



## Appendix A

### RF Test Data for BT (Conducted Measurement)

Product Name: BLXBuds

Test Model: 30888

#### Environmental Conditions

|                    |           |
|--------------------|-----------|
| Temperature:       | 23.8° C   |
| Relative Humidity: | 52.2%     |
| ATM Pressure:      | 100.0 kPa |
| Test Engineer:     | Ling Zhu  |
|                    | Ling Zhu  |
| Supervised by:     | Li huan   |
|                    | Li huan   |





## A.1 20dB Emission Bandwidth

### Test Result

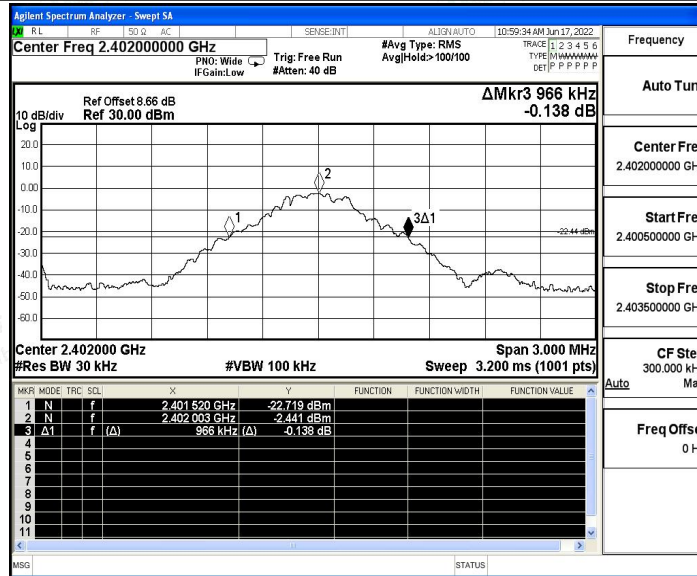
| TestMode | Antenna | Channel | 20db EBW[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|----------|---------|---------|---------------|----------|----------|------------|---------|
| DH5      | Ant1    | 2402    | 0.966         | 2401.520 | 2402.486 | N/A        | PASS    |
|          |         | 2441    | 0.960         | 2440.523 | 2441.483 | N/A        | PASS    |
|          |         | 2480    | 0.966         | 2479.520 | 2480.486 | N/A        | PASS    |
| 2DH5     | Ant1    | 2402    | 1.287         | 2401.358 | 2402.645 | N/A        | PASS    |
|          |         | 2441    | 1.314         | 2440.331 | 2441.645 | N/A        | PASS    |
|          |         | 2480    | 1.314         | 2479.331 | 2480.645 | N/A        | PASS    |



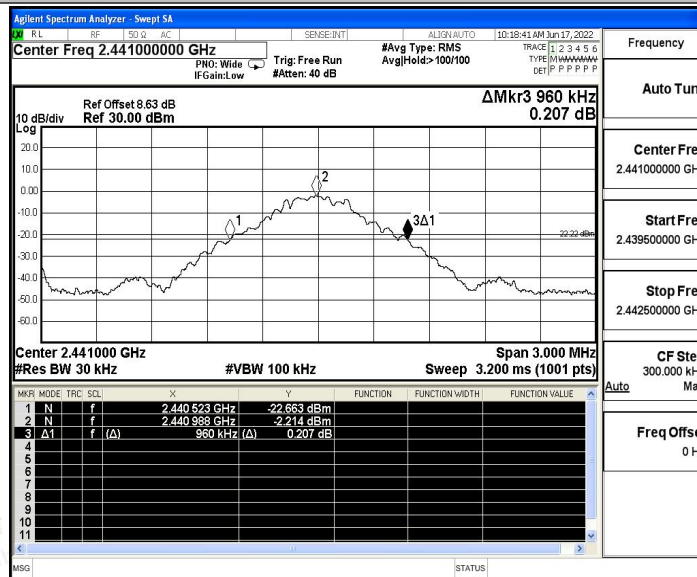


## Test Graphs

DH5\_Ant1\_2402



DH5\_Ant1\_2441



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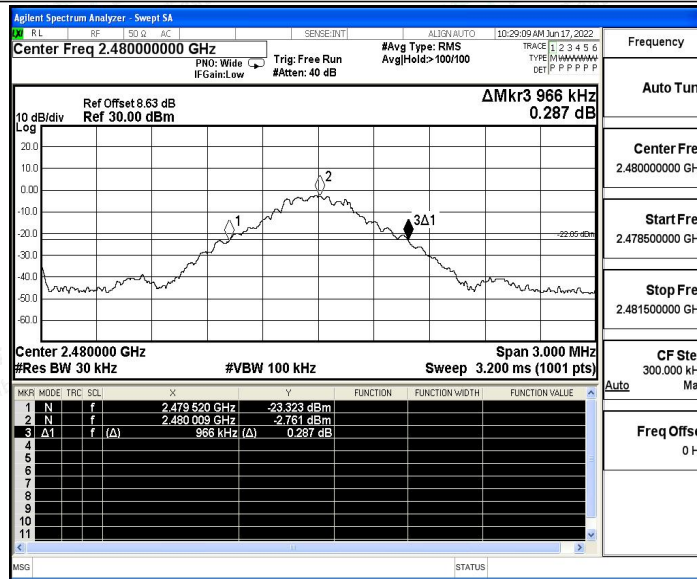
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

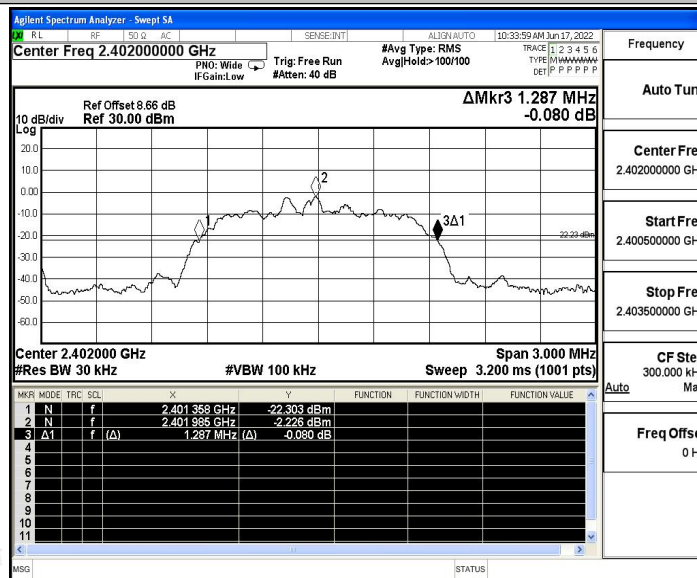
Scan code to check authenticity



## DH5\_Ant1\_2480



## 2DH5\_Ant1\_2402



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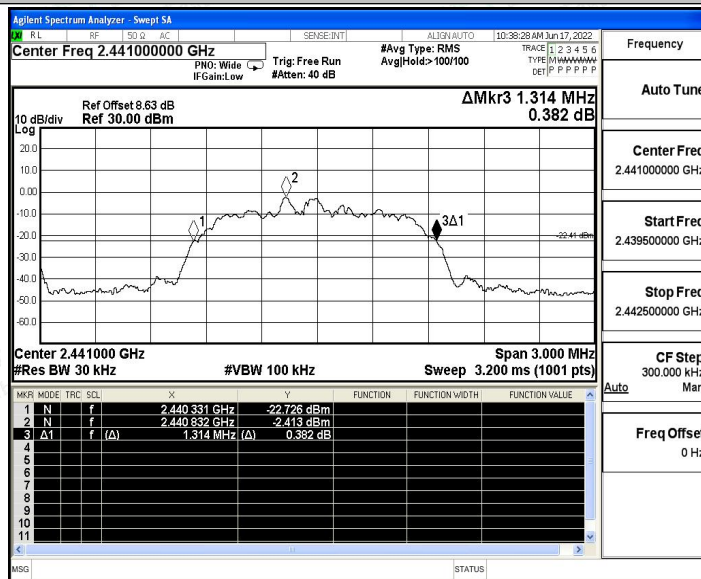
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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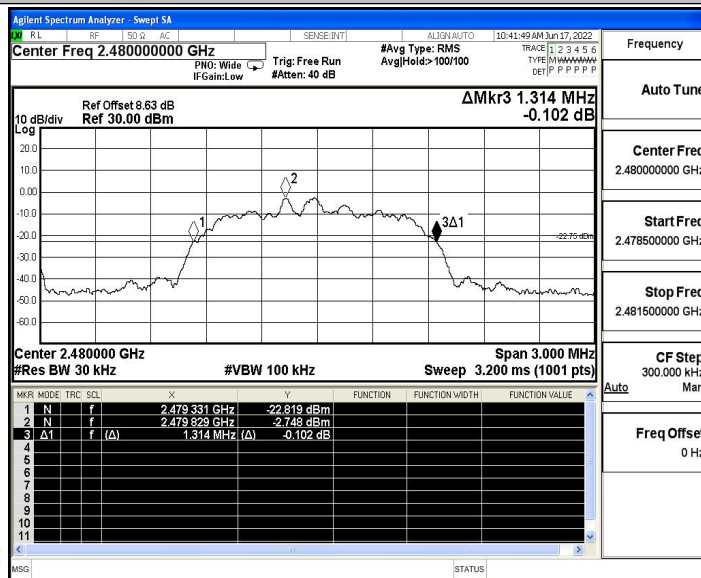
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## 2DH5\_Ant1\_2441



## 2DH5\_Ant1\_2480



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## A.2 Occupied Channel Bandwidth

### Test Result

| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz]  | FH[MHz]  |
|----------|---------|---------|-----------|----------|----------|
| DH5      | Ant1    | 2402    | 0.85633   | 2401.556 | 2402.412 |
|          |         | 2441    | 0.85808   | 2440.558 | 2441.417 |
|          |         | 2480    | 0.87206   | 2479.553 | 2480.425 |
| 2DH5     | Ant1    | 2402    | 1.1910    | 2401.397 | 2402.588 |
|          |         | 2441    | 1.1906    | 2440.394 | 2441.585 |
|          |         | 2480    | 1.1999    | 2479.390 | 2480.590 |



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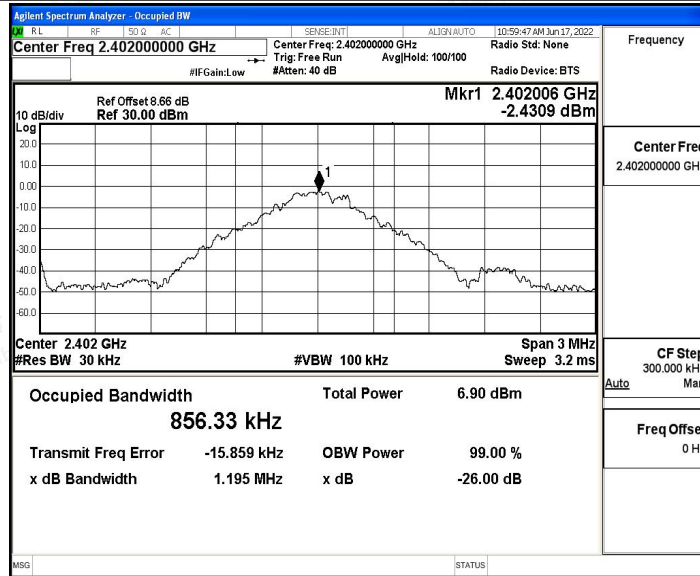
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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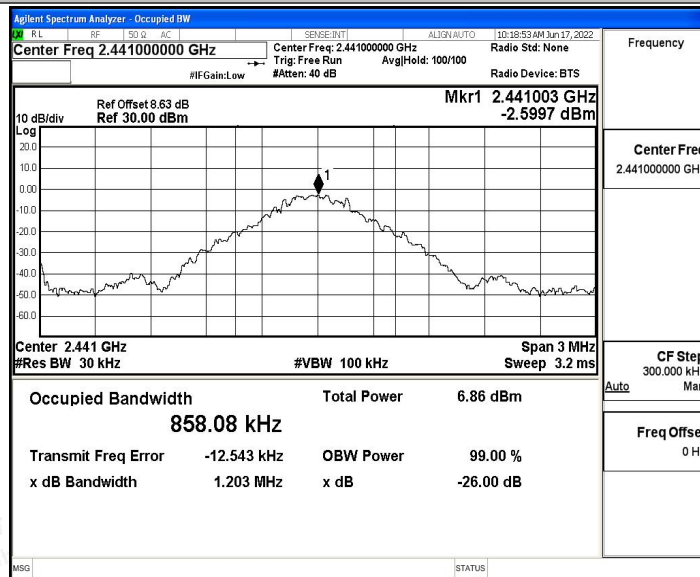


## Test Graphs

DH5\_Ant1\_2402



DH5\_Ant1\_2441



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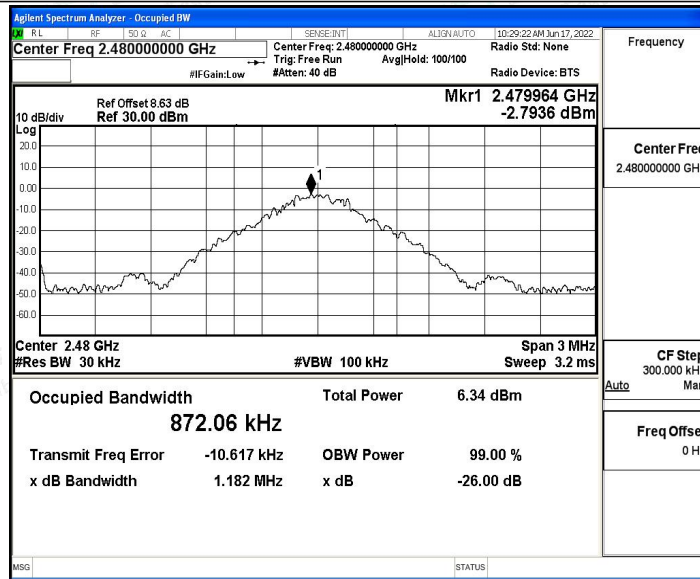
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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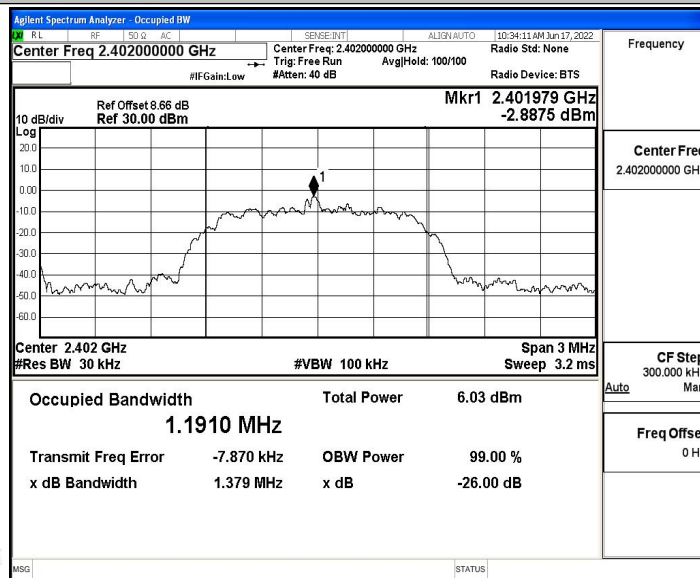
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## DH5\_Ant1\_2480



## 2DH5\_Ant1\_2402



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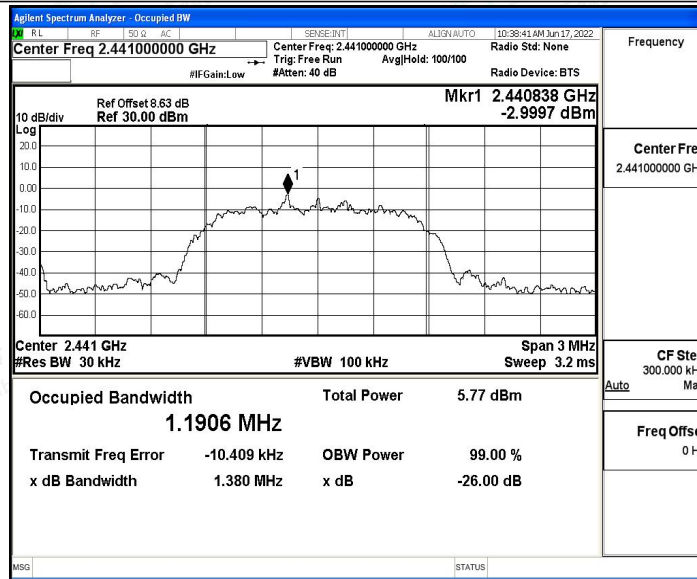
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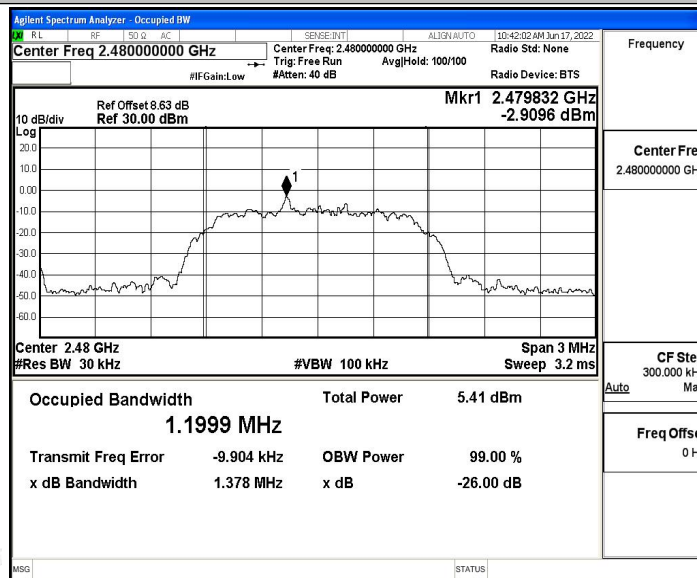
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## 2DH5\_Ant1\_2441



## 2DH5\_Ant1\_2480



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### A.3 Maximum conducted output power

#### Test Result

| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| DH5      | Ant1    | 2402    | -1.55       | ≤20.97     | PASS    |
|          |         | 2441    | 0.52        | ≤20.97     | PASS    |
|          |         | 2480    | 0.17        | ≤20.97     | PASS    |
| 2DH5     | Ant1    | 2402    | 1.36        | ≤20.97     | PASS    |
|          |         | 2441    | 1.34        | ≤20.97     | PASS    |
|          |         | 2480    | 0.95        | ≤20.97     | PASS    |



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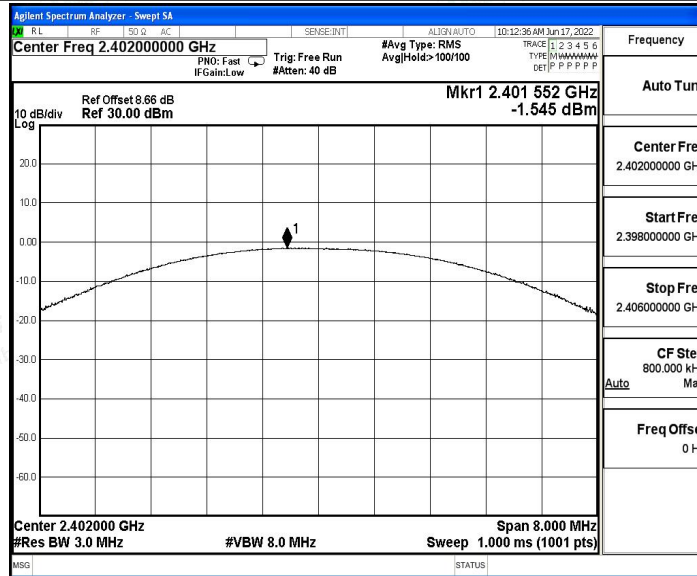
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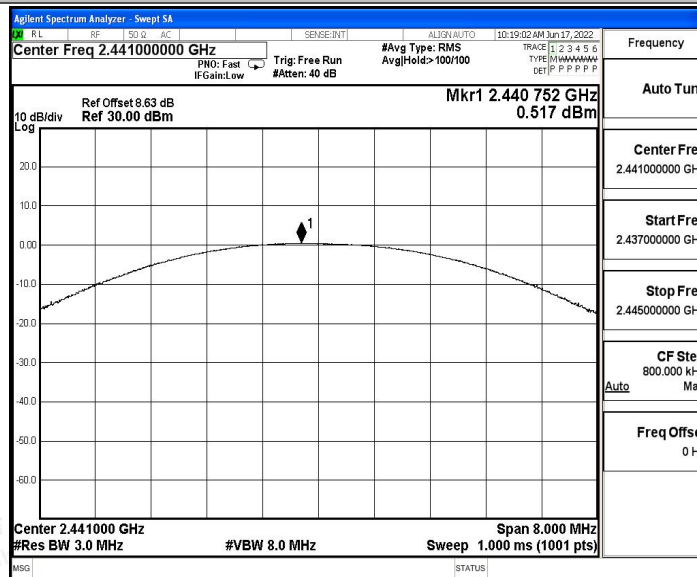


## Test Graphs

DH5\_Ant1\_2402



DH5\_Ant1\_2441



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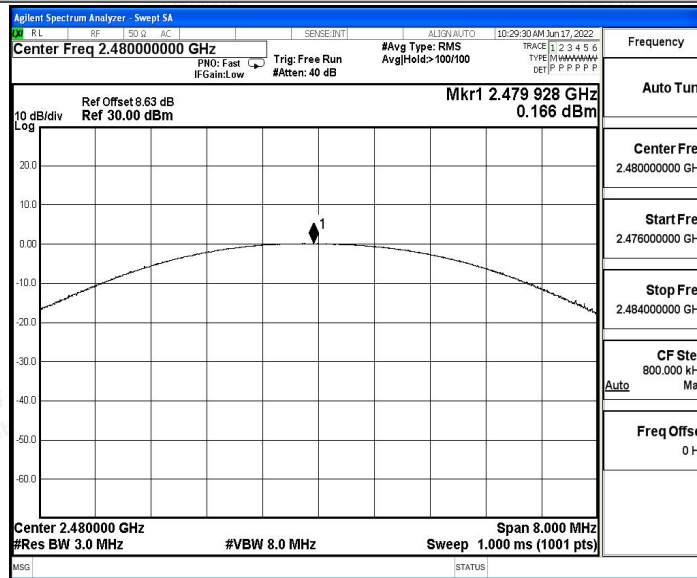
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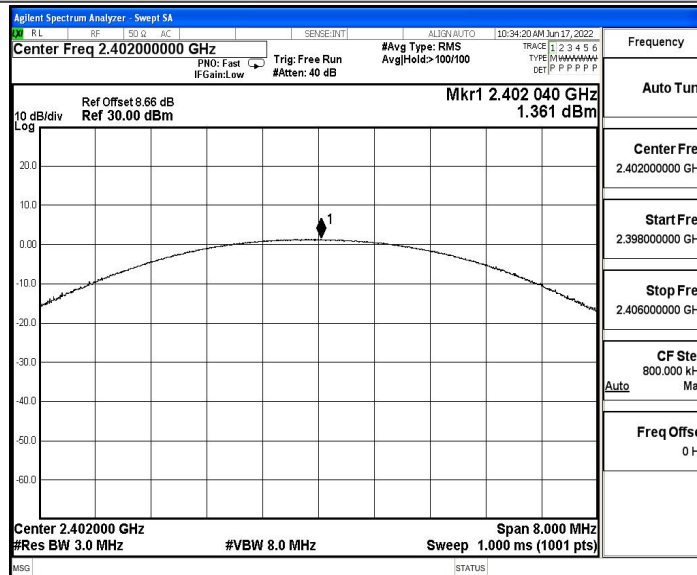
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## DH5\_Ant1\_2480



## 2DH5\_Ant1\_2402



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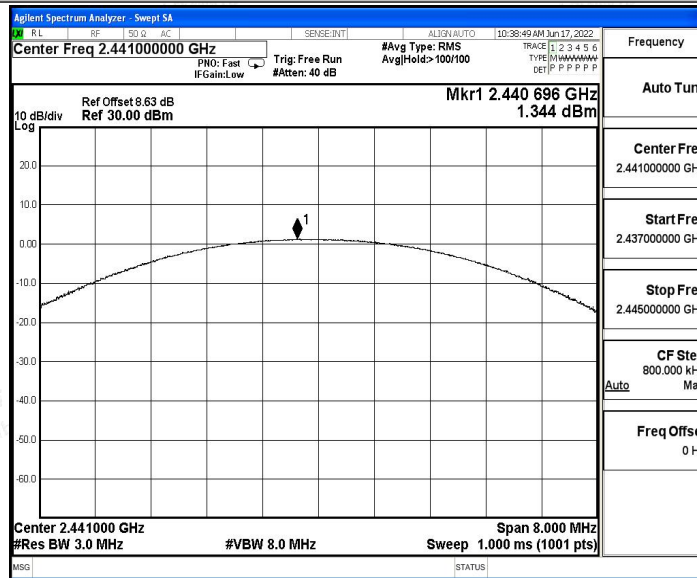
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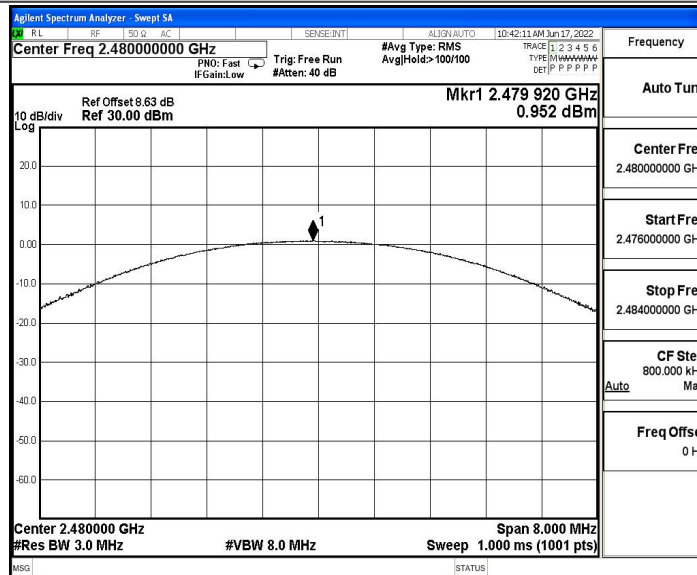
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## 2DH5\_Ant1\_2441



## 2DH5\_Ant1\_2480



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## A.4 Carrier frequencies separation

### Test Result

| TestMode | Antenna | Channel | Result[MHz] | Limit[MHz]   | Verdict |
|----------|---------|---------|-------------|--------------|---------|
| DH5      | Ant1    | Hop     | 0.946       | $\geq 0.784$ | PASS    |
| 2DH5     | Ant1    | Hop     | 1.064       | $\geq 0.876$ | PASS    |



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## Test Graphs



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## A.5 Time of occupancy

### Test Result

| TestMode | Antenna | Channel | BurstWidth<br>[ms] | TotalHops<br>[Num] | Result[s] | Limit[s] | Verdict |
|----------|---------|---------|--------------------|--------------------|-----------|----------|---------|
| DH5      | Ant1    | Hop     | 2.88               | 106.67             | 0.308     | ≤0.4     | PASS    |
| 2DH5     | Ant1    | Hop     | 2.89               | 106.67             | 0.308     | ≤0.4     | PASS    |



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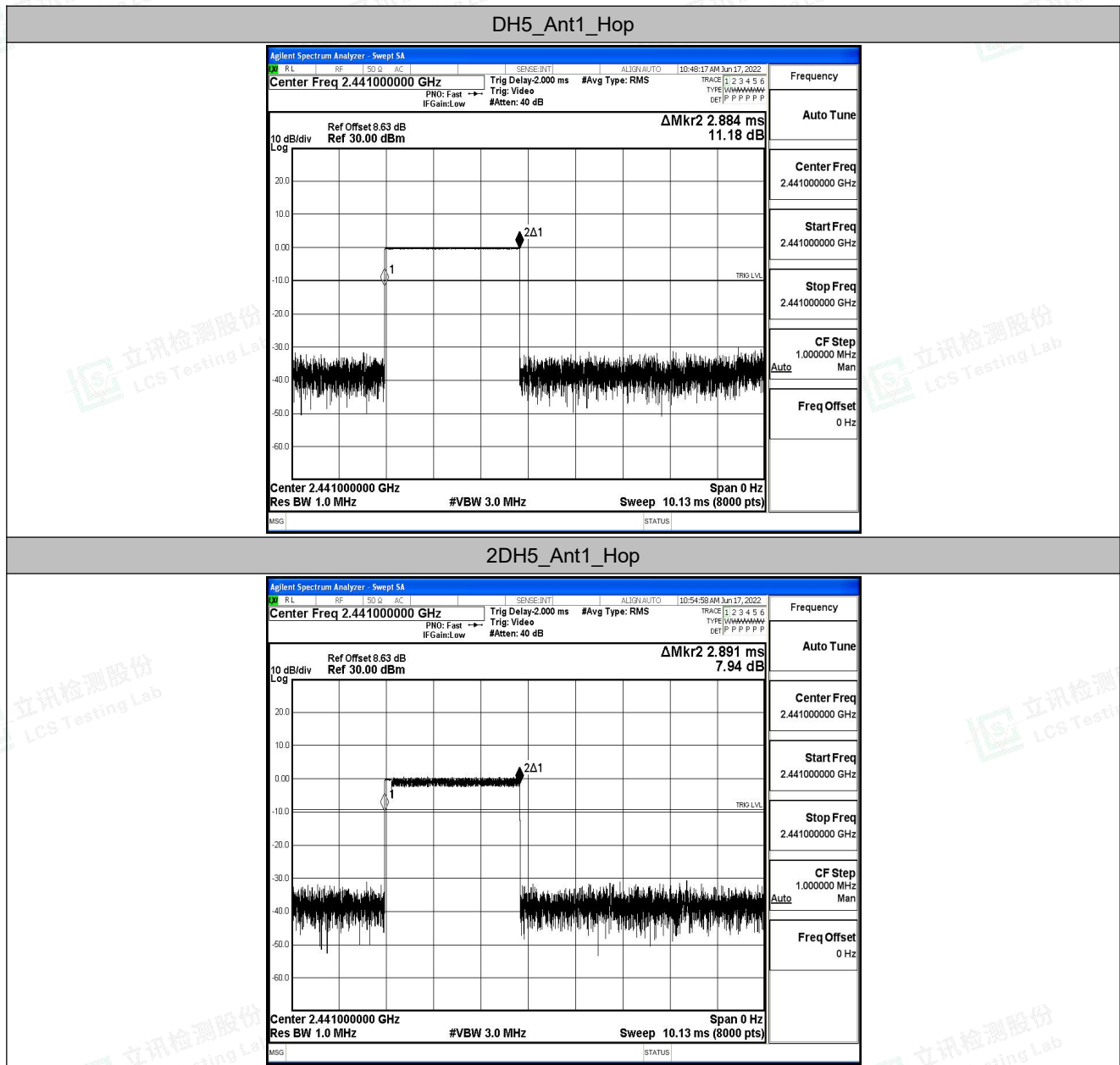
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## Test Graphs



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## A.6 Number of hopping channel

### Test Result

| TestMode | Antenna | Channel | Result[Num] | Limit[Num] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| DH5      | Ant1    | Hop     | 79          | ≥15        | PASS    |
| 2DH5     | Ant1    | Hop     | 79          | ≥15        | PASS    |



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## Test Graphs



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## A.7 Band edge measurements

### Test Result

| TestMode | Antenna | ChName | Channel  | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|--------|----------|-------------------|-----------------|----------------|---------|
| DH5      | Ant1    | Low    | 2402     | -2.14             | -38.92          | $\leq -22.14$  | PASS    |
|          |         | High   | 2480     | -0.46             | -55.32          | $\leq -20.46$  | PASS    |
|          |         | Low    | Hop_2402 | -0.48             | -57.25          | $\leq -20.48$  | PASS    |
|          |         | High   | Hop_2480 | -0.51             | -56.72          | $\leq -20.51$  | PASS    |
| 2DH5     | Ant1    | Low    | 2402     | -0.29             | -34.04          | $\leq -20.29$  | PASS    |
|          |         | High   | 2480     | -0.37             | -56.61          | $\leq -20.37$  | PASS    |
|          |         | Low    | Hop_2402 | -4.46             | -57.59          | $\leq -24.46$  | PASS    |
|          |         | High   | Hop_2480 | -1.33             | -57.06          | $\leq -21.33$  | PASS    |



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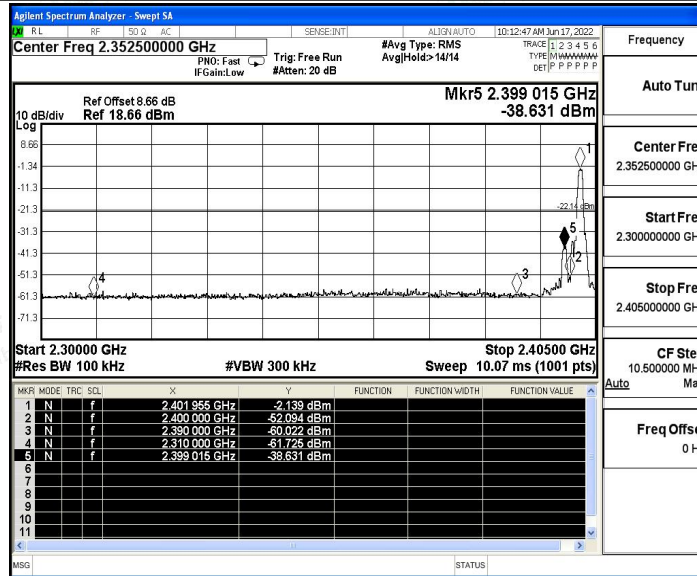
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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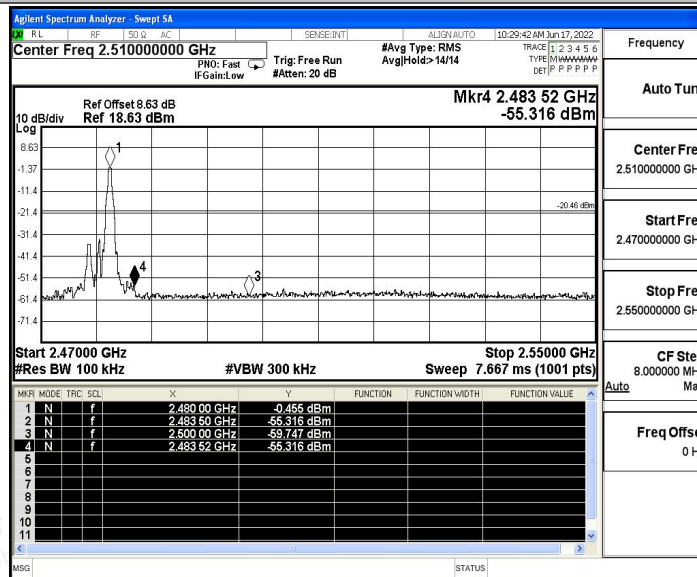


## Test Graphs

DH5\_Ant1\_Low\_2402



DH5\_Ant1\_High\_2480



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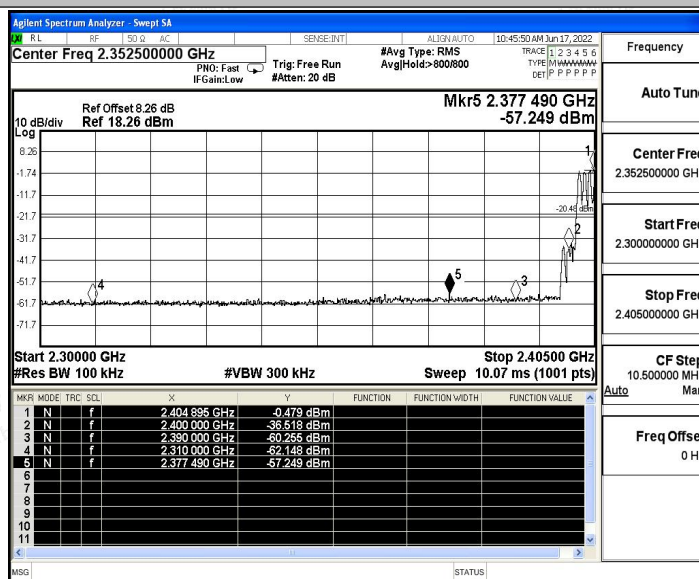
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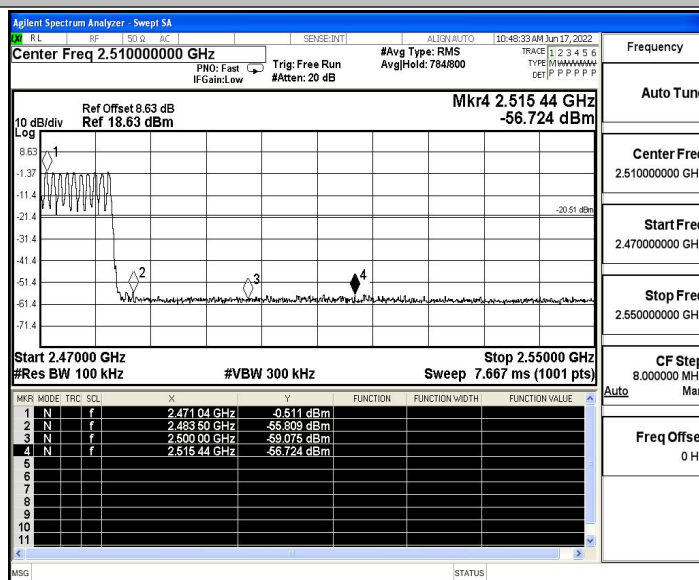
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## DH5\_Ant1\_Low\_Hop\_2402



## DH5\_Ant1\_High\_Hop\_2480



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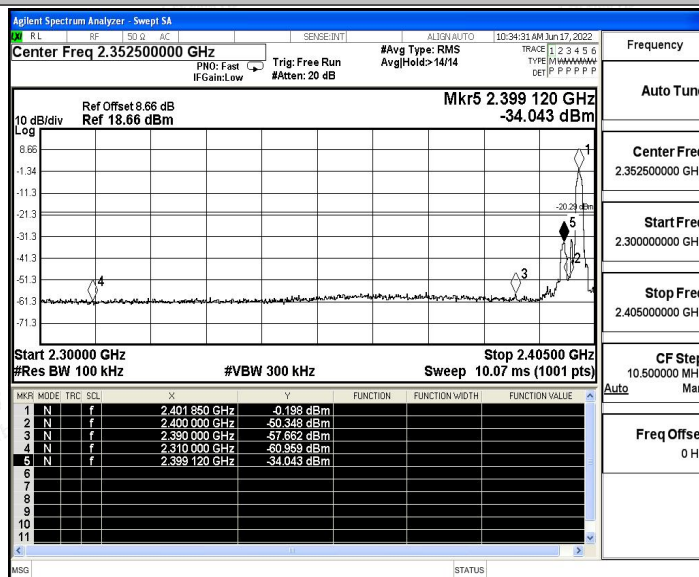
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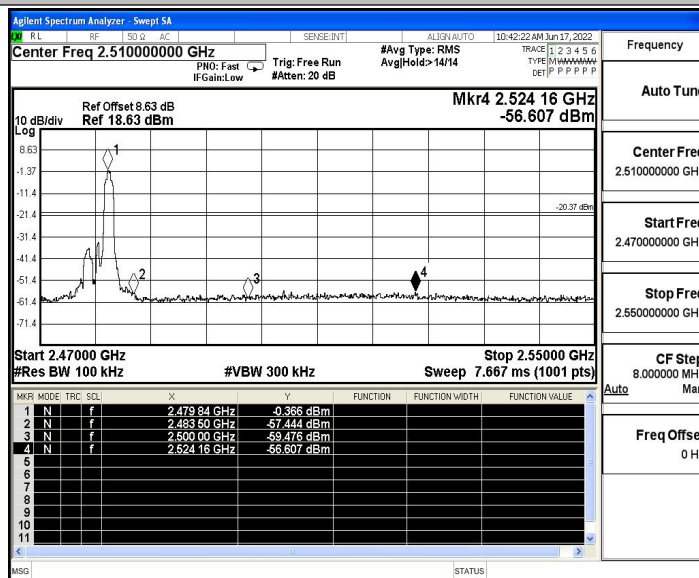
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## 2DH5\_Ant1\_Low\_2402



## 2DH5\_Ant1\_High\_2480



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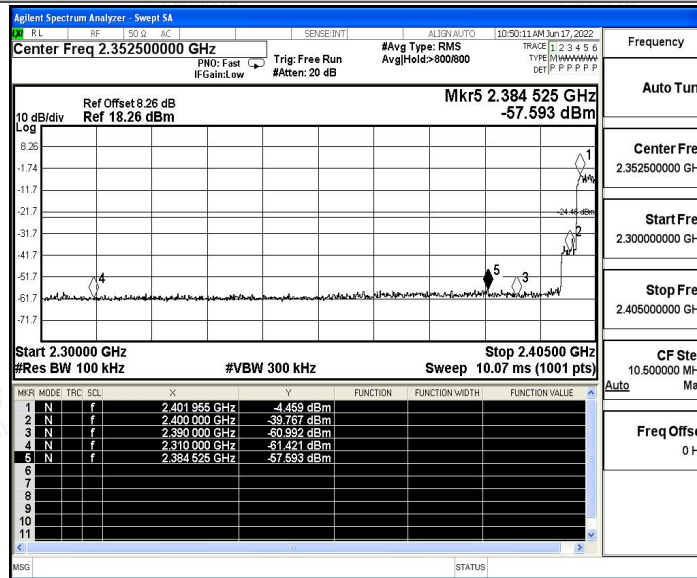
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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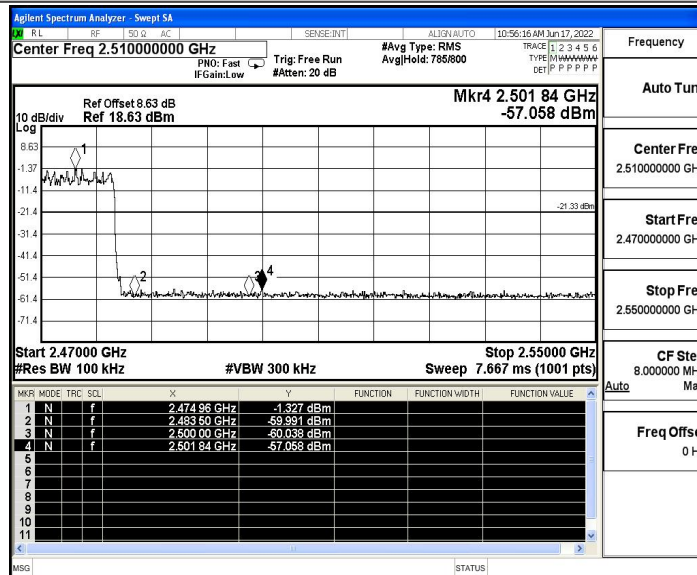
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## 2DH5\_Ant1\_Low\_Hop\_2402



## 2DH5\_Ant1\_High\_Hop\_2480



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## A.8 Conducted Spurious Emission

### Test Result

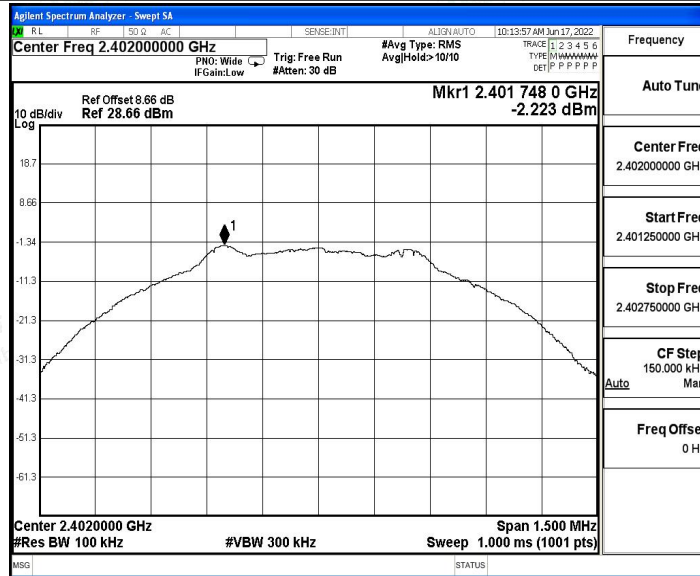
| TestMode | Antenna | Channel | FreqRange<br>[MHz] | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|---------|--------------------|-------------------|-----------------|----------------|---------|
| DH5      | Ant1    | 2402    | Reference          | -2.22             | -2.22           | ---            | PASS    |
|          |         |         | 30~1000            | -2.22             | -55.41          | $\leq -22.22$  | PASS    |
|          |         |         | 1000~26500         | -2.22             | -35.48          | $\leq -22.22$  | PASS    |
|          |         | 2441    | Reference          | -0.22             | -0.22           | ---            | PASS    |
|          |         |         | 30~1000            | -0.22             | -55.67          | $\leq -20.22$  | PASS    |
|          |         |         | 1000~26500         | -0.22             | -31.29          | $\leq -20.22$  | PASS    |
|          |         | 2480    | Reference          | -0.50             | -0.50           | ---            | PASS    |
|          |         |         | 30~1000            | -0.50             | -52.87          | $\leq -20.5$   | PASS    |
|          |         |         | 1000~26500         | -0.50             | -31.2           | $\leq -20.5$   | PASS    |
| 2DH5     | Ant1    | 2402    | Reference          | -0.01             | -0.01           | ---            | PASS    |
|          |         |         | 30~1000            | -0.01             | -55.58          | $\leq -20.01$  | PASS    |
|          |         |         | 1000~26500         | -0.01             | -34.78          | $\leq -20.01$  | PASS    |
|          |         | 2441    | Reference          | -0.09             | -0.09           | ---            | PASS    |
|          |         |         | 30~1000            | -0.09             | -51.93          | $\leq -20.09$  | PASS    |
|          |         |         | 1000~26500         | -0.09             | -31.01          | $\leq -20.09$  | PASS    |
|          |         | 2480    | Reference          | -0.34             | -0.34           | ---            | PASS    |
|          |         |         | 30~1000            | -0.34             | -55.41          | $\leq -20.34$  | PASS    |
|          |         |         | 1000~26500         | -0.34             | -31.22          | $\leq -20.34$  | PASS    |



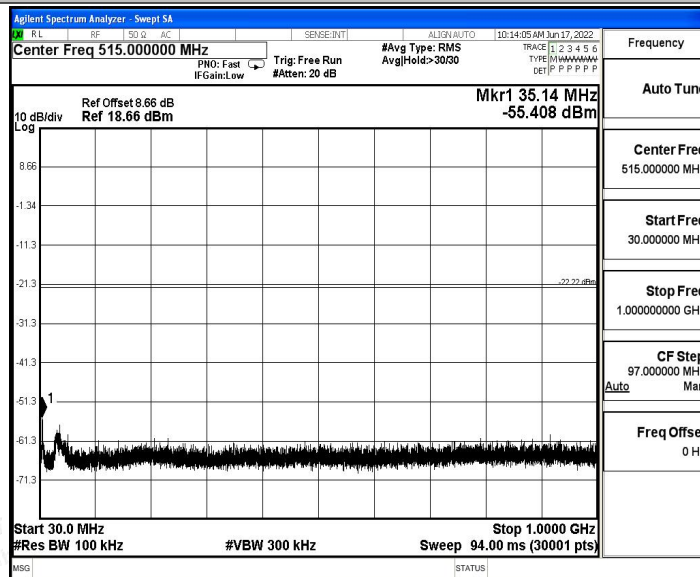


## Test Graphs

DH5\_Ant1\_2402\_0~Reference



DH5\_Ant1\_2402\_30~1000



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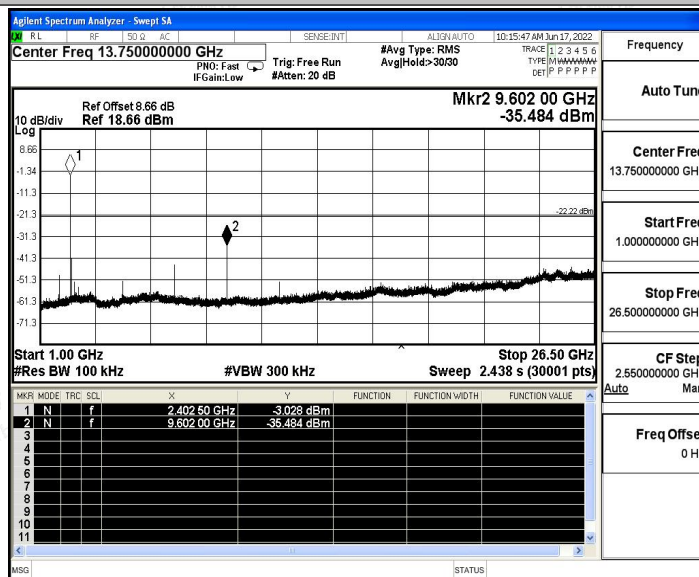
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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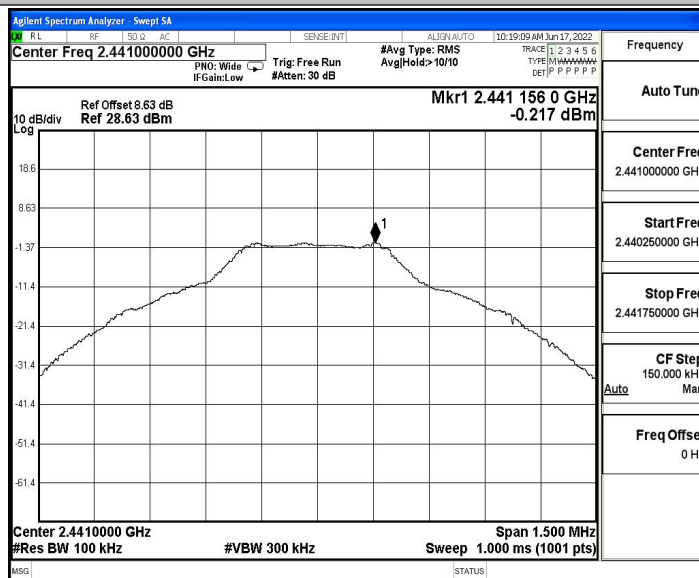
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## DH5\_Ant1\_2402\_1000~26500



## DH5\_Ant1\_2441\_0~Reference



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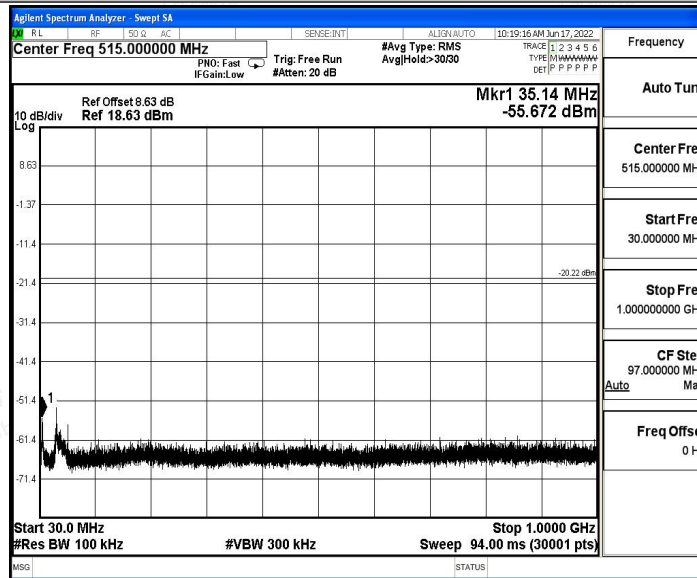
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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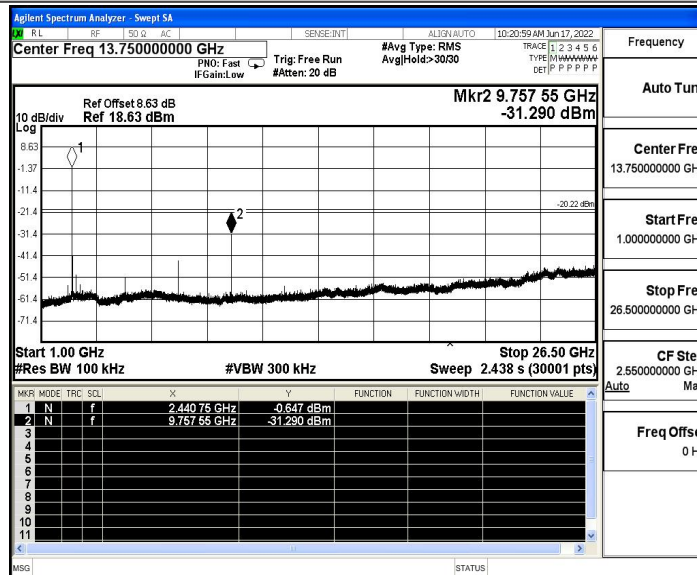
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## DH5\_Ant1\_2441\_30~1000



## DH5\_Ant1\_2441\_1000~26500



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