

# SPURIOUS CONDUCTED EMISSIONS

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

## TEST EQUIPMENT

| Description                  | Manufacturer       | Model           | ID  | Last Cal.  | Interval (mo) |
|------------------------------|--------------------|-----------------|-----|------------|---------------|
| Analyzer - Spectrum Analyzer | Keysight           | N9010A          | AFN | 2/10/2015  | 15            |
| Block - DC                   | Fairview Microwave | SD3379          | AMI | 9/18/2015  | 12            |
| Attenuator                   | Fairview Microwave | 18B5W-26        | RFY | 7/6/2015   | 12            |
| Cable                        | ESM Cable Corp.    | TTBJ141 KMKM-72 | MNU | 9/18/2015  | 12            |
| Generator - Signal           | Agilent            | N5183A          | TIK | 10/17/2014 | 36            |

## TEST DESCRIPTION

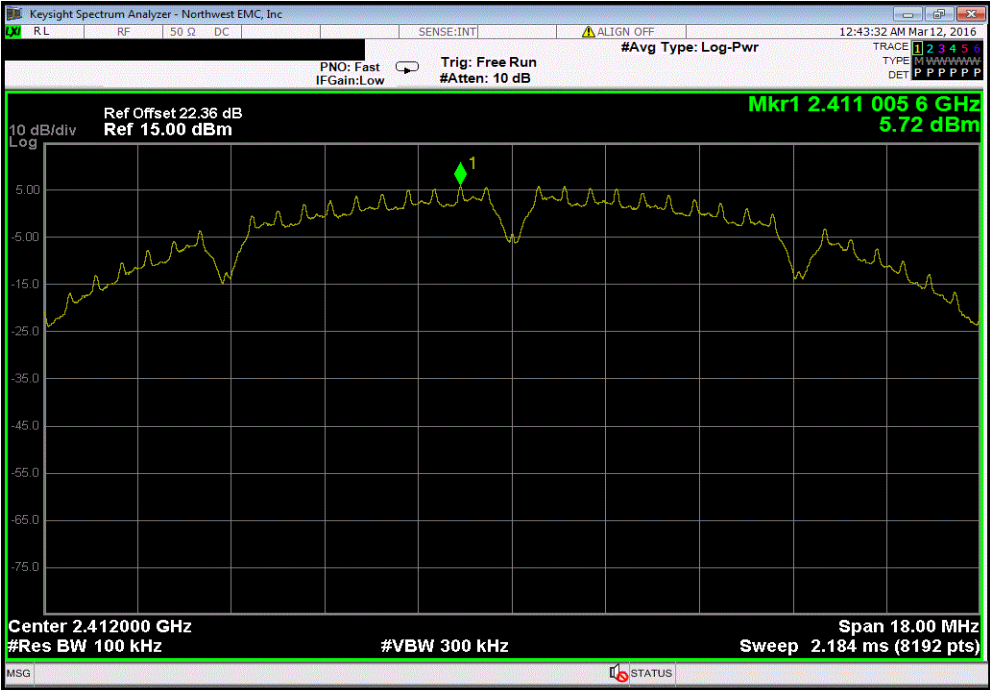
The spurious RF conducted emissions were measured with the EUT set to low, medium and high transmit frequencies. The measurements were made using a direct connection between the RF output of the EUT and the spectrum analyzer. The EUT was transmitting at the data rate(s) listed in the datasheet. For each transmit frequency, the spectrum was scanned throughout the specified frequency range.

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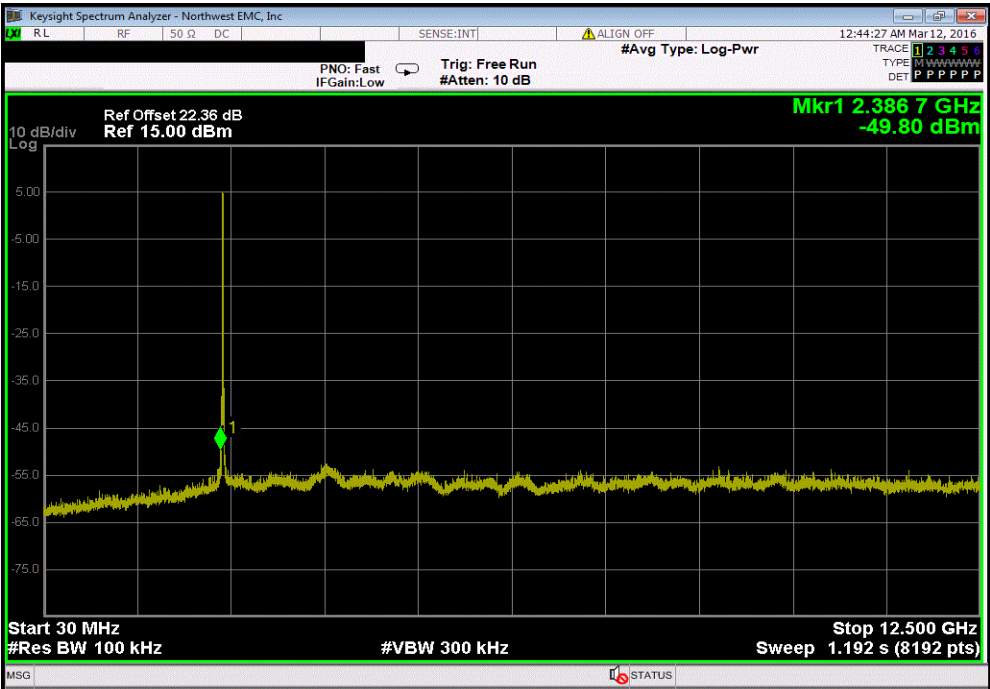
|                               |                           |                                                                                             |                                      |
|-------------------------------|---------------------------|---------------------------------------------------------------------------------------------|--------------------------------------|
| EUT: ZOLL CF Card Module      |                           | Work Order: LGPD0179                                                                        |                                      |
| Serial Number: 0216M00003     |                           | Date: 03/11/16                                                                              |                                      |
| Customer: ZOLL Medical Corp.  |                           | Temperature: 22.4°C                                                                         |                                      |
| Attendees: Adam Ford          |                           | Humidity: 27%                                                                               |                                      |
| Project: None                 |                           | Barometric Pres.: 991.5                                                                     |                                      |
| Tested by: Jared Ison         |                           | Job Site: MN08                                                                              |                                      |
| Power: 5 VDC                  |                           |                                                                                             |                                      |
| TEST SPECIFICATIONS           |                           | Test Method                                                                                 |                                      |
| FCC 15.247:2016               |                           | ANSI C63.10:2013                                                                            |                                      |
| COMMENTS                      |                           |                                                                                             |                                      |
| None                          |                           |                                                                                             |                                      |
| DEVIATIONS FROM TEST STANDARD |                           |                                                                                             |                                      |
| None                          |                           |                                                                                             |                                      |
| Configuration #               | 1                         | Signature  |                                      |
|                               |                           | Frequency Range                                                                             | Max Value (dBc) Limit ≤ (dBc) Result |
| 2400 MHz - 2483.5 MHz Band    |                           |                                                                                             |                                      |
| 802.11(b) 1 Mbps              |                           |                                                                                             |                                      |
|                               | Low Channel 1, 2412 MHz   | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | Low Channel 1, 2412 MHz   | 30 MHz - 12.5 GHz                                                                           | -55.53 -20 Pass                      |
|                               | Low Channel 1, 2412 MHz   | 12.5 GHz - 25 GHz                                                                           | -56.52 -20 Pass                      |
|                               | Mid Channel 6, 2437 MHz   | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | Mid Channel 6, 2437 MHz   | 30 MHz - 12.5 GHz                                                                           | -60.66 -20 Pass                      |
|                               | Mid Channel 6, 2437 MHz   | 12.5 GHz - 25 GHz                                                                           | -59.21 -20 Pass                      |
|                               | High Channel 11, 2462 MHz | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | High Channel 11, 2462 MHz | 30 MHz - 12.5 GHz                                                                           | -61.35 -20 Pass                      |
|                               | High Channel 11, 2462 MHz | 12.5 GHz - 25 GHz                                                                           | -59.75 -20 Pass                      |
| 802.11(b) 11 Mbps             |                           |                                                                                             |                                      |
|                               | Low Channel 1, 2412 MHz   | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | Low Channel 1, 2412 MHz   | 30 MHz - 12.5 GHz                                                                           | -55.63 -20 Pass                      |
|                               | Low Channel 1, 2412 MHz   | 12.5 GHz - 25 GHz                                                                           | -56.37 -20 Pass                      |
|                               | Mid Channel 6, 2437 MHz   | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | Mid Channel 6, 2437 MHz   | 30 MHz - 12.5 GHz                                                                           | -62.47 -20 Pass                      |
|                               | Mid Channel 6, 2437 MHz   | 12.5 GHz - 25 GHz                                                                           | -59.52 -20 Pass                      |
|                               | High Channel 11, 2462 MHz | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | High Channel 11, 2462 MHz | 30 MHz - 12.5 GHz                                                                           | -62.02 -20 Pass                      |
|                               | High Channel 11, 2462 MHz | 12.5 GHz - 25 GHz                                                                           | -59.91 -20 Pass                      |
| 802.11(g) 6 Mbps              |                           |                                                                                             |                                      |
|                               | Low Channel 1, 2412 MHz   | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | Low Channel 1, 2412 MHz   | 30 MHz - 12.5 GHz                                                                           | -52.51 -20 Pass                      |
|                               | Low Channel 1, 2412 MHz   | 12.5 GHz - 25 GHz                                                                           | -56.18 -20 Pass                      |
|                               | Mid Channel 6, 2437 MHz   | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | Mid Channel 6, 2437 MHz   | 30 MHz - 12.5 GHz                                                                           | -61.1 -20 Pass                       |
|                               | Mid Channel 6, 2437 MHz   | 12.5 GHz - 25 GHz                                                                           | -58.93 -20 Pass                      |
|                               | High Channel 11, 2462 MHz | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | High Channel 11, 2462 MHz | 30 MHz - 12.5 GHz                                                                           | -55.62 -20 Pass                      |
|                               | High Channel 11, 2462 MHz | 12.5 GHz - 25 GHz                                                                           | -54 -20 Pass                         |
| 802.11(g) 36 Mbps             |                           |                                                                                             |                                      |
|                               | Low Channel 1, 2412 MHz   | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | Low Channel 1, 2412 MHz   | 30 MHz - 12.5 GHz                                                                           | -50.99 -20 Pass                      |
|                               | Low Channel 1, 2412 MHz   | 12.5 GHz - 25 GHz                                                                           | -49.47 -20 Pass                      |
|                               | Mid Channel 6, 2437 MHz   | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | Mid Channel 6, 2437 MHz   | 30 MHz - 12.5 GHz                                                                           | -50.79 -20 Pass                      |
|                               | Mid Channel 6, 2437 MHz   | 12.5 GHz - 25 GHz                                                                           | -48.79 -20 Pass                      |
|                               | High Channel 11, 2462 MHz | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | High Channel 11, 2462 MHz | 30 MHz - 12.5 GHz                                                                           | -50.27 -20 Pass                      |
|                               | High Channel 11, 2462 MHz | 12.5 GHz - 25 GHz                                                                           | -49.47 -20 Pass                      |
| 802.11(g) 54 Mbps             |                           |                                                                                             |                                      |
|                               | Low Channel 1, 2412 MHz   | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | Low Channel 1, 2412 MHz   | 30 MHz - 12.5 GHz                                                                           | -48.84 -20 Pass                      |
|                               | Low Channel 1, 2412 MHz   | 12.5 GHz - 25 GHz                                                                           | -47.42 -20 Pass                      |
|                               | Mid Channel 6, 2437 MHz   | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | Mid Channel 6, 2437 MHz   | 30 MHz - 12.5 GHz                                                                           | -50.01 -20 Pass                      |
|                               | Mid Channel 6, 2437 MHz   | 12.5 GHz - 25 GHz                                                                           | -47.36 -20 Pass                      |
|                               | High Channel 11, 2462 MHz | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | High Channel 11, 2462 MHz | 30 MHz - 12.5 GHz                                                                           | -48.77 -20 Pass                      |
|                               | High Channel 11, 2462 MHz | 12.5 GHz - 25 GHz                                                                           | -47.29 -20 Pass                      |
| 802.11(n) MCS0                |                           |                                                                                             |                                      |
|                               | Low Channel 1, 2412 MHz   | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | Low Channel 1, 2412 MHz   | 30 MHz - 12.5 GHz                                                                           | -50.19 -20 Pass                      |
|                               | Low Channel 1, 2412 MHz   | 12.5 GHz - 25 GHz                                                                           | -50.2 -20 Pass                       |
|                               | Mid Channel 6, 2437 MHz   | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | Mid Channel 6, 2437 MHz   | 30 MHz - 12.5 GHz                                                                           | -53.43 -20 Pass                      |
|                               | Mid Channel 6, 2437 MHz   | 12.5 GHz - 25 GHz                                                                           | -52.39 -20 Pass                      |
|                               | High Channel 11, 2462 MHz | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | High Channel 11, 2462 MHz | 30 MHz - 12.5 GHz                                                                           | -53.46 -20 Pass                      |
|                               | High Channel 11, 2462 MHz | 12.5 GHz - 25 GHz                                                                           | -52.78 -20 Pass                      |
| 802.11(n) MCS7                |                           |                                                                                             |                                      |
|                               | Low Channel 1, 2412 MHz   | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | Low Channel 1, 2412 MHz   | 30 MHz - 12.5 GHz                                                                           | -47.68 -20 Pass                      |
|                               | Low Channel 1, 2412 MHz   | 12.5 GHz - 25 GHz                                                                           | -46.54 -20 Pass                      |
|                               | Mid Channel 6, 2437 MHz   | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | Mid Channel 6, 2437 MHz   | 30 MHz - 12.5 GHz                                                                           | -48.21 -20 Pass                      |
|                               | Mid Channel 6, 2437 MHz   | 12.5 GHz - 25 GHz                                                                           | -46.61 -20 Pass                      |
|                               | High Channel 11, 2462 MHz | Fundamental                                                                                 | N/A N/A N/A                          |
|                               | High Channel 11, 2462 MHz | 30 MHz - 12.5 GHz                                                                           | -48.13 -20 Pass                      |
|                               | High Channel 11, 2462 MHz | 12.5 GHz - 25 GHz                                                                           | -46.6 -20 Pass                       |

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| 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz |  |                 |  |               |        |  |
|-----------------------------------------------------------------------|--|-----------------|--|---------------|--------|--|
| Frequency Range                                                       |  | Max Value (dBc) |  | Limit ≤ (dBc) | Result |  |
| Fundamental                                                           |  | N/A             |  | N/A           | N/A    |  |

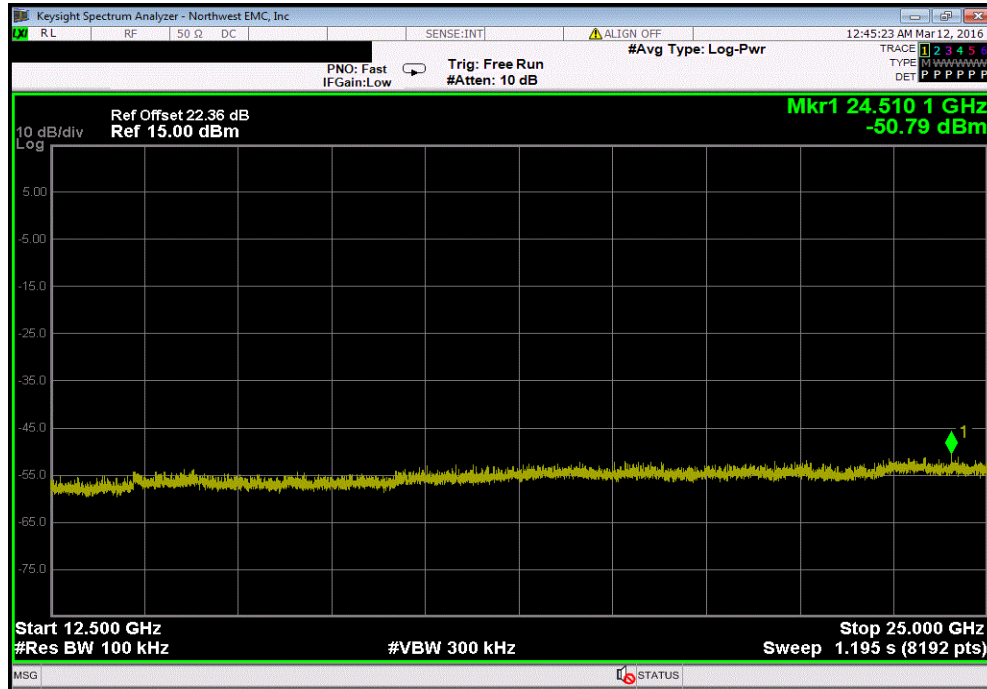


| 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz |  |                 |  |               |        |  |
|-----------------------------------------------------------------------|--|-----------------|--|---------------|--------|--|
| Frequency Range                                                       |  | Max Value (dBc) |  | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                     |  | -55.53          |  | -20           | Pass   |  |

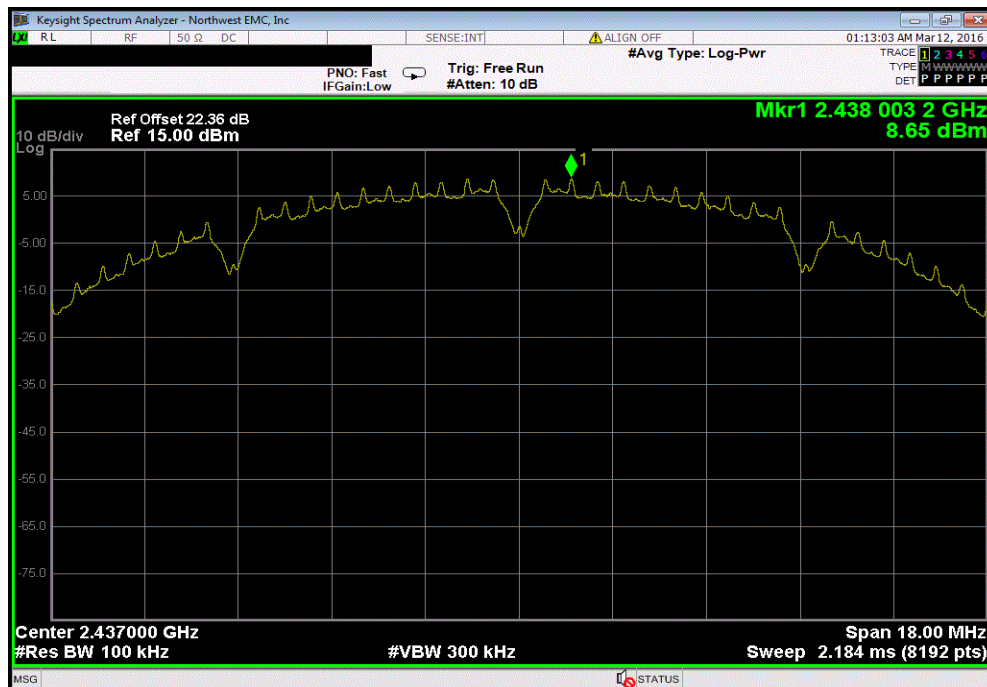


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Low Channel 1, 2412 MHz |                 |               |        |  |
|-----------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                       | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                     | -56.52          | -20           | Pass   |  |

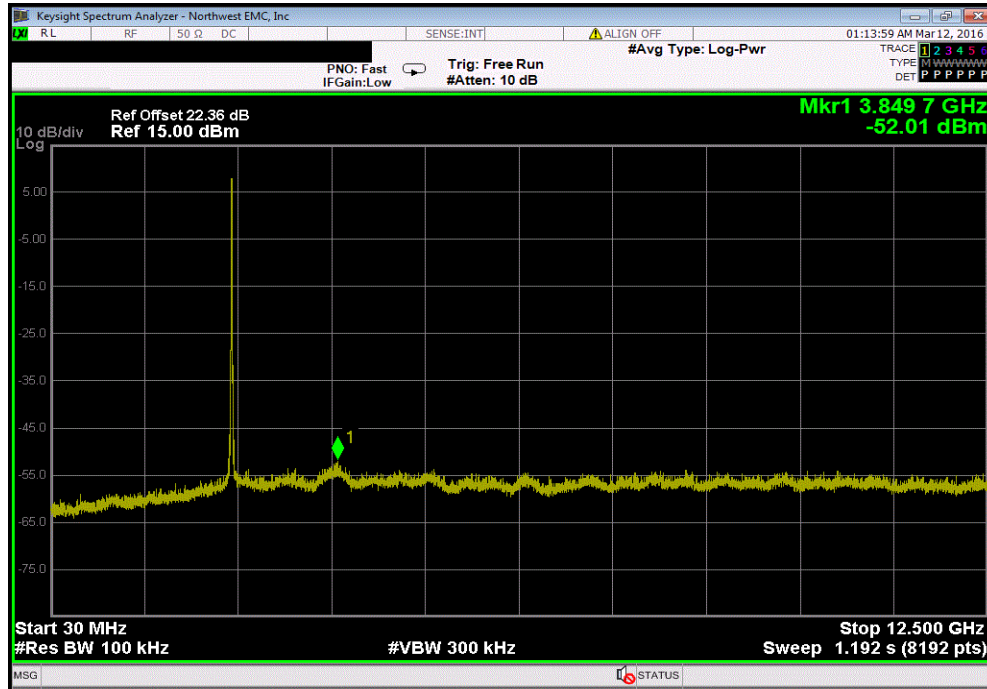


| 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz |                 |               |        |  |
|-----------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                       | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| Fundamental                                                           | N/A             | N/A           | N/A    |  |

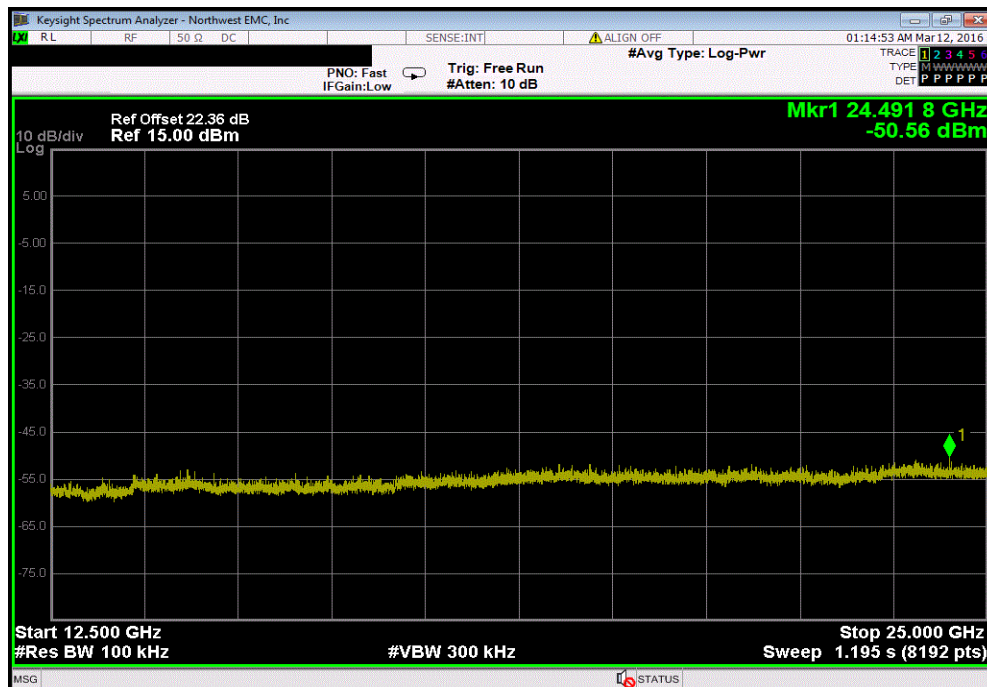


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz |                 |               |        |  |
|-----------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                       | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                     | -60.66          | -20           | Pass   |  |

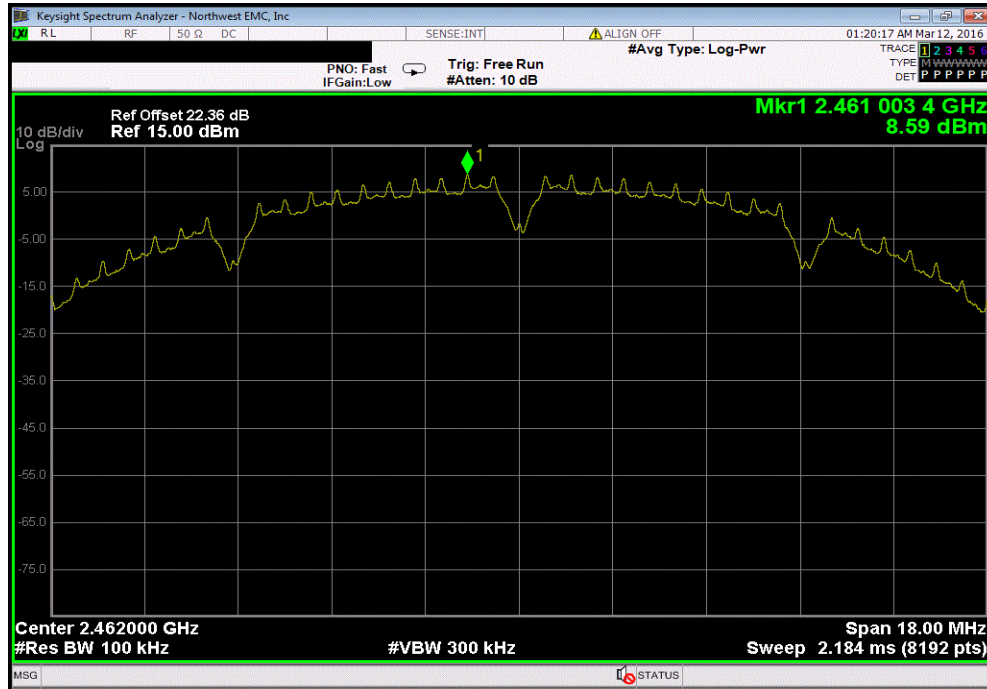


| 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, Mid Channel 6, 2437 MHz |                 |               |        |  |
|-----------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                       | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                     | -59.21          | -20           | Pass   |  |

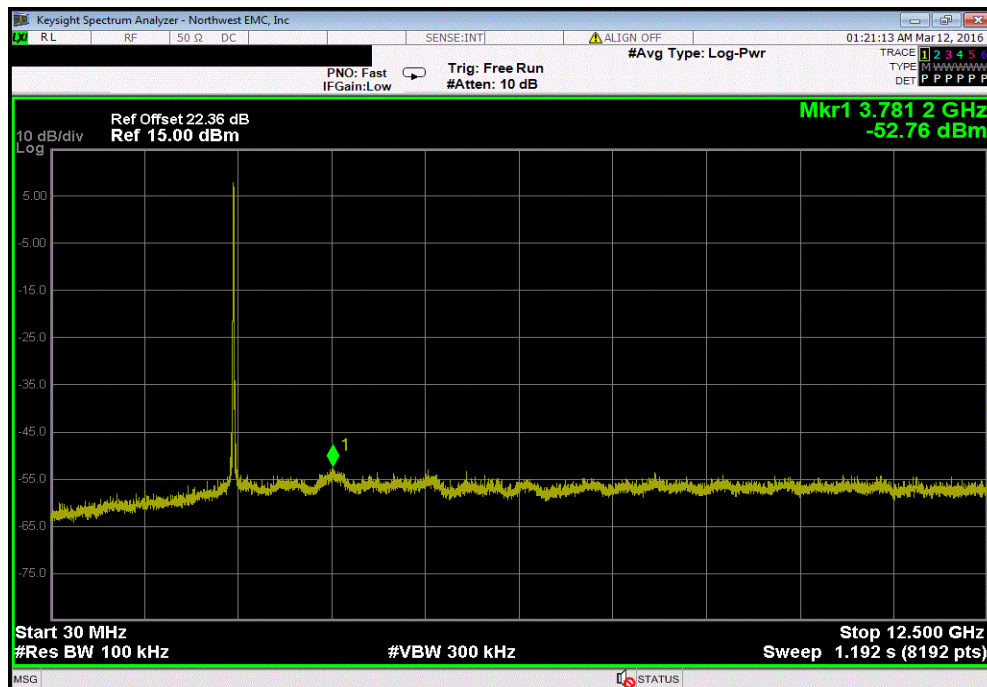


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz |  |                 |  |               |        |  |
|-------------------------------------------------------------------------|--|-----------------|--|---------------|--------|--|
| Frequency Range                                                         |  | Max Value (dBc) |  | Limit ≤ (dBc) | Result |  |
| Fundamental                                                             |  | N/A             |  | N/A           | N/A    |  |

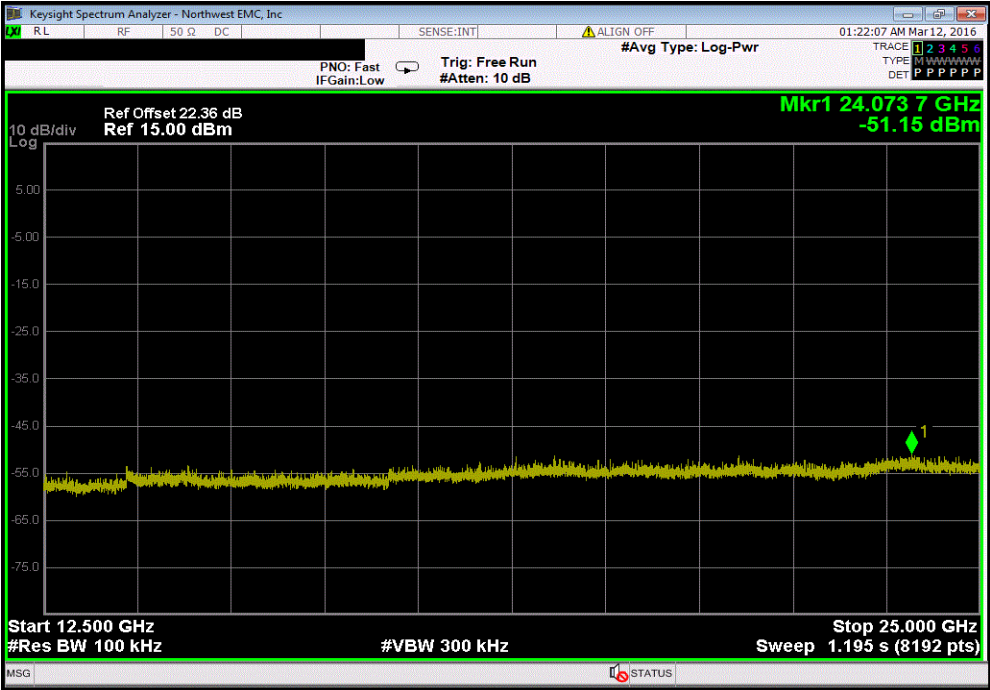


| 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz |  |                 |  |               |        |  |
|-------------------------------------------------------------------------|--|-----------------|--|---------------|--------|--|
| Frequency Range                                                         |  | Max Value (dBc) |  | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                       |  | -61.35          |  | -20           | Pass   |  |

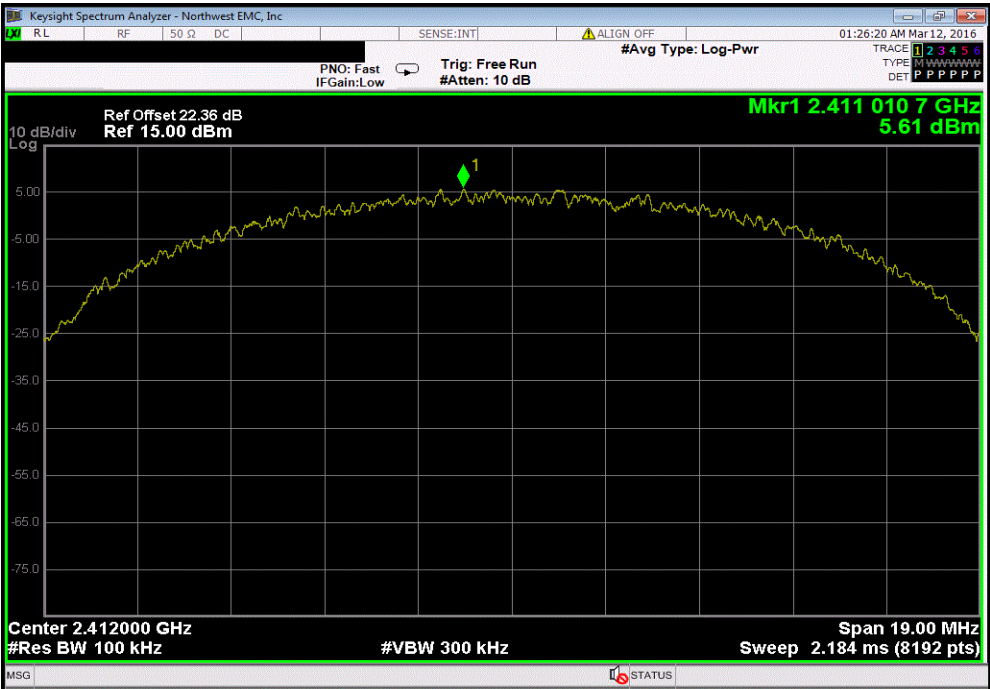


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(b) 1 Mbps, High Channel 11, 2462 MHz |                 |               |        |  |
|-------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                         | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                       | -59.75          | -20           | Pass   |  |

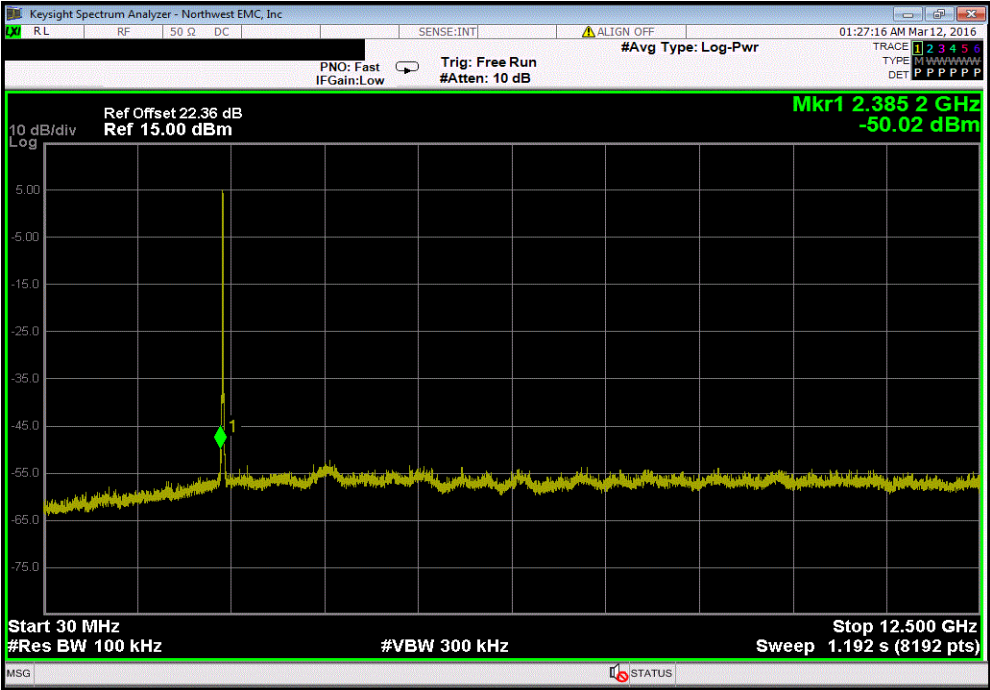


| 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz |                 |               |        |  |
|------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                        | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| Fundamental                                                            | N/A             | N/A           | N/A    |  |

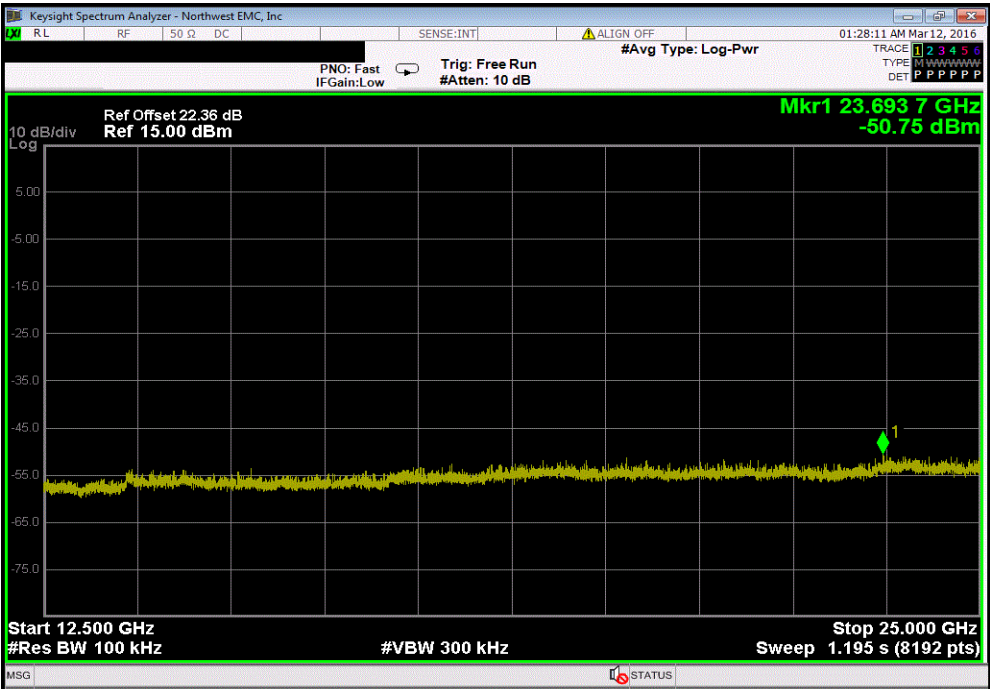


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz |                 |               |        |  |
|------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                        | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                      | -55.63          | -20           | Pass   |  |

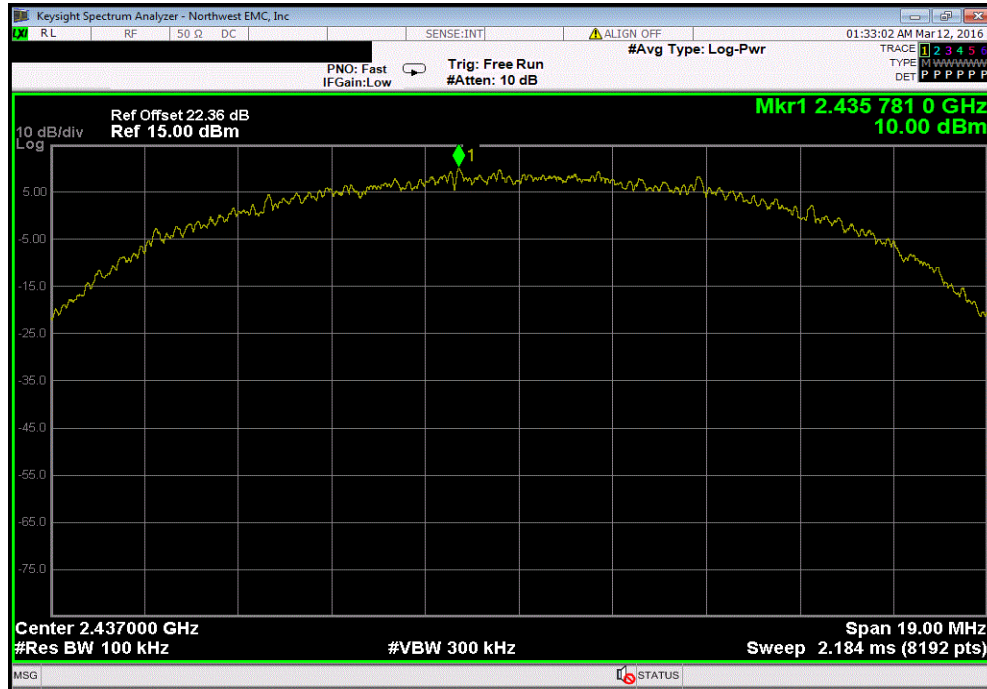


| 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Low Channel 1, 2412 MHz |                 |               |        |  |
|------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                        | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                      | -56.37          | -20           | Pass   |  |

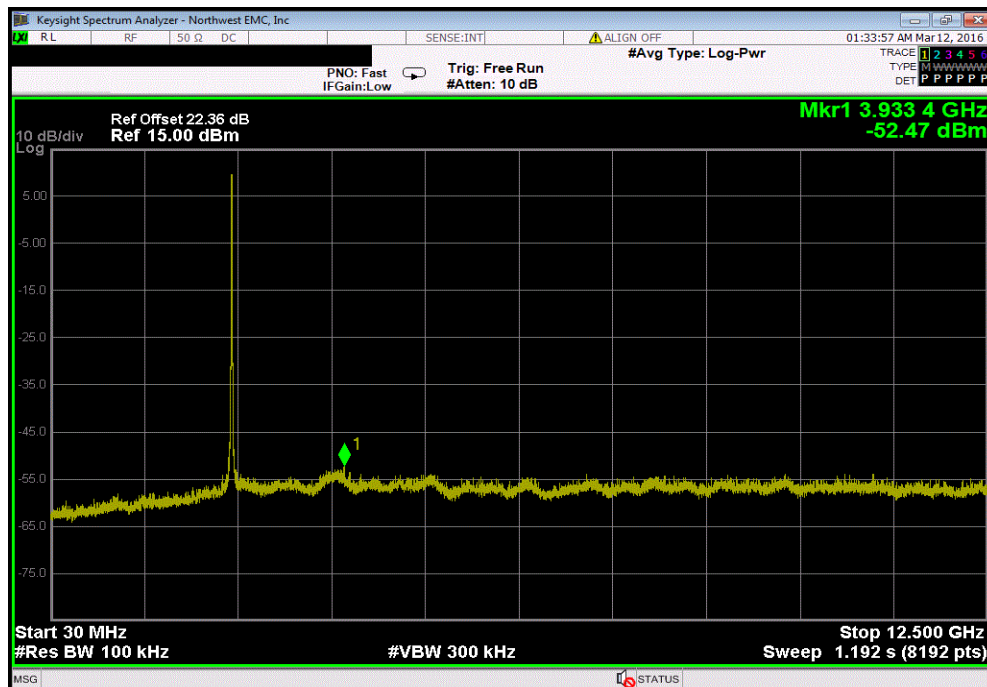


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz |  |                 |  |               |        |  |
|------------------------------------------------------------------------|--|-----------------|--|---------------|--------|--|
| Frequency Range                                                        |  | Max Value (dBc) |  | Limit ≤ (dBc) | Result |  |
| Fundamental                                                            |  | N/A             |  | N/A           | N/A    |  |

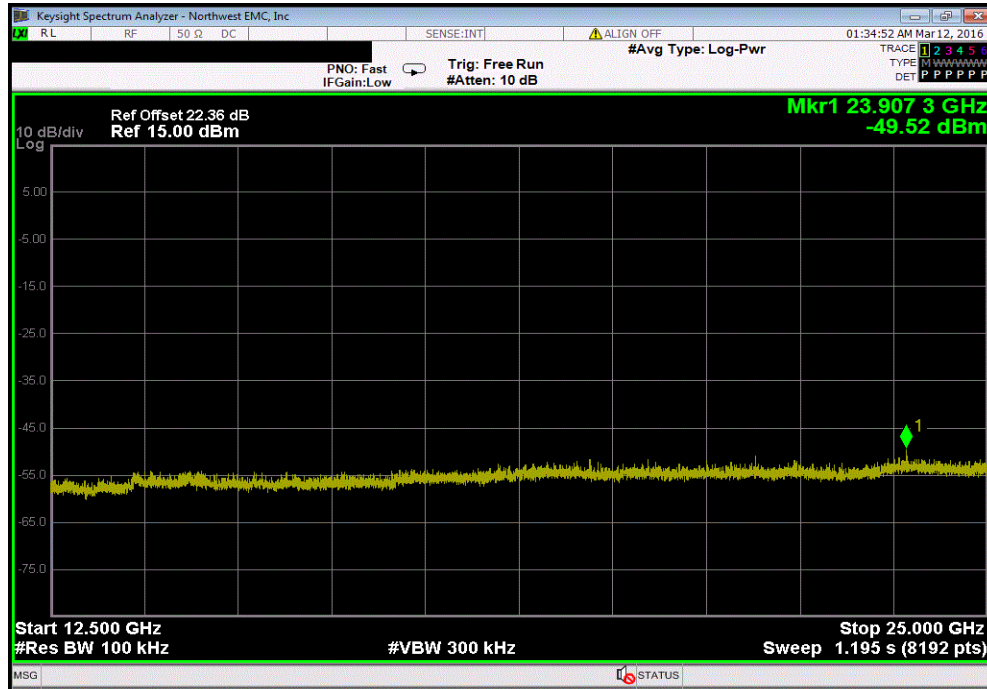


| 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz |  |                 |  |               |        |  |
|------------------------------------------------------------------------|--|-----------------|--|---------------|--------|--|
| Frequency Range                                                        |  | Max Value (dBc) |  | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                      |  | -62.47          |  | -20           | Pass   |  |



# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, Mid Channel 6, 2437 MHz |                 |               |        |  |
|------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                        | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                      | -59.52          | -20           | Pass   |  |

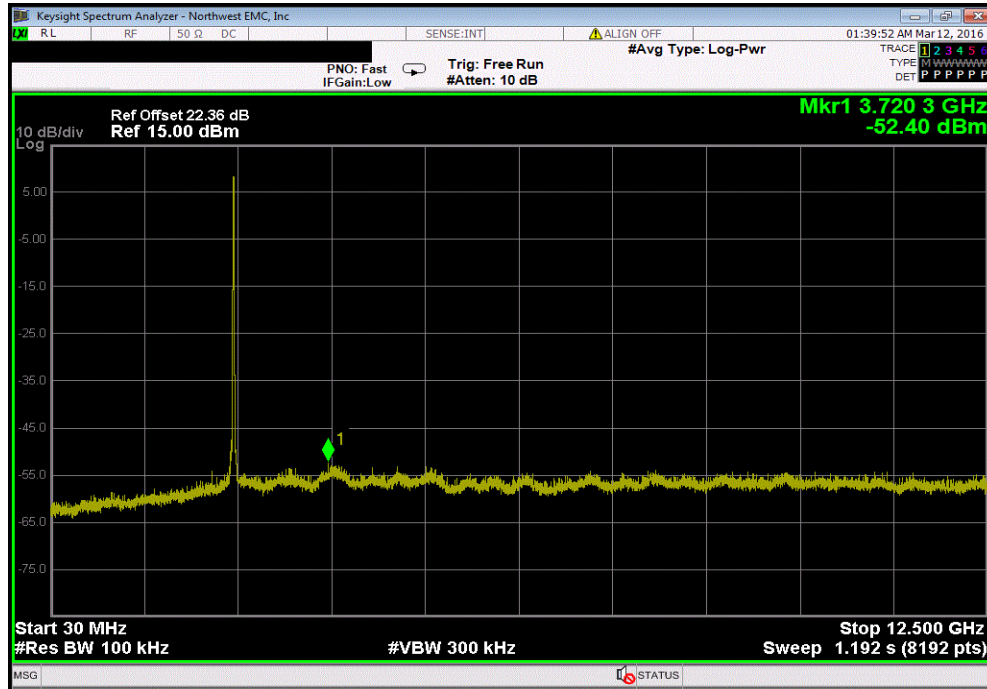


| 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz |                 |               |        |  |
|--------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                          | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| Fundamental                                                              | N/A             | N/A           | N/A    |  |

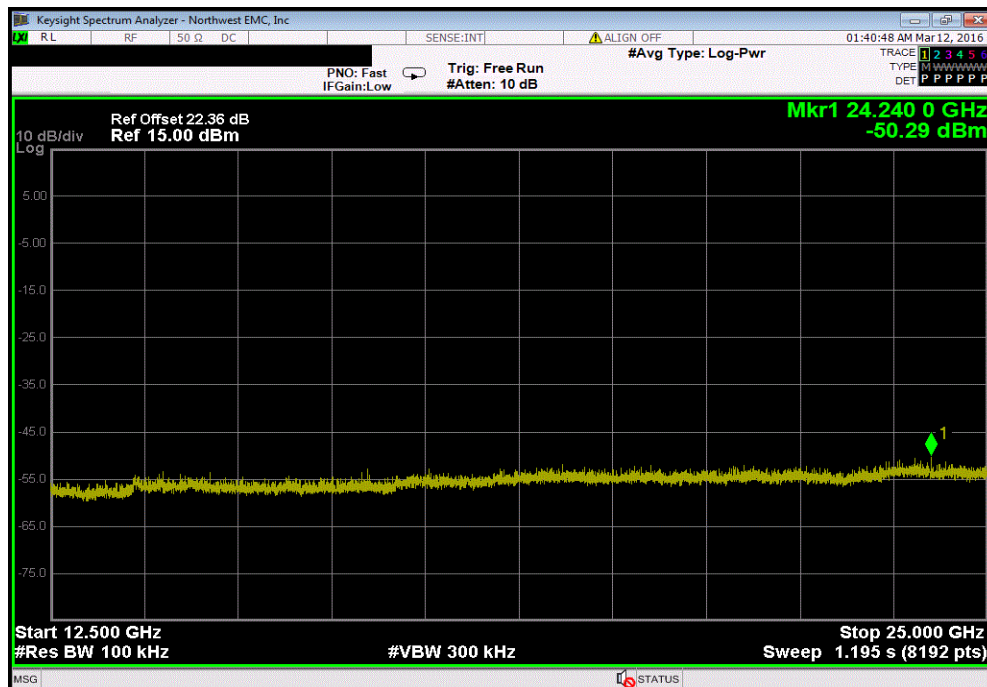


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz |                 |               |        |  |
|--------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                          | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                        | -62.02          | -20           | Pass   |  |

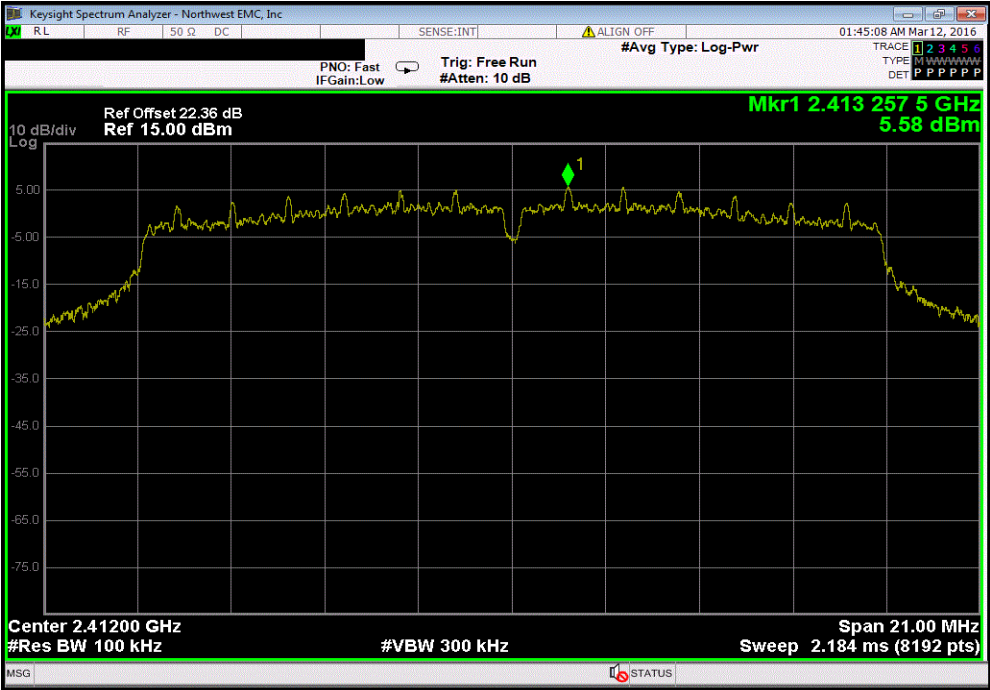


| 2400 MHz - 2483.5 MHz Band, 802.11(b) 11 Mbps, High Channel 11, 2462 MHz |                 |               |        |  |
|--------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                          | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                        | -59.91          | -20           | Pass   |  |

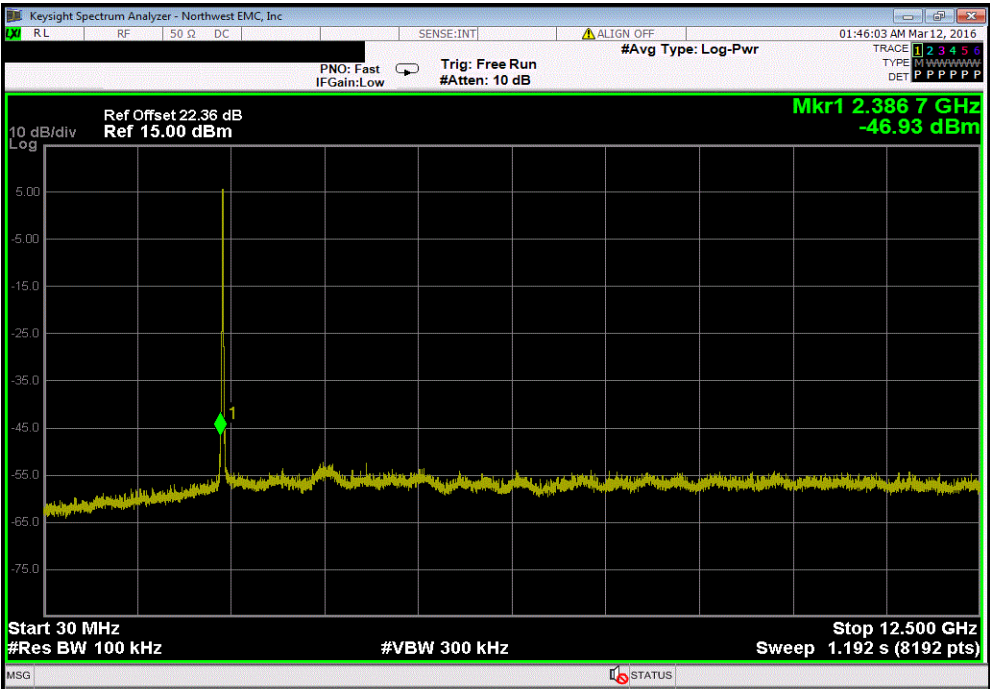


SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz |  |                 |  |         |        |  |
|-----------------------------------------------------------------------|--|-----------------|--|---------|--------|--|
| Frequency Range                                                       |  | Max Value (dBc) |  | Limit   | Result |  |
|                                                                       |  |                 |  | ≤ (dBc) |        |  |
| Fundamental                                                           |  | N/A             |  | N/A     | N/A    |  |

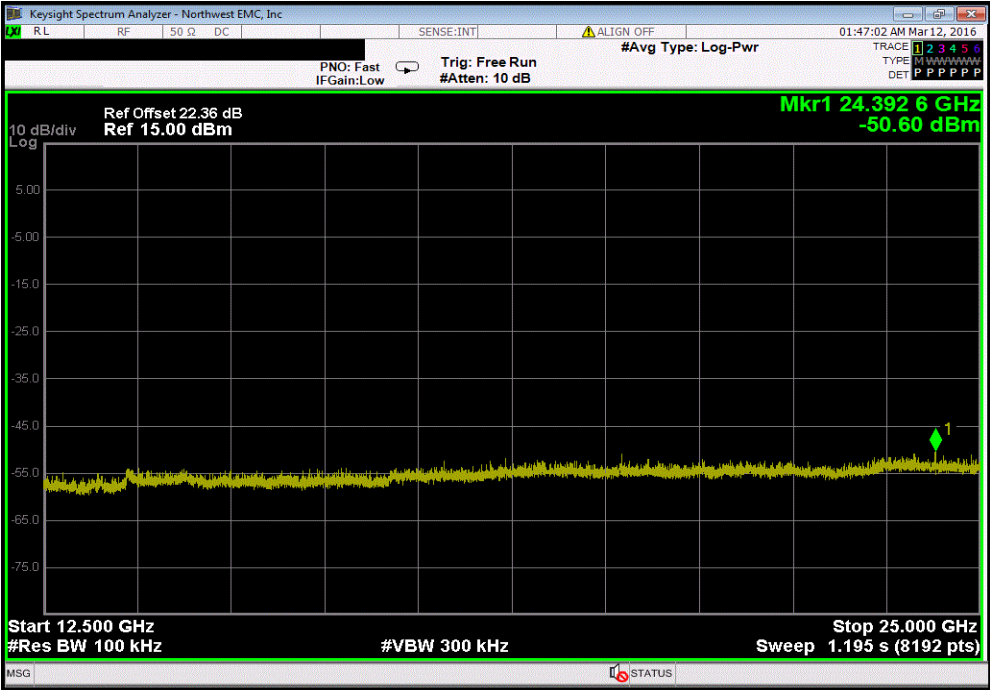


| 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz |  |                 |  |         |        |  |
|-----------------------------------------------------------------------|--|-----------------|--|---------|--------|--|
| Frequency Range                                                       |  | Max Value (dBc) |  | Limit   | Result |  |
|                                                                       |  |                 |  | ≤ (dBc) |        |  |
| 30 MHz - 12.5 GHz                                                     |  | -52.51          |  | -20     | Pass   |  |

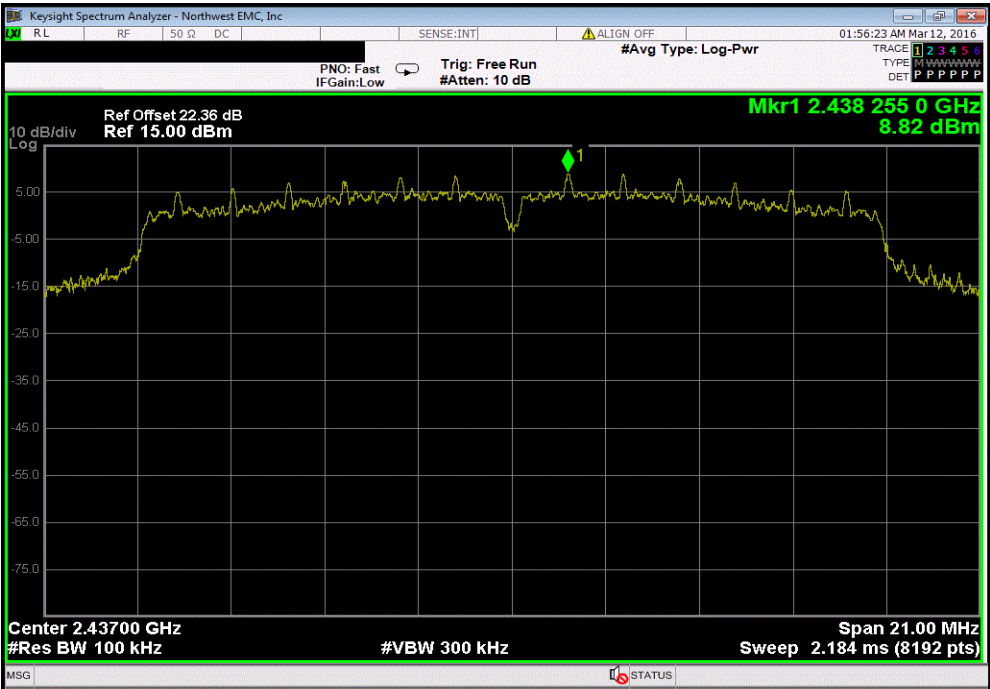


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Low Channel 1, 2412 MHz |                 |               |        |  |
|-----------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                       | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                     | -56.18          | -20           | Pass   |  |

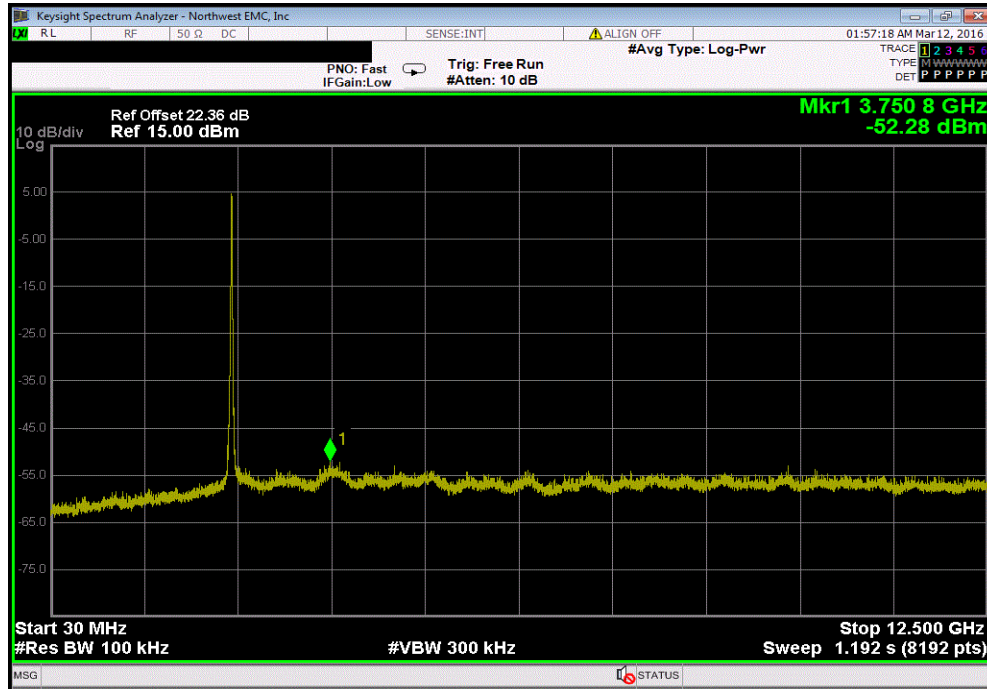


| 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz |                 |               |        |  |
|-----------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                       | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| Fundamental                                                           | N/A             | N/A           | N/A    |  |

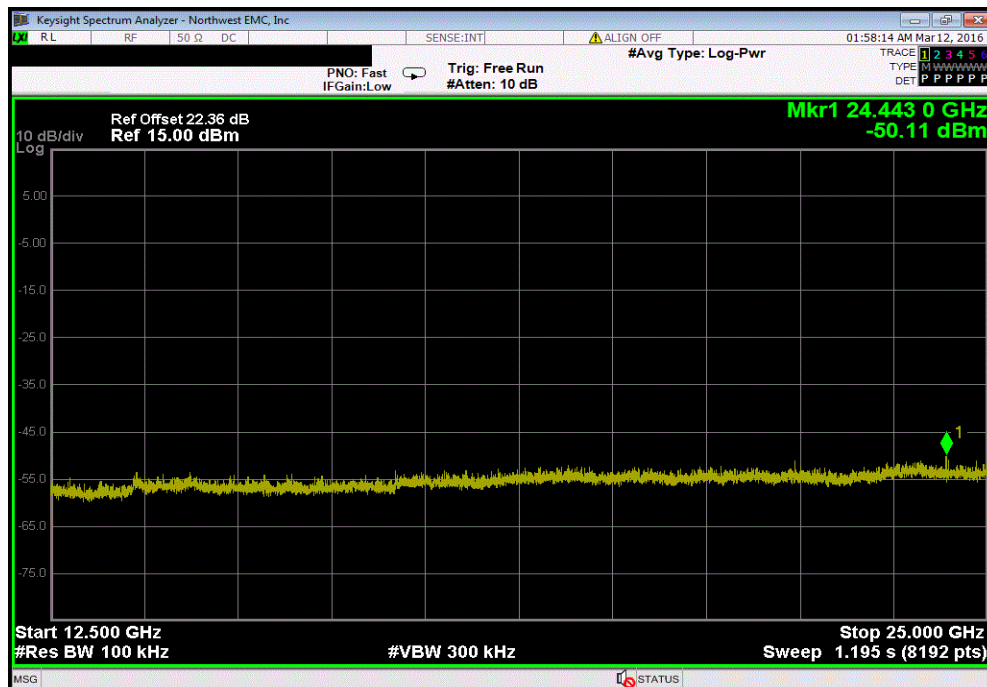


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz |                 |               |        |  |
|-----------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                       | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                     | -61.1           | -20           | Pass   |  |

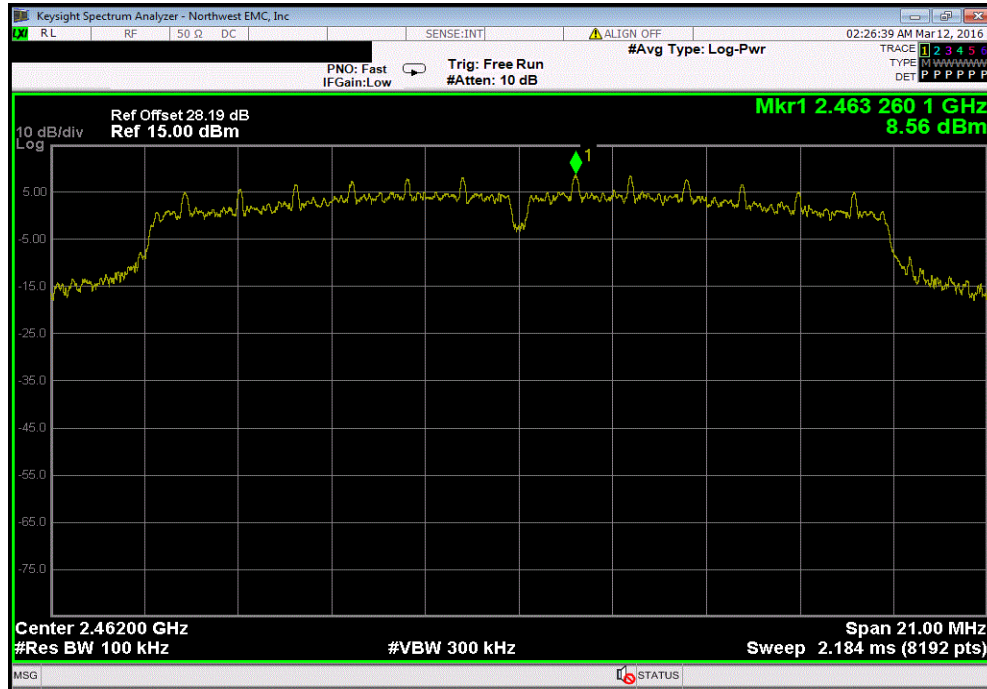


| 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, Mid Channel 6, 2437 MHz |                 |               |        |  |
|-----------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                       | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                     | -58.93          | -20           | Pass   |  |

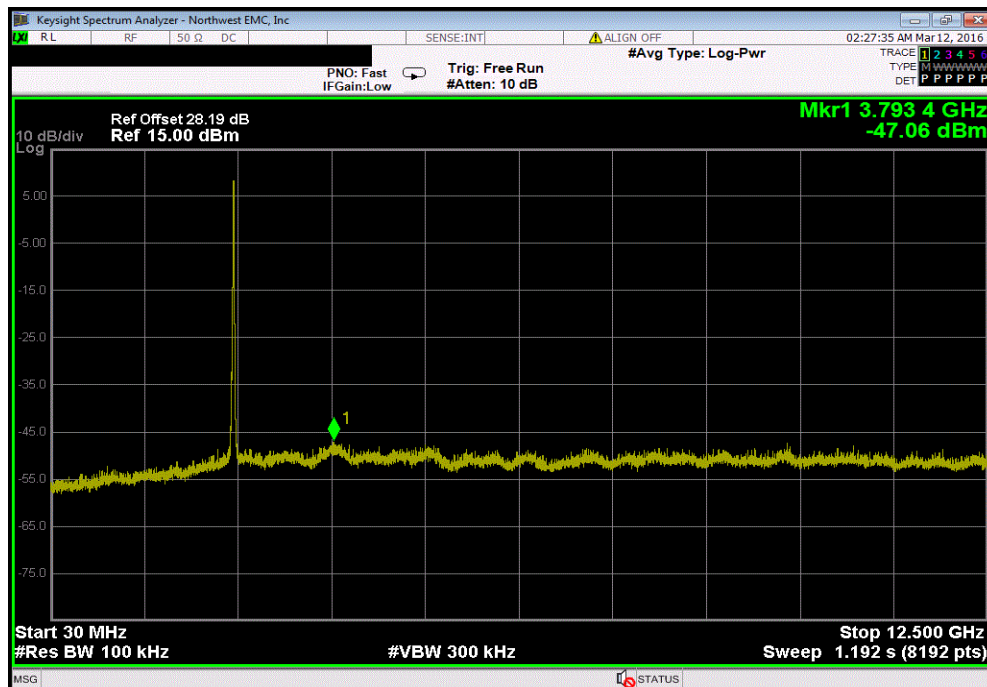


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz |  |                 |  |               |        |  |
|-------------------------------------------------------------------------|--|-----------------|--|---------------|--------|--|
| Frequency Range                                                         |  | Max Value (dBc) |  | Limit ≤ (dBc) | Result |  |
| Fundamental                                                             |  | N/A             |  | N/A           | N/A    |  |

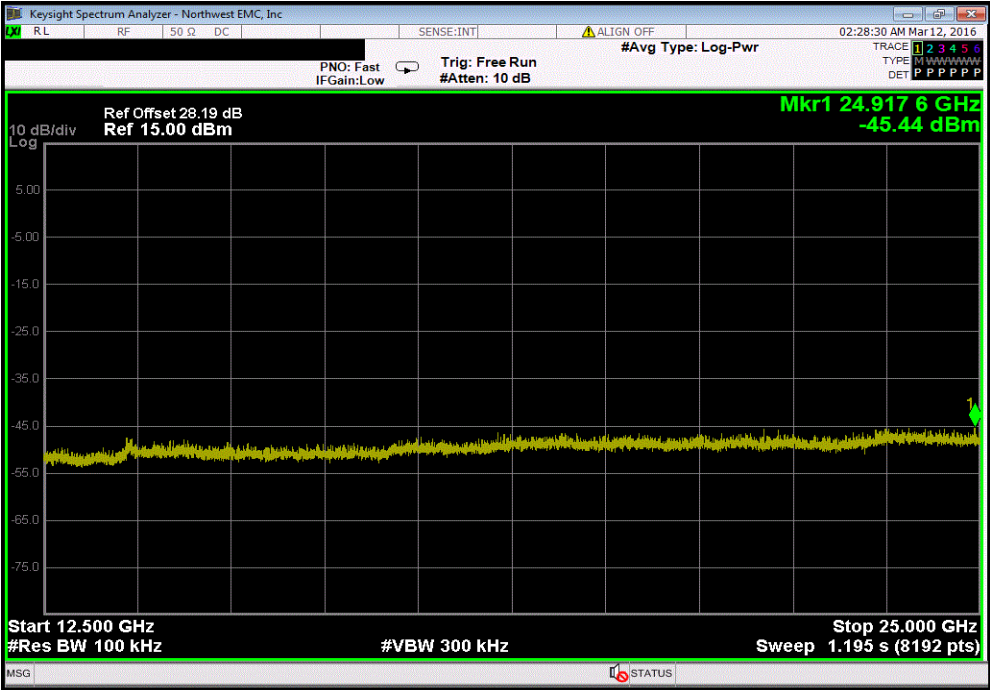


| 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz |  |                 |  |               |        |  |
|-------------------------------------------------------------------------|--|-----------------|--|---------------|--------|--|
| Frequency Range                                                         |  | Max Value (dBc) |  | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                       |  | -55.62          |  | -20           | Pass   |  |

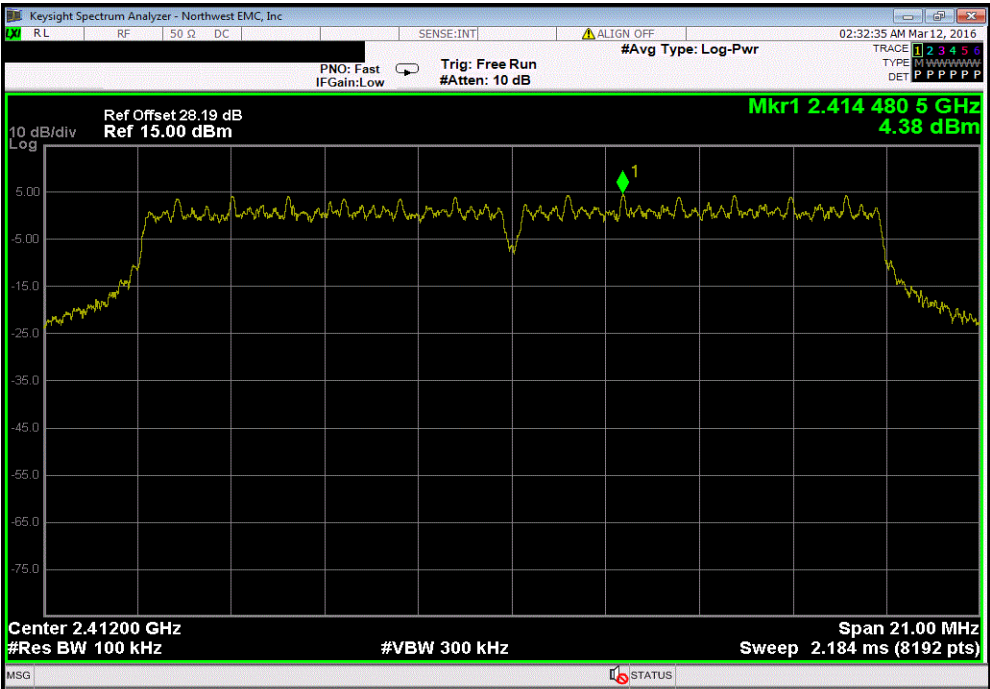


SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(g) 6 Mbps, High Channel 11, 2462 MHz |                 |               |        |  |
|-------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                         | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                       | -54             | -20           | Pass   |  |

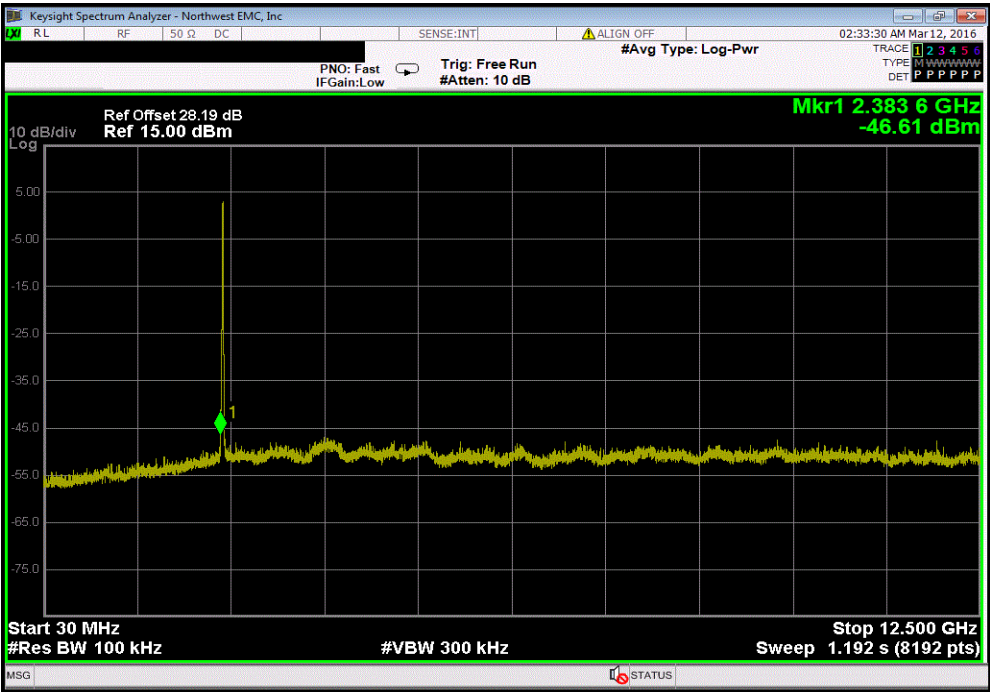


| 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz |                 |               |        |  |
|------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                        | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| Fundamental                                                            | N/A             | N/A           | N/A    |  |

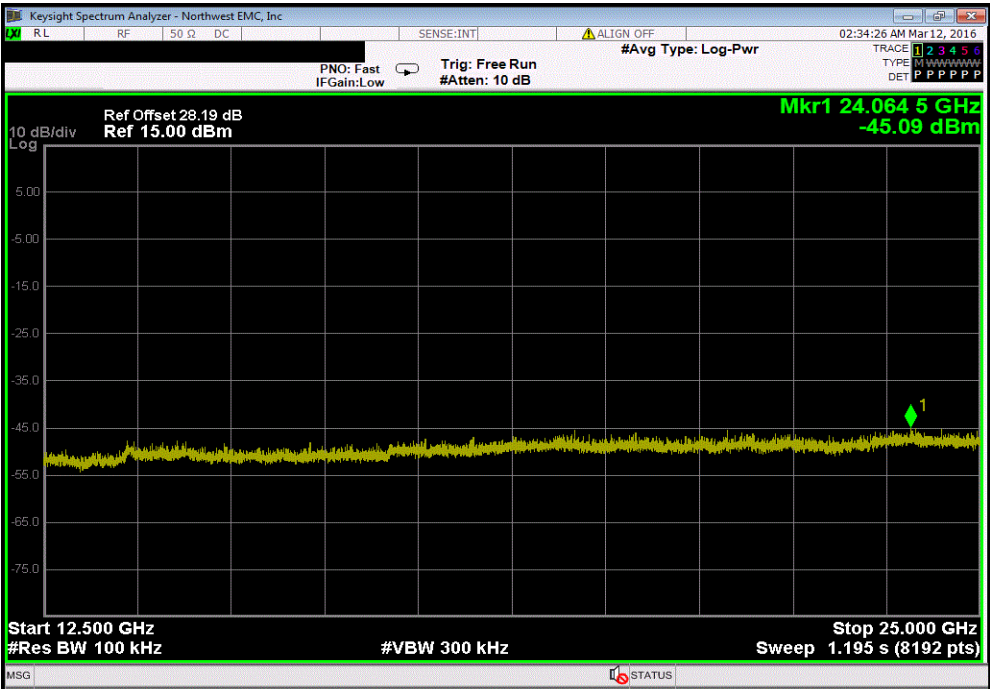


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz |                 |               |        |  |
|------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                        | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                      | -50.99          | -20           | Pass   |  |

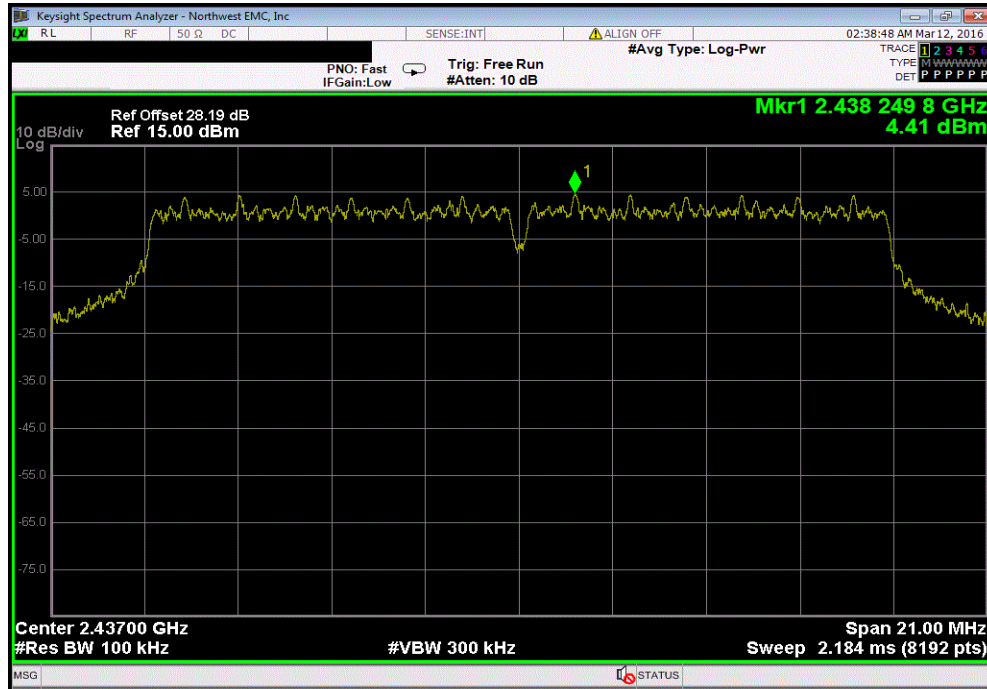


| 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Low Channel 1, 2412 MHz |                 |               |        |  |
|------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                        | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                      | -49.47          | -20           | Pass   |  |

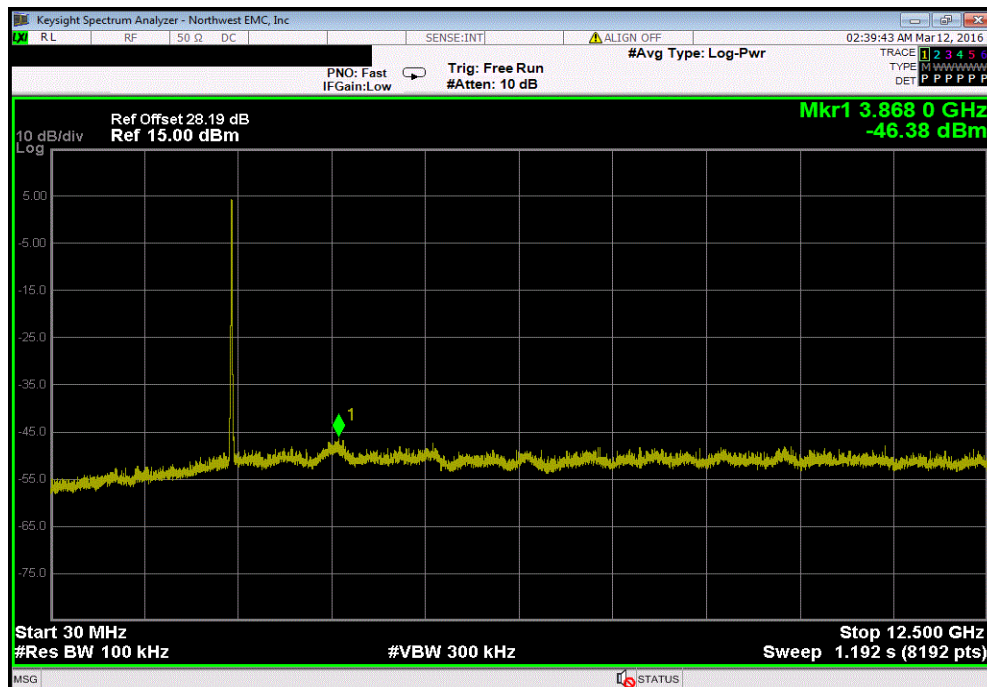


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz |  |                 |  |               |        |  |
|------------------------------------------------------------------------|--|-----------------|--|---------------|--------|--|
| Frequency Range                                                        |  | Max Value (dBc) |  | Limit ≤ (dBc) | Result |  |
| Fundamental                                                            |  | N/A             |  | N/A           | N/A    |  |

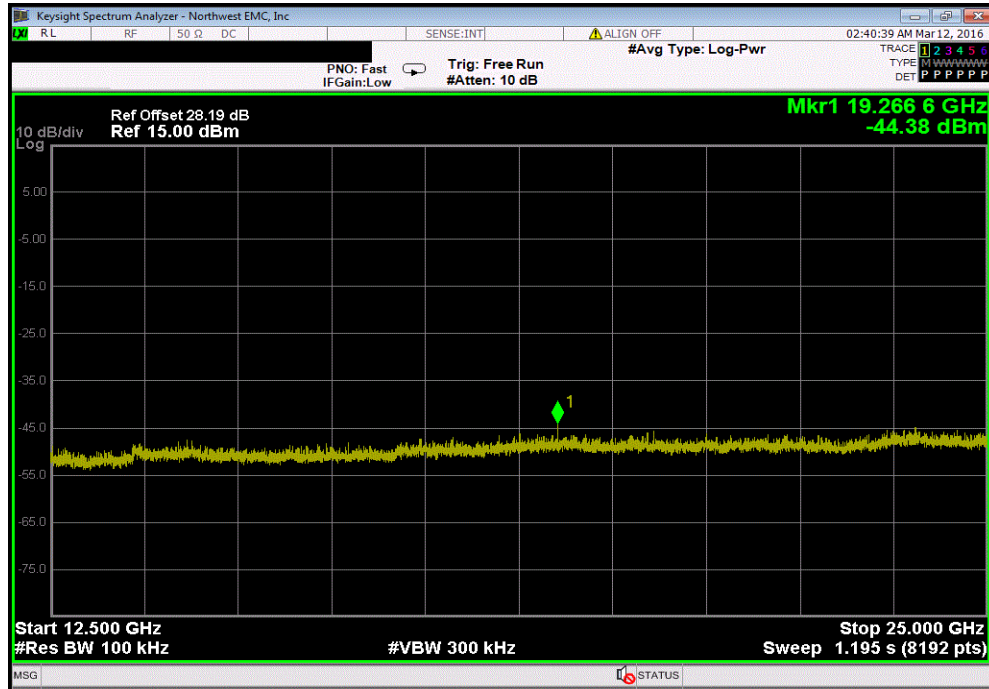


| 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz |  |                 |  |               |        |  |
|------------------------------------------------------------------------|--|-----------------|--|---------------|--------|--|
| Frequency Range                                                        |  | Max Value (dBc) |  | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                      |  | -50.79          |  | -20           | Pass   |  |

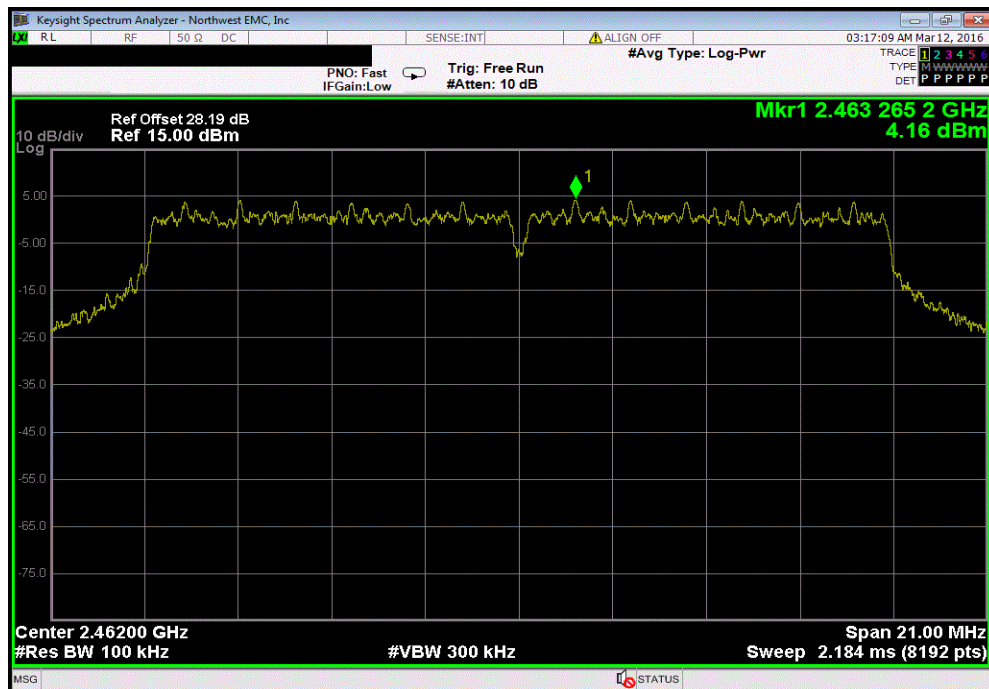


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, Mid Channel 6, 2437 MHz |                 |               |        |  |
|------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                        | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                      | -48.79          | -20           | Pass   |  |

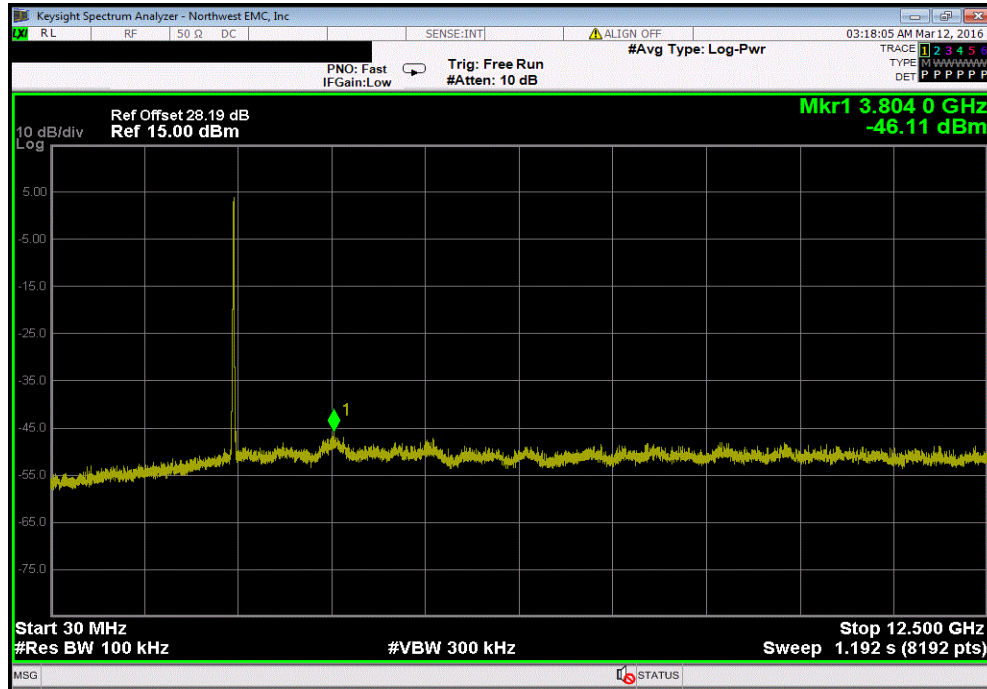


| 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz |                 |               |        |  |
|--------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                          | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| Fundamental                                                              | N/A             | N/A           | N/A    |  |

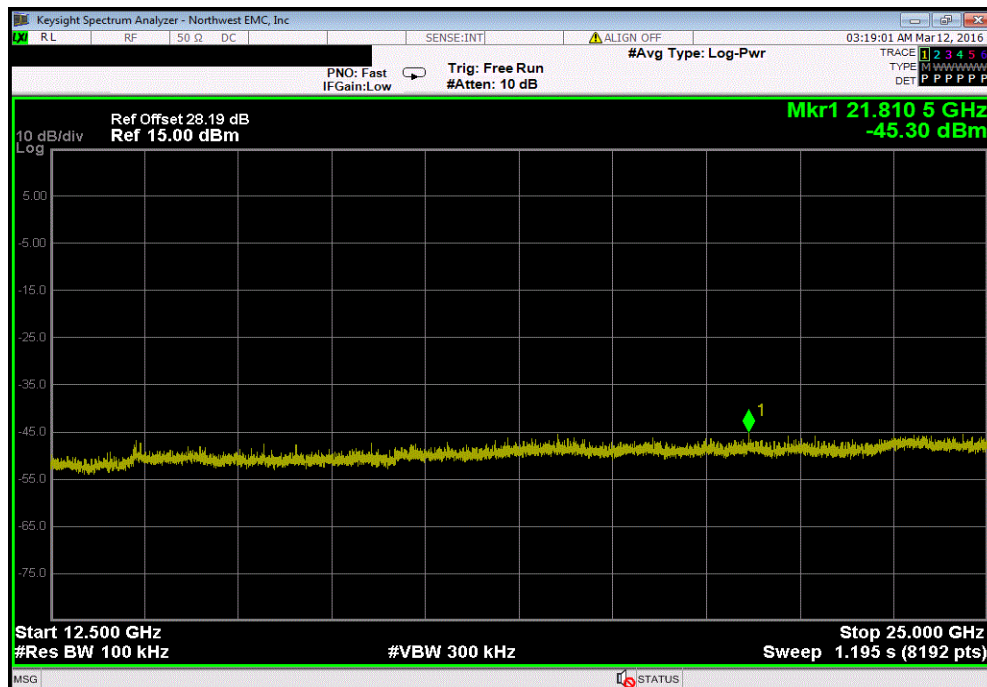


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz |                 |               |        |  |
|--------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                          | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                        | -50.27          | -20           | Pass   |  |

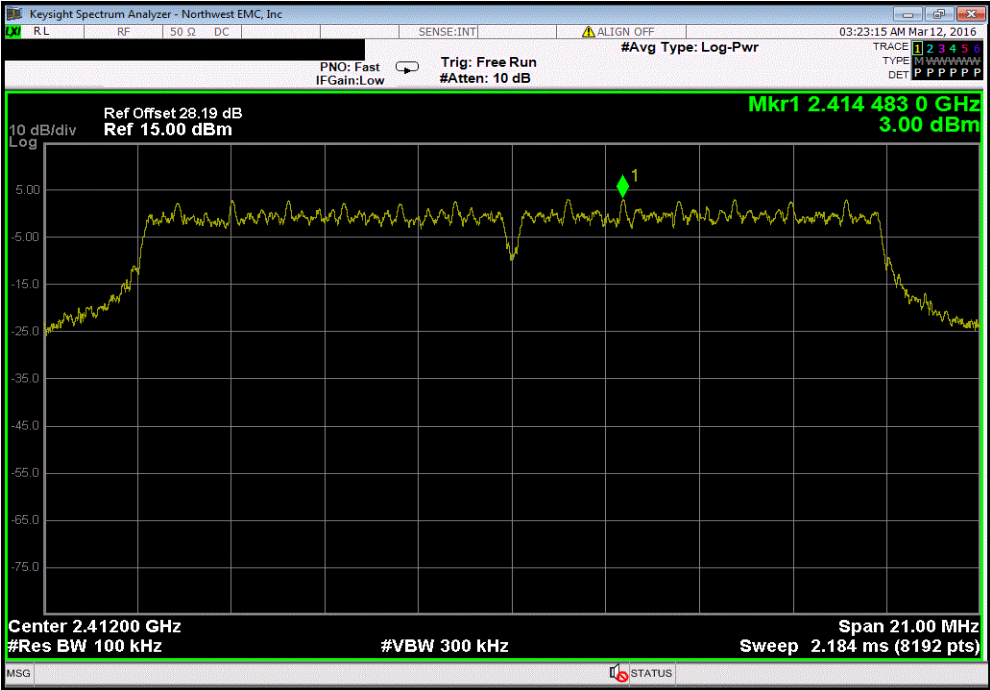


| 2400 MHz - 2483.5 MHz Band, 802.11(g) 36 Mbps, High Channel 11, 2462 MHz |                 |               |        |  |
|--------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                          | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                        | -49.47          | -20           | Pass   |  |

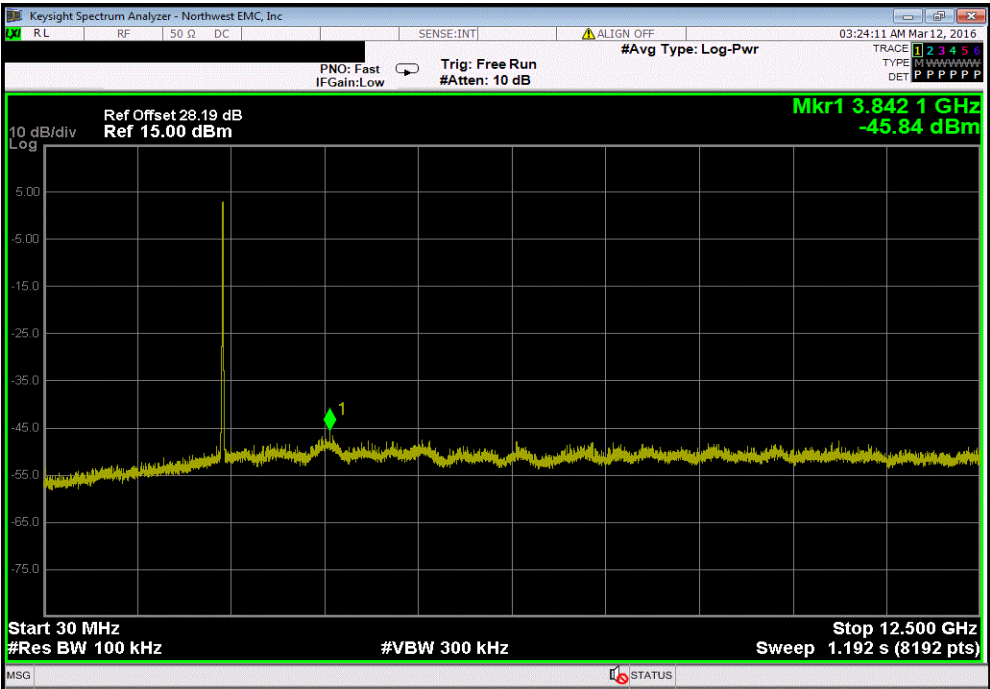


SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz |  |                 |               |        |  |  |
|------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                        |  | Max Value (dBc) | Limit ≤ (dBc) | Result |  |  |
| Fundamental                                                            |  | N/A             | N/A           | N/A    |  |  |

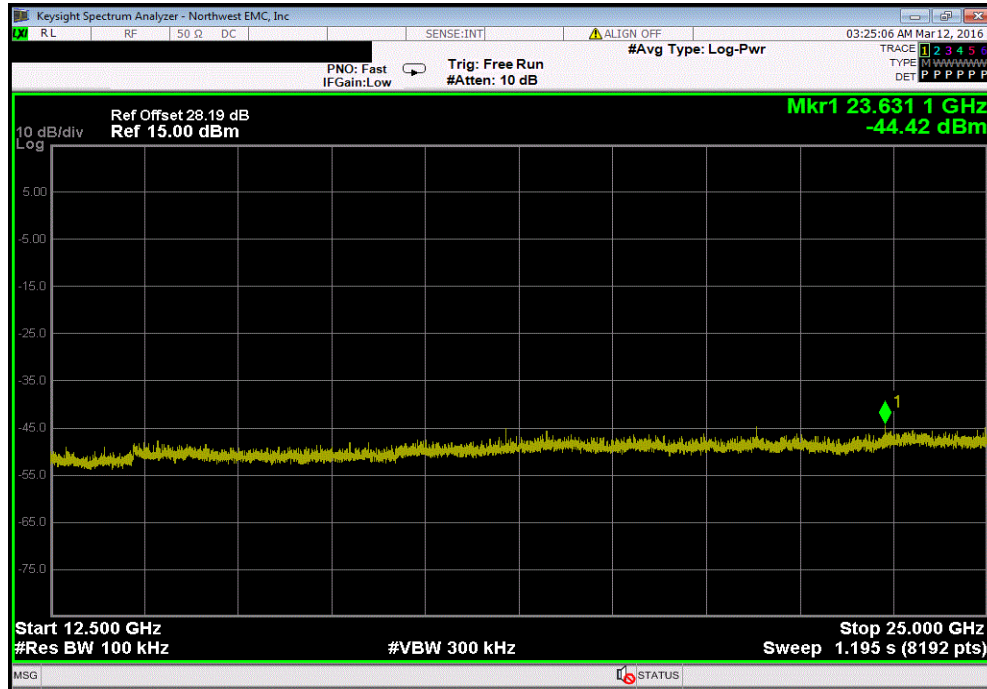


| 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz |  |                 |               |        |  |  |
|------------------------------------------------------------------------|--|-----------------|---------------|--------|--|--|
| Frequency Range                                                        |  | Max Value (dBc) | Limit ≤ (dBc) | Result |  |  |
| 30 MHz - 12.5 GHz                                                      |  | -48.84          | -20           | Pass   |  |  |

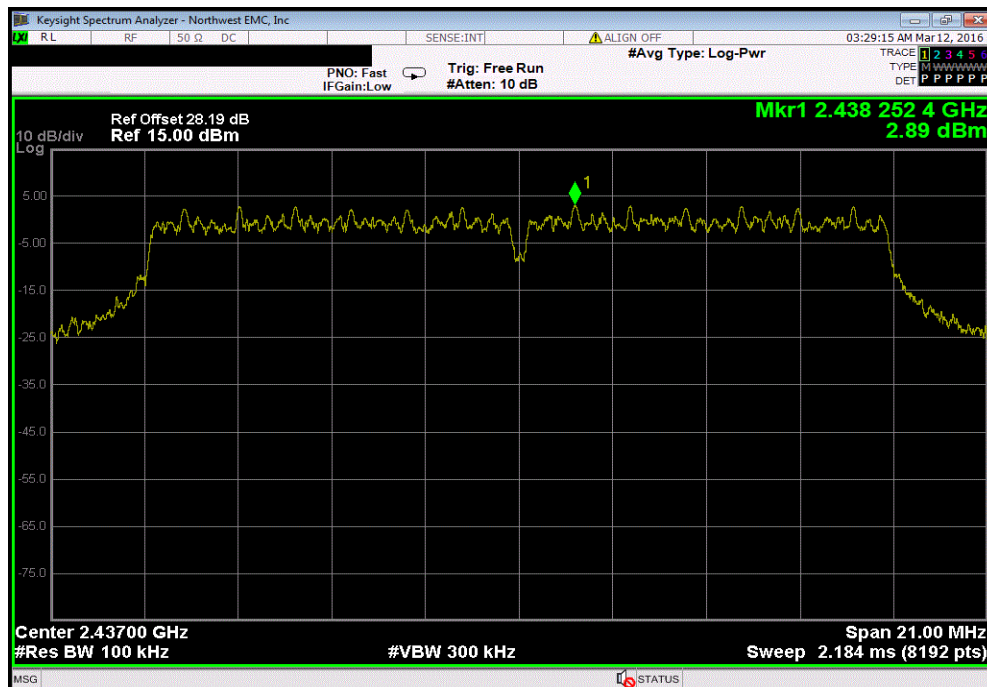


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Low Channel 1, 2412 MHz |                 |               |        |  |
|------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                        | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                      | -47.42          | -20           | Pass   |  |

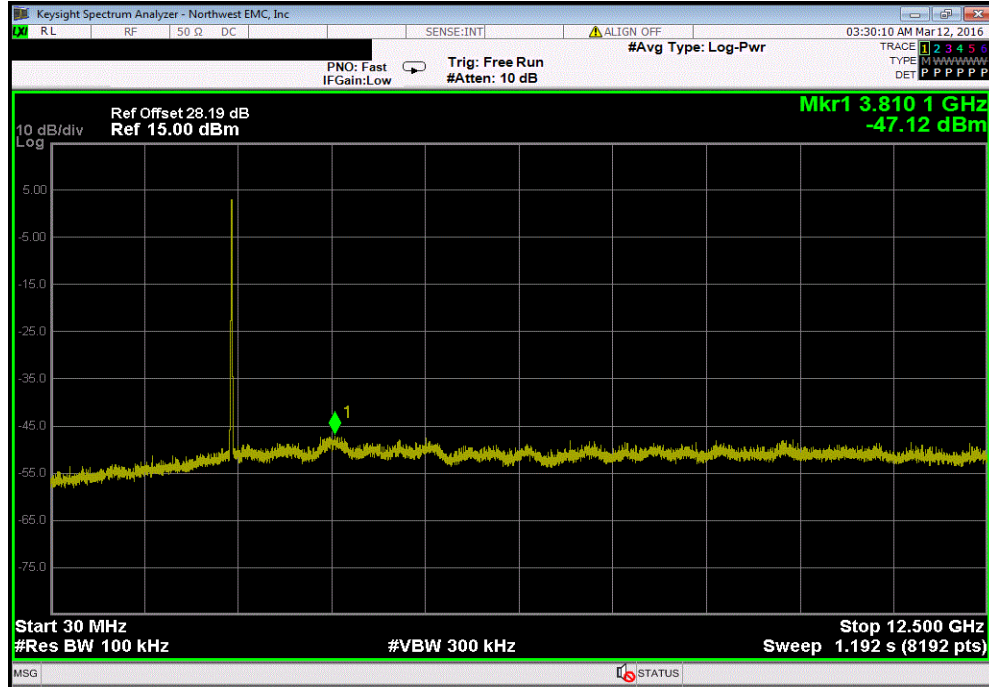


| 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz |                 |               |        |  |
|------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                        | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| Fundamental                                                            | N/A             | N/A           | N/A    |  |

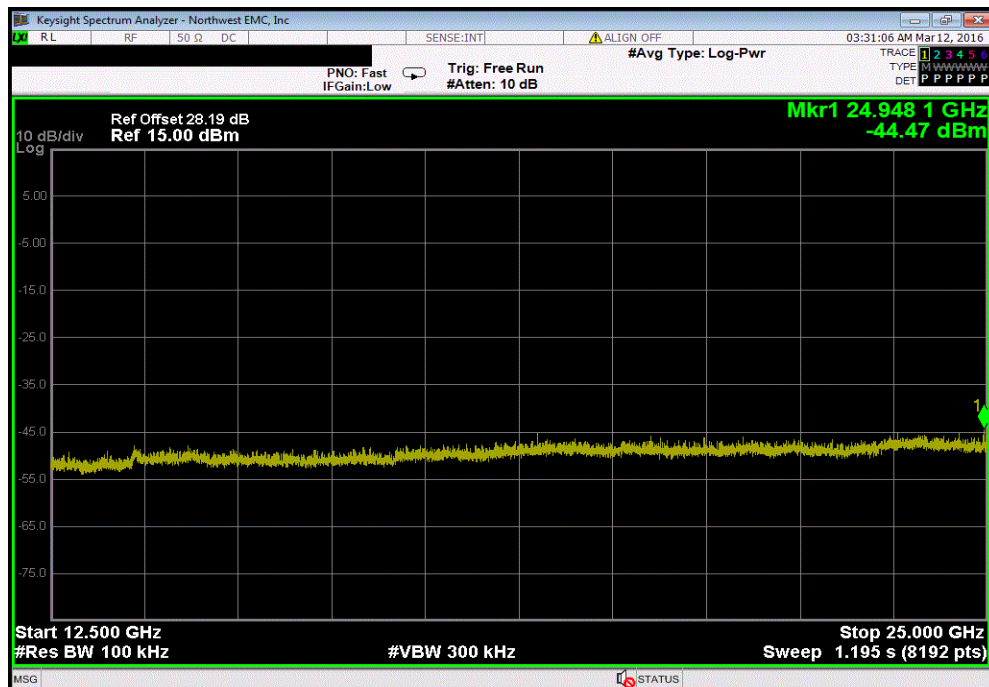


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz |                 |               |        |  |
|------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                        | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                      | -50.01          | -20           | Pass   |  |

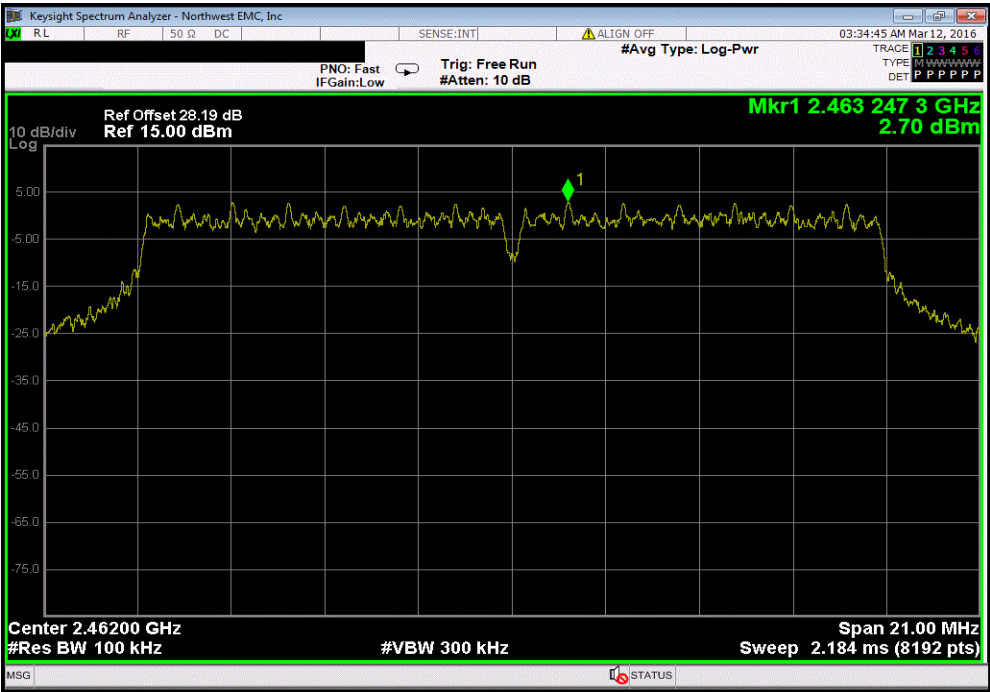


| 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, Mid Channel 6, 2437 MHz |                 |               |        |  |
|------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                        | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                      | -47.36          | -20           | Pass   |  |

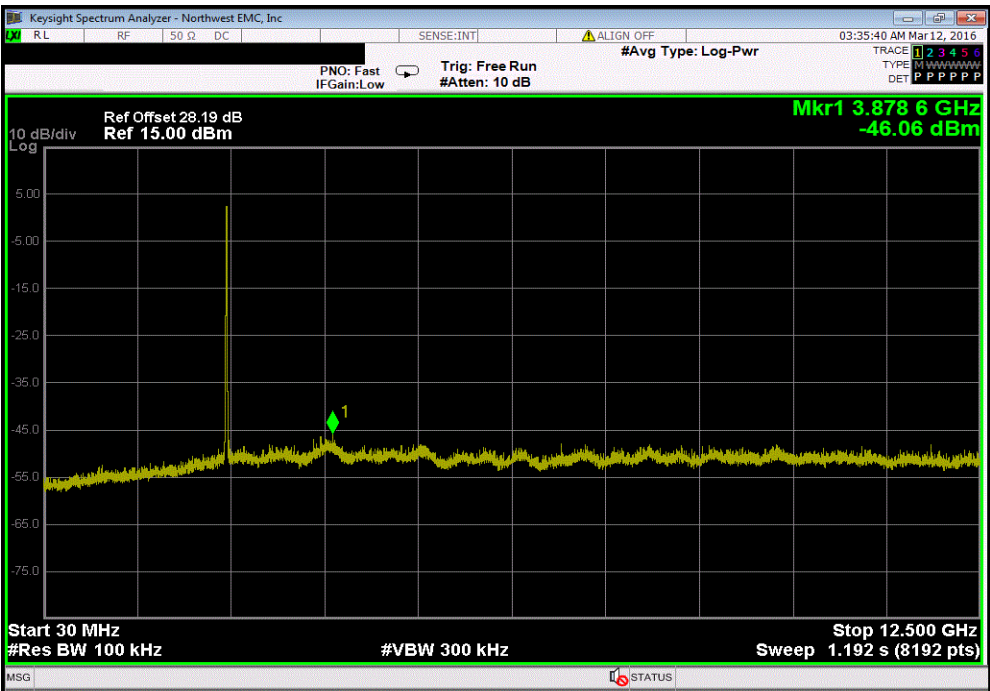


SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz |  |                 |  |               |        |  |
|--------------------------------------------------------------------------|--|-----------------|--|---------------|--------|--|
| Frequency Range                                                          |  | Max Value (dBc) |  | Limit ≤ (dBc) | Result |  |
| Fundamental                                                              |  | N/A             |  | N/A           | N/A    |  |

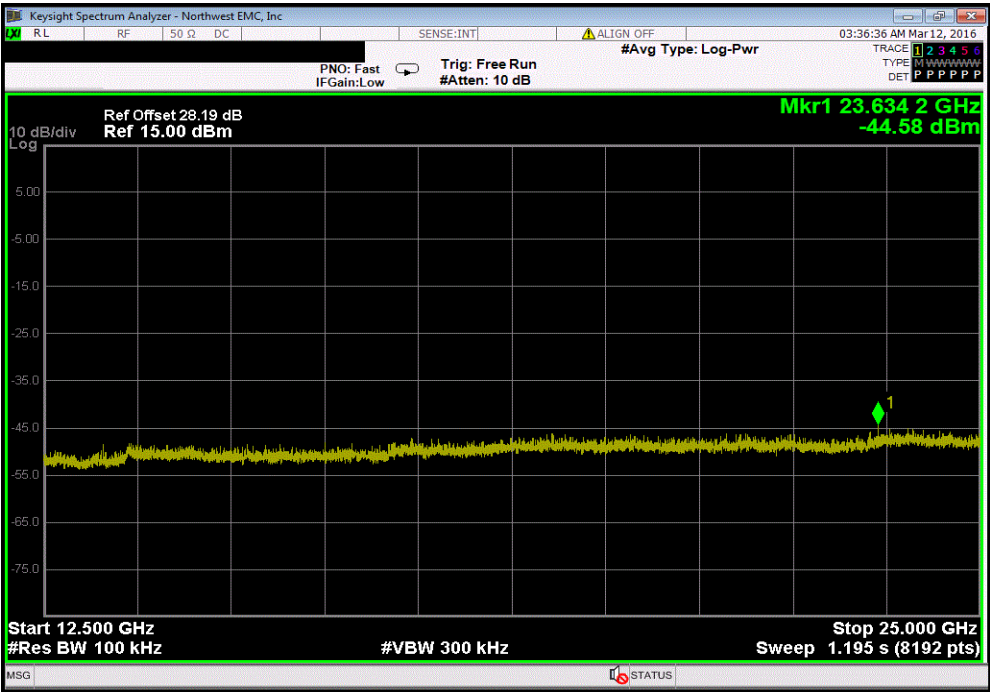


| 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz |  |                 |  |               |        |  |
|--------------------------------------------------------------------------|--|-----------------|--|---------------|--------|--|
| Frequency Range                                                          |  | Max Value (dBc) |  | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                        |  | -48.77          |  | -20           | Pass   |  |

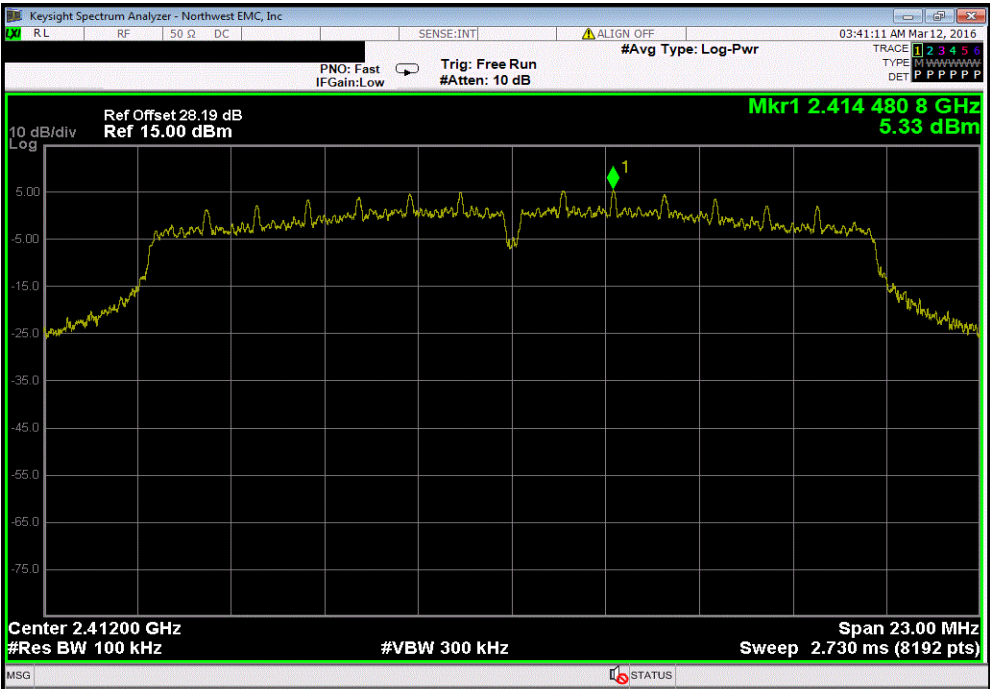


SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(g) 54 Mbps, High Channel 11, 2462 MHz |                 |               |        |  |
|--------------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                          | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                        | -47.29          | -20           | Pass   |  |

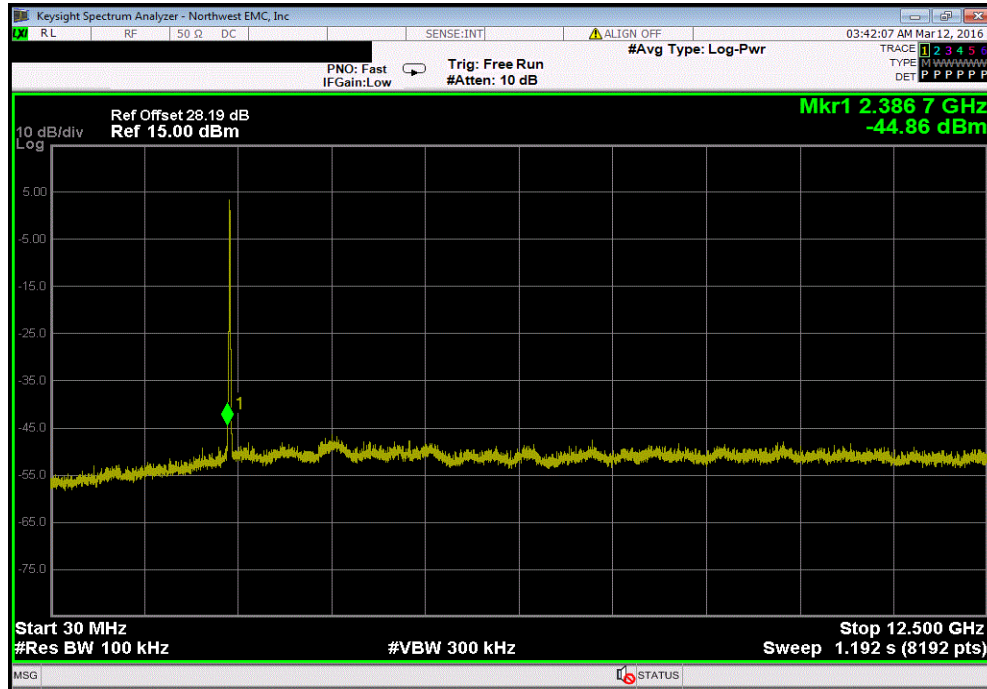


| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz |                 |               |        |  |
|---------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                     | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| Fundamental                                                         | N/A             | N/A           | N/A    |  |

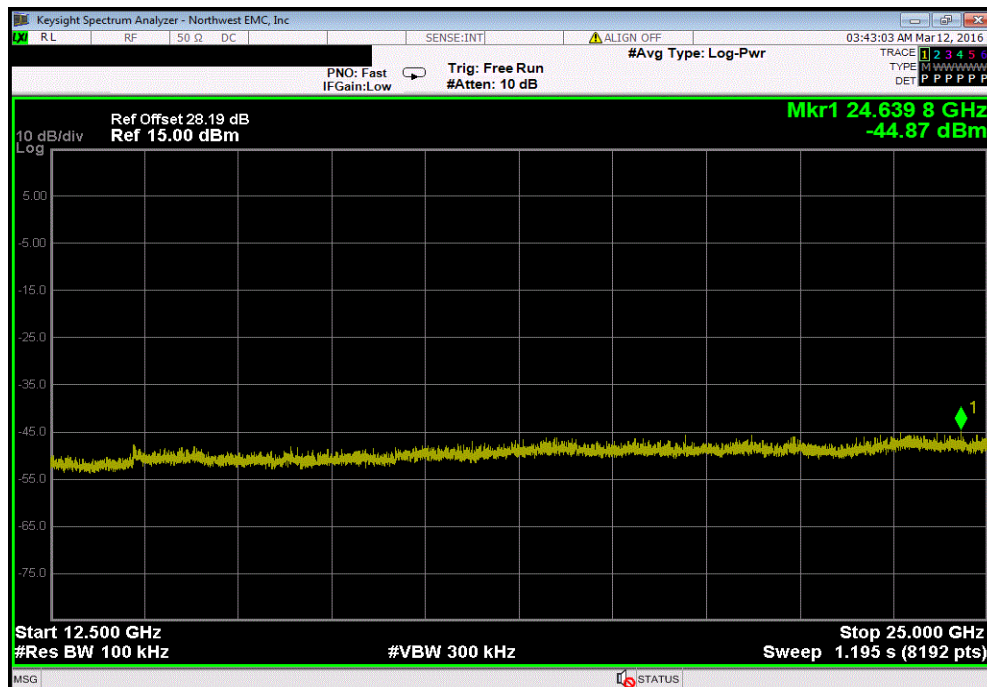


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz |                 |               |        |  |
|---------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                     | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                   | -50.19          | -20           | Pass   |  |

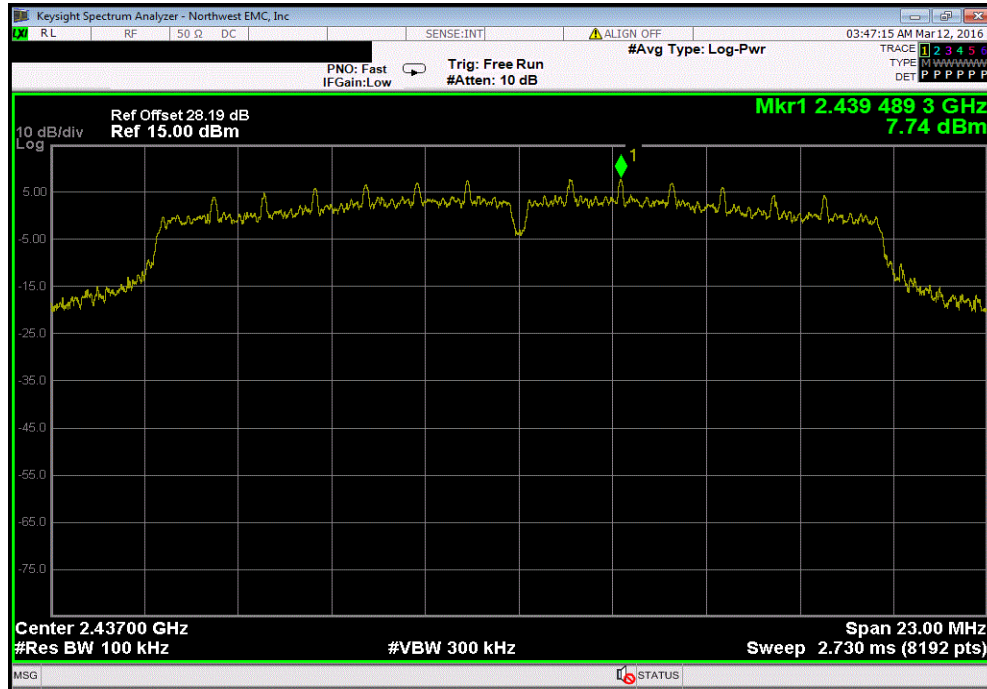


| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Low Channel 1, 2412 MHz |                 |               |        |  |
|---------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                     | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                   | -50.2           | -20           | Pass   |  |

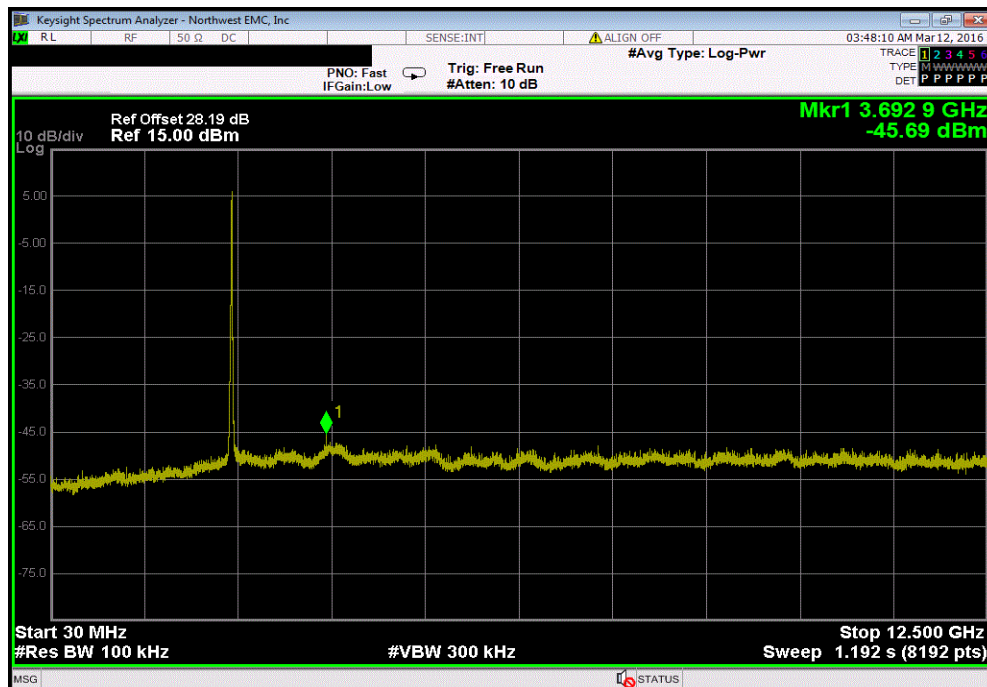


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz |  |                 |  |               |        |  |
|---------------------------------------------------------------------|--|-----------------|--|---------------|--------|--|
| Frequency Range                                                     |  | Max Value (dBc) |  | Limit ≤ (dBc) | Result |  |
| Fundamental                                                         |  | N/A             |  | N/A           | N/A    |  |

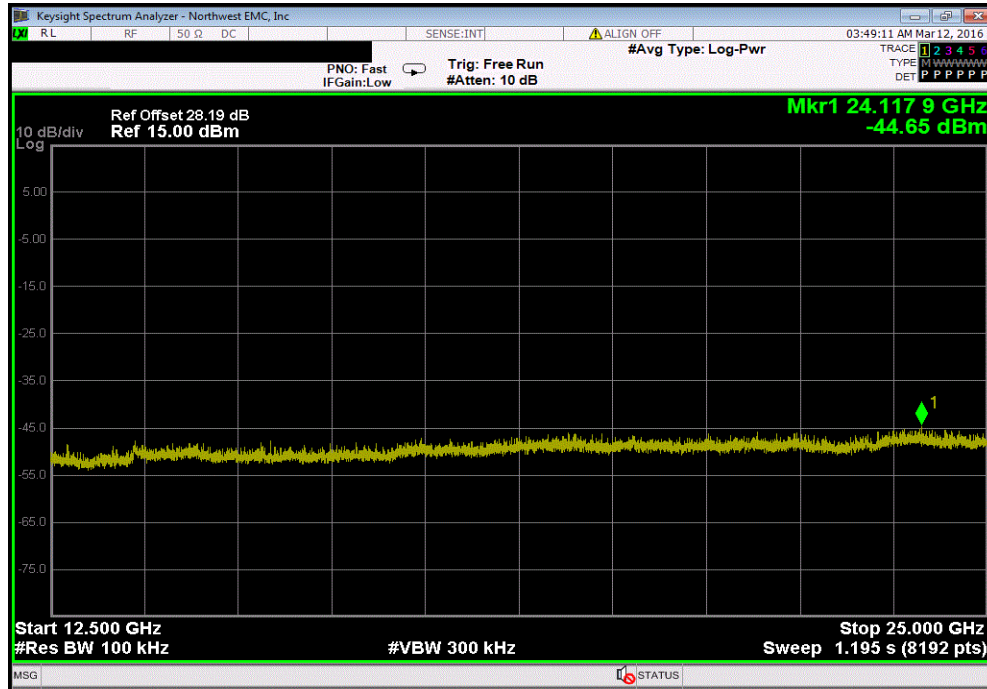


| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz |  |                 |  |               |        |  |
|---------------------------------------------------------------------|--|-----------------|--|---------------|--------|--|
| Frequency Range                                                     |  | Max Value (dBc) |  | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                   |  | -53.43          |  | -20           | Pass   |  |

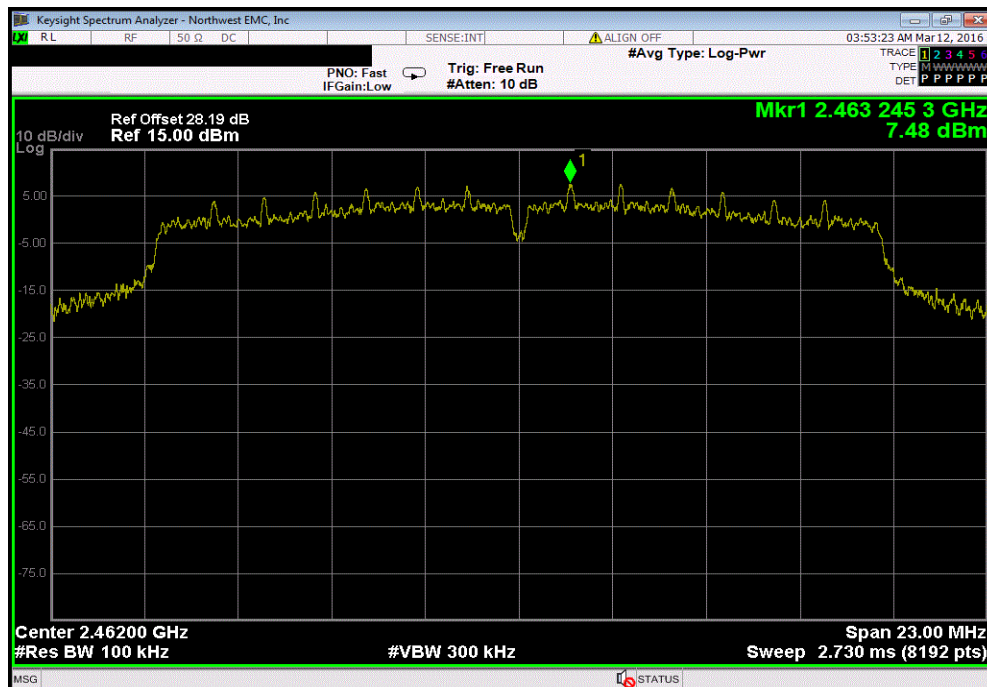


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, Mid Channel 6, 2437 MHz |                 |               |        |  |
|---------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                     | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                   | -52.39          | -20           | Pass   |  |

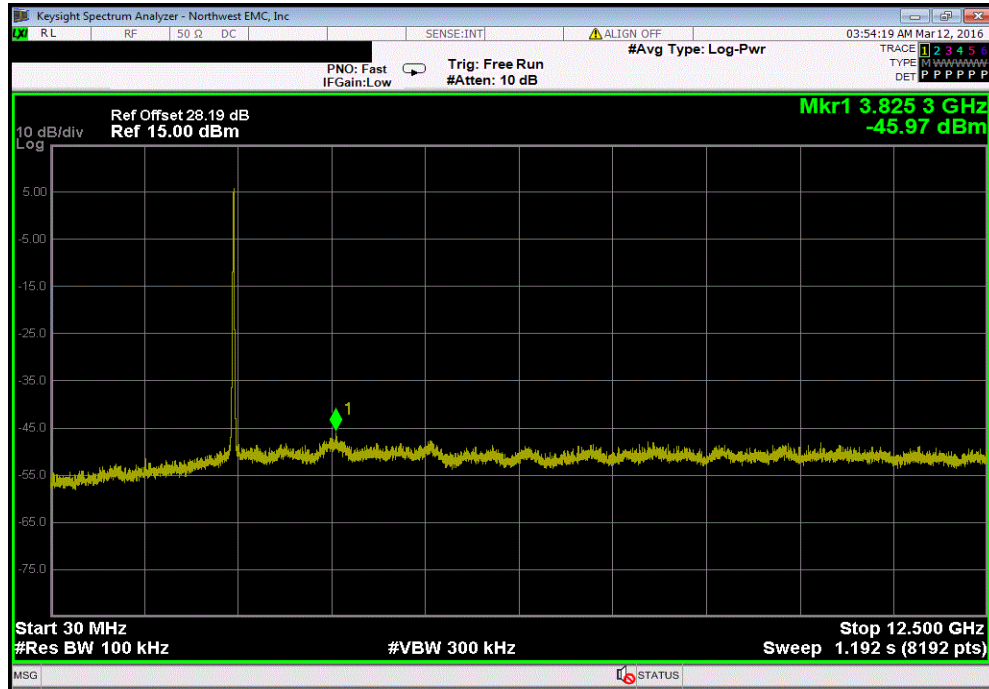


| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz |                 |               |        |  |
|-----------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                       | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| Fundamental                                                           | N/A             | N/A           | N/A    |  |

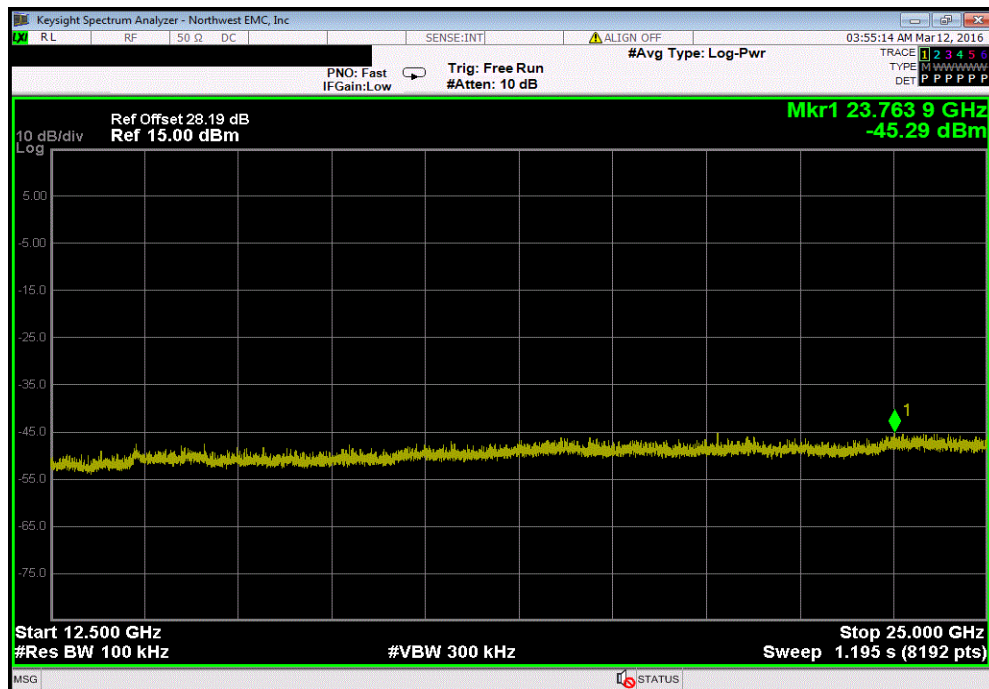


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz |                 |               |        |  |
|-----------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                       | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                     | -53.46          | -20           | Pass   |  |

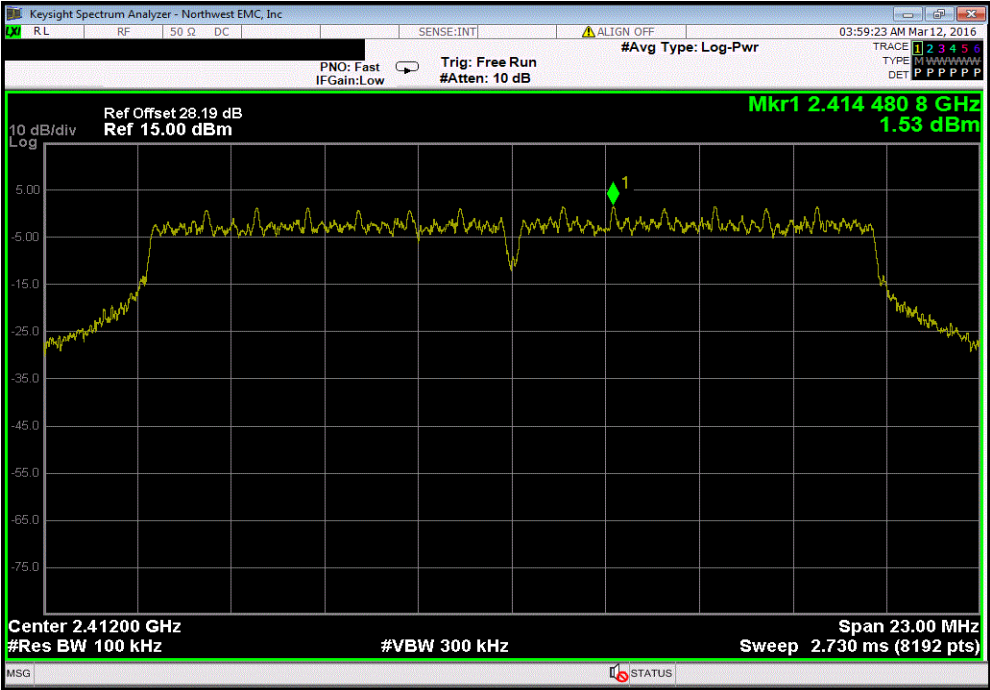


| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS0, High Channel 11, 2462 MHz |                 |               |        |  |
|-----------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                       | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                     | -52.78          | -20           | Pass   |  |

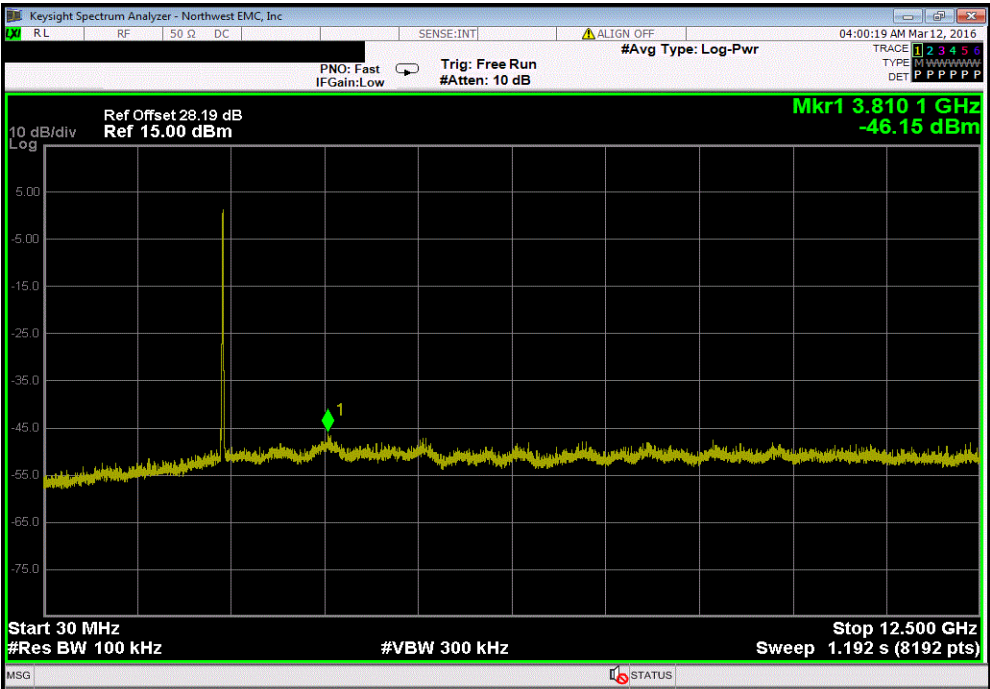


SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz |  |                 |  |         |        |  |
|---------------------------------------------------------------------|--|-----------------|--|---------|--------|--|
| Frequency Range                                                     |  | Max Value (dBc) |  | Limit   | Result |  |
|                                                                     |  |                 |  | ≤ (dBc) |        |  |
| Fundamental                                                         |  | N/A             |  | N/A     | N/A    |  |

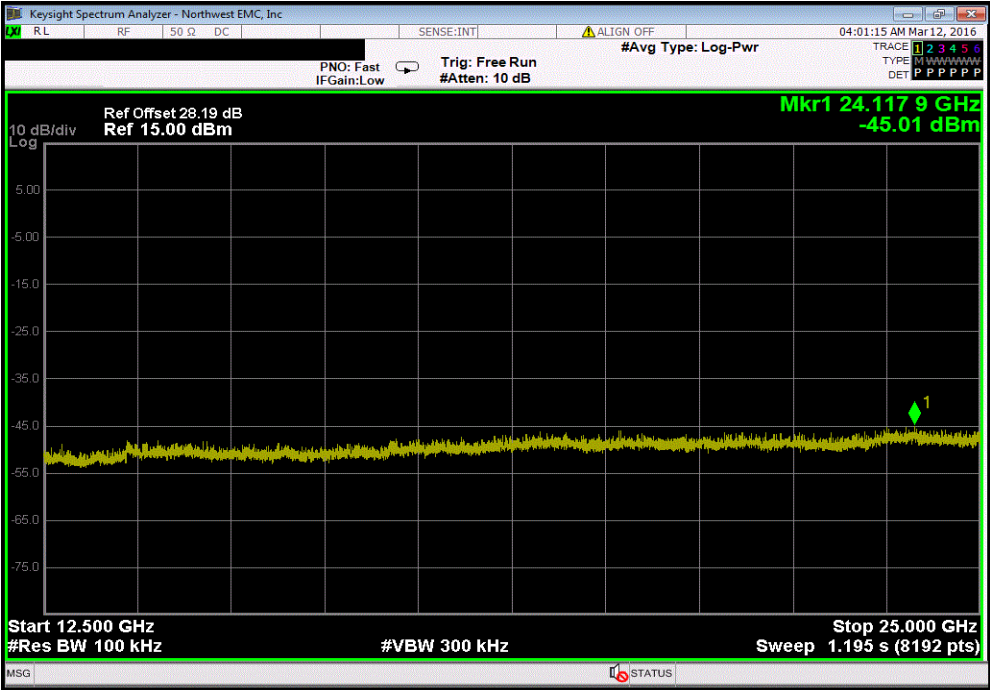


| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz |  |                 |  |         |        |  |
|---------------------------------------------------------------------|--|-----------------|--|---------|--------|--|
| Frequency Range                                                     |  | Max Value (dBc) |  | Limit   | Result |  |
|                                                                     |  |                 |  | ≤ (dBc) |        |  |
| 30 MHz - 12.5 GHz                                                   |  | -47.68          |  | -20     | Pass   |  |

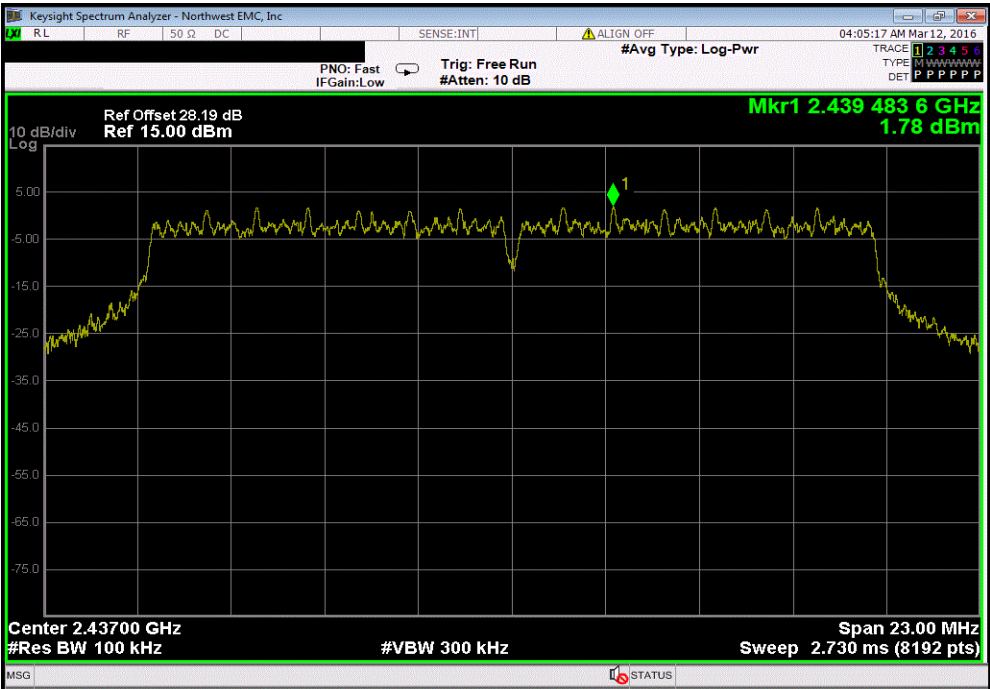


SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Low Channel 1, 2412 MHz |                 |               |        |  |
|---------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                     | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                   | -46.54          | -20           | Pass   |  |

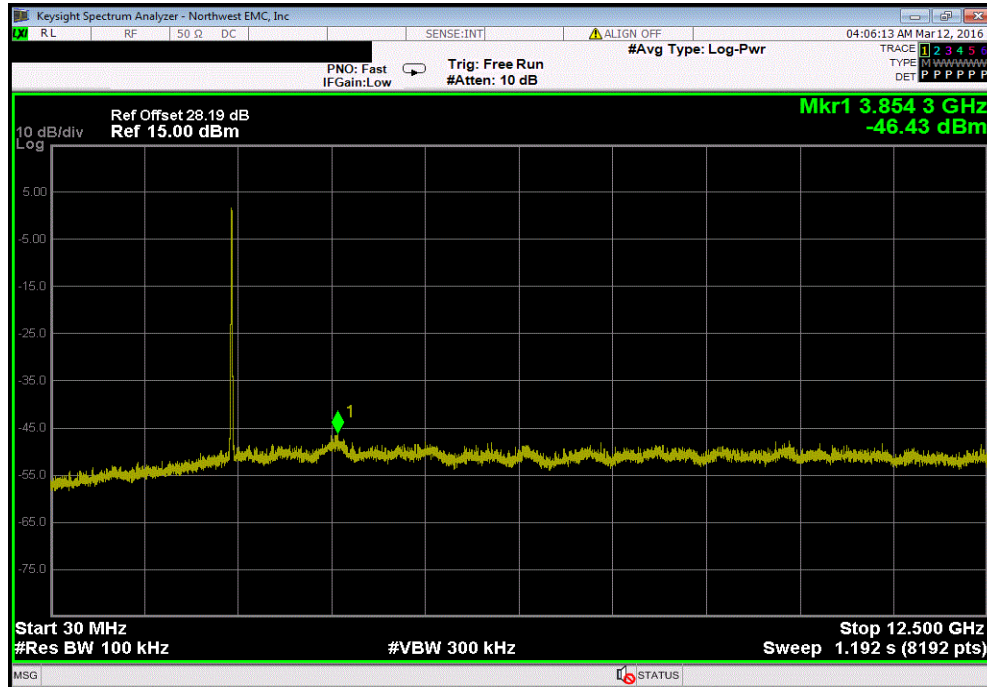


| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz |                 |               |        |  |
|---------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                     | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| Fundamental                                                         | N/A             | N/A           | N/A    |  |

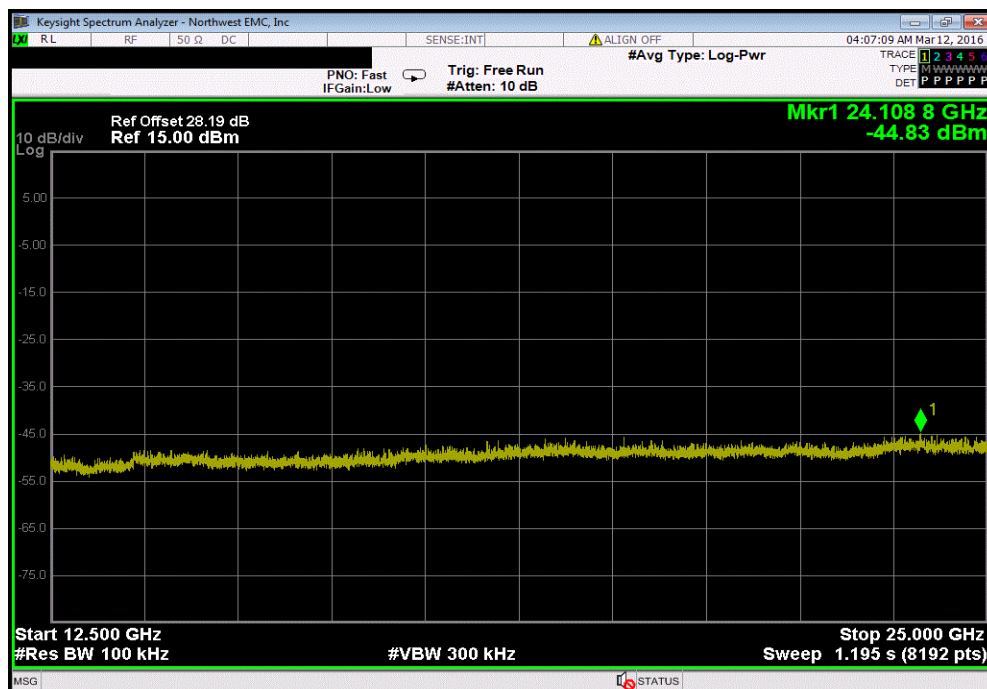


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz |                 |               |        |  |
|---------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                     | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                   | -48.21          | -20           | Pass   |  |

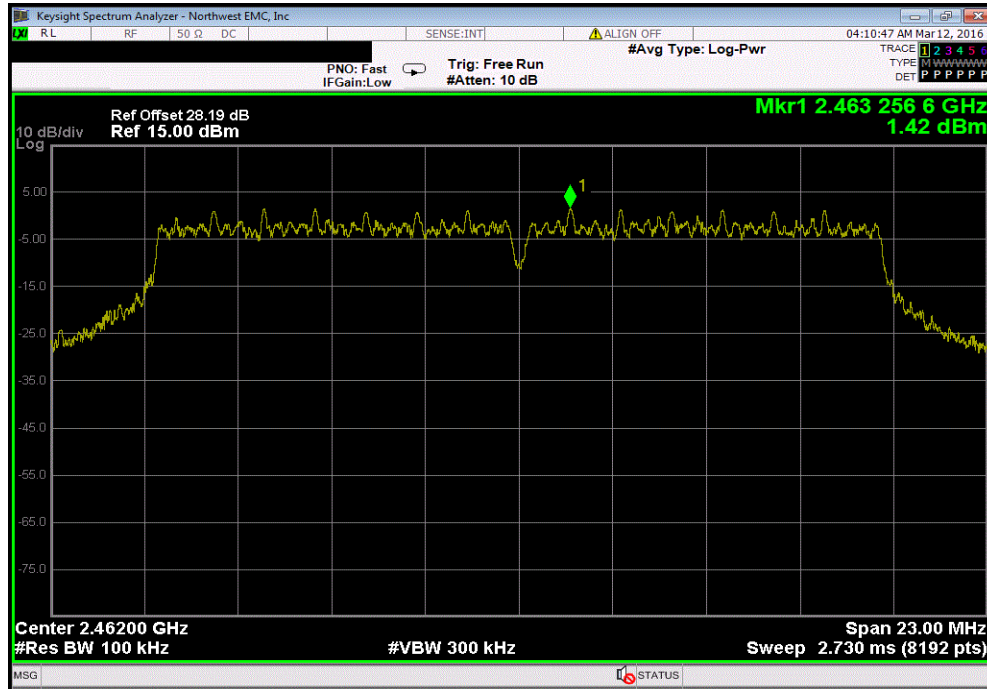


| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, Mid Channel 6, 2437 MHz |                 |               |        |  |
|---------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                     | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                   | -46.61          | -20           | Pass   |  |

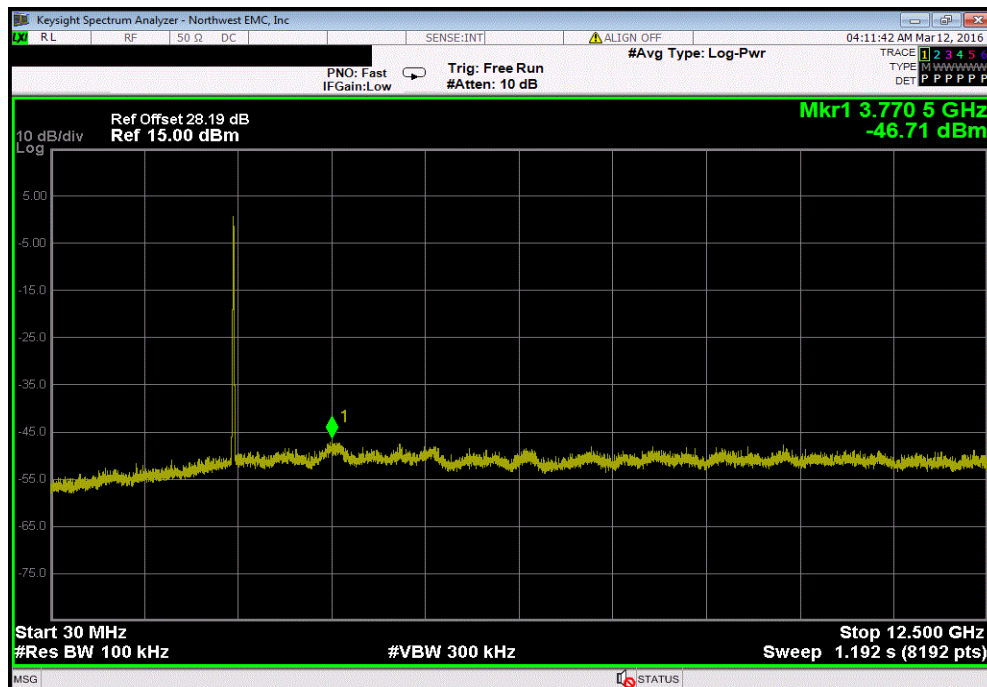


# SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz |  |                 |  |               |        |  |
|-----------------------------------------------------------------------|--|-----------------|--|---------------|--------|--|
| Frequency Range                                                       |  | Max Value (dBc) |  | Limit ≤ (dBc) | Result |  |
| Fundamental                                                           |  | N/A             |  | N/A           | N/A    |  |

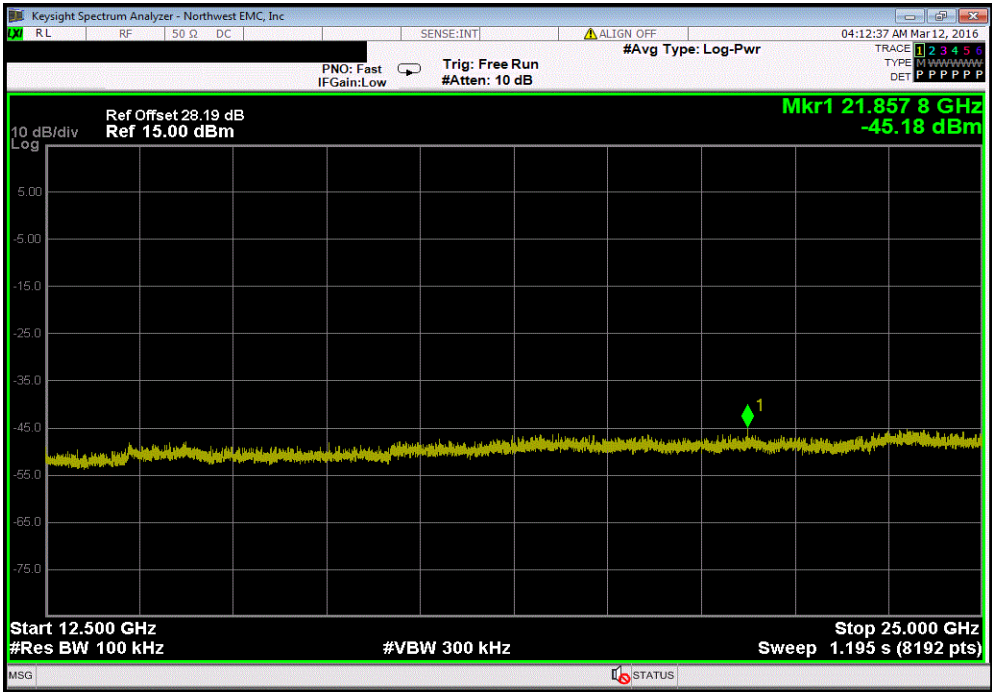


| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz |  |                 |  |               |        |  |
|-----------------------------------------------------------------------|--|-----------------|--|---------------|--------|--|
| Frequency Range                                                       |  | Max Value (dBc) |  | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                                     |  | -48.13          |  | -20           | Pass   |  |



SPURIOUS CONDUCTED EMISSIONS

| 2400 MHz - 2483.5 MHz Band, 802.11(n) MCS7, High Channel 11, 2462 MHz |                 |               |        |  |
|-----------------------------------------------------------------------|-----------------|---------------|--------|--|
| Frequency Range                                                       | Max Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                                     | -46.6           | -20           | Pass   |  |



## SPURIOUS RADIATED EMISSIONS

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data. The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

### MODES OF OPERATION

Transmitting 802.11 - low channel (2412 MHz), mid channel (2437 MHz), and high channel (2462 MHz); 1 Mbps, 6 Mbps, 11 Mbps, 36 Mbps, 54 Mbps, MCS0, and MCS7 data rates.

### POWER SETTINGS INVESTIGATED

110VAC/60Hz

### CONFIGURATIONS INVESTIGATED

LGPD0165 - 1

### FREQUENCY RANGE INVESTIGATED

|                 |        |                |           |
|-----------------|--------|----------------|-----------|
| Start Frequency | 30 MHz | Stop Frequency | 26500 MHz |
|-----------------|--------|----------------|-----------|

### SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

### TEST EQUIPMENT

| Description                  | Manufacturer       | Model                             | ID  | Last Cal.  | Interval (mo) |
|------------------------------|--------------------|-----------------------------------|-----|------------|---------------|
| Filter - Low Pass            | Micro-Tronics      | LPM50004                          | LFK | 10/21/2015 | 12            |
| Filter - High Pass           | Micro-Tronics      | HPM50111                          | LFN | 10/21/2015 | 12            |
| Attenuator                   | Fairview Microwave | SA18E-20                          | TWZ | 10/21/2015 | 12            |
| Amplifier - Pre-Amplifier    | Miteq              | JSD4-18002600-26-8P               | APU | 9/18/2015  | 12            |
| Cable                        | Northwest EMC      | 18-26GHz Standard Gain Horn Cable | MNP | 9/18/2015  | 12            |
| Antenna - Standard Gain      | ETS Lindgren       | 3160-09                           | AHG | NCR        | 0             |
| Amplifier - Pre-Amplifier    | Miteq              | AMF-6F-12001800-30-10P            | AVW | 3/2/2015   | 12            |
| Antenna - Standard Gain      | ETS Lindgren       | 3160-08                           | AIQ | NCR        | 0             |
| Cable                        | ESM Cable Corp.    | Standard Gain Horn Cables         | MNJ | 12/7/2015  | 12            |
| Amplifier - Pre-Amplifier    | Miteq              | AMF-6F-08001200-30-10P            | AVV | 3/2/2015   | 12            |
| Antenna - Standard Gain      | ETS Lindgren       | 3160-07                           | AXP | NCR        | 0             |
| Amplifier - Pre-Amplifier    | Miteq              | AMF-3D-00100800-32-13P            | AVT | 3/10/2015  | 12            |
| Cable                        | ESM Cable Corp.    | Double Ridge Guide Horn Cables    | MNI | 12/7/2015  | 12            |
| Antenna - Double Ridge       | ETS Lindgren       | 3115                              | AJA | 6/3/2014   | 24            |
| Amplifier - Pre-Amplifier    | Miteq              | AM-1616-1000                      | AVO | 12/10/2015 | 12            |
| Cable                        | ESM Cable Corp.    | Bilog Cables                      | MNH | 12/7/2015  | 12            |
| Antenna - Biconilog          | Teseq              | CBL 6141B                         | AYD | 1/6/2016   | 24            |
| Analyzer - Spectrum Analyzer | Keysight           | N9010A                            | AFN | 2/10/2015  | 12            |

### MEASUREMENT BANDWIDTHS

| Frequency Range (MHz) | Peak Data (kHz) | Quasi-Peak Data (kHz) | Average Data (kHz) |
|-----------------------|-----------------|-----------------------|--------------------|
| 0.01 - 0.15           | 1.0             | 0.2                   | 0.2                |
| 0.15 - 30.0           | 10.0            | 9.0                   | 9.0                |
| 30.0 - 1000           | 100.0           | 120.0                 | 120.0              |
| Above 1000            | 1000.0          | N/A                   | 1000.0             |

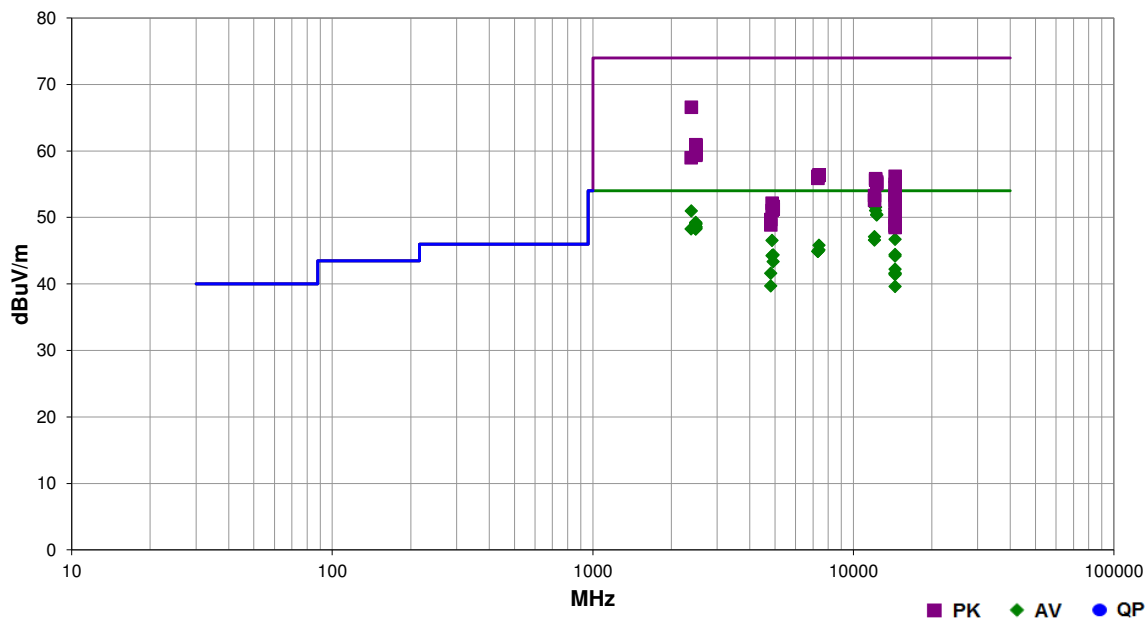
### TEST DESCRIPTION

The highest gain of each type of antenna to be used with the EUT was tested. The EUT was configured for low, mid, and high band transmit frequencies. For each configuration, the spectrum was scanned throughout the specified range. In addition, measurements were made in the restricted bands to verify compliance. While scanning, emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and the EUT antenna in three orthogonal axis, and adjusting measurement antenna height and polarization. A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

|                                 |                                                                                                                                                                          |                          |          |                                 |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------|---------------------------------|
| <b>Work Order:</b>              | LGPD0165                                                                                                                                                                 | <b>Date:</b>             | 01/21/16 | <i>Dustin Sparks</i>            |
| <b>Project:</b>                 | None                                                                                                                                                                     | <b>Temperature:</b>      | 22.4 °C  |                                 |
| <b>Job Site:</b>                | MN05                                                                                                                                                                     | <b>Humidity:</b>         | 18.4% RH |                                 |
| <b>Serial Number:</b>           | 0216M00003                                                                                                                                                               | <b>Barometric Pres.:</b> | 999 mbar |                                 |
| <b>EUT:</b> Zoll CF Card Module |                                                                                                                                                                          |                          |          | <b>Tested by:</b> Dustin Sparks |
| <b>Configuration:</b>           | 1                                                                                                                                                                        |                          |          |                                 |
| <b>Customer:</b>                | ZOLL Medical Corp.                                                                                                                                                       |                          |          |                                 |
| <b>Attendees:</b>               | Adam Ford                                                                                                                                                                |                          |          |                                 |
| <b>EUT Power:</b>               | 110VAC/60Hz                                                                                                                                                              |                          |          |                                 |
| <b>Operating Mode:</b>          | Transmitting 802.11 - low channel (2412 MHz), mid channel (2437 MHz), and high channel (2462 MHz); 1 Mbps, 6 Mbps, 11 Mbps, 36 Mbps, 54 Mbps, MCS0, and MCS7 data rates. |                          |          |                                 |
| <b>Deviations:</b>              | None                                                                                                                                                                     |                          |          |                                 |
| <b>Comments:</b>                | None                                                                                                                                                                     |                          |          |                                 |

| Test Specifications | N/A | Test Method      |
|---------------------|-----|------------------|
| FCC 15.247:2016     |     | ANSI C63.10:2013 |

| Run # | 36 | Test Distance (m) | 3 | Antenna Height(s) | 1 to 4(m) | Results | Pass |
|-------|----|-------------------|---|-------------------|-----------|---------|------|
|-------|----|-------------------|---|-------------------|-----------|---------|------|



| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Antenna Height (meters) | Azimuth (degrees) | Test Distance (meters) | External Attenuation (dB) | Polarity/Transducer Type | Detector | Distance Adjustment (dB) | Adjusted (dBuV/m) | Spec. Limit (dBuV/m) | Compared to Spec. (dB) | Comments                      |
|------------|------------------|-------------|-------------------------|-------------------|------------------------|---------------------------|--------------------------|----------|--------------------------|-------------------|----------------------|------------------------|-------------------------------|
| 14471.980  | 45.4             | 7.6         | 1.3                     | 0.0               | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 53.0              | 54.0                 | -1.0                   | Low ch, EUT on side, 1 Mbps   |
| 12185.890  | 52.1             | -0.6        | 1.4                     | 32.0              | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 51.5              | 54.0                 | -2.5                   | Mid ch, EUT on side, 1 Mbps   |
| 14472.020  | 43.7             | 7.6         | 2.6                     | 15.1              | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 51.3              | 54.0                 | -2.7                   | Low ch, EUT vert, 1 Mbps      |
| 12186.070  | 51.6             | -0.6        | 1.7                     | 33.1              | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 51.0              | 54.0                 | -3.0                   | Mid ch, EUT vert, 1 Mbps      |
| 2389.958   | 34.2             | -3.2        | 2.8                     | 221.1             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 51.0              | 54.0                 | -3.0                   | Low ch, EUT horz, 6 Mbps      |
| 12310.890  | 50.7             | -0.3        | 1.8                     | 26.1              | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 50.4              | 54.0                 | -3.6                   | High ch, EUT vert, 1 Mbps     |
| 12311.100  | 50.6             | -0.3        | 2.1                     | 58.1              | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 50.3              | 54.0                 | -3.7                   | High ch, EUT on side, 1 Mbps  |
| 2487.108   | 32.2             | -3.0        | 1.0                     | 110.0             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 49.2              | 54.0                 | -4.8                   | High ch, EUT horz, 1 Mbps     |
| 2483.500   | 32.1             | -3.0        | 1.0                     | 211.0             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 49.1              | 54.0                 | -4.9                   | High ch, EUT horz, 6 Mbps     |
| 2487.917   | 32.0             | -3.0        | 1.9                     | 351.9             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 49.0              | 54.0                 | -5.0                   | High ch, EUT horz, 11 Mbps    |
| 2483.600   | 31.9             | -3.0        | 1.0                     | 91.1              | 3.0                    | 20.0                      | Vert                     | AV       | 0.0                      | 48.9              | 54.0                 | -5.1                   | High ch, EUT on side, 6 Mbps  |
| 2483.833   | 31.6             | -3.0        | 2.9                     | 136.0             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 48.6              | 54.0                 | -5.4                   | High ch, EUT on side, 6 Mbps  |
| 2483.650   | 31.6             | -3.0        | 1.0                     | 57.0              | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 48.6              | 54.0                 | -5.4                   | High ch, EUT on side, 54 Mbps |
| 2484.000   | 31.5             | -3.0        | 1.0                     | 301.9             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 48.5              | 54.0                 | -5.5                   | High ch, EUT horz, 36 Mbps    |
| 2483.683   | 31.5             | -3.0        | 1.0                     | 131.1             | 3.0                    | 20.0                      | Vert                     | AV       | 0.0                      | 48.5              | 54.0                 | -5.5                   | High ch, EUT horz, 11 Mbps    |
| 2483.600   | 31.4             | -3.0        | 1.0                     | 329.0             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 48.4              | 54.0                 | -5.6                   | High ch, EUT horz, MCS7       |
| 14472.040  | 40.8             | 7.6         | 1.5                     | 336.0             | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 48.4              | 54.0                 | -5.6                   | Low ch, EUT on side, 1 Mbps   |
| 2483.892   | 31.3             | -3.0        | 1.0                     | 55.1              | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 48.3              | 54.0                 | -5.7                   | High ch, EUT vert, 6 Mbps     |
| 2483.550   | 31.3             | -3.0        | 3.4                     | 107.0             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 48.3              | 54.0                 | -5.7                   | High ch, EUT horz, MCS0       |
| 2386.183   | 31.5             | -3.2        | 1.0                     | 311.0             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 48.3              | 54.0                 | -5.7                   | Low ch, EUT horz, 1 Mbps      |
| 2486.017   | 31.2             | -3.0        | 1.0                     | 66.1              | 3.0                    | 20.0                      | Vert                     | AV       | 0.0                      | 48.2              | 54.0                 | -5.8                   | High ch, EUT horz, 6 Mbps     |
| 14472.060  | 40.6             | 7.6         | 2.0                     | 0.0               | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 48.2              | 54.0                 | -5.8                   | Low ch, EUT horz, 1 Mbps      |
| 12060.030  | 48.4             | -1.3        | 1.4                     | 14.0              | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 47.1              | 54.0                 | -6.9                   | Low ch, EUT on side, 1 Mbps   |
| 14471.960  | 39.1             | 7.6         | 1.7                     | 294.9             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 46.7              | 54.0                 | -7.3                   | Low ch, EUT vert, 1 Mbps      |
| 12060.040  | 47.9             | -1.3        | 1.7                     | 31.0              | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 46.6              | 54.0                 | -7.4                   | Low ch, EUT vert, 1 Mbps      |

| Freq<br>(MHz) | Amplitude<br>(dBuV) | Factor<br>(dB) | Antenna<br>Height<br>(meters) | Azimuth<br>(degrees) | Test Distance<br>(meters) | External<br>Attenuation<br>(dB) | Polarity/<br>Transducer<br>Type | Detector | Distance<br>Adjustment<br>(dB) | Adjusted<br>(dBuV/m) | Spec. Limit<br>(dBuV/m) | Compared to<br>Spec.<br>(dB) | Comments                     |
|---------------|---------------------|----------------|-------------------------------|----------------------|---------------------------|---------------------------------|---------------------------------|----------|--------------------------------|----------------------|-------------------------|------------------------------|------------------------------|
| 2389.975      | 49.8                | -3.2           | 2.8                           | 221.1                | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 66.6                 | 74.0                    | -7.4                         | Low ch, EUT horz, 6 Mbps     |
| 4874.017      | 40.8                | 5.7            | 1.9                           | 340.0                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 46.5                 | 54.0                    | -7.5                         | Mid ch, EUT on side, 1 Mbps  |
| 7386.667      | 31.8                | 14.0           | 1.0                           | 92.0                 | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 45.8                 | 54.0                    | -8.2                         | High ch, EUT on side, 1 Mbps |
| 7386.092      | 31.1                | 14.0           | 1.0                           | 219.0                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 45.1                 | 54.0                    | -8.9                         | High ch, EUT vert, 1 Mbps    |
| 7310.758      | 30.8                | 14.1           | 1.0                           | 28.0                 | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 44.9                 | 54.0                    | -9.1                         | Mid ch, EUT vert, 1 Mbps     |
| 7312.742      | 30.8                | 14.1           | 2.0                           | 275.9                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 44.9                 | 54.0                    | -9.1                         | Mid ch, EUT on side, 1 Mbps  |
| 14472.020     | 36.8                | 7.6            | 1.4                           | 348.9                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 44.4                 | 54.0                    | -9.6                         | Low ch, EUT on side, 6 Mbps  |
| 4924.025      | 38.4                | 6.0            | 1.5                           | 9.0                  | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 44.4                 | 54.0                    | -9.6                         | High ch, EUT on side, 1 Mbps |
| 4873.967      | 38.5                | 5.7            | 3.0                           | 13.0                 | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 44.2                 | 54.0                    | -9.8                         | Mid ch, EUT vert, 1 Mbps     |
| 14472.000     | 36.6                | 7.6            | 1.0                           | 351.9                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 44.2                 | 54.0                    | -9.8                         | Low ch, EUT on side, 11 Mbps |
| 4924.075      | 37.4                | 6.0            | 2.2                           | 350.0                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 43.4                 | 54.0                    | -10.6                        | High ch, EUT vert, 1 Mbps    |
| 14472.020     | 34.6                | 7.6            | 1.0                           | 351.9                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 42.2                 | 54.0                    | -11.8                        | Low ch, EUT on side, MCS0    |
| 14471.990     | 34.0                | 7.6            | 1.0                           | 351.9                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 41.6                 | 54.0                    | -12.4                        | Low ch, EUT on side, 36 Mbps |
| 14471.960     | 34.0                | 7.6            | 1.0                           | 351.9                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 41.6                 | 54.0                    | -12.4                        | Low ch, EUT on side, 54 Mbps |
| 4823.942      | 36.1                | 5.5            | 1.9                           | 16.1                 | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 41.6                 | 54.0                    | -12.4                        | Low ch, EUT on side, 1 Mbps  |
| 14471.960     | 33.8                | 7.6            | 1.0                           | 351.9                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 41.4                 | 54.0                    | -12.6                        | Low ch, EUT on side, MCS7    |
| 2483.750      | 43.9                | -3.0           | 1.0                           | 57.0                 | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 60.9                 | 74.0                    | -13.1                        | High ch, EUT on side, 6 Mbps |
| 2487.267      | 43.8                | -3.0           | 1.0                           | 131.1                | 3.0                       | 20.0                            | Vert                            | PK       | 0.0                            | 60.8                 | 74.0                    | -13.2                        | High ch, EUT vert, 6 Mbps    |
| 2485.858      | 43.8                | -3.0           | 1.9                           | 351.9                | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 60.8                 | 74.0                    | -13.2                        | High ch, EUT horz, 11 Mbps   |
| 2484.017      | 43.7                | -3.0           | 1.0                           | 329.0                | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 60.7                 | 74.0                    | -13.3                        | High ch, EUT horz, MCS7      |
| 2483.767      | 43.4                | -3.0           | 2.9                           | 136.0                | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 60.4                 | 74.0                    | -13.6                        | High ch, EUT on side, 6 Mbps |
| 2485.567      | 43.2                | -3.0           | 1.0                           | 211.0                | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 60.2                 | 74.0                    | -13.8                        | High ch, EUT horz, 6 Mbps    |
| 2484.225      | 43.0                | -3.0           | 1.0                           | 91.1                 | 3.0                       | 20.0                            | Vert                            | PK       | 0.0                            | 60.0                 | 74.0                    | -14.0                        | High ch, EUT on side, 6 Mbps |
| 2487.183      | 42.7                | -3.0           | 1.0                           | 66.1                 | 3.0                       | 20.0                            | Vert                            | PK       | 0.0                            | 59.7                 | 74.0                    | -14.3                        | High ch, EUT horz, 6 Mbps    |
| 4824.017      | 34.2                | 5.5            | 1.3                           | 3.0                  | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 39.7                 | 54.0                    | -14.3                        | Low ch, EUT vert, 1 Mbps     |
| 2487.058      | 42.6                | -3.0           | 1.0                           | 110.0                | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 59.6                 | 74.0                    | -14.4                        | High ch, EUT horz, 1 Mbps    |
| 14471.910     | 32.0                | 7.6            | 2.0                           | 317.0                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 39.6                 | 54.0                    | -14.4                        | Low ch, EUT horz, 1 Mbps     |
| 2485.158      | 42.5                | -3.0           | 1.0                           | 301.9                | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 59.5                 | 74.0                    | -14.5                        | High ch, EUT horz, 36 Mbps   |
| 2487.167      | 42.4                | -3.0           | 1.0                           | 55.1                 | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 59.4                 | 74.0                    | -14.6                        | High ch, EUT vert, 6 Mbps    |
| 2486.675      | 42.3                | -3.0           | 3.4                           | 107.0                | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 59.3                 | 74.0                    | -14.7                        | High ch, EUT horz, MCS0      |
| 2386.967      | 42.2                | -3.2           | 1.0                           | 311.0                | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 59.0                 | 74.0                    | -15.0                        | Low ch, EUT horz, 1 Mbps     |
| 7386.375      | 42.4                | 14.0           | 1.0                           | 219.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 56.4                 | 74.0                    | -17.6                        | High ch, EUT vert, 1 Mbps    |
| 7386.358      | 42.3                | 14.0           | 1.0                           | 92.0                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 56.3                 | 74.0                    | -17.7                        | High ch, EUT on side, 1 Mbps |
| 14471.910     | 48.6                | 7.6            | 1.3                           | 0.0                  | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 56.2                 | 74.0                    | -17.8                        | Low ch, EUT on side, 1 Mbps  |
| 7312.692      | 42.1                | 14.1           | 2.0                           | 275.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 56.2                 | 74.0                    | -17.8                        | Mid ch, EUT on side, 1 Mbps  |
| 7311.750      | 41.8                | 14.1           | 1.0                           | 28.0                 | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 55.9                 | 74.0                    | -18.1                        | Mid ch, EUT vert, 1 Mbps     |
| 12185.870     | 56.4                | -0.6           | 1.4                           | 32.0                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 55.8                 | 74.0                    | -18.2                        | Mid ch, EUT on side, 1 Mbps  |
| 12185.030     | 56.2                | -0.6           | 1.7                           | 33.1                 | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 55.6                 | 74.0                    | -18.4                        | Mid ch, EUT vert, 1 Mbps     |
| 12309.850     | 55.6                | -0.3           | 1.8                           | 26.1                 | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 55.3                 | 74.0                    | -18.7                        | High ch, EUT vert, 1 Mbps    |
| 12309.930     | 55.3                | -0.3           | 2.1                           | 58.1                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 55.0                 | 74.0                    | -19.0                        | High ch, EUT on side, 1 Mbps |
| 14472.120     | 47.4                | 7.6            | 1.4                           | 348.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 55.0                 | 74.0                    | -19.0                        | Low ch, EUT on side, 6 Mbps  |
| 14472.050     | 46.9                | 7.6            | 2.6                           | 15.1                 | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 54.5                 | 74.0                    | -19.5                        | Low ch, EUT vert, 1 Mbps     |
| 14471.980     | 45.8                | 7.6            | 1.0                           | 351.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 53.4                 | 74.0                    | -20.6                        | Low ch, EUT on side, 11 Mbps |
| 14472.090     | 45.7                | 7.6            | 1.5                           | 336.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 53.3                 | 74.0                    | -20.7                        | Low ch, EUT on side, 1 Mbps  |
| 12060.180     | 54.6                | -1.3           | 1.4                           | 14.0                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 53.3                 | 74.0                    | -20.7                        | Low ch, EUT on side, 1 Mbps  |
| 14471.930     | 45.0                | 7.6            | 2.0                           | 0.0                  | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 52.6                 | 74.0                    | -21.4                        | Low ch, EUT horz, 1 Mbps     |
| 12059.890     | 53.9                | -1.3           | 1.7                           | 31.0                 | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 52.6                 | 74.0                    | -21.4                        | Low ch, EUT vert, 1 Mbps     |
| 4873.825      | 46.4                | 5.7            | 1.9                           | 340.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 52.1                 | 74.0                    | -21.9                        | Mid ch, EUT on side, 1 Mbps  |
| 14472.210     | 44.4                | 7.6            | 1.7                           | 294.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 52.0                 | 74.0                    | -22.0                        | Low ch, EUT vert, 1 Mbps     |
| 4924.075      | 45.7                | 6.0            | 1.5                           | 9.0                  | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 51.7                 | 74.0                    | -22.3                        | High ch, EUT on side, 1 Mbps |
| 4924.092      | 45.3                | 6.0            | 2.2                           | 350.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 51.3                 | 74.0                    | -22.7                        | High ch, EUT vert, 1 Mbps    |
| 4873.983      | 45.3                | 5.7            | 3.0                           | 13.0                 | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 51.0                 | 74.0                    | -23.0                        | Mid ch, EUT vert, 1 Mbps     |
| 14471.930     | 42.9                | 7.6            | 1.0                           | 351.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 50.5                 | 74.0                    | -23.5                        | Low ch, EUT on side, 36 Mbps |
| 14472.120     | 42.4                | 7.6            | 1.0                           | 351.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 50.0                 | 74.0                    | -24.0                        | Low ch, EUT on side, MCS0    |
| 4823.667      | 44.2                | 5.5            | 1.9                           | 16.1                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 49.7                 | 74.0                    | -24.3                        | Low ch, EUT on side, 1 Mbps  |
| 4823.867      | 43.4                | 5.5            | 1.3                           | 3.0                  | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 48.9                 | 74.0                    | -25.1                        | Low ch, EUT vert, 1 Mbps     |
| 14472.130     | 41.2                | 7.6            | 1.0                           | 351.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 48.8                 | 74.0                    | -25.2                        | Low ch, EUT on side, MCS7    |
| 14471.930     | 41.1                | 7.6            | 1.0                           | 351.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 48.7                 | 74.0                    | -25.3                        | Low ch, EUT on side, 54 Mbps |
| 14472.260     | 40.9                | 7.6            | 2.0                           | 317.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 48.5                 | 74.0                    | -25.5                        | Low ch, EUT horz, 1 Mbps     |

# AC – POWERLINE CONDUCTED EMISSIONS

## TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 30 MHz to determine the line-to-ground radio-noise voltage that is conducted from the EUT power-input terminals that are directly (or indirectly via separate transformer or power supplies) connected to a public power network. Per the standard, an insulating material was also added to ground plane between the EUT's power and remote I/O cables. Equipment is tested with power cords that are normally used or that have electrical or shielding characteristics that are the same as those cords normally used. Typically those measurements are made using a LISN (Line Impedance Stabilization Network), the 50ohm measuring port is terminated by a 50ohm EMI meter or a 50ohm resistive load. All 50ohm measuring ports of the LISN are terminated by 50ohm. The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

## TEST EQUIPMENT

| Description                      | Manufacturer      | Model            | ID  | Last Cal. | Cal. Due  |
|----------------------------------|-------------------|------------------|-----|-----------|-----------|
| LISN                             | Solar Electronics | 9252-50-R-24-BNC | LIY | 3/23/2015 | 3/23/2016 |
| Filter - High Pass               | TTE               | H97-100K-50-720B | HGN | NCR       | NCR       |
| Cable - Conducted Cable Assembly | Northwest EMC     | None             | MNC | NCR       | NCR       |
| Receiver                         | Rohde & Schwarz   | ESR7             | ARI | 5/21/2015 | 5/21/2016 |

## MEASUREMENT UNCERTAINTY

| Description  |        |         |
|--------------|--------|---------|
| Expanded k=2 | 2.4 dB | -2.4 dB |

## CONFIGURATIONS INVESTIGATED

LGPD0165-1

## MODES INVESTIGATED

Single channel continuous transmission. Channel 1 2412 MHz, 1 Mbps.  
Single channel continuous transmission. Channel 11 2462 MHz, 1 Mbps.  
Single channel continuous transmission. Channel 6 2437 MHz, 1 Mbps.

# AC – POWERLINE CONDUCTED EMISSIONS

|                   |                     |                    |            |
|-------------------|---------------------|--------------------|------------|
| EUT:              | Zoll CF Card Module | Work Order:        | LGPD0165   |
| Serial Number:    | 0216M00003          | Date:              | 02/02/2016 |
| Customer:         | ZOLL Medical Corp.  | Temperature:       | 22.5°C     |
| Attendees:        | Adam Ford           | Relative Humidity: | 22.6%      |
| Customer Project: | None                | Bar. Pressure:     | 985.4 mb   |
| Tested By:        | Jared Ison          | Job Site:          | MN03       |
| Power:            | 5 VDC               | Configuration:     | LGPD0165-1 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 15.207:2016 | ANSI C63.10:2013 |

## TEST PARAMETERS

|        |   |       |               |                             |   |
|--------|---|-------|---------------|-----------------------------|---|
| Run #: | 1 | Line: | Positive Lead | Add. Ext. Attenuation (dB): | 0 |
|--------|---|-------|---------------|-----------------------------|---|

## COMMENTS

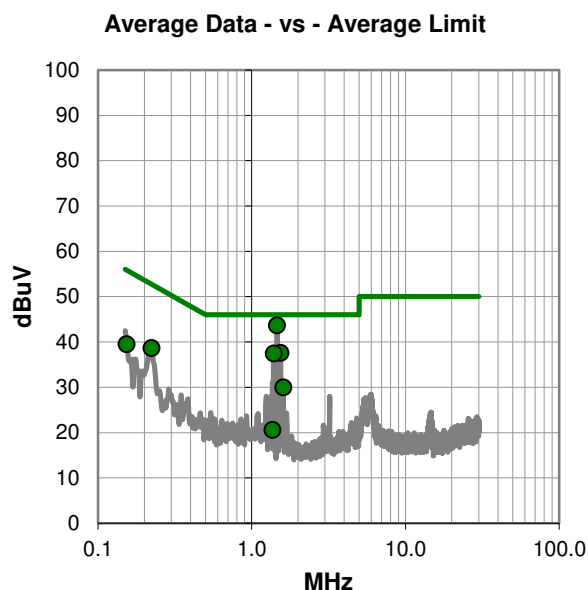
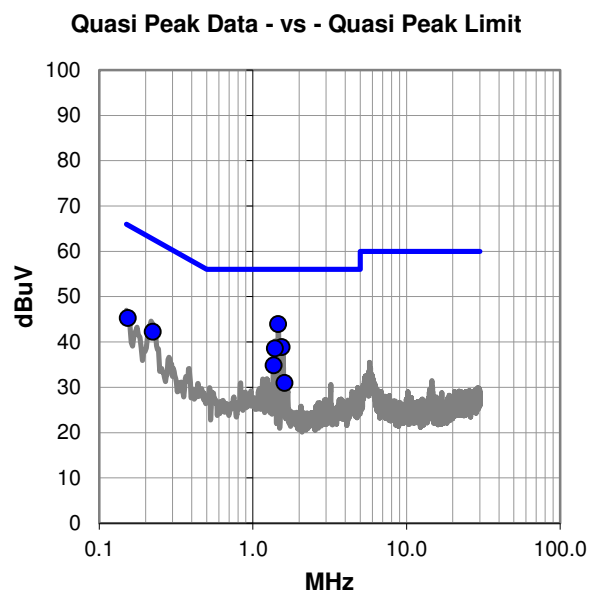
None

## EUT OPERATING MODES

Single channel continuous transmission. Channel 1 2412 MHz, 1 Mbps.

## DEVIATIONS FROM TEST STANDARD

None



# AC – POWERLINE CONDUCTED EMISSIONS

## RESULTS - Run #1

Quasi Peak Data - vs - Quasi Peak Limit

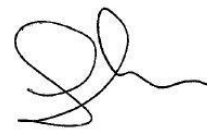
| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 1.465      | 23.8        | 20.1        | 43.9            | 56.0               | -12.1       |
| 1.541      | 18.7        | 20.2        | 38.9            | 56.0               | -17.1       |
| 1.391      | 18.4        | 20.1        | 38.5            | 56.0               | -17.5       |
| 0.223      | 22.0        | 20.3        | 42.3            | 62.7               | -20.4       |
| 0.153      | 24.9        | 20.4        | 45.3            | 65.8               | -20.5       |
| 1.364      | 14.7        | 20.1        | 34.8            | 56.0               | -21.2       |
| 1.606      | 10.8        | 20.2        | 31.0            | 56.0               | -25.0       |

Average Data - vs - Average Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 1.465      | 23.5        | 20.1        | 43.6            | 46.0               | -2.4        |
| 1.541      | 17.4        | 20.2        | 37.6            | 46.0               | -8.4        |
| 1.391      | 17.3        | 20.1        | 37.4            | 46.0               | -8.6        |
| 0.223      | 18.4        | 20.3        | 38.7            | 52.7               | -14.0       |
| 1.606      | 9.8         | 20.2        | 30.0            | 46.0               | -16.0       |
| 0.153      | 19.1        | 20.4        | 39.5            | 55.8               | -16.3       |
| 1.364      | 0.4         | 20.1        | 20.5            | 46.0               | -25.5       |

## CONCLUSION

Pass



Tested By

# AC – POWERLINE CONDUCTED EMISSIONS

|                   |                     |                    |            |
|-------------------|---------------------|--------------------|------------|
| EUT:              | Zoll CF Card Module | Work Order:        | LGPD0165   |
| Serial Number:    | 0216M00003          | Date:              | 02/02/2016 |
| Customer:         | ZOLL Medical Corp.  | Temperature:       | 22.5°C     |
| Attendees:        | Adam Ford           | Relative Humidity: | 22.6%      |
| Customer Project: | None                | Bar. Pressure:     | 985.4 mb   |
| Tested By:        | Jared Ison          | Job Site:          | MN03       |
| Power:            | 5 VDC               | Configuration:     | LGPD0165-1 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 15.207:2016 | ANSI C63.10:2013 |

## TEST PARAMETERS

|        |   |       |               |                             |   |
|--------|---|-------|---------------|-----------------------------|---|
| Run #: | 2 | Line: | Negative Lead | Add. Ext. Attenuation (dB): | 0 |
|--------|---|-------|---------------|-----------------------------|---|

## COMMENTS

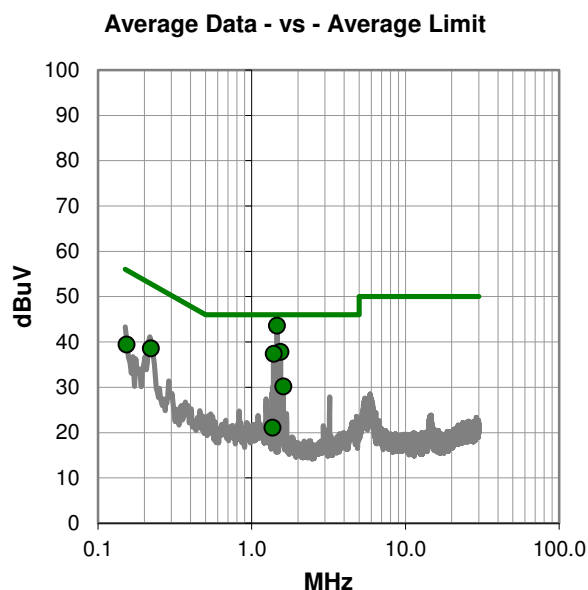
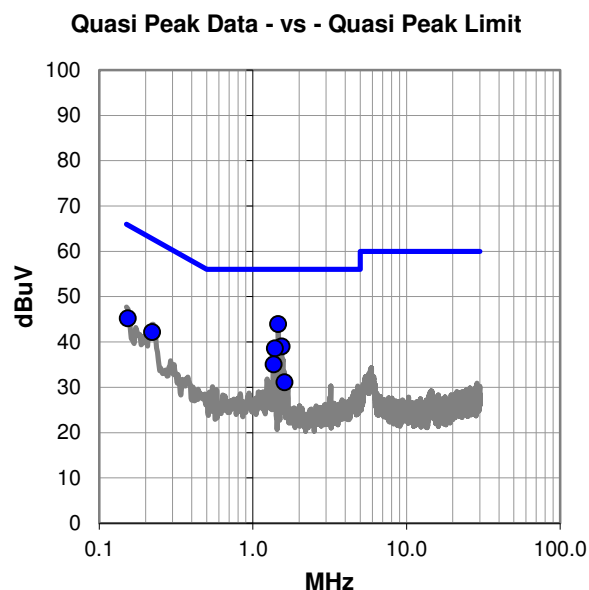
None

## EUT OPERATING MODES

Single channel continuous transmission. Channel 1 2412 MHz, 1 Mbps.

## DEVIATIONS FROM TEST STANDARD

None



# AC – POWERLINE CONDUCTED EMISSIONS

## RESULTS - Run #2

Quasi Peak Data - vs - Quasi Peak Limit

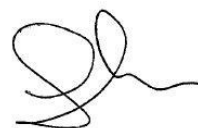
| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 1.464      | 23.8        | 20.1        | 43.9            | 56.0               | -12.1       |
| 1.539      | 18.8        | 20.2        | 39.0            | 56.0               | -17.0       |
| 1.391      | 18.4        | 20.1        | 38.5            | 56.0               | -17.5       |
| 0.153      | 24.8        | 20.4        | 45.2            | 65.8               | -20.6       |
| 0.221      | 21.9        | 20.3        | 42.2            | 62.8               | -20.6       |
| 1.366      | 14.9        | 20.1        | 35.0            | 56.0               | -21.0       |
| 1.606      | 10.9        | 20.2        | 31.1            | 56.0               | -24.9       |

Average Data - vs - Average Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 1.464      | 23.4        | 20.1        | 43.5            | 46.0               | -2.5        |
| 1.539      | 17.6        | 20.2        | 37.8            | 46.0               | -8.2        |
| 1.391      | 17.2        | 20.1        | 37.3            | 46.0               | -8.7        |
| 0.221      | 18.3        | 20.3        | 38.6            | 52.8               | -14.2       |
| 1.606      | 10.0        | 20.2        | 30.2            | 46.0               | -15.8       |
| 0.153      | 19.0        | 20.4        | 39.4            | 55.8               | -16.4       |
| 1.366      | 0.9         | 20.1        | 21.0            | 46.0               | -25.0       |

## CONCLUSION

Pass



Tested By

# AC – POWERLINE CONDUCTED EMISSIONS

|                   |                     |                    |            |
|-------------------|---------------------|--------------------|------------|
| EUT:              | Zoll CF Card Module | Work Order:        | LGPD0165   |
| Serial Number:    | 0216M00003          | Date:              | 02/02/2016 |
| Customer:         | ZOLL Medical Corp.  | Temperature:       | 22.5°C     |
| Attendees:        | Adam Ford           | Relative Humidity: | 22.6%      |
| Customer Project: | None                | Bar. Pressure:     | 985.4 mb   |
| Tested By:        | Jared Ison          | Job Site:          | MN03       |
| Power:            | 5 VDC               | Configuration:     | LGPD0165-1 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 15.207:2016 | ANSI C63.10:2013 |

## TEST PARAMETERS

|        |   |       |               |                             |   |
|--------|---|-------|---------------|-----------------------------|---|
| Run #: | 3 | Line: | Negative Lead | Add. Ext. Attenuation (dB): | 0 |
|--------|---|-------|---------------|-----------------------------|---|

## COMMENTS

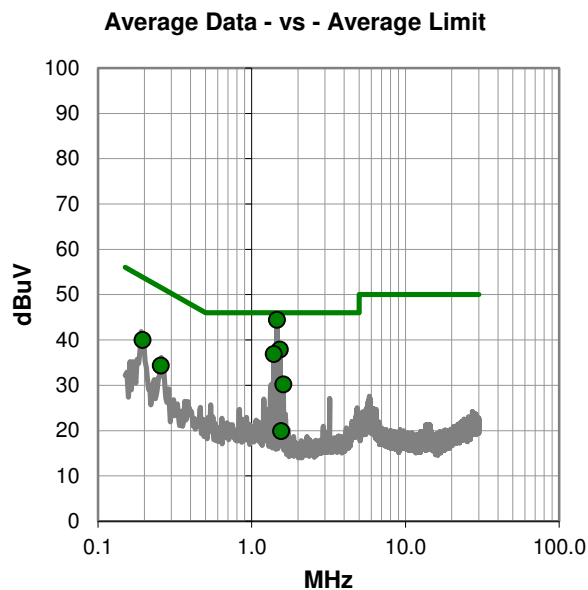
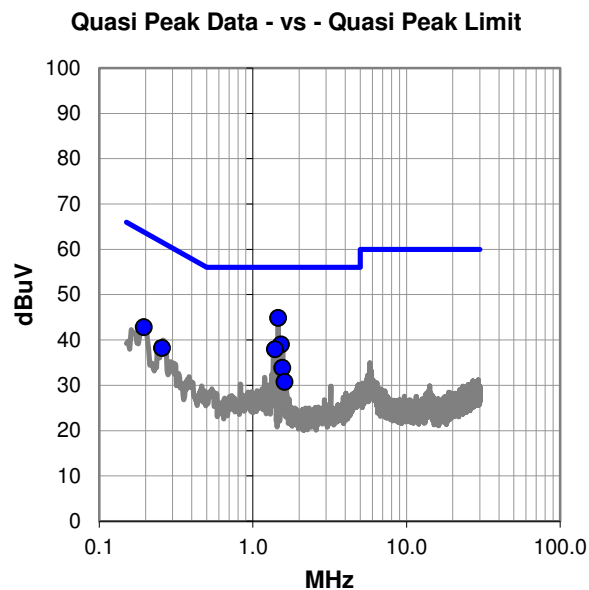
None

## EUT OPERATING MODES

Single channel continuous transmission. Channel 11 2462 MHz, 1 Mbps.

## DEVIATIONS FROM TEST STANDARD

None



# AC – POWERLINE CONDUCTED EMISSIONS

## RESULTS - Run #3

Quasi Peak Data - vs - Quasi Peak Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 1.460      | 24.7        | 20.1        | 44.8            | 56.0               | -11.2       |
| 1.525      | 18.8        | 20.2        | 39.0            | 56.0               | -17.0       |
| 1.393      | 17.8        | 20.1        | 37.9            | 56.0               | -18.1       |
| 0.195      | 22.5        | 20.3        | 42.8            | 63.8               | -21.0       |
| 1.558      | 13.7        | 20.2        | 33.9            | 56.0               | -22.1       |
| 0.257      | 18.0        | 20.2        | 38.2            | 61.5               | -23.3       |
| 1.606      | 10.6        | 20.2        | 30.8            | 56.0               | -25.2       |

Average Data - vs - Average Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 1.460      | 24.3        | 20.1        | 44.4            | 46.0               | -1.6        |
| 1.525      | 17.7        | 20.2        | 37.9            | 46.0               | -8.1        |
| 1.393      | 16.7        | 20.1        | 36.8            | 46.0               | -9.2        |
| 0.195      | 19.7        | 20.3        | 40.0            | 53.8               | -13.8       |
| 1.606      | 10.0        | 20.2        | 30.2            | 46.0               | -15.8       |
| 0.257      | 14.1        | 20.2        | 34.3            | 51.5               | -17.2       |
| 1.558      | -0.3        | 20.2        | 19.9            | 46.0               | -26.1       |

## CONCLUSION

Pass



Tested By

# AC – POWERLINE CONDUCTED EMISSIONS

|                   |                     |                    |            |
|-------------------|---------------------|--------------------|------------|
| EUT:              | Zoll CF Card Module | Work Order:        | LGPD0165   |
| Serial Number:    | 0216M00003          | Date:              | 02/02/2016 |
| Customer:         | ZOLL Medical Corp.  | Temperature:       | 22.5°C     |
| Attendees:        | Adam Ford           | Relative Humidity: | 22.6%      |
| Customer Project: | None                | Bar. Pressure:     | 985.4 mb   |
| Tested By:        | Jared Ison          | Job Site:          | MN03       |
| Power:            | 5 VDC               | Configuration:     | LGPD0165-1 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 15.207:2016 | ANSI C63.10:2013 |

## TEST PARAMETERS

|        |   |       |               |                             |   |
|--------|---|-------|---------------|-----------------------------|---|
| Run #: | 4 | Line: | Positive Lead | Add. Ext. Attenuation (dB): | 0 |
|--------|---|-------|---------------|-----------------------------|---|

## COMMENTS

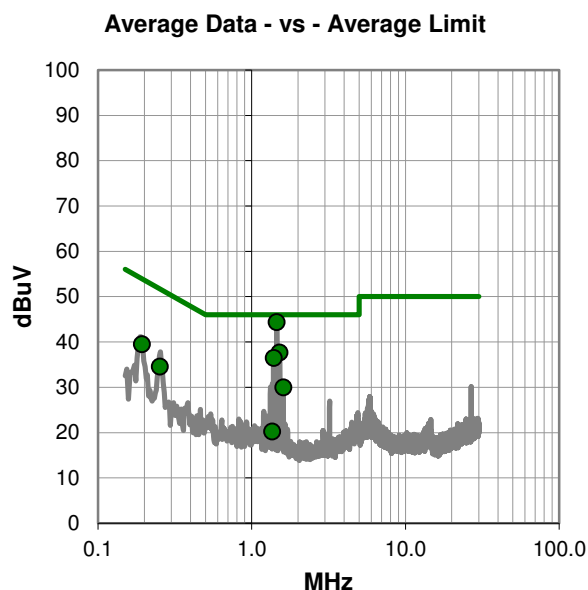
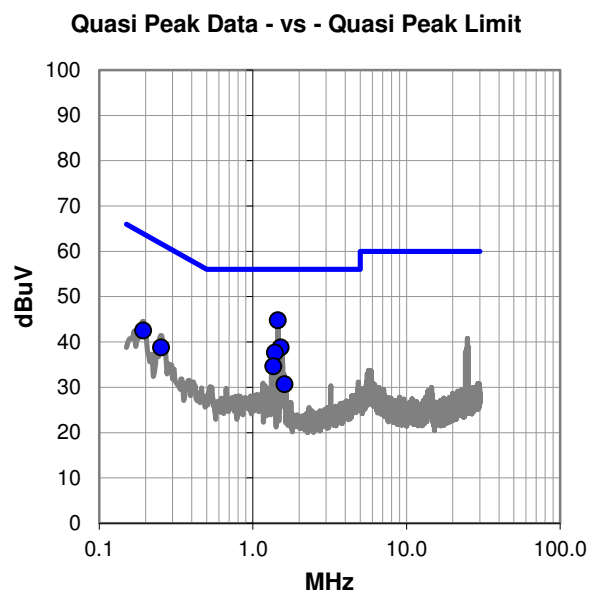
None

## EUT OPERATING MODES

Single channel continuous transmission. Channel 11 2462 MHz, 1 Mbps.

## DEVIATIONS FROM TEST STANDARD

None



# AC – POWERLINE CONDUCTED EMISSIONS

## RESULTS - Run #4

Quasi Peak Data - vs - Quasi Peak Limit

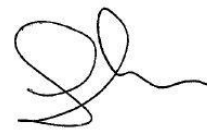
| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 1.457      | 24.6        | 20.1        | 44.7            | 56.0               | -11.3       |
| 1.521      | 18.6        | 20.2        | 38.8            | 56.0               | -17.2       |
| 1.393      | 17.5        | 20.1        | 37.6            | 56.0               | -18.4       |
| 1.362      | 14.5        | 20.1        | 34.6            | 56.0               | -21.4       |
| 0.193      | 22.2        | 20.3        | 42.5            | 63.9               | -21.4       |
| 0.253      | 18.5        | 20.2        | 38.7            | 61.7               | -22.9       |
| 1.606      | 10.5        | 20.2        | 30.7            | 56.0               | -25.3       |

Average Data - vs - Average Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 1.457      | 24.2        | 20.1        | 44.3            | 46.0               | -1.7        |
| 1.521      | 17.5        | 20.2        | 37.7            | 46.0               | -8.3        |
| 1.393      | 16.3        | 20.1        | 36.4            | 46.0               | -9.6        |
| 0.193      | 19.2        | 20.3        | 39.5            | 53.9               | -14.4       |
| 1.606      | 9.8         | 20.2        | 30.0            | 46.0               | -16.0       |
| 0.253      | 14.3        | 20.2        | 34.5            | 51.7               | -17.1       |
| 1.362      | 0.1         | 20.1        | 20.2            | 46.0               | -25.8       |

## CONCLUSION

Pass



Tested By

# AC – POWERLINE CONDUCTED EMISSIONS

|                   |                     |                    |            |
|-------------------|---------------------|--------------------|------------|
| EUT:              | Zoll CF Card Module | Work Order:        | LGPD0165   |
| Serial Number:    | 0216M00003          | Date:              | 02/02/2016 |
| Customer:         | ZOLL Medical Corp.  | Temperature:       | 22.5°C     |
| Attendees:        | Adam Ford           | Relative Humidity: | 22.6%      |
| Customer Project: | None                | Bar. Pressure:     | 985.4 mb   |
| Tested By:        | Jared Ison          | Job Site:          | MN03       |
| Power:            | 5 VDC               | Configuration:     | LGPD0165-1 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 15.207:2016 | ANSI C63.10:2013 |

## TEST PARAMETERS

|        |   |       |               |                             |   |
|--------|---|-------|---------------|-----------------------------|---|
| Run #: | 5 | Line: | Positive Lead | Add. Ext. Attenuation (dB): | 0 |
|--------|---|-------|---------------|-----------------------------|---|

## COMMENTS

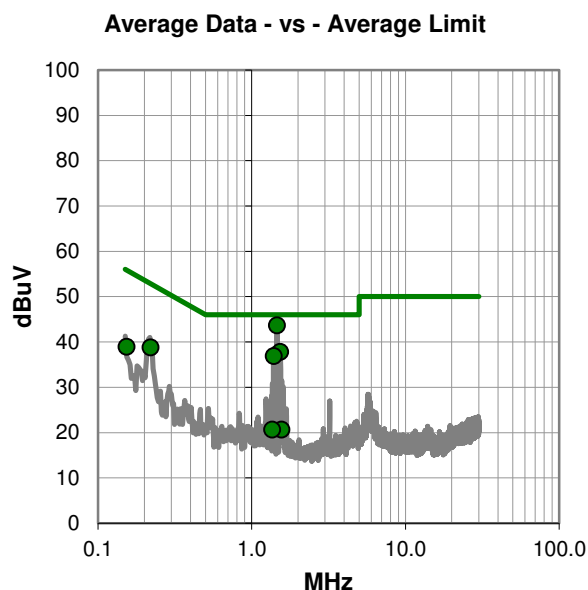
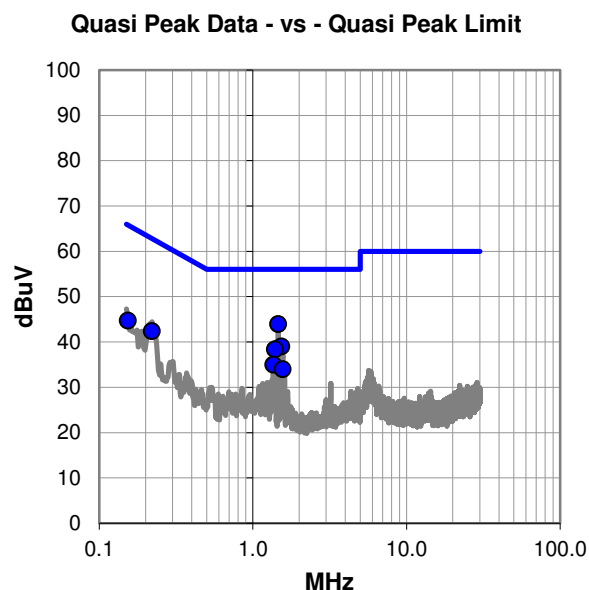
None

## EUT OPERATING MODES

Single channel continuous transmission. Channel 6 2437 MHz, 1 Mbps.

## DEVIATIONS FROM TEST STANDARD

None



# AC – POWERLINE CONDUCTED EMISSIONS

## RESULTS - Run #5

Quasi Peak Data - vs - Quasi Peak Limit

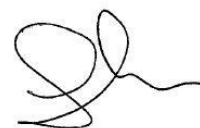
| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 1.464      | 23.8        | 20.1        | 43.9            | 56.0               | -12.1       |
| 1.536      | 18.8        | 20.2        | 39.0            | 56.0               | -17.0       |
| 1.391      | 18.2        | 20.1        | 38.3            | 56.0               | -17.7       |
| 0.220      | 22.1        | 20.3        | 42.4            | 62.8               | -20.5       |
| 1.363      | 14.8        | 20.1        | 34.9            | 56.0               | -21.1       |
| 0.153      | 24.3        | 20.4        | 44.7            | 65.8               | -21.1       |
| 1.564      | 13.8        | 20.2        | 34.0            | 56.0               | -22.0       |

Average Data - vs - Average Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 1.464      | 23.5        | 20.1        | 43.6            | 46.0               | -2.4        |
| 1.536      | 17.6        | 20.2        | 37.8            | 46.0               | -8.2        |
| 1.391      | 16.7        | 20.1        | 36.8            | 46.0               | -9.2        |
| 0.220      | 18.5        | 20.3        | 38.8            | 52.8               | -14.1       |
| 0.153      | 18.5        | 20.4        | 38.9            | 55.8               | -16.9       |
| 1.564      | 0.5         | 20.2        | 20.7            | 46.0               | -25.3       |
| 1.363      | 0.5         | 20.1        | 20.6            | 46.0               | -25.4       |

## CONCLUSION

Pass



Tested By

# AC – POWERLINE CONDUCTED EMISSIONS

|                   |                     |                    |            |
|-------------------|---------------------|--------------------|------------|
| EUT:              | Zoll CF Card Module | Work Order:        | LGPD0165   |
| Serial Number:    | 0216M00003          | Date:              | 02/02/2016 |
| Customer:         | ZOLL Medical Corp.  | Temperature:       | 22.5°C     |
| Attendees:        | Adam Ford           | Relative Humidity: | 22.6%      |
| Customer Project: | None                | Bar. Pressure:     | 985.4 mb   |
| Tested By:        | Jared Ison          | Job Site:          | MN03       |
| Power:            | 5 VDC               | Configuration:     | LGPD0165-1 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 15.207:2016 | ANSI C63.10:2013 |

## TEST PARAMETERS

|        |   |       |               |                             |   |
|--------|---|-------|---------------|-----------------------------|---|
| Run #: | 6 | Line: | Negative Lead | Add. Ext. Attenuation (dB): | 0 |
|--------|---|-------|---------------|-----------------------------|---|

## COMMENTS

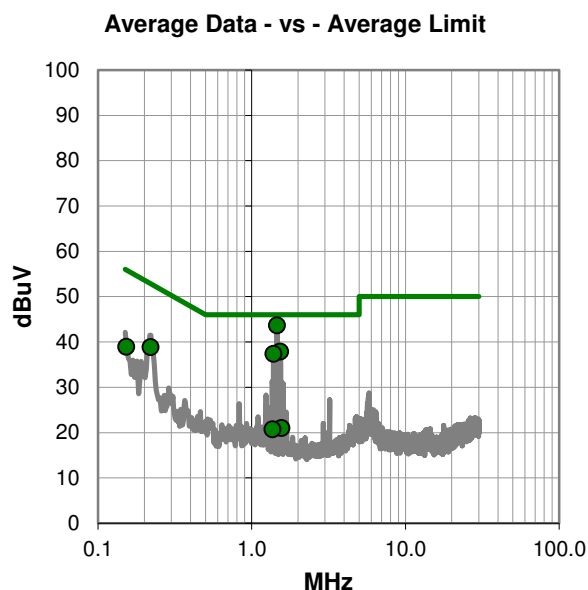
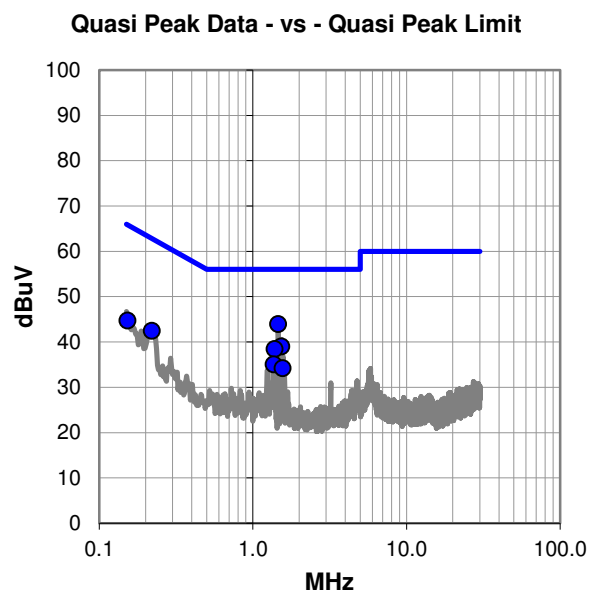
None

## EUT OPERATING MODES

Single channel continuous transmission. Channel 6 2437 MHz, 1 Mbps.

## DEVIATIONS FROM TEST STANDARD

None



# AC – POWERLINE CONDUCTED EMISSIONS

## RESULTS - Run #6

Quasi Peak Data - vs - Quasi Peak Limit

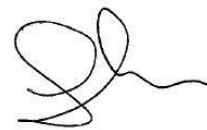
| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 1.463      | 23.8        | 20.1        | 43.9            | 56.0               | -12.1       |
| 1.537      | 18.8        | 20.2        | 39.0            | 56.0               | -17.0       |
| 1.390      | 18.3        | 20.1        | 38.4            | 56.0               | -17.6       |
| 0.220      | 22.2        | 20.3        | 42.5            | 62.8               | -20.4       |
| 1.365      | 14.9        | 20.1        | 35.0            | 56.0               | -21.0       |
| 0.153      | 24.3        | 20.4        | 44.7            | 65.8               | -21.1       |
| 1.567      | 14.0        | 20.2        | 34.2            | 56.0               | -21.8       |

Average Data - vs - Average Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 1.463      | 23.5        | 20.1        | 43.6            | 46.0               | -2.4        |
| 1.537      | 17.7        | 20.2        | 37.9            | 46.0               | -8.1        |
| 1.390      | 17.2        | 20.1        | 37.3            | 46.0               | -8.7        |
| 0.220      | 18.6        | 20.3        | 38.9            | 52.8               | -14.0       |
| 0.153      | 18.5        | 20.4        | 38.9            | 55.8               | -16.9       |
| 1.567      | 0.8         | 20.2        | 21.0            | 46.0               | -25.0       |
| 1.365      | 0.6         | 20.1        | 20.7            | 46.0               | -25.3       |

## CONCLUSION

Pass



Tested By