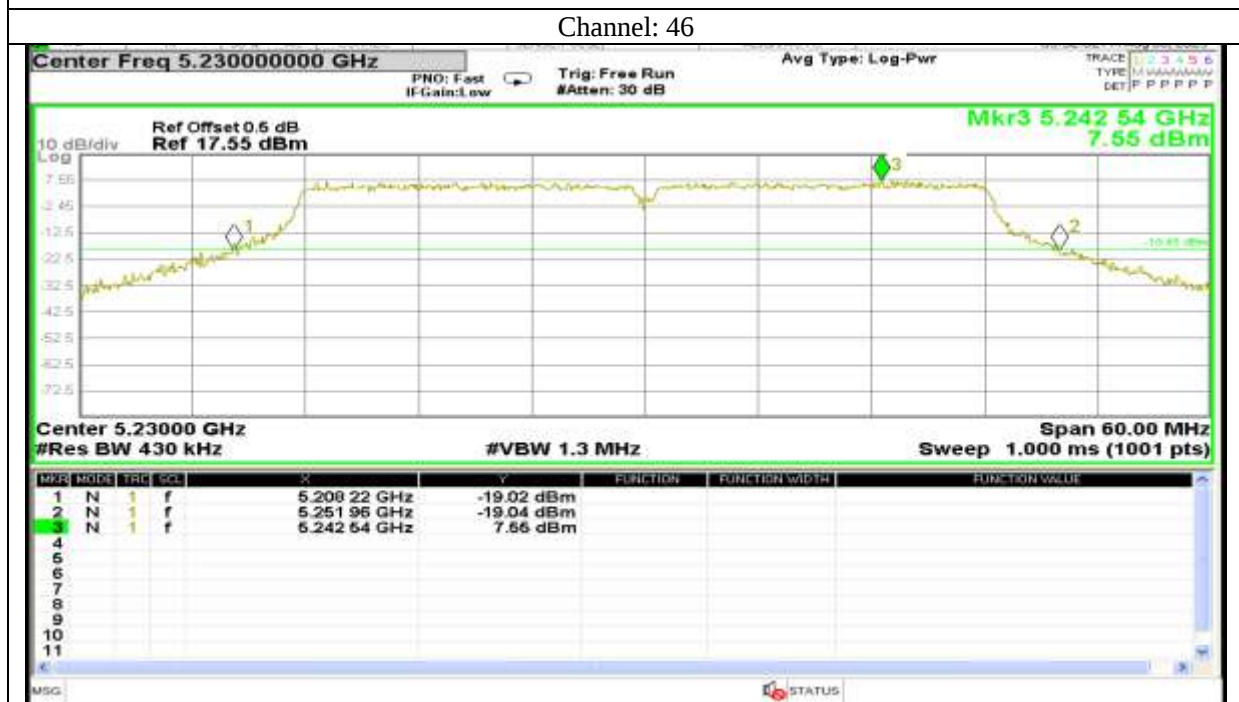
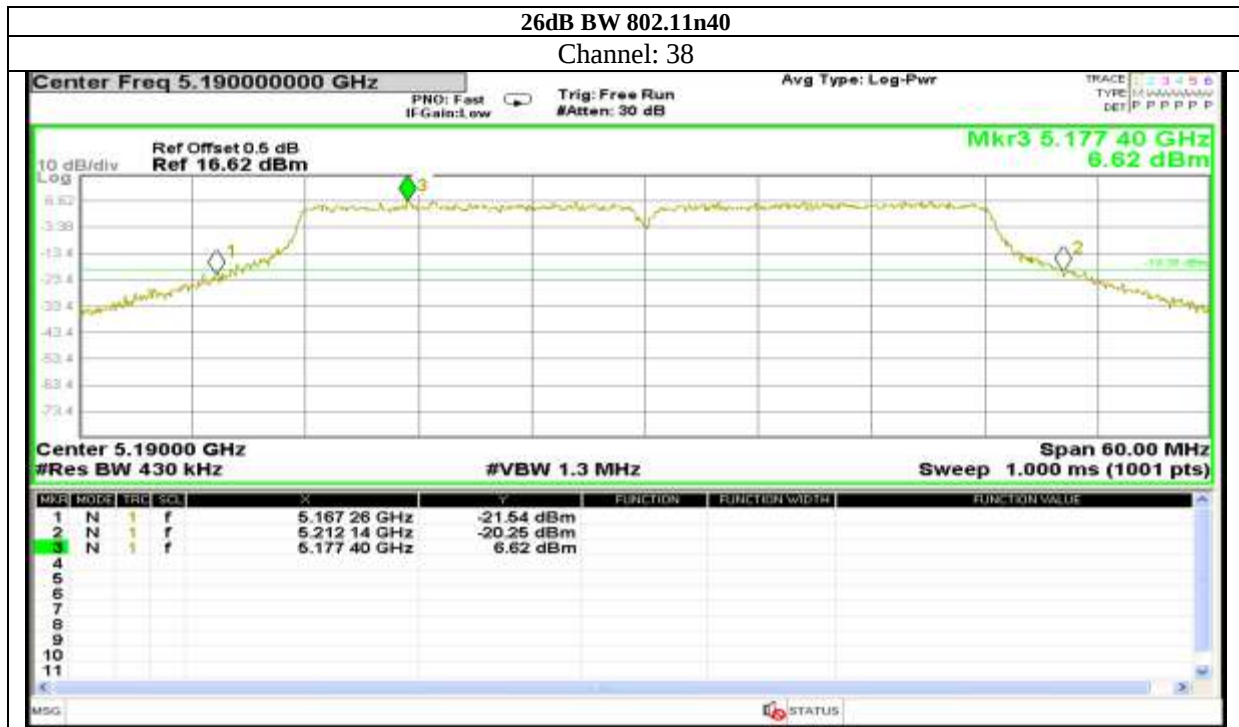
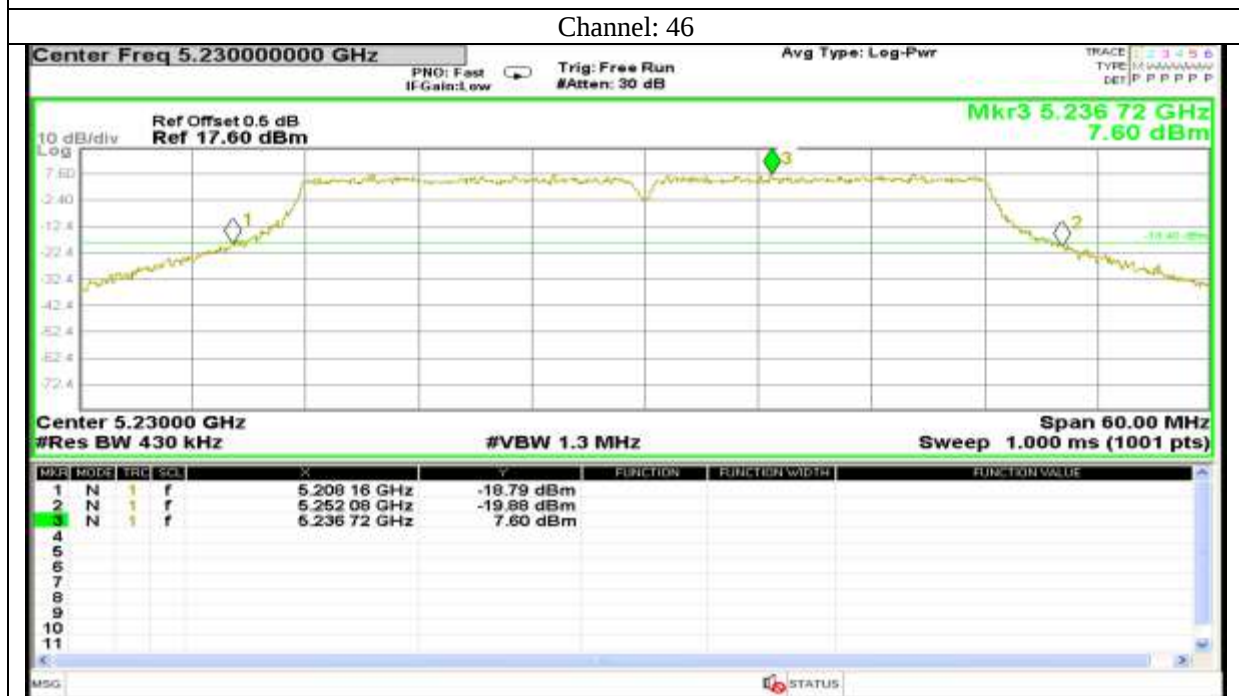
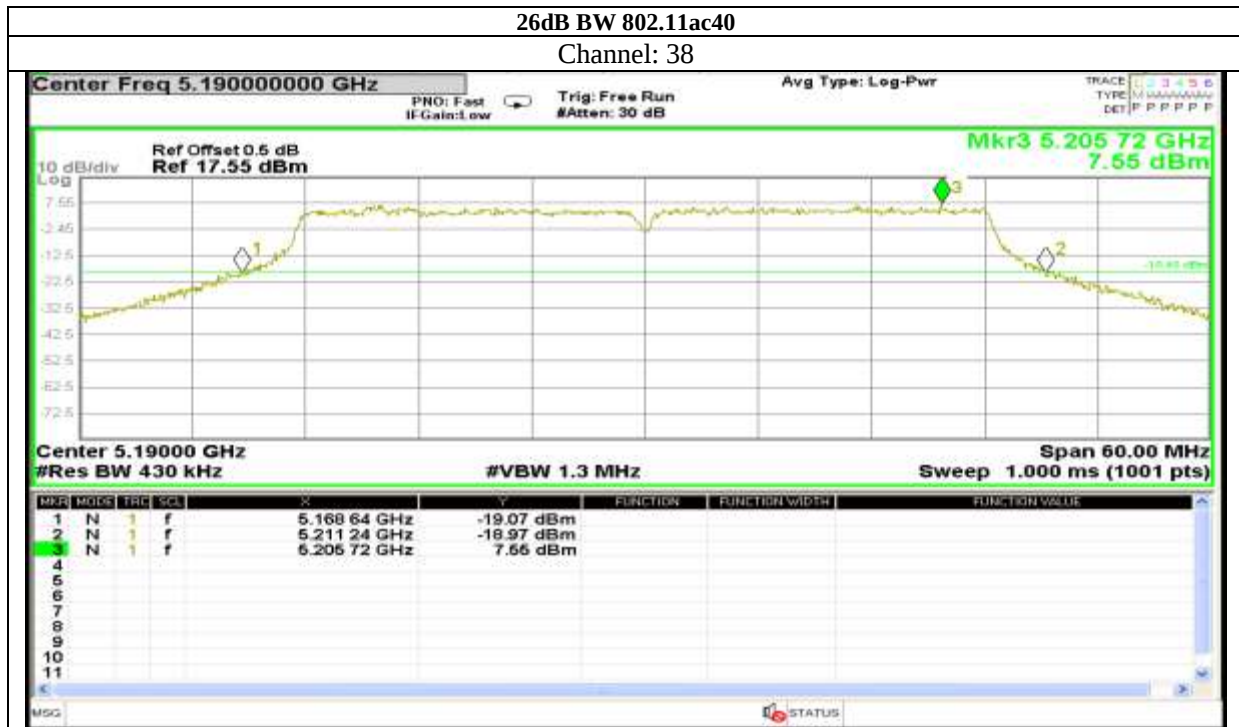
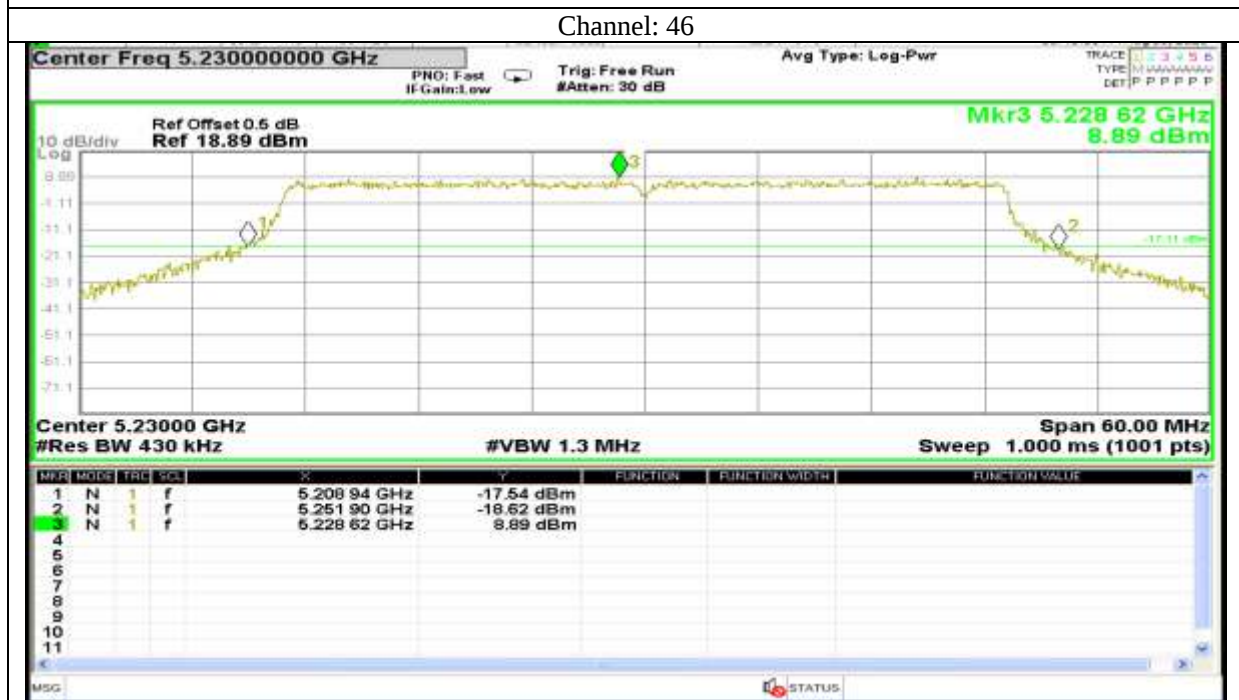
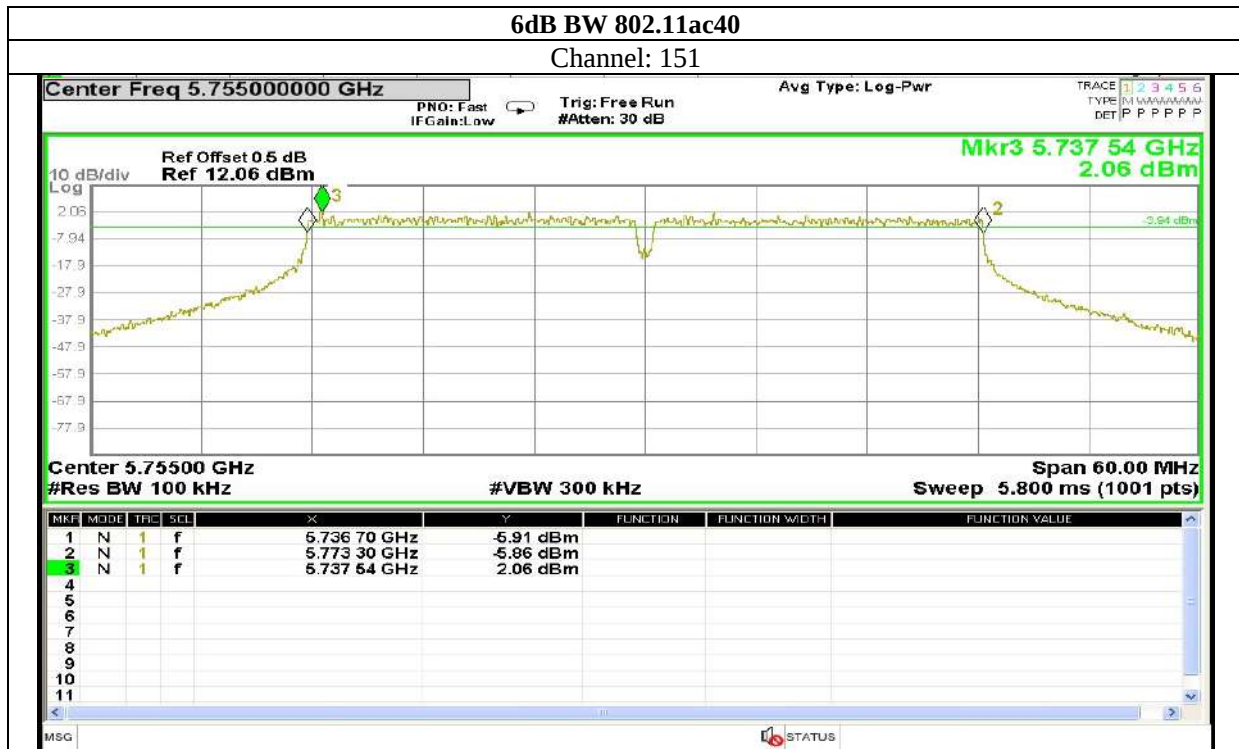














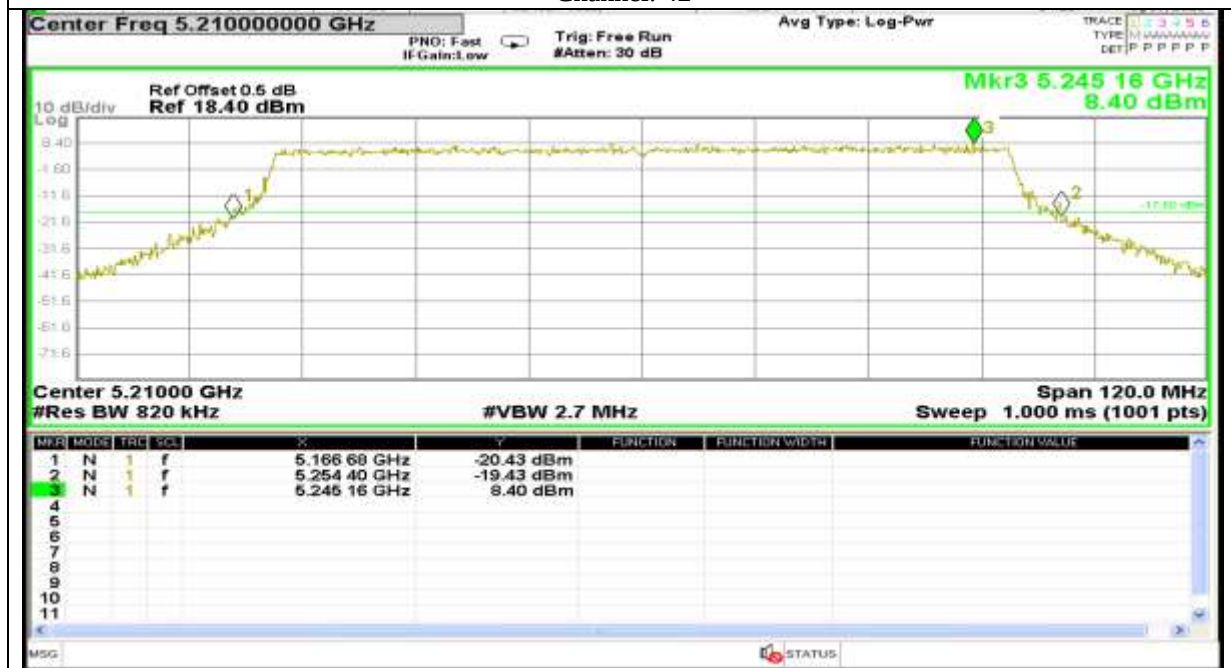
## 26dB BW 802.11ac80

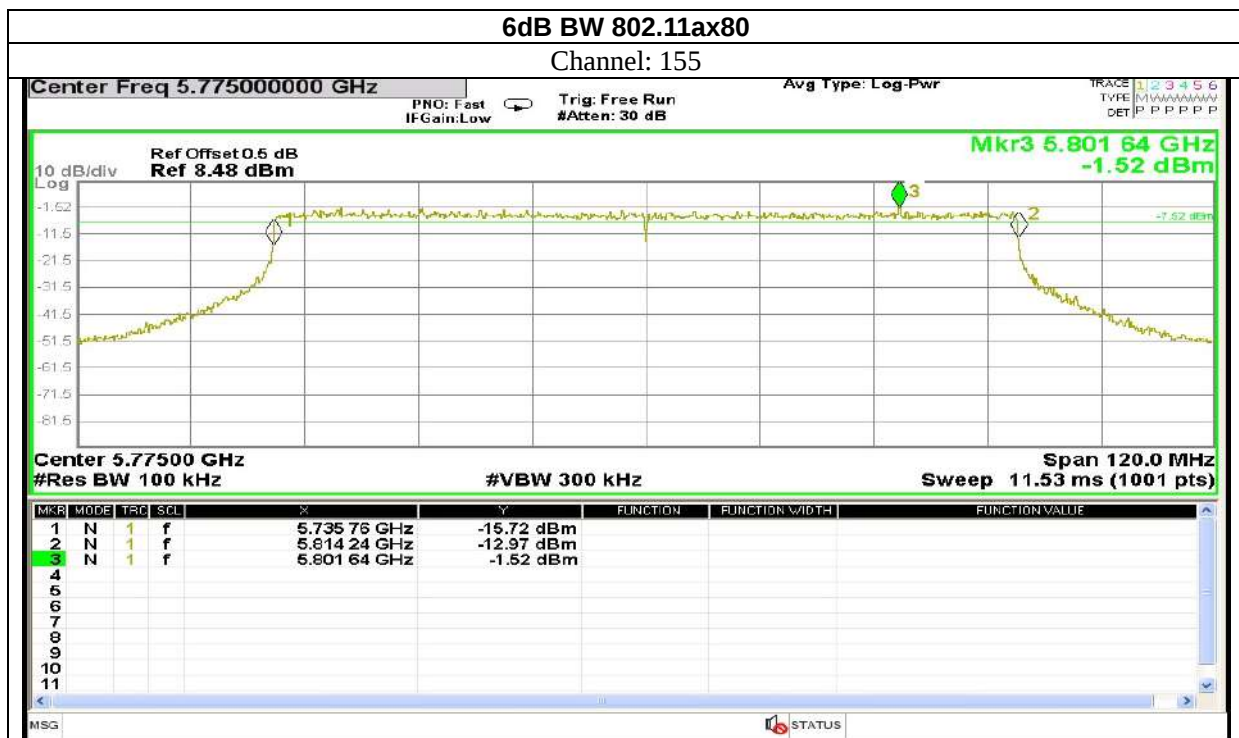
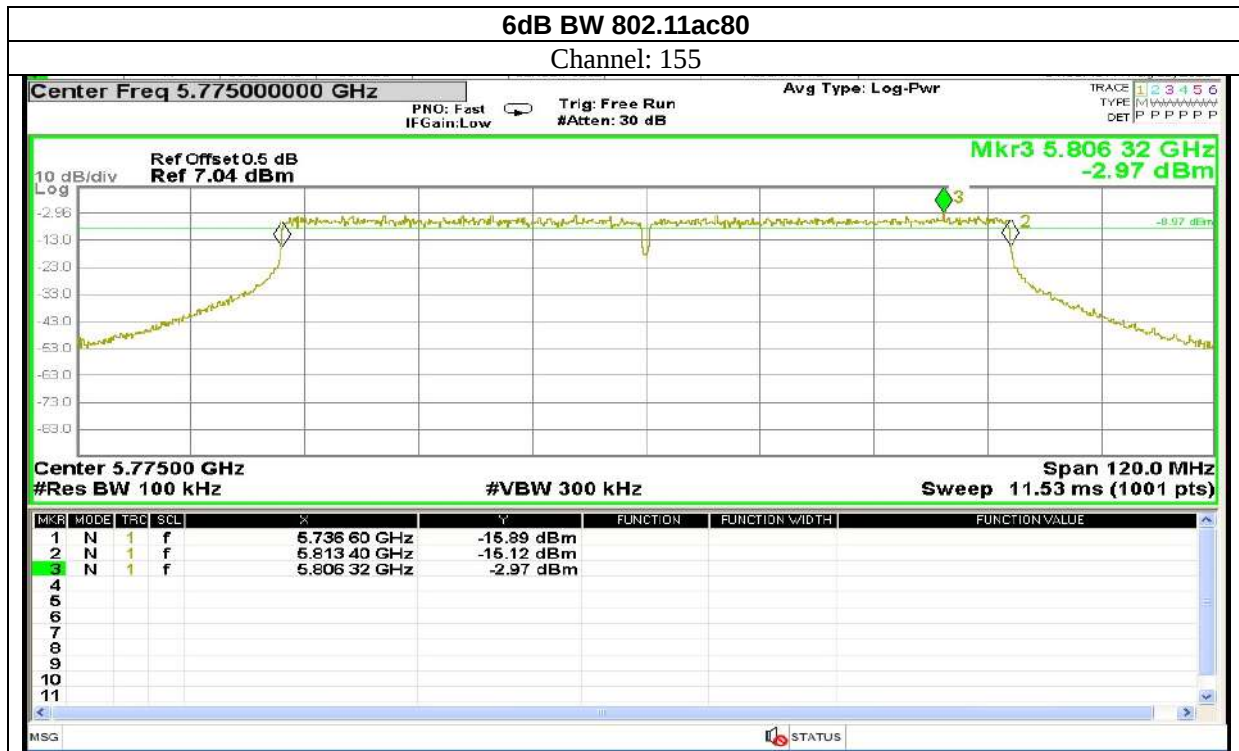
Channel: 42

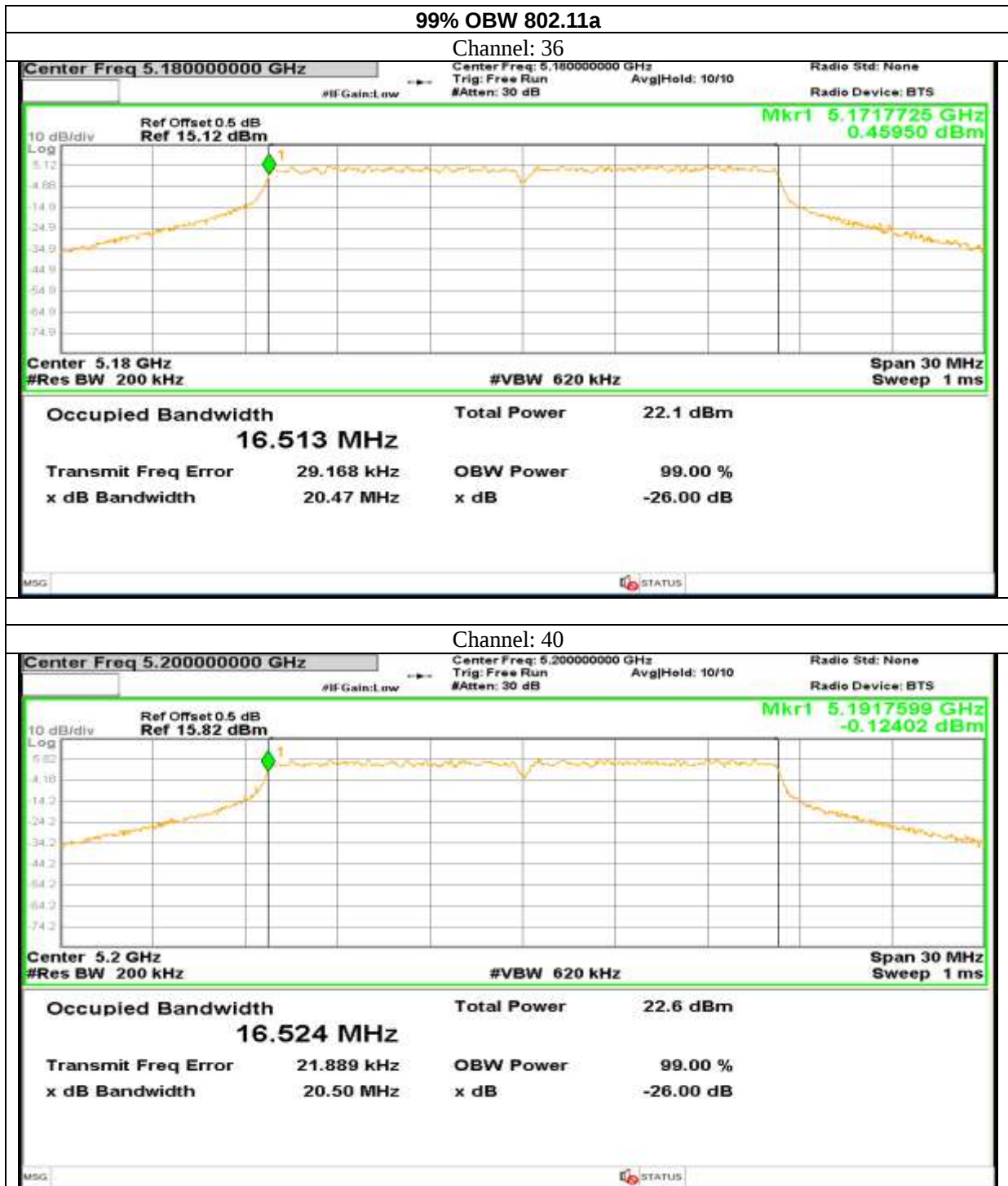


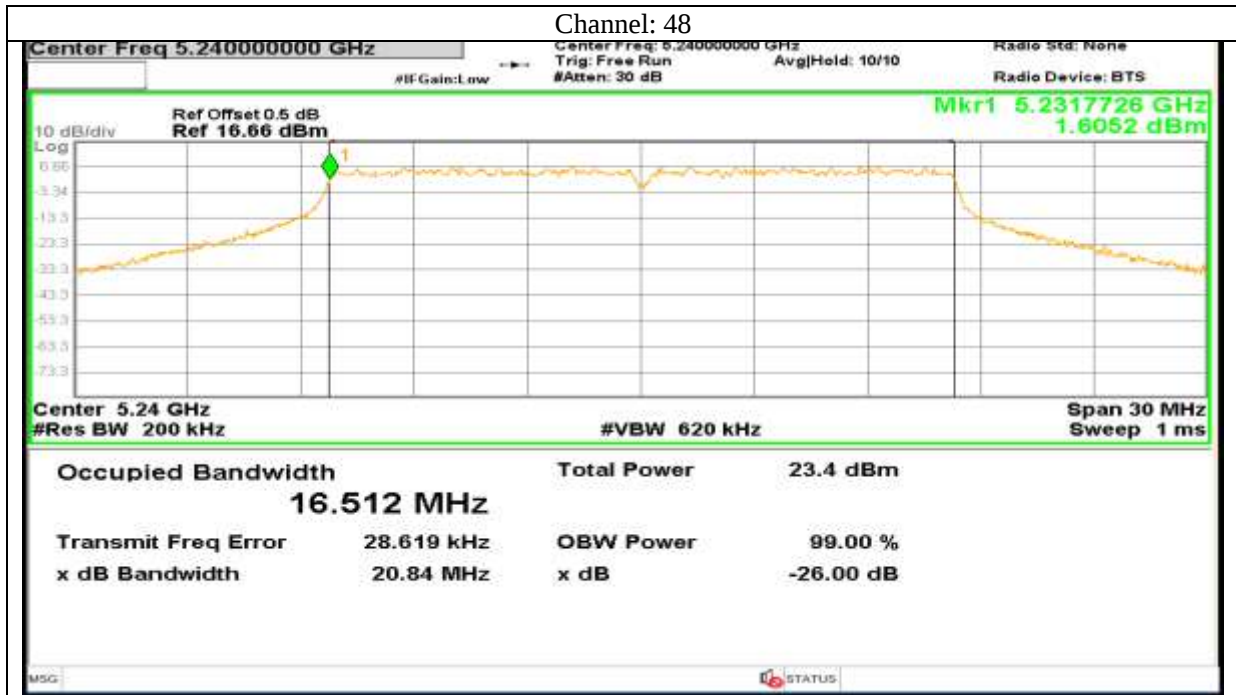
## 26dB BW 802.11ax80

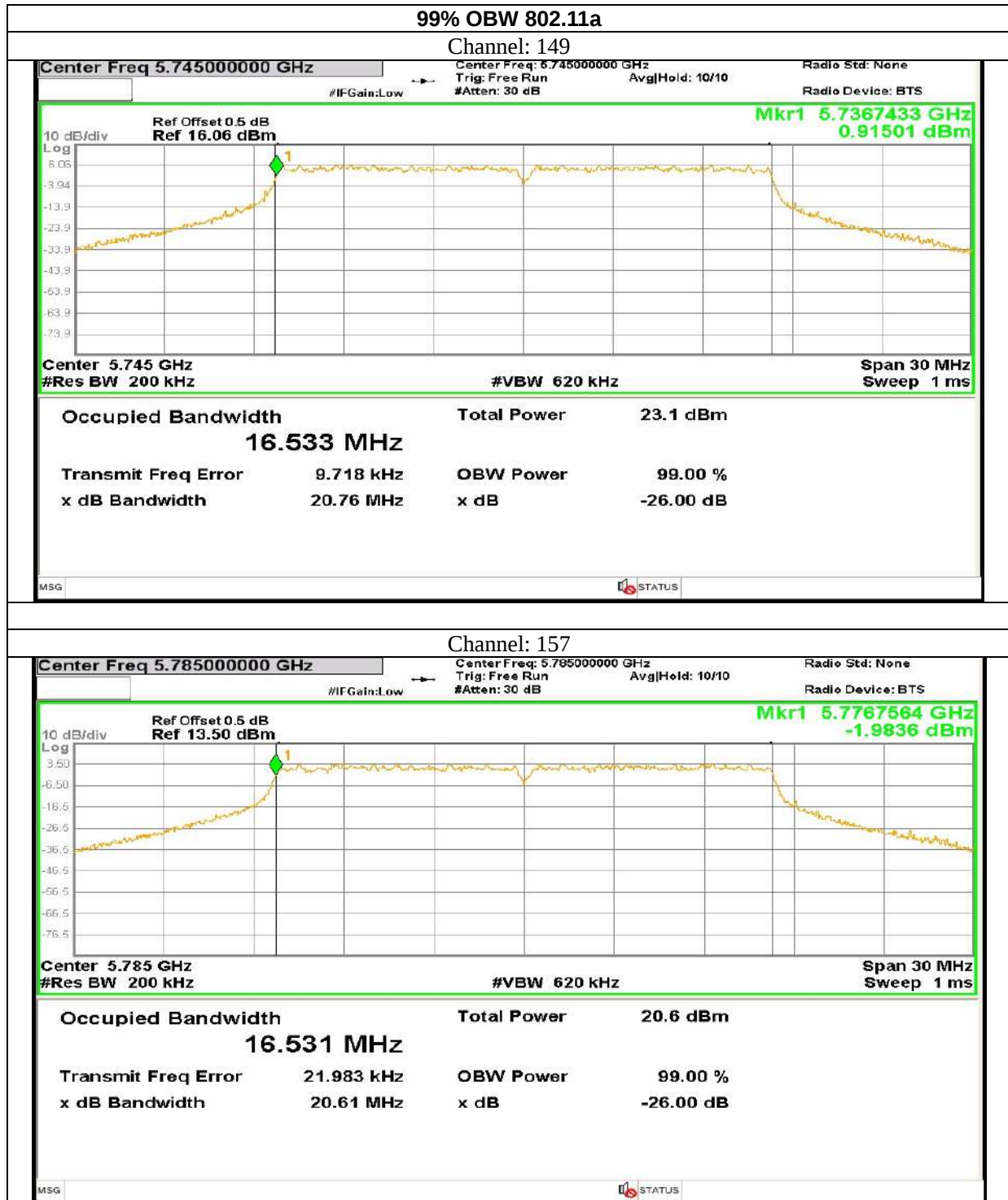
Channel: 42

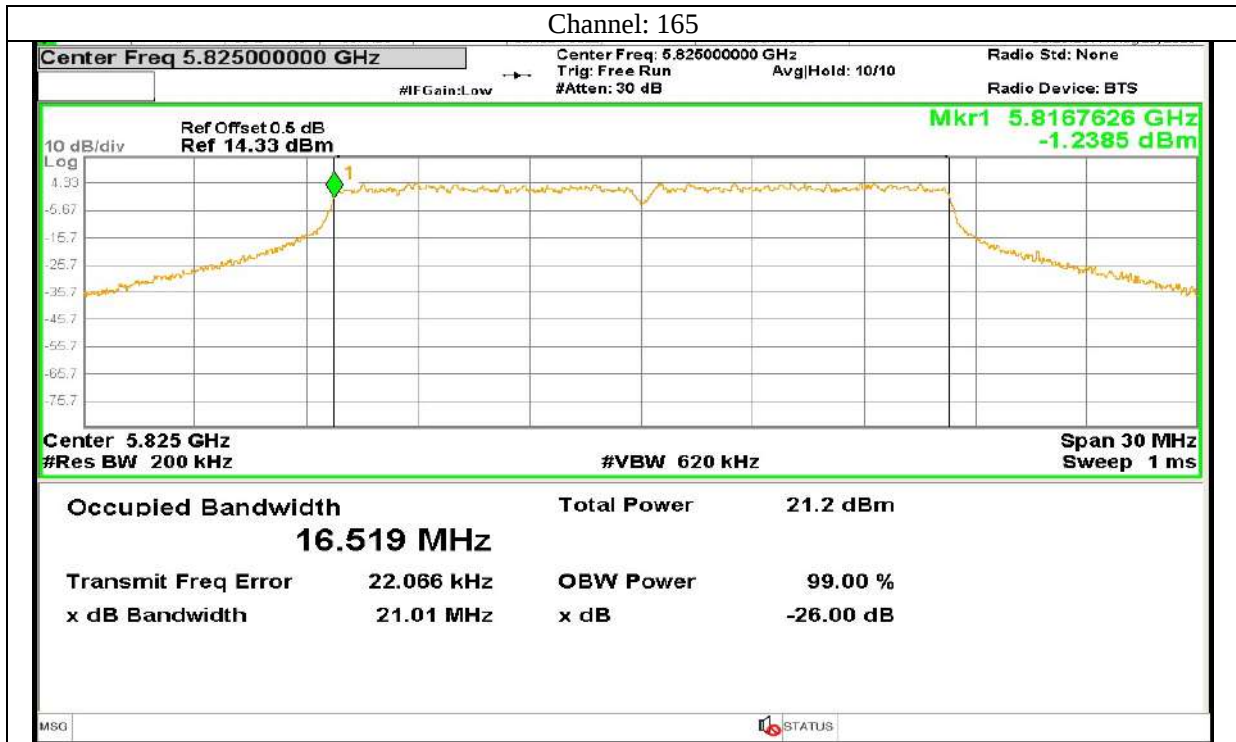


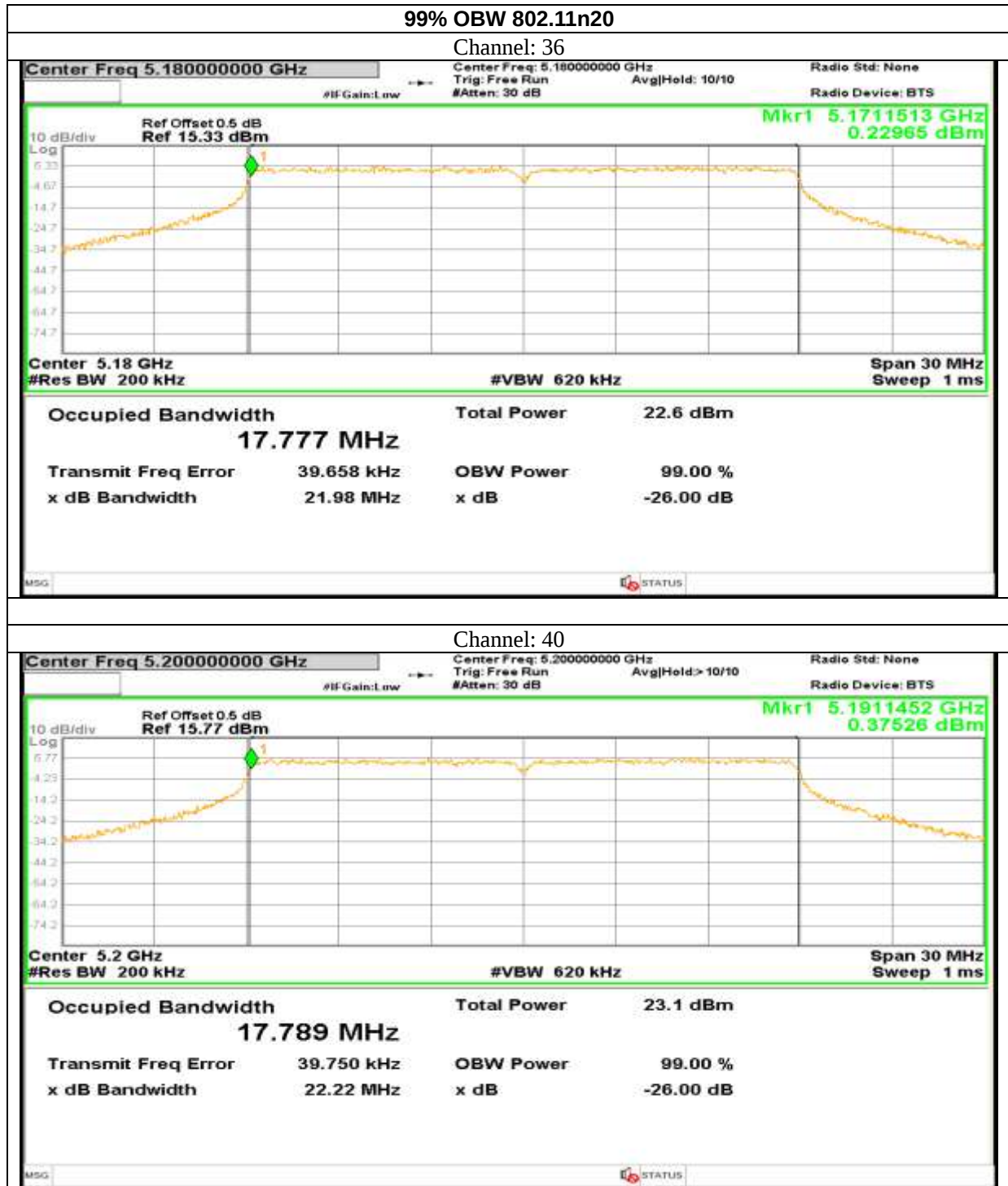


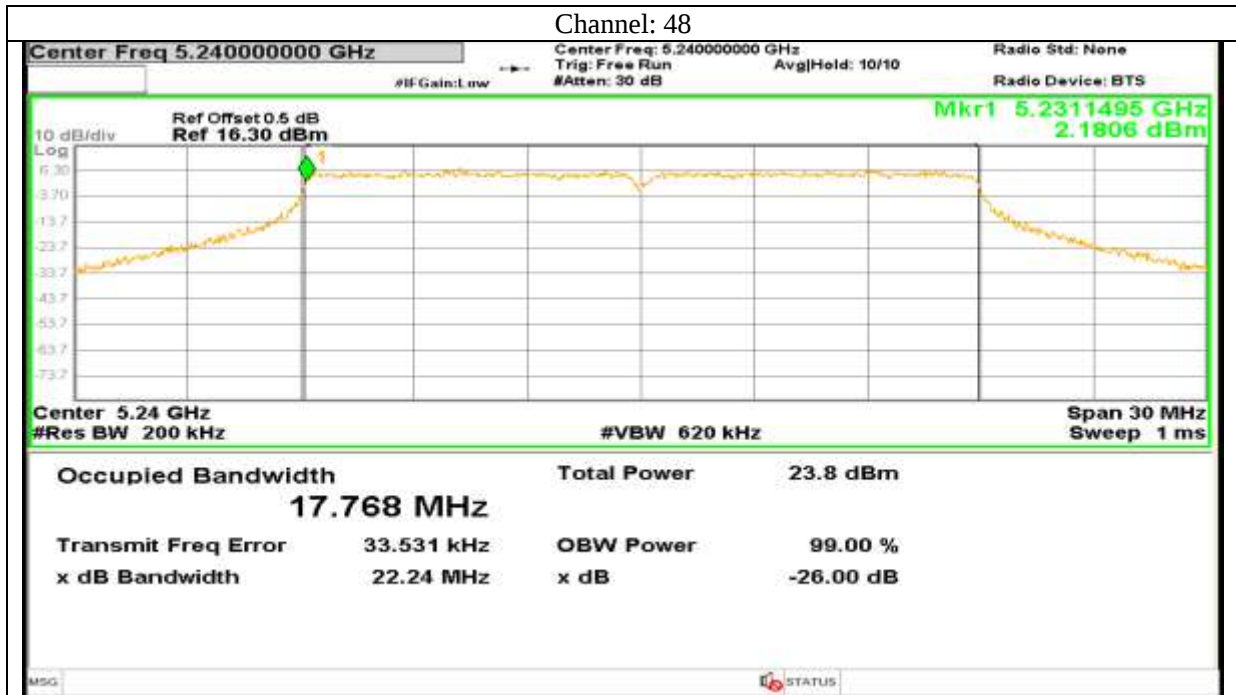


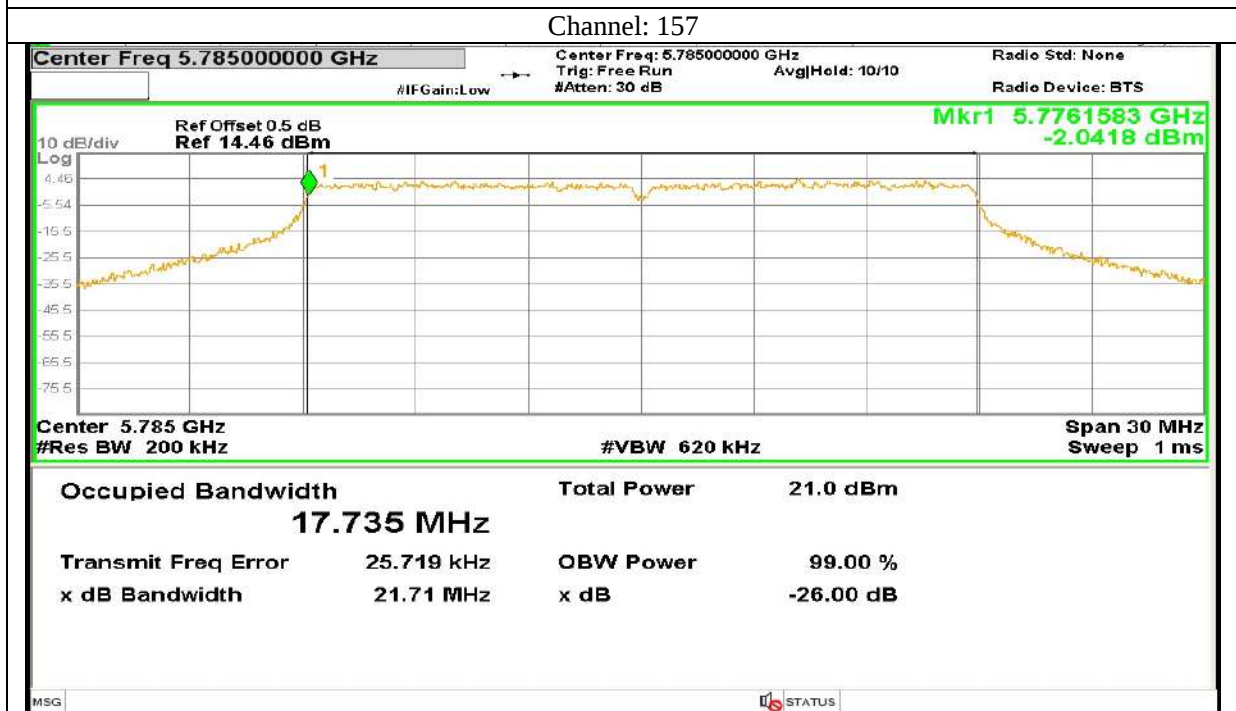
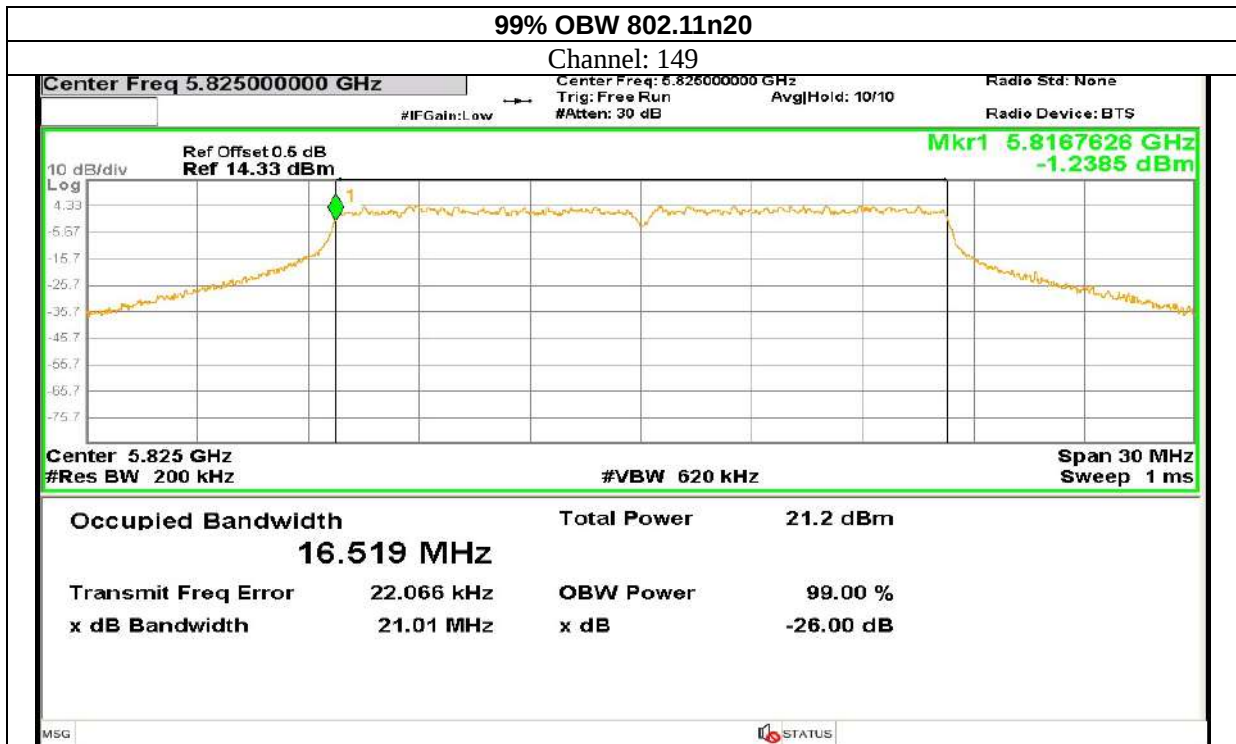


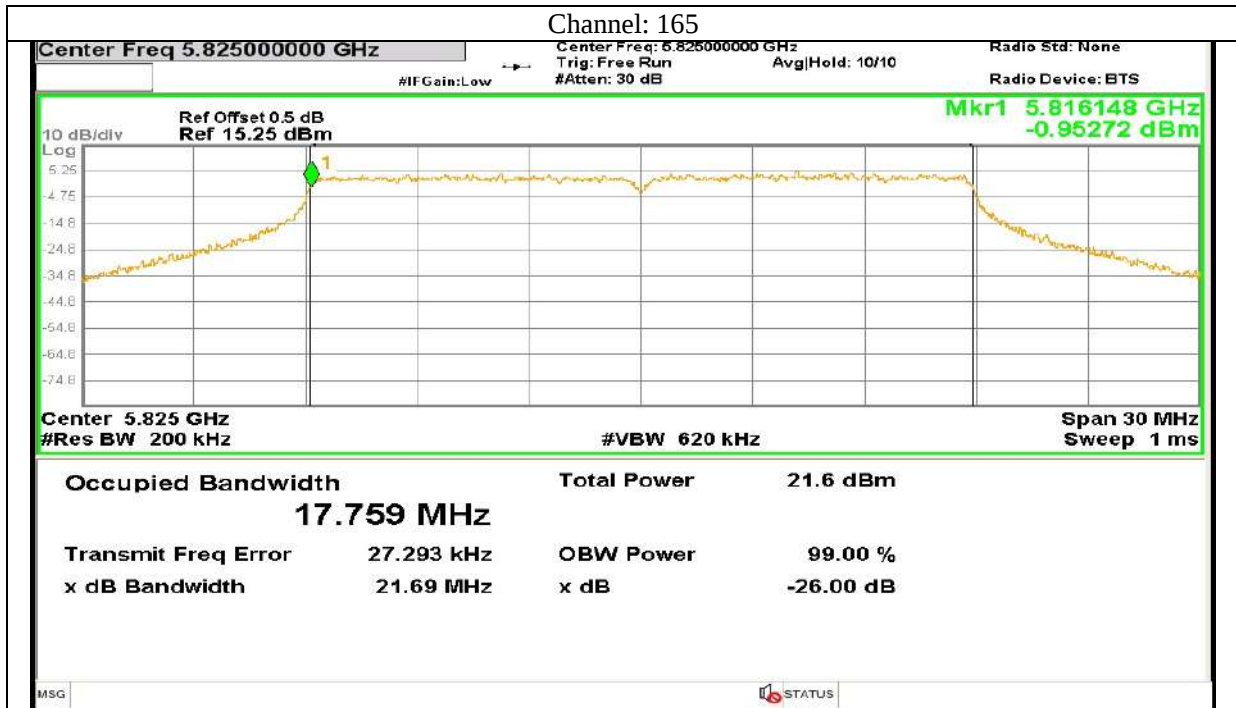


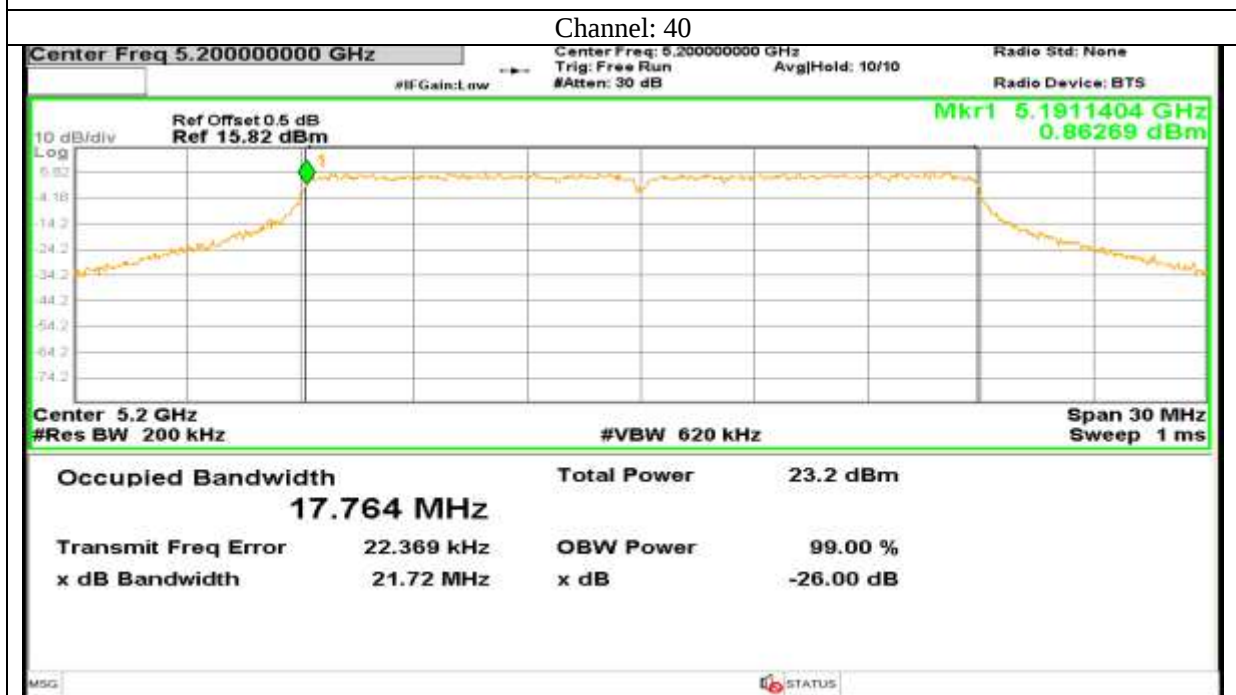
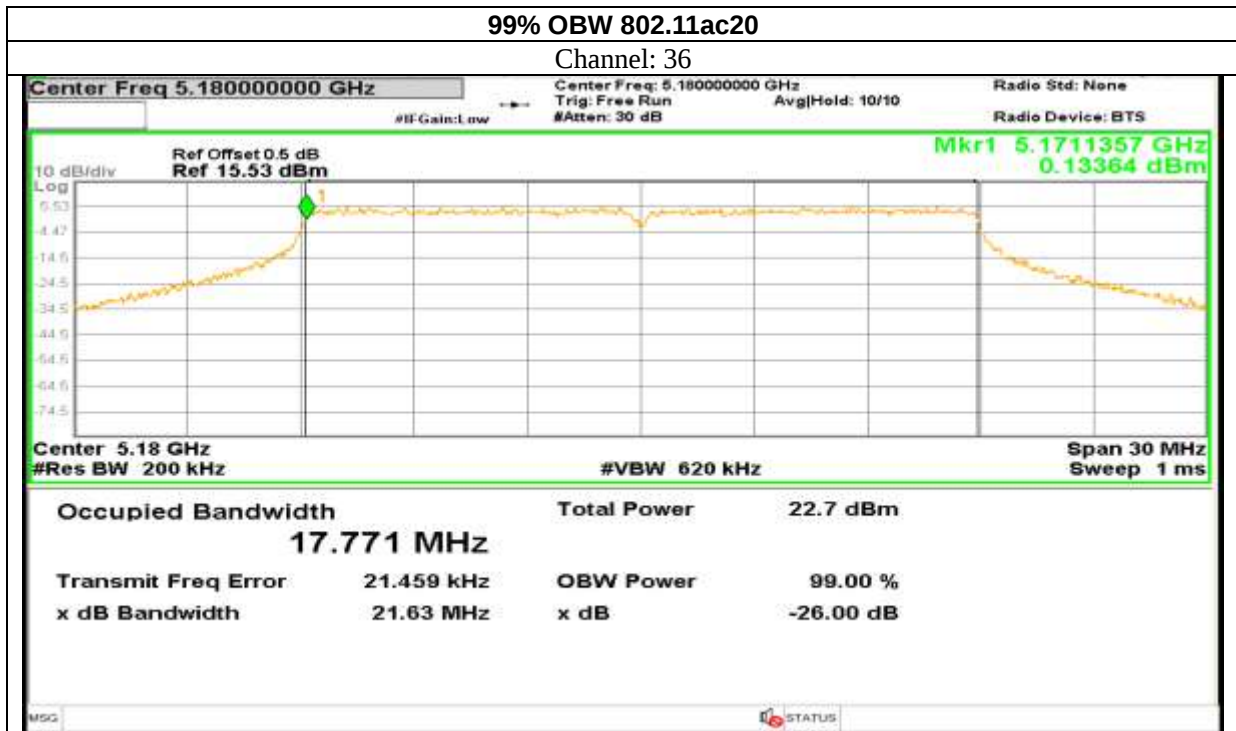


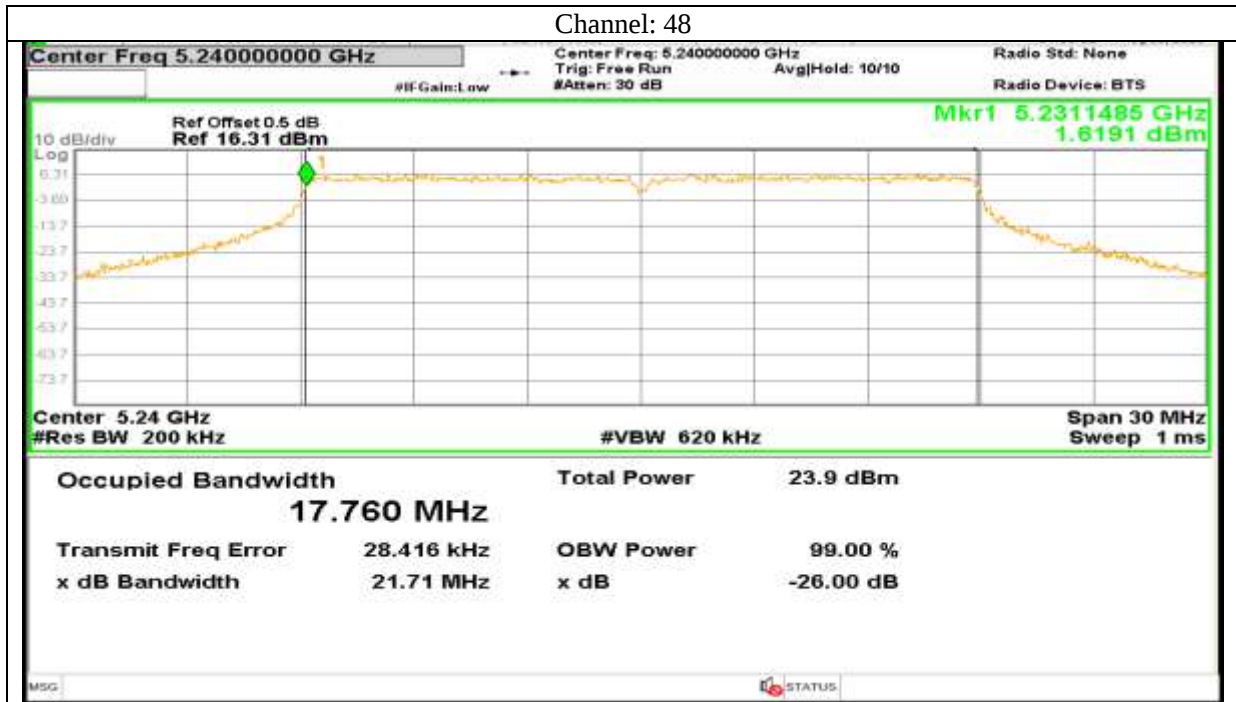


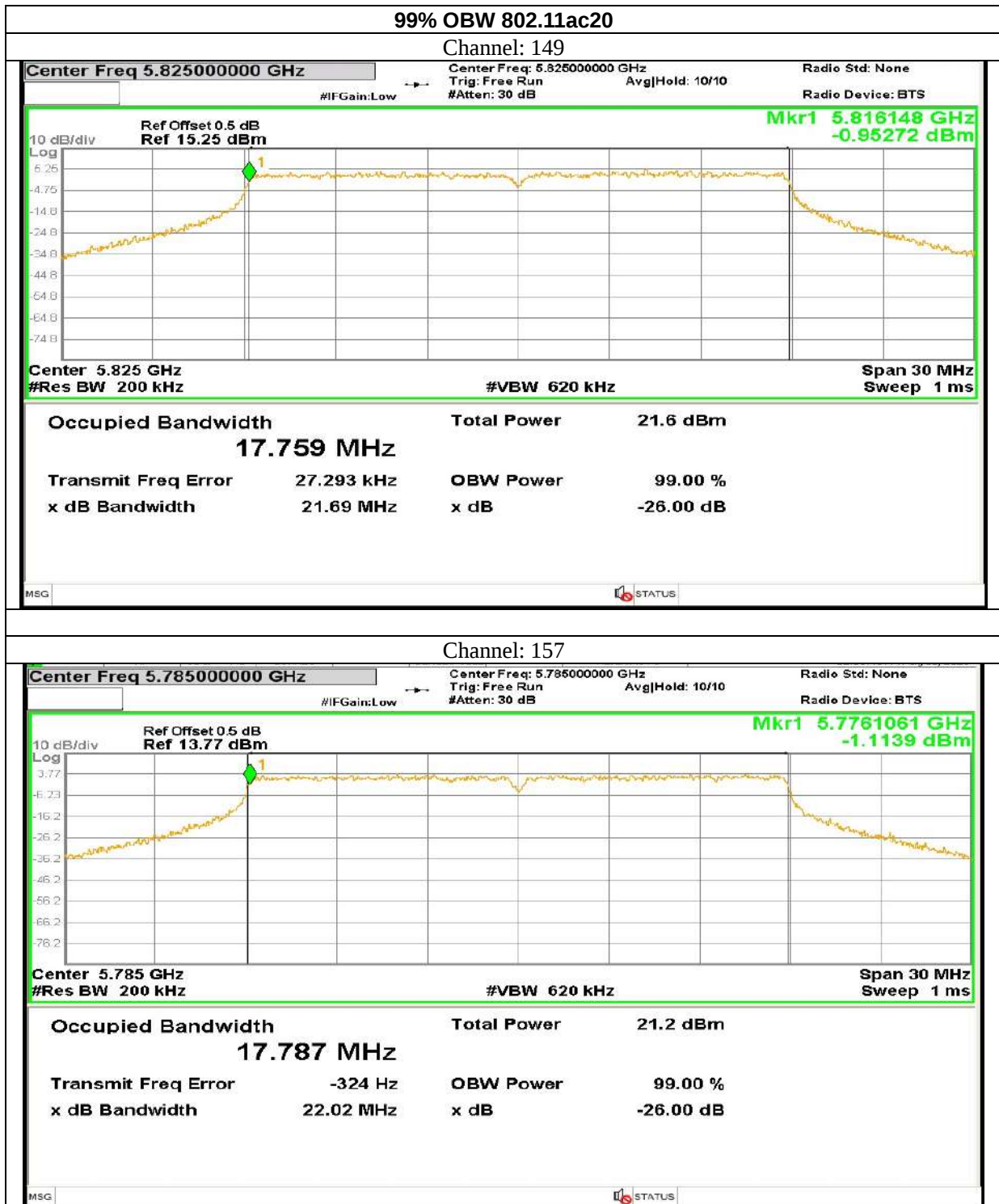


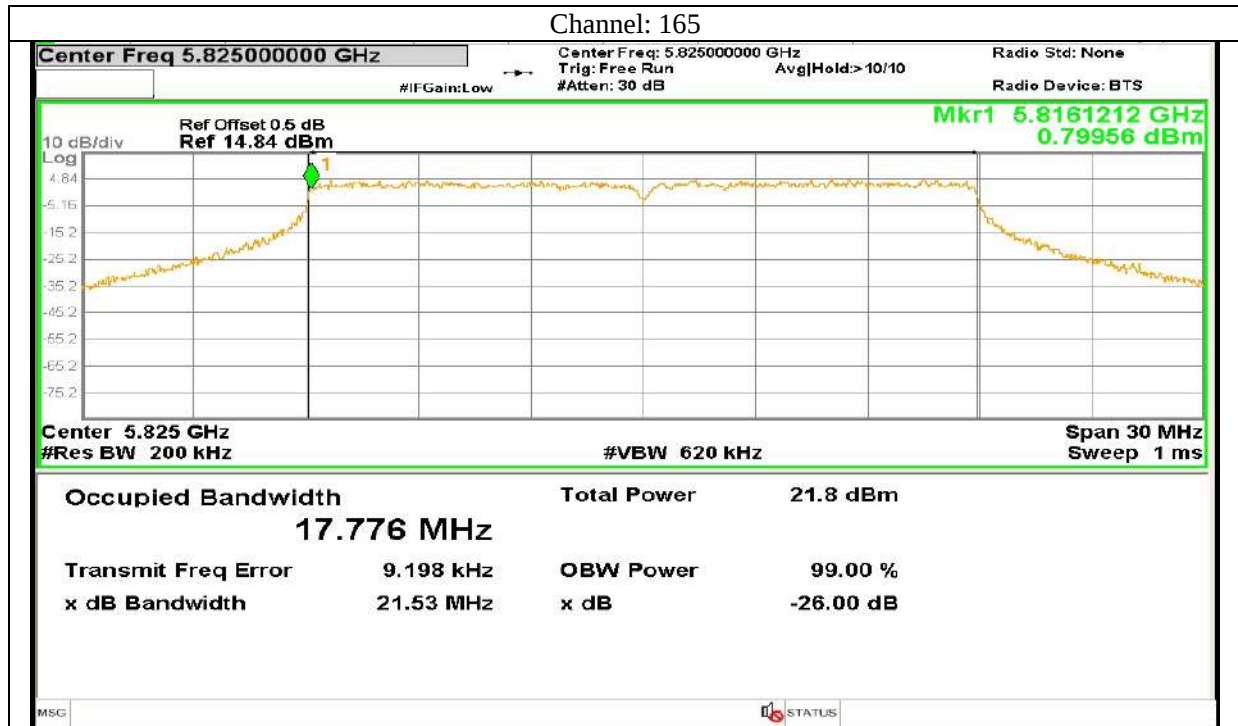






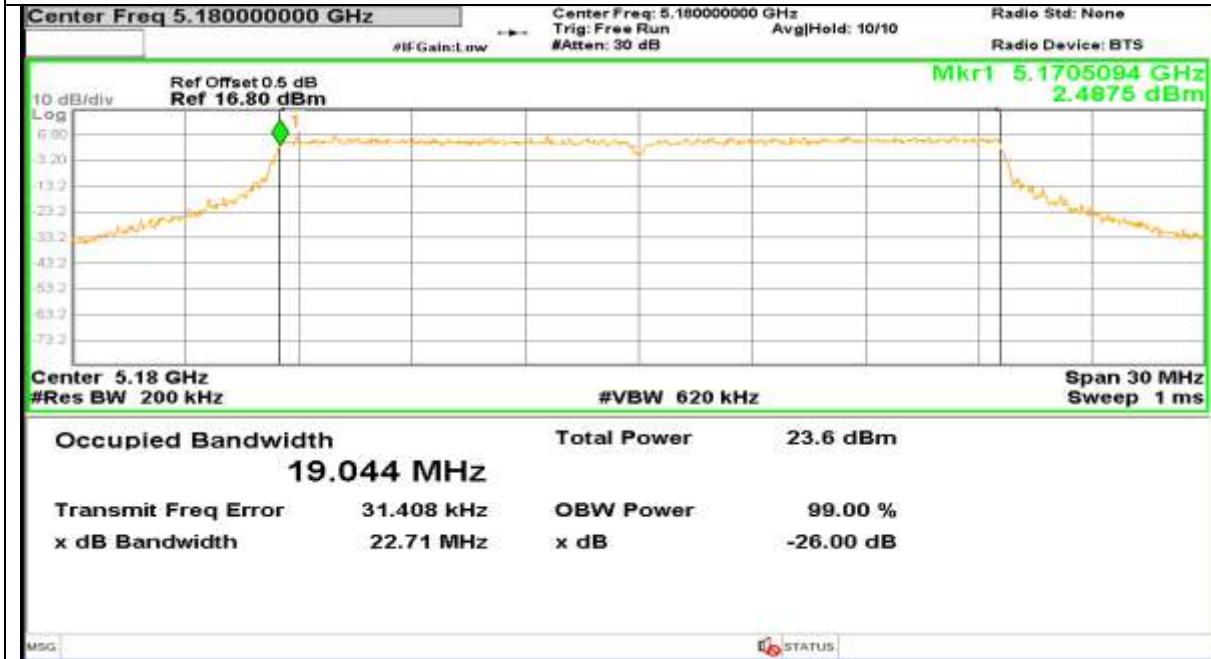




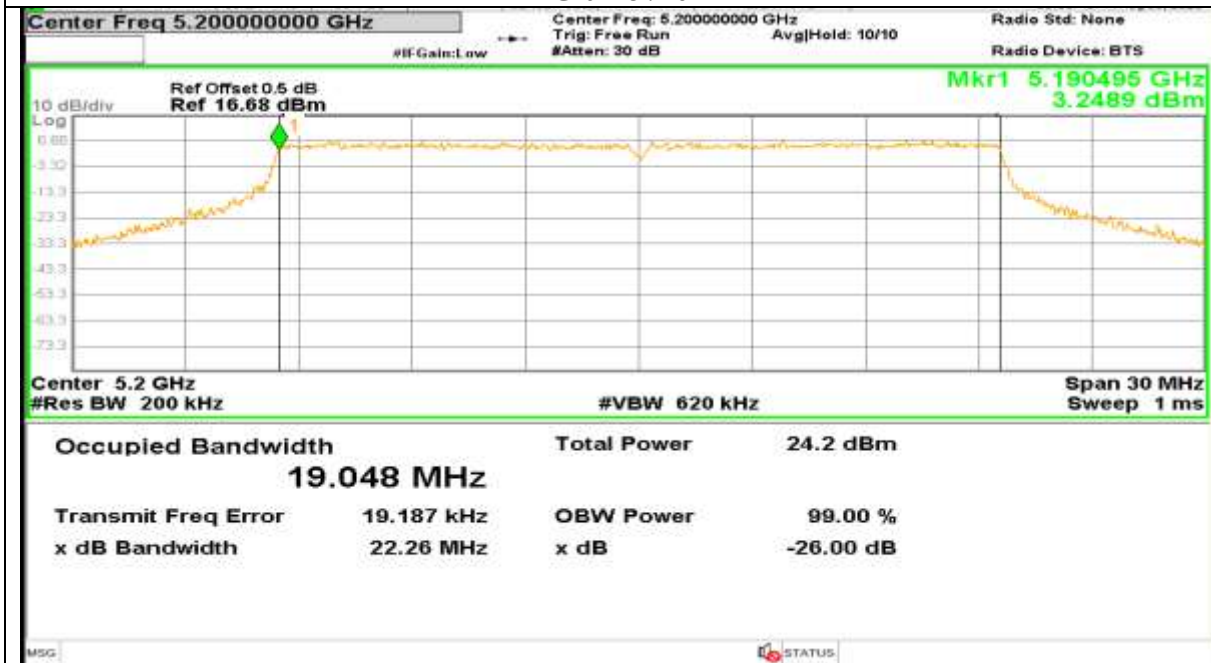


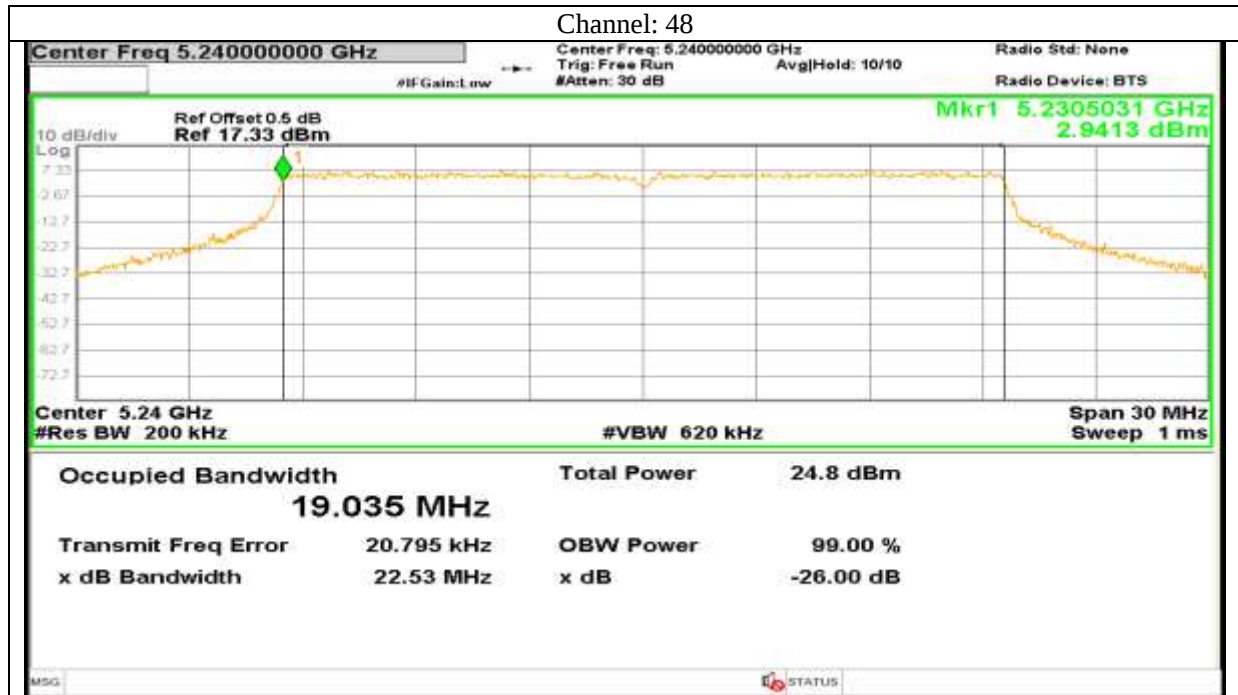
### 99% OBW 802.11ax20

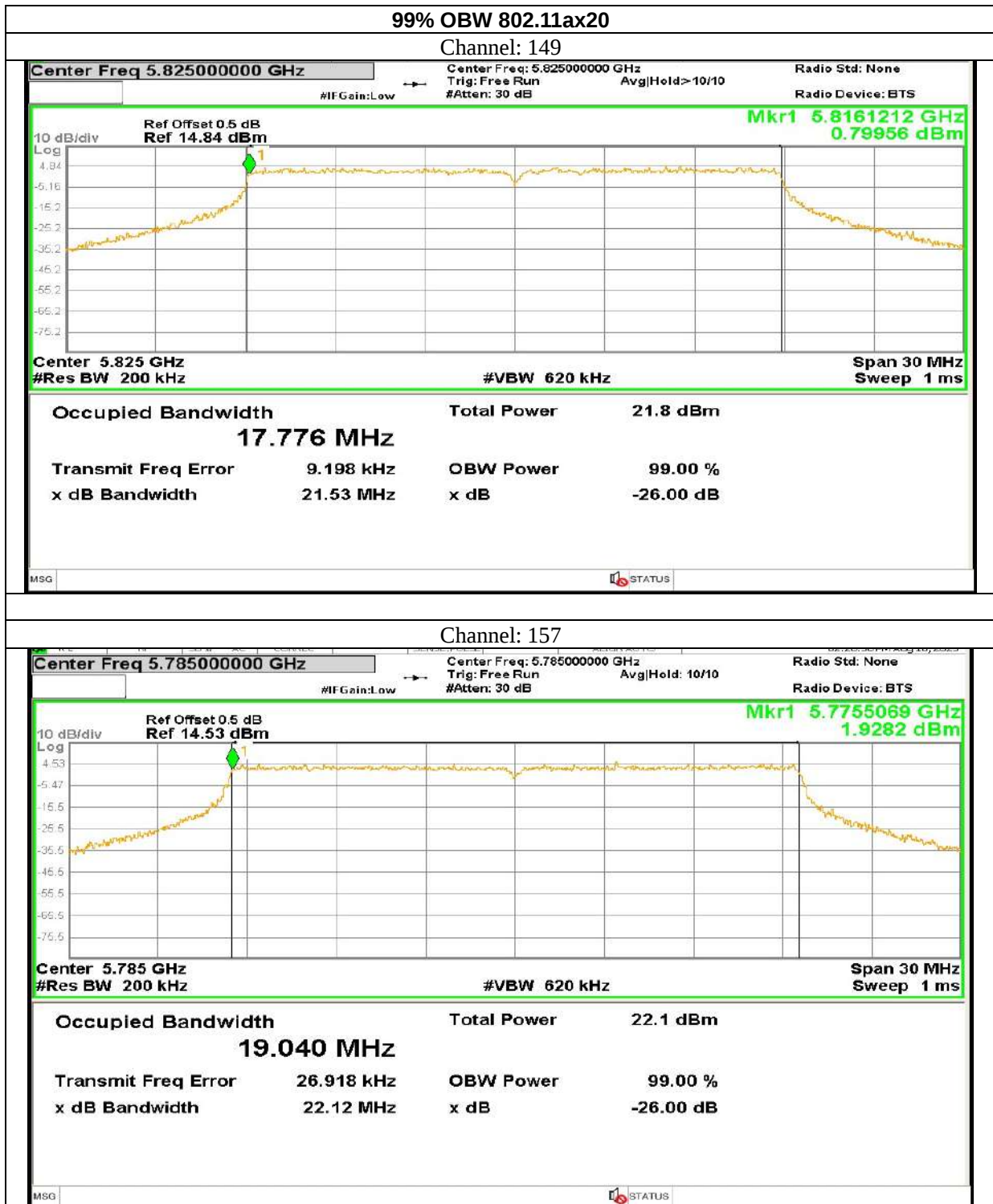
Channel: 36

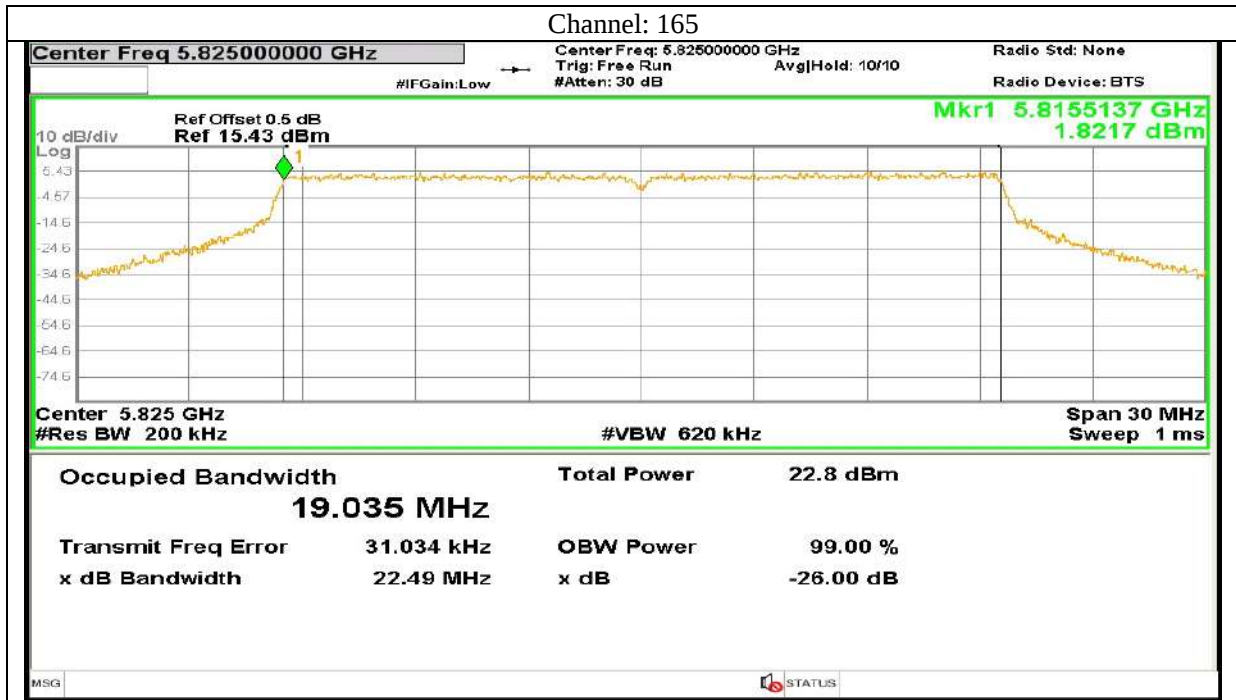


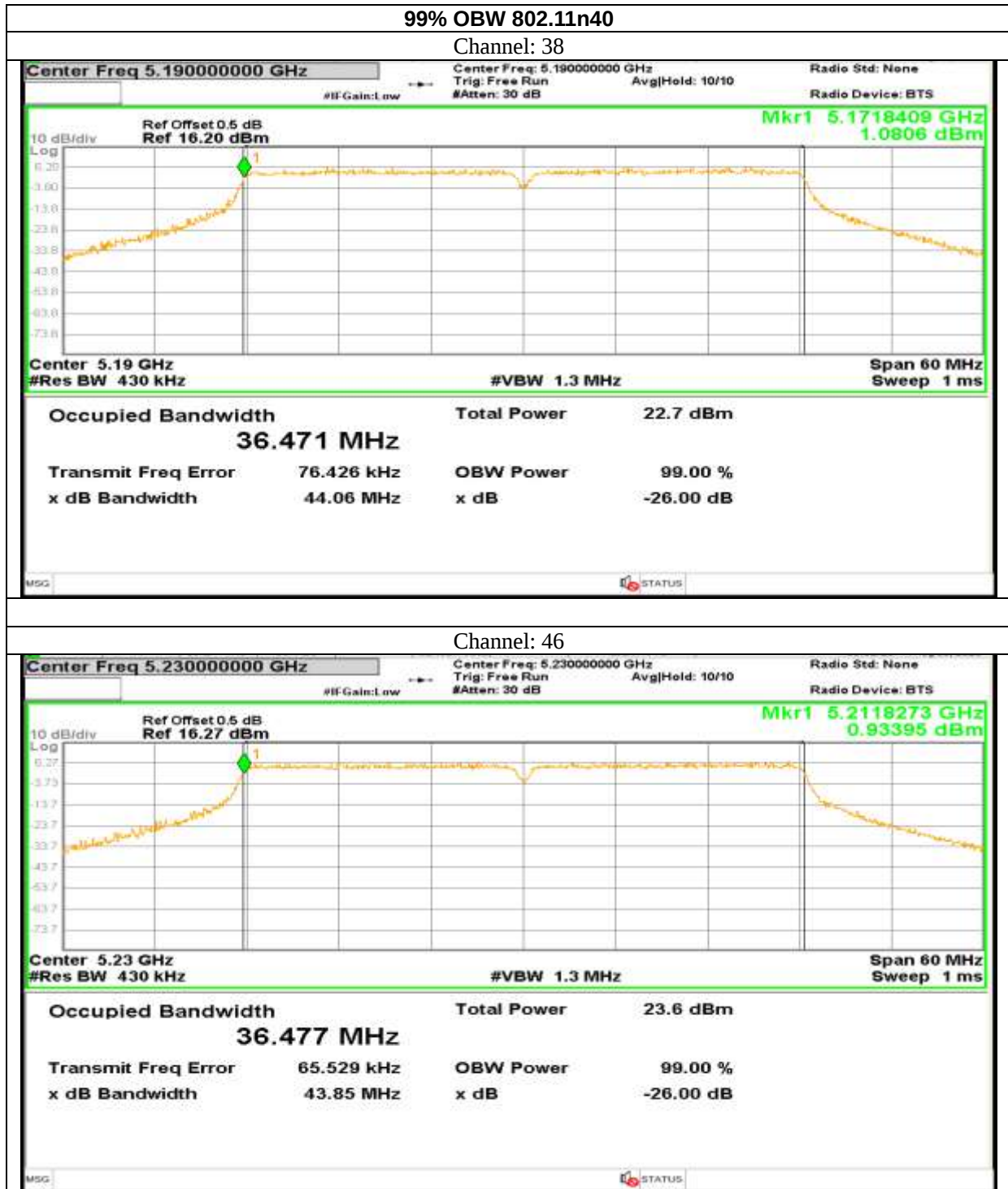
Channel: 40

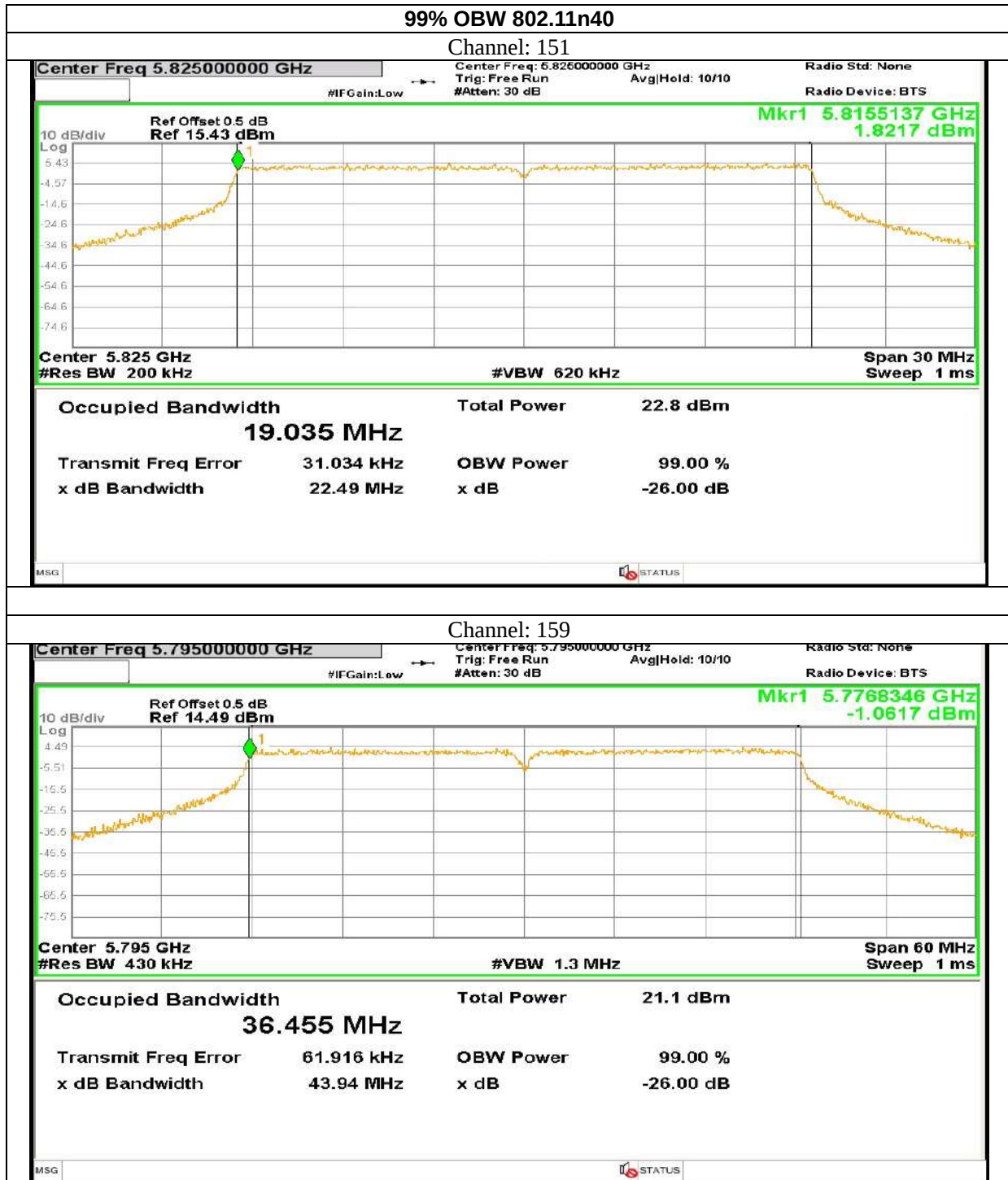


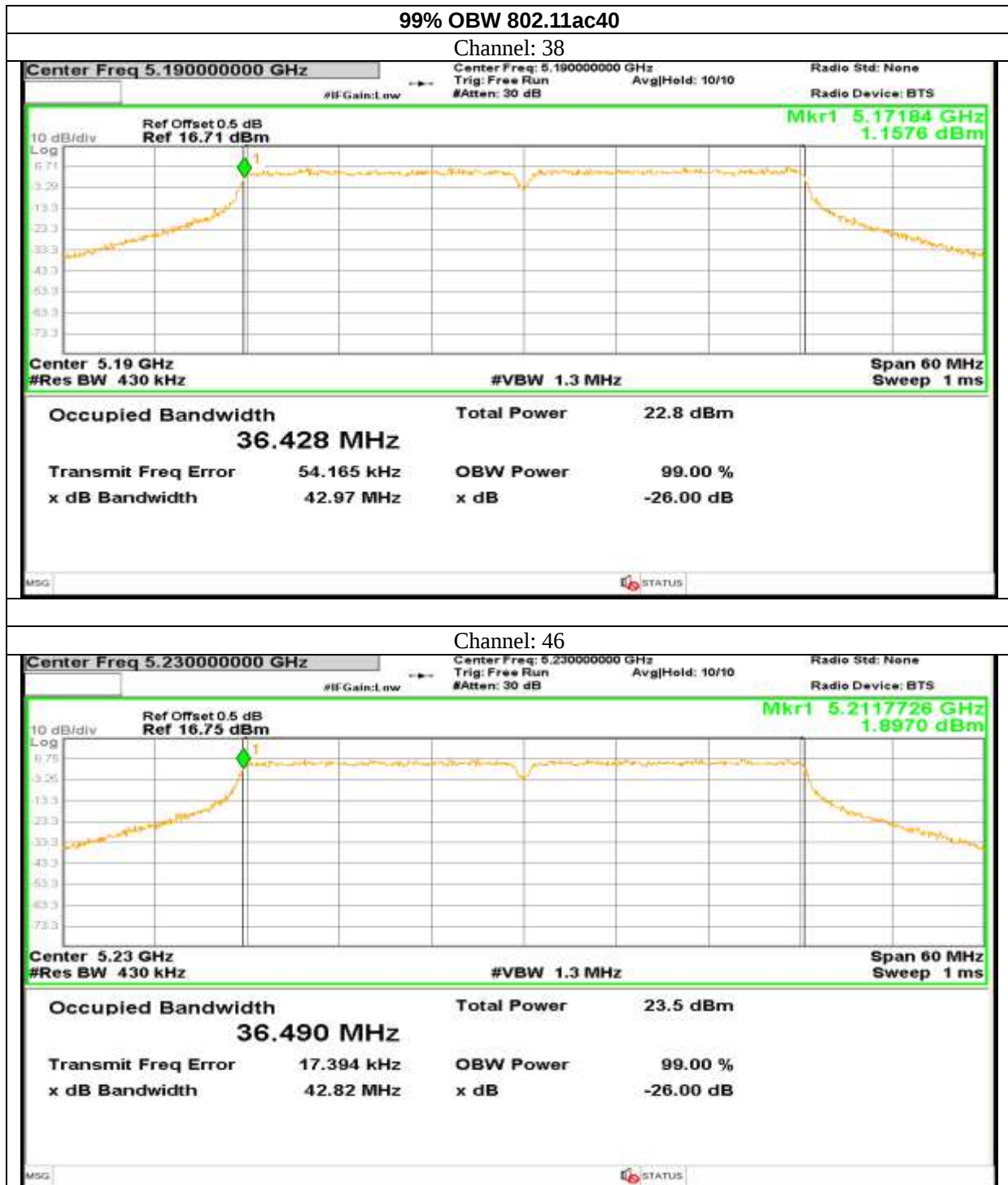


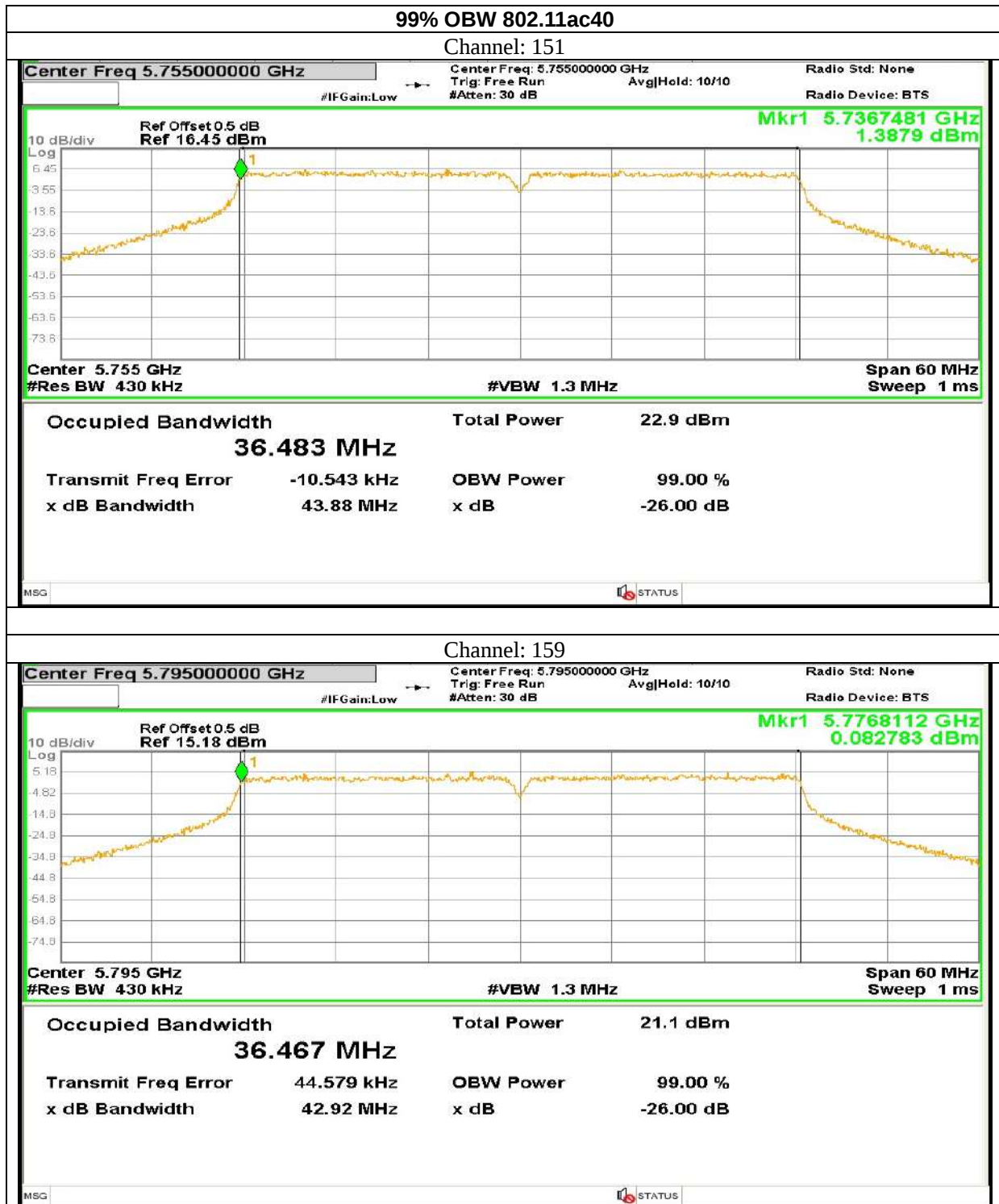






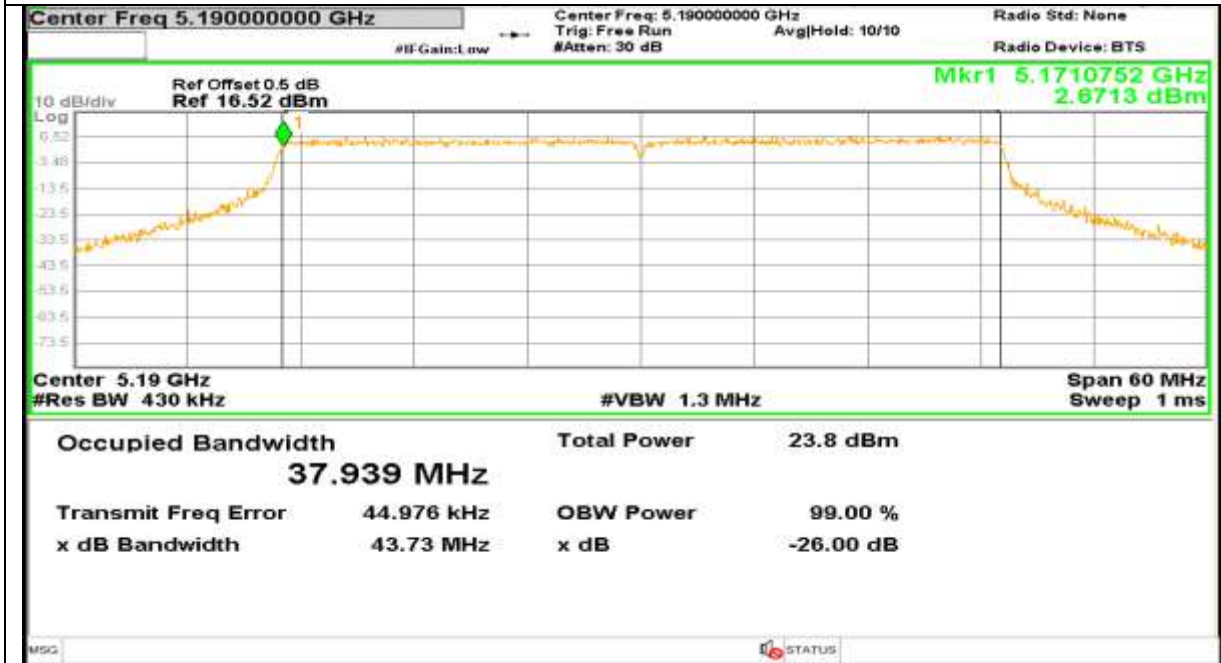




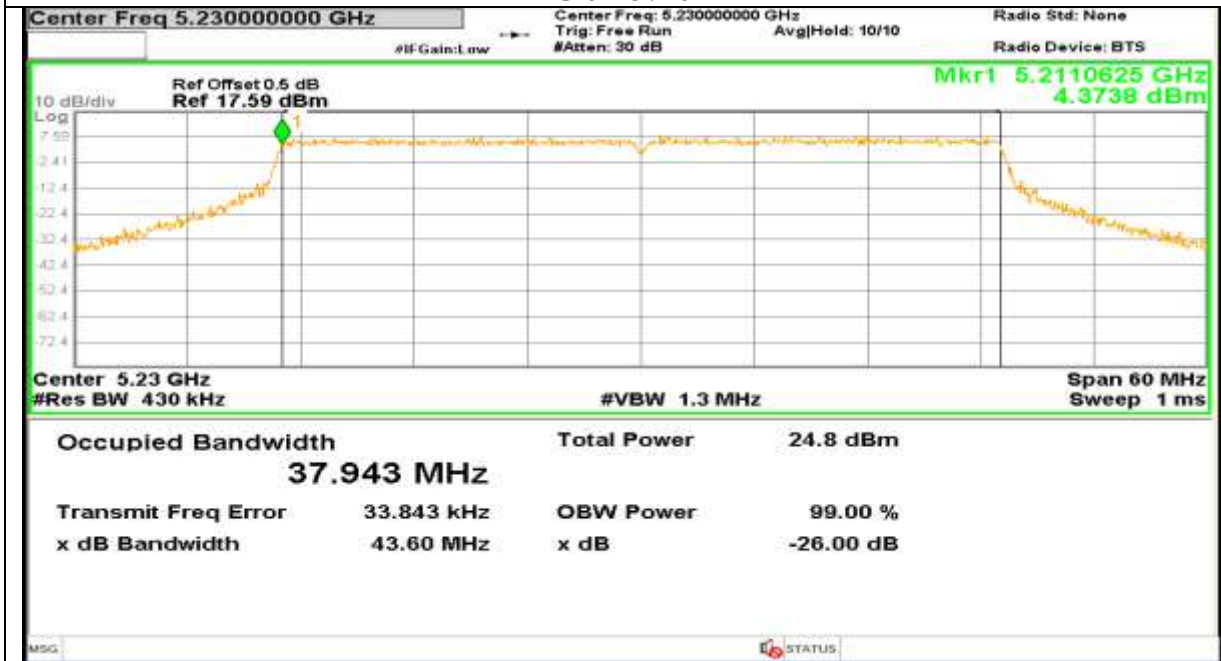


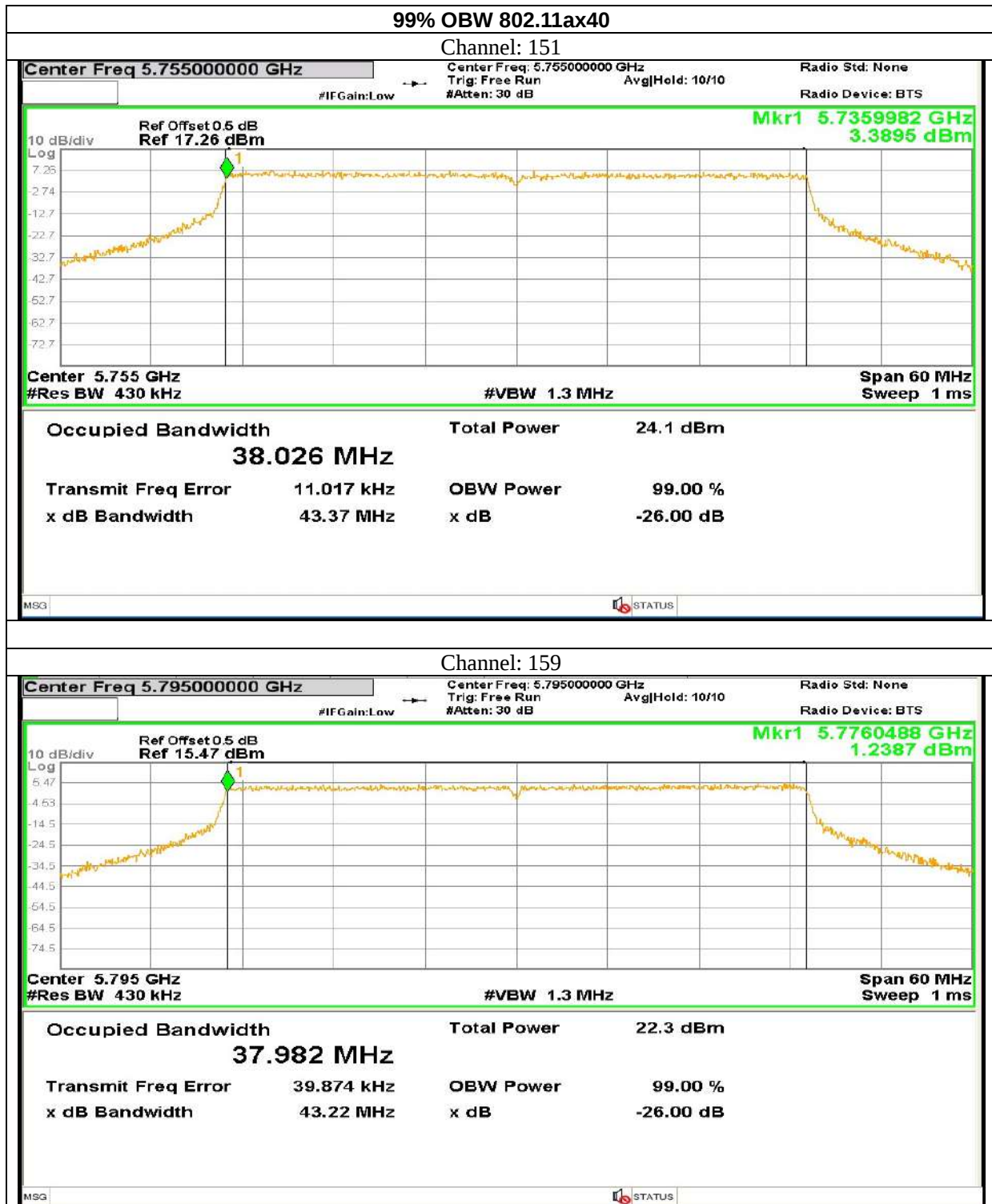
### 99% OBW 802.11ax40

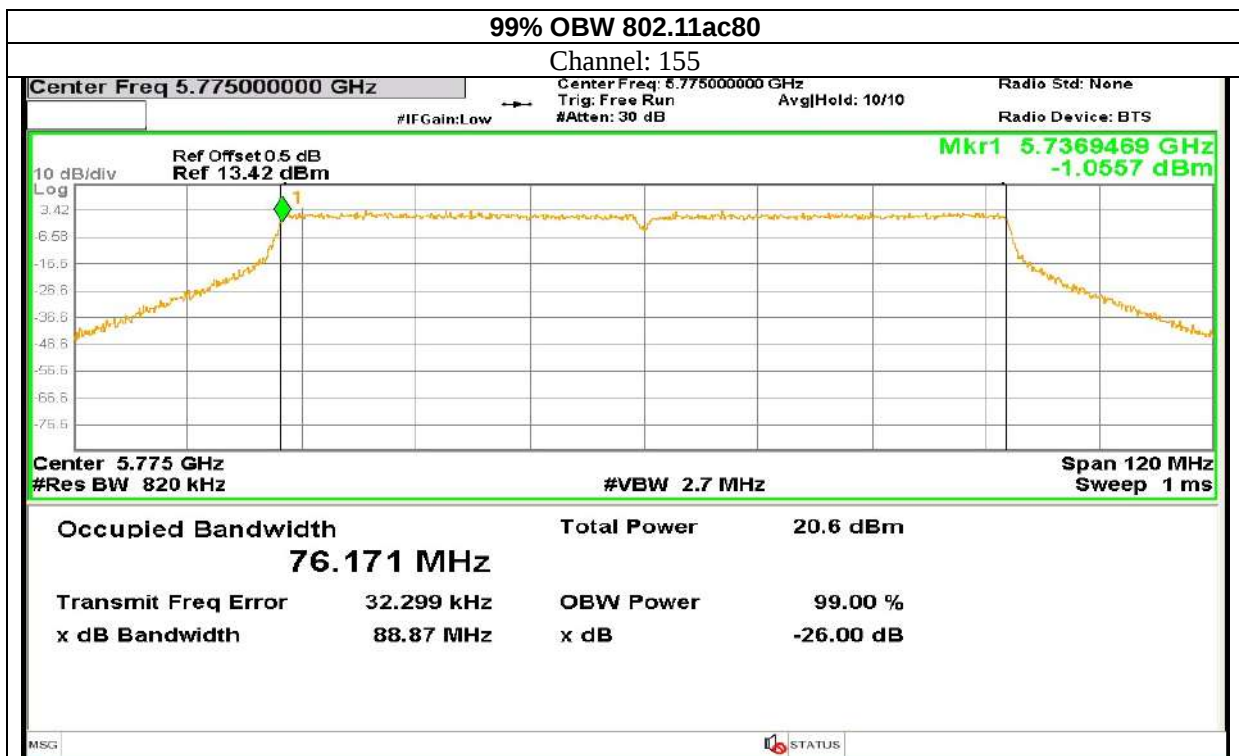
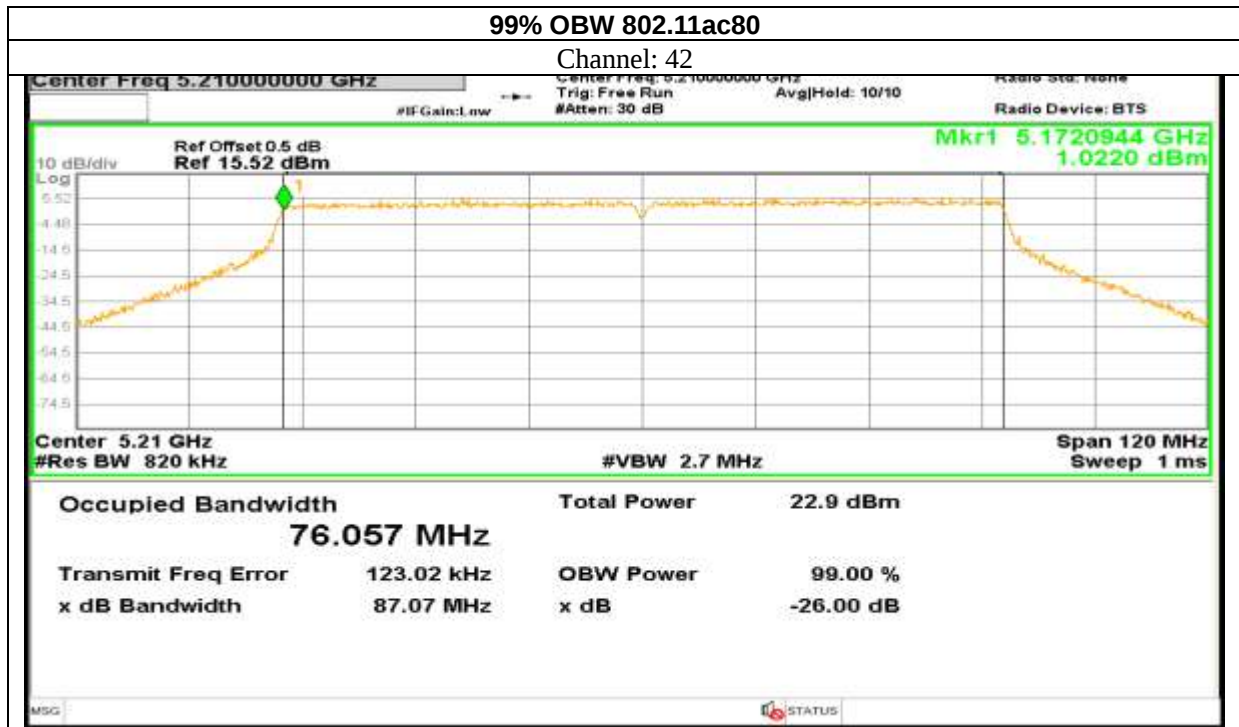
Channel: 38

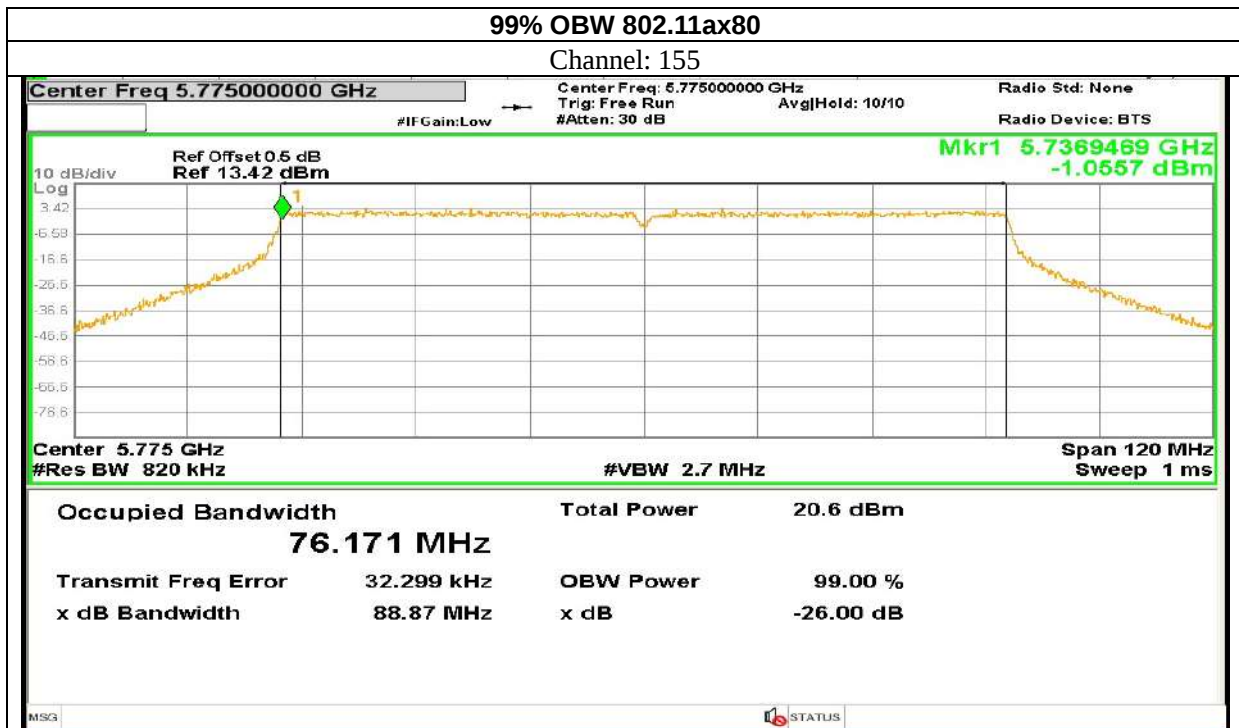
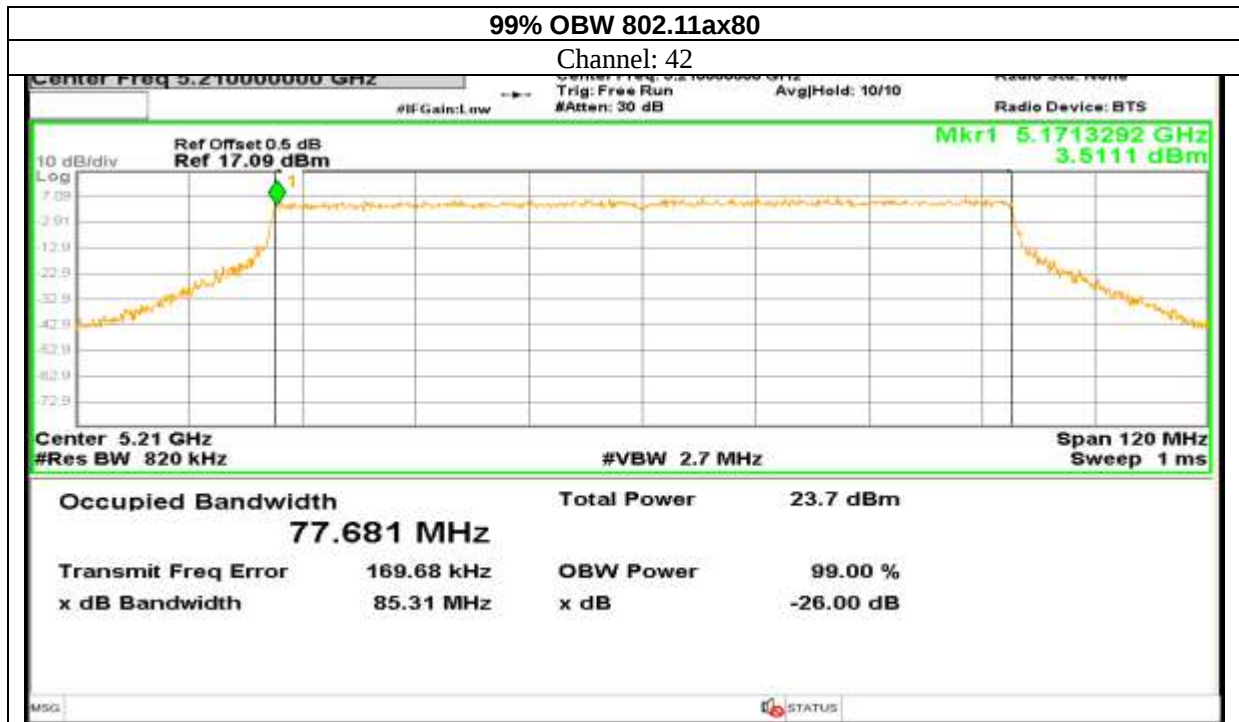


Channel: 46

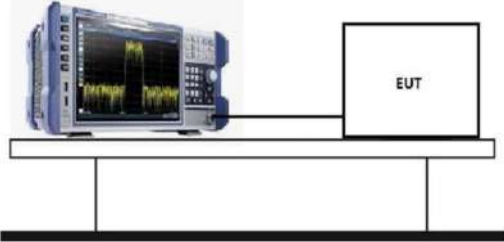








## 6. MAXIMUM CONDUCTED OUTPUT POWER

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 E Section 15.407                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Test Method:      | KDB 789033 D02 General UNII Test Procedures New Rules v02r01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Limit:            | For the band 5.15-5.25 GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 250mW.<br>For the band 5.745-5.850 GHz, the maximum conducted output power over the frequency bands of operation shall not exceed 30dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Test setup:       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Test procedure:   | <p style="text-align: center;"><b>Measurement using an RF average power meter</b></p> <p>(i) Measurements may be performed using a wideband RF spectrum Analyser with a thermocouple detector or equivalent if all of the conditions listed below are satisfied</p> <p>a) The EUT is configured to transmit continuously or to transmit with a constant duty cycle.</p> <p>b) At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.</p> <p>c) The integration period of the spectrum Analyser exceeds the repetition period of the transmitted signal by at least a factor of five.</p> <p>(ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section B).</p> <p>(iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.</p> <p>(iv) Adjust the measurement in dBm by adding <math>10 \log(1/x)</math> where x is the duty cycle (e.g., <math>10\log(1/0.25)</math> if the duty cycle is 25 percent).</p> |
| Test Instruments: | Refer to section 3 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Test mode:        | Refer to section 6 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## 6.1. TEST RESULT

### Antenna 0:

| CH. No. | Frequency (MHz) | Output Power (dBm) |                |                  |                 | Limit(dBm) | Result |
|---------|-----------------|--------------------|----------------|------------------|-----------------|------------|--------|
|         |                 | 802.11a            | 802.11n (HT20) | 802.11ac (VHT20) | 802.11ax (HE20) |            |        |
| 36      | 5180.00         | 22.27              | 21.88          | 21.91            | 23.18           | 23.98      | Pass   |
| 40      | 5200.00         | 22.25              | 21.90          | 21.84            | 23.10           | 23.98      | Pass   |
| 48      | 5240.00         | 22.58              | 22.04          | 22.14            | 23.55           | 23.98      | Pass   |
| 149     | 5745.00         | 25.76              | 25.60          | 26.11            | 27.02           | 30         | Pass   |
| 157     | 5785.00         | 22.89              | 23.44          | 23.70            | 24.47           | 30         | Pass   |
| 165     | 5825.00         | 23.60              | 23.67          | 24.09            | 25.05           | 30         | Pass   |

| CH. No. | Frequency (MHz) | Output Power (dBm) |                  |                 | Limit(dBm) | Result |
|---------|-----------------|--------------------|------------------|-----------------|------------|--------|
|         |                 | 802.11n (HT40)     | 802.11ac (VHT40) | 802.11ax (HE40) |            |        |
| 38      | 5190.00         | 22.10              | 22.06            | 23.05           | 23.98      | Pass   |
| 46      | 5230.00         | 22.33              | 22.36            | 23.30           | 23.98      | Pass   |
| 151     | 5755.00         | 25.27              | 25.14            | 25.90           | 30         | Pass   |
| 159     | 5795.00         | 23.67              | 23.60            | 24.67           | 30         | Pass   |

| CH. No. | Frequency (MHz) | Output Power (dBm) |                | Limit(dBm) | Result |
|---------|-----------------|--------------------|----------------|------------|--------|
|         |                 | 802.11ac(VHT80)    | 802.11ax(HE80) |            |        |
| 42      | 5210.00         | 21.82              | 22.99          | 23.98      | Pass   |
| 155     | 5775.00         | 23.88              | 24.73          | 30         | Pass   |

### Antenna 1:

| CH. No. | Frequency (MHz) | Output Power (dBm) |                |                  |                 | Limit(dBm) | Result |
|---------|-----------------|--------------------|----------------|------------------|-----------------|------------|--------|
|         |                 | 802.11a            | 802.11n (HT20) | 802.11ac (VHT20) | 802.11ax (HE20) |            |        |
| 36      | 5180.00         | 21.94              | 21.81          | 21.67            | 22.80           | 23.98      | Pass   |
| 40      | 5200.00         | 21.99              | 21.73          | 21.76            | 22.89           | 23.98      | Pass   |
| 48      | 5240.00         | 22.27              | 21.86          | 21.81            | 23.26           | 23.98      | Pass   |
| 149     | 5745.00         | 24.88              | 25.08          | 24.91            | 25.75           | 30         | Pass   |
| 157     | 5785.00         | 22.77              | 22.81          | 22.76            | 23.70           | 30         | Pass   |
| 165     | 5825.00         | 23.17              | 23.08          | 23.09            | 23.98           | 30         | Pass   |

| CH. No. | Frequency (MHz) | Output Power (dBm) |                  |                 | Limit(dBm) | Result |
|---------|-----------------|--------------------|------------------|-----------------|------------|--------|
|         |                 | 802.11n (HT40)     | 802.11ac (VHT40) | 802.11ax (HE40) |            |        |
| 38      | 5190.00         | 21.79              | 21.88            | 22.77           | 23.98      | Pass   |
| 46      | 5230.00         | 22.15              | 22.17            | 23.19           | 23.98      | Pass   |
| 151     | 5755.00         | 24.19              | 24.37            | 25.31           | 30         | Pass   |
| 159     | 5795.00         | 22.80              | 22.92            | 23.91           | 30         | Pass   |

| CH. No. | Frequency (MHz) | Output Power (dBm) |                | Limit(dBm) | Result |
|---------|-----------------|--------------------|----------------|------------|--------|
|         |                 | 802.11ac(VHT80)    | 802.11ax(HE80) |            |        |
| 42      | 5210.00         | 21.67              | 22.57          | 23.98      | Pass   |
| 155     | 5775.00         | 22.99              | 23.84          | 30         | Pass   |

### Antenna 2:

| CH. No. | Frequency (MHz) | Output Power (dBm) |                |                  |                 | Limit(dBm) | Result |
|---------|-----------------|--------------------|----------------|------------------|-----------------|------------|--------|
|         |                 | 802.11a            | 802.11n (HT20) | 802.11ac (VHT20) | 802.11ax (HE20) |            |        |
| 36      | 5180.00         | 21.69              | 21.36          | 21.31            | 22.64           | 23.98      | Pass   |
| 40      | 5200.00         | 21.66              | 21.34          | 21.25            | 22.59           | 23.98      | Pass   |
| 48      | 5240.00         | 22.13              | 21.67          | 21.74            | 23.18           | 23.98      | Pass   |
| 149     | 5745.00         | 24.75              | 24.91          | 24.74            | 25.85           | 30         | Pass   |
| 157     | 5785.00         | 22.90              | 23.03          | 22.93            | 23.98           | 30         | Pass   |
| 165     | 5825.00         | 23.44              | 23.46          | 23.54            | 24.46           | 30         | Pass   |

| CH. No. | Frequency (MHz) | Output Power (dBm) |                  |                 | Limit(dBm) | Result |
|---------|-----------------|--------------------|------------------|-----------------|------------|--------|
|         |                 | 802.11n (HT40)     | 802.11ac (VHT40) | 802.11ax (HE40) |            |        |
| 38      | 5190.00         | 21.51              | 21.49            | 22.38           | 23.98      | Pass   |
| 46      | 5230.00         | 21.86              | 21.90            | 22.99           | 23.98      | Pass   |
| 151     | 5755.00         | 24.54              | 24.49            | 25.44           | 30         | Pass   |
| 159     | 5795.00         | 23.40              | 23.25            | 24.29           | 30         | Pass   |

| CH. No. | Frequency (MHz) | Output Power (dBm) |                | Limit(dBm) | Result |
|---------|-----------------|--------------------|----------------|------------|--------|
|         |                 | 802.11ac(VHT80)    | 802.11ax(HE80) |            |        |
| 42      | 5210.00         | 21.39              | 22.52          | 23.98      | Pass   |
| 155     | 5775.00         | 23.26              | 24.05          | 30         | Pass   |

### Antenna 3:

| CH. No. | Frequency (MHz) | Output Power (dBm) |                |                  |                 | Limit(dBm) | Result |
|---------|-----------------|--------------------|----------------|------------------|-----------------|------------|--------|
|         |                 | 802.11a            | 802.11n (HT20) | 802.11ac (VHT20) | 802.11ax (HE20) |            |        |
| 36      | 5180.00         | 21.87              | 21.47          | 21.47            | 22.64           | 23.98      | Pass   |
| 40      | 5200.00         | 21.78              | 21.49          | 21.50            | 22.75           | 23.98      | Pass   |
| 48      | 5240.00         | 22.15              | 21.68          | 21.70            | 23.00           | 23.98      | Pass   |
| 149     | 5745.00         | 24.69              | 24.99          | 24.85            | 25.84           | 30         | Pass   |
| 157     | 5785.00         | 22.43              | 22.68          | 22.49            | 23.52           | 30         | Pass   |
| 165     | 5825.00         | 22.91              | 23.09          | 22.83            | 23.90           | 30         | Pass   |

| CH. No. | Frequency (MHz) | Output Power (dBm) |                  |                 | Limit(dBm) | Result |
|---------|-----------------|--------------------|------------------|-----------------|------------|--------|
|         |                 | 802.11n (HT40)     | 802.11ac (VHT40) | 802.11ax (HE40) |            |        |
| 38      | 5190.00         | 21.49              | 21.56            | 22.57           | 23.98      | Pass   |
| 46      | 5230.00         | 21.90              | 21.91            | 22.87           | 23.98      | Pass   |
| 151     | 5755.00         | 24.20              | 24.19            | 25.22           | 30         | Pass   |
| 159     | 5795.00         | 22.76              | 22.74            | 23.72           | 30         | Pass   |

| CH. No. | Frequency (MHz) | Output Power (dBm) |                | Limit(dBm) | Result |
|---------|-----------------|--------------------|----------------|------------|--------|
|         |                 | 802.11ac(VHT80)    | 802.11ax(HE80) |            |        |
| 42      | 5210.00         | 21.42              | 22.38          | 23.98      | Pass   |
| 155     | 5775.00         | 22.94              | 23.69          | 30         | Pass   |

### Antenna 4:

| CH. No. | Frequency (MHz) | Output Power (dBm) |                |                  |                 | Limit(dBm) | Result |
|---------|-----------------|--------------------|----------------|------------------|-----------------|------------|--------|
|         |                 | 802.11a            | 802.11n (HT20) | 802.11ac (VHT20) | 802.11ax (HE20) |            |        |
| 36      | 5180.00         | 22.23              | 21.87          | 21.85            | 23.18           | 23.98      | Pass   |
| 40      | 5200.00         | 22.19              | 21.90          | 21.91            | 23.10           | 23.98      | Pass   |
| 48      | 5240.00         | 22.43              | 22.09          | 22.14            | 23.50           | 23.98      | Pass   |
| 149     | 5745.00         | 25.77              | 25.70          | 25.75            | 26.65           | 30         | Pass   |
| 157     | 5785.00         | 23.31              | 23.40          | 23.38            | 24.21           | 30         | Pass   |
| 165     | 5825.00         | 23.58              | 23.71          | 23.67            | 24.43           | 30         | Pass   |

| CH. No. | Frequency (MHz) | Output Power (dBm) |                  |                 | Limit(dBm) | Result |
|---------|-----------------|--------------------|------------------|-----------------|------------|--------|
|         |                 | 802.11n (HT40)     | 802.11ac (VHT40) | 802.11ax (HE40) |            |        |
| 38      | 5190.00         | 21.99              | 22.01            | 22.85           | 23.98      | Pass   |
| 46      | 5230.00         | 22.25              | 22.26            | 23.27           | 23.98      | Pass   |
| 151     | 5755.00         | 25.19              | 25.30            | 26.18           | 30         | Pass   |
| 159     | 5795.00         | 23.31              | 23.31            | 24.27           | 30         | Pass   |

| CH. No. | Frequency (MHz) | Output Power (dBm) |                | Limit(dBm) | Result |
|---------|-----------------|--------------------|----------------|------------|--------|
|         |                 | 802.11ac(VHT80)    | 802.11ax(HE80) |            |        |
| 42      | 5210.00         | 21.82              | 22.83          | 23.98      | Pass   |
| 155     | 5775.00         | 23.78              | 24.58          | 30         | Pass   |

### Antenna 5:

| CH. No. | Frequency (MHz) | Output Power (dBm) |                |                  |                 | Limit(dBm) | Result |
|---------|-----------------|--------------------|----------------|------------------|-----------------|------------|--------|
|         |                 | 802.11a            | 802.11n (HT20) | 802.11ac (VHT20) | 802.11ax (HE20) |            |        |
| 36      | 5180.00         | 22.10              | 21.59          | 21.71            | 22.53           | 23.98      | Pass   |
| 40      | 5200.00         | 22.04              | 21.63          | 21.68            | 22.87           | 23.98      | Pass   |
| 48      | 5240.00         | 22.30              | 21.81          | 21.87            | 23.31           | 23.98      | Pass   |
| 149     | 5745.00         | 24.71              | 24.97          | 25.10            | 25.81           | 30         | Pass   |
| 157     | 5785.00         | 22.65              | 22.92          | 22.93            | 23.56           | 30         | Pass   |
| 165     | 5825.00         | 23.13              | 23.16          | 23.35            | 23.88           | 30         | Pass   |

| CH. No. | Frequency (MHz) | Output Power (dBm) |                  |                 | Limit(dBm) | Result |
|---------|-----------------|--------------------|------------------|-----------------|------------|--------|
|         |                 | 802.11n (HT40)     | 802.11ac (VHT40) | 802.11ax (HE40) |            |        |
| 38      | 5190.00         | 21.94              | 21.93            | 22.77           | 23.98      | Pass   |
| 46      | 5230.00         | 22.20              | 22.18            | 23.19           | 23.98      | Pass   |
| 151     | 5755.00         | 24.31              | 24.21            | 25.09           | 30         | Pass   |
| 159     | 5795.00         | 22.70              | 22.62            | 23.56           | 30         | Pass   |

| CH. No. | Frequency (MHz) | Output Power (dBm) |                | Limit(dBm) | Result |
|---------|-----------------|--------------------|----------------|------------|--------|
|         |                 | 802.11ac(VHT80)    | 802.11ax(HE80) |            |        |
| 42      | 5210.00         | 21.81              | 22.65          | 23.98      | Pass   |
| 155     | 5775.00         | 22.95              | 23.71          | 30         | Pass   |

### Antenna 6:

| CH. No. | Frequency (MHz) | Output Power (dBm) |                |                  |                 | Limit(dBm) | Result |
|---------|-----------------|--------------------|----------------|------------------|-----------------|------------|--------|
|         |                 | 802.11a            | 802.11n (HT20) | 802.11ac (VHT20) | 802.11ax (HE20) |            |        |
| 36      | 5180.00         | 21.87              | 21.45          | 21.47            | 22.71           | 23.98      | Pass   |
| 40      | 5200.00         | 21.81              | 21.43          | 21.40            | 22.76           | 23.98      | Pass   |
| 48      | 5240.00         | 22.29              | 21.91          | 21.80            | 23.21           | 23.98      | Pass   |
| 149     | 5745.00         | 24.44              | 24.87          | 24.87            | 25.86           | 30         | Pass   |
| 157     | 5785.00         | 22.55              | 22.80          | 22.83            | 23.71           | 30         | Pass   |
| 165     | 5825.00         | 23.34              | 23.58          | 23.61            | 24.43           | 30         | Pass   |

| CH. No. | Frequency (MHz) | Output Power (dBm) |                  |                 | Limit(dBm) | Result |
|---------|-----------------|--------------------|------------------|-----------------|------------|--------|
|         |                 | 802.11n (HT40)     | 802.11ac (VHT40) | 802.11ax (HE40) |            |        |
| 38      | 5190.00         | 21.56              | 21.52            | 22.38           | 23.98      | Pass   |
| 46      | 5230.00         | 21.89              | 21.88            | 23.00           | 23.98      | Pass   |
| 151     | 5755.00         | 24.21              | 24.18            | 25.11           | 30         | Pass   |
| 159     | 5795.00         | 22.93              | 22.89            | 23.84           | 30         | Pass   |

| CH. No. | Frequency (MHz) | Output Power (dBm) |                | Limit(dBm) | Result |
|---------|-----------------|--------------------|----------------|------------|--------|
|         |                 | 802.11ac(VHT80)    | 802.11ax(HE80) |            |        |
| 42      | 5210.00         | 21.39              | 22.44          | 23.98      | Pass   |
| 155     | 5775.00         | 22.99              | 23.73          | 30         | Pass   |

### Antenna 7:

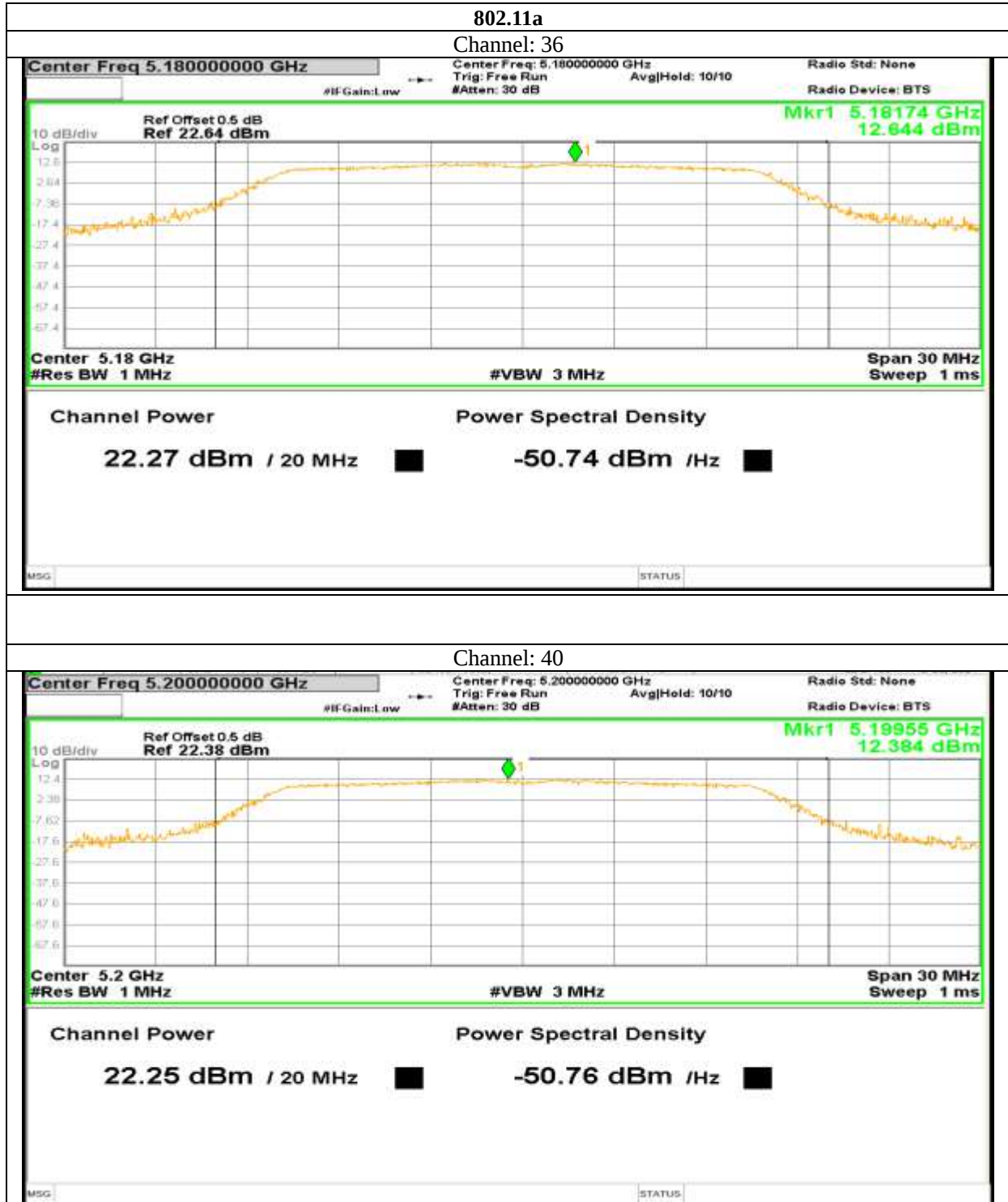
| CH. No. | Frequency (MHz) | Output Power (dBm) |                |                  |                 | Limit(dBm) | Result |
|---------|-----------------|--------------------|----------------|------------------|-----------------|------------|--------|
|         |                 | 802.11a            | 802.11n (HT20) | 802.11ac (VHT20) | 802.11ax (HE20) |            |        |
| 36      | 5180.00         | 21.93              | 21.69          | 21.55            | 22.82           | 23.98      | Pass   |
| 40      | 5200.00         | 21.87              | 21.59          | 21.60            | 22.79           | 23.98      | Pass   |
| 48      | 5240.00         | 22.18              | 21.83          | 21.72            | 23.11           | 23.98      | Pass   |
| 149     | 5745.00         | 24.56              | 24.82          | 24.74            | 25.88           | 30         | Pass   |
| 157     | 5785.00         | 22.14              | 22.25          | 22.29            | 23.37           | 30         | Pass   |
| 165     | 5825.00         | 22.78              | 22.84          | 22.90            | 23.99           | 30         | Pass   |

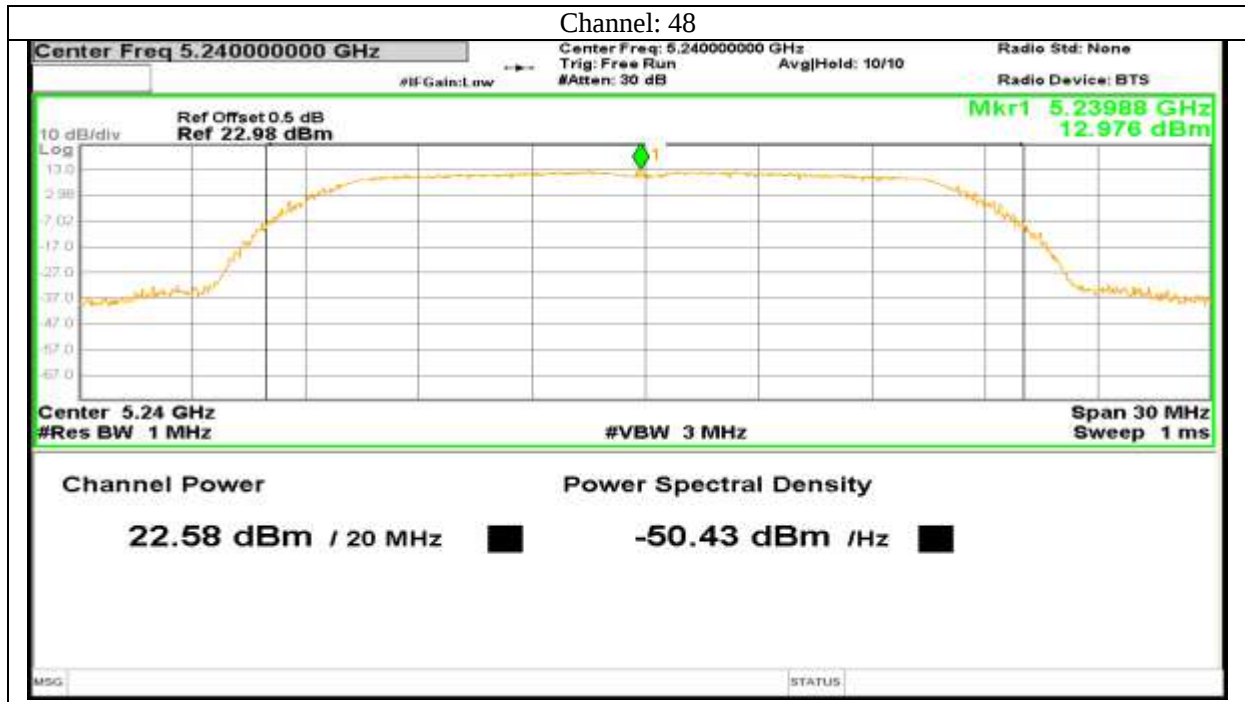
| CH. No. | Frequency (MHz) | Output Power (dBm) |                  |                 | Limit(dBm) | Result |
|---------|-----------------|--------------------|------------------|-----------------|------------|--------|
|         |                 | 802.11n (HT40)     | 802.11ac (VHT40) | 802.11ax (HE40) |            |        |
| 38      | 5190.00         | 21.62              | 21.66            | 22.58           | 23.98      | Pass   |
| 46      | 5230.00         | 22.00              | 21.96            | 22.86           | 23.98      | Pass   |
| 151     | 5755.00         | 24.49              | 24.34            | 25.32           | 30         | Pass   |
| 159     | 5795.00         | 22.55              | 22.42            | 23.45           | 30         | Pass   |

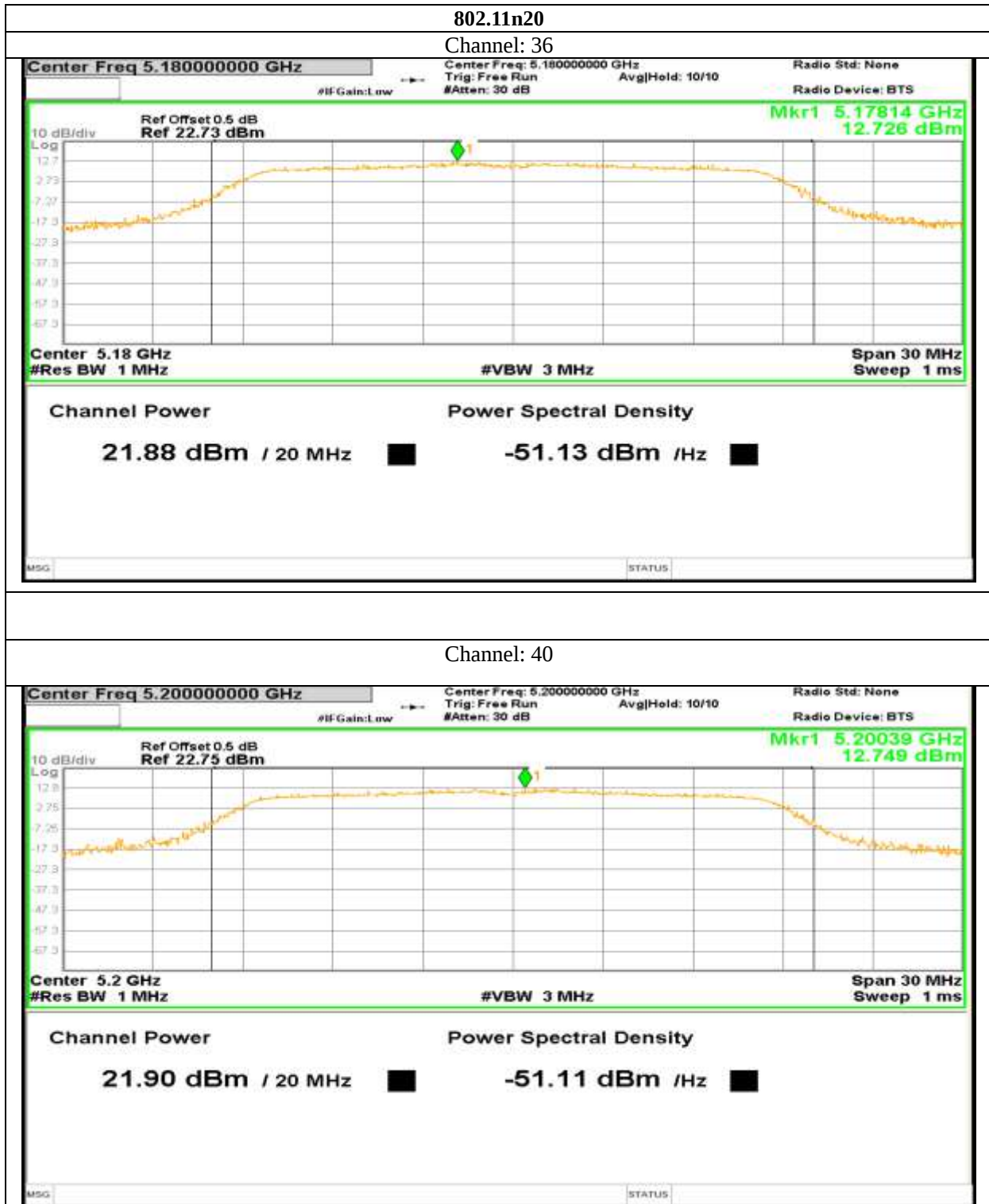
| CH. No. | Frequency (MHz) | Output Power (dBm) |                | Limit(dBm) | Result |
|---------|-----------------|--------------------|----------------|------------|--------|
|         |                 | 802.11ac(VHT80)    | 802.11ax(HE80) |            |        |
| 42      | 5210.00         | 21.48              | 22.45          | 23.98      | Pass   |
| 155     | 5775.00         | 22.60              | 23.72          | 30         | Pass   |

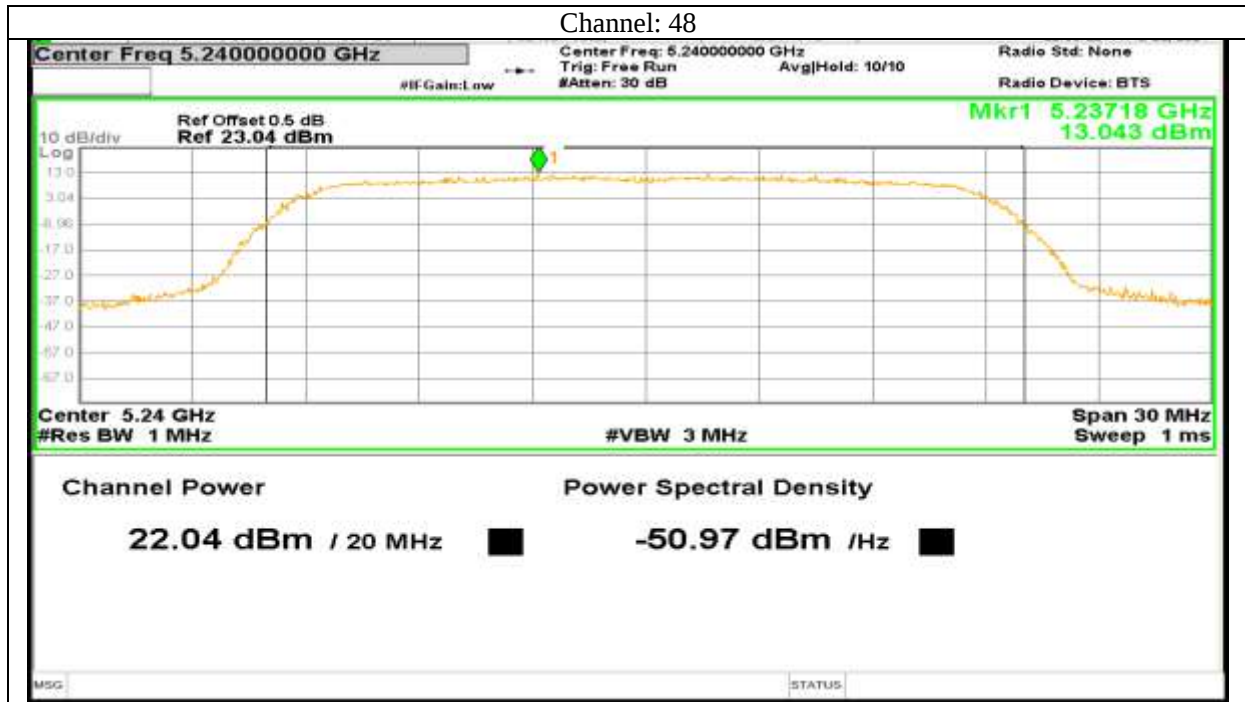
Test plots as followed

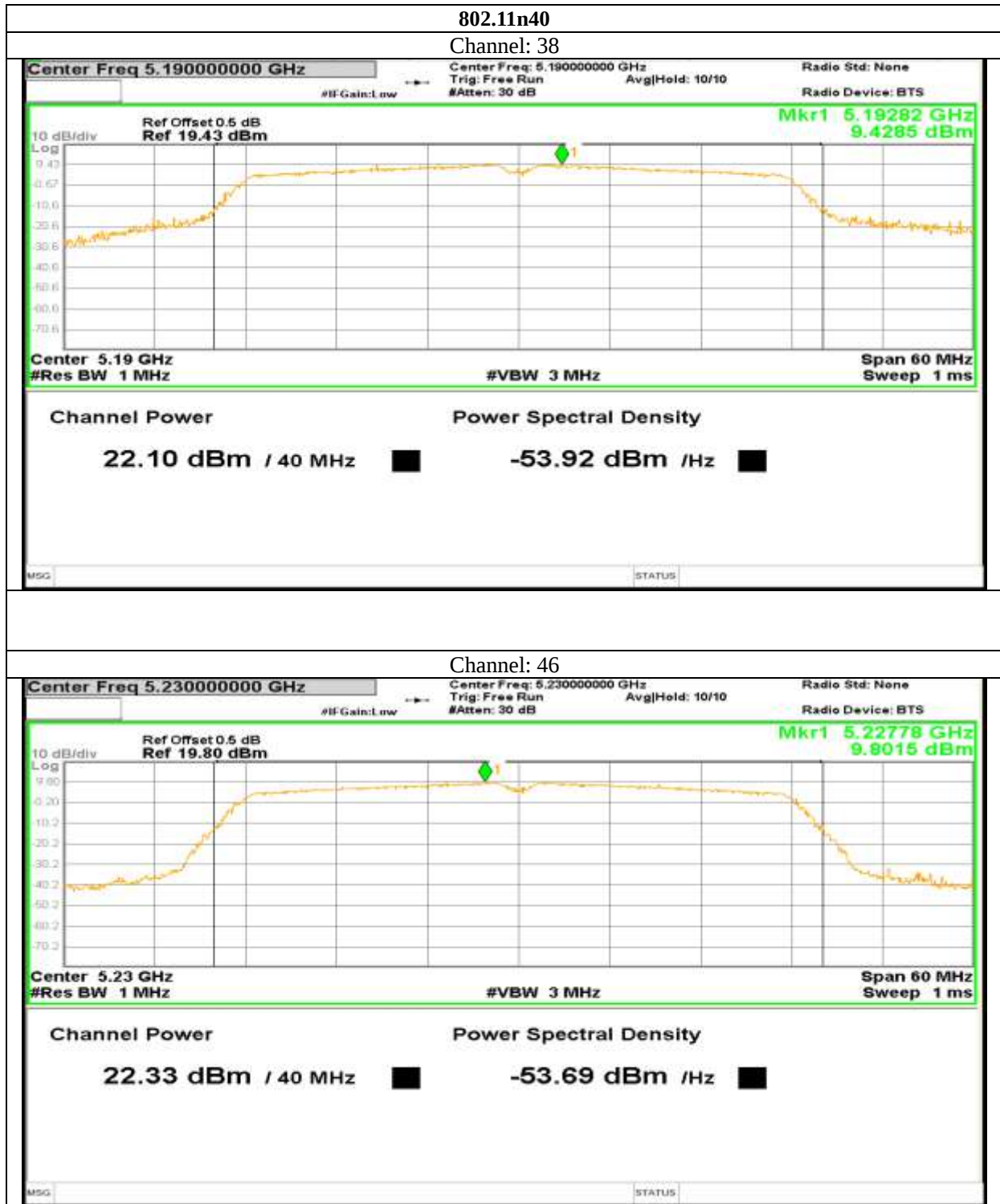
### Antenna 0:









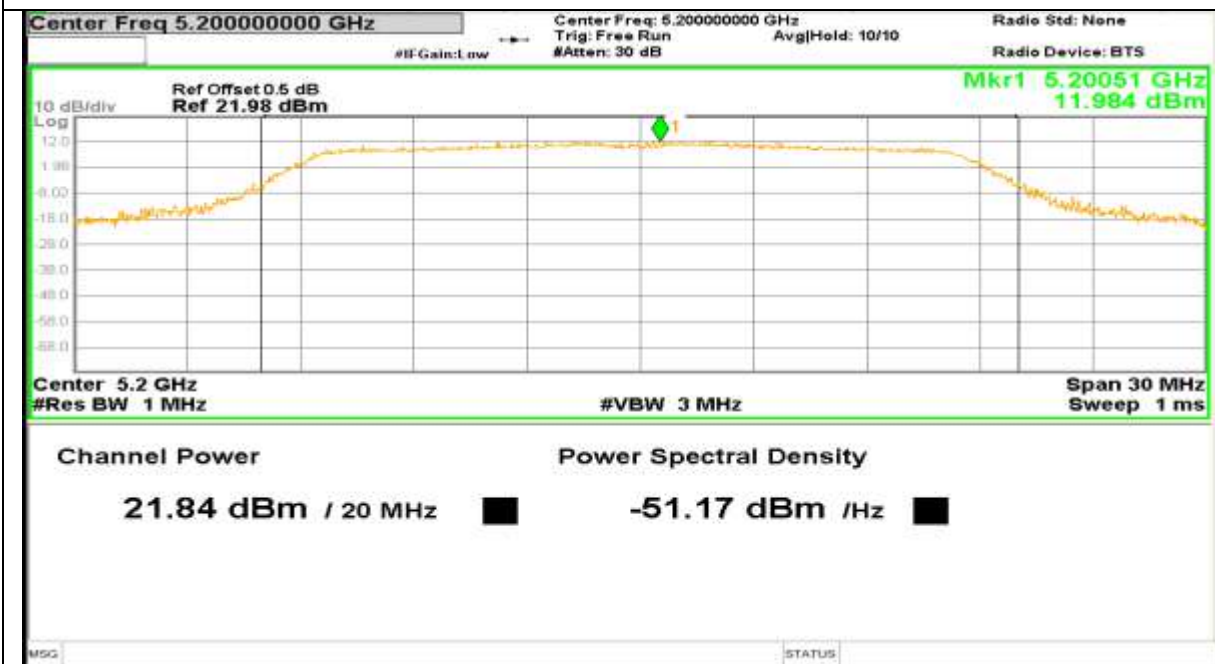


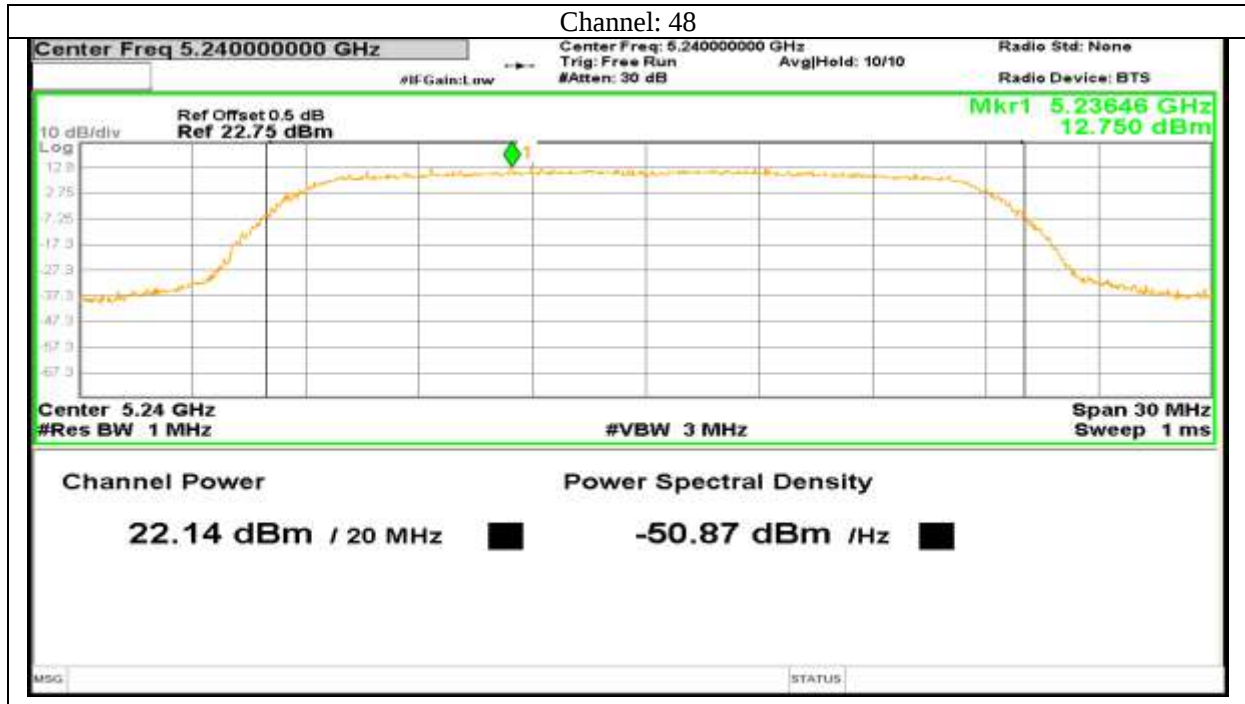
802.11ac20

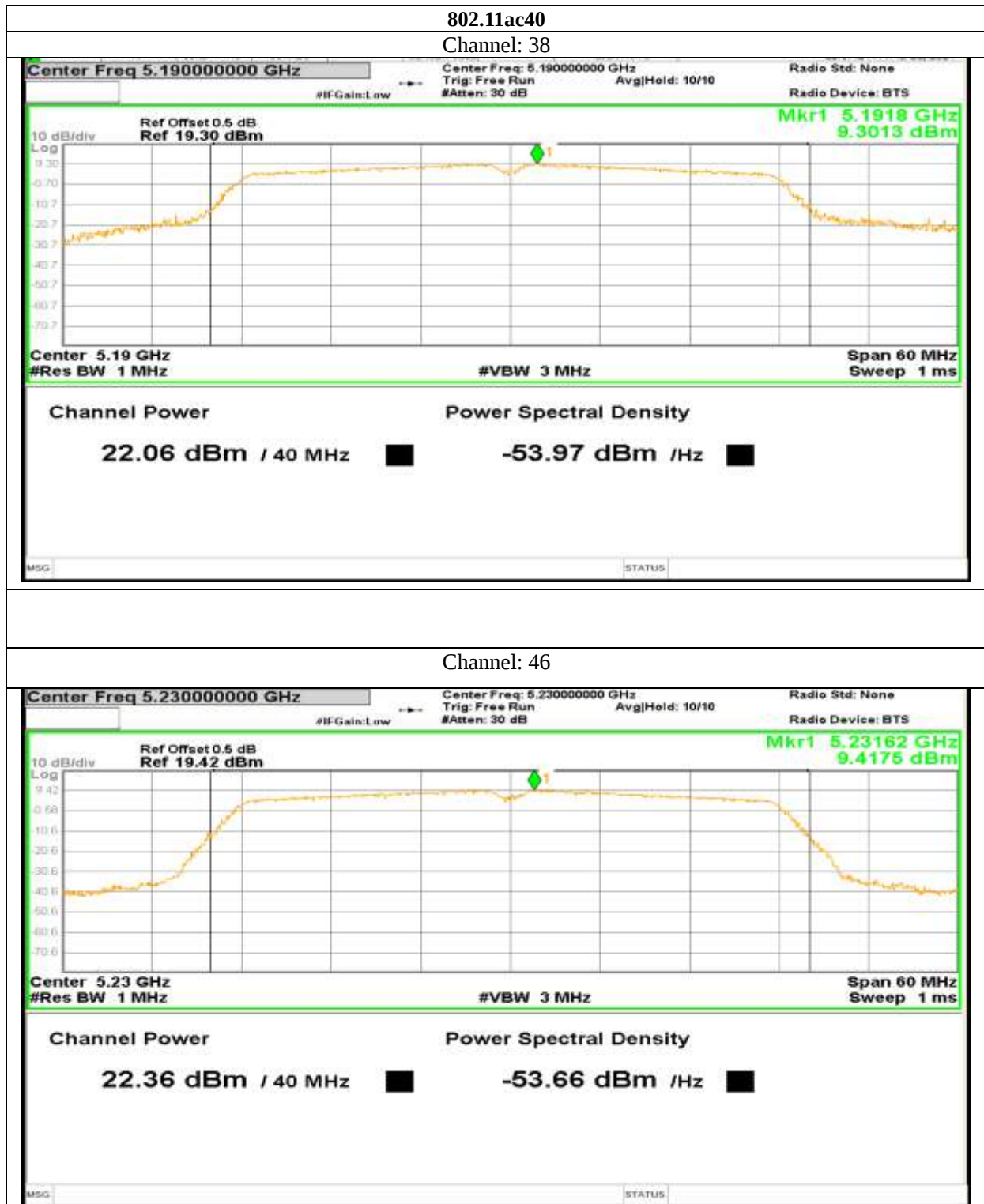
Channel: 36

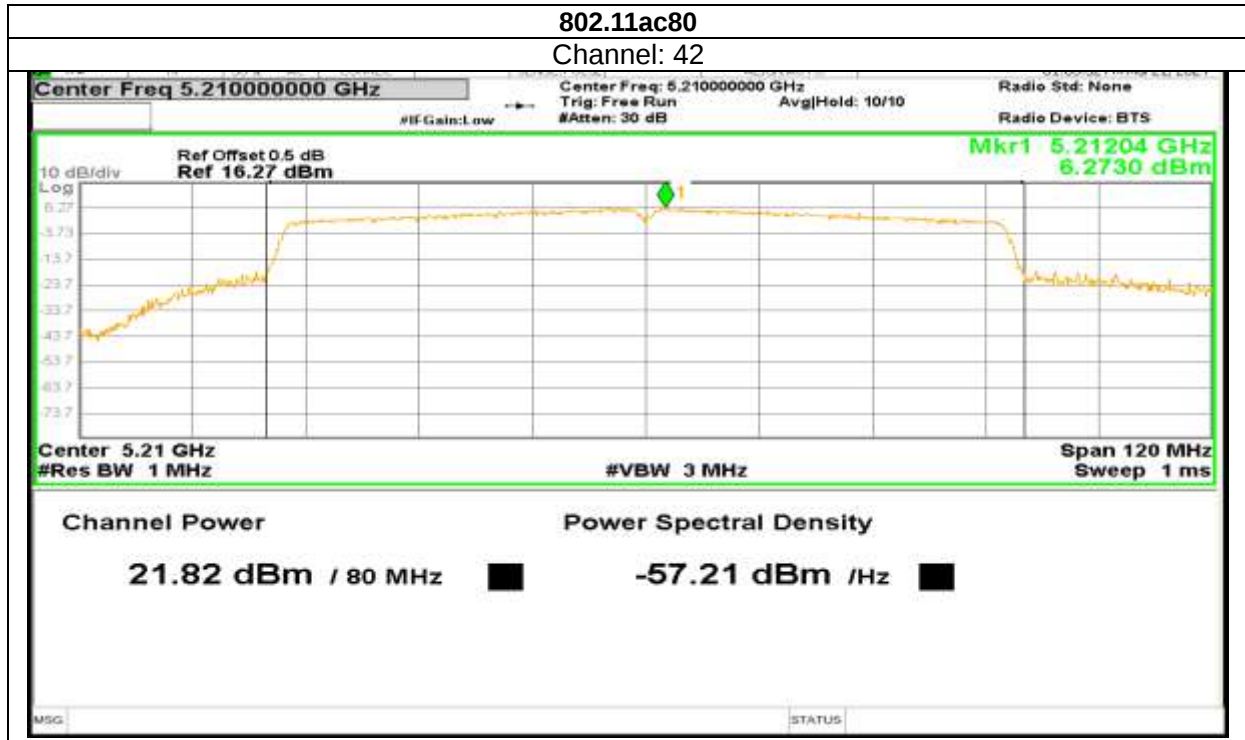


Channel: 40









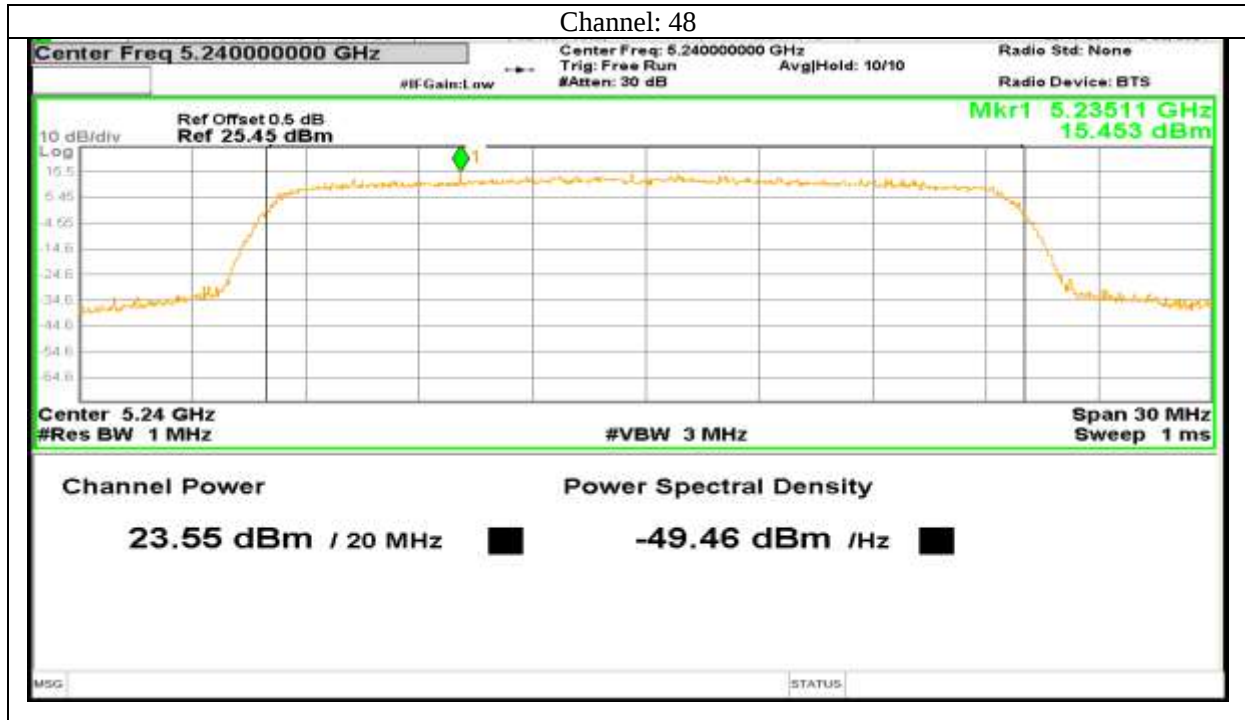
802.11ax20

Channel: 36



Channel: 40





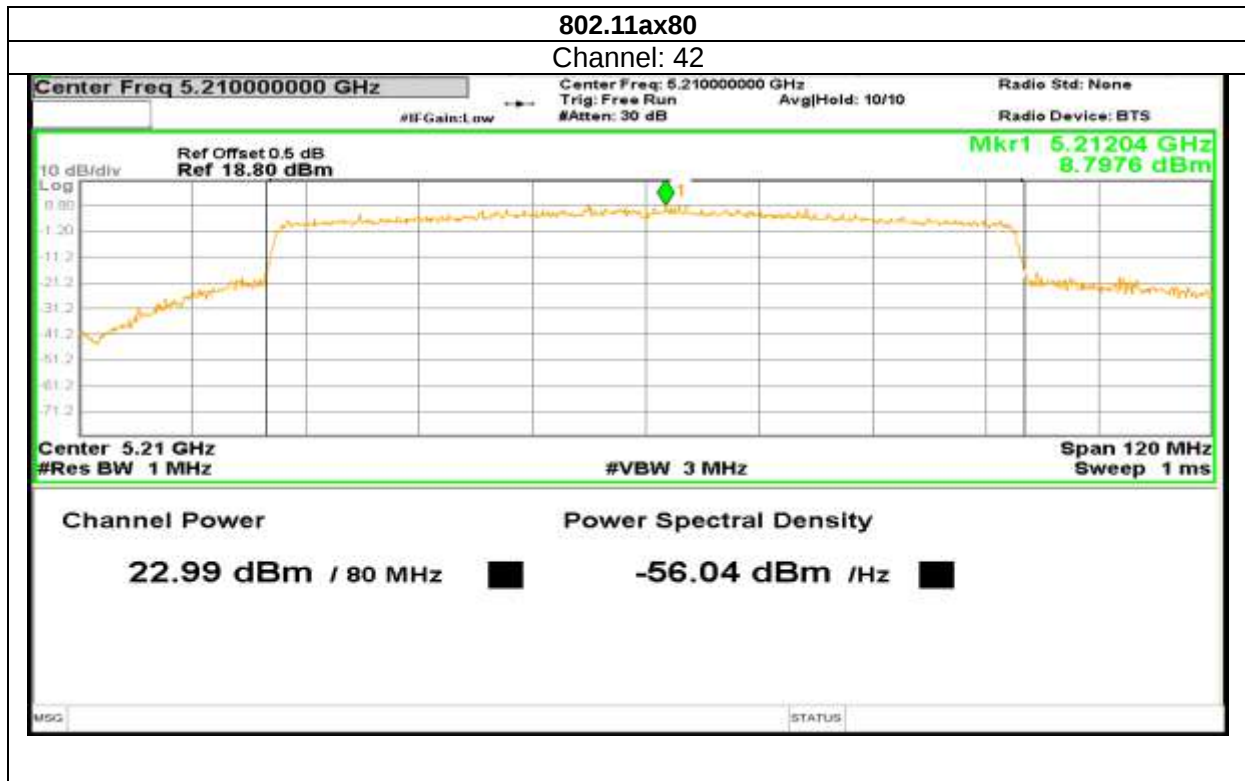
802.11ax40

Channel: 38

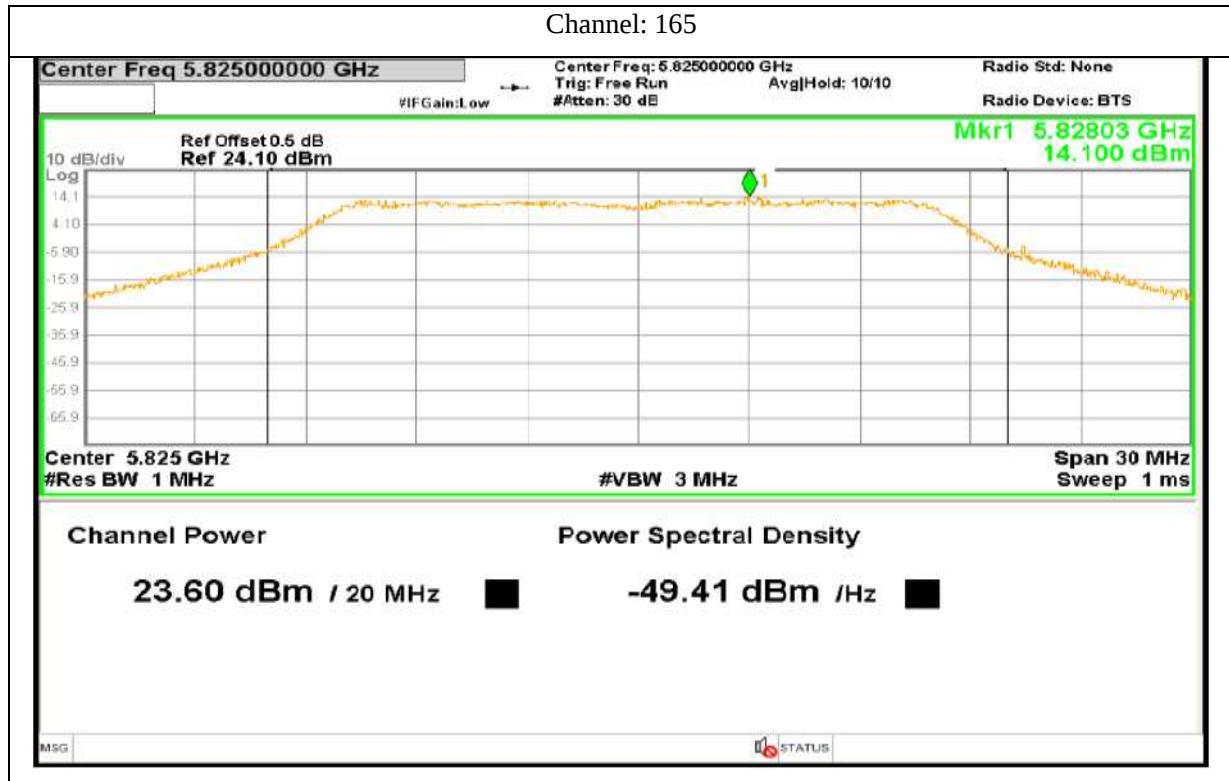


Channel: 46



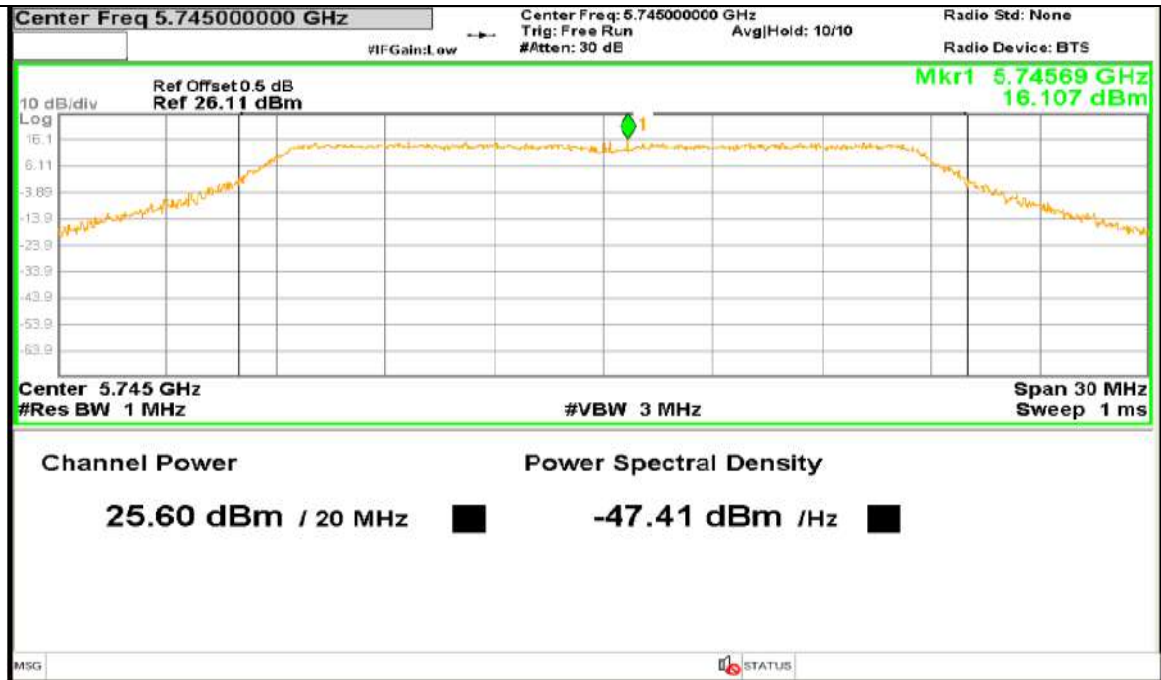




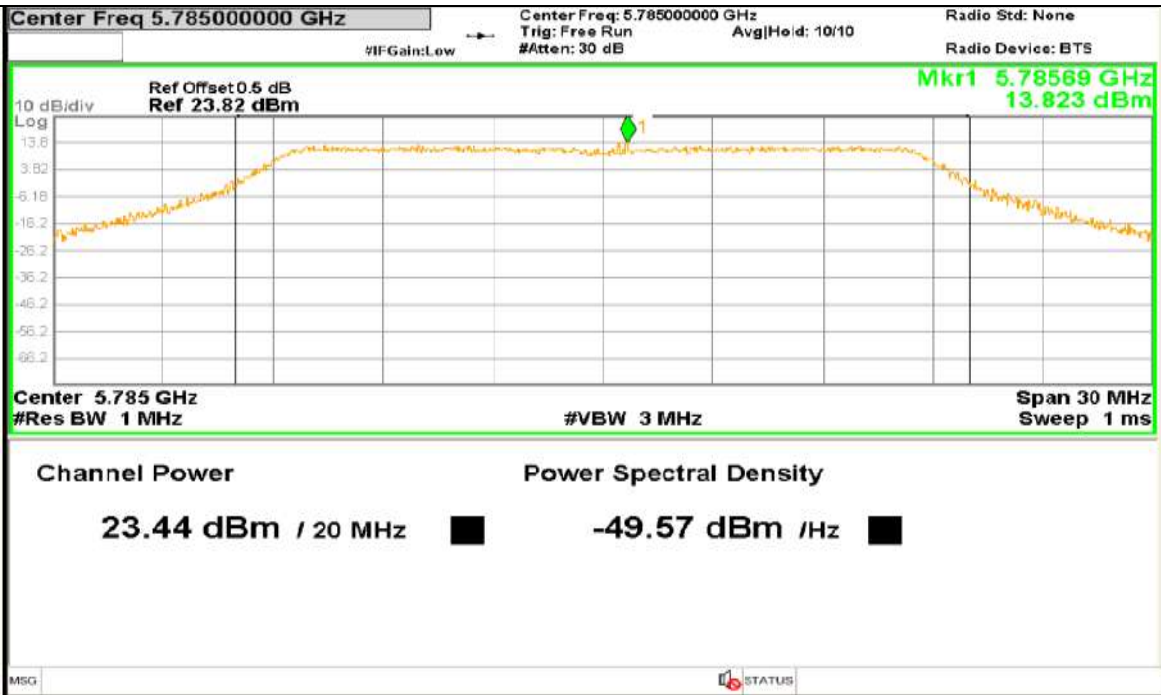


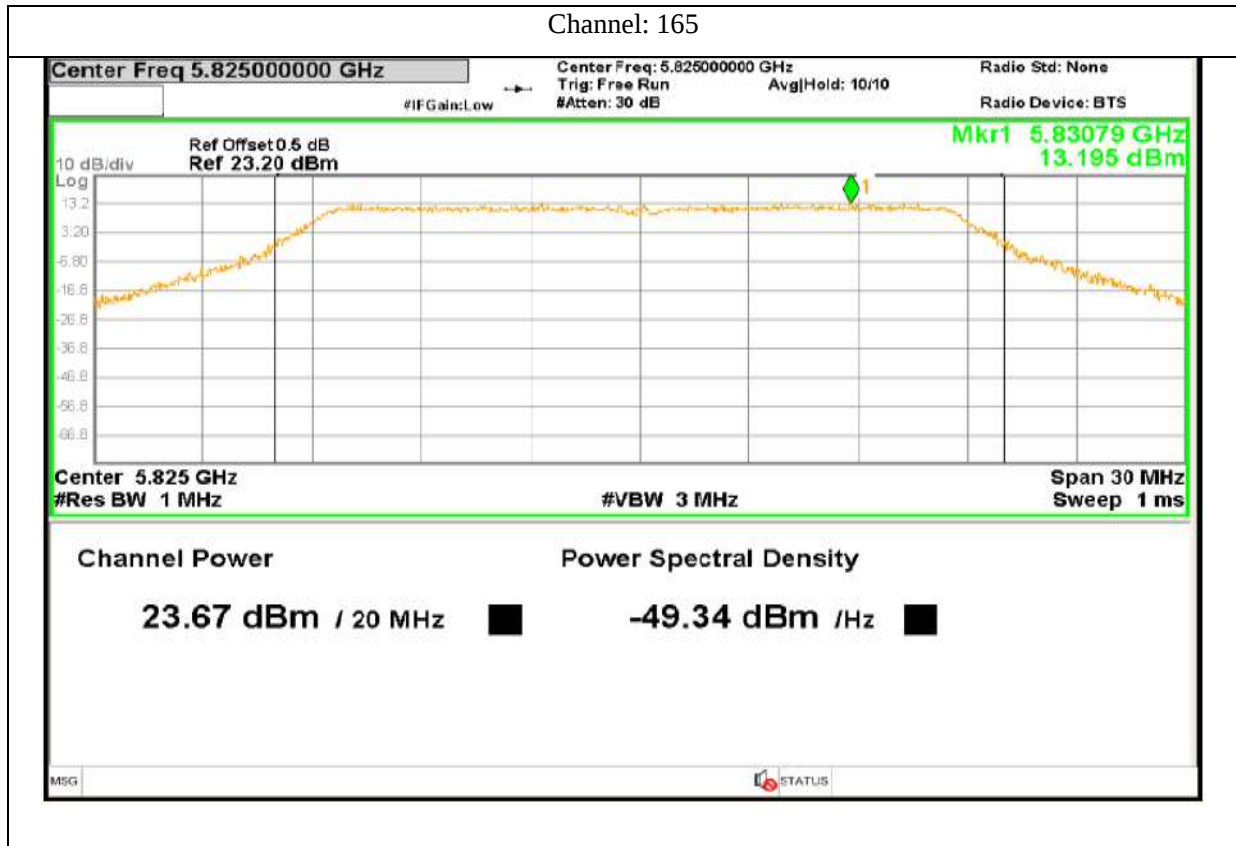
802.11n20

Channel: 149



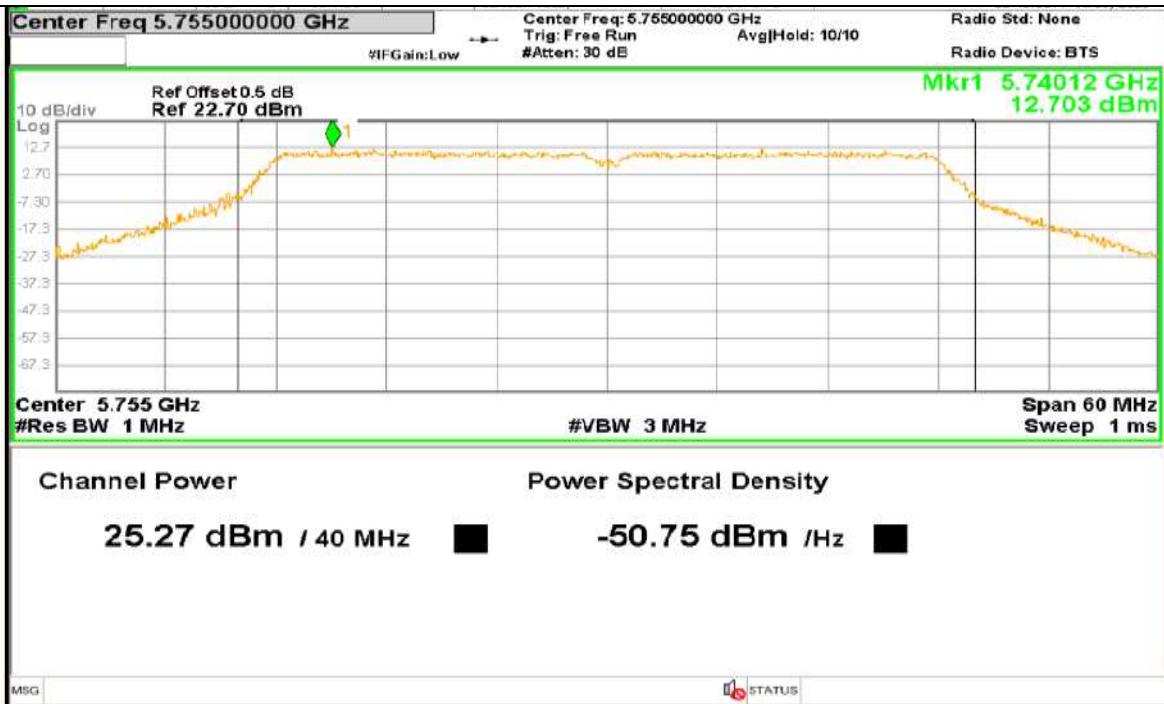
Channel: 157



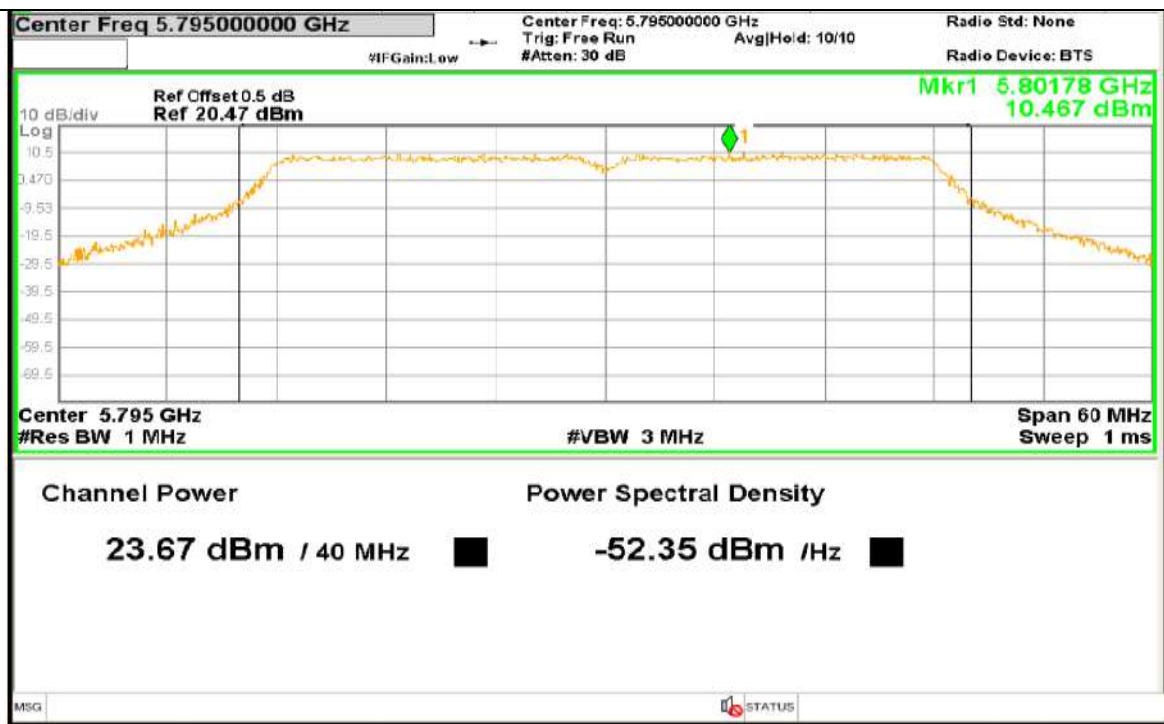


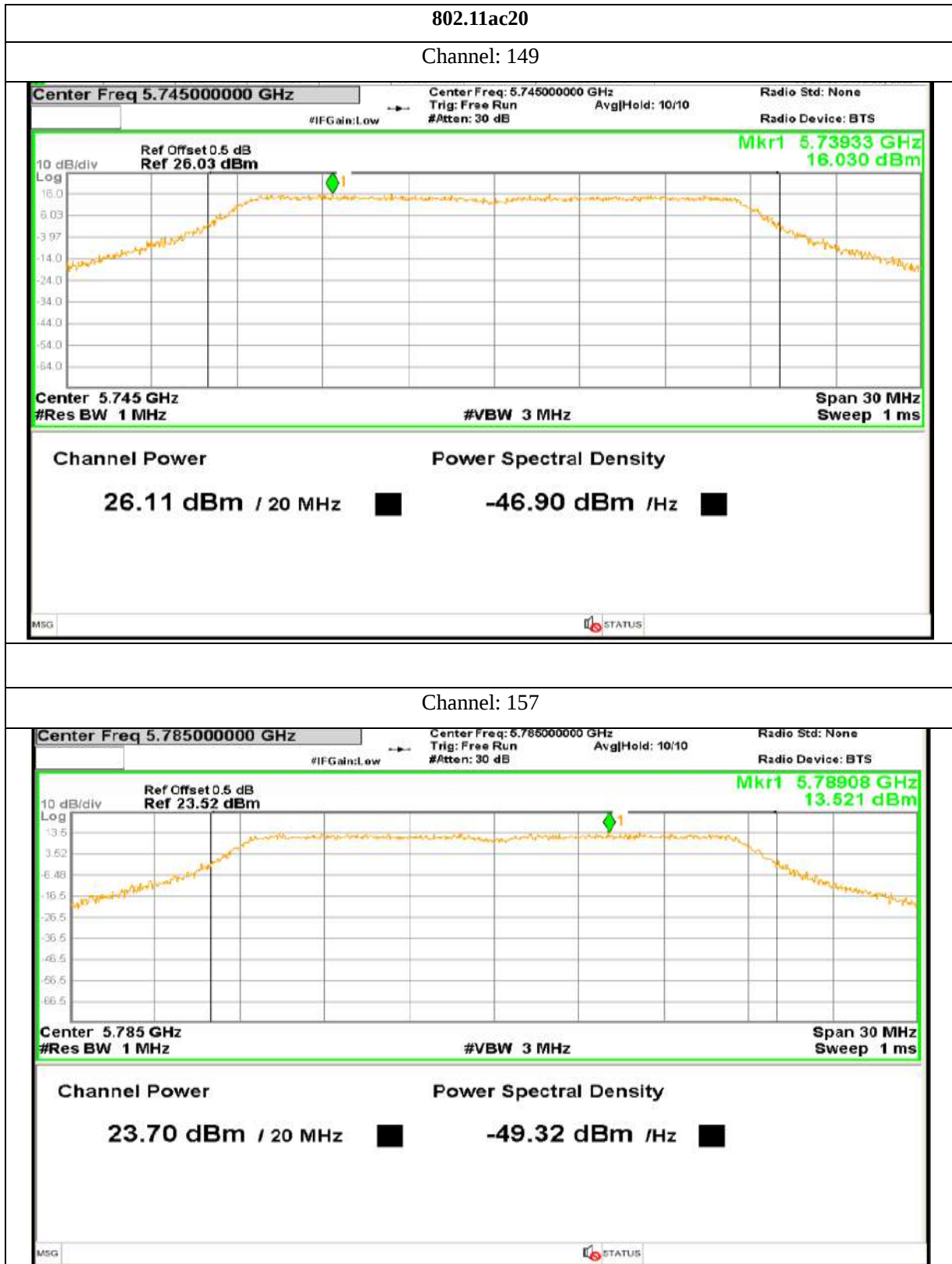
802.11n40

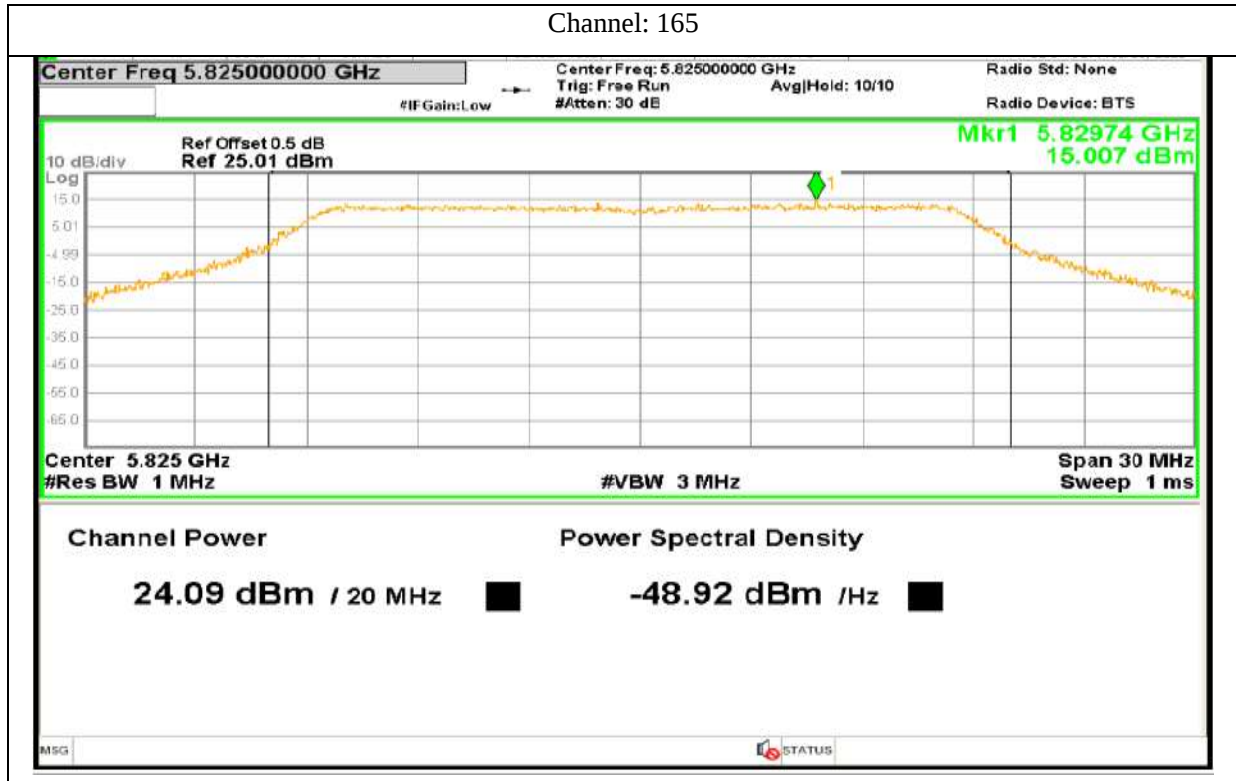
Channel: 151



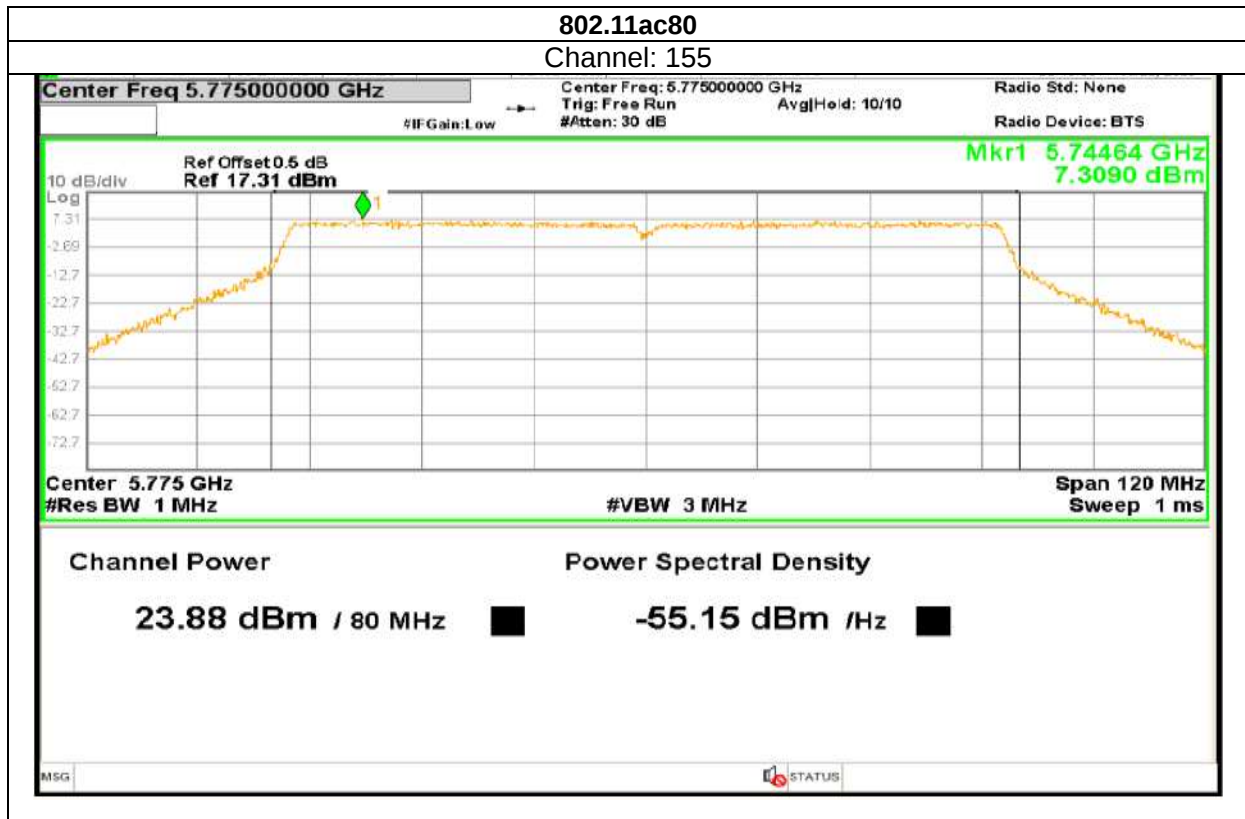
Channel: 159



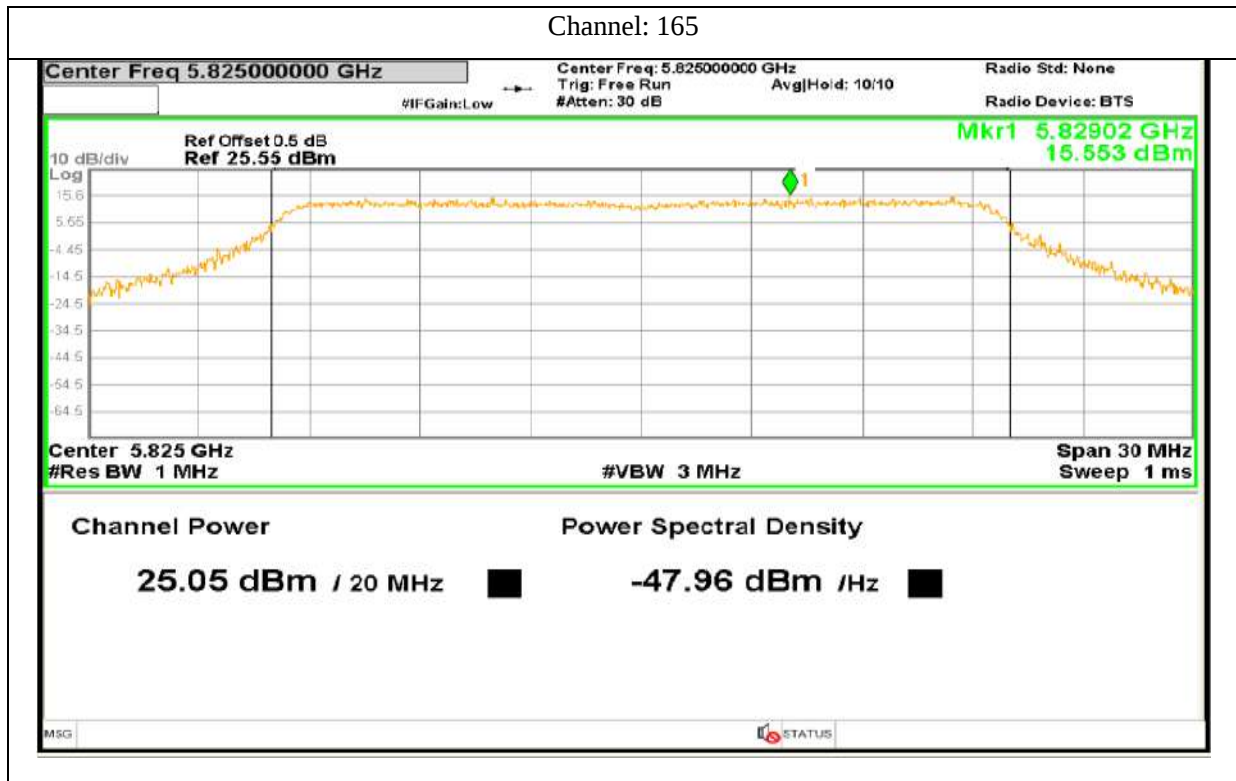






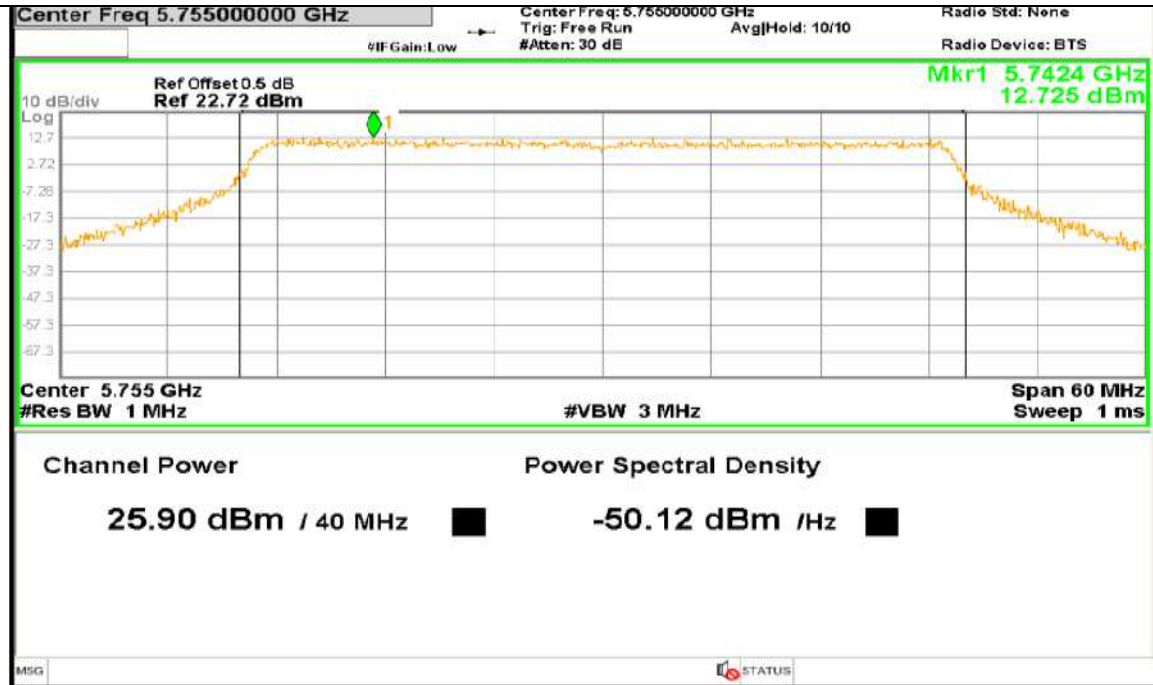




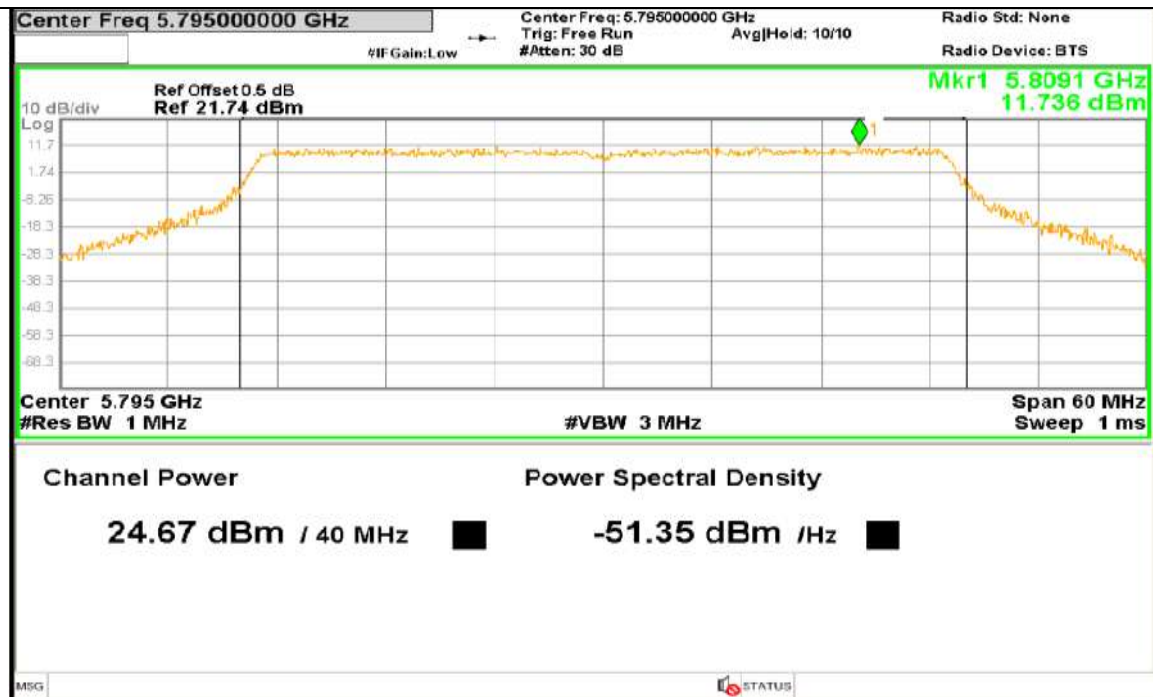


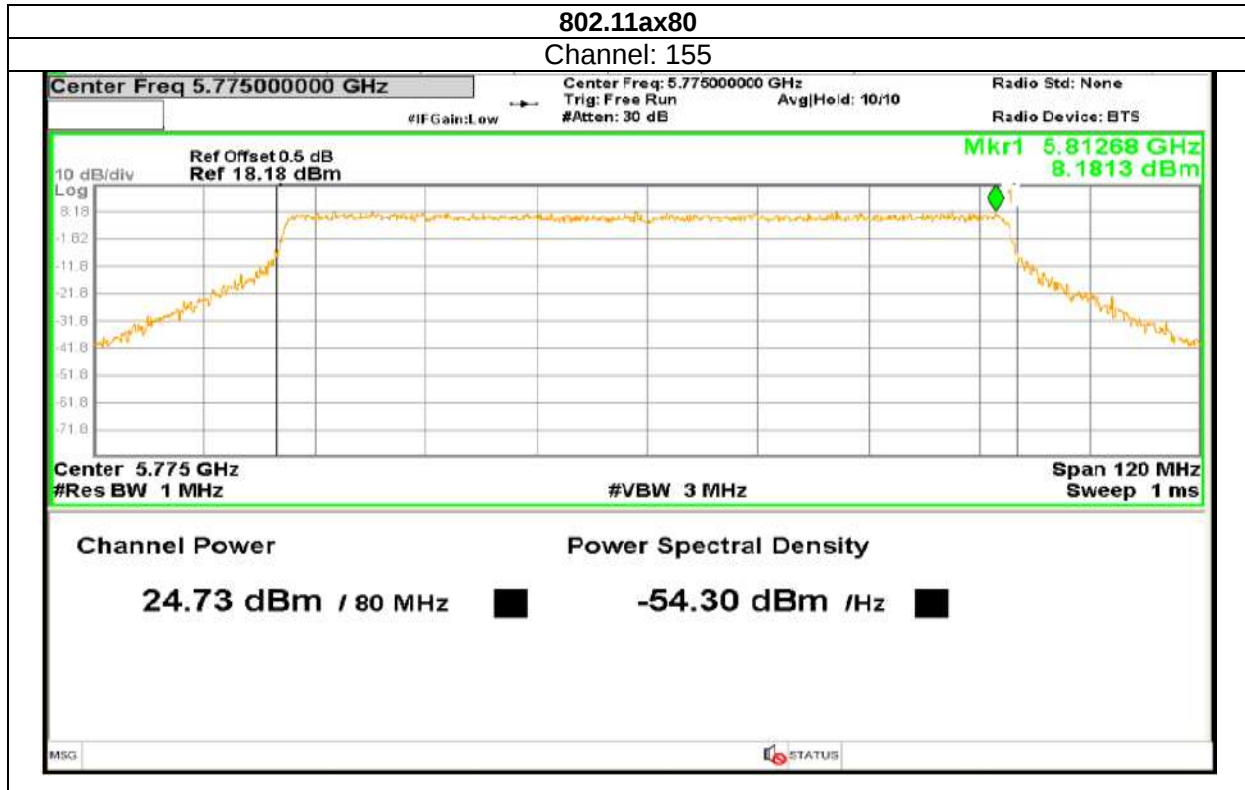
802.11ax40

Channel: 151



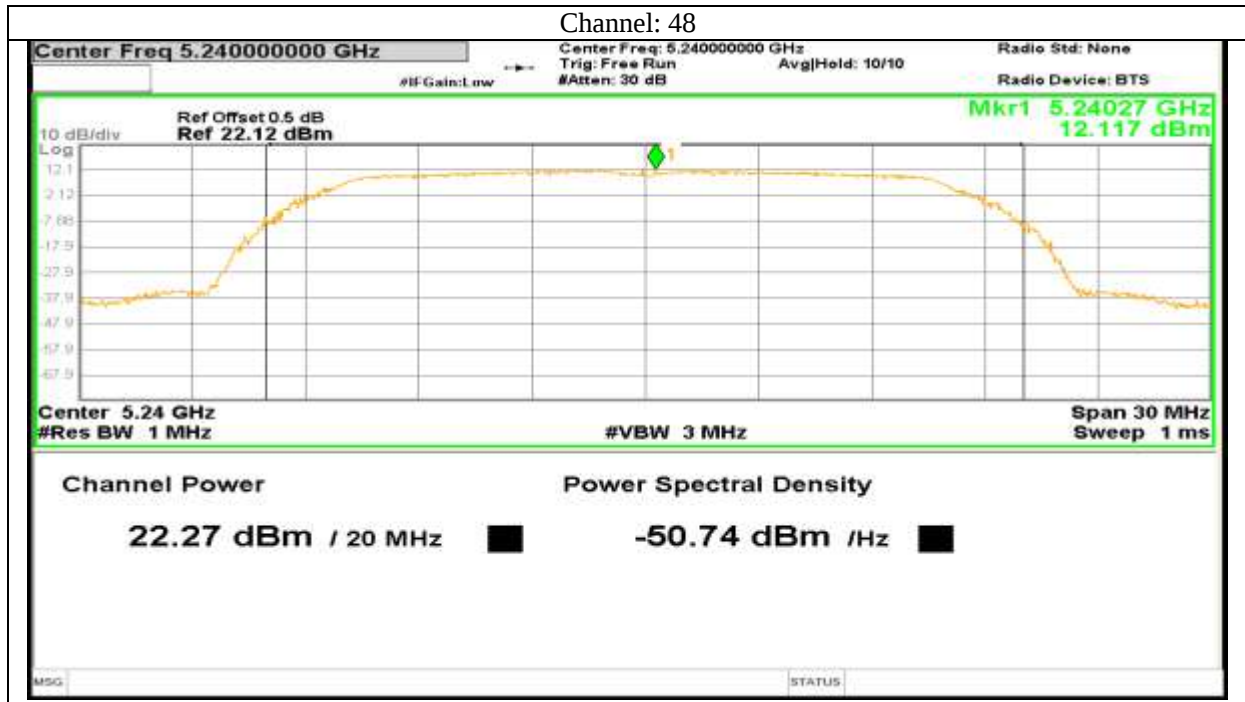
Channel: 159



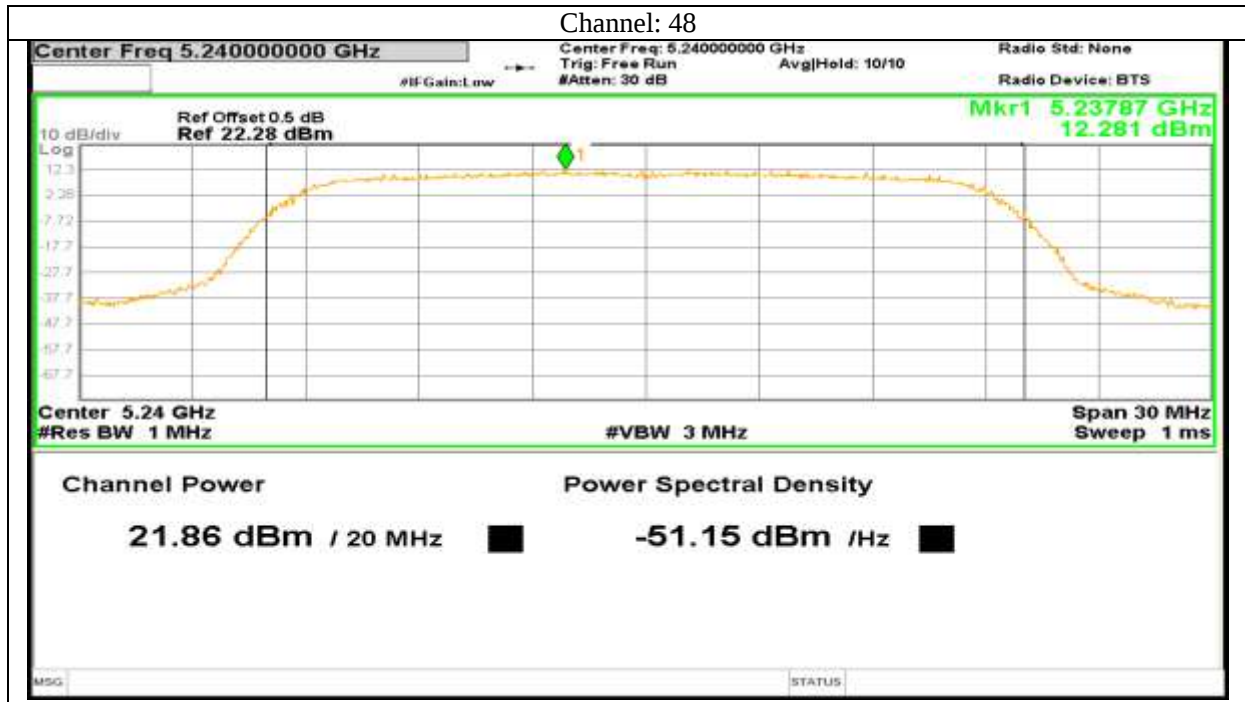


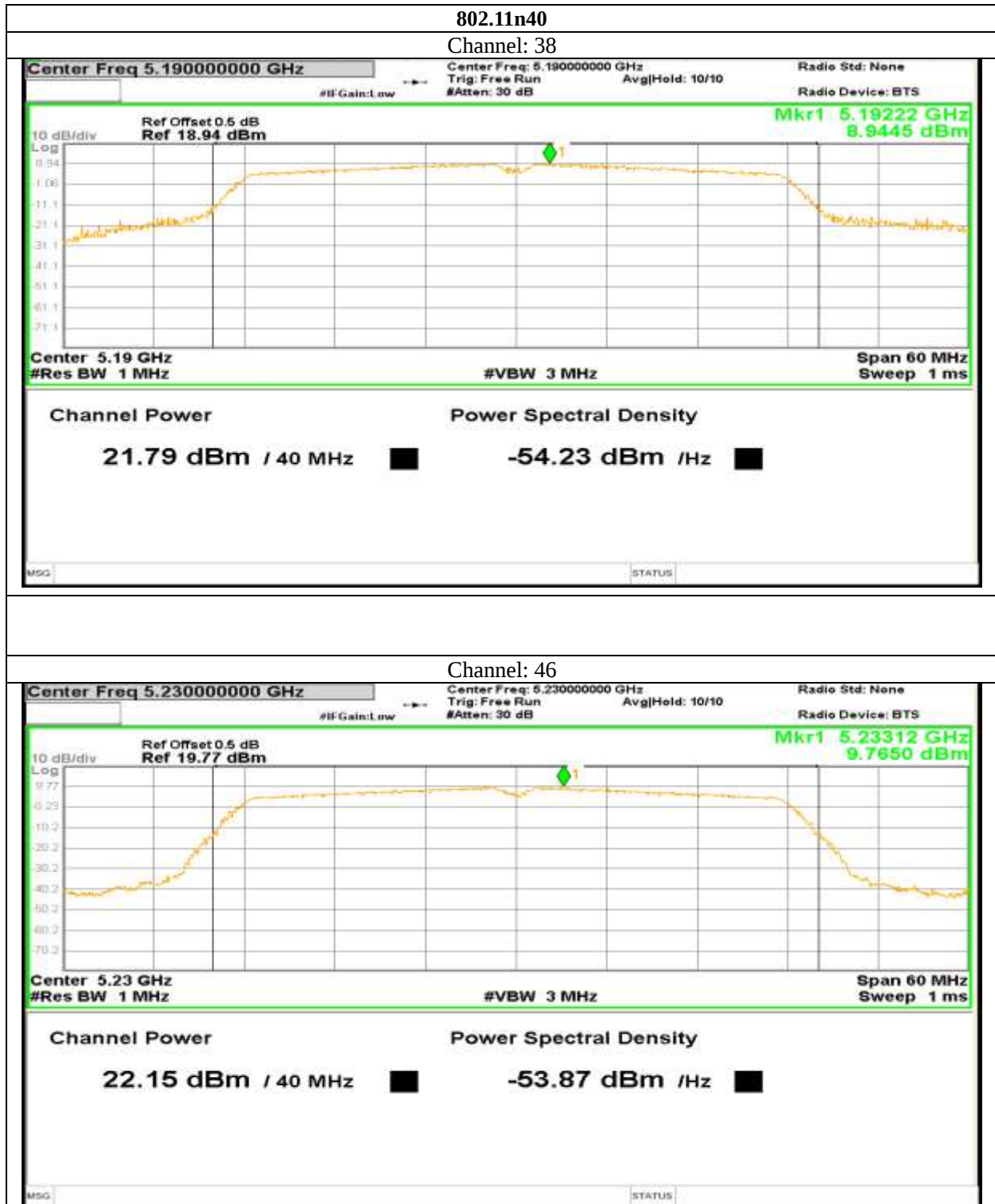
### Antenna 1:

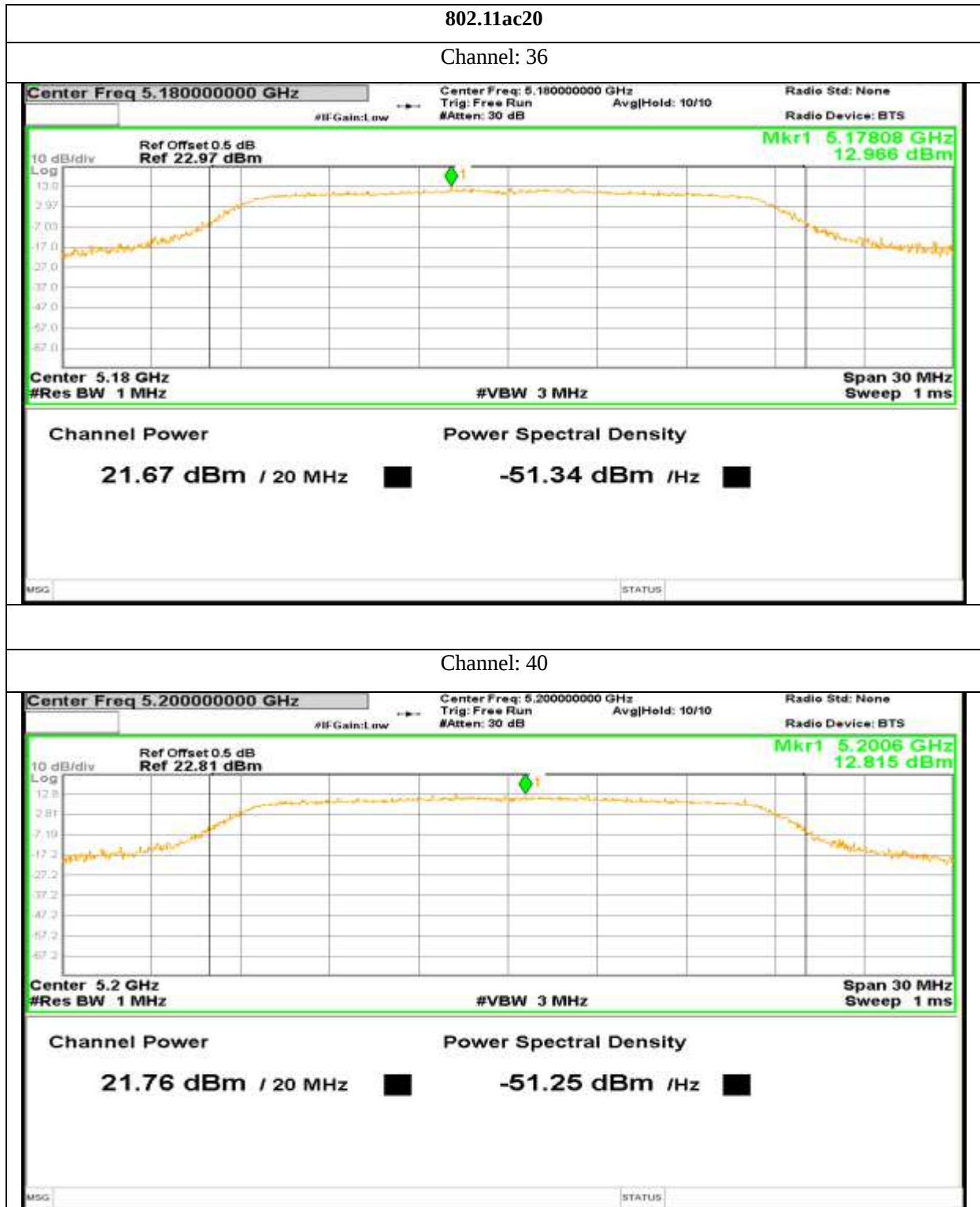


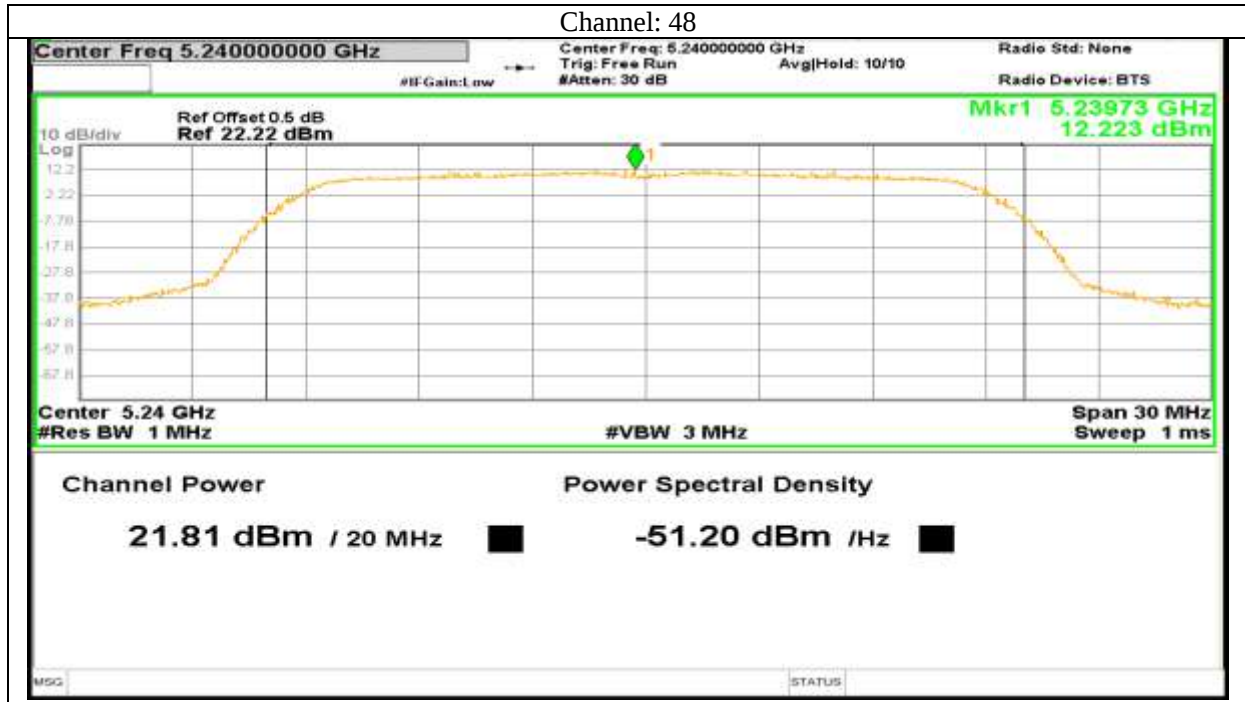


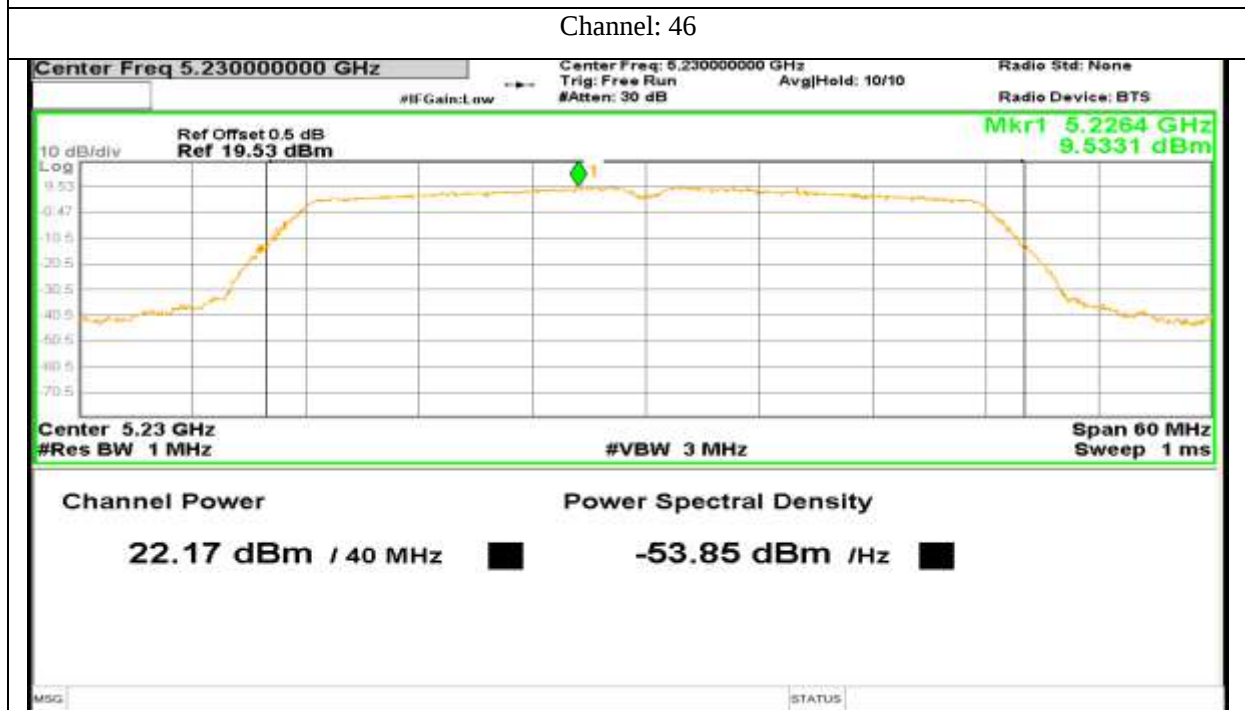
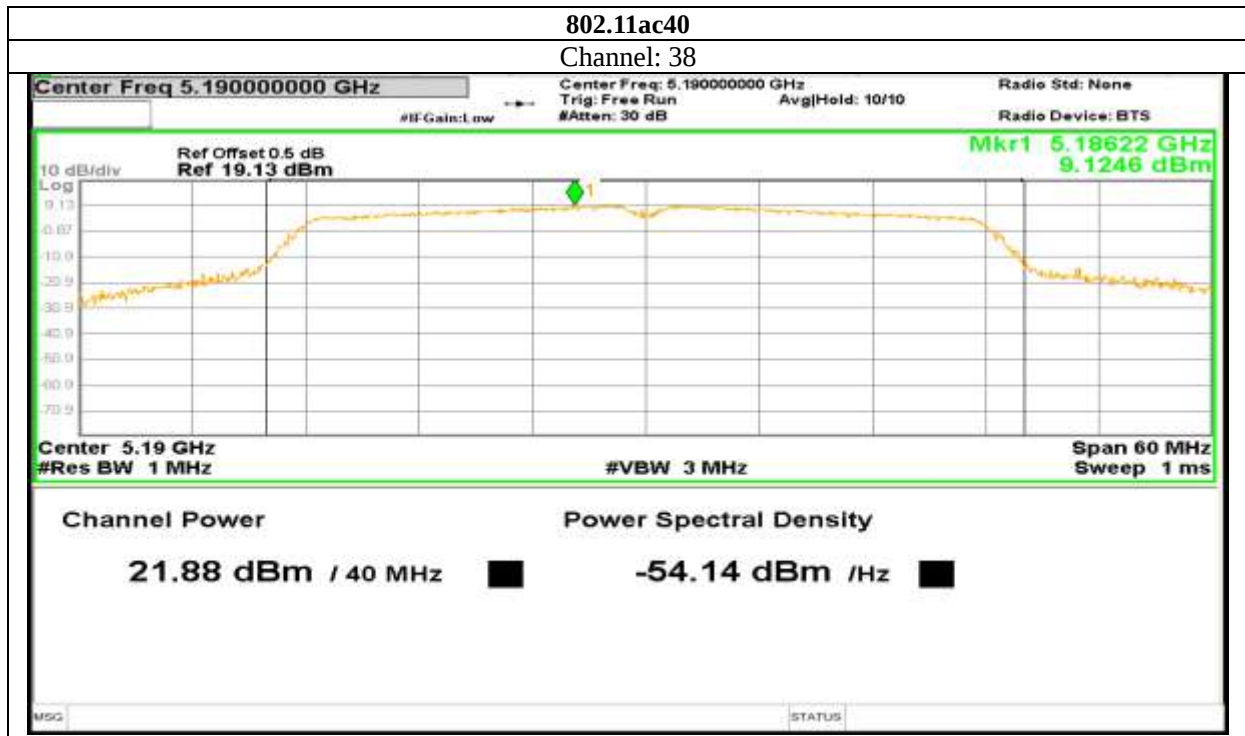


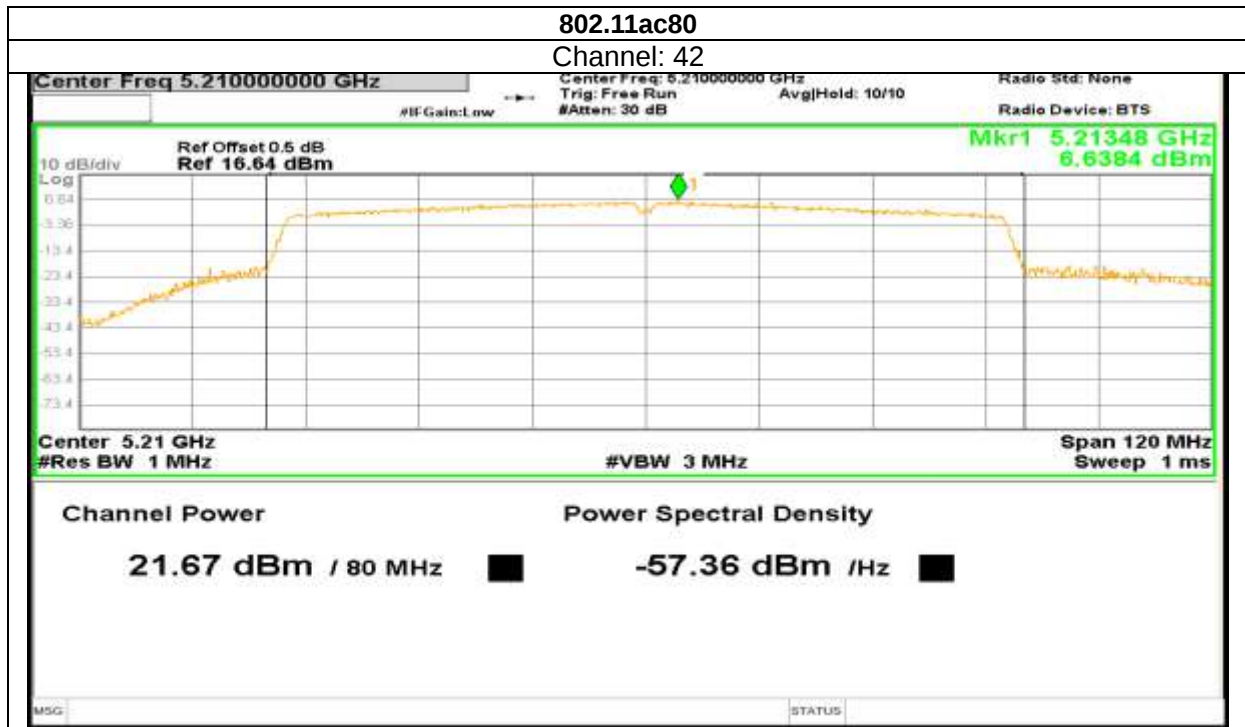












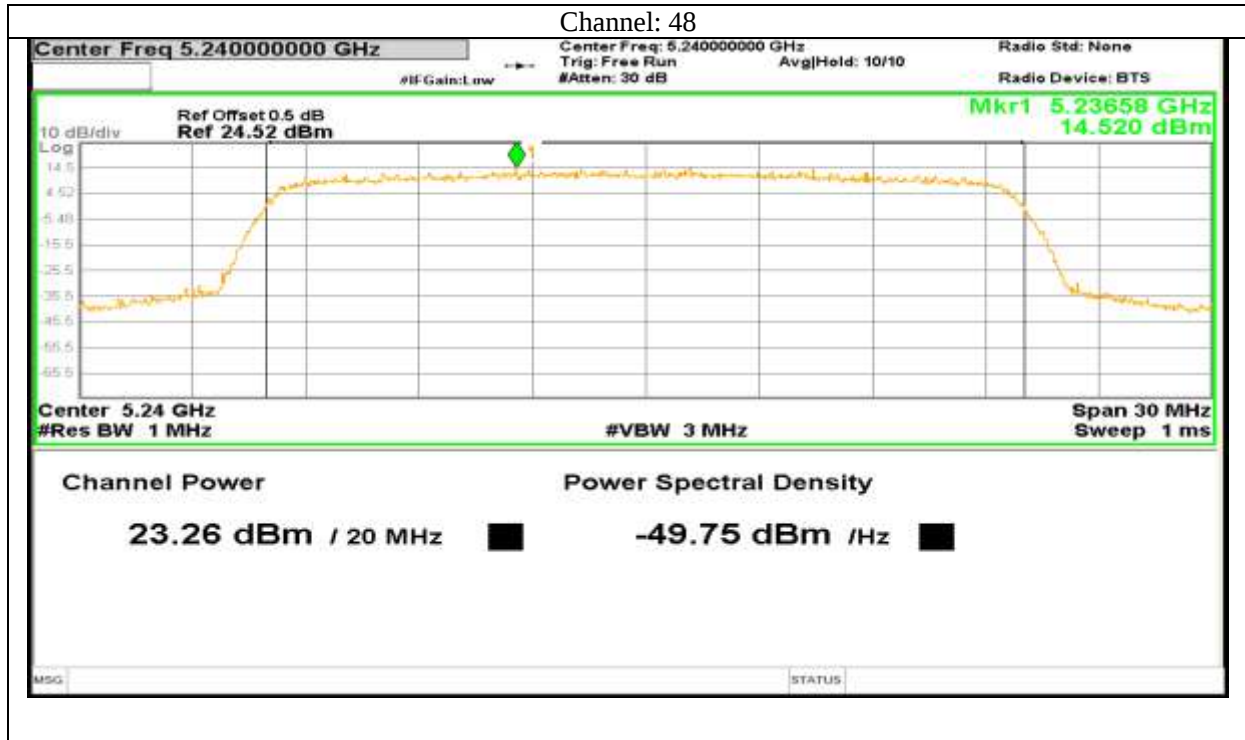
802.11ax20

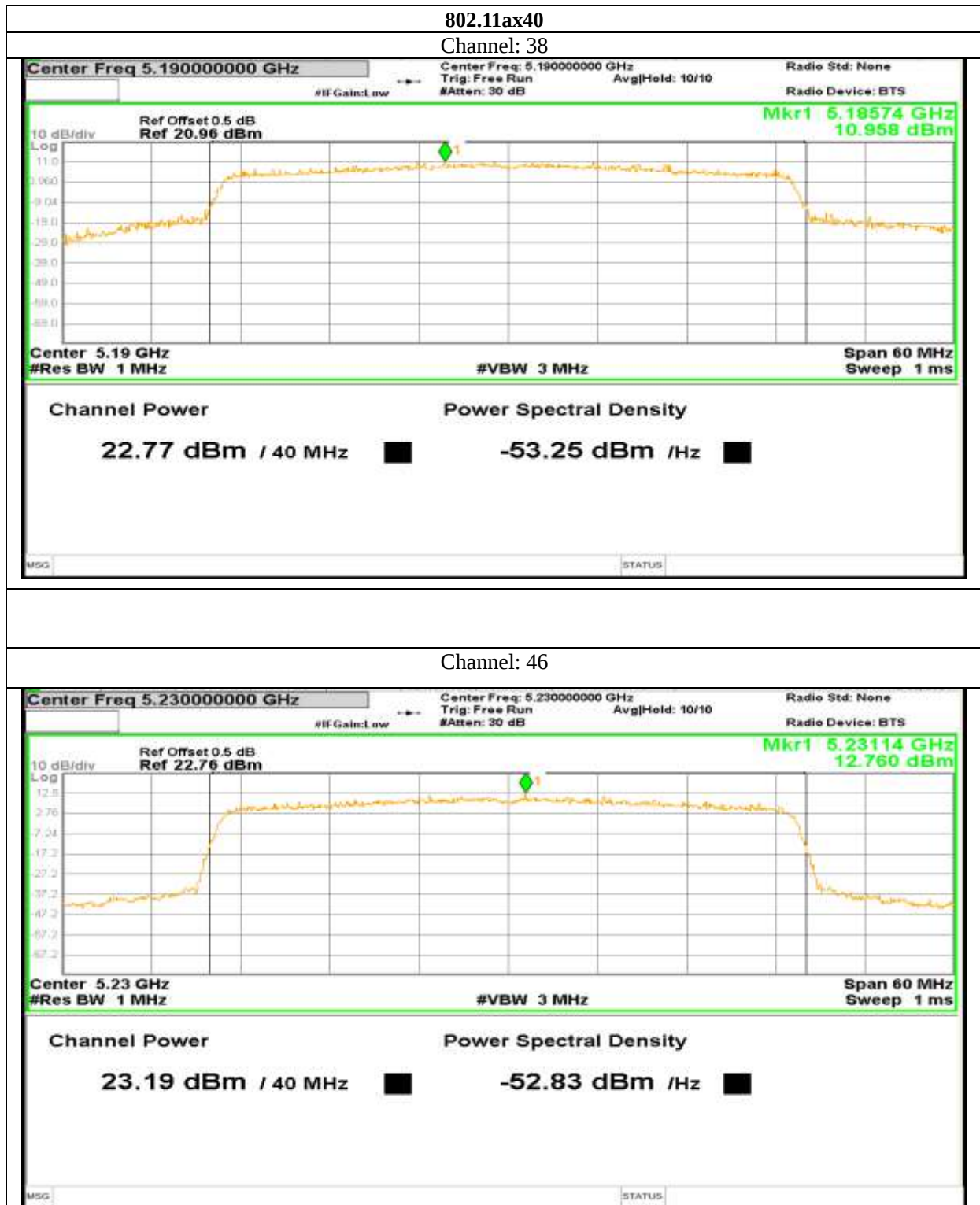
Channel: 36

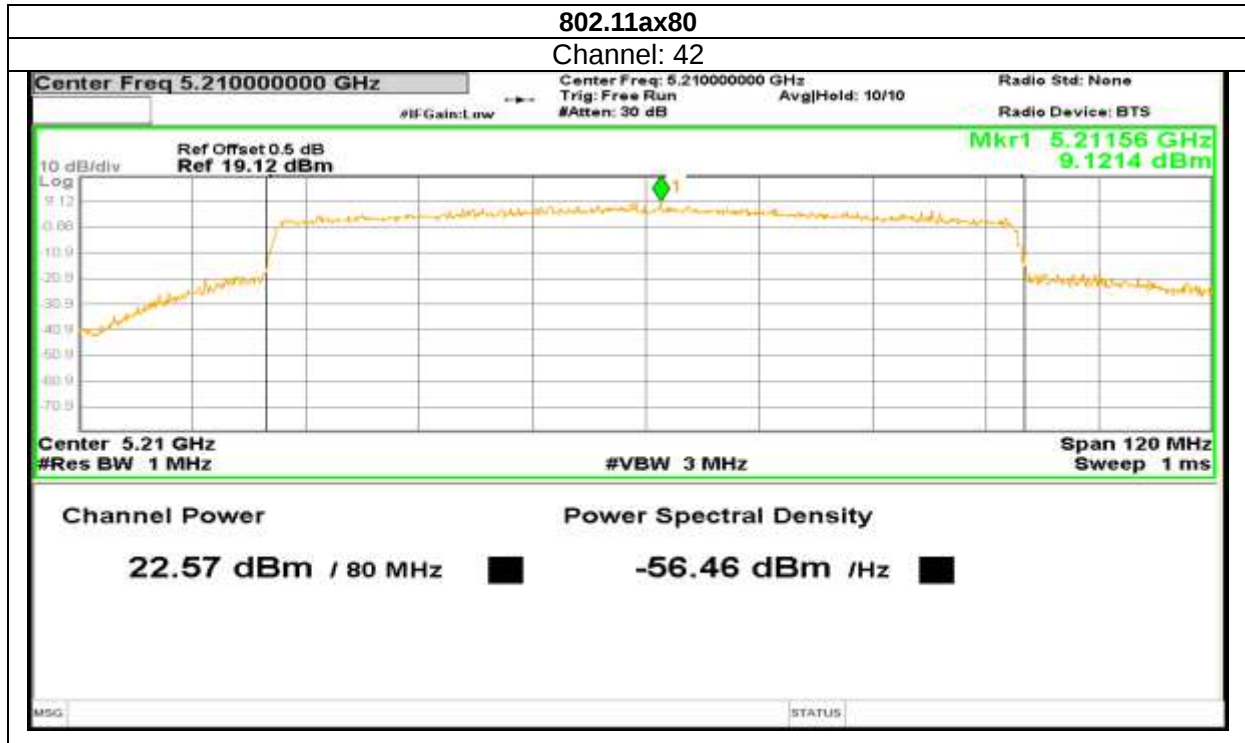


Channel: 40

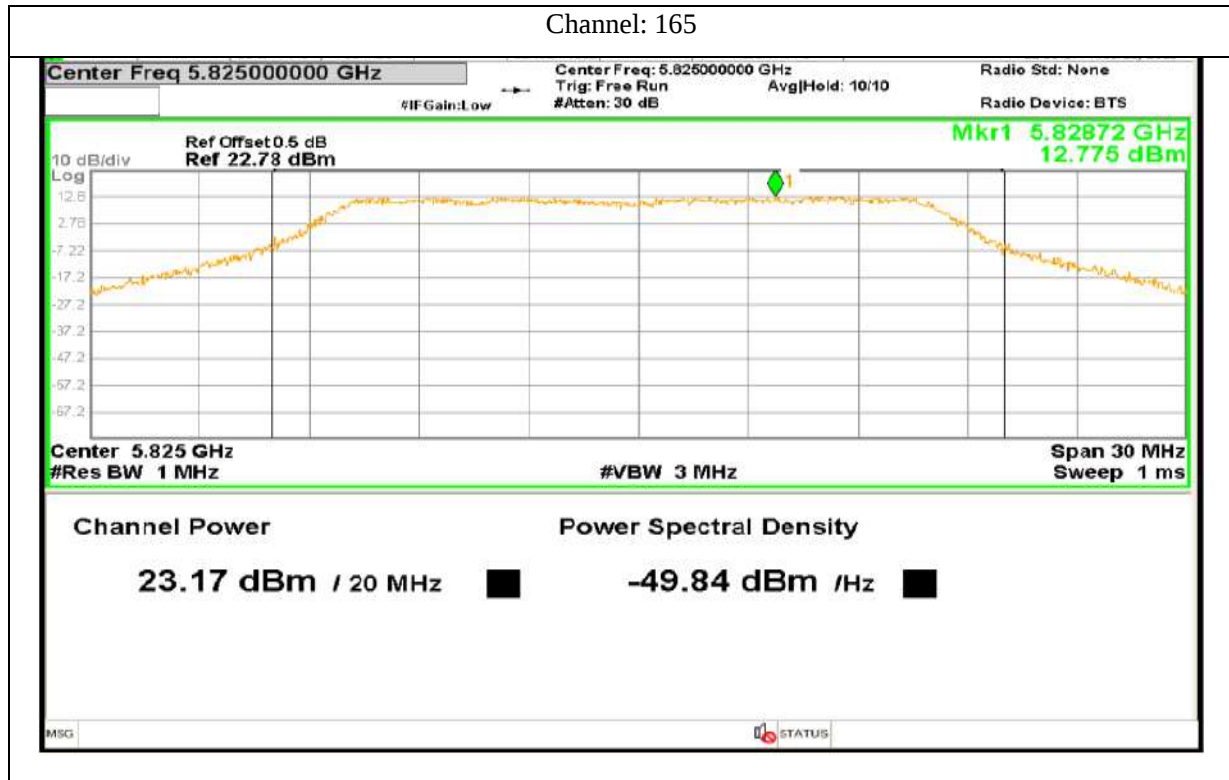




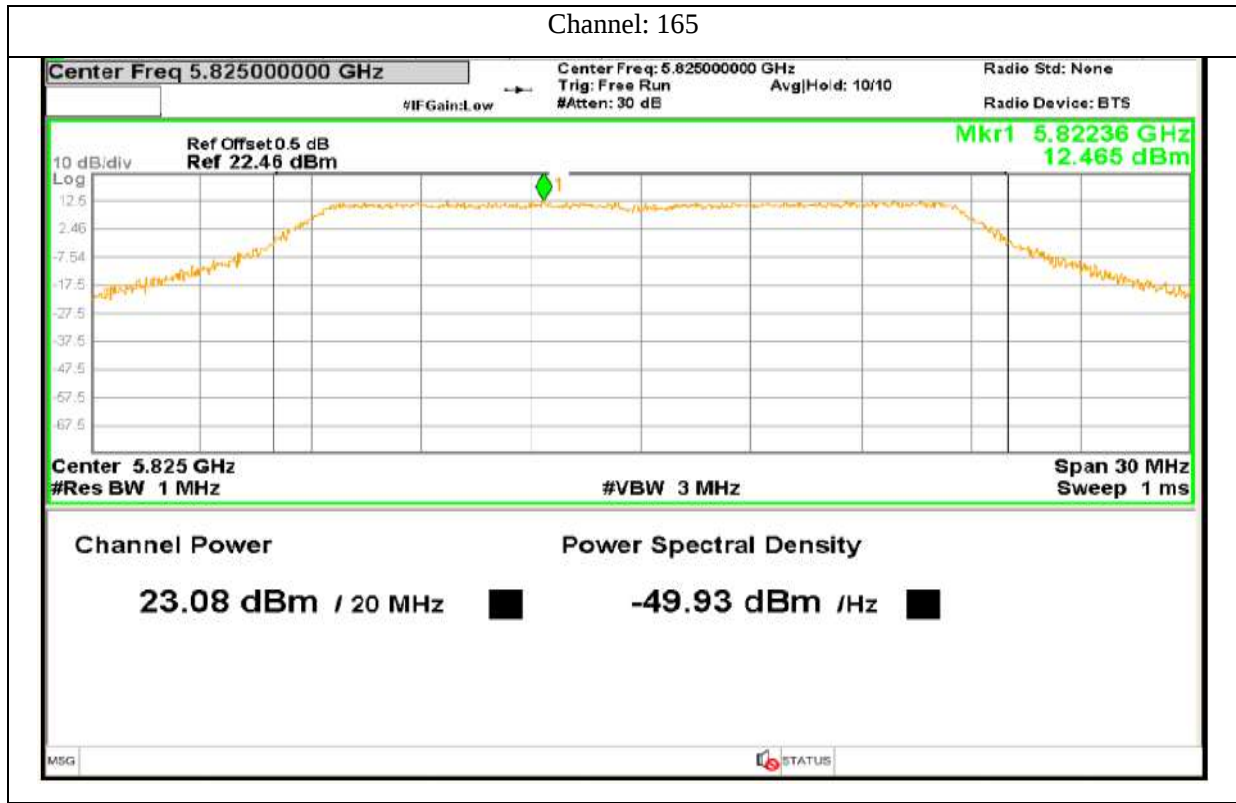


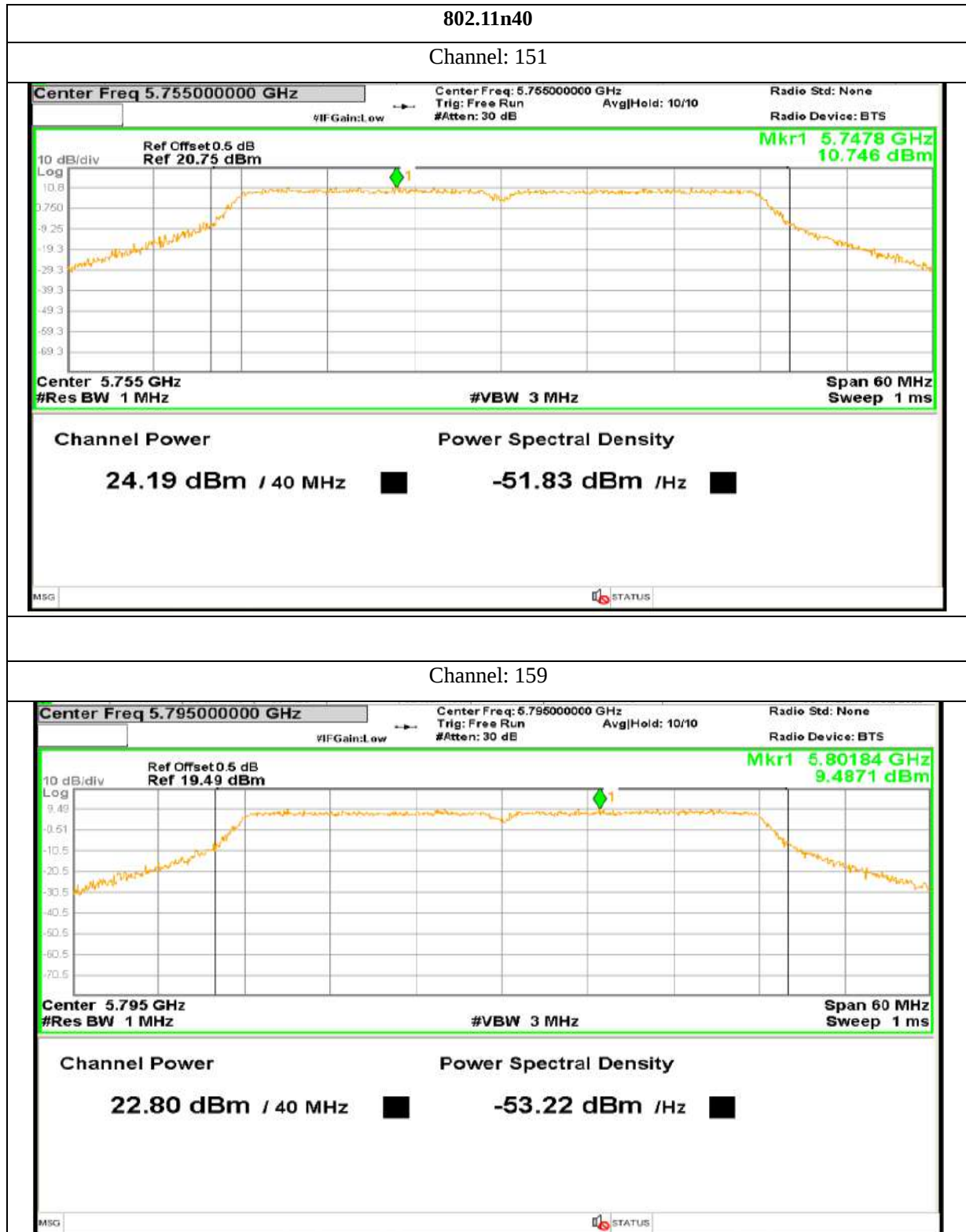




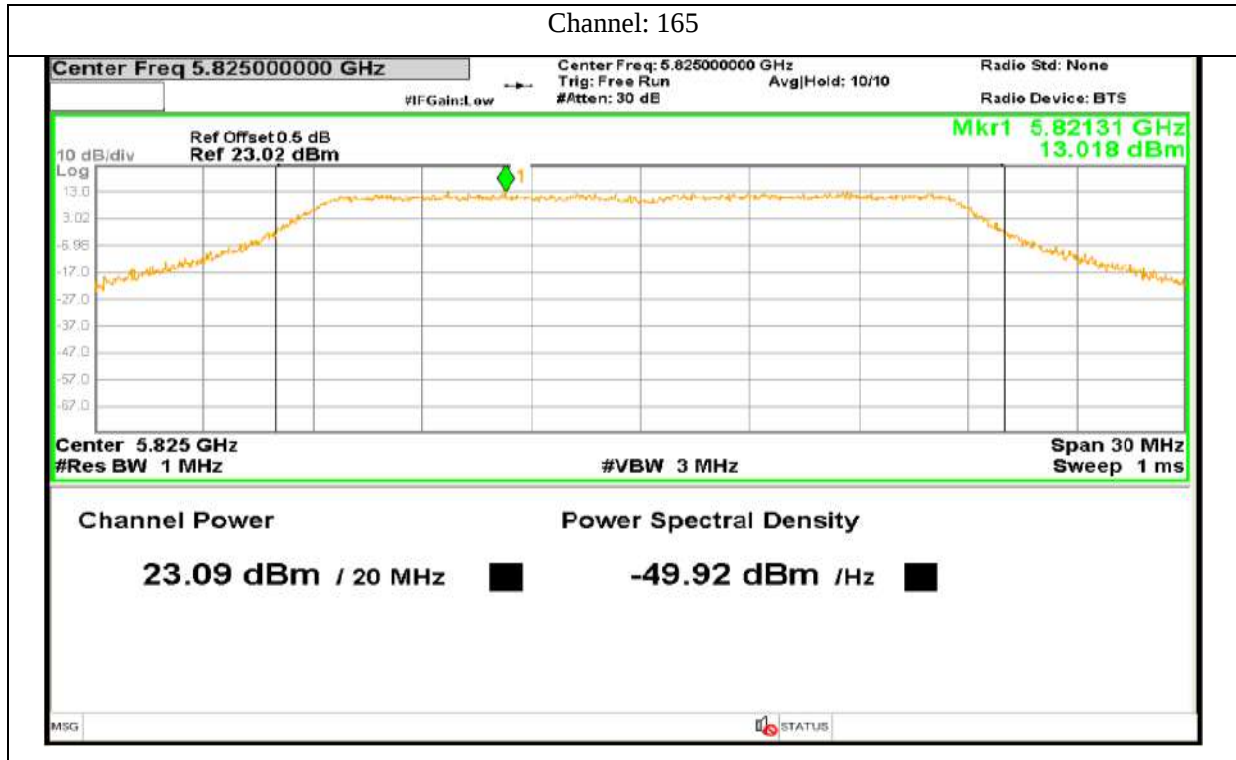


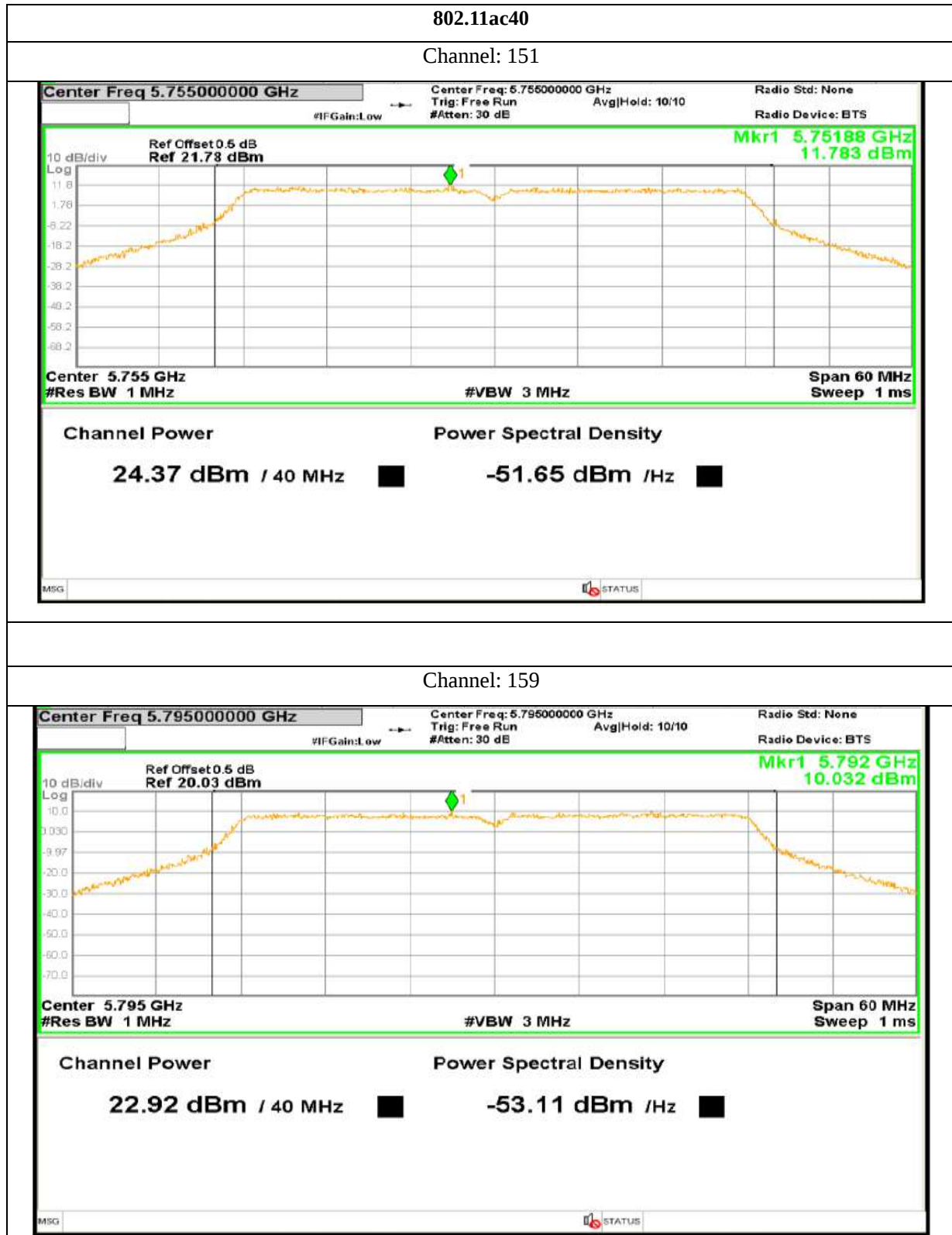


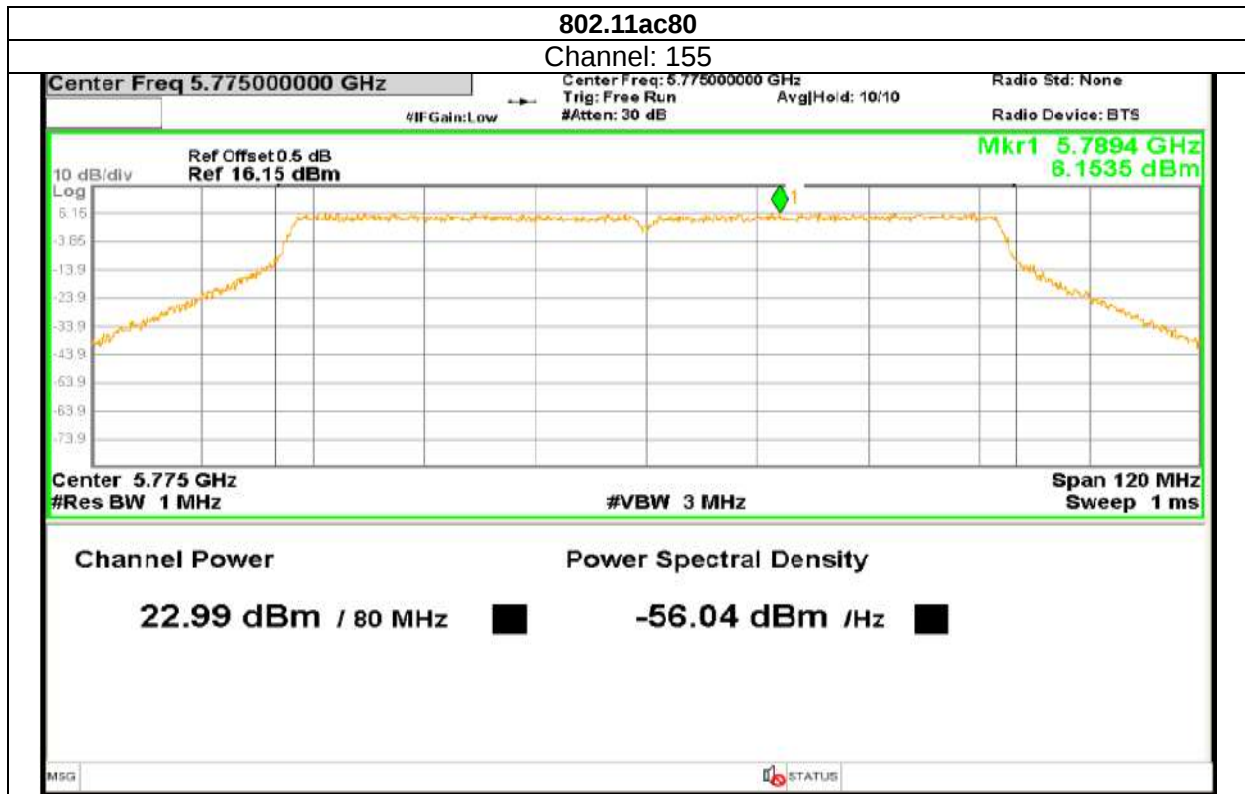






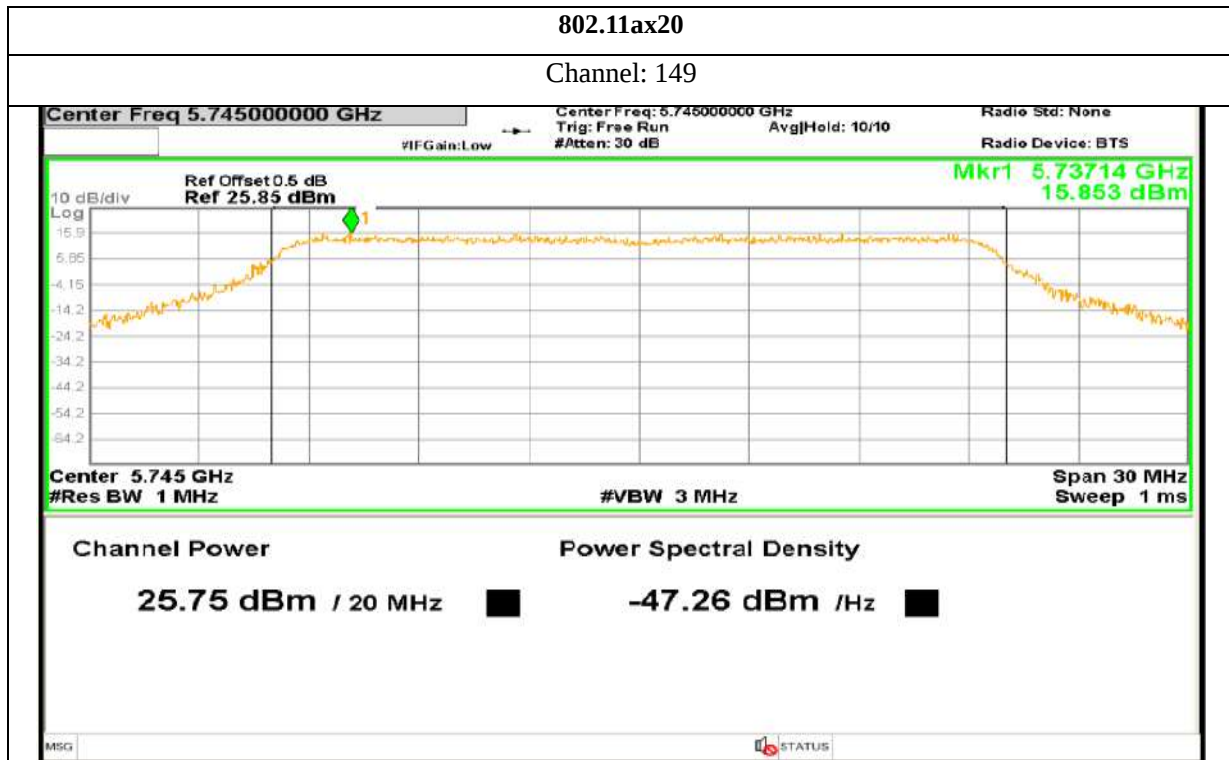




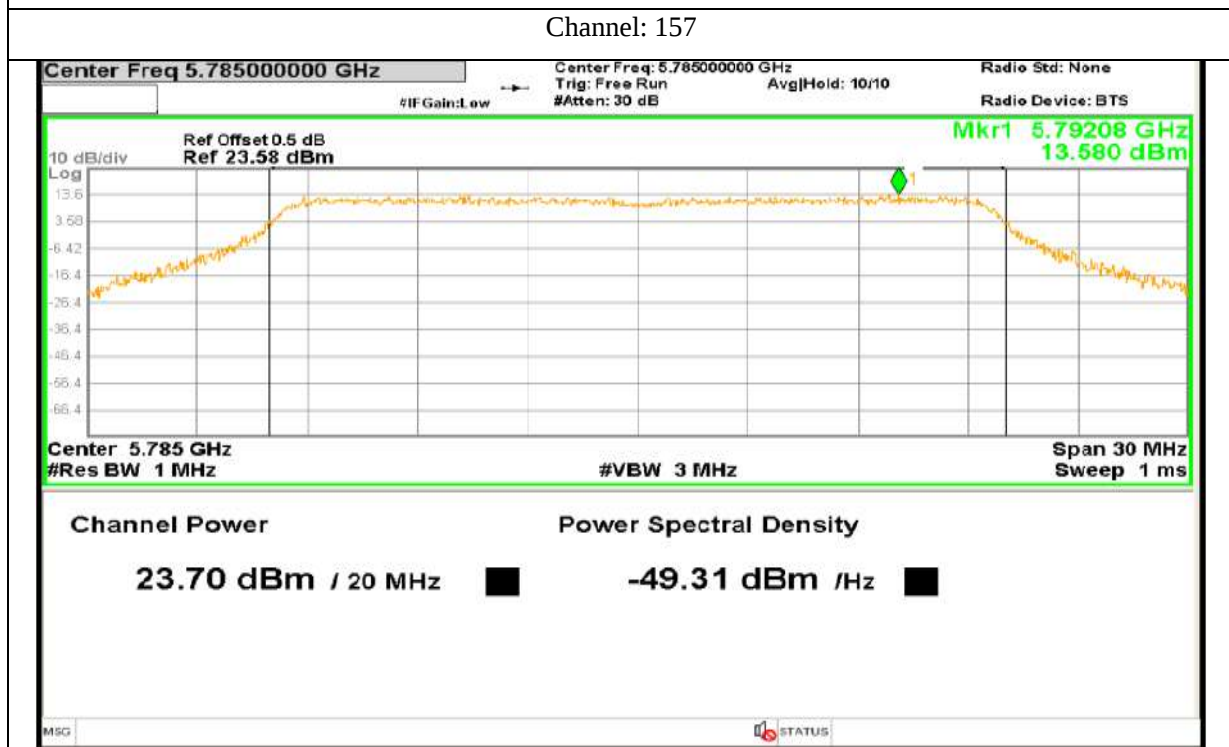


802.11ax20

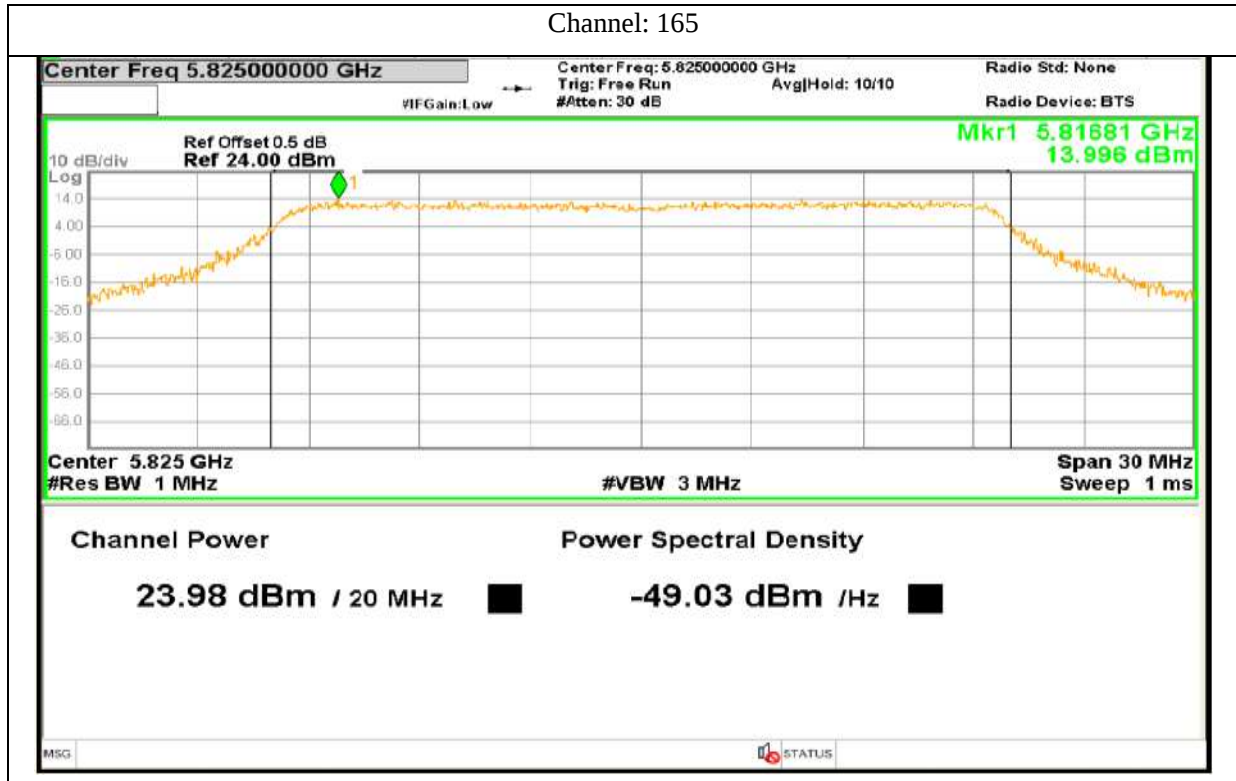
Channel: 149

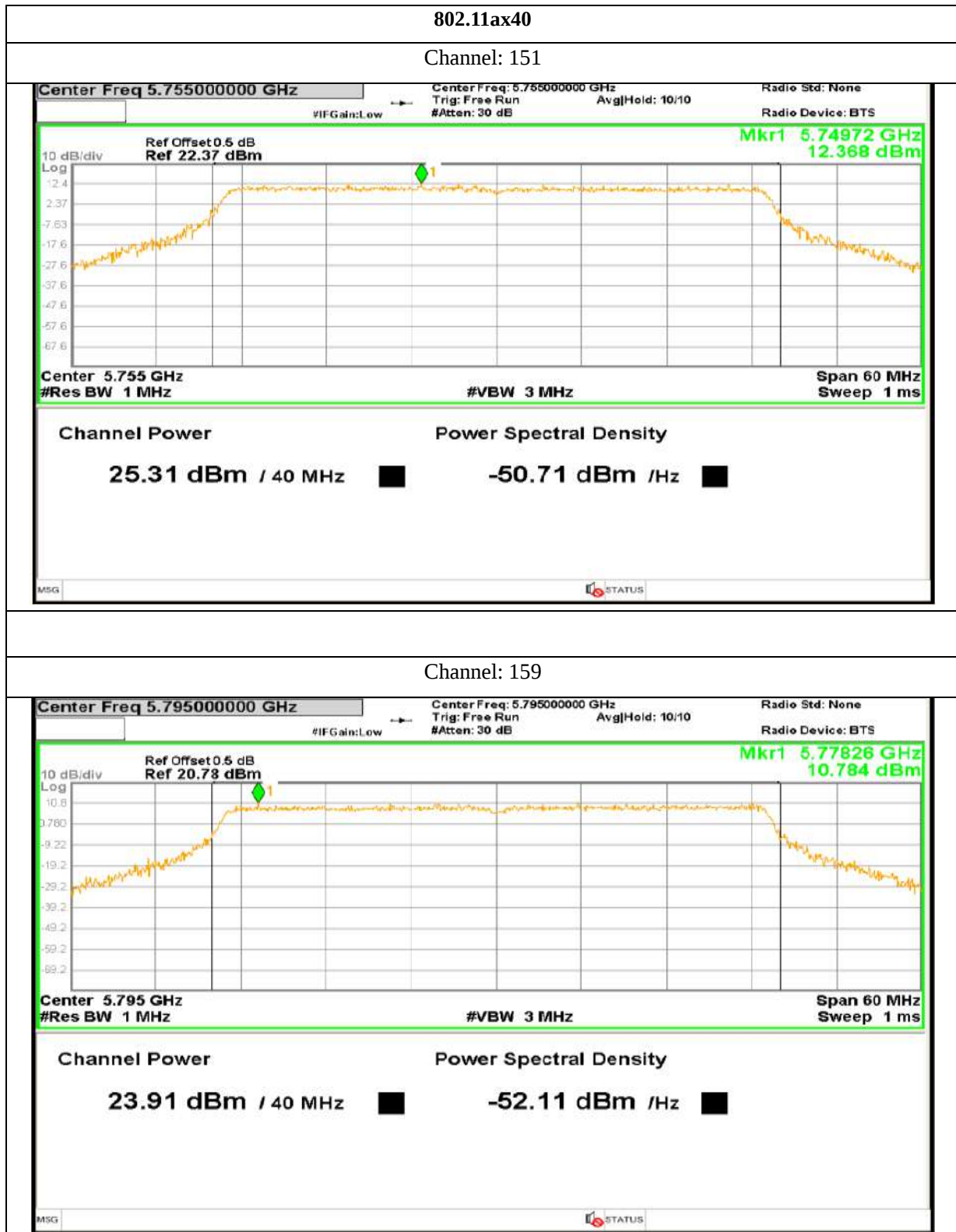


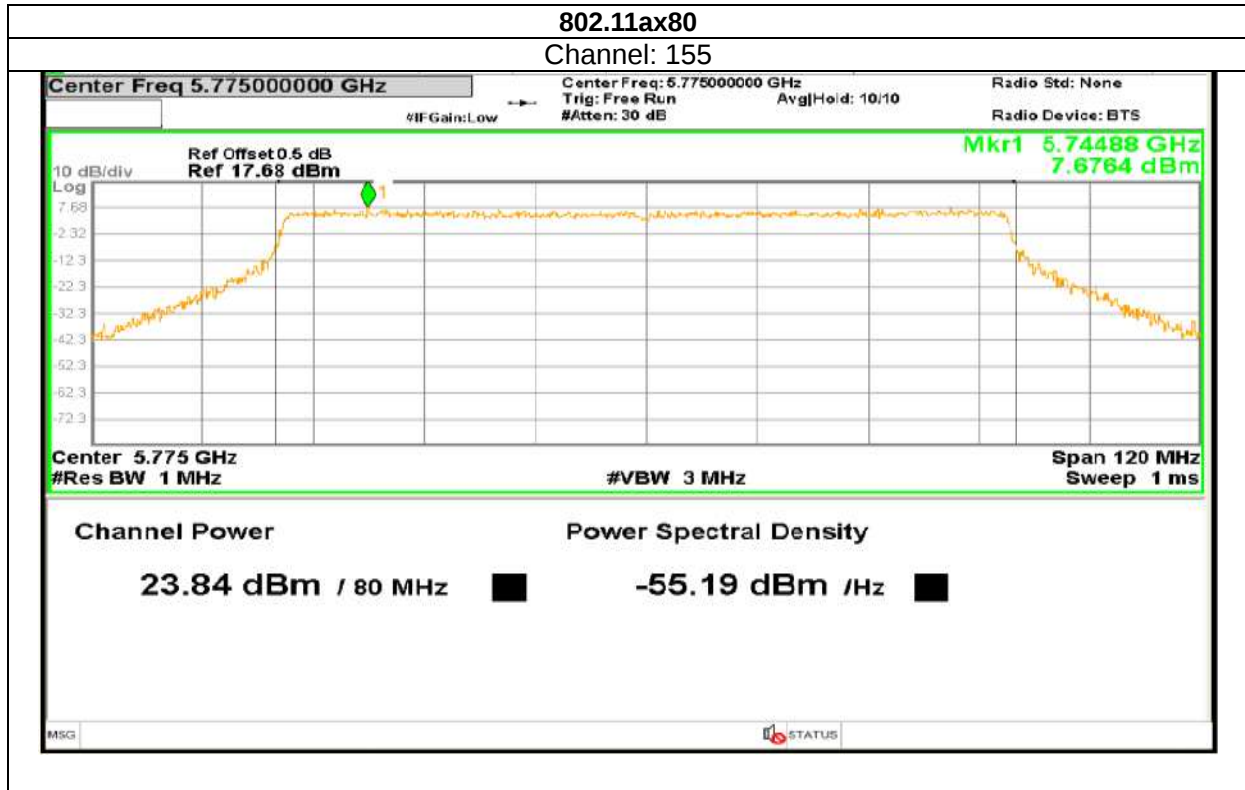
Channel: 157



Channel: 165







## Antenna 2:

