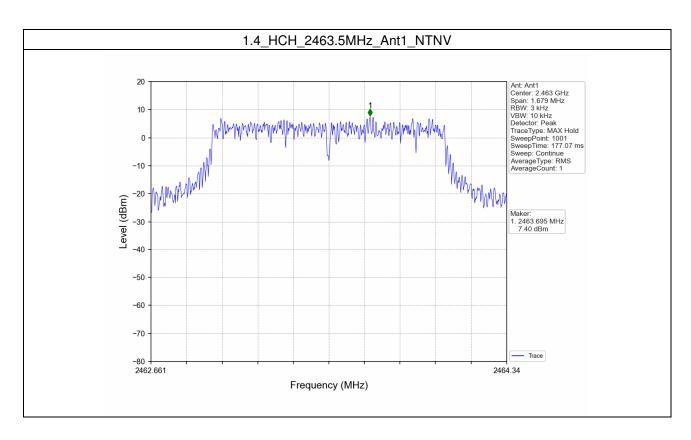
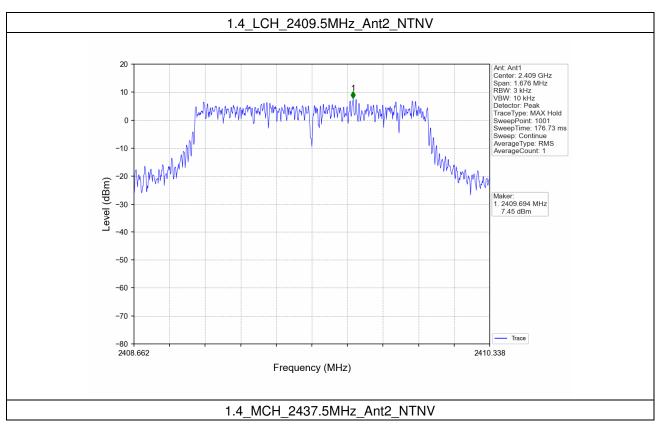


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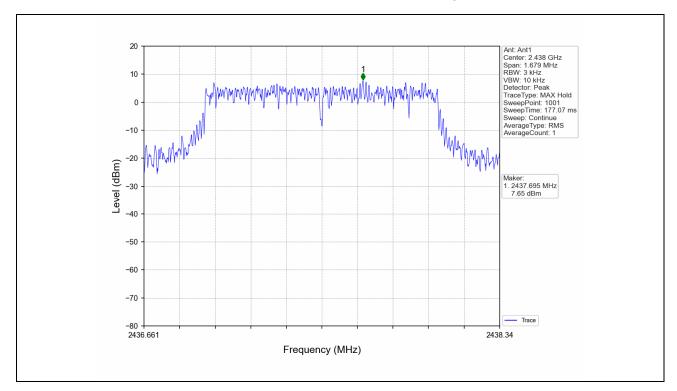
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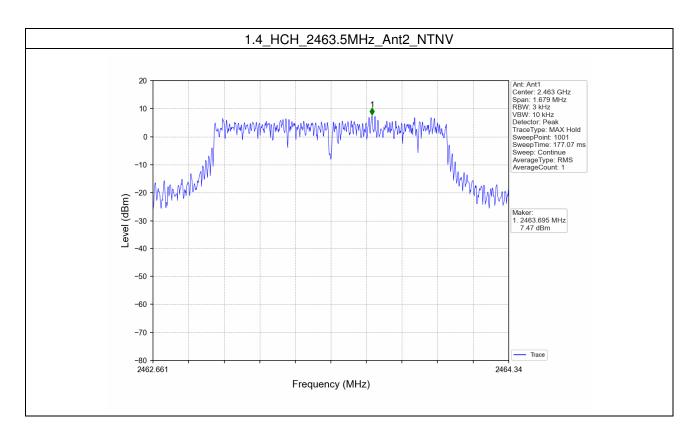
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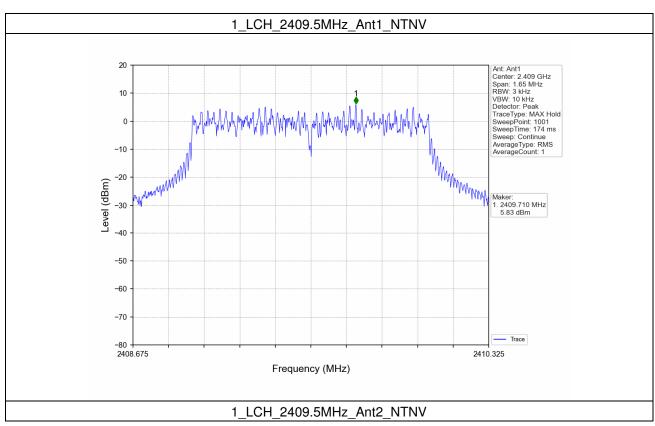
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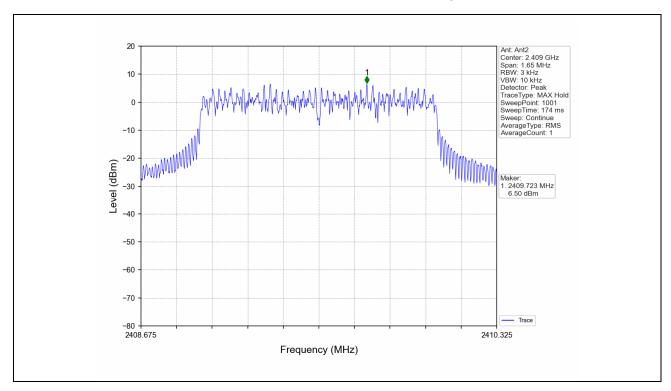
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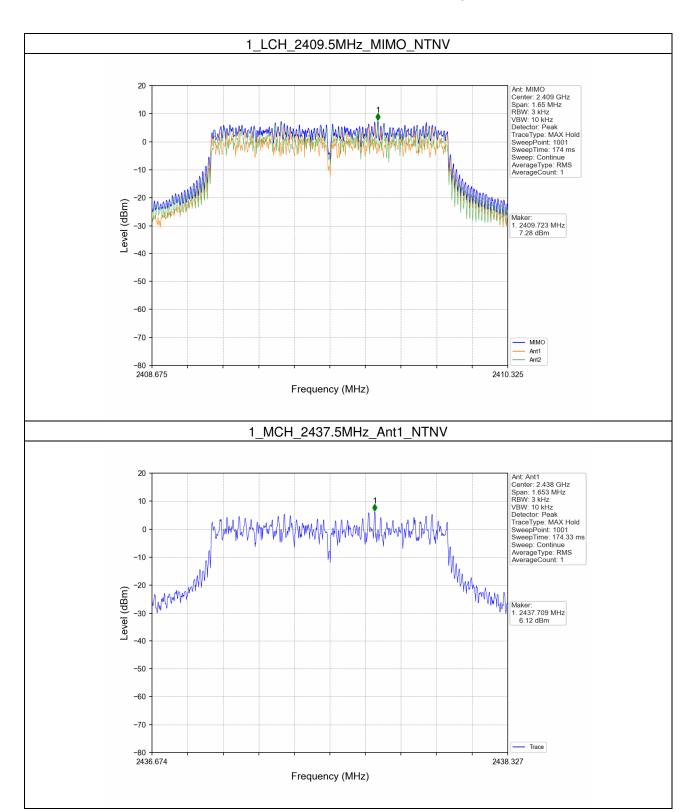
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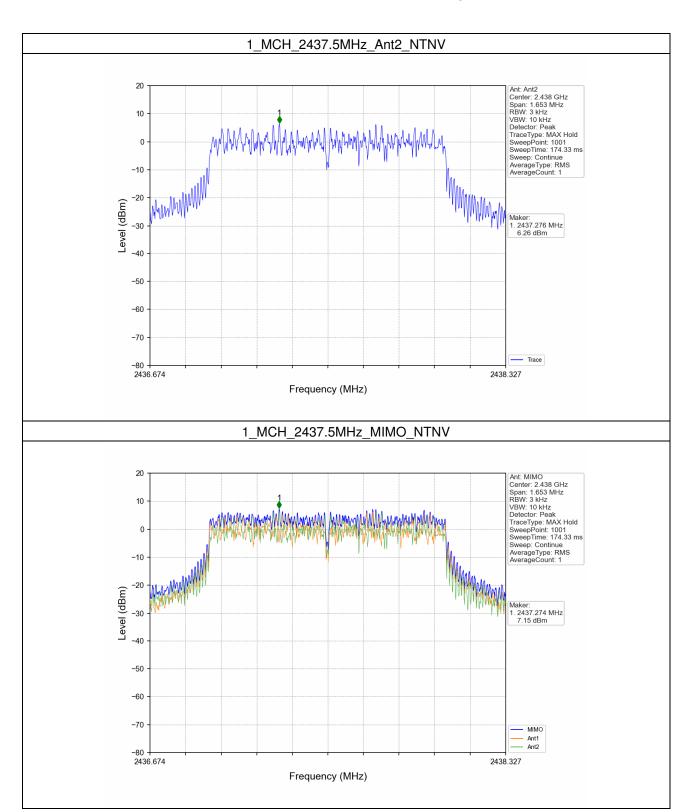
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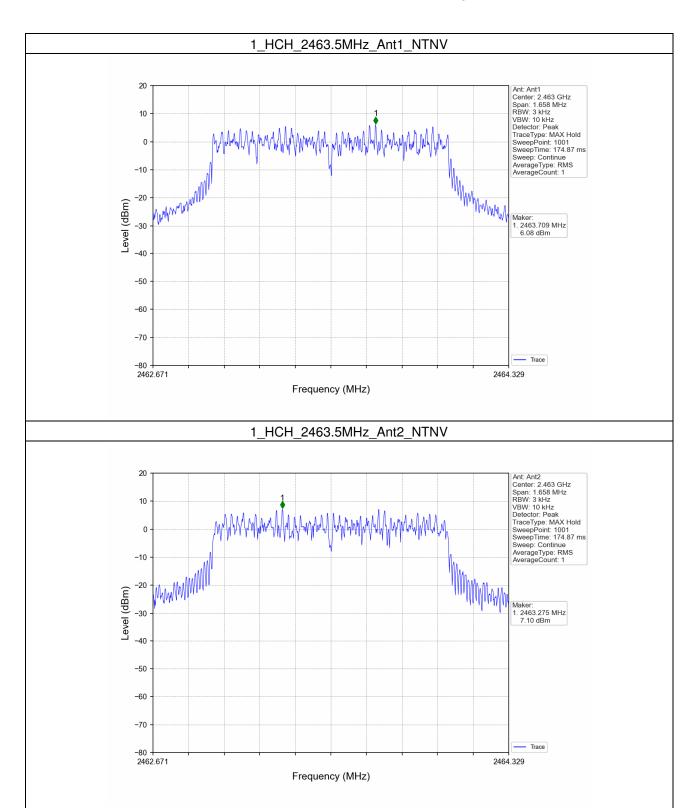
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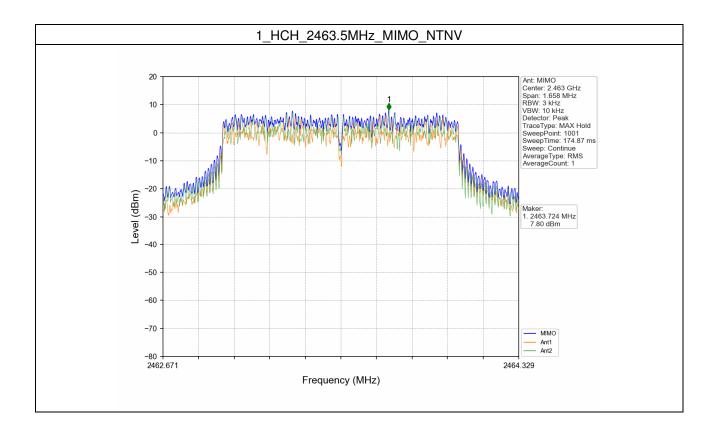
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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | Ant | Level of Reference (dBm) | Limit (dBm) | Verdict |
|-------|------------|-----------------------|-----|--------------------------|-------------|---------|
| | 1.4M MIMO | 0400 F | 1 | 17.34 | / | / |
| | | 2409.5 MIMO 2437.5 | 2 | 17.82 | / | / |
| 4.41/ | | | 1 | 18.39 | / | / |
| 1.4W | | | 2 | 19.16 | / | / |
| | | 0460 F | 1 | 18.88 | / | / |
| | | 2463.5 | | 19.94 | / | / |

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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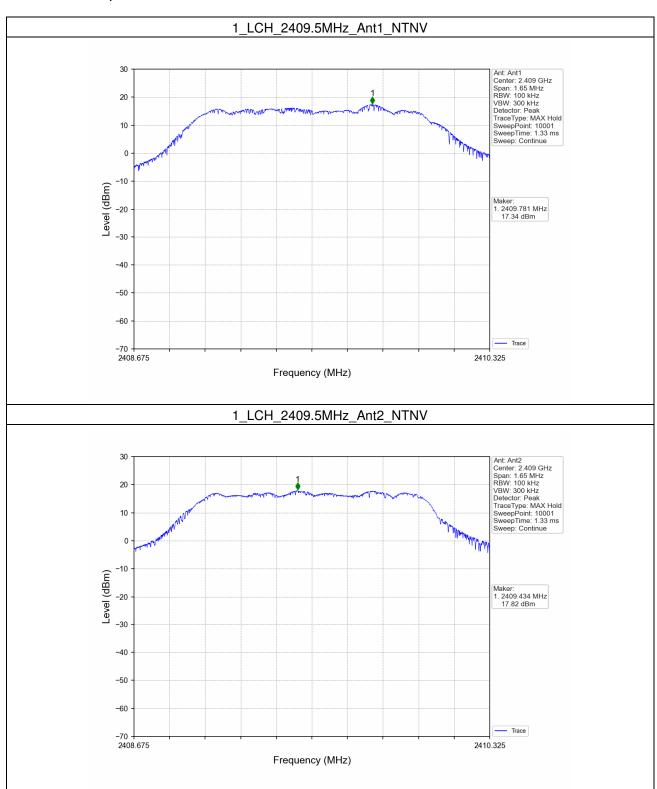
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5.1.2 Test Graph





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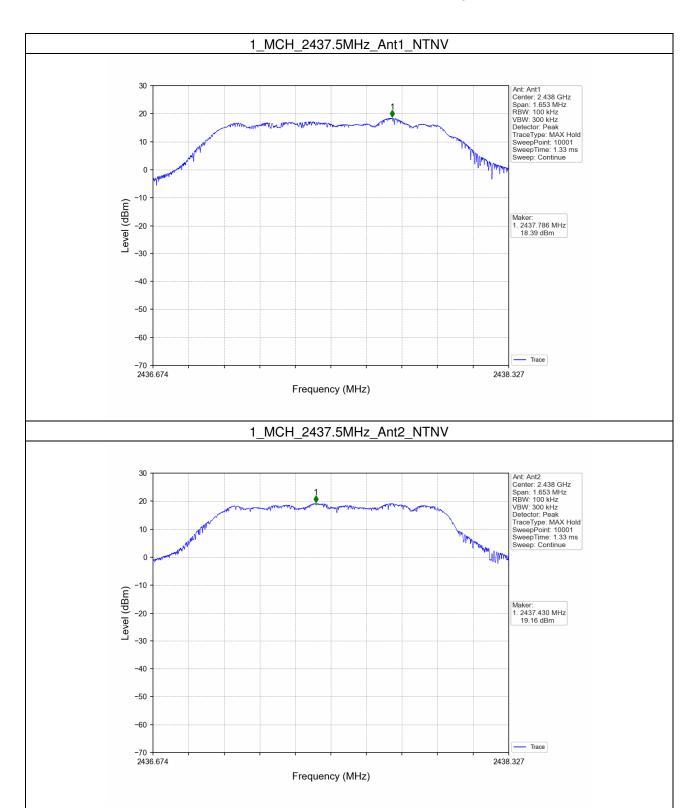
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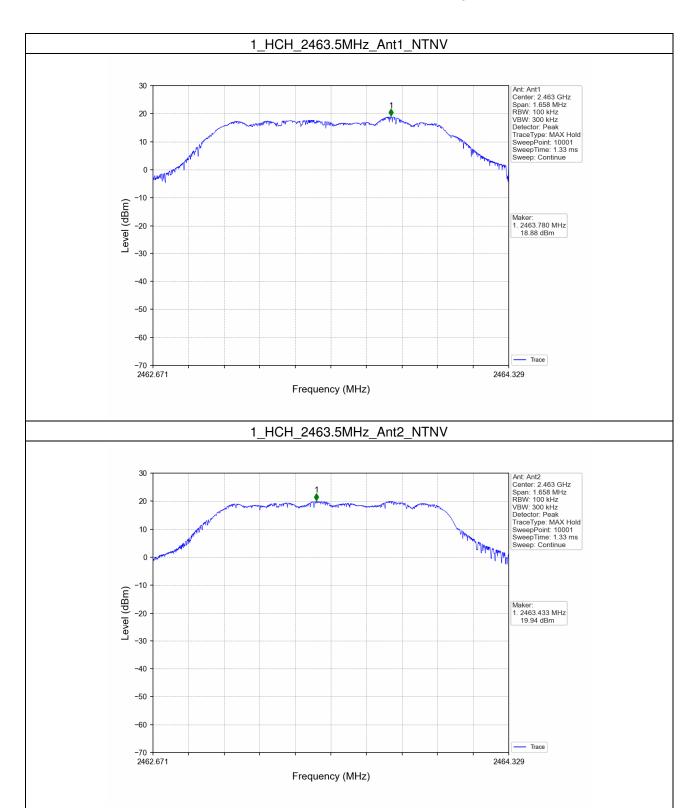
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5.2 CSE

5.2.1 Test Result

| Mode | TX Type | Frequency (MHz) | Ant | Level of Reference (dBm) | Limit (dBm) | Verdict |
|-------|------------|-----------------|---------------------|--------------------------|------------------------|---------|
| | | 2400 5 | 1 | Refer To Test Graph | Refer To Test Graph | Pass |
| | | 2409.5 | 2 | Refer To Test Graph | Refer To Test Graph | Pass |
| 4 414 | 1.4M MIMO | | 1 | Refer To Test Graph | Refer To Test Graph | Pass |
| 1.4M | | | 2 | Refer To Test Graph | Refer To Test Graph | Pass |
| | | | 1 | Refer To Test Graph | Refer To Test Graph | Pass |
| | 2463.5 | 2 | Refer To Test Graph | Refer To Test Graph | Pass | |

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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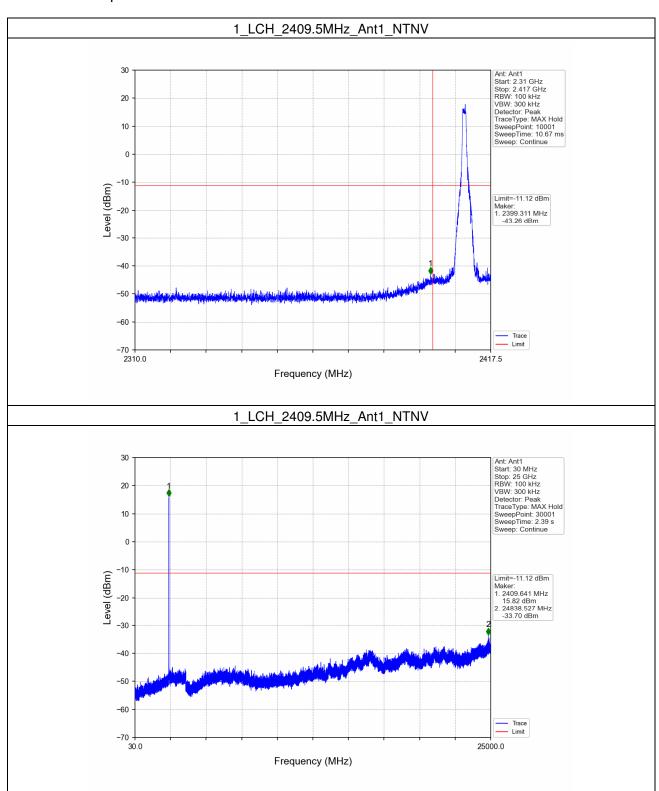
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5.2.2 Test Graph





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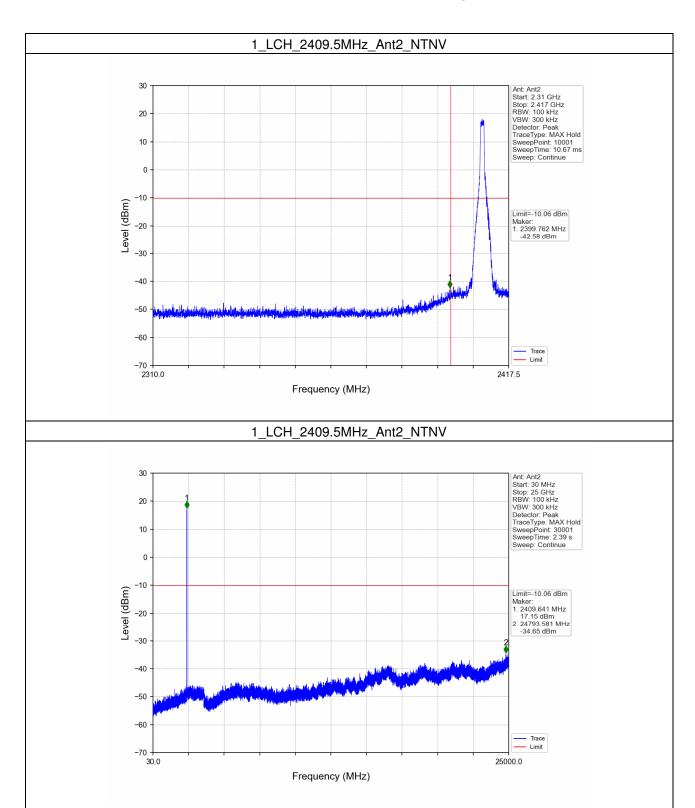
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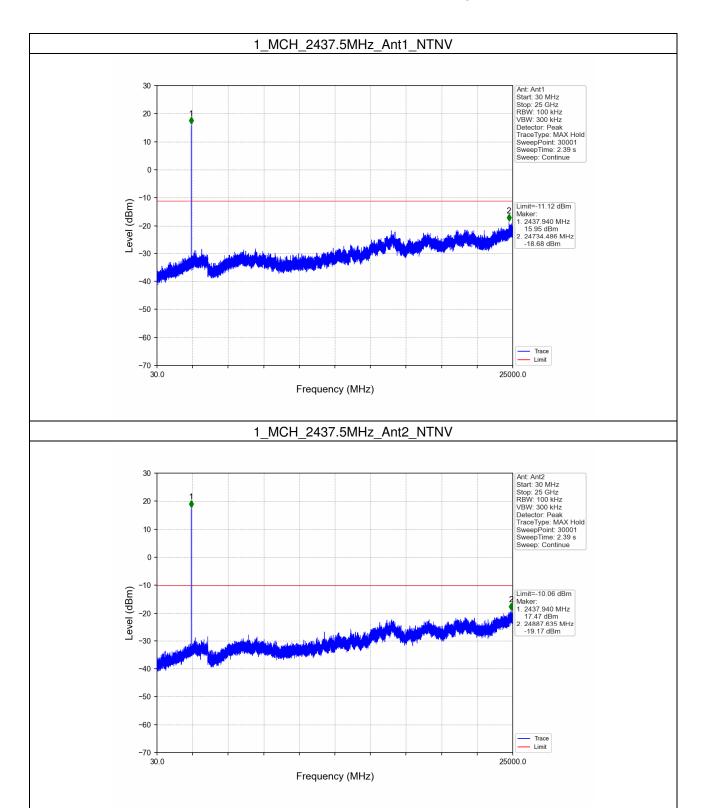
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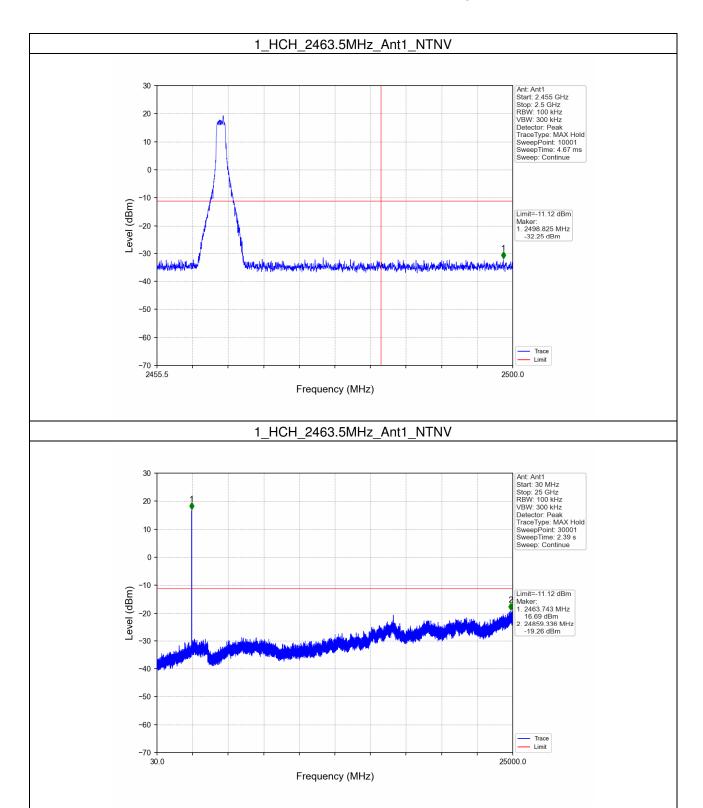
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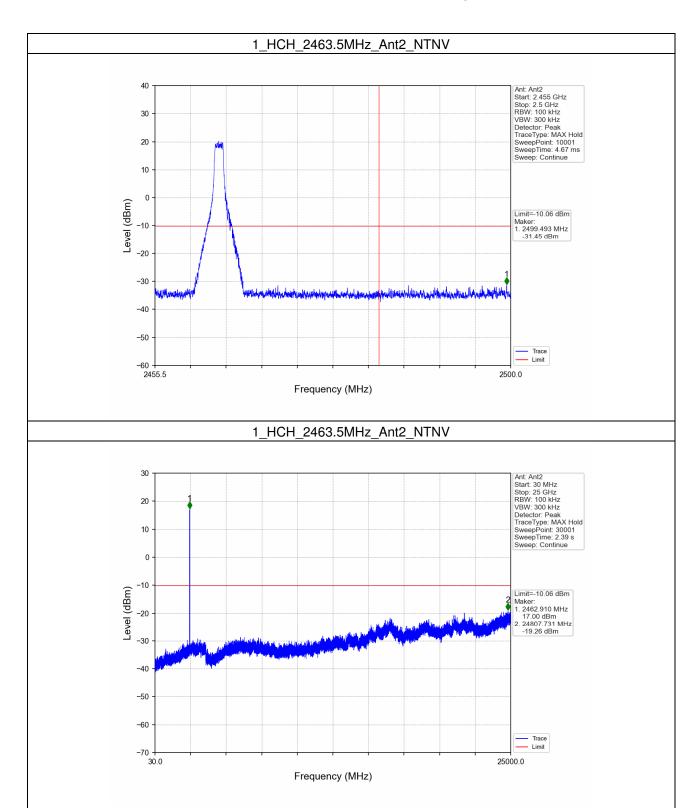
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1.4MHz CA BW

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

| | Ant1 | | | | | | | | | | | |
|---------|---------|--------------------|-----------|-------------|-------------------|---|--------------------------|--|--|--|--|--|
| Mode | ТХ Туре | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) | | | | | |
| | | 2411.12 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | | | | | |
| 1.4M CA | MIMO | 2439.12 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | | | | | |
| | | 2465.12 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | | | | | |



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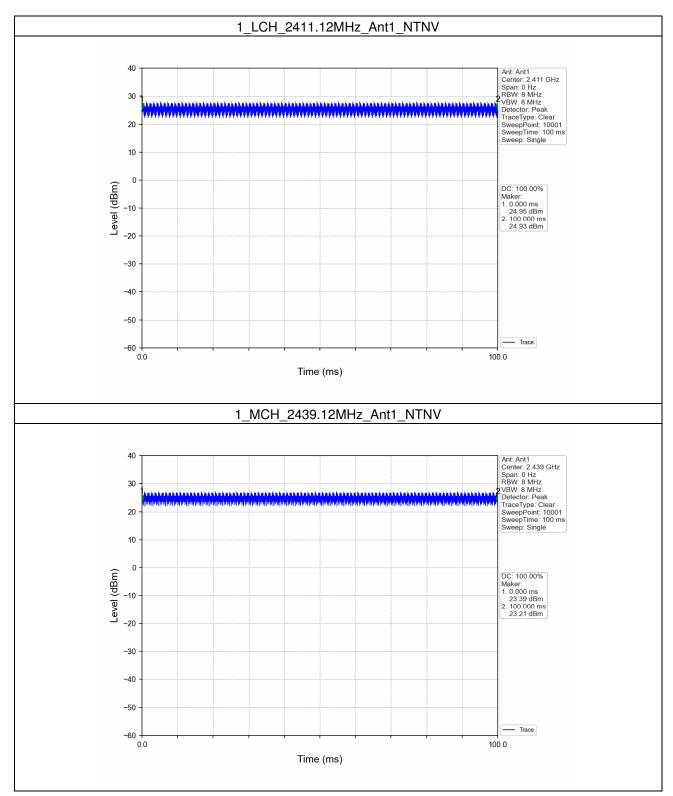
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1.1.2 Test Graph





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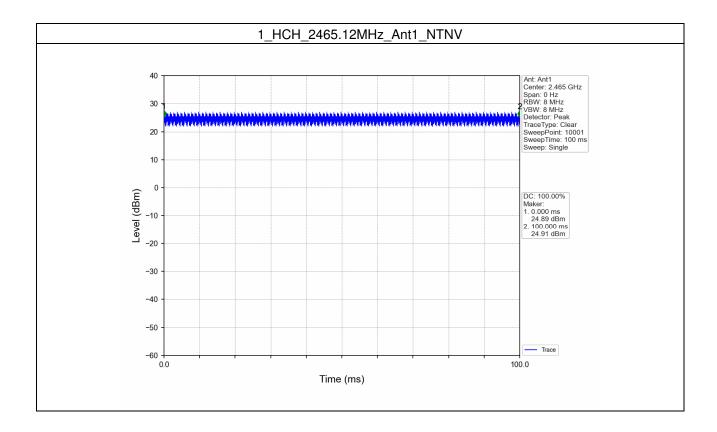
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2. Bandwidth

2.1 OBW

2.1.1 Test Result

| Mode | ТХ Туре | Frequency (MHz) | Ant | 99% Occupied Bandwidth (MHz) | Limit | Verdict |
|---------|---------|-----------------|-----|------------------------------|-------|---------|
| | | 2411.12 | 1 | 1.27 | / | Pass |
| 1.4M CA | MIMO | 2439.12 | 1 | 1.28 | / | Pass |
| | | 2465.12 | 1 | 1.28 | / | Pass |



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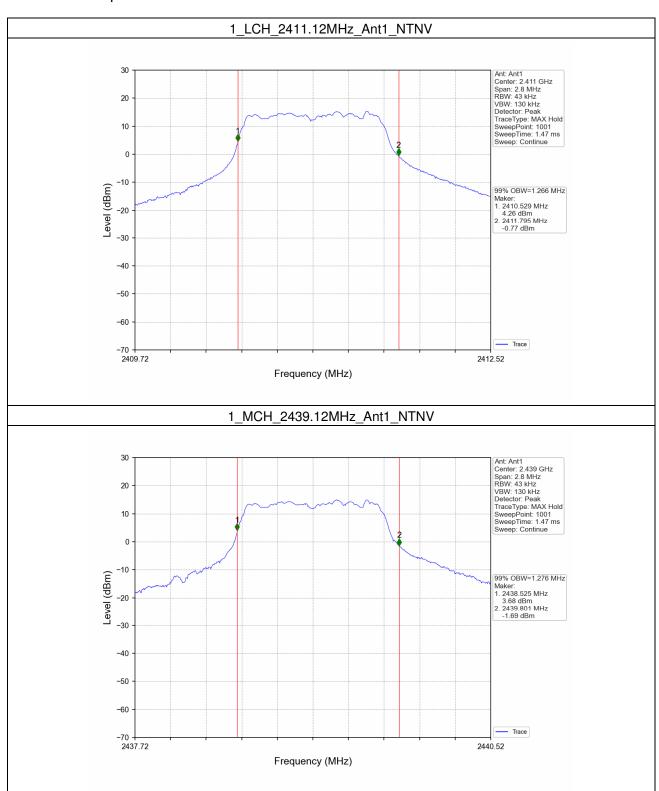
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2.1.2 Test Graph





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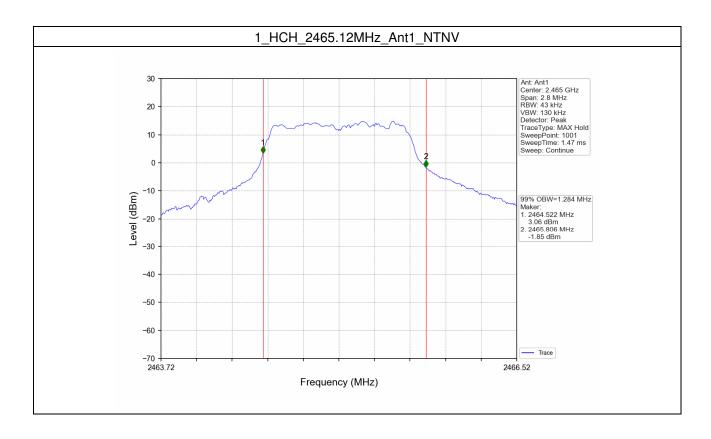
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2.2 6dB BW

2.2.1 Test Result

| Mode | TX Type | Frequency (MHz) | Ant | 6dB Bandwidth (MHz) | Limit | Verdict |
|--------------|---------|-----------------|------|---------------------|-------|---------|
| 1.4M CA MIMO | 2411.12 | 1 | 1.10 | >=0.5 | Pass | |
| | MIMO | 2439.12 | 1 | 1.10 | >=0.5 | Pass |
| | | 2465.12 | 1 | 1.10 | >=0.5 | Pass |



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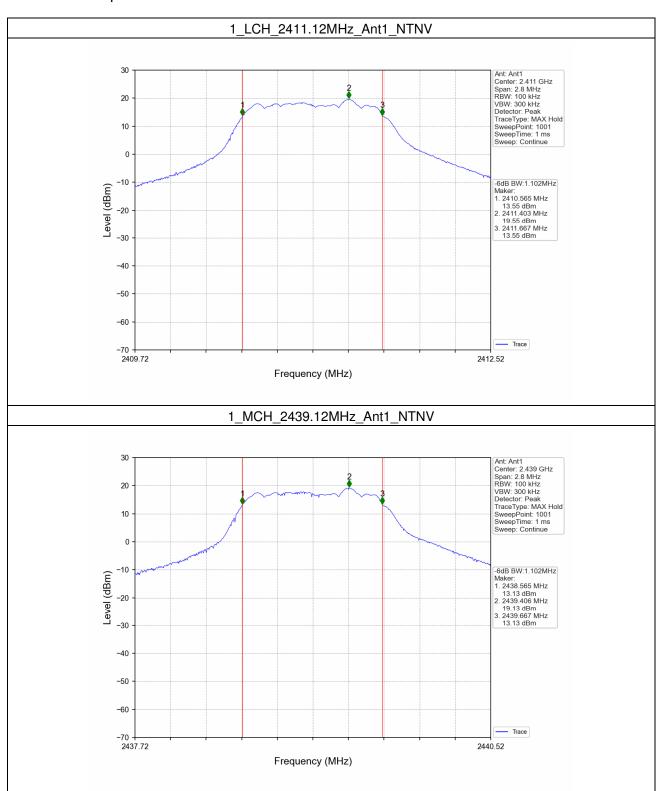
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2.2.2 Test Graph





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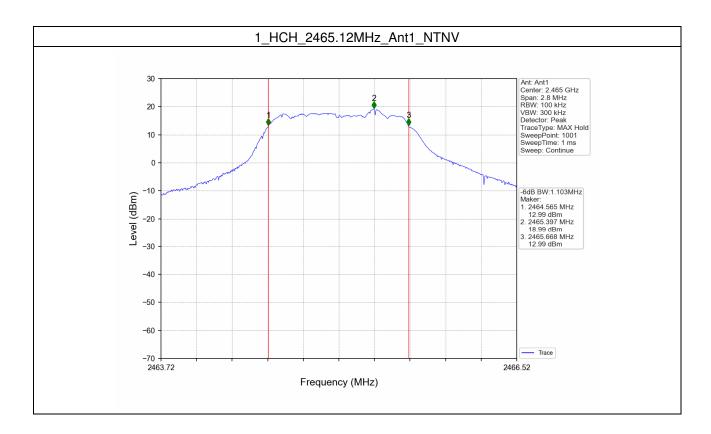
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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Antenna 1:

| Mode | TV Tuno | Fraguesay (MIIIa) | Measured Average | Output Power (dBm) | Verdict | |
|-------------------------------------|---------|-------------------|------------------|--------------------|---------|--|
| | TX Type | Frequency (MHz) | Ant1 | Limit | verdict | |
| 1.4M CA SISO | 2411.12 | 24.77 | <=30 | Pass | | |
| | 2439.12 | 24.48 | <=30 | Pass | | |
| | 2465.12 | 24.59 | <=30 | Pass | | |
| Note1: Antenna Gain: Ant1: 3.00dBi; | | | | | | |

Antenna 2:

| Mode | TV Tuno | Fraguency (MIII) | Measured Average (| Output Power (dBm) | Verdict | |
|-------------------------------------|--------------|------------------|--------------------|--------------------|---------|--|
| Mode T | TX Type | Frequency (MHz) | Ant1 | Limit | verdict | |
| | 2411.12 | | 24.15 | <=30 | Pass | |
| 1.4M CA | 1.4M CA SISO | 2439.12 | 24.18 | <=30 | Pass | |
| | | 2465.12 | 24.67 | <=30 | Pass | |
| Note1: Antenna Gain: Ant1: 3.00dBi; | | | | | | |

| Mode TX Type | Frequency | Measured A | verage Output P | ower (dBm) | Limit (dDm) | Verdict | |
|-----------------|-----------|------------|-----------------|------------|-------------|---------|------|
| | (MHz) | Ant1 | Ant2 | Sum | Limit (dBm) | verdict | |
| 1.4M CA MIMO | | 2411.12 | 20.97 | 21.41 | 24.21 | <=29.9 | Pass |
| | MIMO | 2439.12 | 21.67 | 21.67 | 24.68 | <=29.9 | Pass |
| | | 2465.12 | 21.80 | 21.58 | 24.70 | <=29.9 | Pass |

Note1: Antenna Gain: Ant1: 3.00dBi; Ant2: 3.00dBi;

Note2: Directional Gain= $G_{Ant}+10log (N_{Ant}) dBi = 3.0+10log (2) dBi = 6.01dBi$



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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Antenna 1:

| Mada | Mode TX Type | Eroguenov (MHz) | Maximum PSD (dBm/3kHz) | | | | |
|-------------------------------------|-----------------|-----------------|------------------------|---------|------|--|--|
| iviode 1X Type | Frequency (MHz) | Ant1 | Limit | Verdict | | | |
| | | 2411.12 | 7.72 | <=8 | Pass | | |
| 1.4 CA | SISO | 2439.12 | 7.46 | <=8 | Pass | | |
| | 2465.12 | 7.34 | <=8 | Pass | | | |
| Note1: Antenna Gain: Ant1: 3.00dBi; | | | | | | | |

Antenna 2:

| Mode TX Type | Fraguenov (MIIIa) | Maximum PSD (dBm/3kHz) | | | | | | |
|--------------|-------------------------------------|------------------------|-------|---------|------|--|--|--|
| | Frequency (MHz) | Ant1 | Limit | Verdict | | | | |
| | 2411.12 | 7.55 | <=8 | Pass | | | | |
| 1.4 CA | SISO | 2439.12 | 7.64 | <=8 | Pass | | | |
| | | 2465.12 | 7.37 | <=8 | Pass | | | |
| Note1: An | Note1: Antenna Gain: Ant1: 3.00dBi; | | | | | | | |

| Mode TX Type | Frequency | Maxir | num PSD (dBm/ | 3kHz) | Limit | Verdict | |
|-----------------|--|---------|---------------|-------|------------|---------|------|
| | (MHz) | Ant1 | Ant2 | Sum | (dBm/3kHz) | | |
| | | 2411.12 | 6.44 | 6.95 | 7.72 | <=8 | Pass |
| 1.4M CA | MIMO | 2439.12 | 6.22 | 6.28 | 7.21 | <=8 | Pass |
| | | 2465.12 | 6.12 | 6.99 | 7.74 | <=8 | Pass |
| Note1: An | Note1: Antenna Gain: Ant1: 3.00dBi; Ant2: 3.00dBi; | | | | | | |



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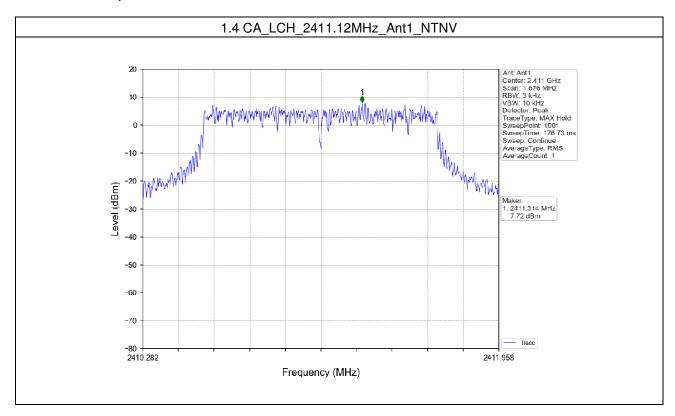
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4.1.2 Test Graph





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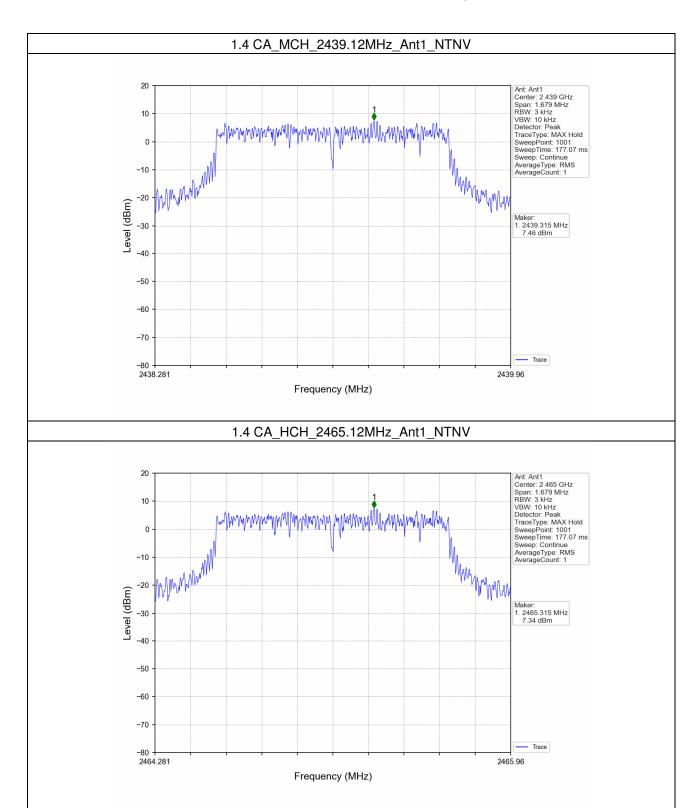
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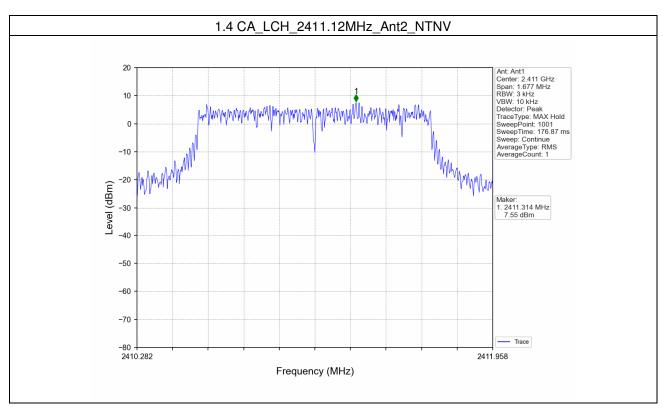
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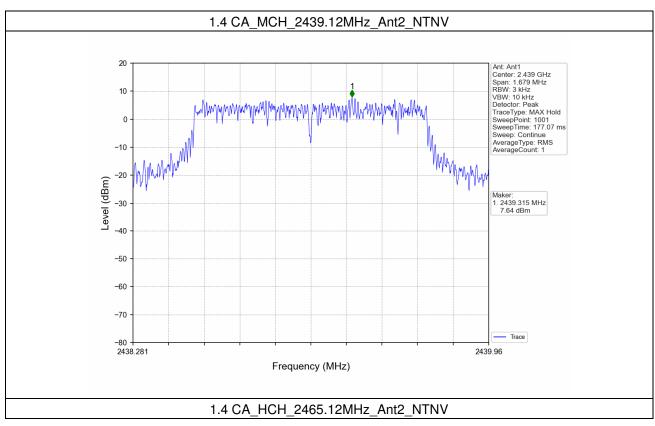
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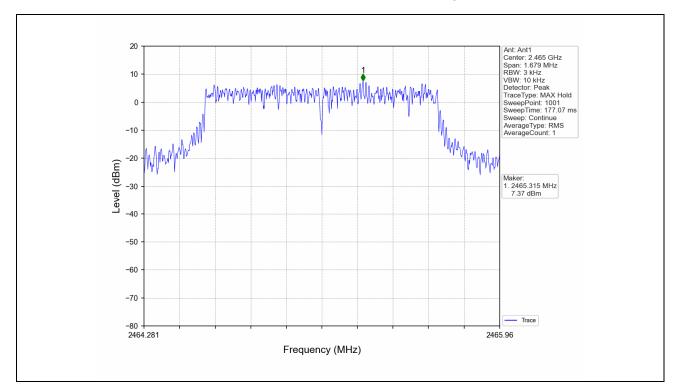
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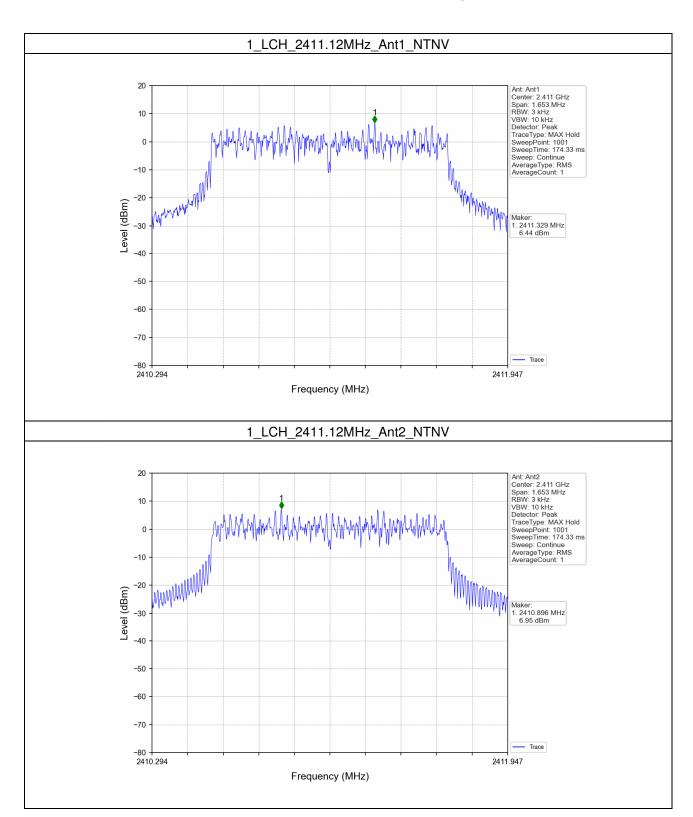
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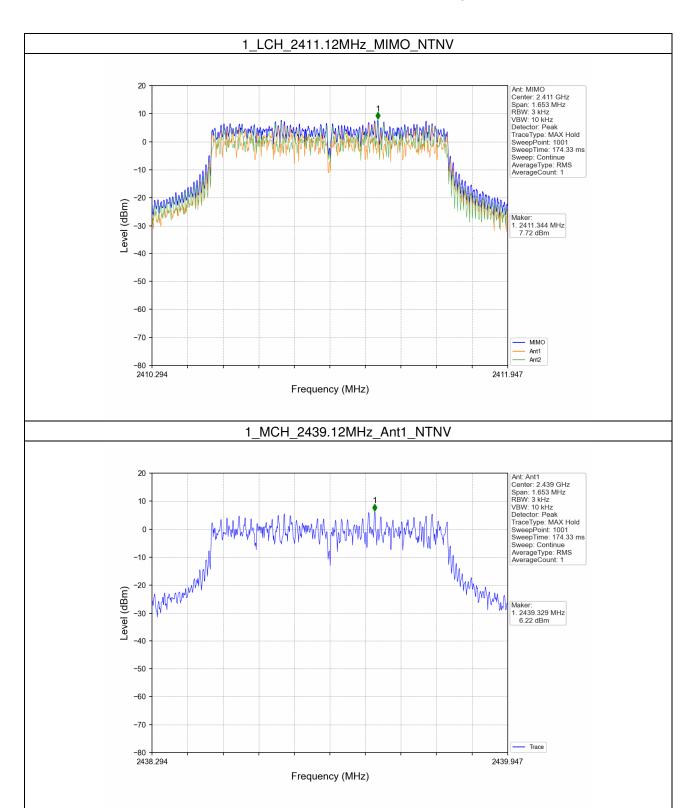
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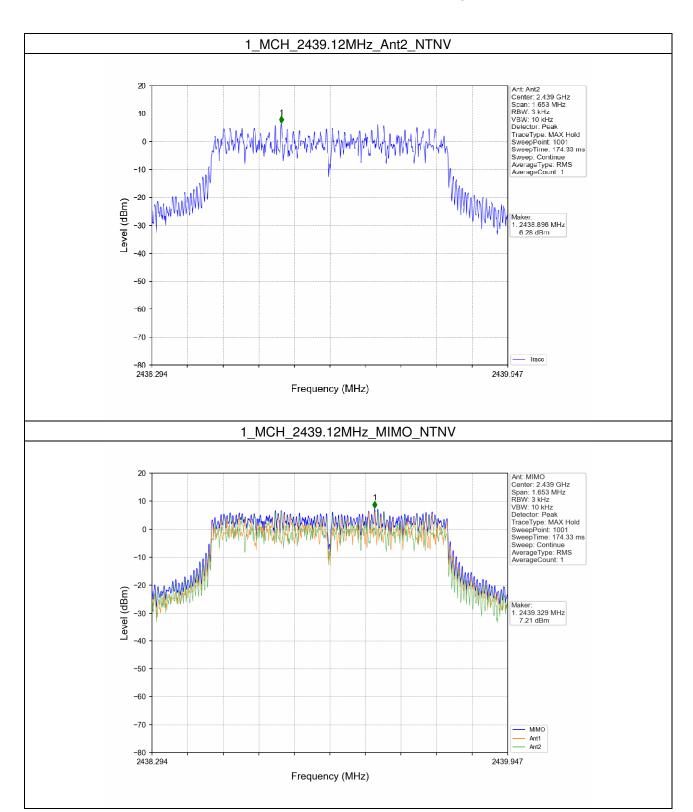
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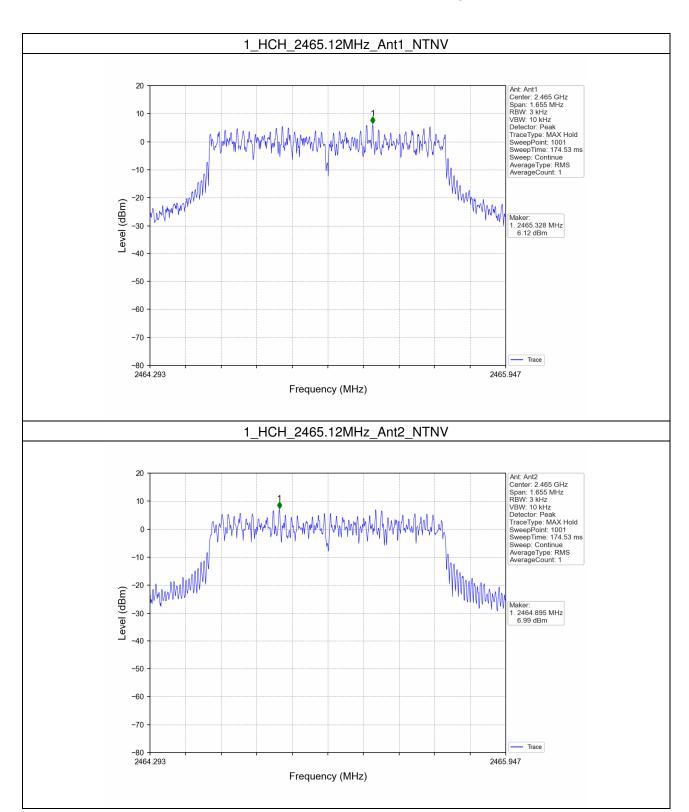
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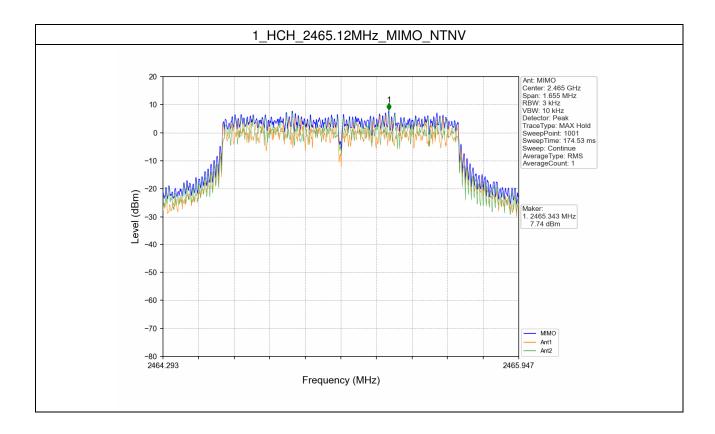
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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | Ant | Level of Reference (dBm) | Limit (dBm) | Verdict |
|-----------------|------------|-----------------|-----|--------------------------|-------------|---------|
| | | 0411.10 | 1 | 19.39 | / | / |
| | | 2411.12 | 2 | 19.17 | / | / |
| 1 4M CA | NAINAO | 0420.10 | 1 | 19.02 | / | / |
| 1.4 M CA | MIMO | IMO 2439.12 | 2 | 18.29 | / | / |
| | | 0465 10 | 1 | 18.95 | / | / |
| | | 2465.12 | 2 | 18.94 | / | / |

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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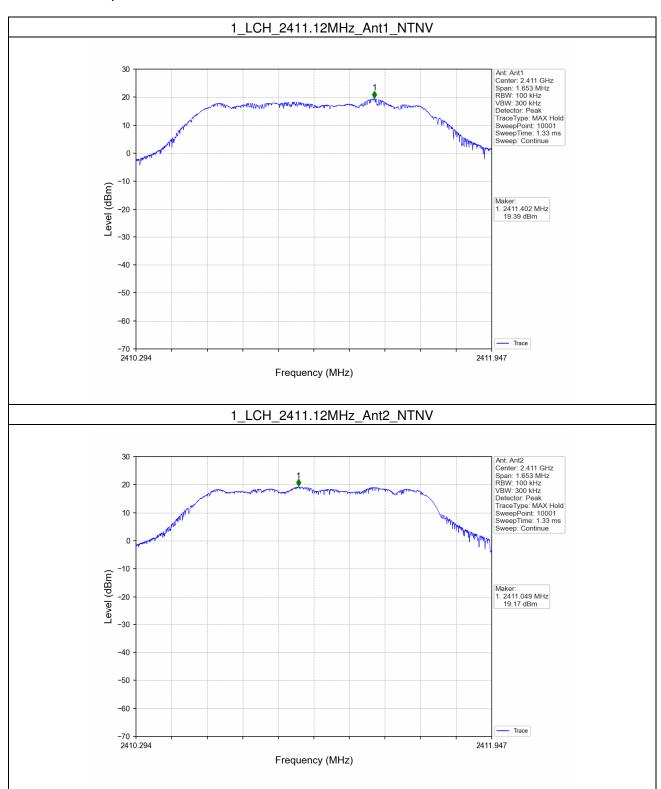
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5.1.2 Test Graph





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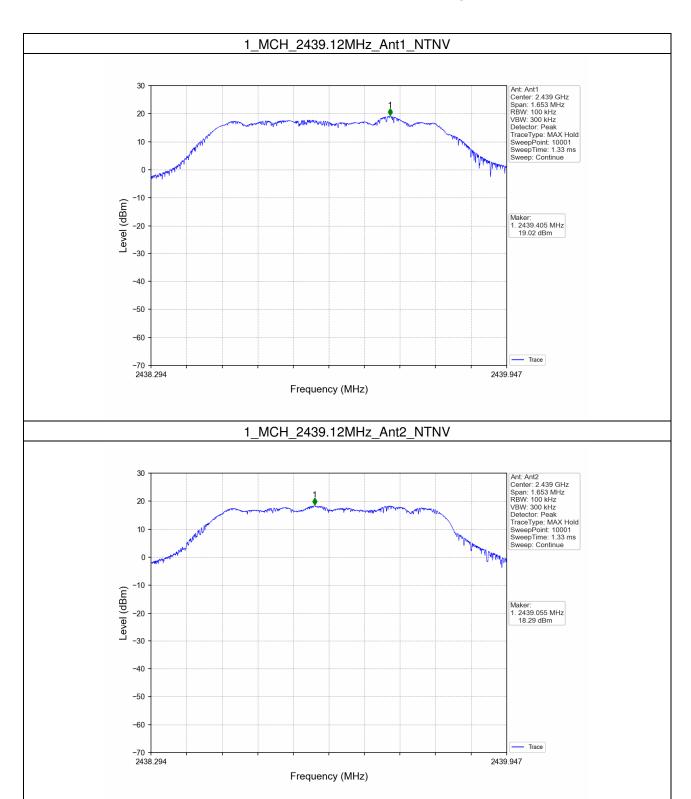
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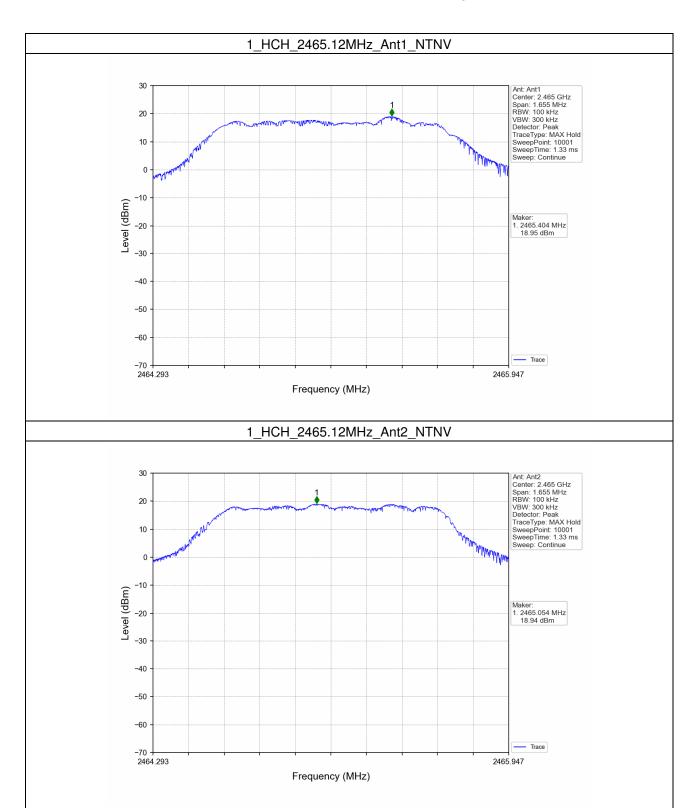
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5.2 CSE

5.2.1 Test Result

| Mode | TX Type | Frequency (MHz) | Ant | Level of Reference (dBm) | Limit (dBm) | Verdict |
|---------|------------|-----------------|---------------------|--------------------------|------------------------|---------|
| | | 2411.12 | 1 | Refer To Test Graph | Refer To Test Graph | Pass |
| | | 2411.12 | 2 | Refer To Test Graph | Refer To Test Graph | Pass |
| 1 AV CA | MINAO | MIMO 2439.12 | 1 | Refer To Test Graph | Refer To Test Graph | Pass |
| 1.4M CA | IVIIIVIO | | 2 | Refer To Test Graph | Refer To Test Graph | Pass |
| | 0405.40 | 1 | Refer To Test Graph | Refer To Test Graph | Pass | |
| | | 2465.12 | 2 | Refer To Test Graph | Refer To Test Graph | Pass |

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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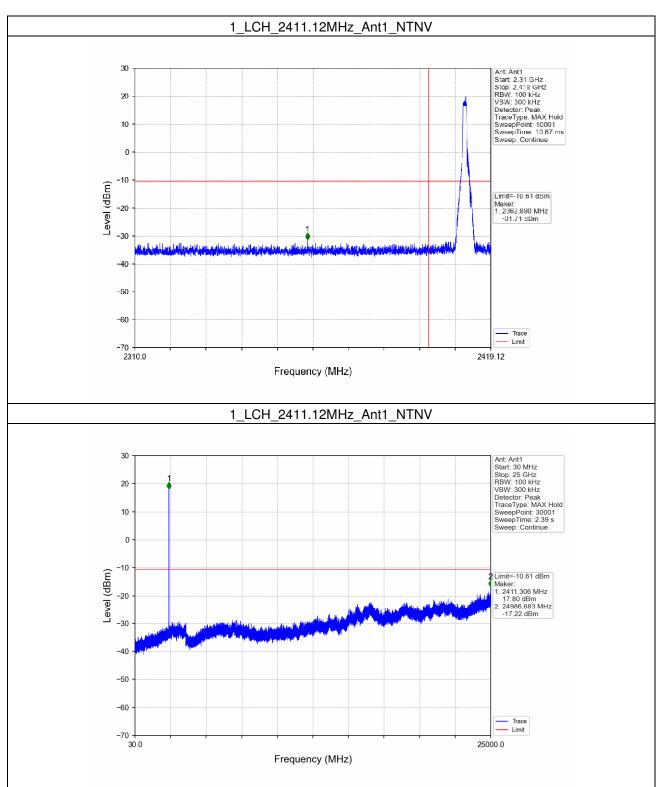
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5.2.2 Test Graph





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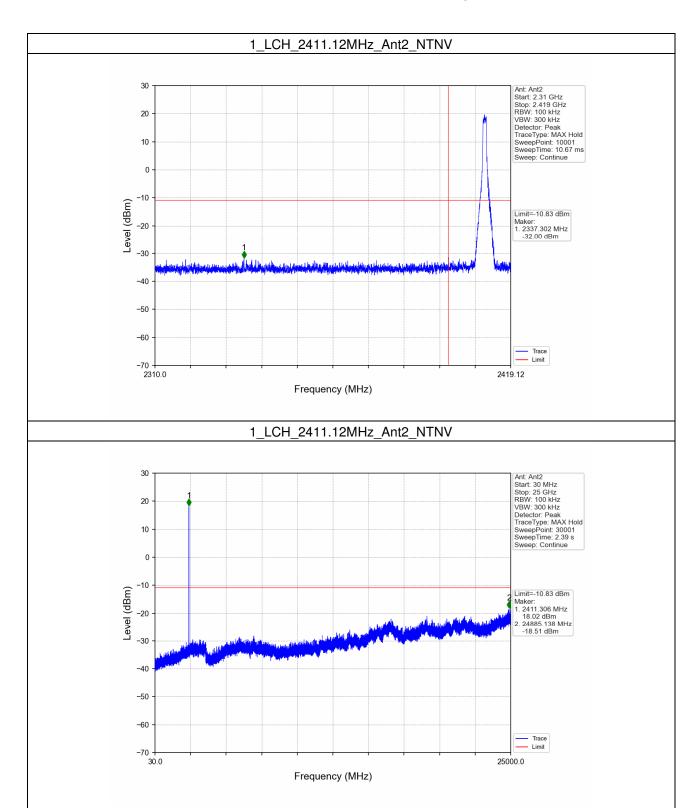
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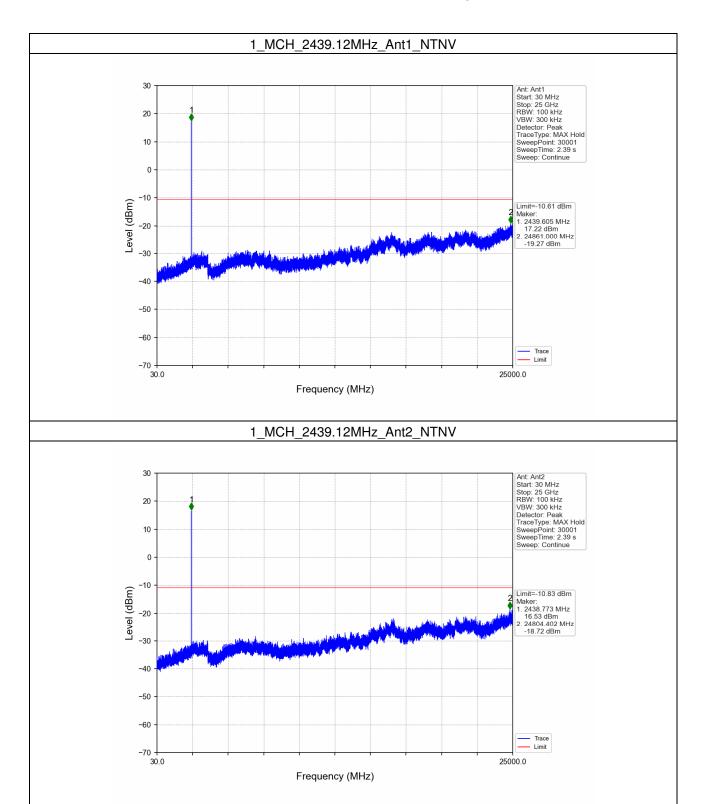
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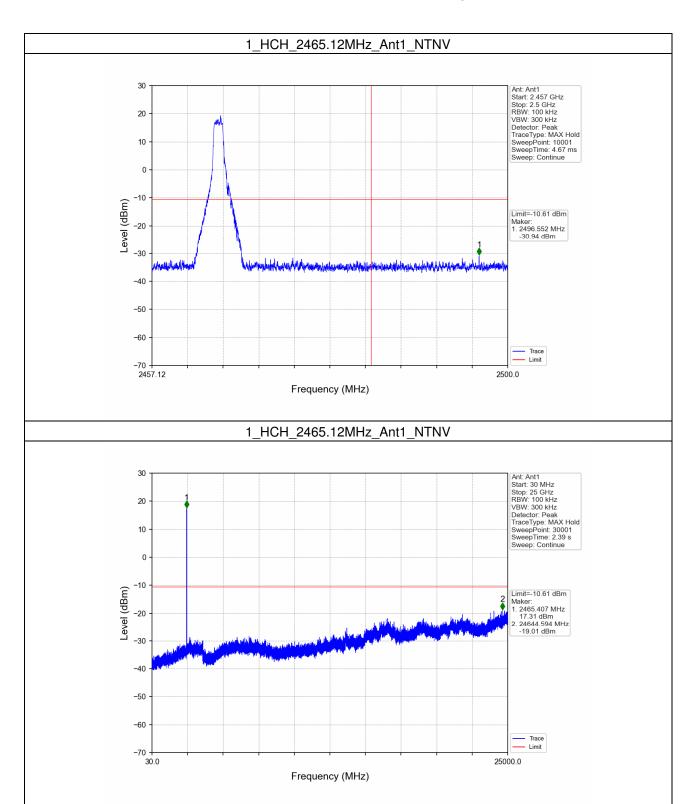
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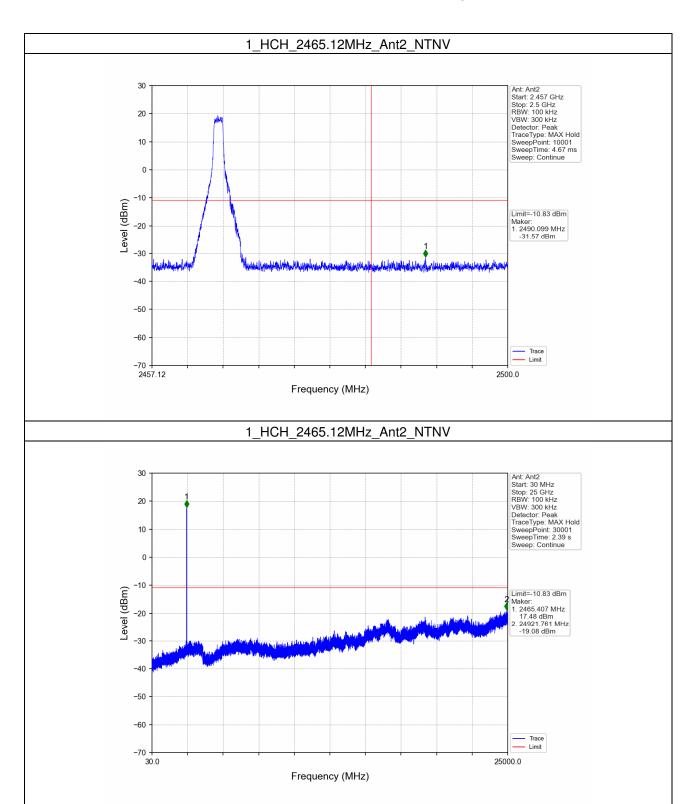
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3MHz BW 1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

| Ant1 | | | | | | | | |
|------------|---------|--------------------|-----------|-------------|-------------------|---|--------------------------|--|
| Mode | ТХ Туре | Frequency (MHz) | T_on (ms) | Period (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | Max. DC Variation (%) | |
| | | 2410.5 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | |
| 3 M | MIMO | 2437.5 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | |
| | | 2461.5 | 100.00 | 100.00 | 100.00 | 0.00 | 0.00 | |



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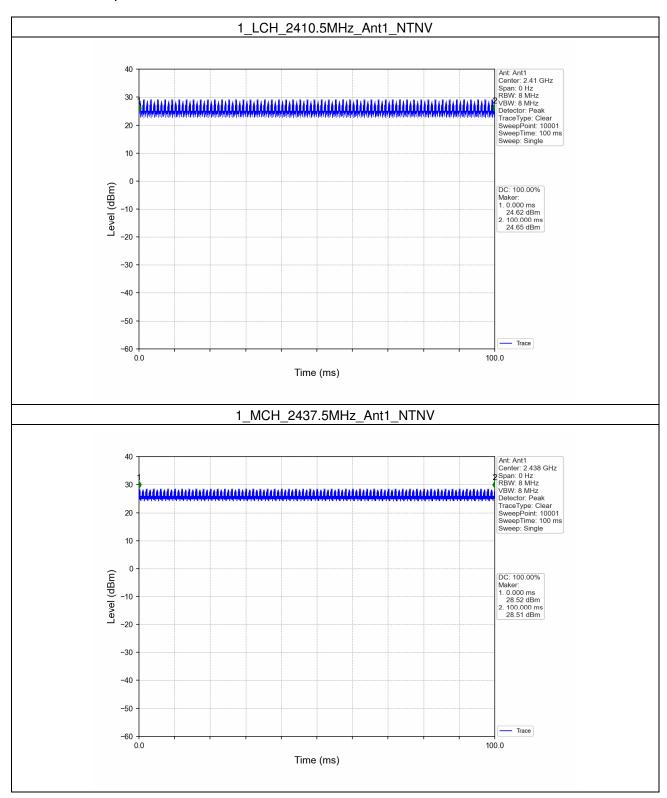
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1.1.2 Test Graph





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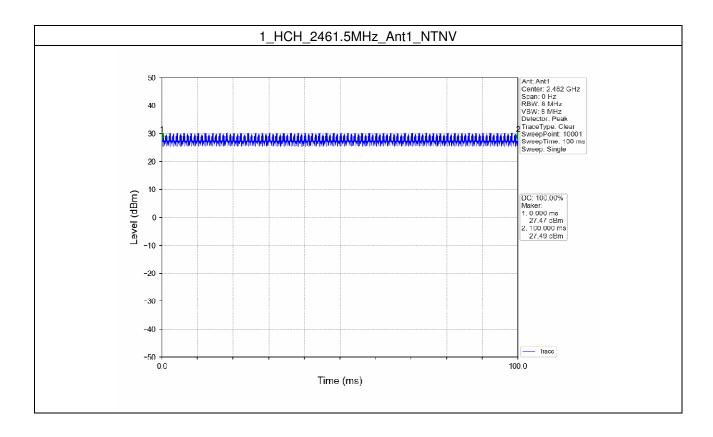
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2. Bandwidth

2.1 OBW

2.1.1 Test Result

| Mode | TX Type | Frequency (MHz) | Ant | 99% Occupied Bandwidth (MHz) | Limit | Verdict |
|------------|---------|-----------------|-----|------------------------------|-------|---------|
| | | 2410.5 | 1 | 2.35 | / | Pass |
| 3 M | MIMO | 2437.5 | 1 | 2.35 | / | Pass |
| | | 2461.5 | 1 | 2.35 | / | Pass |



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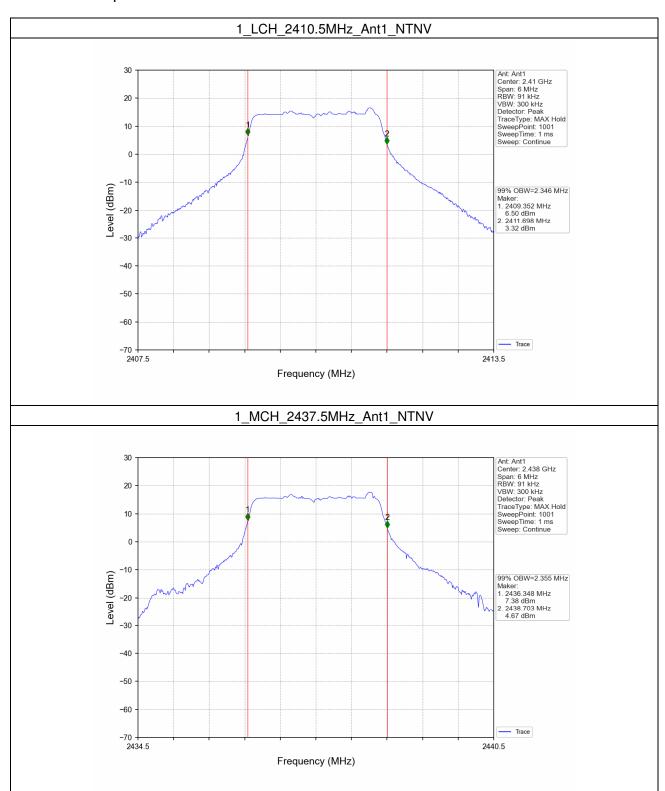
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2.1.2 Test Graph





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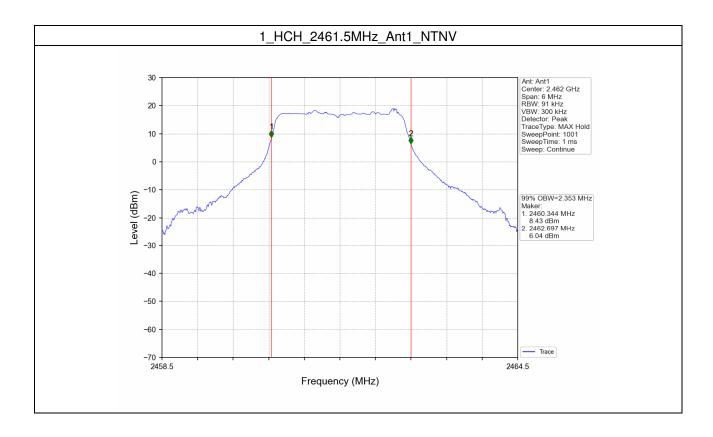
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2.2 6dB BW

2.2.1 Test Result

| Mode | TX Type | Frequency (MHz) | Ant | 6dB Bandwidth (MHz) | Limit | Verdict |
|------------|---------|-----------------|-----|---------------------|-------|---------|
| | | 2410.5 | 1 | 2.20 | >=0.5 | Pass |
| 3 M | MIMO | 2437.5 | 1 | 2.20 | >=0.5 | Pass |
| | | 2461.5 | 1 | 2.21 | >=0.5 | Pass |



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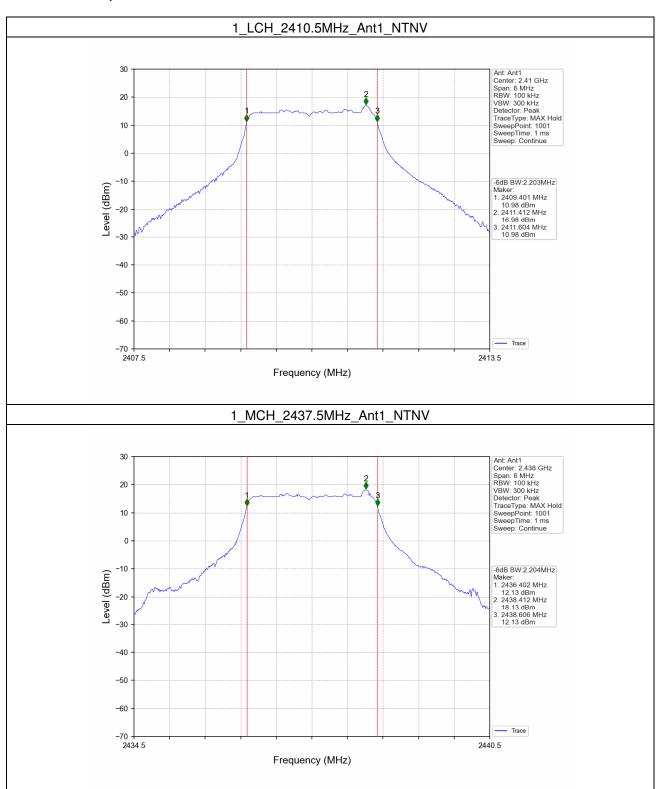
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2.2.2 Test Graph





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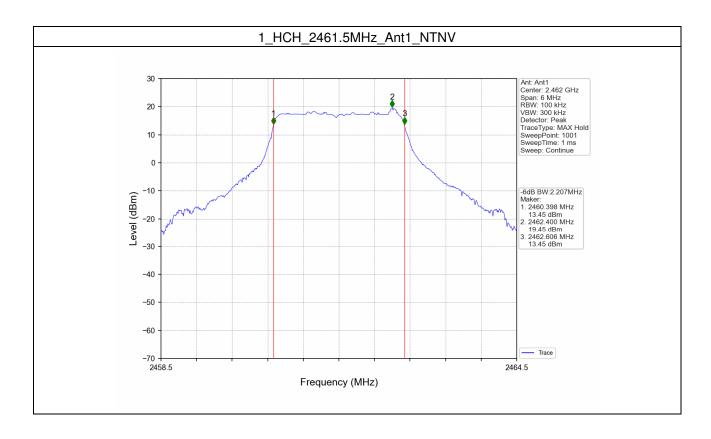
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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Antenna 1:

| Mode | TV Tuno | Fraguaday (MIII) | Measured Average | Output Power (dBm) | Verdict | | |
|--------------|-------------------------------------|------------------|------------------|--------------------|---------|--|--|
| iviode | TX Type | Frequency (MHz) | Ant1 | Limit | verdict | | |
| | 1 SISO | 2410.5 | 26.03 | <=30 | Pass | | |
| ЗМ | | 2437.5 | 26.13 | <=30 | Pass | | |
| | | 2461.5 | 26.14 | <=30 | Pass | | |
| Note1: Anten | Note1: Antenna Gain: Ant1: 3.00dBi; | | | | | | |

Antenna 2:

| Mode | TV Tuno | Fraguesay (MIII-) | Measured Average (| Output Power (dBm) | Verdict | | |
|--------------|-------------------------------------|-------------------|--------------------|--------------------|---------|--|--|
| iviode | TX Type | Frequency (MHz) | Ant1 | Limit | verdict | | |
| | | 2410.5 | 25.79 | <=30 | Pass | | |
| 3M | SISO | 2437.5 | 25.66 | <=30 | Pass | | |
| | | 2461.5 | 26.31 | <=30 | Pass | | |
| Note1: Anten | Note1: Antenna Gain: Ant1: 3.00dBi; | | | | | | |

| Mode TX | TX | Frequency | Measured A | verage Output P | ower (dBm) | Limit (dDm) | Vordict |
|---------|------|-----------|------------|-----------------|------------|-------------|---------|
| iviode | Туре | (MHz) | Ant1 | Ant2 | Sum | Limit (dBm) | Verdict |
| | | 2410.5 | 21.99 | 22.67 | 25.35 | <=29.9 | Pass |
| ЗМ | MIMO | 2437.5 | 22.19 | 22.09 | 25.15 | <=29.9 | Pass |
| | | 2461.5 | 22.54 | 23.12 | 25.85 | <=29.9 | Pass |

Note1: Antenna Gain: Ant1: 3.00dBi; Ant2: 3.00dBi;

Note2: Directional Gain=G_{Ant}+10log (N_{Ant}) dBi = 3.0+10log (2) dBi = 6.01dBi



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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Antenna 1:

| Mode | TV Type | Fraguency (MHz) | Maximum PSD (dBm/3kHz) | | | | | |
|-----------|-------------------------------------|----------------------------|------------------------|-------|---------|--|--|--|
| iviode | TX Type | 2410.5 2437.5 2461.5 | Ant1 | Limit | Verdict | | | |
| | | 2410.5 | 7.60 | <=8 | Pass | | | |
| ЗМ | SISO | 2437.5 | 7.48 | <=8 | Pass | | | |
| | | 2461.5 | 7.60 | <=8 | Pass | | | |
| Note1: An | Note1: Antenna Gain: Ant1: 3.00dBi; | | | | | | | |

Antenna 2:

| Mode | TV Tuno | Eroguenov (MHz) | Maximum PSI | D (dBm/3kHz) | Verdict |
|-----------|--------------|-----------------|-------------|--------------|---------|
| ivioue | TX Type | Frequency (MHz) | Ant1 | Limit | verdict |
| | | 2410.5 | 7.27 | <=8 | Pass |
| 3M | SISO | 2437.5 | 7.07 | <=8 | Pass |
| | | 2461.5 | 7.81 | <=8 | Pass |
| Note1: Ar | ntenna Gain: | Ant1: 3.00dBi; | | | • |

| Mode TX | TX | Frequency | Maxir | num PSD (dBm/ | 3kHz) | Limit | Vordist | |
|------------|--|-----------|-------|---------------|-------|------------|---------|--|
| iviode | Type | (MHz) | Ant1 | Ant2 | Sum | (dBm/3kHz) | Verdict | |
| | | 2410.5 | 5.28 | 5.57 | 6.53 | <=8 | Pass | |
| 3M | MIMO | 2437.5 | 5.27 | 5.14 | 6.18 | <=8 | Pass | |
| | | 2461.5 | 5.93 | 6.14 | 7.11 | <=8 | Pass | |
| Note1: Ant | Note1: Antenna Gain: Ant1: 3.00dBi; Ant2: 3.00dBi; | | | | | | | |



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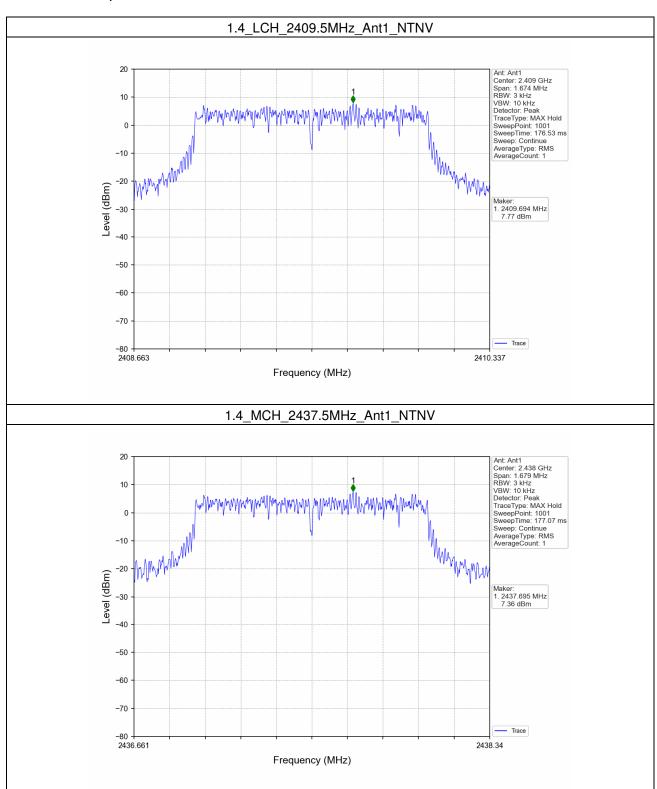
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4.1.2 Test Graph





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