

# Transmitter Maximum Power Spectral Density (continued)

**Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna**

| Channel | Port 1 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 1 Corrected PSD (dBm/MHz) | Port 2 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 2 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -5.9                 | 1.8                        | -4.1                           | -4.7                 | 1.8                        | -2.9                           |
| Middle  | -5.6                 | 1.8                        | -3.8                           | -5.4                 | 1.8                        | -3.6                           |
| Top-1   | -6.3                 | 1.8                        | -4.5                           | -6.1                 | 1.8                        | -4.3                           |

| Channel | Port 3 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 3 Corrected PSD (dBm/MHz) | Port 4 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 4 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -5.3                 | 1.8                        | -3.5                           | -6.2                 | 1.8                        | -4.4                           |
| Middle  | -5.4                 | 1.8                        | -3.6                           | -6.2                 | 1.8                        | -4.4                           |
| Top-1   | -6.1                 | 1.8                        | -4.3                           | -7.8                 | 1.8                        | -6.0                           |

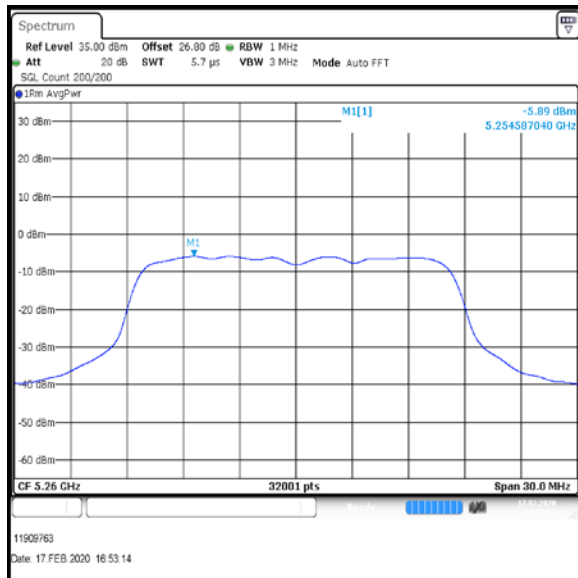
| Channel | Corrected PSD Port 1 (dBm/MHz) | Corrected PSD Port 2 (dBm/MHz) | Corrected PSD Port 3 (dBm/MHz) | Corrected PSD Port 4 (dBm/MHz) | Port 1+2+3+4 Combined PSD (dBm/MHz) |
|---------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| Bottom  | -4.1                           | -2.9                           | -3.5                           | -4.4                           | 1.9                                 |
| Middle  | -3.8                           | -3.6                           | -3.6                           | -4.4                           | 2.0                                 |
| Top-1   | -4.5                           | -4.3                           | -4.3                           | -6.0                           | 0.8                                 |

| Channel | Combined Conducted PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|----------------------------------|-----------------|-------------|----------|
| Bottom  | 1.9                              | 2.9             | 1.0         | Complied |
| Middle  | 2.0                              | 2.9             | 0.9         | Complied |
| Top-1   | 0.8                              | 2.9             | 2.1         | Complied |

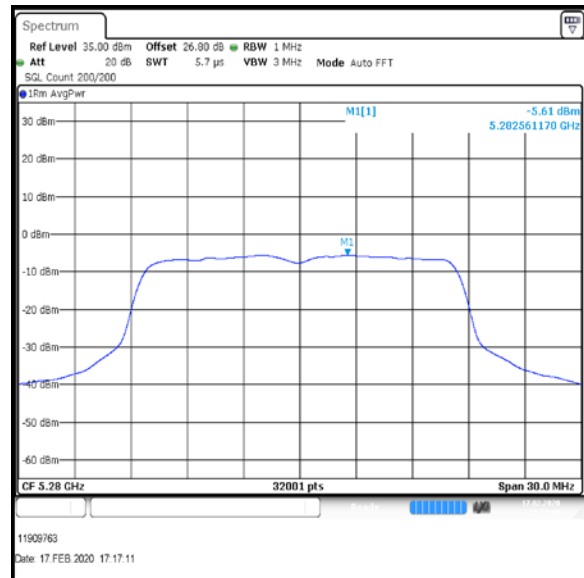
**Result: Pass**

## Transmitter Maximum Power Spectral Density (continued)

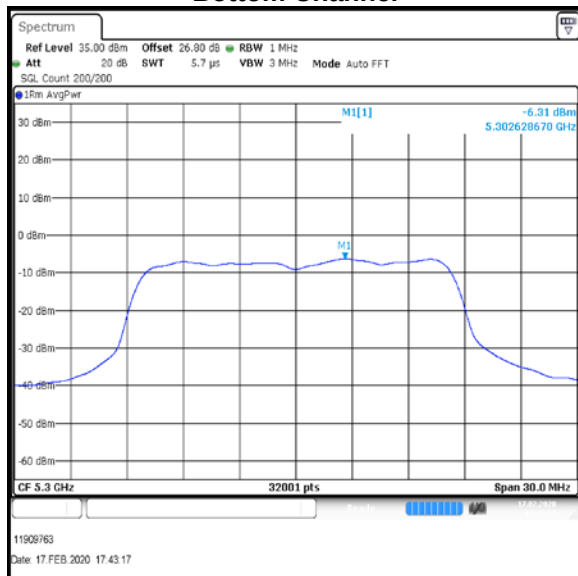
**Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 1**



Bottom Channel



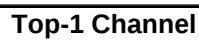
Middle Channel



Top-1 Channel

Result: **Pass**

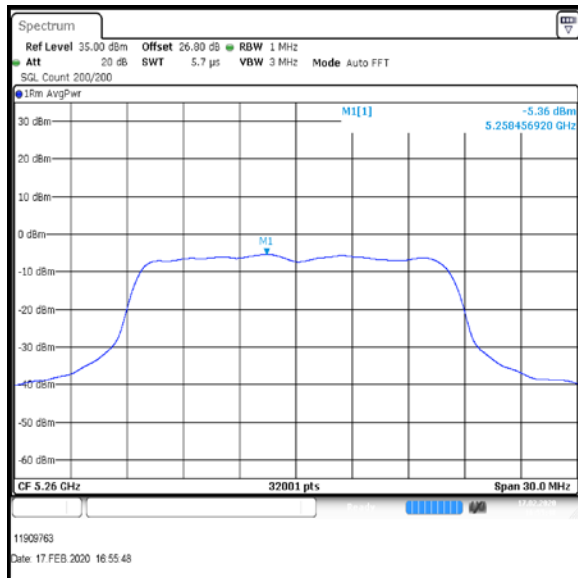
**Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 2**



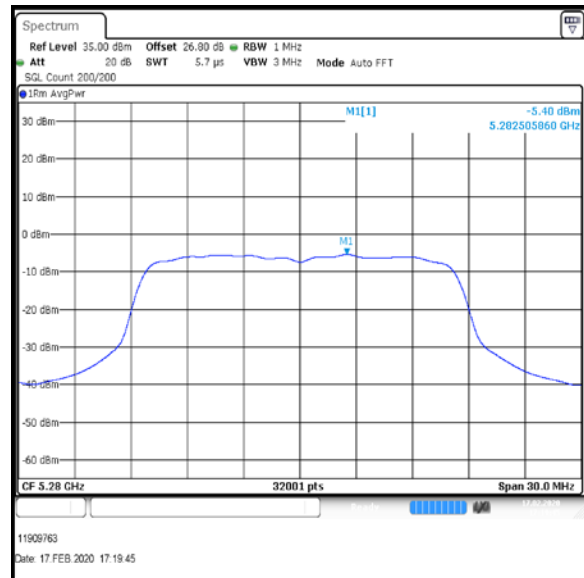
**Result: Pass**

## Transmitter Maximum Power Spectral Density (continued)

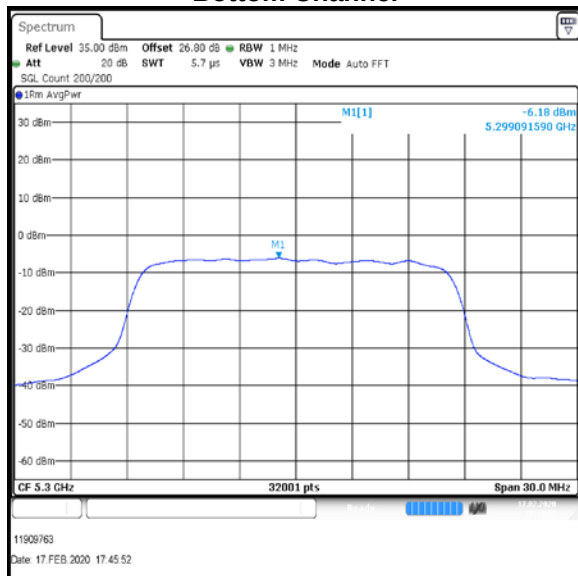
**Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 3**



Bottom Channel



Middle Channel

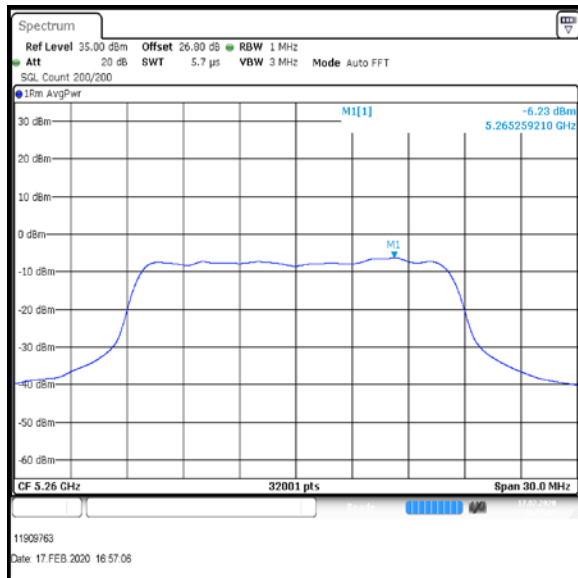


Top-1 Channel

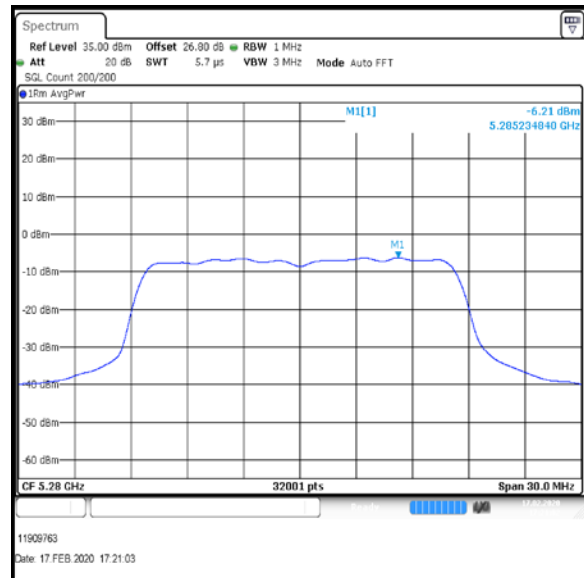
Result: **Pass**

## Transmitter Maximum Power Spectral Density (continued)

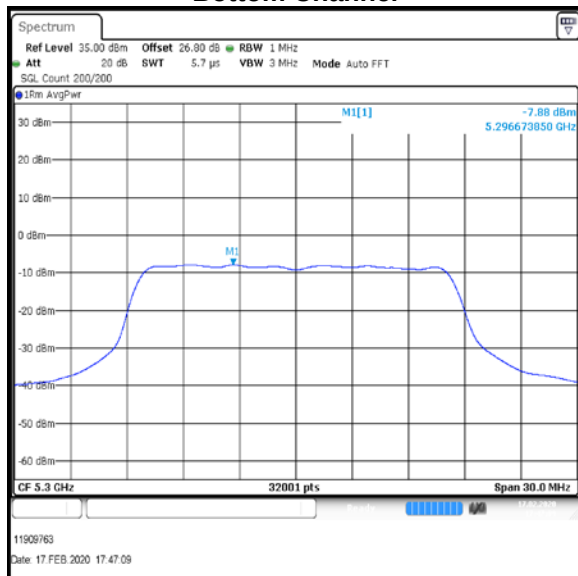
**Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 4**



Bottom Channel



Middle Channel



Top-1 Channel

Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna**

| Channel | Port 1 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 1 Corrected PSD (dBm/MHz) | Port 2 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 2 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Top     | -6.8                 | 1.8                        | -5.0                           | -5.3                 | 1.8                        | -3.5                           |

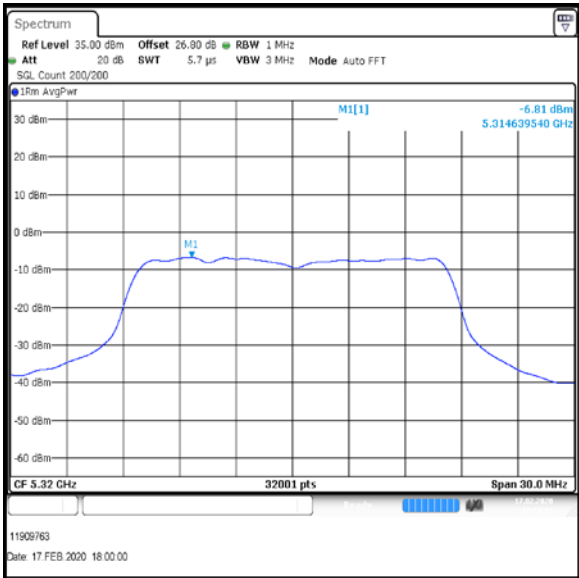
| Channel | Port 3 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 3 Corrected PSD (dBm/MHz) | Port 4 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 4 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Top     | -7.8                 | 1.8                        | -6.0                           | -7.7                 | 1.8                        | -5.9                           |

| Channel | Corrected PSD Port 1 (dBm/MHz) | Corrected PSD Port 2 (dBm/MHz) | Corrected PSD Port 3 (dBm/MHz) | Corrected PSD Port 4 (dBm/MHz) | Port 1+2+3+4 Combined PSD (dBm/MHz) |
|---------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| Top     | -5.0                           | -3.5                           | -6.0                           | -5.9                           | 0.7                                 |

| Channel | Combined Conducted PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|----------------------------------|-----------------|-------------|----------|
| Top     | 0.7                              | 2.9             | 2.2         | Complied |

**Result: Pass**

**Transmitter Maximum Power Spectral Density (continued)**  
**Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 1**

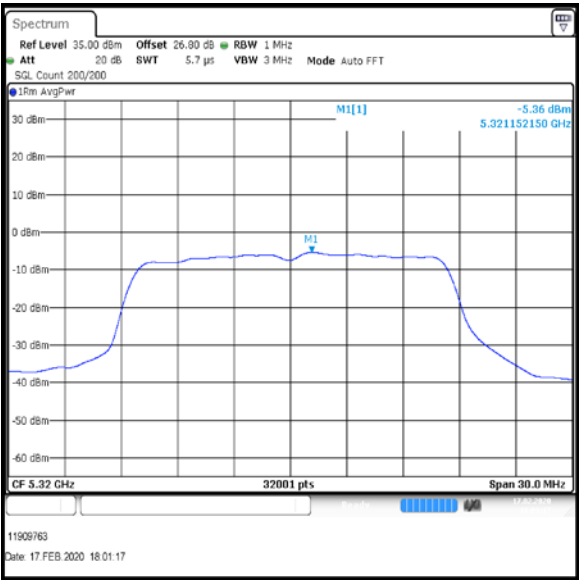


Top Channel

Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 2**

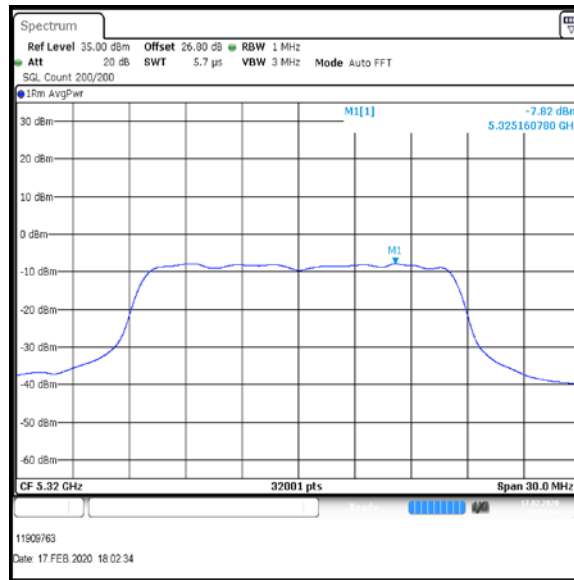


**Top Channel**

**Result: Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 3**

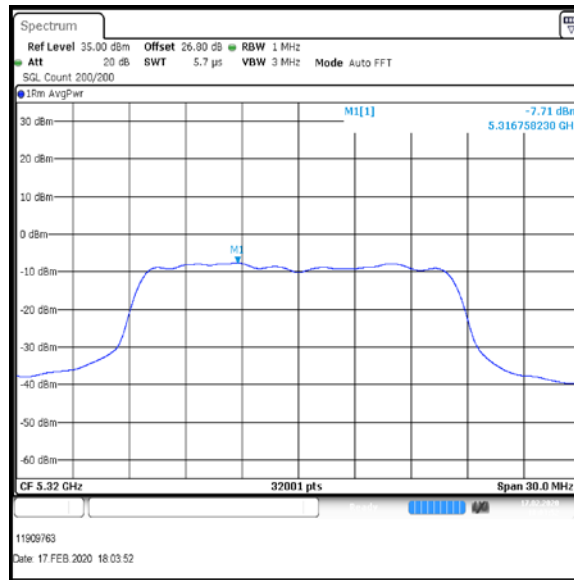


**Top Channel**

**Result: Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11a / 20 MHz / 54Mbit / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 4**



**Top Channel**

**Result: Pass**

# Transmitter Maximum Power Spectral Density (continued)

## Results: 802.11n / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna

| Channel | Port 1 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 1 Corrected PSD (dBm/MHz) | Port 2 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 2 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -4.3                 | 0.5                        | -3.8                           | -4.0                 | 0.5                        | -3.5                           |
| Middle  | -4.3                 | 0.5                        | -3.8                           | -3.5                 | 0.5                        | -3.0                           |
| Top-1   | -4.7                 | 0.5                        | -4.2                           | -4.7                 | 0.5                        | -4.2                           |

| Channel | Port 3 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 3 Corrected PSD (dBm/MHz) | Port 4 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 4 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -4.2                 | 0.5                        | -3.7                           | -5.6                 | 0.5                        | -5.1                           |
| Middle  | -3.8                 | 0.5                        | -3.3                           | -5.5                 | 0.5                        | -5.0                           |
| Top-1   | -4.4                 | 0.5                        | -3.9                           | -5.5                 | 0.5                        | -5.0                           |

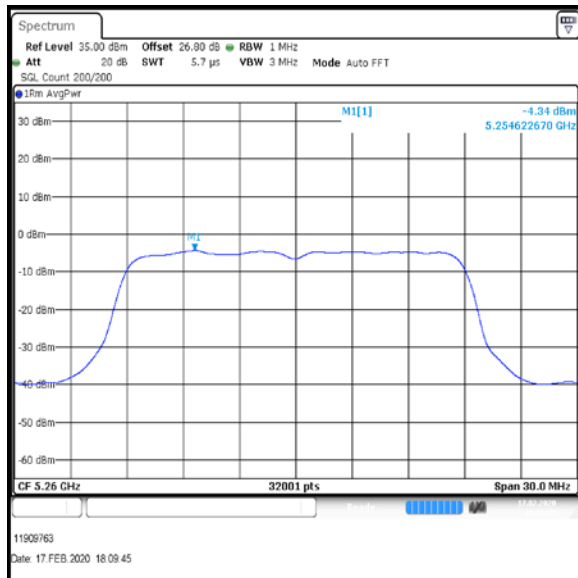
| Channel | Corrected PSD Port 1 (dBm/MHz) | Corrected PSD Port 2 (dBm/MHz) | Corrected PSD Port 3 (dBm/MHz) | Corrected PSD Port 4 (dBm/MHz) | Port 1+2+3+4 Combined PSD (dBm/MHz) |
|---------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| Bottom  | -3.8                           | -3.5                           | -3.7                           | -5.1                           | 1.7                                 |
| Middle  | -3.8                           | -3.0                           | -3.3                           | -5.0                           | 2.1                                 |
| Top-1   | -4.2                           | -4.2                           | -3.9                           | -5.0                           | 1.4                                 |

| Channel | Combined Conducted PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|----------------------------------|-----------------|-------------|----------|
| Bottom  | 1.7                              | 2.9             | 1.2         | Complied |
| Middle  | 2.1                              | 2.9             | 0.8         | Complied |
| Top-1   | 1.4                              | 2.9             | 1.5         | Complied |

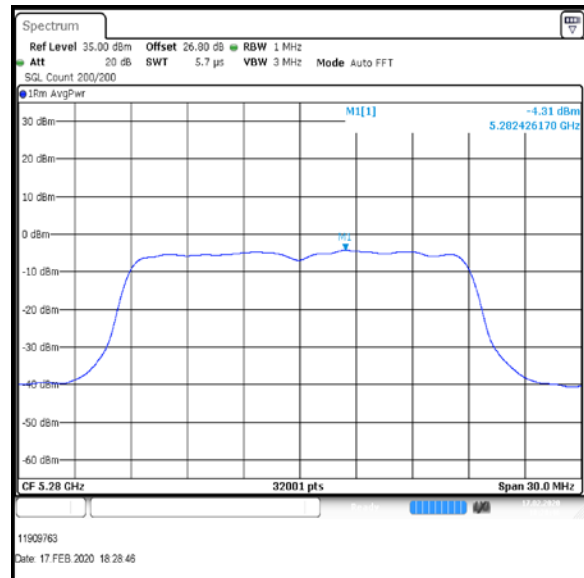
Result: **Pass**

## Transmitter Maximum Power Spectral Density (continued)

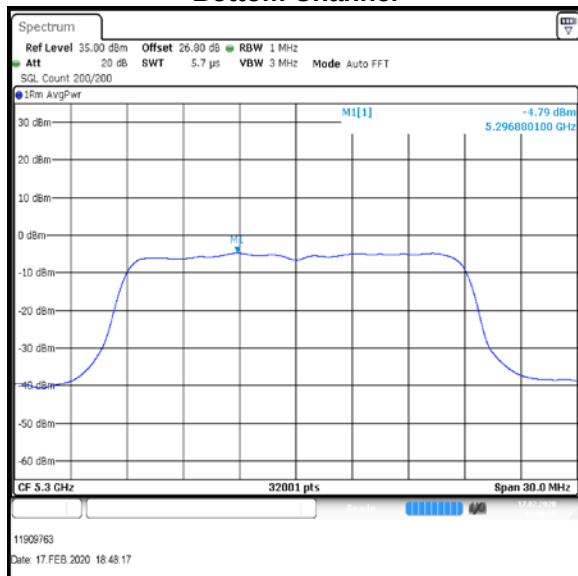
**Results: 802.11n / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 1**



Bottom Channel



Middle Channel

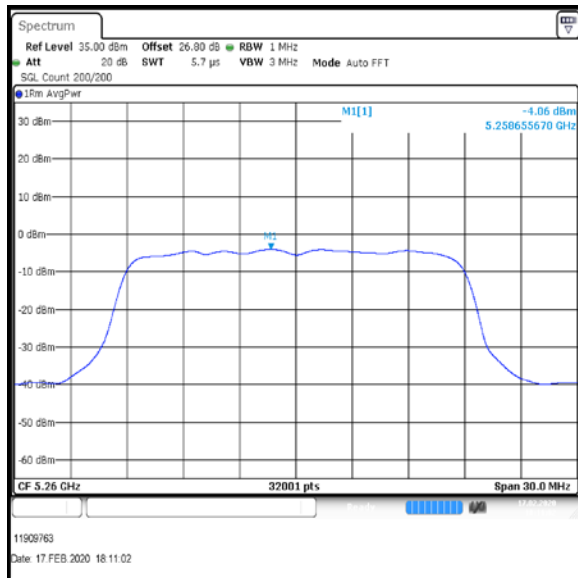


Top-1 Channel

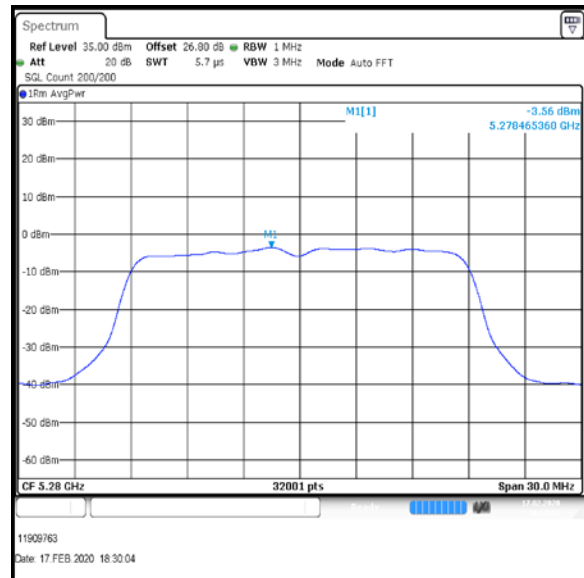
Result: **Pass**

## Transmitter Maximum Power Spectral Density (continued)

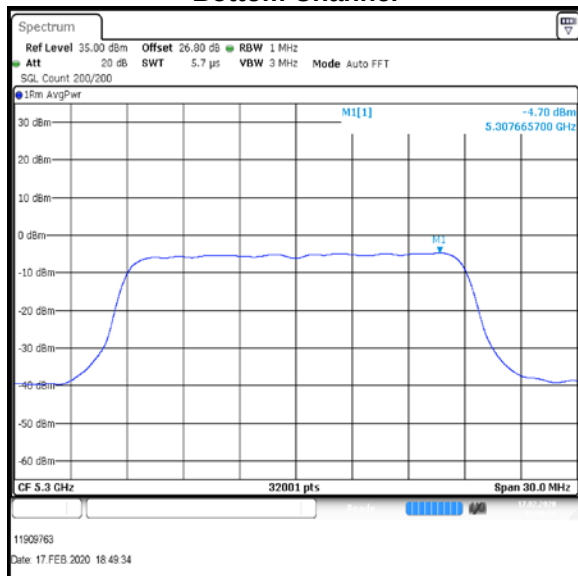
**Results: 802.11n / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 2**



Bottom Channel



Middle Channel

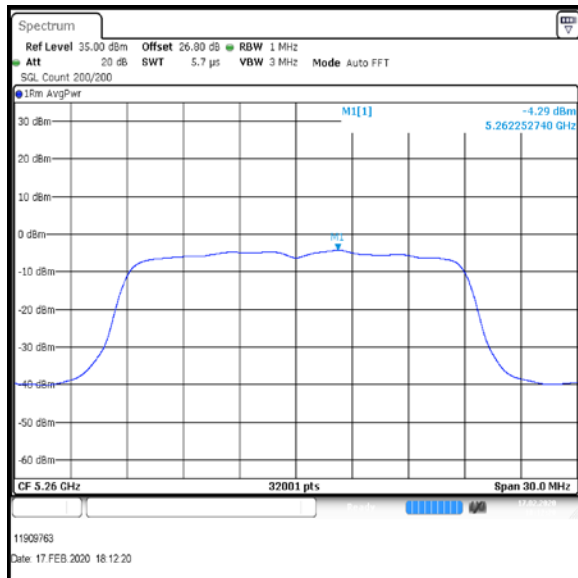


Top-1 Channel

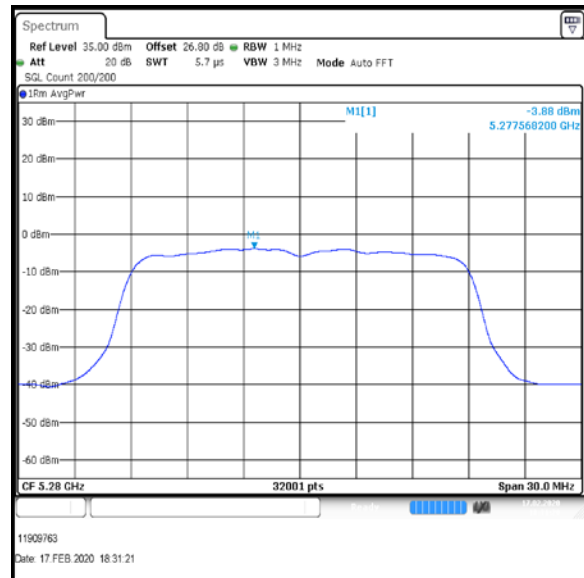
Result: **Pass**

## Transmitter Maximum Power Spectral Density (continued)

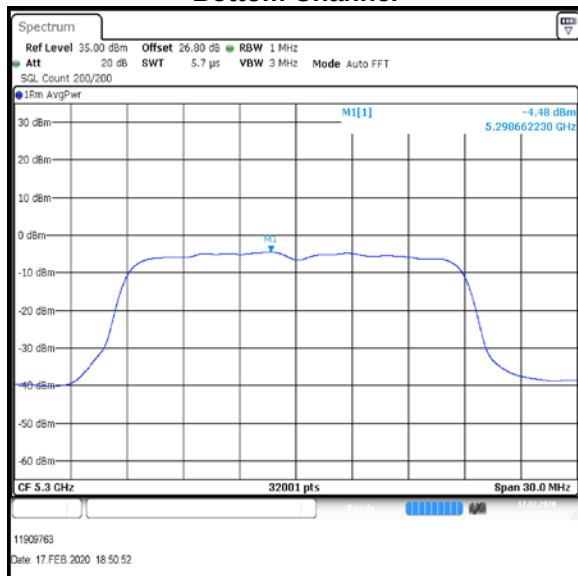
**Results: 802.11n / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 3**



Bottom Channel



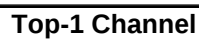
Middle Channel



Top-1 Channel

Result: **Pass**

**Results: 802.11n / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 4**



**Result: Pass**

# **Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11n / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna**

| Channel | Port 1 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 1 Corrected PSD (dBm/MHz) | Port 2 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 2 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Top     | -3.8                 | 0.5                        | -3.3                           | -4.1                 | 0.5                        | -3.6                           |

| Channel | Port 3 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 3 Corrected PSD (dBm/MHz) | Port 4 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 4 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Top     | -5.2                 | 0.5                        | -4.7                           | -5.6                 | 0.5                        | -5.1                           |

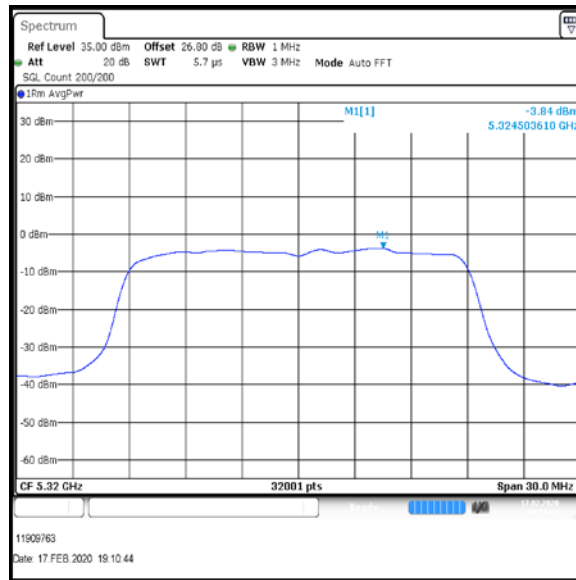
| Channel | Corrected PSD Port 1 (dBm/MHz) | Corrected PSD Port 2 (dBm/MHz) | Corrected PSD Port 3 (dBm/MHz) | Corrected PSD Port 4 (dBm/MHz) | Port 1+2+3+4 Combined PSD (dBm/MHz) |
|---------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| Top     | -3.3                           | -3.6                           | -4.7                           | -5.1                           | 1.8                                 |

| Channel | Combined Conducted PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|----------------------------------|-----------------|-------------|----------|
| Top     | 1.8                              | 2.9             | 1.1         | Complied |

**Result: Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11n / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 1**

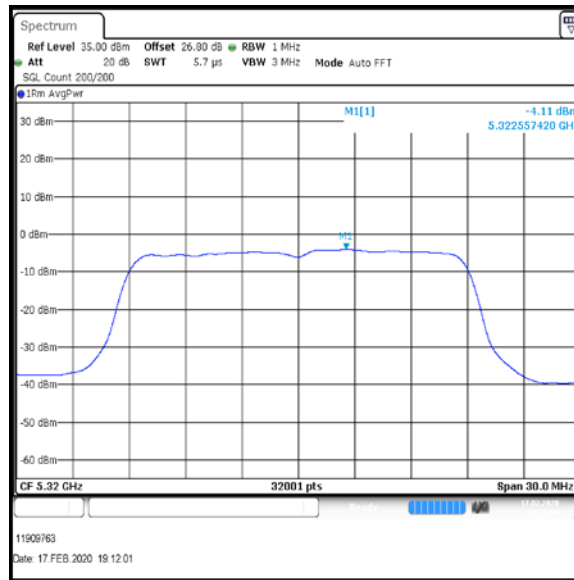


**Top Channel**

**Result: Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11n / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 2**

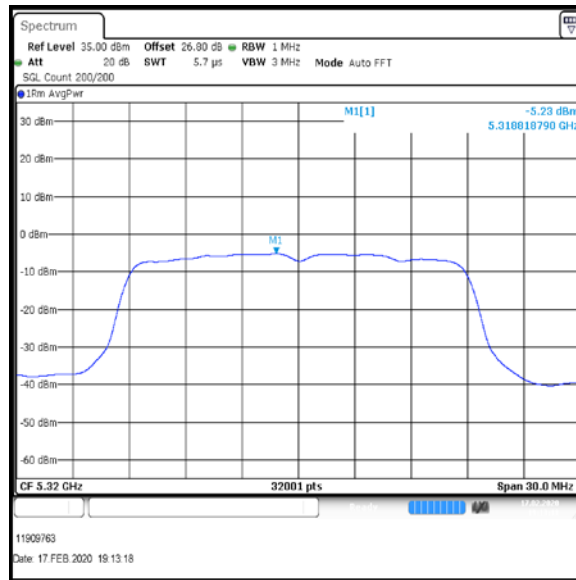


**Top Channel**

**Result: Pass**

**Transmitter Maximum Power Spectral Density (continued)**

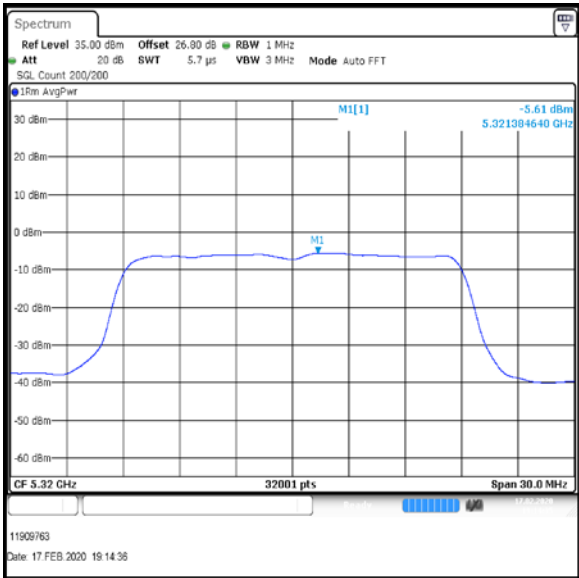
**Results: 802.11n / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 3**



**Top Channel**

**Result: Pass**

**Transmitter Maximum Power Spectral Density (continued)**  
**Results: 802.11n / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 4**



Top Channel

Result: **Pass**

# Transmitter Maximum Power Spectral Density (continued)

## Results: 802.11n / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna

| Channel | Port 1 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 1 Corrected PSD (dBm/MHz) | Port 2 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 2 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -4.6                 | 1.0                        | -3.6                           | -4.7                 | 1.0                        | -3.7                           |
| Middle  | -4.2                 | 1.0                        | -3.2                           | -3.7                 | 1.0                        | -2.7                           |
| Top-1   | -5.2                 | 1.0                        | -4.2                           | -4.5                 | 1.0                        | -3.5                           |

| Channel | Port 3 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 3 Corrected PSD (dBm/MHz) | Port 4 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 4 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -4.8                 | 1.0                        | -3.8                           | -5.9                 | 1.0                        | -4.9                           |
| Middle  | -4.1                 | 1.0                        | -3.1                           | -6.0                 | 1.0                        | -5.0                           |
| Top-1   | -4.3                 | 1.0                        | -3.3                           | -6.3                 | 1.0                        | -5.3                           |

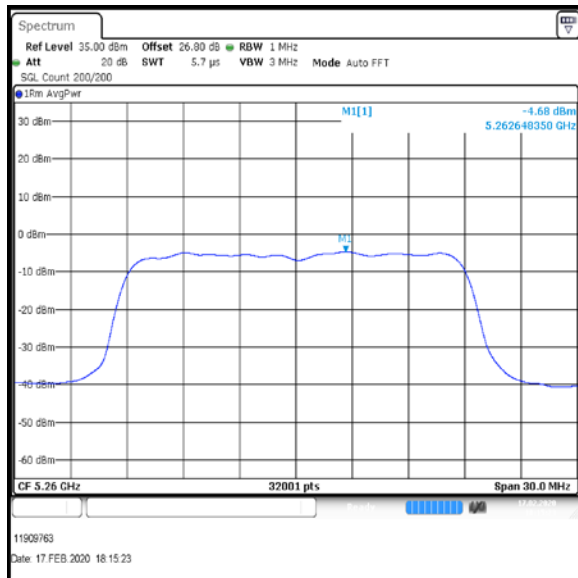
| Channel | Corrected PSD Port 1 (dBm/MHz) | Corrected PSD Port 2 (dBm/MHz) | Corrected PSD Port 3 (dBm/MHz) | Corrected PSD Port 4 (dBm/MHz) | Port 1+2+3+4 Combined PSD (dBm/MHz) |
|---------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| Bottom  | -3.6                           | -3.7                           | -3.8                           | -4.9                           | 1.6                                 |
| Middle  | -3.2                           | -2.7                           | -3.1                           | -5.0                           | 2.3                                 |
| Top-1   | -4.2                           | -3.5                           | -3.3                           | -5.3                           | 1.7                                 |

| Channel | Combined Conducted PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|----------------------------------|-----------------|-------------|----------|
| Bottom  | 1.6                              | 2.9             | 1.3         | Complied |
| Middle  | 2.3                              | 2.9             | 0.6         | Complied |
| Top-1   | 1.7                              | 2.9             | 1.2         | Complied |

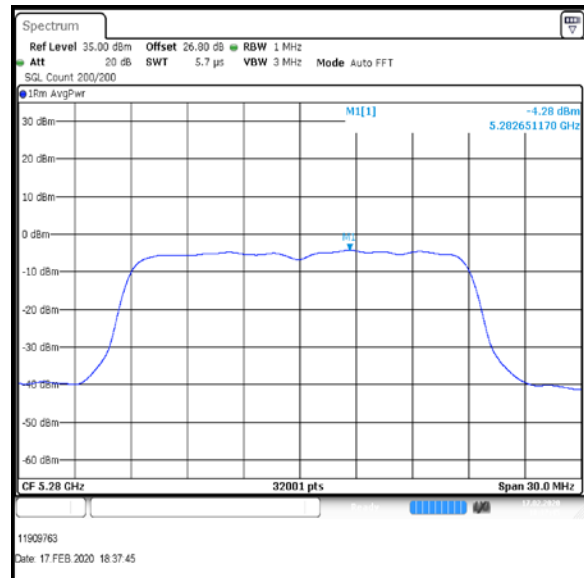
Result: **Pass**

## Transmitter Maximum Power Spectral Density (continued)

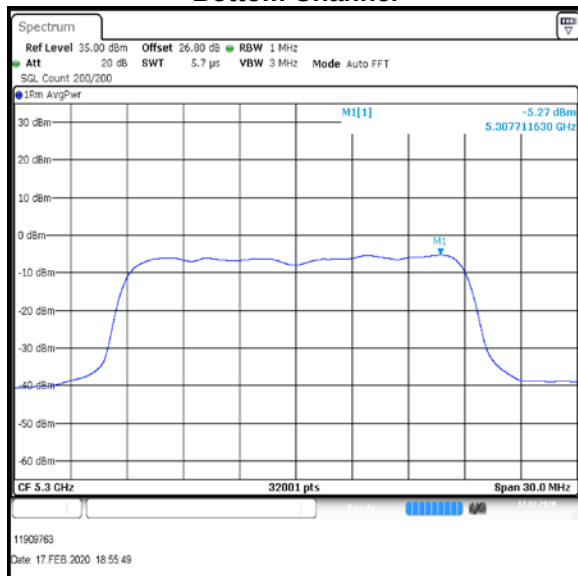
**Results: 802.11n / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 1**



**Bottom Channel**



**Middle Channel**

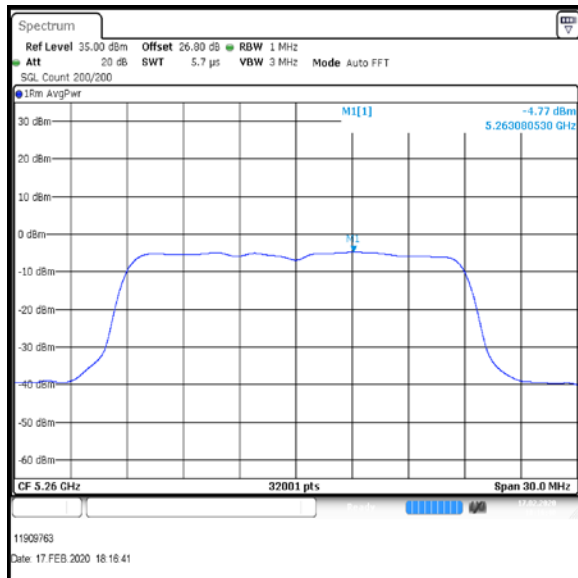


**Top-1 Channel**

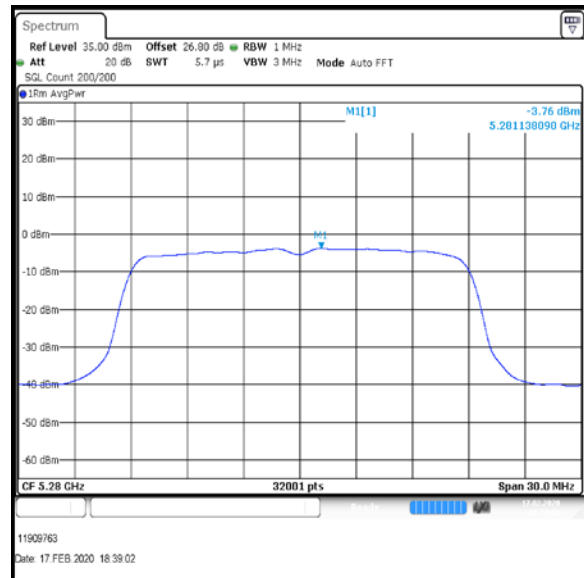
**Result: Pass**

## Transmitter Maximum Power Spectral Density (continued)

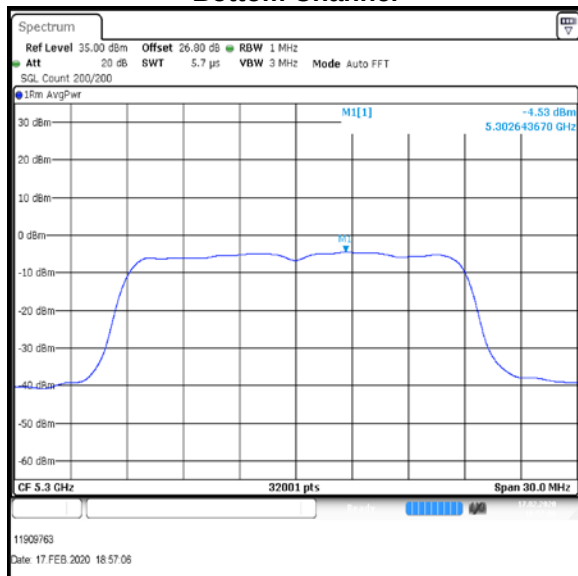
**Results: 802.11n / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 2**



Bottom Channel



Middle Channel

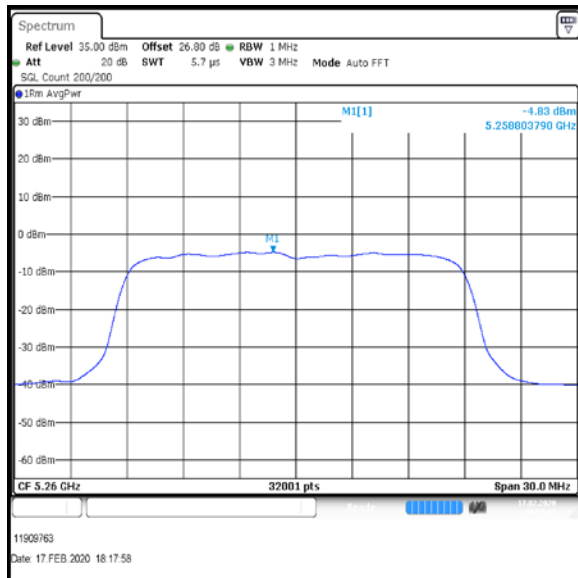


Top-1 Channel

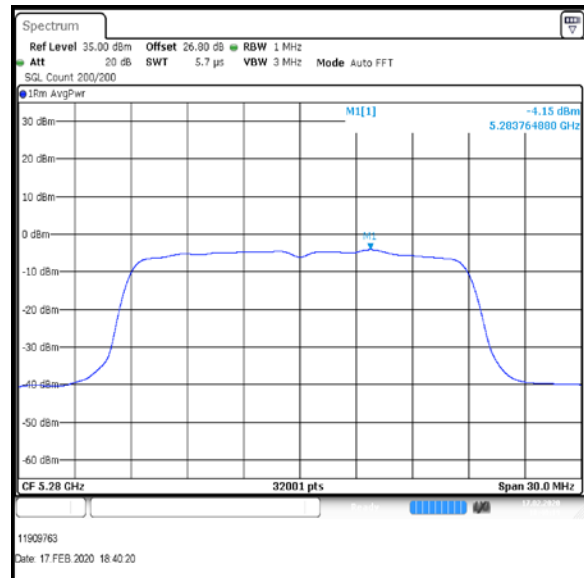
Result: **Pass**

## Transmitter Maximum Power Spectral Density (continued)

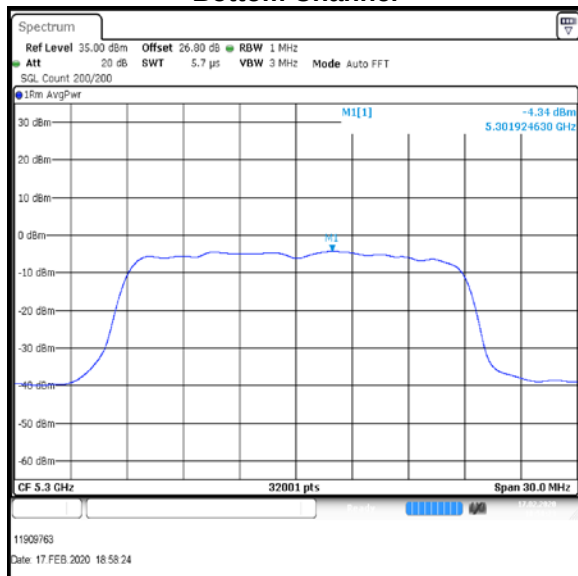
**Results: 802.11n / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 3**



Bottom Channel



Middle Channel

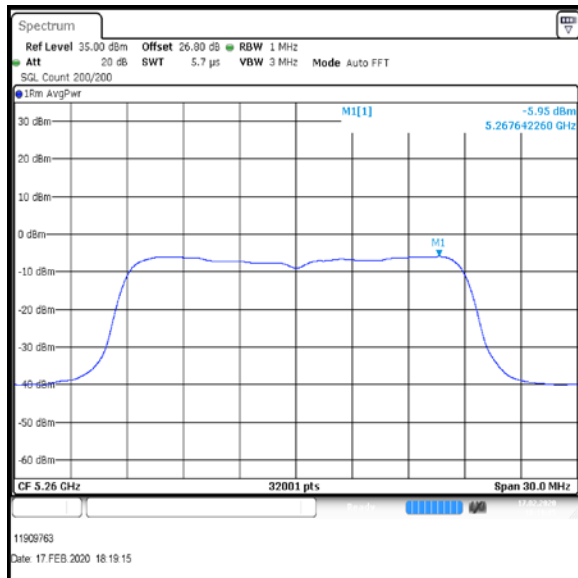


Top-1 Channel

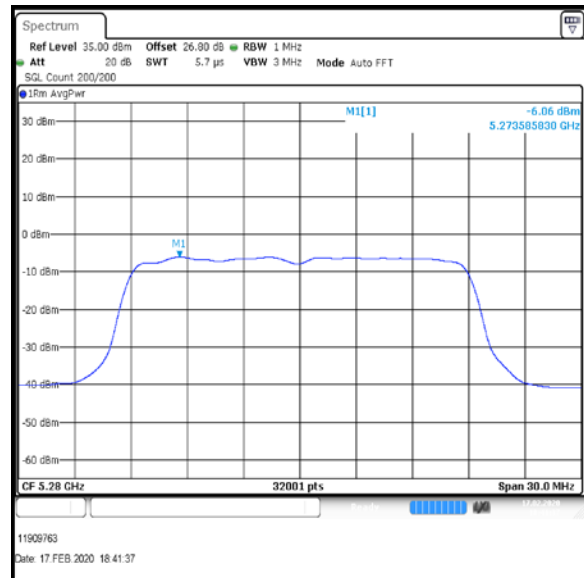
Result: **Pass**

## Transmitter Maximum Power Spectral Density (continued)

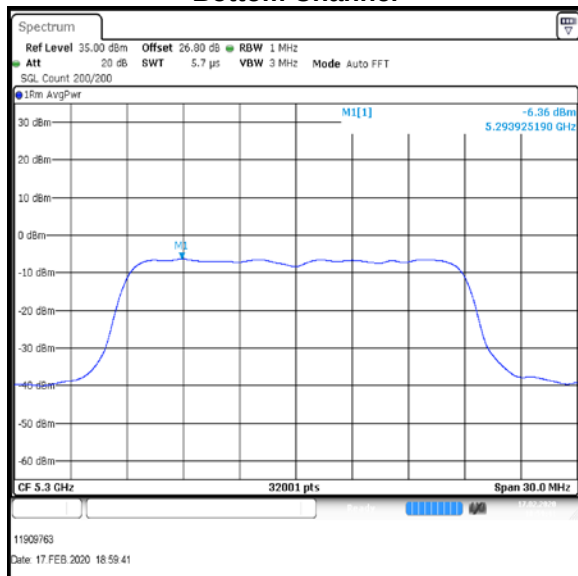
**Results: 802.11n / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 4**



Bottom Channel



Middle Channel



Top-1 Channel

Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11n / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna**

| Channel | Port 1 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 1 Corrected PSD (dBm/MHz) | Port 2 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 2 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Top     | -4.6                 | 1.0                        | -3.6                           | -4.0                 | 1.0                        | -3.0                           |

| Channel | Port 3 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 3 Corrected PSD (dBm/MHz) | Port 4 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 4 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Top     | -4.7                 | 1.0                        | -3.7                           | -6.2                 | 1.0                        | -5.2                           |

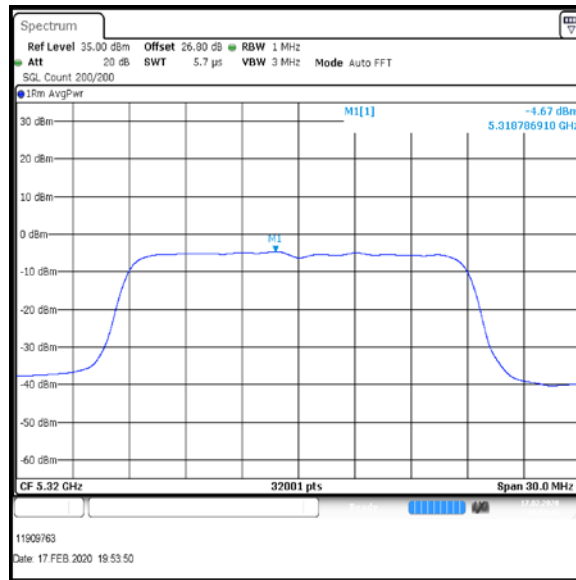
| Channel | Corrected PSD Port 1 (dBm/MHz) | Corrected PSD Port 2 (dBm/MHz) | Corrected PSD Port 3 (dBm/MHz) | Corrected PSD Port 4 (dBm/MHz) | Port 1+2+3+4 Combined PSD (dBm/MHz) |
|---------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| Top     | -3.6                           | -3.0                           | -3.7                           | -5.2                           | 1.8                                 |

| Channel | Combined Conducted PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|----------------------------------|-----------------|-------------|----------|
| Top     | 1.8                              | 2.9             | 1.1         | Complied |

Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**

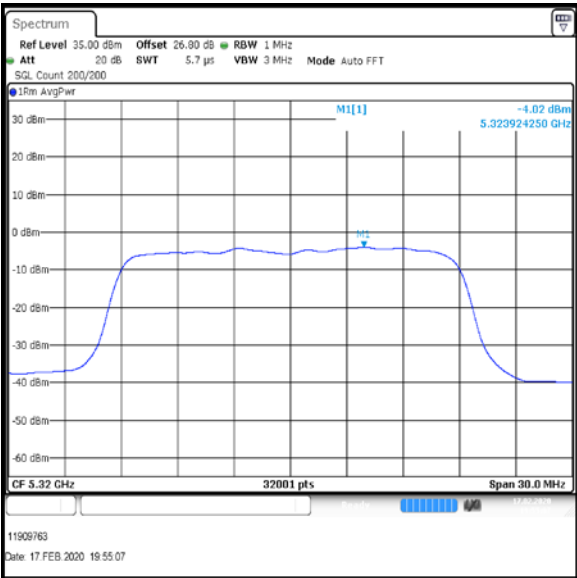
**Results: 802.11n / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 1**



**Top Channel**

**Result: Pass**

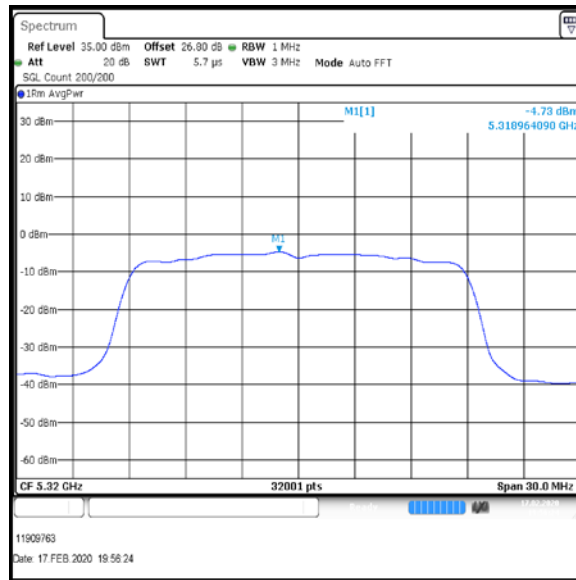
**Transmitter Maximum Power Spectral Density (continued)**  
**Results: 802.11n / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 2**



Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**

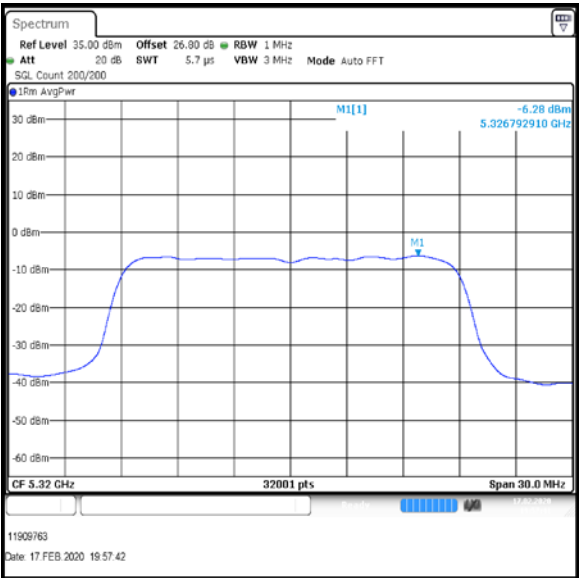
**Results: 802.11n / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 3**



**Top Channel**

**Result: Pass**

**Transmitter Maximum Power Spectral Density (continued)**  
**Results: 802.11n / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 4**



Top Channel

Result: **Pass**

# Transmitter Maximum Power Spectral Density (continued)

**Results: 802.11ac / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna**

| Channel | Port 1 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 1 Corrected PSD (dBm/MHz) | Port 2 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 2 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -3.6                 | 1.0                        | -2.6                           | -3.8                 | 1.0                        | -2.8                           |
| Middle  | -4.2                 | 1.0                        | -3.2                           | -4.3                 | 1.0                        | -3.3                           |
| Top-1   | -5.2                 | 1.0                        | -4.2                           | -4.7                 | 1.0                        | -3.7                           |

| Channel | Port 3 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 3 Corrected PSD (dBm/MHz) | Port 4 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 4 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -4.5                 | 1.0                        | -3.5                           | -5.4                 | 1.0                        | -4.4                           |
| Middle  | -4.8                 | 1.0                        | -3.8                           | -5.7                 | 1.0                        | -4.7                           |
| Top-1   | -5.0                 | 1.0                        | -4.0                           | -6.0                 | 1.0                        | -5.0                           |

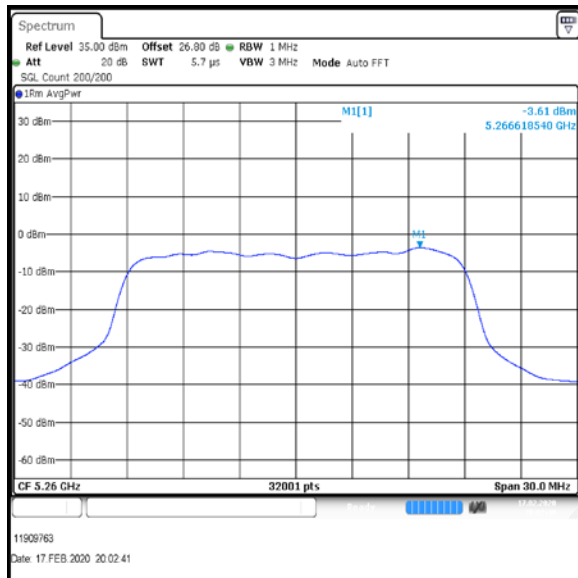
| Channel | Corrected PSD Port 1 (dBm/MHz) | Corrected PSD Port 2 (dBm/MHz) | Corrected PSD Port 3 (dBm/MHz) | Corrected PSD Port 4 (dBm/MHz) | Port 1+2+3+4 Combined PSD (dBm/MHz) |
|---------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| Bottom  | -2.6                           | -2.8                           | -3.5                           | -4.4                           | 2.3                                 |
| Middle  | -3.2                           | -3.3                           | -3.8                           | -4.7                           | 2.0                                 |
| Top-1   | -4.2                           | -3.7                           | -4.0                           | -5.0                           | 1.1                                 |

| Channel | Combined Conducted PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|----------------------------------|-----------------|-------------|----------|
| Bottom  | 2.3                              | 2.9             | 0.6         | Complied |
| Middle  | 2.0                              | 2.9             | 0.9         | Complied |
| Top-1   | 1.1                              | 2.9             | 1.8         | Complied |

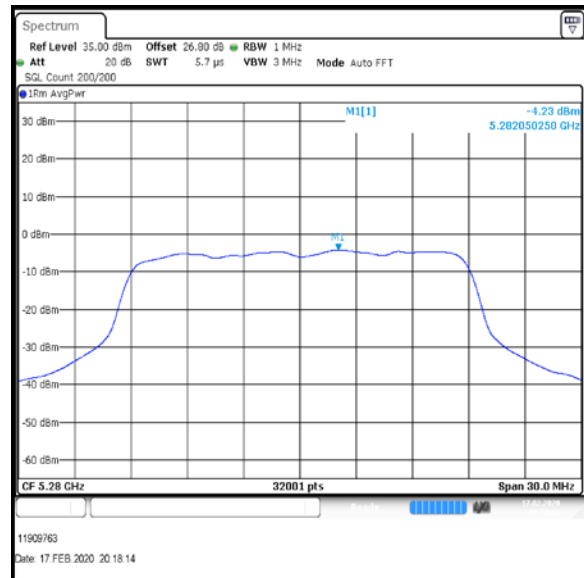
**Result: Pass**

## Transmitter Maximum Power Spectral Density (continued)

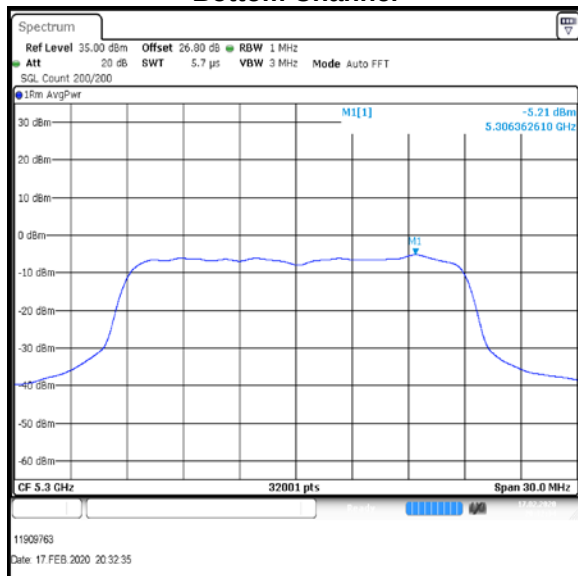
**Results: 802.11ac / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 1**



Bottom Channel



Middle Channel

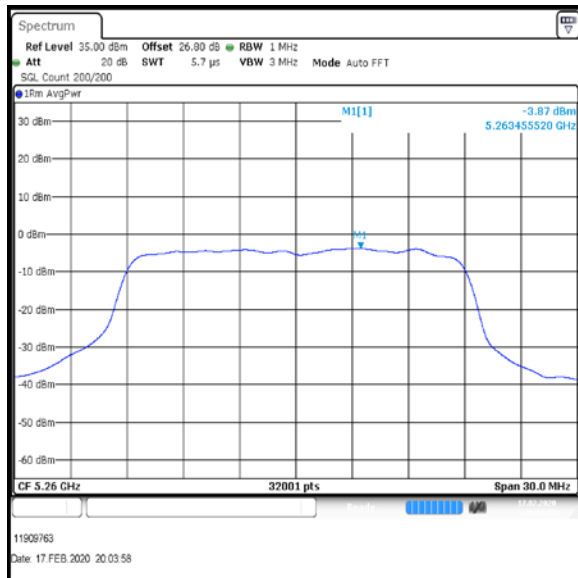


Top-1 Channel

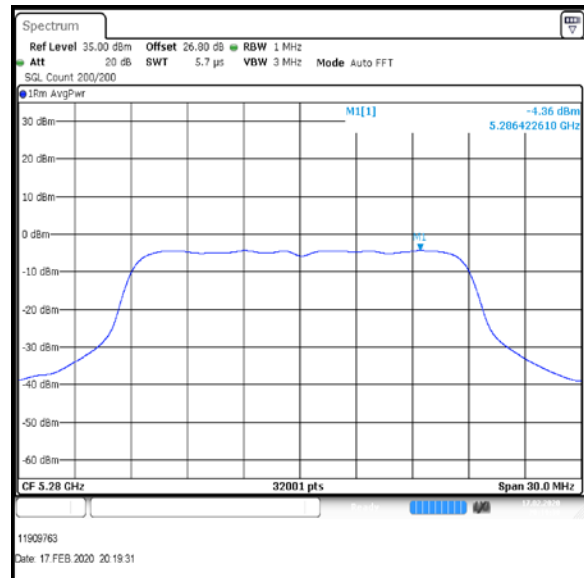
Result: **Pass**

## Transmitter Maximum Power Spectral Density (continued)

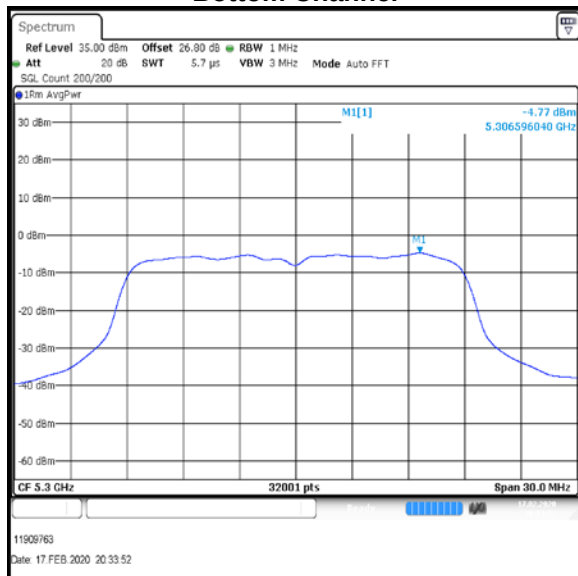
**Results: 802.11ac / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 2**



Bottom Channel



Middle Channel

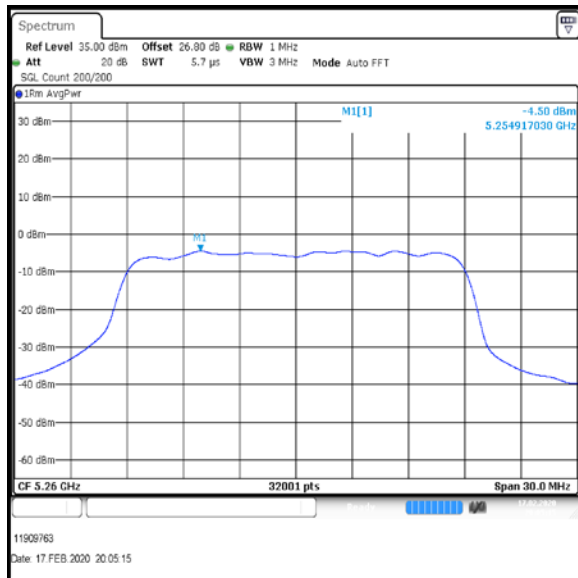


Top-1 Channel

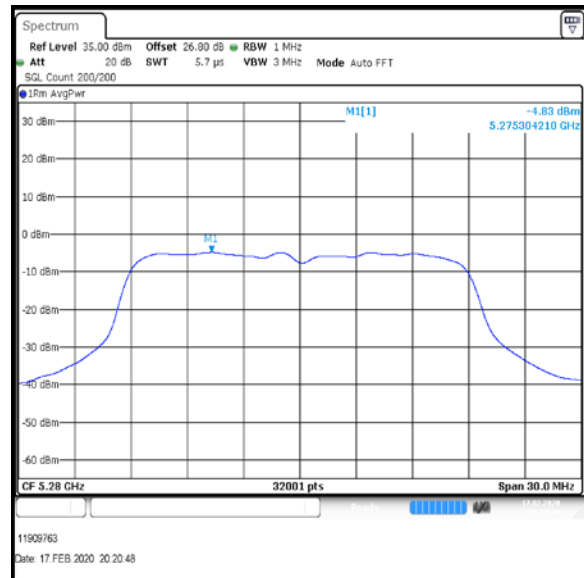
Result: **Pass**

## Transmitter Maximum Power Spectral Density (continued)

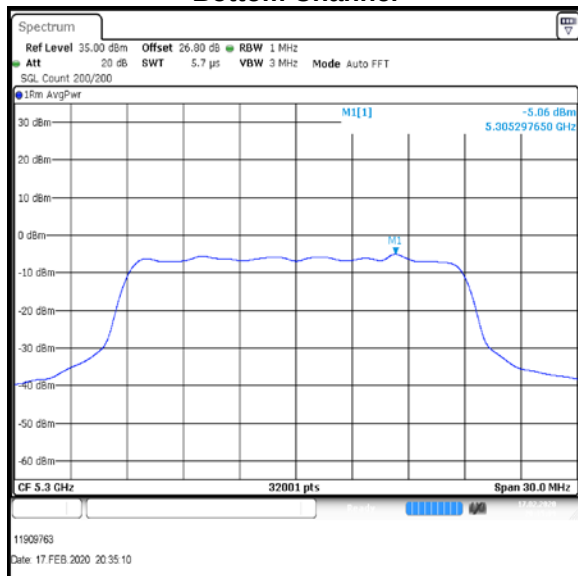
**Results: 802.11ac / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 3**



**Bottom Channel**



**Middle Channel**

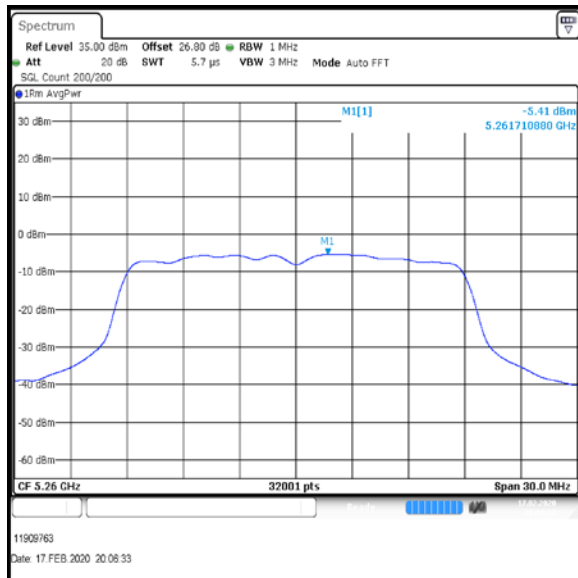


**Top-1 Channel**

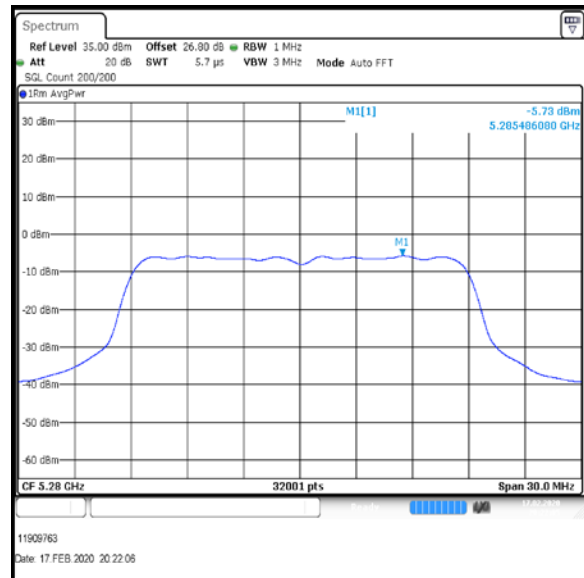
**Result: Pass**

## Transmitter Maximum Power Spectral Density (continued)

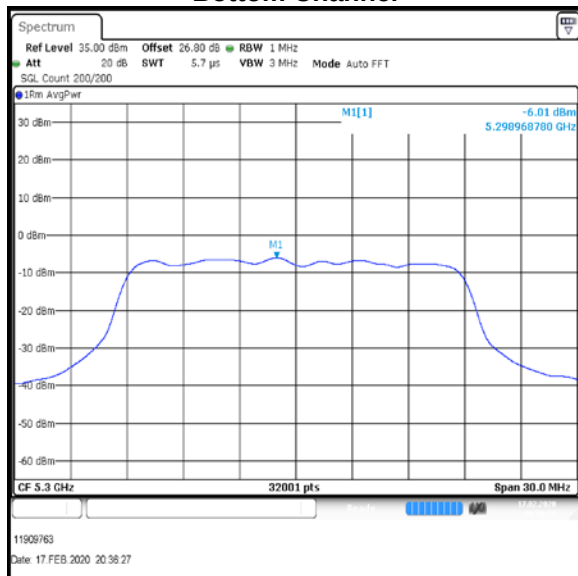
**Results: 802.11ac / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 4**



**Bottom Channel**



**Middle Channel**



**Top-1 Channel**

**Result: Pass**

# Transmitter Maximum Power Spectral Density (continued)

**Results: 802.11ac / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna**

| Channel | Port 1 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 1 Corrected PSD (dBm/MHz) | Port 2 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 2 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Top     | -3.3                 | 1.0                        | -2.3                           | -4.0                 | 1.0                        | -3.0                           |

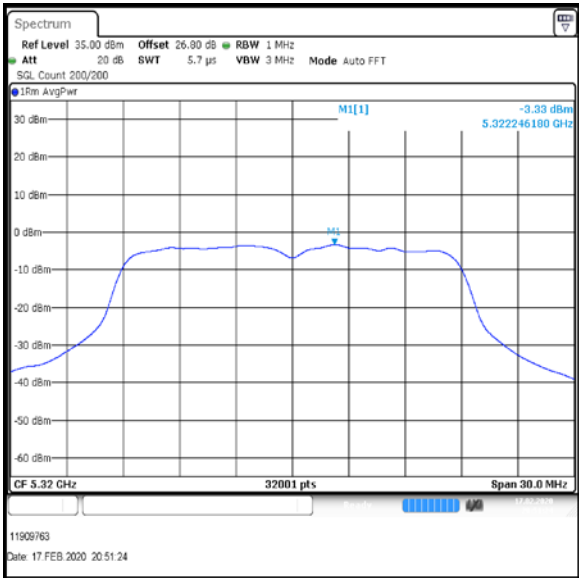
| Channel | Port 3 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 3 Corrected PSD (dBm/MHz) | Port 4 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 4 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Top     | -5.7                 | 1.0                        | -4.7                           | -5.9                 | 1.0                        | -4.9                           |

| Channel | Corrected PSD Port 1 (dBm/MHz) | Corrected PSD Port 2 (dBm/MHz) | Corrected PSD Port 3 (dBm/MHz) | Corrected PSD Port 4 (dBm/MHz) | Port 1+2+3+4 Combined PSD (dBm/MHz) |
|---------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| Top     | -2.3                           | -3.0                           | -4.7                           | -4.9                           | 2.3                                 |

| Channel | Combined Conducted PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|----------------------------------|-----------------|-------------|----------|
| Top     | 2.3                              | 2.9             | 0.6         | Complied |

Result: **Pass**

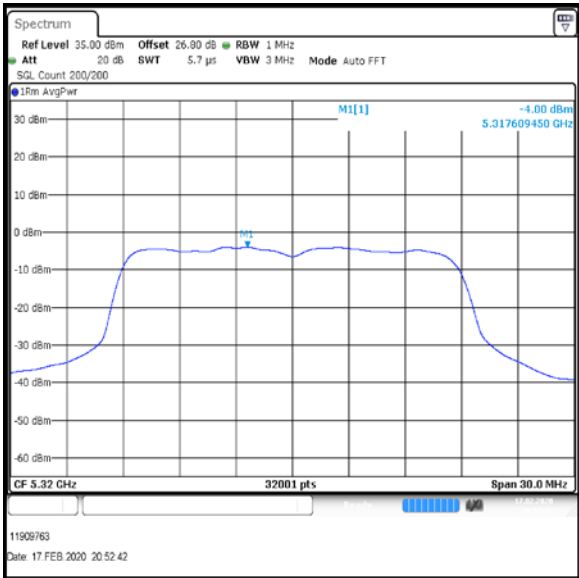
**Transmitter Maximum Power Spectral Density (continued)**  
**Results: 802.11ac / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 1**



Top Channel

Result: Pass

**Transmitter Maximum Power Spectral Density (continued)**  
**Results: 802.11ac / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 2**

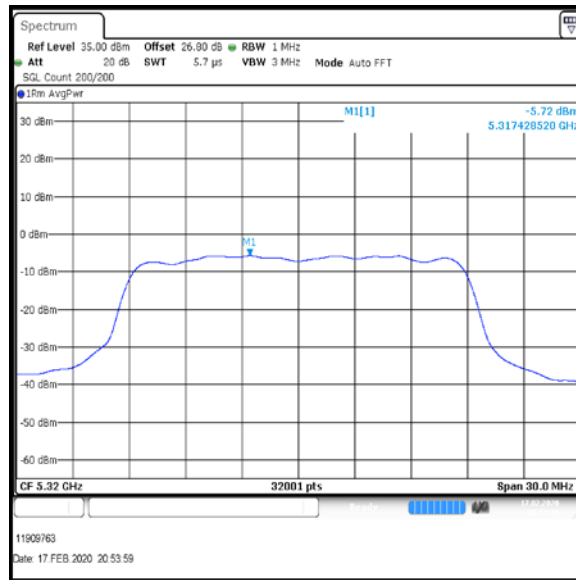


Top Channel

Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11ac / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 3**

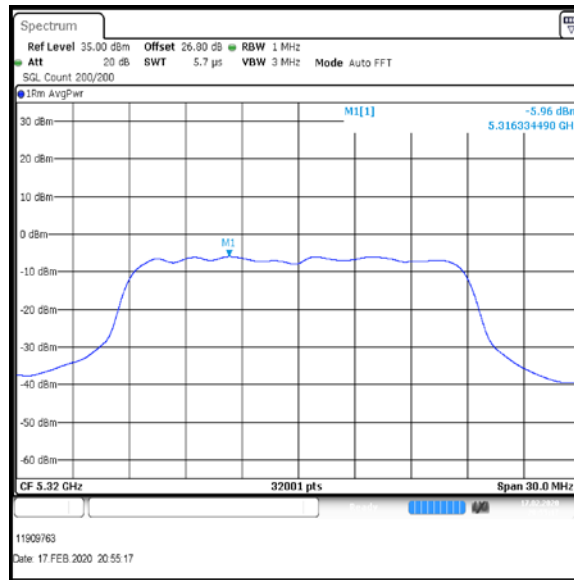


**Top Channel**

**Result: Pass**

## Transmitter Maximum Power Spectral Density (continued)

**Results: 802.11ac / HT20 / MCS1 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 4**



Top Channel

Result: **Pass**

# Transmitter Maximum Power Spectral Density (continued)

**Results: 802.11ac / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna**

| Channel | Port 1 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 1 Corrected PSD (dBm/MHz) | Port 2 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 2 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -7.0                 | 2.3                        | -4.7                           | -6.8                 | 2.3                        | -4.5                           |
| Middle  | -5.7                 | 2.3                        | -3.4                           | -5.0                 | 2.3                        | -2.7                           |
| Top-1   | -6.2                 | 2.3                        | -3.9                           | -5.2                 | 2.3                        | -2.9                           |

| Channel | Port 3 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 3 Corrected PSD (dBm/MHz) | Port 4 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 4 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -7.4                 | 2.3                        | -5.1                           | -8.1                 | 2.3                        | -5.8                           |
| Middle  | -5.1                 | 2.3                        | -2.8                           | -5.8                 | 2.3                        | -3.5                           |
| Top-1   | -6.0                 | 2.3                        | -3.7                           | -7.2                 | 2.3                        | -4.9                           |

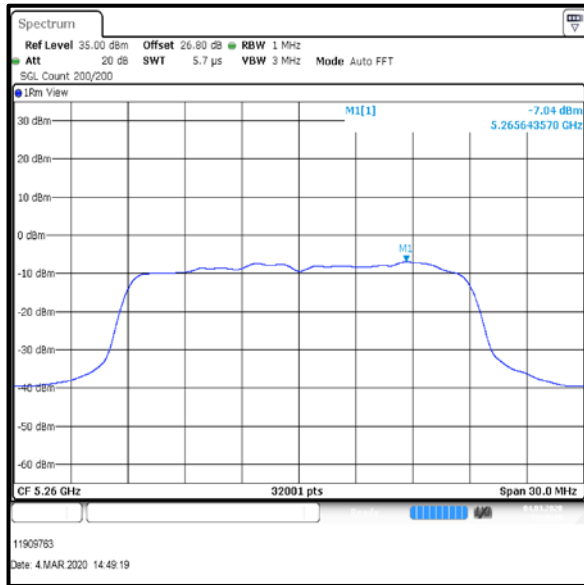
| Channel | Corrected PSD Port 1 (dBm/MHz) | Corrected PSD Port 2 (dBm/MHz) | Corrected PSD Port 3 (dBm/MHz) | Corrected PSD Port 4 (dBm/MHz) | Port 1+2+3+4 Combined PSD (dBm/MHz) |
|---------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| Bottom  | -4.7                           | -4.5                           | -5.1                           | -5.8                           | 0.1                                 |
| Middle  | -3.4                           | -2.7                           | -2.8                           | -3.5                           | 2.4                                 |
| Top-1   | -3.9                           | -2.9                           | -3.7                           | -4.9                           | 1.6                                 |

| Channel | Combined Conducted PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|----------------------------------|-----------------|-------------|----------|
| Bottom  | 0.1                              | 2.9             | 2.8         | Complied |
| Middle  | 2.4                              | 2.9             | 0.5         | Complied |
| Top-1   | 1.6                              | 2.9             | 1.3         | Complied |

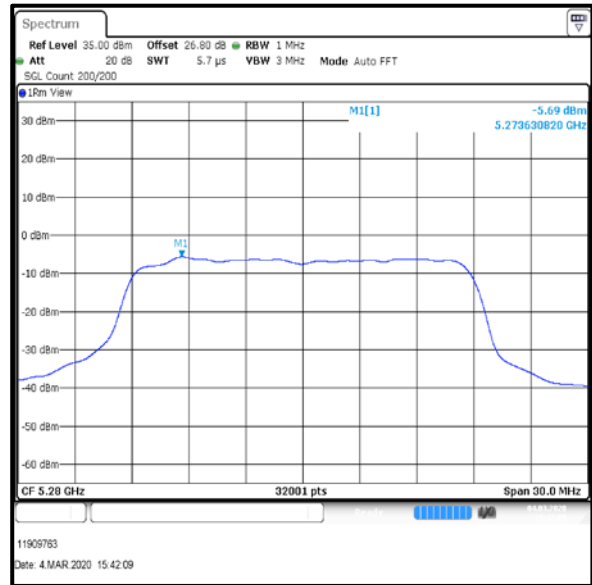
**Result: Pass within Measurement Uncertainty**

## Transmitter Maximum Power Spectral Density (continued)

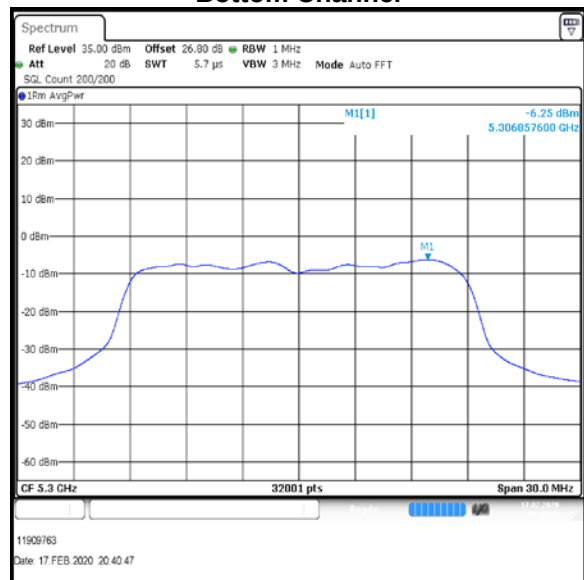
**Results: 802.11ac / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 1**



Bottom Channel



Middle Channel

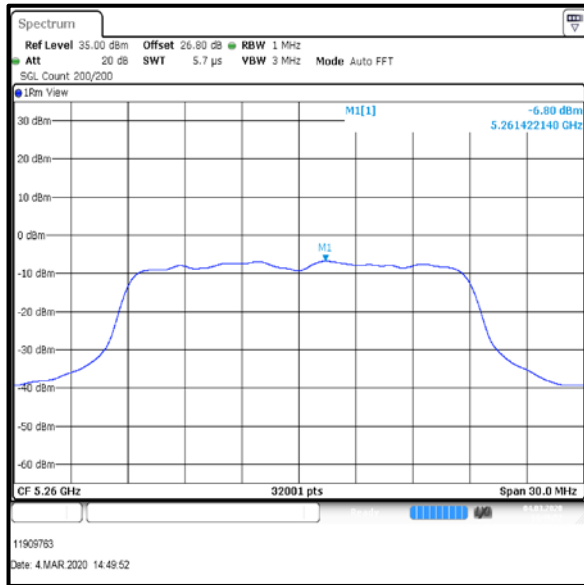


Top-1 Channel

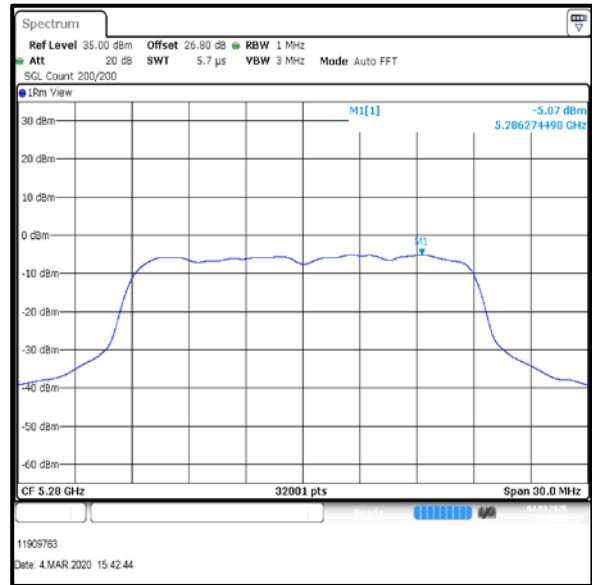
Result: **Pass**

## Transmitter Maximum Power Spectral Density (continued)

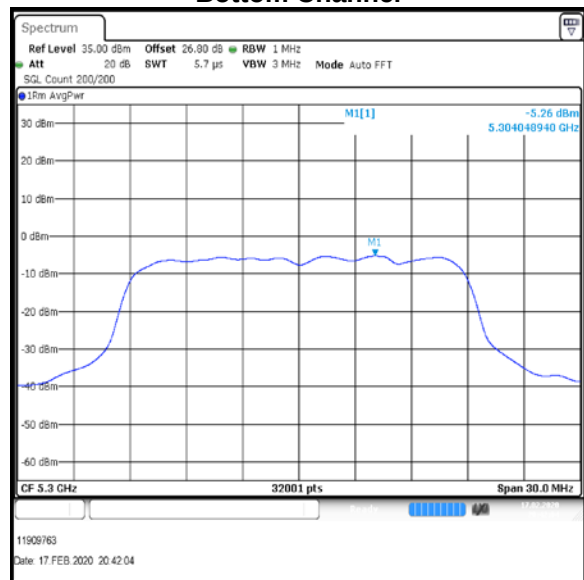
**Results: 802.11ac / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 2**



Bottom Channel



Middle Channel

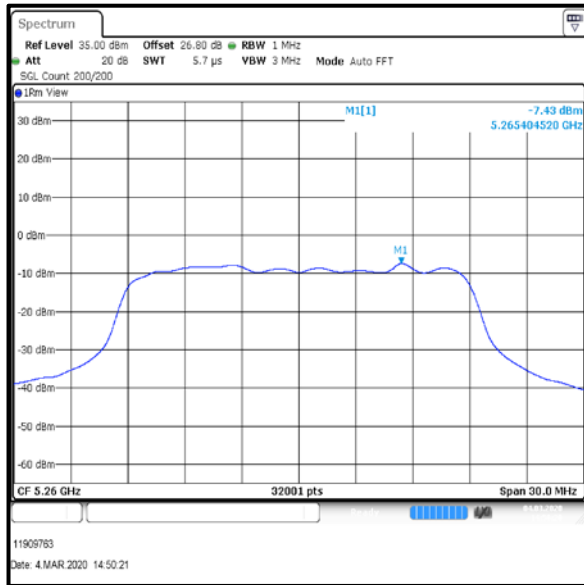


Top-1 Channel

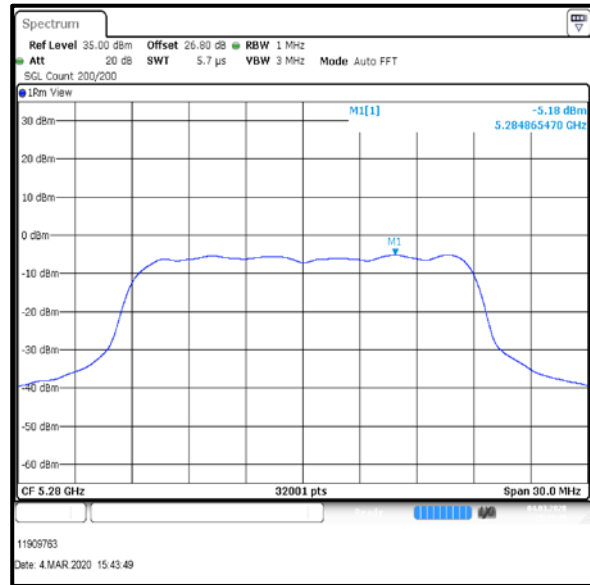
Result: **Pass**

## Transmitter Maximum Power Spectral Density (continued)

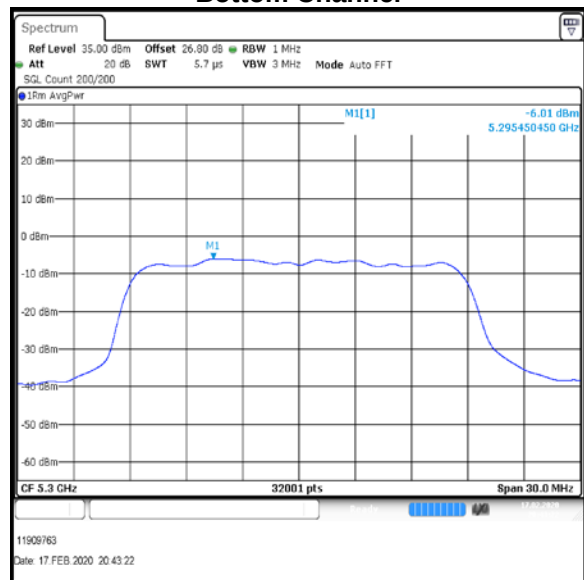
**Results: 802.11ac / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 3**



**Bottom Channel**



**Middle Channel**

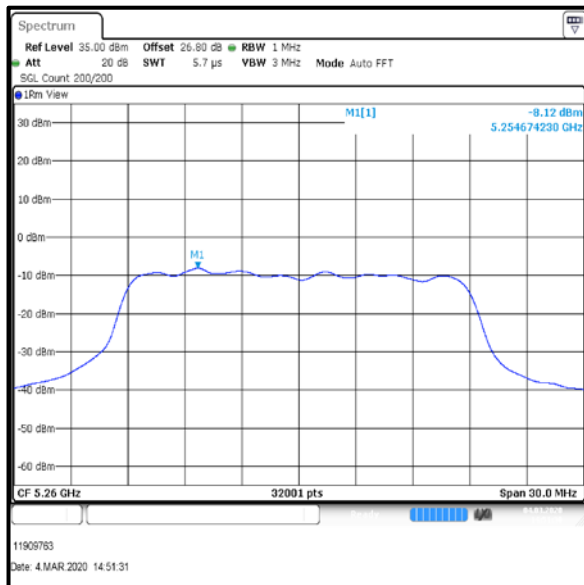


**Top-1 Channel**

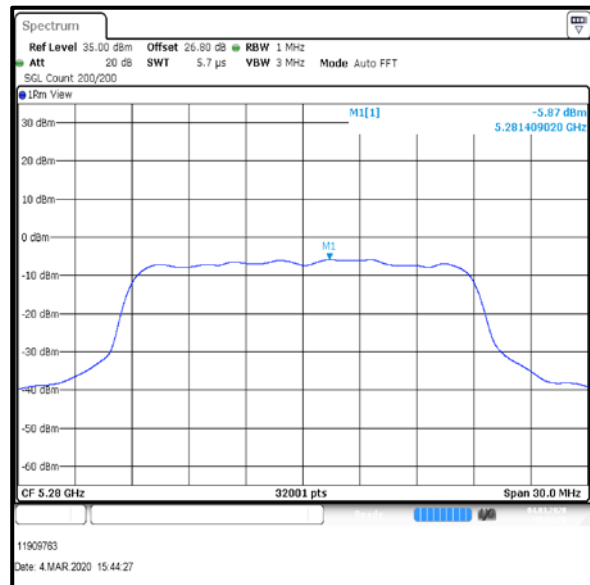
**Result: Pass**

## Transmitter Maximum Power Spectral Density (continued)

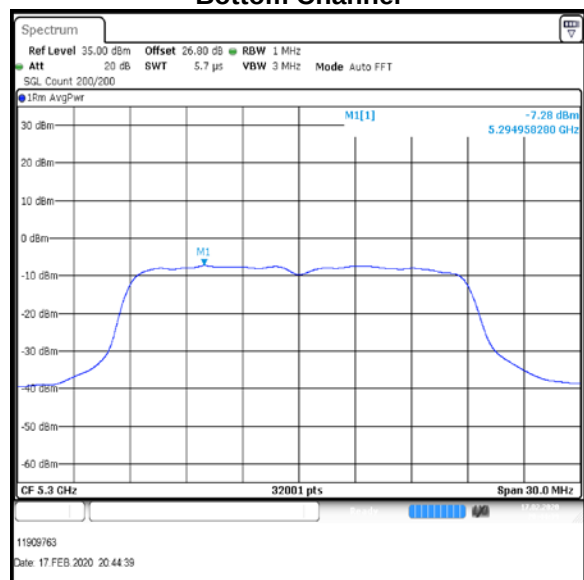
**Results: 802.11ac / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 16 / 8 dBi Antenna / Port 4**



**Bottom Channel**



**Middle Channel**



**Top-1 Channel**

**Result: Pass**

# **Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11ac / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna**

| Channel | Port 1 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 1 Corrected PSD (dBm/MHz) | Port 2 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 2 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Top     | -5.2                 | 2.3                        | -2.9                           | -4.9                 | 2.3                        | -2.6                           |

| Channel | Port 3 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 3 Corrected PSD (dBm/MHz) | Port 4 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 4 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Top     | -6.5                 | 2.3                        | -4.1                           | -6.2                 | 2.3                        | -3.9                           |

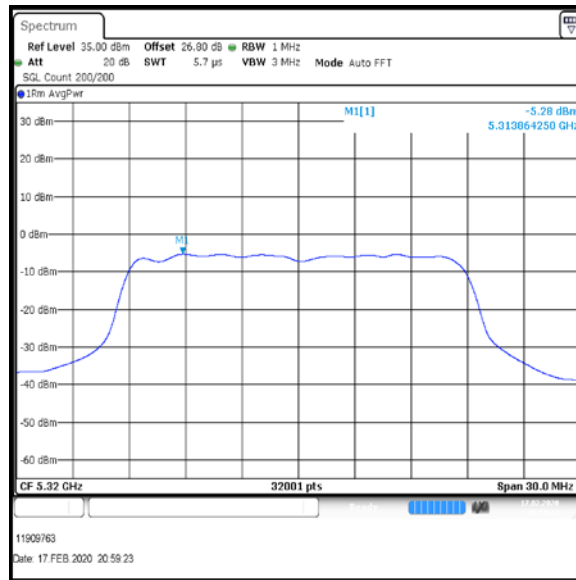
| Channel | Corrected PSD Port 1 (dBm/MHz) | Corrected PSD Port 2 (dBm/MHz) | Corrected PSD Port 3 (dBm/MHz) | Corrected PSD Port 4 (dBm/MHz) | Port 1+2+3+4 Combined PSD (dBm/MHz) |
|---------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| Top     | -2.9                           | -2.6                           | -4.1                           | -3.9                           | 2.2                                 |

| Channel | Combined Conducted PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|----------------------------------|-----------------|-------------|----------|
| Top     | 2.2                              | 2.9             | 0.7         | Complied |

**Result: Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11ac / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 1**

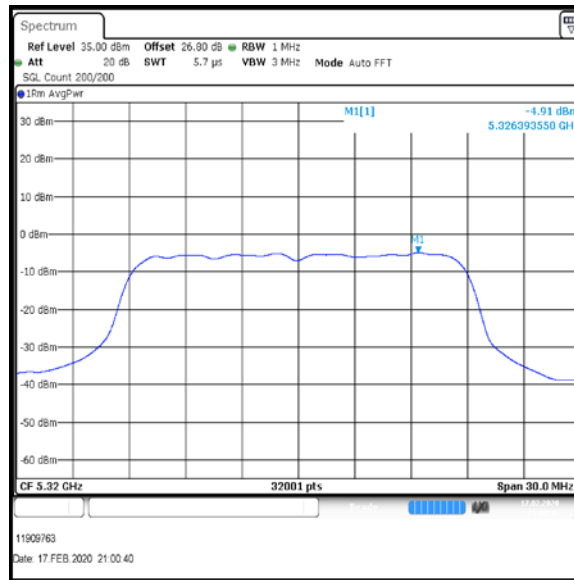


**Top Channel**

**Result: Pass**

## Transmitter Maximum Power Spectral Density (continued)

**Results: 802.11ac / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 2**

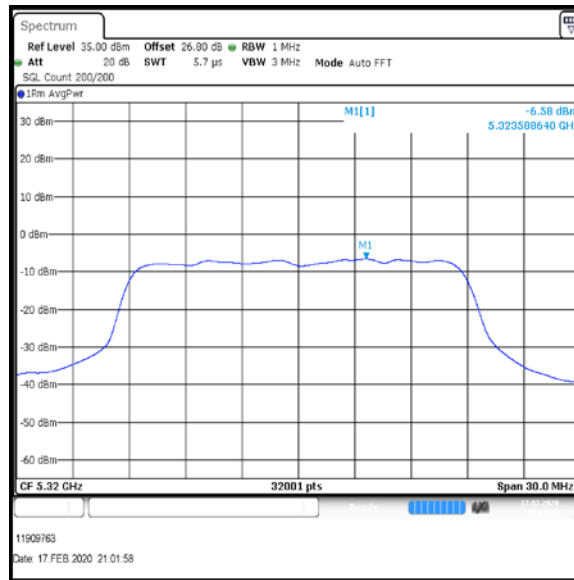


Top Channel

Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11ac / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 3**

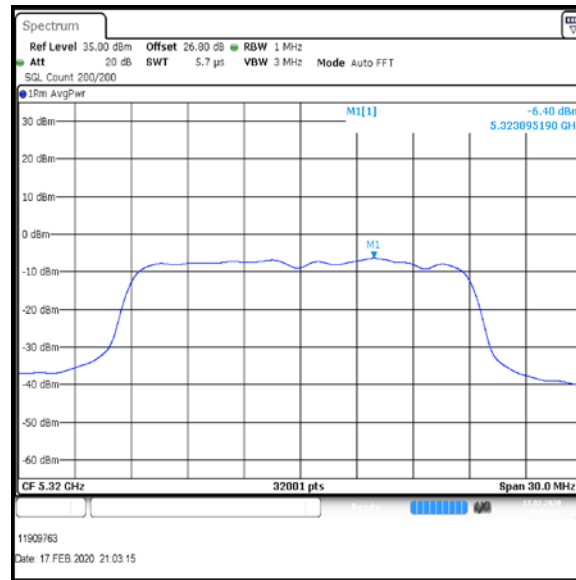


**Top Channel**

**Result: Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11ac / HT20 / MCS2 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 4**



**Top Channel**

**Result: Pass**

# Transmitter Maximum Power Spectral Density (continued)

**Results: 802.11n / HT40 / MCS3 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna**

| Channel | Port 1 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 1 Corrected PSD (dBm/MHz) | Port 2 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 2 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -9.6                 | 2.3                        | -7.3                           | -9.1                 | 2.3                        | -6.8                           |
| Top     | -10.1                | 2.3                        | -7.8                           | -9.5                 | 2.3                        | -7.2                           |

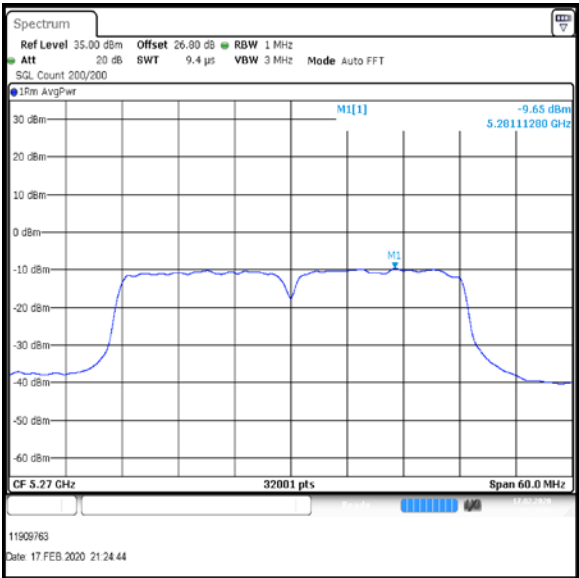
| Channel | Port 3 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 3 Corrected PSD (dBm/MHz) | Port 4 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 4 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -8.7                 | 2.3                        | -6.4                           | -9.7                 | 2.3                        | -7.4                           |
| Top     | -10.5                | 2.3                        | -8.2                           | -12.7                | 2.3                        | -10.4                          |

| Channel | Corrected PSD Port 1 (dBm/MHz) | Corrected PSD Port 2 (dBm/MHz) | Corrected PSD Port 3 (dBm/MHz) | Corrected PSD Port 4 (dBm/MHz) | Port 1+2+3+4 Combined PSD (dBm/MHz) |
|---------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| Bottom  | -7.3                           | -6.8                           | -6.4                           | -7.4                           | -1.5                                |
| Top     | -7.8                           | -7.2                           | -8.2                           | -10.4                          | -2.3                                |

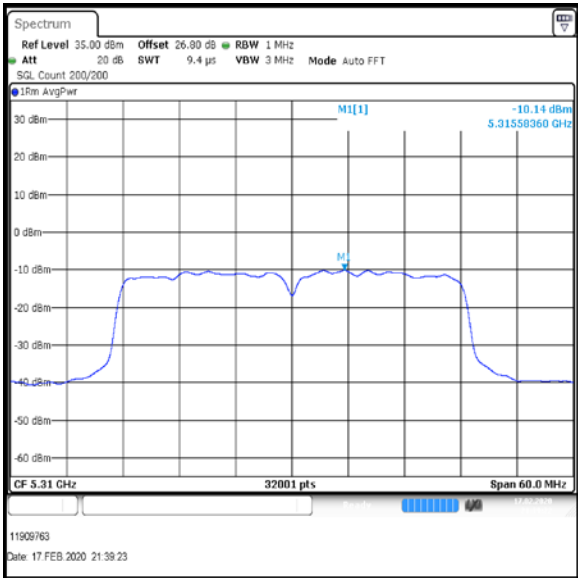
| Channel | Combined Conducted PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|----------------------------------|-----------------|-------------|----------|
| Bottom  | -1.5                             | 2.9             | 4.4         | Complied |
| Top     | -2.3                             | 2.9             | 5.2         | Complied |

Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**  
**Results: 802.11n / HT40 / MCS3 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 1**



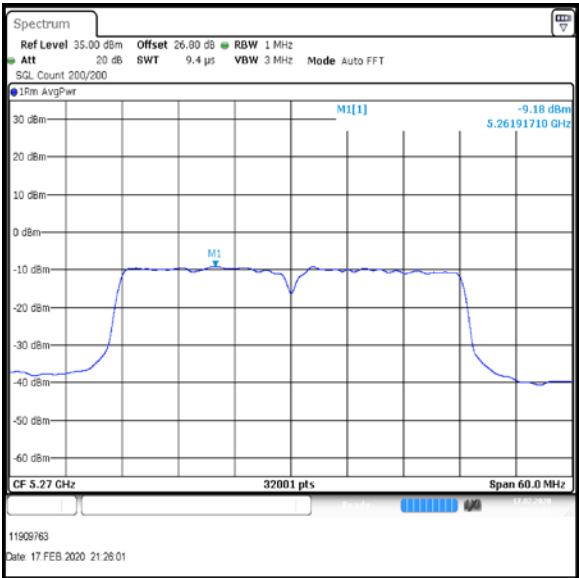
Bottom Channel



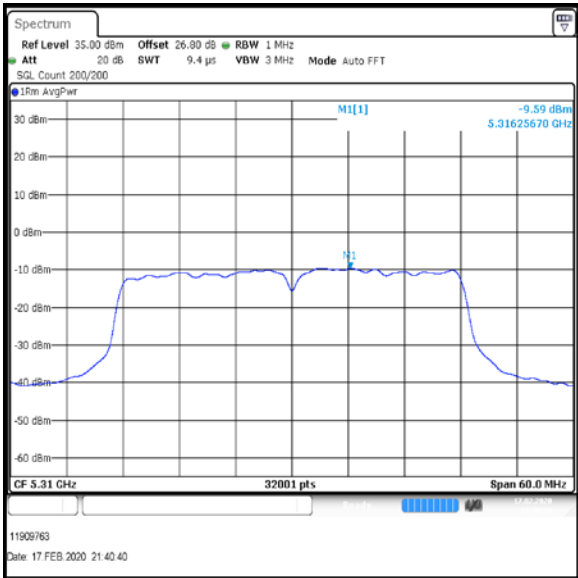
Top Channel

Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**  
**Results: 802.11n / HT40 / MCS3 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 2**



Bottom Channel

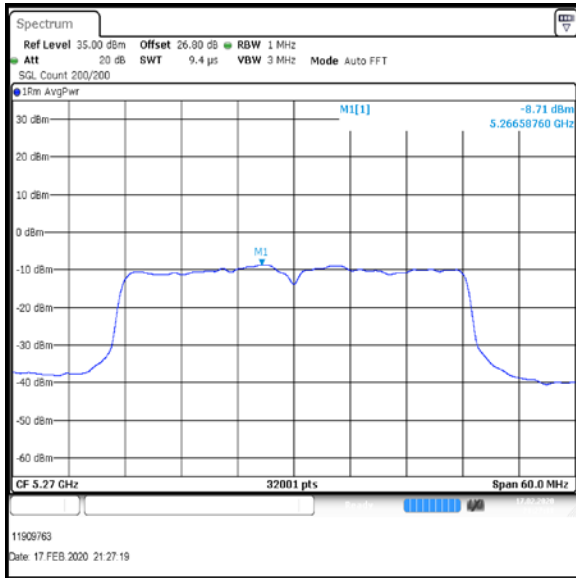


Top Channel

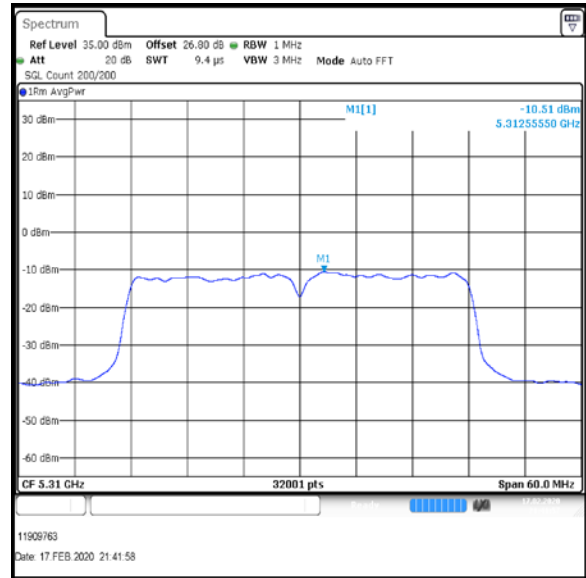
Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11n / HT40 / MCS3 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 3**



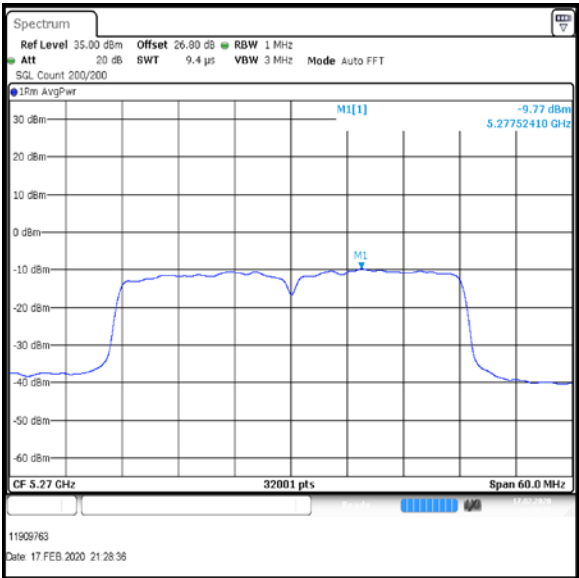
**Bottom Channel**



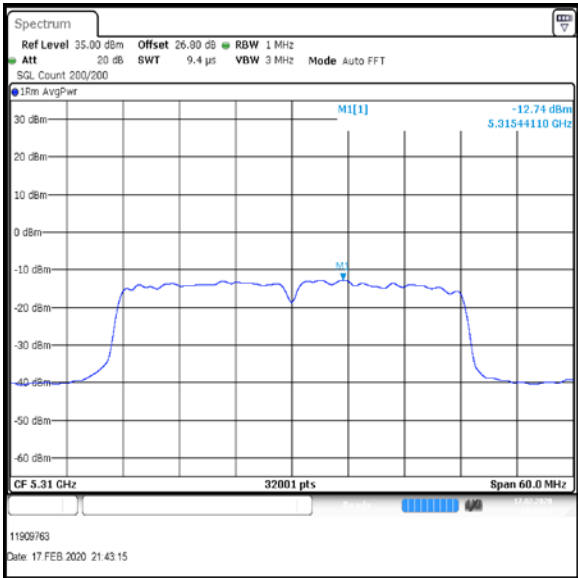
**Top Channel**

**Result: Pass**

**Transmitter Maximum Power Spectral Density (continued)**  
**Results: 802.11n / HT40 / MCS3 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 4**



Bottom Channel



Top Channel

Result: **Pass**

# Transmitter Maximum Power Spectral Density (continued)

## Results: 802.11n / HT40 / MCS7 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna

| Channel | Port 1 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 1 Corrected PSD (dBm/MHz) | Port 2 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 2 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -11.2                | 3.2                        | -8.0                           | -10.1                | 3.2                        | -6.9                           |
| Top     | -13.4                | 3.2                        | -10.2                          | -12.6                | 3.2                        | -9.4                           |

| Channel | Port 3 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 3 Corrected PSD (dBm/MHz) | Port 4 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 4 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -10.3                | 3.2                        | -7.1                           | -11.1                | 3.2                        | -7.9                           |
| Top     | -13.1                | 3.2                        | -9.9                           | -14.7                | 3.2                        | -11.5                          |

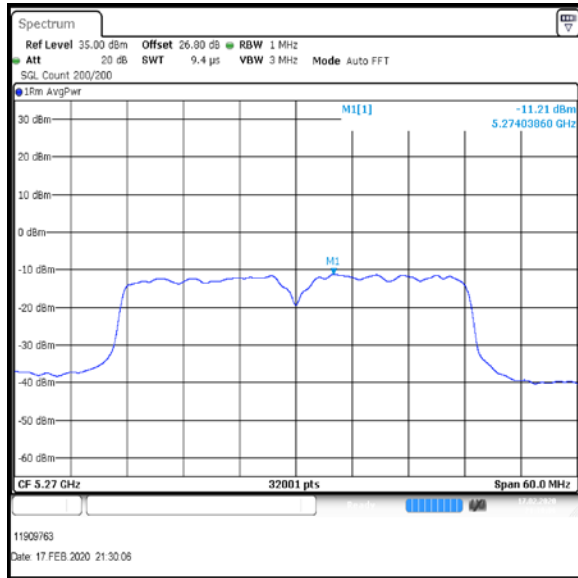
| Channel | Corrected PSD Port 1 (dBm/MHz) | Corrected PSD Port 2 (dBm/MHz) | Corrected PSD Port 3 (dBm/MHz) | Corrected PSD Port 4 (dBm/MHz) | Port 1+2+3+4 Combined PSD (dBm/MHz) |
|---------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| Bottom  | -8.0                           | -6.9                           | -7.1                           | -7.9                           | -1.8                                |
| Top     | -10.2                          | -9.4                           | -9.9                           | -11.5                          | -4.9                                |

| Channel | Combined Conducted PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|----------------------------------|-----------------|-------------|----------|
| Bottom  | -1.8                             | 2.9             | 4.7         | Complied |
| Top     | -4.9                             | 2.9             | 7.8         | Complied |

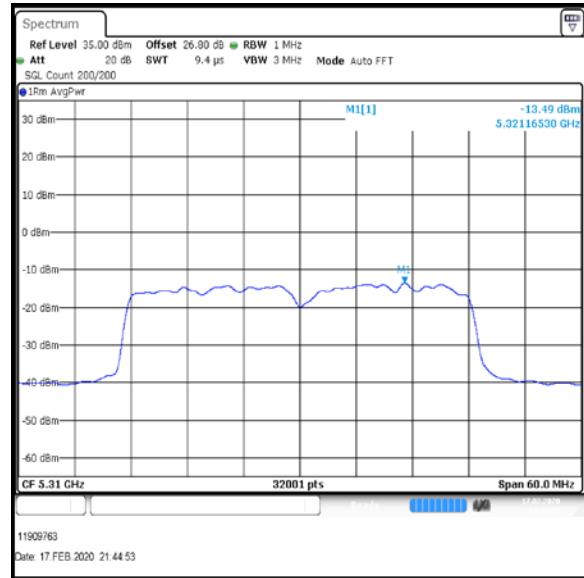
Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11n / HT40 / MCS7 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 1**



**Bottom Channel**

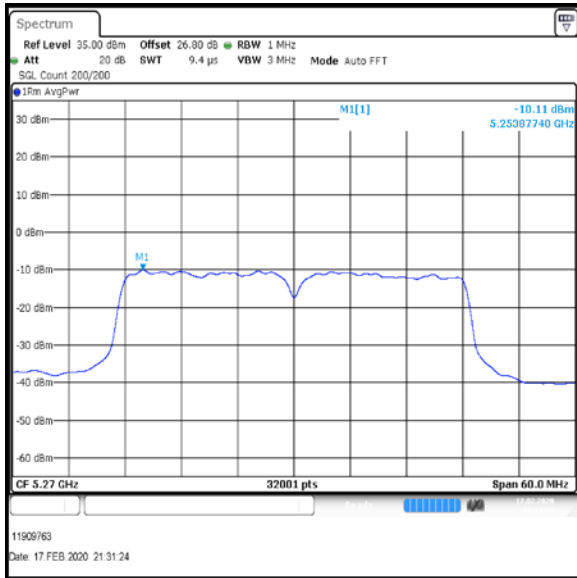


**Top Channel**

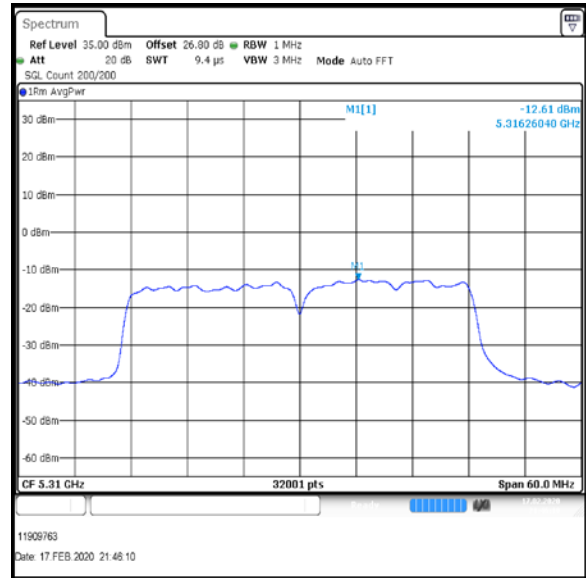
**Result: Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11n / HT40 / MCS7 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 2**



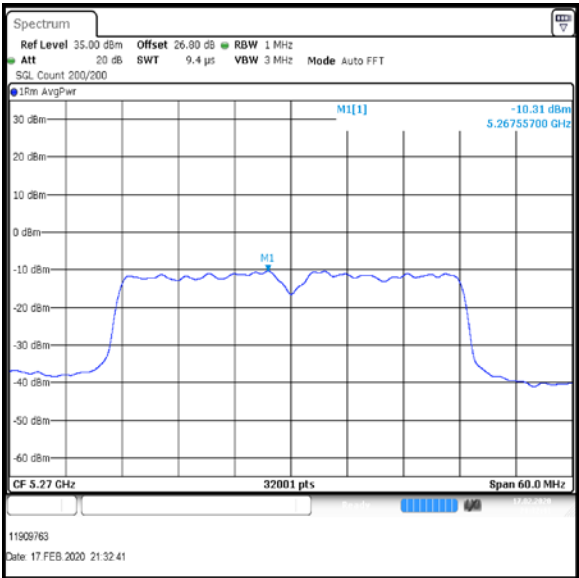
Bottom Channel



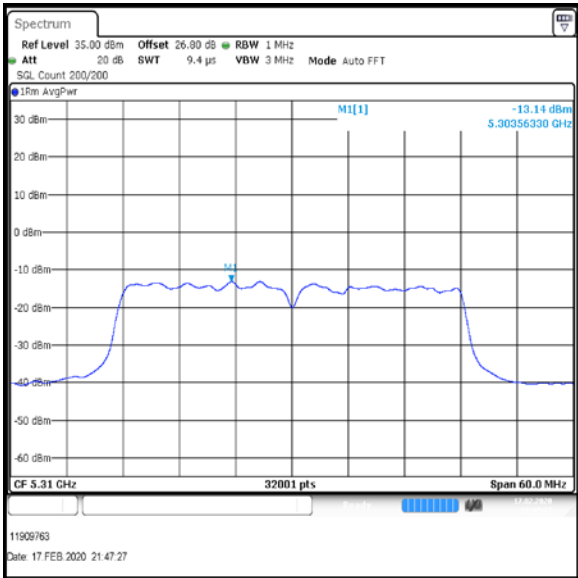
Top Channel

Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**  
**Results: 802.11n / HT40 / MCS7 / MIMO / Port 1+2+3+4 / P<sub>W</sub>L 15 / 8 dBi Antenna / Port 3**



Bottom Channel

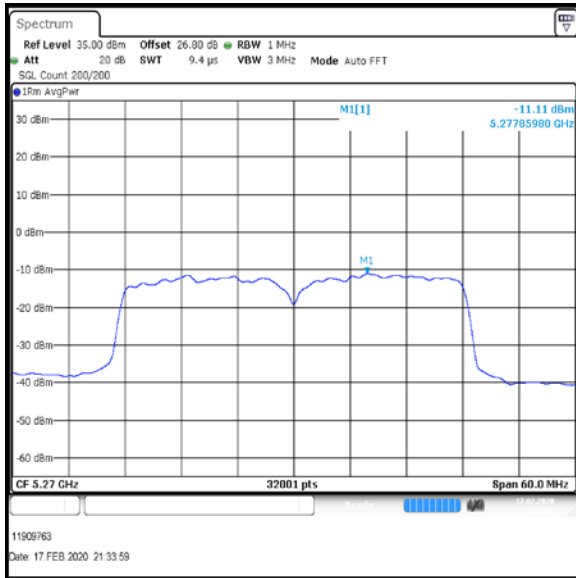


Top Channel

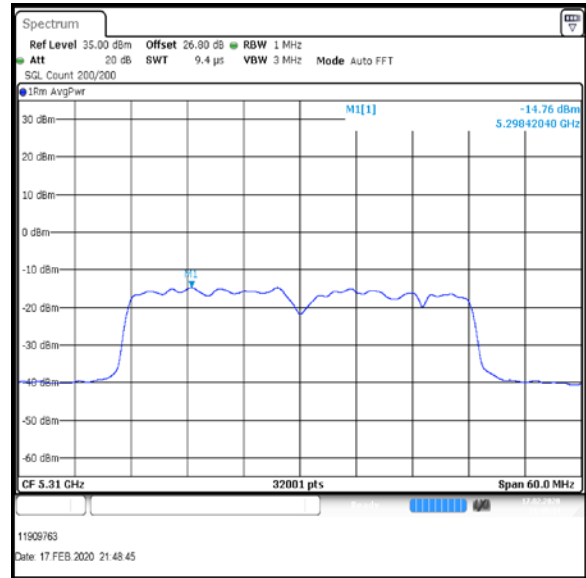
Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11n / HT40 / MCS7 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 4**



Bottom Channel



Top Channel

Result: **Pass**

# Transmitter Maximum Power Spectral Density (continued)

## Results: 802.11ac / HT40 / MCS3 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna

| Channel | Port 1 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 1 Corrected PSD (dBm/MHz) | Port 2 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 2 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -10.5                | 1.6                        | -8.9                           | -10.2                | 1.6                        | -8.6                           |
| Top     | -11.2                | 1.6                        | -9.6                           | -10.0                | 1.6                        | -8.4                           |

| Channel | Port 3 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 3 Corrected PSD (dBm/MHz) | Port 4 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 4 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -10.7                | 1.6                        | -9.1                           | -10.8                | 1.6                        | -9.2                           |
| Top     | -10.0                | 1.6                        | -8.4                           | -11.4                | 1.6                        | -9.8                           |

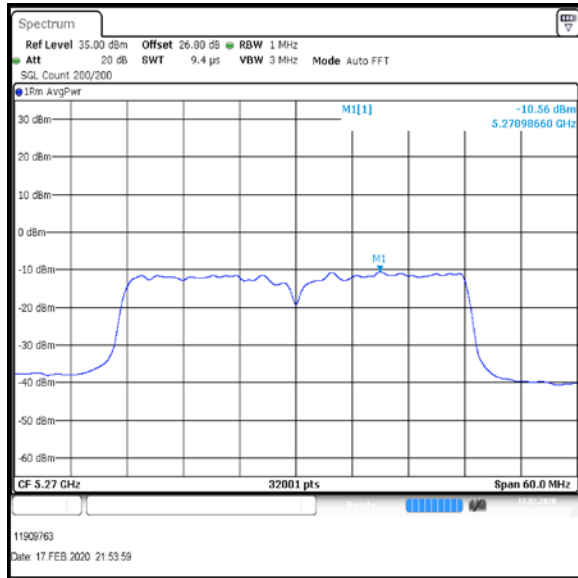
| Channel | Corrected PSD Port 1 (dBm/MHz) | Corrected PSD Port 2 (dBm/MHz) | Corrected PSD Port 3 (dBm/MHz) | Corrected PSD Port 4 (dBm/MHz) | Port 1+2+3+4 Combined PSD (dBm/MHz) |
|---------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| Bottom  | -8.9                           | -8.6                           | -9.1                           | -9.2                           | -3.7                                |
| Top     | -9.6                           | -8.4                           | -8.4                           | -9.8                           | -3.3                                |

| Channel | Combined Conducted PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|----------------------------------|-----------------|-------------|----------|
| Bottom  | -3.7                             | 2.9             | 6.6         | Complied |
| Top     | -3.3                             | 2.9             | 6.2         | Complied |

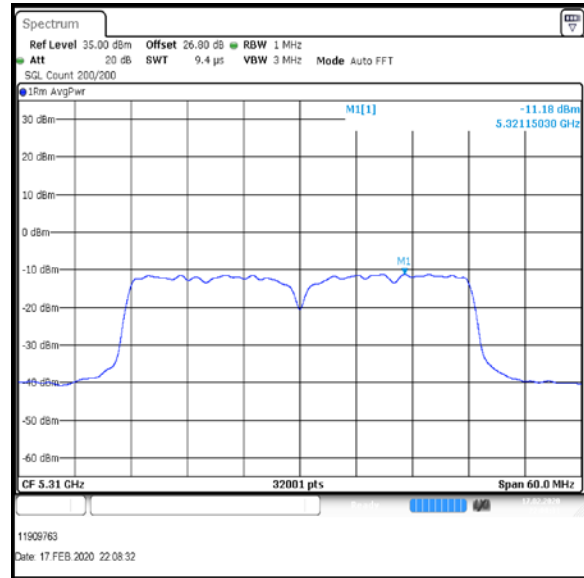
Result: **Pass**

## Transmitter Maximum Power Spectral Density (continued)

**Results: 802.11ac / HT40 / MCS3 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 1**



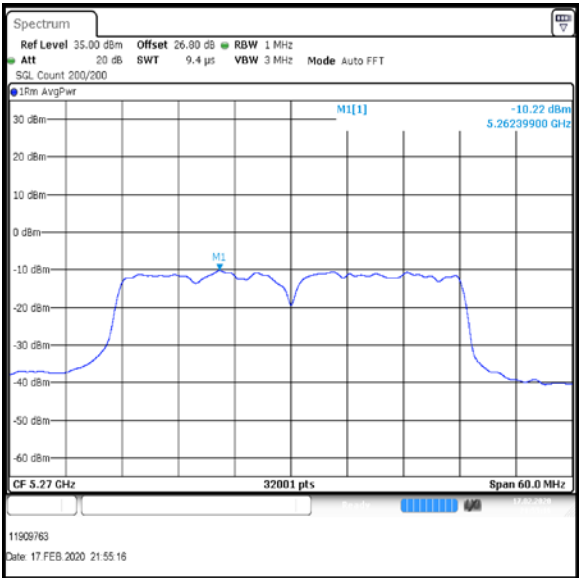
Bottom Channel



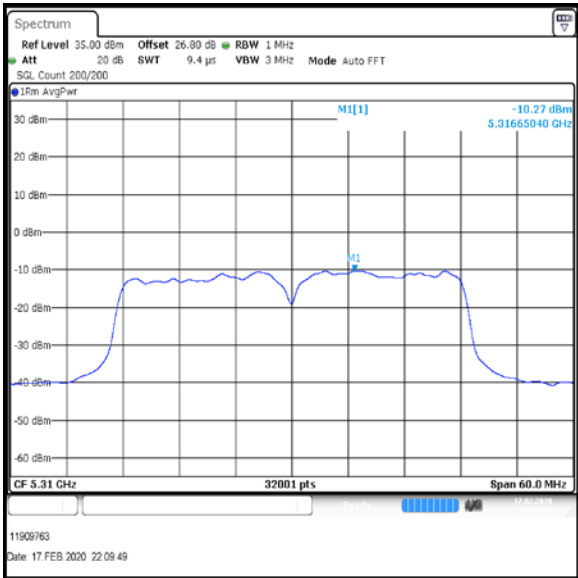
Top Channel

Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**  
**Results: 802.11ac / HT40 / MCS3 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 2**



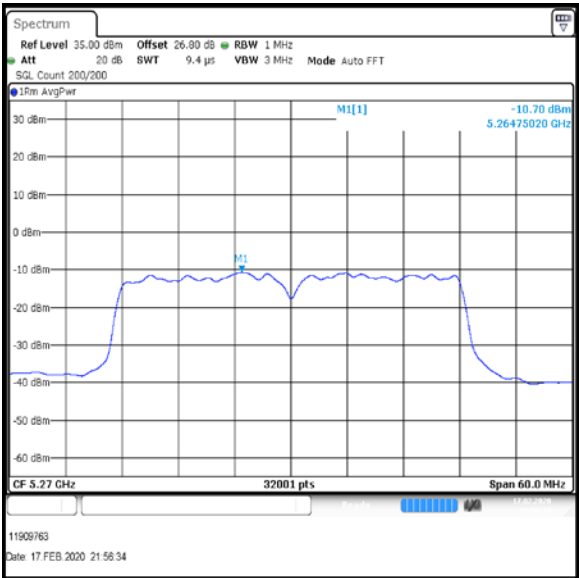
Bottom Channel



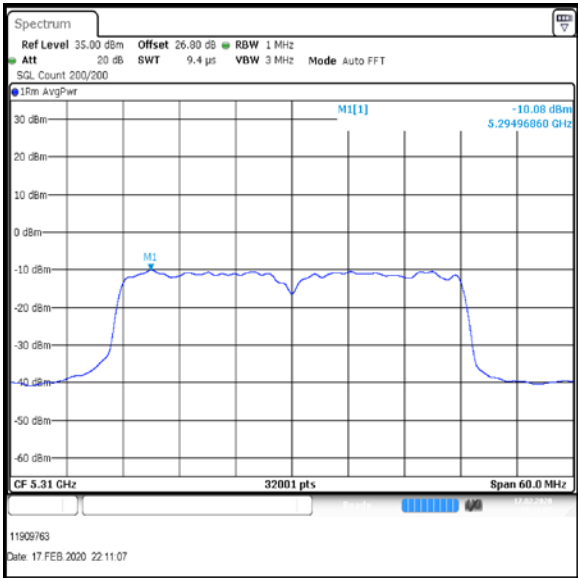
Top Channel

Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**  
**Results: 802.11ac / HT40 / MCS3 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 3**



Bottom Channel

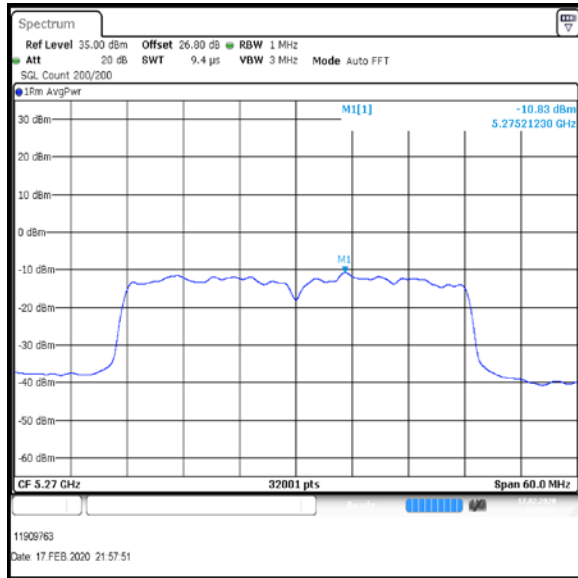


Top Channel

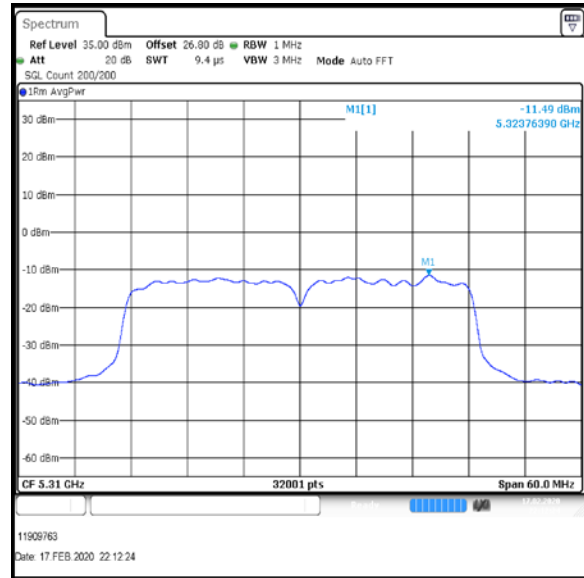
Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11ac / HT40 / MCS3 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 4**



**Bottom Channel**



**Top Channel**

**Result: Pass**

# Transmitter Maximum Power Spectral Density (continued)

## Results: 802.11ac / HT40 / MCS7 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna

| Channel | Port 1 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 1 Corrected PSD (dBm/MHz) | Port 2 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 2 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -11.0                | 2.3                        | -8.7                           | -10.4                | 2.3                        | -8.1                           |
| Top     | -10.9                | 2.3                        | -8.6                           | -10.3                | 2.3                        | -8.0                           |

| Channel | Port 3 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 3 Corrected PSD (dBm/MHz) | Port 4 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 4 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Bottom  | -10.0                | 2.3                        | -7.7                           | -12.1                | 2.3                        | -9.8                           |
| Top     | -11.5                | 2.3                        | -9.2                           | -12.0                | 2.3                        | -9.7                           |

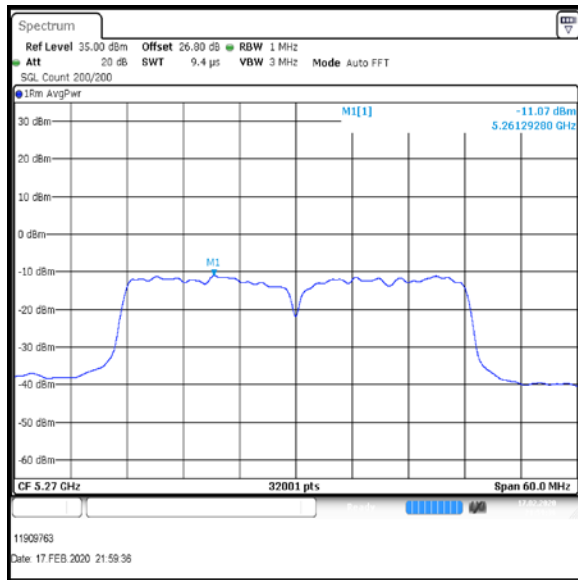
| Channel | Corrected PSD Port 1 (dBm/MHz) | Corrected PSD Port 2 (dBm/MHz) | Corrected PSD Port 3 (dBm/MHz) | Corrected PSD Port 4 (dBm/MHz) | Port 1+2+3+4 Combined PSD (dBm/MHz) |
|---------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| Bottom  | -8.7                           | -8.1                           | -7.7                           | -9.8                           | -3.1                                |
| Top     | -8.6                           | -8.0                           | -9.2                           | -9.7                           | -3.2                                |

| Channel | Combined Conducted PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|----------------------------------|-----------------|-------------|----------|
| Bottom  | -3.1                             | 2.9             | 6.0         | Complied |
| Top     | -3.2                             | 2.9             | 6.1         | Complied |

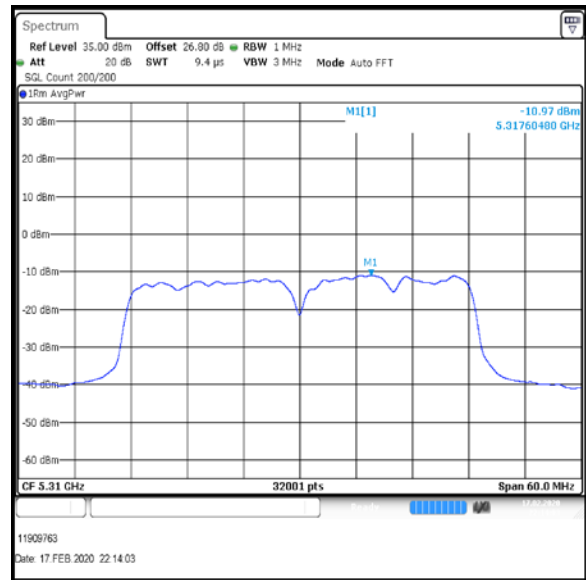
Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11ac / HT40 / MCS7 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 1**



Bottom Channel

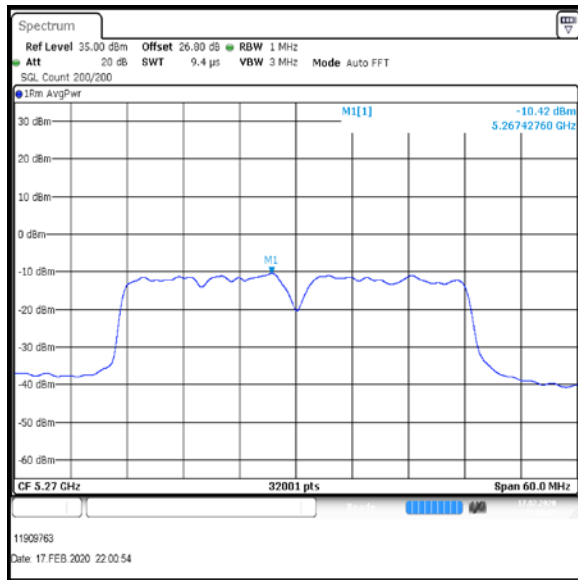


Top Channel

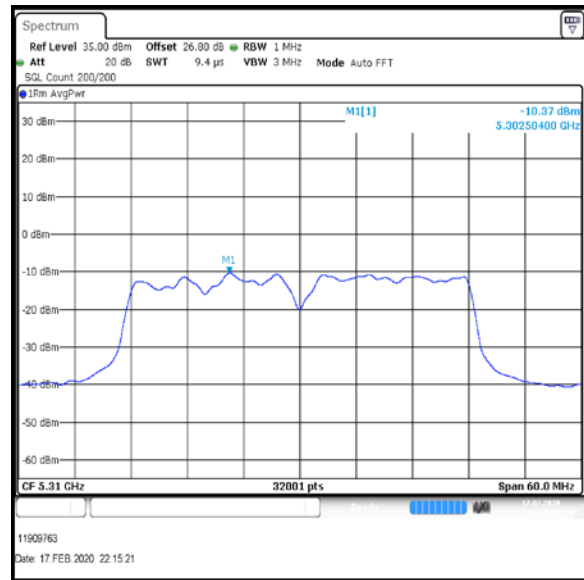
Result: **Pass**

## Transmitter Maximum Power Spectral Density (continued)

**Results: 802.11ac / HT40 / MCS7 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 2**



Bottom Channel

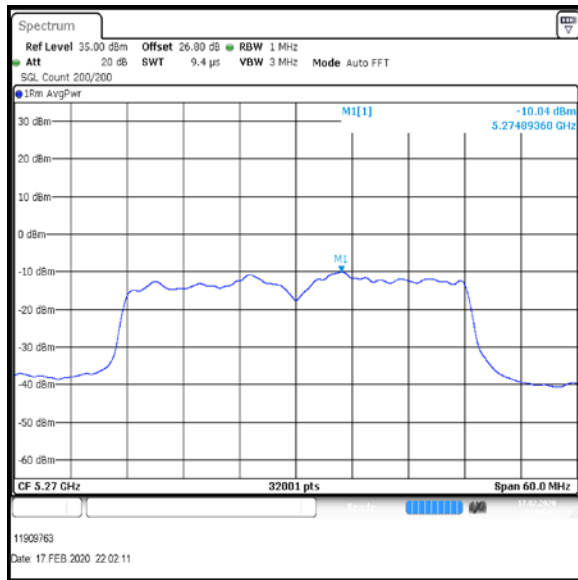


Top Channel

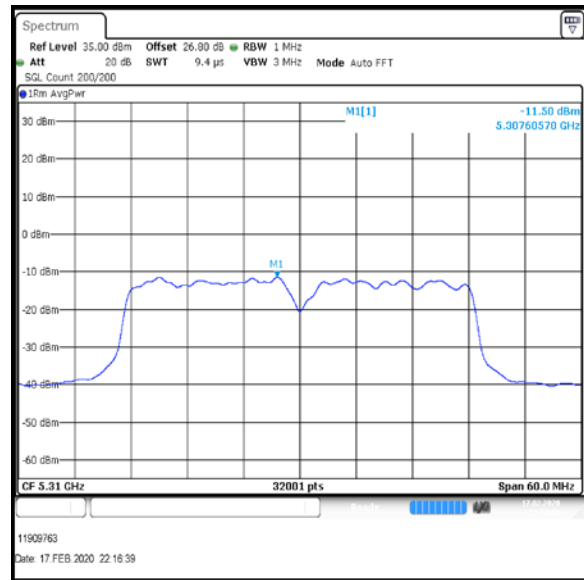
Result: **Pass**

## Transmitter Maximum Power Spectral Density (continued)

**Results: 802.11ac / HT40 / MCS7 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 3**



Bottom Channel

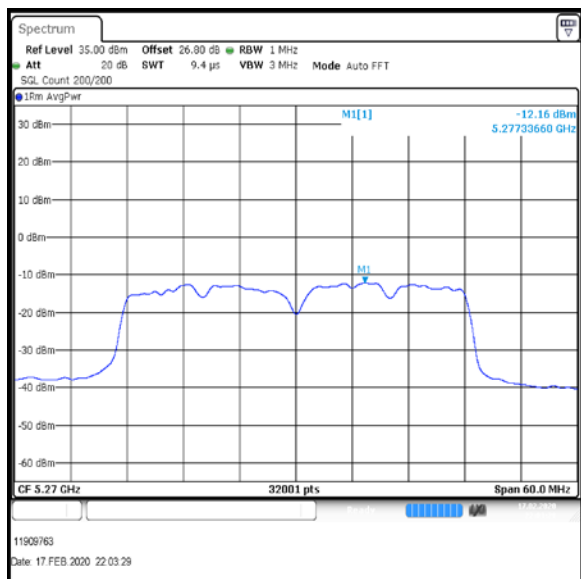


Top Channel

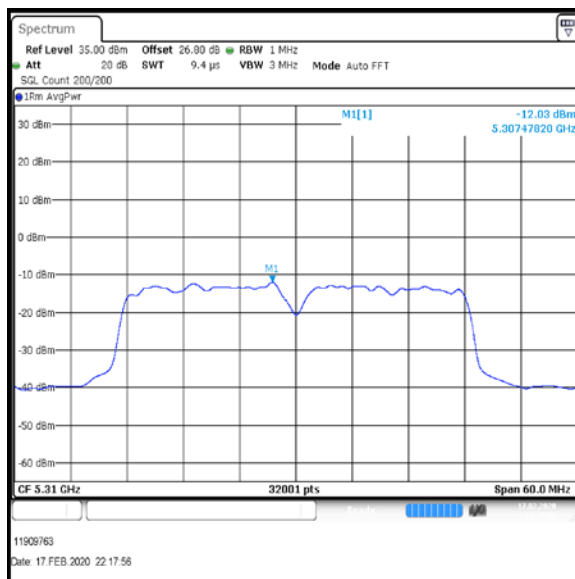
Result: **Pass**

## Transmitter Maximum Power Spectral Density (continued)

**Results: 802.11ac / HT40 / MCS7 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 4**



Bottom Channel



Top Channel

Result: **Pass**

# **Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11ac / HT80 / MCS3 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna**

| Channel | Port 1 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 1 Corrected PSD (dBm/MHz) | Port 2 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 2 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Single  | -13.4                | 3.3                        | -10.1                          | -13.5                | 3.3                        | -10.2                          |

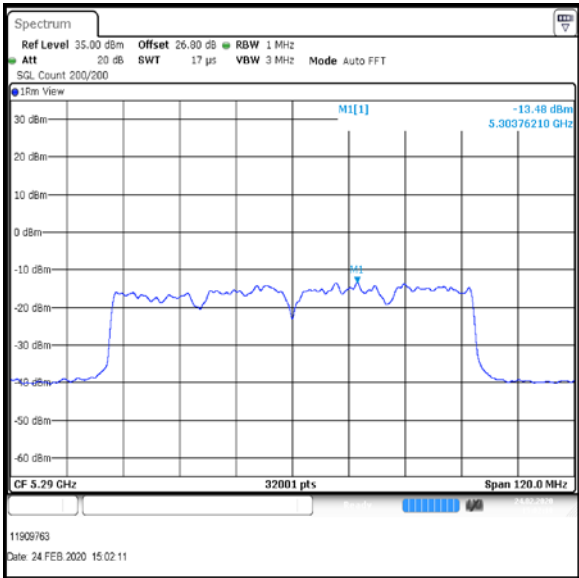
| Channel | Port 3 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 3 Corrected PSD (dBm/MHz) | Port 4 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 4 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Single  | -13.4                | 3.3                        | -10.1                          | -14.3                | 3.3                        | -11.0                          |

| Channel | Corrected PSD Port 1 (dBm/MHz) | Corrected PSD Port 2 (dBm/MHz) | Corrected PSD Port 3 (dBm/MHz) | Corrected PSD Port 4 (dBm/MHz) | Port 1+2+3+4 Combined PSD (dBm/MHz) |
|---------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| Single  | -10.1                          | -10.2                          | -10.1                          | -11.0                          | -5.3                                |

| Channel | Combined Conducted PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|----------------------------------|-----------------|-------------|----------|
| Single  | -5.3                             | 2.9             | 8.2         | Complied |

**Result: Pass**

**Transmitter Maximum Power Spectral Density (continued)**  
**Results: 802.11ac / HT80 / MCS3 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 1**

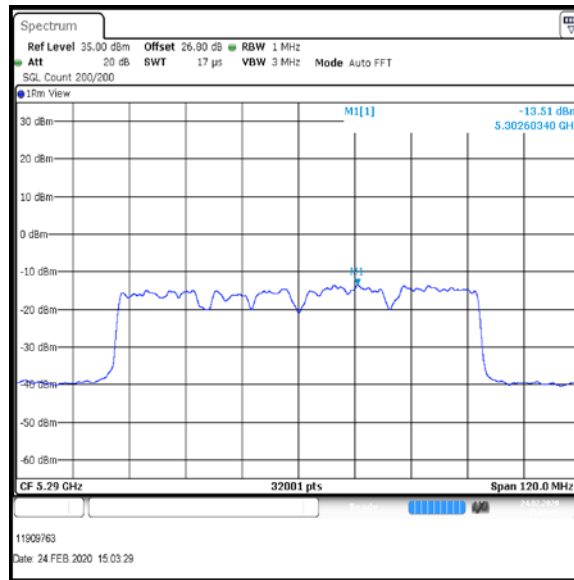


Single Channel

Result: **Pass**

## Transmitter Maximum Power Spectral Density (continued)

**Results: 802.11ac / HT80 / MCS3 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 2**

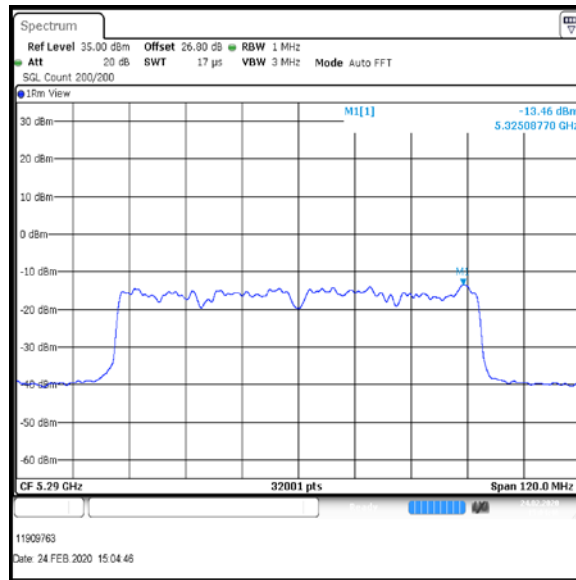


Single Channel

Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11ac / HT80 / MCS3 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 3**

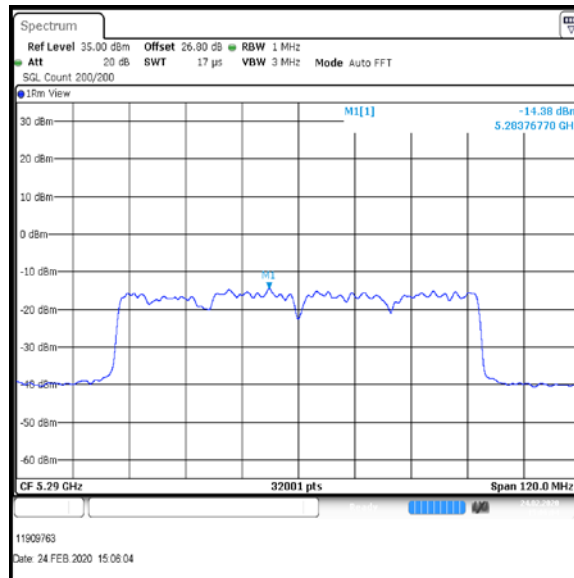


**Single Channel**

**Result: Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11ac / HT80 / MCS3 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 4**



**Single Channel**

**Result: Pass**

# **Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11ac / HT80 / MCS6 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna**

| Channel | Port 1 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 1 Corrected PSD (dBm/MHz) | Port 2 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 2 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Single  | -14.2                | 4.1                        | -10.1                          | -13.2                | 4.1                        | -9.1                           |

| Channel | Port 3 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 3 Corrected PSD (dBm/MHz) | Port 4 PSD (dBm/MHz) | Duty Cycle Correction (dB) | Port 4 Corrected PSD (dBm/MHz) |
|---------|----------------------|----------------------------|--------------------------------|----------------------|----------------------------|--------------------------------|
| Single  | -13.9                | 4.1                        | -9.8                           | -15.4                | 4.1                        | -11.3                          |

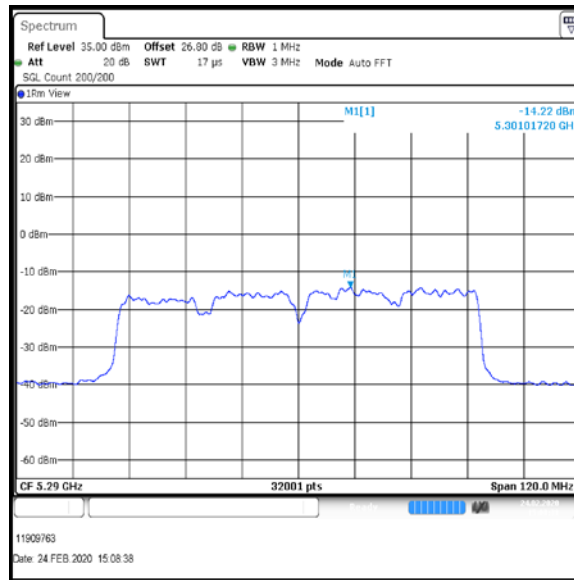
| Channel | Corrected PSD Port 1 (dBm/MHz) | Corrected PSD Port 2 (dBm/MHz) | Corrected PSD Port 3 (dBm/MHz) | Corrected PSD Port 4 (dBm/MHz) | Port 1+2+3+4 Combined PSD (dBm/MHz) |
|---------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|
| Single  | -10.1                          | -9.1                           | -9.8                           | -11.3                          | -4.9                                |

| Channel | Combined Conducted PSD (dBm/MHz) | Limit (dBm/MHz) | Margin (dB) | Result   |
|---------|----------------------------------|-----------------|-------------|----------|
| Single  | -4.9                             | 2.9             | 7.8         | Complied |

**Result: Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11ac / HT80 / MCS6 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 1**

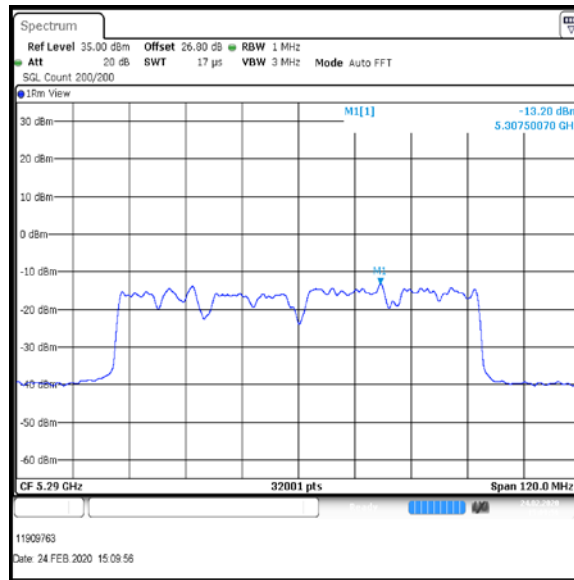


**Single Channel**

**Result: Pass**

## Transmitter Maximum Power Spectral Density (continued)

**Results: 802.11ac / HT80 / MCS6 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 2**

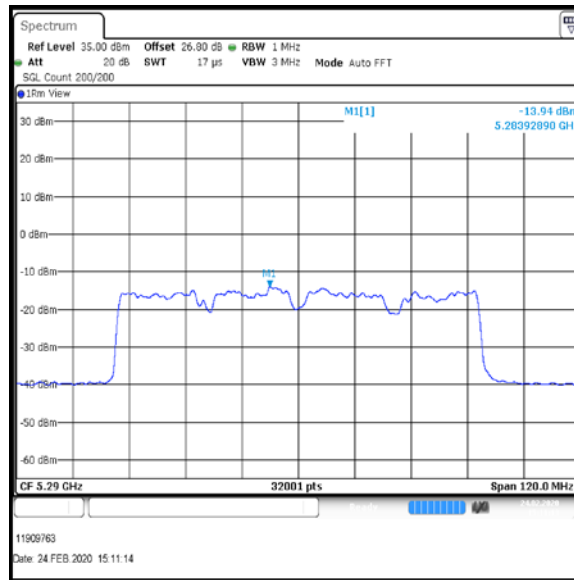


Single Channel

Result: **Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11ac / HT80 / MCS6 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 3**

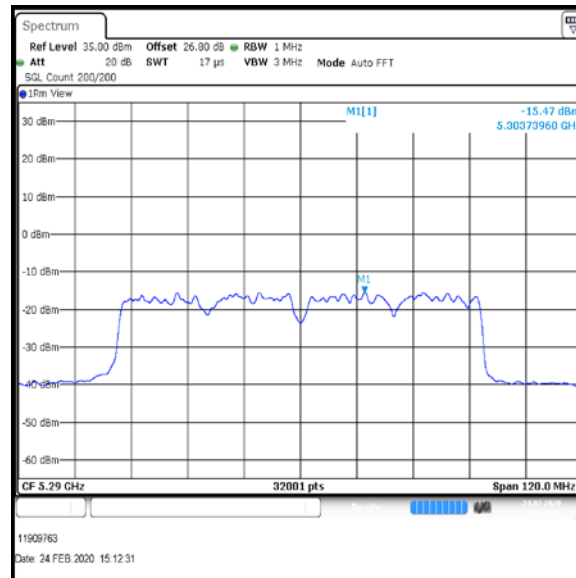


**Single Channel**

**Result: Pass**

**Transmitter Maximum Power Spectral Density (continued)**

**Results: 802.11ac / HT80 / MCS6 / MIMO / Port 1+2+3+4 / PWL 15 / 8 dBi Antenna / Port 4**



Single Channel

Result: **Pass**

## 6. Measurement Uncertainty

The expression of uncertainty of a measurement result allows realistic comparison of results with reference values and limits given in specifications and standards.

The uncertainty of the result may need to be taken into account when interpreting the measurement results.

The reported expanded uncertainties below are based on a standard uncertainty multiplied by an appropriate coverage factor such that a confidence level of approximately 95% is maintained. For the purposes of this document “approximately” is interpreted as meaning “effectively” or “for most practical purposes”.

| Measurement Type                         | Confidence Level (%) | Calculated Uncertainty |
|------------------------------------------|----------------------|------------------------|
| AC Conducted Spurious Emissions          | 95%                  | ±2.49 dB               |
| Conducted Maximum Peak Output Power      | 95%                  | ±0.59 dB               |
| Conducted Maximum Power Spectral Density | 95%                  | ±0.59 dB               |
| Transmitter Duty Cycle                   | 95%                  | ±3.4%                  |
| 26 dB Bandwidth                          | 95%                  | ±0.87 %                |

The methods used to calculate the above uncertainties are in line with those recommended within the various measurement specifications. Where measurement specifications do not include guidelines for the evaluation of measurement uncertainty the published guidance of the appropriate accreditation body is followed.

## 7. Used equipment

### Test site: SR 7/8

| ID      | Manufacturer                        | Type                                  | Model     | Serial                | Cal Date         | Cal. Cycle |
|---------|-------------------------------------|---------------------------------------|-----------|-----------------------|------------------|------------|
| 22      | Rohde & Schwarz                     | Artificial Mains                      | ESH3-Z5   | 831767/014            | 2019-07-09       | 12         |
| 23      | Rohde & Schwarz                     | Artificial Mains                      | ESH3-Z5   | 831767/013            | 2019-07-09       | 12         |
| 28      | Rohde & Schwarz                     | Passive Probe                         | ESH2-Z3   | none                  | 2019-07-11       | 12         |
| 215     | Rohde & Schwarz                     | Artificial Mains Network              | ESH2-Z5   | 879675/002            | 2019-07-05       | 12         |
| 349     | Rohde & Schwarz                     | Receiver, EMI Test                    | ESIB7     | 836697/009            | 2019-07-10       | 12         |
| 351     | Rohde & Schwarz                     | network, Artificial Mains             | ESH3-Z5   | 862770/018            | 2019-07-08       | 12         |
| 370     | Rohde & Schwarz                     | Current probe                         | EZ-17     | 833335/010            | 2019-07-11       | 24         |
| 564     | Tesseq                              | Impedance stabilisation network (ISN) | ISN T800  | 26076                 | 2019-07-08       | 24         |
| 565     | Tesseq                              | Impedance stabilisation network (ISN) | ISN ST08  | 26575                 | 2019-07-09       | 12         |
| 616     | Rohde & Schwarz                     | ISN                                   | ENY81-CA6 | 101656                | 2019-07-09       | 12         |
| -/-     | Testo                               | Thermo-Hygrometer                     | 608-H1    | 08                    | lab verification | n/a        |
| 1603671 | Siemens<br>Matsushita<br>Components | shielded room                         |           | B83117-<br>A1421-T162 | n/a              | n/a        |

### Test site: SR 9

| ID      | Manufacturer                     | Type                          | Model      | Serial                | Calibration Date | Cal. Cycle |
|---------|----------------------------------|-------------------------------|------------|-----------------------|------------------|------------|
| 472     | Rohde & Schwarz                  | Generator, Vectorsignal       | SMU200A    | 102409                | 2019-08-07       | 12         |
| 621     | Ahlborn-Almemo                   | Temperatur-/ Feuchtemessgerät | MA2470-S2  | H16080099             | 2019-05-03       | 12         |
| 635     | Rohde & Schwarz                  | Signal generator              | SMB100A    | 179875                | 2019-07-09       | 12         |
| 636     | Rohde & Schwarz                  | switching unit                | OSP120     | 101698                | 2019-07-19       | 12         |
| 637     | Rohde & Schwarz                  | Spectrum Analyzer             | FSV40      | 101587                | 2019-07-11       | 12         |
| 445     | Huber & Suhner                   | RF Attenuator (10dB)          | 6810.17.AC | 0047                  | lab verification | n/a        |
| -/-     | Mini Circuits                    | RF Attenuator (3 dB)          | BW-S3 W2+  | 1741                  | lab verification | n/a        |
| -/-     | Testo                            | Thermo-Hygrometer             | 608-H1     | 07                    | lab verification | n/a        |
| -/-     | Huber & Suhner                   | 4 X4 MIMO RF Cables (18 GHz)  | N-SMA      | -/-                   | lab verification | n/a        |
| 1603668 | Siemens Matsushita<br>Components | shielded room                 |            | B83117-<br>B1422-T161 | n/a              | n/a        |

## 8. Report Revision History

| Version Number | Revision Details |        |                 |
|----------------|------------------|--------|-----------------|
|                | Page No(s)       | Clause | Details         |
| 1.0            | 729              | -      | Initial Version |