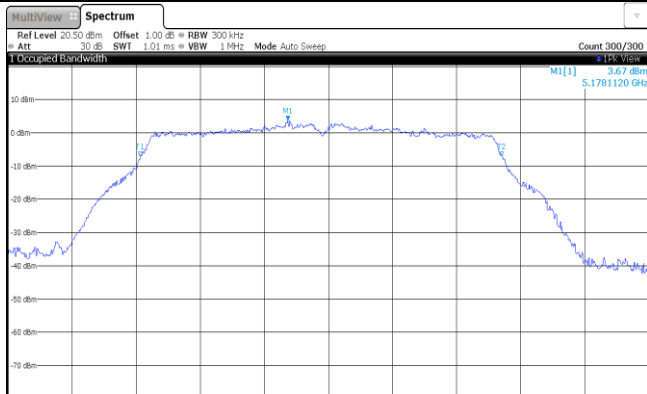


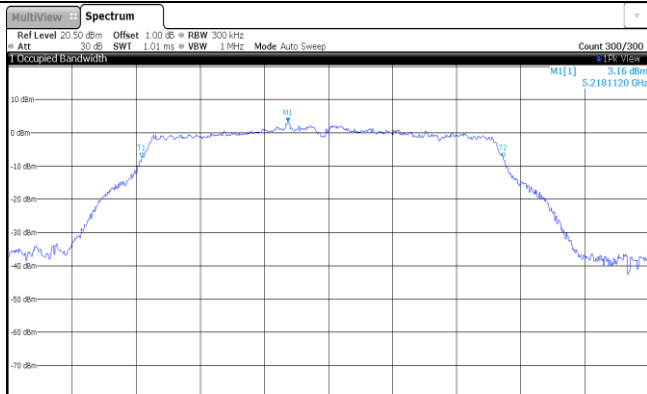
**Appendix D: 99% Occupy bandwidth**

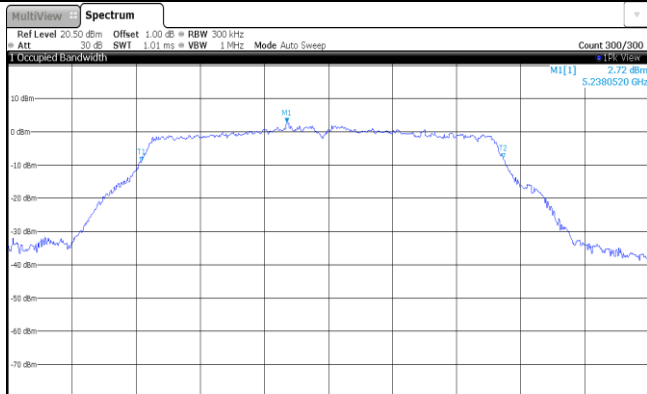
| Band | Bandwidth (MHz) | Type     | Channel         | 99% Occupy bandwidth (MHz) | Result |
|------|-----------------|----------|-----------------|----------------------------|--------|
| I    | 20              | 802.11ac | CH <sub>L</sub> | 18.07                      | Pass   |
|      |                 |          | CH <sub>M</sub> | 18.07                      |        |
|      |                 |          | CH <sub>H</sub> | 18.01                      |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 18.01                      | Pass   |
|      |                 |          | CH <sub>M</sub> | 18.04                      |        |
|      |                 |          | CH <sub>H</sub> | 18.01                      |        |
|      |                 | 802.11a  | CH <sub>L</sub> | 16.93                      | Pass   |
|      |                 |          | CH <sub>M</sub> | 16.93                      |        |
|      |                 |          | CH <sub>H</sub> | 16.93                      |        |
|      | 40              | 802.11ac | CH <sub>L</sub> | 36.26                      | Pass   |
|      |                 |          | CH <sub>H</sub> | 36.32                      |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 36.38                      | Pass   |
|      |                 |          | CH <sub>H</sub> | 36.32                      |        |
|      | 80              | 802.11ac | CH <sub>M</sub> | 75.64                      | Pass   |
| IV   | 20              | 802.11ac | CH <sub>L</sub> | 17.98                      | Pass   |
|      |                 |          | CH <sub>M</sub> | 18.04                      |        |
|      |                 |          | CH <sub>H</sub> | 18.04                      |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 18.01                      | Pass   |
|      |                 |          | CH <sub>M</sub> | 18.10                      |        |
|      |                 |          | CH <sub>H</sub> | 18.04                      |        |
|      |                 | 802.11a  | CH <sub>L</sub> | 16.99                      | Pass   |
|      |                 |          | CH <sub>M</sub> | 16.96                      |        |
|      |                 |          | CH <sub>H</sub> | 16.96                      |        |
|      | 40              | 802.11ac | CH <sub>L</sub> | 36.32                      | Pass   |
|      |                 |          | CH <sub>H</sub> | 36.20                      |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 36.38                      | Pass   |
|      |                 |          | CH <sub>H</sub> | 36.38                      |        |
|      | 80              | 802.11ac | CH <sub>M</sub> | 75.41                      | Pass   |

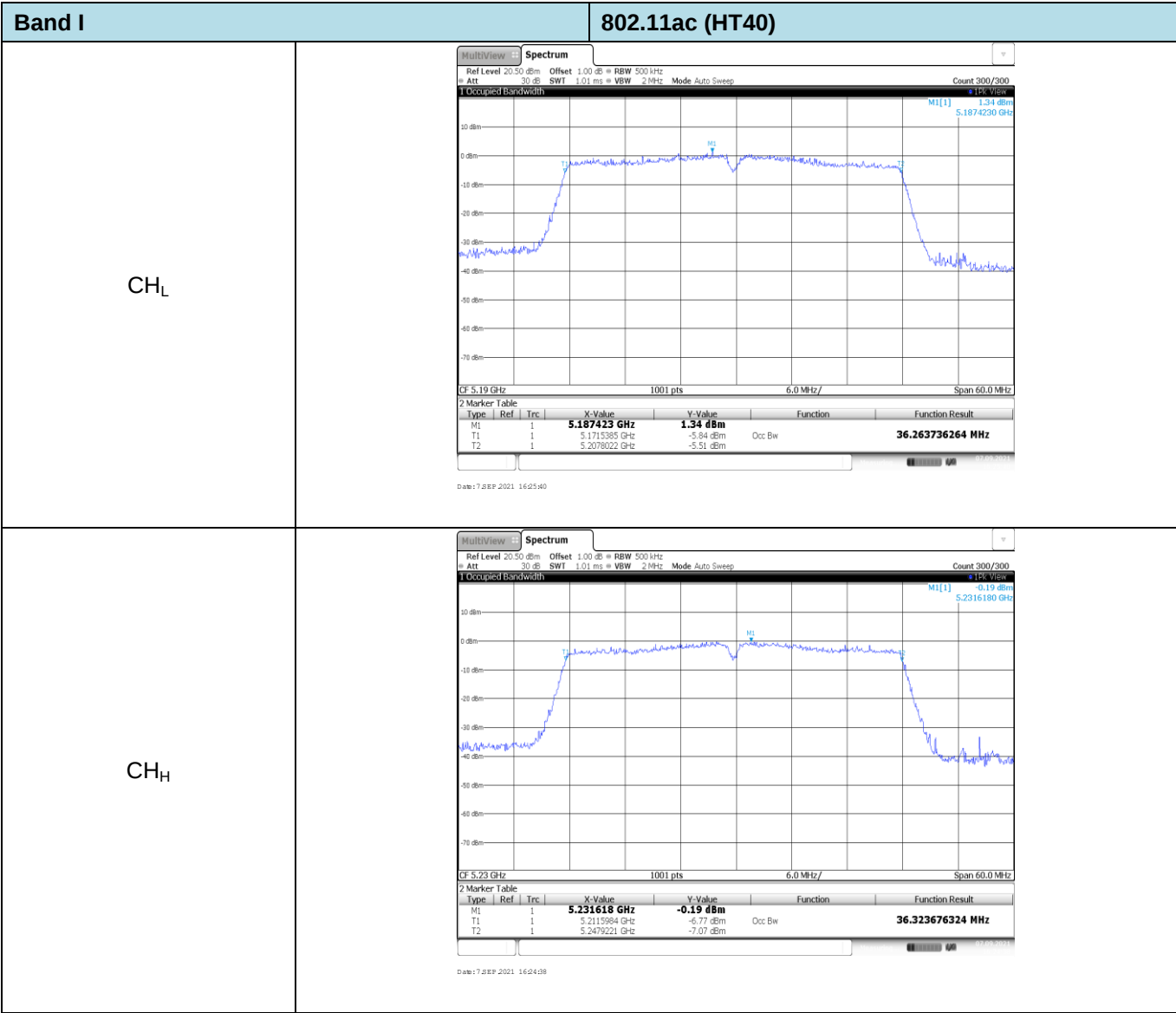


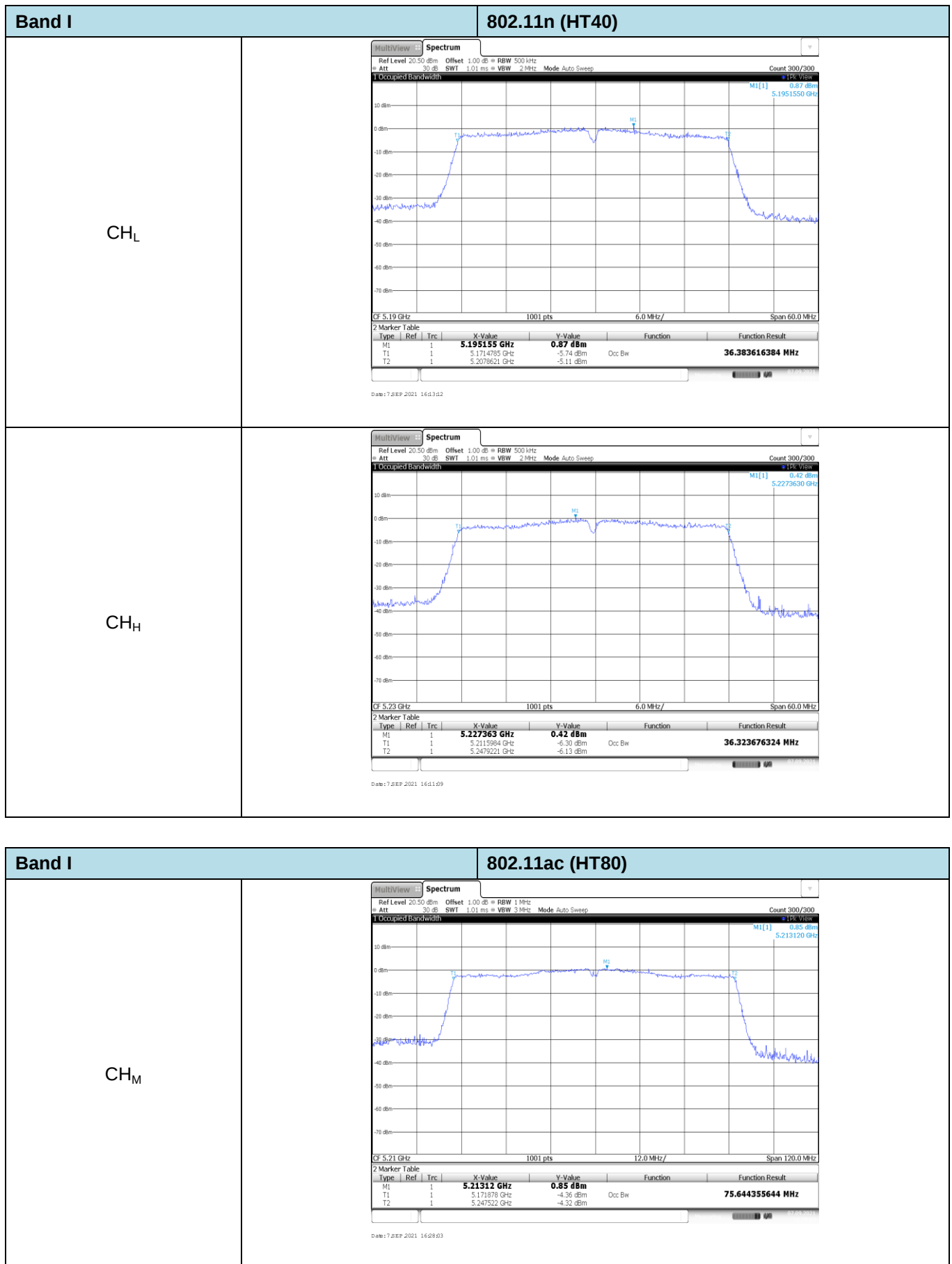


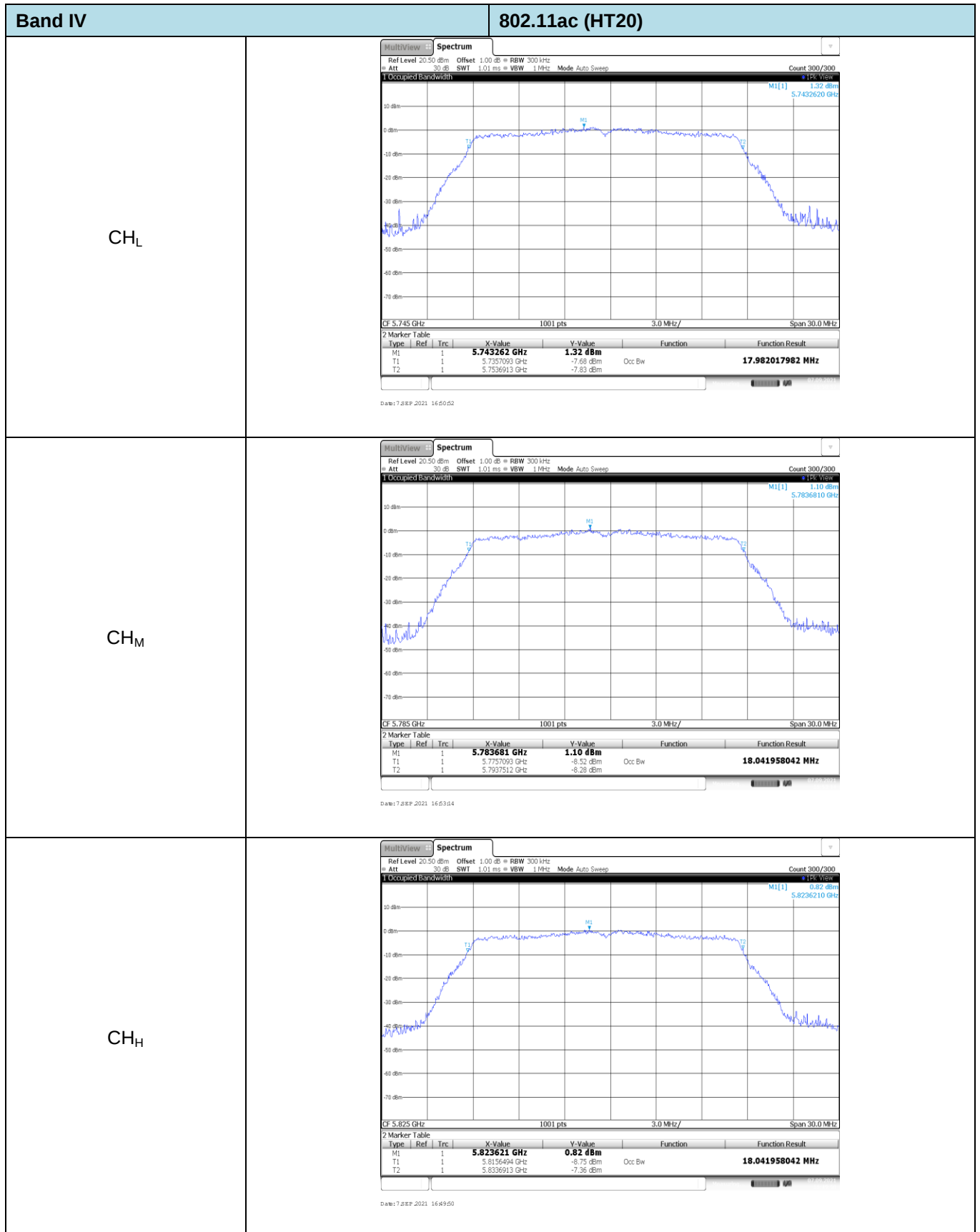
| Band I          | 802.11a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |               |           |          |                  |          |                 |    |   |  |              |          |  |  |    |   |  |              |           |        |                  |    |   |  |               |           |  |  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|-----------|----------|------------------|----------|-----------------|----|---|--|--------------|----------|--|--|----|---|--|--------------|-----------|--------|------------------|----|---|--|---------------|-----------|--|--|
| CH <sub>L</sub> | <div data-bbox="683 226 1332 712">  <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz<br/>ATT 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 300/300</p> <p>Occupied Bandwidth</p> <p>CF 5.18 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table> <tr> <th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr> <tr> <td>M1</td><td>1</td><td></td><td>5.178112 GHz</td><td>3.67 dBm</td><td></td><td></td></tr> <tr> <td>T1</td><td>1</td><td></td><td>5.171888 GHz</td><td>-7.13 dBm</td><td>Occ BW</td><td>16.933066933 MHz</td></tr> <tr> <td>T2</td><td>1</td><td></td><td>5.1881219 GHz</td><td>-7.11 dBm</td><td></td><td></td></tr> </table> <p>Date: 17 SEP 2021 16:00:10</p> </div> | Type | Ref           | Trc       | X-Value  | Y-Value          | Function | Function Result | M1 | 1 |  | 5.178112 GHz | 3.67 dBm |  |  | T1 | 1 |  | 5.171888 GHz | -7.13 dBm | Occ BW | 16.933066933 MHz | T2 | 1 |  | 5.1881219 GHz | -7.11 dBm |  |  |
| Type            | Ref                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Trc  | X-Value       | Y-Value   | Function | Function Result  |          |                 |    |   |  |              |          |  |  |    |   |  |              |           |        |                  |    |   |  |               |           |  |  |
| M1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      | 5.178112 GHz  | 3.67 dBm  |          |                  |          |                 |    |   |  |              |          |  |  |    |   |  |              |           |        |                  |    |   |  |               |           |  |  |
| T1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      | 5.171888 GHz  | -7.13 dBm | Occ BW   | 16.933066933 MHz |          |                 |    |   |  |              |          |  |  |    |   |  |              |           |        |                  |    |   |  |               |           |  |  |
| T2              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      | 5.1881219 GHz | -7.11 dBm |          |                  |          |                 |    |   |  |              |          |  |  |    |   |  |              |           |        |                  |    |   |  |               |           |  |  |

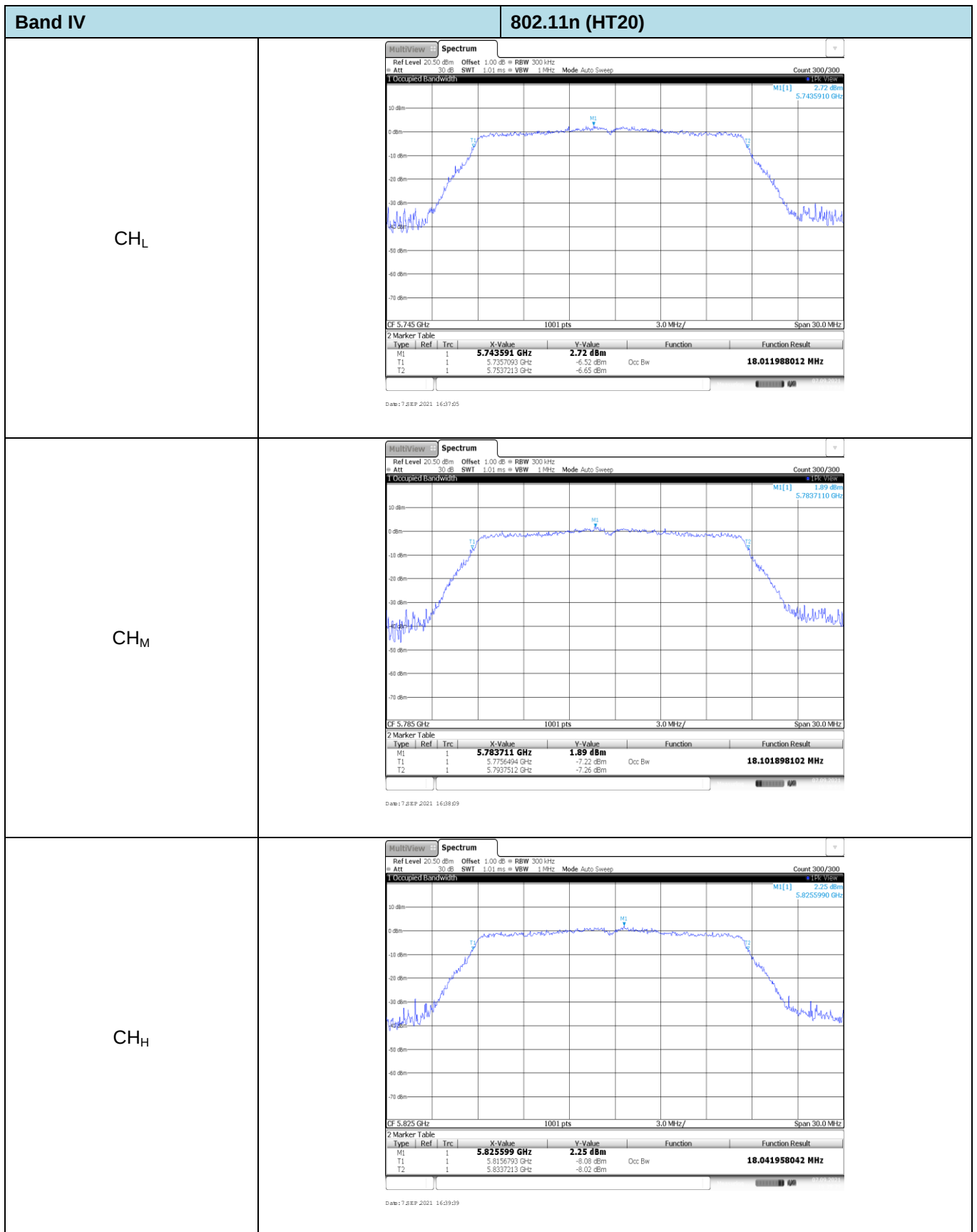
| CH <sub>M</sub> | <div data-bbox="683 784 1332 1270">  <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz<br/>ATT 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 300/300</p> <p>Occupied Bandwidth</p> <p>CF 5.22 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table> <tr> <th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr> <tr> <td>M1</td><td>1</td><td></td><td>5.218112 GHz</td><td>3.16 dBm</td><td></td><td></td></tr> <tr> <td>T1</td><td>1</td><td></td><td>5.211488 GHz</td><td>-7.46 dBm</td><td>Occ BW</td><td>16.933066933 MHz</td></tr> <tr> <td>T2</td><td>1</td><td></td><td>5.2281818 GHz</td><td>-7.42 dBm</td><td></td><td></td></tr> </table> <p>Date: 17 SEP 2021 16:01:47</p> </div> | Type | Ref           | Trc       | X-Value  | Y-Value          | Function | Function Result | M1 | 1 |  | 5.218112 GHz | 3.16 dBm |  |  | T1 | 1 |  | 5.211488 GHz | -7.46 dBm | Occ BW | 16.933066933 MHz | T2 | 1 |  | 5.2281818 GHz | -7.42 dBm |  |  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|-----------|----------|------------------|----------|-----------------|----|---|--|--------------|----------|--|--|----|---|--|--------------|-----------|--------|------------------|----|---|--|---------------|-----------|--|--|
| Type            | Ref                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Trc  | X-Value       | Y-Value   | Function | Function Result  |          |                 |    |   |  |              |          |  |  |    |   |  |              |           |        |                  |    |   |  |               |           |  |  |
| M1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      | 5.218112 GHz  | 3.16 dBm  |          |                  |          |                 |    |   |  |              |          |  |  |    |   |  |              |           |        |                  |    |   |  |               |           |  |  |
| T1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      | 5.211488 GHz  | -7.46 dBm | Occ BW   | 16.933066933 MHz |          |                 |    |   |  |              |          |  |  |    |   |  |              |           |        |                  |    |   |  |               |           |  |  |
| T2              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      | 5.2281818 GHz | -7.42 dBm |          |                  |          |                 |    |   |  |              |          |  |  |    |   |  |              |           |        |                  |    |   |  |               |           |  |  |

| CH <sub>H</sub> | <div data-bbox="683 1344 1332 1830">  <p>Ref Level 20.50 dBm Offset 1.00 dB BW 300 kHz<br/>ATT 30 dB SWT 1.01 ms VBW 1 MHz Mode Auto Sweep Count 300/300</p> <p>Occupied Bandwidth</p> <p>CF 5.24 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz</p> <table> <tr> <th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr> <tr> <td>M1</td><td>1</td><td></td><td>5.238052 GHz</td><td>2.72 dBm</td><td></td><td></td></tr> <tr> <td>T1</td><td>1</td><td></td><td>5.231488 GHz</td><td>-8.99 dBm</td><td>Occ BW</td><td>16.933066933 MHz</td></tr> <tr> <td>T2</td><td>1</td><td></td><td>5.2481818 GHz</td><td>-7.82 dBm</td><td></td><td></td></tr> </table> <p>Date: 17 SEP 2021 15:58:34</p> </div> | Type | Ref           | Trc       | X-Value  | Y-Value          | Function | Function Result | M1 | 1 |  | 5.238052 GHz | 2.72 dBm |  |  | T1 | 1 |  | 5.231488 GHz | -8.99 dBm | Occ BW | 16.933066933 MHz | T2 | 1 |  | 5.2481818 GHz | -7.82 dBm |  |  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------|-----------|----------|------------------|----------|-----------------|----|---|--|--------------|----------|--|--|----|---|--|--------------|-----------|--------|------------------|----|---|--|---------------|-----------|--|--|
| Type            | Ref                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Trc  | X-Value       | Y-Value   | Function | Function Result  |          |                 |    |   |  |              |          |  |  |    |   |  |              |           |        |                  |    |   |  |               |           |  |  |
| M1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      | 5.238052 GHz  | 2.72 dBm  |          |                  |          |                 |    |   |  |              |          |  |  |    |   |  |              |           |        |                  |    |   |  |               |           |  |  |
| T1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      | 5.231488 GHz  | -8.99 dBm | Occ BW   | 16.933066933 MHz |          |                 |    |   |  |              |          |  |  |    |   |  |              |           |        |                  |    |   |  |               |           |  |  |
| T2              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      | 5.2481818 GHz | -7.82 dBm |          |                  |          |                 |    |   |  |              |          |  |  |    |   |  |              |           |        |                  |    |   |  |               |           |  |  |

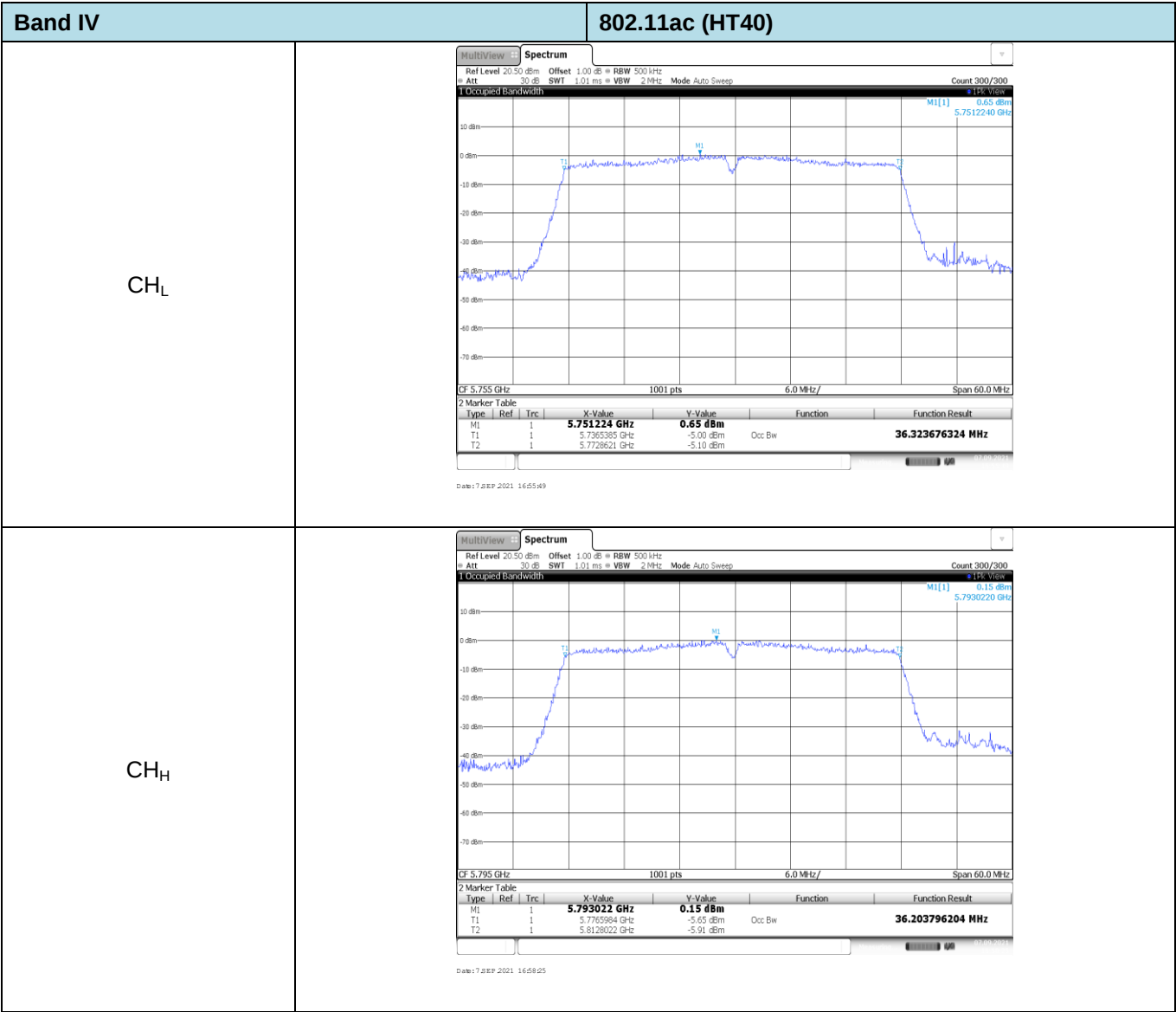


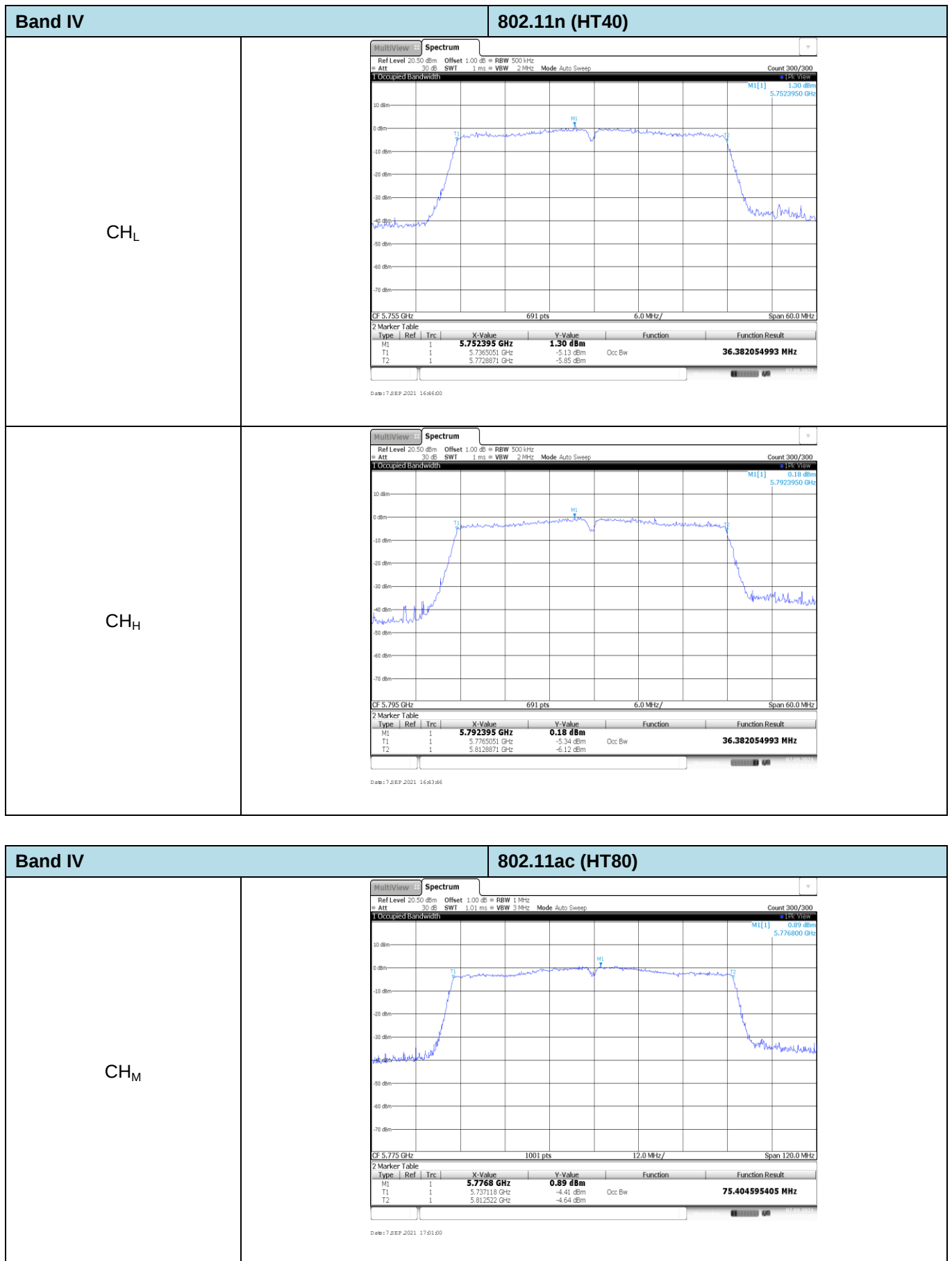






| Band IV         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 802.11a |               |            |          |                  |          |                 |    |   |  |              |          |  |  |    |   |  |               |            |        |                  |    |   |  |               |           |  |  |  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------|------------|----------|------------------|----------|-----------------|----|---|--|--------------|----------|--|--|----|---|--|---------------|------------|--------|------------------|----|---|--|---------------|-----------|--|--|--|
| CH <sub>L</sub> | <div><div><div><div><div><div>MultiView</div><div>Spectrum</div></div><div><div>Ref Level 20.50 dBm</div><div>Offset 1.00 dB</div><div>RBW 300 kHz</div><div>Att 30 dB</div><div>SWF 1.01 ms</div><div>VBW 1 MHz</div><div>Mode Auto Sweep</div></div><div>Count 300/300</div></div><div>1 Occupied Bandwidth</div><div></div><div><div>CF 5.745 GHz</div><div>1001 pts</div><div>3.0 MHz/</div><div>Span 30.0 MHz</div></div><div><table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>5.743082 GHz</td><td>2.56 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>5.7361888 GHz</td><td>-8.38 dBm</td><td>Occ Bw</td><td>16.993006993 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>5.7531818 GHz</td><td>-8.21 dBm</td><td></td><td></td></tr></table></div></div><div>Date:7 SEP 2021 16:33:28</div></div></div>  | Type    | Ref           | Trc        | X-Value  | Y-Value          | Function | Function Result | M1 | 1 |  | 5.743082 GHz | 2.56 dBm |  |  | T1 | 1 |  | 5.7361888 GHz | -8.38 dBm  | Occ Bw | 16.993006993 MHz | T2 | 1 |  | 5.7531818 GHz | -8.21 dBm |  |  |  |
| Type            | Ref                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Trc     | X-Value       | Y-Value    | Function | Function Result  |          |                 |    |   |  |              |          |  |  |    |   |  |               |            |        |                  |    |   |  |               |           |  |  |  |
| M1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         | 5.743082 GHz  | 2.56 dBm   |          |                  |          |                 |    |   |  |              |          |  |  |    |   |  |               |            |        |                  |    |   |  |               |           |  |  |  |
| T1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         | 5.7361888 GHz | -8.38 dBm  | Occ Bw   | 16.993006993 MHz |          |                 |    |   |  |              |          |  |  |    |   |  |               |            |        |                  |    |   |  |               |           |  |  |  |
| T2              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         | 5.7531818 GHz | -8.21 dBm  |          |                  |          |                 |    |   |  |              |          |  |  |    |   |  |               |            |        |                  |    |   |  |               |           |  |  |  |
| CH <sub>M</sub> | <div><div><div><div><div><div>MultiView</div><div>Spectrum</div></div><div><div>Ref Level 20.50 dBm</div><div>Offset 1.00 dB</div><div>RBW 300 kHz</div><div>Att 30 dB</div><div>SWF 1.01 ms</div><div>VBW 1 MHz</div><div>Mode Auto Sweep</div></div><div>Count 300/300</div></div><div>1 Occupied Bandwidth</div><div></div><div><div>CF 5.785 GHz</div><div>1001 pts</div><div>3.0 MHz/</div><div>Span 30.0 MHz</div></div><div><table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>5.783082 GHz</td><td>1.78 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>5.7761888 GHz</td><td>-10.05 dBm</td><td>Occ Bw</td><td>16.963036963 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>5.7931518 GHz</td><td>-9.26 dBm</td><td></td><td></td></tr></table></div></div><div>Date:7 SEP 2021 16:34:27</div></div></div> | Type    | Ref           | Trc        | X-Value  | Y-Value          | Function | Function Result | M1 | 1 |  | 5.783082 GHz | 1.78 dBm |  |  | T1 | 1 |  | 5.7761888 GHz | -10.05 dBm | Occ Bw | 16.963036963 MHz | T2 | 1 |  | 5.7931518 GHz | -9.26 dBm |  |  |  |
| Type            | Ref                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Trc     | X-Value       | Y-Value    | Function | Function Result  |          |                 |    |   |  |              |          |  |  |    |   |  |               |            |        |                  |    |   |  |               |           |  |  |  |
| M1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         | 5.783082 GHz  | 1.78 dBm   |          |                  |          |                 |    |   |  |              |          |  |  |    |   |  |               |            |        |                  |    |   |  |               |           |  |  |  |
| T1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         | 5.7761888 GHz | -10.05 dBm | Occ Bw   | 16.963036963 MHz |          |                 |    |   |  |              |          |  |  |    |   |  |               |            |        |                  |    |   |  |               |           |  |  |  |
| T2              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         | 5.7931518 GHz | -9.26 dBm  |          |                  |          |                 |    |   |  |              |          |  |  |    |   |  |               |            |        |                  |    |   |  |               |           |  |  |  |
| CH <sub>H</sub> | <div><div><div><div><div><div>MultiView</div><div>Spectrum</div></div><div><div>Ref Level 20.50 dBm</div><div>Offset 1.00 dB</div><div>RBW 300 kHz</div><div>Att 30 dB</div><div>SWF 1.01 ms</div><div>VBW 1 MHz</div><div>Mode Auto Sweep</div></div><div>Count 300/300</div></div><div>1 Occupied Bandwidth</div><div></div><div><div>CF 5.825 GHz</div><div>1001 pts</div><div>3.0 MHz/</div><div>Span 30.0 MHz</div></div><div><table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-Value</th><th>Y-Value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>5.823052 GHz</td><td>1.64 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>5.8161588 GHz</td><td>-9.34 dBm</td><td>Occ Bw</td><td>16.963036963 MHz</td></tr><tr><td>T2</td><td>1</td><td></td><td>5.8331219 GHz</td><td>-8.57 dBm</td><td></td><td></td></tr></table></div></div><div>Date:7 SEP 2021 16:32:24</div></div></div>  | Type    | Ref           | Trc        | X-Value  | Y-Value          | Function | Function Result | M1 | 1 |  | 5.823052 GHz | 1.64 dBm |  |  | T1 | 1 |  | 5.8161588 GHz | -9.34 dBm  | Occ Bw | 16.963036963 MHz | T2 | 1 |  | 5.8331219 GHz | -8.57 dBm |  |  |  |
| Type            | Ref                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Trc     | X-Value       | Y-Value    | Function | Function Result  |          |                 |    |   |  |              |          |  |  |    |   |  |               |            |        |                  |    |   |  |               |           |  |  |  |
| M1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         | 5.823052 GHz  | 1.64 dBm   |          |                  |          |                 |    |   |  |              |          |  |  |    |   |  |               |            |        |                  |    |   |  |               |           |  |  |  |
| T1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         | 5.8161588 GHz | -9.34 dBm  | Occ Bw   | 16.963036963 MHz |          |                 |    |   |  |              |          |  |  |    |   |  |               |            |        |                  |    |   |  |               |           |  |  |  |
| T2              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         | 5.8331219 GHz | -8.57 dBm  |          |                  |          |                 |    |   |  |              |          |  |  |    |   |  |               |            |        |                  |    |   |  |               |           |  |  |  |





**Appendix E: 6dB Bandwidth**

| Band | Bandwidth (MHz) | Type     | Channel         | 6dB bandwidth (MHz) | Result |
|------|-----------------|----------|-----------------|---------------------|--------|
| IV   | 20              | 802.11ac | CH <sub>L</sub> | 17.64               | Pass   |
|      |                 |          | CH <sub>M</sub> | 17.61               |        |
|      |                 |          | CH <sub>H</sub> | 17.61               |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 17.61               | Pass   |
|      |                 |          | CH <sub>M</sub> | 17.61               |        |
|      |                 |          | CH <sub>H</sub> | 17.61               |        |
|      |                 | 802.11a  | CH <sub>L</sub> | 16.38               | Pass   |
|      |                 |          | CH <sub>M</sub> | 16.38               |        |
|      |                 |          | CH <sub>H</sub> | 16.38               |        |
|      | 40              | 802.11ac | CH <sub>L</sub> | 36.00               | Pass   |
|      |                 |          | CH <sub>H</sub> | 36.18               |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 36.09               | Pass   |
|      |                 |          | CH <sub>H</sub> | 36.17               |        |
|      | 80              | 802.11ac | CH <sub>M</sub> | 75.48               | Pass   |

| Test channel    | 802.11ac (HT20)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| CH <sub>L</sub> | <div><div><div><div><div>MultiView</div><div>Spectrum</div></div><div><div>Ref Level 20.50 dBm</div><div>Offset 1.00 dB</div><div>RBW 100 kHz</div><div>Att 30 dB</div><div>SWT 1.04 ms</div><div>VBW 300 kHz</div><div>Mode Auto Sweep</div></div><div>Count 500/500</div></div><div><div>1 Frequency 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|

Test channel

802.11ac (HT40)

CH<sub>L</sub>

**Frequency Sweep**

Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz  
Att 30 dB SWT 1.07 ms VBW 300 kHz Mode Auto Sweep

Count 500/500

11.28 dBm  
M1[1] 5.736880 GHz  
M2[1] -4.75 dBm  
5.7584200 GHz

CF 5.755 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz

| Type | Ref | Trc | X-Value     | Y-Value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   | 1   |     | 5.73688 GHz | -11.28 dBm |          |                 |
| M2   | 1   |     | 5.75842 GHz | -4.75 dBm  |          |                 |
| D3   | M1  | 1   | 36.0 MHz    | 0.45 dB    |          |                 |

Date: 7 SEP 2021 16:55:58

CH<sub>H</sub>

**Frequency Sweep**

Ref Level 20.50 dBm Offset 1.00 dB RBW 100 kHz  
Att 30 dB SWT 1.07 ms VBW 300 kHz Mode Auto Sweep

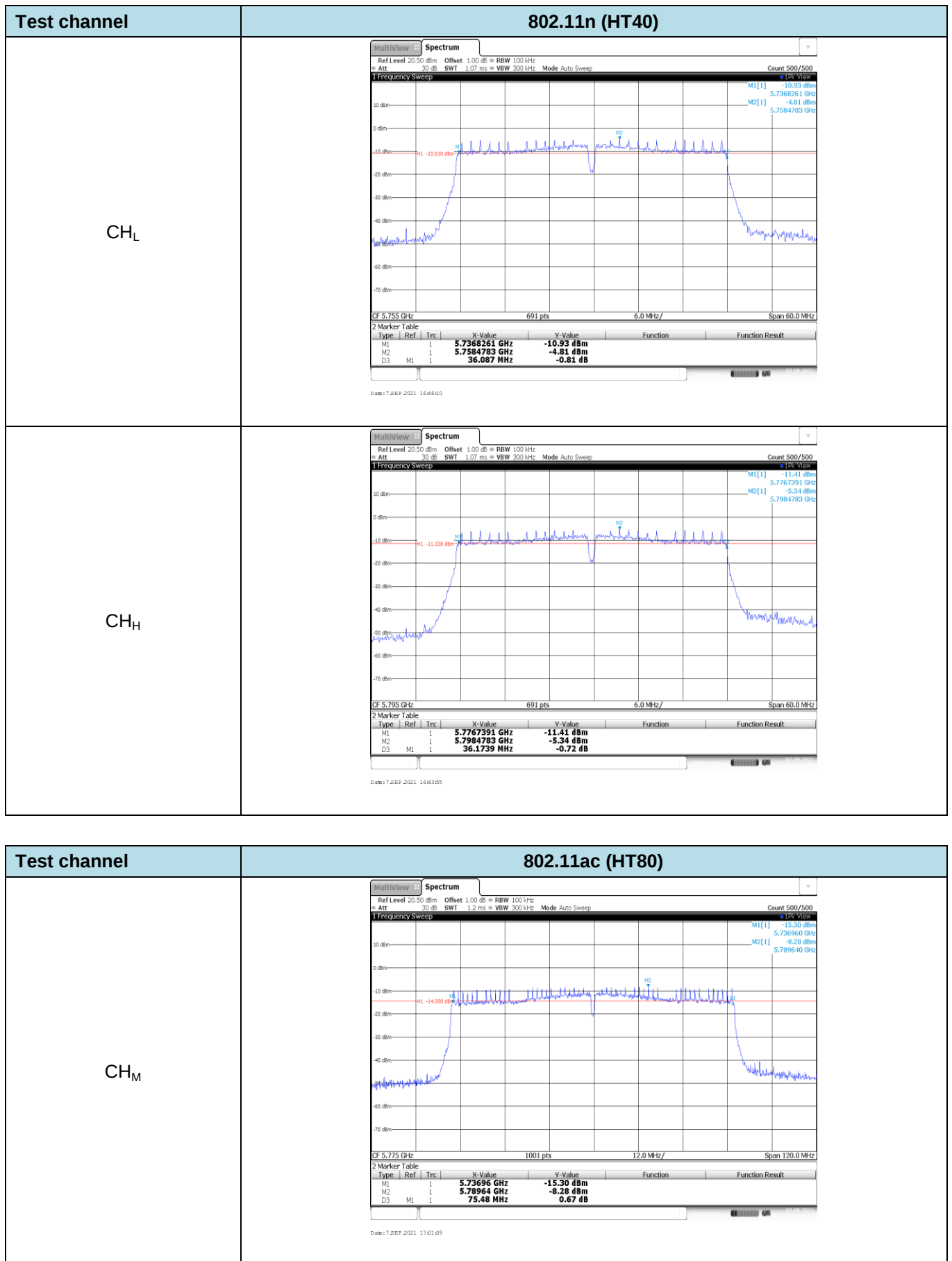
Count 500/500

12.49 dBm  
M1[1] 5.7767000 GHz  
M2[1] -5.24 dBm  
5.7984200 GHz

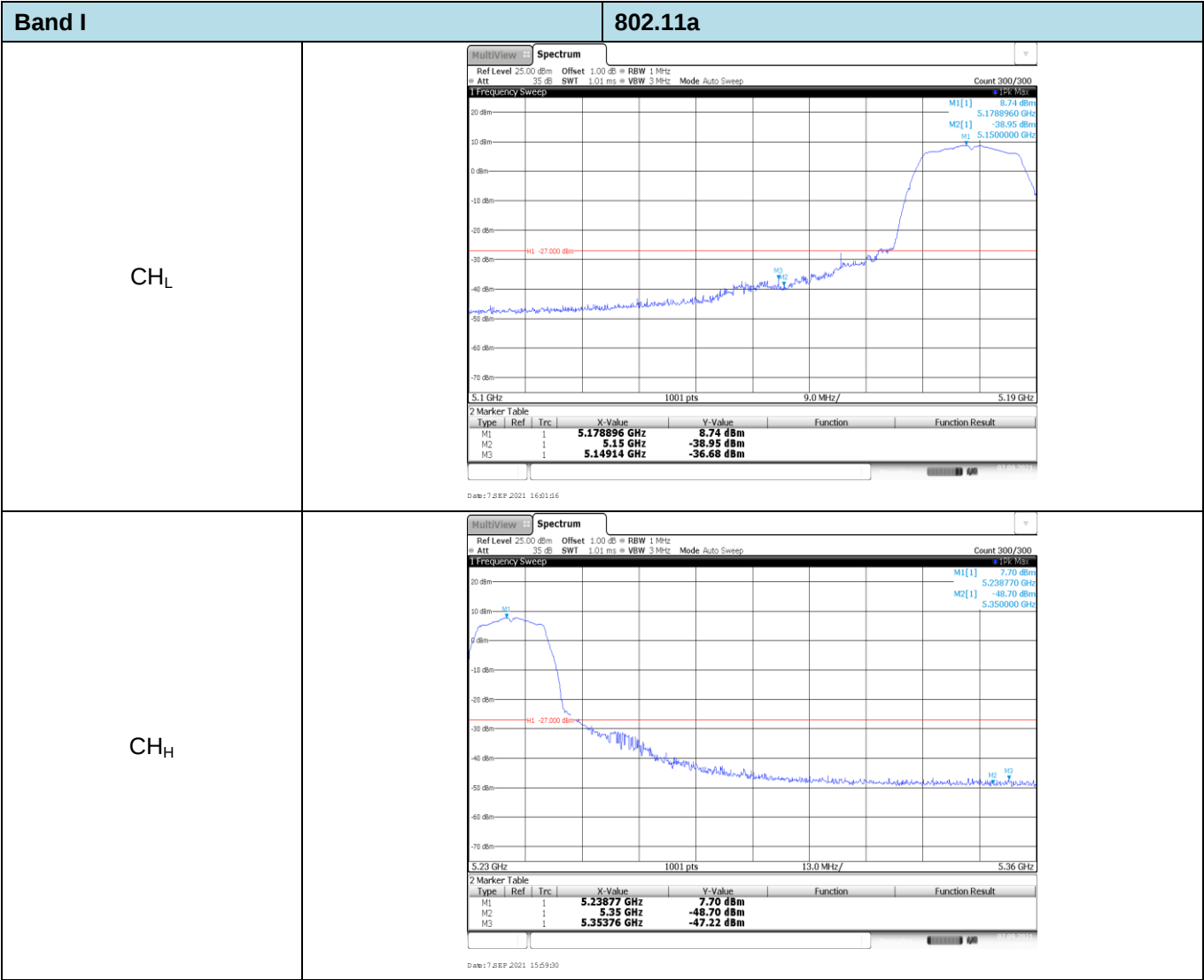
CF 5.795 GHz 1001 pts 6.0 MHz/ Span 60.0 MHz

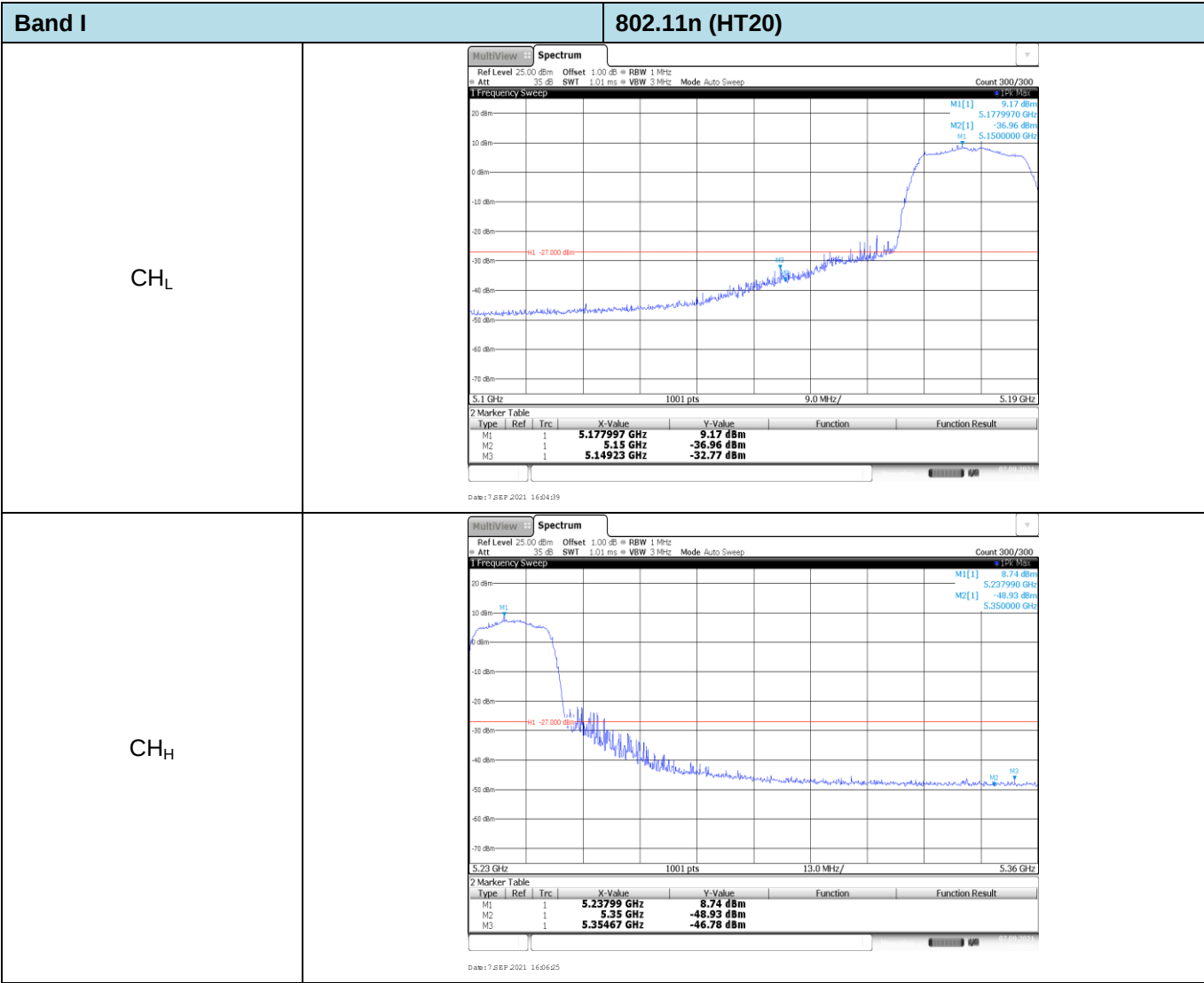
| Type | Ref | Trc | X-Value     | Y-Value    | Function | Function Result |
|------|-----|-----|-------------|------------|----------|-----------------|
| M1   | 1   |     | 5.7767 GHz  | -12.49 dBm |          |                 |
| M2   | 1   |     | 5.79842 GHz | -5.24 dBm  |          |                 |
| D3   | M1  | 1   | 36.18 MHz   | 1.02 dB    |          |                 |

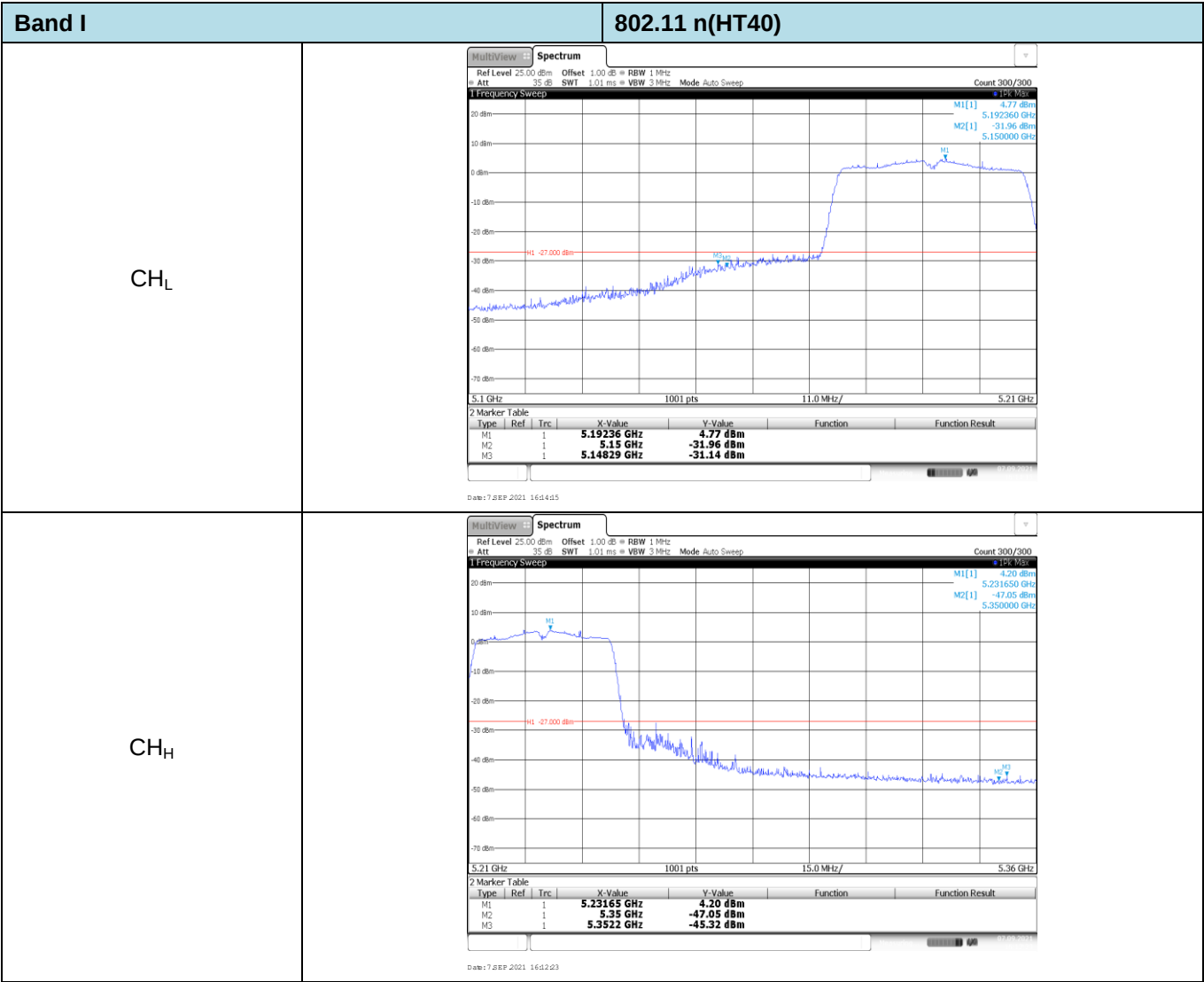
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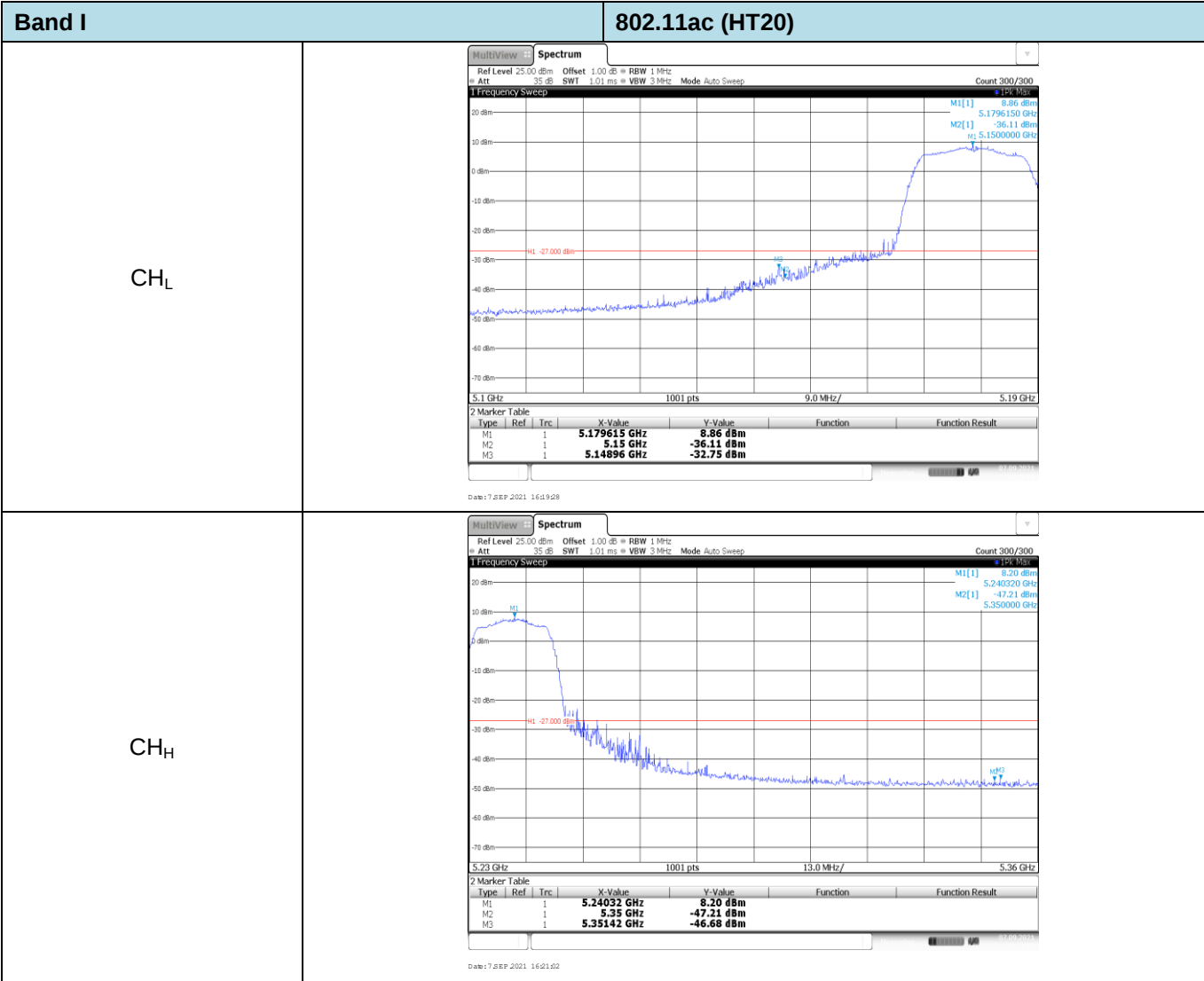


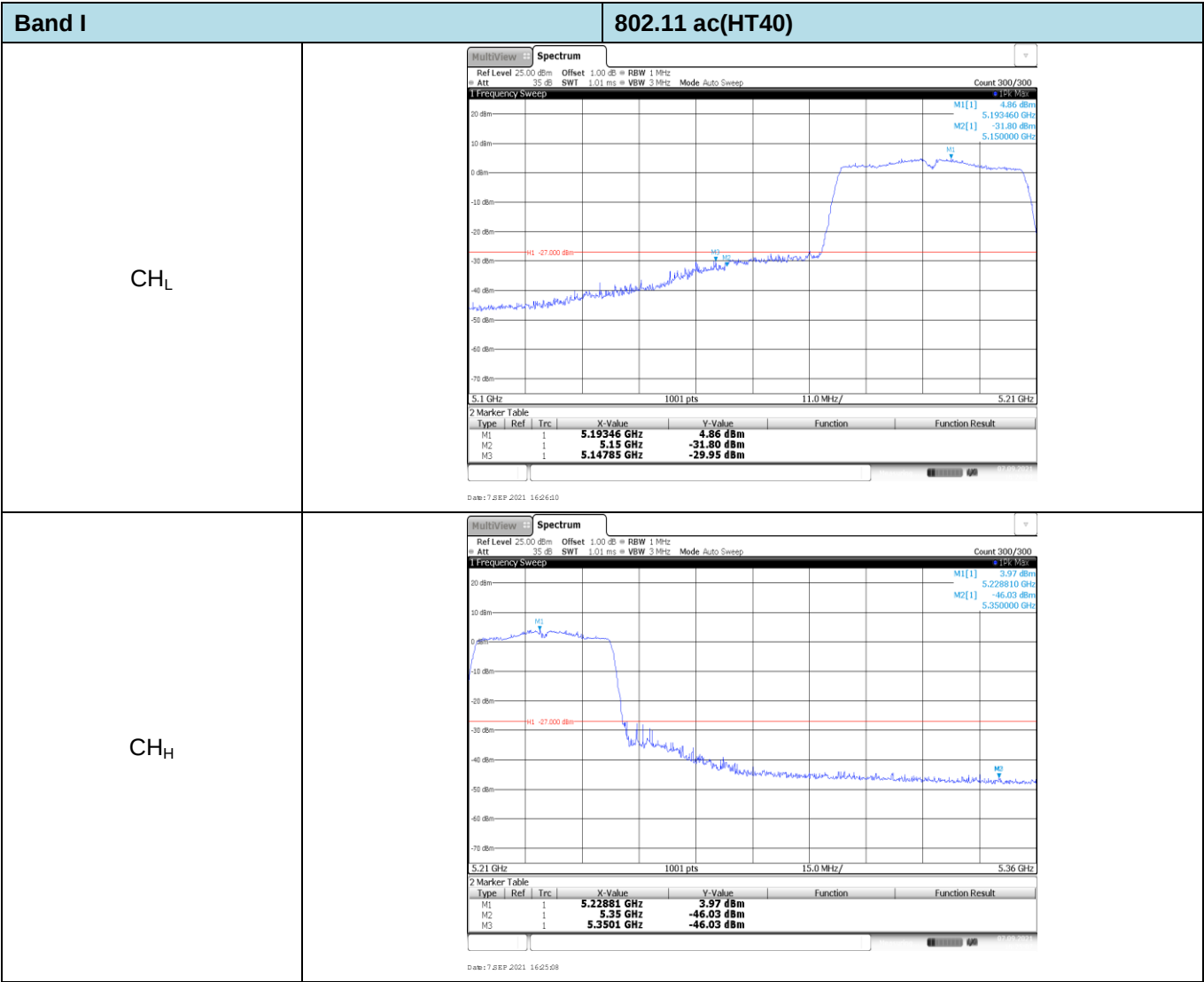
Appendix F: Band edge

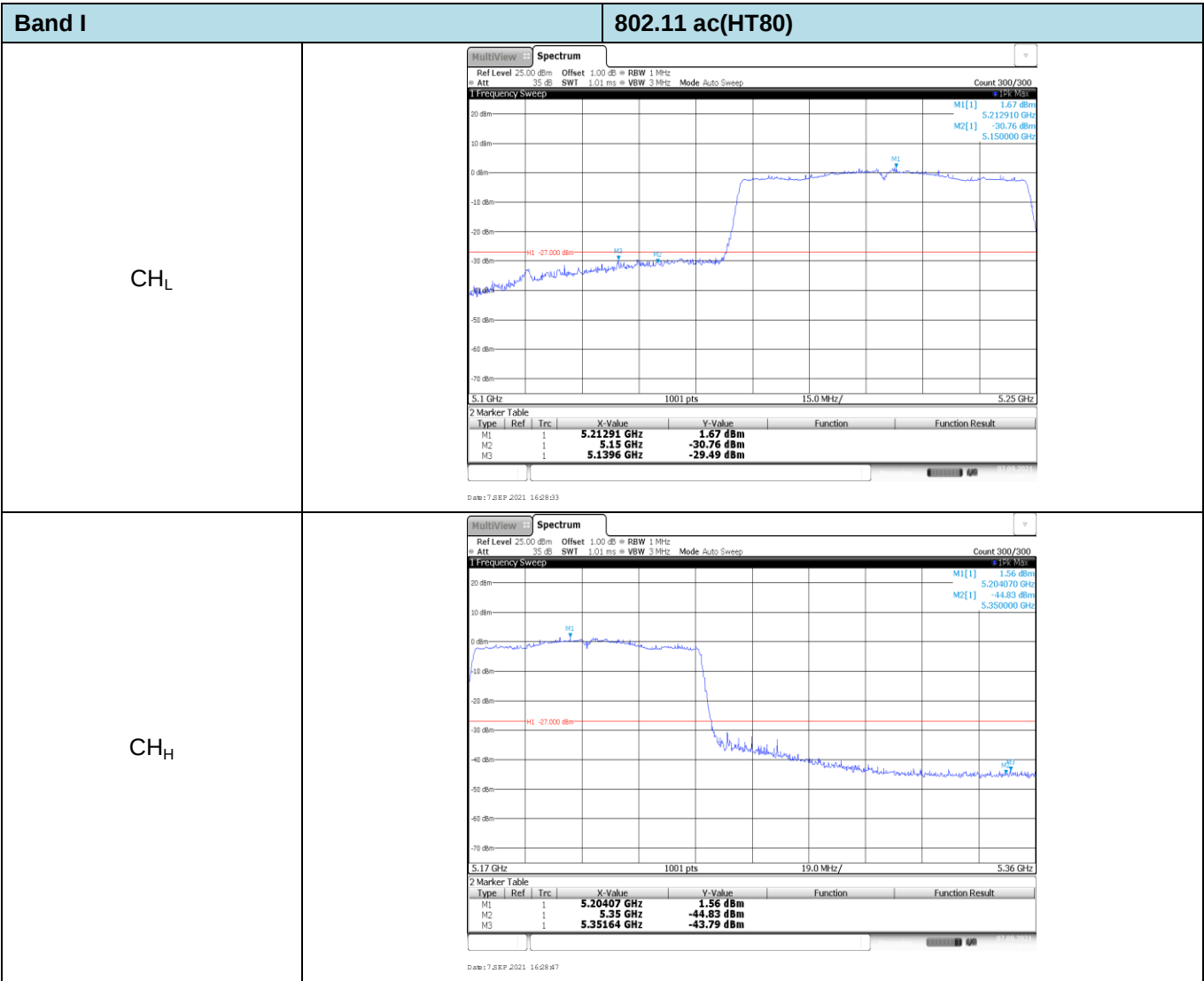


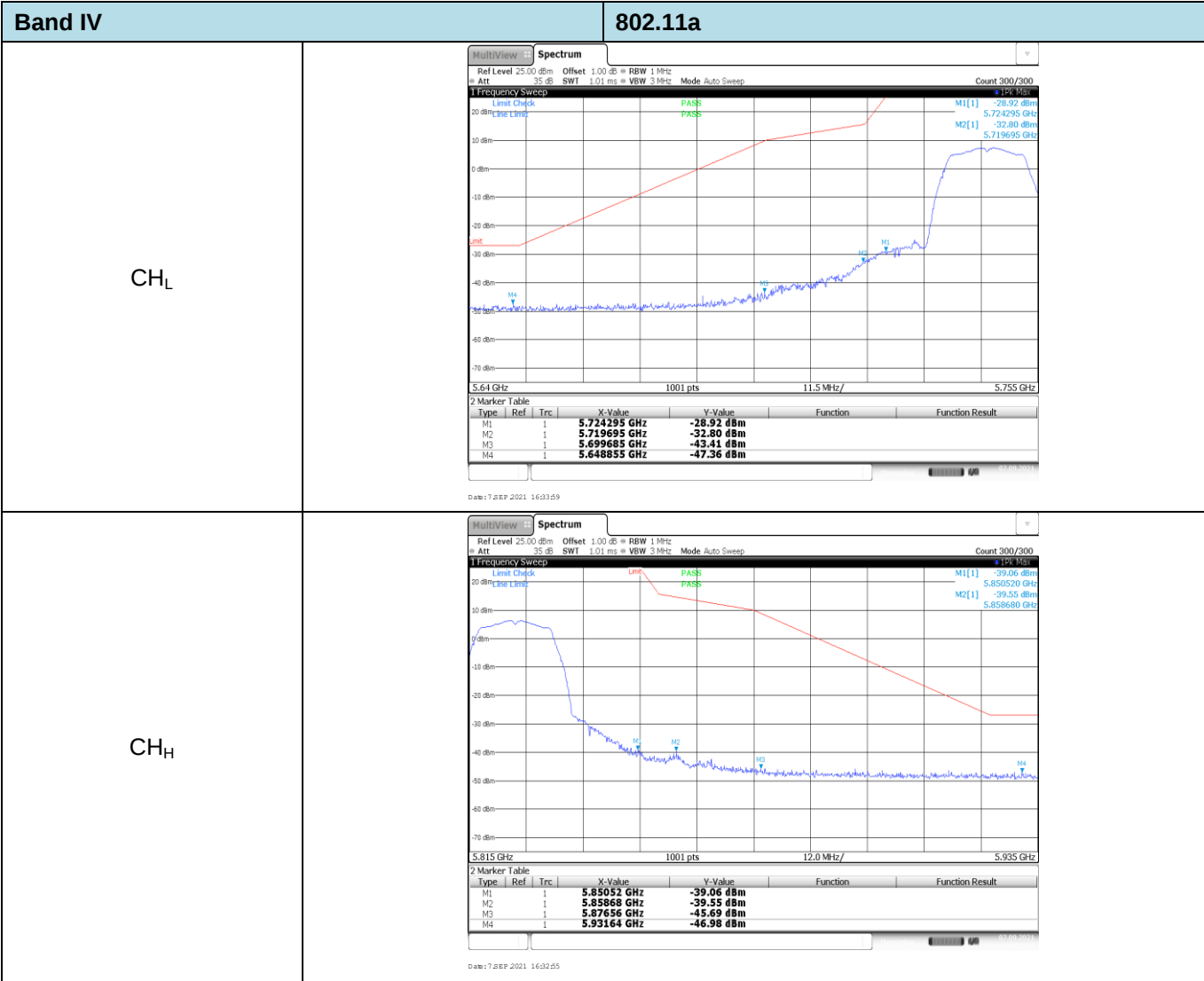


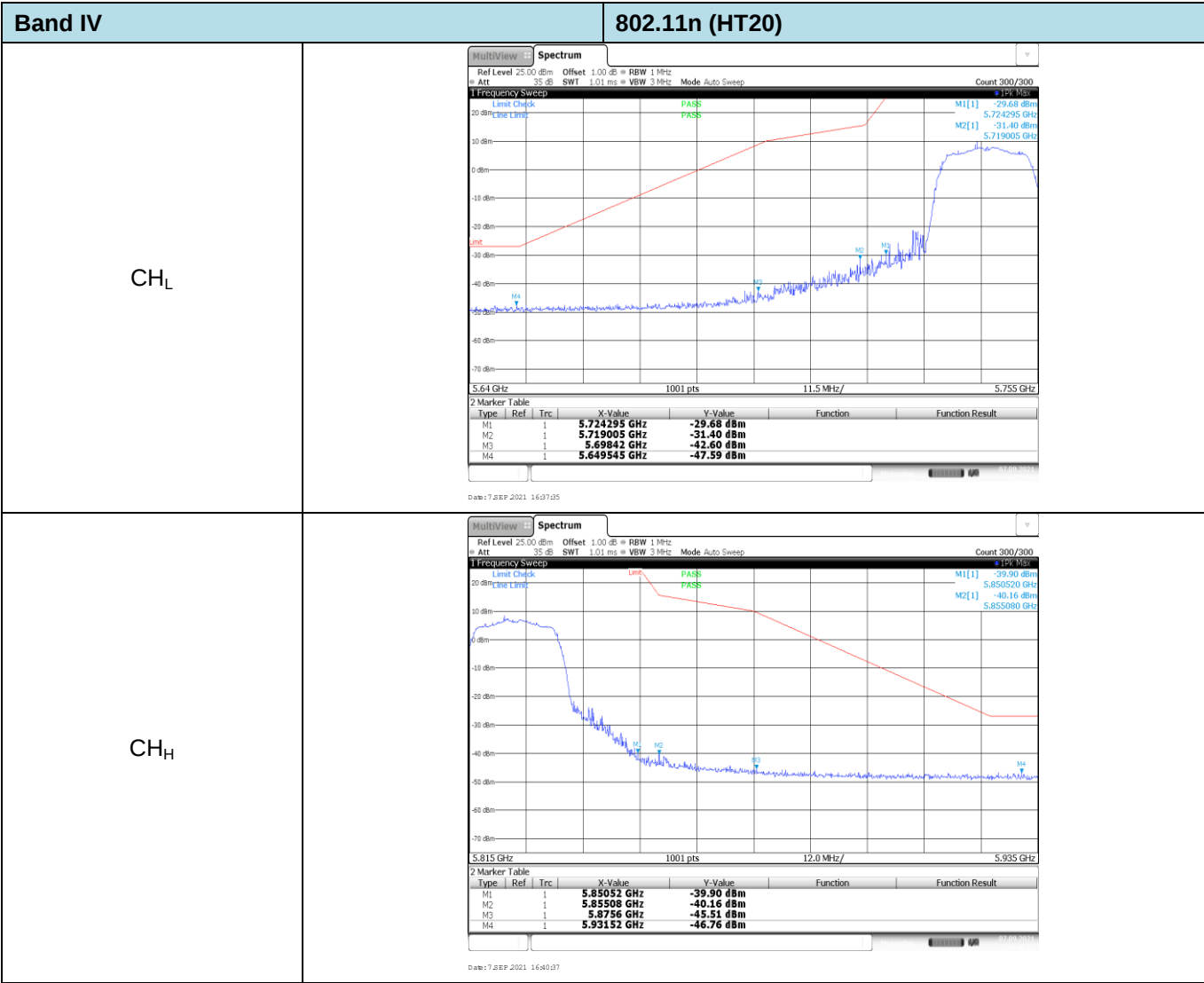


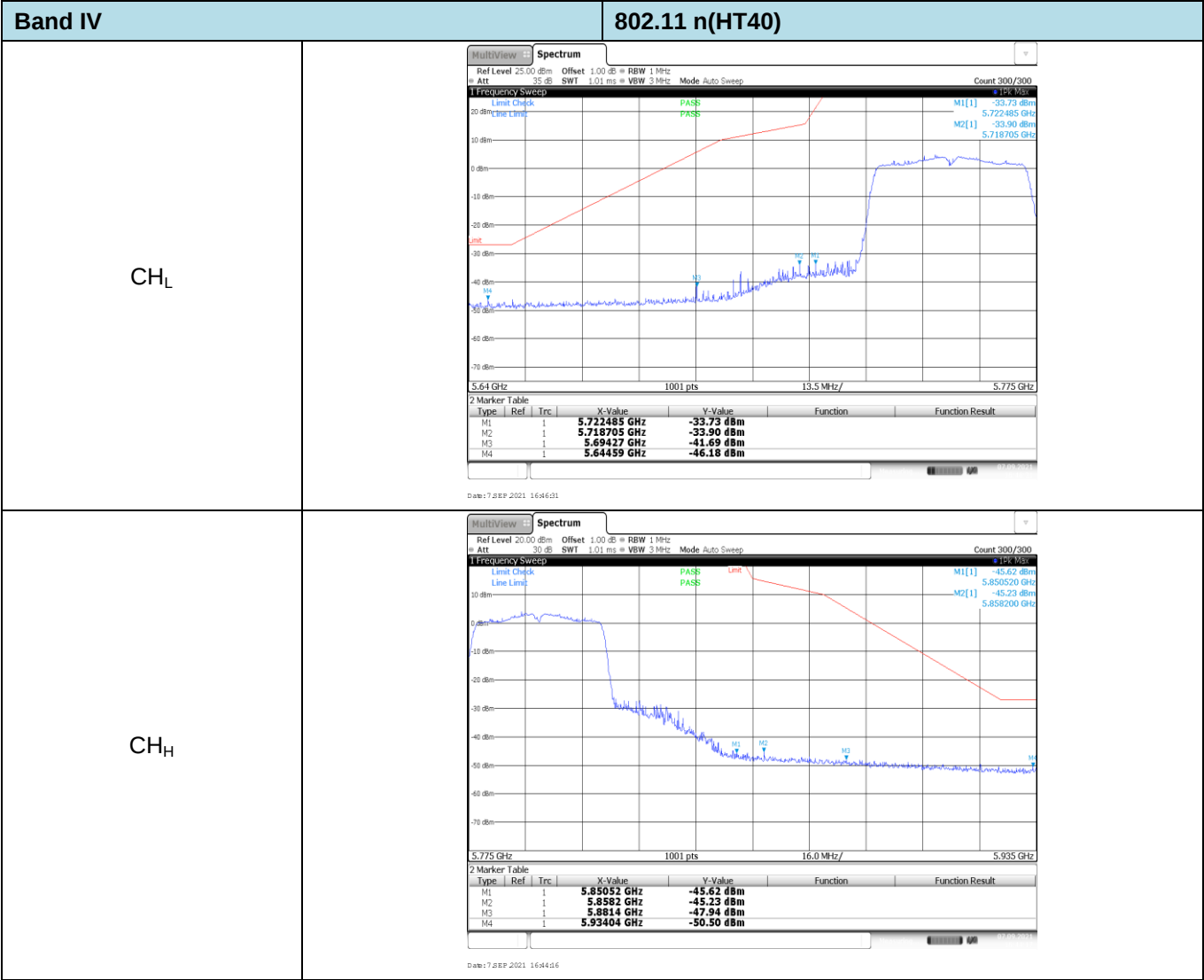


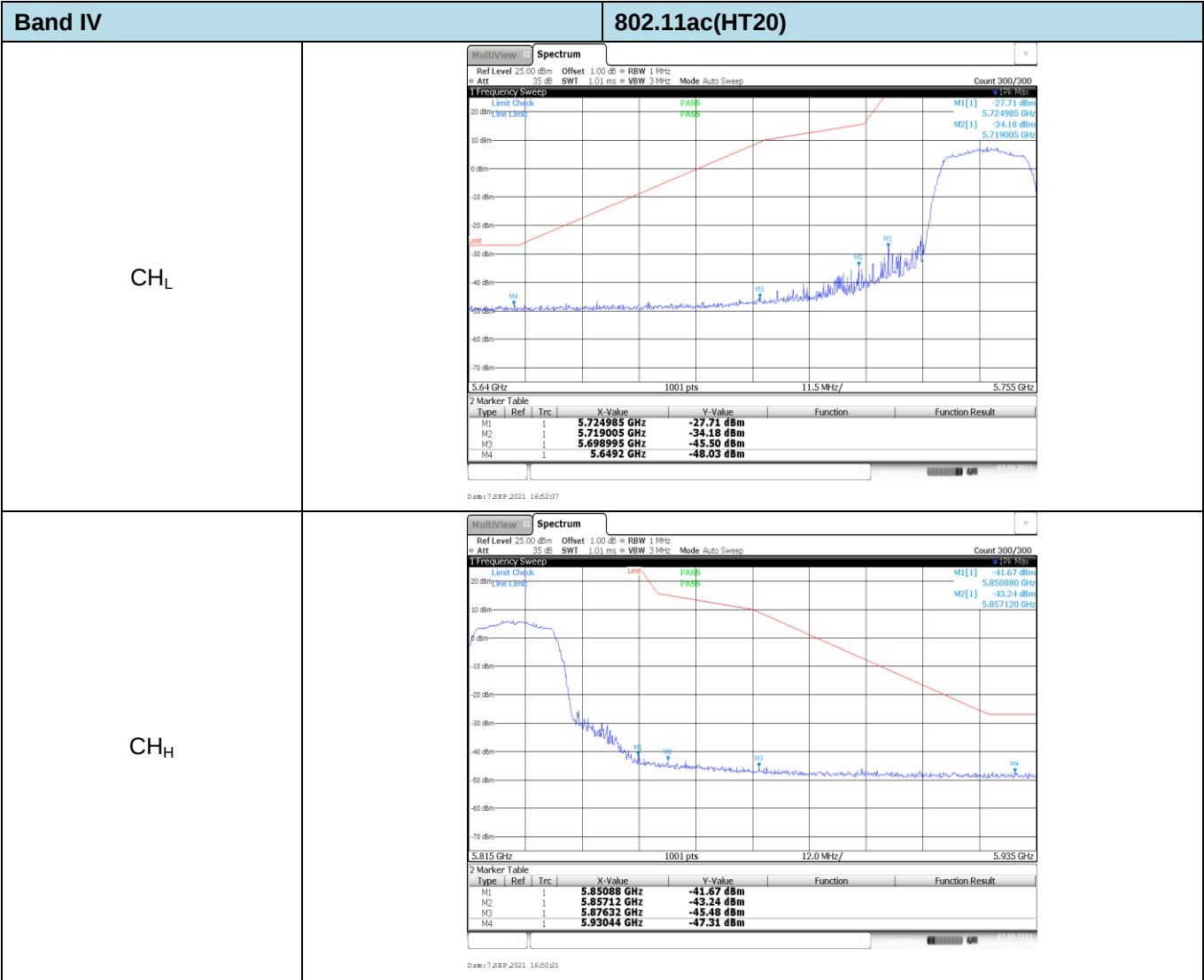


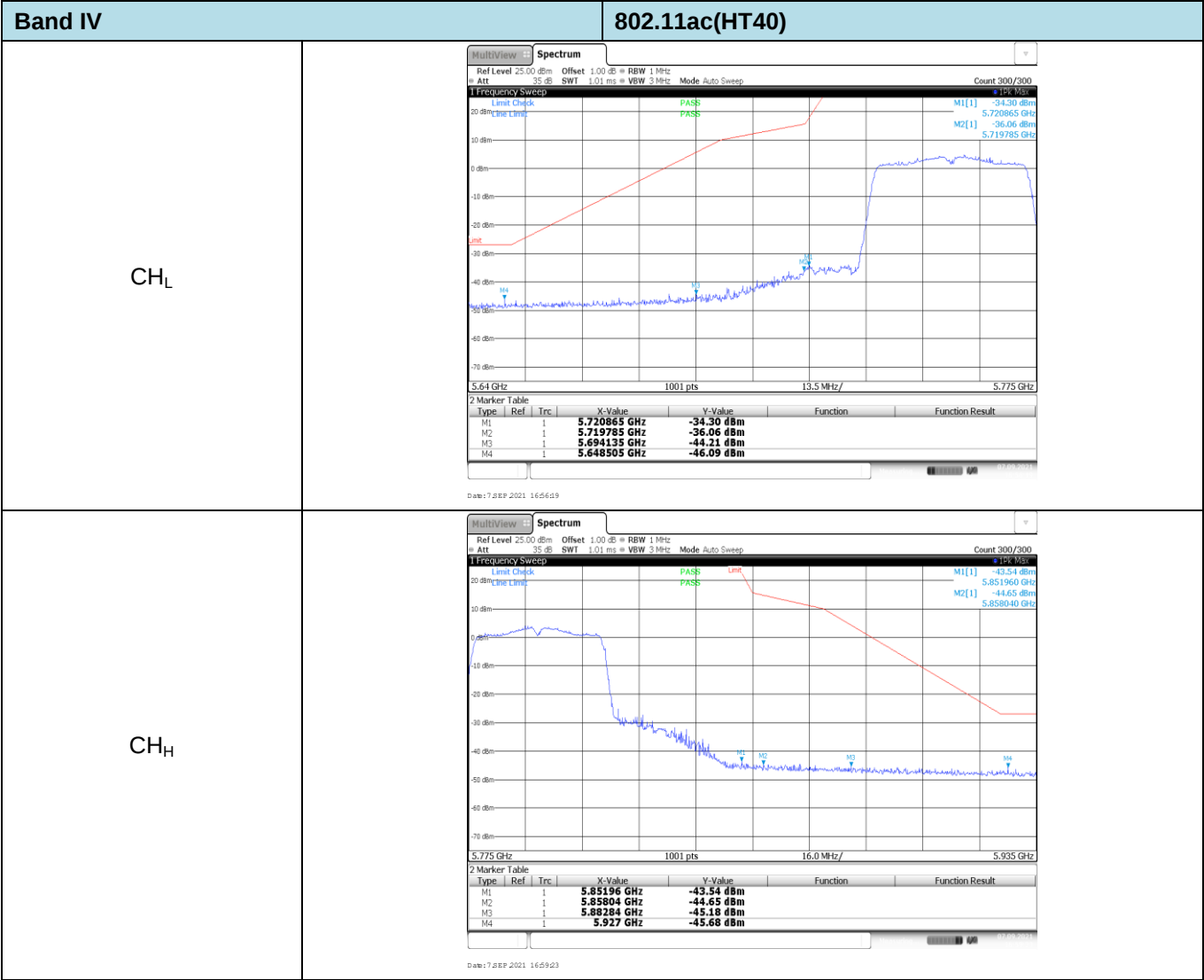


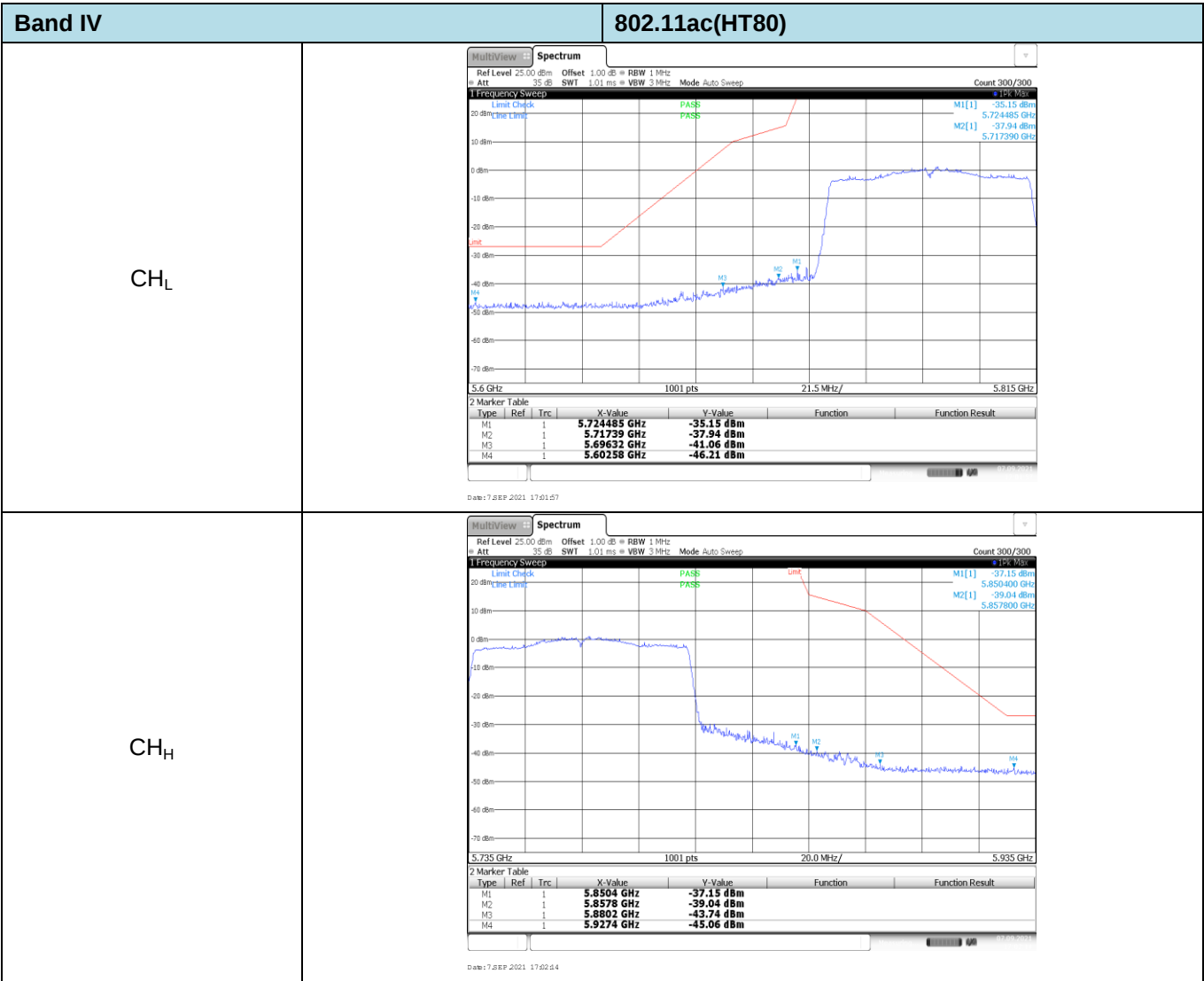












**Appendix G: Frequency stability****Voltage VS Frequency stability**

| Band: I          |                |                          | Test Frequency: 5180.00MHz |        |
|------------------|----------------|--------------------------|----------------------------|--------|
| Temperature (°C) | Voltage (V)    | Frequency Deviation (Hz) | Frequency Deviation (ppm)  | Result |
| T <sub>N</sub>   | V <sub>L</sub> | -28000.00                | -5.40541                   | PASS   |
| T <sub>N</sub>   | V <sub>N</sub> | -27000.00                | -5.21235                   | PASS   |
| T <sub>N</sub>   | V <sub>H</sub> | -27000.00                | -5.21235                   | PASS   |

| Band: IV         |                |                          | Test Frequency: 5745.00MHz |        |
|------------------|----------------|--------------------------|----------------------------|--------|
| Temperature (°C) | Voltage (V)    | Frequency Deviation (Hz) | Frequency Deviation (ppm)  | Result |
| T <sub>N</sub>   | V <sub>L</sub> | -32000.00                | -5.57006                   | PASS   |
| T <sub>N</sub>   | V <sub>N</sub> | -32000.00                | -5.57006                   | PASS   |
| T <sub>N</sub>   | V <sub>H</sub> | -32000.00                | -5.57006                   | PASS   |

**Temperature VS Frequency stability**

| Band: I        |                  |                          | Test Frequency: 5180.00MHz |        |
|----------------|------------------|--------------------------|----------------------------|--------|
| Voltage (V)    | Temperature (°C) | Frequency Deviation (Hz) | Frequency Deviation (ppm)  | Result |
| V <sub>N</sub> | -20              | -28000.00                | -5.40541                   | PASS   |
| V <sub>N</sub> | -10              | -28000.00                | -5.40541                   | PASS   |
| V <sub>N</sub> | 0                | -28000.00                | -5.40541                   | PASS   |
| V <sub>N</sub> | 10               | -28000.00                | -5.40541                   | PASS   |
| V <sub>N</sub> | 20               | -28000.00                | -5.40541                   | PASS   |
| V <sub>N</sub> | 30               | -28000.00                | -5.40541                   | PASS   |
| V <sub>N</sub> | 40               | -28000.00                | -5.40541                   | PASS   |
| V <sub>N</sub> | 50               | -28000.00                | -5.40541                   | PASS   |

| Band: IV       |                  |                          | Test Frequency: 5745.00MHz |        |
|----------------|------------------|--------------------------|----------------------------|--------|
| Voltage (V)    | Temperature (°C) | Frequency Deviation (Hz) | Frequency Deviation (ppm)  | Result |
| V <sub>N</sub> | -20              | -33000.00                | -5.74413                   | PASS   |
| V <sub>N</sub> | -10              | -33000.00                | -5.74413                   | PASS   |
| V <sub>N</sub> | 0                | -33000.00                | -5.74413                   | PASS   |
| V <sub>N</sub> | 10               | -33000.00                | -5.74413                   | PASS   |
| V <sub>N</sub> | 20               | -33000.00                | -5.74413                   | PASS   |
| V <sub>N</sub> | 30               | -33000.00                | -5.74413                   | PASS   |
| V <sub>N</sub> | 40               | -33000.00                | -5.74413                   | PASS   |
| V <sub>N</sub> | 50               | -33000.00                | -5.74413                   | PASS   |

-----End of Report-----