

# APPENDIX REPORT

|                 |                 |                     |               |
|-----------------|-----------------|---------------------|---------------|
| Project No.     | SHT2111020903EW | Radio Specification | WIFI 5G       |
| Test sample No. | YPHT21061170008 | Model No.           | BX6100        |
| Start test date | 2021-11-19      | Finish date         | 2021-11-19    |
| Temperature     | 24.9℃           | Humidity            | 43%           |
| Test Engineer   | Xiaoqin Li      | Auditor             | Xiaodong Zhao |

| 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               | Frequency stability            | PASS   |

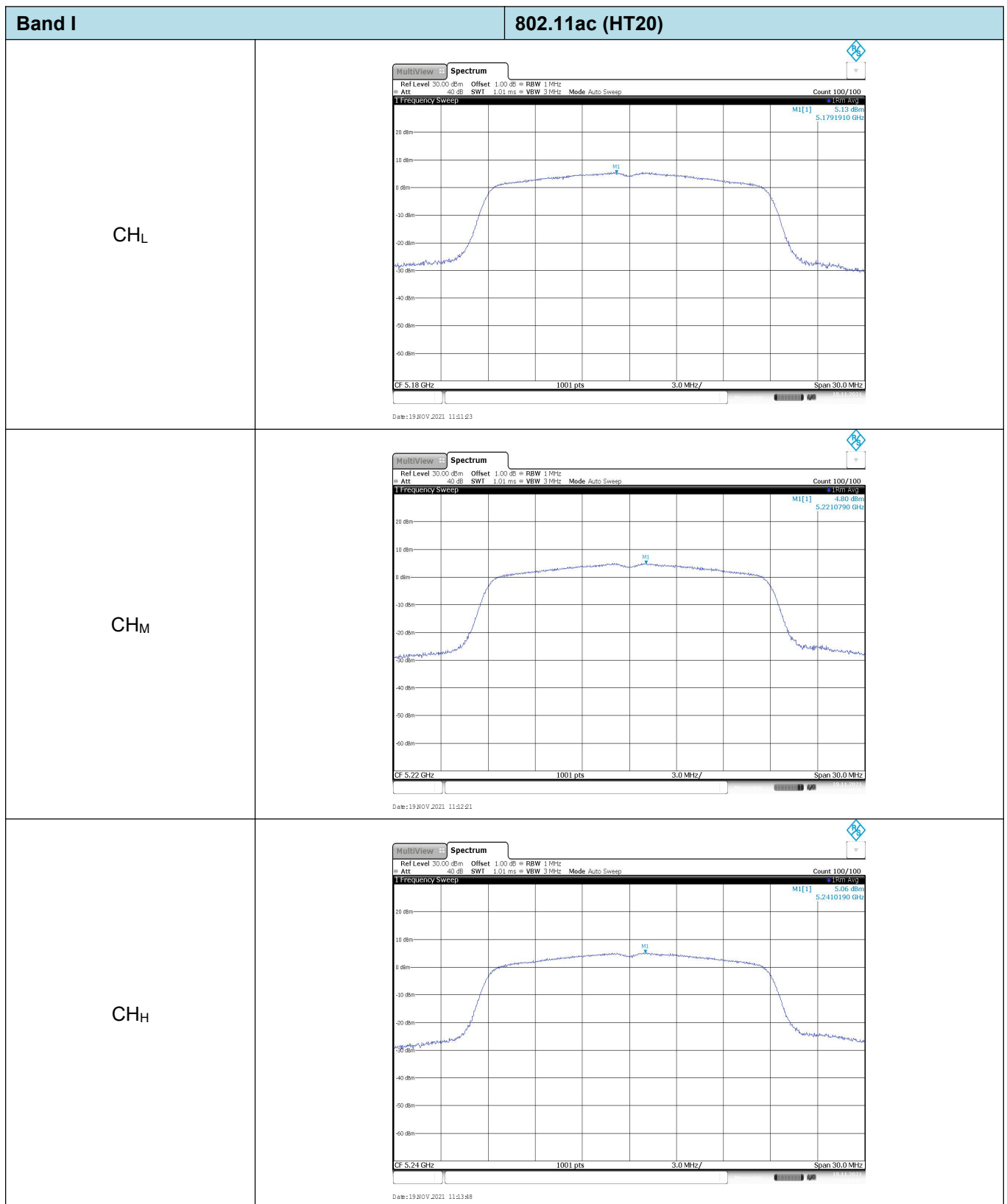
**Appendix A: Maximum Conducted Output Power**

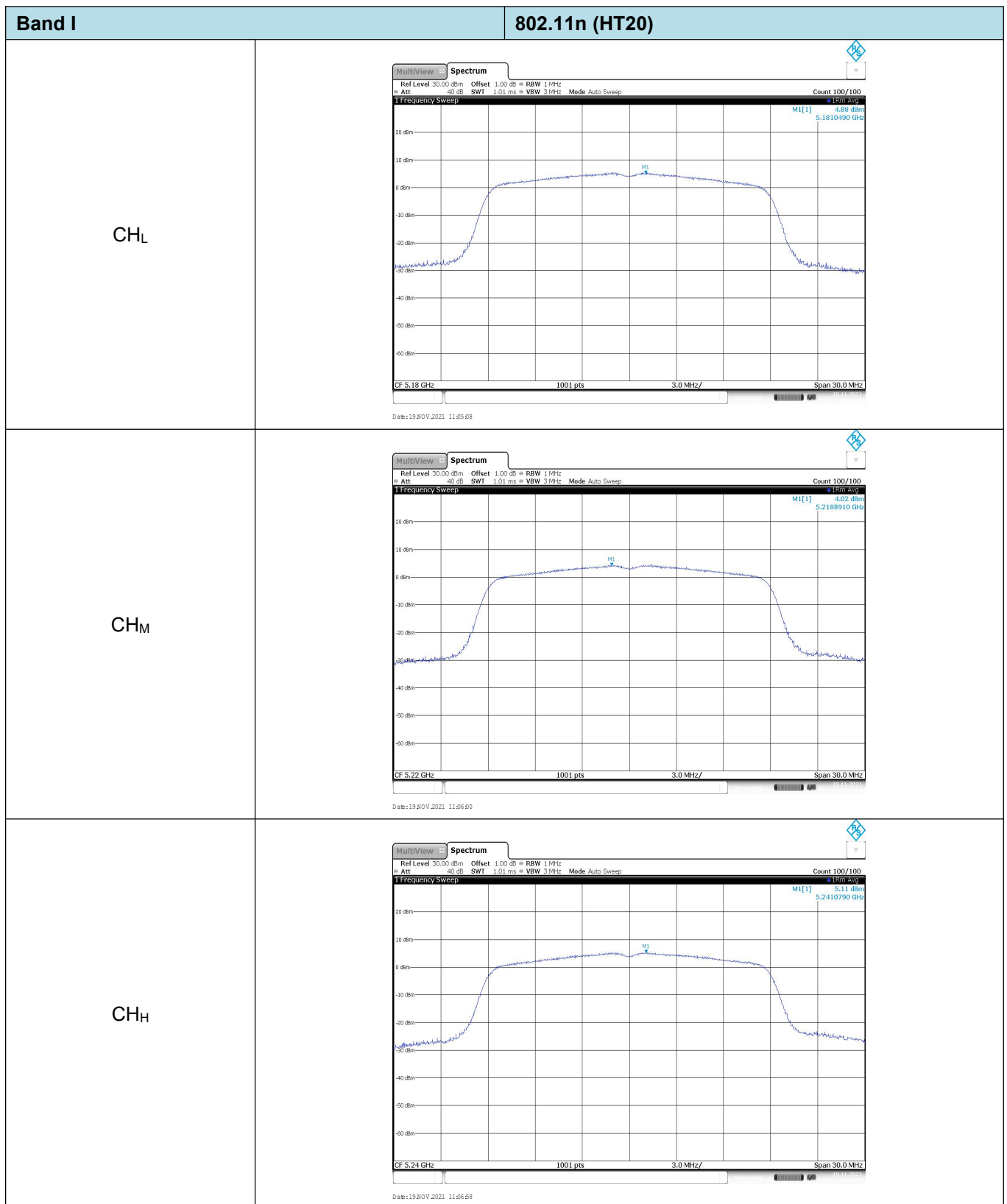
| Band | Bandwidth (MHz) | Type     | Channel         | Reading (dBm) | Duty cycle (%) | Duty cycle factor (dB) | Conducted Output Power (dBm) | Limit (dBm) | Result |
|------|-----------------|----------|-----------------|---------------|----------------|------------------------|------------------------------|-------------|--------|
| I    | 20              | 802.11ac | CH <sub>L</sub> | 15.72         | 96.57          | 0.15                   | 15.87                        | 24.00       | Pass   |
|      |                 |          | CH <sub>M</sub> | 15.21         | 96.48          | 0.16                   | 15.37                        |             |        |
|      |                 |          | CH <sub>H</sub> | 15.46         | 96.48          | 0.16                   | 15.62                        |             |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 15.59         | 96.55          | 0.15                   | 15.74                        | 24.00       | Pass   |
|      |                 |          | CH <sub>M</sub> | 14.65         | 96.46          | 0.16                   | 14.81                        |             |        |
|      |                 |          | CH <sub>H</sub> | 15.54         | 96.55          | 0.15                   | 15.69                        |             |        |
|      |                 | 802.11a  | CH <sub>L</sub> | 16.91         | 96.77          | 0.14                   | 17.05                        | 24.00       | Pass   |
|      |                 |          | CH <sub>M</sub> | 16.21         | 96.77          | 0.14                   | 16.35                        |             |        |
|      |                 |          | CH <sub>H</sub> | 16.63         | 96.77          | 0.14                   | 16.77                        |             |        |
|      | 40              | 802.11ac | CH <sub>L</sub> | 15.46         | 93.48          | 0.29                   | 15.75                        | 24.00       | Pass   |
|      |                 |          | CH <sub>H</sub> | 15.30         | 93.48          | 0.29                   | 15.59                        |             |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 15.57         | 93.45          | 0.29                   | 15.86                        | 24.00       | Pass   |
|      |                 |          | CH <sub>H</sub> | 15.36         | 93.53          | 0.29                   | 15.65                        |             |        |
|      | 80              | 802.11ac | CH <sub>M</sub> | 14.36         | 87.69          | 0.57                   | 14.93                        | 24.00       | Pass   |
| IV   | 20              | 802.11ac | CH <sub>L</sub> | 9.38          | 96.58          | 0.15                   | 9.53                         | 30.00       | Pass   |
|      |                 |          | CH <sub>M</sub> | 9.72          | 96.58          | 0.15                   | 9.87                         |             |        |
|      |                 |          | CH <sub>H</sub> | 10.09         | 96.58          | 0.15                   | 10.24                        |             |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 9.42          | 96.55          | 0.15                   | 9.57                         | 30.00       | Pass   |
|      |                 |          | CH <sub>M</sub> | 9.78          | 96.46          | 0.16                   | 9.94                         |             |        |
|      |                 |          | CH <sub>H</sub> | 10.15         | 96.64          | 0.15                   | 10.30                        |             |        |
|      |                 | 802.11a  | CH <sub>L</sub> | 9.67          | 96.77          | 0.14                   | 9.81                         | 30.00       | Pass   |
|      |                 |          | CH <sub>M</sub> | 10.00         | 96.77          | 0.14                   | 10.14                        |             |        |
|      |                 |          | CH <sub>H</sub> | 10.38         | 96.77          | 0.14                   | 10.52                        |             |        |
|      | 40              | 802.11ac | CH <sub>L</sub> | 9.19          | 93.48          | 0.29                   | 9.48                         | 30.00       | Pass   |
|      |                 |          | CH <sub>H</sub> | 9.69          | 93.48          | 0.29                   | 9.98                         |             |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 9.27          | 93.53          | 0.29                   | 9.56                         | 30.00       | Pass   |
|      |                 |          | CH <sub>H</sub> | 9.64          | 93.53          | 0.29                   | 9.93                         |             |        |
|      | 80              | 802.11ac | CH <sub>M</sub> | 9.38          | 87.69          | 0.57                   | 9.95                         | 30.00       | Pass   |

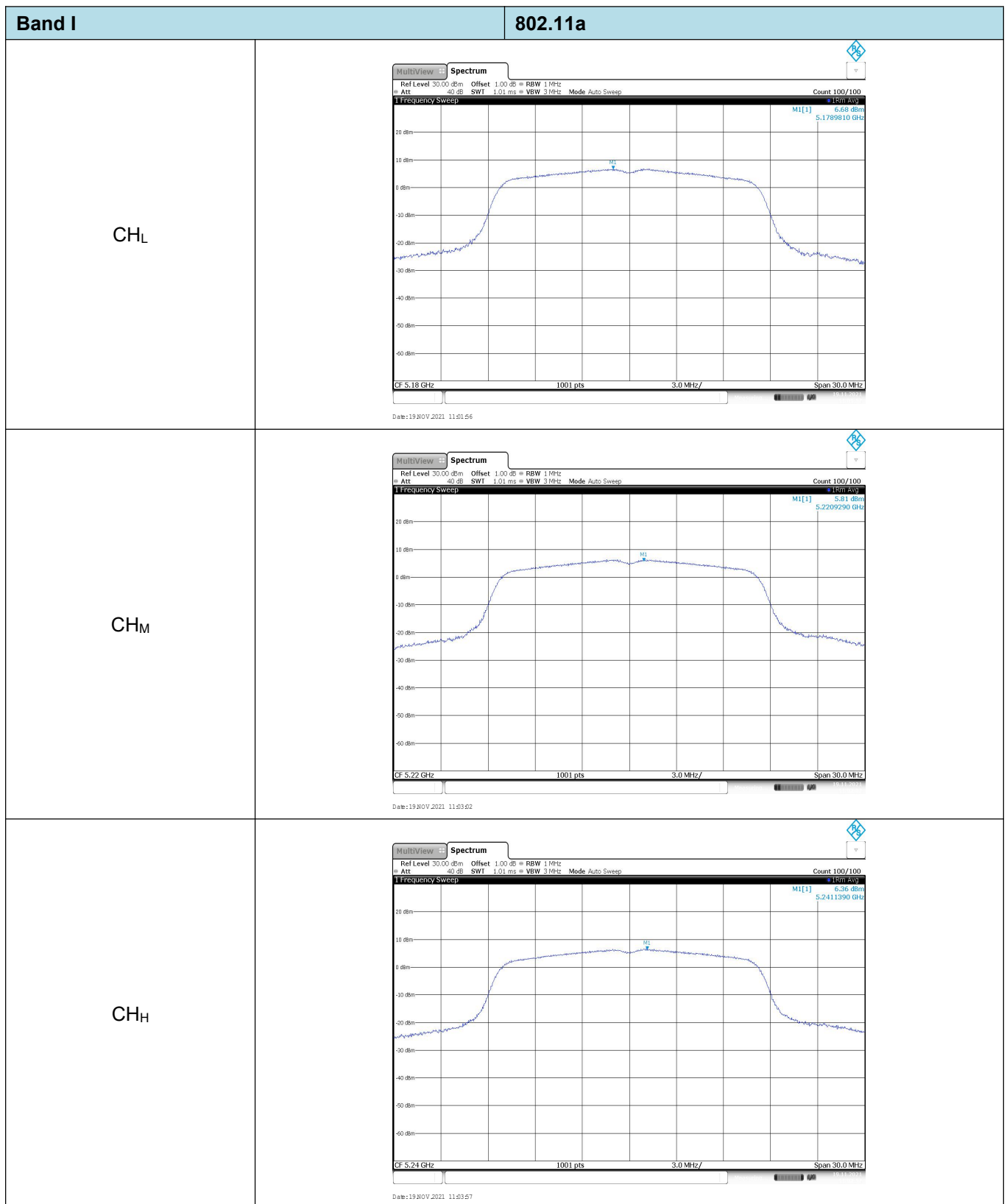
NOTE: duty cycle factor =10LOG(1/ duty cycle )

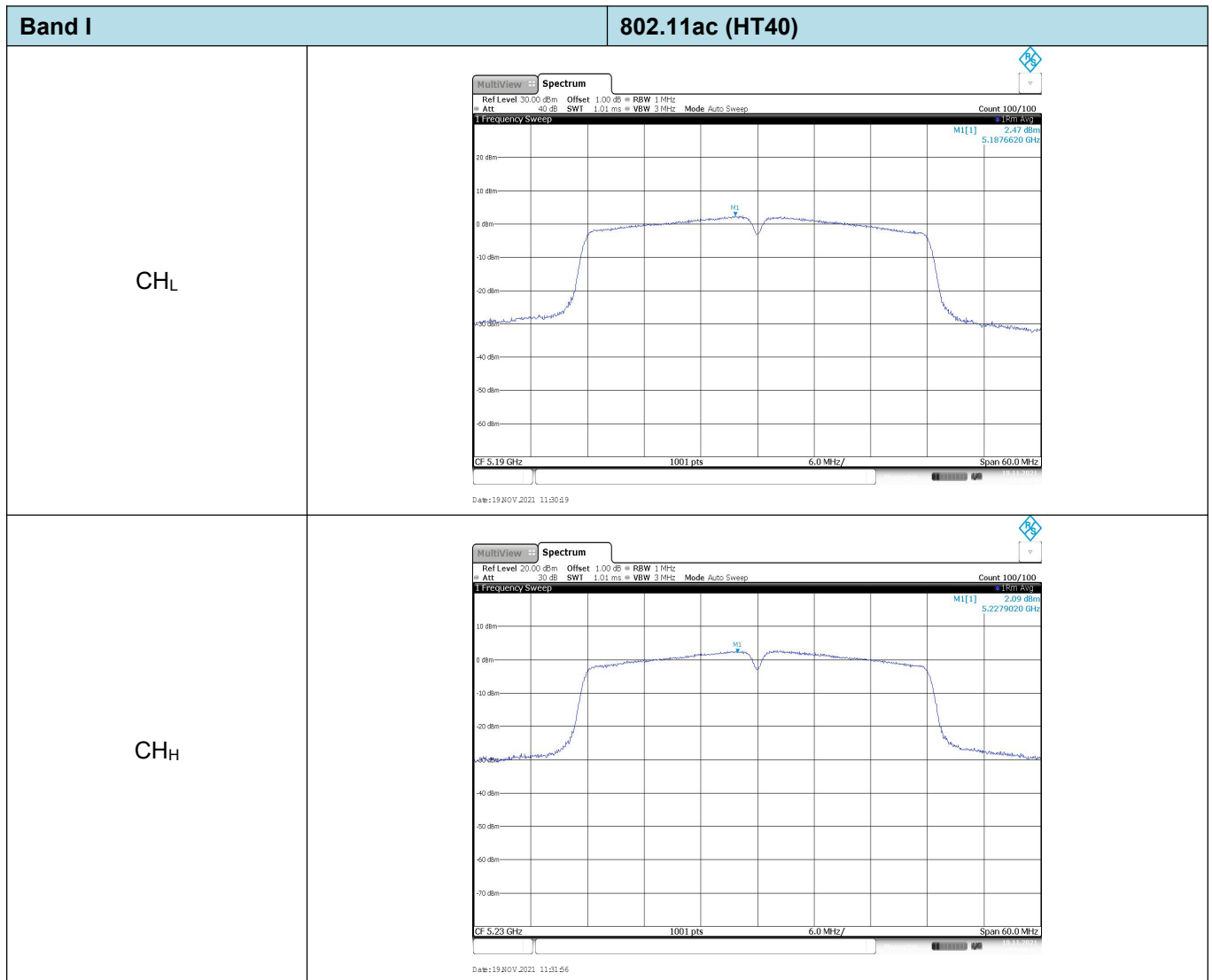
**Appendix B: Maximum Power Spectral Density**

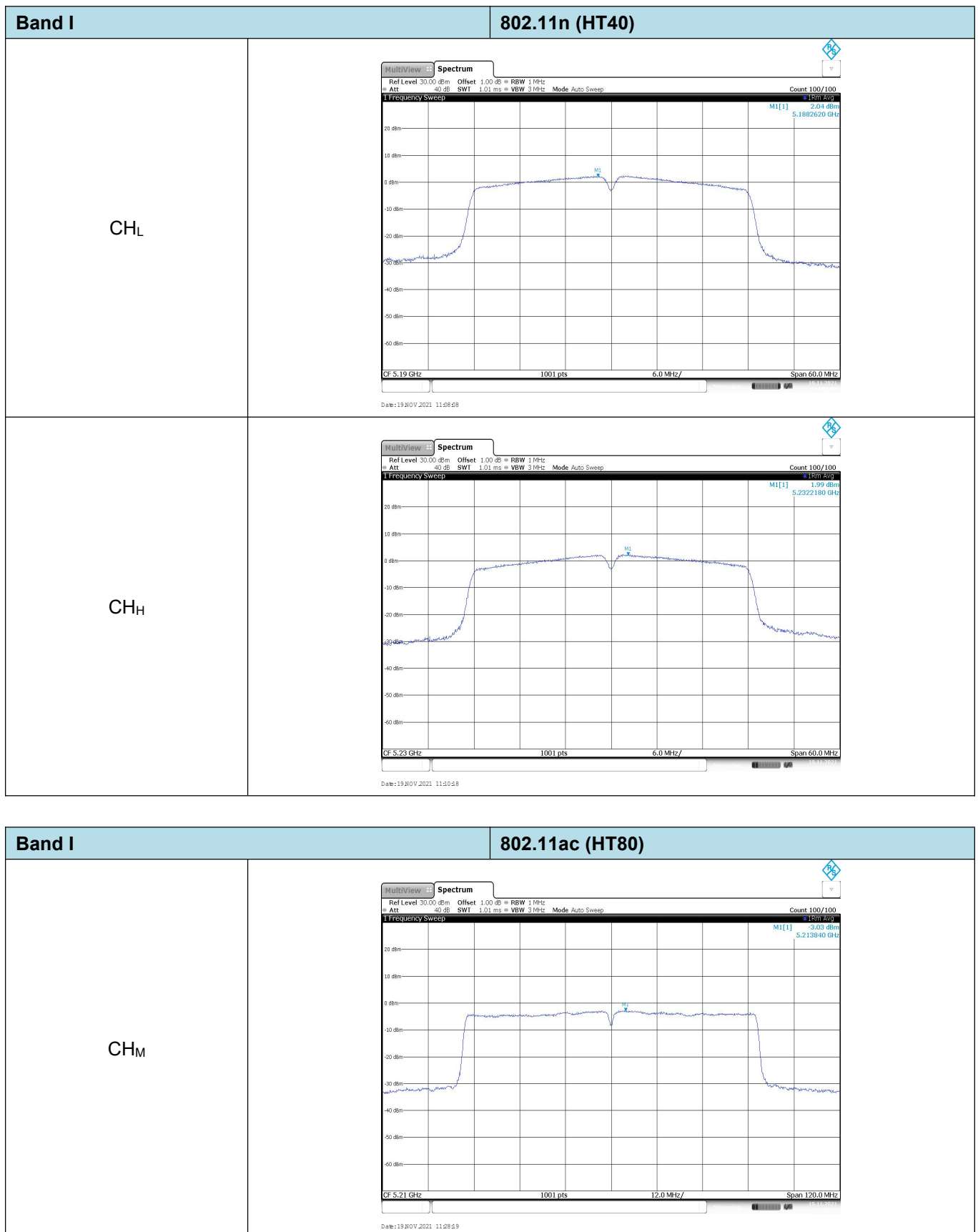
| Band | Bandwidth (MHz) | Type     | Channel         | Reading (dBm) | Duty cycle (%) | Duty cycle factor (dB) | Power Spectral Density (dBm/MHz)    | Limit (dBm/MHz)    | Result |
|------|-----------------|----------|-----------------|---------------|----------------|------------------------|-------------------------------------|--------------------|--------|
| I    | 20              | 802.11ac | CH <sub>L</sub> | 5.13          | 96.57          | 0.15                   | 5.28                                | 11.00              | Pass   |
|      |                 |          | CH <sub>M</sub> | 4.80          | 96.48          | 0.16                   | 4.96                                |                    |        |
|      |                 |          | CH <sub>H</sub> | 5.06          | 96.48          | 0.16                   | 5.22                                |                    |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 4.88          | 96.55          | 0.15                   | 5.03                                | 11.00              | Pass   |
|      |                 |          | CH <sub>M</sub> | 4.02          | 96.46          | 0.16                   | 4.18                                |                    |        |
|      |                 |          | CH <sub>H</sub> | 5.11          | 96.55          | 0.15                   | 5.26                                |                    |        |
|      |                 | 802.11a  | CH <sub>L</sub> | 6.68          | 96.77          | 0.14                   | 6.82                                | 11.00              | Pass   |
|      |                 |          | CH <sub>M</sub> | 5.81          | 96.77          | 0.14                   | 5.95                                |                    |        |
|      |                 |          | CH <sub>H</sub> | 6.36          | 96.77          | 0.14                   | 6.50                                |                    |        |
|      | 40              | 802.11ac | CH <sub>L</sub> | 2.47          | 93.48          | 0.29                   | 2.76                                | 11.00              | Pass   |
|      |                 |          | CH <sub>H</sub> | 2.09          | 93.48          | 0.29                   | 2.38                                |                    |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 2.04          | 93.45          | 0.29                   | 2.33                                | 11.00              | Pass   |
|      |                 |          | CH <sub>H</sub> | 1.99          | 93.53          | 0.29                   | 2.28                                |                    |        |
|      | 80              | 802.11ac | CH <sub>M</sub> | -3.03         | 87.69          | 0.57                   | -2.46                               | 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> | -4.13         | 96.58          | 0.15                   | -3.98                               | 30.00              | Pass   |
|      |                 |          | CH <sub>M</sub> | -3.56         | 96.58          | 0.15                   | -3.41                               |                    |        |
|      |                 |          | CH <sub>H</sub> | -3.47         | 96.58          | 0.15                   | -3.32                               |                    |        |
|      |                 | 802.11n  | CH <sub>L</sub> | -3.97         | 96.55          | 0.15                   | -3.82                               | 30.00              | Pass   |
|      |                 |          | CH <sub>M</sub> | -3.53         | 96.46          | 0.16                   | -3.37                               |                    |        |
|      |                 |          | CH <sub>H</sub> | -3.07         | 96.64          | 0.15                   | -2.92                               |                    |        |
|      |                 | 802.11a  | CH <sub>L</sub> | -3.63         | 96.77          | 0.14                   | -3.49                               | 30.00              | Pass   |
|      |                 |          | CH <sub>M</sub> | -3.56         | 96.77          | 0.14                   | -3.42                               |                    |        |
|      |                 |          | CH <sub>H</sub> | -3.20         | 96.77          | 0.14                   | -3.16                               |                    |        |
|      | 40              | 802.11ac | CH <sub>L</sub> | -7.57         | 93.48          | 0.29                   | -7.28                               | 30.00              | Pass   |
|      |                 |          | CH <sub>H</sub> | -7.25         | 93.48          | 0.29                   | -6.96                               |                    |        |
|      |                 | 802.11n  | CH <sub>L</sub> | -6.74         | 93.53          | 0.29                   | -6.45                               | 30.00              | Pass   |
|      |                 |          | CH <sub>H</sub> | -6.60         | 93.53          | 0.29                   | -6.31                               |                    |        |
|      | 80              | 802.11ac | CH <sub>M</sub> | -10.71        | 87.69          | 0.57                   | -10.14                              | 30.00              | Pass   |

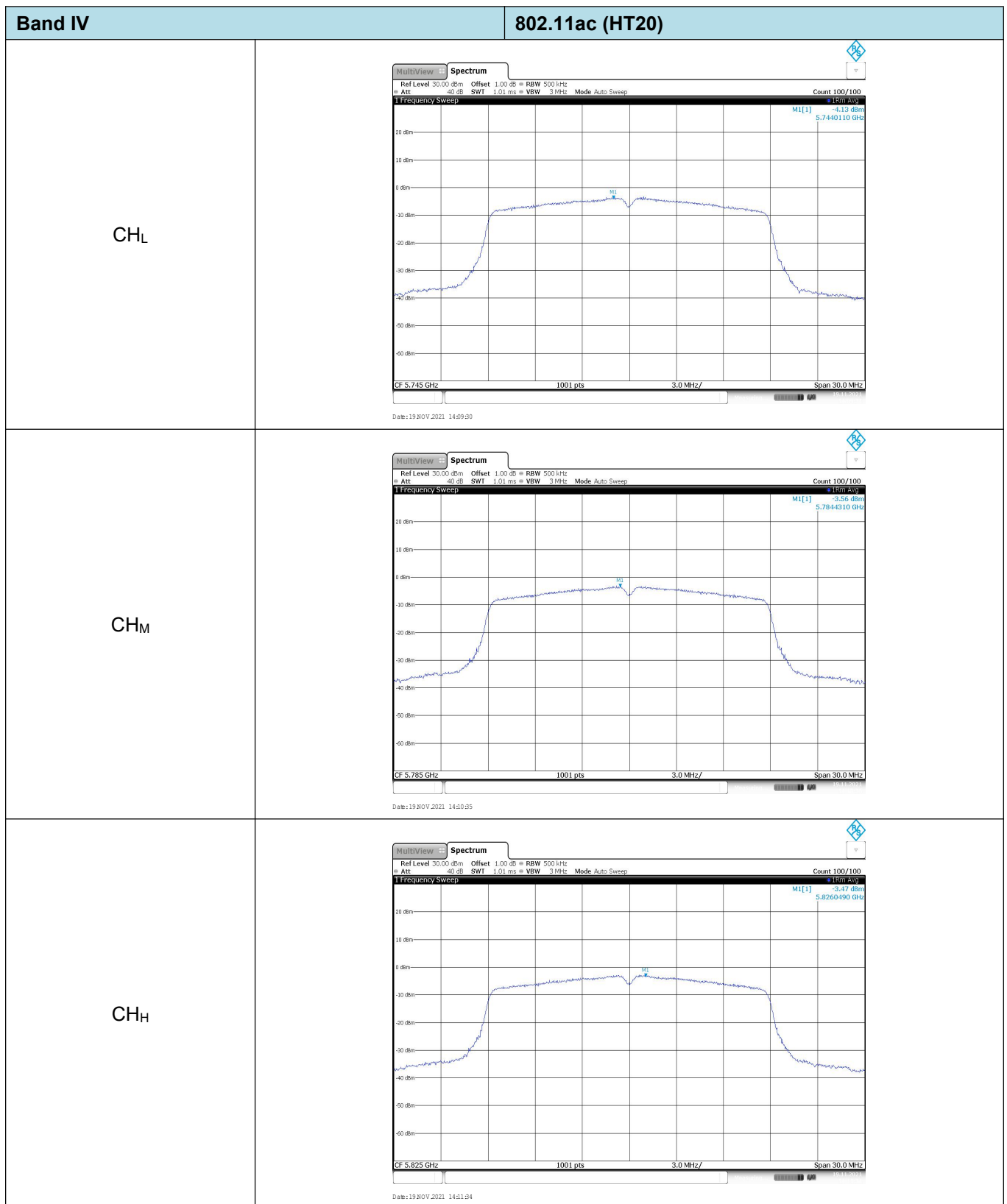


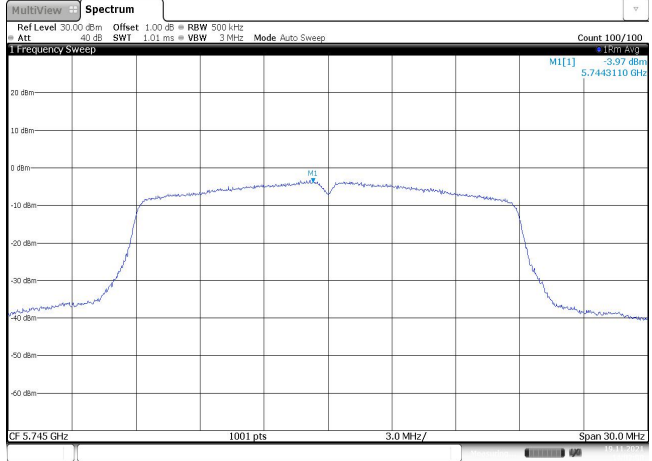


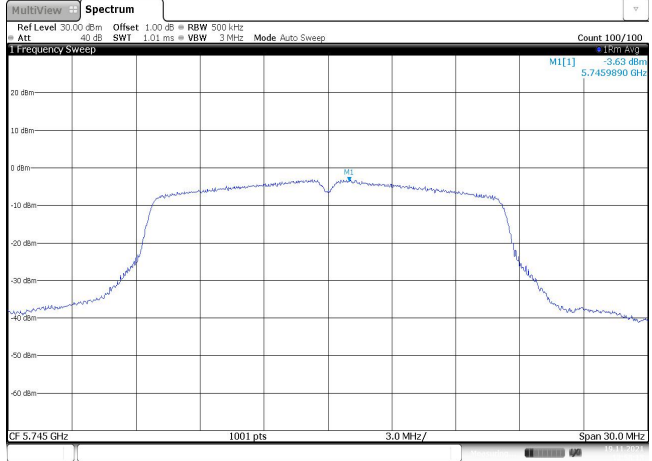
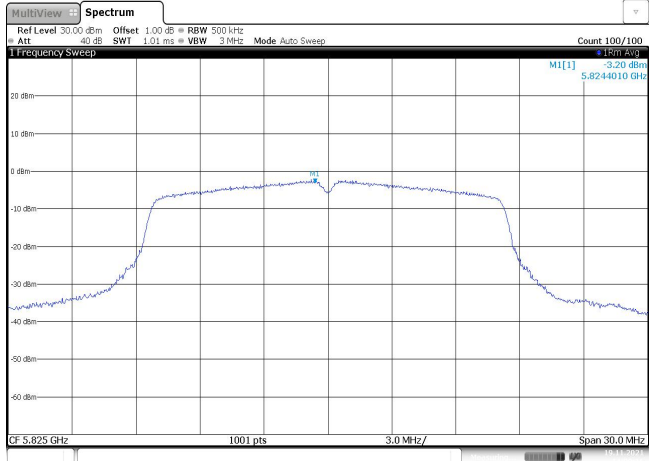


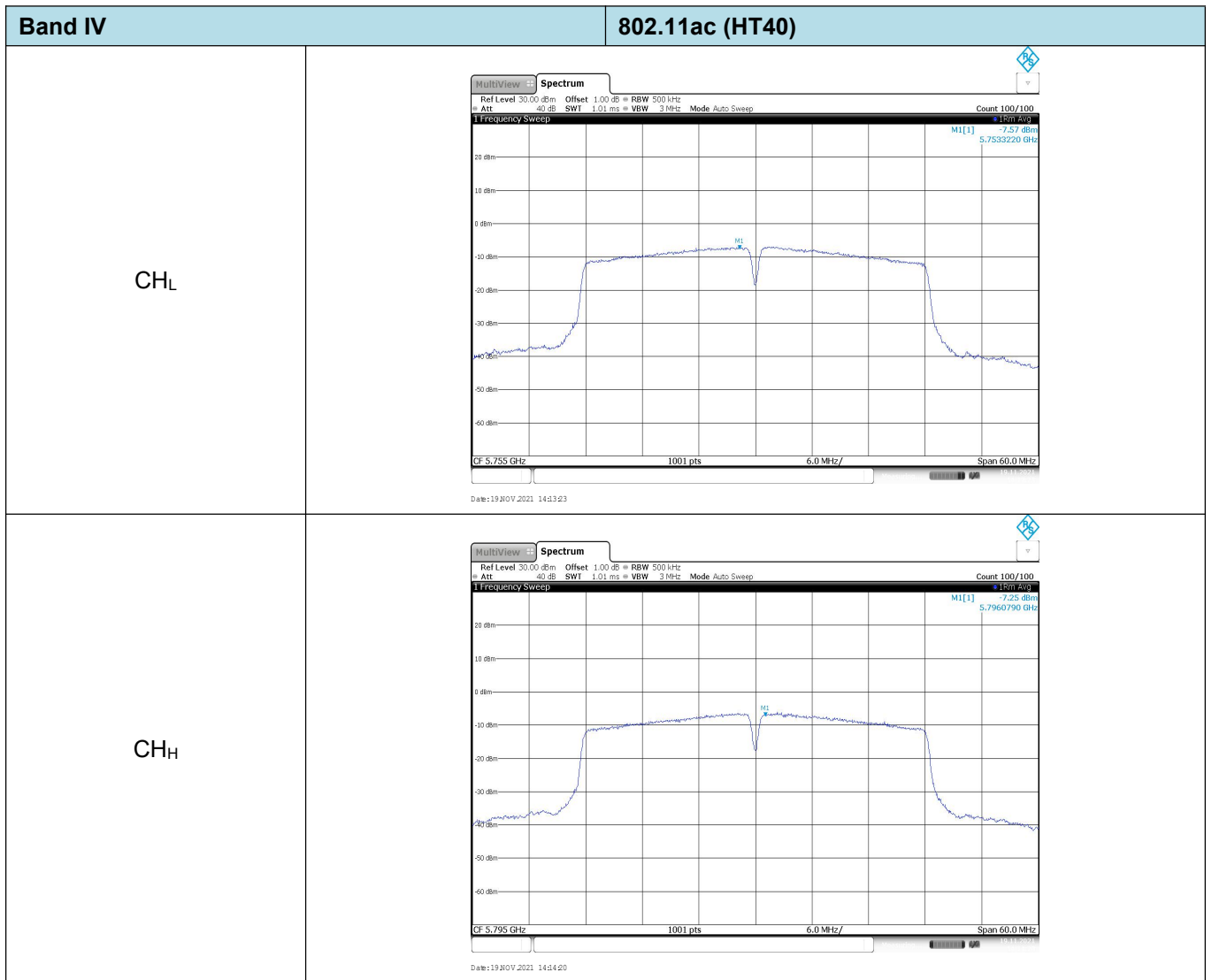


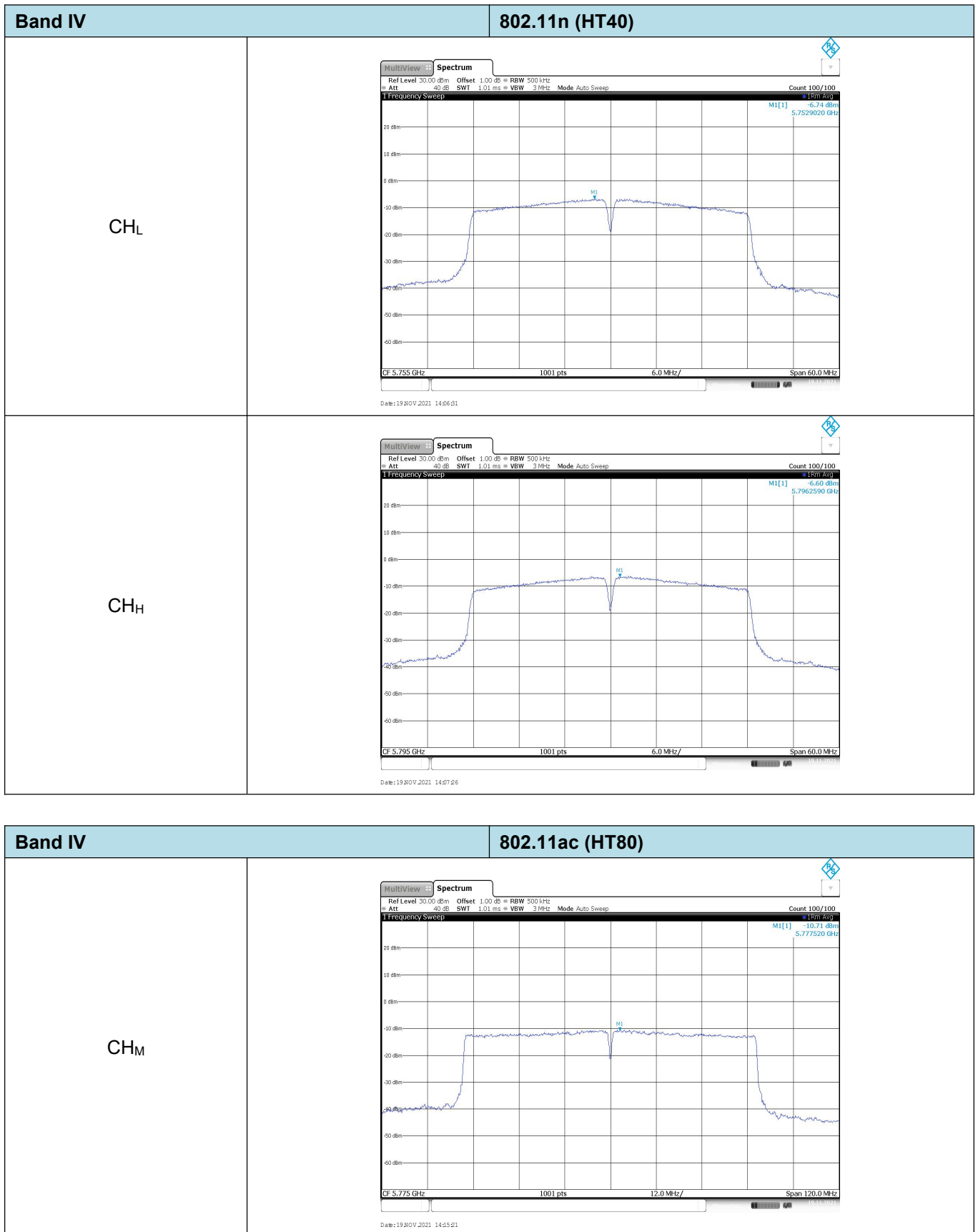




| Band IV         | 802.11n (HT20)                                                                                                                                                                                                                                                                                                                                     |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CH <sub>L</sub> |  <p>Ref Level 30.00 dBm Offset 1.00 dB RBW 500 kHz<br/>Att 40 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep<br/>Count 100/100<br/>15m Avg<br/>M1[1] -3.97 dBm<br/>5.7443110 GHz<br/>CF 5.745 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz<br/>Date: 19 NOV 2021 14:52:20</p>   |
| CH <sub>M</sub> |  <p>Ref Level 30.00 dBm Offset 1.00 dB RBW 500 kHz<br/>Att 40 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep<br/>Count 100/100<br/>15m Avg<br/>M1[1] -3.53 dBm<br/>5.7857190 GHz<br/>CF 5.785 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz<br/>Date: 19 NOV 2021 14:53:28</p>  |
| CH <sub>H</sub> |  <p>Ref Level 30.00 dBm Offset 1.00 dB RBW 500 kHz<br/>Att 40 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep<br/>Count 100/100<br/>15m Avg<br/>M1[1] -3.07 dBm<br/>5.8242810 GHz<br/>CF 5.825 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz<br/>Date: 19 NOV 2021 14:54:27</p> |

| Band IV         | 802.11a                                                                                                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CH <sub>L</sub> |  <p>Ref Level 30.00 dBm Offset 1.00 dB RBW 500 kHz<br/>Att 40 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep<br/>Count 100/100<br/>15m Avg<br/>M1[1] -3.63 dBm<br/>5.7456690 GHz<br/>CF 5.745 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz<br/>Date: 19 NOV 2021 13:58:13</p>   |
| CH <sub>M</sub> |  <p>Ref Level 30.00 dBm Offset 1.00 dB RBW 500 kHz<br/>Att 40 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep<br/>Count 100/100<br/>15m Avg<br/>M1[1] -3.56 dBm<br/>5.7854690 GHz<br/>CF 5.785 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz<br/>Date: 19 NOV 2021 13:59:14</p>  |
| CH <sub>H</sub> |  <p>Ref Level 30.00 dBm Offset 1.00 dB RBW 500 kHz<br/>Att 40 dB SWI 1.01 ms VBW 3 MHz Mode Auto Sweep<br/>Count 100/100<br/>15m Avg<br/>M1[1] -3.20 dBm<br/>5.8244010 GHz<br/>CF 5.825 GHz 1001 pts 3.0 MHz/ Span 30.0 MHz<br/>Date: 19 NOV 2021 14:00:16</p> |



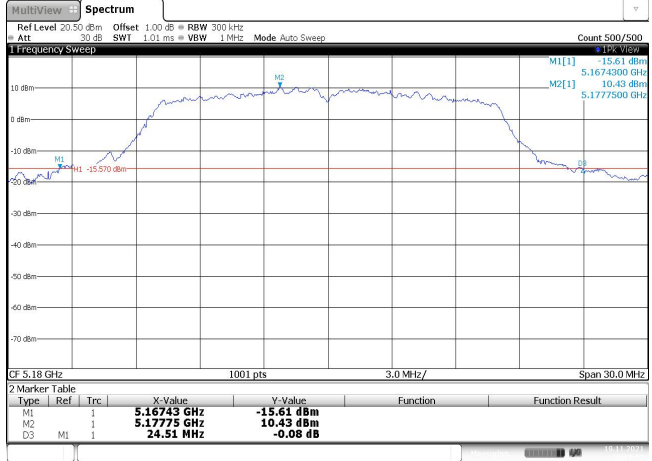
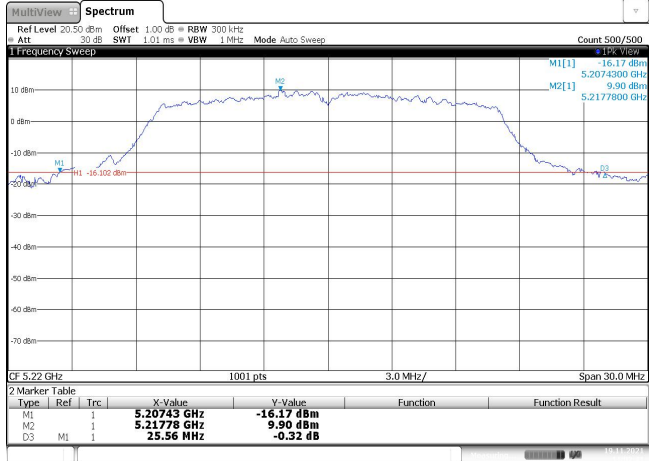
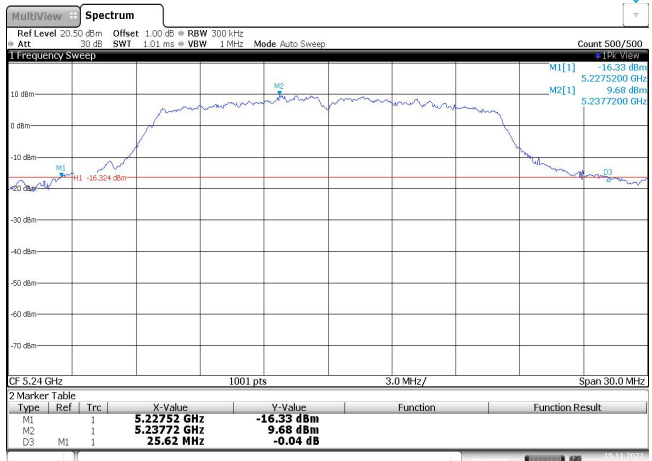


**Appendix C: 26dB bandwidth**

| Band | Bandwidth (MHz) | Type     | Channel         | 26dB bandwidth (MHz) | Result |
|------|-----------------|----------|-----------------|----------------------|--------|
| I    | 20              | 802.11ac | CH <sub>L</sub> | 21.75                | Pass   |
|      |                 |          | CH <sub>M</sub> | 22.89                |        |
|      |                 |          | CH <sub>H</sub> | 22.92                |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 24.36                | Pass   |
|      |                 |          | CH <sub>M</sub> | 25.11                |        |
|      |                 |          | CH <sub>H</sub> | 25.83                |        |
|      |                 | 802.11a  | CH <sub>L</sub> | 24.51                | Pass   |
|      |                 |          | CH <sub>M</sub> | 25.56                |        |
|      |                 |          | CH <sub>H</sub> | 25.62                |        |
|      | 40              | 802.11ac | CH <sub>L</sub> | 51.30                | Pass   |
|      |                 |          | CH <sub>H</sub> | 51.72                |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 53.94                | Pass   |
|      |                 |          | CH <sub>H</sub> | 58.14                |        |
|      | 80              | 802.11ac | CH <sub>M</sub> | 100.08               | Pass   |

| Band I          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 802.11ac (HT20) |             |            |          |                 |         |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|------------|----------|-----------------|---------|---------|----------|-----------------|----|---|--|-------------|------------|--|--|----|---|--|-------------|----------|--|--|----|----|---|-----------|----------|--|--|
| 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 300 kHz</div></div><div><div>Att 30 dB</div><div>SWI 1.01 ms</div><div>VBW 1 MHz</div><div>Mode Auto Sweep</div></div></div><div>Count 500/500</div><div>1 Frequency Sweep</div><div><div><div>18 dBm</div><div>9 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 5.18 GHz</div><div>1001 pts</div><div>3.0 MHz/</div><div>Span 30.0 MHz</div></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>5.16956 GHz</td><td>-17.90 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.18075 GHz</td><td>8.78 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>21.75 MHz</td><td>0.50 dB</td><td></td><td></td></tr></table></div></div></div> <div>Date: 19 NOV 2021 11:11:52</div>  |                 |             | Type       | Ref      | Trc             | X-Value | Y-Value | Function | Function Result | M1 | 1 |  | 5.16956 GHz | -17.90 dBm |  |  | M2 | 1 |  | 5.18075 GHz | 8.78 dBm |  |  | D3 | M1 | 1 | 21.75 MHz | 0.50 dB  |  |  |
| Type            | Ref                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Trc             | X-Value     | Y-Value    | Function | Function Result |         |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| M1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | 5.16956 GHz | -17.90 dBm |          |                 |         |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| M2              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | 5.18075 GHz | 8.78 dBm   |          |                 |         |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| D3              | M1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1               | 21.75 MHz   | 0.50 dB    |          |                 |         |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| CH <sub>M</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 300 kHz</div></div><div><div>Att 30 dB</div><div>SWI 1.01 ms</div><div>VBW 1 MHz</div><div>Mode Auto Sweep</div></div></div><div>Count 500/500</div><div>1 Frequency Sweep</div><div><div><div>18 dBm</div><div>9 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 5.22 GHz</div><div>1001 pts</div><div>3.0 MHz/</div><div>Span 30.0 MHz</div></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>5.20955 GHz</td><td>-17.81 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.21922 GHz</td><td>8.53 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>22.89 MHz</td><td>-0.20 dB</td><td></td><td></td></tr></table></div></div></div> <div>Date: 19 NOV 2021 11:12:01</div> |                 |             | Type       | Ref      | Trc             | X-Value | Y-Value | Function | Function Result | M1 | 1 |  | 5.20955 GHz | -17.81 dBm |  |  | M2 | 1 |  | 5.21922 GHz | 8.53 dBm |  |  | D3 | M1 | 1 | 22.89 MHz | -0.20 dB |  |  |
| Type            | Ref                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Trc             | X-Value     | Y-Value    | Function | Function Result |         |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| M1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | 5.20955 GHz | -17.81 dBm |          |                 |         |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| M2              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | 5.21922 GHz | 8.53 dBm   |          |                 |         |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| D3              | M1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1               | 22.89 MHz   | -0.20 dB   |          |                 |         |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| CH <sub>H</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 300 kHz</div></div><div><div>Att 30 dB</div><div>SWI 1.01 ms</div><div>VBW 1 MHz</div><div>Mode Auto Sweep</div></div></div><div>Count 500/500</div><div>1 Frequency Sweep</div><div><div><div>18 dBm</div><div>9 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 5.24 GHz</div><div>1001 pts</div><div>3.0 MHz/</div><div>Span 30.0 MHz</div></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>5.22953 GHz</td><td>-17.97 dBm</td><td></td><td></td></tr><tr><td>M2</td><td>1</td><td></td><td>5.23922 GHz</td><td>8.47 dBm</td><td></td><td></td></tr><tr><td>D3</td><td>M1</td><td>1</td><td>22.92 MHz</td><td>-0.60 dB</td><td></td><td></td></tr></table></div></div></div> <div>Date: 19 NOV 2021 11:13:27</div> |                 |             | Type       | Ref      | Trc             | X-Value | Y-Value | Function | Function Result | M1 | 1 |  | 5.22953 GHz | -17.97 dBm |  |  | M2 | 1 |  | 5.23922 GHz | 8.47 dBm |  |  | D3 | M1 | 1 | 22.92 MHz | -0.60 dB |  |  |
| Type            | Ref                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Trc             | X-Value     | Y-Value    | Function | Function Result |         |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| M1              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | 5.22953 GHz | -17.97 dBm |          |                 |         |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| M2              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 | 5.23922 GHz | 8.47 dBm   |          |                 |         |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |
| D3              | M1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1               | 22.92 MHz   | -0.60 dB   |          |                 |         |         |          |                 |    |   |  |             |            |  |  |    |   |  |             |          |  |  |    |    |   |           |          |  |  |

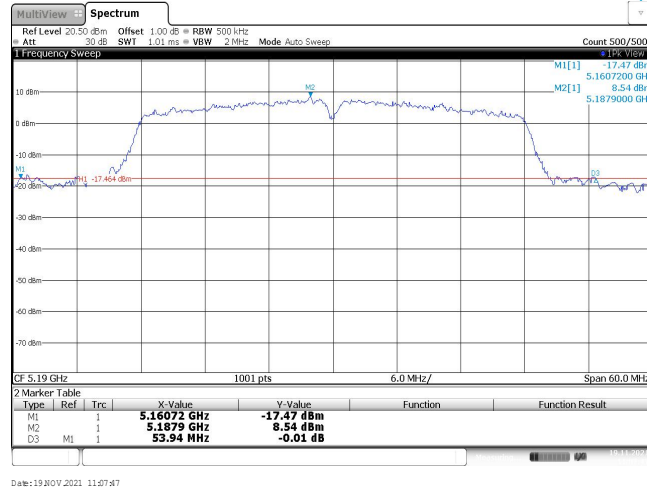
| Band I          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 802.11n (HT20) |  |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--|
| CH <sub>L</sub> | <div><div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div>&lt;</div></div></div></div></div> |                |  |

| Band I          | 802.11a                                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------------------------------|
| CH <sub>L</sub> |  <p>Date: 19 NOV 2021 10:17:21</p>   |
| CH <sub>M</sub> |  <p>Date: 19 NOV 2021 11:52:41</p>  |
| CH <sub>H</sub> |  <p>Date: 19 NOV 2021 11:53:26</p> |

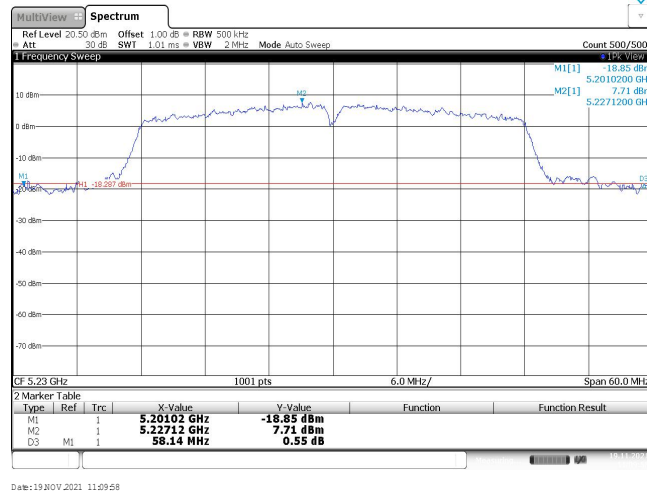


## Band I

## 802.11n (HT40)

CH<sub>L</sub>

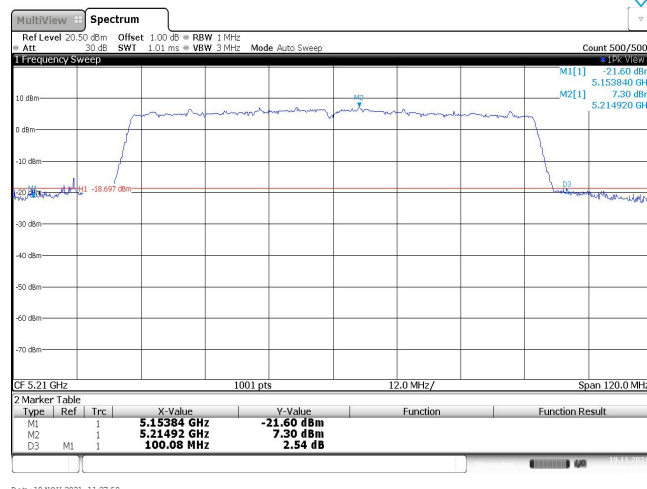
Date: 19 NOV 2021 11:57:47

CH<sub>H</sub>

Date: 19 NOV 2021 11:59:58

## Band I

## 802.11ac (HT80)

CH<sub>M</sub>

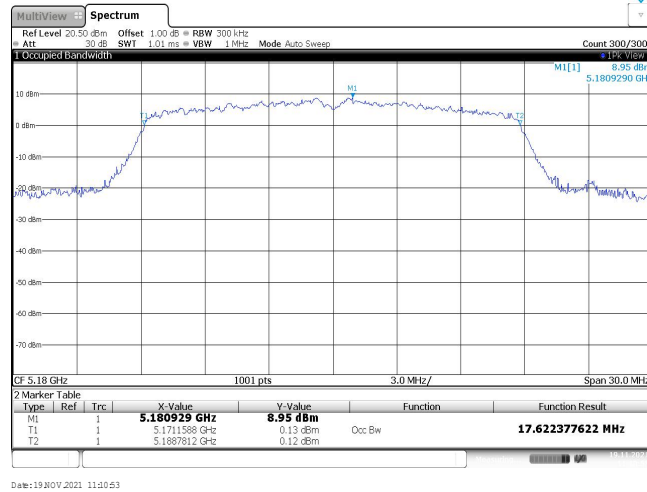
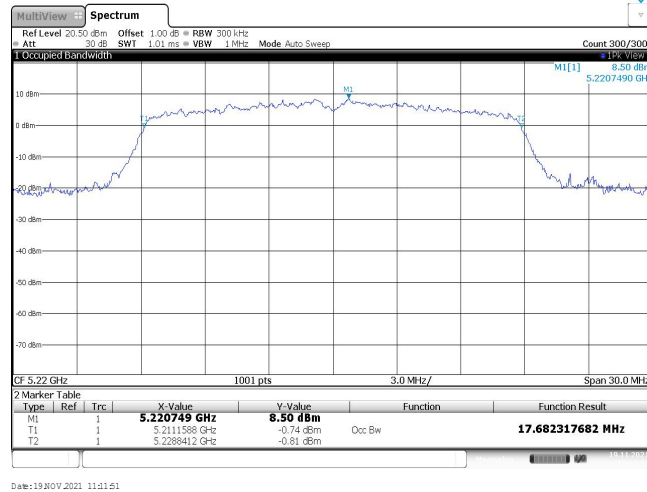
Date: 19 NOV 2021 11:27:58

**Appendix D: 99% Occupy bandwidth**

| Band | Bandwidth (MHz) | Type     | Channel         | 99% Occupy bandwidth (MHz) | Result |
|------|-----------------|----------|-----------------|----------------------------|--------|
| I    | 20              | 802.11ac | CH <sub>L</sub> | 17.62                      | Pass   |
|      |                 |          | CH <sub>M</sub> | 17.68                      |        |
|      |                 |          | CH <sub>H</sub> | 17.71                      |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 17.68                      | Pass   |
|      |                 |          | CH <sub>M</sub> | 17.71                      |        |
|      |                 |          | CH <sub>H</sub> | 17.74                      |        |
|      |                 | 802.11a  | CH <sub>L</sub> | 16.87                      | Pass   |
|      |                 |          | CH <sub>M</sub> | 16.93                      |        |
|      |                 |          | CH <sub>H</sub> | 16.93                      |        |
|      | 40              | 802.11ac | CH <sub>L</sub> | 36.14                      | Pass   |
|      |                 |          | CH <sub>H</sub> | 36.20                      |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 36.14                      | Pass   |
|      |                 |          | CH <sub>H</sub> | 36.26                      |        |
|      | 80              | 802.11ac | CH <sub>M</sub> | 75.88                      | Pass   |
| IV   | 20              | 802.11ac | CH <sub>L</sub> | 17.62                      | Pass   |
|      |                 |          | CH <sub>M</sub> | 17.62                      |        |
|      |                 |          | CH <sub>H</sub> | 17.71                      |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 17.62                      | Pass   |
|      |                 |          | CH <sub>M</sub> | 17.65                      |        |
|      |                 |          | CH <sub>H</sub> | 17.65                      |        |
|      |                 | 802.11a  | CH <sub>L</sub> | 16.87                      | Pass   |
|      |                 |          | CH <sub>M</sub> | 16.90                      |        |
|      |                 |          | CH <sub>H</sub> | 16.99                      |        |
|      | 40              | 802.11ac | CH <sub>L</sub> | 36.02                      | Pass   |
|      |                 |          | CH <sub>H</sub> | 36.14                      |        |
|      |                 | 802.11n  | CH <sub>L</sub> | 36.12                      | Pass   |
|      |                 |          | CH <sub>H</sub> | 36.21                      |        |
|      | 80              | 802.11ac | CH <sub>M</sub> | 75.64                      | Pass   |

## Band I

## 802.11ac (HT20)

CH<sub>L</sub>CH<sub>M</sub>CH<sub>H</sub>