

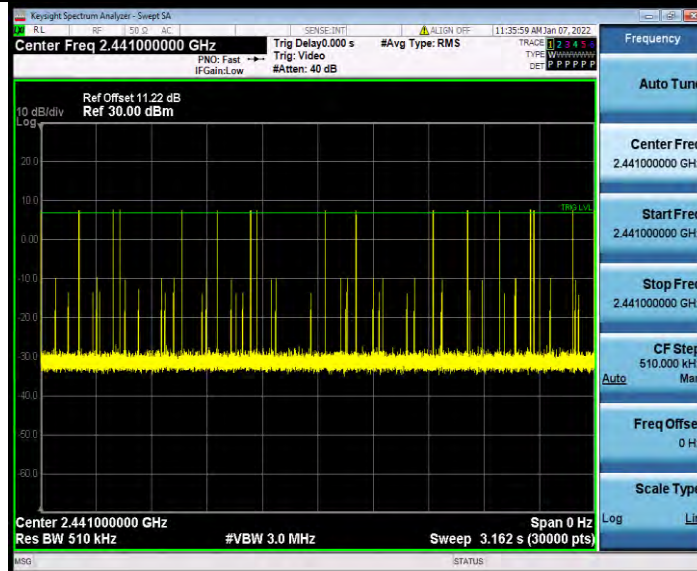


BUREAU VERITAS

# Test Report No.: W7L-P21120037RF01



DH3\_Ant1\_Hop

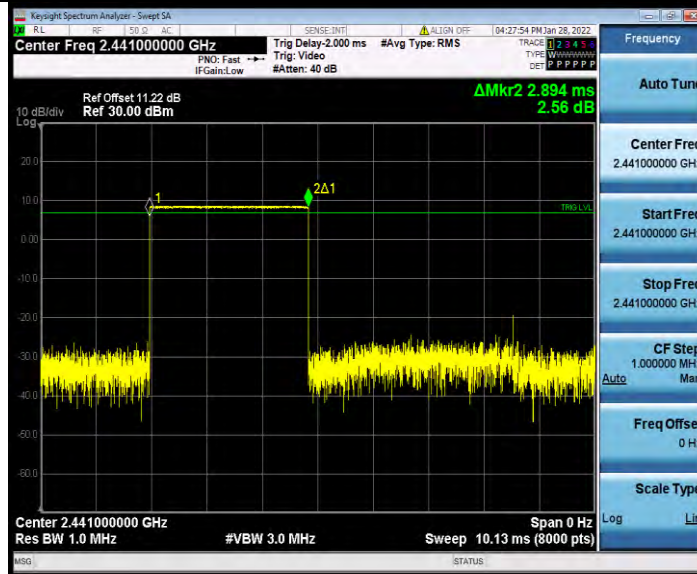


DH3\_Ant1\_Hop

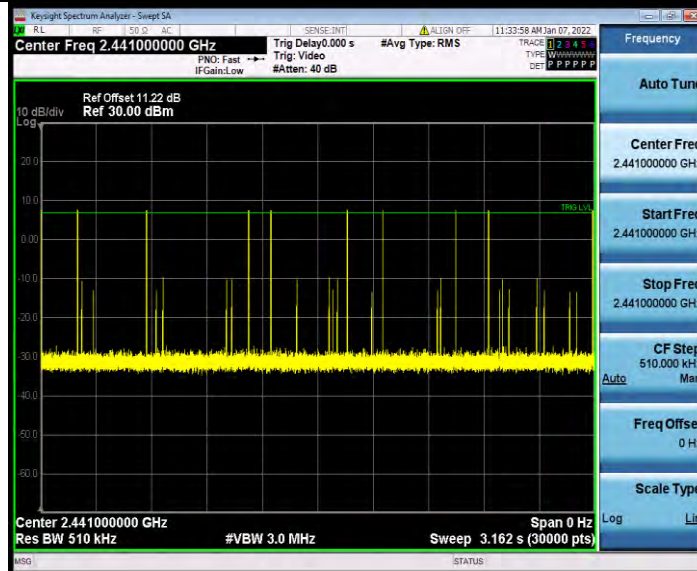


BUREAU VERITAS

# Test Report No.: W7L-P21120037RF01



DH5\_Ant1\_Hop



DH5\_Ant1\_Hop

BV 7Layers Communications Technology (Shenzhen) Co. Ltd

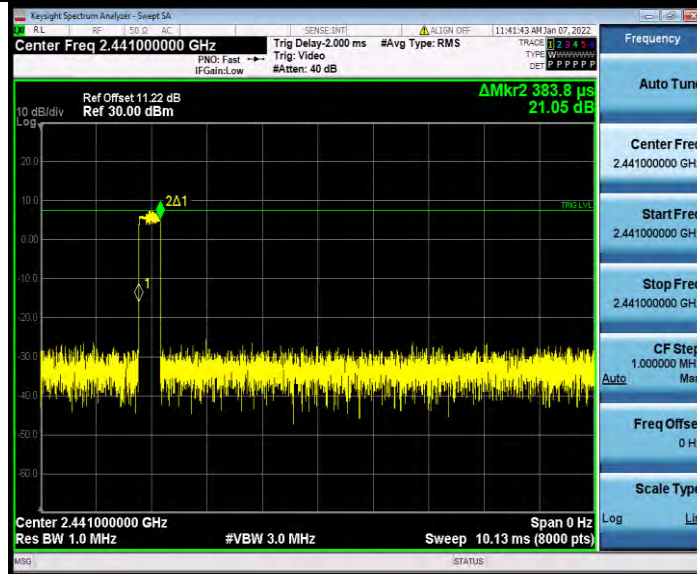
No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)

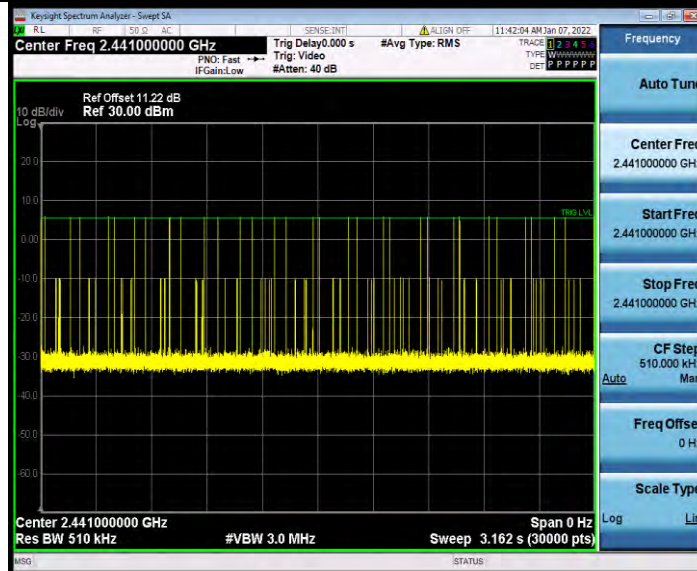


BUREAU VERITAS

# Test Report No.: W7L-P21120037RF01



2DH1\_Ant1\_Hop



2DH1\_Ant1\_Hop

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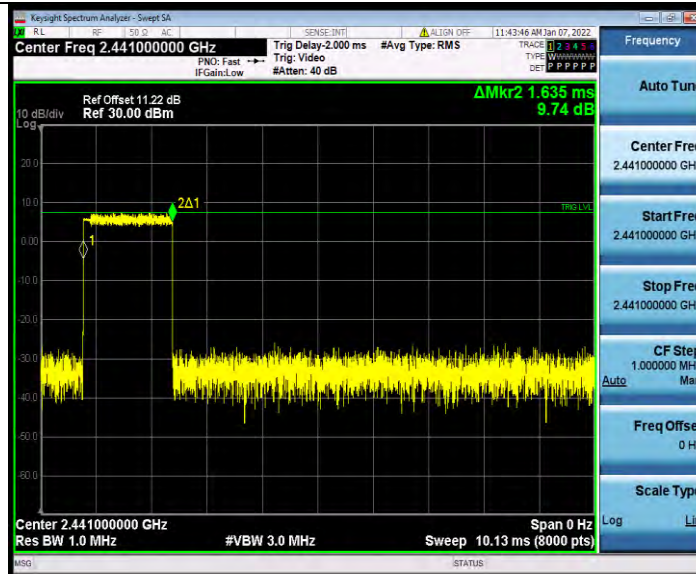
No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)

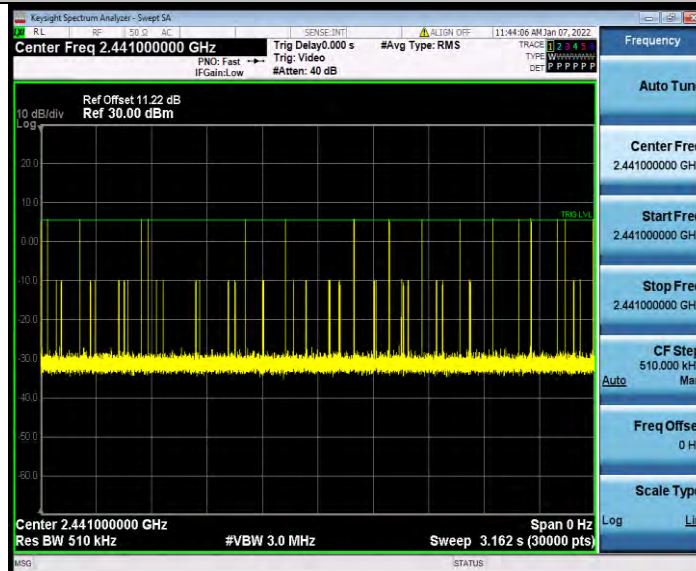


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# Test Report No.: W7L-P21120037RF01



2DH3\_Ant1\_Hop



2DH3\_Ant1\_Hop

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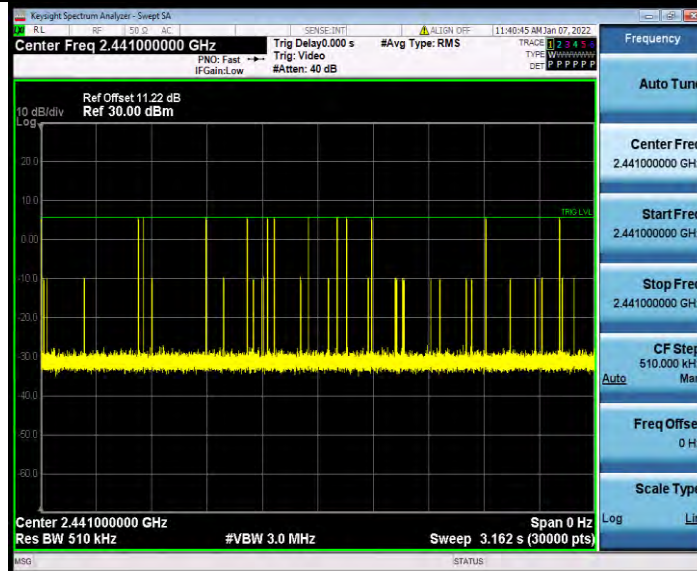


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# Test Report No.: W7L-P21120037RF01



2DH5\_Ant1\_Hop



2DH5\_Ant1\_Hop

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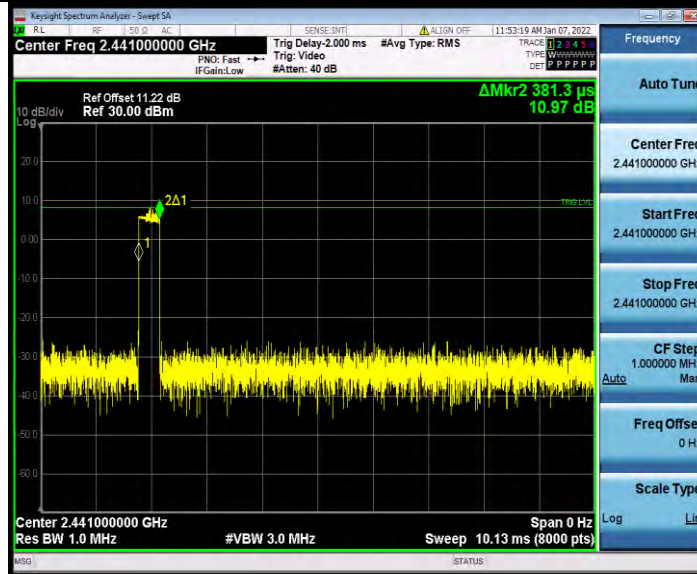
No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China

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Fax: +86 755 8869 6577  
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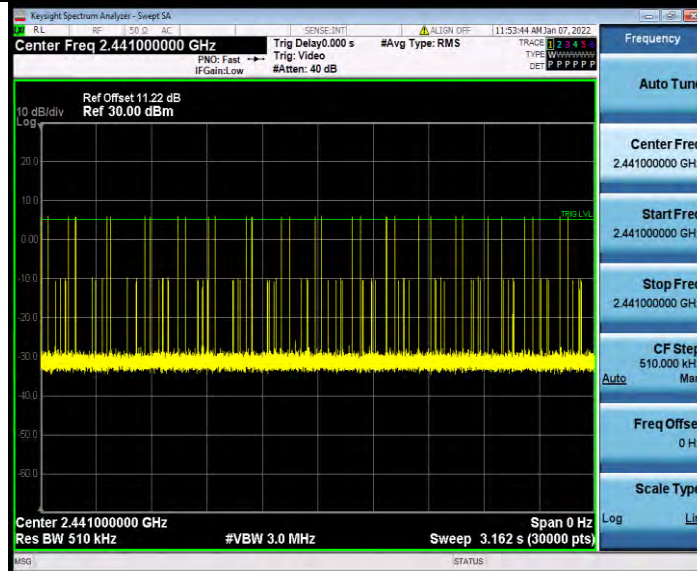


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# Test Report No.: W7L-P21120037RF01



3DH1\_Ant1\_Hop



3DH1\_Ant1\_Hop

BV 7Layers Communications Technology (Shenzhen) Co. Ltd

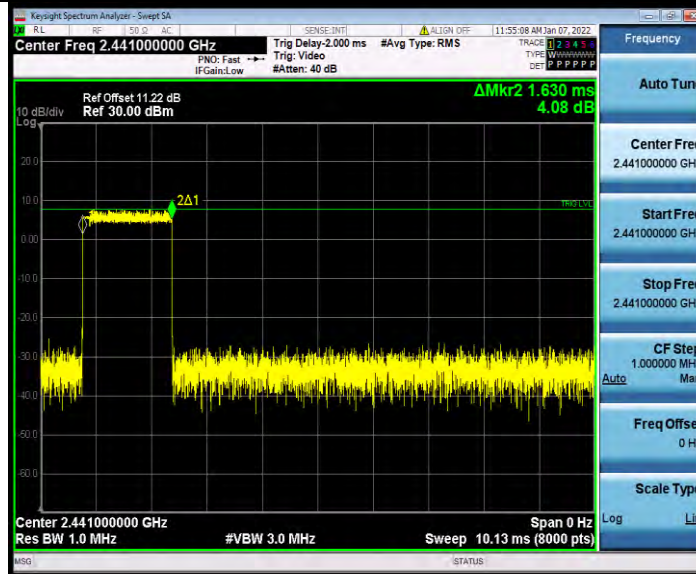
No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China

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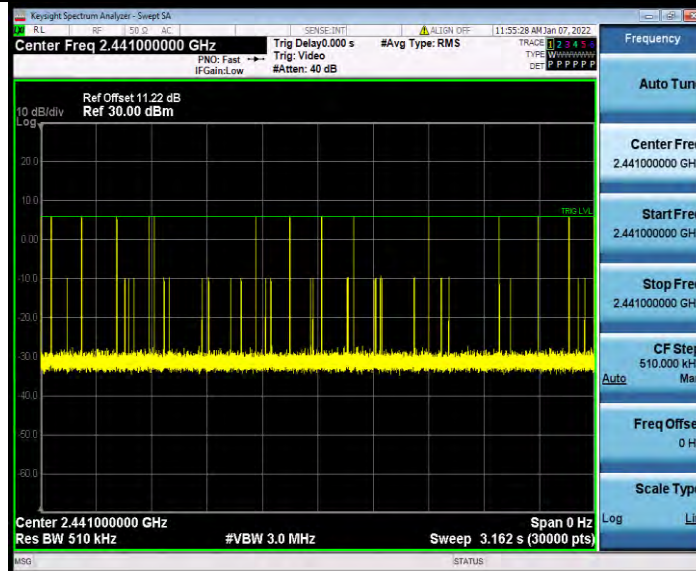


BUREAU VERITAS

# Test Report No.: W7L-P21120037RF01



3DH3\_Ant1\_Hop



3DH3\_Ant1\_Hop

BV 7Layers Communications Technology (Shenzhen) Co. Ltd

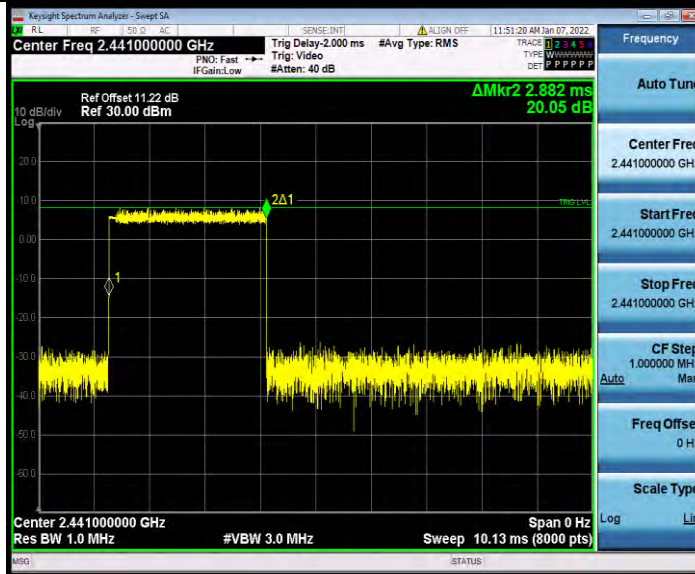
No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China

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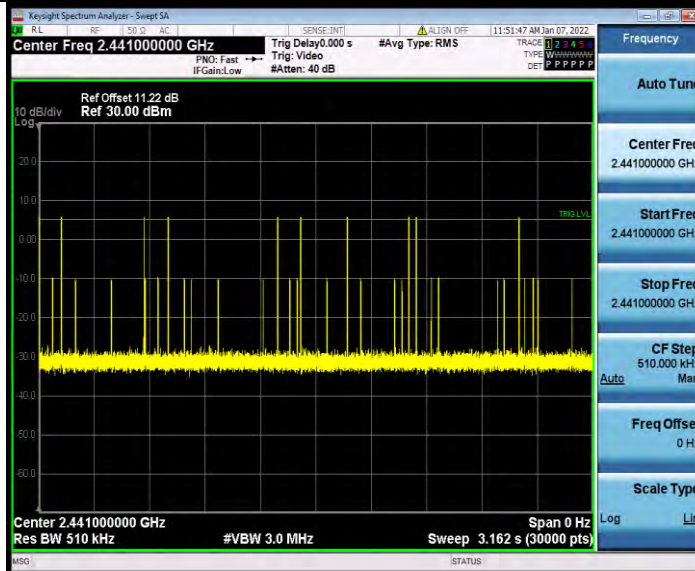


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# Test Report No.: W7L-P21120037RF01



3DH5\_Ant1\_Hop



3DH5\_Ant1\_Hop

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Test Report No.: W7L-P21120037RF01

## NUMBER OF HOPPING CHANNELS

### TEST RESULT

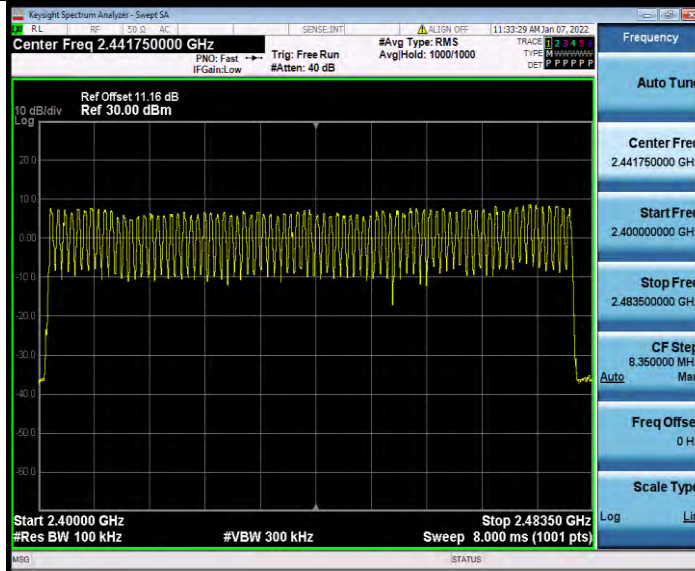
| TestMode | Antenna | Channel | Result[Num] | Limit[Num] | Verdict |
|----------|---------|---------|-------------|------------|---------|
| DH5      | Ant1    | Hop     | 79          | ≥15        | PASS    |
| 2DH5     | Ant1    | Hop     | 79          | ≥15        | PASS    |
| 3DH5     | Ant1    | Hop     | 79          | ≥15        | PASS    |



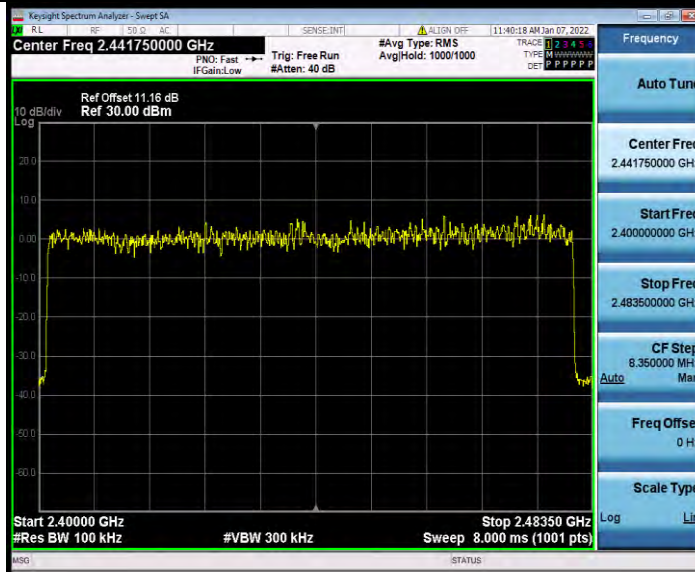
BUREAU VERITAS

Test Report No.: W7L-P21120037RF01

### TEST GRAPHS



DH5\_Ant1\_Hop

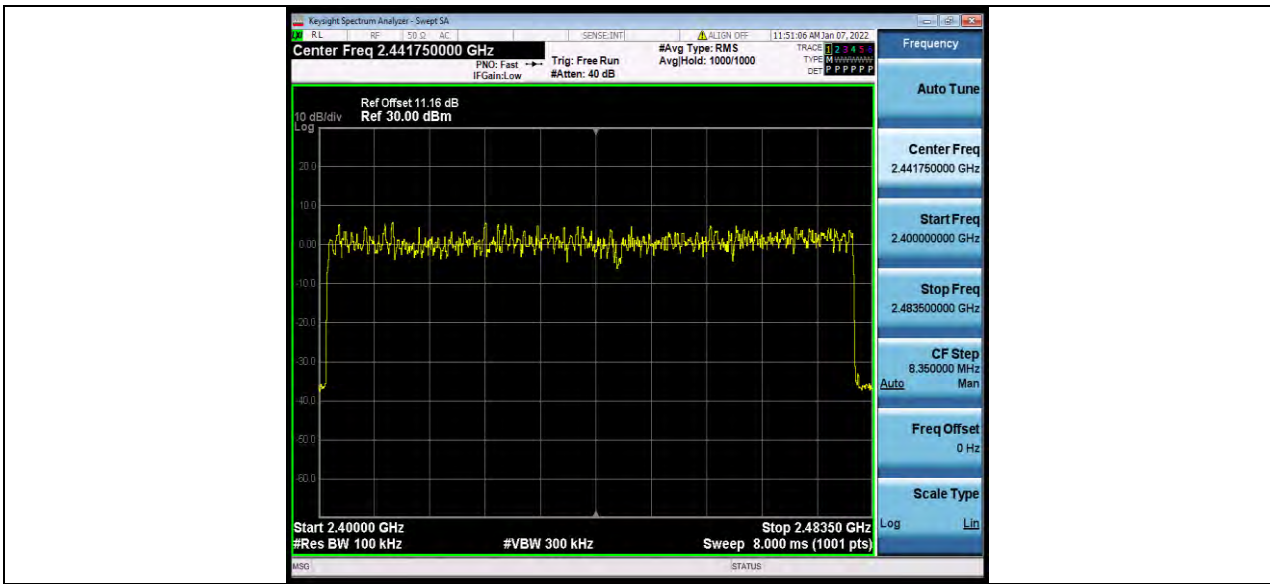


2DH5\_Ant1\_Hop



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# Test Report No.: W7L-P21120037RF01



3DH5\_Ant1\_Hop

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Fax: +86 755 8869 6577  
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VERITAS

Test Report No.: W7L-P21120037RF01

## BAND EDGE MEASUREMENTS

### TEST RESULT

| TestMode | Antenna | ChName | Channel  | RefLevel<br>[dBm] | Result<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|--------|----------|-------------------|-----------------|----------------|---------|
| DH5      | Ant1    | Low    | 2402     | 8.07              | -44.22          | ≤-11.93        | PASS    |
|          |         | High   | 2480     | 8.93              | -44.14          | ≤-11.07        | PASS    |
|          |         | Low    | Hop_2402 | 7.25              | -44.76          | ≤-12.75        | PASS    |
|          |         | High   | Hop_2480 | 8.99              | -43.55          | ≤-11.01        | PASS    |
| 2DH5     | Ant1    | Low    | 2402     | 5.24              | -44.62          | ≤-14.76        | PASS    |
|          |         | High   | 2480     | 6.68              | -43.34          | ≤-13.33        | PASS    |
|          |         | Low    | Hop_2402 | 2.57              | -44.73          | ≤-17.43        | PASS    |
|          |         | High   | Hop_2480 | 4.72              | -43.64          | ≤-15.28        | PASS    |
| 3DH5     | Ant1    | Low    | 2402     | 4.51              | -43.98          | ≤-15.49        | PASS    |
|          |         | High   | 2480     | 6.90              | -44.13          | ≤-13.1         | PASS    |
|          |         | Low    | Hop_2402 | 3.45              | -44.34          | ≤-16.55        | PASS    |
|          |         | High   | Hop_2480 | 5.05              | -44.11          | ≤-14.95        | PASS    |

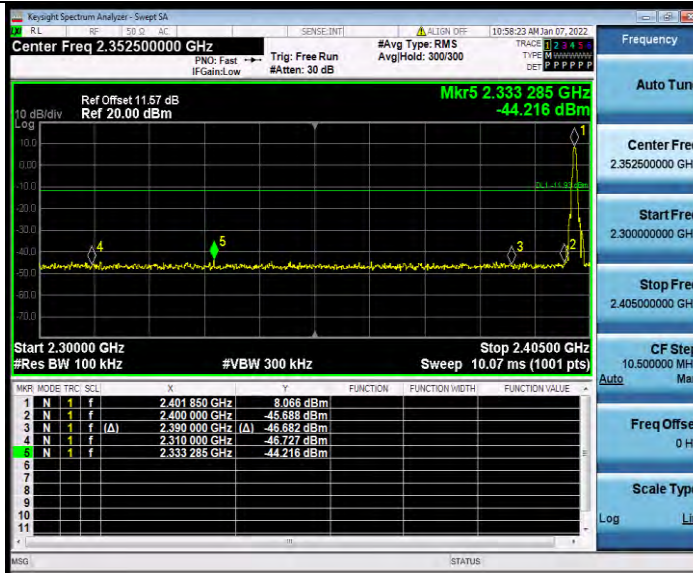




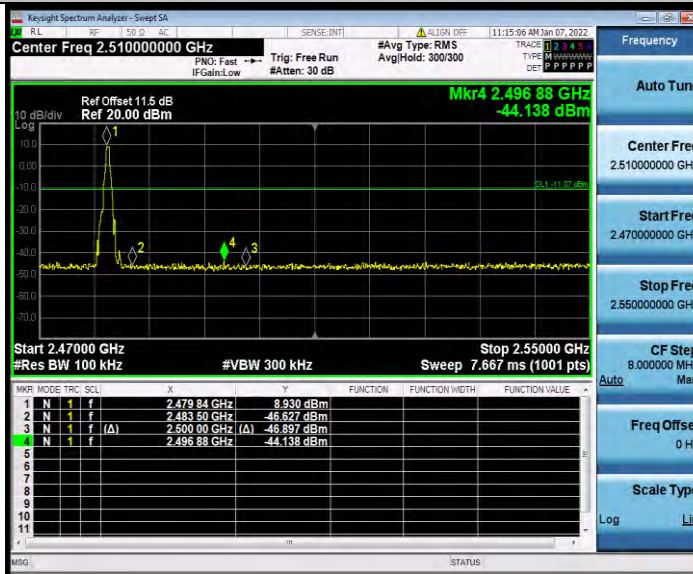
BUREAU VERITAS

Test Report No.: W7L-P21120037RF01

### TEST GRAPHS



DH5\_Ant1\_Low\_2402

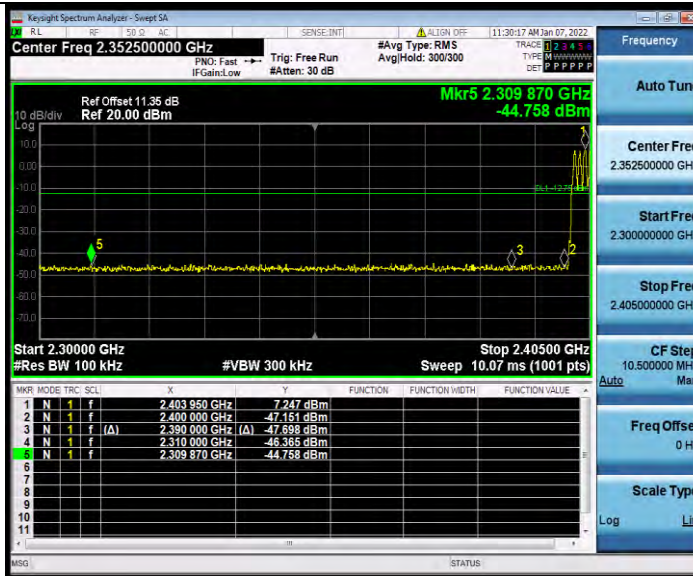


DH5\_Ant1\_High\_2480

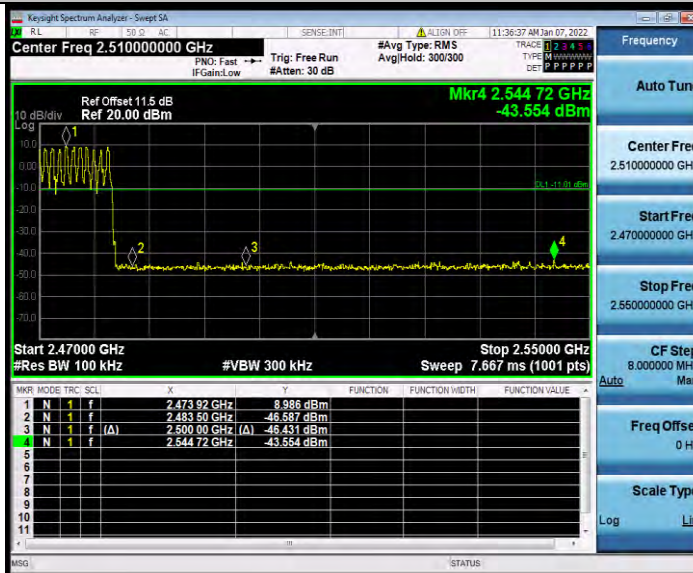


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# Test Report No.: W7L-P21120037RF01



DH5\_Ant1\_Low\_Hop\_2402

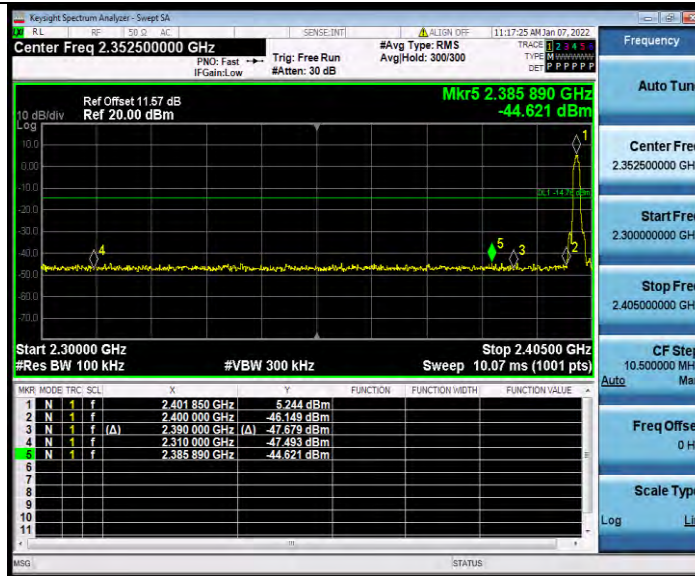


DH5\_Ant1\_High\_Hop\_2480

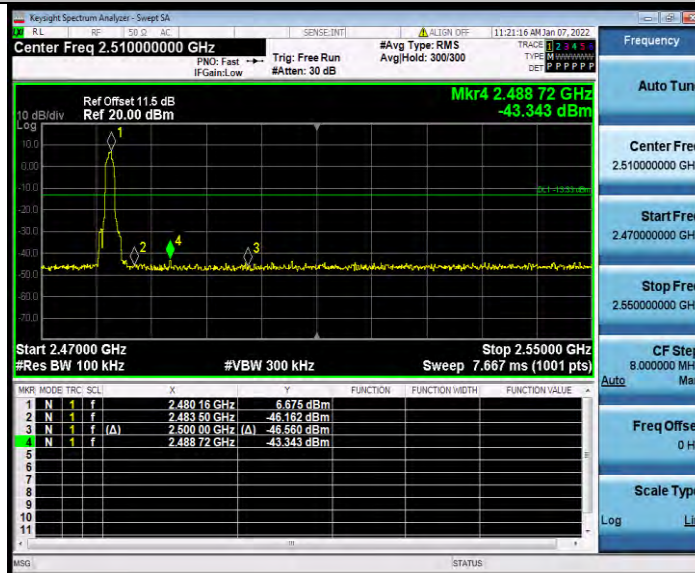


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# Test Report No.: W7L-P21120037RF01



2DH5\_Ant1\_Low\_2402



2DH5\_Ant1\_High\_2480

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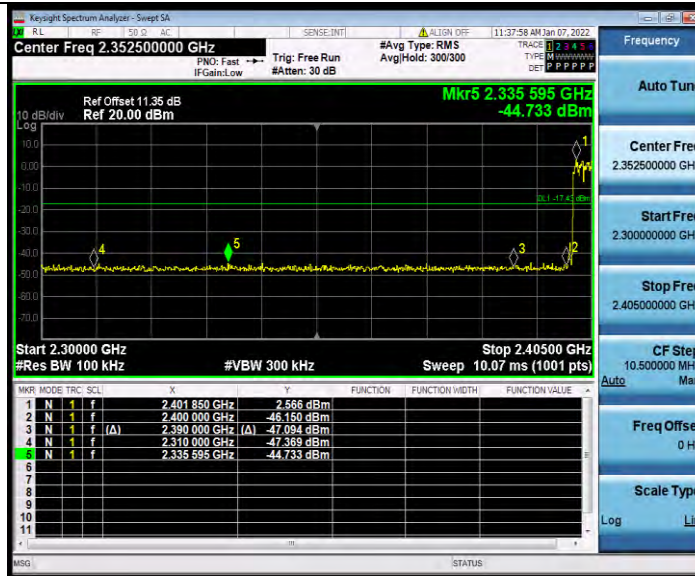
No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China

Tel: +86 755 8869 6566  
Fax: +86 755 8869 6577  
Email: [customerservice.sw@bureauveritas.com](mailto:customerservice.sw@bureauveritas.com)

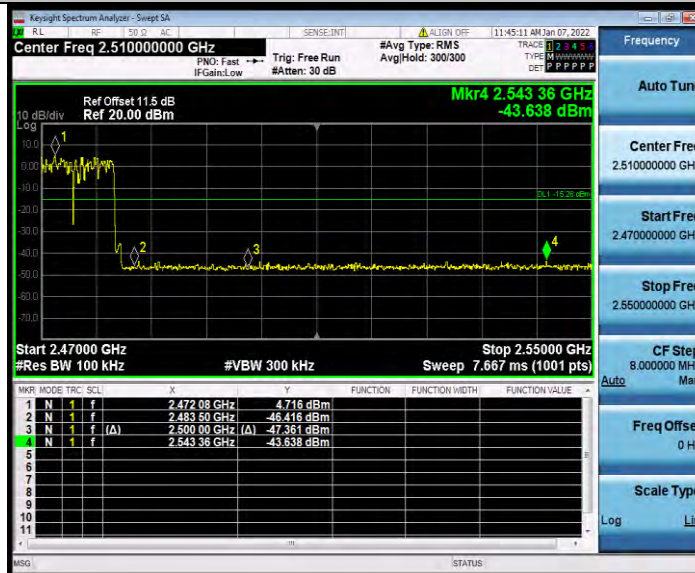


BUREAU VERITAS

# Test Report No.: W7L-P21120037RF01



2DH5\_Ant1\_Low\_Hop\_2402



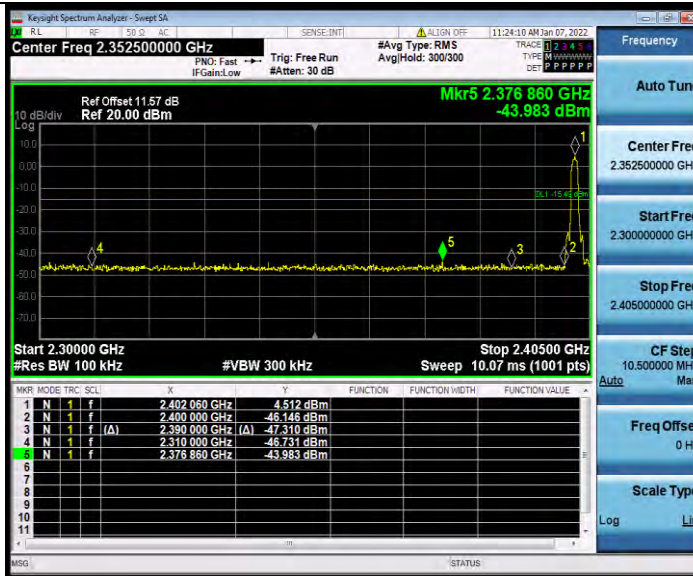
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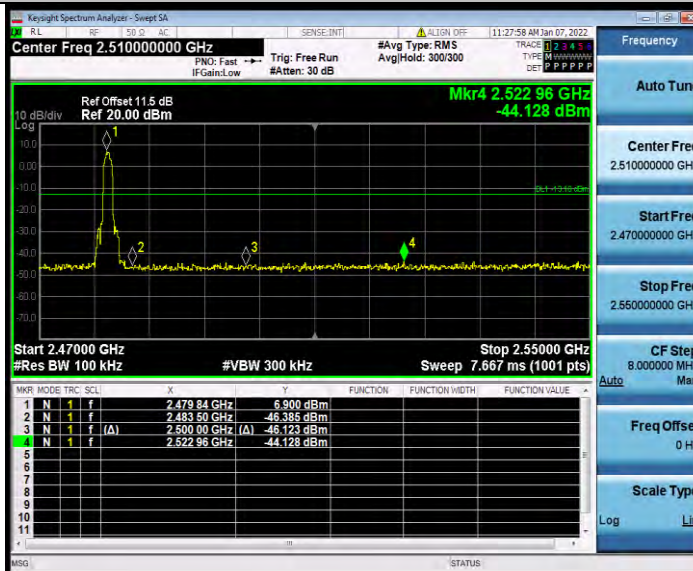


BUREAU VERITAS

# Test Report No.: W7L-P21120037RF01



3DH5\_Ant1\_Low\_2402

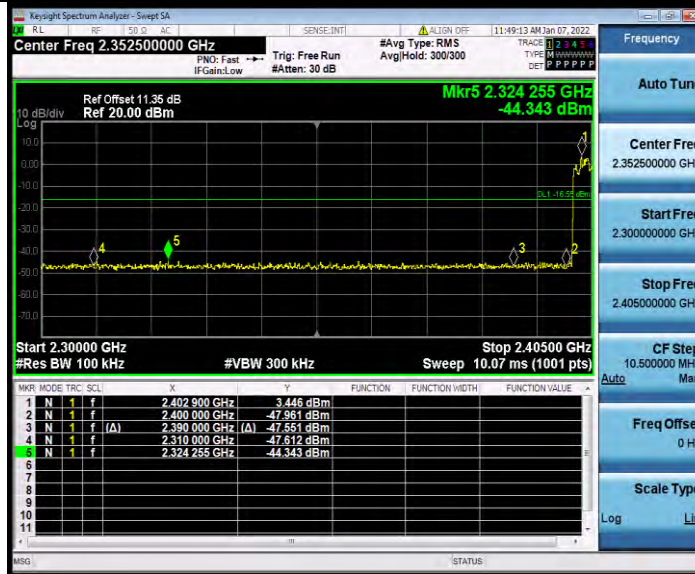


3DH5\_Ant1\_High\_2480

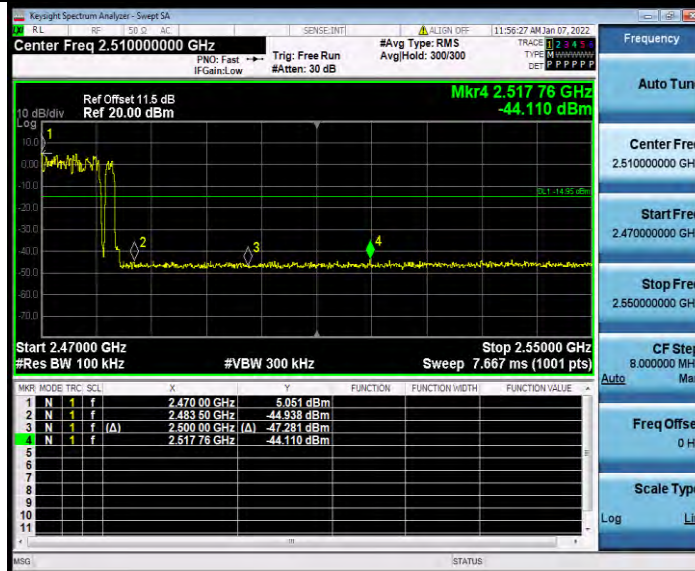


BUREAU VERITAS

# Test Report No.: W7L-P21120037RF01



3DH5\_Ant1\_Low\_Hop\_2402



3DH5\_Ant1\_High\_Hop\_2480



## 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          | 7.58              | 7.58            | ---            | PASS    |
|          |         |         | 30~1000            | 7.58              | -54.21          | ≤-12.42        | PASS    |
|          |         |         | 1000~26500         | 7.58              | -37.67          | ≤-12.42        | PASS    |
|          |         | 2441    | Reference          | 6.36              | 6.36            | ---            | PASS    |
|          |         |         | 30~1000            | 6.36              | -53.52          | ≤-13.64        | PASS    |
|          |         |         | 1000~26500         | 6.36              | -38.46          | ≤-13.64        | PASS    |
|          |         | 2480    | Reference          | 8.74              | 8.74            | ---            | PASS    |
|          |         |         | 30~1000            | 8.74              | -53.63          | ≤-11.26        | PASS    |
|          |         |         | 1000~26500         | 8.74              | -37.64          | ≤-11.26        | PASS    |
| 2DH5     | Ant1    | 2402    | Reference          | 3.33              | 3.33            | ---            | PASS    |
|          |         |         | 30~1000            | 3.33              | -54.44          | ≤-16.67        | PASS    |
|          |         |         | 1000~26500         | 3.33              | -38.28          | ≤-16.67        | PASS    |
|          |         | 2441    | Reference          | 1.91              | 1.91            | ---            | PASS    |
|          |         |         | 30~1000            | 1.91              | -54.16          | ≤-18.09        | PASS    |
|          |         |         | 1000~26500         | 1.91              | -37.78          | ≤-18.09        | PASS    |
|          |         | 2480    | Reference          | 5.17              | 5.17            | ---            | PASS    |
|          |         |         | 30~1000            | 5.17              | -53.99          | ≤-14.83        | PASS    |
|          |         |         | 1000~26500         | 5.17              | -38.17          | ≤-14.83        | PASS    |
| 3DH5     | Ant1    | 2402    | Reference          | 3.25              | 3.25            | ---            | PASS    |
|          |         |         | 30~1000            | 3.25              | -53.96          | ≤-16.75        | PASS    |
|          |         |         | 1000~26500         | 3.25              | -37.82          | ≤-16.75        | PASS    |
|          |         | 2441    | Reference          | 2.72              | 2.72            | ---            | PASS    |
|          |         |         | 30~1000            | 2.72              | -54.05          | ≤-17.28        | PASS    |
|          |         |         | 1000~26500         | 2.72              | -37.61          | ≤-17.28        | PASS    |
|          |         | 2480    | Reference          | 6.46              | 6.46            | ---            | PASS    |
|          |         |         | 30~1000            | 6.46              | -53.12          | ≤-13.54        | PASS    |
|          |         |         | 1000~26500         | 6.46              | -38.07          | ≤-13.54        | PASS    |



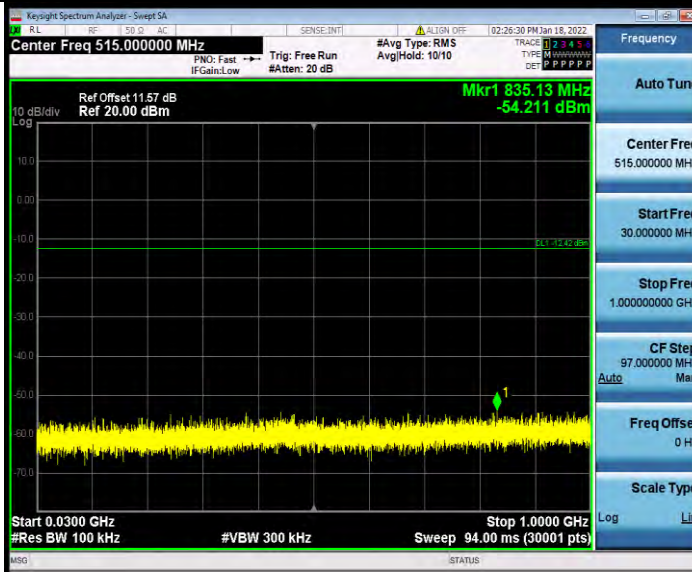
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Test Report No.: W7L-P21120037RF01

### TEST GRAPHS



DH5\_Ant1\_2402\_0~Reference



DH5\_Ant1\_2402\_30~1000





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# Test Report No.: W7L-P21120037RF01



DH5\_Ant1\_2402\_1000~26500

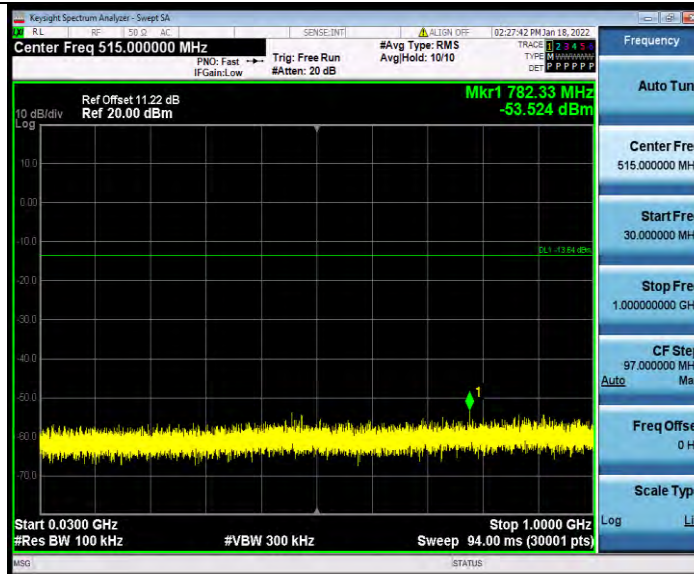


DH5\_Ant1\_2441\_0~Reference

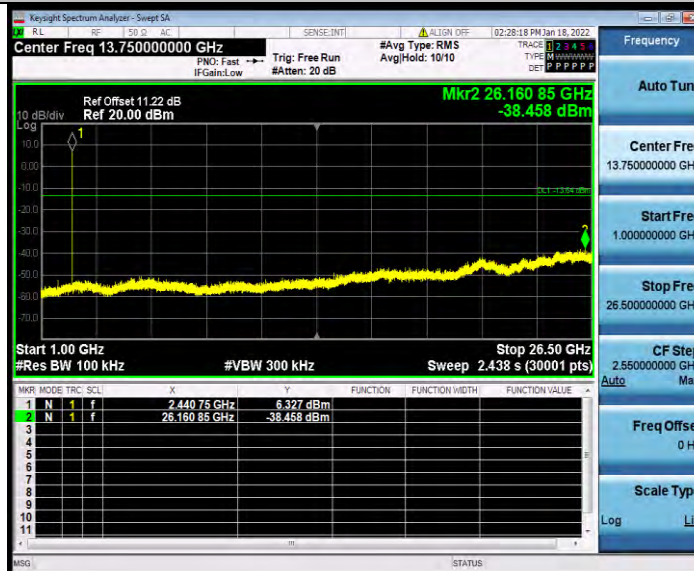


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**Test Report No.: W7L-P21120037RF01**



DH5\_Ant1\_2441\_30~1000



DH5\_Ant1\_2441\_1000~26500

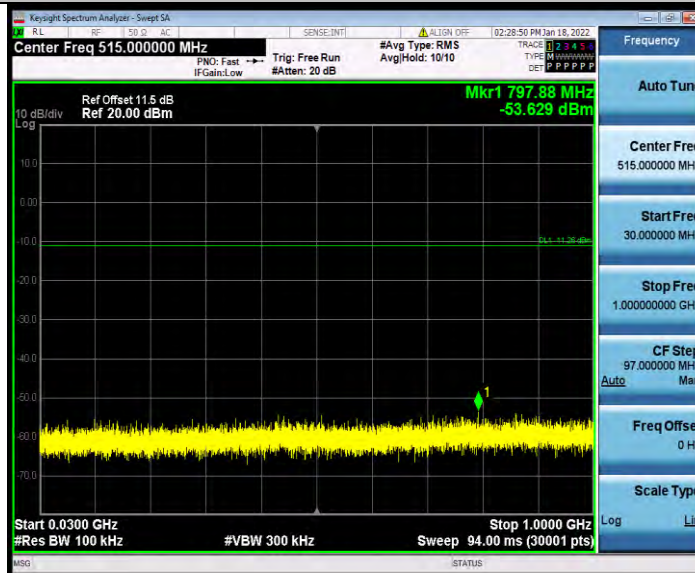


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Test Report No.: W7L-P21120037RF01



DH5\_Ant1\_2480\_0~Reference

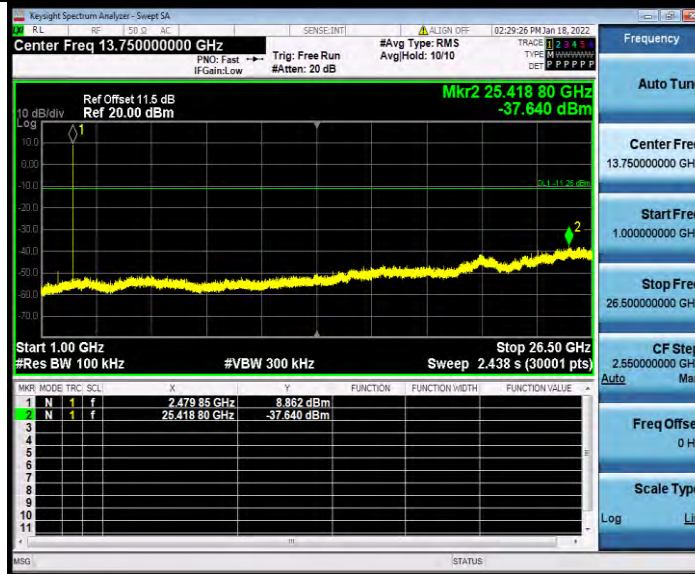


DH5\_Ant1\_2480\_30~1000



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# Test Report No.: W7L-P21120037RF01



DH5\_Ant1\_2480\_1000~26500



2DH5\_Ant1\_2402\_0~Reference

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# Test Report No.: W7L-P21120037RF01



2DH5\_Ant1\_2402\_30~1000



2DH5\_Ant1\_2402\_1000~26500

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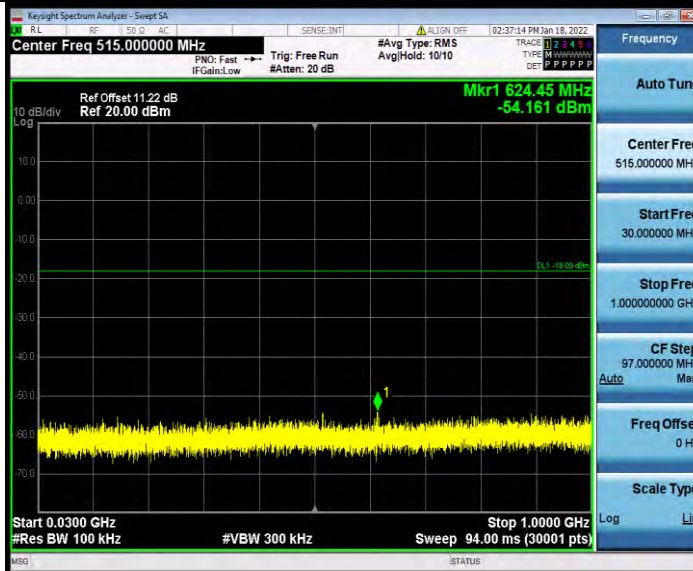


BUREAU VERITAS

# Test Report No.: W7L-P21120037RF01



2DH5\_Ant1\_2441\_0~Reference



2DH5\_Ant1\_2441\_30~1000

BV 7Layers Communications Technology (Shenzhen) Co. Ltd

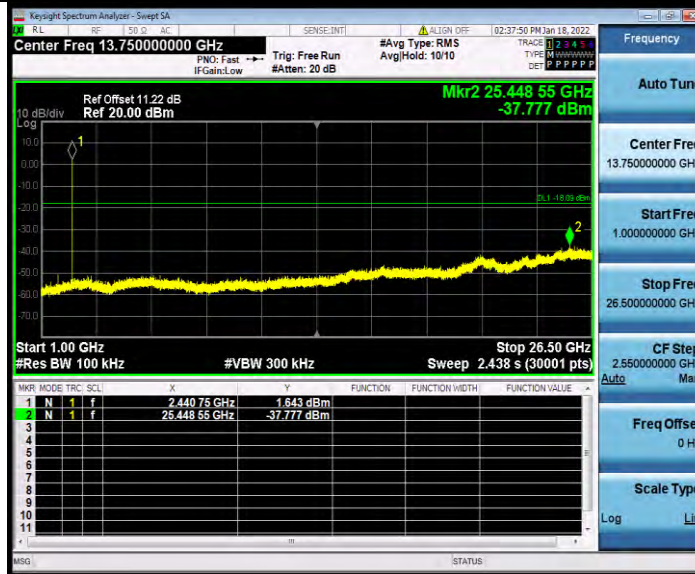
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# Test Report No.: W7L-P21120037RF01



2DH5\_Ant1\_2441\_1000~26500



2DH5\_Ant1\_2480\_0~Reference

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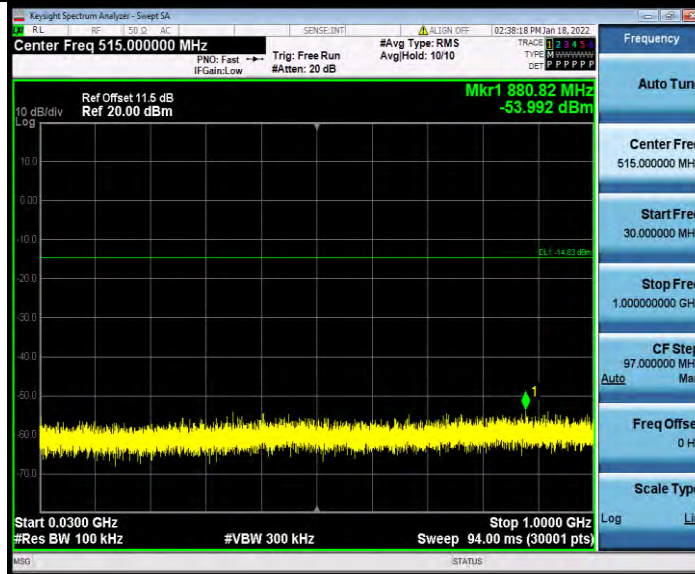
No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China

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2DH5\_Ant1\_2480\_30~1000



2DH5\_Ant1\_2480\_1000~26500

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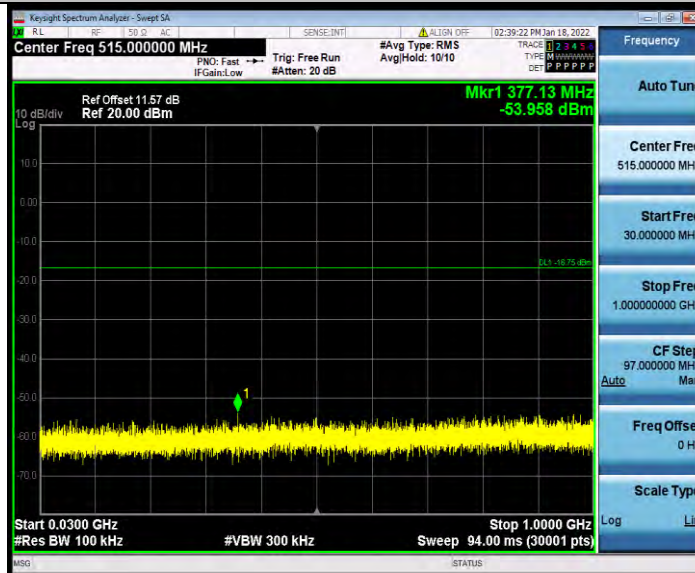


BUREAU VERITAS

Test Report No.: W7L-P21120037RF01



3DH5\_Ant1\_2402\_0~Reference



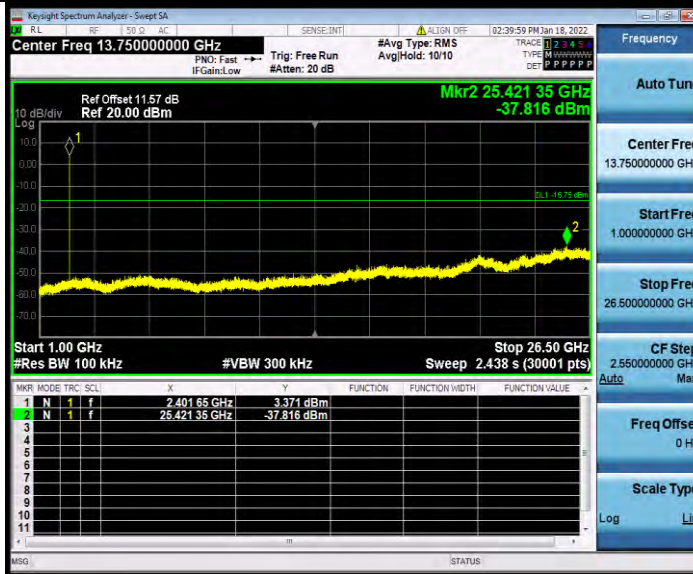
3DH5\_Ant1\_2402\_30~1000





BUREAU VERITAS

# Test Report No.: W7L-P21120037RF01



3DH5\_Ant1\_2402\_1000~26500



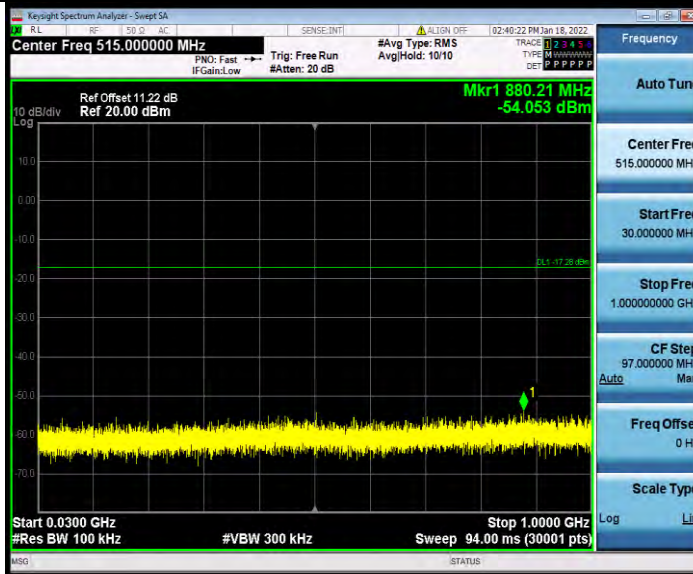
3DH5\_Ant1\_2441\_0~Reference



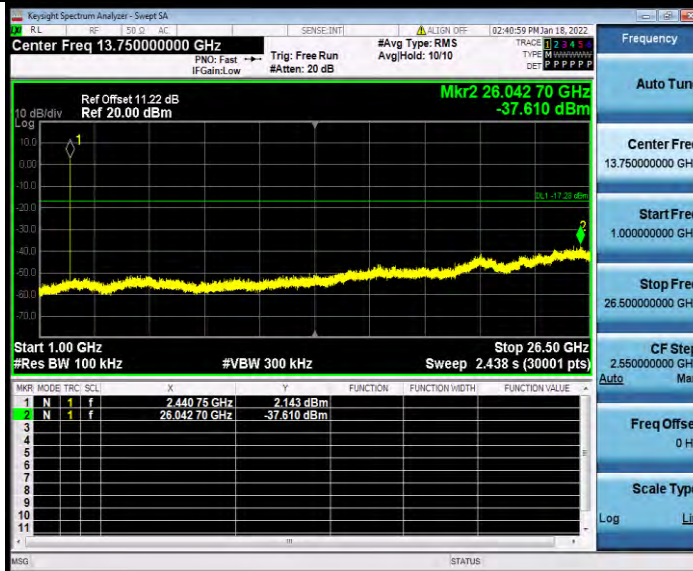


BUREAU VERITAS

### Test Report No.: W7L-P21120037RF01



3DH5\_Ant1\_2441\_30~1000



3DH5\_Ant1\_2441\_1000~26500

BV 7Layers Communications Technology (Shenzhen) Co. Ltd

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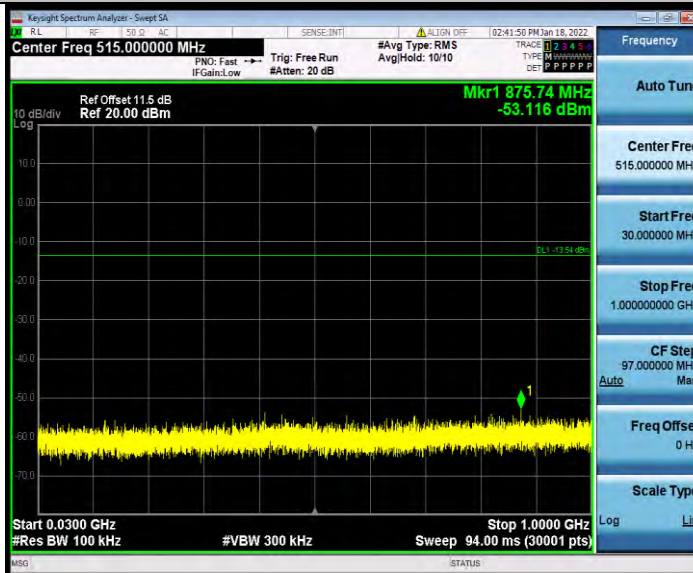


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Test Report No.: W7L-P21120037RF01



3DH5\_Ant1\_2480\_0~Reference

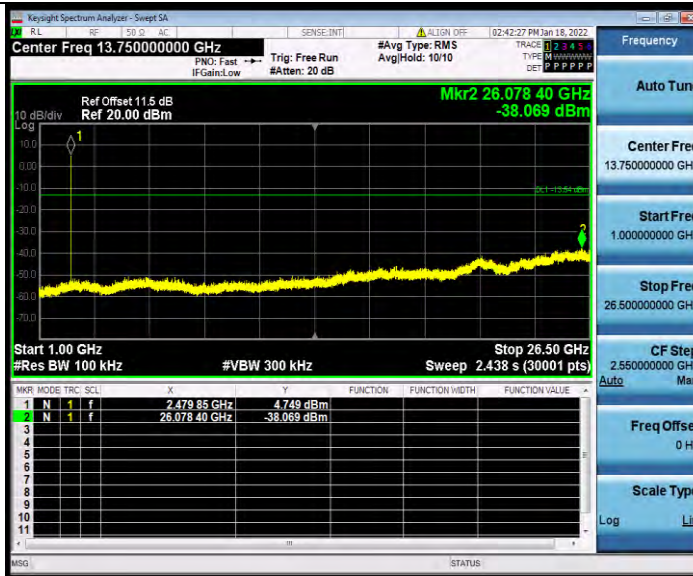


3DH5\_Ant1\_2480\_30~1000



BUREAU VERITAS

### Test Report No.: W7L-P21120037RF01



3DH5\_Ant1\_2480\_1000~26500

BV 7Layers Communications Technology (Shenzhen) Co. Ltd

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Test Report No.: W7L-P21120037RF01

## DUTY CYCLE

### TEST RESULT

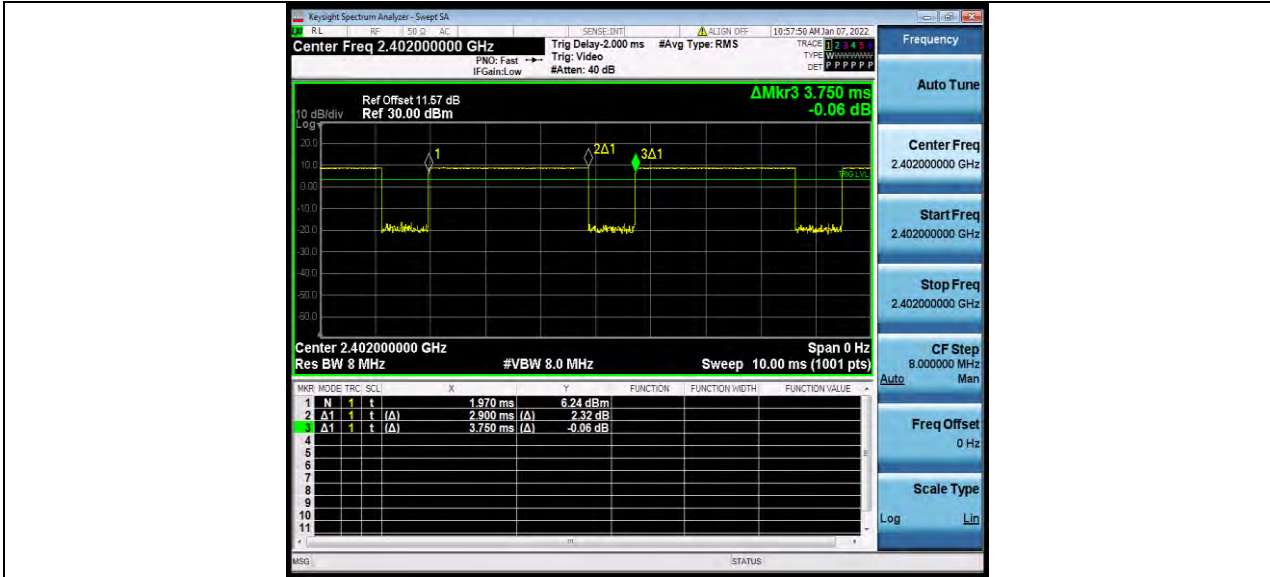
| TestMode | Antenna | Channel | ON Time<br>[ms] | Period<br>[ms] | X      | DC<br>[%] | xFactor | Limit | Verdict |
|----------|---------|---------|-----------------|----------------|--------|-----------|---------|-------|---------|
| DH5      | Ant1    | 2402    | 2.90            | 3.75           | 0.7733 | 77.33     | 1.12    | ---   | PASS    |
|          |         | 2441    | 2.90            | 3.75           | 0.7733 | 77.33     | 1.12    | ---   | PASS    |
|          |         | 2480    | 2.90            | 3.75           | 0.7733 | 77.33     | 1.12    | ---   | PASS    |
| 2DH5     | Ant1    | 2402    | 2.88            | 3.75           | 0.7680 | 76.80     | 1.15    | ---   | PASS    |
|          |         | 2441    | 2.89            | 3.76           | 0.7686 | 76.86     | 1.14    | ---   | PASS    |
|          |         | 2480    | 2.89            | 3.75           | 0.7707 | 77.07     | 1.13    | ---   | PASS    |
| 3DH5     | Ant1    | 2402    | 2.88            | 3.75           | 0.7680 | 76.80     | 1.15    | ---   | PASS    |
|          |         | 2441    | 2.89            | 3.75           | 0.7707 | 77.07     | 1.13    | ---   | PASS    |
|          |         | 2480    | 2.88            | 3.75           | 0.7680 | 76.80     | 1.15    | ---   | PASS    |



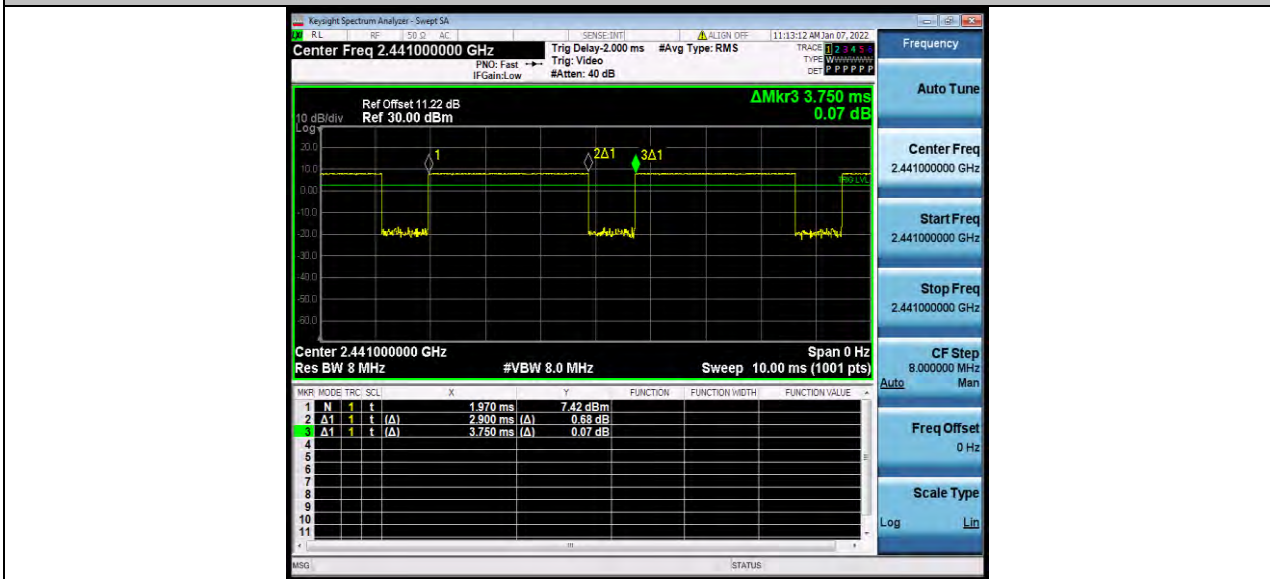
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VERITAS

Test Report No.: W7L-P21120037RF01

## TEST GRAPHS



DH5\_Ant1\_2402



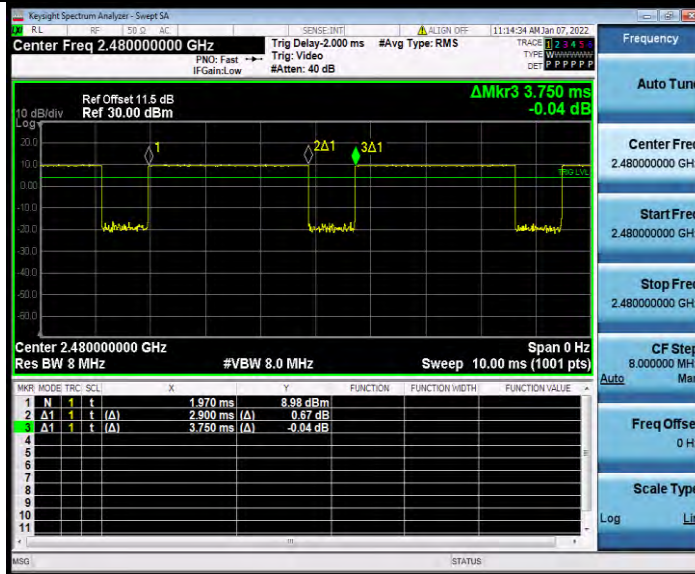
DH5\_Ant1\_2441



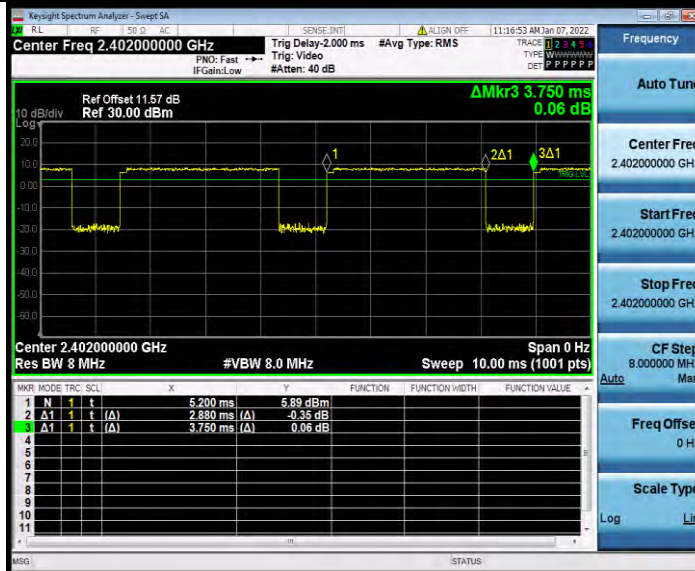


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DH5\_Ant1\_2480



2DH5\_Ant1\_2402

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