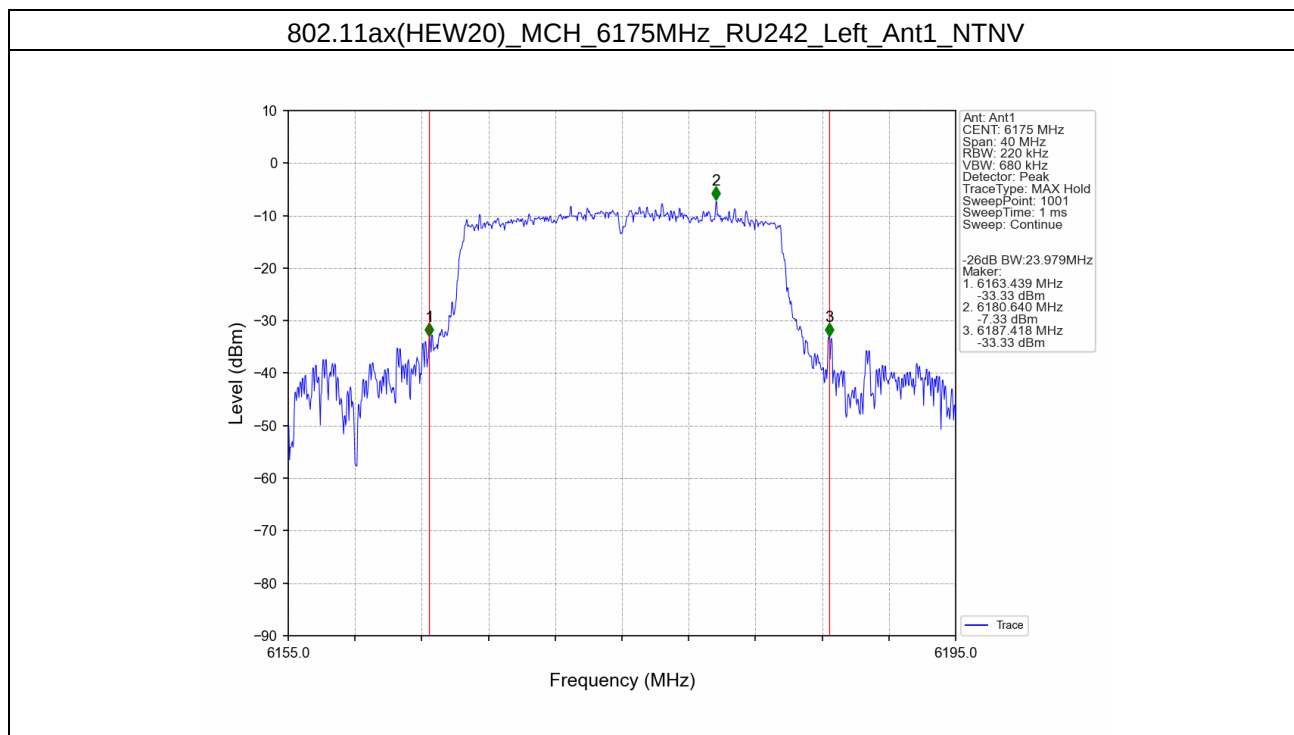
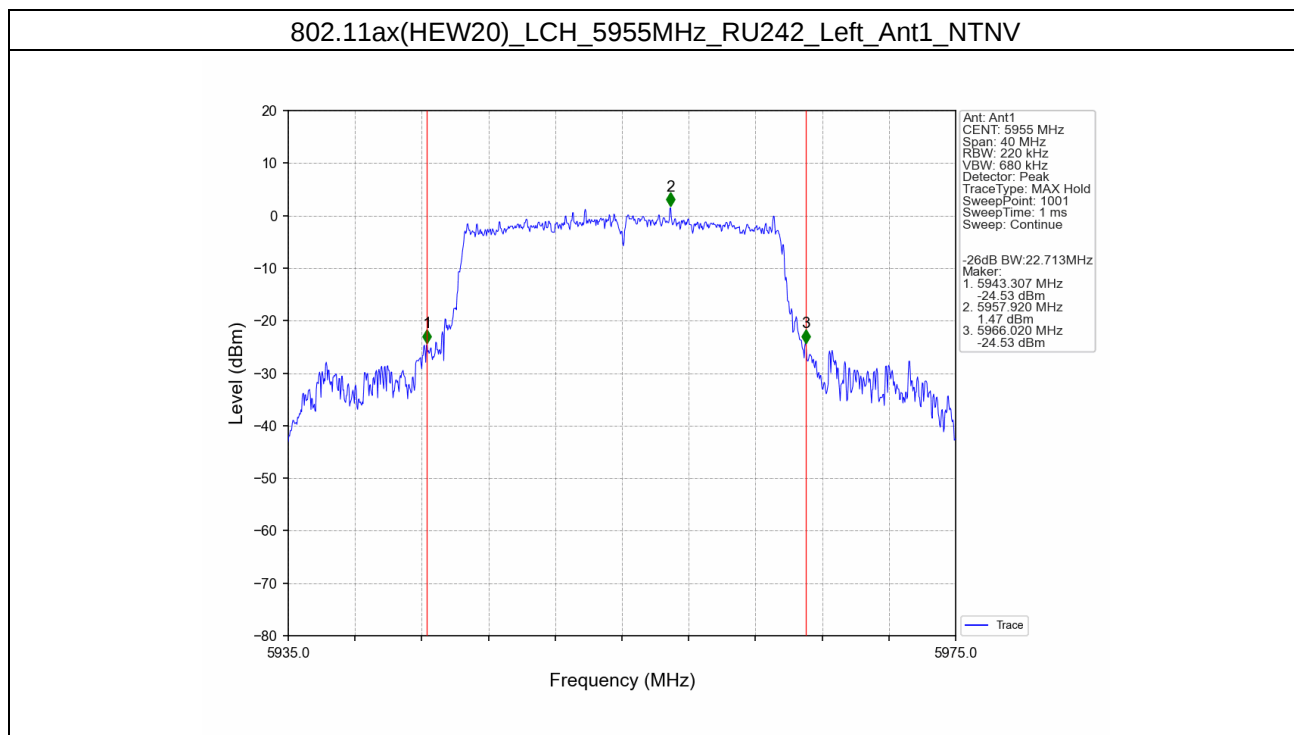


### 2.2.2 26dB BW



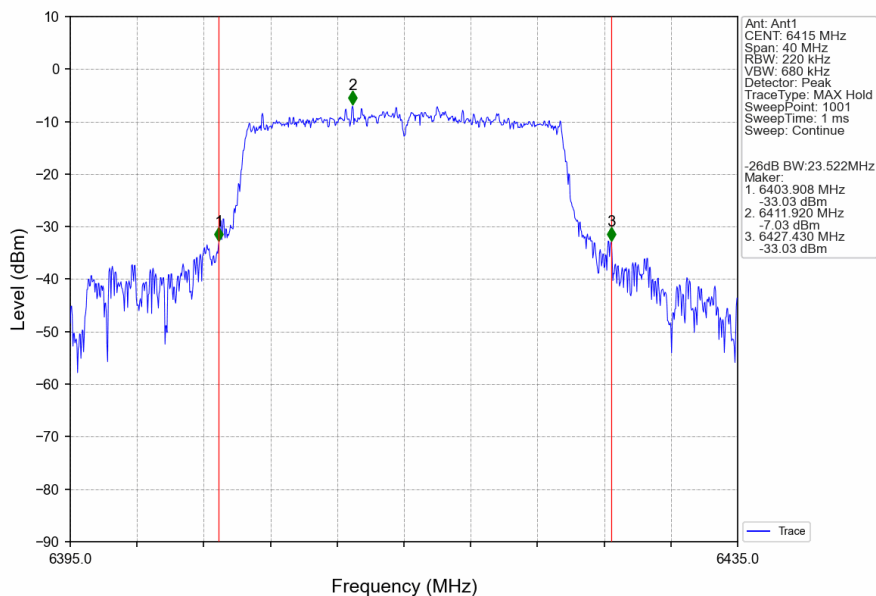
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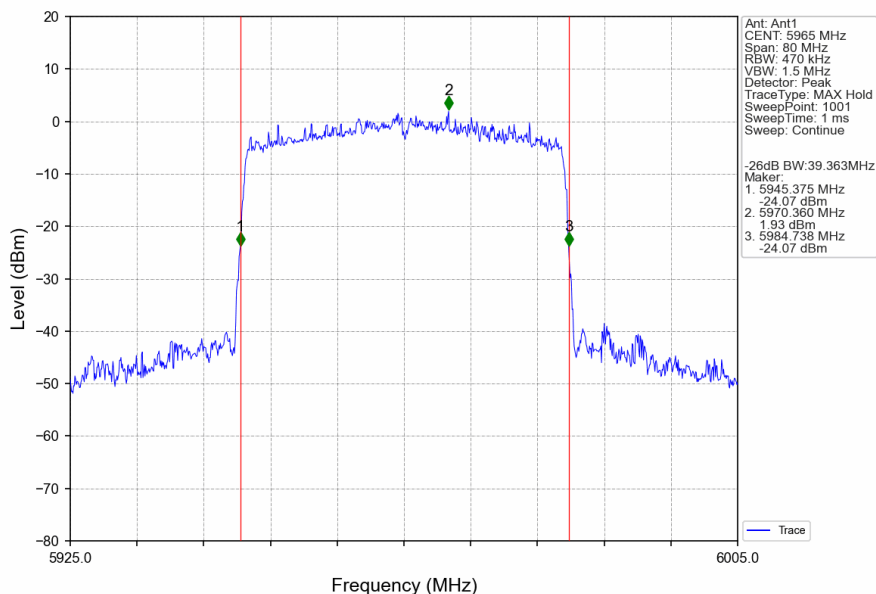
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Shenzhen Branch Inspection & Testing Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

### 802.11ax(HEW20)\_HCH\_6415MHz\_RU242\_Left\_Ant1\_NTNV

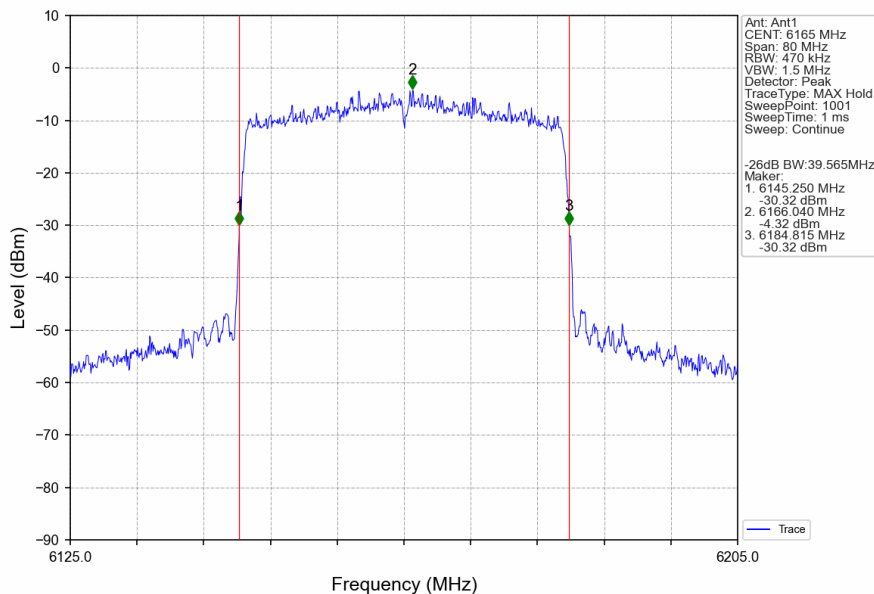


### 802.11ax(HEW40)\_LCH\_5965MHz\_RU484\_Left\_Ant1\_NTNV

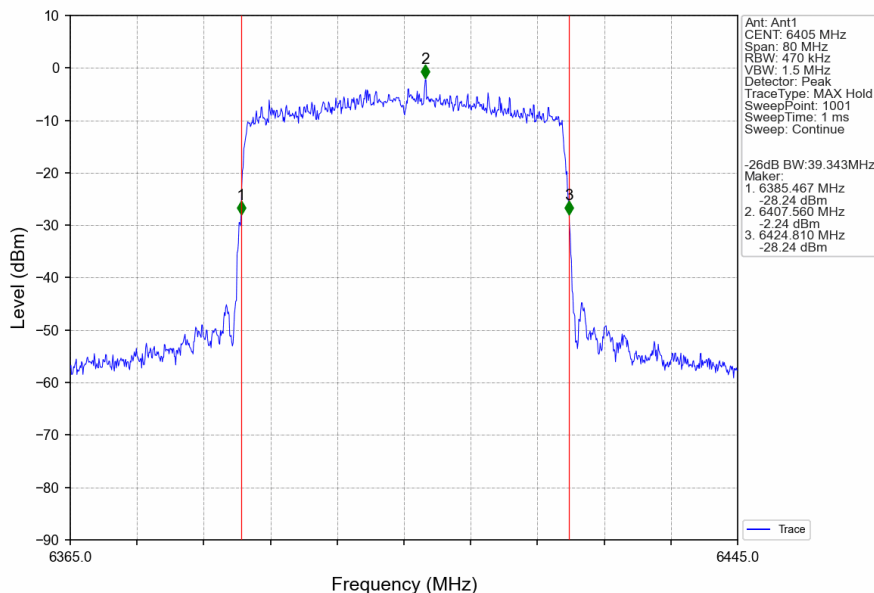


### 802.11ax(HEW40)\_MCH\_6165MHz\_RU484\_Left\_Ant1\_NTNV

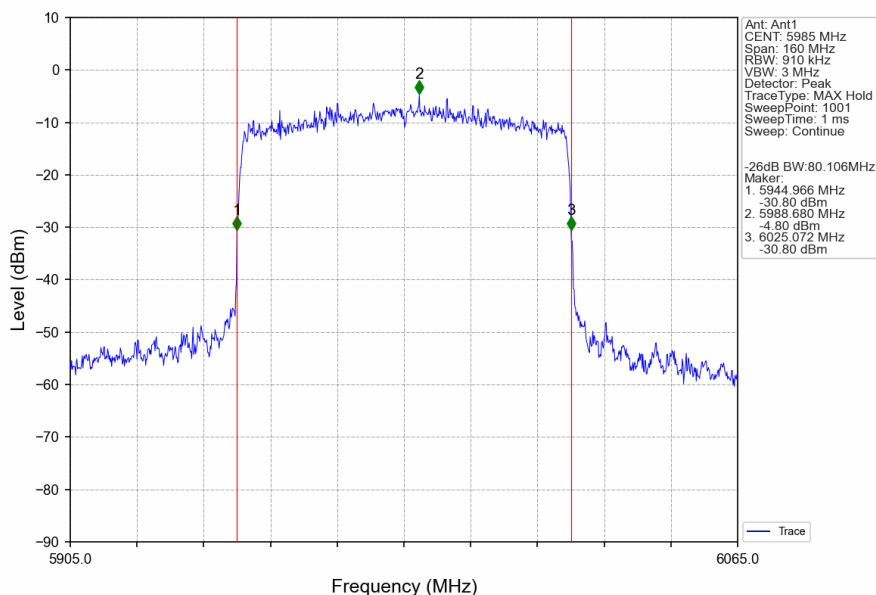




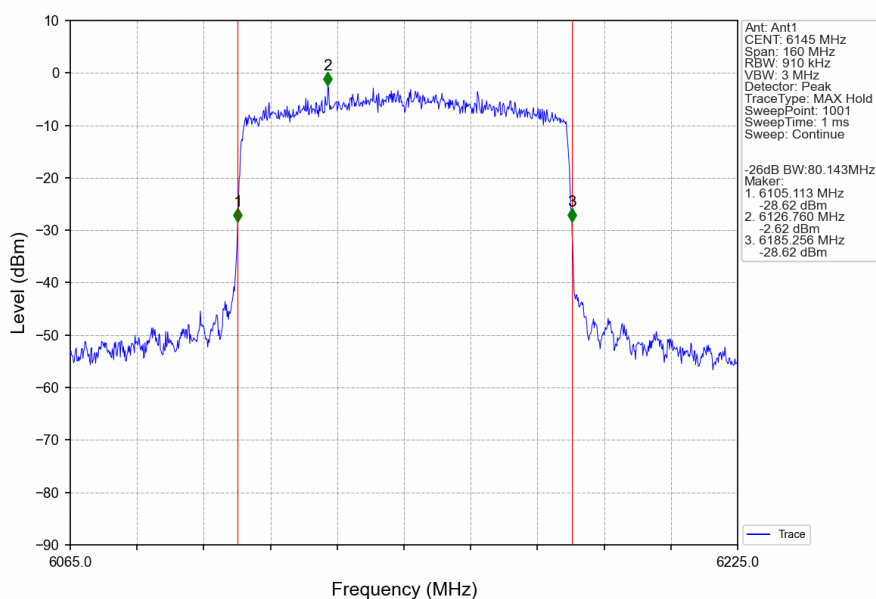
### 802.11ax(HEW40)\_HCH\_6405MHz\_RU484\_Left\_Ant1\_NTNV

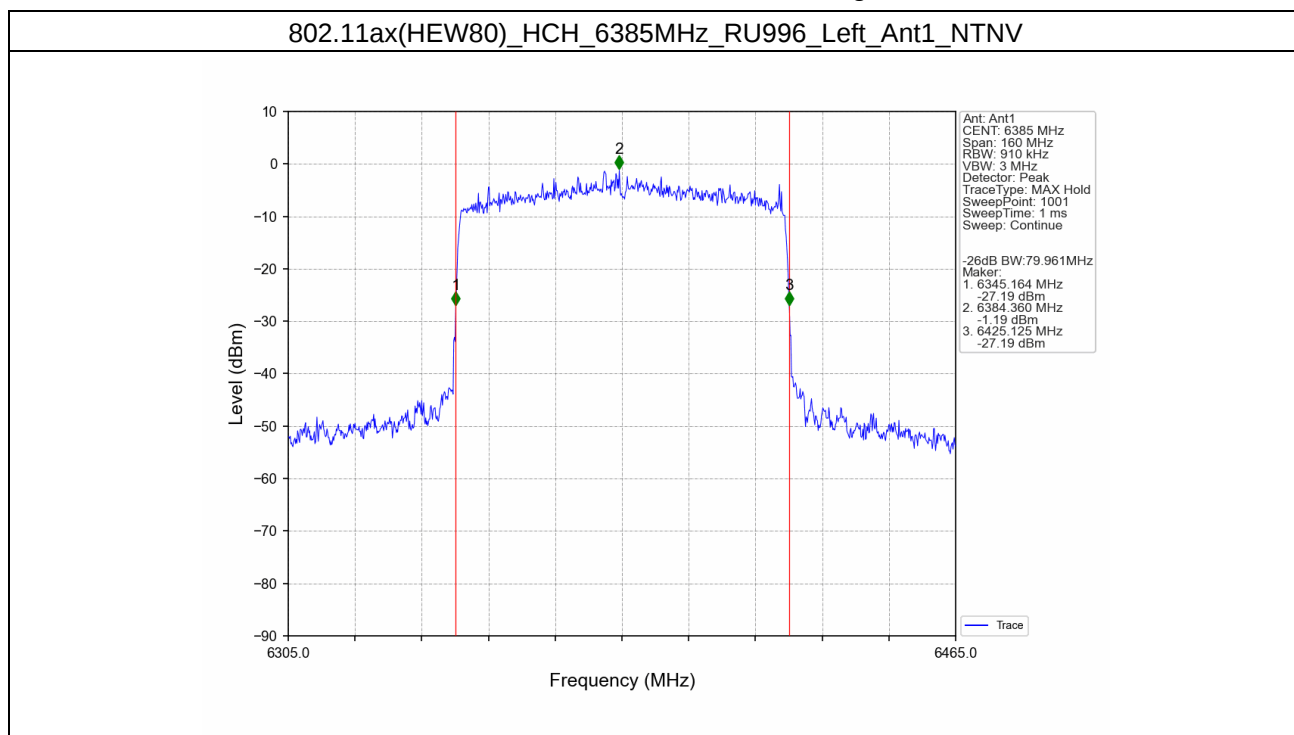


802.11ax(HEW80)\_LCH\_5985MHz\_RU996\_Left\_Ant1\_NTNV

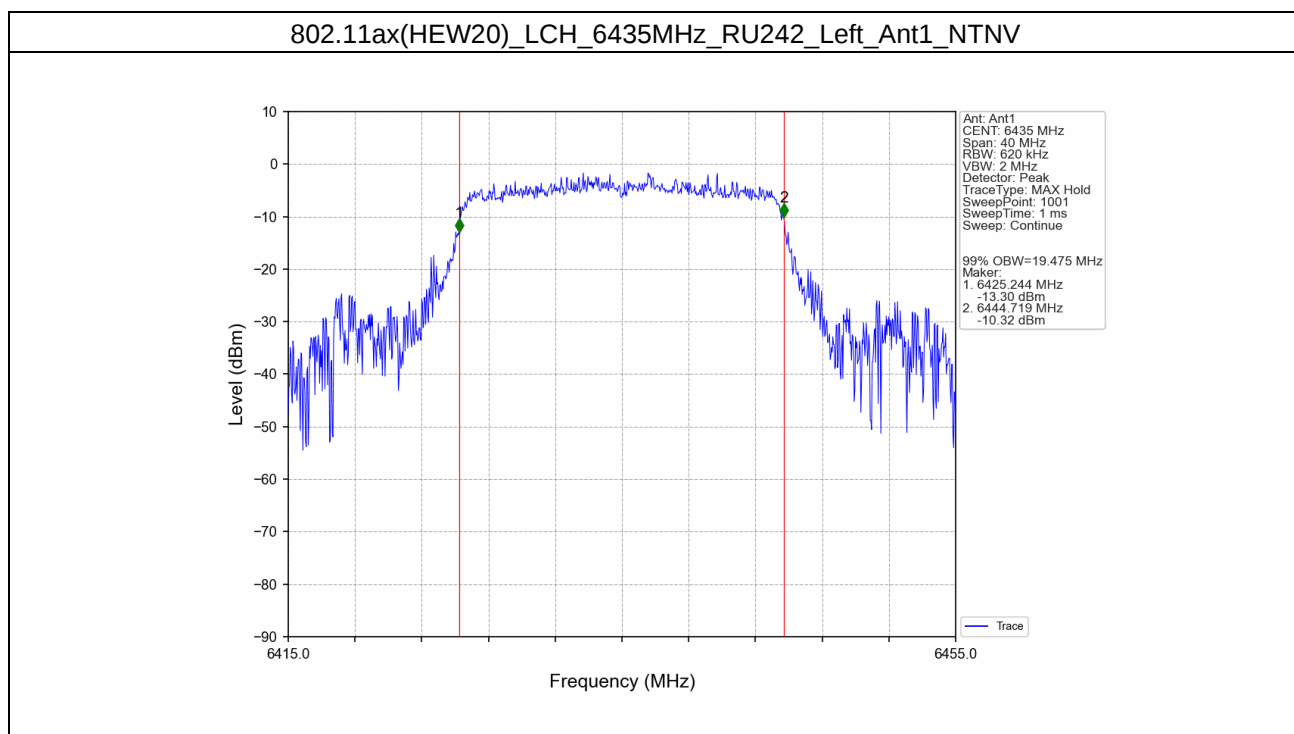


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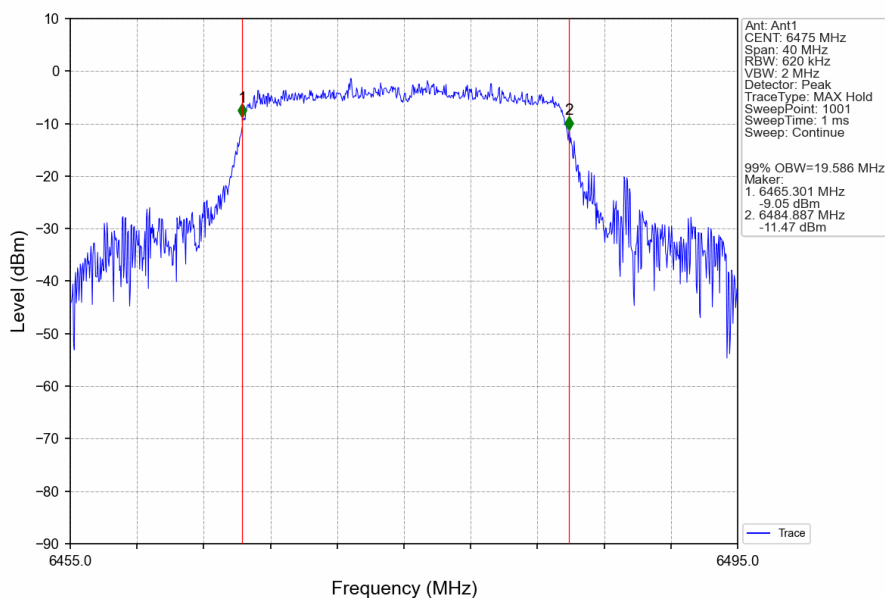




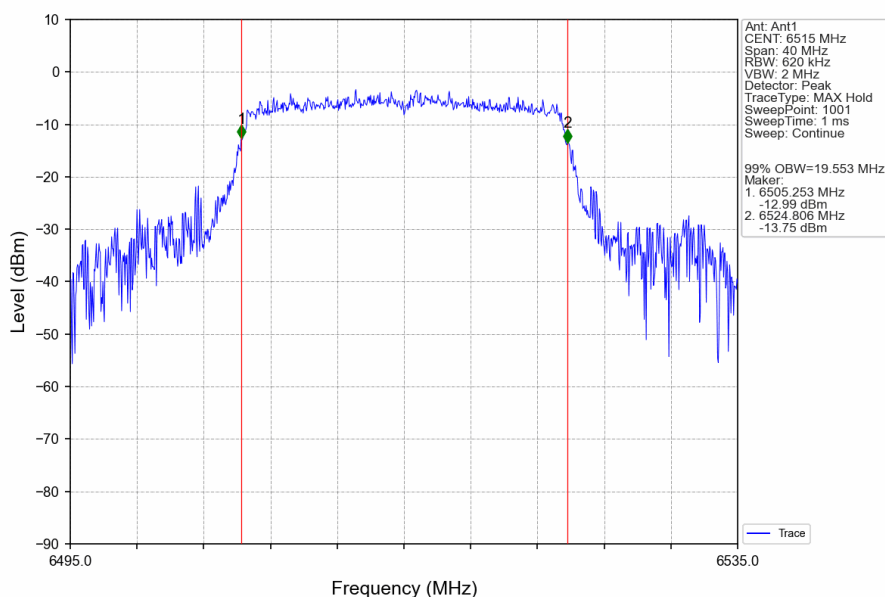
### 2.2.3 OBW



### 802.11ax(HEW20)\_MCH\_6475MHz\_RU242\_Left\_Ant1\_NTNV



### 802.11ax(HEW20)\_HCH\_6515MHz\_RU242\_Left\_Ant1\_NTNV

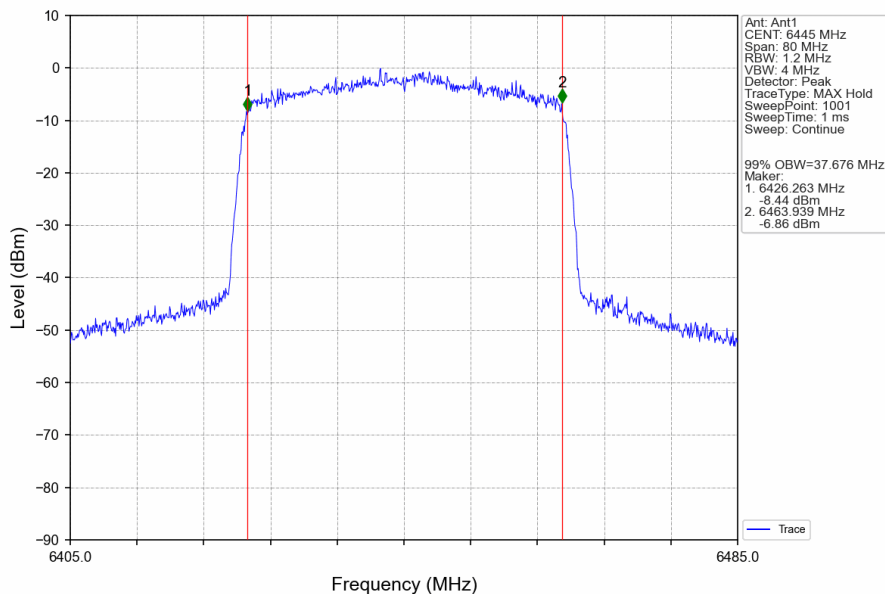


### 802.11ax(HEW40)\_LCH\_6445MHz\_RU484\_Left\_Ant1\_NTNV

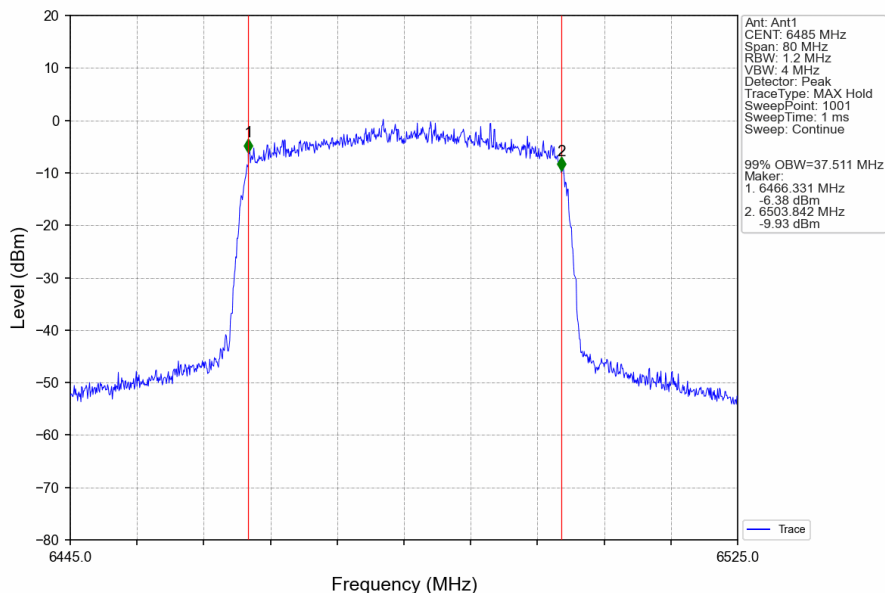


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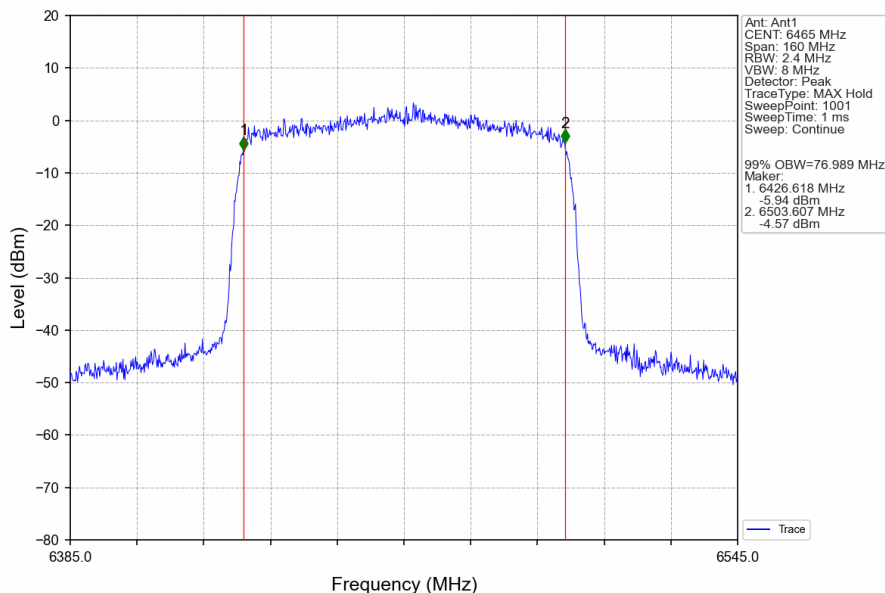
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### 802.11ax(HEW40)\_MCH\_6485MHz\_RU484\_Left\_Ant1\_NTNV



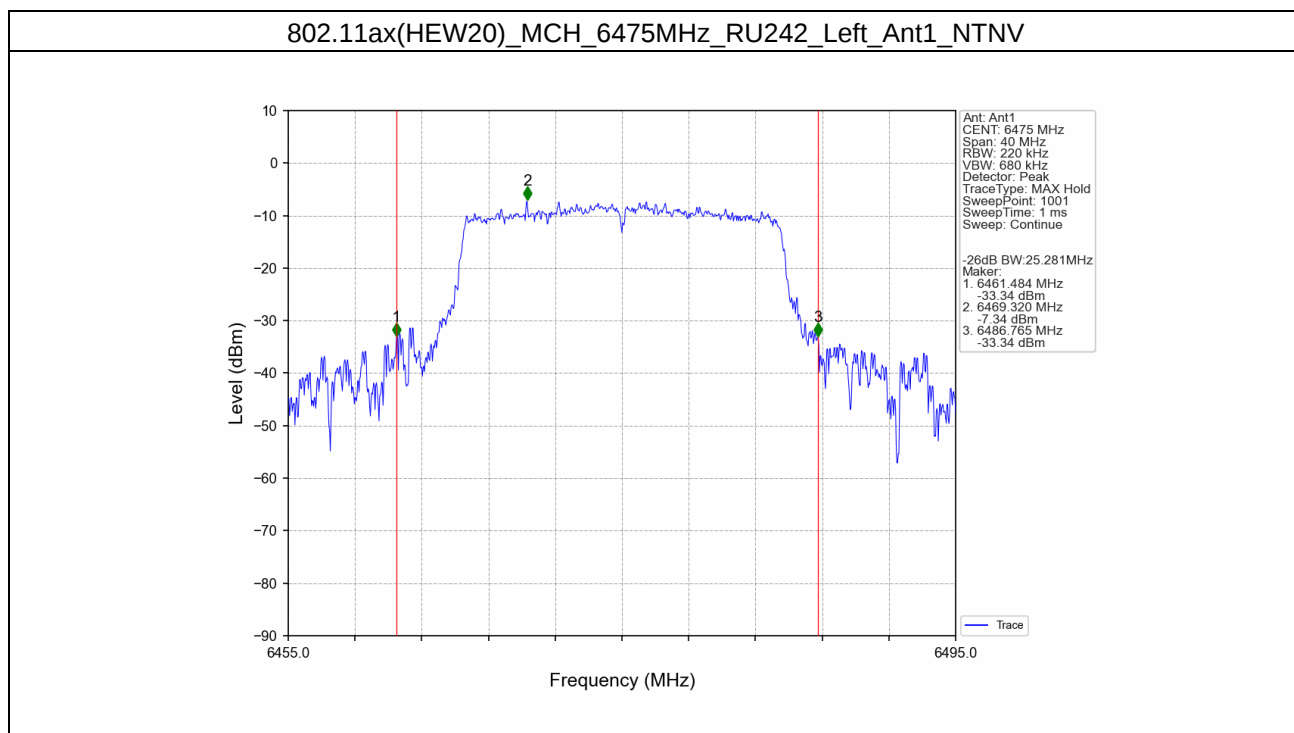
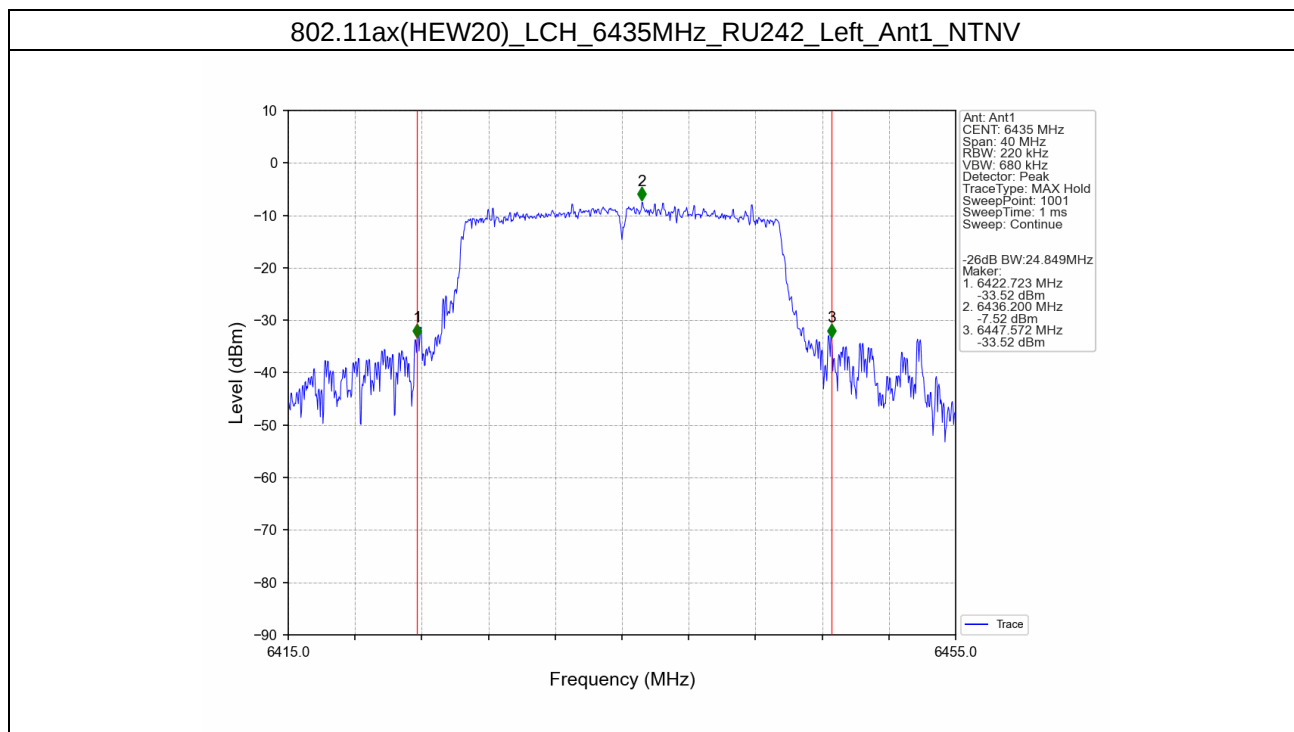
### 802.11ax(HEW80)\_LCH\_6465MHz\_RU996\_Left\_Ant1\_NTNV



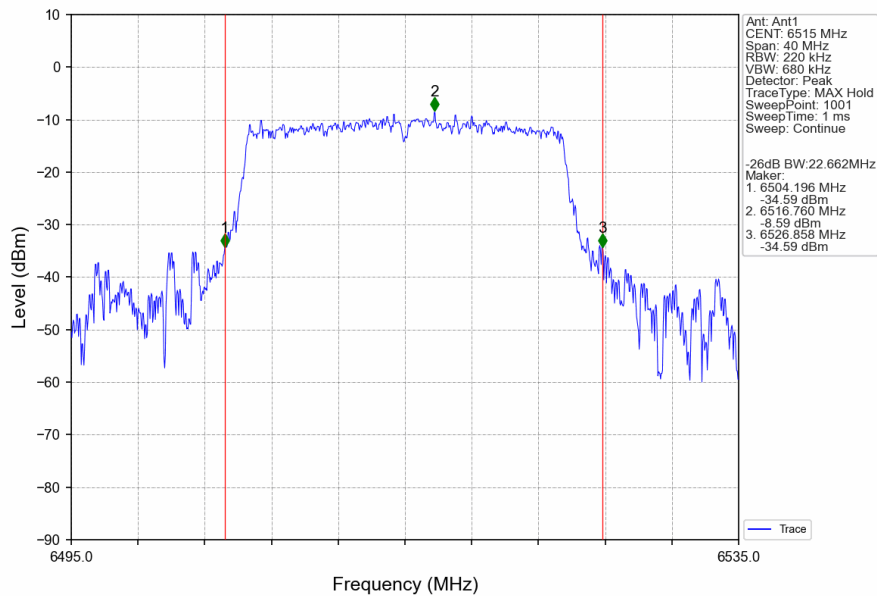
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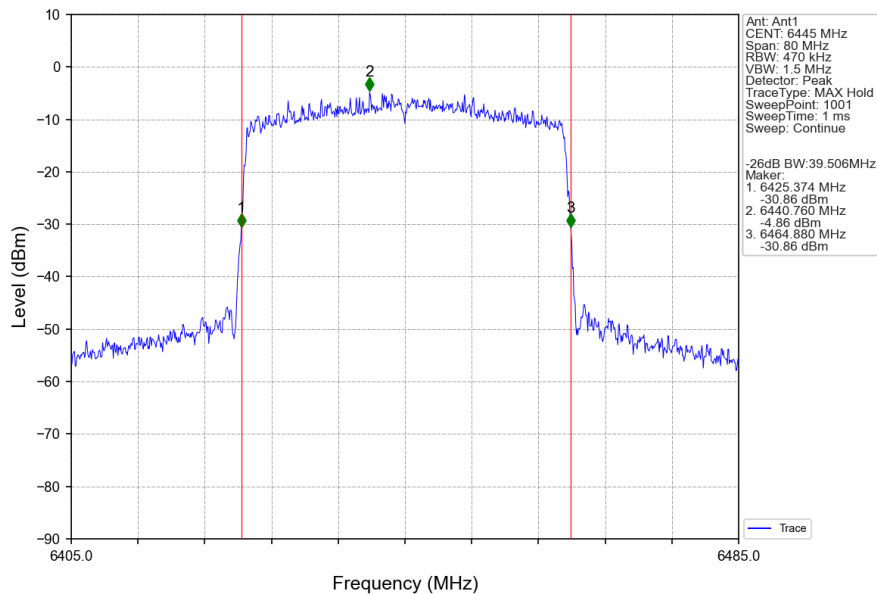
### 2.2.4 26dB BW



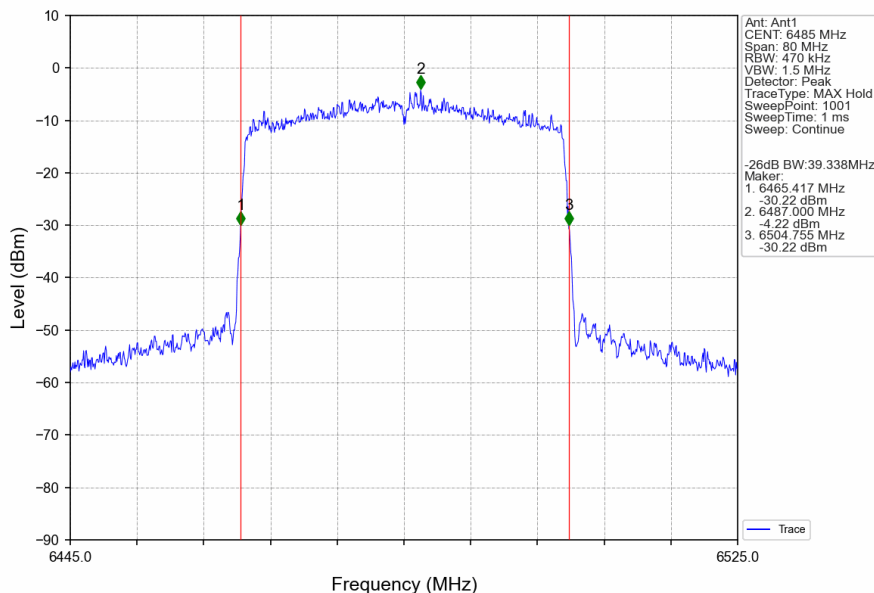
### 802.11ax(HEW20)\_HCH\_6515MHz\_RU242\_Left\_Ant1\_NTNV



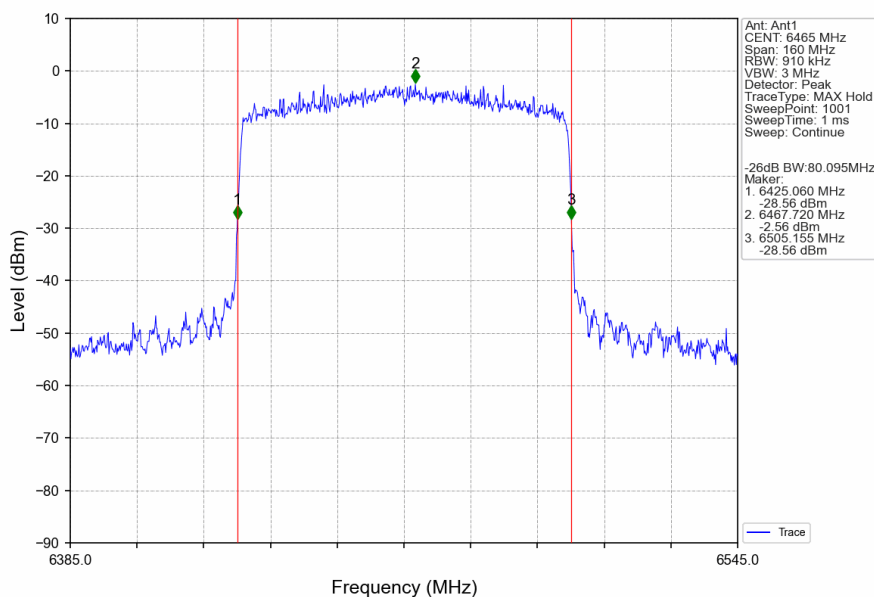
### 802.11ax(HEW40)\_LCH\_6445MHz\_RU484\_Left\_Ant1\_NTNV



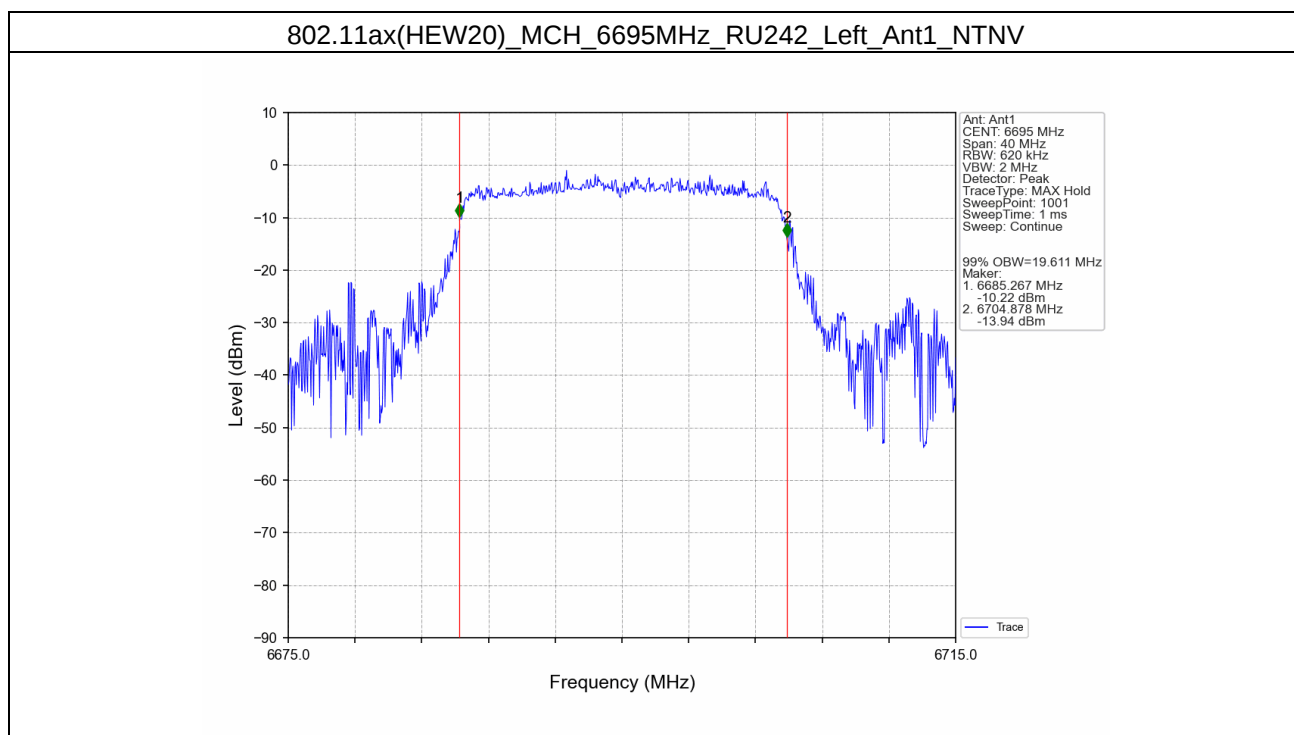
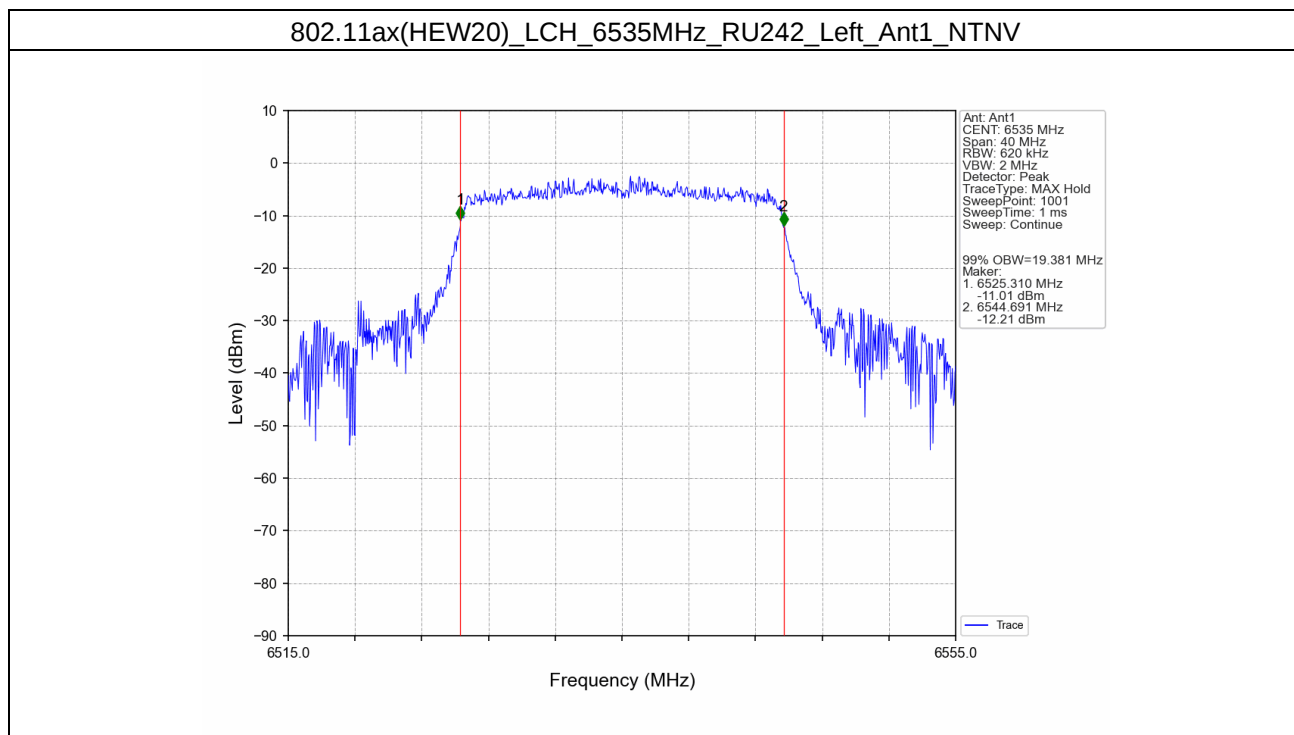
802.11ax(HEW40)\_MCH\_6485MHz\_RU484\_Left\_Ant1\_NTNV



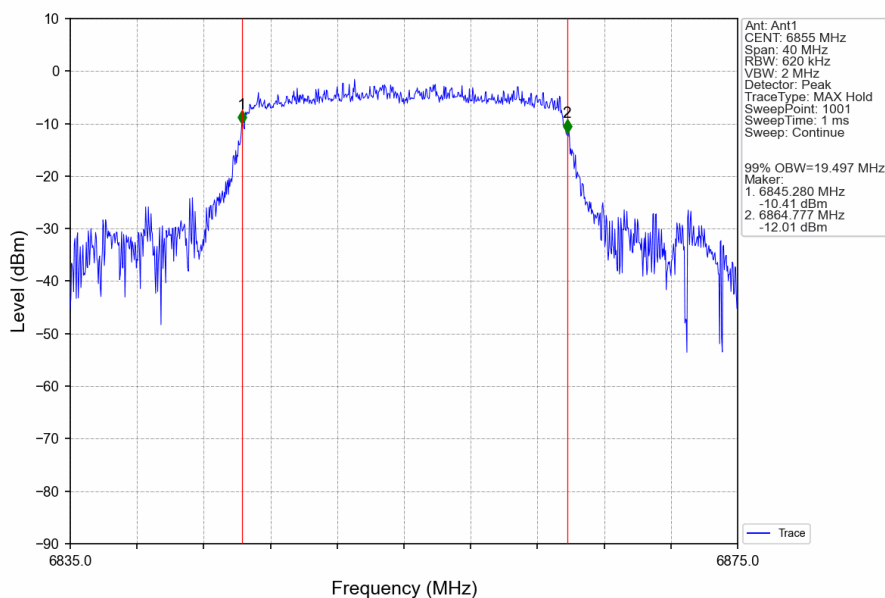
802.11ax(HEW80)\_LCH\_6465MHz\_RU996\_Left\_Ant1\_NTNV



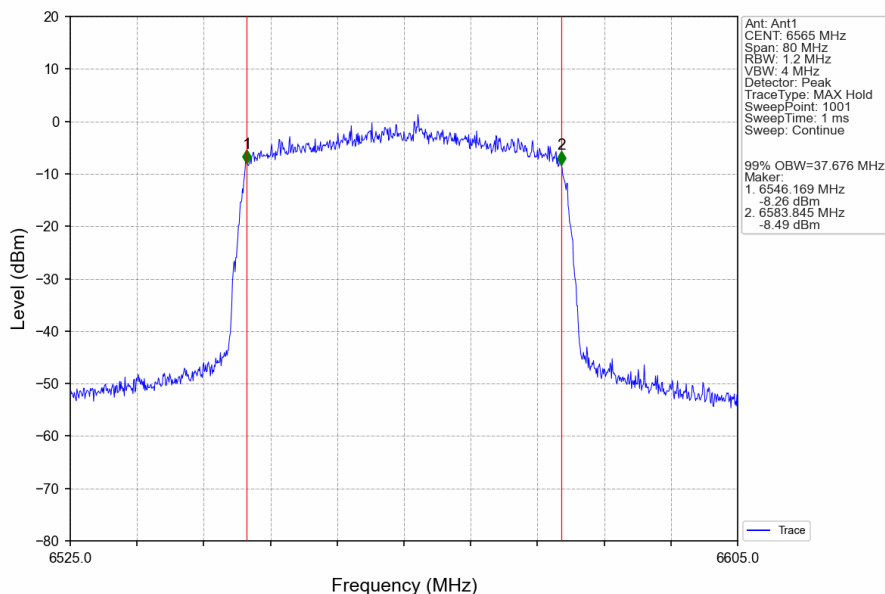
### 2.2.5 OBW



### 802.11ax(HEW20)\_HCH\_6855MHz\_RU242\_Left\_Ant1\_NTNV

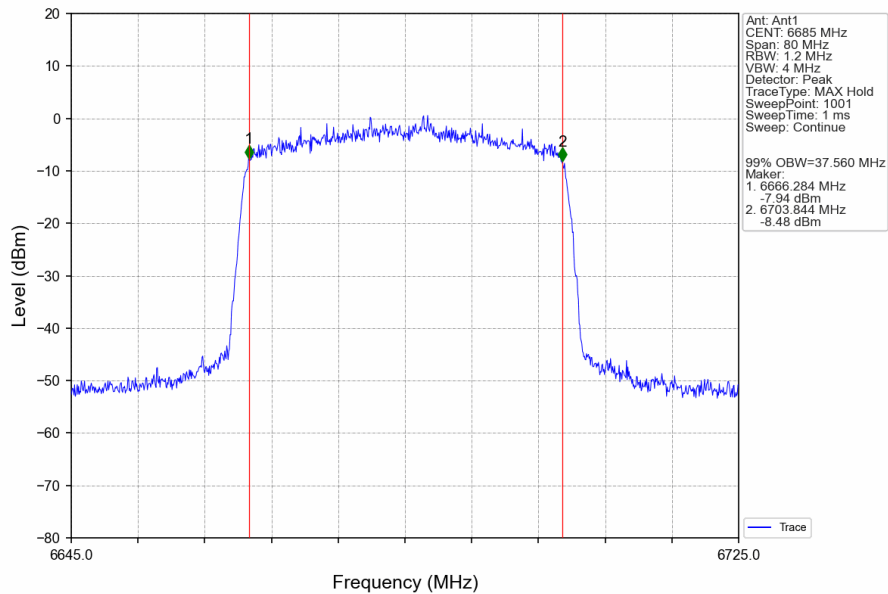


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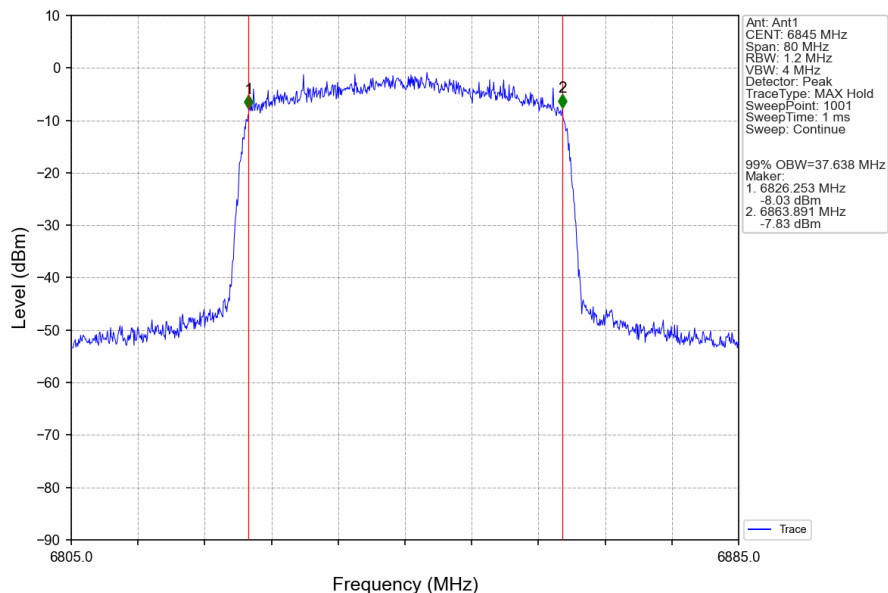


### 802.11ax(HEW40)\_MCH\_6685MHz\_RU484\_Left\_Ant1\_NTNV

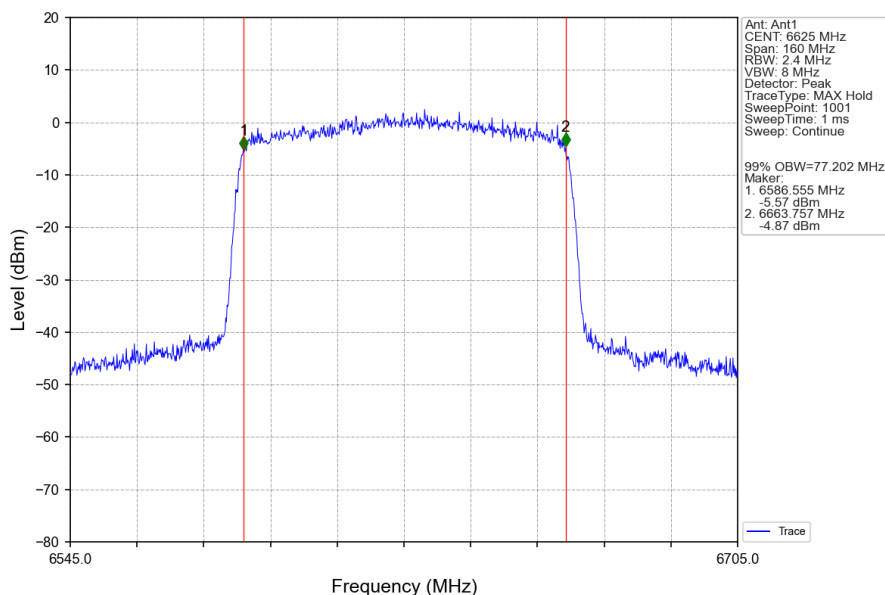




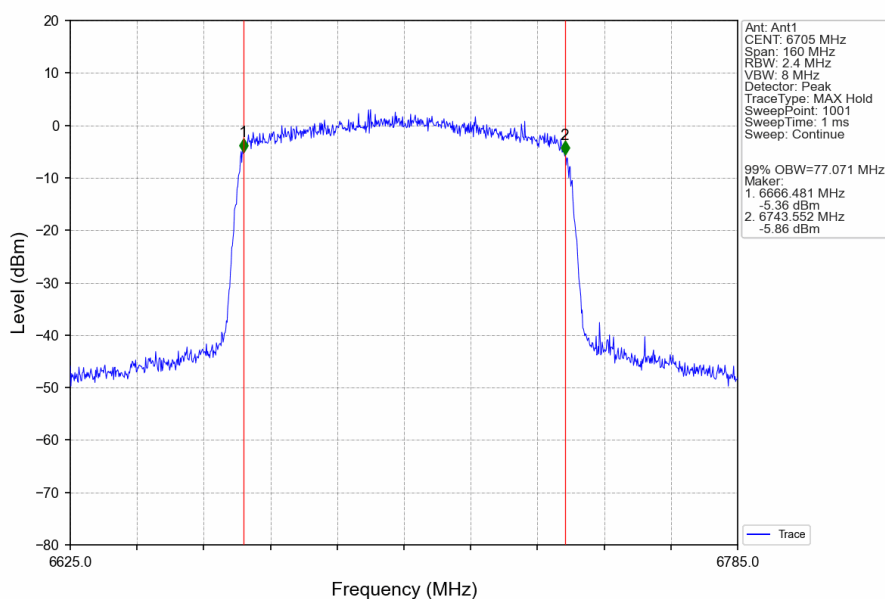
### 802.11ax(HEW40)\_HCH\_6845MHz\_RU484\_Left\_Ant1\_NTNV

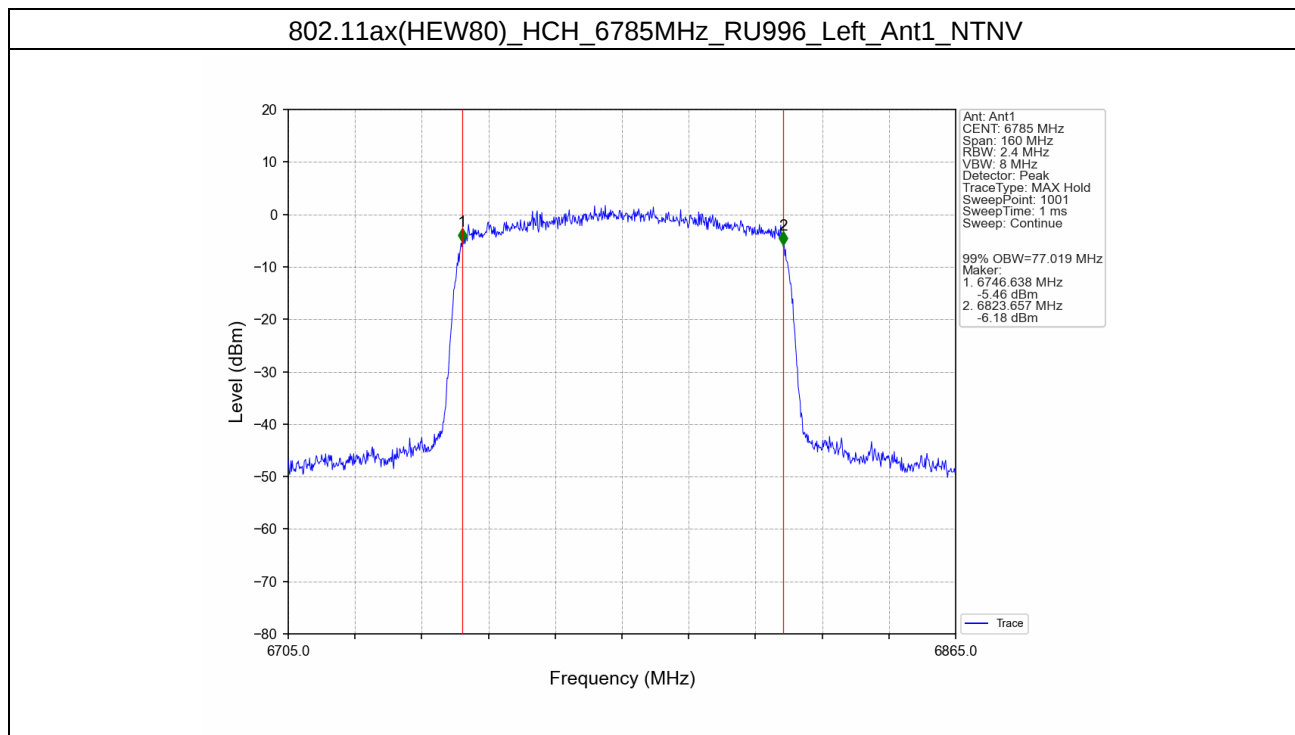


802.11ax(HEW80)\_LCH\_6625MHz\_RU996\_Left\_Ant1\_NTNV

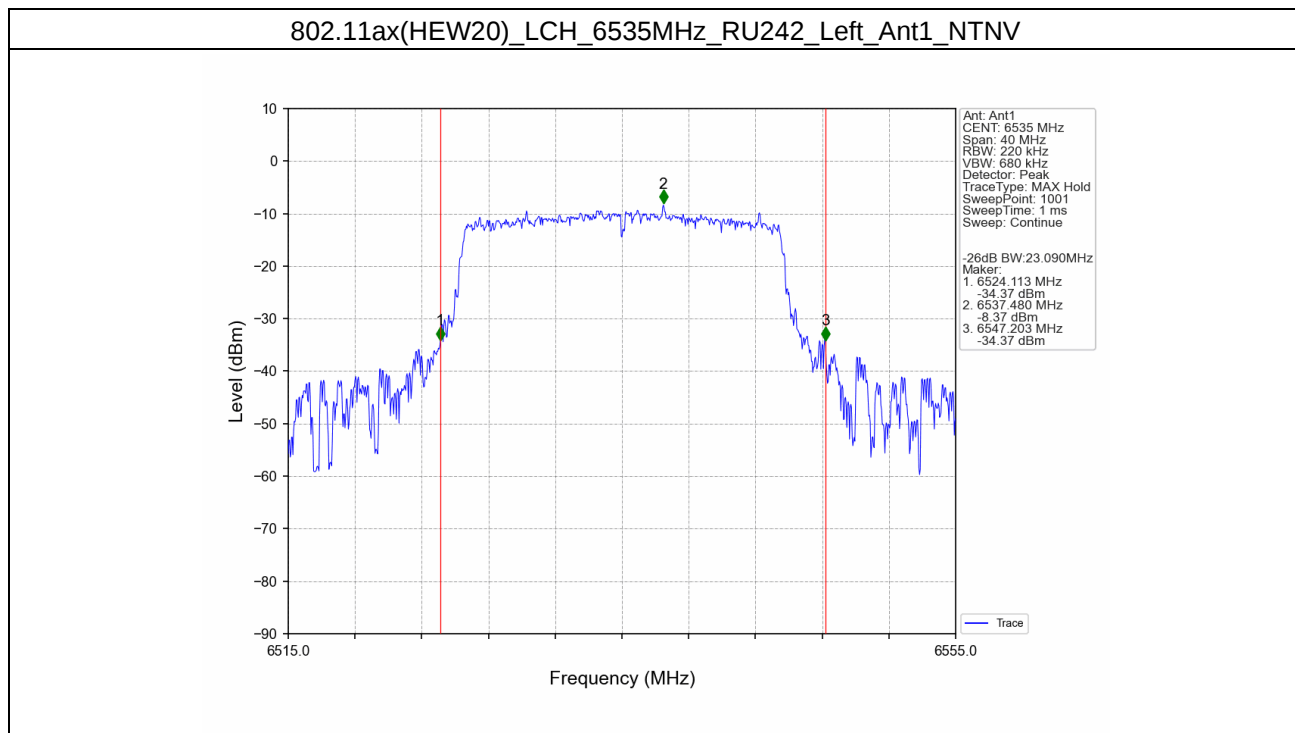


802.11ax(HEW80)\_MCH\_6705MHz\_RU996\_Left\_Ant1\_NTNV

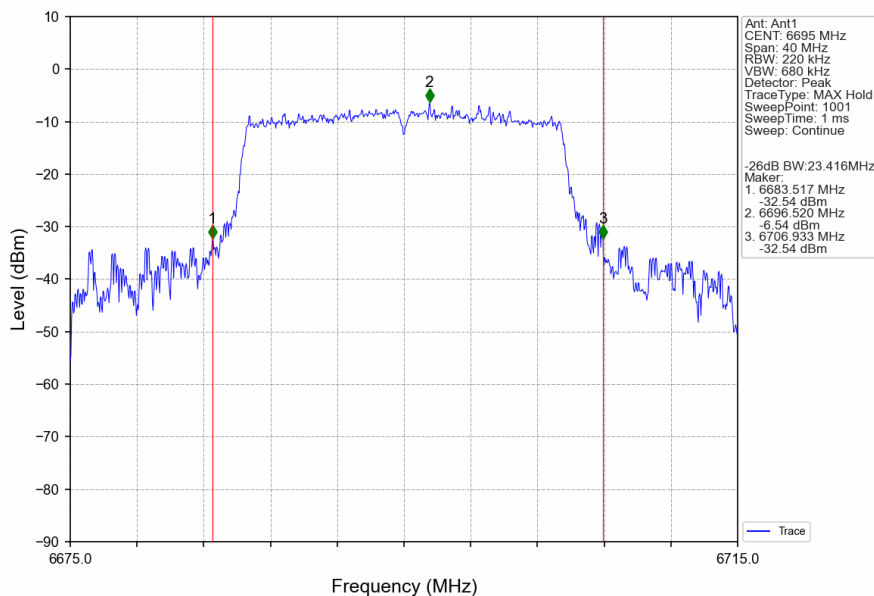




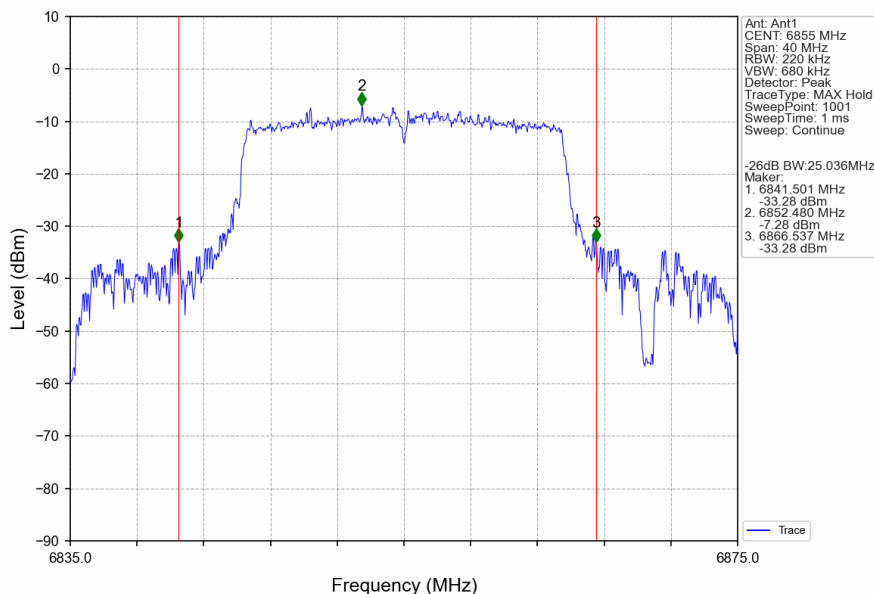
### 2.2.6 26dB BW



### 802.11ax(HEW20)\_MCH\_6695MHz\_RU242\_Left\_Ant1\_NTNV

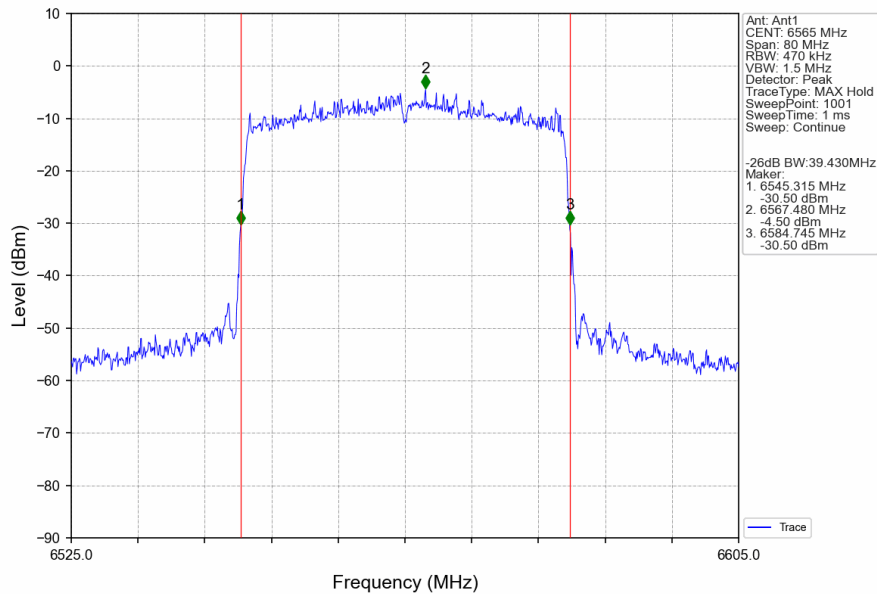


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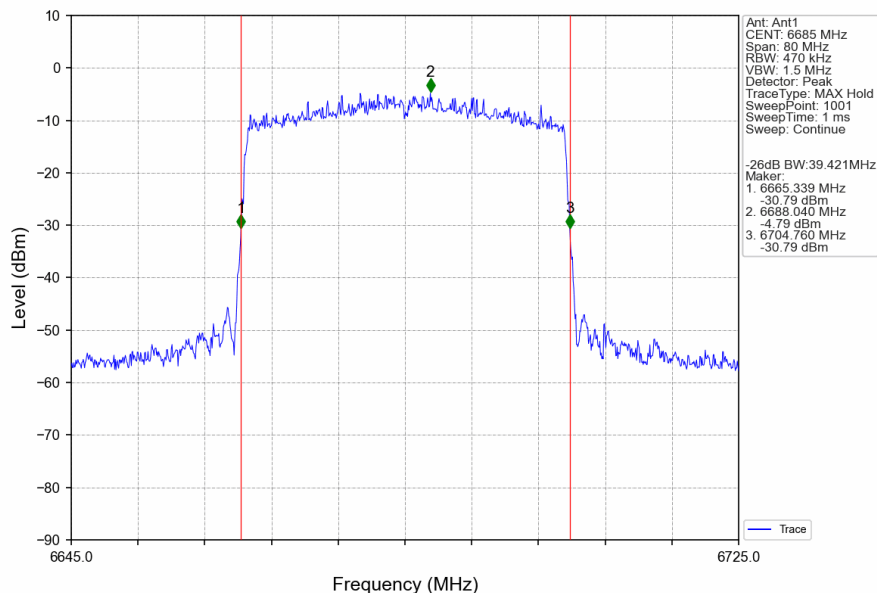


### 802.11ax(HEW40)\_LCH\_6565MHz\_RU484\_Left\_Ant1\_NTNV

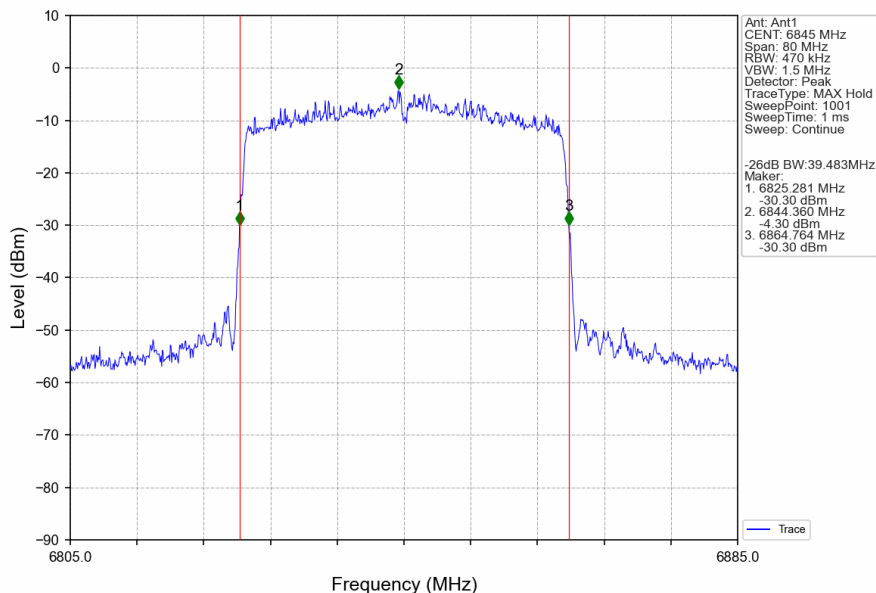




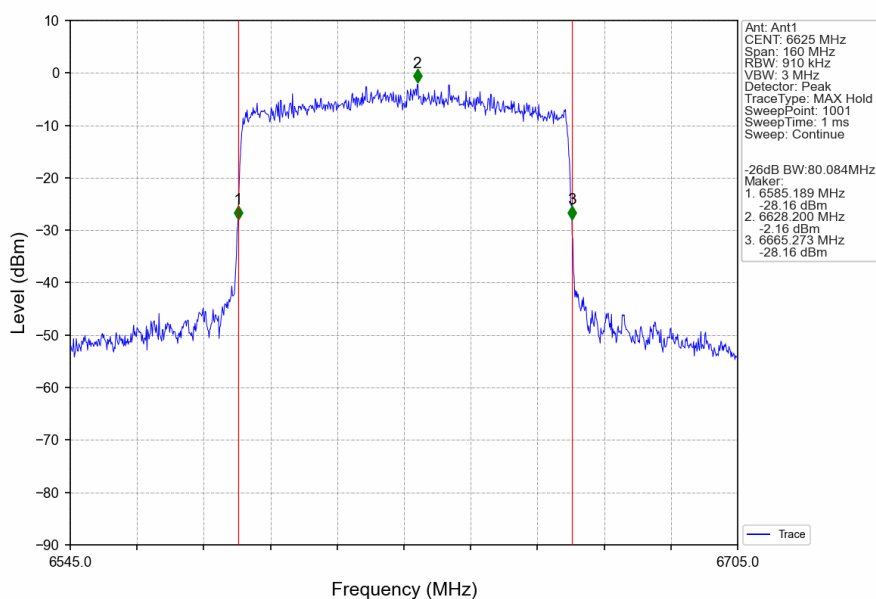
### 802.11ax(HEW40)\_MCH\_6685MHz\_RU484\_Left\_Ant1\_NTNV



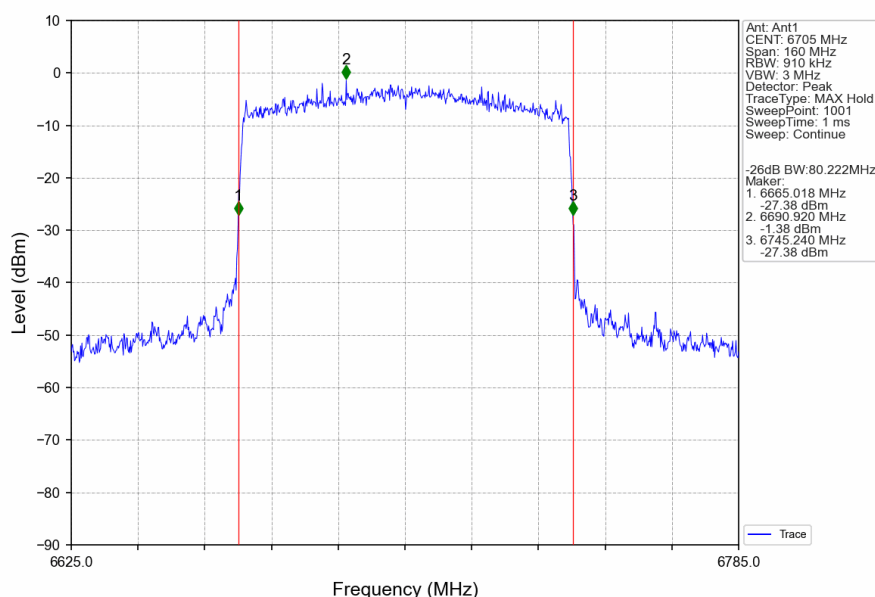
802.11ax(HEW40)\_HCH\_6845MHz\_RU484\_Left\_Ant1\_NTNV



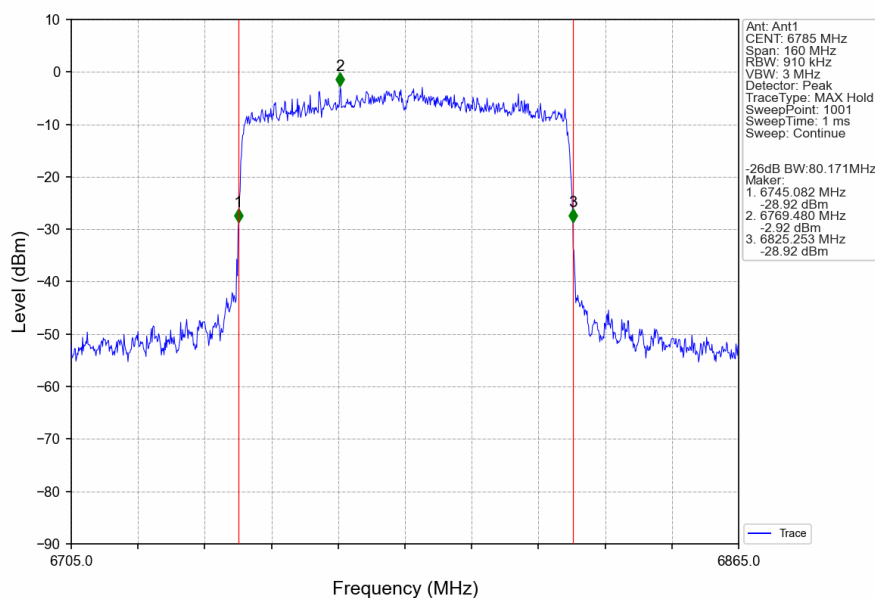
802.11ax(HEW80)\_LCH\_6625MHz\_RU996\_Left\_Ant1\_NTNV



### 802.11ax(HEW80)\_MCH\_6705MHz\_RU996\_Left\_Ant1\_NTNV



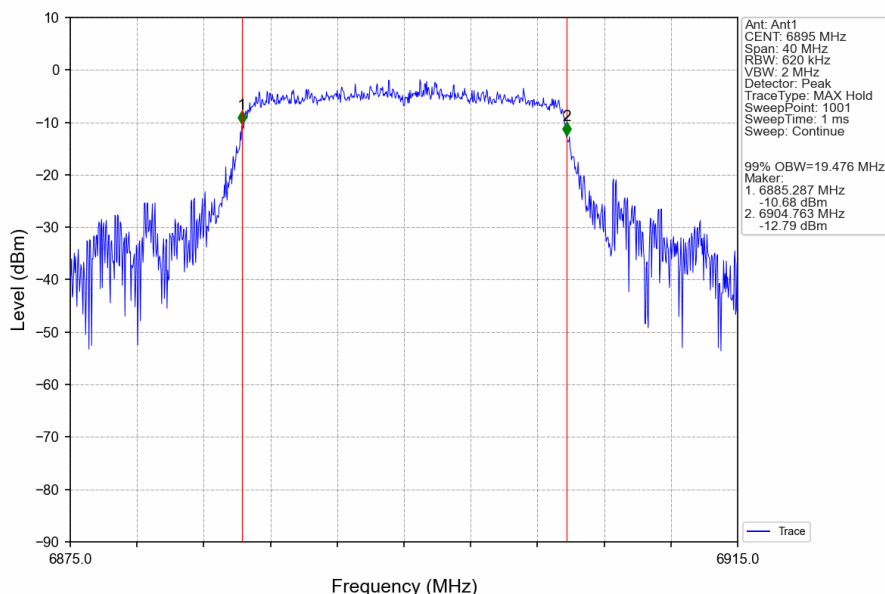
### 802.11ax(HEW80)\_HCH\_6785MHz\_RU996\_Left\_Ant1\_NTNV



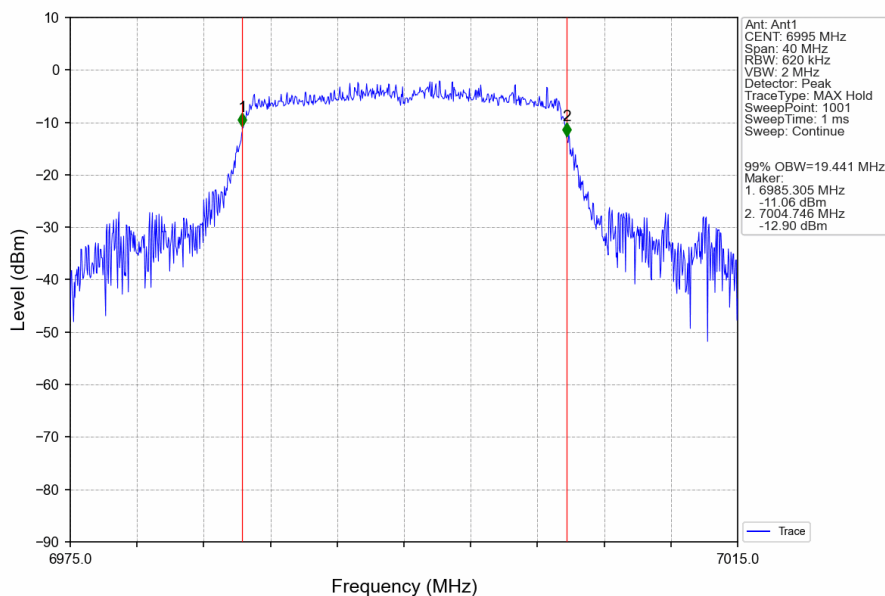
## 2.2.7 OBW



### 802.11ax(HEW20)\_LCH\_6895MHz\_RU242\_Left\_Ant1\_NTNV

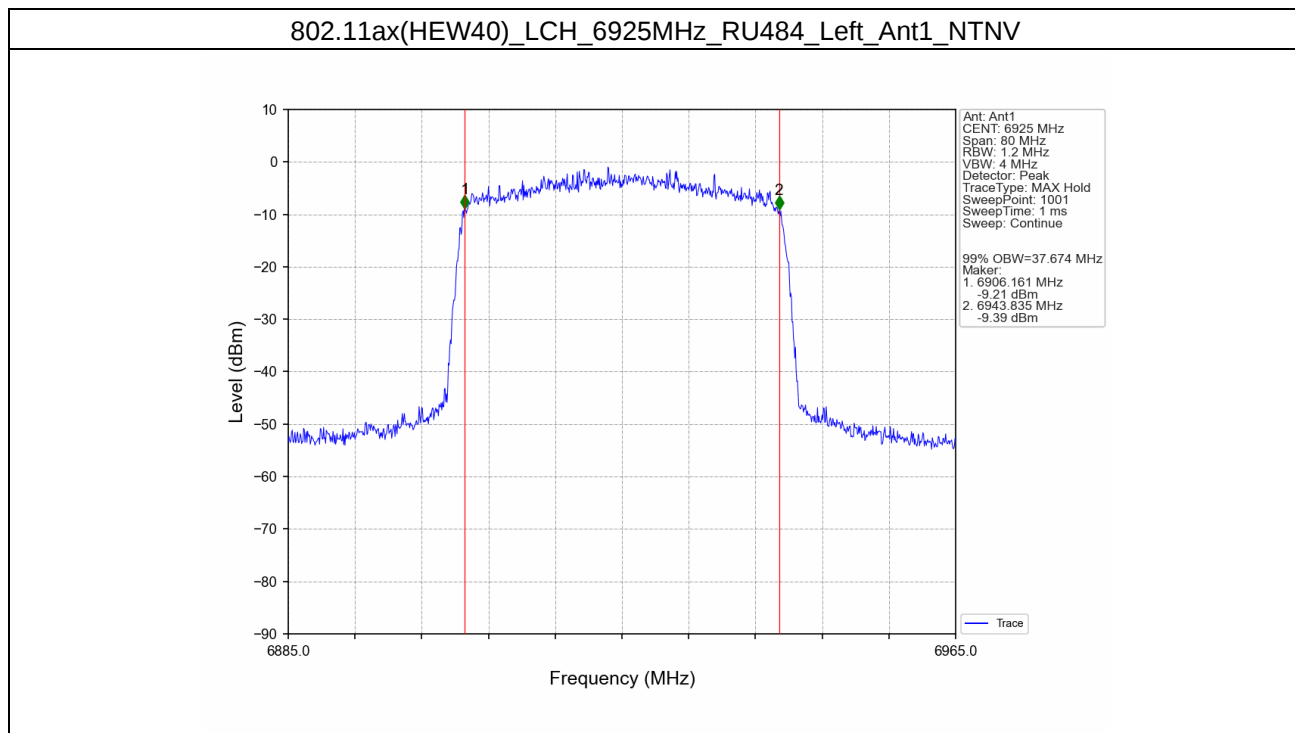
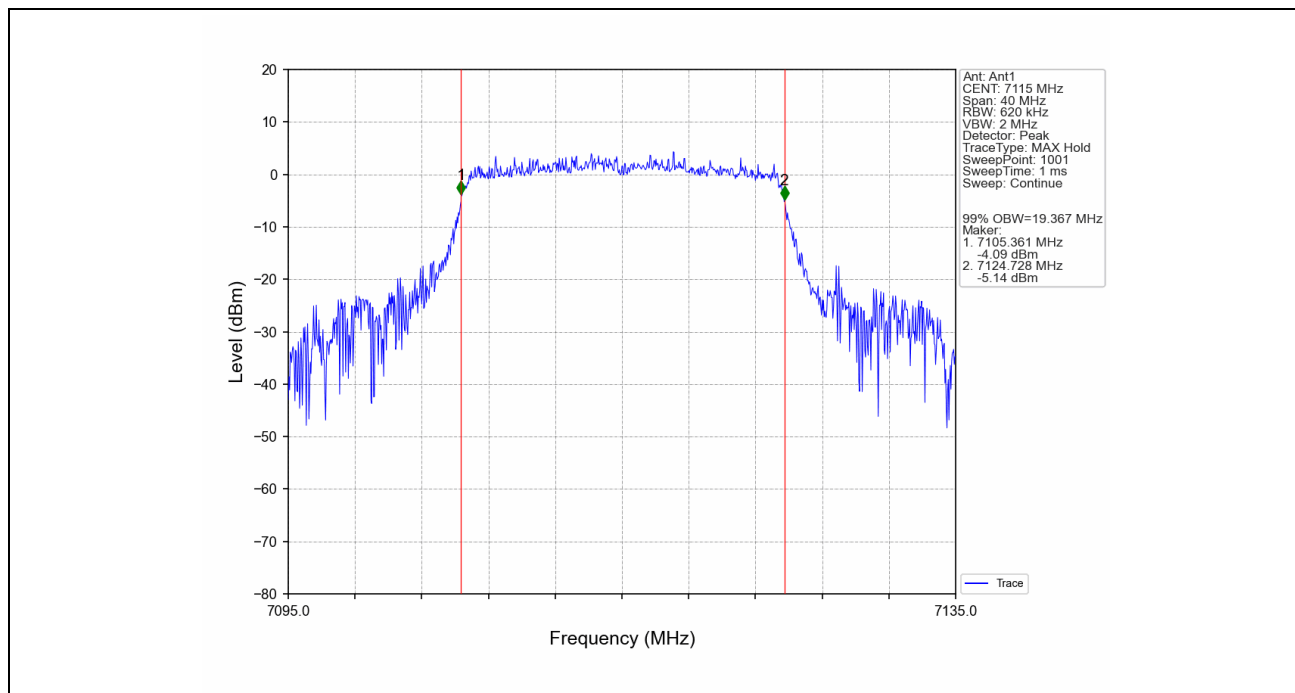


### 802.11ax(HEW20)\_MCH\_6995MHz\_RU242\_Left\_Ant1\_NTNV

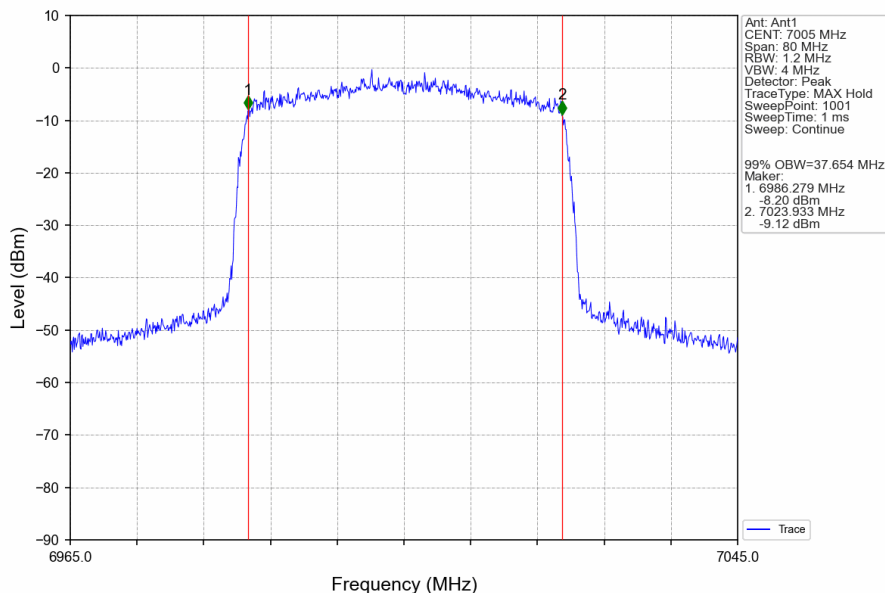


### 802.11ax(HEW20)\_HCH\_7115MHz\_RU242\_Left\_Ant1\_NTNV

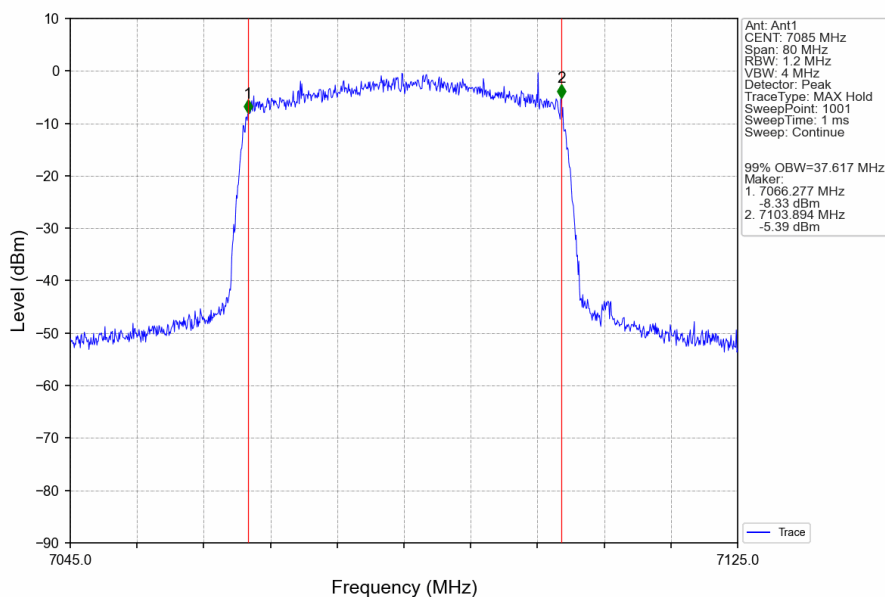




802.11ax(HEW40)\_MCH\_7005MHz\_RU484\_Left\_Ant1\_NTNV



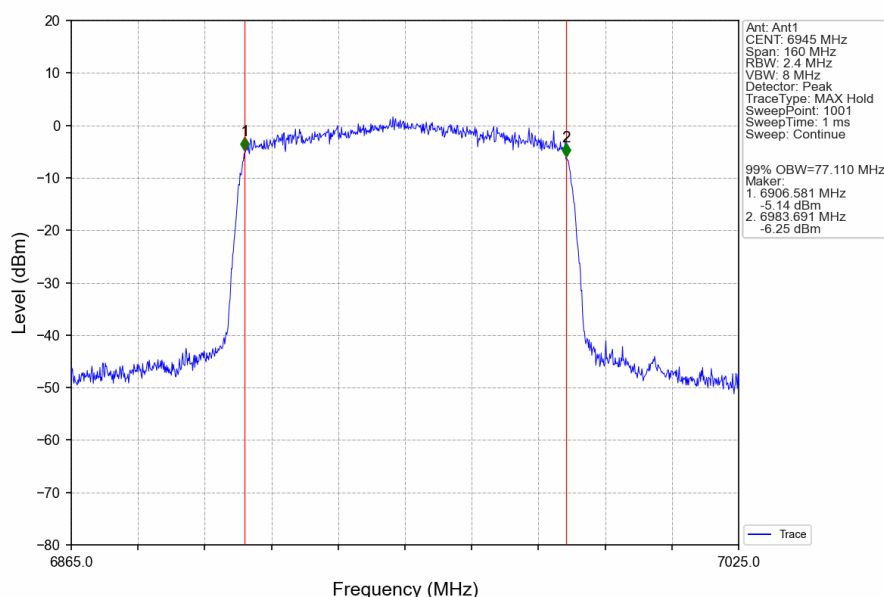
802.11ax(HEW40)\_HCH\_7085MHz\_RU484\_Left\_Ant1\_NTNV



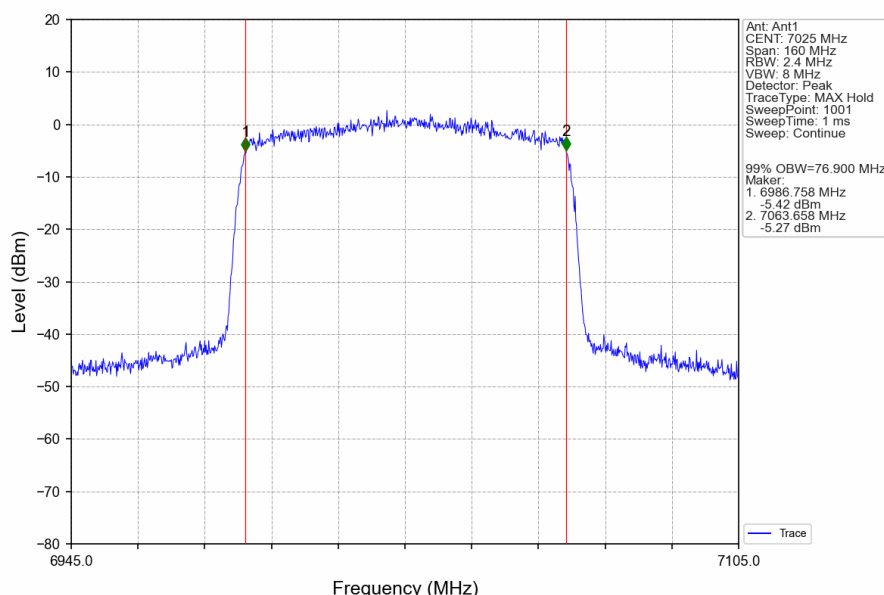
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### 802.11ax(HEW80)\_LCH\_6945MHz\_RU996\_Left\_Ant1\_NTNV



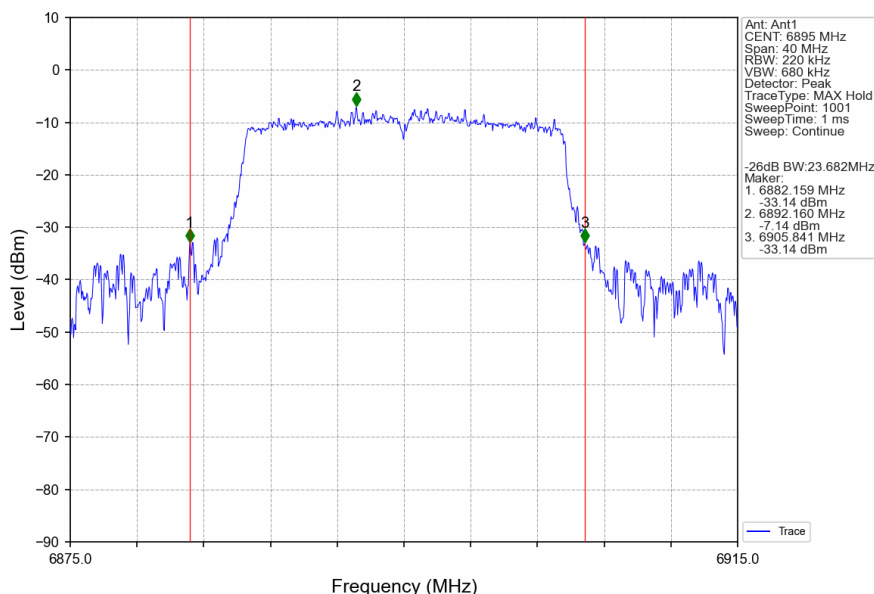
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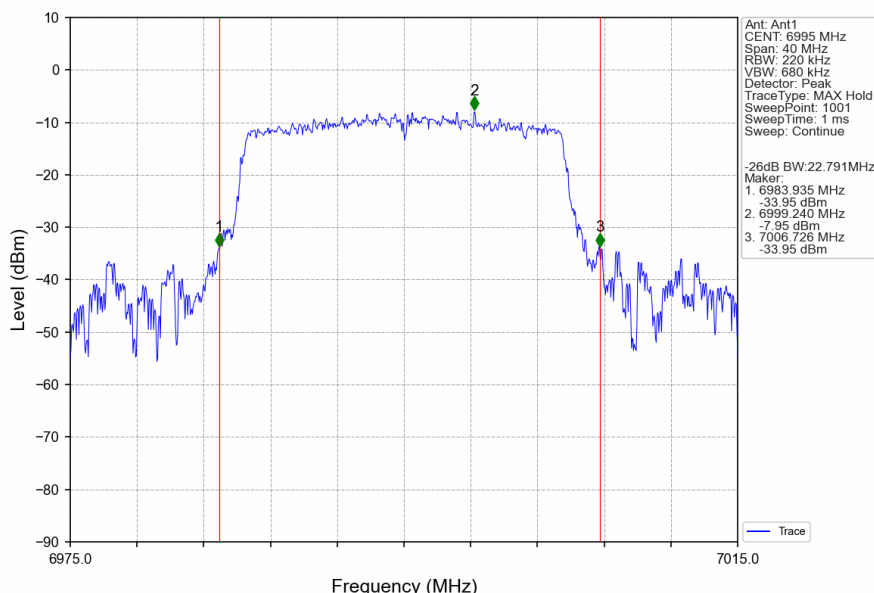
## 2.2.8 26dB BW



### 802.11ax(HEW20)\_LCH\_6895MHz\_RU242\_Left\_Ant1\_NTNV

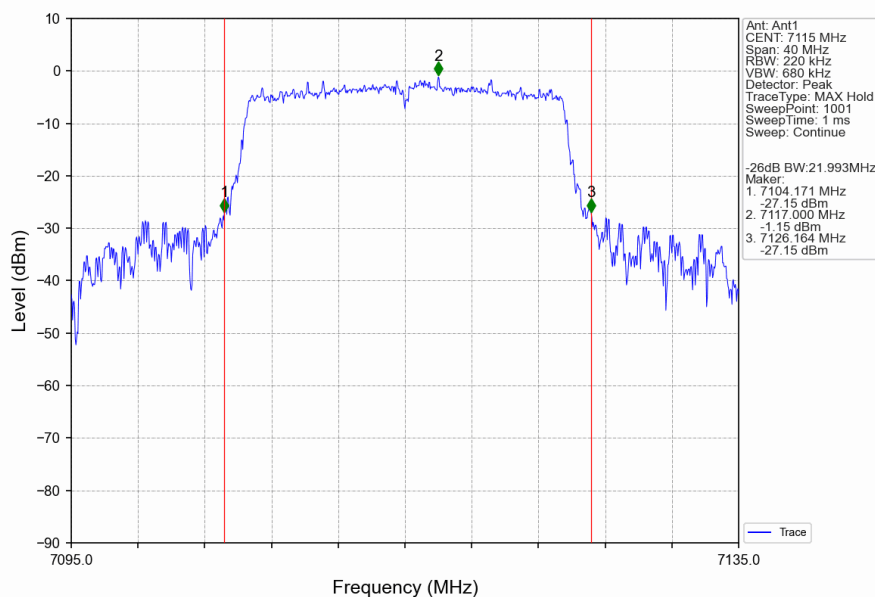


### 802.11ax(HEW20)\_MCH\_6995MHz\_RU242\_Left\_Ant1\_NTNV

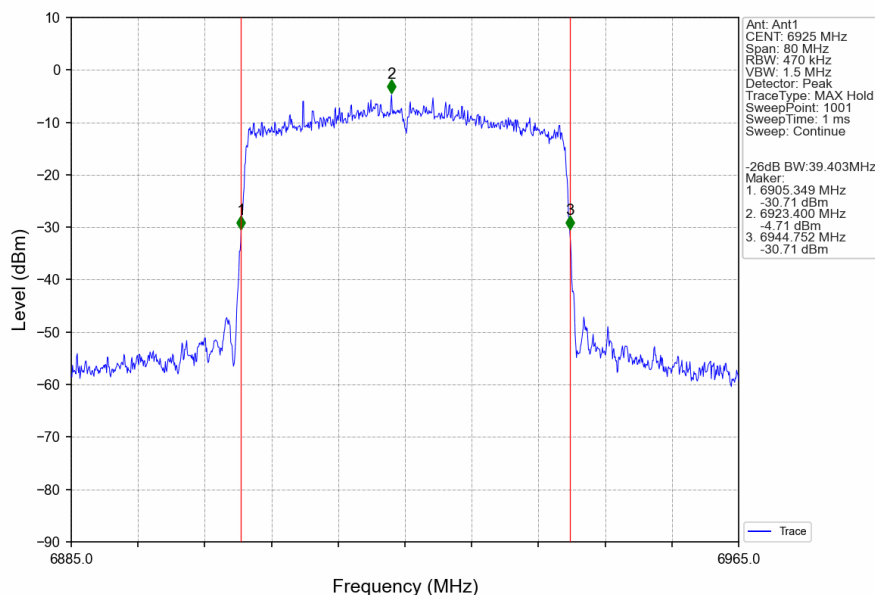


### 802.11ax(HEW20)\_HCH\_7115MHz\_RU242\_Left\_Ant1\_NTNV

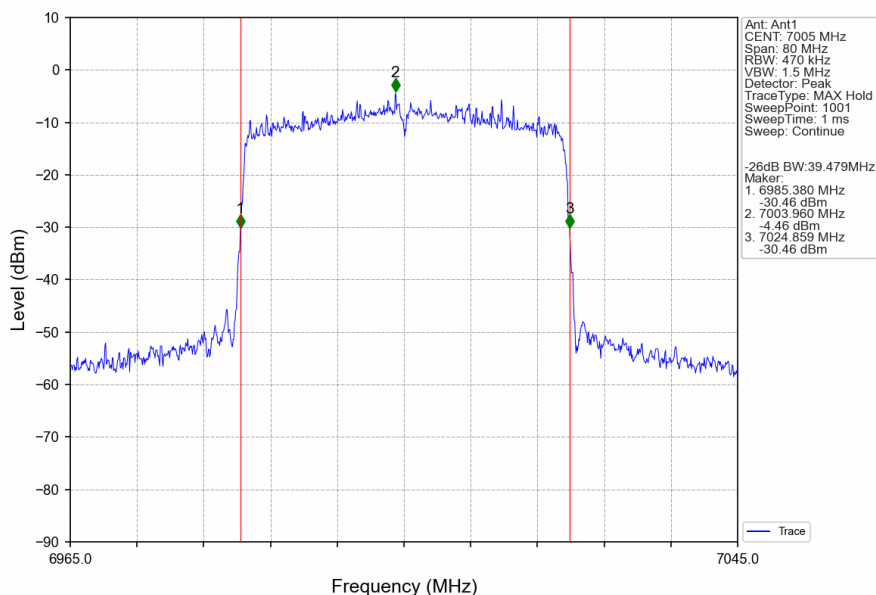




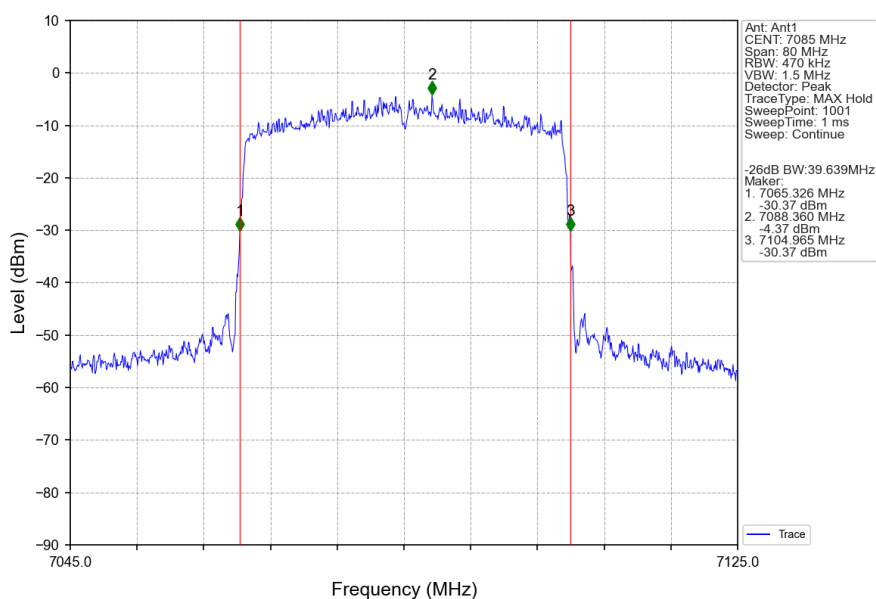
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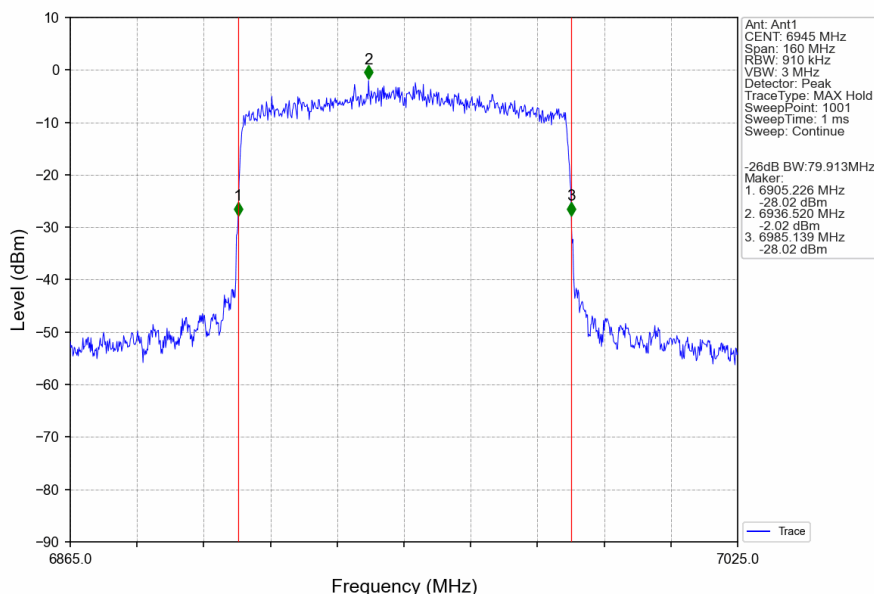
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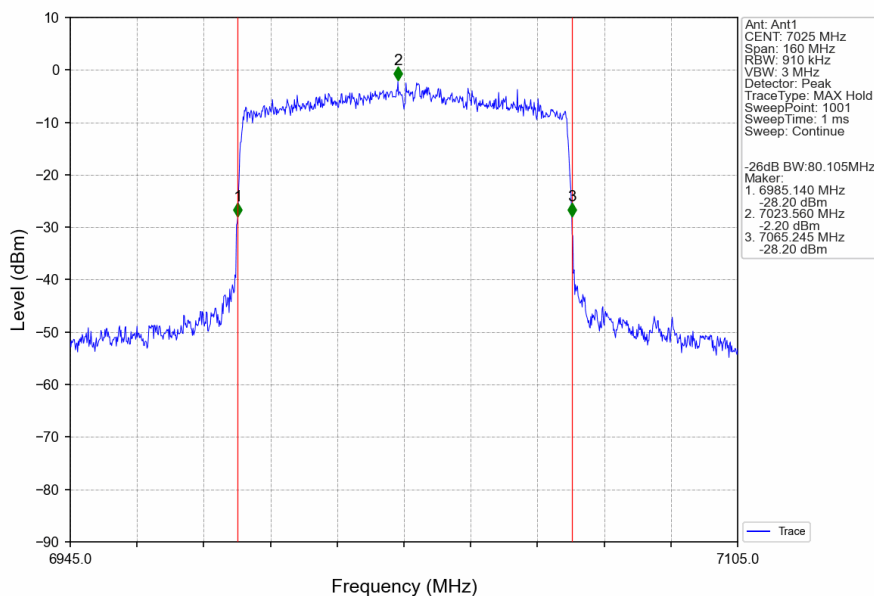
802.11ax(HEW40)\_HCH\_7085MHz\_RU484\_Left\_Ant1\_NTNV



802.11ax(HEW80)\_LCH\_6945MHz\_RU996\_Left\_Ant1\_NTNV



802.11ax(HEW80)\_HCH\_7025MHz\_RU996\_Left\_Ant1\_NTNV



### 3. Maximum Conducted Output Power



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Shenzhen Branch

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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

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### 3.1 Test Result

#### 3.1.1 Power

| ENV  | Mode             | TX Type | Frequency (MHz) | RU    | RU Pos | Maximum Average Conducted Output Power (dBm) |      |      |       | Verdict |
|------|------------------|---------|-----------------|-------|--------|----------------------------------------------|------|------|-------|---------|
|      |                  |         |                 |       |        | ANT1                                         | ANT2 | MIMO | Limit |         |
| NTNV | 802.11ax (HEW20) | MIMO    | 5955            | RU242 | Left   | 0.66                                         | 0.57 | 3.63 | /     | Pass    |
|      |                  |         | 6175            | RU242 | Left   | 0.70                                         | 0.72 | 3.72 | /     | Pass    |
|      |                  |         | 6415            | RU242 | Left   | 1.64                                         | 1.32 | 4.49 | /     | Pass    |
|      | 802.11ax (HEW40) | MIMO    | 5965            | RU484 | Left   | 3.20                                         | 3.88 | 6.56 | /     | Pass    |
|      |                  |         | 6165            | RU484 | Left   | 4.11                                         | 4.16 | 7.15 | /     | Pass    |
|      |                  |         | 6405            | RU484 | Left   | 3.36                                         | 3.68 | 6.53 | /     | Pass    |
|      | 802.11ax (HEW80) | MIMO    | 5985            | RU996 | Left   | 4.89                                         | 4.92 | 7.92 | /     | Pass    |
|      |                  |         | 6145            | RU996 | Left   | 5.54                                         | 5.97 | 8.77 | /     | Pass    |
|      |                  |         | 6385            | RU996 | Left   | 5.97                                         | 5.80 | 8.90 | /     | Pass    |

Note1: Antenna Gain: Ant1: 5.22dBi; Ant2: 5.12dBi;

#### 3.1.2 EIRP

| ENV  | Mode             | TX Type | Frequency (MHz) | RU    | RU Pos | E.I.R.P (dBm) |       |       |       | Verdict |
|------|------------------|---------|-----------------|-------|--------|---------------|-------|-------|-------|---------|
|      |                  |         |                 |       |        | ANT1          | ANT2  | MIMO  | Limit |         |
| NTNV | 802.11ax (HEW20) | MIMO    | 5955            | RU242 | Left   | 5.88          | 5.69  | 8.80  | <=24  | Pass    |
|      |                  |         | 6175            | RU242 | Left   | 5.92          | 5.84  | 8.89  | <=24  | Pass    |
|      |                  |         | 6415            | RU242 | Left   | 6.86          | 6.44  | 9.67  | <=24  | Pass    |
|      | 802.11ax (HEW40) | MIMO    | 5965            | RU484 | Left   | 8.42          | 9.00  | 11.73 | <=24  | Pass    |
|      |                  |         | 6165            | RU484 | Left   | 9.33          | 9.28  | 12.32 | <=24  | Pass    |
|      |                  |         | 6405            | RU484 | Left   | 8.58          | 8.80  | 11.70 | <=24  | Pass    |
|      | 802.11ax (HEW80) | MIMO    | 5985            | RU996 | Left   | 10.11         | 10.04 | 13.09 | <=24  | Pass    |
|      |                  |         | 6145            | RU996 | Left   | 10.76         | 11.09 | 13.94 | <=24  | Pass    |
|      |                  |         | 6385            | RU996 | Left   | 11.19         | 10.92 | 14.07 | <=24  | Pass    |

Note1: Antenna Gain: Ant1: 5.22dBi; Ant2: 5.12dBi;  
Note2: E.I.R.P = Measured Power + Antenna Gain

#### 3.1.3 Power

| ENV  | Mode             | TX Type | Frequency (MHz) | RU    | RU Pos | Maximum Average Conducted Output Power (dBm) |      |      |       | Verdict |
|------|------------------|---------|-----------------|-------|--------|----------------------------------------------|------|------|-------|---------|
|      |                  |         |                 |       |        | ANT1                                         | ANT2 | MIMO | Limit |         |
| NTNV | 802.11ax (HEW20) | MIMO    | 6435            | RU242 | Left   | 1.59                                         | 1.99 | 4.80 | /     | Pass    |
|      |                  |         | 6475            | RU242 | Left   | 1.31                                         | 1.40 | 4.37 | /     | Pass    |
|      |                  |         | 6515            | RU242 | Left   | 1.57                                         | 1.42 | 4.51 | /     | Pass    |



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SZEMC-TRF-01 Rev. A/1

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|  |                     |      |      |       |      |      |      |      |   |      |
|--|---------------------|------|------|-------|------|------|------|------|---|------|
|  | 802.11ax<br>(HEW40) | MIMO | 6445 | RU484 | Left | 3.10 | 2.75 | 5.94 | / | Pass |
|  |                     |      | 6485 | RU484 | Left | 1.46 | 3.22 | 5.44 | / | Pass |
|  | 802.11ax<br>(HEW80) | MIMO | 6465 | RU996 | Left | 5.63 | 5.97 | 8.81 | / | Pass |

Note1: Antenna Gain: Ant1: 5.22dBi; Ant2: 5.12dBi;

## 3.1.4 EIRP

| ENV  | Mode                | TX Type | Frequency (MHz) | RU    | RU Pos | E.I.R.P (dBm) |       |       |       | Verdict |
|------|---------------------|---------|-----------------|-------|--------|---------------|-------|-------|-------|---------|
|      |                     |         |                 |       |        | ANT1          | ANT2  | MIMO  | Limit |         |
| NTNV | 802.11ax<br>(HEW20) | MIMO    | 6435            | RU242 | Left   | 6.81          | 7.11  | 9.97  | <=24  | Pass    |
|      |                     |         | 6475            | RU242 | Left   | 6.53          | 6.52  | 9.54  | <=24  | Pass    |
|      |                     |         | 6515            | RU242 | Left   | 6.79          | 6.54  | 9.68  | <=24  | Pass    |
|      | 802.11ax<br>(HEW40) | MIMO    | 6445            | RU484 | Left   | 8.32          | 7.87  | 11.11 | <=24  | Pass    |
|      |                     |         | 6485            | RU484 | Left   | 6.68          | 8.34  | 10.60 | <=24  | Pass    |
|      | 802.11ax<br>(HEW80) | MIMO    | 6465            | RU996 | Left   | 10.85         | 11.09 | 13.98 | <=24  | Pass    |

Note1: Antenna Gain: Ant1: 5.22dBi; Ant2: 5.12dBi;

Note2: E.I.R.P = Measured Power + Antenna Gain

## 3.1.5 Power

| ENV  | Mode                | TX Type | Frequency (MHz) | RU    | RU Pos | Maximum Average Conducted Output Power (dBm) |      |      |       | Verdict |
|------|---------------------|---------|-----------------|-------|--------|----------------------------------------------|------|------|-------|---------|
|      |                     |         |                 |       |        | ANT1                                         | ANT2 | MIMO | Limit |         |
| NTNV | 802.11ax<br>(HEW20) | MIMO    | 6535            | RU242 | Left   | 1.57                                         | 1.37 | 4.48 | /     | Pass    |
|      |                     |         | 6695            | RU242 | Left   | 1.95                                         | 0.94 | 4.48 | /     | Pass    |
|      |                     |         | 6855            | RU242 | Left   | 2.09                                         | 1.16 | 4.66 | /     | Pass    |
|      | 802.11ax<br>(HEW40) | MIMO    | 6565            | RU484 | Left   | 1.80                                         | 3.11 | 5.51 | /     | Pass    |
|      |                     |         | 6685            | RU484 | Left   | 2.93                                         | 3.18 | 6.07 | /     | Pass    |
|      |                     |         | 6845            | RU484 | Left   | 2.77                                         | 3.14 | 5.97 | /     | Pass    |
|      | 802.11ax<br>(HEW80) | MIMO    | 6625            | RU996 | Left   | 6.50                                         | 5.92 | 9.23 | /     | Pass    |
|      |                     |         | 6705            | RU996 | Left   | 6.79                                         | 6.18 | 9.51 | /     | Pass    |
|      |                     |         | 6785            | RU996 | Left   | 5.93                                         | 5.75 | 8.85 | /     | Pass    |

Note1: Antenna Gain: Ant1: 5.22dBi; Ant2: 5.12dBi;

## 3.1.6 EIRP

| ENV  | Mode                | TX Type | Frequency (MHz) | RU    | RU Pos | E.I.R.P (dBm) |      |      |       | Verdict |
|------|---------------------|---------|-----------------|-------|--------|---------------|------|------|-------|---------|
|      |                     |         |                 |       |        | ANT1          | ANT2 | MIMO | Limit |         |
| NTNV | 802.11ax<br>(HEW20) | MIMO    | 6535            | RU242 | Left   | 6.79          | 6.49 | 9.65 | <=24  | Pass    |
|      |                     |         | 6695            | RU242 | Left   | 7.17          | 6.06 | 9.66 | <=24  | Pass    |



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|  |                     |      |      |       |      |       |       |       |      |      |
|--|---------------------|------|------|-------|------|-------|-------|-------|------|------|
|  |                     |      | 6855 | RU242 | Left | 7.31  | 6.28  | 9.84  | <=24 | Pass |
|  | 802.11ax<br>(HEW40) | MIMO | 6565 | RU484 | Left | 7.02  | 8.23  | 10.68 | <=24 | Pass |
|  |                     |      | 6685 | RU484 | Left | 8.15  | 8.30  | 11.24 | <=24 | Pass |
|  |                     |      | 6845 | RU484 | Left | 7.99  | 8.26  | 11.14 | <=24 | Pass |
|  | 802.11ax<br>(HEW80) | MIMO | 6625 | RU996 | Left | 11.72 | 11.04 | 14.40 | <=24 | Pass |
|  |                     |      | 6705 | RU996 | Left | 12.01 | 11.30 | 14.68 | <=24 | Pass |
|  |                     |      | 6785 | RU996 | Left | 11.15 | 10.87 | 14.02 | <=24 | Pass |

Note1: Antenna Gain: Ant1: 5.22dBi; Ant2: 5.12dBi;

Note2: E.I.R.P = Measured Power + Antenna Gain

## 3.1.7 Power

| ENV  | Mode                | TX Type | Frequency (MHz) | RU    | RU Pos | Maximum Average Conducted Output Power (dBm) |        |       |       | Verdict |
|------|---------------------|---------|-----------------|-------|--------|----------------------------------------------|--------|-------|-------|---------|
|      |                     |         |                 |       |        | ANT1                                         | ANT2   | MIMO  | Limit |         |
| NTNV | 802.11ax<br>(HEW20) | MIMO    | 6895            | RU242 | Left   | 1.48                                         | 0.43   | 4.00  | /     | Pass    |
|      |                     |         | 6995            | RU242 | Left   | 2.36                                         | 1.59   | 5.00  | /     | Pass    |
|      |                     |         | 7115            | RU242 | Left   | -8.25                                        | -12.32 | -6.81 | /     | Pass    |
|      | 802.11ax<br>(HEW40) | MIMO    | 6925            | RU484 | Left   | 4.04                                         | 2.63   | 6.40  | /     | Pass    |
|      |                     |         | 7005            | RU484 | Left   | 4.09                                         | 3.48   | 6.81  | /     | Pass    |
|      |                     |         | 7085            | RU484 | Left   | 4.56                                         | 3.51   | 7.08  | /     | Pass    |
|      | 802.11ax<br>(HEW80) | MIMO    | 6945            | RU996 | Left   | 6.70                                         | 5.81   | 9.29  | /     | Pass    |
|      |                     |         | 7025            | RU996 | Left   | 6.26                                         | 6.23   | 9.26  | /     | Pass    |

Note1: Antenna Gain: Ant1: 5.22dBi; Ant2: 5.12dBi;

## 3.1.8 EIRP

| ENV  | Mode                | TX Type | Frequency (MHz) | RU    | RU Pos | E.I.R.P (dBm) |       |       |       | Verdict |
|------|---------------------|---------|-----------------|-------|--------|---------------|-------|-------|-------|---------|
|      |                     |         |                 |       |        | ANT1          | ANT2  | MIMO  | Limit |         |
| NTNV | 802.11ax<br>(HEW20) | MIMO    | 6895            | RU242 | Left   | 6.70          | 5.55  | 9.17  | <=24  | Pass    |
|      |                     |         | 6995            | RU242 | Left   | 7.58          | 6.71  | 10.18 | <=24  | Pass    |
|      |                     |         | 7115            | RU242 | Left   | -3.03         | -7.20 | -1.62 | <=24  | Pass    |
|      | 802.11ax<br>(HEW40) | MIMO    | 6925            | RU484 | Left   | 9.26          | 7.75  | 11.58 | <=24  | Pass    |
|      |                     |         | 7005            | RU484 | Left   | 9.31          | 8.60  | 11.98 | <=24  | Pass    |
|      |                     |         | 7085            | RU484 | Left   | 9.78          | 8.63  | 12.25 | <=24  | Pass    |
|      | 802.11ax<br>(HEW80) | MIMO    | 6945            | RU996 | Left   | 11.92         | 10.93 | 14.46 | <=24  | Pass    |
|      |                     |         | 7025            | RU996 | Left   | 11.48         | 11.35 | 14.43 | <=24  | Pass    |

Note1: Antenna Gain: Ant1: 5.22dBi; Ant2: 5.12dBi;

Note2: E.I.R.P = Measured Power + Antenna Gain



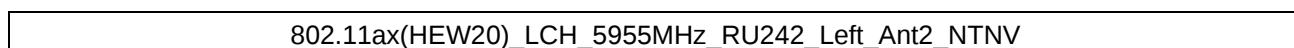
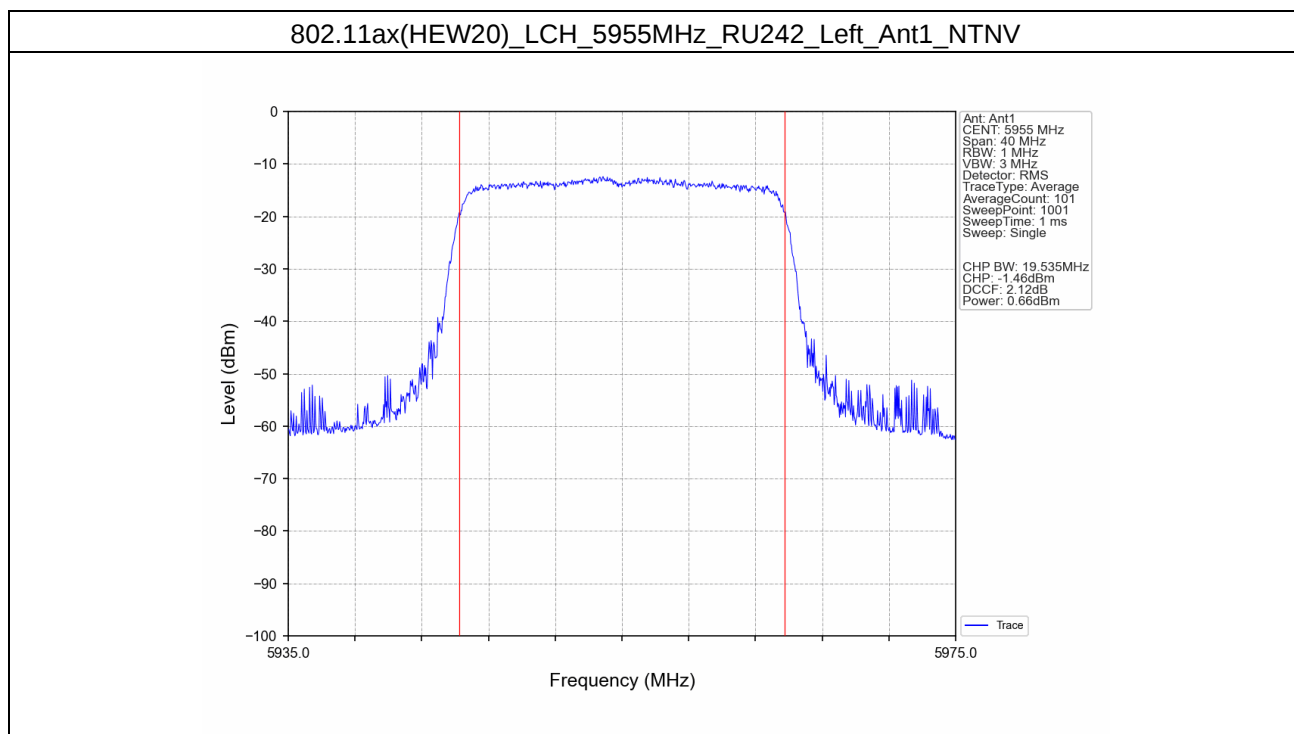
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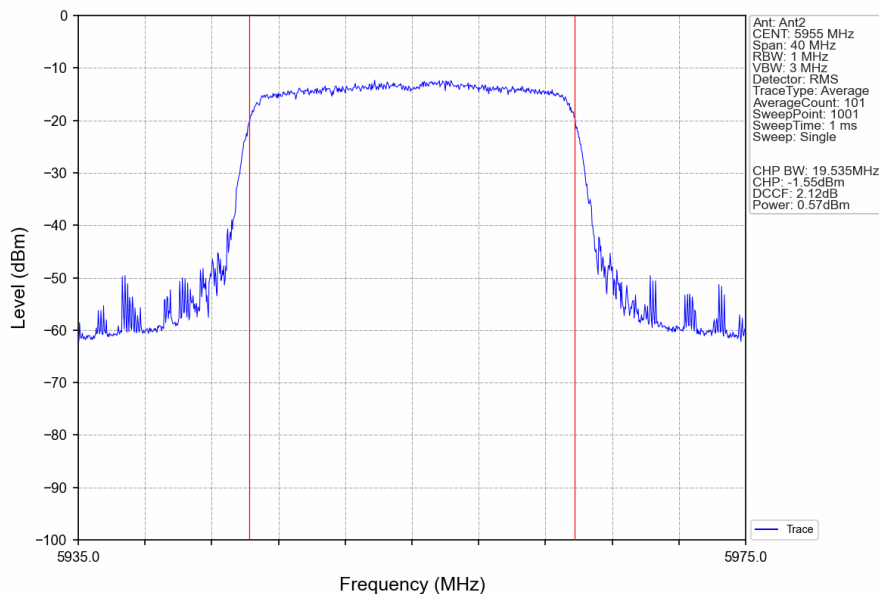
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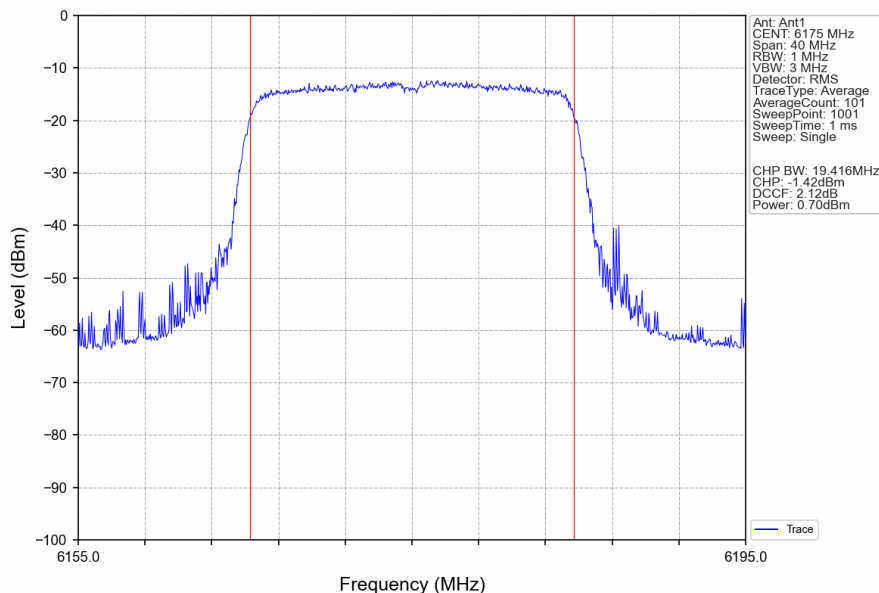
### 3.2 Test Graph

#### 3.2.1 Power



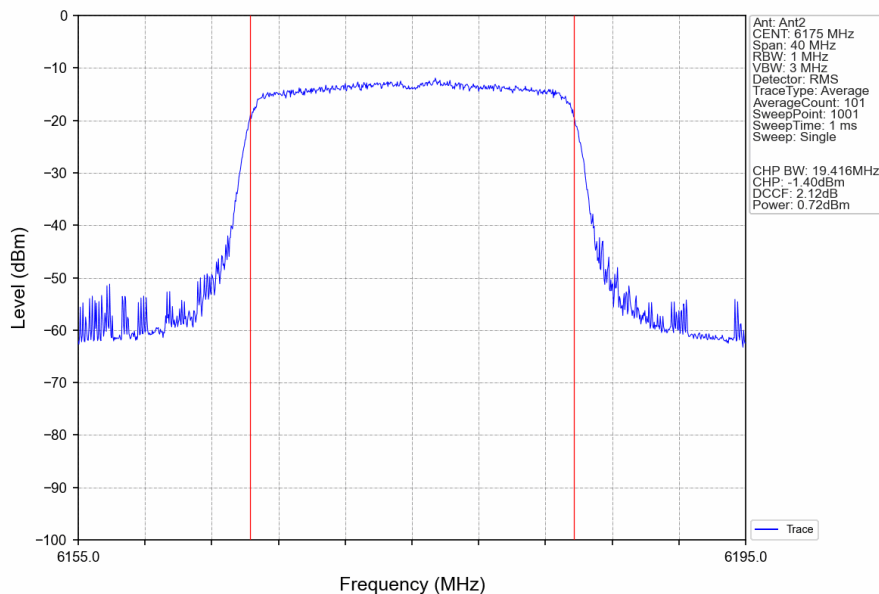


### 802.11ax(HEW20)\_MCH\_6175MHz\_RU242\_Left\_Ant1\_NTNV

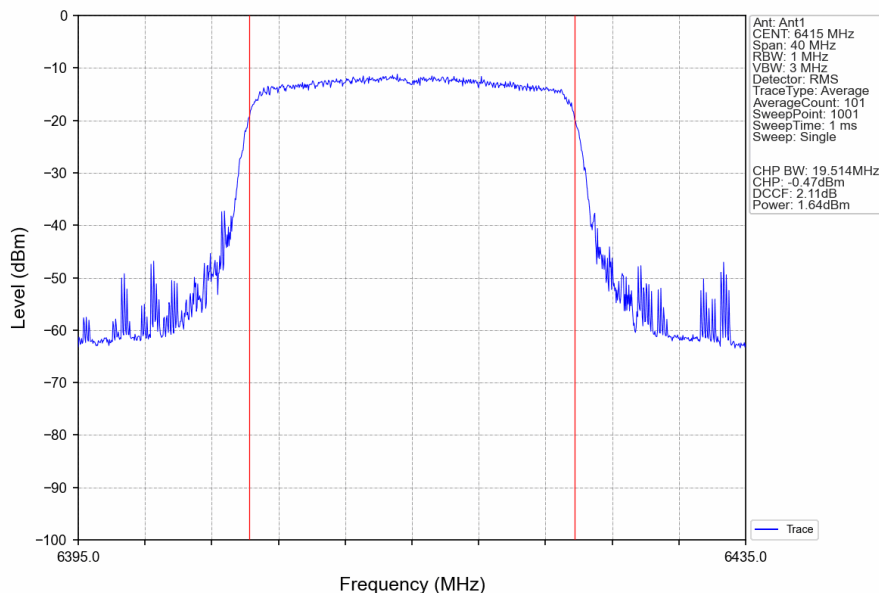


### 802.11ax(HEW20)\_MCH\_6175MHz\_RU242\_Left\_Ant2\_NTNV



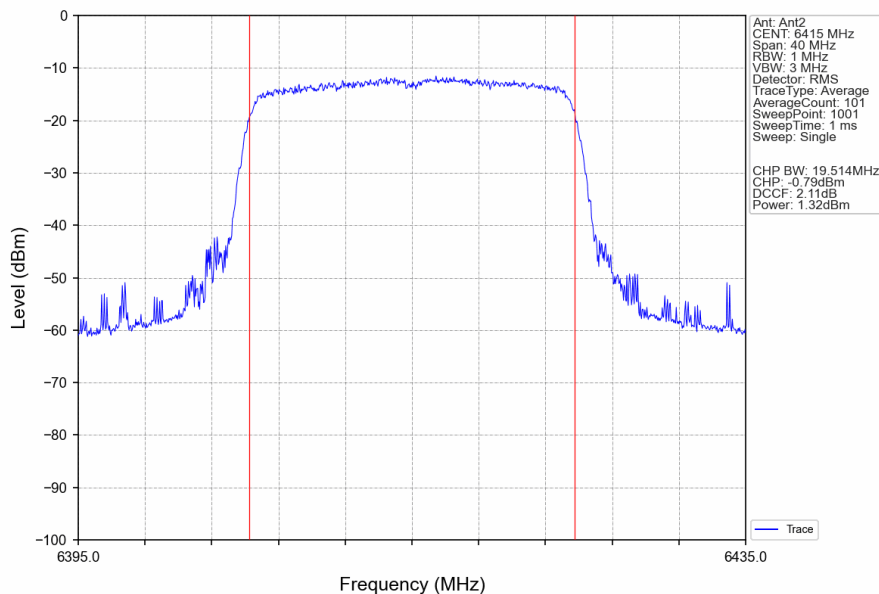


802.11ax(HEW20)\_HCH\_6415MHz\_RU242\_Left\_Ant1\_NTNV



802.11ax(HEW20)\_HCH\_6415MHz\_RU242\_Left\_Ant2\_NTNV





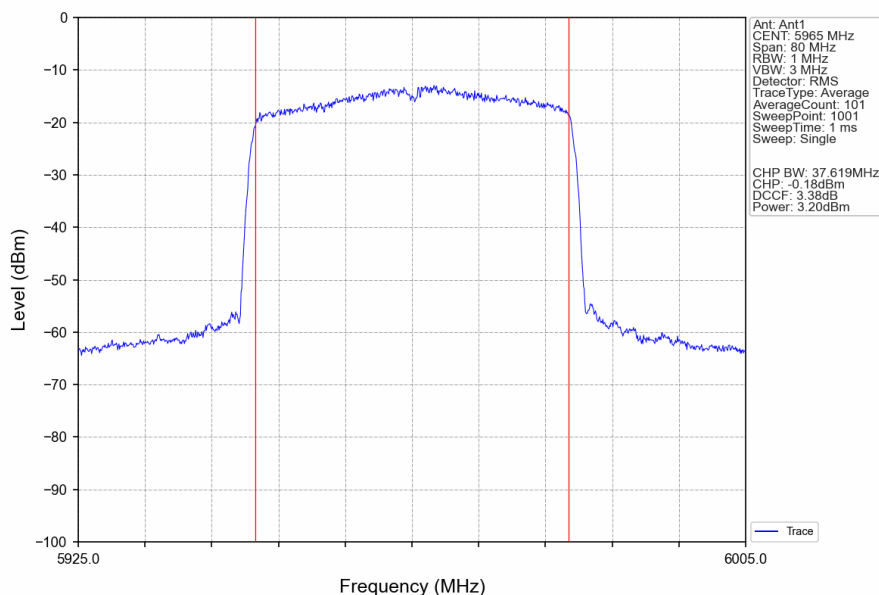
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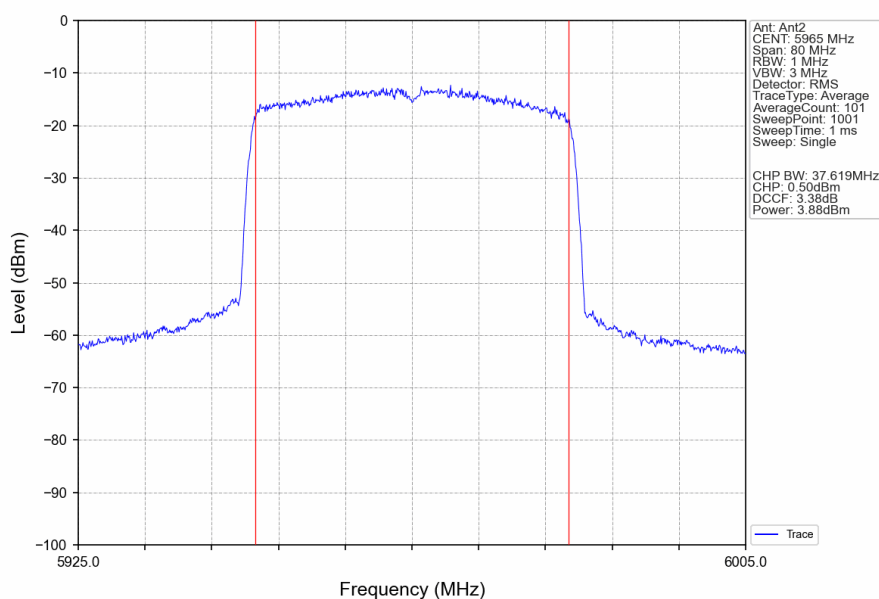
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802.11ax(HEW40)\_LCH\_5965MHz\_RU484\_Left\_Ant1\_NTNV



802.11ax(HEW40)\_LCH\_5965MHz\_RU484\_Left\_Ant2\_NTNV



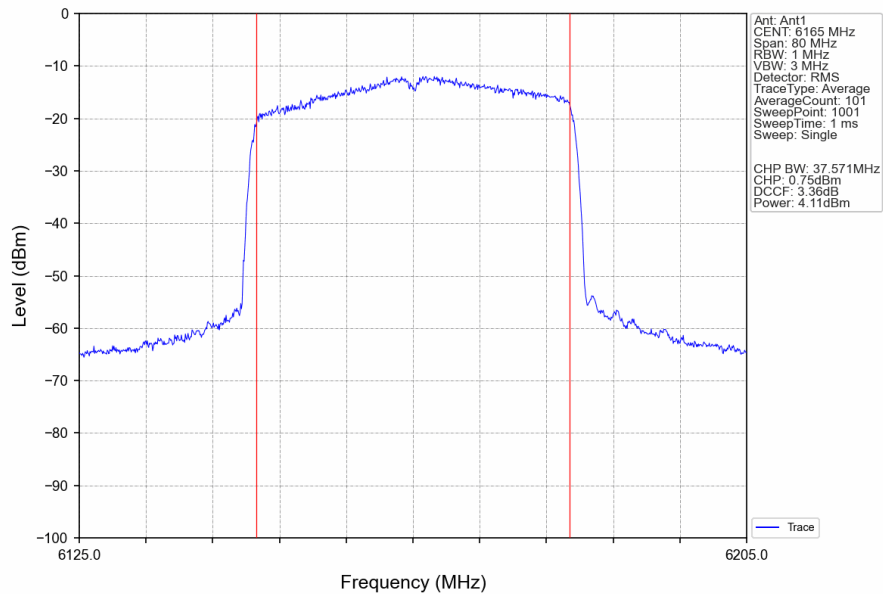
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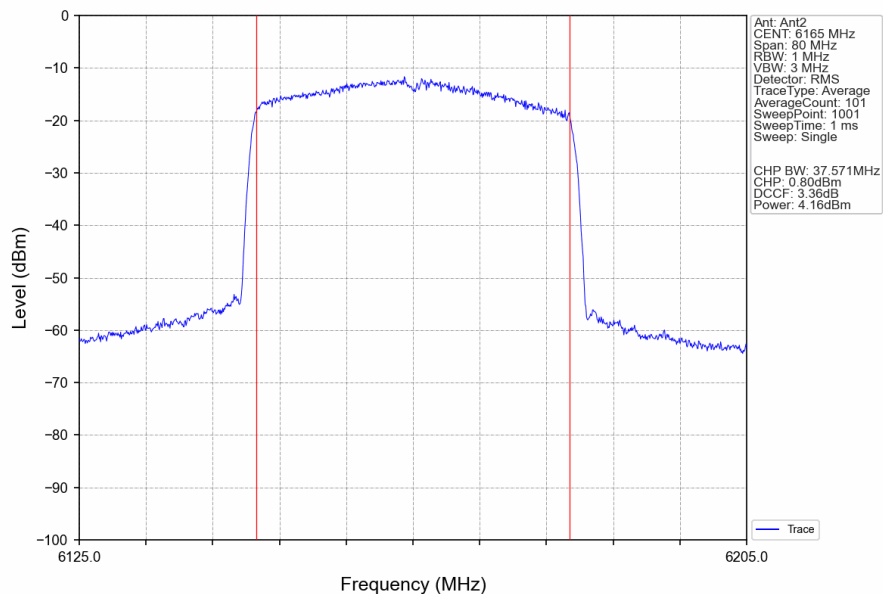
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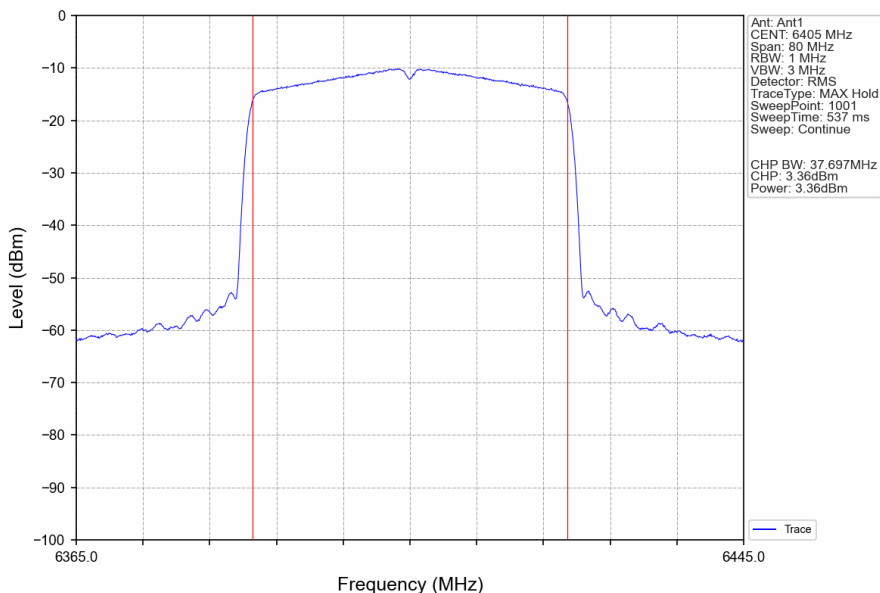
802.11ax(HEW40)\_MCH\_6165MHz\_RU484\_Left\_Ant1\_NTNV



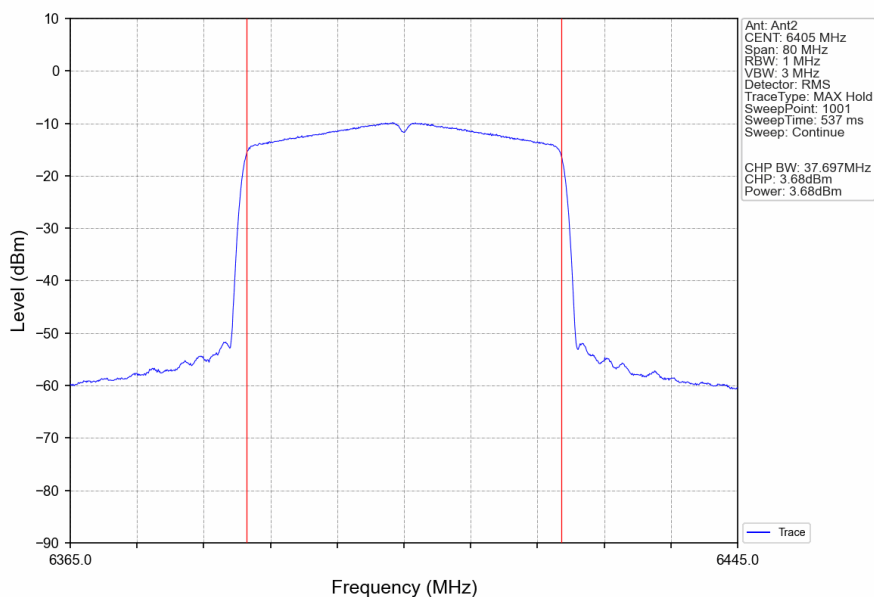
802.11ax(HEW40)\_MCH\_6165MHz\_RU484\_Left\_Ant2\_NTNV



802.11ax(HEW40)\_HCH\_6405MHz\_RU484\_Left\_Ant1\_NTNV



802.11ax(HEW40)\_HCH\_6405MHz\_RU484\_Left\_Ant2\_NTNV



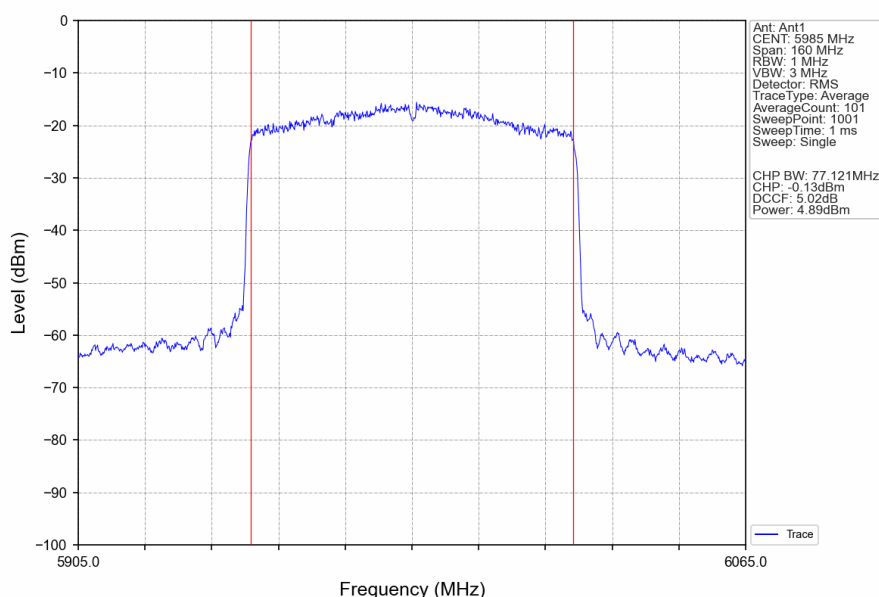
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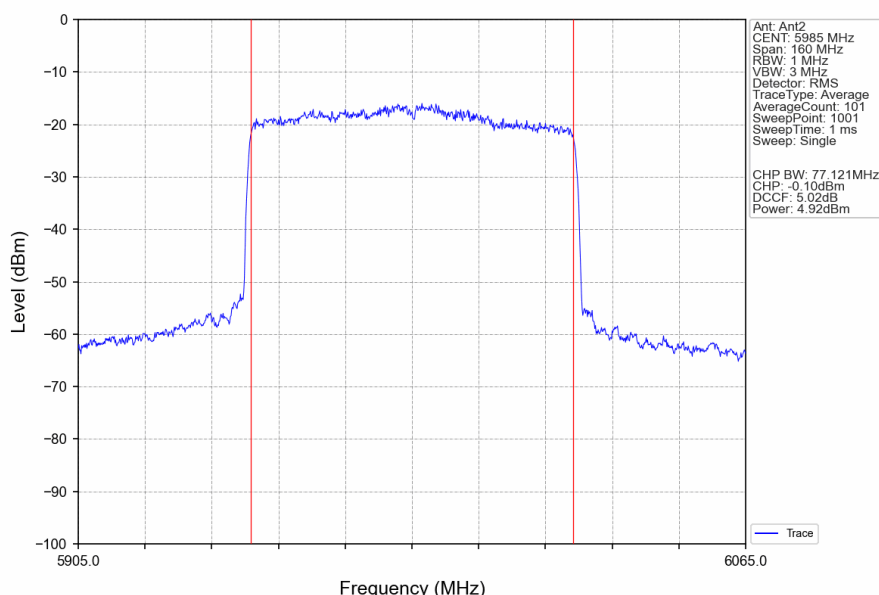
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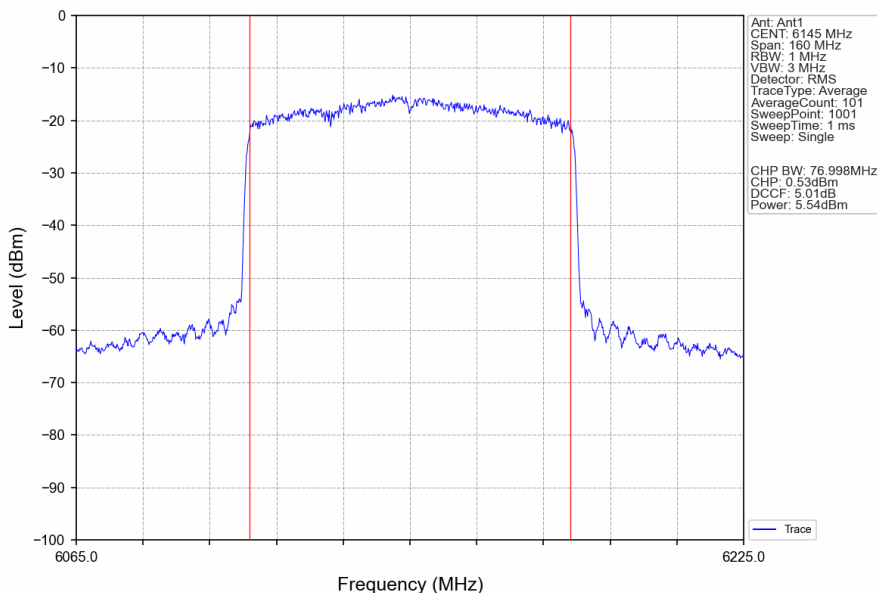
802.11ax(HEW80)\_LCH\_5985MHz\_RU996\_Left\_Ant1\_NTNV



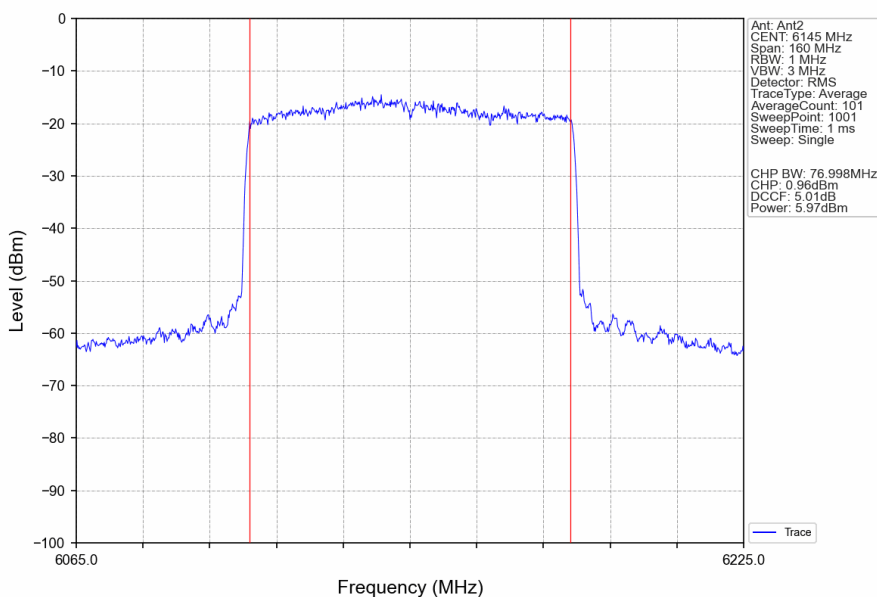
802.11ax(HEW80)\_LCH\_5985MHz\_RU996\_Left\_Ant2\_NTNV



802.11ax(HEW80)\_MCH\_6145MHz\_RU996\_Left\_Ant1\_NTNV



802.11ax(HEW80)\_MCH\_6145MHz\_RU996\_Left\_Ant2\_NTNV



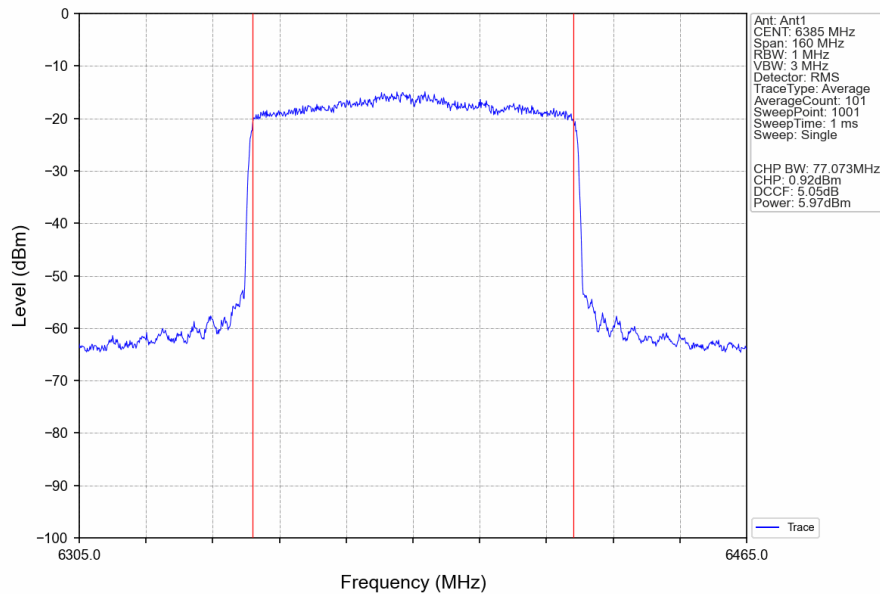
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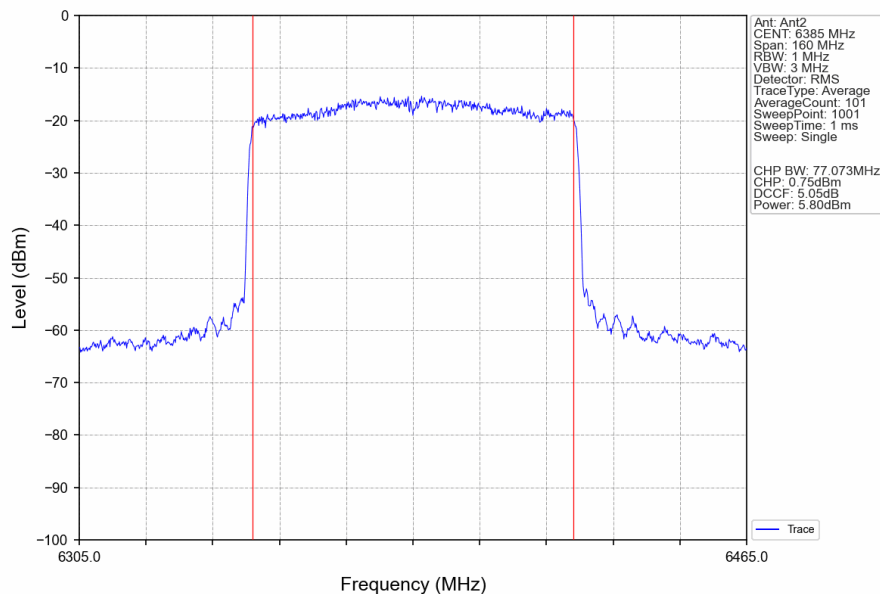
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802.11ax(HEW80)\_HCH\_6385MHz\_RU996\_Left\_Ant1\_NTNV



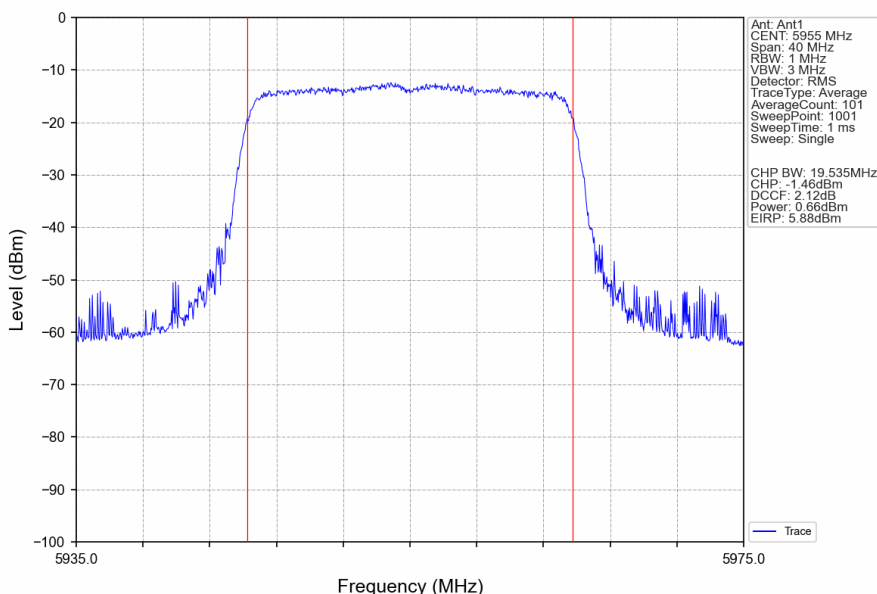
802.11ax(HEW80)\_HCH\_6385MHz\_RU996\_Left\_Ant2\_NTNV



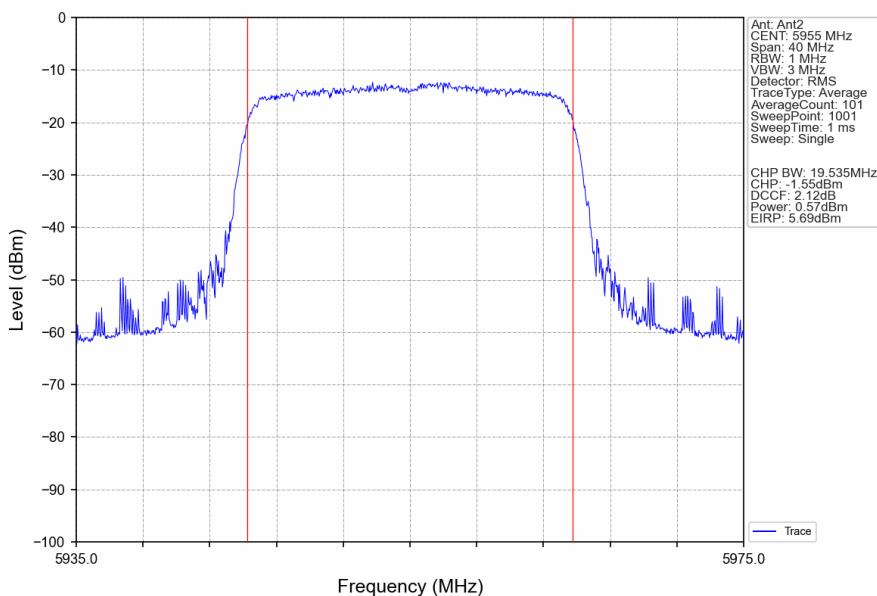
### 3.2.2 EIRP



### 802.11ax(HEW20)\_LCH\_5955MHz\_RU242\_Left\_Ant1\_NTNV

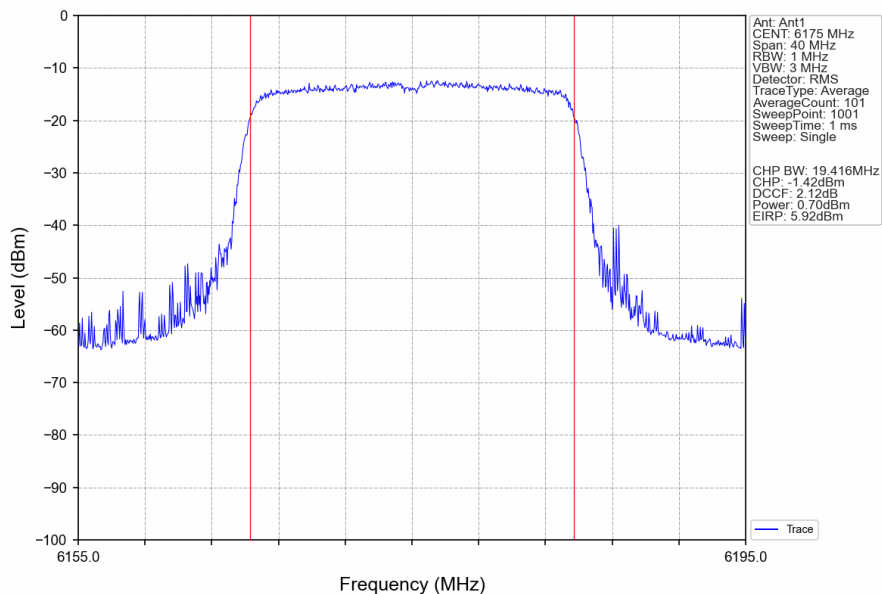


### 802.11ax(HEW20)\_LCH\_5955MHz\_RU242\_Left\_Ant2\_NTNV

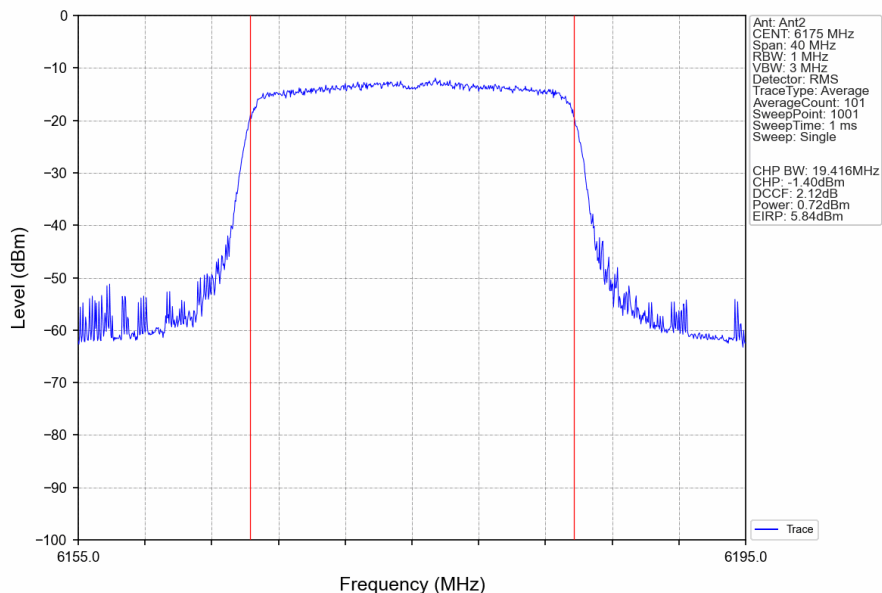


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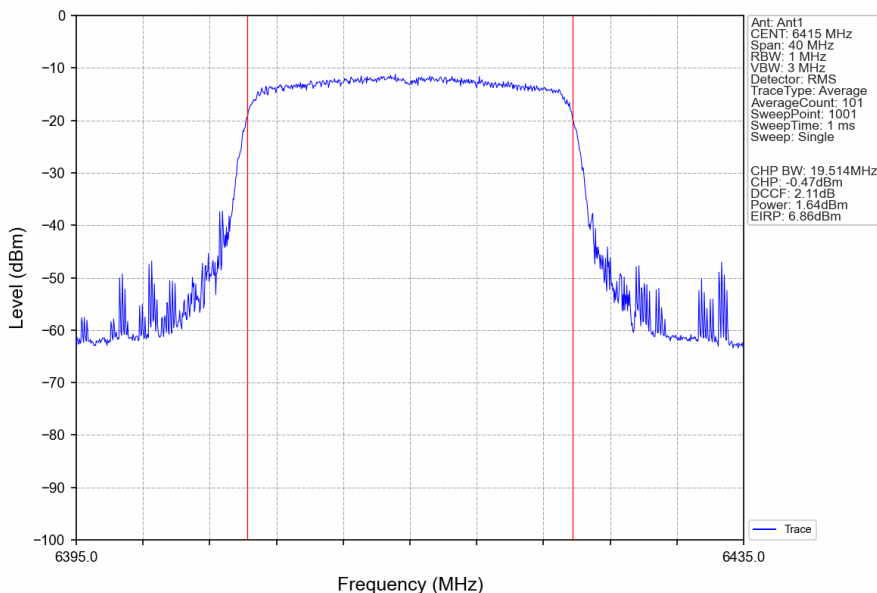




### 802.11ax(HEW20)\_MCH\_6175MHz\_RU242\_Left\_Ant2\_NTNV



802.11ax(HEW20)\_HCH\_6415MHz\_RU242\_Left\_Ant1\_NTNV



802.11ax(HEW20)\_HCH\_6415MHz\_RU242\_Left\_Ant2\_NTNV

