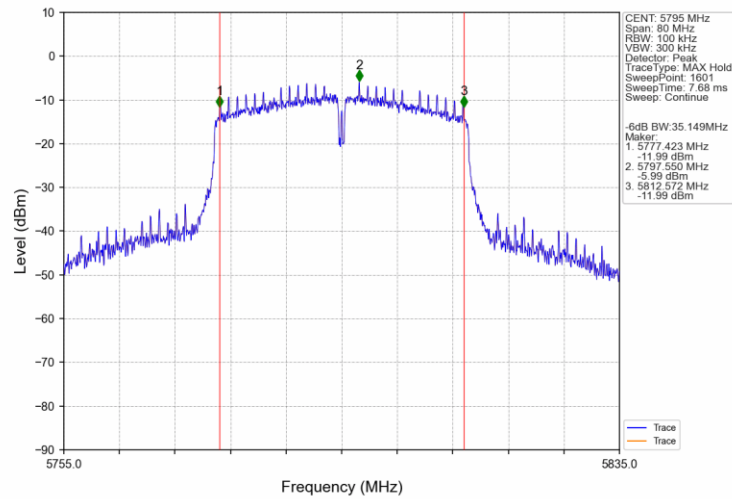
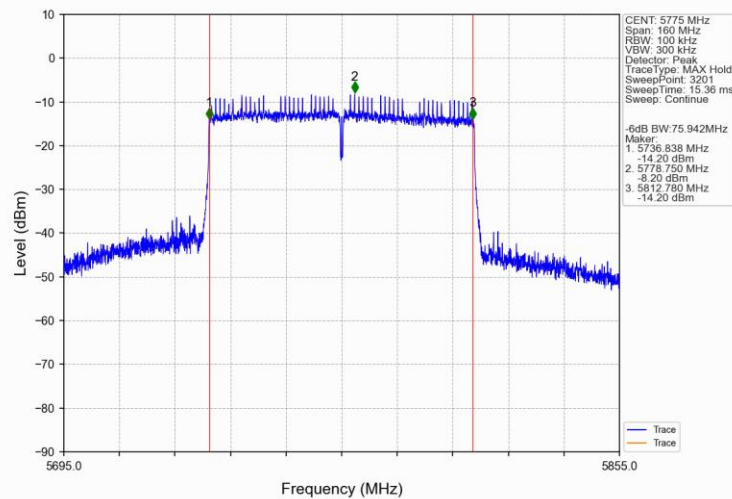


## 802.11ax(HEW40)\_HCH\_5795MHz\_SU\_ / \_Ant1\_NTNV



## 802.11ax(HEW80)\_MCH\_5775MHz\_SU\_ / \_Ant1\_NTNV



### 3. Maximum Conducted Output Power

#### 3.1 Test Result

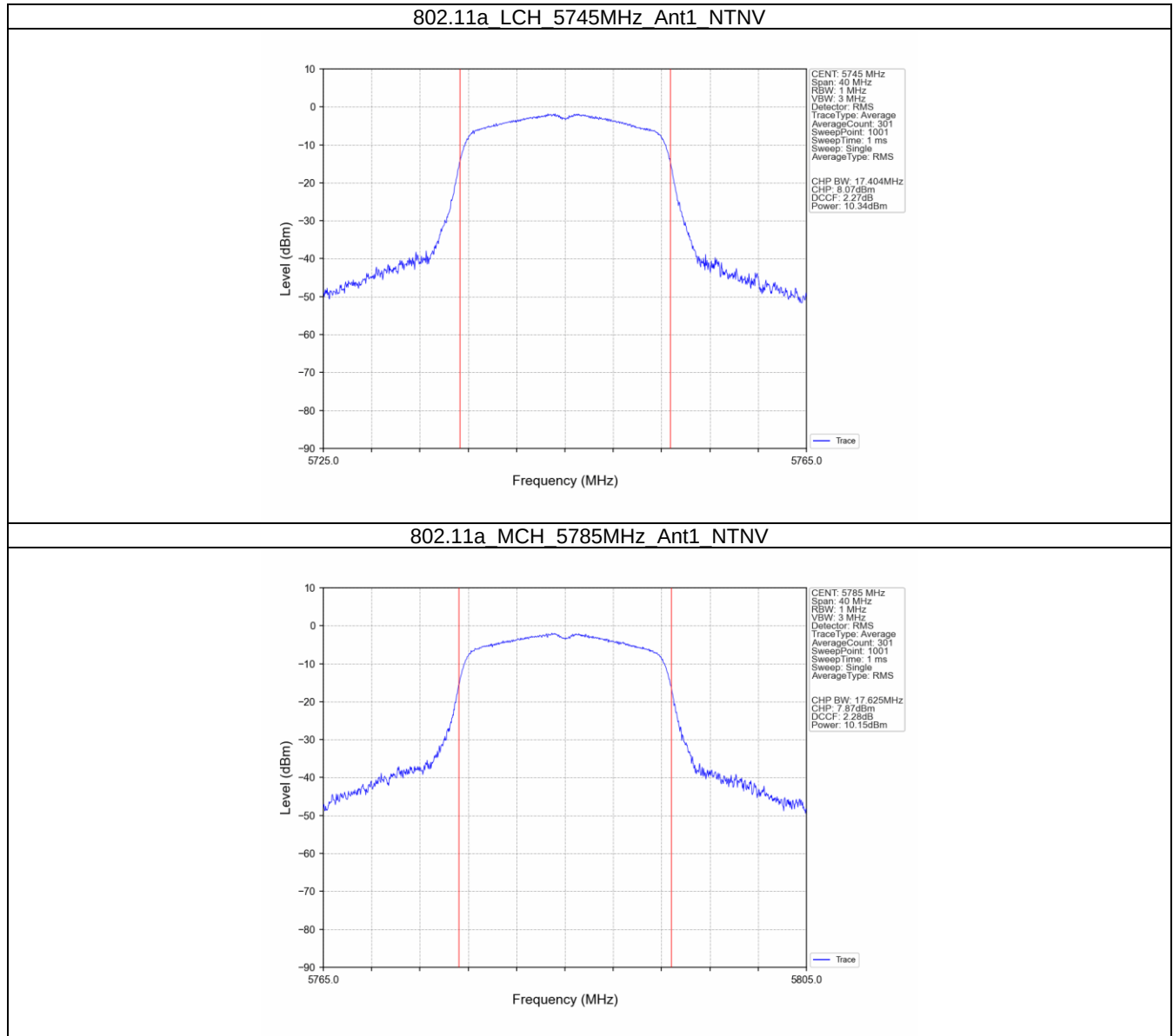
##### 3.1.1 Power

| Mode             | TX Type | Frequency (MHz) | RU | RU Pos | Maximum Average Conducted Output Power (dBm) |       | Verdict |
|------------------|---------|-----------------|----|--------|----------------------------------------------|-------|---------|
|                  |         |                 |    |        | ANT1                                         | Limit |         |
| 802.11a          | SISO    | 5745            | /  | /      | 10.34                                        | <=30  | Pass    |
|                  |         | 5785            | /  | /      | 10.15                                        | <=30  | Pass    |
|                  |         | 5825            | /  | /      | 9.00                                         | <=30  | Pass    |
| 802.11n (HT20)   | SISO    | 5745            | /  | /      | 10.18                                        | <=30  | Pass    |
|                  |         | 5785            | /  | /      | 9.99                                         | <=30  | Pass    |
|                  |         | 5825            | /  | /      | 9.00                                         | <=30  | Pass    |
| 802.11n (HT40)   | SISO    | 5755            | /  | /      | 10.27                                        | <=30  | Pass    |
|                  |         | 5795            | /  | /      | 9.91                                         | <=30  | Pass    |
| 802.11ac (VHT20) | SISO    | 5745            | /  | /      | 10.18                                        | <=30  | Pass    |
|                  |         | 5785            | /  | /      | 10.41                                        | <=30  | Pass    |
|                  |         | 5825            | /  | /      | 9.28                                         | <=30  | Pass    |
| 802.11ac (VHT40) | SISO    | 5755            | /  | /      | 10.23                                        | <=30  | Pass    |
|                  |         | 5795            | /  | /      | 9.50                                         | <=30  | Pass    |
| 802.11ac (VHT80) | SISO    | 5775            | /  | /      | 9.95                                         | <=30  | Pass    |
| 802.11ax (HEW20) | SISO    | 5745            | SU | /      | 6.76                                         | <=30  | Pass    |
|                  |         | 5785            | SU | /      | 9.44                                         | <=30  | Pass    |
|                  |         | 5825            | SU | /      | 6.31                                         | <=30  | Pass    |
| 802.11ax (HEW40) | SISO    | 5755            | SU | /      | 7.06                                         | <=30  | Pass    |
|                  |         | 5795            | SU | /      | 6.89                                         | <=30  | Pass    |
| 802.11ax (HEW80) | SISO    | 5775            | SU | /      | 8.47                                         | <=30  | Pass    |

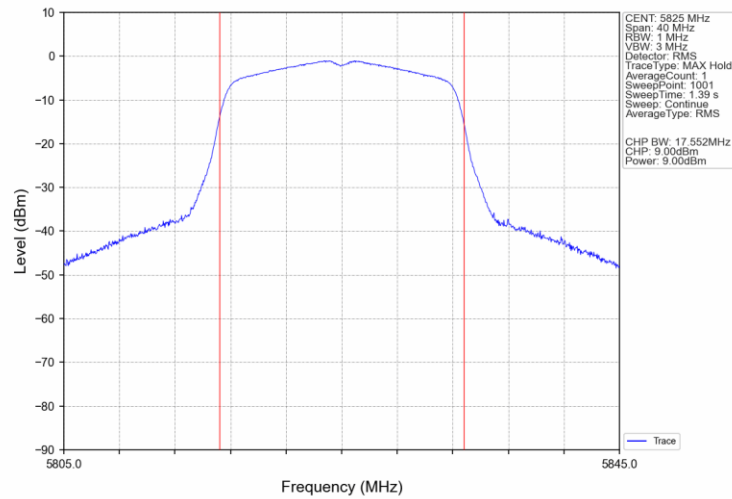
Note1: Antenna Gain: Ant1: 3.86dBi;

## 3.2 Test Graph

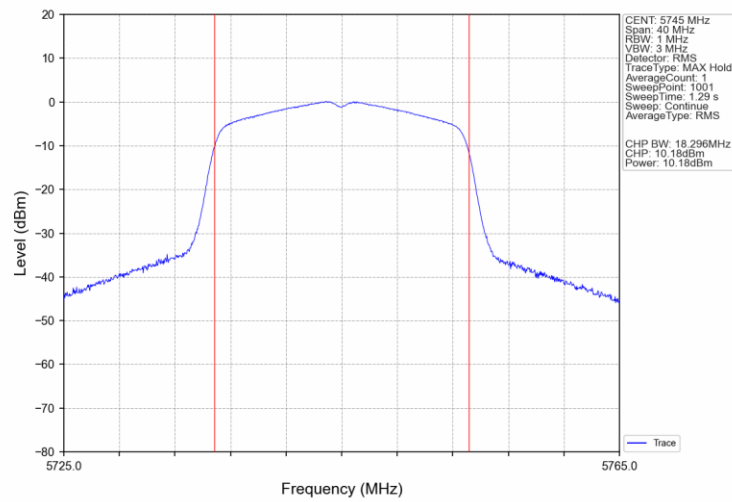
### 3.2.1 Power



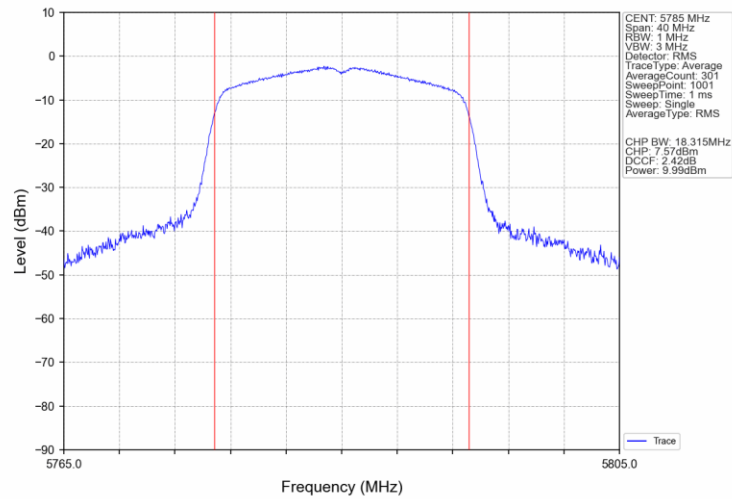
## 802.11a\_HCH\_5825MHz\_Ant1\_NTNV



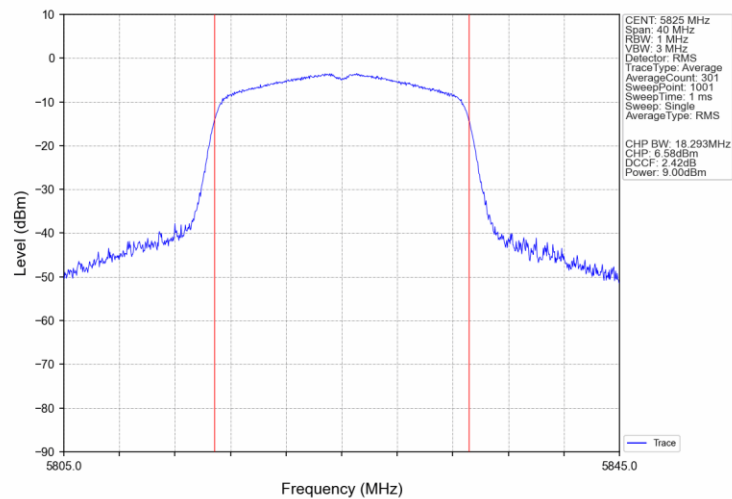
## 802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



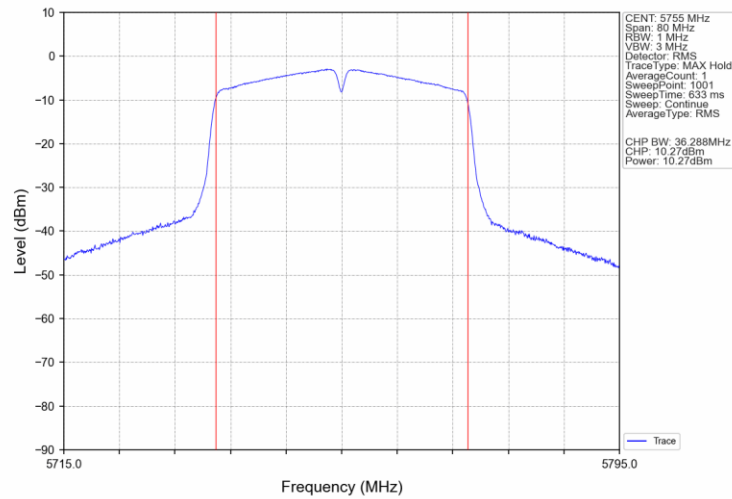
## 802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



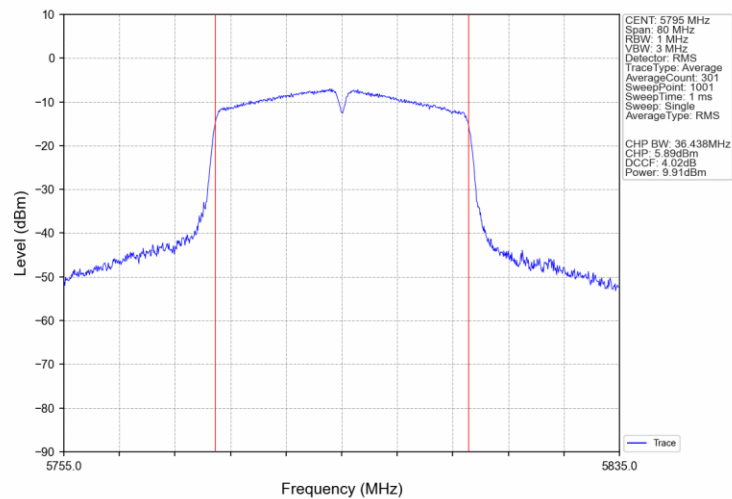
## 802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



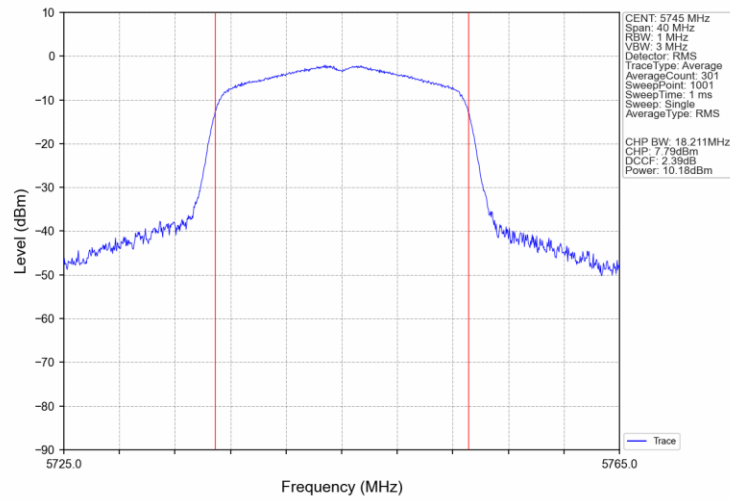
## 802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



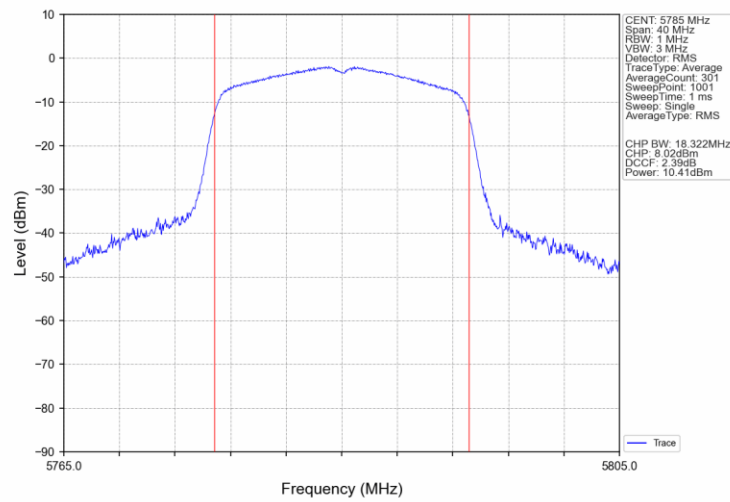
## 802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



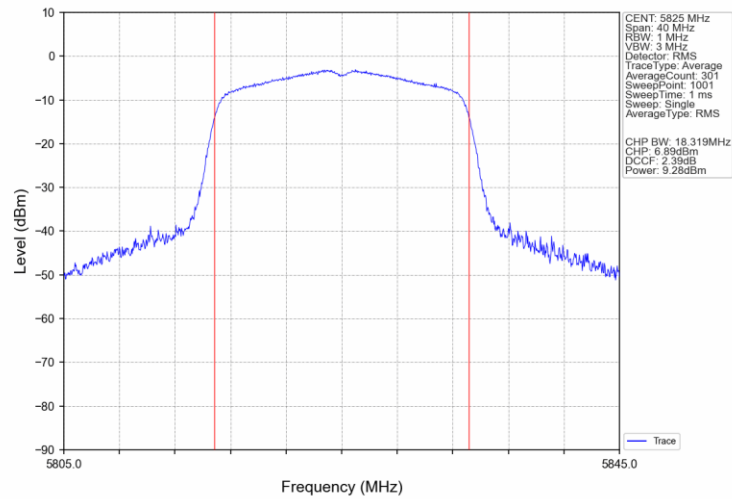
## 802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



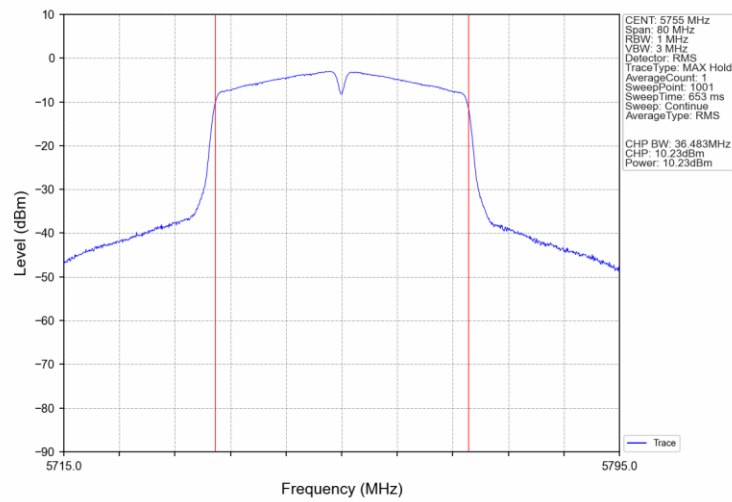
## 802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



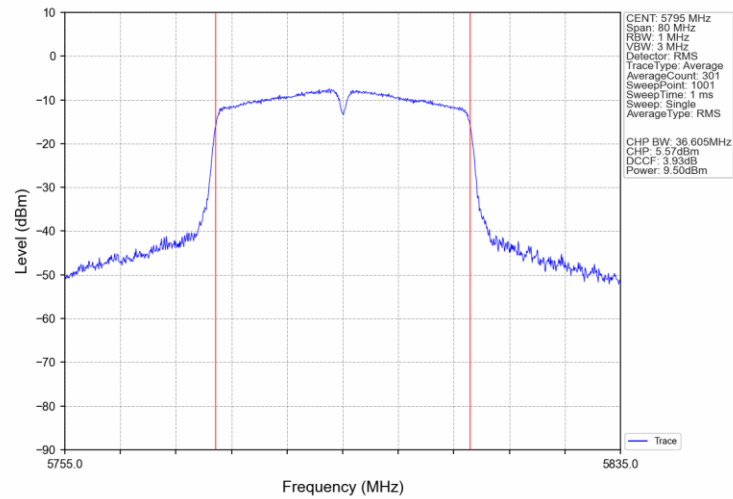
## 802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



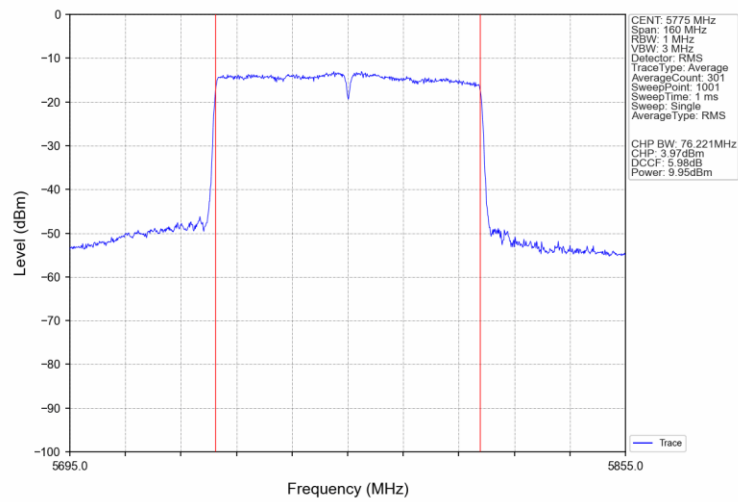
## 802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



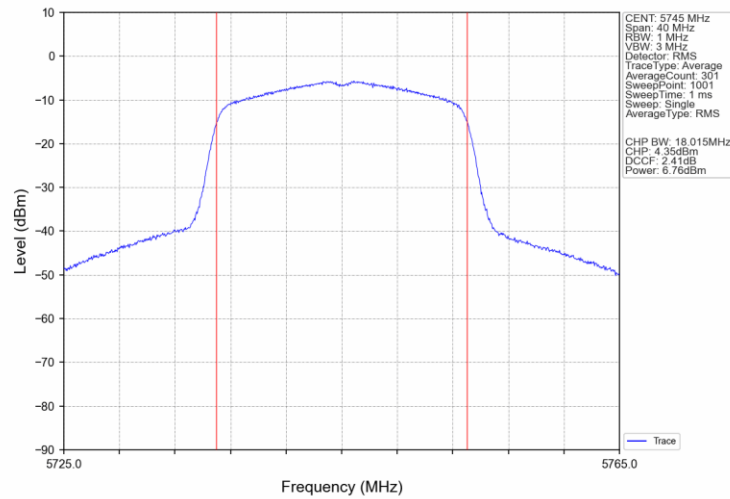
## 802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



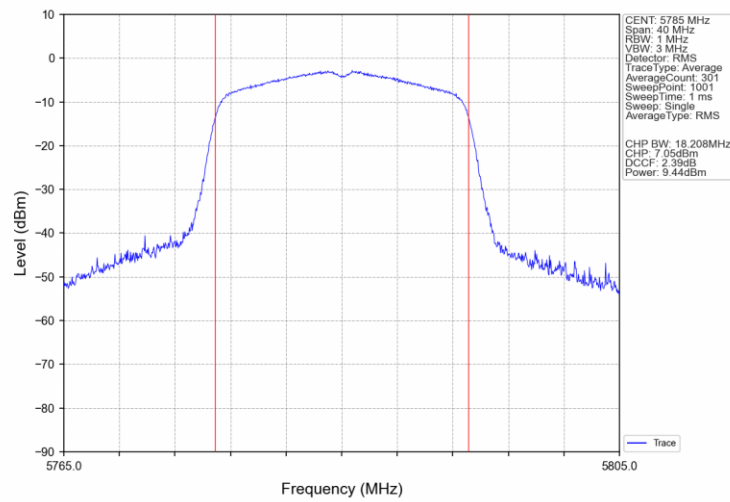
## 802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



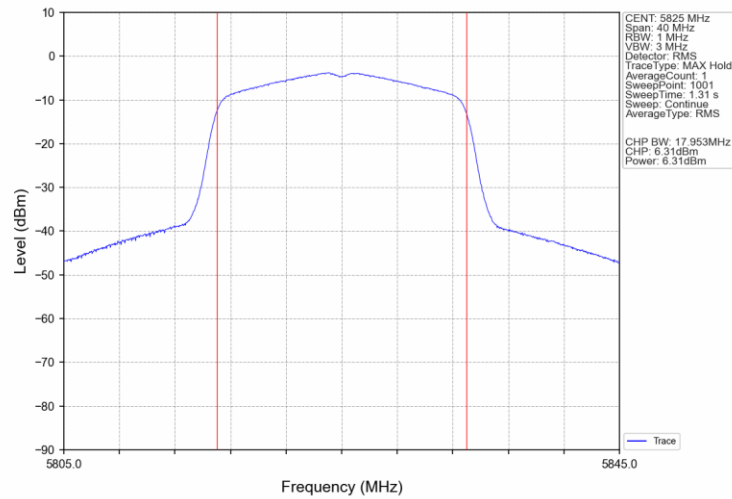
## 802.11ax(HEW20)\_LCH\_5745MHz\_SU\_/\_Ant1\_NTNV



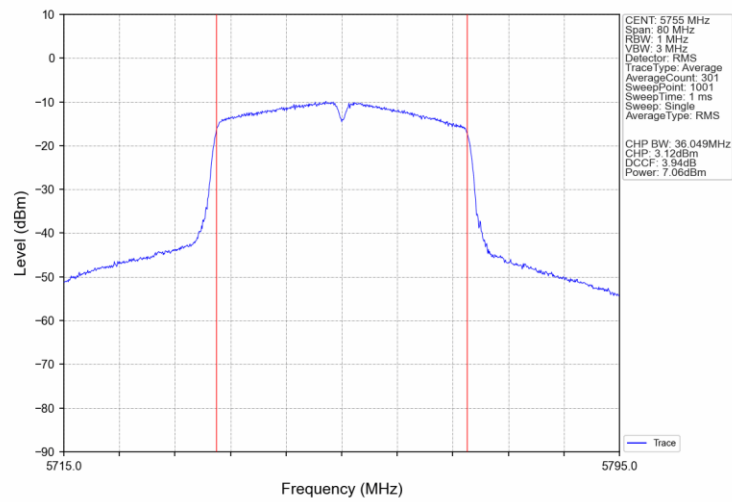
## 802.11ax(HEW20)\_MCH\_5785MHz\_SU\_/\_Ant1\_NTNV



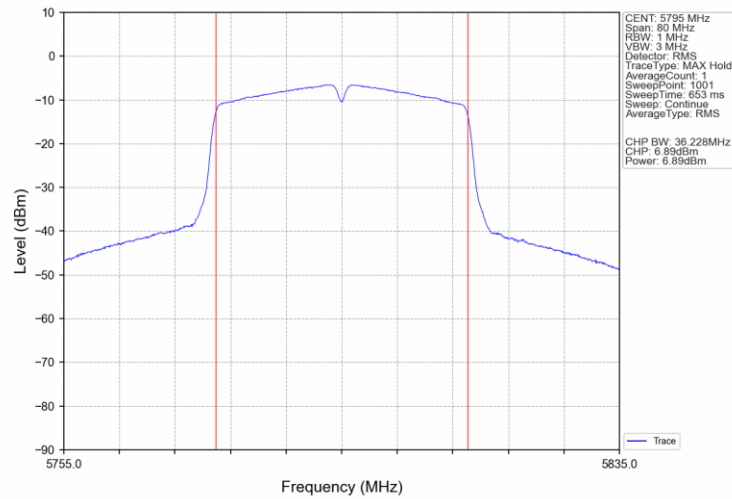
## 802.11ax(HEW20)\_HCH\_5825MHz\_SU\_ / \_Ant1\_NTNV



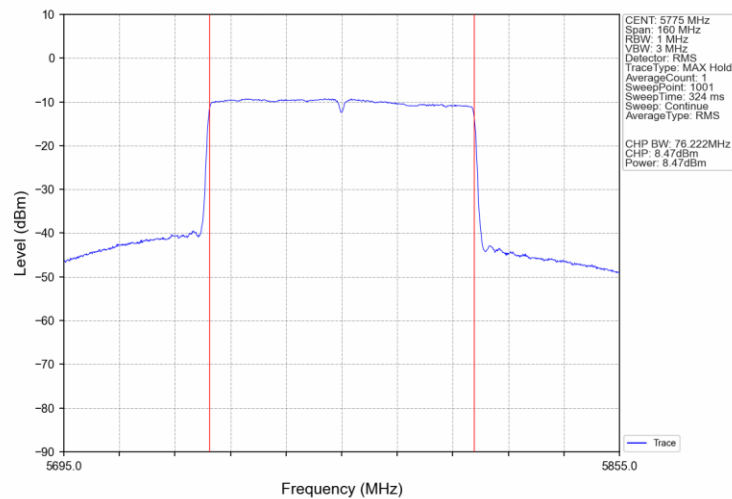
## 802.11ax(HEW40)\_LCH\_5755MHz\_SU\_ / \_Ant1\_NTNV



## 802.11ax(HEW40)\_HCH\_5795MHz\_SU\_ / \_Ant1\_NTNV



## 802.11ax(HEW80)\_MCH\_5775MHz\_SU\_ / \_Ant1\_NTNV



## 4. Maximum Power Spectral Density

### 4.1 Test Result

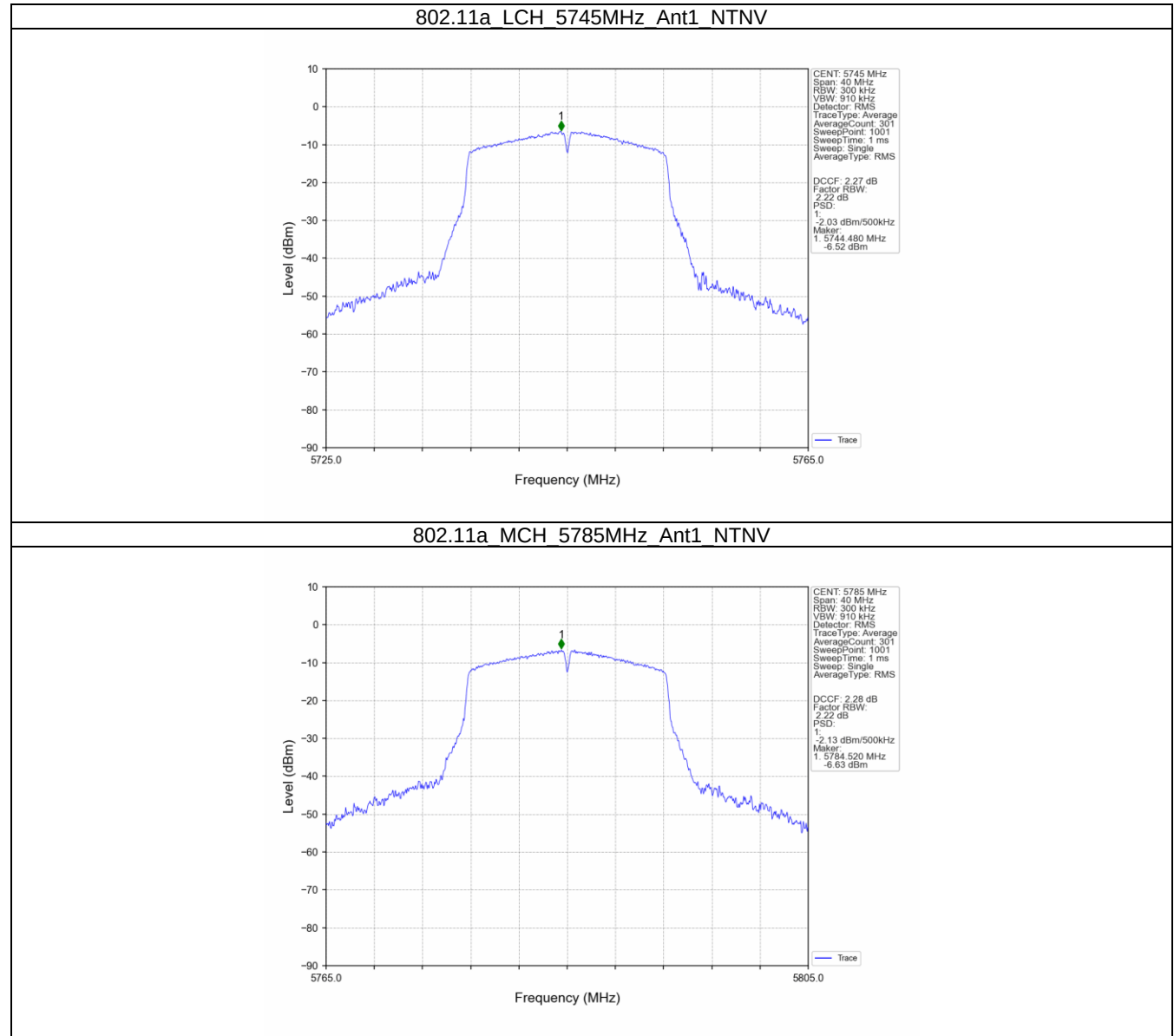
#### 4.1.1 PSD-Band3

| Mode             | TX Type | Frequency (MHz) | RU | RU Pos | Maximum PSD (dBm/500kHz) |       | Verdict |
|------------------|---------|-----------------|----|--------|--------------------------|-------|---------|
|                  |         |                 |    |        | ANT1                     | Limit |         |
| 802.11a          | SISO    | 5745            | /  | /      | -2.03                    | <=30  | Pass    |
|                  |         | 5785            | /  | /      | -2.13                    | <=30  | Pass    |
|                  |         | 5825            | /  | /      | -3.60                    | <=30  | Pass    |
| 802.11n (HT20)   | SISO    | 5745            | /  | /      | -2.53                    | <=30  | Pass    |
|                  |         | 5785            | /  | /      | -2.16                    | <=30  | Pass    |
|                  |         | 5825            | /  | /      | -3.42                    | <=30  | Pass    |
| 802.11n (HT40)   | SISO    | 5755            | /  | /      | -5.79                    | <=30  | Pass    |
|                  |         | 5795            | /  | /      | -5.90                    | <=30  | Pass    |
| 802.11ac (VHT20) | SISO    | 5745            | /  | /      | -2.77                    | <=30  | Pass    |
|                  |         | 5785            | /  | /      | -2.33                    | <=30  | Pass    |
|                  |         | 5825            | /  | /      | -3.62                    | <=30  | Pass    |
| 802.11ac (VHT40) | SISO    | 5755            | /  | /      | -5.73                    | <=30  | Pass    |
|                  |         | 5795            | /  | /      | -5.46                    | <=30  | Pass    |
| 802.11ac (VHT80) | SISO    | 5775            | /  | /      | -9.40                    | <=30  | Pass    |
| 802.11ax (HEW20) | SISO    | 5745            | SU | /      | -5.75                    | <=30  | Pass    |
|                  |         | 5785            | SU | /      | -3.49                    | <=30  | Pass    |
|                  |         | 5825            | SU | /      | -6.40                    | <=30  | Pass    |
| 802.11ax (HEW40) | SISO    | 5755            | SU | /      | -8.46                    | <=30  | Pass    |
|                  |         | 5795            | SU | /      | -9.30                    | <=30  | Pass    |
| 802.11ax (HEW80) | SISO    | 5775            | SU | /      | -11.74                   | <=30  | Pass    |

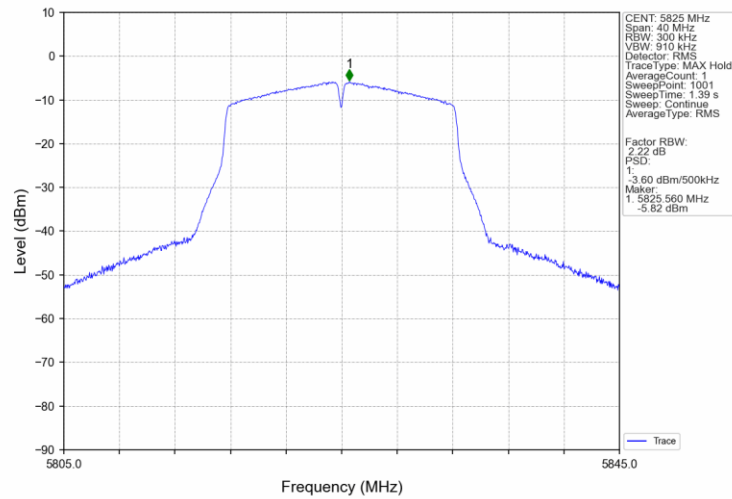
Note1: Antenna Gain: Ant1: 3.86dBi;

## 4.2 Test Graph

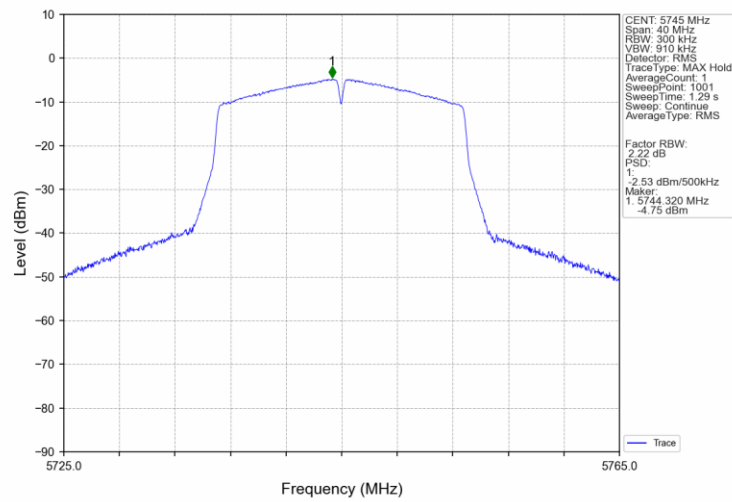
### 4.2.1 PSD-Band3



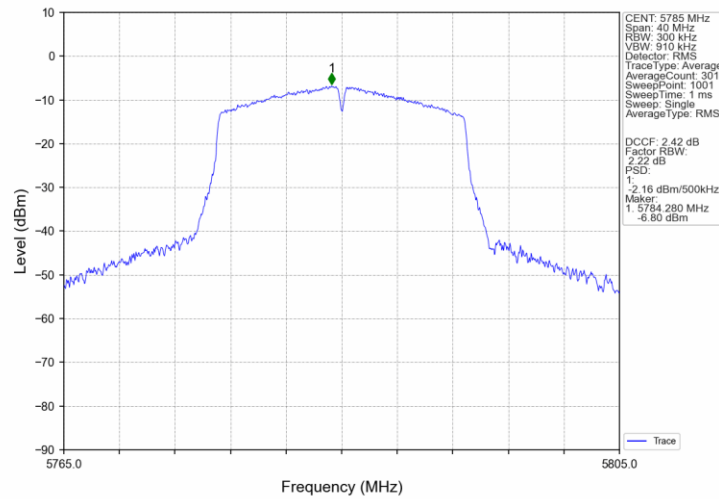
## 802.11a\_HCH\_5825MHz\_Ant1\_NTNV



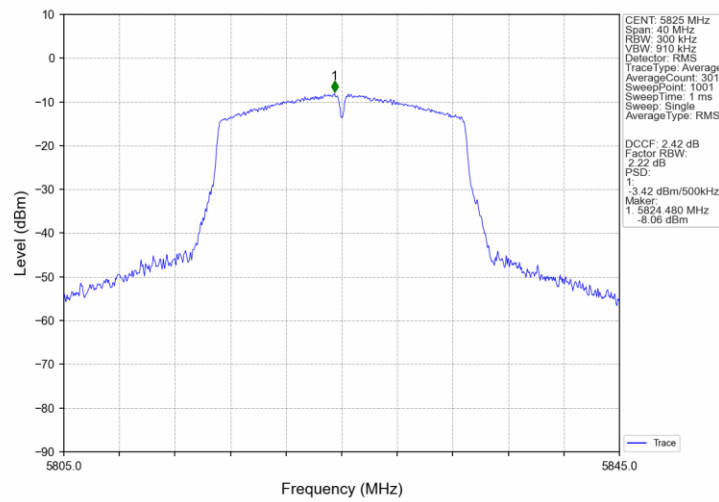
## 802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



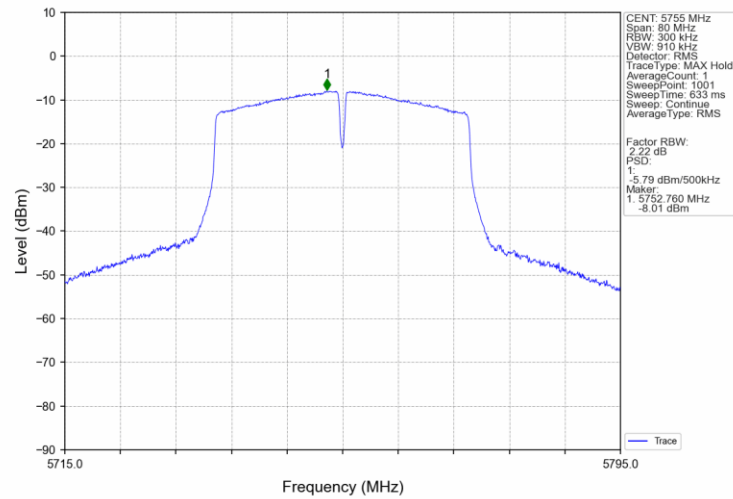
## 802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



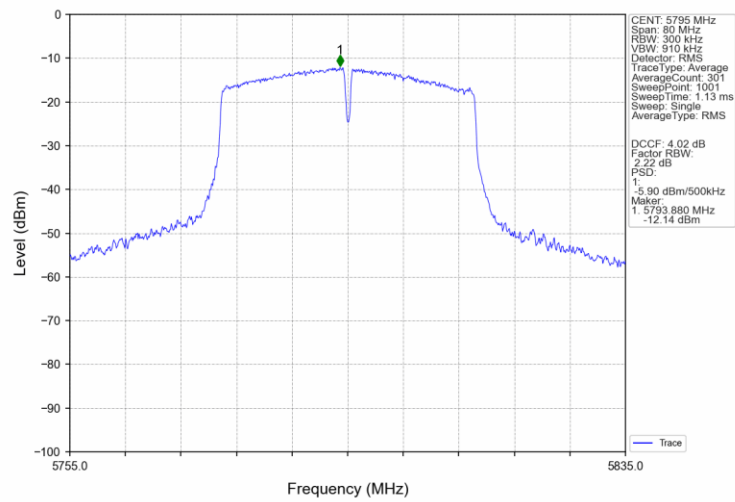
## 802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



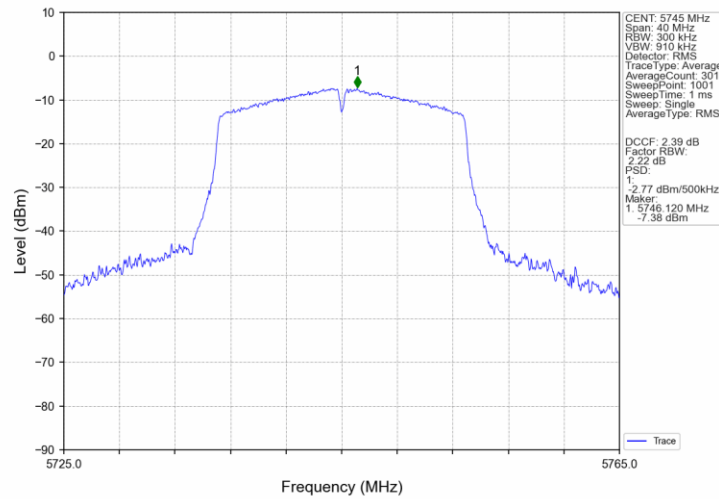
## 802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



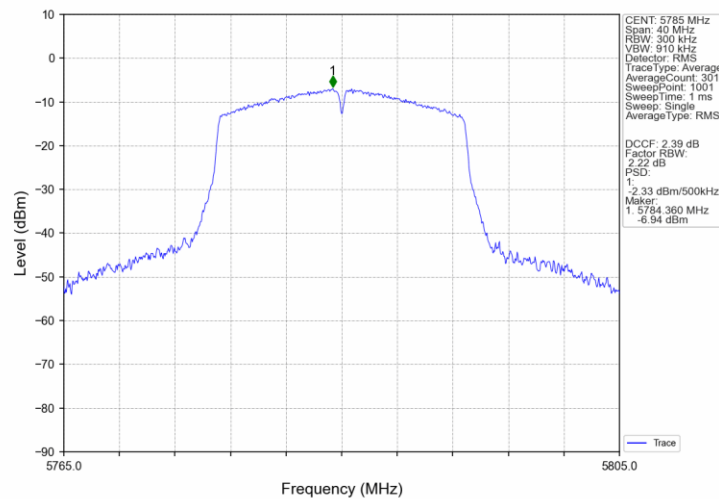
## 802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



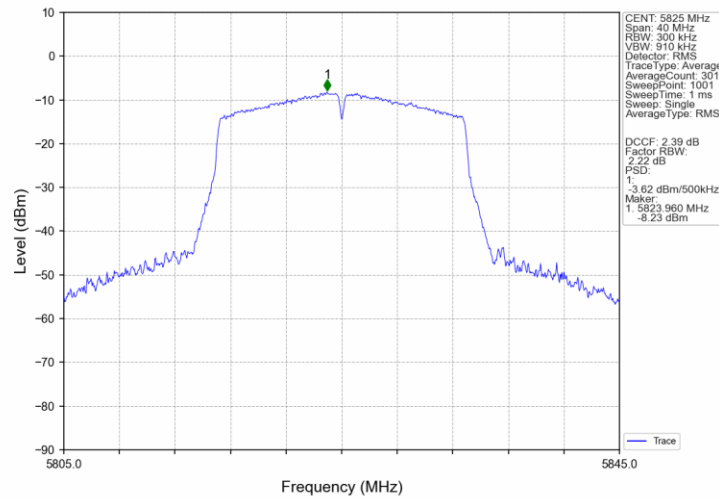
## 802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



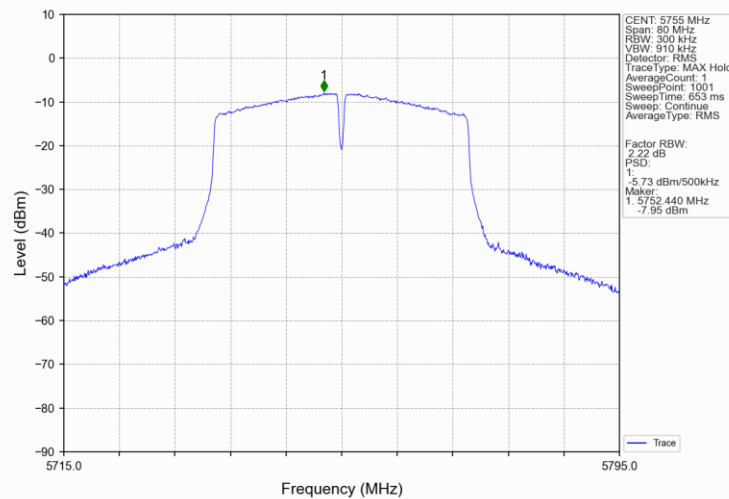
## 802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



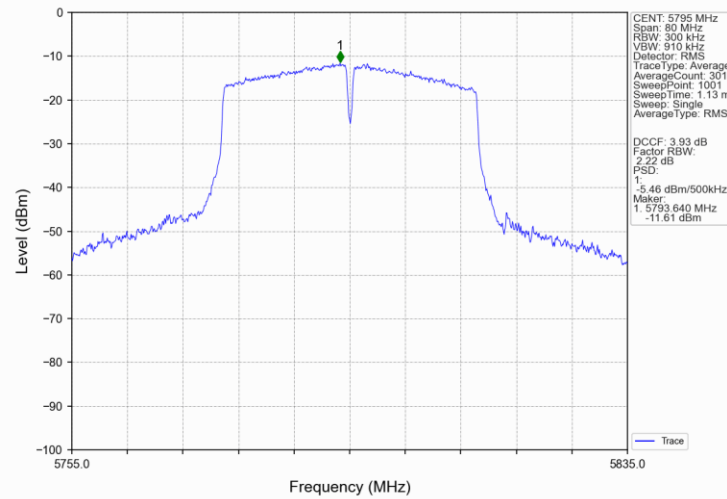
## 802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



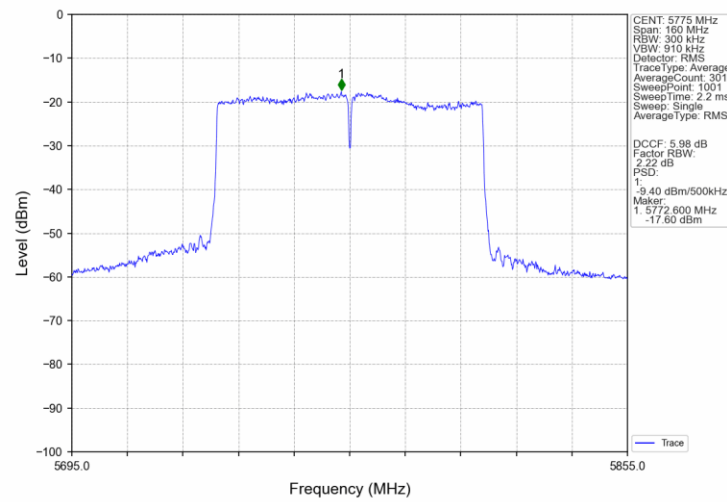
## 802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



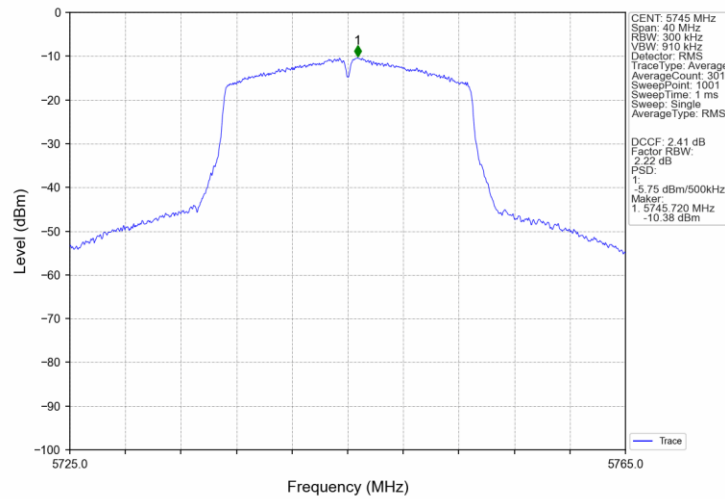
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



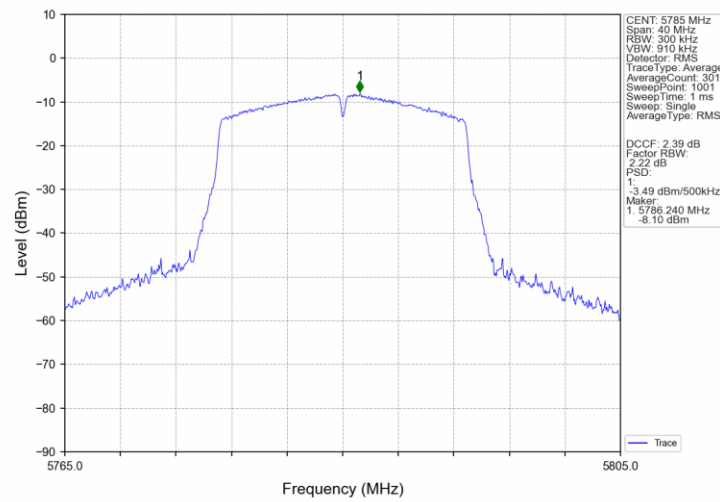
802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



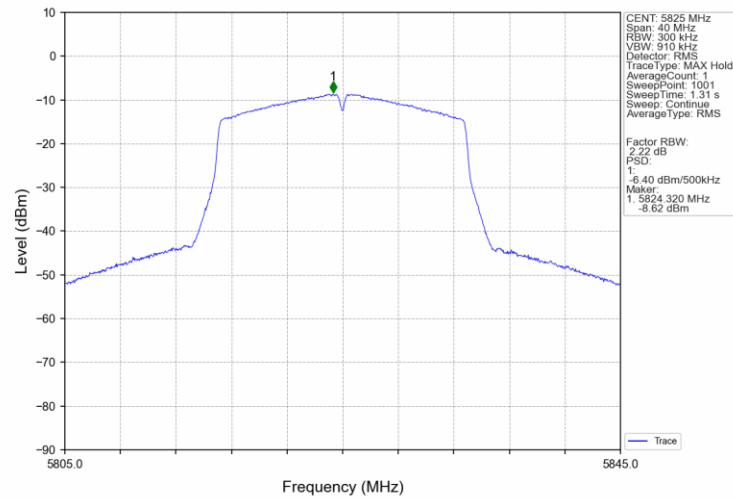
## 802.11ax(HEW20)\_LCH\_5745MHz\_SU\_/\_Ant1\_NTNV



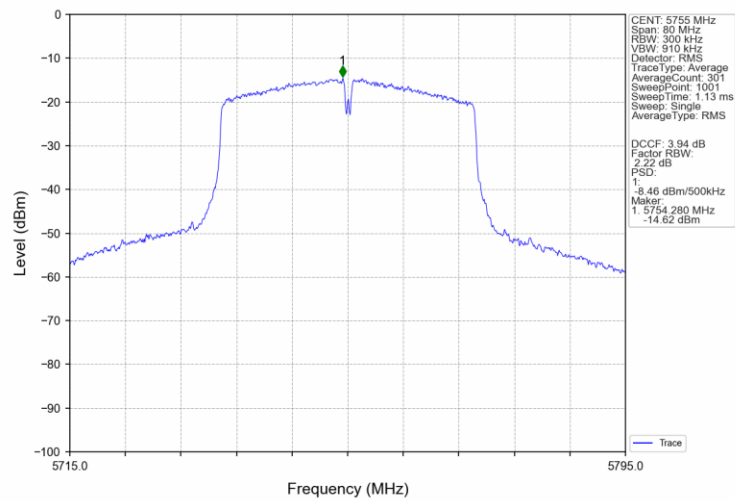
## 802.11ax(HEW20)\_MCH\_5785MHz\_SU\_/\_Ant1\_NTNV



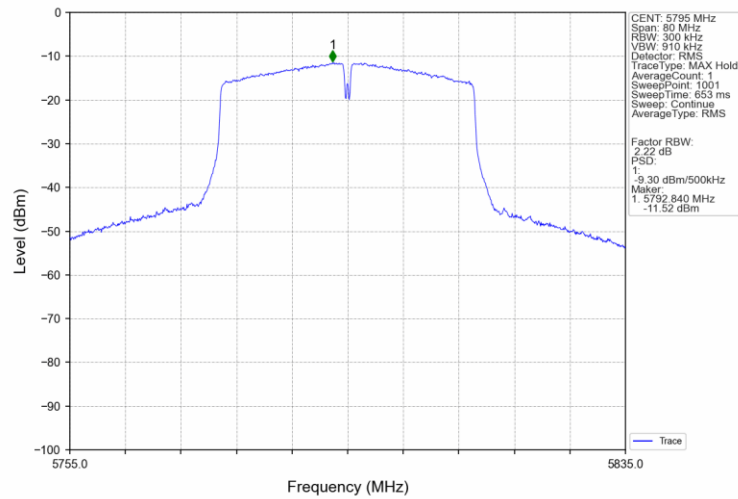
## 802.11ax(HEW20)\_HCH\_5825MHz\_SU\_ / \_Ant1\_NTNV



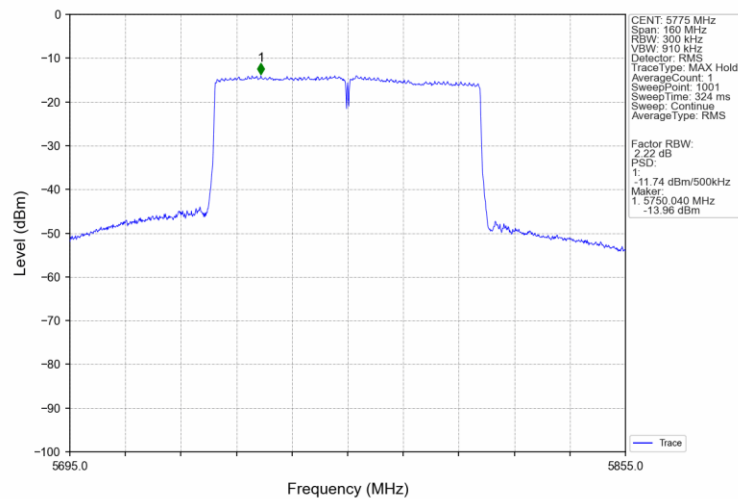
## 802.11ax(HEW40)\_LCH\_5755MHz\_SU\_ / \_Ant1\_NTNV



## 802.11ax(HEW40)\_HCH\_5795MHz\_SU\_ / \_Ant1\_NTNV



## 802.11ax(HEW80)\_MCH\_5775MHz\_SU\_ / \_Ant1\_NTNV



## 5. Frequency Stability

### 5.1 Test Result

#### 5.1.1 Ant1

| Ant1         |         |                 |                  |               |                          |              |         |
|--------------|---------|-----------------|------------------|---------------|--------------------------|--------------|---------|
| Mode         | TX Type | Frequency (MHz) | Temperature (°C) | Voltage (VAC) | Measured Frequency (MHz) | Limit (MHz)  | Verdict |
| Carrier Wave | SISO    | 5745            | 20               | 102           | 5744.964                 | 5725 to 5850 | Pass    |
|              |         |                 |                  | 120           | 5744.969                 | 5725 to 5850 | Pass    |
|              |         |                 |                  | 138           | 5744.973                 | 5725 to 5850 | Pass    |
|              |         |                 | -30              | 120           | 5744.975                 | 5725 to 5850 | Pass    |
|              |         |                 | -20              | 120           | 5744.978                 | 5725 to 5850 | Pass    |
|              |         |                 | -10              | 120           | 5744.979                 | 5725 to 5850 | Pass    |
|              |         |                 | 0                | 120           | 5744.979                 | 5725 to 5850 | Pass    |
|              |         |                 | 10               | 120           | 5744.981                 | 5725 to 5850 | Pass    |
|              |         |                 | 30               | 120           | 5744.982                 | 5725 to 5850 | Pass    |
|              |         |                 | 40               | 120           | 5744.983                 | 5725 to 5850 | Pass    |
|              |         |                 | 50               | 120           | 5744.985                 | 5725 to 5850 | Pass    |
|              |         | 5785            | 20               | 102           | 5784.963                 | 5725 to 5850 | Pass    |
|              |         |                 |                  | 120           | 5784.962                 | 5725 to 5850 | Pass    |
|              |         |                 |                  | 138           | 5784.962                 | 5725 to 5850 | Pass    |
|              |         |                 | -30              | 120           | 5784.962                 | 5725 to 5850 | Pass    |
|              |         |                 | -20              | 120           | 5784.962                 | 5725 to 5850 | Pass    |
|              |         |                 | -10              | 120           | 5784.962                 | 5725 to 5850 | Pass    |
|              |         |                 | 0                | 120           | 5784.962                 | 5725 to 5850 | Pass    |
|              |         |                 | 10               | 120           | 5784.962                 | 5725 to 5850 | Pass    |
|              |         |                 | 30               | 120           | 5784.962                 | 5725 to 5850 | Pass    |
|              |         |                 | 40               | 120           | 5784.962                 | 5725 to 5850 | Pass    |
|              |         |                 | 50               | 120           | 5784.962                 | 5725 to 5850 | Pass    |
|              |         | 5825            | 20               | 102           | 5824.962                 | 5725 to 5850 | Pass    |
|              |         |                 |                  | 120           | 5824.961                 | 5725 to 5850 | Pass    |
|              |         |                 |                  | 138           | 5824.961                 | 5725 to 5850 | Pass    |
|              |         |                 | -30              | 120           | 5824.961                 | 5725 to 5850 | Pass    |
|              |         |                 | -20              | 120           | 5824.961                 | 5725 to 5850 | Pass    |
|              |         |                 | -10              | 120           | 5824.961                 | 5725 to 5850 | Pass    |
|              |         |                 | 0                | 120           | 5824.961                 | 5725 to 5850 | Pass    |
|              |         |                 | 10               | 120           | 5824.961                 | 5725 to 5850 | Pass    |
|              |         |                 | 30               | 120           | 5824.961                 | 5725 to 5850 | Pass    |
|              |         |                 | 40               | 120           | 5824.961                 | 5725 to 5850 | Pass    |
|              |         |                 | 50               | 120           | 5824.961                 | 5725 to 5850 | Pass    |
|              |         | 5755            | 20               | 102           | 5754.963                 | 5725 to 5850 | Pass    |
|              |         |                 |                  | 120           | 5754.962                 | 5725 to 5850 | Pass    |
|              |         |                 |                  | 138           | 5754.962                 | 5725 to 5850 | Pass    |
|              |         |                 | -30              | 120           | 5754.962                 | 5725 to 5850 | Pass    |
|              |         |                 | -20              | 120           | 5754.962                 | 5725 to 5850 | Pass    |
|              |         |                 | -10              | 120           | 5754.962                 | 5725 to 5850 | Pass    |
|              |         |                 | 0                | 120           | 5754.962                 | 5725 to 5850 | Pass    |
|              |         |                 | 10               | 120           | 5754.962                 | 5725 to 5850 | Pass    |
|              |         |                 | 30               | 120           | 5754.962                 | 5725 to 5850 | Pass    |
|              |         |                 | 40               | 120           | 5754.962                 | 5725 to 5850 | Pass    |
|              |         |                 | 50               | 120           | 5754.962                 | 5725 to 5850 | Pass    |
|              |         | 5795            | 20               | 102           | 5794.961                 | 5725 to 5850 | Pass    |
|              |         |                 |                  | 120           | 5794.961                 | 5725 to 5850 | Pass    |

|  |  |      |     |     |          |              |      |
|--|--|------|-----|-----|----------|--------------|------|
|  |  |      |     | 138 | 5794.961 | 5725 to 5850 | Pass |
|  |  |      | -30 | 120 | 5794.961 | 5725 to 5850 | Pass |
|  |  |      | -20 | 120 | 5794.961 | 5725 to 5850 | Pass |
|  |  |      | -10 | 120 | 5794.961 | 5725 to 5850 | Pass |
|  |  |      | 0   | 120 | 5794.961 | 5725 to 5850 | Pass |
|  |  |      | 10  | 120 | 5794.961 | 5725 to 5850 | Pass |
|  |  |      | 30  | 120 | 5794.961 | 5725 to 5850 | Pass |
|  |  |      | 40  | 120 | 5794.961 | 5725 to 5850 | Pass |
|  |  |      | 50  | 120 | 5794.961 | 5725 to 5850 | Pass |
|  |  | 5775 | 20  | 102 | 5775.447 | 5725 to 5850 | Pass |
|  |  |      |     | 120 | 5774.784 | 5725 to 5850 | Pass |
|  |  |      |     | 138 | 5775.097 | 5725 to 5850 | Pass |
|  |  |      | -30 | 120 | 5774.897 | 5725 to 5850 | Pass |
|  |  |      | -20 | 120 | 5774.816 | 5725 to 5850 | Pass |
|  |  |      | -10 | 120 | 5775.071 | 5725 to 5850 | Pass |
|  |  |      | 0   | 120 | 5774.835 | 5725 to 5850 | Pass |
|  |  |      | 10  | 120 | 5775.359 | 5725 to 5850 | Pass |
|  |  |      | 30  | 120 | 5774.965 | 5725 to 5850 | Pass |
|  |  |      | 40  | 120 | 5774.789 | 5725 to 5850 | Pass |
|  |  |      | 50  | 120 | 5775.156 | 5725 to 5850 | Pass |

## 6. Form731

### 6.1 Test Result

#### 6.1.1 Form731

| Lower Freq (MHz) | High Freq (MHz) | MAX Power (W) | MAX Power (dBm) |
|------------------|-----------------|---------------|-----------------|
| 5745             | 5825            | 0.0110        | 10.41           |
| 5755             | 5795            | 0.0106        | 10.27           |
| 5775             | 5775            | 0.0099        | 9.95            |