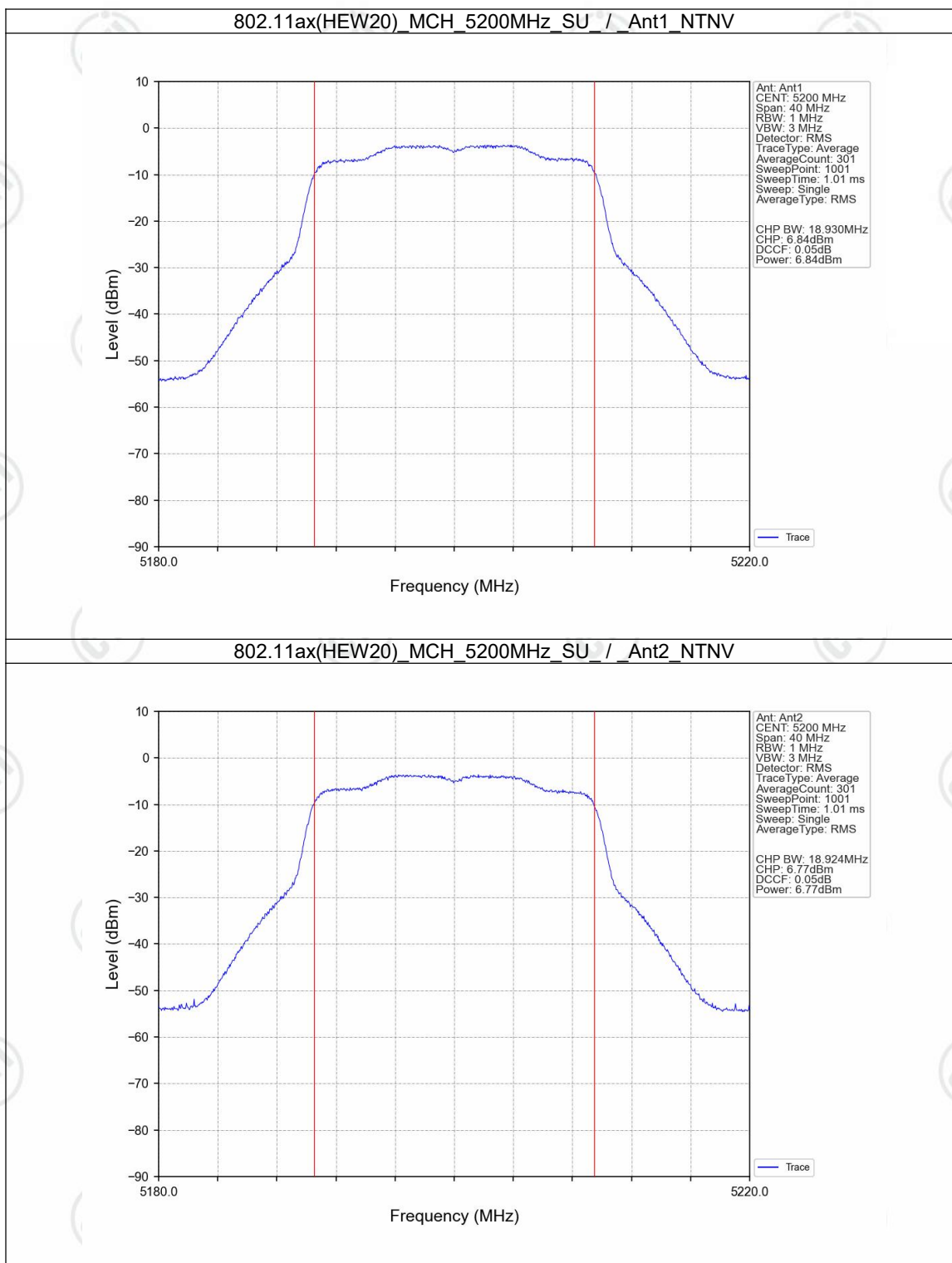
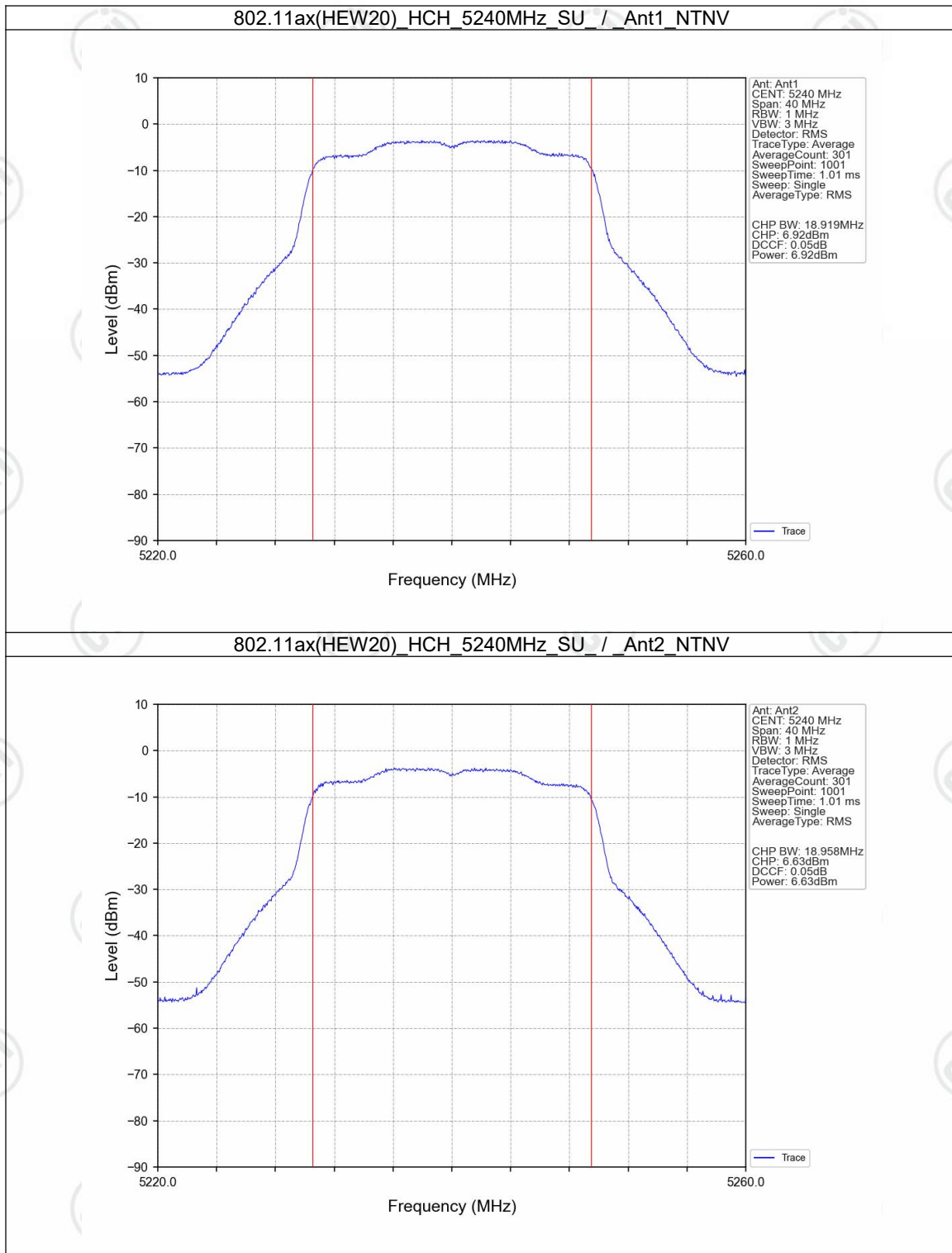
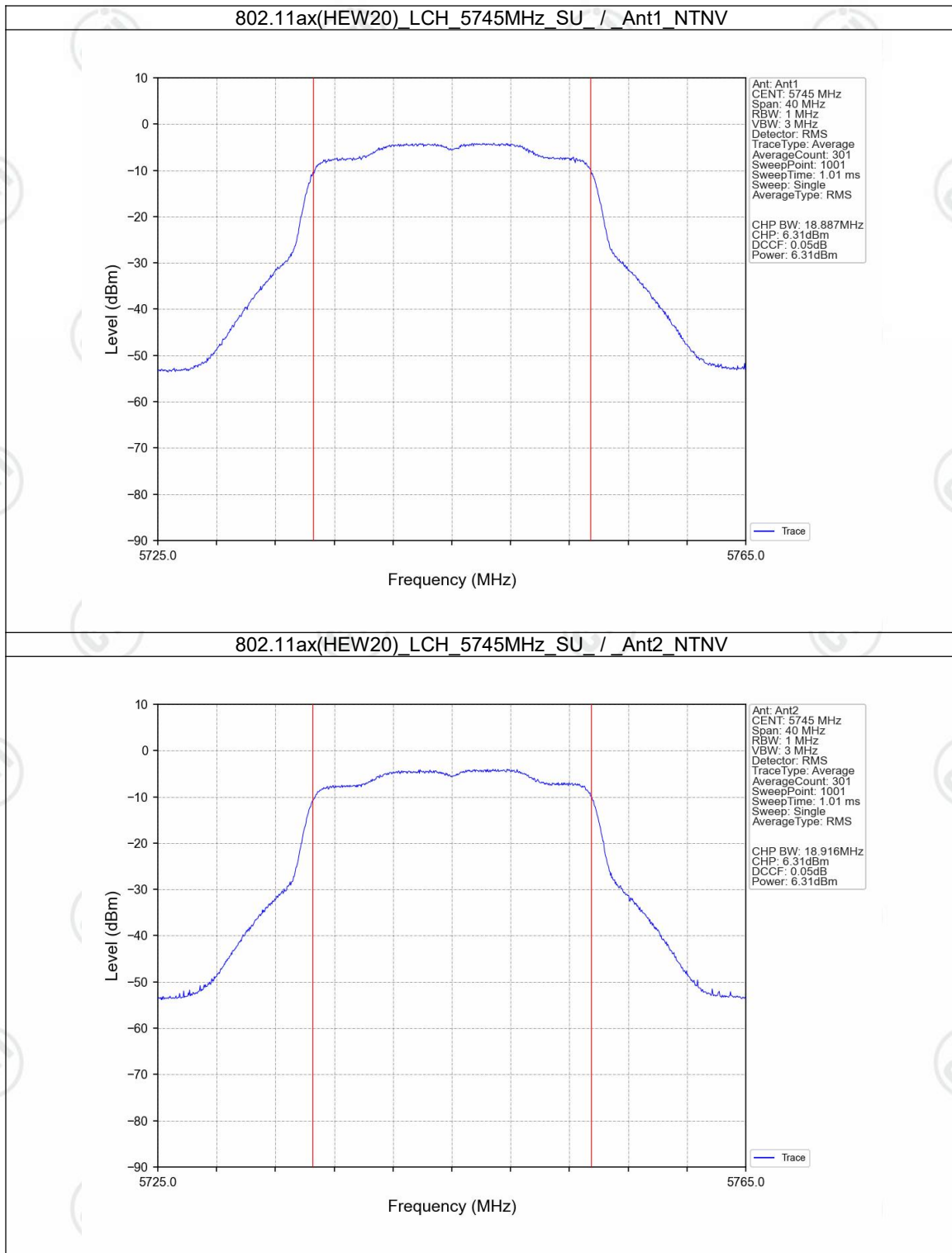
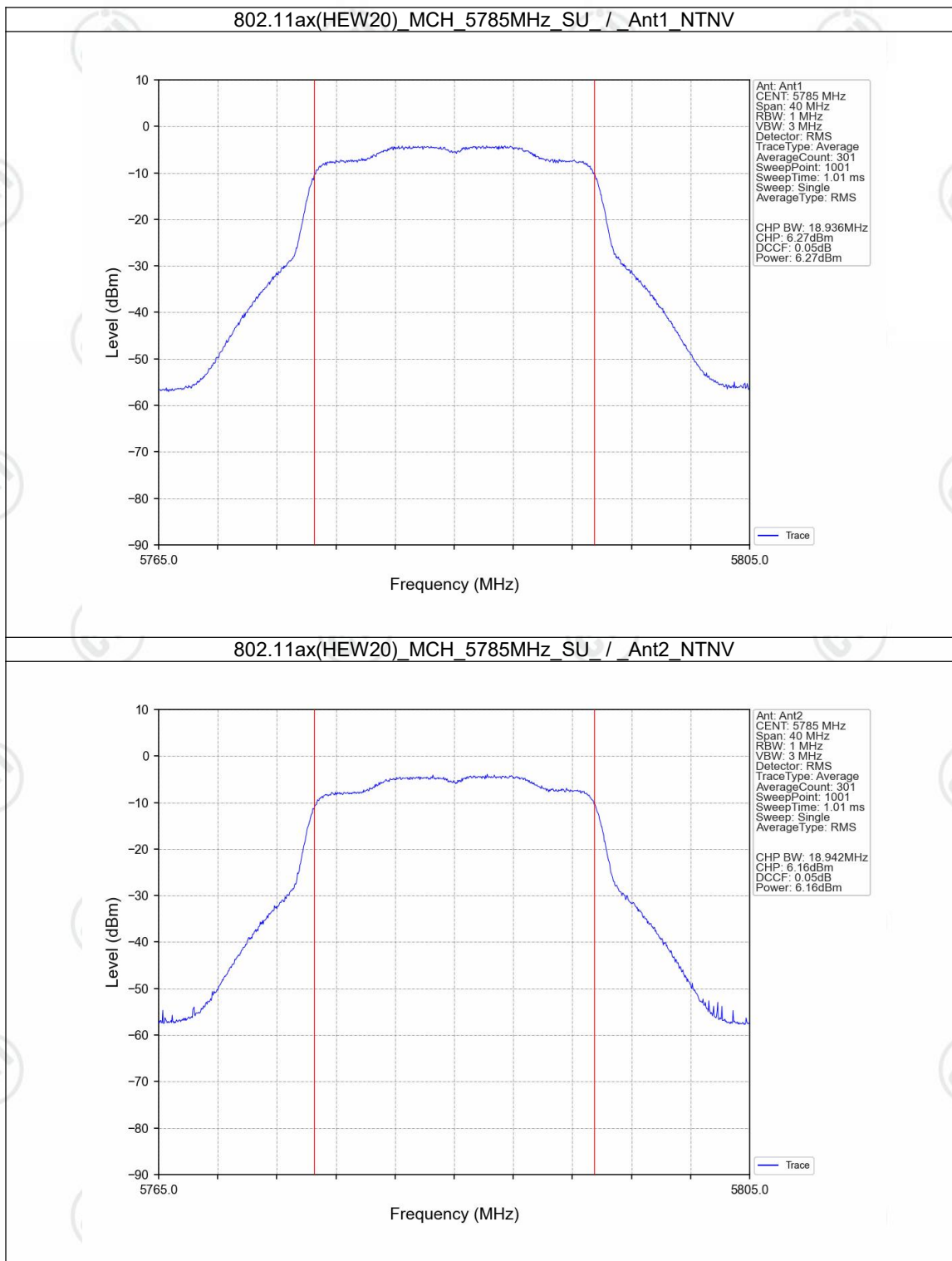
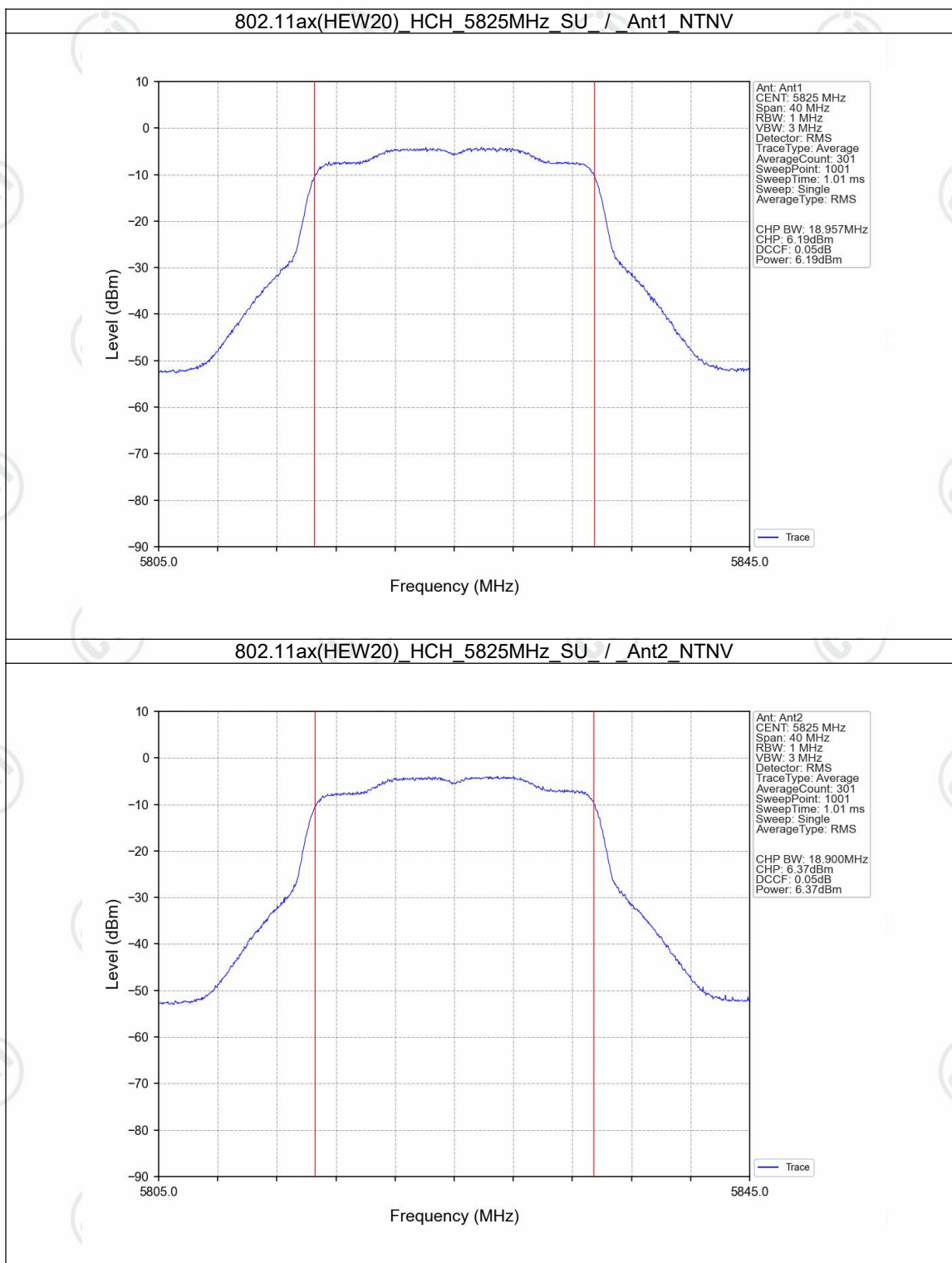


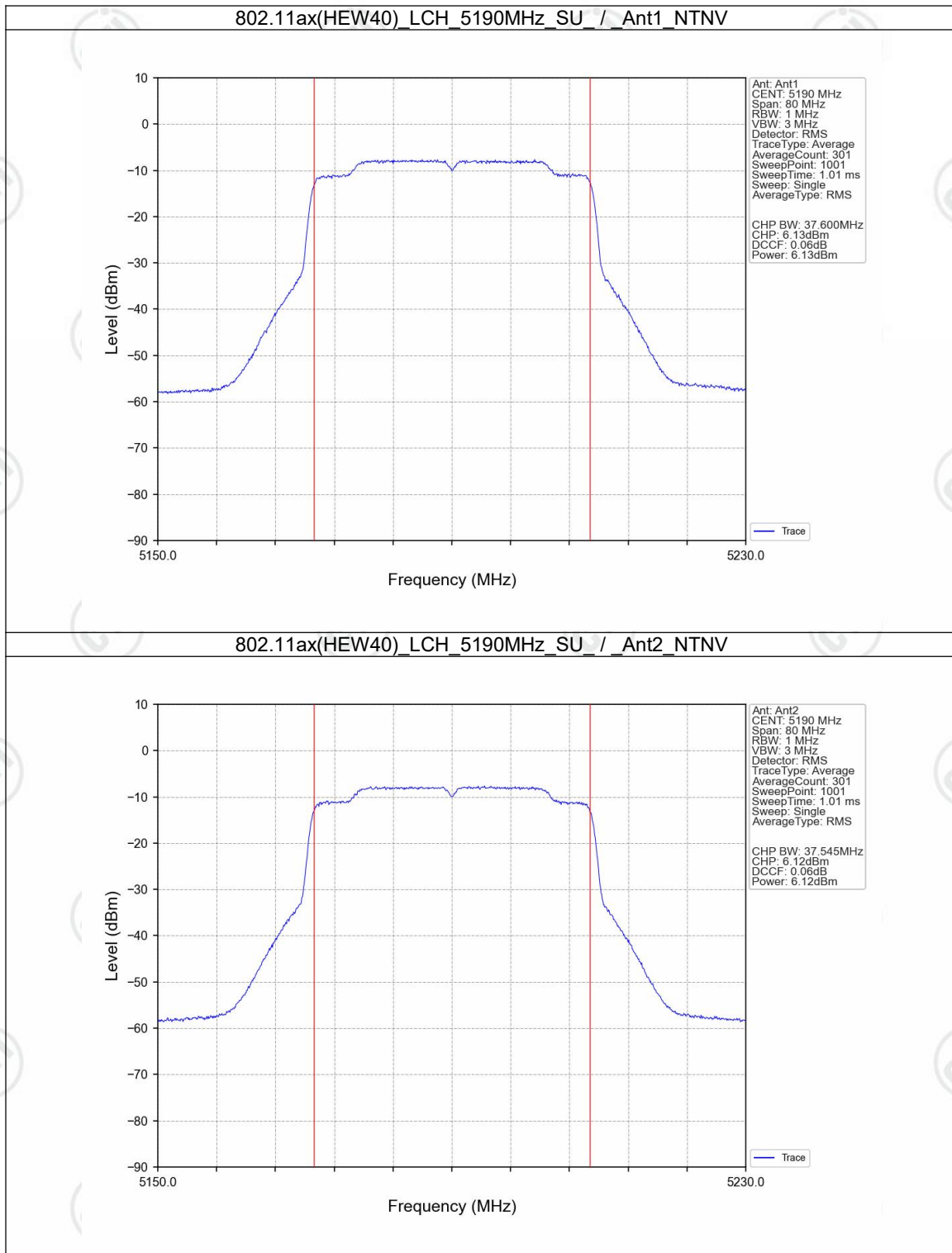


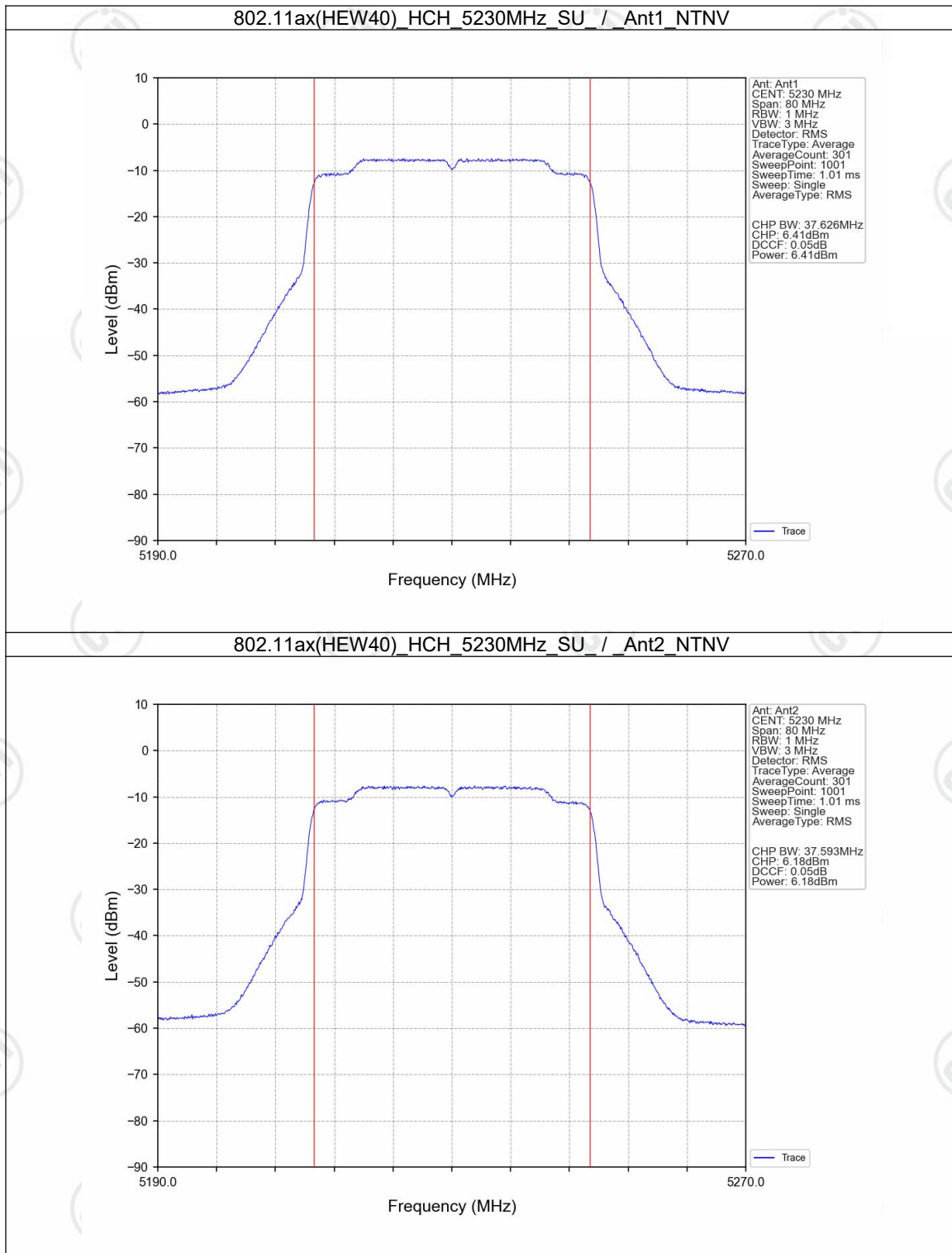


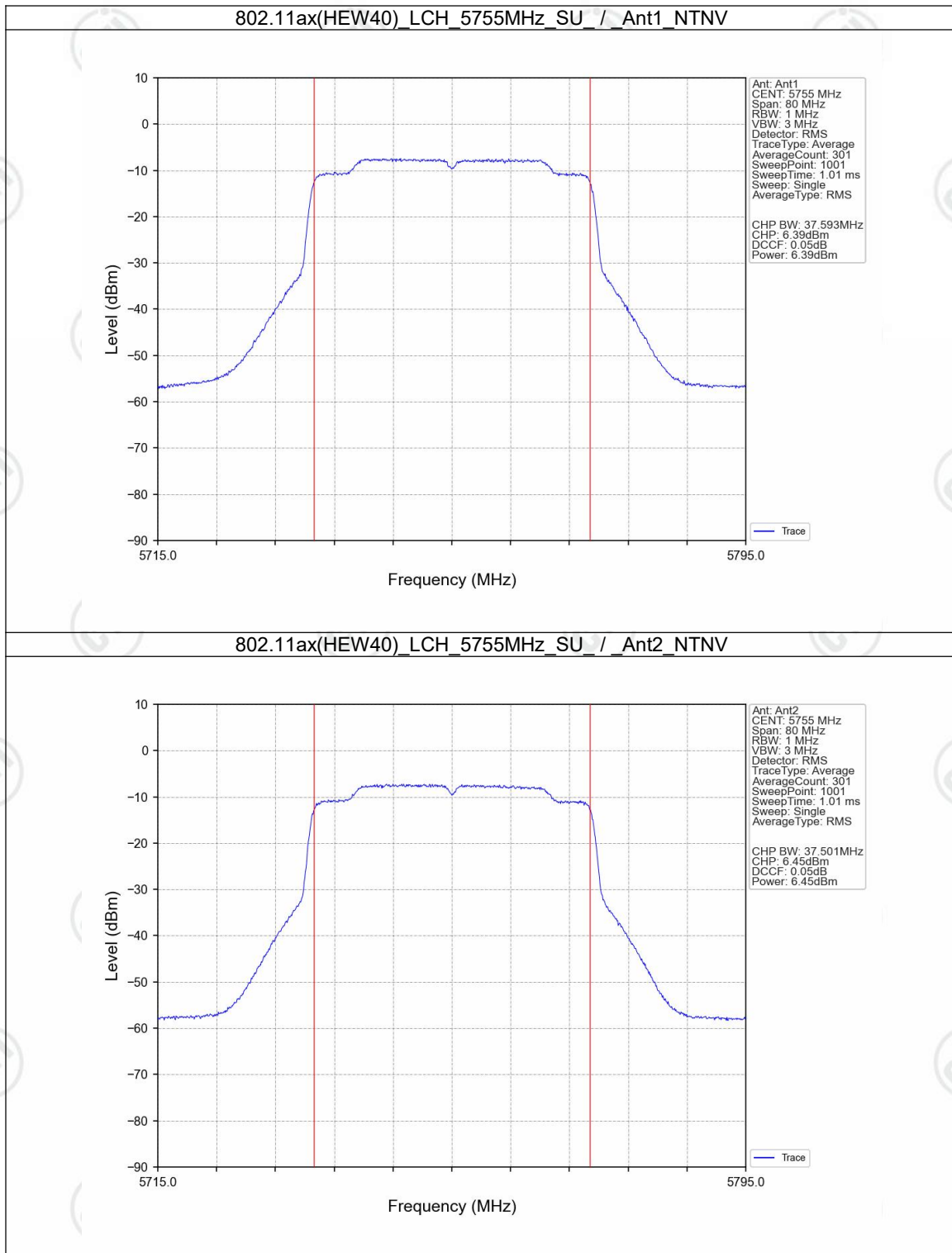


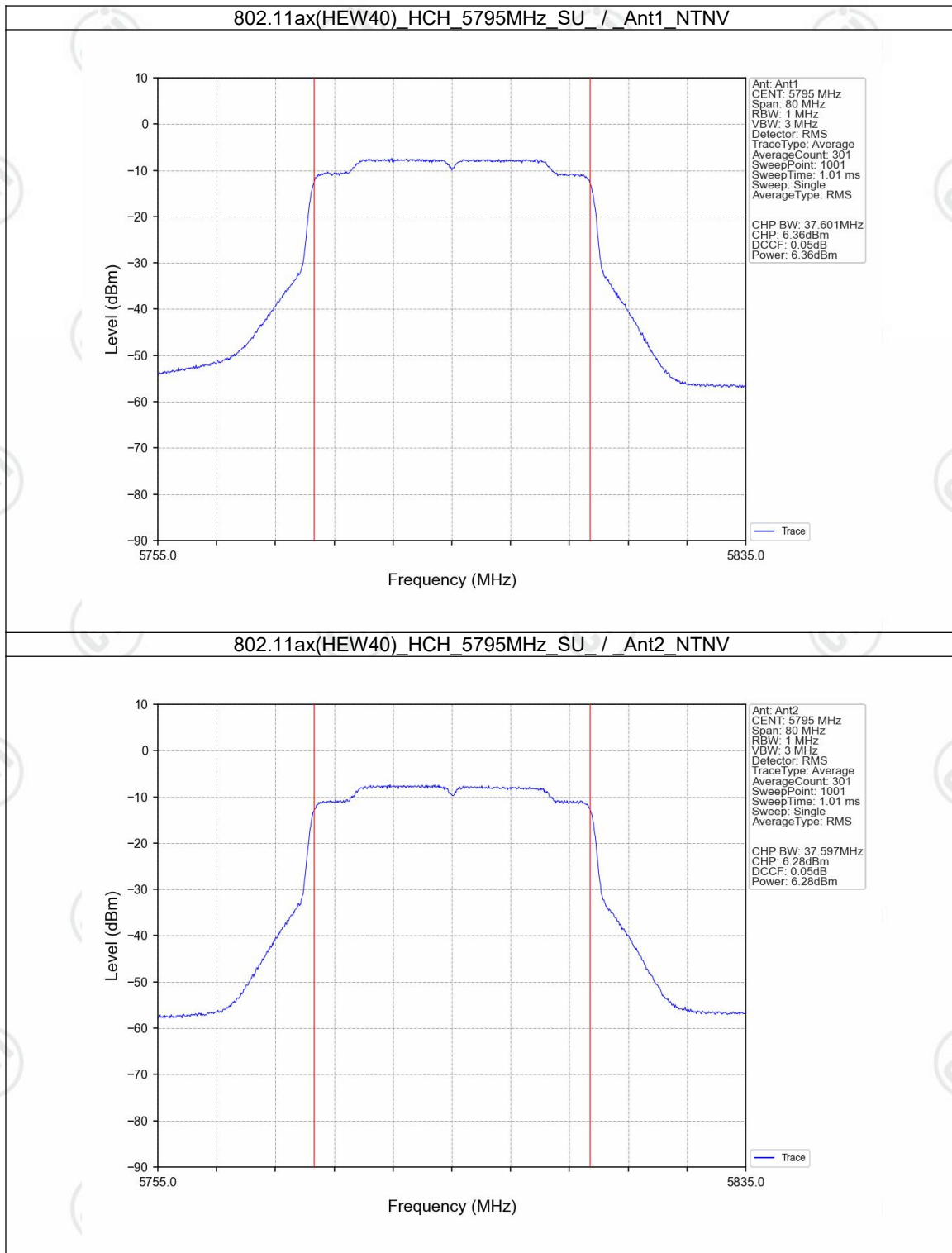


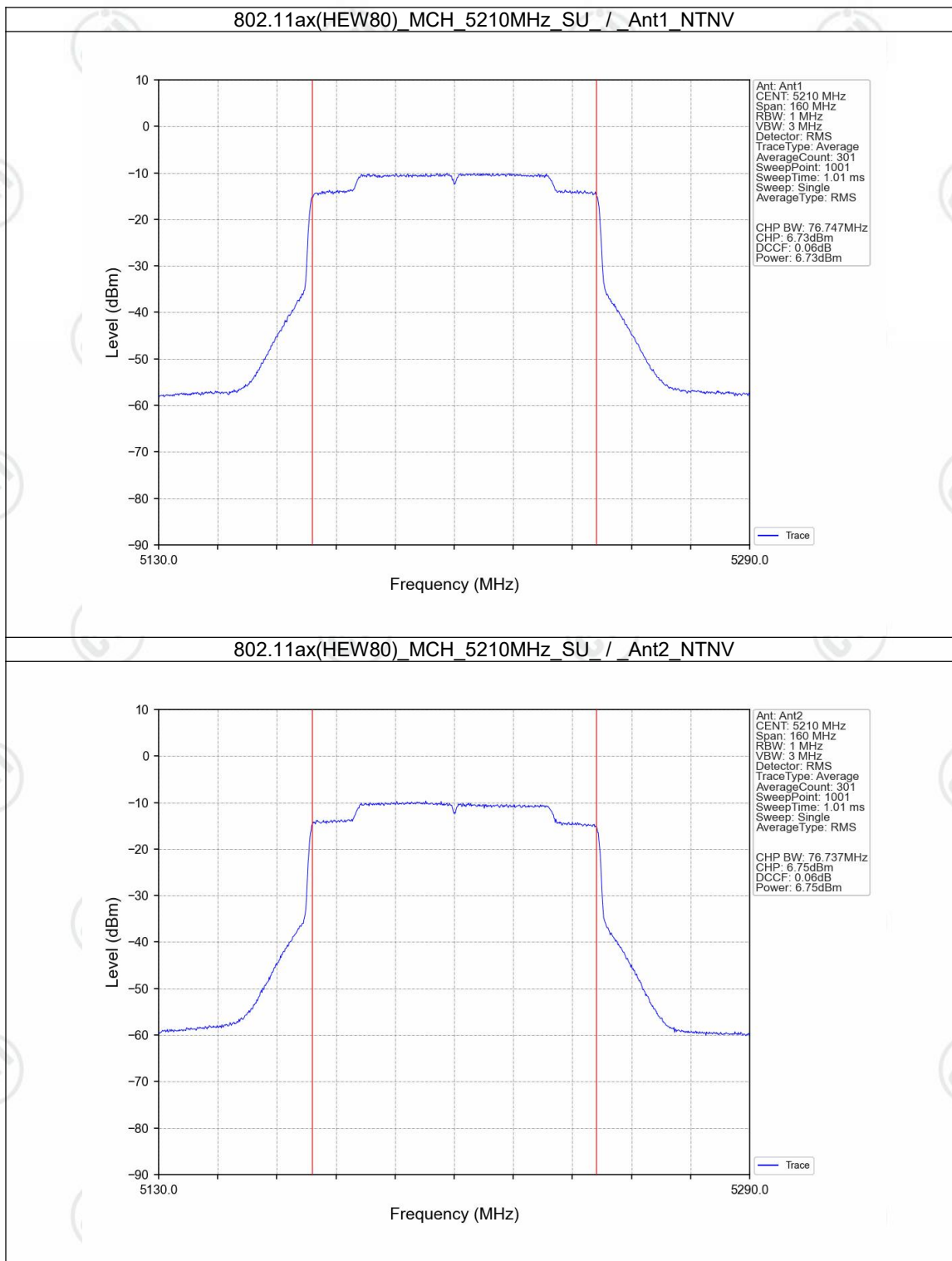


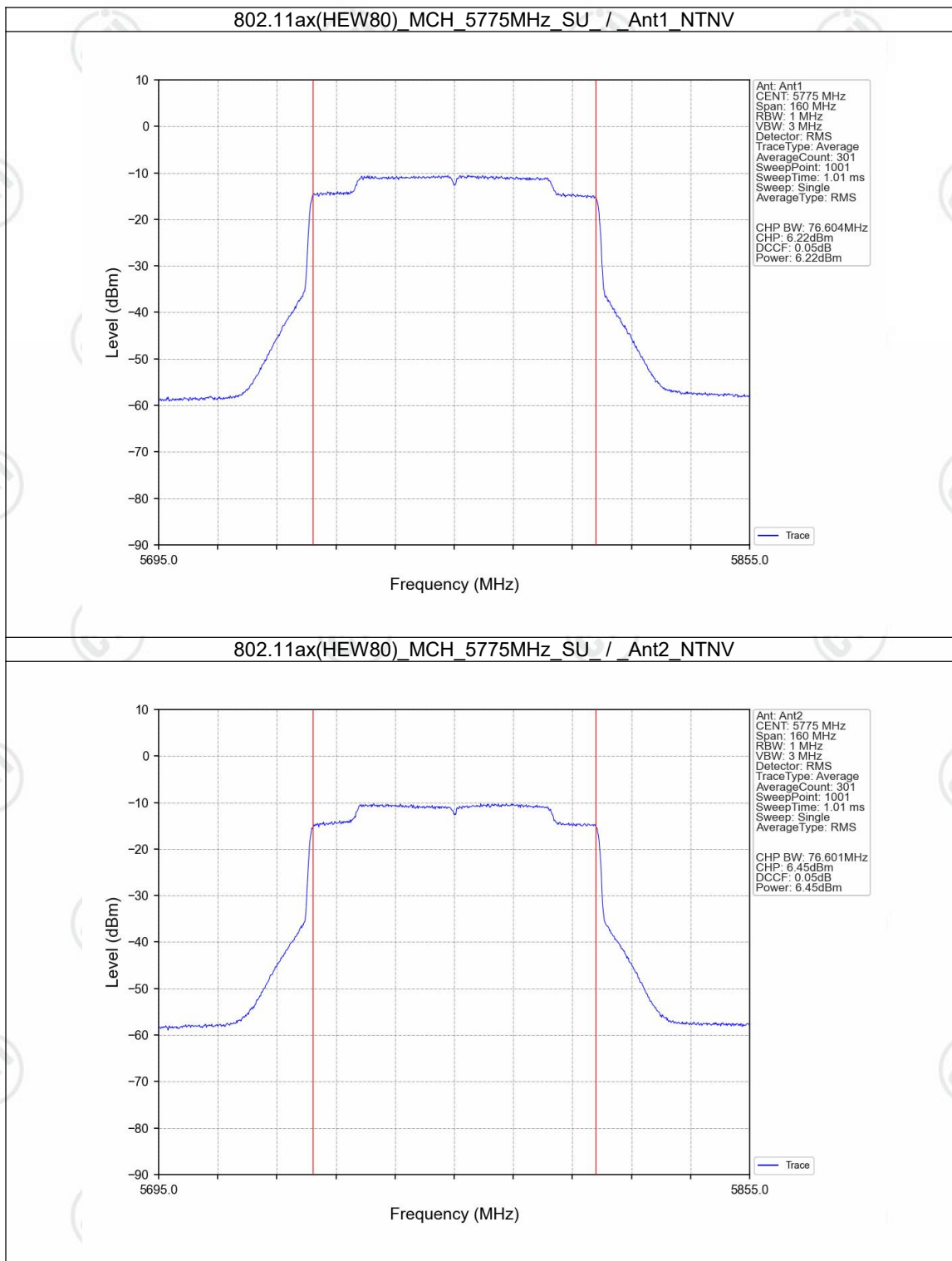












## 4. Maximum Power Spectral Density

### 4.1 Test Result

#### 4.1.1 PSD

| Mode                                                                                                                                 | TX Type | Frequency (MHz) | RU | RU Pos | Maximum PSD (dBm/MHz) |        |       |       | Verdict |
|--------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|----|--------|-----------------------|--------|-------|-------|---------|
|                                                                                                                                      |         |                 |    |        | ANT1                  | ANT2   | MIMO  | Limit |         |
| 802.11a                                                                                                                              | SISO    | 5180            | /  | /      | -0.36                 | -0.92  | /     | <=11  | Pass    |
|                                                                                                                                      |         | 5200            | /  | /      | 0.90                  | 0.48   | /     | <=11  | Pass    |
|                                                                                                                                      |         | 5240            | /  | /      | -0.21                 | -0.42  | /     | <=11  | Pass    |
| 802.11n (HT20)                                                                                                                       | MIMO    | 5180            | /  | /      | -3.55                 | -3.88  | -0.75 | <=11  | Pass    |
|                                                                                                                                      |         | 5200            | /  | /      | -3.54                 | -3.99  | -0.83 | <=11  | Pass    |
|                                                                                                                                      |         | 5240            | /  | /      | -3.30                 | -4.18  | -0.87 | <=11  | Pass    |
| 802.11n (HT40)                                                                                                                       | MIMO    | 5190            | /  | /      | -7.05                 | -7.16  | -4.22 | <=11  | Pass    |
|                                                                                                                                      |         | 5230            | /  | /      | -6.89                 | -7.24  | -4.16 | <=11  | Pass    |
| 802.11ac (VHT20)                                                                                                                     | MIMO    | 5180            | /  | /      | -3.65                 | -3.86  | -0.86 | <=11  | Pass    |
|                                                                                                                                      |         | 5200            | /  | /      | -3.43                 | -3.59  | -0.68 | <=11  | Pass    |
|                                                                                                                                      |         | 5240            | /  | /      | -3.47                 | -3.76  | -0.70 | <=11  | Pass    |
| 802.11ac (VHT40)                                                                                                                     | MIMO    | 5190            | /  | /      | -7.16                 | -7.26  | -4.28 | <=11  | Pass    |
|                                                                                                                                      |         | 5230            | /  | /      | -6.96                 | -7.17  | -4.15 | <=11  | Pass    |
| 802.11ac (VHT80)                                                                                                                     | MIMO    | 5210            | /  | /      | -10.08                | -10.04 | -7.24 | <=11  | Pass    |
| 802.11ax (HEW20)                                                                                                                     | MIMO    | 5180            | SU | /      | -3.69                 | -3.87  | -0.91 | <=11  | Pass    |
|                                                                                                                                      |         | 5200            | SU | /      | -3.59                 | -3.36  | -0.73 | <=11  | Pass    |
|                                                                                                                                      |         | 5240            | SU | /      | -3.47                 | -3.65  | -0.67 | <=11  | Pass    |
| 802.11ax (HEW40)                                                                                                                     | MIMO    | 5190            | SU | /      | -7.68                 | -7.70  | -4.77 | <=11  | Pass    |
|                                                                                                                                      |         | 5230            | SU | /      | -7.40                 | -7.58  | -4.58 | <=11  | Pass    |
| 802.11ax (HEW80)                                                                                                                     | MIMO    | 5210            | SU | /      | -10.02                | -9.80  | -7.00 | <=11  | Pass    |
| Note1: Antenna Gain:<br>- Band: 1 Ant1: 1.03dBi;<br>- Band: 3 Ant1: 1.03dBi;<br>- Band: 1 Ant2: 3.78dBi;<br>- Band: 3 Ant2: 3.78dBi; |         |                 |    |        |                       |        |       |       |         |

#### 4.1.2 PSD-Band3

| Mode           | TX Type | Frequency (MHz) | RU | RU Pos | Maximum PSD (dBm/500kHz) |        |       |       | Verdict |
|----------------|---------|-----------------|----|--------|--------------------------|--------|-------|-------|---------|
|                |         |                 |    |        | ANT1                     | ANT2   | MIMO  | Limit |         |
| 802.11a        | SISO    | 5745            | /  | /      | -1.63                    | -1.55  | /     | <=30  | Pass    |
|                |         | 5785            | /  | /      | -2.24                    | -2.11  | /     | <=30  | Pass    |
|                |         | 5825            | /  | /      | -2.70                    | -2.21  | /     | <=30  | Pass    |
| 802.11n (HT20) | MIMO    | 5745            | /  | /      | -7.02                    | -6.86  | -3.94 | <=30  | Pass    |
|                |         | 5785            | /  | /      | -6.93                    | -7.04  | -4.12 | <=30  | Pass    |
|                |         | 5825            | /  | /      | -7.08                    | -6.69  | -4.00 | <=30  | Pass    |
| 802.11n (HT40) | MIMO    | 5755            | /  | /      | -10.47                   | -10.20 | -7.46 | <=30  | Pass    |
|                |         | 5795            | /  | /      | -10.29                   | -10.39 | -7.52 | <=30  | Pass    |
| 802.11ac       | MIMO    | 5745            | /  | /      | -6.97                    | -6.98  | -4.01 | <=30  | Pass    |

|                                                                                                                                                                                                            |          |      |    |   |        |        |        |      |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|----|---|--------|--------|--------|------|------|
| (VHT20)                                                                                                                                                                                                    | O        | 5785 | /  | / | -7.10  | -7.05  | -4.18  | <=30 | Pass |
|                                                                                                                                                                                                            |          | 5825 | /  | / | -7.08  | -6.90  | -4.13  | <=30 | Pass |
| 802.11ac<br>(VHT40)                                                                                                                                                                                        | MIM      | 5755 | /  | / | -10.49 | -10.16 | -7.48  | <=30 | Pass |
|                                                                                                                                                                                                            | O        | 5795 | /  | / | -10.67 | -10.41 | -7.60  | <=30 | Pass |
| 802.11ac<br>(VHT80)                                                                                                                                                                                        | MIM      | 5775 | /  | / | -13.62 | -13.39 | -10.68 | <=30 | Pass |
|                                                                                                                                                                                                            | O        |      |    |   |        |        |        |      |      |
| 802.11ax<br>(HEW20)                                                                                                                                                                                        | MIM<br>O | 5745 | SU | / | -7.00  | -6.88  | -3.99  | <=30 | Pass |
|                                                                                                                                                                                                            |          | 5785 | SU | / | -6.73  | -7.09  | -4.17  | <=30 | Pass |
|                                                                                                                                                                                                            |          | 5825 | SU | / | -7.06  | -6.70  | -4.13  | <=30 | Pass |
| 802.11ax<br>(HEW40)                                                                                                                                                                                        | MIM      | 5755 | SU | / | -10.37 | -10.19 | -7.33  | <=30 | Pass |
|                                                                                                                                                                                                            | O        | 5795 | SU | / | -10.33 | -10.30 | -7.48  | <=30 | Pass |
| 802.11ax<br>(HEW80)                                                                                                                                                                                        | MIM<br>O | 5775 | SU | / | -13.51 | -13.05 | -10.44 | <=30 | Pass |
| Note1: Antenna Gain:<br>- Band: 1 Ant1: 1.03dBi;<br>- Band: 3 Ant1: 1.03dBi;<br>- Band: 1 Ant2: 3.78dBi;<br>- Band: 3 Ant2: 3.78dBi;<br>Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain) |          |      |    |   |        |        |        |      |      |

## 4.2 Test Graph

### 4.2.1 PSD

