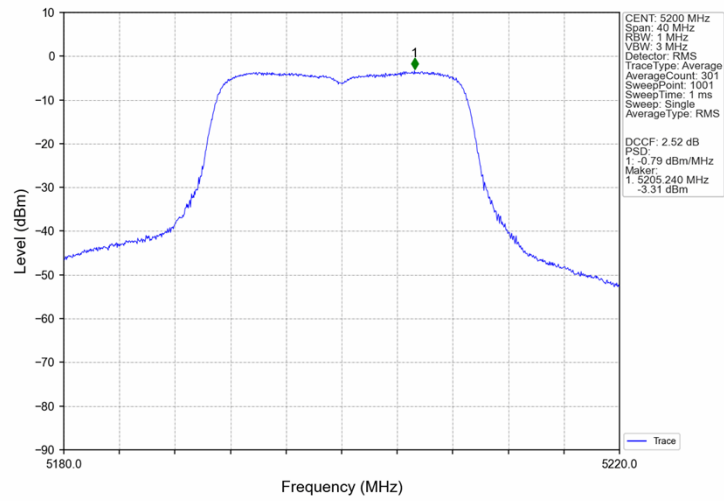
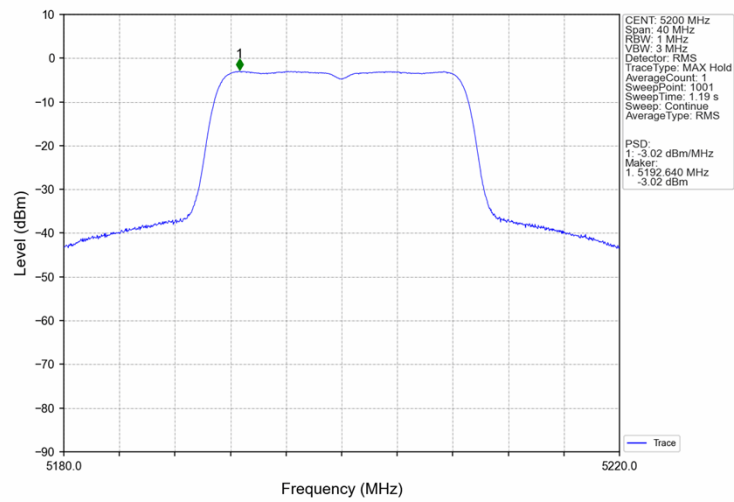


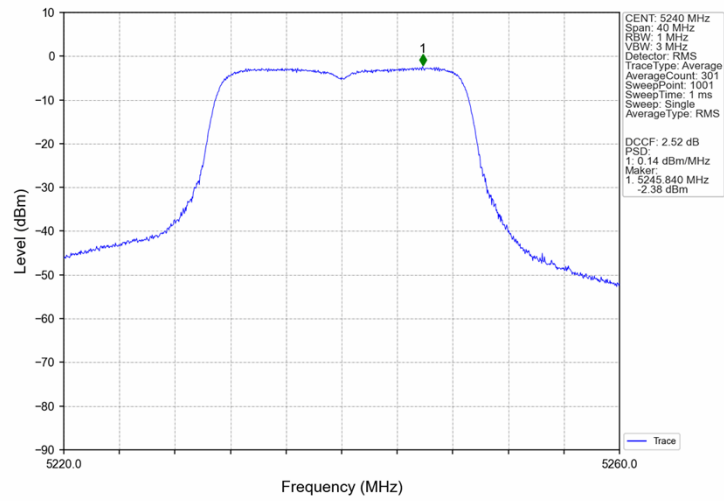
# 802.11ac(VHT20) MCH\_5200MHz\_Ant1\_NTNV



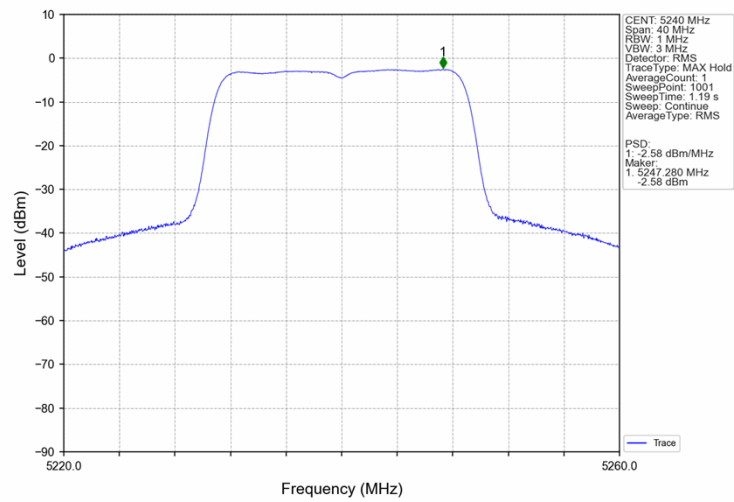
# 802.11ac(VHT20) MCH\_5200MHz\_Ant2\_NTNV



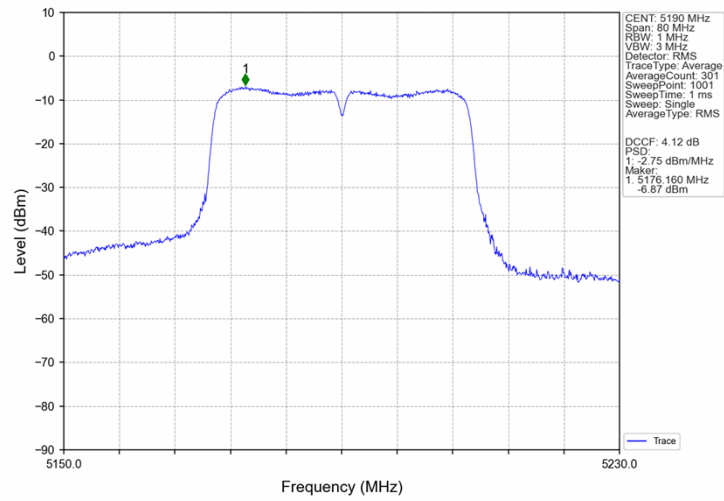
# 802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



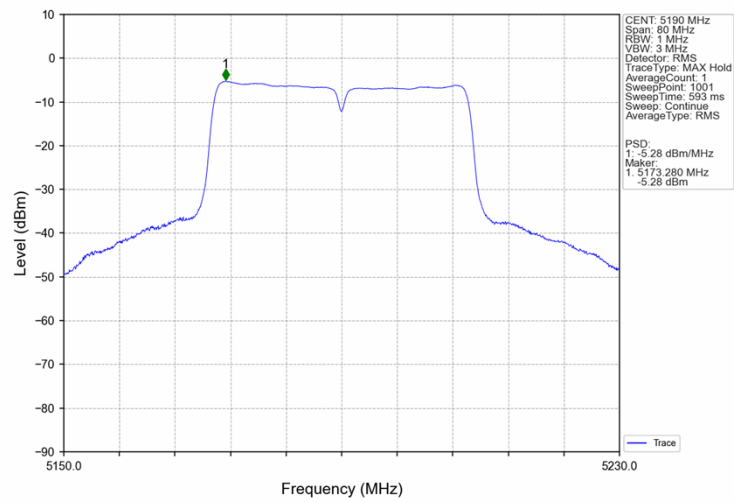
# 802.11ac(VHT20)\_HCH\_5240MHz\_Ant2\_NTNV



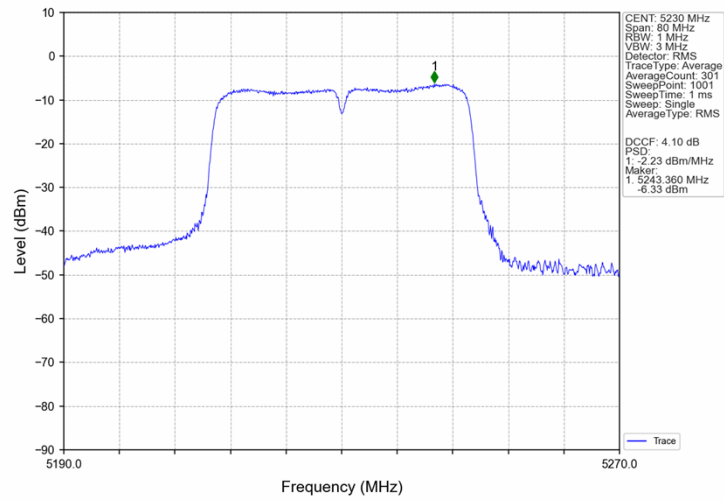
# 802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



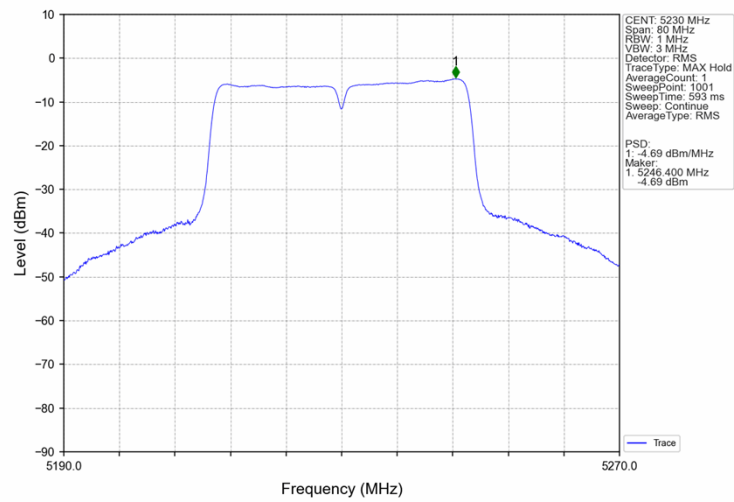
# 802.11ac(VHT40)\_LCH\_5190MHz\_Ant2\_NTNV



# 802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV

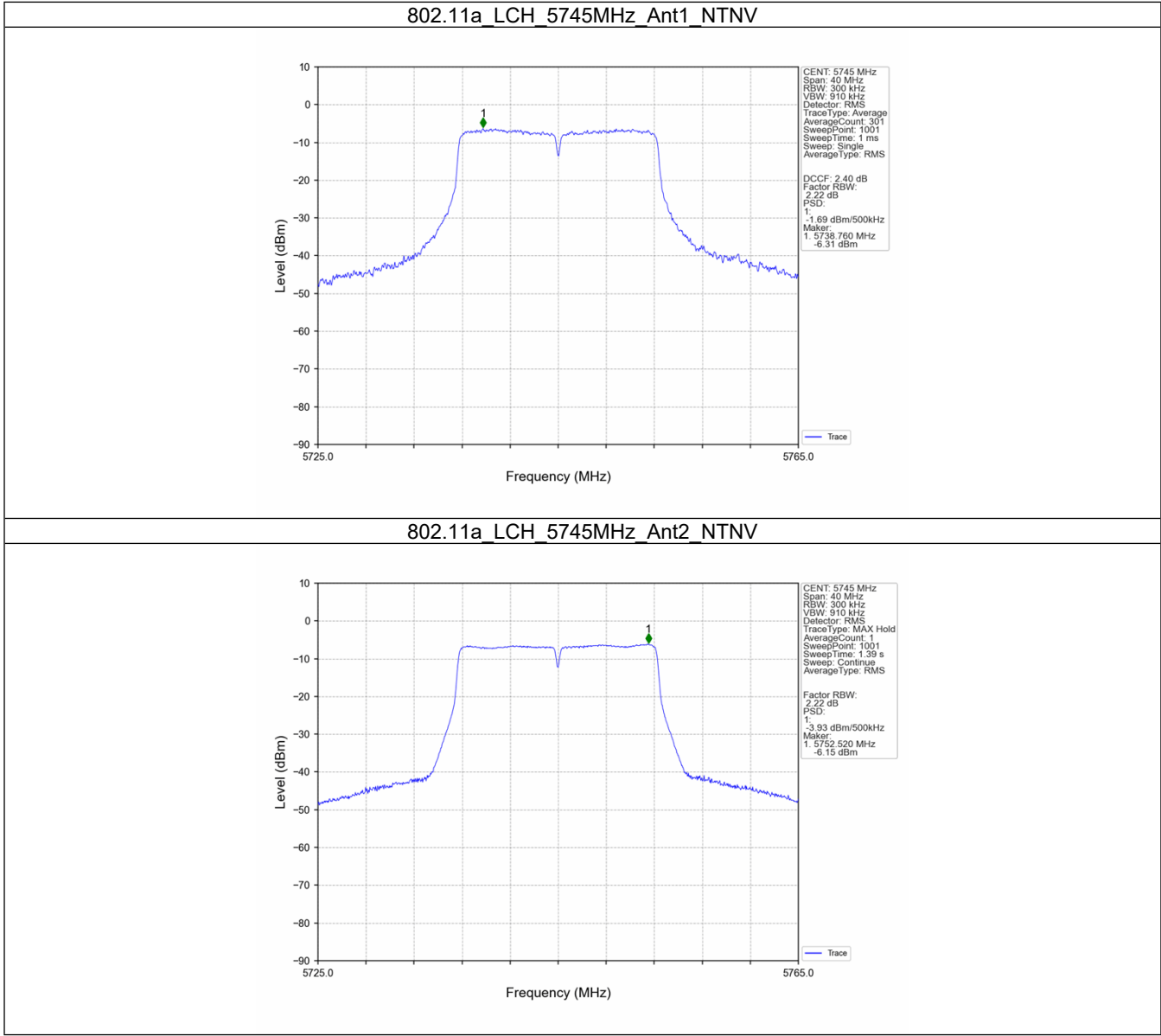


# 802.11ac(VHT40)\_HCH\_5230MHz\_Ant2\_NTNV

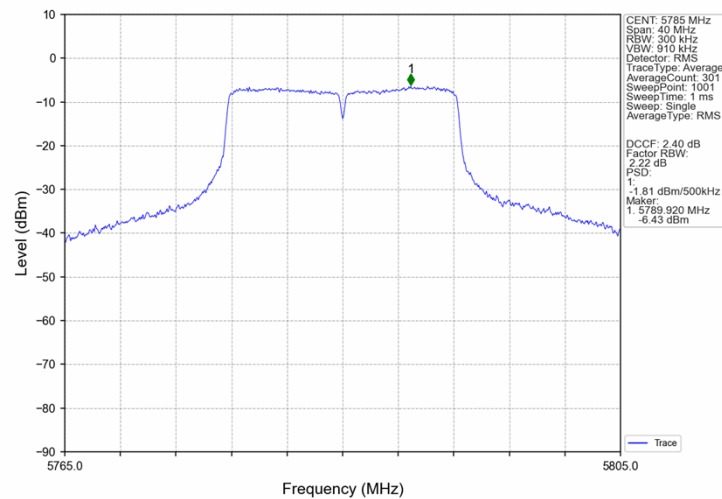


4.2.2 PSD-Band3

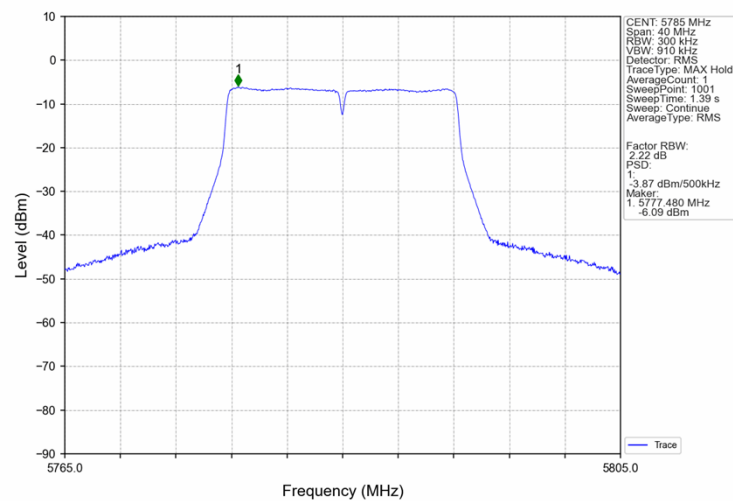
$$\text{dBm}/500\text{hz} = \text{dBm}/300\text{hz} + \text{Duty Cycle Correction Factor (dBm)} + \text{Factor} + \text{RBW (dBm)}$$



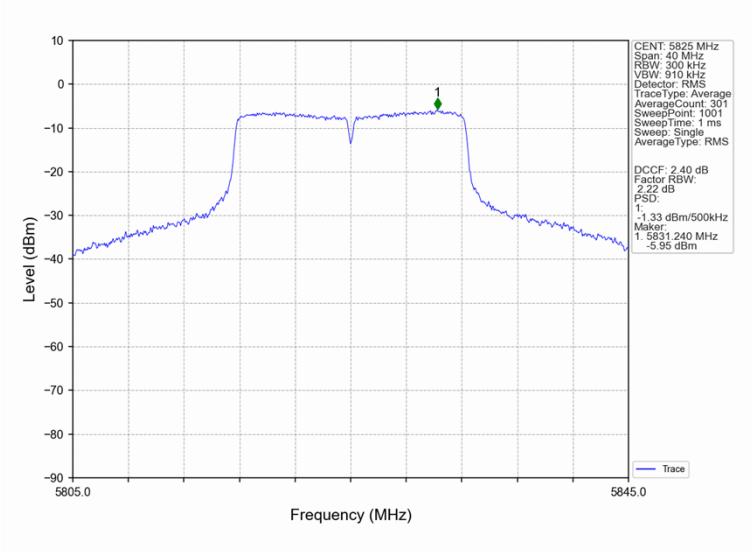
802.11a\_MCH\_5785MHz\_Ant1\_NTNV



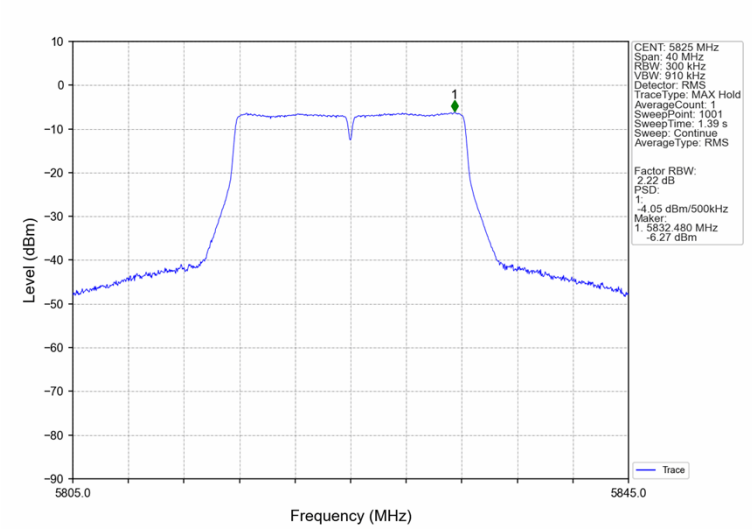
802.11a\_MCH\_5785MHz\_Ant2\_NTNV



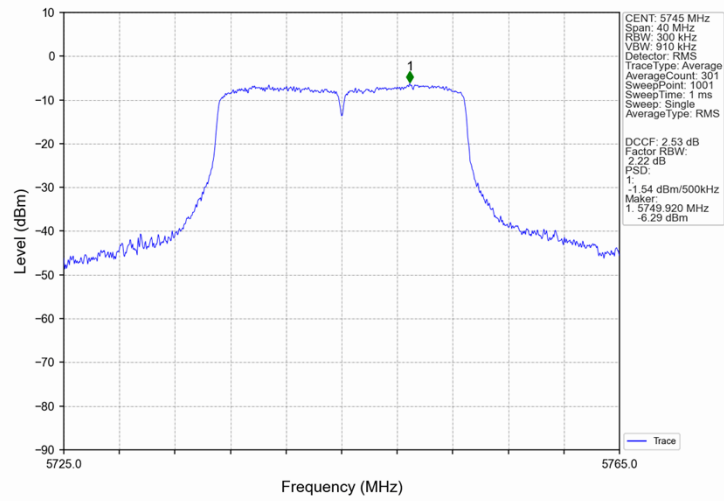
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



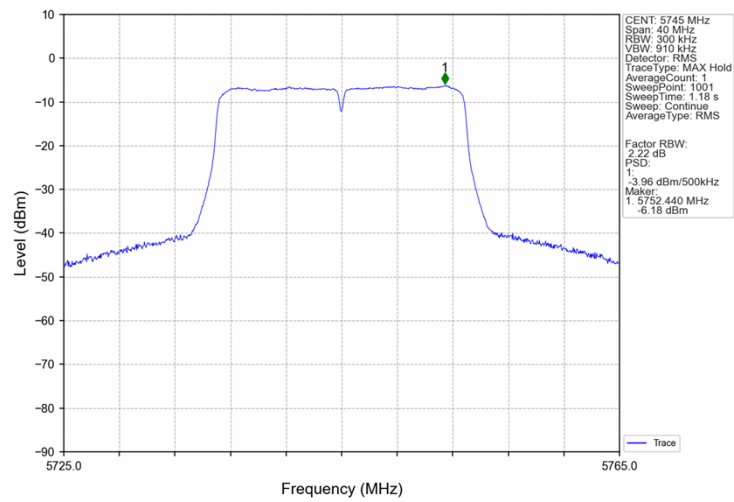
802.11a\_HCH\_5825MHz\_Ant2\_NTNV



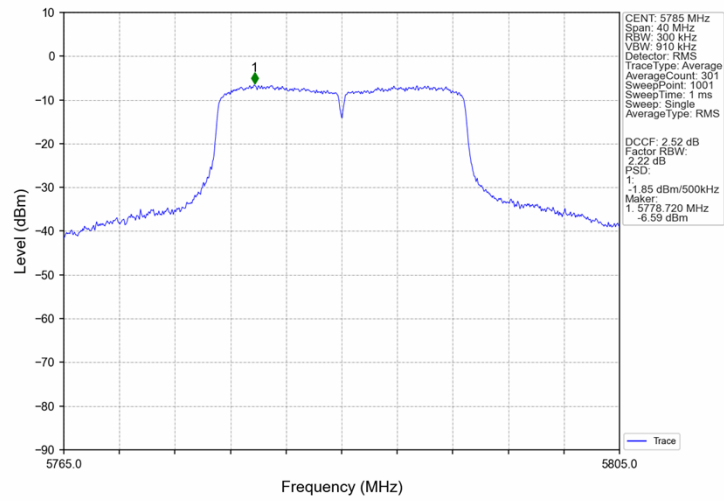
# 802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



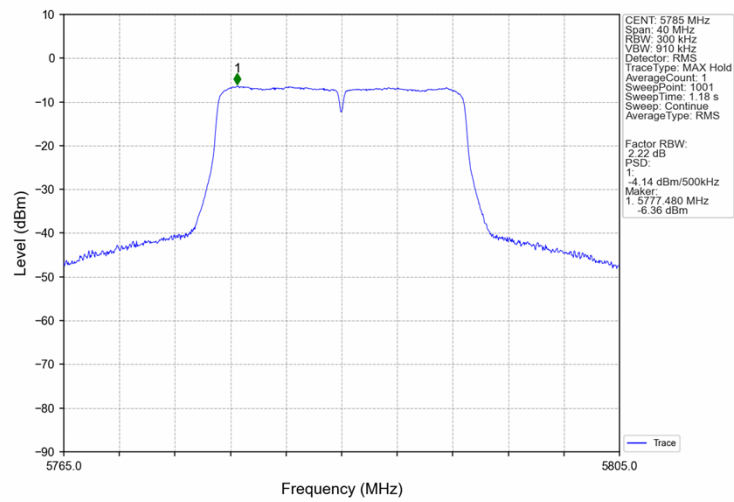
# 802.11n(HT20)\_LCH\_5745MHz\_Ant2\_NTNV



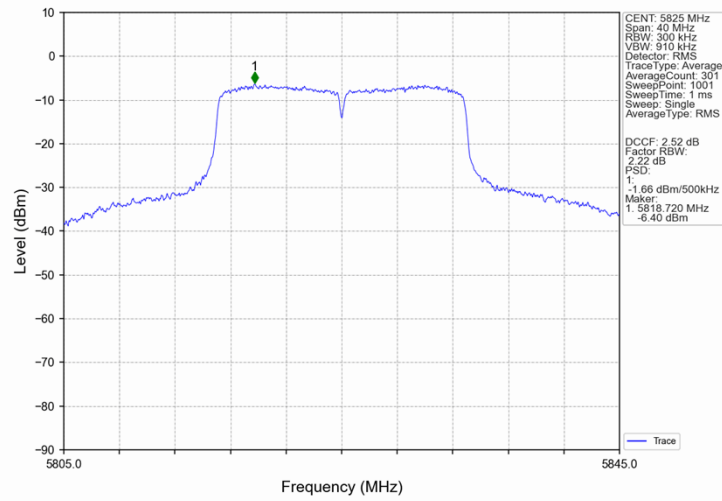
# 802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



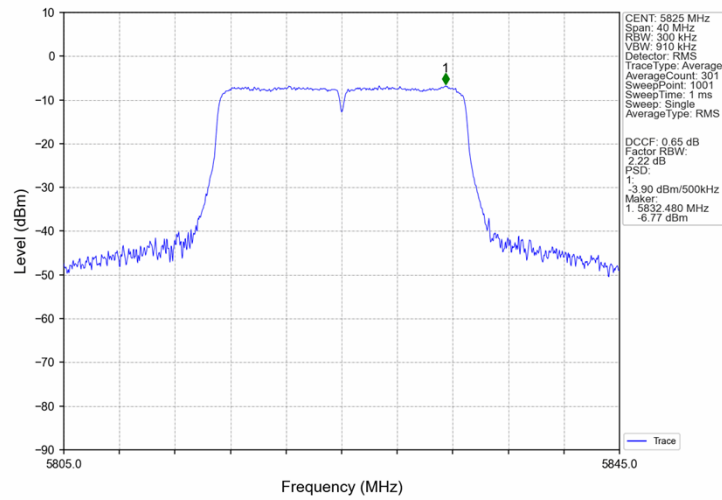
# 802.11n(HT20)\_MCH\_5785MHz\_Ant2\_NTNV



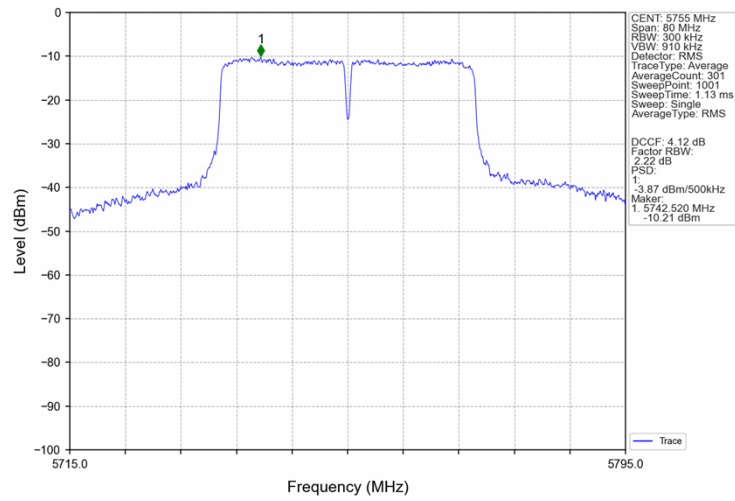
# 802.11n(HT20) HCH 5825MHz Ant1 NTN



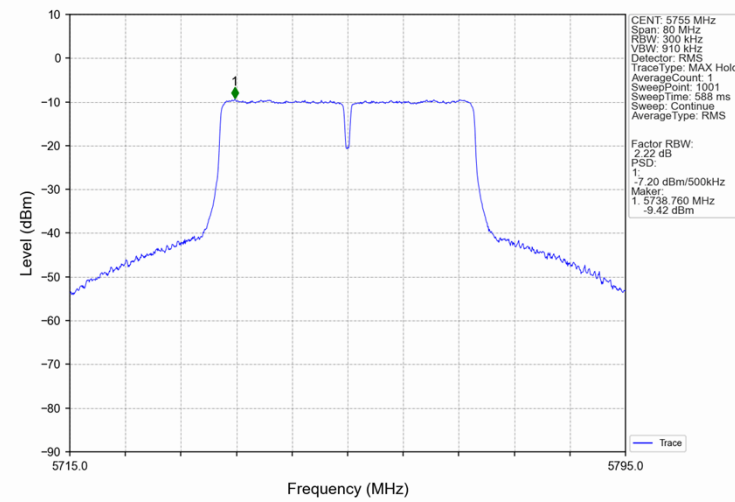
# 802.11n(HT20) HCH 5825MHz Ant2 NTN



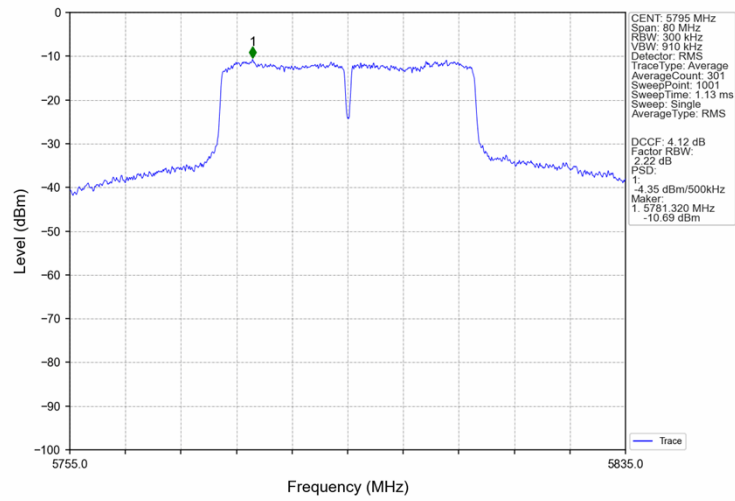
# 802.11n(HT40) LCH\_5755MHz\_Ant1\_NTNV



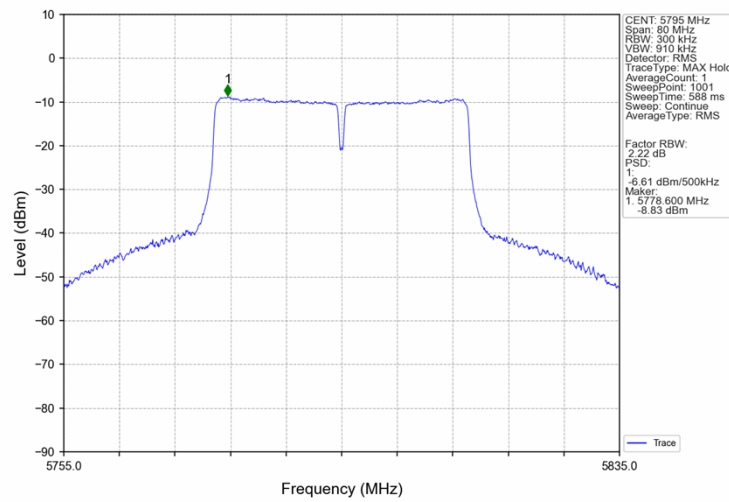
# 802.11n(HT40) LCH\_5755MHz\_Ant2\_NTNV



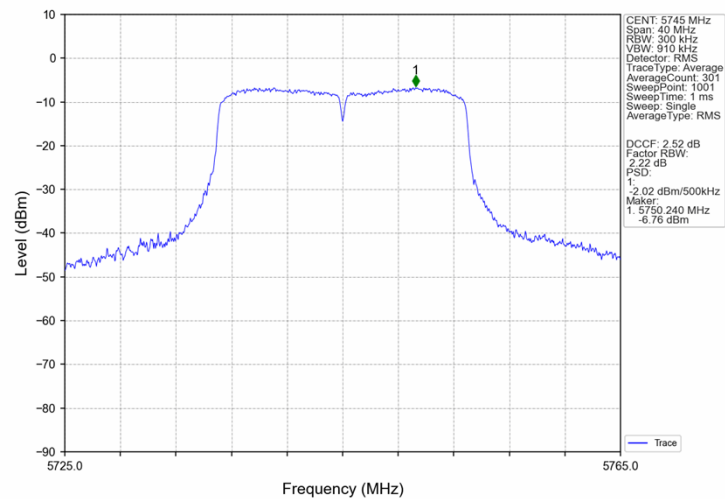
# 802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



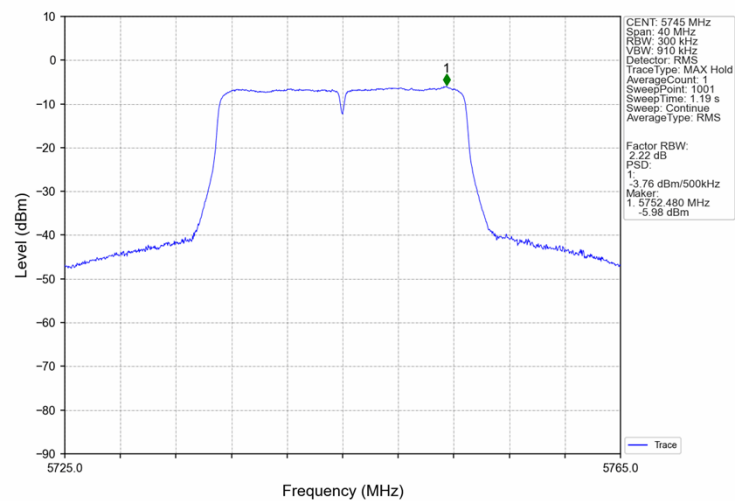
# 802.11n(HT40)\_HCH\_5795MHz\_Ant2\_NTNV



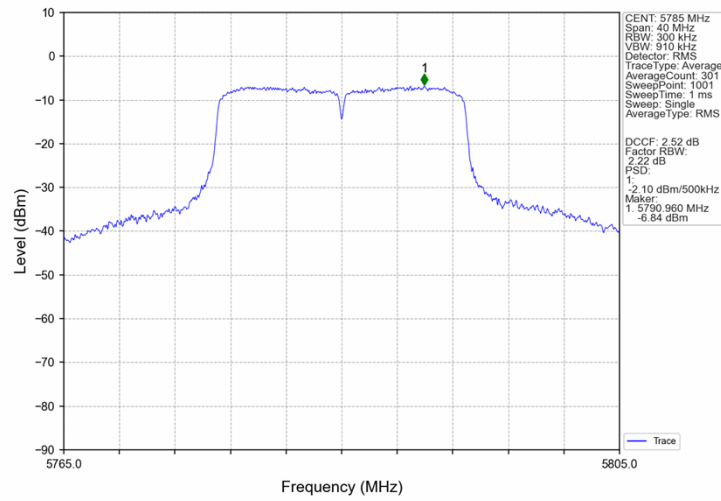
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



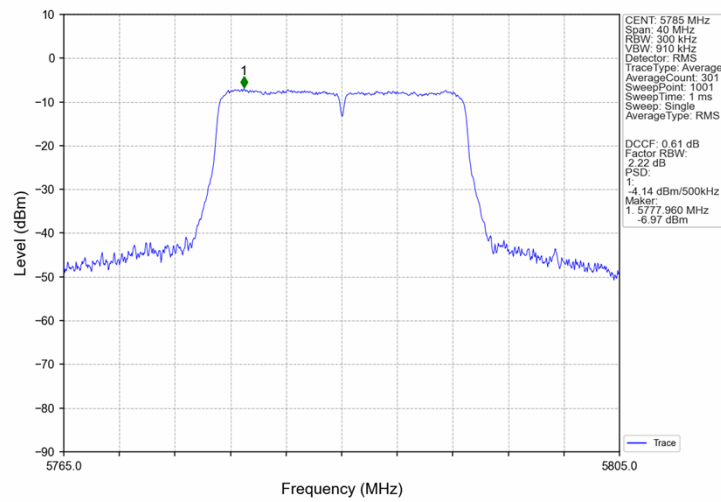
802.11ac(VHT20)\_LCH\_5745MHz\_Ant2\_NTNV



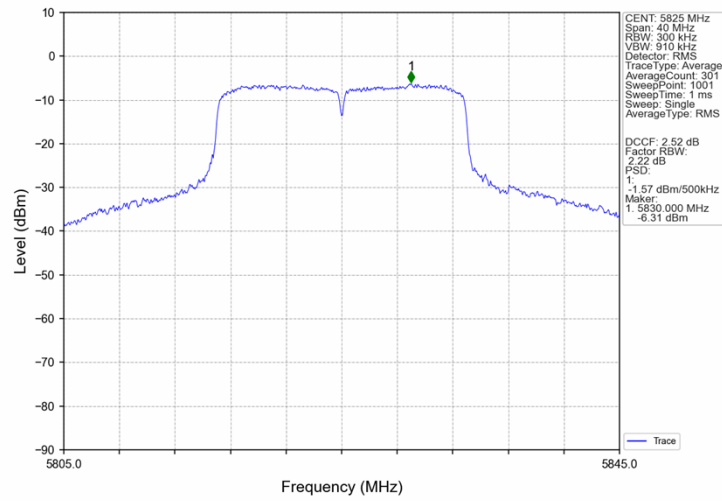
# 802.11ac(VHT20) MCH\_5785MHz\_Ant1\_NTNV



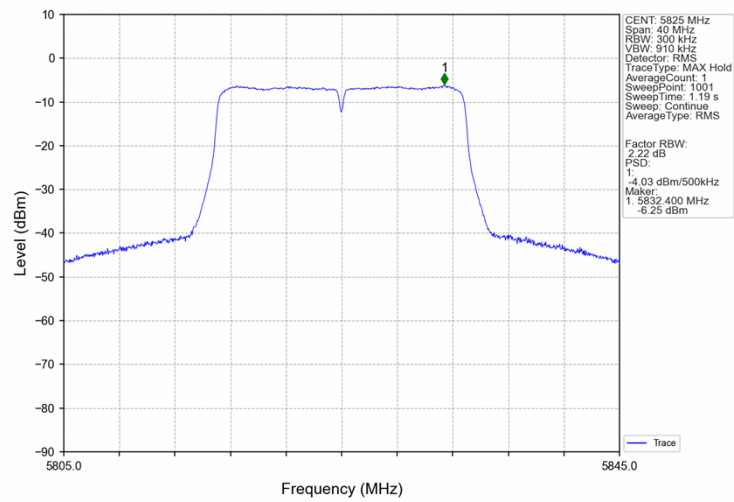
# 802.11ac(VHT20) MCH\_5785MHz\_Ant2\_NTNV



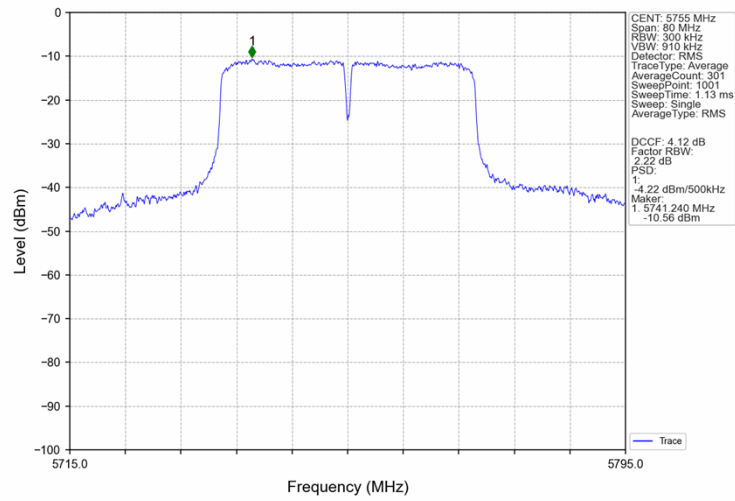
# 802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



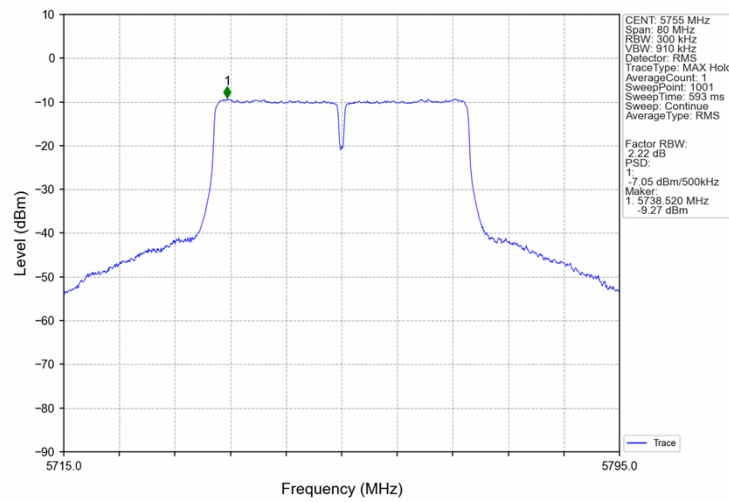
# 802.11ac(VHT20)\_HCH\_5825MHz\_Ant2\_NTNV



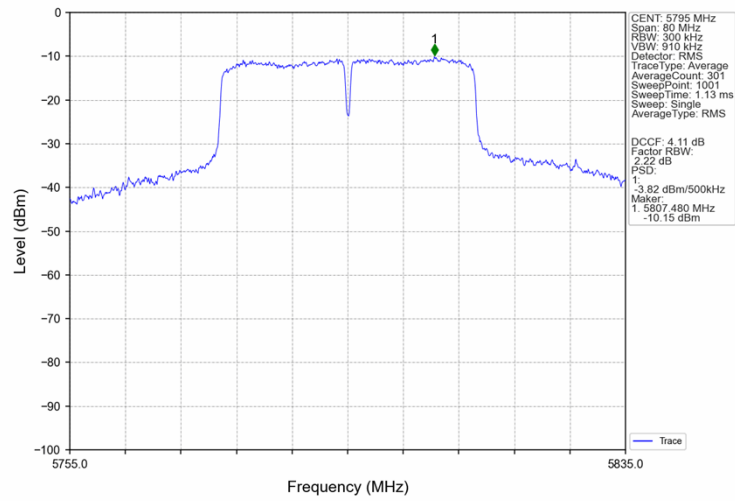
# 802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



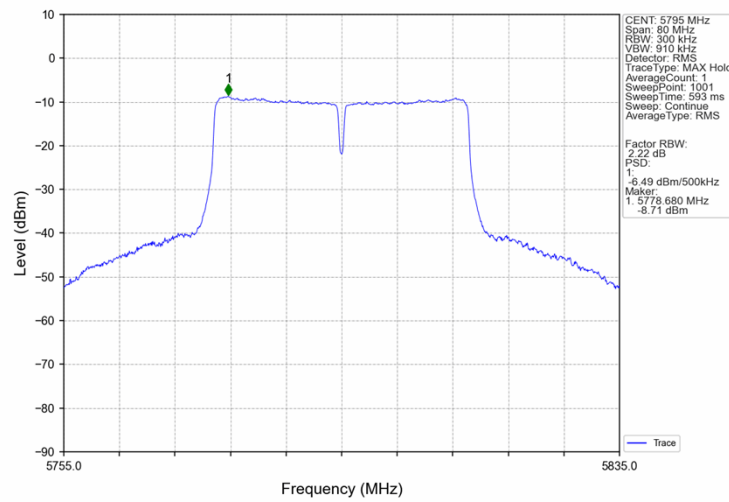
# 802.11ac(VHT40)\_LCH\_5755MHz\_Ant2\_NTNV



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



# 802.11ac(VHT40)\_HCH\_5795MHz\_Ant2\_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    | 5180            | 20               | 102           | 5180.001                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 138           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 | -30              | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 | -20              | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 | -10              | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 0                | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 10               | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 30               | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 40               | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 50               | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         | 5200            | 20               | 102           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 138           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 | -30              | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 | -20              | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 | -10              | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 0                | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 10               | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 30               | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 40               | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 50               | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         | 5240            | 20               | 102           | 5239.961                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 120           | 5239.961                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 138           | 5239.960                 | 5150 to 5250 | Pass    |
|              |         |                 | -30              | 120           | 5239.960                 | 5150 to 5250 | Pass    |
|              |         |                 | -20              | 120           | 5239.960                 | 5150 to 5250 | Pass    |
|              |         |                 | -10              | 120           | 5239.960                 | 5150 to 5250 | Pass    |
|              |         |                 | 0                | 120           | 5239.959                 | 5150 to 5250 | Pass    |
|              |         |                 | 10               | 120           | 5239.959                 | 5150 to 5250 | Pass    |
|              |         |                 | 30               | 120           | 5239.959                 | 5150 to 5250 | Pass    |
|              |         |                 | 40               | 120           | 5239.959                 | 5150 to 5250 | Pass    |
|              |         |                 | 50               | 120           | 5239.959                 | 5150 to 5250 | Pass    |
|              |         | 5745            | 20               | 102           | 5744.966                 | 5725 to 5850 | Pass    |
|              |         |                 |                  | 120           | 5744.964                 | 5725 to 5850 | Pass    |
|              |         |                 |                  | 138           | 5744.962                 | 5725 to 5850 | Pass    |
|              |         |                 | -30              | 120           | 5744.961                 | 5725 to 5850 | Pass    |
|              |         |                 | -20              | 120           | 5744.961                 | 5725 to 5850 | Pass    |
|              |         |                 | -10              | 120           | 5744.960                 | 5725 to 5850 | Pass    |
|              |         |                 | 0                | 120           | 5744.960                 | 5725 to 5850 | Pass    |
|              |         |                 | 10               | 120           | 5744.959                 | 5725 to 5850 | Pass    |
|              |         |                 | 30               | 120           | 5744.959                 | 5725 to 5850 | Pass    |
|              |         |                 | 40               | 120           | 5744.958                 | 5725 to 5850 | Pass    |
|              |         |                 | 50               | 120           | 5744.958                 | 5725 to 5850 | Pass    |
|              |         | 5785            | 20               | 102           | 5784.959                 | 5725 to 5850 | Pass    |
|              |         |                 |                  | 120           | 5784.958                 | 5725 to 5850 | Pass    |

|  |  |      |     |     |          |              |      |
|--|--|------|-----|-----|----------|--------------|------|
|  |  |      |     | 138 | 5784.957 | 5725 to 5850 | Pass |
|  |  |      | -30 | 120 | 5784.957 | 5725 to 5850 | Pass |
|  |  |      | -20 | 120 | 5784.957 | 5725 to 5850 | Pass |
|  |  |      | -10 | 120 | 5784.956 | 5725 to 5850 | Pass |
|  |  |      | 0   | 120 | 5784.956 | 5725 to 5850 | Pass |
|  |  |      | 10  | 120 | 5784.956 | 5725 to 5850 | Pass |
|  |  |      | 30  | 120 | 5784.956 | 5725 to 5850 | Pass |
|  |  |      | 40  | 120 | 5784.956 | 5725 to 5850 | Pass |
|  |  |      | 50  | 120 | 5784.956 | 5725 to 5850 | Pass |
|  |  | 5825 | 20  | 102 | 5824.958 | 5725 to 5850 | Pass |
|  |  |      |     | 120 | 5824.957 | 5725 to 5850 | Pass |
|  |  |      |     | 138 | 5824.956 | 5725 to 5850 | Pass |
|  |  |      | -30 | 120 | 5824.956 | 5725 to 5850 | Pass |
|  |  |      | -20 | 120 | 5824.956 | 5725 to 5850 | Pass |
|  |  |      | -10 | 120 | 5824.955 | 5725 to 5850 | Pass |
|  |  |      | 0   | 120 | 5824.955 | 5725 to 5850 | Pass |
|  |  |      | 10  | 120 | 5824.955 | 5725 to 5850 | Pass |
|  |  |      | 30  | 120 | 5824.955 | 5725 to 5850 | Pass |
|  |  |      | 40  | 120 | 5824.955 | 5725 to 5850 | Pass |
|  |  |      | 50  | 120 | 5824.955 | 5725 to 5850 | Pass |
|  |  | 5190 | 20  | 102 | 5189.961 | 5150 to 5250 | Pass |
|  |  |      |     | 120 | 5189.961 | 5150 to 5250 | Pass |
|  |  |      |     | 138 | 5189.961 | 5150 to 5250 | Pass |
|  |  |      | -30 | 120 | 5189.961 | 5150 to 5250 | Pass |
|  |  |      | -20 | 120 | 5189.961 | 5150 to 5250 | Pass |
|  |  |      | -10 | 120 | 5189.961 | 5150 to 5250 | Pass |
|  |  |      | 0   | 120 | 5189.960 | 5150 to 5250 | Pass |
|  |  |      | 10  | 120 | 5189.960 | 5150 to 5250 | Pass |
|  |  |      | 30  | 120 | 5189.960 | 5150 to 5250 | Pass |
|  |  |      | 40  | 120 | 5189.960 | 5150 to 5250 | Pass |
|  |  |      | 50  | 120 | 5189.960 | 5150 to 5250 | Pass |
|  |  | 5230 | 20  | 102 | 5229.960 | 5150 to 5250 | Pass |
|  |  |      |     | 120 | 5229.960 | 5150 to 5250 | Pass |
|  |  |      |     | 138 | 5229.960 | 5150 to 5250 | Pass |
|  |  |      | -30 | 120 | 5229.960 | 5150 to 5250 | Pass |
|  |  |      | -20 | 120 | 5229.960 | 5150 to 5250 | Pass |
|  |  |      | -10 | 120 | 5229.960 | 5150 to 5250 | Pass |
|  |  |      | 0   | 120 | 5229.960 | 5150 to 5250 | Pass |
|  |  |      | 10  | 120 | 5229.960 | 5150 to 5250 | Pass |
|  |  |      | 30  | 120 | 5229.960 | 5150 to 5250 | Pass |
|  |  |      | 40  | 120 | 5229.960 | 5150 to 5250 | Pass |
|  |  |      | 50  | 120 | 5229.960 | 5150 to 5250 | Pass |
|  |  | 5755 | 20  | 102 | 5754.957 | 5725 to 5850 | Pass |
|  |  |      |     | 120 | 5754.956 | 5725 to 5850 | Pass |
|  |  |      |     | 138 | 5754.956 | 5725 to 5850 | Pass |
|  |  |      | -30 | 120 | 5754.956 | 5725 to 5850 | Pass |
|  |  |      | -20 | 120 | 5754.956 | 5725 to 5850 | Pass |
|  |  |      | -10 | 120 | 5754.955 | 5725 to 5850 | Pass |
|  |  |      | 0   | 120 | 5754.955 | 5725 to 5850 | Pass |
|  |  |      | 10  | 120 | 5754.955 | 5725 to 5850 | Pass |
|  |  |      | 30  | 120 | 5754.955 | 5725 to 5850 | Pass |
|  |  |      | 40  | 120 | 5754.955 | 5725 to 5850 | Pass |
|  |  |      | 50  | 120 | 5754.955 | 5725 to 5850 | Pass |
|  |  | 5795 | 20  | 102 | 5794.957 | 5725 to 5850 | Pass |
|  |  |      |     | 120 | 5794.956 | 5725 to 5850 | Pass |
|  |  |      |     | 138 | 5794.956 | 5725 to 5850 | Pass |
|  |  |      | -30 | 120 | 5794.955 | 5725 to 5850 | Pass |
|  |  |      | -20 | 120 | 5794.955 | 5725 to 5850 | Pass |
|  |  |      | -10 | 120 | 5794.955 | 5725 to 5850 | Pass |

|  |  |  |    |     |          |              |      |
|--|--|--|----|-----|----------|--------------|------|
|  |  |  | 0  | 120 | 5794.955 | 5725 to 5850 | Pass |
|  |  |  | 10 | 120 | 5794.955 | 5725 to 5850 | Pass |
|  |  |  | 30 | 120 | 5794.955 | 5725 to 5850 | Pass |
|  |  |  | 40 | 120 | 5794.954 | 5725 to 5850 | Pass |
|  |  |  | 50 | 120 | 5794.954 | 5725 to 5850 | Pass |

### 5.1.2 Ant2

| Ant2         |         |                 |                  |               |                          |              |         |
|--------------|---------|-----------------|------------------|---------------|--------------------------|--------------|---------|
| Mode         | TX Type | Frequency (MHz) | Temperature (°C) | Voltage (VAC) | Measured Frequency (MHz) | Limit (MHz)  | Verdict |
| Carrier Wave | SISO    | 5180            | 20               | 102           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 138           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 | -30              | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 | -20              | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 | -10              | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 0                | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 10               | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 30               | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 40               | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 50               | 120           | 5180.002                 | 5150 to 5250 | Pass    |
|              |         | 5200            | 20               | 102           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 138           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 | -30              | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 | -20              | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 | -10              | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 0                | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 10               | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 30               | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 40               | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         |                 | 50               | 120           | 5200.002                 | 5150 to 5250 | Pass    |
|              |         | 5240            | 20               | 102           | 5239.979                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 120           | 5239.979                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 138           | 5239.979                 | 5150 to 5250 | Pass    |
|              |         |                 | -30              | 120           | 5239.979                 | 5150 to 5250 | Pass    |
|              |         |                 | -20              | 120           | 5239.979                 | 5150 to 5250 | Pass    |
|              |         |                 | -10              | 120           | 5239.979                 | 5150 to 5250 | Pass    |
|              |         |                 | 0                | 120           | 5239.979                 | 5150 to 5250 | Pass    |
|              |         |                 | 10               | 120           | 5239.979                 | 5150 to 5250 | Pass    |
|              |         |                 | 30               | 120           | 5239.979                 | 5150 to 5250 | Pass    |
|              |         |                 | 40               | 120           | 5239.979                 | 5150 to 5250 | Pass    |
|              |         |                 | 50               | 120           | 5239.979                 | 5150 to 5250 | Pass    |
|              |         | 5745            | 20               | 102           | 5744.977                 | 5725 to 5850 | Pass    |
|              |         |                 |                  | 120           | 5744.977                 | 5725 to 5850 | Pass    |
|              |         |                 |                  | 138           | 5744.977                 | 5725 to 5850 | Pass    |
|              |         |                 | -30              | 120           | 5744.977                 | 5725 to 5850 | Pass    |
|              |         |                 | -20              | 120           | 5744.977                 | 5725 to 5850 | Pass    |
|              |         |                 | -10              | 120           | 5744.977                 | 5725 to 5850 | Pass    |
|              |         |                 | 0                | 120           | 5744.977                 | 5725 to 5850 | Pass    |
|              |         |                 | 10               | 120           | 5744.977                 | 5725 to 5850 | Pass    |
|              |         |                 | 30               | 120           | 5744.976                 | 5725 to 5850 | Pass    |
|              |         |                 | 40               | 120           | 5744.976                 | 5725 to 5850 | Pass    |
|              |         |                 | 50               | 120           | 5744.976                 | 5725 to 5850 | Pass    |
|              |         | 5785            | 20               | 102           | 5784.975                 | 5725 to 5850 | Pass    |
|              |         |                 |                  | 120           | 5784.975                 | 5725 to 5850 | Pass    |
|              |         |                 |                  | 138           | 5784.975                 | 5725 to 5850 | Pass    |