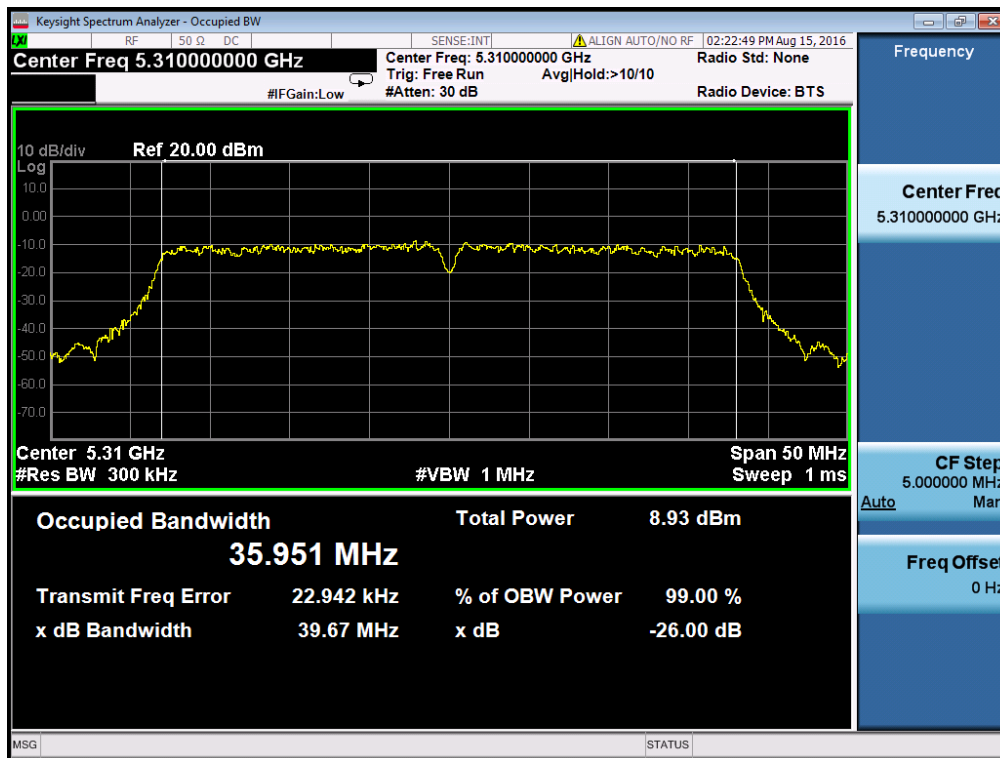
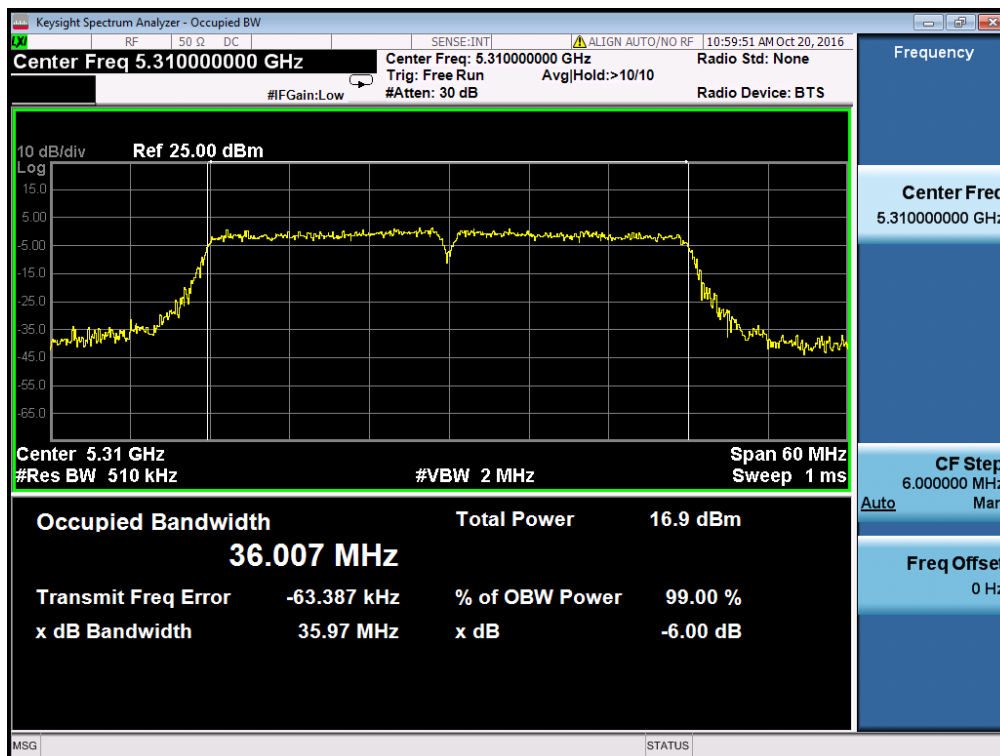
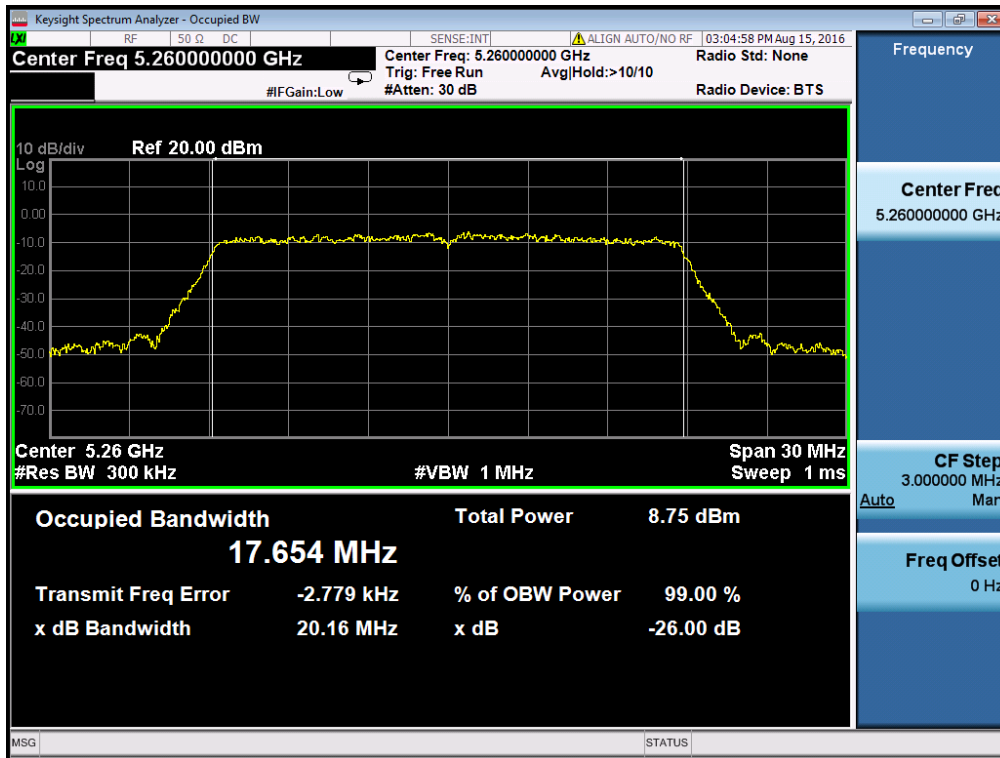




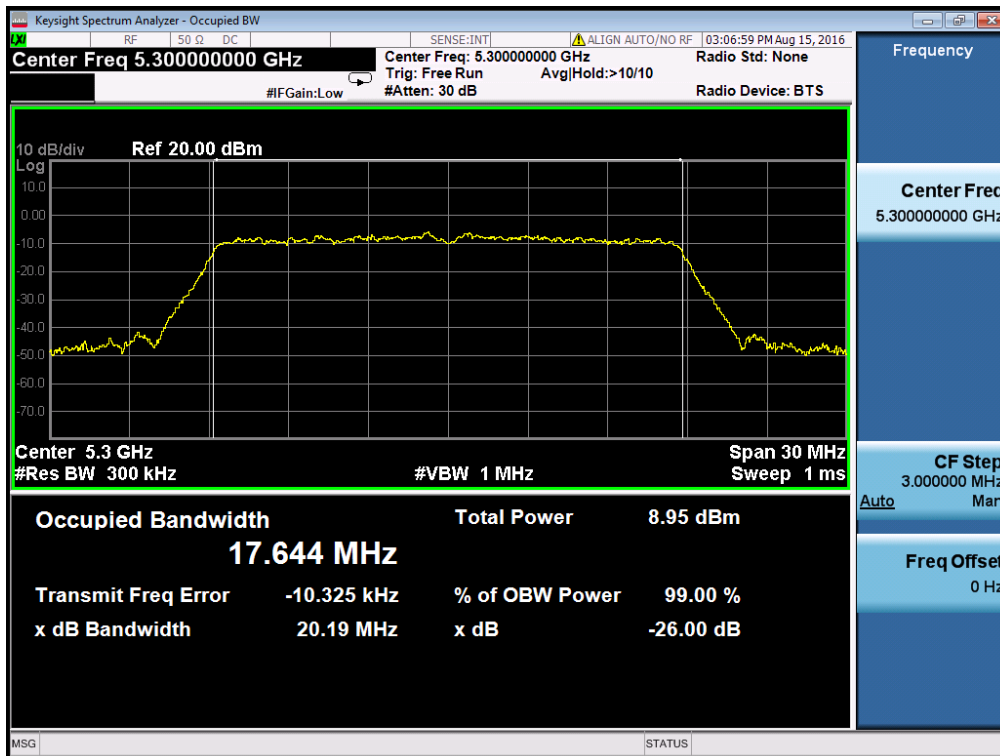
Antenna 1 - 802.11n-HT40 - 26dB Bandwidth- 5310MHz



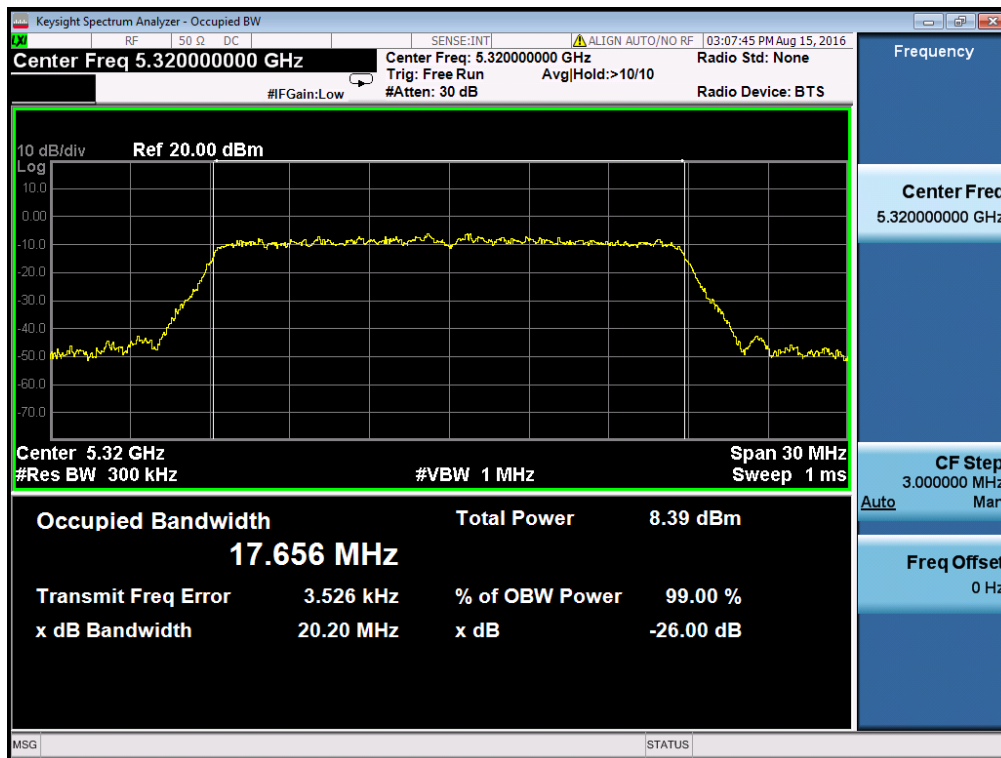
Antenna 1 - 802.11n-HT40 - 99% Bandwidth- 5310MHz



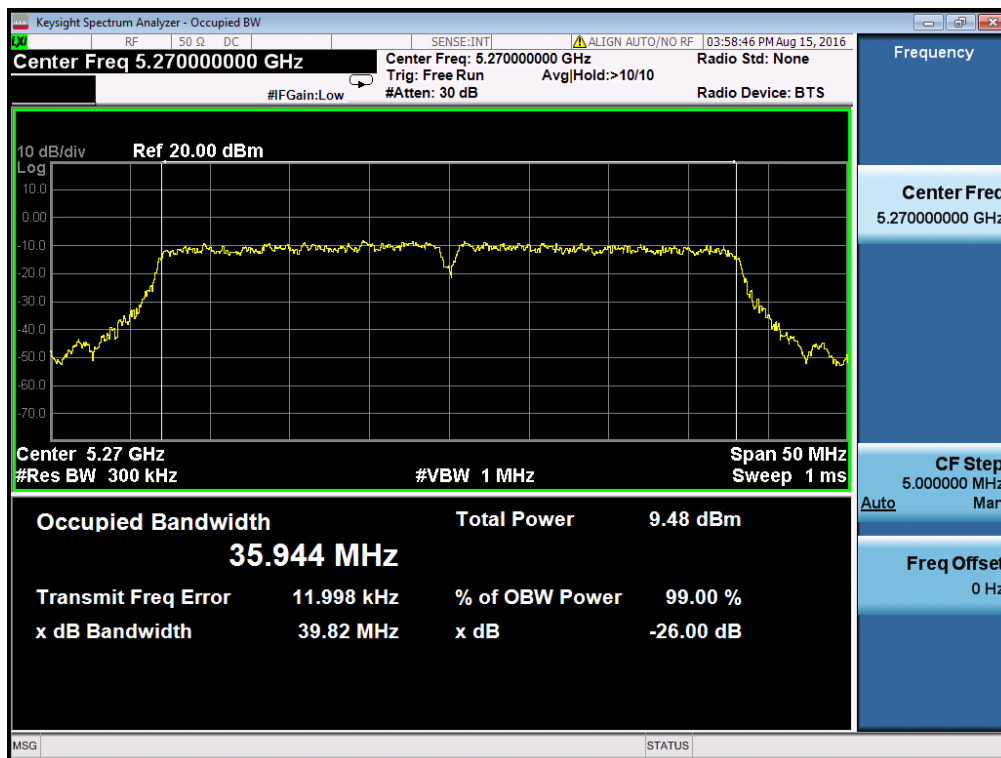
Antenna 1 - 802.11ac-VHT20 – Bandwidth– 5260MHz



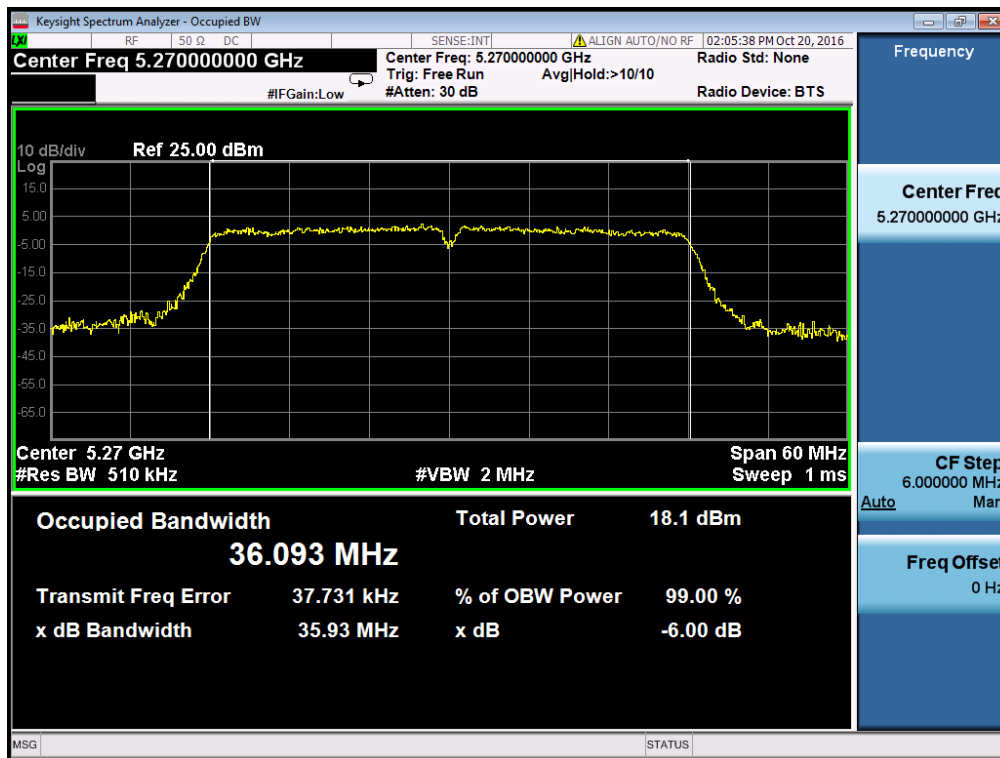
Antenna 1 - 802.11ac-VHT20 – Bandwidth– 5300MHz



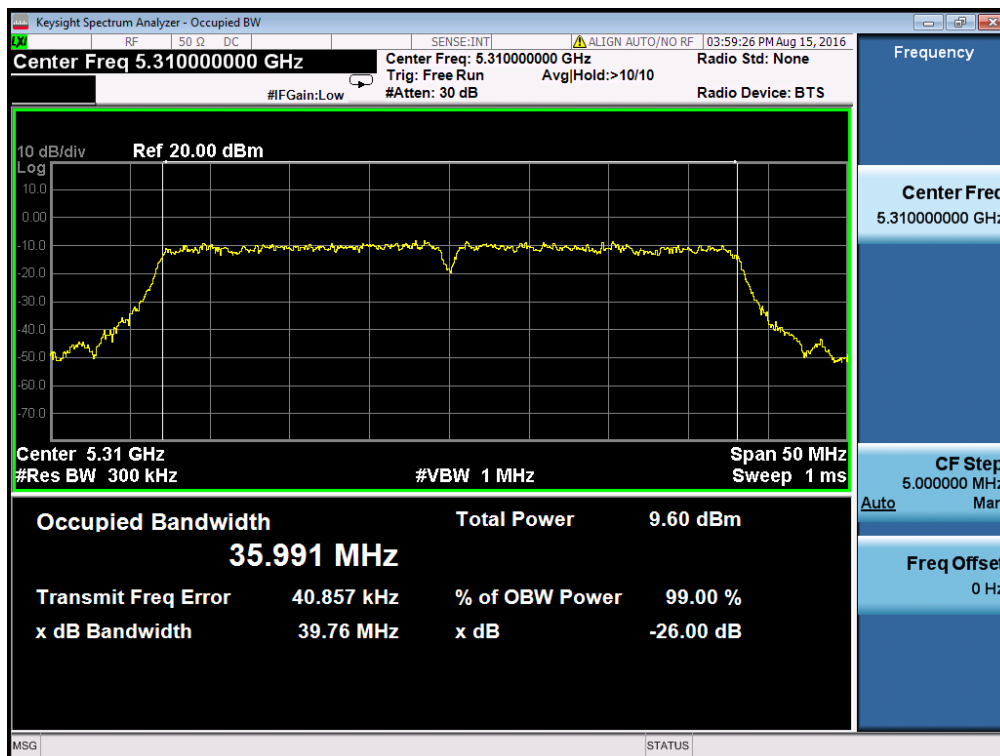
Antenna 1 - 802.11ac-VHT20 – Bandwidth– 5320MHz



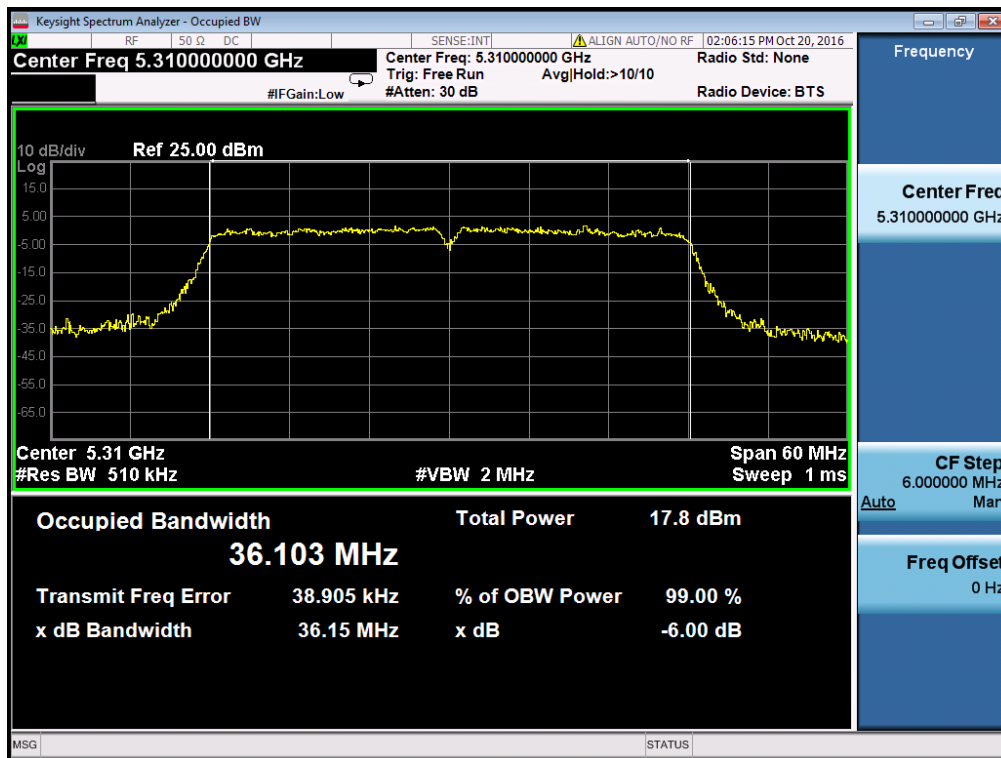
Antenna 1 - 802.11ac-VHT40- 26dB Bandwidth – 5270MHz



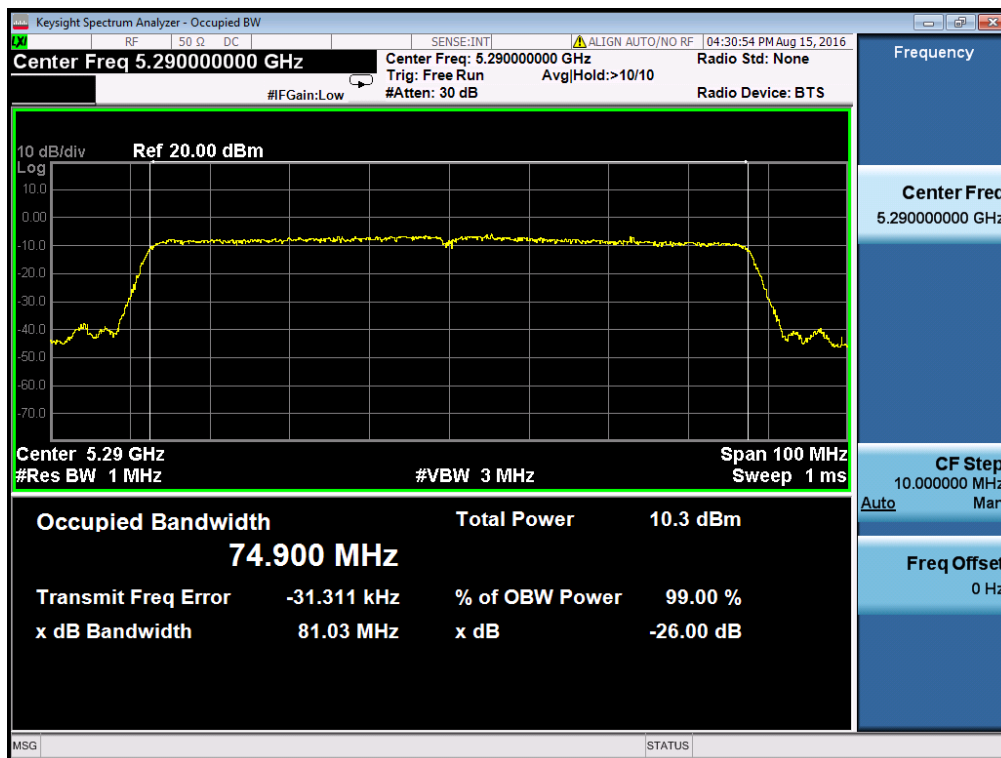
Antenna 1 - 802.11ac-VHT40- 99% Bandwidth – 5270MHz



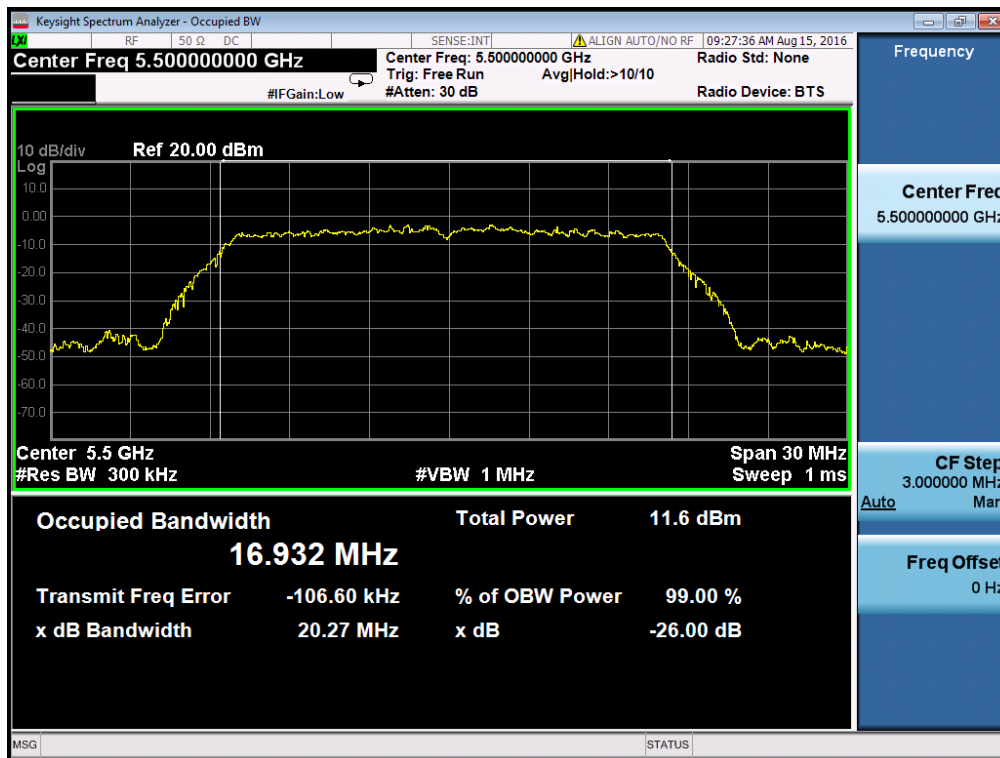
Antenna 1 - 802.11ac-VHT40- 26dB Bandwidth – 5310MHz



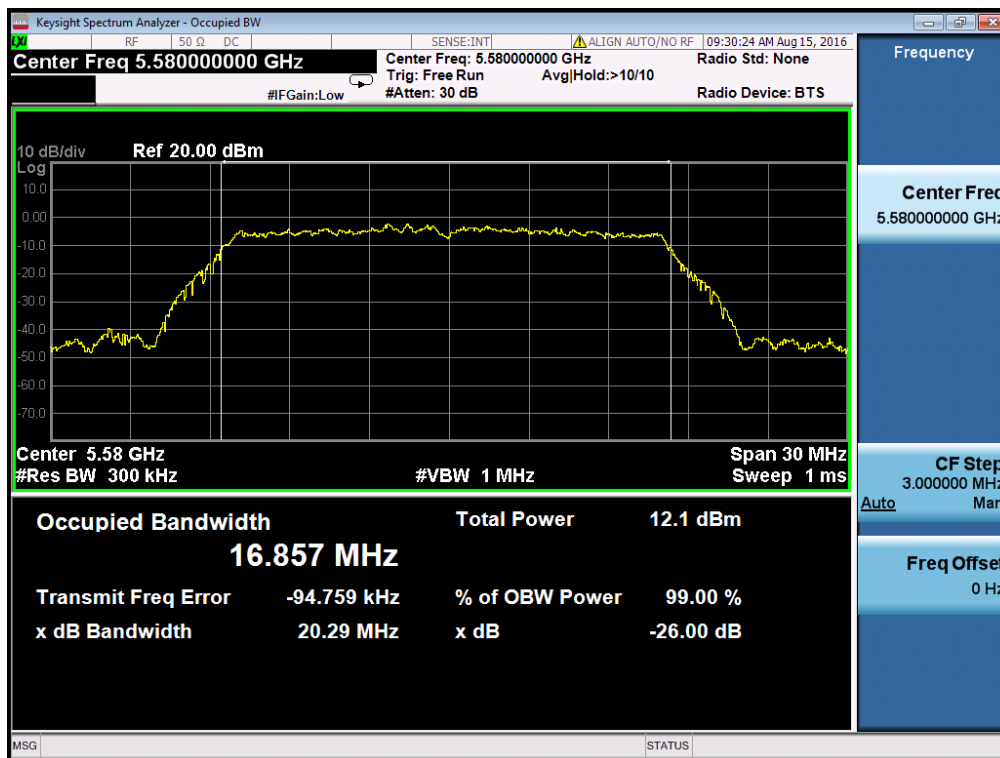
Antenna 1 - 802.11ac-VHT40- 99% Bandwidth – 5310MHz



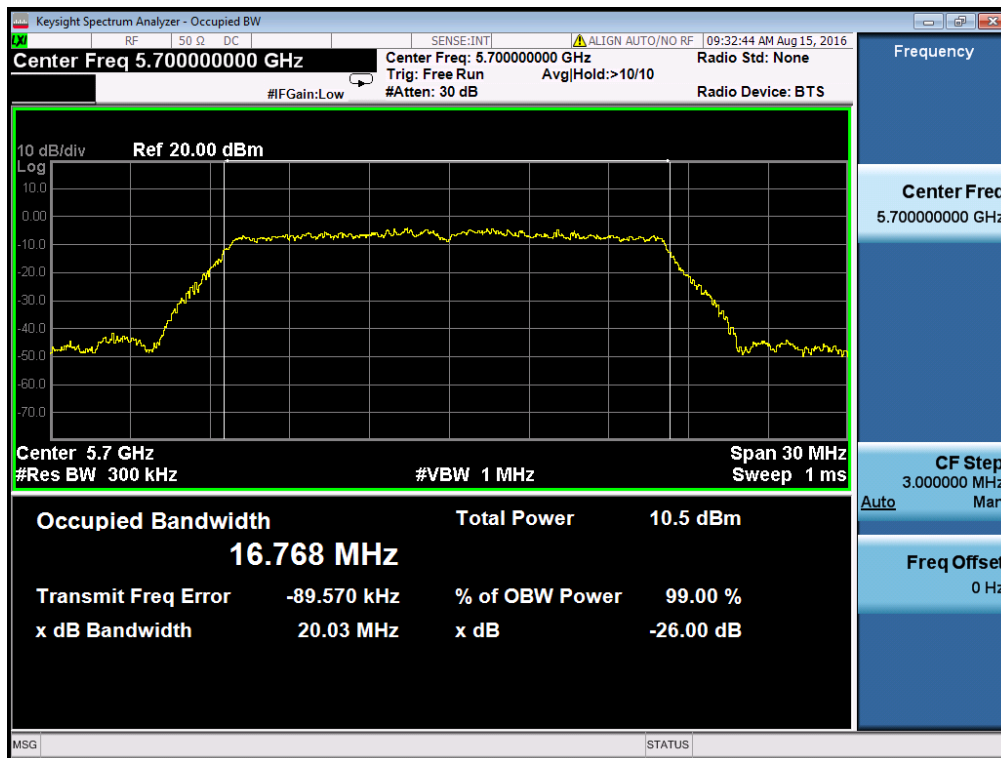
Antenna 1 - 802.11ac-VHT80- 26dB Bandwidth – 5290MHz



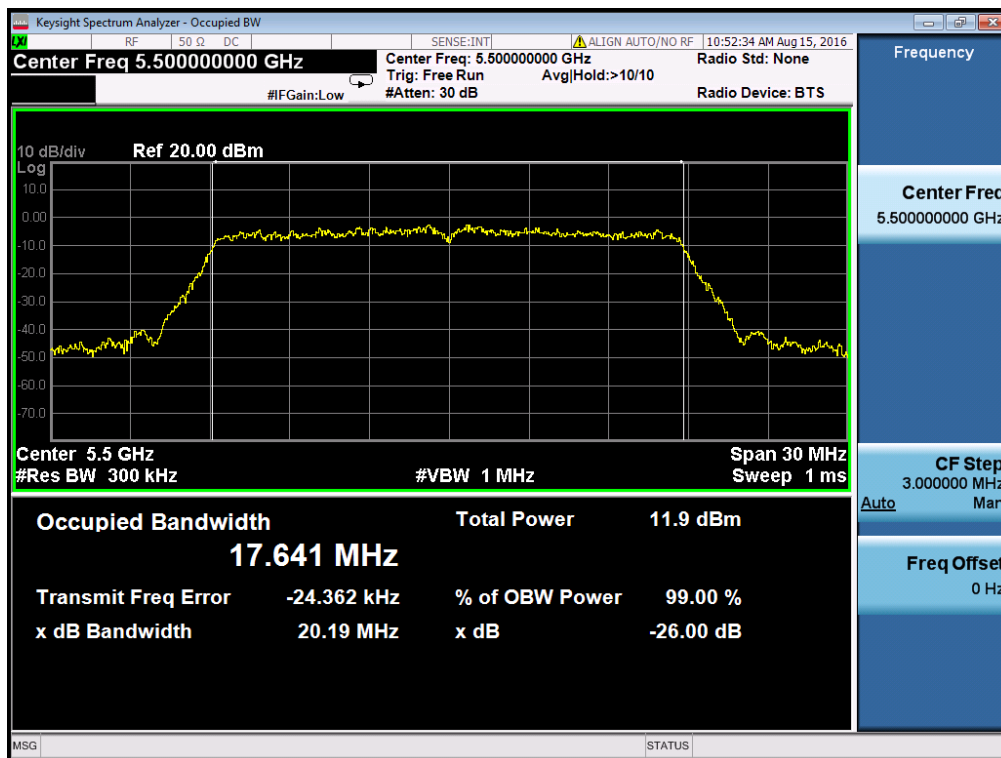
Antenna 1 - 802.11a - Bandwidth– 5500MHz



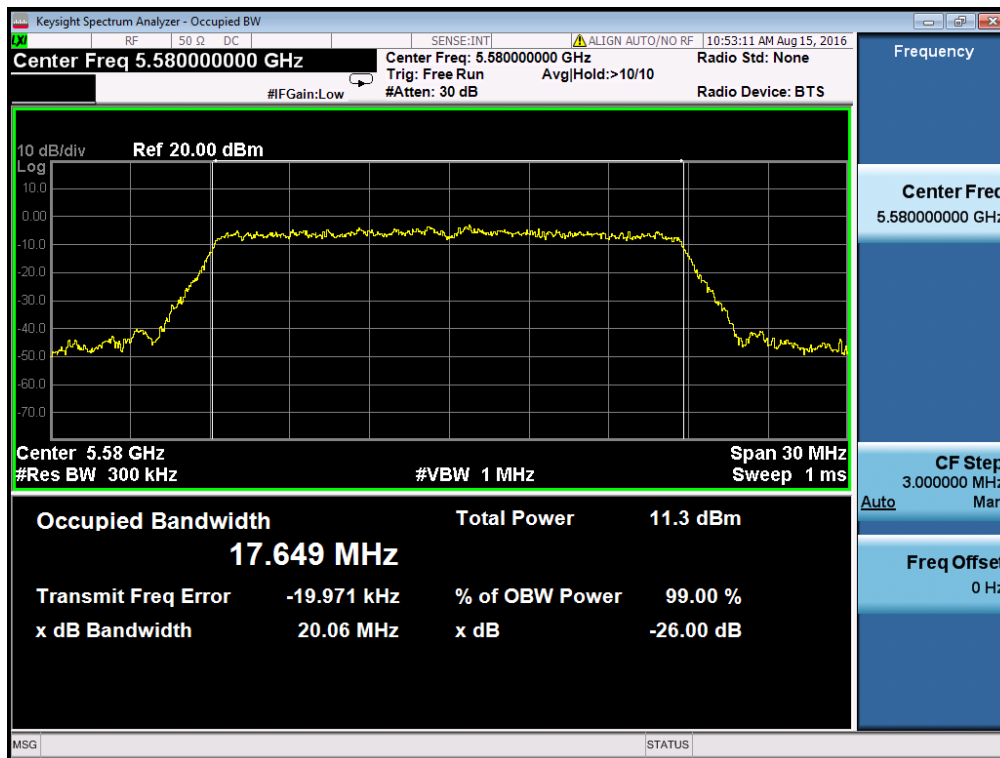
Antenna 1 - 802.11a - Bandwidth– 5580MHz



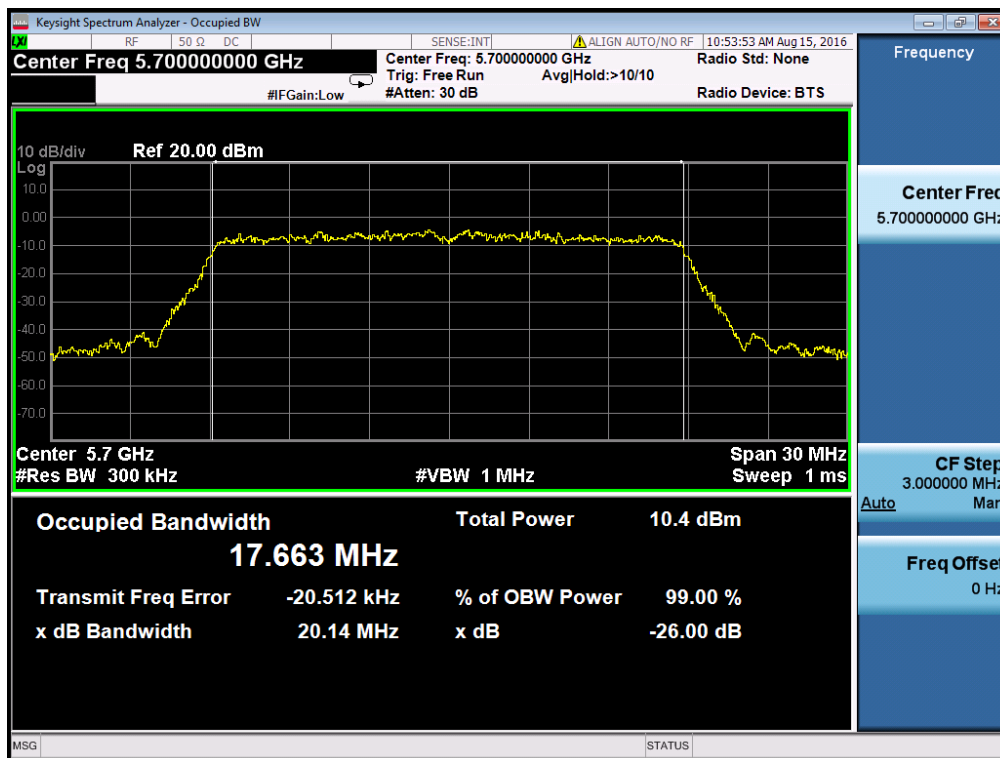
Antenna 1 - 802.11a - Bandwidth- 5700MHz



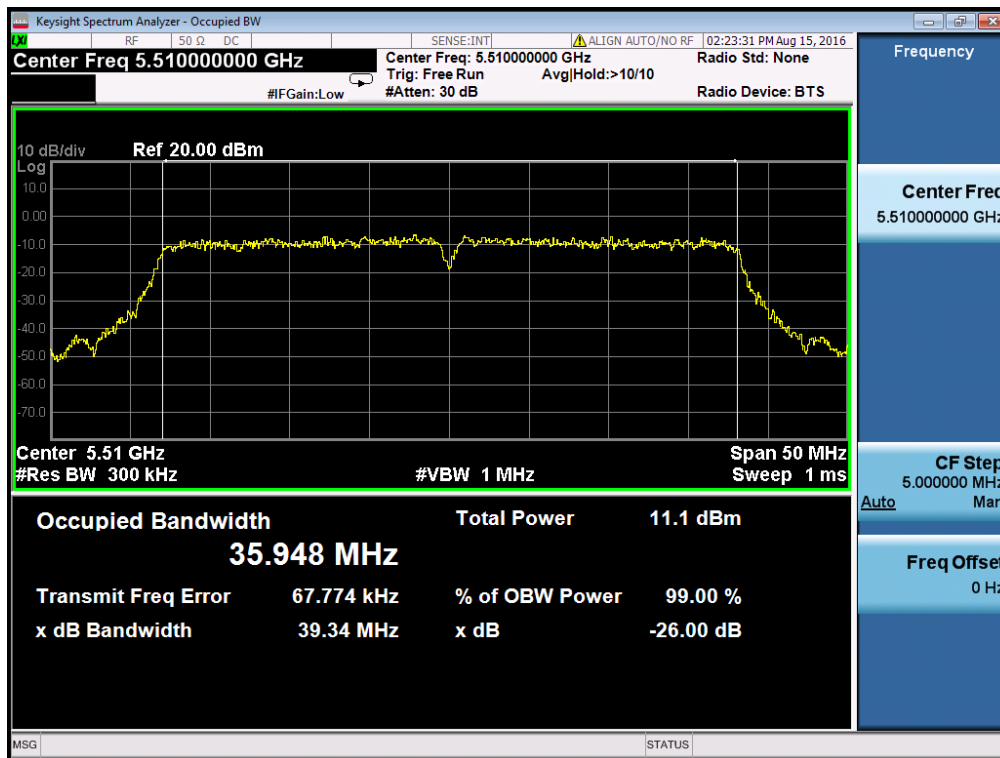
Antenna 1 - 802.11n-HT20 - Bandwidth- 5500MHz



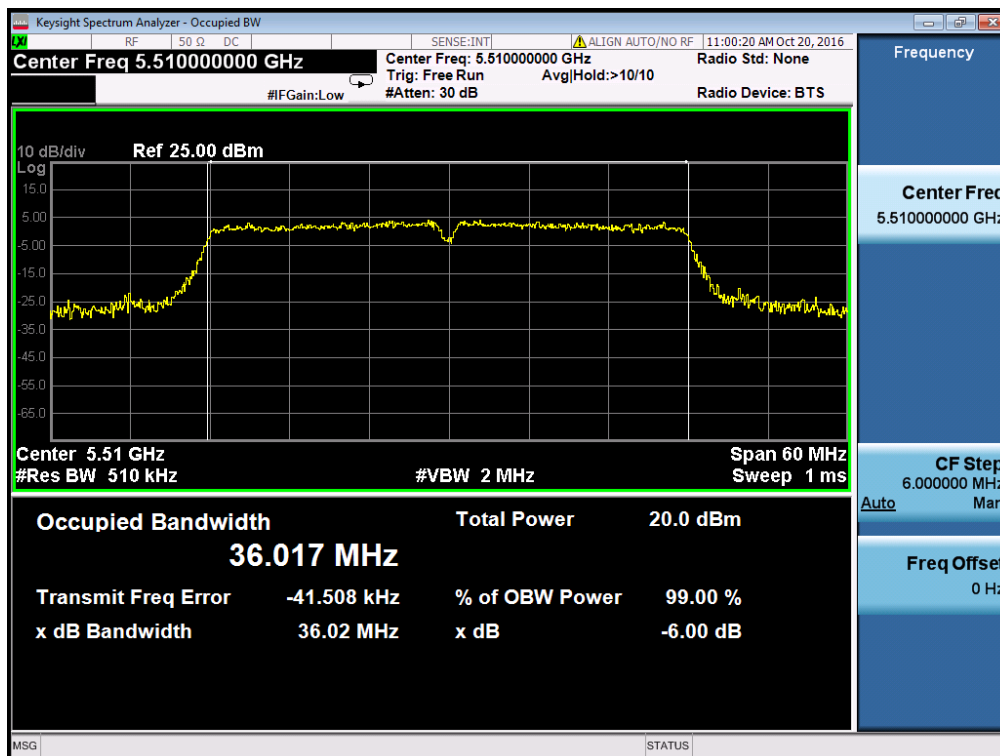
Antenna 1 - 802.11n-HT20 - Bandwidth- 5580MHz



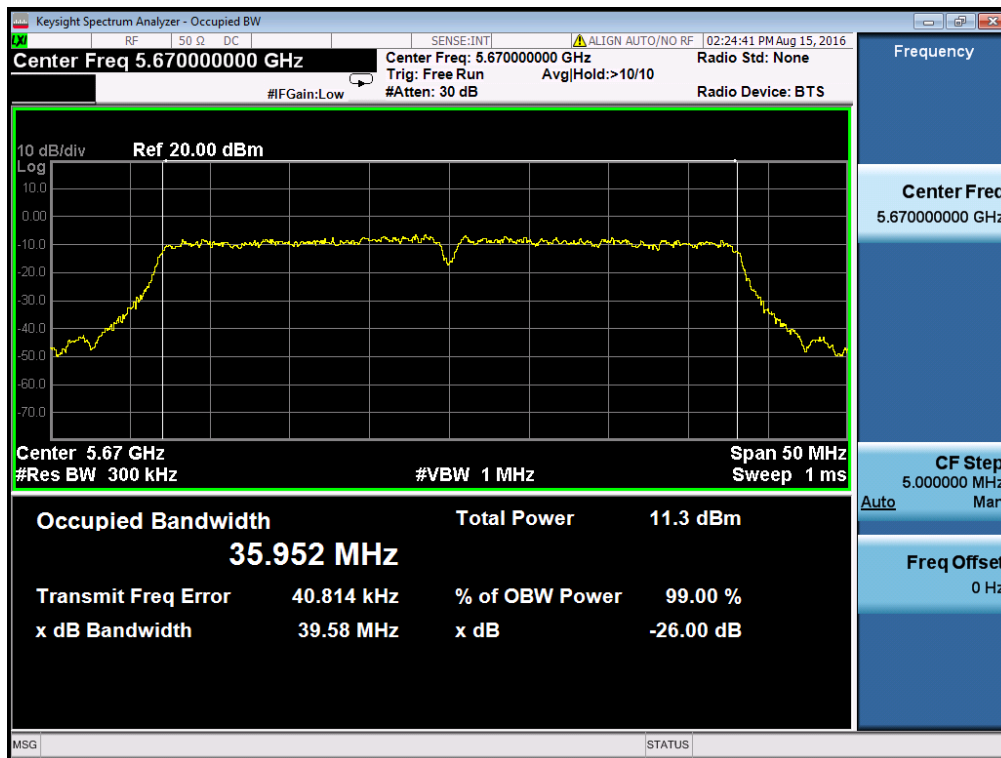
Antenna 1 - 802.11n-HT20 - Bandwidth- 5700MHz



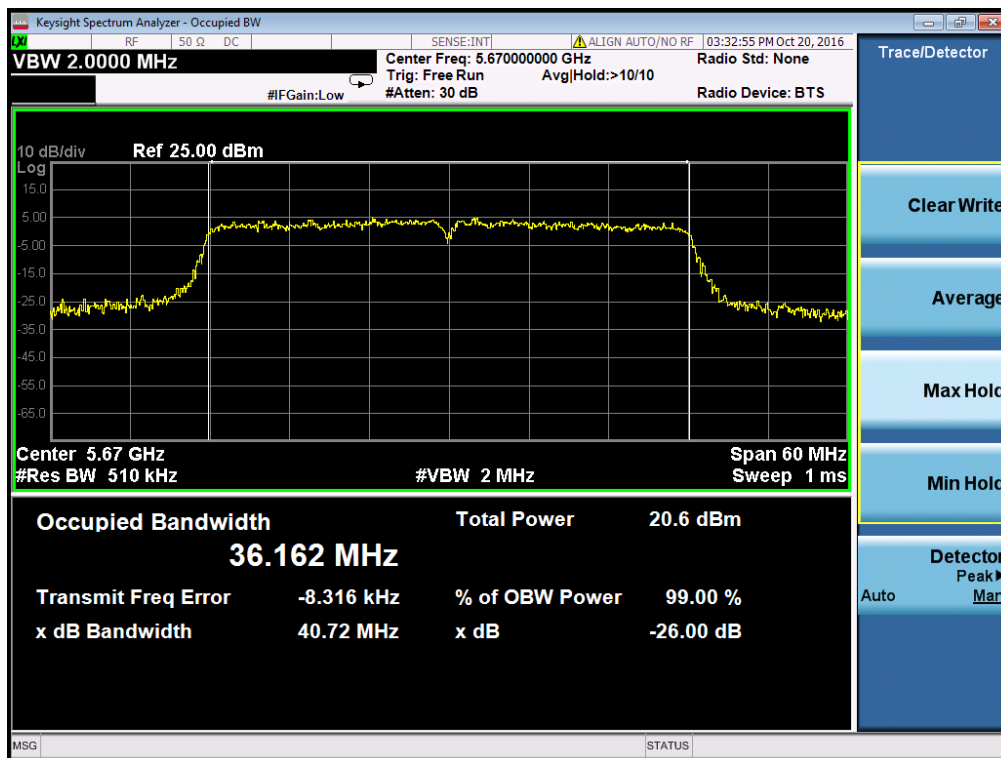
Antenna 1 - 802.11n-HT40 - 26dB Bandwidth– 5510MHz



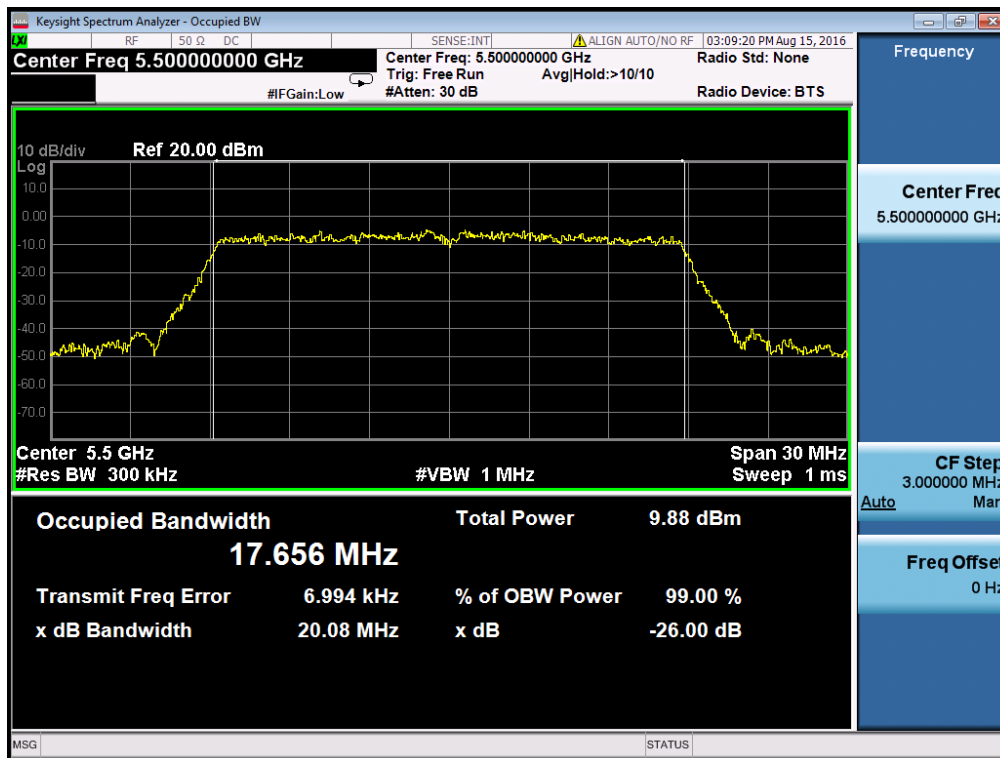
Antenna 1 - 802.11n-HT40 – 99% Bandwidth– 5510MHz



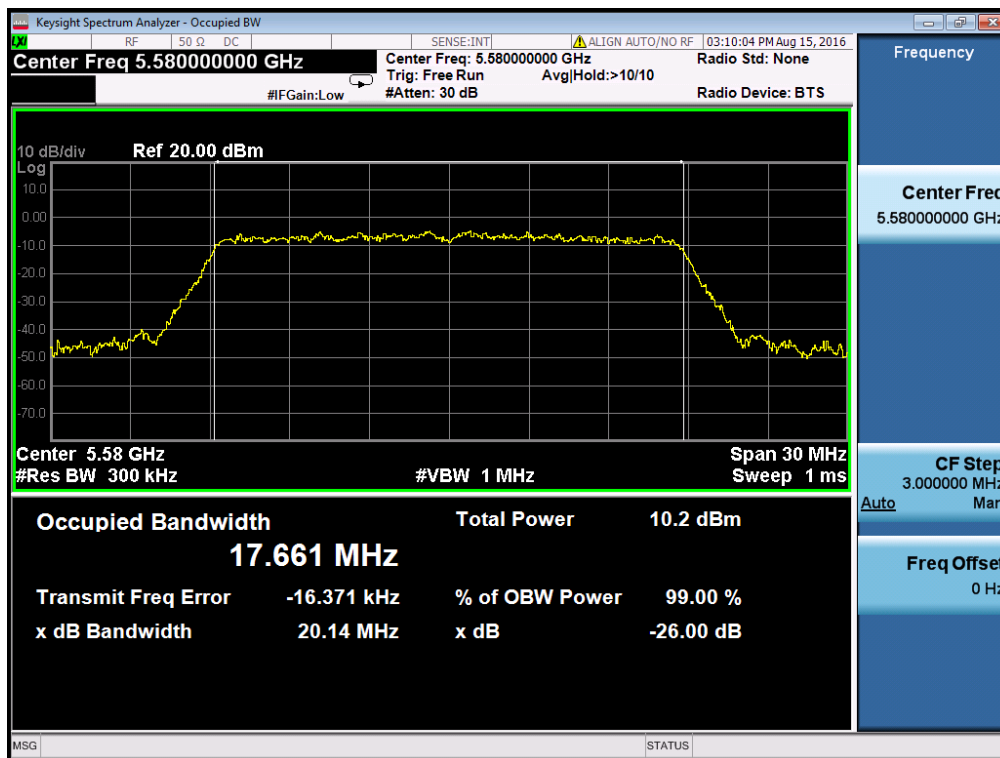
Antenna 1 - 802.11n-HT40 - 26dB Bandwidth- 5670MHz



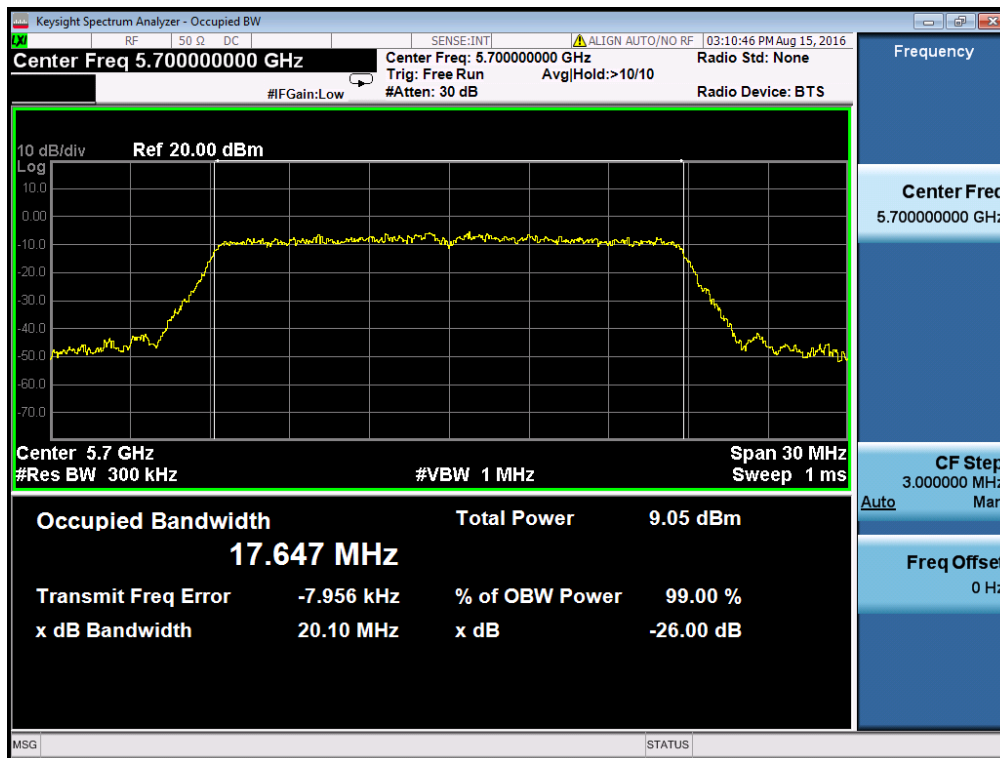
Antenna 1 - 802.11n-HT40 - 99% Bandwidth- 5670MHz



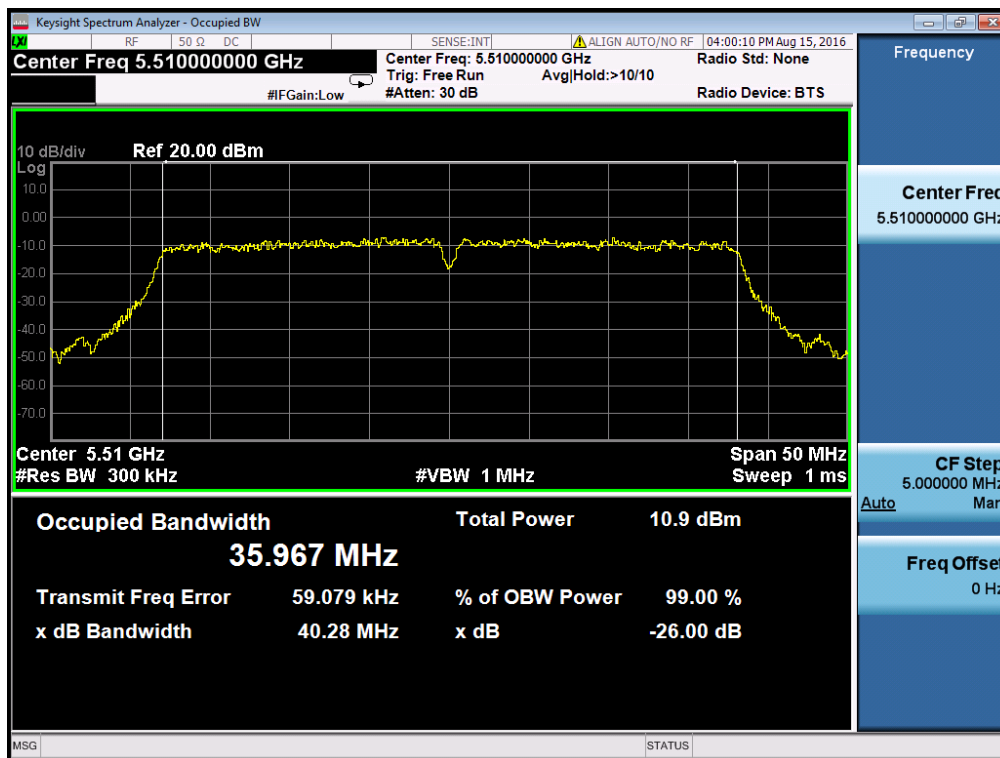
Antenna 1 - 802.11ac-VHT20 - Bandwidth- 5500MHz



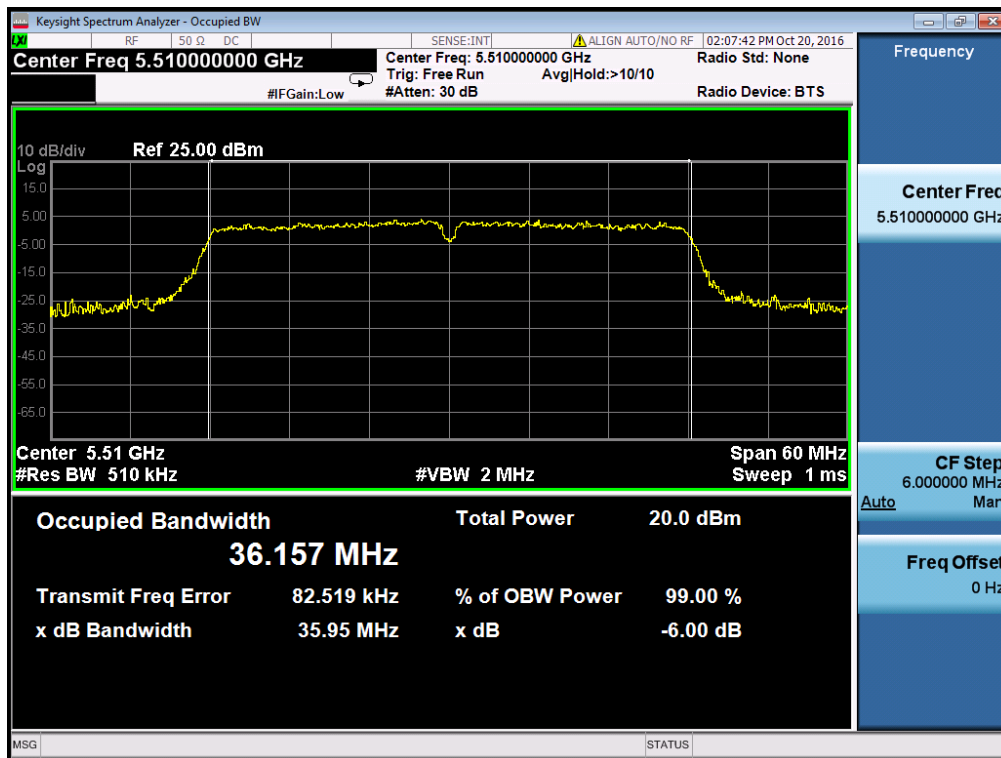
Antenna 1 - 802.11ac-VHT20 - Bandwidth- 5580MHz



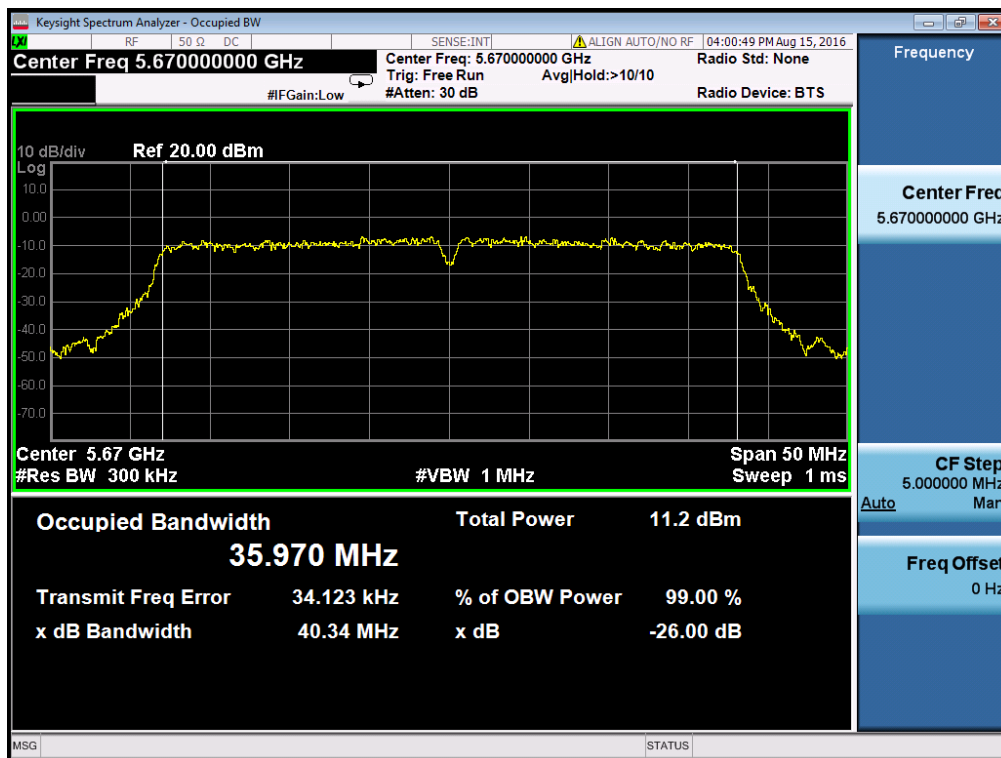
Antenna 1 - 802.11ac-VHT20 - Bandwidth- 5700MHz



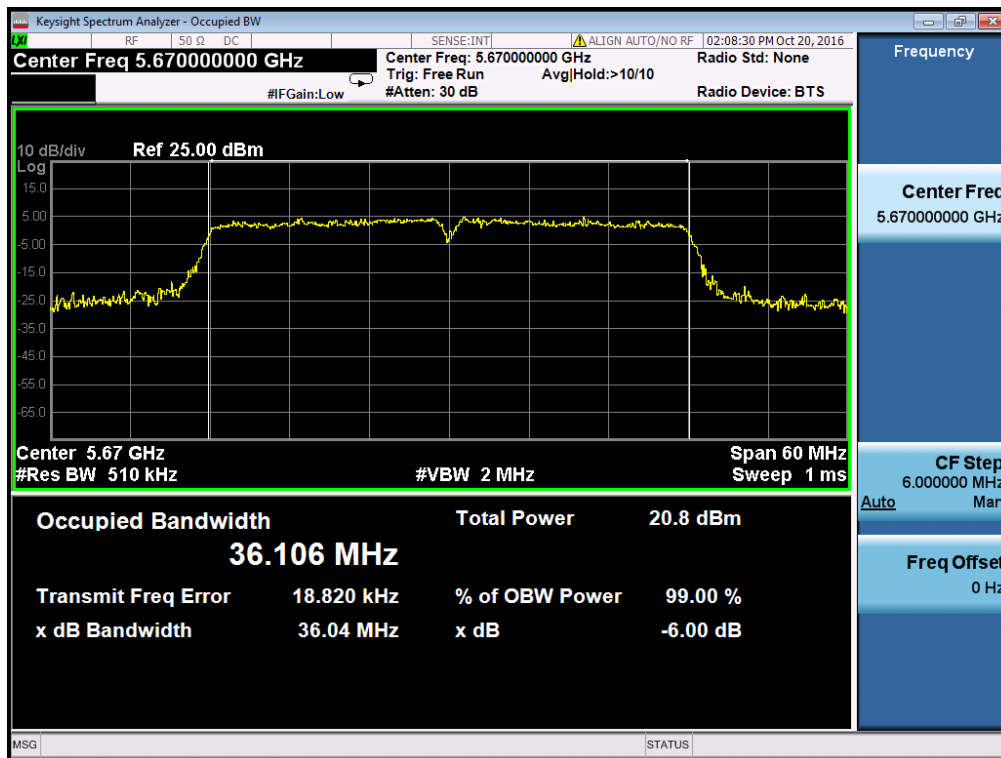
Antenna 1 - 802.11ac-VHT40 - 26dB Bandwidth- 5510MHz



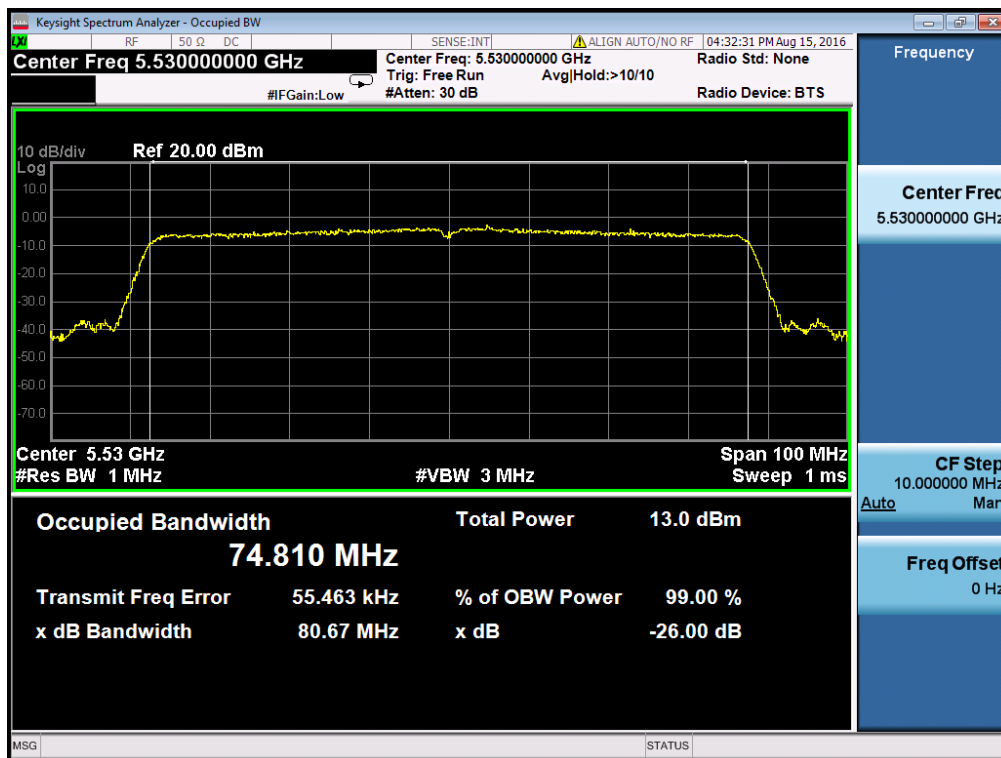
Antenna 1 - 802.11ac-VHT40 – 99% Bandwidth– 5510MHz



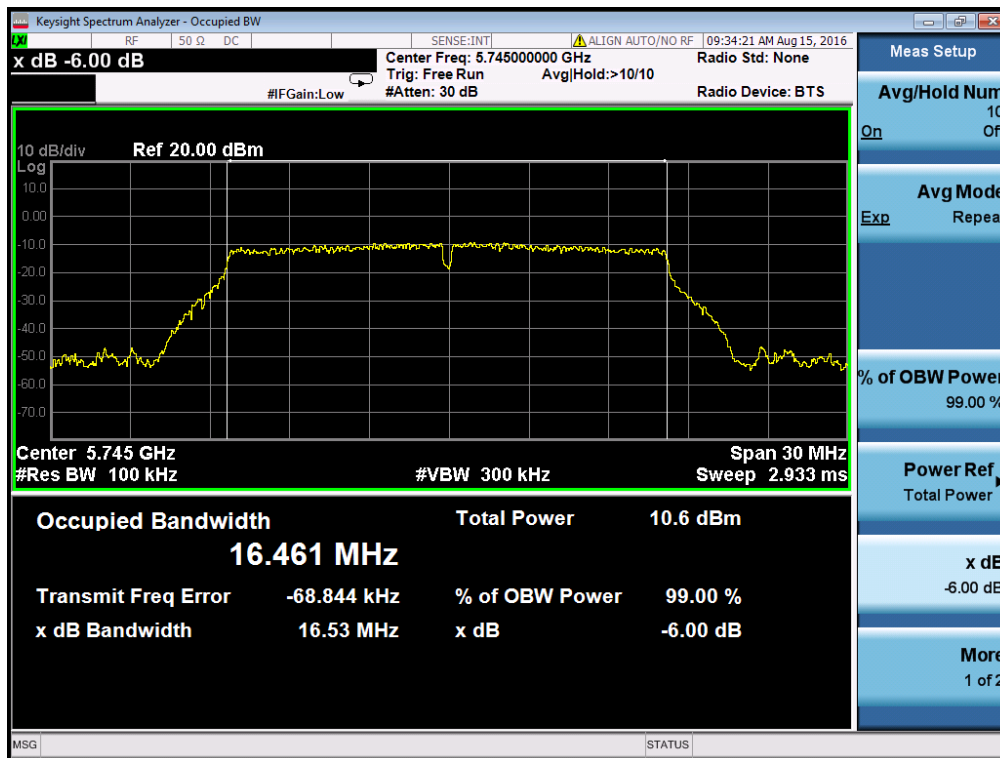
Antenna 1 - 802.11ac-VHT40 - 26dB Bandwidth– 5670MHz



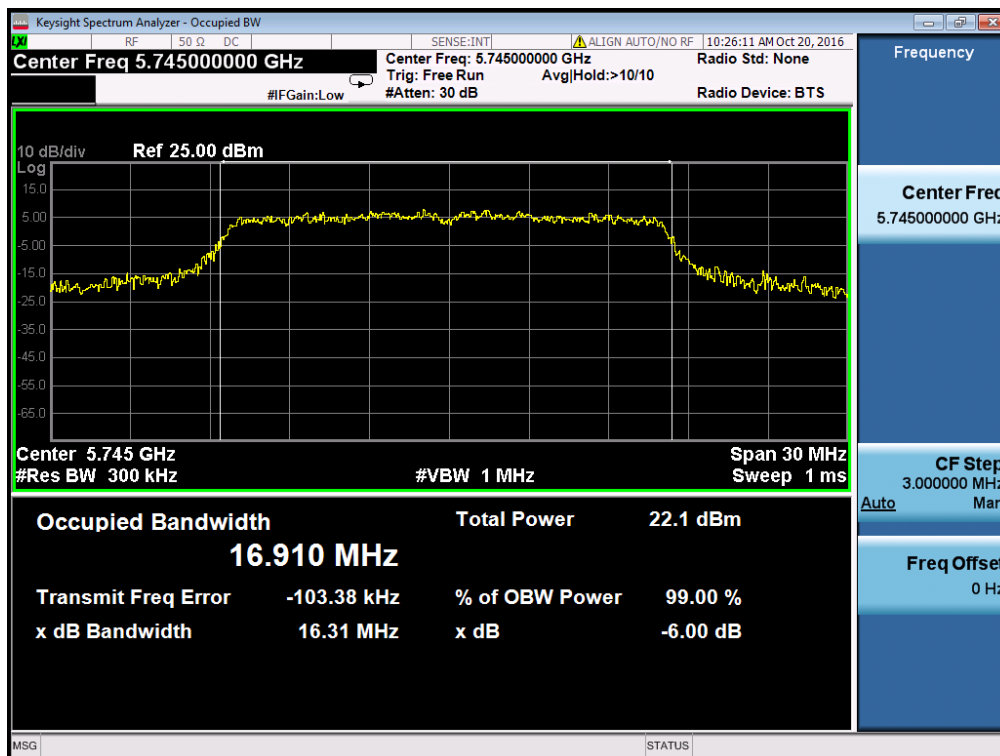
Antenna 1 - 802.11ac-VHT40 – 99% Bandwidth– 5670MHz



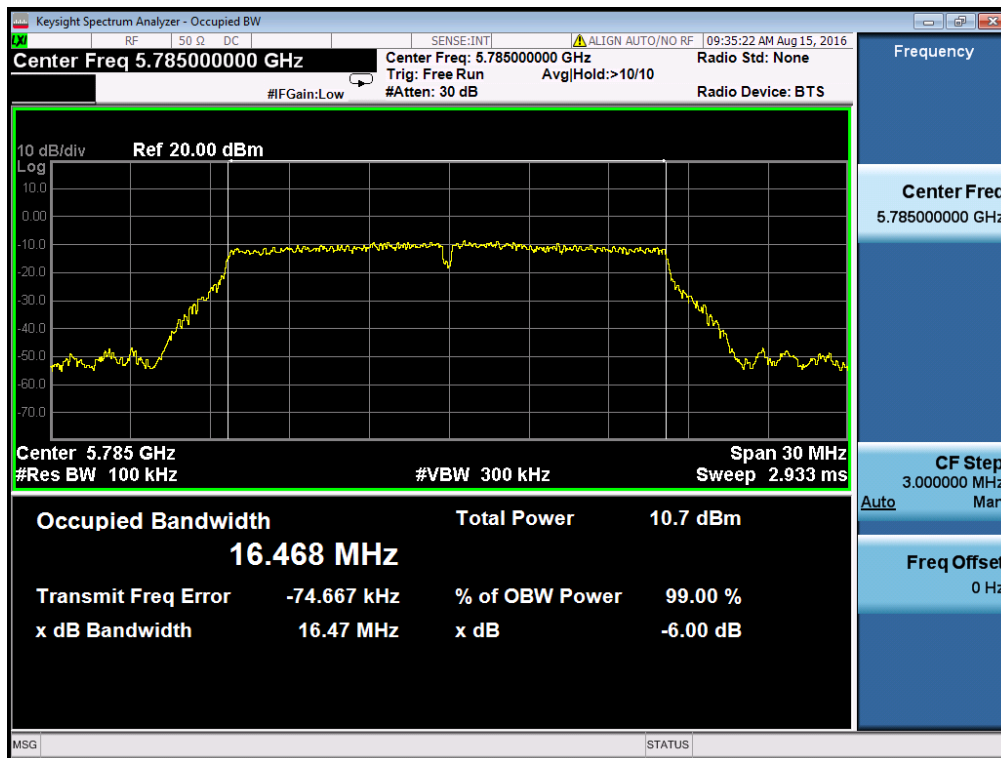
Antenna 1 - 802.11ac-VHT80 - Bandwidth– 5530MHz



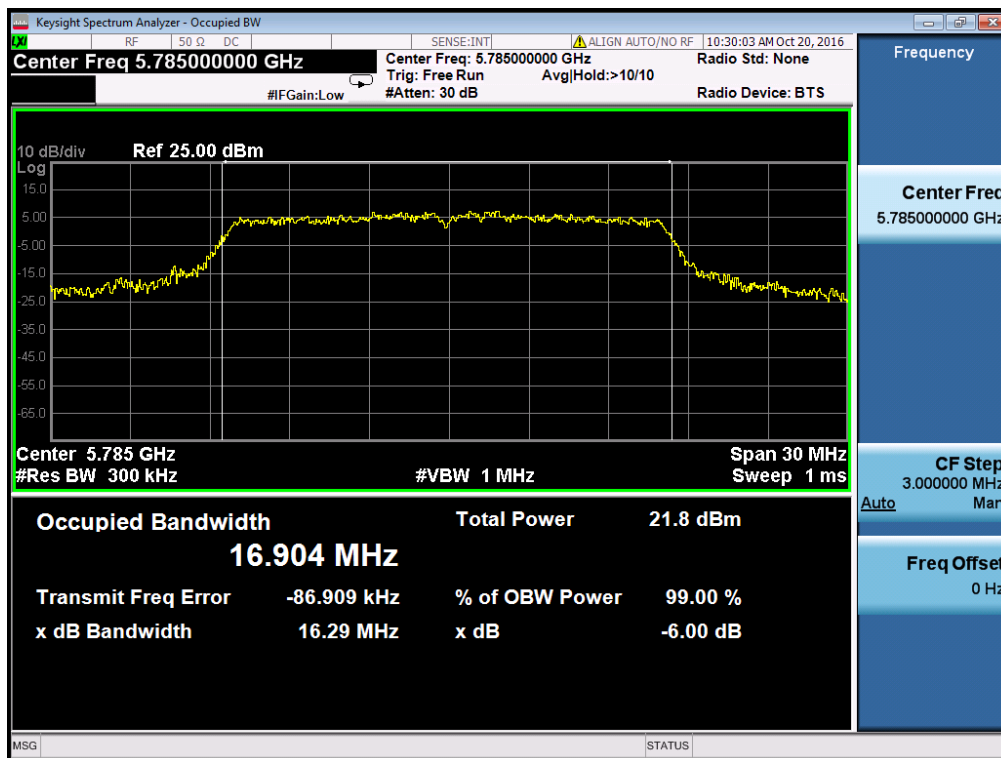
Antenna 1 - 802.11a – 6dB Bandwidth– 5745MHz



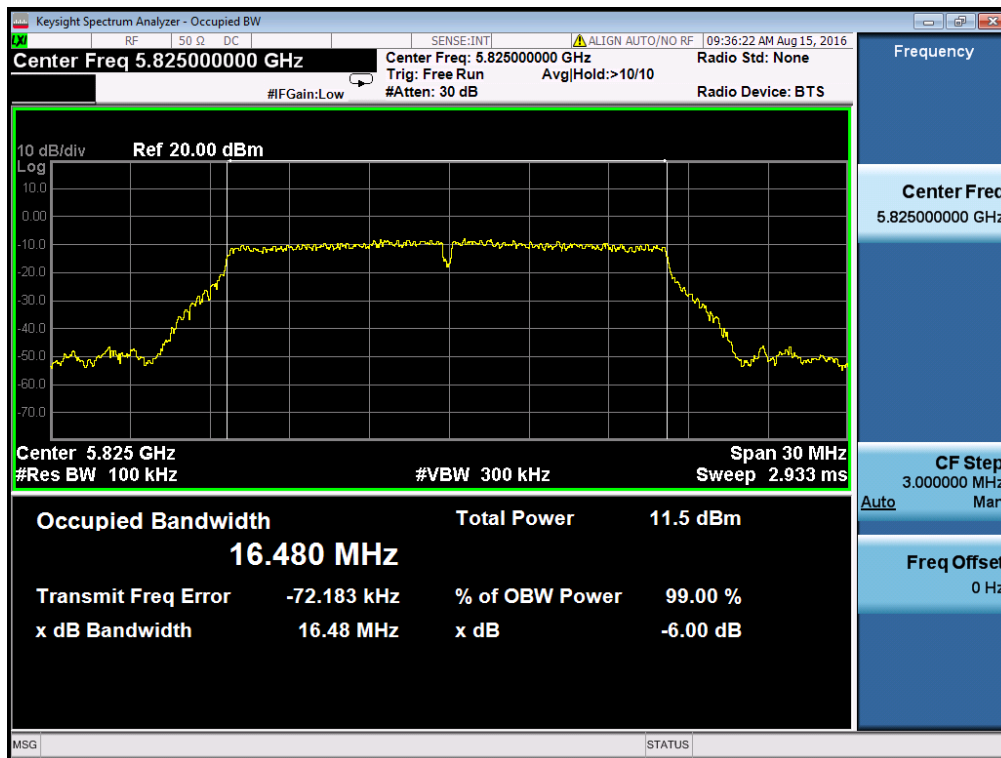
Antenna 1 - 802.11a – 99% Bandwidth– 5745MHz



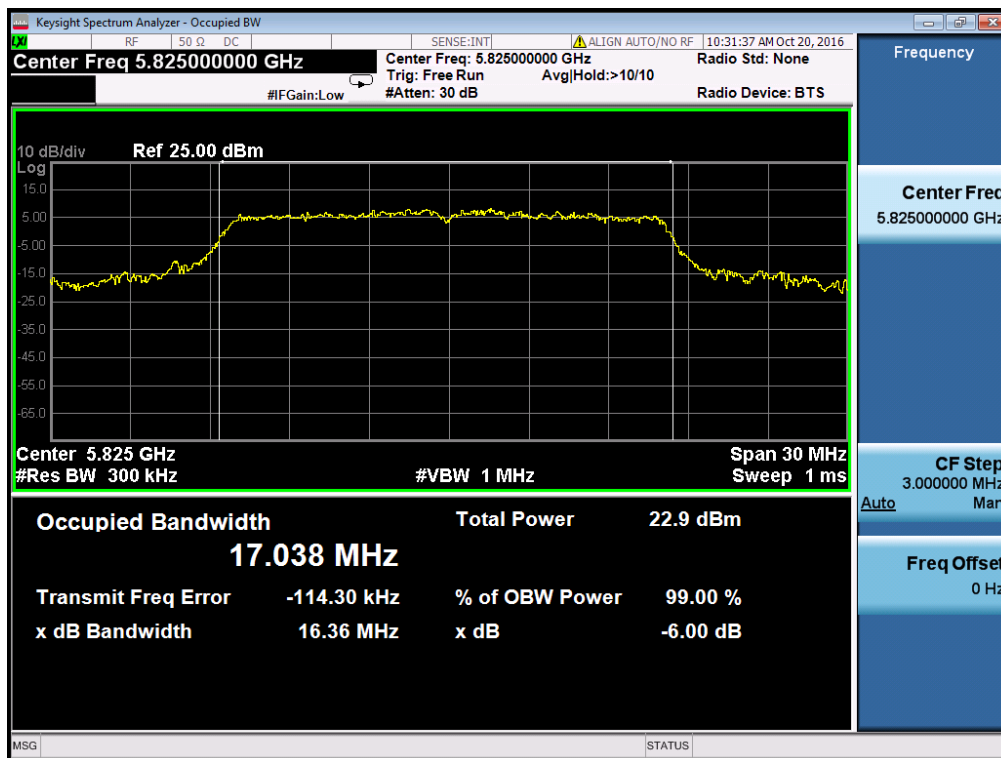
Antenna 1 - 802.11a - 6dB Bandwidth– 5785MHz



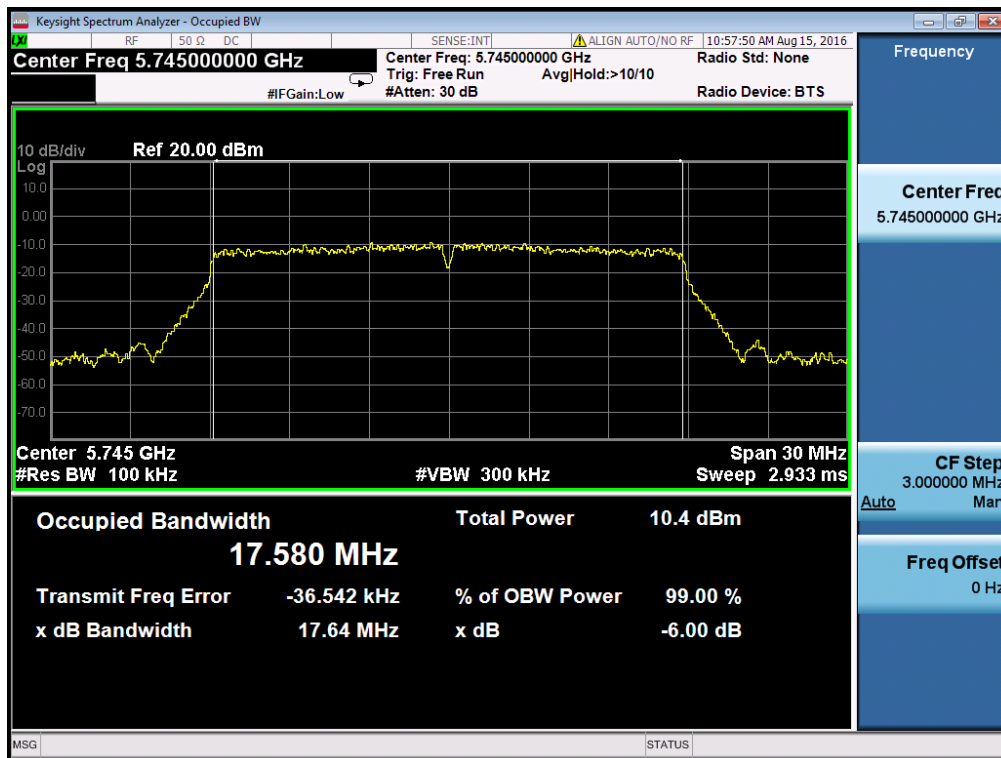
Antenna 1 - 802.11a - 99% Bandwidth– 5785MHz



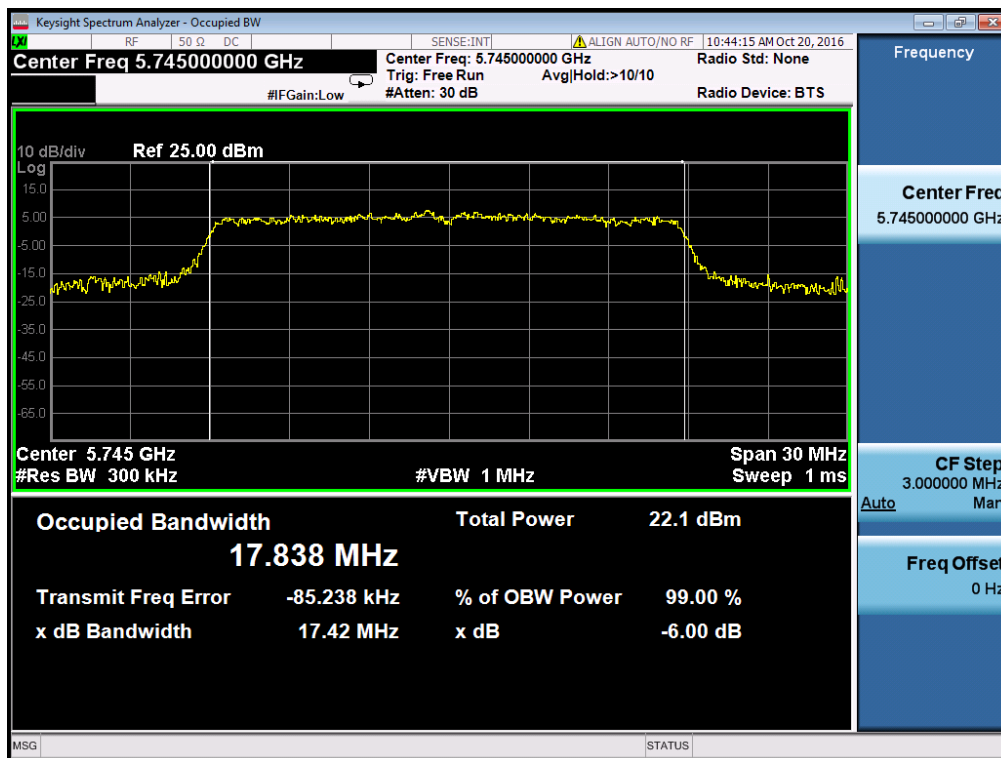
Antenna 1 - 802.11a - 6dB Bandwidth– 5825MHz



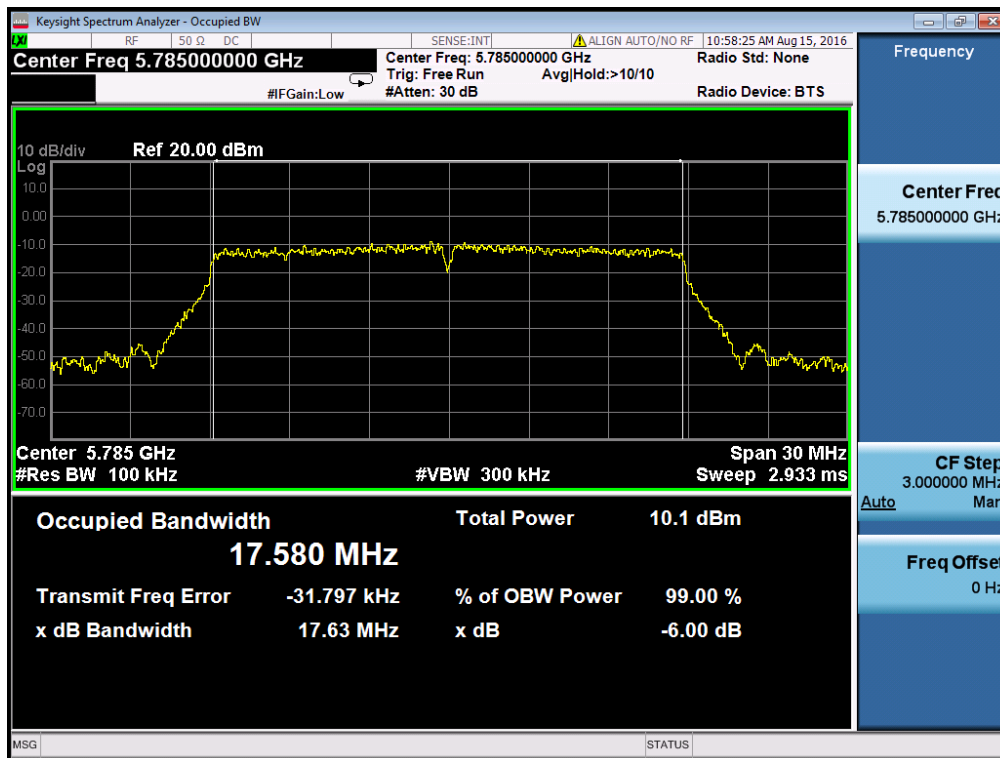
Antenna 1 - 802.11a – 99% Bandwidth– 5825MHz



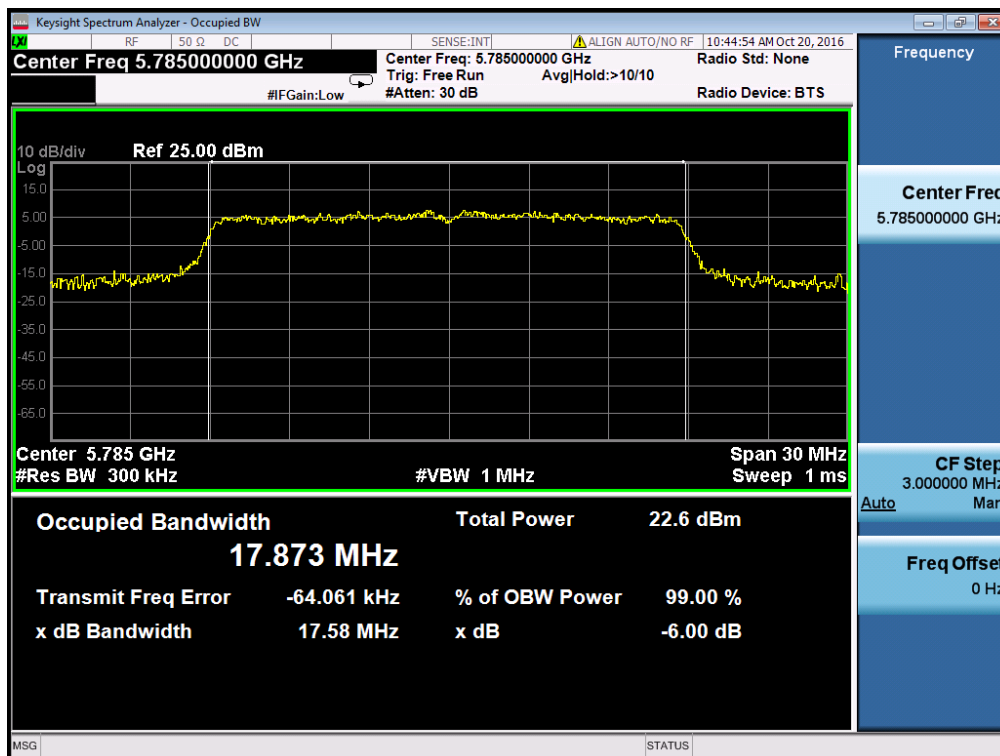
Antenna 1 - 802.11n-HT20 - 6dB Bandwidth- 5745MHz



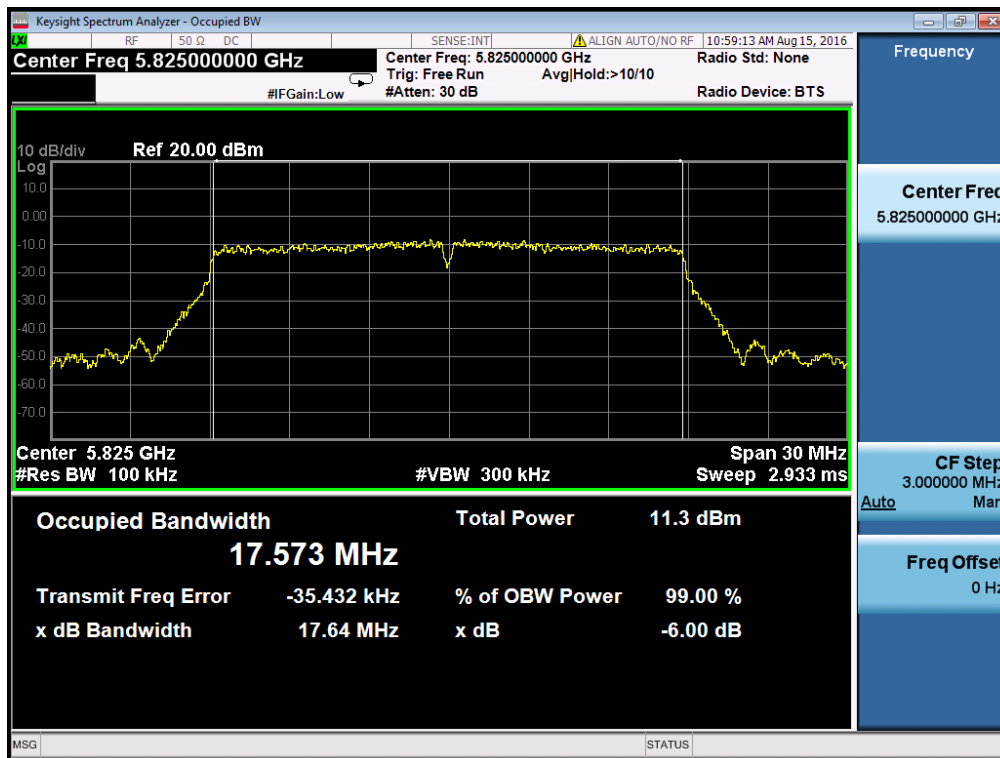
Antenna 1 - 802.11n-HT20 - 99% Bandwidth- 5745MHz



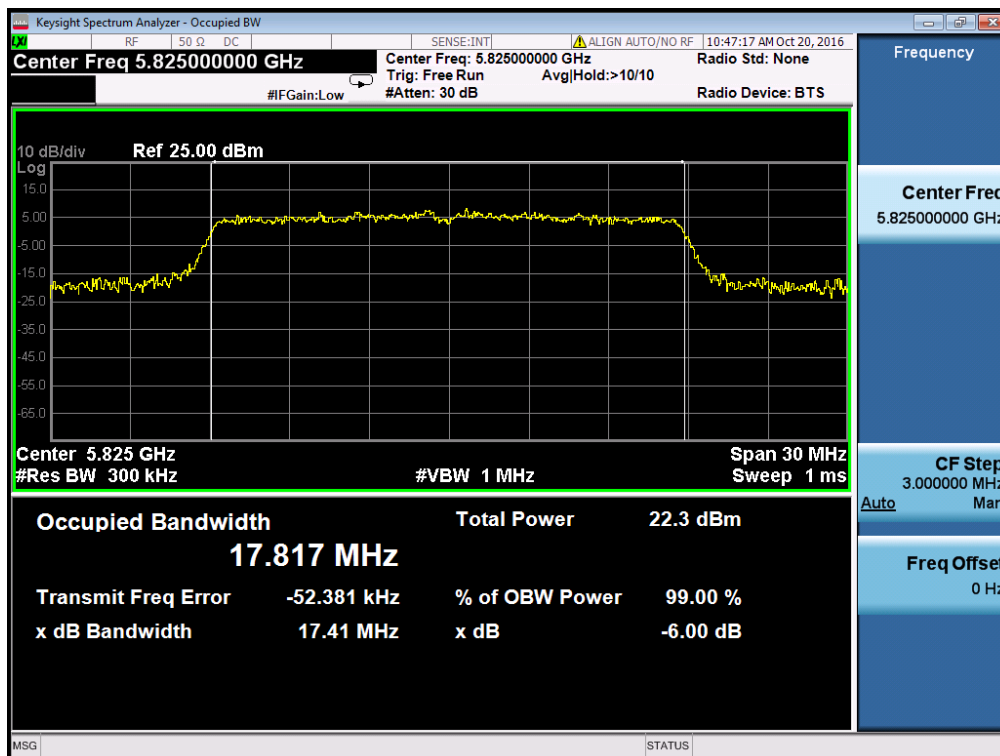
Antenna 1 - 802.11n-HT20 - 6dB Bandwidth- 5785MHz



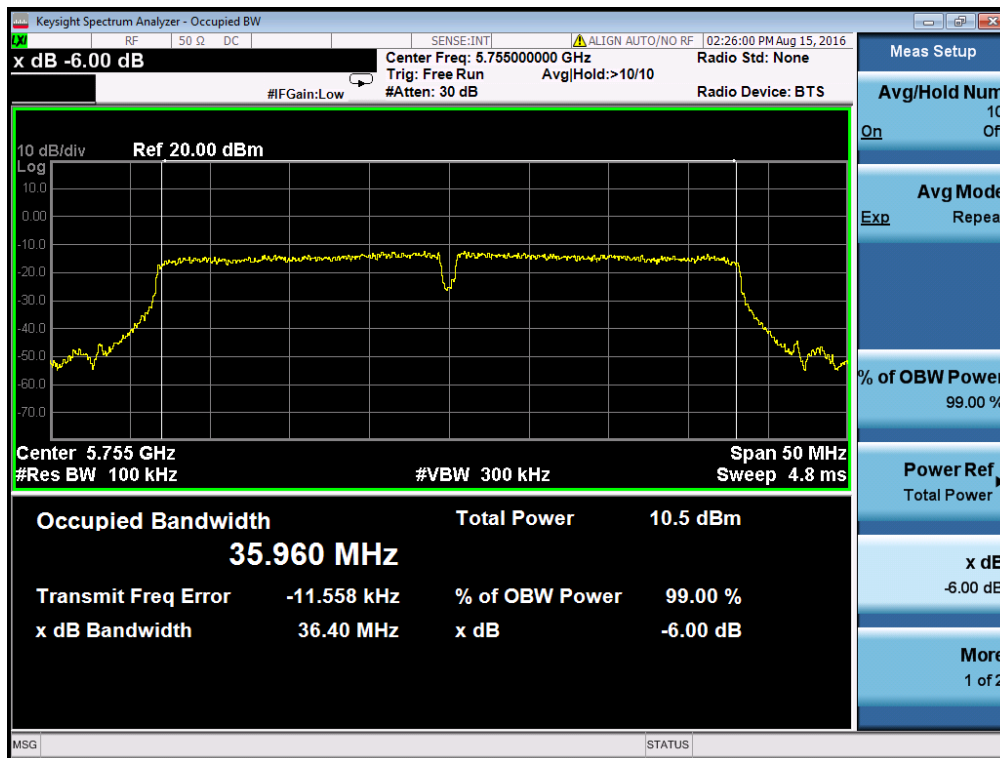
Antenna 1 - 802.11n-HT20 - 99% Bandwidth- 5785MHz



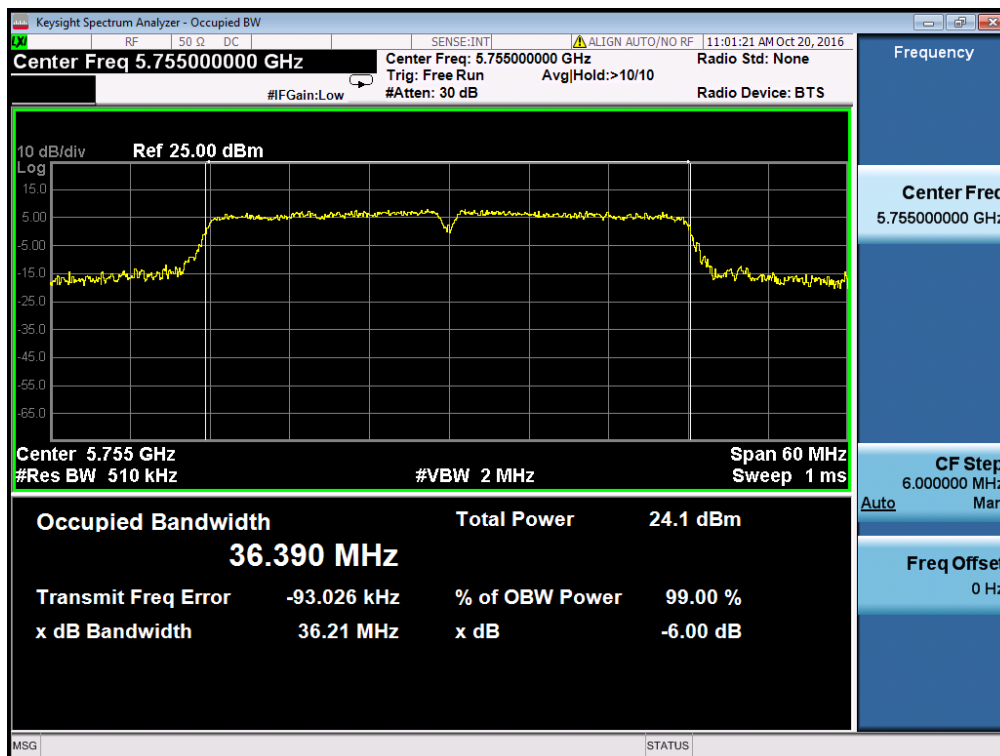
Antenna 1 - 802.11n-HT20 - 6dB Bandwidth– 5825MHz



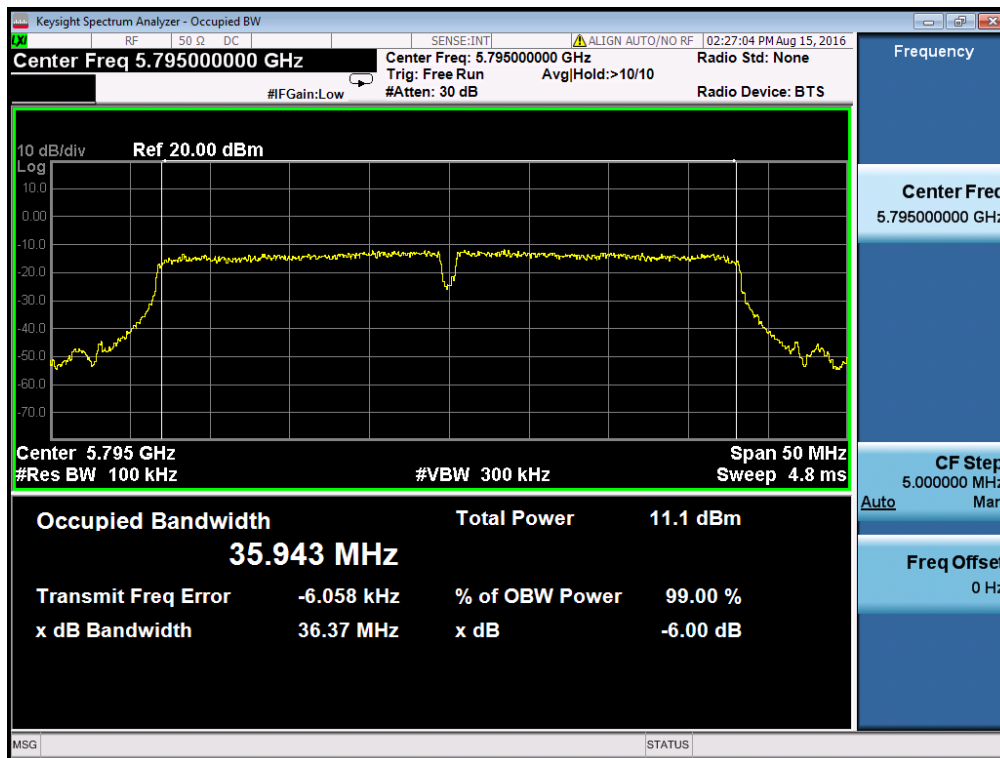
Antenna 1 - 802.11n-HT20 – 99% Bandwidth– 5825MHz



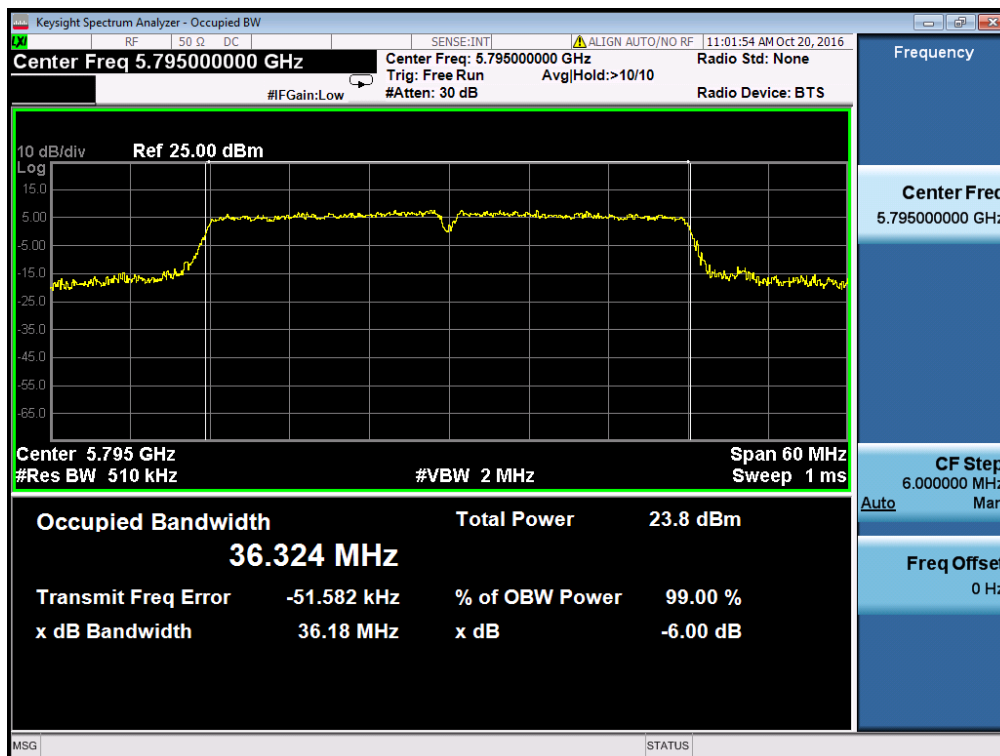
Antenna 1 - 802.11n-HT40 - 6dB Bandwidth- 5755MHz



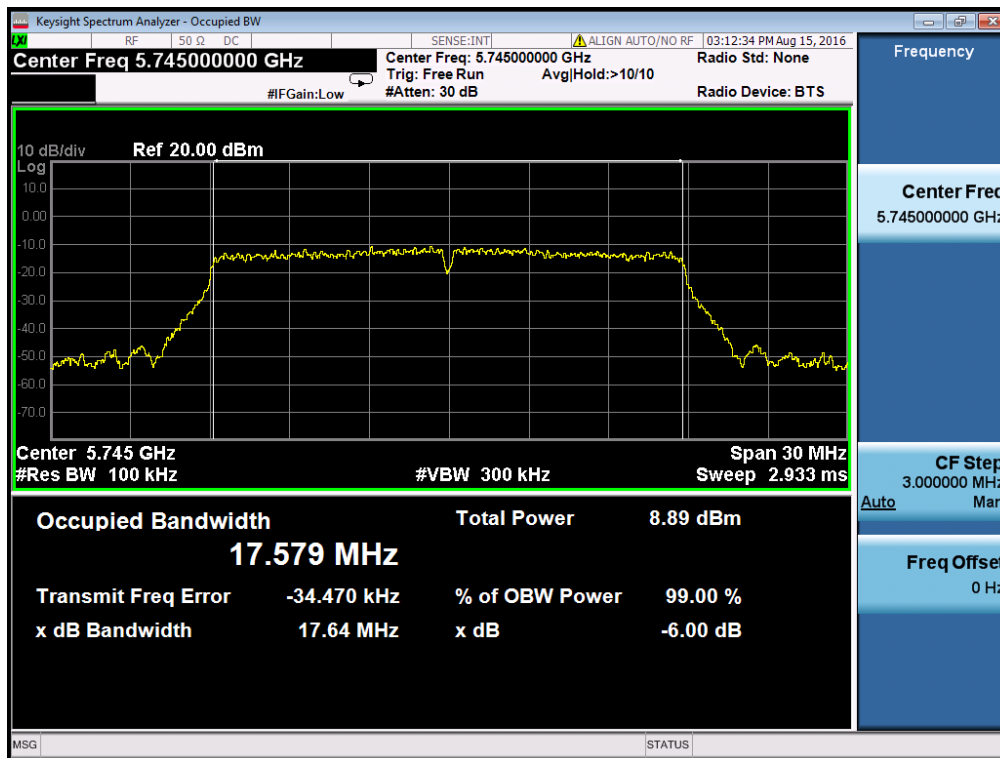
Antenna 1 - 802.11n-HT40 - 99% Bandwidth- 5755MHz



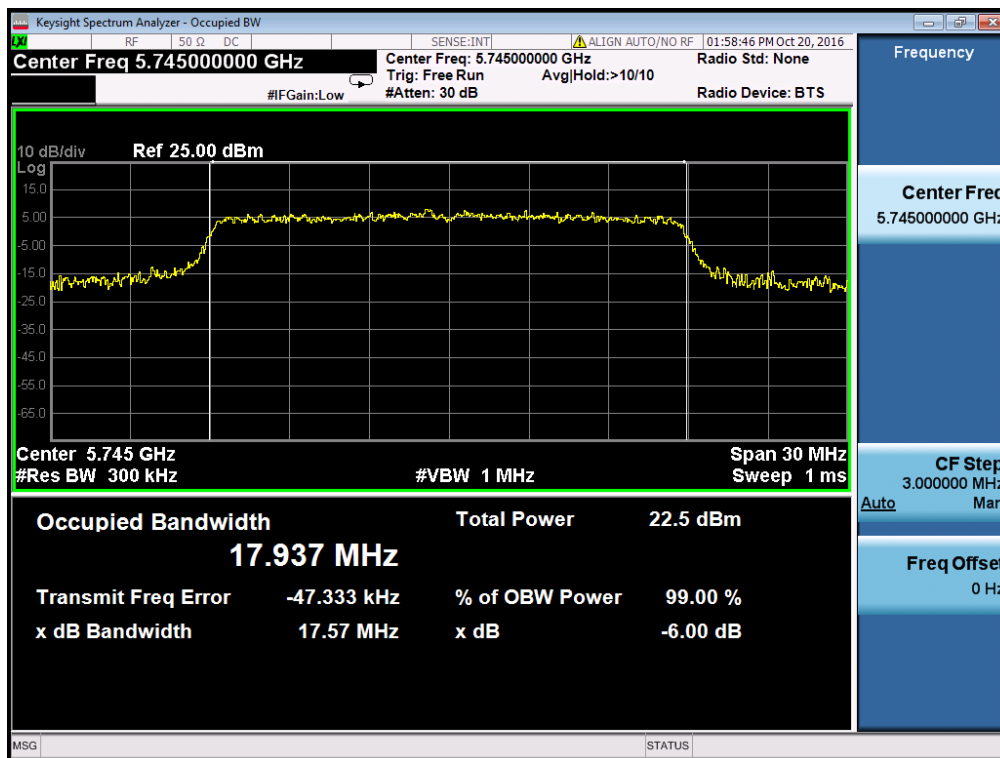
Antenna 1 - 802.11n-HT40 - 6dB Bandwidth- 5795MHz



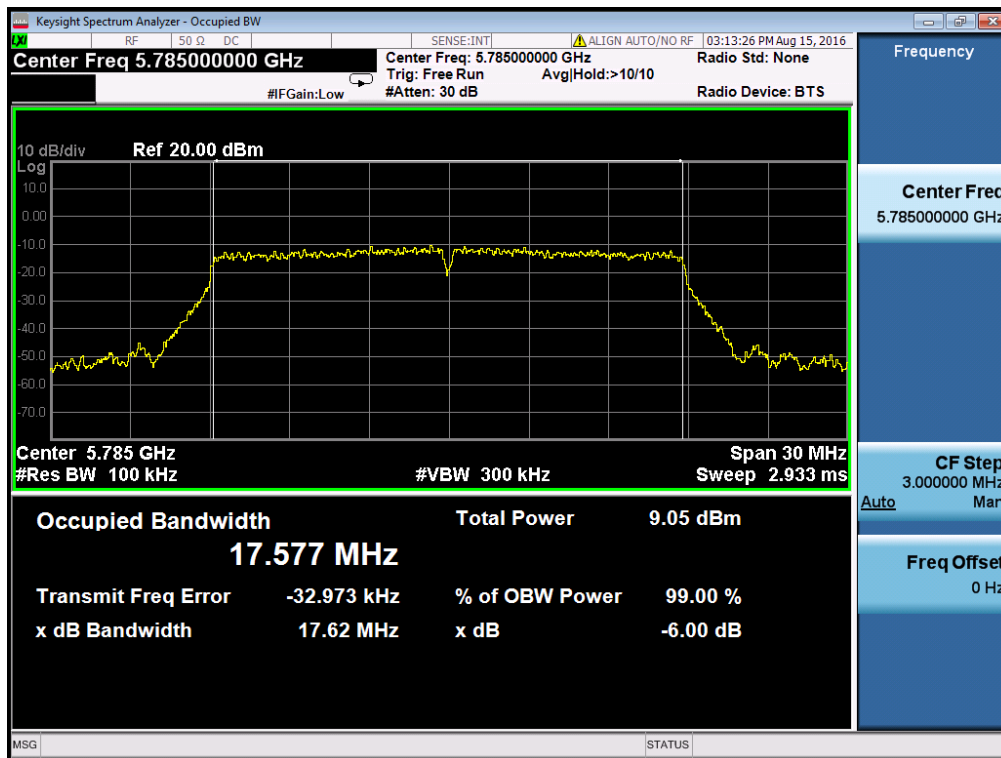
Antenna 1 - 802.11n-HT40 - 99% Bandwidth- 5795MHz



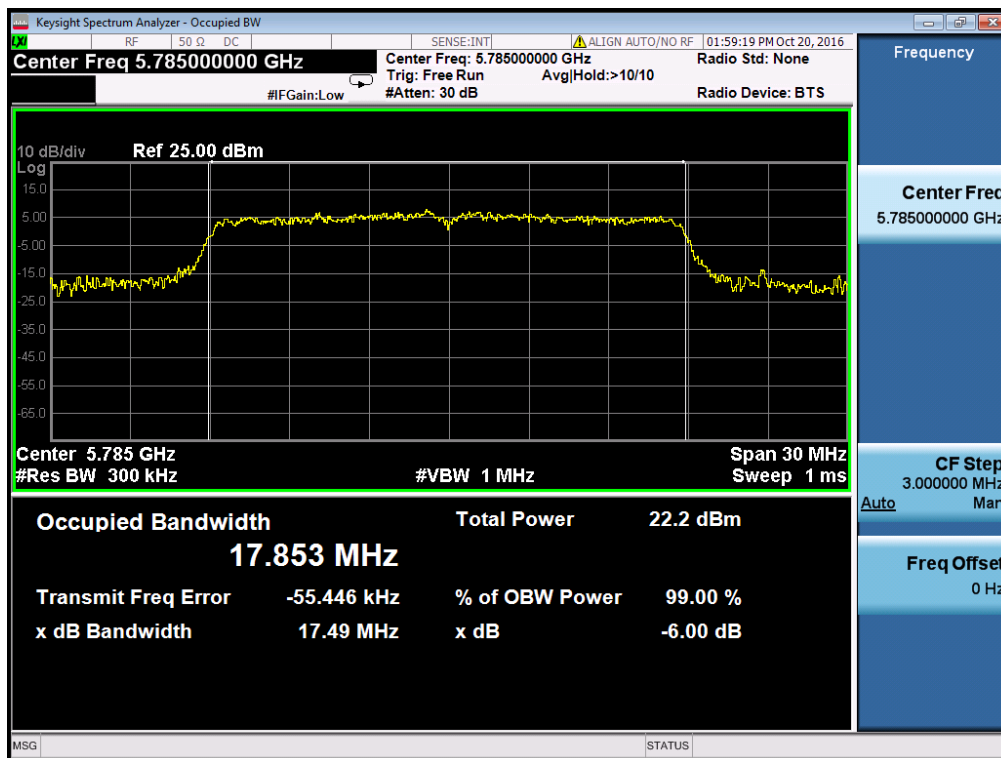
Antenna 1 - 802.11ac-VHT20 - 6dB Bandwidth– 5745MHz



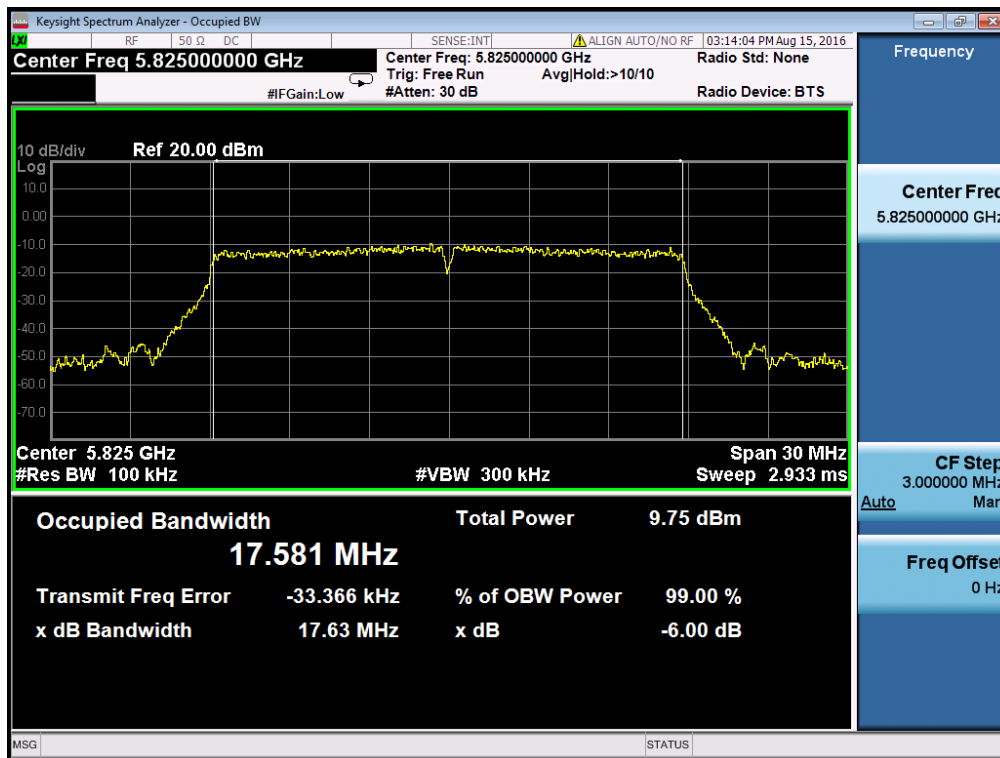
Antenna 1 - 802.11ac-VHT20 – 99% Bandwidth– 5745MHz



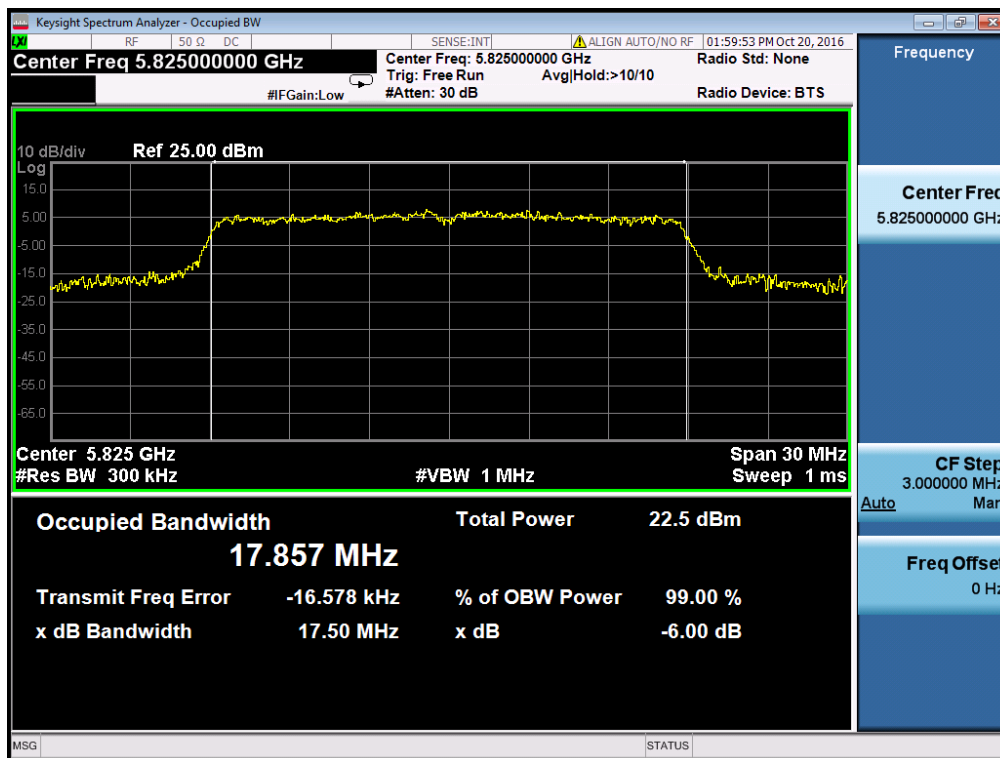
Antenna 1 - 802.11ac-VHT20 - 6dB Bandwidth- 5785MHz



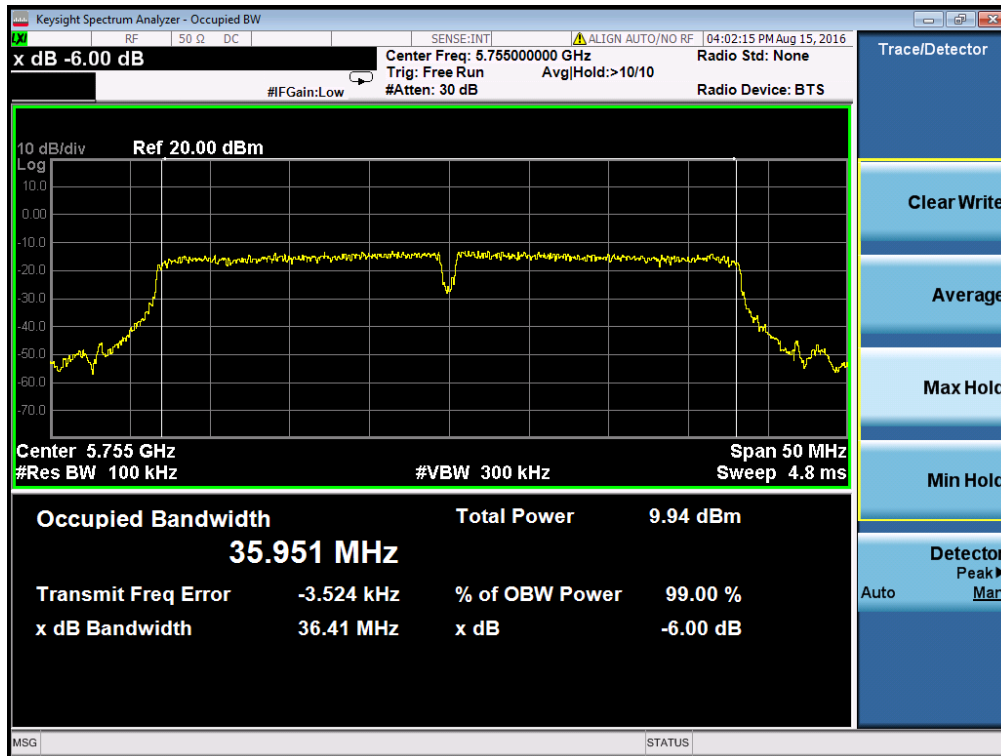
Antenna 1 - 802.11ac-VHT20 - 99% Bandwidth- 5785MHz



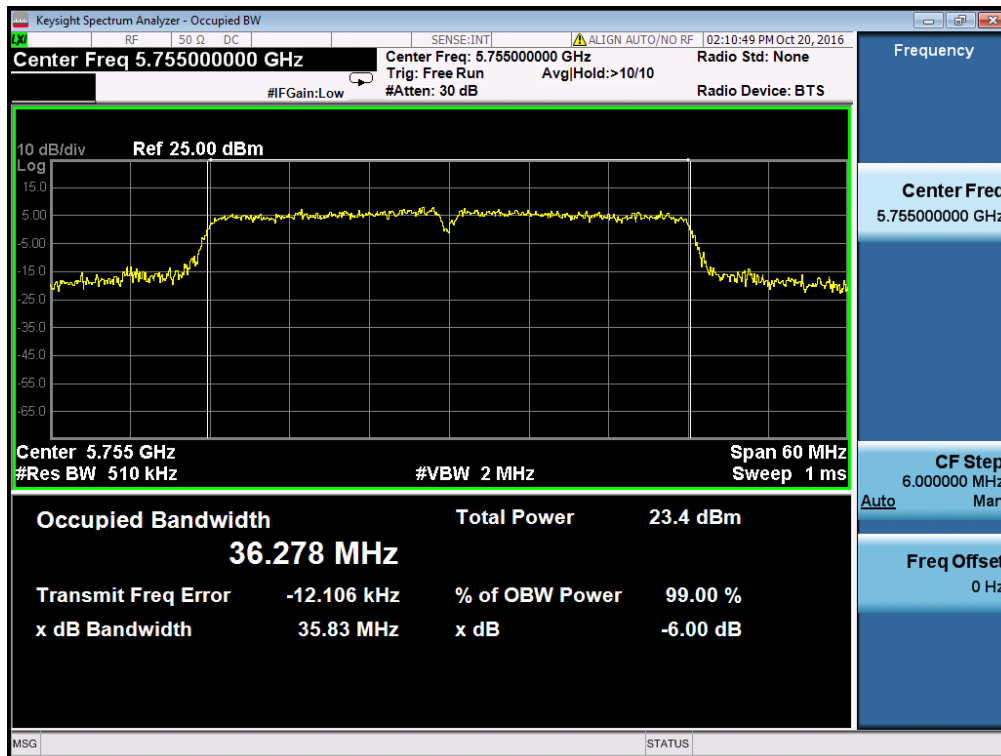
Antenna 1 - 802.11ac-VHT20 - 6dB Bandwidth– 5825MHz



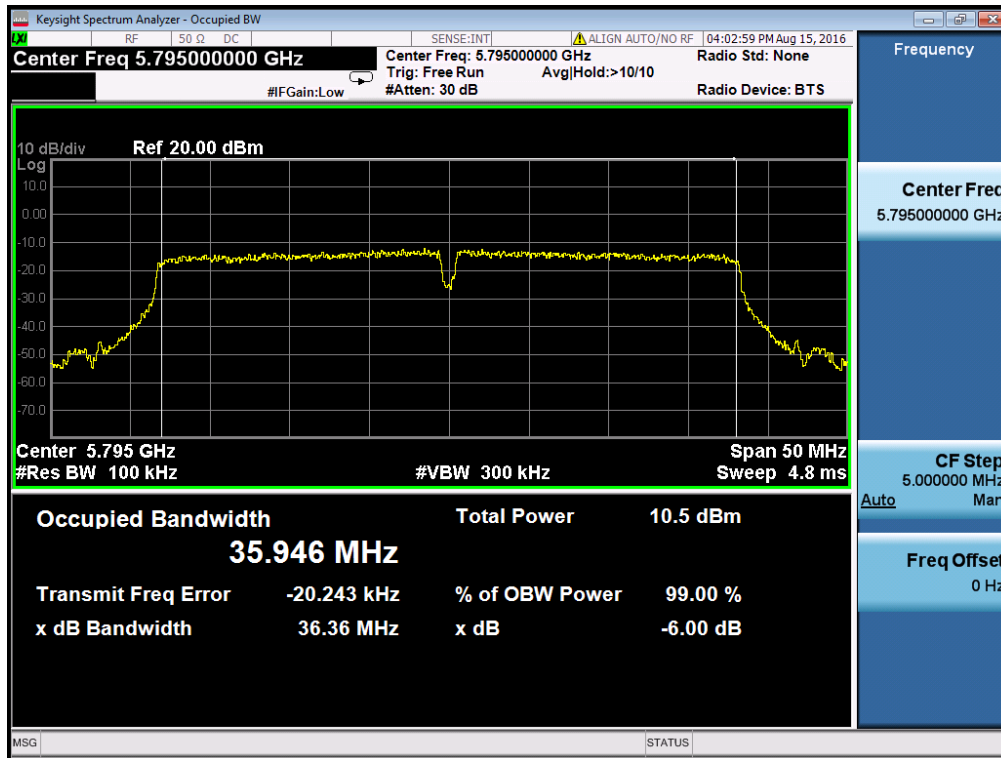
Antenna 1 - 802.11ac-VHT20 – 99% Bandwidth– 5825MHz



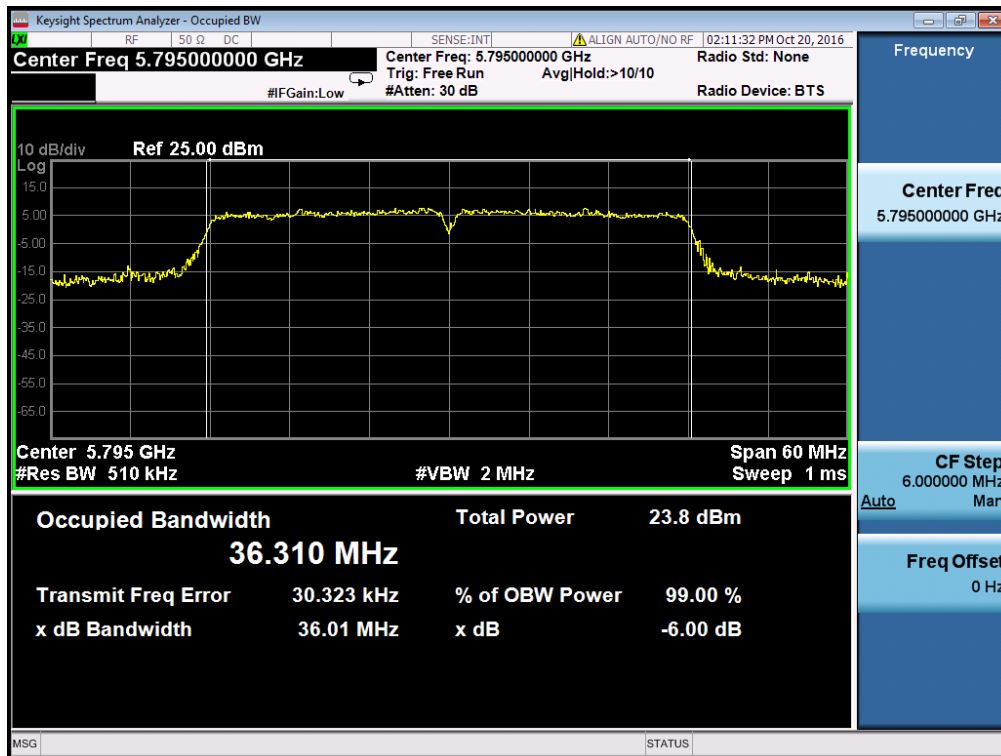
Antenna 1 - 802.11ac-VHT40 - 6dB Bandwidth– 5755MHz



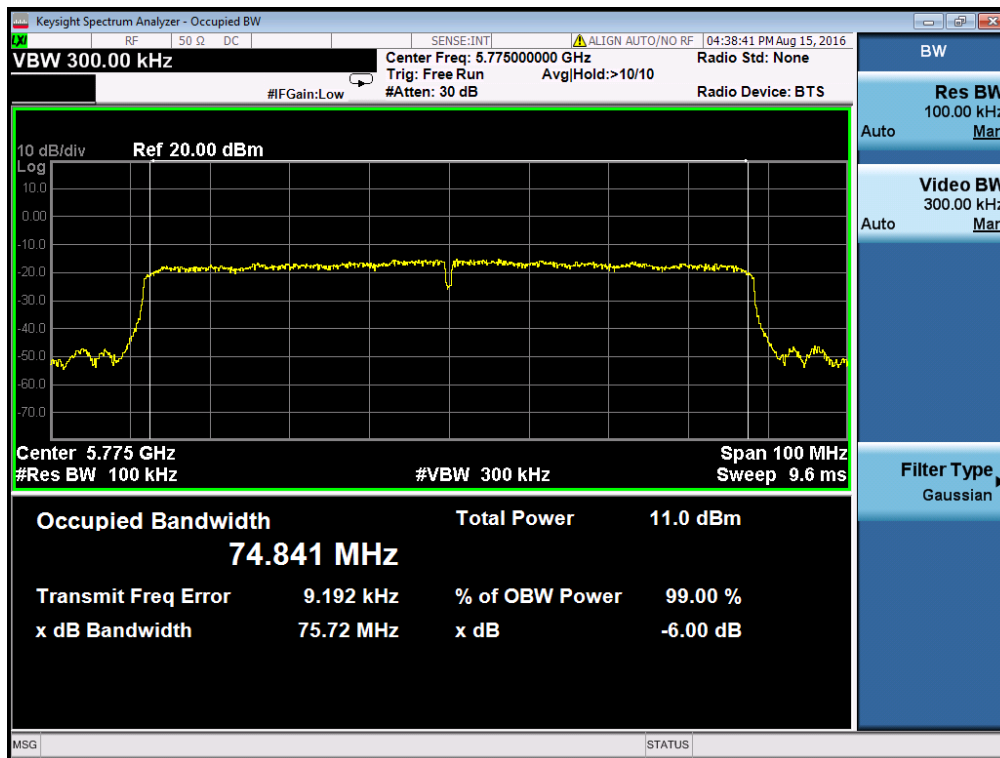
Antenna 1 - 802.11ac-VHT40 – 99% Bandwidth– 5755MHz



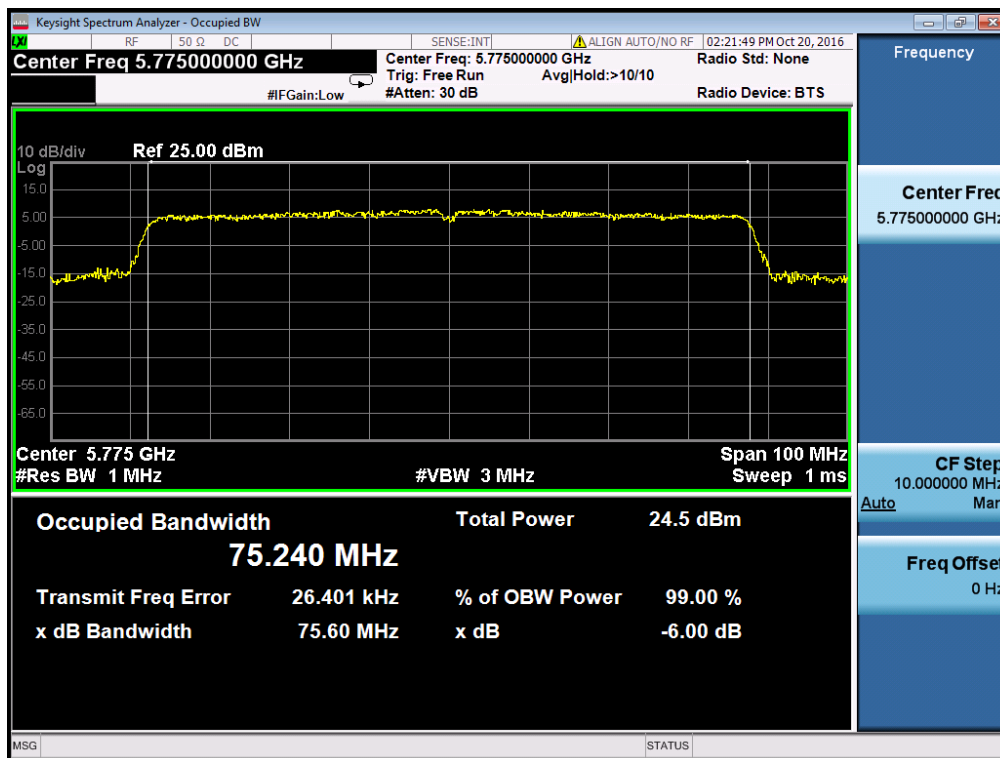
Antenna 1 - 802.11ac-VHT40 - 6dB Bandwidth– 5795MHz



Antenna 1 - 802.11ac-VHT40 – 99% Bandwidth– 5795MHz



Antenna 1 - 802.11ac-VHT80 - 6dB Bandwidth– 5775MHz



Antenna 1 - 802.11ac-VHT80 – 99% Bandwidth– 5775MHz

## 2.4. Power spectral density (PSD)

### 2.4.1. Limit of Power Spectral Density

FCC 15.407(a)

The maximum power spectral density should not exceed:

| Band     | EUT Category                                                          | Limit        |
|----------|-----------------------------------------------------------------------|--------------|
| U-NII-1  | <input type="checkbox"/> Access Point (Master device)                 | 17 dBm/MHz   |
|          | <input type="checkbox"/> Fixed point-to-point Access device           |              |
|          | <input checked="" type="checkbox"/> Mobile and portable client device | 11 dBm/MHz   |
| U-NII-2A | <input checked="" type="checkbox"/>                                   | 11 dBm/MHz   |
| U-NII-2C | <input checked="" type="checkbox"/>                                   | 11 dBm/MHz   |
| U-NII-3  | <input checked="" type="checkbox"/>                                   | 30dBm/500kHz |

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The maximum power spectral density should not exceed:

| Band     | EUT Category                        | Limit         |
|----------|-------------------------------------|---------------|
| U-NII-1  | <input checked="" type="checkbox"/> | N/A           |
| U-NII-2A | <input checked="" type="checkbox"/> | 11 dBm/MHz    |
| U-NII-2C | <input checked="" type="checkbox"/> | 11 dBm/MHz    |
| U-NII-3  | <input checked="" type="checkbox"/> | 30 dBm/500kHz |

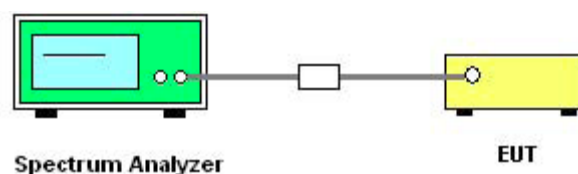
The e.i.r.p. spectral density should not exceed:

| Band     | EUT Category                        | Limit      |
|----------|-------------------------------------|------------|
| U-NII-1  | <input checked="" type="checkbox"/> | 10 dBm/MHz |
| U-NII-2A | <input checked="" type="checkbox"/> | N/A        |
| U-NII-2C | <input checked="" type="checkbox"/> | N/A        |
| U-NII-3  | <input checked="" type="checkbox"/> | N/A        |

### 2.4.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

### 2.4.3. Test Setup



### 2.4.4. Test Procedures

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port

to Spectrum.

**4. For U-NII-1, U-NII-2A, U-NII-2C Band:**

Using method SA-2

Set RBW=1MHz, VBW=3MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto (601 pts), detector = sample, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)

**For U-NII-3 Band:**

Set RBW=500 kHz,  $VBW \geq 3RBW$ , where span is enough to capture the entire bandwidth, Sweep time = Auto, detector = sample, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)

5. Use the cursor on spectrum to peak search the highest level of trace

6. Record the max. Reading and add  $10 \log (1/\text{duty cycle})$ .

7. Scale the observed power level to an equivalent value in 500 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where

$$BWCF = 10 \log (500 \text{ kHz} / 300 \text{ kHz}) = 2.22$$

8. Repeat above procedures until all default test channel (low, middle, and high) was complete.

## 2.4.5. Test Results of Power spectral density

### Conducted PSD Test results of band U-NII-1 (5150~5250MHz)

| 802.11a mode            |                                  |           |                        |                        |        |
|-------------------------|----------------------------------|-----------|------------------------|------------------------|--------|
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           | FCC Limit<br>(dBm/MHz) | Result                 |        |
|                         | Antenna 0                        | Antenna 1 |                        |                        |        |
| 5180                    | 7.536                            | 7.380     | 11                     | PASS                   |        |
| 5220                    | 7.707                            | 7.427     | 11                     | PASS                   |        |
| 5240                    | 7.316                            | 7.550     | 11                     | PASS                   |        |
| 802.11n-HT20 mode       |                                  |           |                        |                        |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                        | FCC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                  |                        |        |
| 5180                    | 7.139                            | 6.418     | 9.80                   | 11                     | PASS   |
| 5220                    | 7.023                            | 6.620     | 9.84                   | 11                     | PASS   |
| 5240                    | 6.531                            | 6.836     | 9.70                   | 11                     | PASS   |
| 802.11n-HT40 mode       |                                  |           |                        |                        |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                        | FCC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                  |                        |        |
| 5190                    | 4.628                            | 4.595     | 7.62                   | 11                     | PASS   |
| 5230                    | 4.607                            | 4.368     | 7.50                   | 11                     | PASS   |
| 802.11ac-VHT20 mode     |                                  |           |                        |                        |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                        | FCC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                  |                        |        |
| 5180                    | 6.544                            | 6.552     | 9.56                   | 11                     | PASS   |
| 5220                    | 6.866                            | 7.034     | 9.96                   | 11                     | PASS   |
| 5240                    | 6.776                            | 6.657     | 9.73                   | 11                     | PASS   |
| 802.11ac-VHT40 mode     |                                  |           |                        |                        |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                        | FCC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                  |                        |        |
| 5190                    | 5.416                            | 4.471     | 7.98                   | 11                     | PASS   |
| 5230                    | 4.829                            | 4.400     | 7.63                   | 11                     | PASS   |
| 802.11n-VHT80 mode      |                                  |           |                        |                        |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                        | FCC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                  |                        |        |
| 5210                    | 1.384                            | 1.670     | 4.54                   | 11                     | PASS   |

**Conducted PSD Test results of band U-NII-2A (5250~5350MHz)**

| 802.11a mode            |                                  |           |                           |                           |        |
|-------------------------|----------------------------------|-----------|---------------------------|---------------------------|--------|
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           | FCC/IC Limit<br>(dBm/MHz) | Result                    |        |
|                         | Antenna 0                        | Antenna 1 |                           |                           |        |
| 5260                    | 7.386                            | 7.776     | 11                        | PASS                      |        |
| 5300                    | 7.611                            | 7.436     | 11                        | PASS                      |        |
| 5320                    | 7.615                            | 7.675     | 11                        | PASS                      |        |
| 802.11n-HT20 mode       |                                  |           |                           |                           |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                           | FCC/IC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                     |                           |        |
| 5260                    | 7.734                            | 7.022     | 10.40                     | 11                        | PASS   |
| 5300                    | 7.275                            | 7.390     | 10.34                     | 11                        | PASS   |
| 5320                    | 7.369                            | 7.268     | 10.33                     | 11                        | PASS   |
| 802.11n-HT40 mode       |                                  |           |                           |                           |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                           | FCC/IC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                     |                           |        |
| 5270                    | 4.968                            | 5.052     | 8.02                      | 11                        | PASS   |
| 5310                    | 4.923                            | 4.907     | 7.93                      | 11                        | PASS   |
| 802.11ac-VHT20 mode     |                                  |           |                           |                           |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                           | FCC/IC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                     |                           |        |
| 5260                    | 7.419                            | 7.394     | 10.42                     | 11                        | PASS   |
| 5300                    | 7.589                            | 7.218     | 10.42                     | 11                        | PASS   |
| 5320                    | 7.452                            | 7.062     | 10.27                     | 11                        | PASS   |
| 802.11ac-VHT40 mode     |                                  |           |                           |                           |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                           | FCC/IC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                     |                           |        |
| 5270                    | 4.855                            | 4.957     | 7.92                      | 11                        | PASS   |
| 5310                    | 4.995                            | 4.928     | 7.97                      | 11                        | PASS   |
| 802.11n-VHT80 mode      |                                  |           |                           |                           |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                           | FCC/IC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                     |                           |        |
| 5290                    | 1.690                            | 1.574     | 4.64                      | 11                        | PASS   |

**Conducted PSD Test results of band U-NII-2C (5470~5725MHz)**

| 802.11a mode            |                                  |           |                           |                           |        |
|-------------------------|----------------------------------|-----------|---------------------------|---------------------------|--------|
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           | FCC/IC Limit<br>(dBm/MHz) | Result                    |        |
|                         | Antenna 0                        | Antenna 1 |                           |                           |        |
| 5500                    | 7.258                            | 7.508     | 11                        | PASS                      |        |
| 5580                    | 7.243                            | 7.465     | 11                        | PASS                      |        |
| 5700                    | 7.607                            | 7.089     | 11                        | PASS                      |        |
| 802.11n-HT20 mode       |                                  |           |                           |                           |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                           | FCC/IC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                     |                           |        |
| 5500                    | 7.000                            | 7.446     | 10.24                     | 11                        | PASS   |
| 5580                    | 7.190                            | 7.598     | 10.41                     | 11                        | PASS   |
| 5700                    | 7.401                            | 7.371     | 10.40                     | 11                        | PASS   |
| 802.11n-HT40 mode       |                                  |           |                           |                           |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                           | FCC/IC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                     |                           |        |
| 5510                    | 7.778                            | 7.401     | 10.60                     | 11                        | PASS   |
| 5670                    | 7.629                            | 7.565     | 10.61                     | 11                        | PASS   |
| 802.11ac-VHT20 mode     |                                  |           |                           |                           |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                           | FCC/IC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                     |                           |        |
| 5500                    | 7.192                            | 7.520     | 10.37                     | 11                        | PASS   |
| 5580                    | 7.587                            | 7.496     | 10.55                     | 11                        | PASS   |
| 5700                    | 7.680                            | 7.305     | 10.51                     | 11                        | PASS   |
| 802.11ac-VHT40 mode     |                                  |           |                           |                           |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                           | FCC/IC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                     |                           |        |
| 5510                    | 7.348                            | 6.967     | 10.17                     | 11                        | PASS   |
| 5670                    | 7.310                            | 7.219     | 10.28                     | 11                        | PASS   |
| 802.11n-VHT80 mode      |                                  |           |                           |                           |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm)     |           |                           | FCC/IC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                     |                           |        |
| 5530                    | 5.764                            | 5.380     | 8.59                      | 11                        | PASS   |

**Conducted PSD Test results of band U-NII-3 (5725 ~ 5850 MHz)**

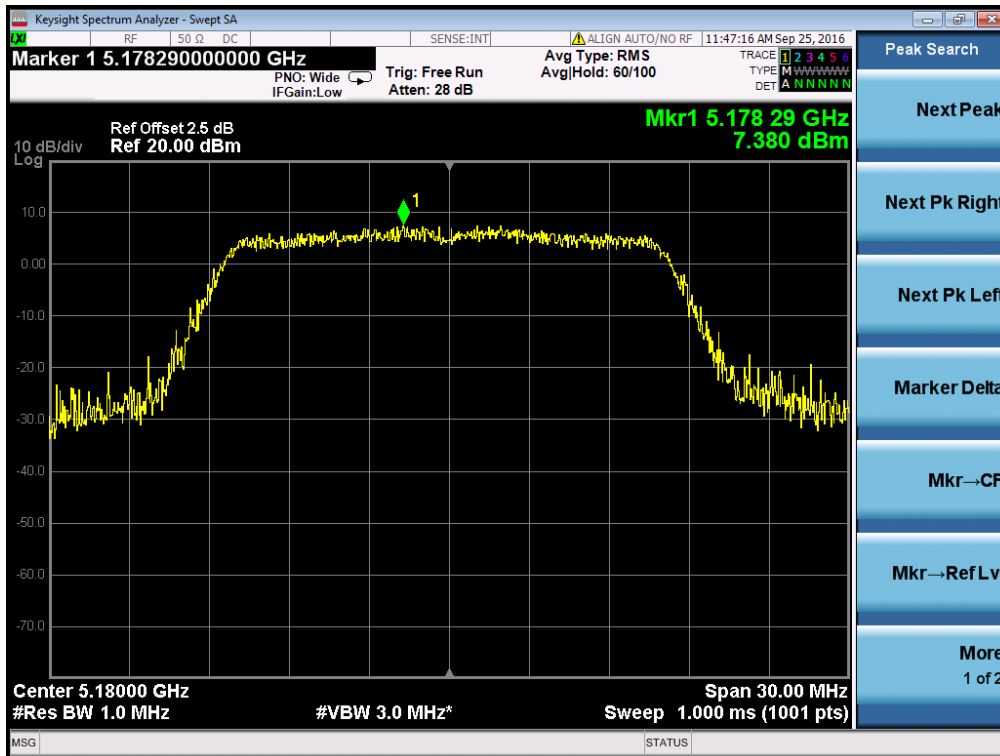
| 802.11a mode            |                                     |           |                              |                              |        |
|-------------------------|-------------------------------------|-----------|------------------------------|------------------------------|--------|
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/500kHz) |           | FCC/IC Limit<br>(dBm/500kHz) | Result                       |        |
|                         | Antenna 0                           | Antenna 1 |                              |                              |        |
| 5745                    | 11.502                              | 11.174    | 30                           | PASS                         |        |
| 5785                    | 11.409                              | 10.819    | 30                           | PASS                         |        |
| 5825                    | 11.655                              | 11.733    | 30                           | PASS                         |        |
| 802.11n-HT20 mode       |                                     |           |                              |                              |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/500kHz) |           |                              | FCC/IC Limit<br>(dBm/500kHz) | Result |
|                         | Antenna 0                           | Antenna 1 | Total                        |                              |        |
| 5745                    | 11.138                              | 10.776    | 13.97                        | 30                           | PASS   |
| 5785                    | 10.940                              | 10.936    | 13.95                        | 30                           | PASS   |
| 5825                    | 11.323                              | 10.751    | 14.06                        | 30                           | PASS   |
| 802.11n-HT40 mode       |                                     |           |                              |                              |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/500kHz) |           |                              | FCC/IC Limit<br>(dBm/500kHz) | Result |
|                         | Antenna 0                           | Antenna 1 | Total                        |                              |        |
| 5755                    | 8.962                               | 8.604     | 11.80                        | 30                           | PASS   |
| 5795                    | 8.895                               | 8.614     | 11.77                        | 30                           | PASS   |
| 802.11ac-VHT20 mode     |                                     |           |                              |                              |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/500kHz) |           |                              | FCC/IC Limit<br>(dBm/500kHz) | Result |
|                         | Antenna 0                           | Antenna 1 | Total                        |                              |        |
| 5745                    | 10.702                              | 10.717    | 13.72                        | 30                           | PASS   |
| 5785                    | 11.474                              | 10.864    | 14.19                        | 30                           | PASS   |
| 5825                    | 11.537                              | 11.186    | 14.38                        | 30                           | PASS   |
| 802.11ac-VHT40 mode     |                                     |           |                              |                              |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/500kHz) |           |                              | FCC/IC Limit<br>(dBm/500kHz) | Result |
|                         | Antenna 0                           | Antenna 1 | Total                        |                              |        |
| 5755                    | 8.916                               | 8.695     | 11.82                        | 30                           | PASS   |
| 5795                    | 8.874                               | 8.627     | 11.76                        | 30                           | PASS   |
| 802.11n-VHT80 mode      |                                     |           |                              |                              |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/500kHz) |           |                              | FCC/IC Limit<br>(dBm/500kHz) | Result |
|                         | Antenna 0                           | Antenna 1 | Total                        |                              |        |
| 5775                    | 5.147                               | 5.381     | 8.28                         | 30                           | PASS   |

**EIRP PSD Test results of band U-NII-1 (5150~5250MHz)**

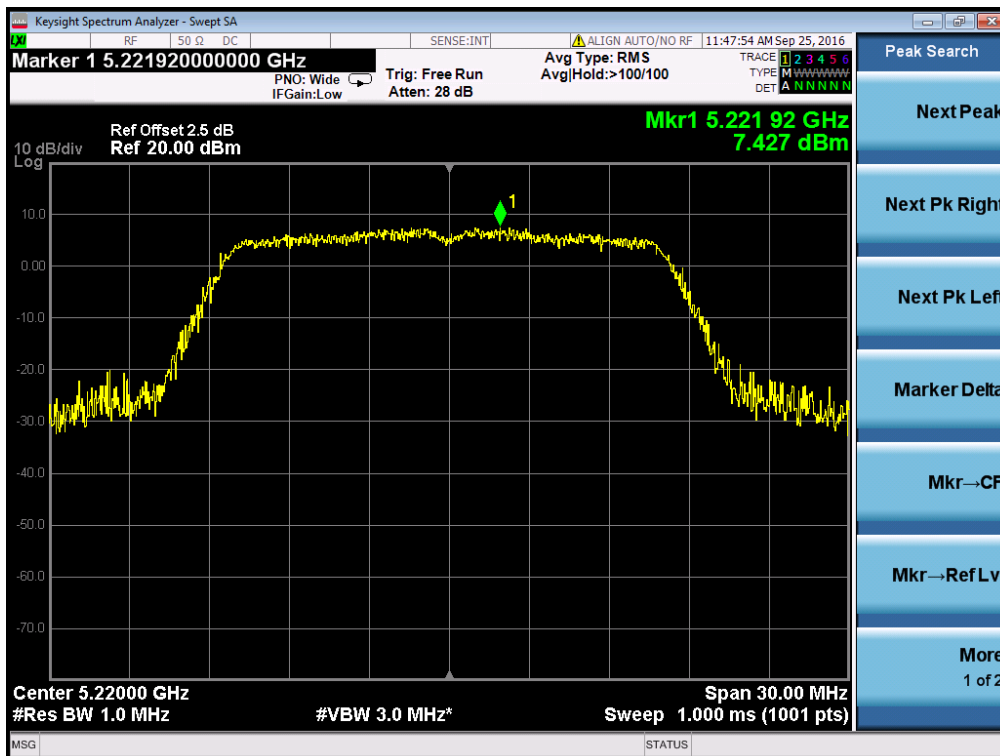
| 802.11a mode            |                                  |           |                       |                       |        |
|-------------------------|----------------------------------|-----------|-----------------------|-----------------------|--------|
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           | IC Limit<br>(dBm/MHz) | Result                |        |
|                         | Antenna 0                        | Antenna 1 |                       |                       |        |
| 5180                    | 4.63                             | 4.71      | 10                    | PASS                  |        |
| 5220                    | 4.93                             | 5.18      | 10                    | PASS                  |        |
| 5240                    | 5.16                             | 5.85      | 10                    | PASS                  |        |
| 802.11n-HT20 mode       |                                  |           |                       |                       |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                       | IC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                 |                       |        |
| 5180                    | 4.07                             | 4.24      | 7.17                  | 10                    | PASS   |
| 5220                    | 4.99                             | 5.06      | 8.04                  | 10                    | PASS   |
| 5240                    | 4.72                             | 4.52      | 7.63                  | 10                    | PASS   |
| 802.11n-HT40 mode       |                                  |           |                       |                       |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                       | IC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                 |                       |        |
| 5190                    | 3.86                             | 3.31      | 6.60                  | 10                    | PASS   |
| 5230                    | 3.30                             | 3.65      | 6.49                  | 10                    | PASS   |
| 802.11ac-VHT20 mode     |                                  |           |                       |                       |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                       | IC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                 |                       |        |
| 5180                    | 4.54                             | 4.16      | 7.36                  | 10                    | PASS   |
| 5220                    | 4.80                             | 4.77      | 7.80                  | 10                    | PASS   |
| 5240                    | 5.14                             | 5.60      | 8.39                  | 10                    | PASS   |
| 802.11ac-VHT40 mode     |                                  |           |                       |                       |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                       | IC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                 |                       |        |
| 5190                    | 2.94                             | 3.33      | 6.15                  | 10                    | PASS   |
| 5230                    | 3.07                             | 3.81      | 6.47                  | 10                    | PASS   |
| 802.11n-VHT80 mode      |                                  |           |                       |                       |        |
| Test Frequency<br>(MHz) | Power Spectral Density (dBm/MHz) |           |                       | IC Limit<br>(dBm/MHz) | Result |
|                         | Antenna 0                        | Antenna 1 | Total                 |                       |        |
| 5210                    | 3.16                             | 3.05      | 6.12                  | 10                    | PASS   |

## 2.4.6. Test Results (plots) of Power spectral density

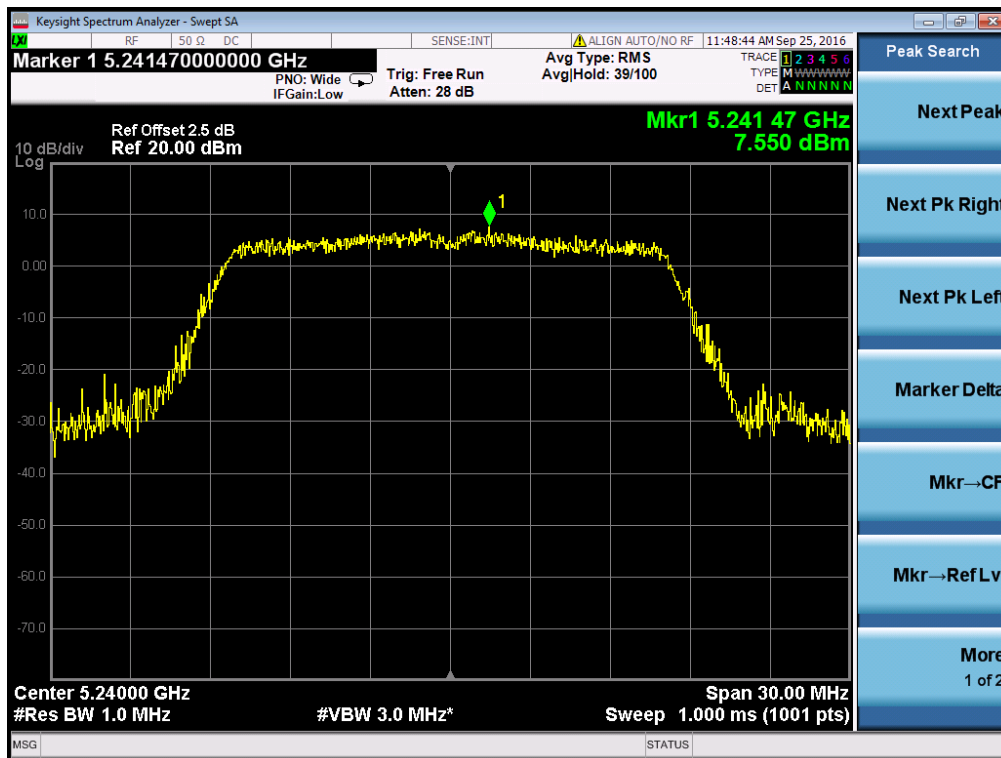
### Conducted PSD



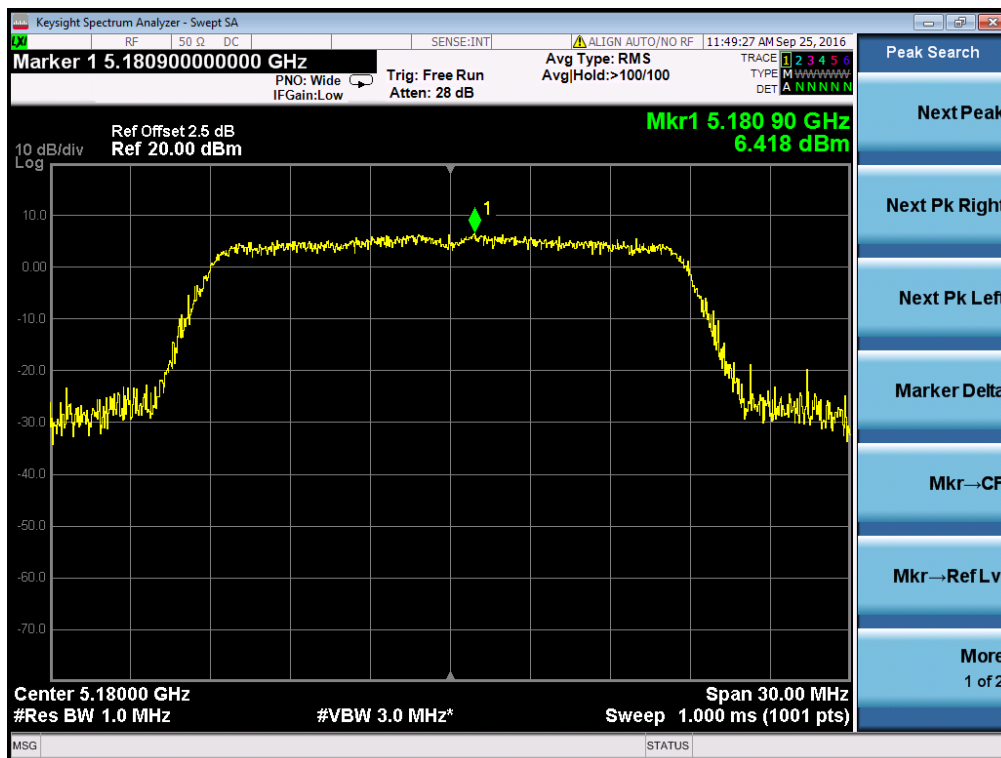
Antenna 0 - 802.11a – 5180MHz



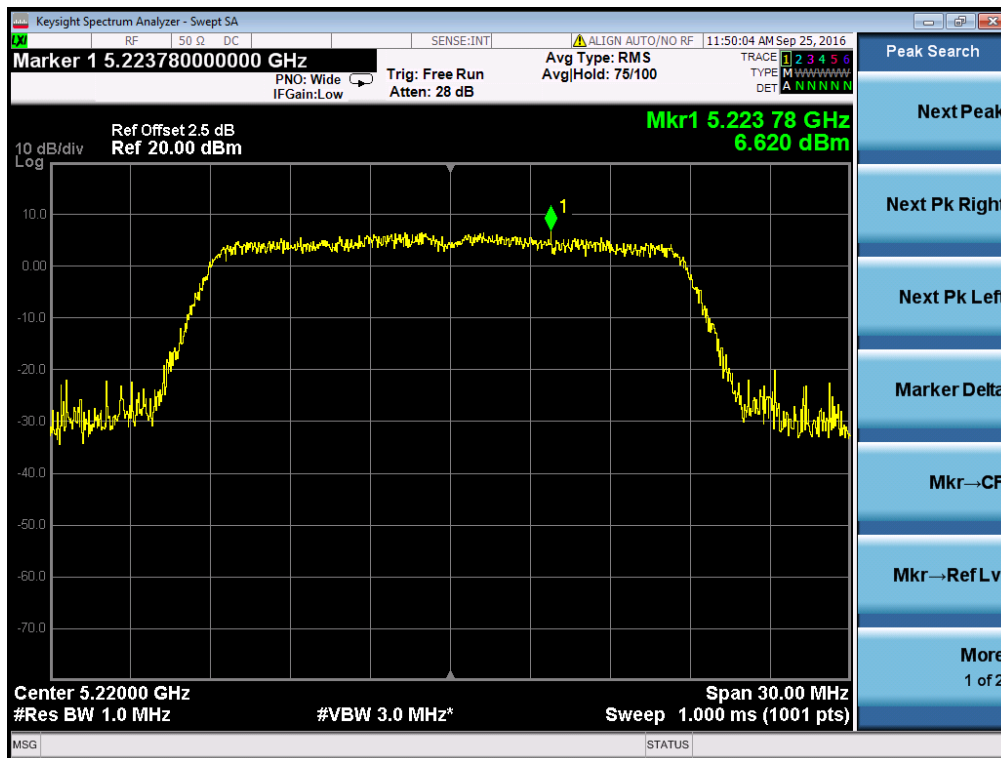
Antenna 0 - 802.11a – 5220MHz



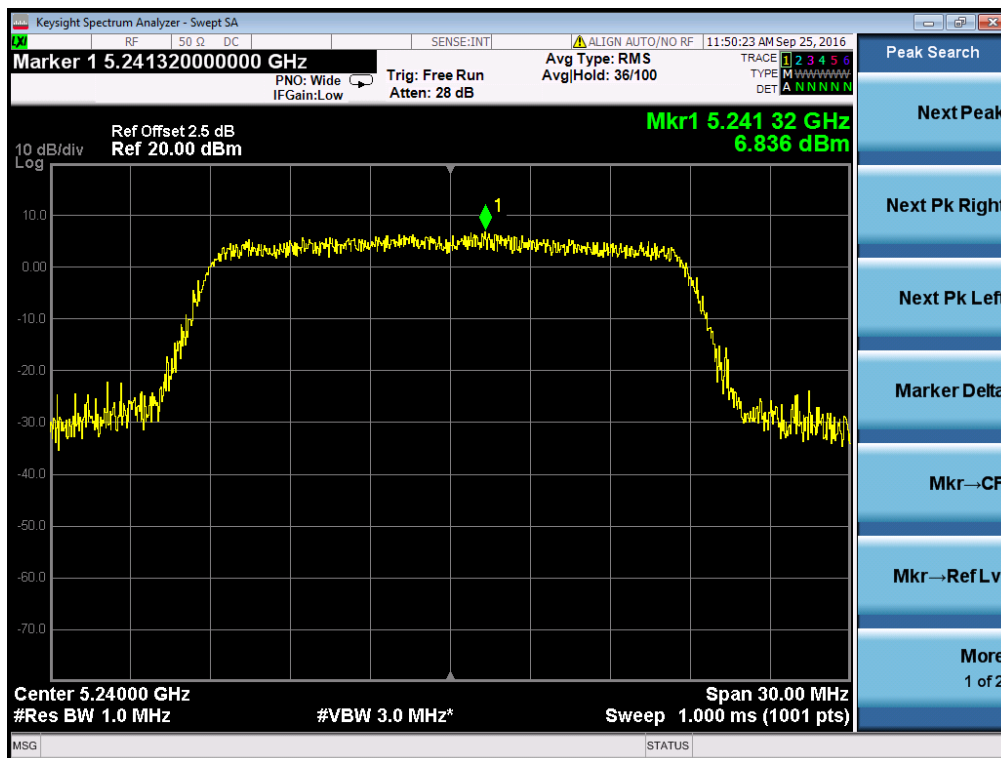
Antenna 0 - 802.11a – 5240MHz



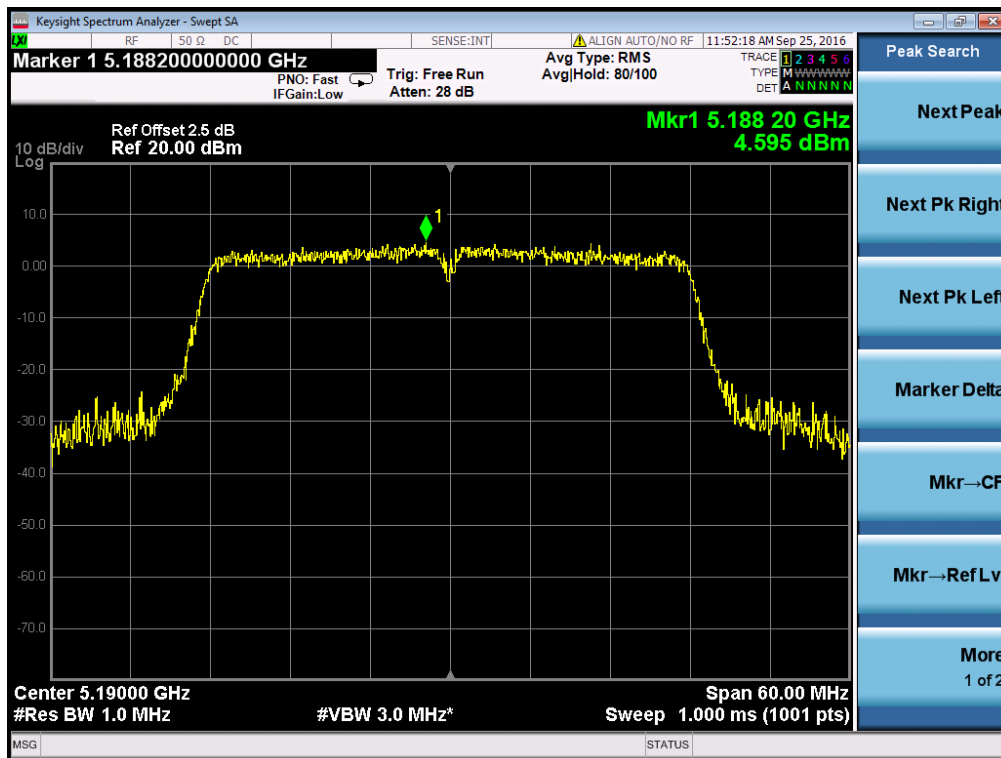
Antenna 0 - 802.11n-HT20 – 5180MHz



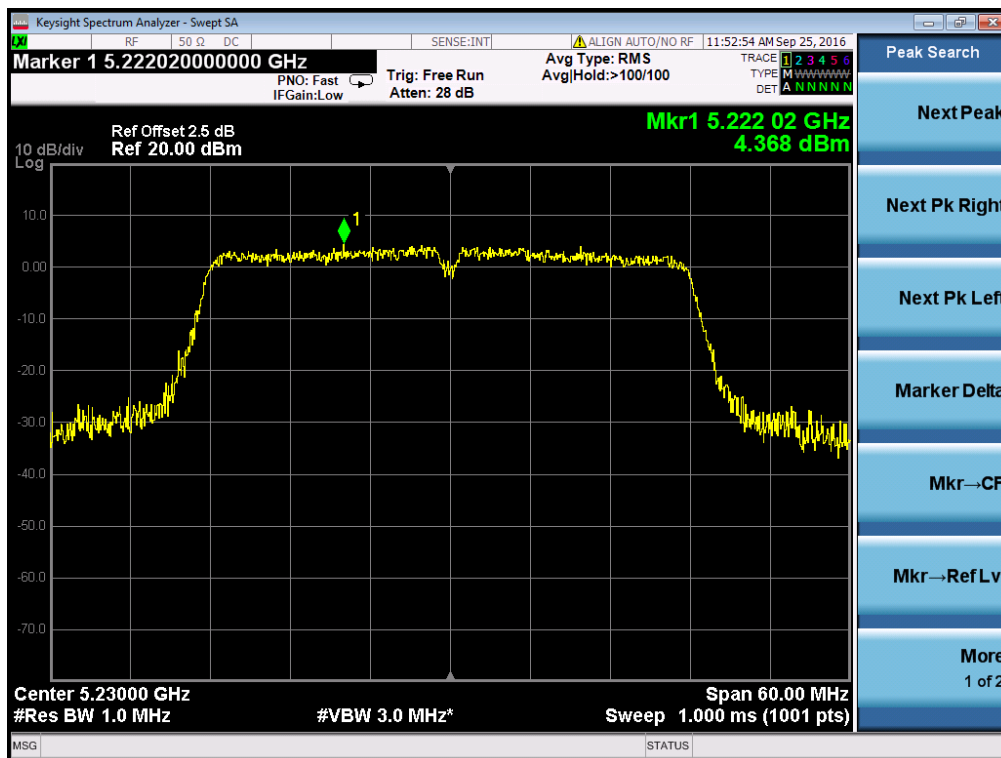
Antenna 0 - 802.11n-HT20 – 5220MHz



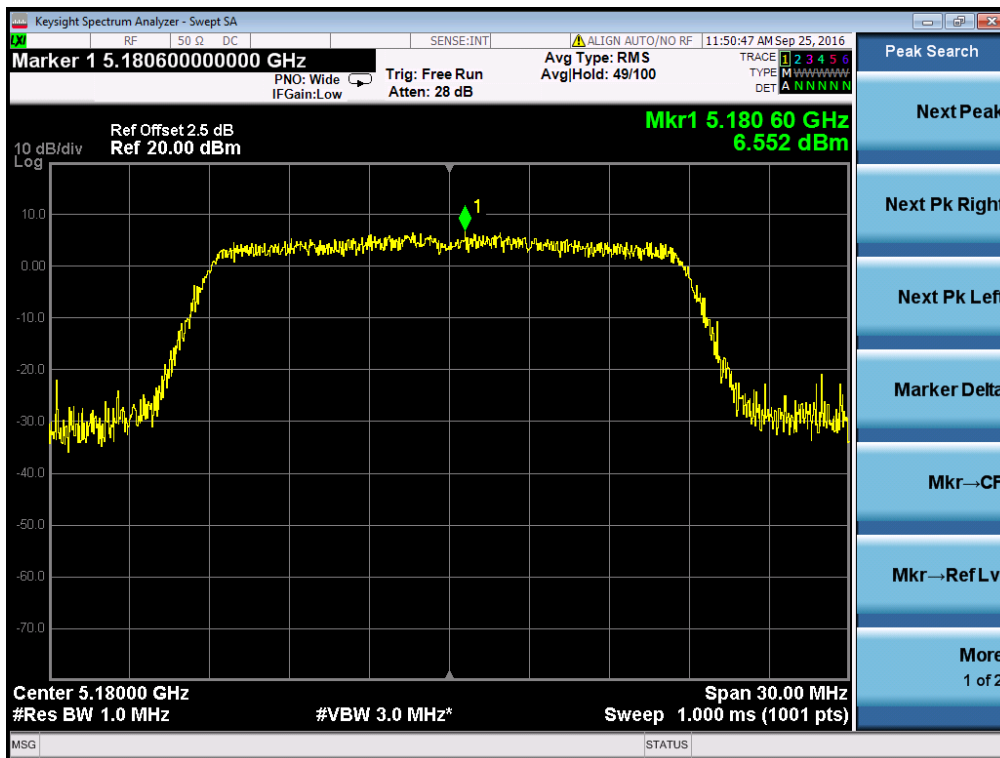
Antenna 0 - 802.11n-HT20 – 5240MHz



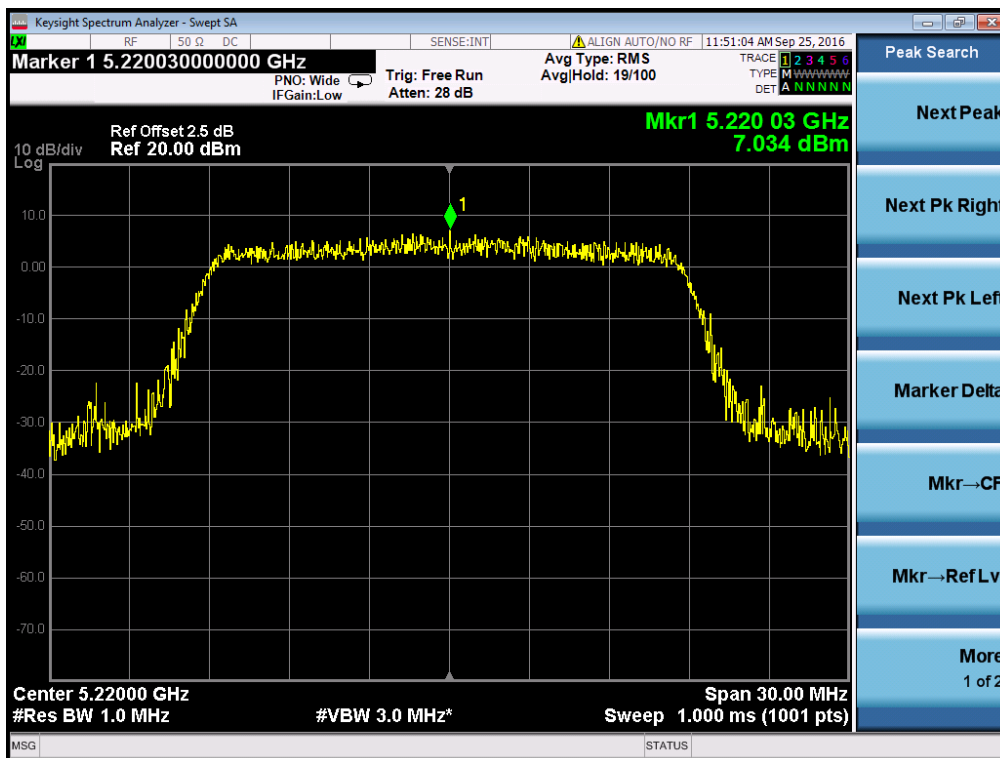
Antenna 0 - 802.11n-HT40 – 5190MHz



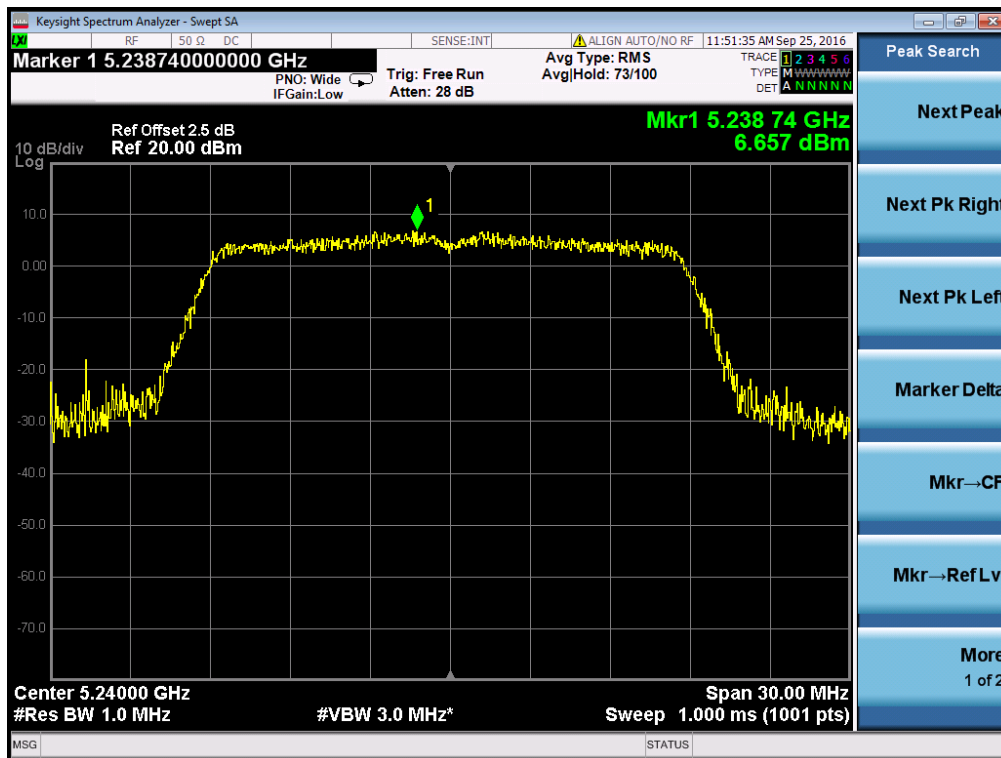
Antenna 0 - 802.11n-HT40 – 5230MHz



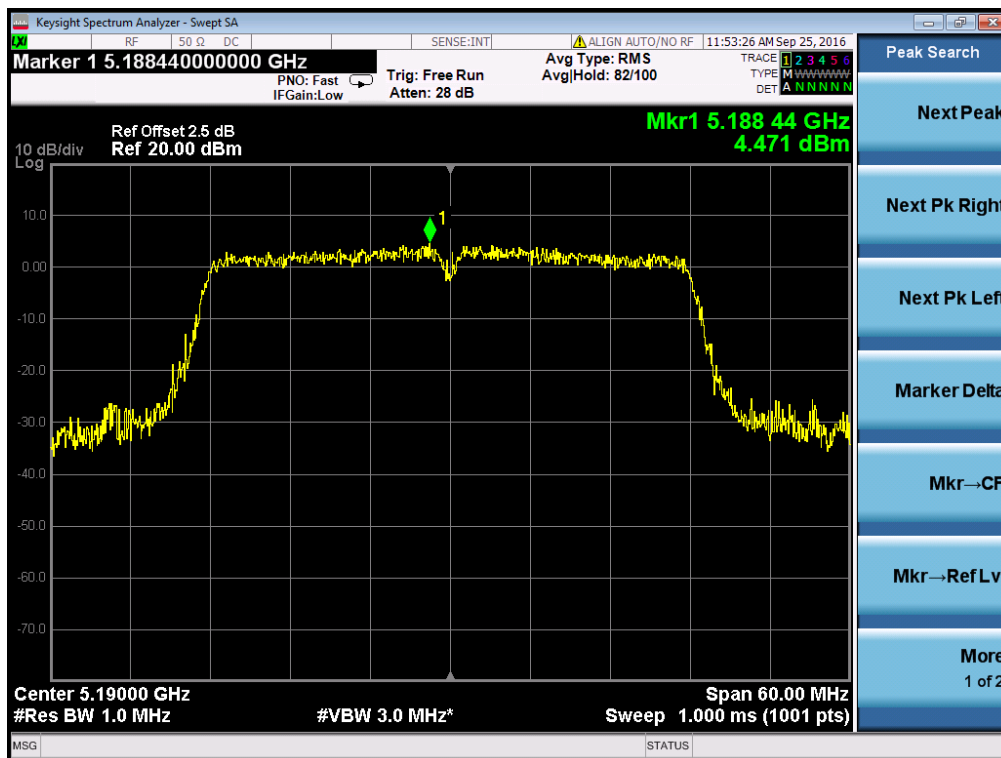
Antenna 0 - 802.11ac-VHT20 – 5180MHz



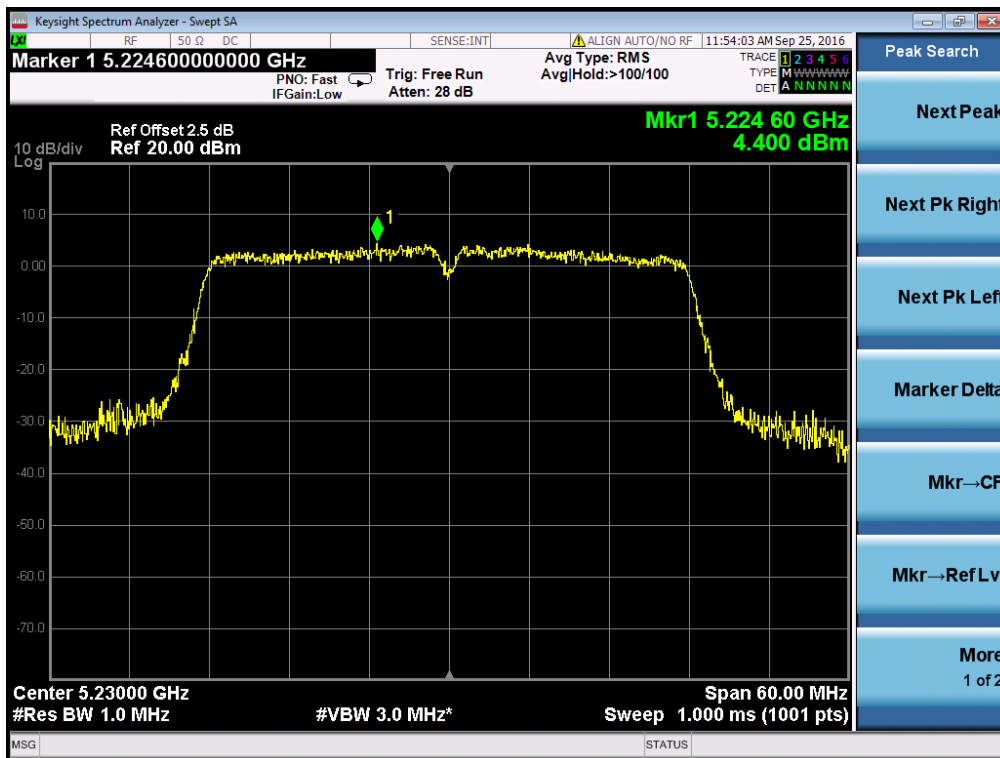
Antenna 0 - 802.11ac-VHT20 – 5220MHz



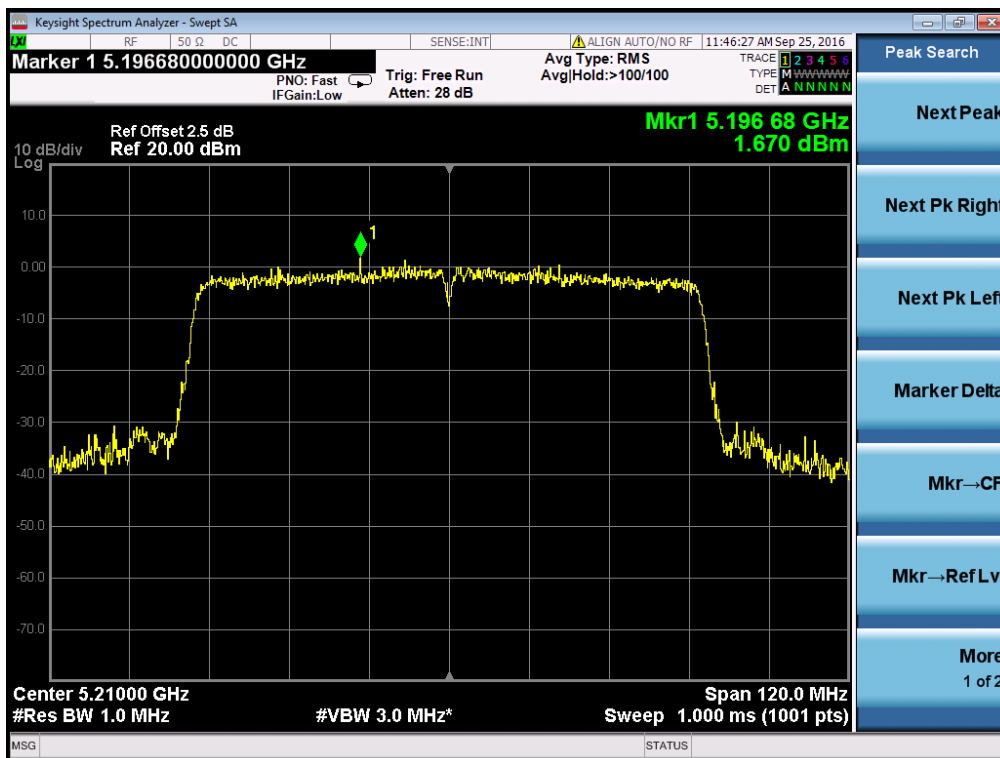
Antenna 0 - 802.11ac-VHT20 – 5240MHz



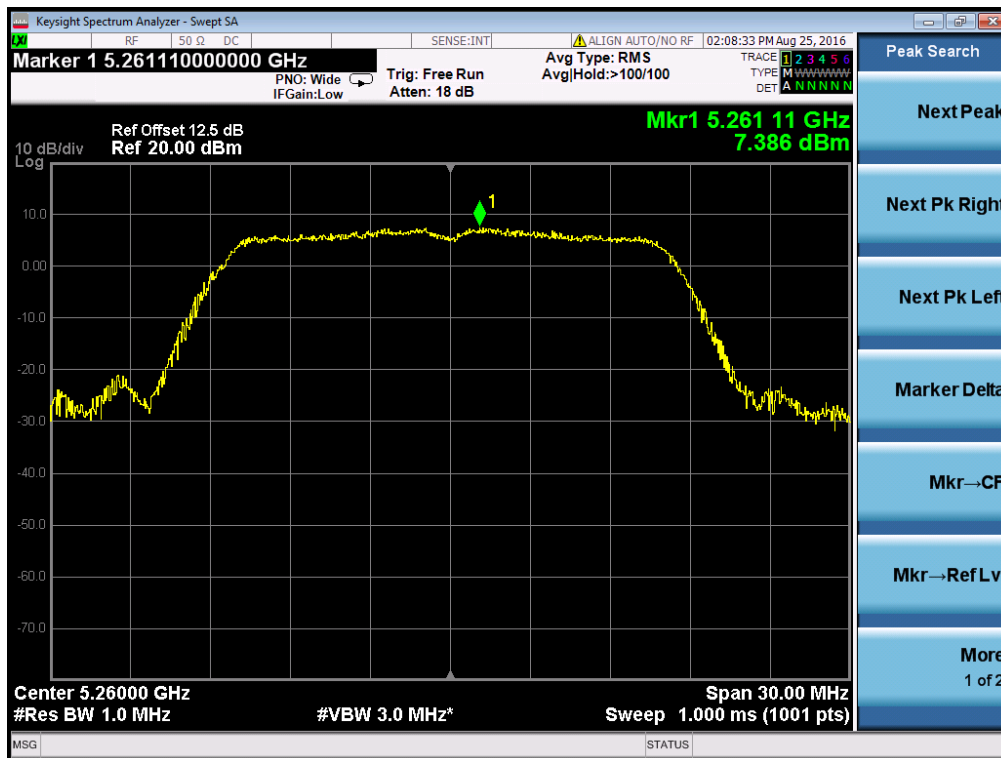
Antenna 0 - 802.11ac-VHT40 – 5190MHz



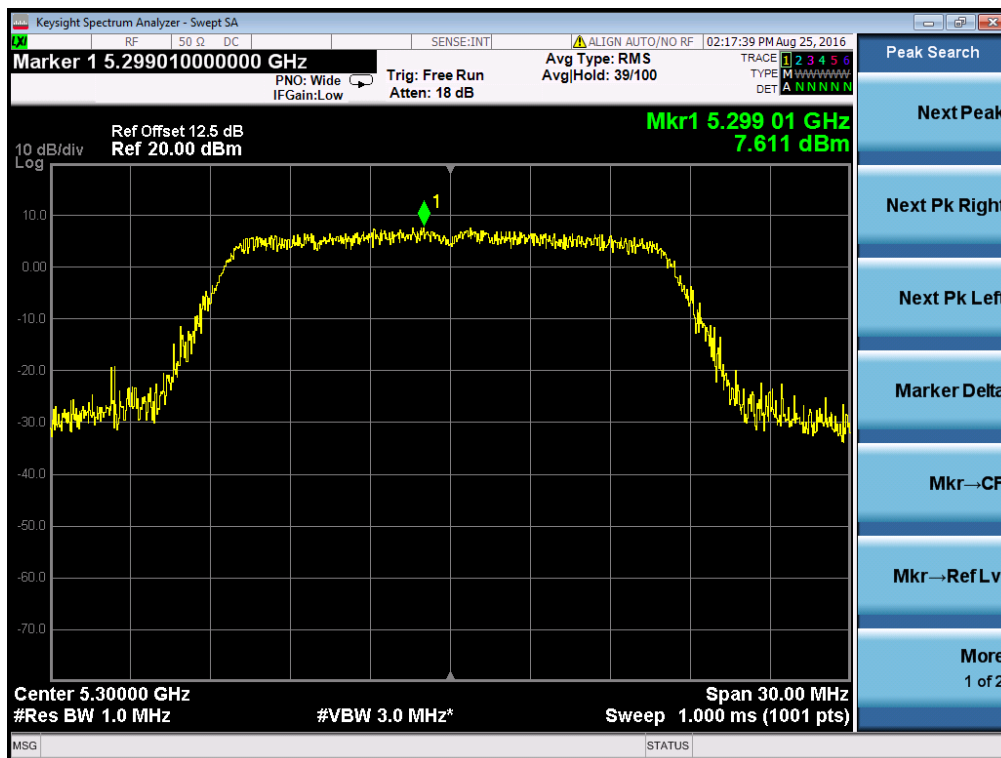
Antenna 0 - 802.11ac-VHT40 – 5230MHz



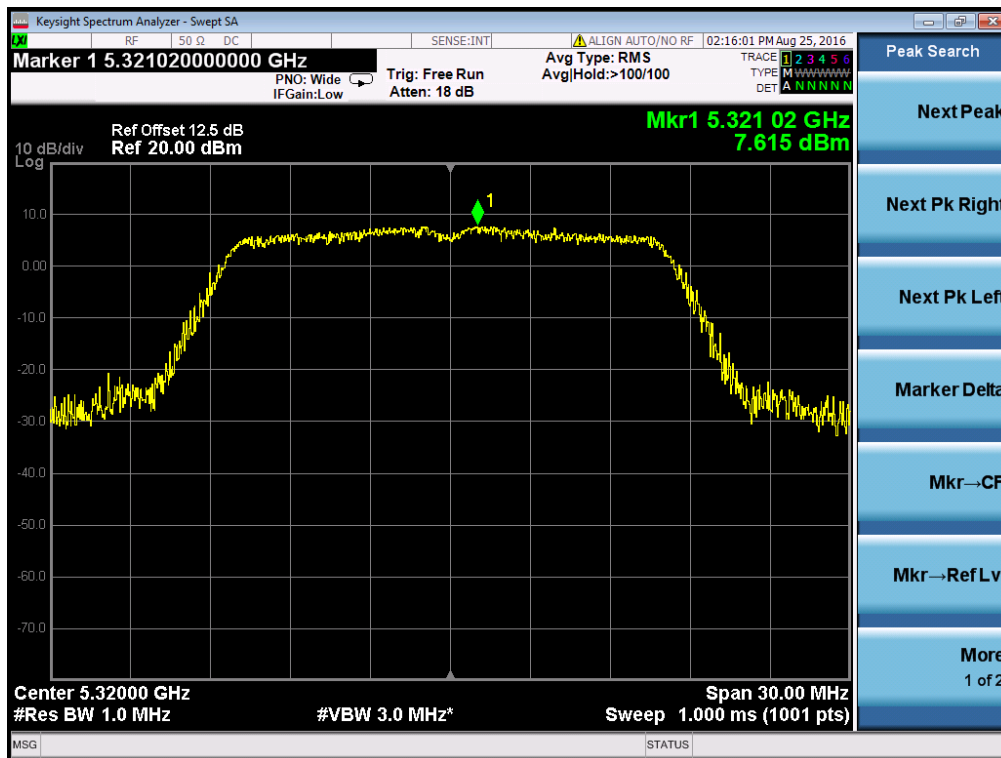
Antenna 0 - 802.11ac-VHT80 – 5210MHz



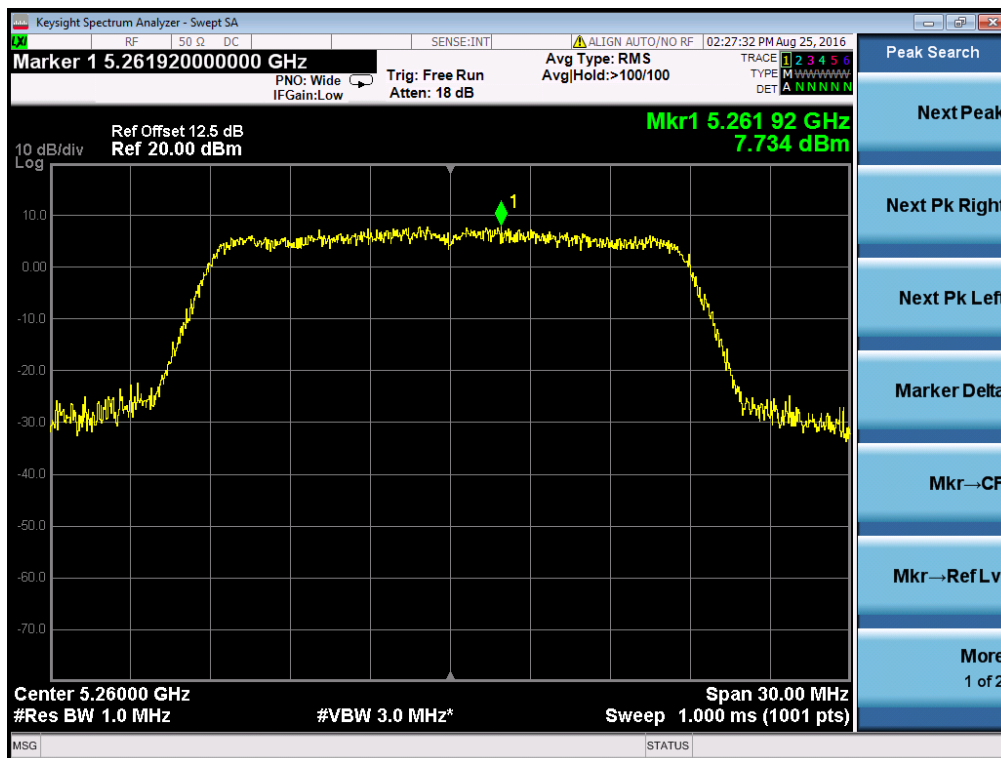
Antenna 0 - 802.11a – 5260MHz



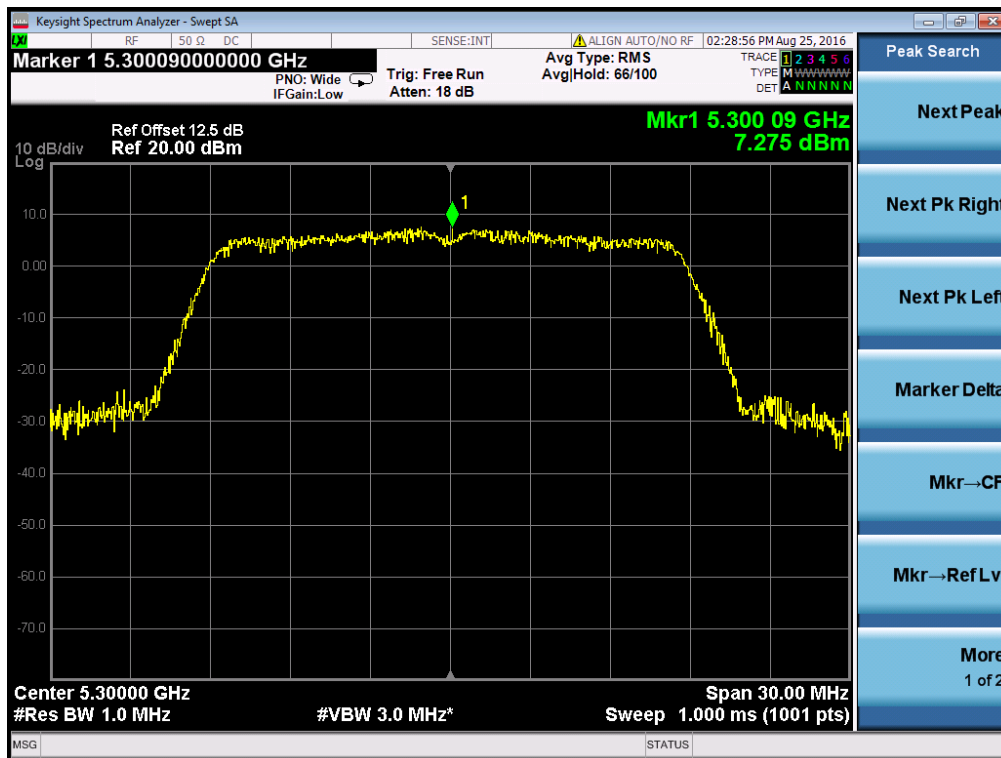
Antenna 0 - 802.11a – 5300MHz



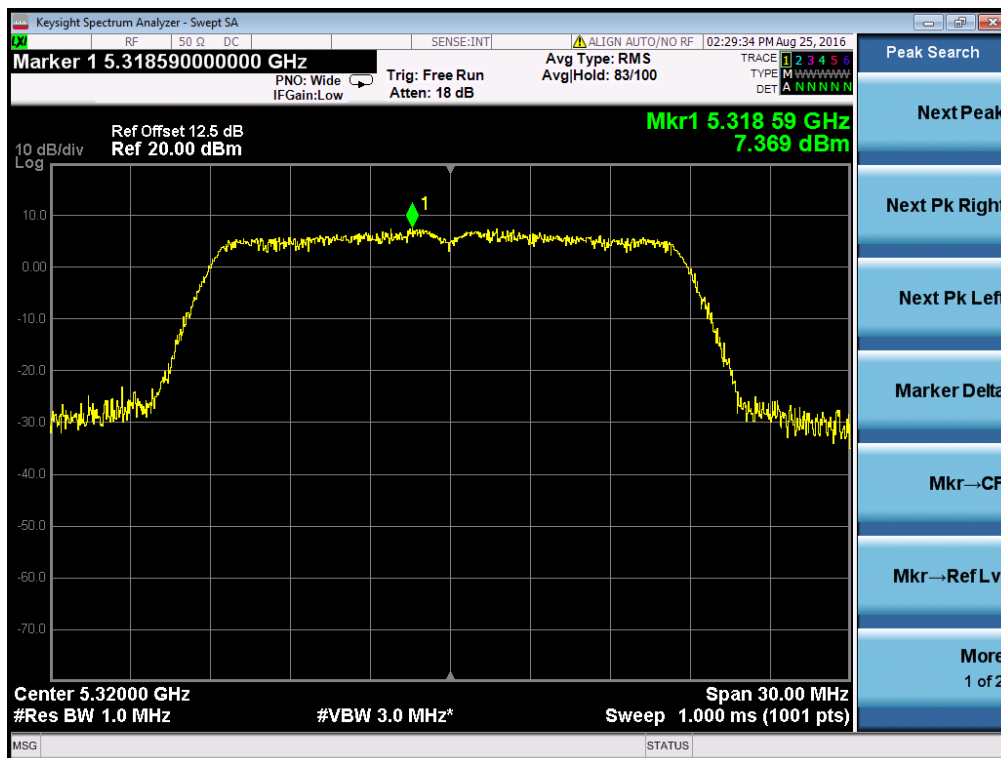
Antenna 0 - 802.11a – 5320MHz



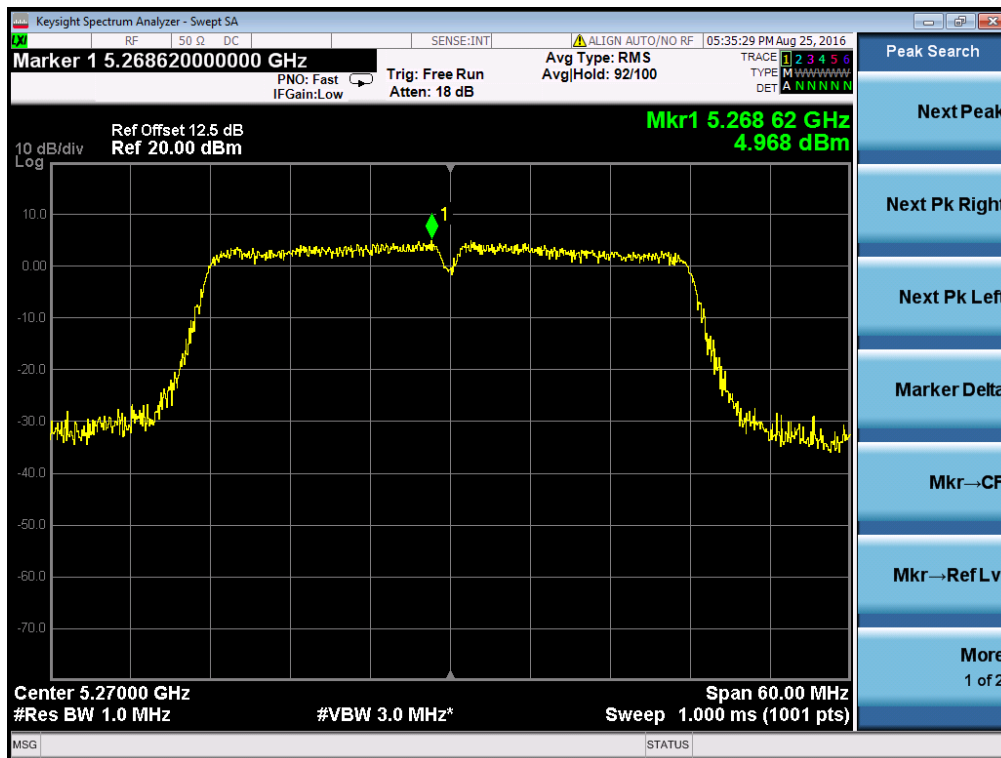
Antenna 0 - 802.11n-HT20 – 5260MHz



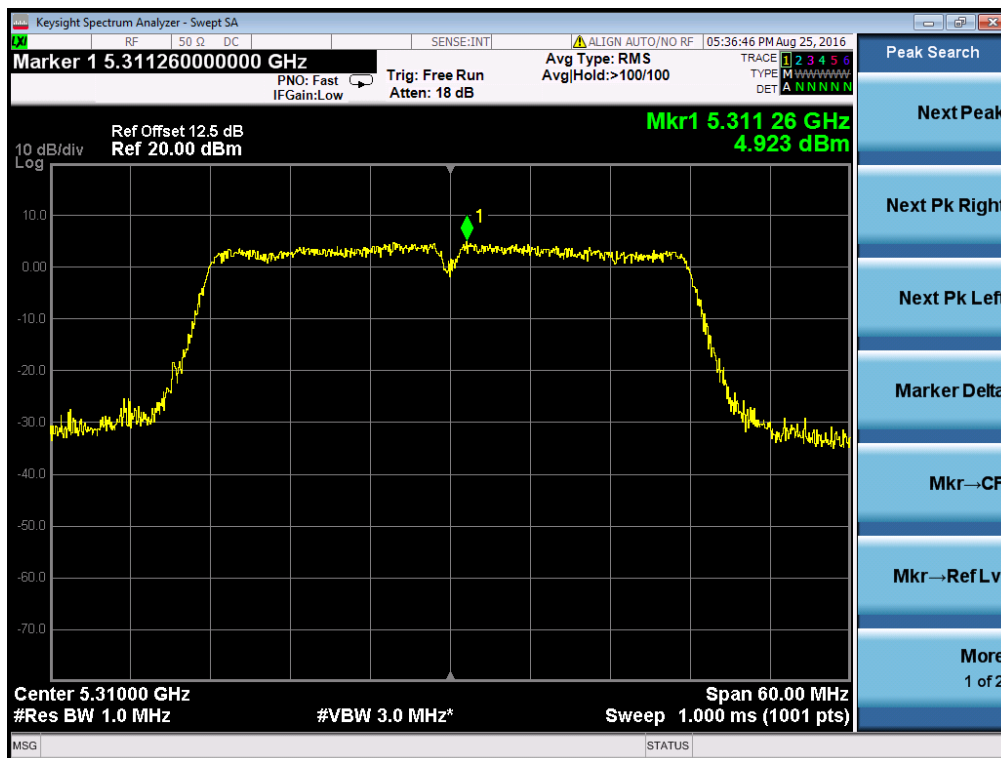
Antenna 0 - 802.11n-HT20 – 5300MHz



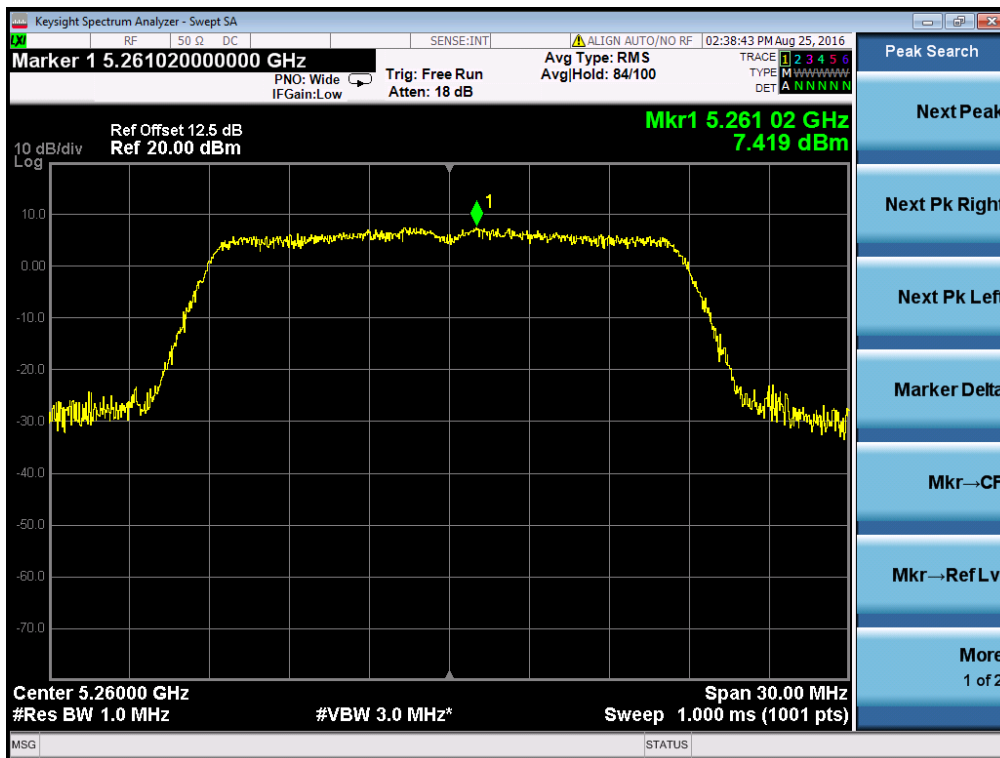
Antenna 0 - 802.11n-HT20 – 5320MHz



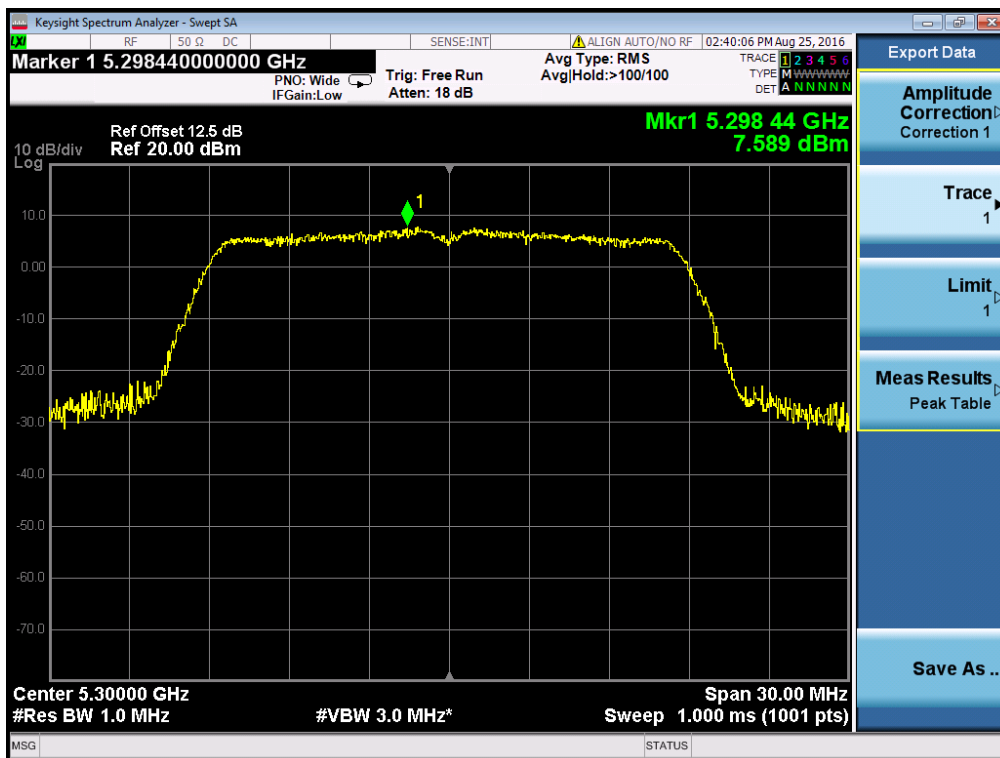
Antenna 0 - 802.11n-HT40 – 5270MHz



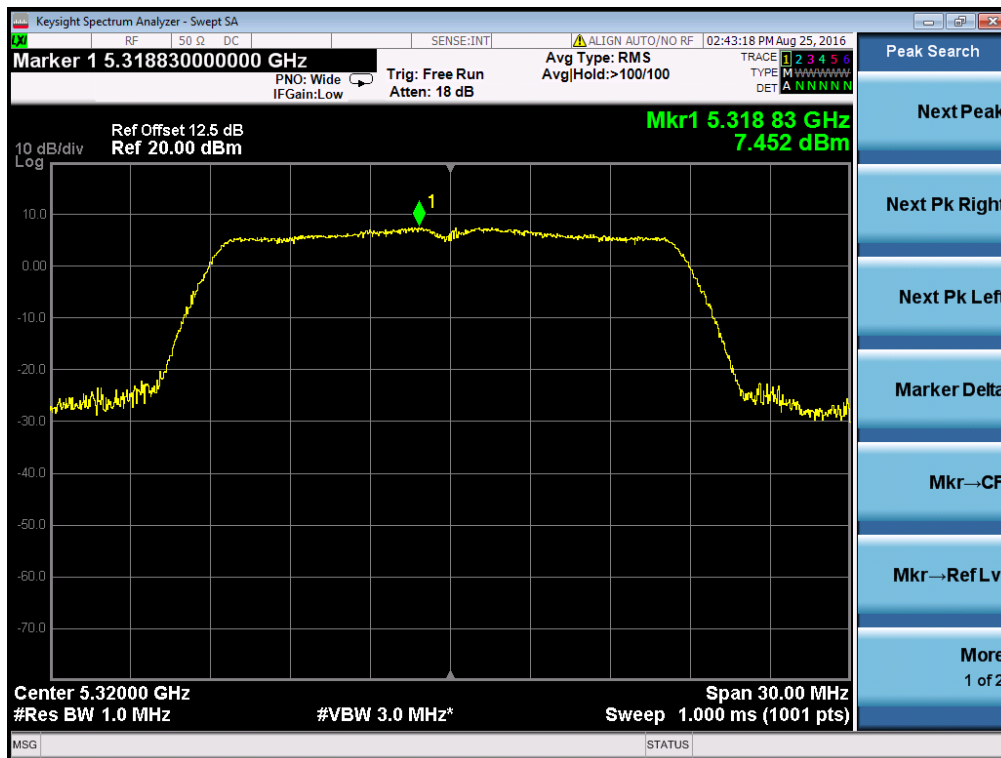
Antenna 0 - 802.11n-HT40 – 5310MHz



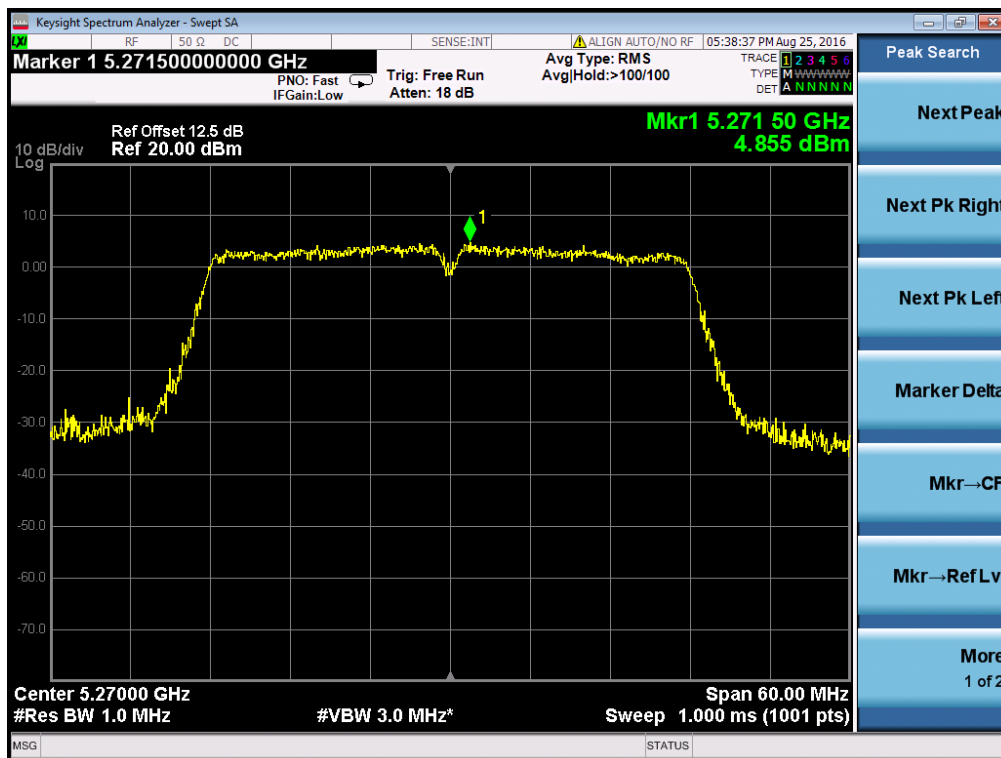
Antenna 0 - 802.11ac-VHT20 – 5260MHz



Antenna 0 - 802.11ac-VHT20 – 5300MHz



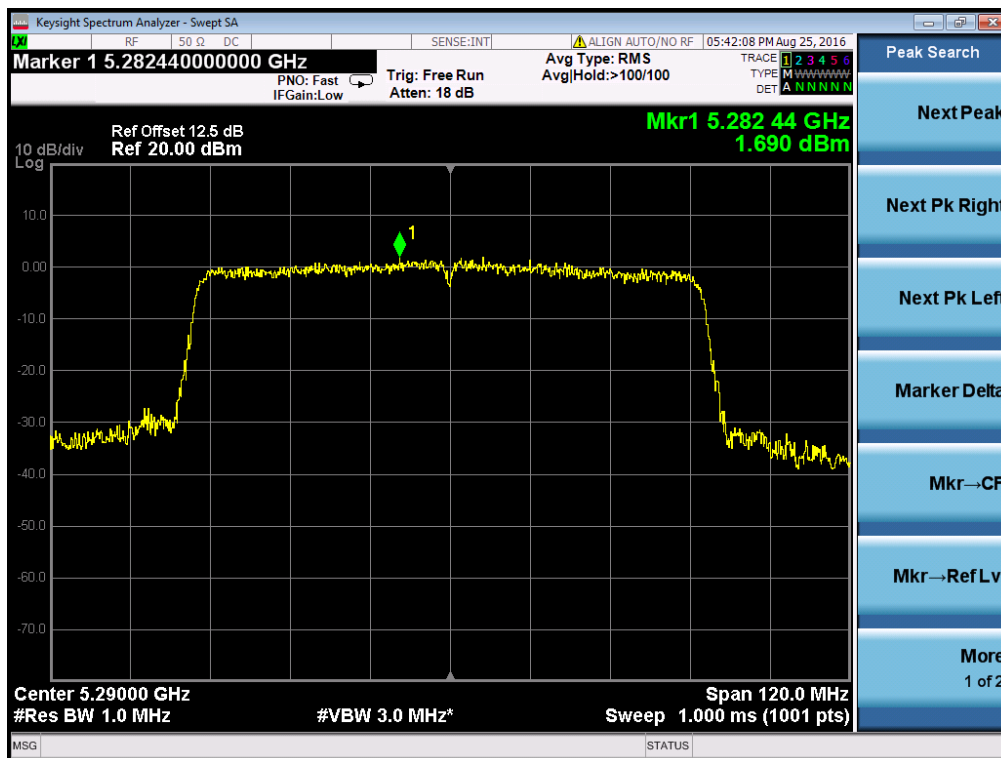
Antenna 0 - 802.11ac-VHT20 – 5320MHz



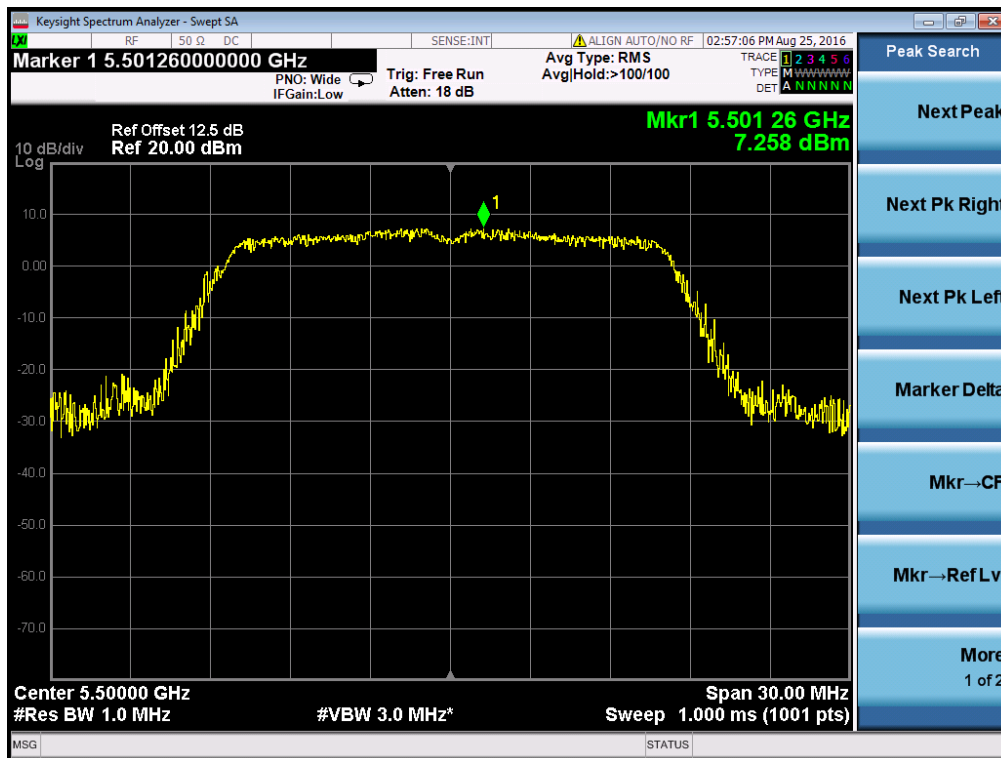
Antenna 0 - 802.11ac-VHT40 – 5270MHz



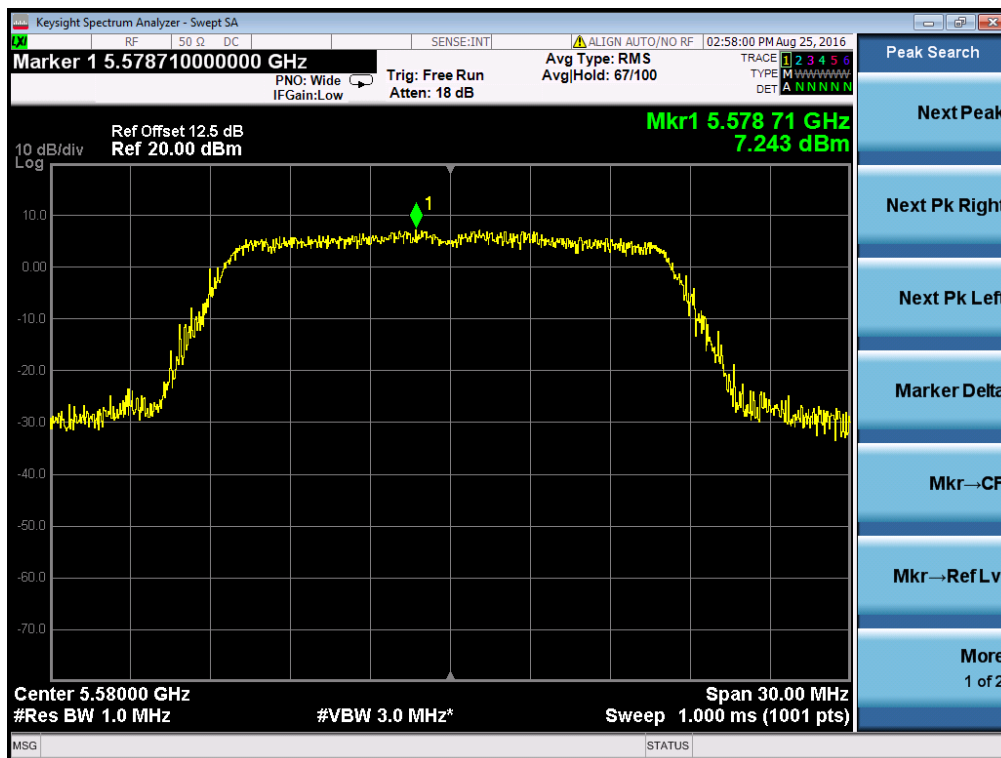
Antenna 0 - 802.11ac-VHT40 – 5310MHz



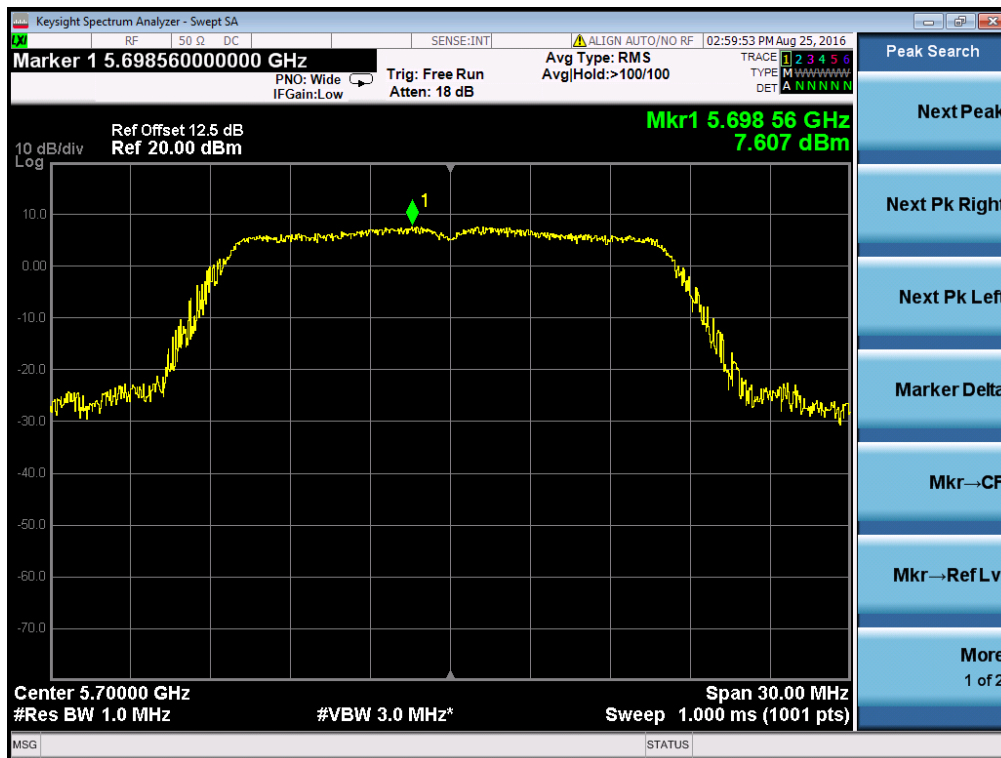
Antenna 0 - 802.11ac-VHT80 – 5290MHz



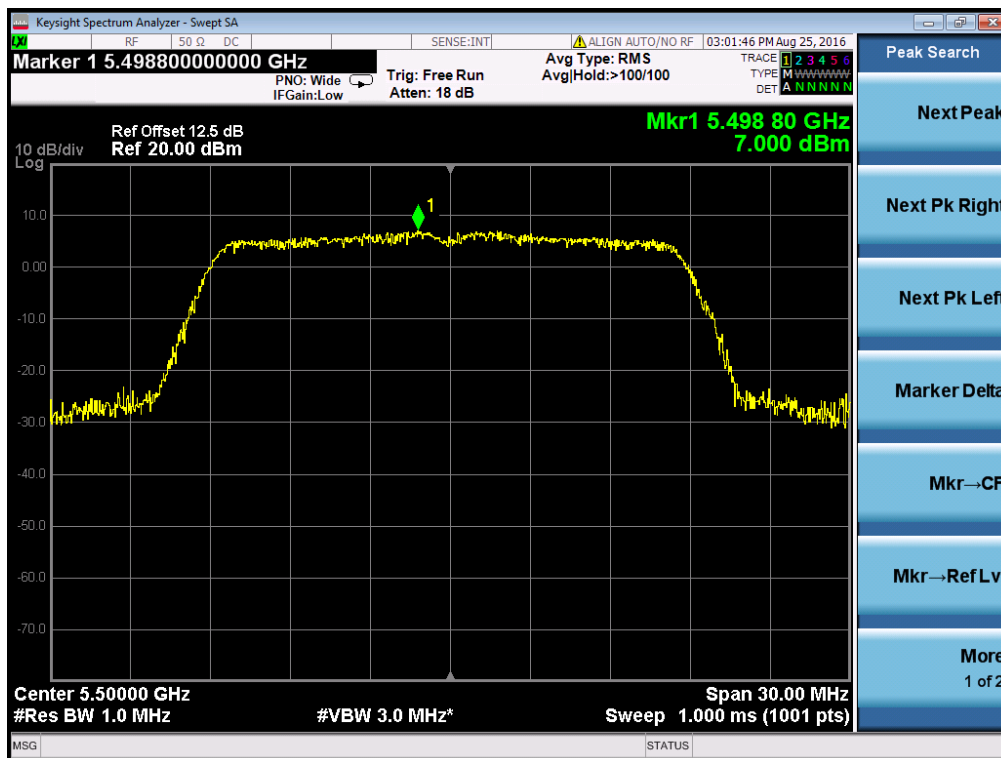
Antenna 0 - 802.11a – 5500MHz



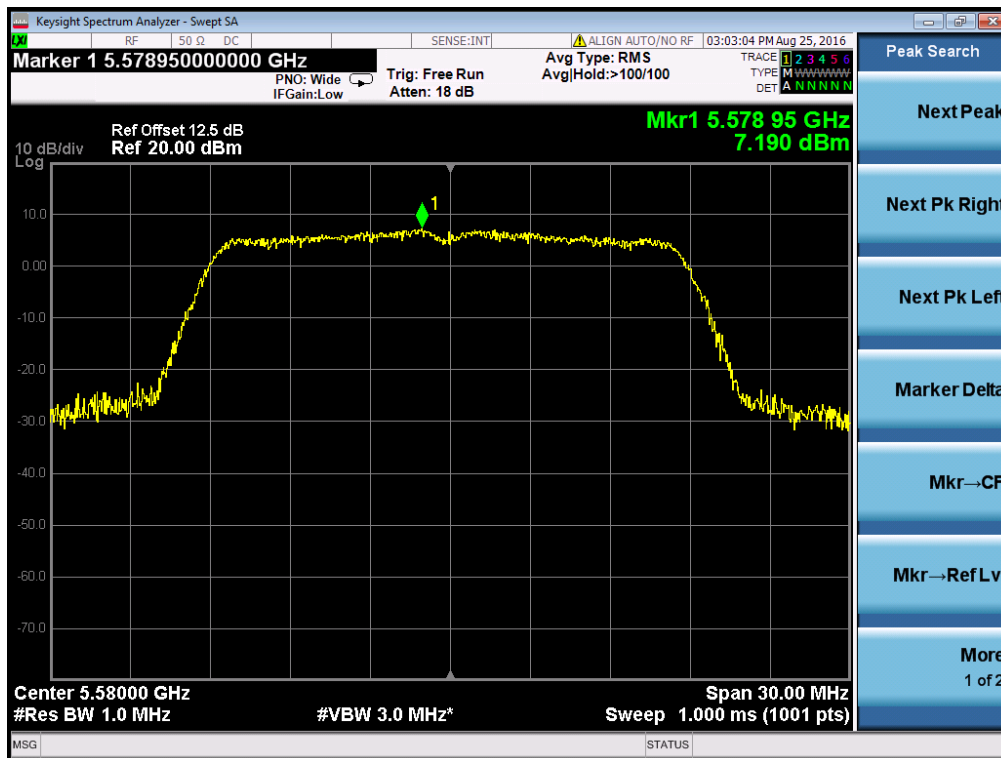
Antenna 0 - 802.11a – 5580MHz



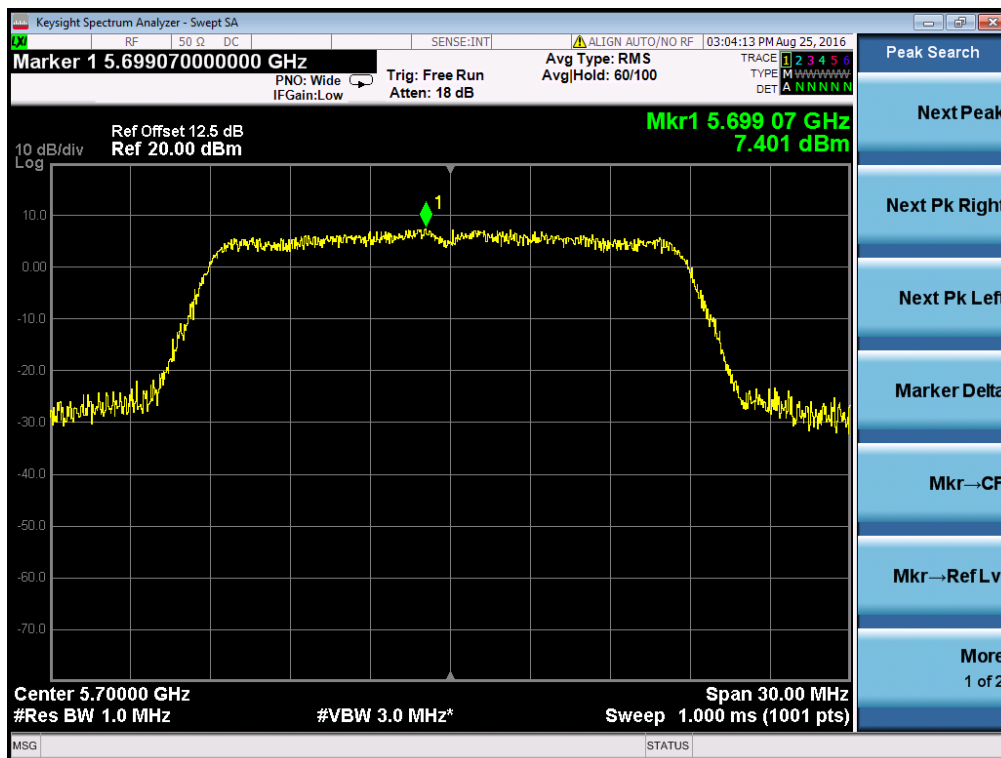
Antenna 0 - 802.11a – 5700MHz



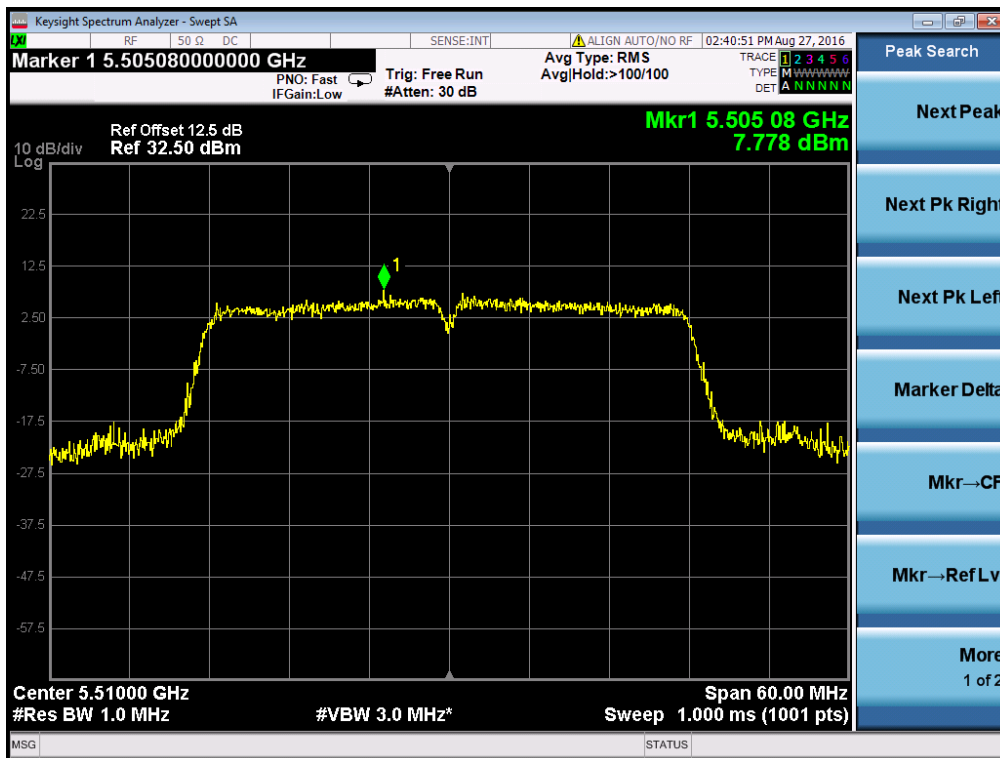
Antenna 0 - 802.11n-HT20 – 5500MHz



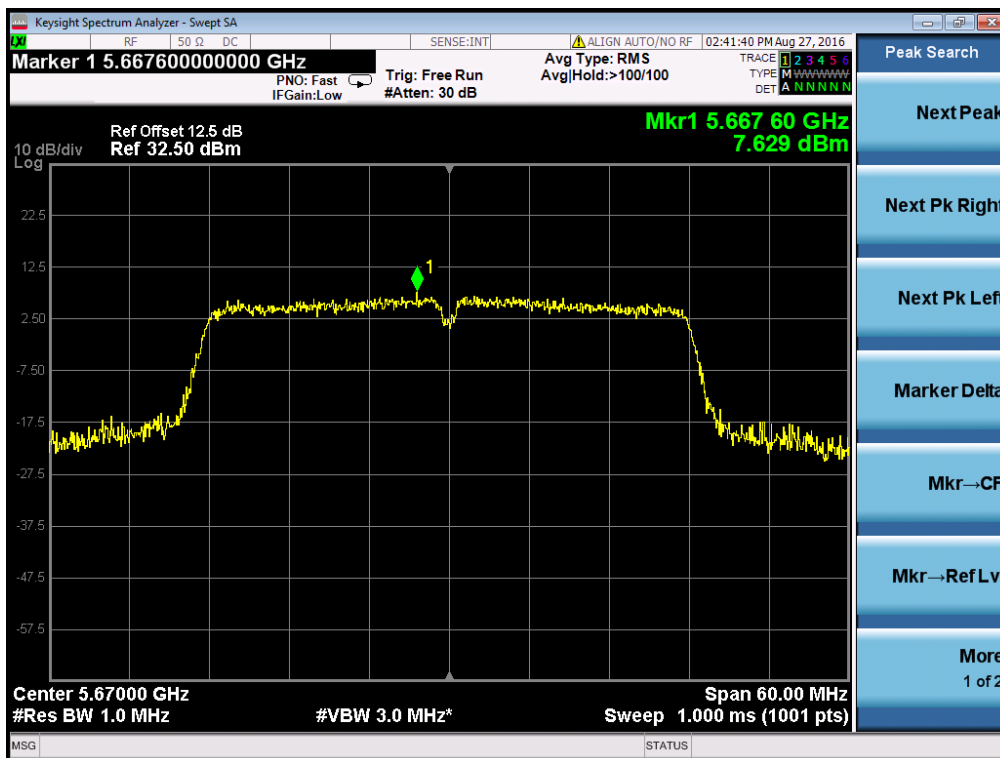
Antenna 0 - 802.11n-HT20 – 5580MHz



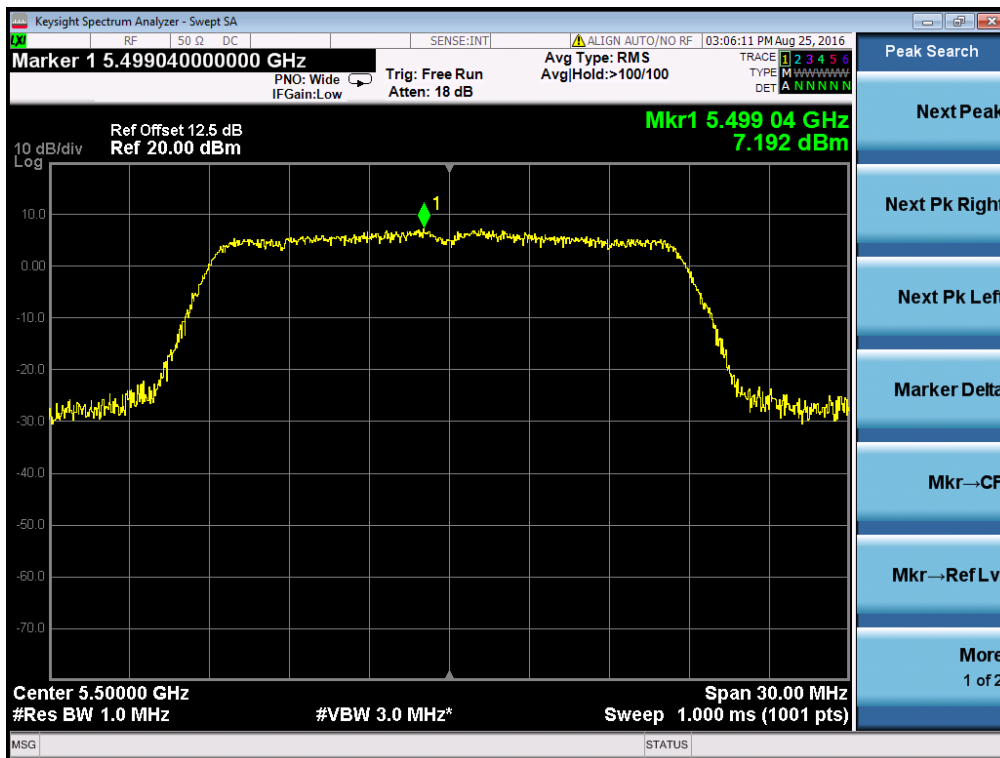
Antenna 0 - 802.11n-HT20 – 5700MHz



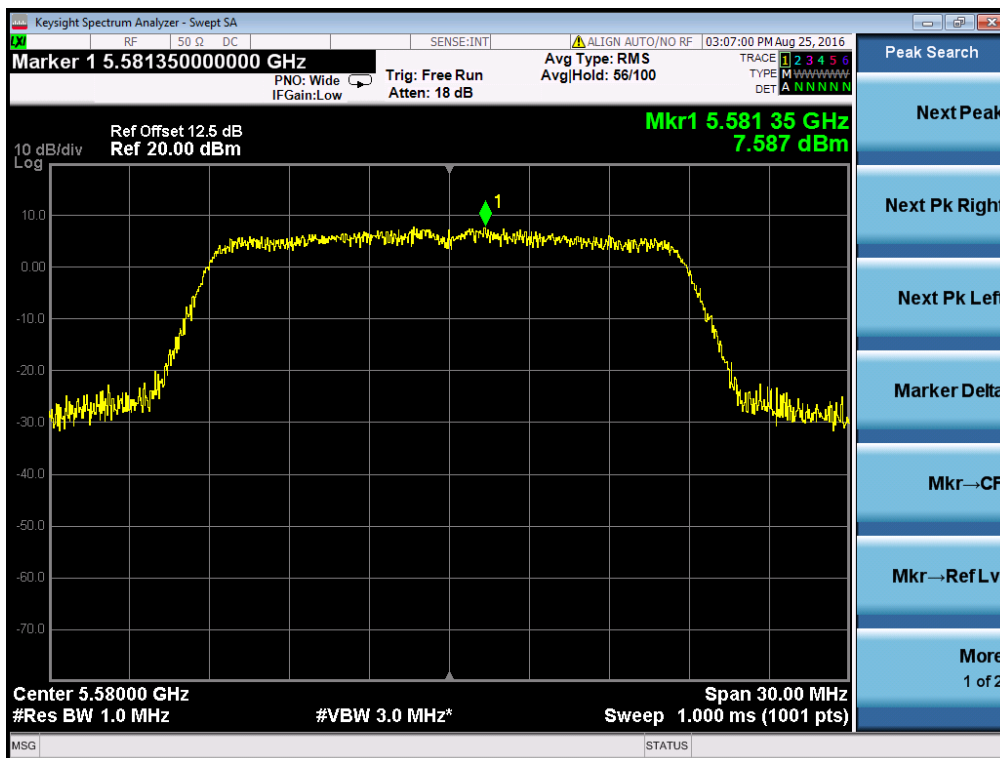
Antenna 0 - 802.11n-HT40 – 5510MHz



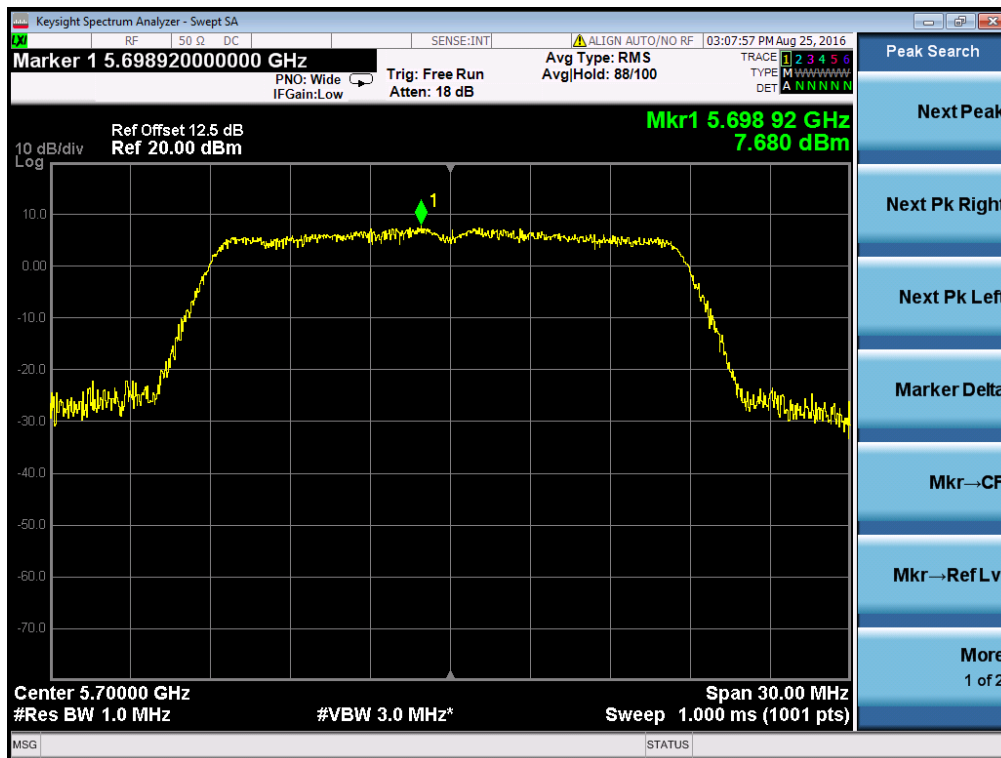
Antenna 0 - 802.11n-HT40 – 5670MHz



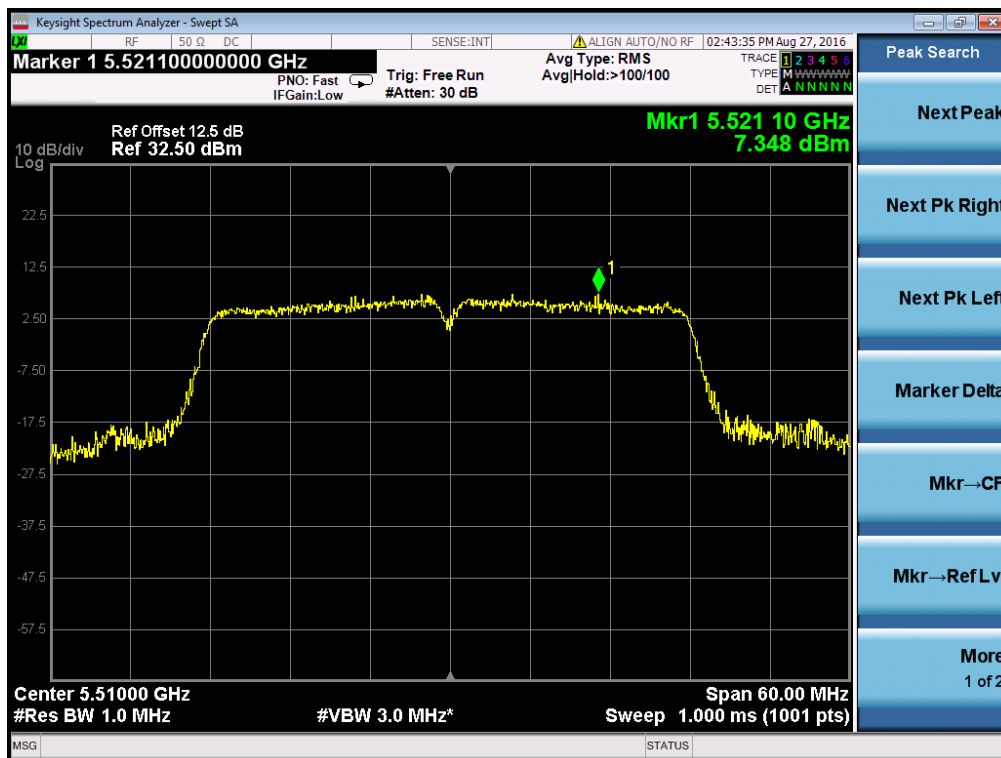
Antenna 0 - 802.11ac-VHT20 – 5500MHz



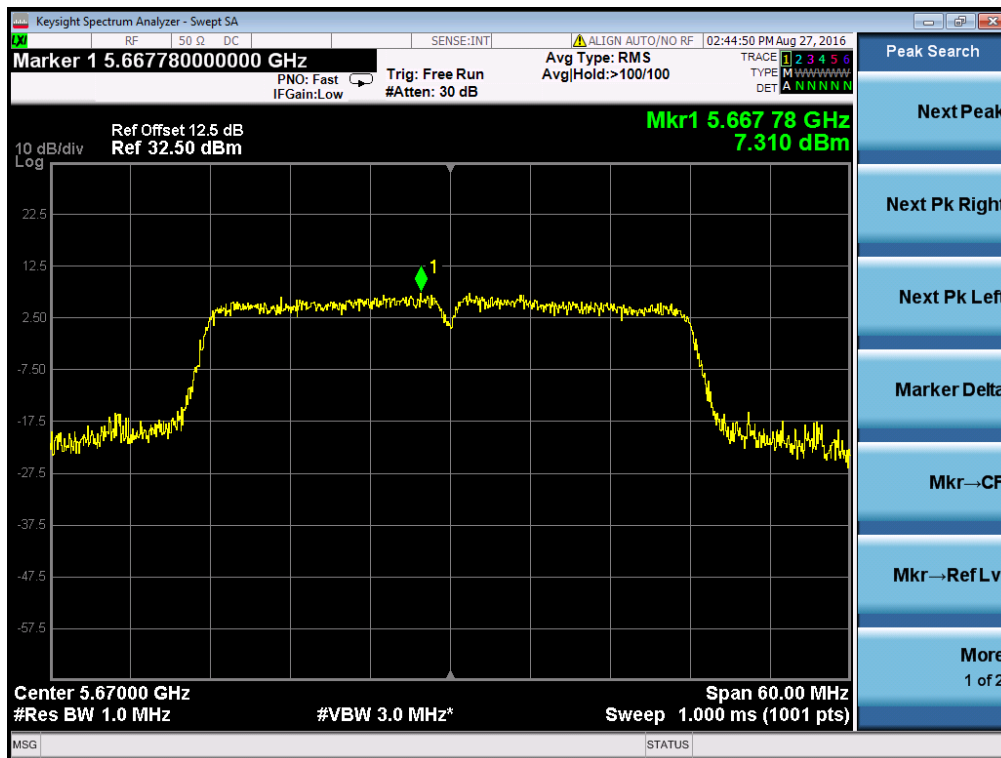
Antenna 0 - 802.11ac-VHT20 – 5580MHz



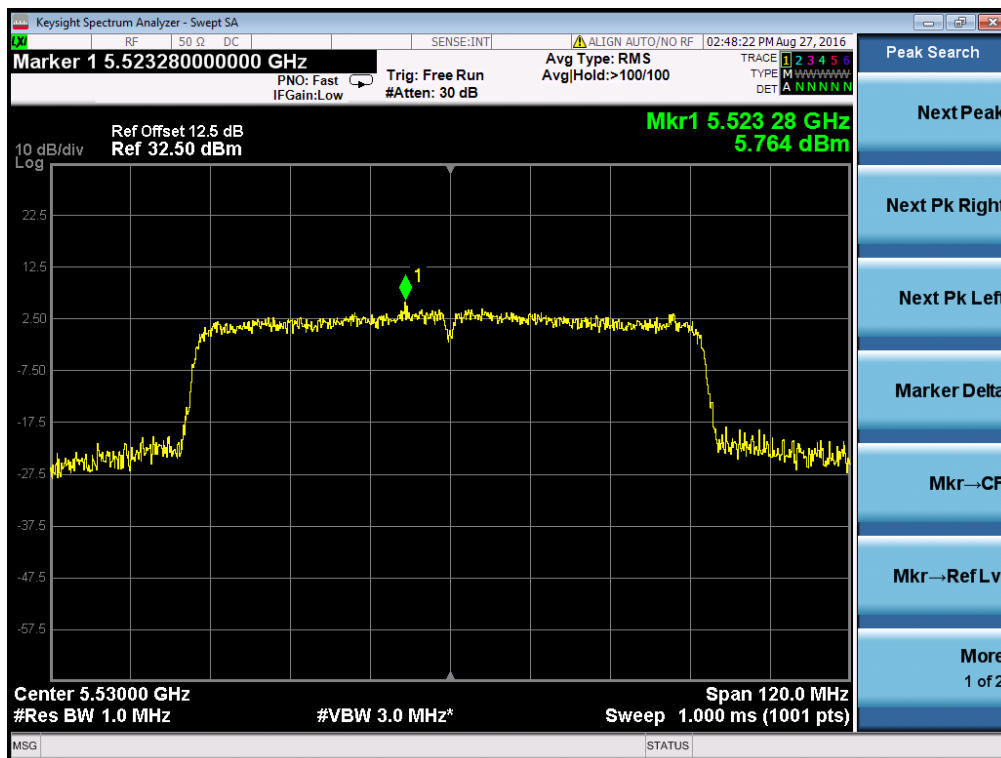
Antenna 0 - 802.11ac-VHT20 – 5700MHz



Antenna 0 - 802.11ac-VHT40 – 5510MHz



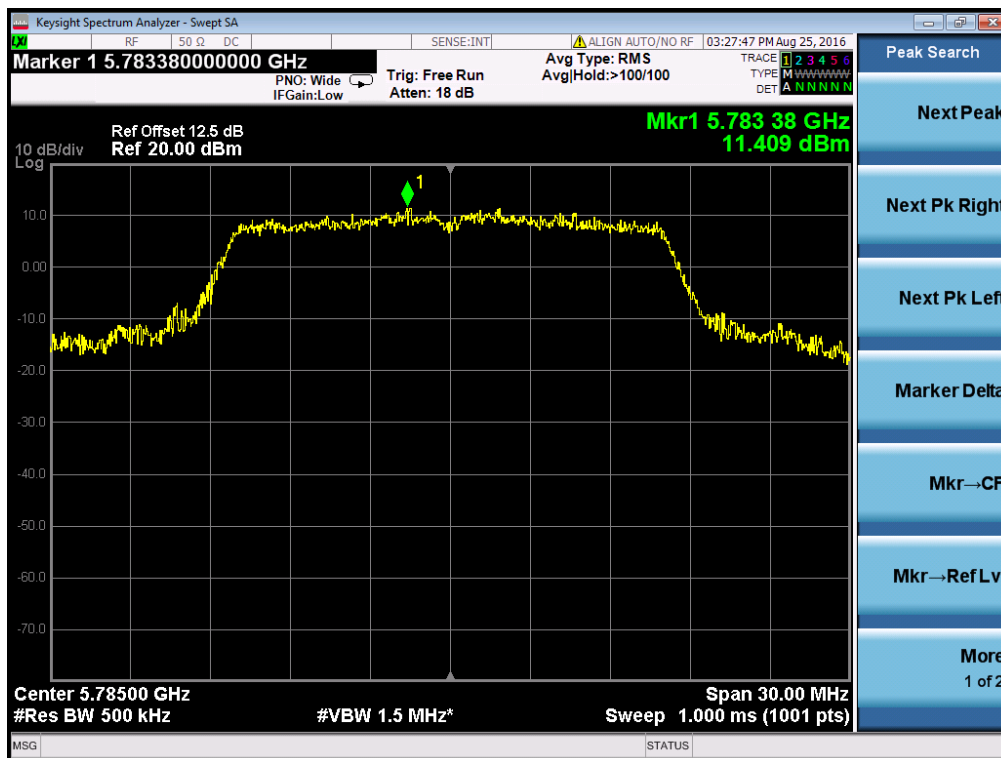
Antenna 0 - 802.11ac-VHT40 – 5670MHz



Antenna 0 - 802.11ac-VHT80 – 5530MHz



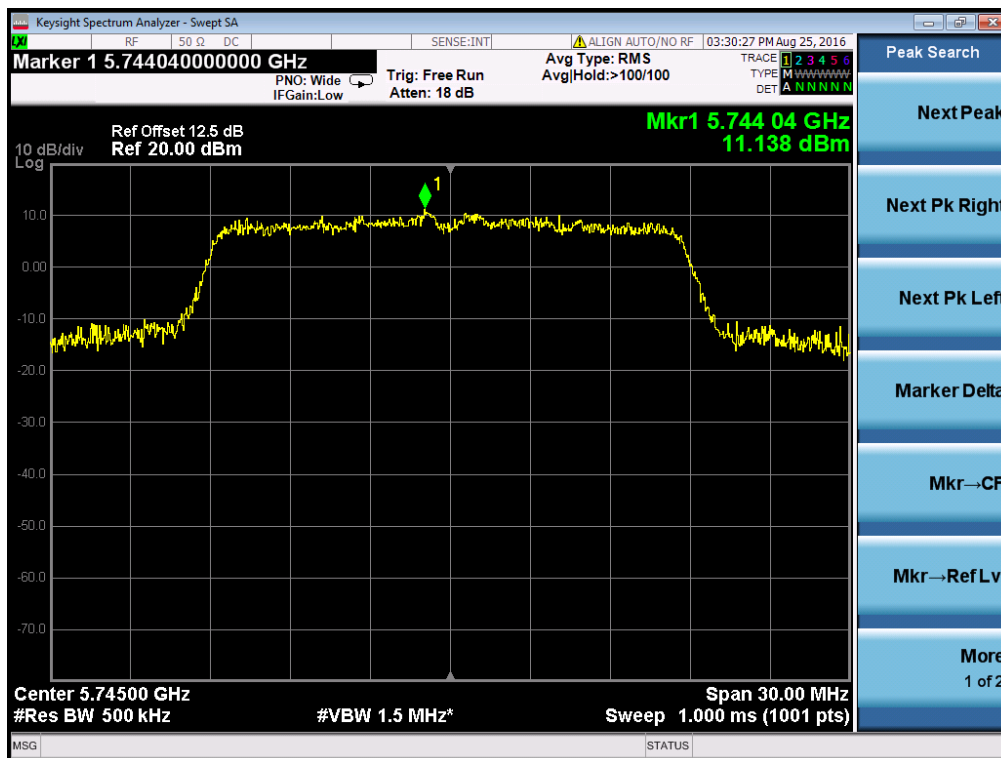
Antenna 0 - 802.11a – 5745MHz



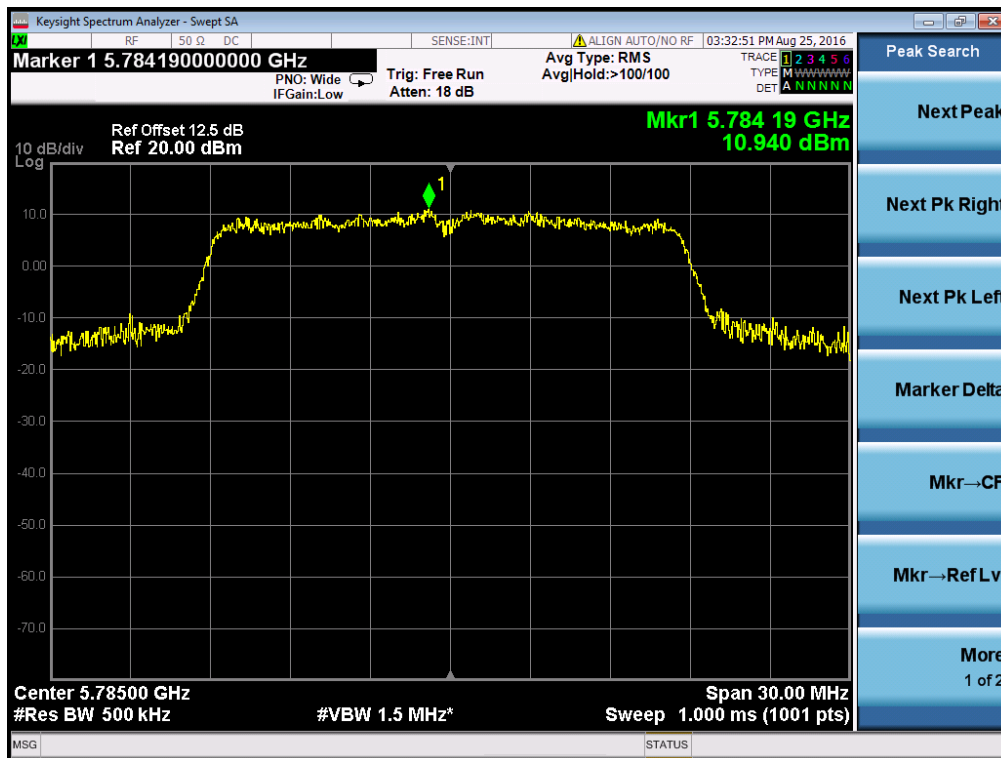
Antenna 0 - 802.11a – 5785MHz



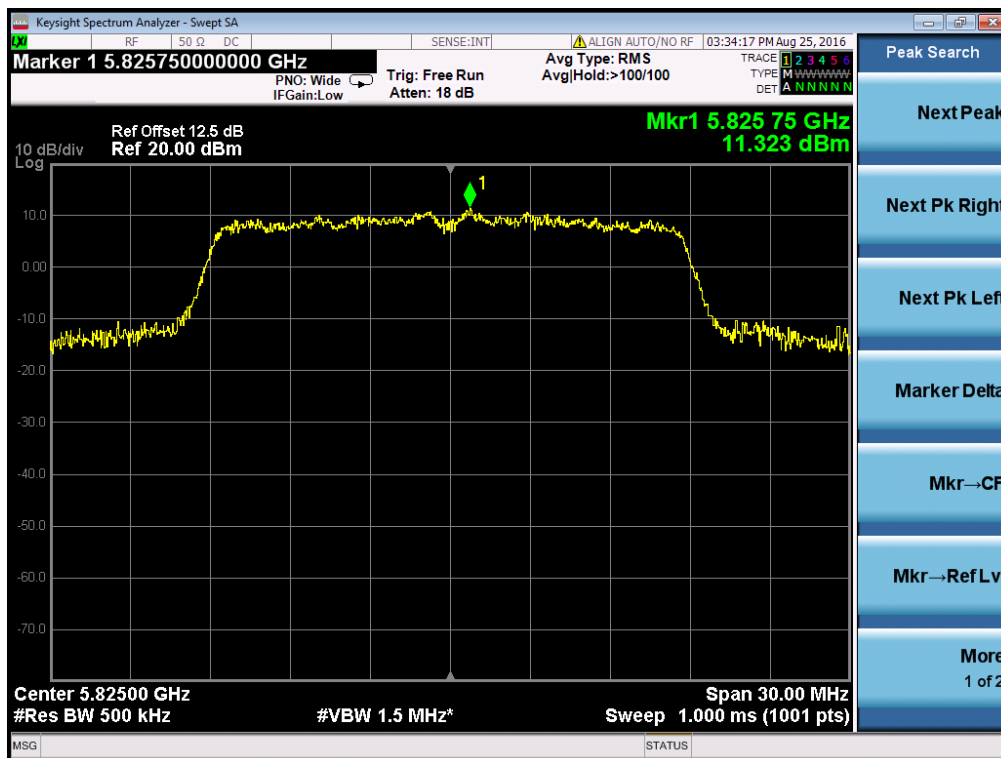
Antenna 0 - 802.11a – 5825MHz



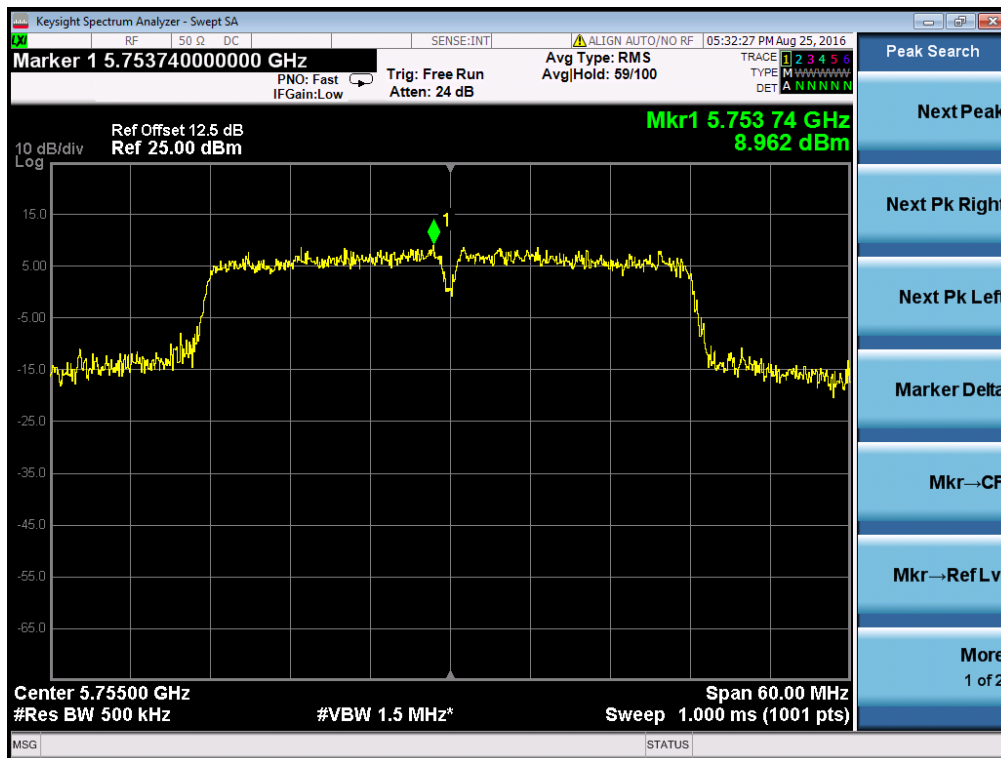
Antenna 0 - 802.11n-HT20 – 5745MHz



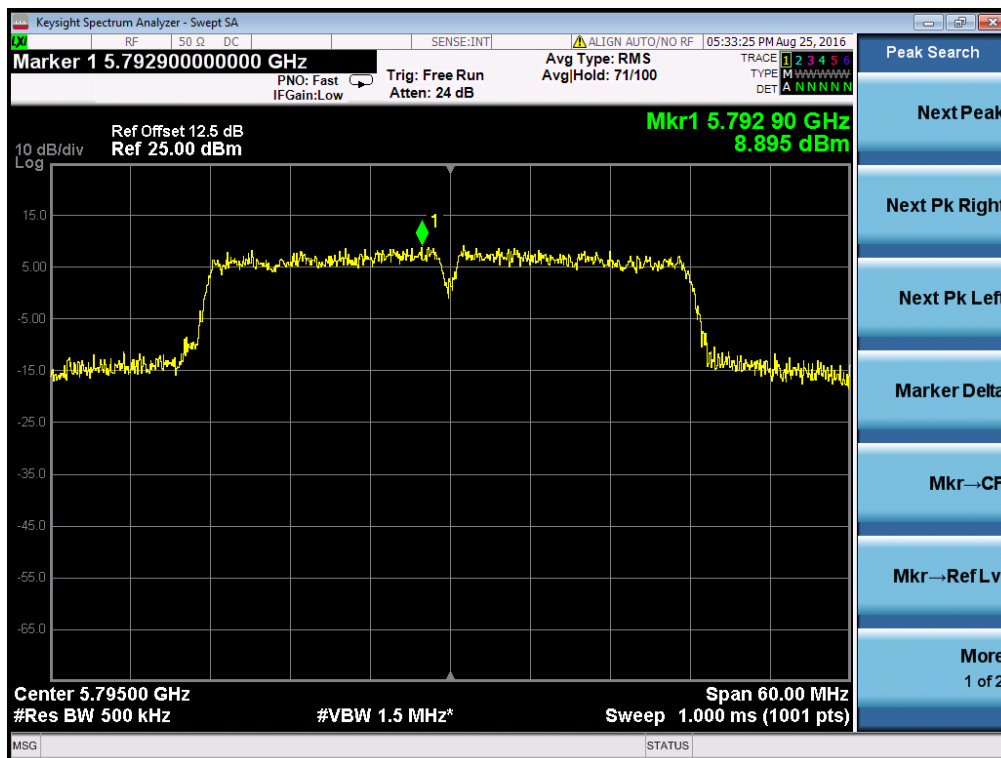
Antenna 0 - 802.11n-HT20 – 5785MHz



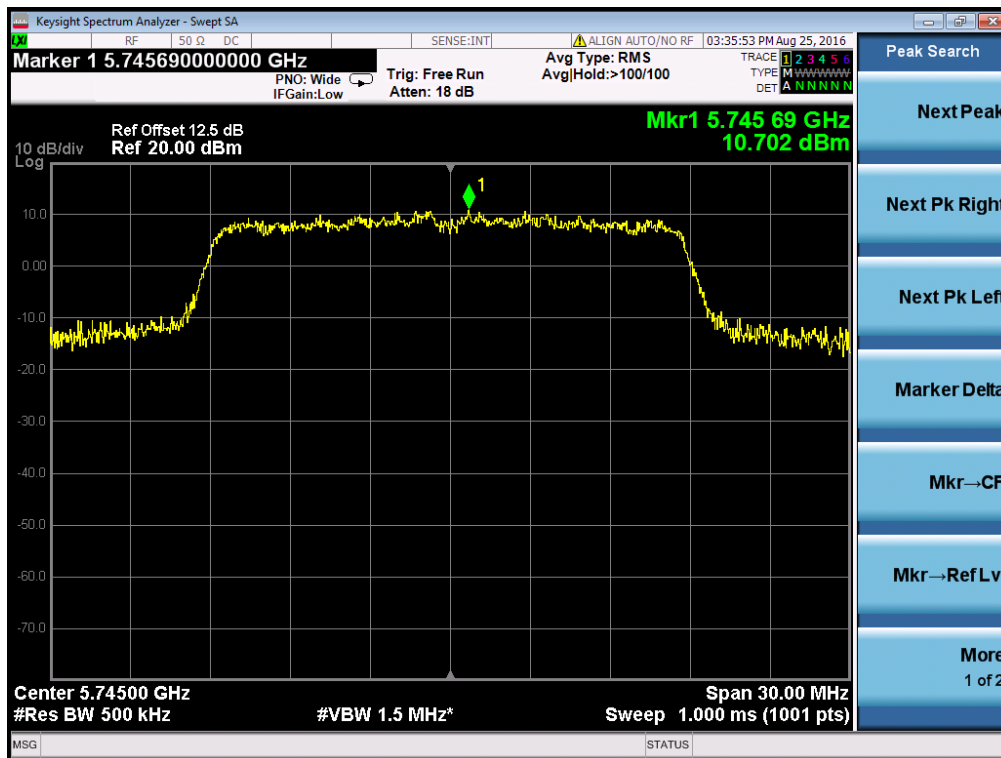
Antenna 0 - 802.11n-HT20 – 5825MHz



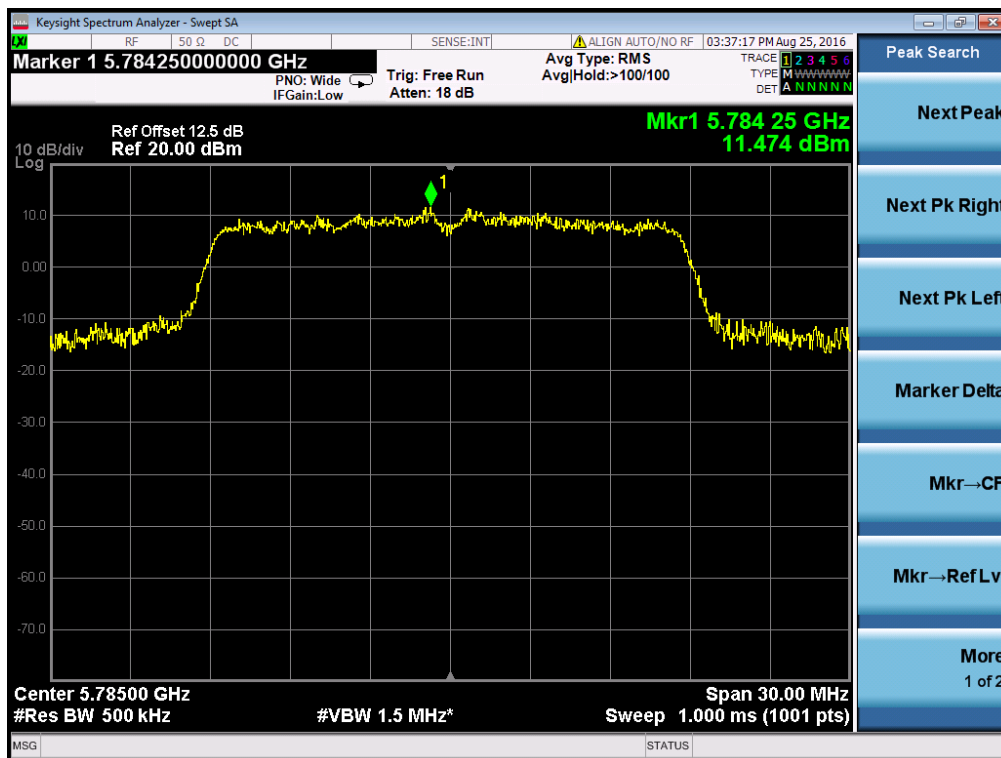
Antenna 0 - 802.11n-HT40 – 5755MHz



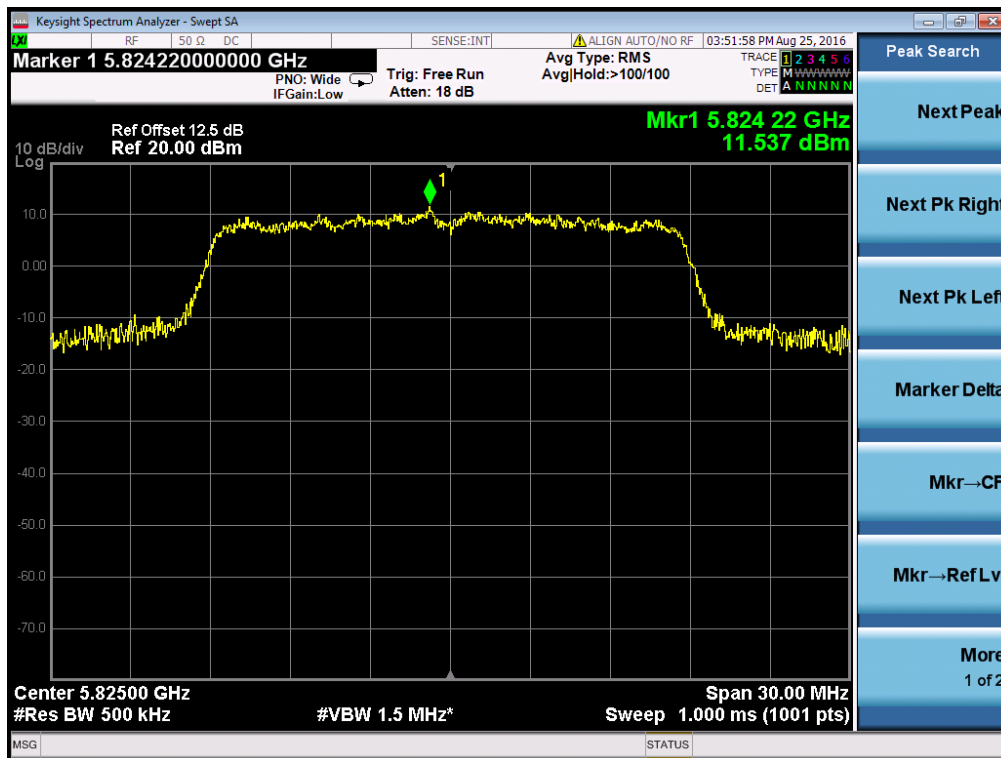
Antenna 0 - 802.11n-HT40 – 5795MHz



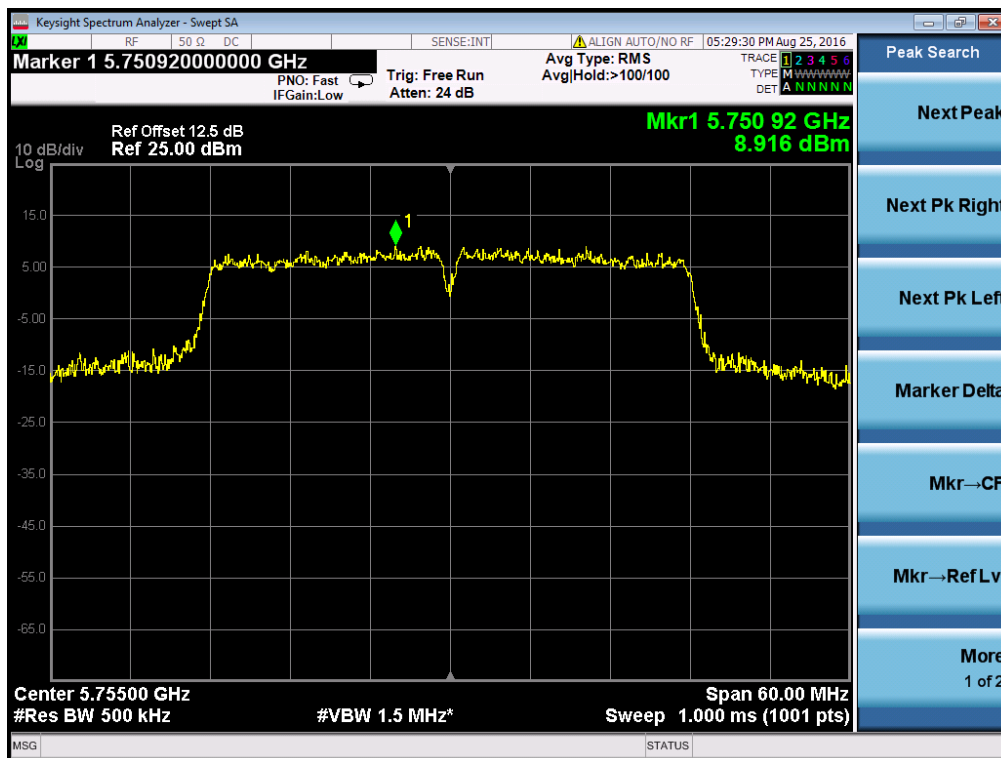
Antenna 0 - 802.11ac-VHT20 – 5745MHz



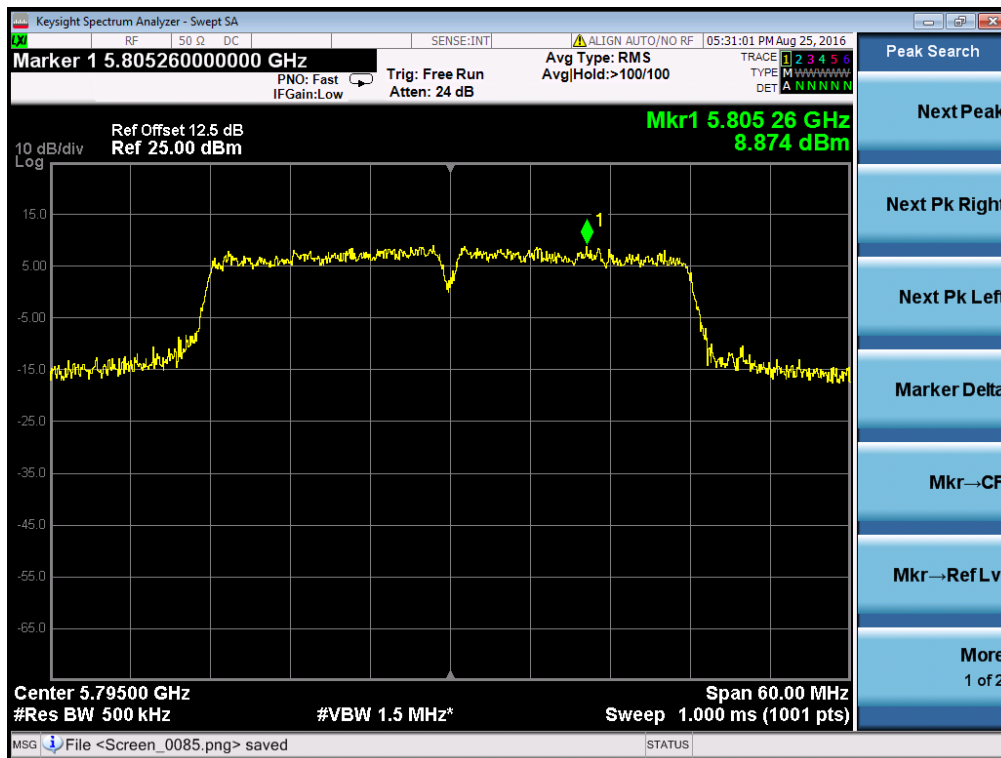
Antenna 0 - 802.11ac-VHT20 – 5785MHz



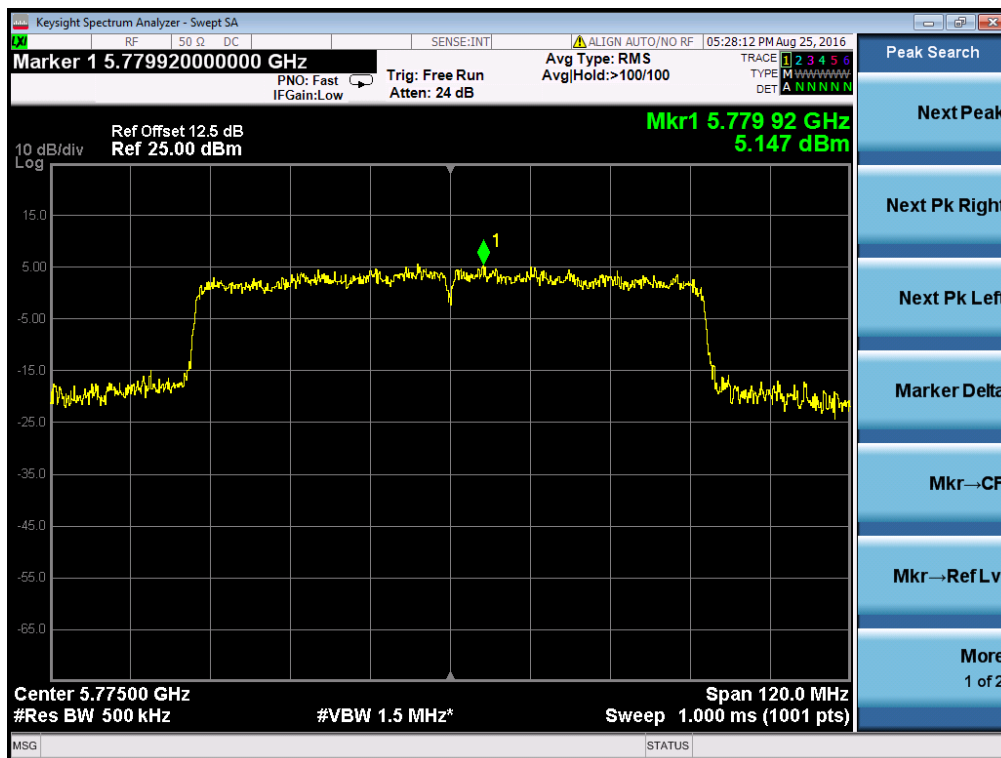
Antenna 0 - 802.11ac-VHT20 – 5825MHz



Antenna 0 - 802.11ac-VHT40 – 5755MHz



Antenna 0 - 802.11ac-VHT40 – 5795MHz



Antenna 0 - 802.11ac-VHT80 – 5775MHz