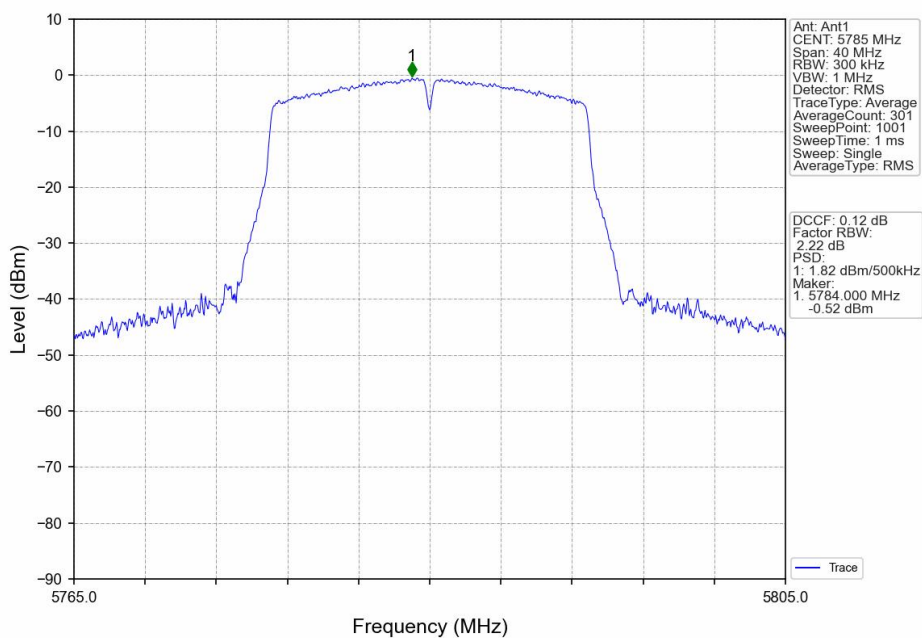
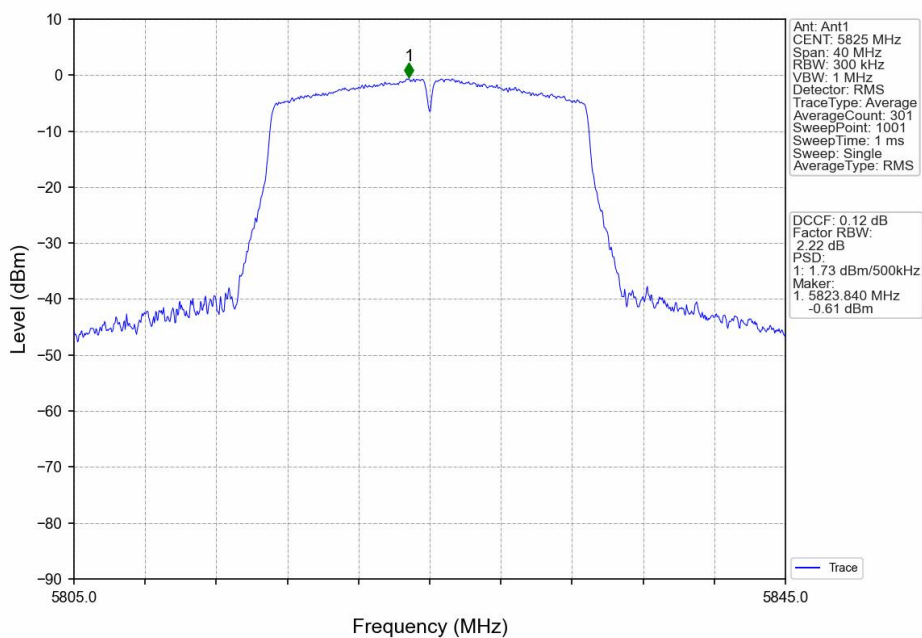


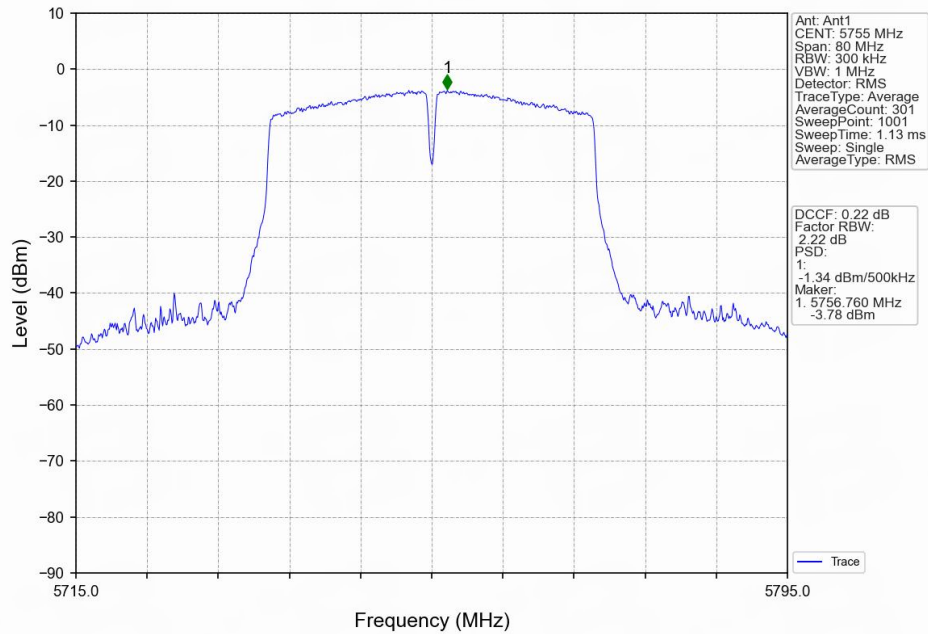
## 802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



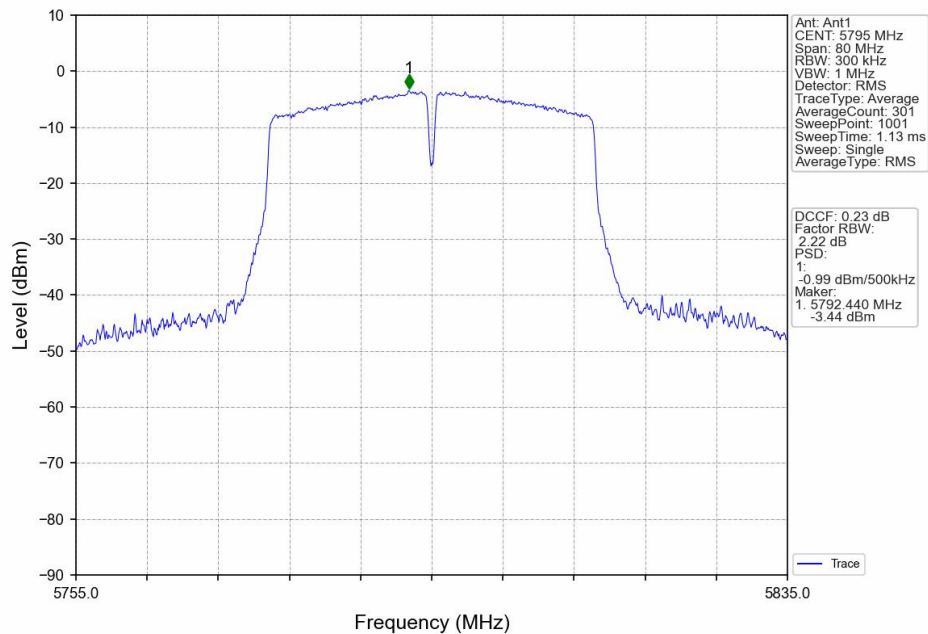
## 802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



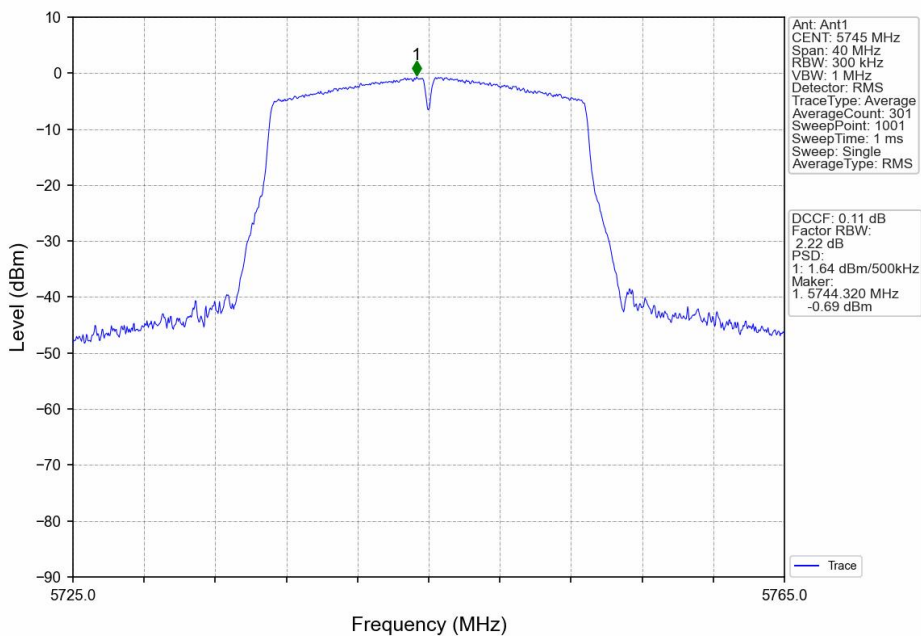
## 802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



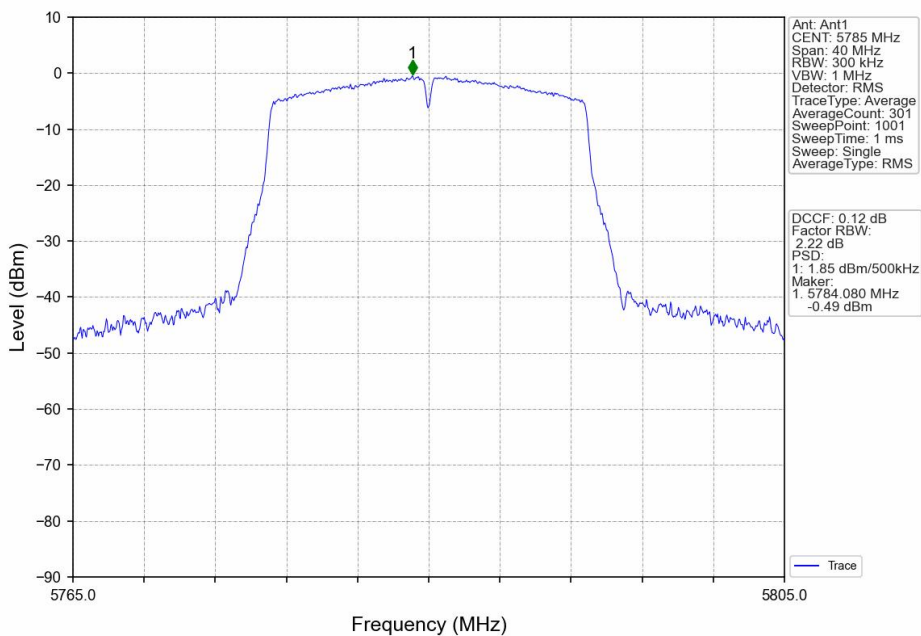
## 802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



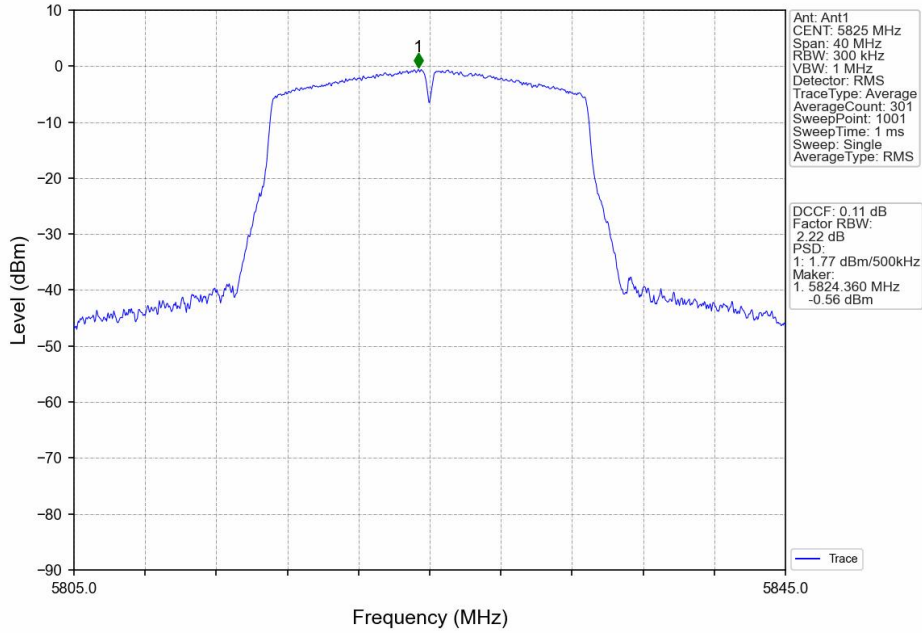
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



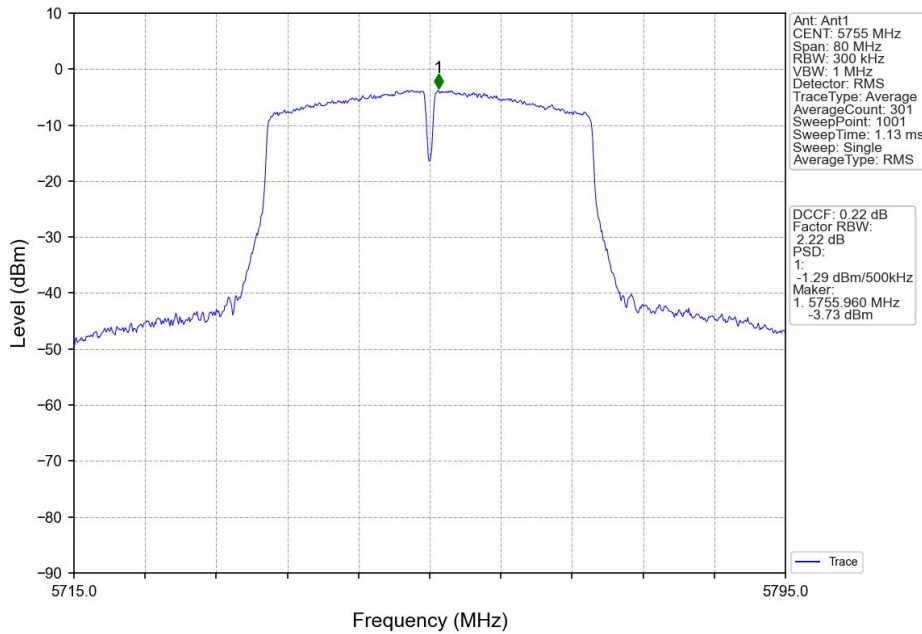
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



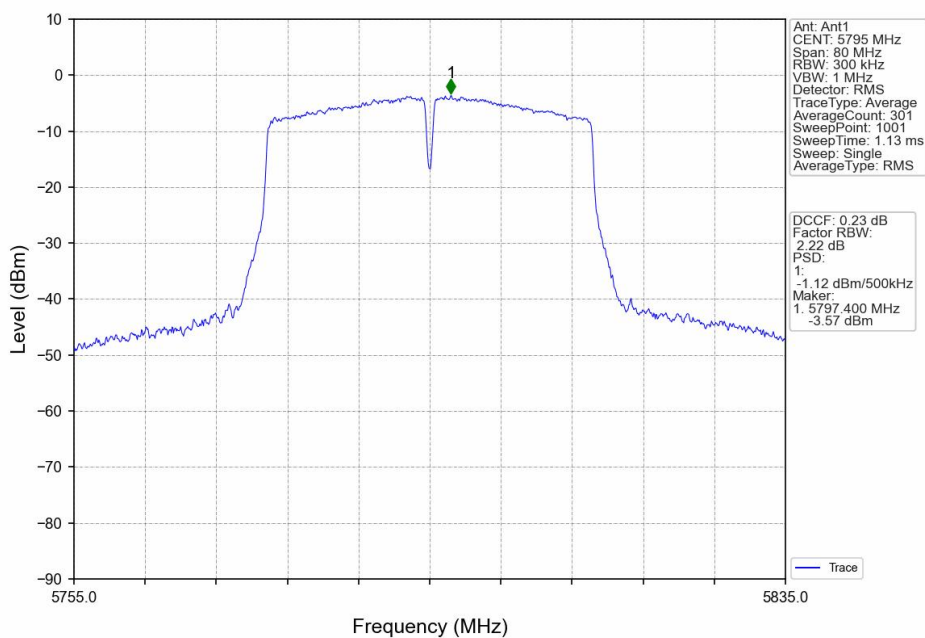
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



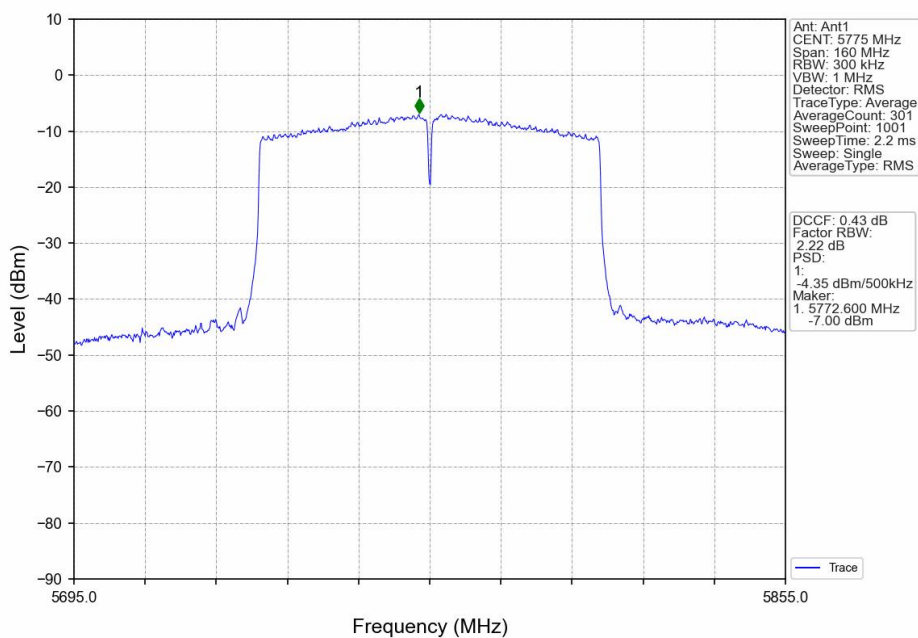
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



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



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



## 5. Frequency Stability

### 5.1 Ant1

#### 5.1.1 Test Result

| Ant1         |         |                 |                  |               |                          |              |         |
|--------------|---------|-----------------|------------------|---------------|--------------------------|--------------|---------|
| Mode         | TX Type | Frequency (MHz) | Temperature (°C) | Voltage (VAC) | Measured Frequency (MHz) | Limit (MHz)  | Verdict |
| Carrier Wave | SISO    | 5180            | 20               | 102           | 5179.971                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 120           | 5179.971                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 138           | 5179.970                 | 5150 to 5250 | Pass    |
|              |         |                 | -30              | 120           | 5179.970                 | 5150 to 5250 | Pass    |
|              |         |                 | -20              | 120           | 5179.970                 | 5150 to 5250 | Pass    |
|              |         |                 | -10              | 120           | 5179.970                 | 5150 to 5250 | Pass    |
|              |         |                 | 0                | 120           | 5179.970                 | 5150 to 5250 | Pass    |
|              |         |                 | 10               | 120           | 5179.970                 | 5150 to 5250 | Pass    |
|              |         |                 | 30               | 120           | 5179.969                 | 5150 to 5250 | Pass    |
|              |         |                 | 40               | 120           | 5179.969                 | 5150 to 5250 | Pass    |
|              |         |                 | 50               | 120           | 5179.969                 | 5150 to 5250 | Pass    |
|              |         | 5200            | 20               | 102           | 5199.969                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 120           | 5199.969                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 138           | 5199.969                 | 5150 to 5250 | Pass    |
|              |         |                 | -30              | 120           | 5199.969                 | 5150 to 5250 | Pass    |
|              |         |                 | -20              | 120           | 5199.969                 | 5150 to 5250 | Pass    |
|              |         |                 | -10              | 120           | 5199.969                 | 5150 to 5250 | Pass    |
|              |         |                 | 0                | 120           | 5199.969                 | 5150 to 5250 | Pass    |
|              |         |                 | 10               | 120           | 5199.969                 | 5150 to 5250 | Pass    |
|              |         |                 | 30               | 120           | 5199.969                 | 5150 to 5250 | Pass    |
|              |         |                 | 40               | 120           | 5199.969                 | 5150 to 5250 | Pass    |
|              |         |                 | 50               | 120           | 5199.969                 | 5150 to 5250 | Pass    |
|              |         | 5240            | 20               | 102           | 5239.968                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 120           | 5239.968                 | 5150 to 5250 | Pass    |
|              |         |                 |                  | 138           | 5239.968                 | 5150 to 5250 | Pass    |
|              |         |                 | -30              | 120           | 5239.968                 | 5150 to 5250 | Pass    |
|              |         |                 | -20              | 120           | 5239.968                 | 5150 to 5250 | Pass    |
|              |         |                 | -10              | 120           | 5239.968                 | 5150 to 5250 | Pass    |
|              |         |                 | 0                | 120           | 5239.968                 | 5150 to 5250 | Pass    |
|              |         |                 | 10               | 120           | 5239.968                 | 5150 to 5250 | Pass    |
|              |         |                 | 30               | 120           | 5239.968                 | 5150 to 5250 | Pass    |
|              |         |                 | 40               | 120           | 5239.968                 | 5150 to 5250 | Pass    |
|              |         |                 | 50               | 120           | 5239.968                 | 5150 to 5250 | Pass    |
|              |         | 5260            | 20               | 102           | 5259.970                 | 5250 to 5350 | Pass    |
|              |         |                 |                  | 120           | 5259.970                 | 5250 to 5350 | Pass    |
|              |         |                 |                  | 138           | 5259.970                 | 5250 to 5350 | Pass    |
|              |         |                 | -30              | 120           | 5259.969                 | 5250 to 5350 | Pass    |
|              |         |                 | -20              | 120           | 5259.969                 | 5250 to 5350 | Pass    |
|              |         |                 | -10              | 120           | 5259.969                 | 5250 to 5350 | Pass    |
|              |         |                 | 0                | 120           | 5259.969                 | 5250 to 5350 | Pass    |
|              |         |                 | 10               | 120           | 5259.969                 | 5250 to 5350 | Pass    |

|  |  |      |     |     |          |              |      |
|--|--|------|-----|-----|----------|--------------|------|
|  |  |      | 30  | 120 | 5259.968 | 5250 to 5350 | Pass |
|  |  |      | 40  | 120 | 5259.968 | 5250 to 5350 | Pass |
|  |  |      | 50  | 120 | 5259.968 | 5250 to 5350 | Pass |
|  |  | 5300 | 20  | 102 | 5299.967 | 5250 to 5350 | Pass |
|  |  |      |     | 120 | 5299.967 | 5250 to 5350 | Pass |
|  |  |      |     | 138 | 5299.967 | 5250 to 5350 | Pass |
|  |  |      | -30 | 120 | 5299.967 | 5250 to 5350 | Pass |
|  |  |      | -20 | 120 | 5299.967 | 5250 to 5350 | Pass |
|  |  |      | -10 | 120 | 5299.967 | 5250 to 5350 | Pass |
|  |  |      | 0   | 120 | 5299.967 | 5250 to 5350 | Pass |
|  |  |      | 10  | 120 | 5299.967 | 5250 to 5350 | Pass |
|  |  |      | 30  | 120 | 5299.966 | 5250 to 5350 | Pass |
|  |  |      | 40  | 120 | 5299.966 | 5250 to 5350 | Pass |
|  |  |      | 50  | 120 | 5299.966 | 5250 to 5350 | Pass |
|  |  | 5320 | 20  | 102 | 5319.966 | 5250 to 5350 | Pass |
|  |  |      |     | 120 | 5319.966 | 5250 to 5350 | Pass |
|  |  |      |     | 138 | 5319.966 | 5250 to 5350 | Pass |
|  |  |      | -30 | 120 | 5319.966 | 5250 to 5350 | Pass |
|  |  |      | -20 | 120 | 5319.966 | 5250 to 5350 | Pass |
|  |  |      | -10 | 120 | 5319.965 | 5250 to 5350 | Pass |
|  |  |      | 0   | 120 | 5319.965 | 5250 to 5350 | Pass |
|  |  |      | 10  | 120 | 5319.965 | 5250 to 5350 | Pass |
|  |  |      | 30  | 120 | 5319.965 | 5250 to 5350 | Pass |
|  |  |      | 40  | 120 | 5319.965 | 5250 to 5350 | Pass |
|  |  |      | 50  | 120 | 5319.965 | 5250 to 5350 | Pass |
|  |  | 5745 | 20  | 102 | 5744.965 | 5725 to 5850 | Pass |
|  |  |      |     | 120 | 5744.965 | 5725 to 5850 | Pass |
|  |  |      |     | 138 | 5744.965 | 5725 to 5850 | Pass |
|  |  |      | -30 | 120 | 5744.965 | 5725 to 5850 | Pass |
|  |  |      | -20 | 120 | 5744.966 | 5725 to 5850 | Pass |
|  |  |      | -10 | 120 | 5744.965 | 5725 to 5850 | Pass |
|  |  |      | 0   | 120 | 5744.965 | 5725 to 5850 | Pass |
|  |  |      | 10  | 120 | 5744.965 | 5725 to 5850 | Pass |
|  |  |      | 30  | 120 | 5744.965 | 5725 to 5850 | Pass |
|  |  |      | 40  | 120 | 5744.965 | 5725 to 5850 | Pass |
|  |  |      | 50  | 120 | 5744.965 | 5725 to 5850 | Pass |
|  |  | 5785 | 20  | 102 | 5784.966 | 5725 to 5850 | Pass |
|  |  |      |     | 120 | 5784.966 | 5725 to 5850 | Pass |
|  |  |      |     | 138 | 5784.965 | 5725 to 5850 | Pass |
|  |  |      | -30 | 120 | 5784.965 | 5725 to 5850 | Pass |
|  |  |      | -20 | 120 | 5784.965 | 5725 to 5850 | Pass |
|  |  |      | -10 | 120 | 5784.965 | 5725 to 5850 | Pass |
|  |  |      | 0   | 120 | 5784.966 | 5725 to 5850 | Pass |
|  |  |      | 10  | 120 | 5784.965 | 5725 to 5850 | Pass |
|  |  |      | 30  | 120 | 5784.965 | 5725 to 5850 | Pass |
|  |  |      | 40  | 120 | 5784.965 | 5725 to 5850 | Pass |
|  |  |      | 50  | 120 | 5784.965 | 5725 to 5850 | Pass |
|  |  | 5825 | 20  | 102 | 5824.965 | 5725 to 5850 | Pass |
|  |  |      |     | 120 | 5824.965 | 5725 to 5850 | Pass |
|  |  |      |     | 138 | 5824.965 | 5725 to 5850 | Pass |
|  |  |      | -30 | 120 | 5824.965 | 5725 to 5850 | Pass |
|  |  |      | -20 | 120 | 5824.965 | 5725 to 5850 | Pass |
|  |  |      | -10 | 120 | 5824.965 | 5725 to 5850 | Pass |
|  |  |      |     |     |          |              |      |

|  |  |      |     |     |          |              |      |
|--|--|------|-----|-----|----------|--------------|------|
|  |  |      | 0   | 120 | 5824.965 | 5725 to 5850 | Pass |
|  |  |      | 10  | 120 | 5824.965 | 5725 to 5850 | Pass |
|  |  |      | 30  | 120 | 5824.964 | 5725 to 5850 | Pass |
|  |  |      | 40  | 120 | 5824.964 | 5725 to 5850 | Pass |
|  |  | 5190 | 50  | 120 | 5824.964 | 5725 to 5850 | Pass |
|  |  |      | 20  | 102 | 5189.969 | 5150 to 5250 | Pass |
|  |  |      |     | 120 | 5189.969 | 5150 to 5250 | Pass |
|  |  |      |     | 138 | 5189.969 | 5150 to 5250 | Pass |
|  |  |      | -30 | 120 | 5189.969 | 5150 to 5250 | Pass |
|  |  |      | -20 | 120 | 5189.969 | 5150 to 5250 | Pass |
|  |  |      | -10 | 120 | 5189.969 | 5150 to 5250 | Pass |
|  |  |      | 0   | 120 | 5189.968 | 5150 to 5250 | Pass |
|  |  |      | 10  | 120 | 5189.968 | 5150 to 5250 | Pass |
|  |  |      | 30  | 120 | 5189.968 | 5150 to 5250 | Pass |
|  |  |      | 40  | 120 | 5189.968 | 5150 to 5250 | Pass |
|  |  |      | 50  | 120 | 5189.968 | 5150 to 5250 | Pass |
|  |  | 5230 | 20  | 102 | 5229.968 | 5150 to 5250 | Pass |
|  |  |      |     | 120 | 5229.968 | 5150 to 5250 | Pass |
|  |  |      |     | 138 | 5229.968 | 5150 to 5250 | Pass |
|  |  |      | -30 | 120 | 5229.968 | 5150 to 5250 | Pass |
|  |  |      | -20 | 120 | 5229.968 | 5150 to 5250 | Pass |
|  |  |      | -10 | 120 | 5229.968 | 5150 to 5250 | Pass |
|  |  |      | 0   | 120 | 5229.968 | 5150 to 5250 | Pass |
|  |  |      | 10  | 120 | 5229.968 | 5150 to 5250 | Pass |
|  |  |      | 30  | 120 | 5229.968 | 5150 to 5250 | Pass |
|  |  |      | 40  | 120 | 5229.968 | 5150 to 5250 | Pass |
|  |  |      | 50  | 120 | 5229.968 | 5150 to 5250 | Pass |
|  |  | 5270 | 20  | 102 | 5269.965 | 5250 to 5350 | Pass |
|  |  |      |     | 120 | 5269.965 | 5250 to 5350 | Pass |
|  |  |      |     | 138 | 5269.965 | 5250 to 5350 | Pass |
|  |  |      | -30 | 120 | 5269.965 | 5250 to 5350 | Pass |
|  |  |      | -20 | 120 | 5269.965 | 5250 to 5350 | Pass |
|  |  |      | -10 | 120 | 5269.965 | 5250 to 5350 | Pass |
|  |  |      | 0   | 120 | 5269.965 | 5250 to 5350 | Pass |
|  |  |      | 10  | 120 | 5269.965 | 5250 to 5350 | Pass |
|  |  |      | 30  | 120 | 5269.965 | 5250 to 5350 | Pass |
|  |  |      | 40  | 120 | 5269.965 | 5250 to 5350 | Pass |
|  |  |      | 50  | 120 | 5269.965 | 5250 to 5350 | Pass |
|  |  | 5310 | 20  | 102 | 5309.965 | 5250 to 5350 | Pass |
|  |  |      |     | 120 | 5309.965 | 5250 to 5350 | Pass |
|  |  |      |     | 138 | 5309.965 | 5250 to 5350 | Pass |
|  |  |      | -30 | 120 | 5309.965 | 5250 to 5350 | Pass |
|  |  |      | -20 | 120 | 5309.965 | 5250 to 5350 | Pass |
|  |  |      | -10 | 120 | 5309.965 | 5250 to 5350 | Pass |
|  |  |      | 0   | 120 | 5309.965 | 5250 to 5350 | Pass |
|  |  |      | 10  | 120 | 5309.965 | 5250 to 5350 | Pass |
|  |  |      | 30  | 120 | 5309.965 | 5250 to 5350 | Pass |
|  |  |      | 40  | 120 | 5309.965 | 5250 to 5350 | Pass |
|  |  |      | 50  | 120 | 5309.965 | 5250 to 5350 | Pass |
|  |  | 5755 | 20  | 102 | 5754.966 | 5725 to 5850 | Pass |
|  |  |      |     | 120 | 5754.967 | 5725 to 5850 | Pass |
|  |  |      |     | 138 | 5754.965 | 5725 to 5850 | Pass |
|  |  |      | -30 | 120 | 5754.965 | 5725 to 5850 | Pass |

|  |  |      |     |     |          |              |      |
|--|--|------|-----|-----|----------|--------------|------|
|  |  |      | -20 | 120 | 5754.965 | 5725 to 5850 | Pass |
|  |  |      | -10 | 120 | 5754.965 | 5725 to 5850 | Pass |
|  |  |      | 0   | 120 | 5754.965 | 5725 to 5850 | Pass |
|  |  |      | 10  | 120 | 5754.965 | 5725 to 5850 | Pass |
|  |  |      | 30  | 120 | 5754.965 | 5725 to 5850 | Pass |
|  |  |      | 40  | 120 | 5754.966 | 5725 to 5850 | Pass |
|  |  |      | 50  | 120 | 5754.965 | 5725 to 5850 | Pass |
|  |  | 5795 | 20  | 102 | 5794.965 | 5725 to 5850 | Pass |
|  |  |      |     | 120 | 5794.964 | 5725 to 5850 | Pass |
|  |  |      |     | 138 | 5794.965 | 5725 to 5850 | Pass |
|  |  |      | -30 | 120 | 5794.965 | 5725 to 5850 | Pass |
|  |  |      | -20 | 120 | 5794.964 | 5725 to 5850 | Pass |
|  |  |      | -10 | 120 | 5794.964 | 5725 to 5850 | Pass |
|  |  |      | 0   | 120 | 5794.964 | 5725 to 5850 | Pass |
|  |  |      | 10  | 120 | 5794.964 | 5725 to 5850 | Pass |
|  |  |      | 30  | 120 | 5794.964 | 5725 to 5850 | Pass |
|  |  |      | 40  | 120 | 5794.964 | 5725 to 5850 | Pass |
|  |  |      | 50  | 120 | 5794.964 | 5725 to 5850 | Pass |
|  |  | 5210 | 20  | 102 | 5209.968 | 5150 to 5250 | Pass |
|  |  |      |     | 120 | 5209.968 | 5150 to 5250 | Pass |
|  |  |      |     | 138 | 5209.968 | 5150 to 5250 | Pass |
|  |  |      | -30 | 120 | 5209.968 | 5150 to 5250 | Pass |
|  |  |      | -20 | 120 | 5209.968 | 5150 to 5250 | Pass |
|  |  |      | -10 | 120 | 5209.968 | 5150 to 5250 | Pass |
|  |  |      | 0   | 120 | 5209.968 | 5150 to 5250 | Pass |
|  |  |      | 10  | 120 | 5209.968 | 5150 to 5250 | Pass |
|  |  |      | 30  | 120 | 5209.968 | 5150 to 5250 | Pass |
|  |  |      | 40  | 120 | 5209.968 | 5150 to 5250 | Pass |
|  |  |      | 50  | 120 | 5209.968 | 5150 to 5250 | Pass |
|  |  | 5290 | 20  | 102 | 5289.965 | 5250 to 5350 | Pass |
|  |  |      |     | 120 | 5289.965 | 5250 to 5350 | Pass |
|  |  |      |     | 138 | 5289.965 | 5250 to 5350 | Pass |
|  |  |      | -30 | 120 | 5289.965 | 5250 to 5350 | Pass |
|  |  |      | -20 | 120 | 5289.965 | 5250 to 5350 | Pass |
|  |  |      | -10 | 120 | 5289.965 | 5250 to 5350 | Pass |
|  |  |      | 0   | 120 | 5289.965 | 5250 to 5350 | Pass |
|  |  |      | 10  | 120 | 5289.965 | 5250 to 5350 | Pass |
|  |  |      | 30  | 120 | 5289.965 | 5250 to 5350 | Pass |
|  |  |      | 40  | 120 | 5289.965 | 5250 to 5350 | Pass |
|  |  |      | 50  | 120 | 5289.964 | 5250 to 5350 | Pass |
|  |  | 5775 | 20  | 102 | 5774.965 | 5725 to 5850 | Pass |
|  |  |      |     | 120 | 5774.965 | 5725 to 5850 | Pass |
|  |  |      |     | 138 | 5774.965 | 5725 to 5850 | Pass |
|  |  |      | -30 | 120 | 5774.965 | 5725 to 5850 | Pass |
|  |  |      | -20 | 120 | 5774.965 | 5725 to 5850 | Pass |
|  |  |      | -10 | 120 | 5774.965 | 5725 to 5850 | Pass |
|  |  |      | 0   | 120 | 5774.964 | 5725 to 5850 | Pass |
|  |  |      | 10  | 120 | 5774.965 | 5725 to 5850 | Pass |
|  |  |      | 30  | 120 | 5774.965 | 5725 to 5850 | Pass |
|  |  |      | 40  | 120 | 5774.965 | 5725 to 5850 | Pass |
|  |  |      | 50  | 120 | 5774.965 | 5725 to 5850 | Pass |

## 6. Form731

### 6.1 Form731

#### 6.1.1 Test Result

| Lower Freq (MHz) | High Freq (MHz) | MAX Power (W) | MAX Power (dBm) |
|------------------|-----------------|---------------|-----------------|
| 5180             | 5240            | 0.0290        | 14.63           |
| 5745             | 5825            | 0.0337        | 15.28           |
| 5190             | 5230            | 0.0293        | 14.67           |
| 5755             | 5795            | 0.0329        | 15.17           |
| 5260             | 5320            | 0.0330        | 15.18           |
| 5270             | 5310            | 0.0325        | 15.12           |
| 5210             | 5210            | 0.0291        | 14.64           |



Test Report Number: BTF230713R00604



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**-- END OF REPORT --**