

# Wiitek 800G OSFP to OSFP 8x100G Passive Cable SI Test Report

P/N: OSFP\_DAC\_3M(088)  
S/N: KN2502240455

**Shenzhen Wiitek Technology Co.,Ltd.**

**Report Date:**

**26/02/2025 (19:50:14)**

**Tester: Admin**

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## .Equipments Information

| ID | Equipment              | Description          | Date     |
|----|------------------------|----------------------|----------|
| 1  | <a href="#">E5080B</a> | SN:MY59100821        | 2024/1/1 |
| 2  | <a href="#">RD16A</a>  | RC932225932225724045 | 2024/6/4 |
| 3  | VNA State File         | VNA_20241105.csa     | 2025/2/8 |
| 4  |                        |                      |          |
| 5  |                        |                      |          |

## .Test Information

|                   |    |       |                   |                                  |
|-------------------|----|-------|-------------------|----------------------------------|
| Length            | 3  | m     | Type              | 1 to 1                           |
| Tested Link       | 16 | Pairs | Testing following | <a href="#">OSFP_DAC_3M(088)</a> |
| Max Freq          | 40 | Ghz   | DeEmbed           | 2xTHRU                           |
| Tempature         | 25 | °C    | Calibration       | SOLT                             |
| Relative Humidity | 70 | %     | Test Result       | <b>PASS</b>                      |

## .Tested Parameters List

.SDD11/SDD22 Differential Return Loss

**PASS**

.SDD12/SDD21 Differential Insertion Loss

**PASS**

.SCD21

**PASS**

.SCD21-SDD21

**PASS**

.SCD11/SCD22 Differential to Common Mode Return Loss

**PASS**

.SCC11/SCC22 Common Mode Return Loss

**PASS**

.Differential Impedance

**PASS**

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## Summary Result

### TX1--->RX1

| Type        |        | Value(dB) | Freq(GHz) | Spec                        | Value  | Results | Fail@(GHz) |
|-------------|--------|-----------|-----------|-----------------------------|--------|---------|------------|
| SDD11       | MAX    | -7.036    | 23.84     | OSFP_RL(800G).temp          | 2.036  | PASS    |            |
| SDD22       | MAX    | -8.498    | 19.27     | OSFP_RL(800G).temp          | 3.498  | PASS    |            |
| SDD12       | Marker | -16.9     | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 3.85   | PASS    |            |
| SDD21       | Marker | -16.91    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 3.84   | PASS    |            |
| SCD21       | MAX    | -28.428   | 10.19     | OSFP_SCD21.temp             | 10.428 | PASS    |            |
| SCD21-SDD21 | MAX    | -7.532    | 37.43     | OSFP_SCD21-SDD21.temp       | 5.162  | PASS    |            |
| SCD11       | MAX    | -17.776   | 35.22     | OSFP_SCD11.temp             | 6.753  | PASS    |            |
| SCD22       | MAX    | -15.915   | 36.82     | OSFP_SCD11.temp             | 5.073  | PASS    |            |
| SCC11       | MAX    | -2.951    | 2.84      | OSFP_SCC11.temp             | 1.151  | PASS    |            |
| SCC22       | MAX    | -3.096    | 2.84      | OSFP_SCC11.temp             | 1.296  | PASS    |            |

### TX2--->RX2

| Type        |        | Value(dB) | Freq(GHz) | Spec                        | Value  | Results | Fail@(GHz) |
|-------------|--------|-----------|-----------|-----------------------------|--------|---------|------------|
| SDD11       | MAX    | -8.222    | 21.48     | OSFP_RL(800G).temp          | 3.222  | PASS    |            |
| SDD22       | MAX    | -7.372    | 23.86     | OSFP_RL(800G).temp          | 2.372  | PASS    |            |
| SDD12       | Marker | -17.78    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 2.97   | PASS    |            |
| SDD21       | Marker | -17.8     | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 2.95   | PASS    |            |
| SCD21       | MAX    | -28.613   | 1.11      | OSFP_SCD21.temp             | 10.613 | PASS    |            |
| SCD21-SDD21 | MAX    | -11.58    | 39.84     | OSFP_SCD21-SDD21.temp       | 9.959  | PASS    |            |
| SCD11       | MAX    | -14.88    | 38.96     | OSFP_SCD11.temp             | 4.279  | PASS    |            |
| SCD22       | MAX    | -17.484   | 31.03     | OSFP_SCD11.temp             | 5.988  | PASS    |            |
| SCC11       | MAX    | -3.104    | 2.7       | OSFP_SCC11.temp             | 1.304  | PASS    |            |
| SCC22       | MAX    | -2.958    | 2.7       | OSFP_SCC11.temp             | 1.158  | PASS    |            |

### TX3--->RX3

| Type        |        | Value(dB) | Freq(GHz) | Spec                        | Value | Results | Fail@(GHz) |
|-------------|--------|-----------|-----------|-----------------------------|-------|---------|------------|
| SDD11       | MAX    | -7.433    | 21.69     | OSFP_RL(800G).temp          | 2.433 | PASS    |            |
| SDD22       | MAX    | -8.767    | 21.37     | OSFP_RL(800G).temp          | 3.767 | PASS    |            |
| SDD12       | Marker | -18.3     | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 2.45  | PASS    |            |
| SDD21       | Marker | -18.29    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 2.46  | PASS    |            |
| SCD21       | MAX    | -26.677   | 1.47      | OSFP_SCD21.temp             | 8.677 | PASS    |            |
| SCD21-SDD21 | MAX    | -11.566   | 38.75     | OSFP_SCD21-SDD21.temp       | 9.606 | PASS    |            |
| SCD11       | MAX    | -16.753   | 37.06     | OSFP_SCD11.temp             | 5.938 | PASS    |            |
| SCD22       | MAX    | -17.786   | 39.6      | OSFP_SCD11.temp             | 7.258 | PASS    |            |
| SCC11       | MAX    | -2.978    | 2.66      | OSFP_SCC11.temp             | 1.178 | PASS    |            |
| SCC22       | MAX    | -2.993    | 2.77      | OSFP_SCC11.temp             | 1.193 | PASS    |            |

### TX4--->RX4

| Type        |        | Value(dB) | Freq(GHz) | Spec                        | Value  | Results | Fail@(GHz) |
|-------------|--------|-----------|-----------|-----------------------------|--------|---------|------------|
| SDD11       | MAX    | -8.829    | 19.48     | OSFP_RL(800G).temp          | 3.829  | PASS    |            |
| SDD22       | MAX    | -7.198    | 23.85     | OSFP_RL(800G).temp          | 2.198  | PASS    |            |
| SDD12       | Marker | -17.03    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 3.72   | PASS    |            |
| SDD21       | Marker | -17       | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 3.75   | PASS    |            |
| SCD21       | MAX    | -30.538   | 17.24     | OSFP_SCD21.temp             | 12.538 | PASS    |            |
| SCD21-SDD21 | MAX    | -10.762   | 36.89     | OSFP_SCD21-SDD21.temp       | 8.224  | PASS    |            |
| SCD11       | MAX    | -18.147   | 39.12     | OSFP_SCD11.temp             | 7.564  | PASS    |            |
| SCD22       | MAX    | -13.207   | 38.94     | OSFP_SCD11.temp             | 2.604  | PASS    |            |
| SCC11       | MAX    | -3.022    | 2.88      | OSFP_SCC11.temp             | 1.222  | PASS    |            |
| SCC22       | MAX    | -2.844    | 2.88      | OSFP_SCC11.temp             | 1.044  | PASS    |            |

### TX5--->RX5

| Type |  | Value(dB) | Freq(GHz) | Spec | Value | Results | Fail@(GHz) |
|------|--|-----------|-----------|------|-------|---------|------------|
|------|--|-----------|-----------|------|-------|---------|------------|

|             |        |         |       |                             |       |      |  |
|-------------|--------|---------|-------|-----------------------------|-------|------|--|
| SDD11       | MAX    | -8.312  | 23.85 | OSFP_RL(800G).temp          | 3.312 | PASS |  |
| SDD22       | MAX    | -8.364  | 20.24 | OSFP_RL(800G).temp          | 3.364 | PASS |  |
| SDD12       | Marker | -17.27  | 26.56 | OSFP_IL_3m(088).temp,-20.75 | 3.48  | PASS |  |
| SDD21       | Marker | -17.12  | 26.56 | OSFP_IL_3m(088).temp,-20.75 | 3.63  | PASS |  |
| SCD21       | MAX    | -25.881 | 9.86  | OSFP_SCD21.temp             | 7.881 | PASS |  |
| SCD21-SDD21 | MAX    | -10.094 | 40    | OSFP_SCD21-SDD21.temp       | 8.523 | PASS |  |
| SCD11       | MAX    | -18.995 | 36.84 | OSFP_SCD11.temp             | 8.155 | PASS |  |
| SCD22       | MAX    | -17.26  | 39.09 | OSFP_SCD11.temp             | 6.674 | PASS |  |
| SCC11       | MAX    | -2.955  | 2.77  | OSFP_SCC11.temp             | 1.155 | PASS |  |
| SCC22       | MAX    | -2.831  | 2.88  | OSFP_SCC11.temp             | 1.031 | PASS |  |

**TX6--->RX6**

| Type        |        | Value(dB) | Freq(GHz) | Spec                        | Value  | Results | Fail@(GHz) |
|-------------|--------|-----------|-----------|-----------------------------|--------|---------|------------|
| SDD11       | MAX    | -7.801    | 21.58     | OSFP_RL(800G).temp          | 2.801  | PASS    |            |
| SDD22       | MAX    | -7.8      | 21.62     | OSFP_RL(800G).temp          | 2.8    | PASS    |            |
| SDD12       | Marker | -18.26    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 2.49   | PASS    |            |
| SDD21       | Marker | -18.3     | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 2.45   | PASS    |            |
| SCD21       | MAX    | -27.717   | 10.17     | OSFP_SCD21.temp             | 9.717  | PASS    |            |
| SCD21-SDD21 | MAX    | -10.351   | 17.86     | OSFP_SCD21-SDD21.temp       | 1.899  | PASS    |            |
| SCD11       | MAX    | -16.722   | 34.23     | OSFP_SCD11.temp             | 5.587  | PASS    |            |
| SCD22       | MAX    | -20.78    | 39.74     | OSFP_SCD11.temp             | 10.268 | PASS    |            |
| SCC11       | MAX    | -2.98     | 2.74      | OSFP_SCC11.temp             | 1.18   | PASS    |            |
| SCC22       | MAX    | -2.93     | 2.74      | OSFP_SCC11.temp             | 1.13   | PASS    |            |

**TX7--->RX7**

| Type        |        | Value(dB) | Freq(GHz) | Spec                        | Value  | Results | Fail@(GHz) |
|-------------|--------|-----------|-----------|-----------------------------|--------|---------|------------|
| SDD11       | MAX    | -7.525    | 21.69     | OSFP_RL(800G).temp          | 2.525  | PASS    |            |
| SDD22       | MAX    | -8.174    | 21.37     | OSFP_RL(800G).temp          | 3.174  | PASS    |            |
| SDD12       | Marker | -18.39    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 2.36   | PASS    |            |
| SDD21       | Marker | -18.27    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 2.48   | PASS    |            |
| SCD21       | MAX    | -28.224   | 10.44     | OSFP_SCD21.temp             | 10.224 | PASS    |            |
| SCD21-SDD21 | MAX    | -8.81     | 37.68     | OSFP_SCD21-SDD21.temp       | 6.518  | PASS    |            |
| SCD11       | MAX    | -19.191   | 37.95     | OSFP_SCD11.temp             | 8.476  | PASS    |            |
| SCD22       | MAX    | -18.162   | 38.94     | OSFP_SCD11.temp             | 7.559  | PASS    |            |
| SCC11       | MAX    | -3.103    | 2.7       | OSFP_SCC11.temp             | 1.303  | PASS    |            |
| SCC22       | MAX    | -2.905    | 2.7       | OSFP_SCC11.temp             | 1.105  | PASS    |            |

**TX8--->RX8**

| Type        |        | Value(dB) | Freq(GHz) | Spec                        | Value | Results | Fail@(GHz) |
|-------------|--------|-----------|-----------|-----------------------------|-------|---------|------------|
| SDD11       | MAX    | -7.677    | 20.4      | OSFP_RL(800G).temp          | 2.677 | PASS    |            |
| SDD22       | MAX    | -7.412    | 23.85     | OSFP_RL(800G).temp          | 2.412 | PASS    |            |
| SDD12       | Marker | -17.53    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 3.22  | PASS    |            |
| SDD21       | Marker | -17.47    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 3.28  | PASS    |            |
| SCD21       | MAX    | -26.516   | 9.88      | OSFP_SCD21.temp             | 8.516 | PASS    |            |
| SCD21-SDD21 | MAX    | -12.313   | 18.5      | OSFP_SCD21-SDD21.temp       | 4.06  | PASS    |            |
| SCD11       | MAX    | -15.294   | 39.68     | OSFP_SCD11.temp             | 4.775 | PASS    |            |
| SCD22       | MAX    | -19.287   | 38.45     | OSFP_SCD11.temp             | 8.629 | PASS    |            |
| SCC11       | MAX    | -2.902    | 2.84      | OSFP_SCC11.temp             | 1.102 | PASS    |            |
| SCC22       | MAX    | -2.811    | 2.84      | OSFP_SCC11.temp             | 1.011 | PASS    |            |

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## Summary Result

### RX1-->TX1

| Type        |        | Value(dB) | Freq(GHz) | Spec                        | Value | Results | Fail@(GHz) |
|-------------|--------|-----------|-----------|-----------------------------|-------|---------|------------|
| SDD11       | MAX    | -6.956    | 22.87     | OSFP_RL(800G).temp          | 1.956 | PASS    |            |
| SDD22       | MAX    | -7.954    | 22.76     | OSFP_RL(800G).temp          | 2.954 | PASS    |            |
| SDD12       | Marker | -17.45    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 3.3   | PASS    |            |
| SDD21       | Marker | -17.43    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 3.32  | PASS    |            |
| SCD21       | MAX    | -24.641   | 1.33      | OSFP_SCD21.temp             | 6.641 | PASS    |            |
| SCD21-SDD21 | MAX    | -7.495    | 39.94     | OSFP_SCD21-SDD21.temp       | 5.905 | PASS    |            |
| SCD11       | MAX    | -16.496   | 29.21     | OSFP_SCD11.temp             | 4.794 | PASS    |            |
| SCD22       | MAX    | -15.225   | 39.52     | OSFP_SCD11.temp             | 4.688 | PASS    |            |
| SCC11       | MAX    | -2.841    | 2.95      | OSFP_SCC11.temp             | 1.041 | PASS    |            |
| SCC22       | MAX    | -3.035    | 2.95      | OSFP_SCC11.temp             | 1.235 | PASS    |            |

### RX2-->TX2

| Type        |        | Value(dB) | Freq(GHz) | Spec                        | Value  | Results | Fail@(GHz) |
|-------------|--------|-----------|-----------|-----------------------------|--------|---------|------------|
| SDD11       | MAX    | -8.531    | 20.52     | OSFP_RL(800G).temp          | 3.531  | PASS    |            |
| SDD22       | MAX    | -7.822    | 23.85     | OSFP_RL(800G).temp          | 2.822  | PASS    |            |
| SDD12       | Marker | -17.84    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 2.91   | PASS    |            |
| SDD21       | Marker | -17.73    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 3.02   | PASS    |            |
| SCD21       | MAX    | -29.382   | 3.77      | OSFP_SCD21.temp             | 11.382 | PASS    |            |
| SCD21-SDD21 | MAX    | -10.422   | 34.27     | OSFP_SCD21-SDD21.temp       | 7.07   | PASS    |            |
| SCD11       | MAX    | -14.461   | 39.12     | OSFP_SCD11.temp             | 3.878  | PASS    |            |
| SCD22       | MAX    | -15.039   | 29.7      | OSFP_SCD11.temp             | 3.392  | PASS    |            |
| SCC11       | MAX    | -2.985    | 2.66      | OSFP_SCC11.temp             | 1.185  | PASS    |            |
| SCC22       | MAX    | -3.068    | 2.66      | OSFP_SCC11.temp             | 1.268  | PASS    |            |

### RX3-->TX3

| Type        |        | Value(dB) | Freq(GHz) | Spec                        | Value  | Results | Fail@(GHz) |
|-------------|--------|-----------|-----------|-----------------------------|--------|---------|------------|
| SDD11       | MAX    | -7.364    | 21.69     | OSFP_RL(800G).temp          | 2.364  | PASS    |            |
| SDD22       | MAX    | -8.598    | 21.47     | OSFP_RL(800G).temp          | 3.598  | PASS    |            |
| SDD12       | Marker | -18.27    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 2.48   | PASS    |            |
| SDD21       | Marker | -17.99    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 2.76   | PASS    |            |
| SCD21       | MAX    | -28.248   | 1.47      | OSFP_SCD21.temp             | 10.248 | PASS    |            |
| SCD21-SDD21 | MAX    | -8.379    | 37.58     | OSFP_SCD21-SDD21.temp       | 6.056  | PASS    |            |
| SCD11       | MAX    | -15.23    | 39.91     | OSFP_SCD11.temp             | 4.737  | PASS    |            |
| SCD22       | MAX    | -15.925   | 39.4      | OSFP_SCD11.temp             | 5.374  | PASS    |            |
| SCC11       | MAX    | -2.946    | 2.66      | OSFP_SCC11.temp             | 1.146  | PASS    |            |
| SCC22       | MAX    | -3.094    | 2.77      | OSFP_SCC11.temp             | 1.294  | PASS    |            |

### RX4-->TX4

| Type        |        | Value(dB) | Freq(GHz) | Spec                        | Value | Results | Fail@(GHz) |
|-------------|--------|-----------|-----------|-----------------------------|-------|---------|------------|
| SDD11       | MAX    | -8.972    | 20.4      | OSFP_RL(800G).temp          | 3.972 | PASS    |            |
| SDD22       | MAX    | -7.106    | 23.86     | OSFP_RL(800G).temp          | 2.106 | PASS    |            |
| SDD12       | Marker | -17.61    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 3.14  | PASS    |            |
| SDD21       | Marker | -17.42    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 3.33  | PASS    |            |
| SCD21       | MAX    | -25.341   | 1.33      | OSFP_SCD21.temp             | 7.341 | PASS    |            |
| SCD21-SDD21 | MAX    | -10.851   | 38.91     | OSFP_SCD21-SDD21.temp       | 8.941 | PASS    |            |
| SCD11       | MAX    | -13.98    | 39.11     | OSFP_SCD11.temp             | 3.396 | PASS    |            |
| SCD22       | MAX    | -16.617   | 30.36     | OSFP_SCD11.temp             | 5.045 | PASS    |            |
| SCC11       | MAX    | -2.909    | 3.84      | OSFP_SCC11.temp             | 1.109 | PASS    |            |
| SCC22       | MAX    | -3.013    | 2.66      | OSFP_SCC11.temp             | 1.213 | PASS    |            |

### RX5-->TX5

| Type |  | Value(dB) | Freq(GHz) | Spec | Value | Results | Fail@(GHz) |
|------|--|-----------|-----------|------|-------|---------|------------|
|------|--|-----------|-----------|------|-------|---------|------------|

|             |        |         |       |                             |       |      |  |
|-------------|--------|---------|-------|-----------------------------|-------|------|--|
| SDD11       | MAX    | -7.648  | 23.84 | OSFP_RL(800G).temp          | 2.648 | PASS |  |
| SDD22       | MAX    | -8.04   | 19.38 | OSFP_RL(800G).temp          | 3.04  | PASS |  |
| SDD12       | Marker | -17.29  | 26.56 | OSFP_IL_3m(088).temp,-20.75 | 3.46  | PASS |  |
| SDD21       | Marker | -17.17  | 26.56 | OSFP_IL_3m(088).temp,-20.75 | 3.58  | PASS |  |
| SCD21       | MAX    | -28.17  | 2.02  | OSFP_SCD21.temp             | 10.17 | PASS |  |
| SCD21-SDD21 | MAX    | -9.435  | 37.89 | OSFP_SCD21-SDD21.temp       | 7.208 | PASS |  |
| SCD11       | MAX    | -17.638 | 39.13 | OSFP_SCD11.temp             | 7.057 | PASS |  |
| SCD22       | MAX    | -17.095 | 39.67 | OSFP_SCD11.temp             | 6.575 | PASS |  |
| SCC11       | MAX    | -2.829  | 2.81  | OSFP_SCC11.temp             | 1.029 | PASS |  |
| SCC22       | MAX    | -3.103  | 2.81  | OSFP_SCC11.temp             | 1.303 | PASS |  |

**RX6-->TX6**

| Type        |        | Value(dB) | Freq(GHz) | Spec                        | Value  | Results | Fail@(GHz) |
|-------------|--------|-----------|-----------|-----------------------------|--------|---------|------------|
| SDD11       | MAX    | -8.19     | 18.28     | OSFP_RL(800G).temp          | 3.19   | PASS    |            |
| SDD22       | MAX    | -8.35     | 21.64     | OSFP_RL(800G).temp          | 3.35   | PASS    |            |
| SDD12       | Marker | -18.64    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 2.11   | PASS    |            |
| SDD21       | Marker | -18.64    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 2.11   | PASS    |            |
| SCD21       | MAX    | -28.374   | 1.58      | OSFP_SCD21.temp             | 10.374 | PASS    |            |
| SCD21-SDD21 | MAX    | -15.732   | 25.04     | OSFP_SCD21-SDD21.temp       | 9.511  | PASS    |            |
| SCD11       | MAX    | -14.19    | 37.24     | OSFP_SCD11.temp             | 3.395  | PASS    |            |
| SCD22       | MAX    | -23.604   | 37.49     | OSFP_SCD11.temp             | 12.837 | PASS    |            |
| SCC11       | MAX    | -2.767    | 2.66      | OSFP_SCC11.temp             | 0.967  | PASS    |            |
| SCC22       | MAX    | -3.095    | 2.66      | OSFP_SCC11.temp             | 1.295  | PASS    |            |

**RX7-->TX7**

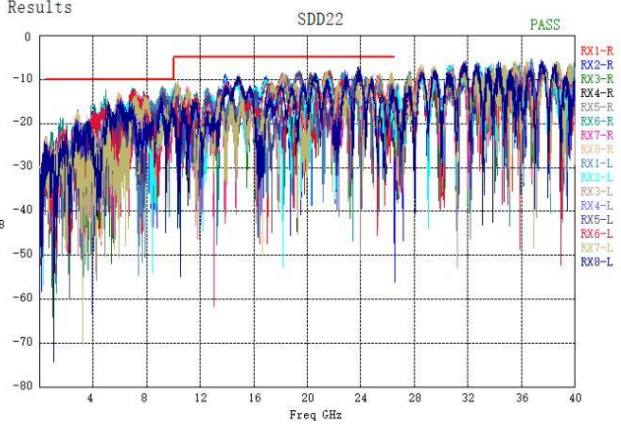
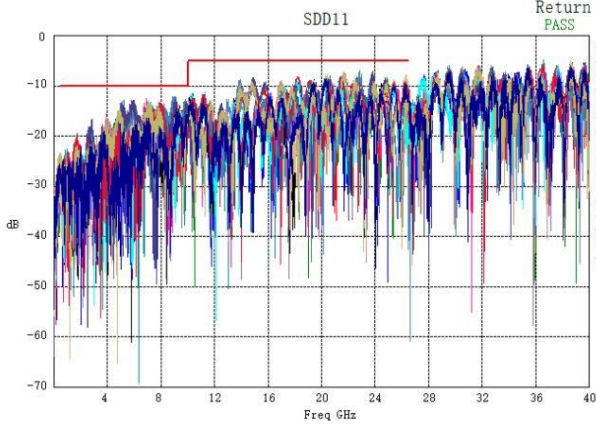
| Type        |        | Value(dB) | Freq(GHz) | Spec                        | Value | Results | Fail@(GHz) |
|-------------|--------|-----------|-----------|-----------------------------|-------|---------|------------|
| SDD11       | MAX    | -7.322    | 21.69     | OSFP_RL(800G).temp          | 2.322 | PASS    |            |
| SDD22       | MAX    | -8.116    | 21.52     | OSFP_RL(800G).temp          | 3.116 | PASS    |            |
| SDD12       | Marker | -18.61    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 2.14  | PASS    |            |
| SDD21       | Marker | -18.68    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 2.07  | PASS    |            |
| SCD21       | MAX    | -27.964   | 1.29      | OSFP_SCD21.temp             | 9.964 | PASS    |            |
| SCD21-SDD21 | MAX    | -7.992    | 34.77     | OSFP_SCD21-SDD21.temp       | 4.795 | PASS    |            |
| SCD11       | MAX    | -18.996   | 38.8      | OSFP_SCD11.temp             | 8.377 | PASS    |            |
| SCD22       | MAX    | -18.508   | 38.85     | OSFP_SCD11.temp             | 7.895 | PASS    |            |
| SCC11       | MAX    | -2.814    | 2.62      | OSFP_SCC11.temp             | 1.014 | PASS    |            |
| SCC22       | MAX    | -2.981    | 2.77      | OSFP_SCC11.temp             | 1.181 | PASS    |            |

**RX8-->TX8**

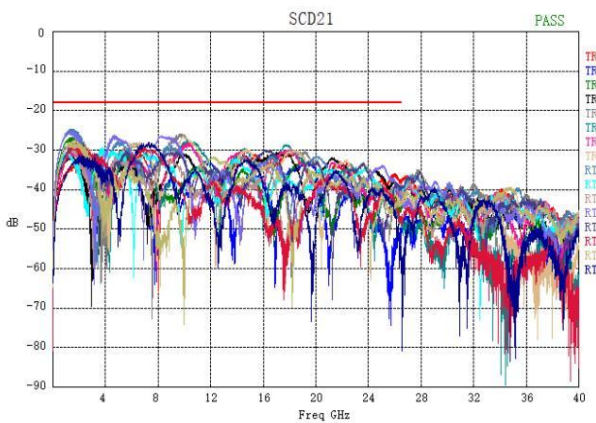
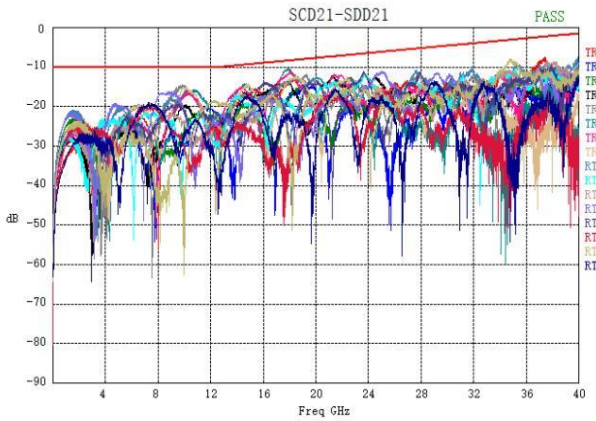
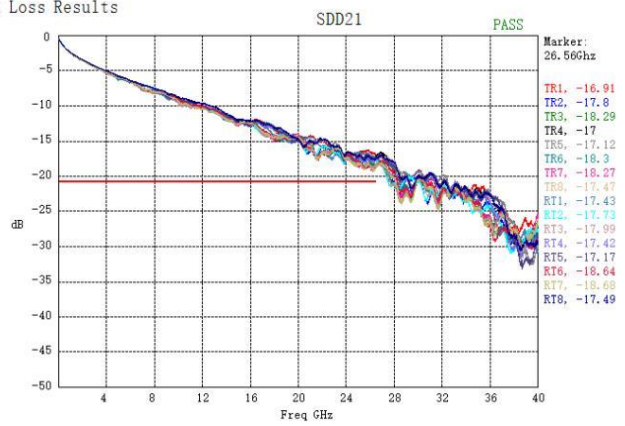
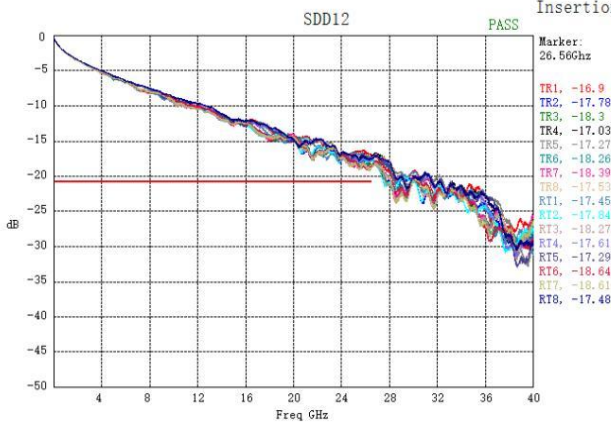
| Type        |        | Value(dB) | Freq(GHz) | Spec                        | Value  | Results | Fail@(GHz) |
|-------------|--------|-----------|-----------|-----------------------------|--------|---------|------------|
| SDD11       | MAX    | -8.574    | 20.35     | OSFP_RL(800G).temp          | 3.574  | PASS    |            |
| SDD22       | MAX    | -7.285    | 23.85     | OSFP_RL(800G).temp          | 2.285  | PASS    |            |
| SDD12       | Marker | -17.48    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 3.27   | PASS    |            |
| SDD21       | Marker | -17.49    | 26.56     | OSFP_IL_3m(088).temp,-20.75 | 3.26   | PASS    |            |
| SCD21       | MAX    | -28.089   | 7.3       | OSFP_SCD21.temp             | 10.089 | PASS    |            |
| SCD21-SDD21 | MAX    | -12.419   | 39.97     | OSFP_SCD21-SDD21.temp       | 10.839 | PASS    |            |
| SCD11       | MAX    | -14.529   | 35.99     | OSFP_SCD11.temp             | 3.593  | PASS    |            |
| SCD22       | MAX    | -18.754   | 35.35     | OSFP_SCD11.temp             | 7.746  | PASS    |            |
| SCC11       | MAX    | -2.869    | 3.84      | OSFP_SCC11.temp             | 1.069  | PASS    |            |
| SCC22       | MAX    | -3.048    | 2.88      | OSFP_SCC11.temp             | 1.248  | PASS    |            |

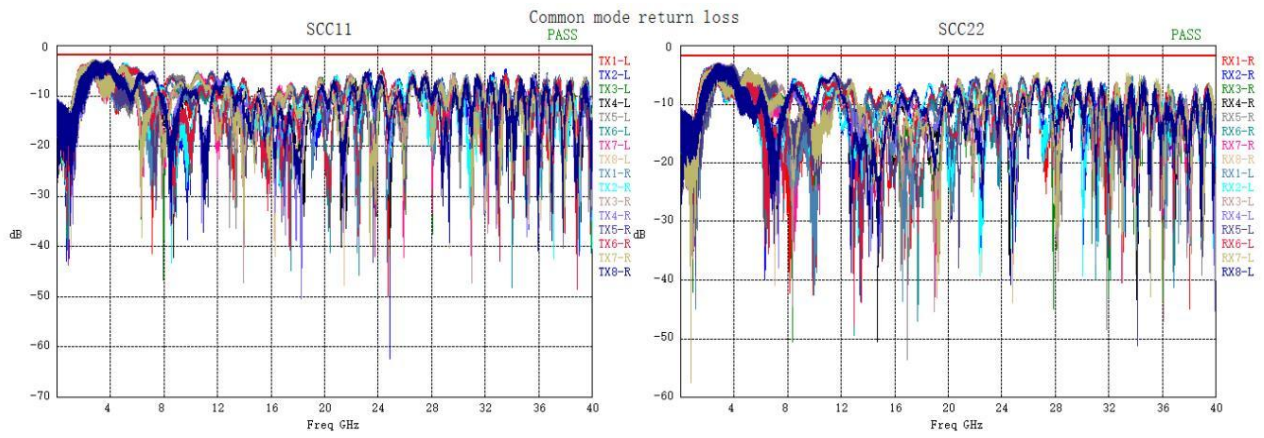
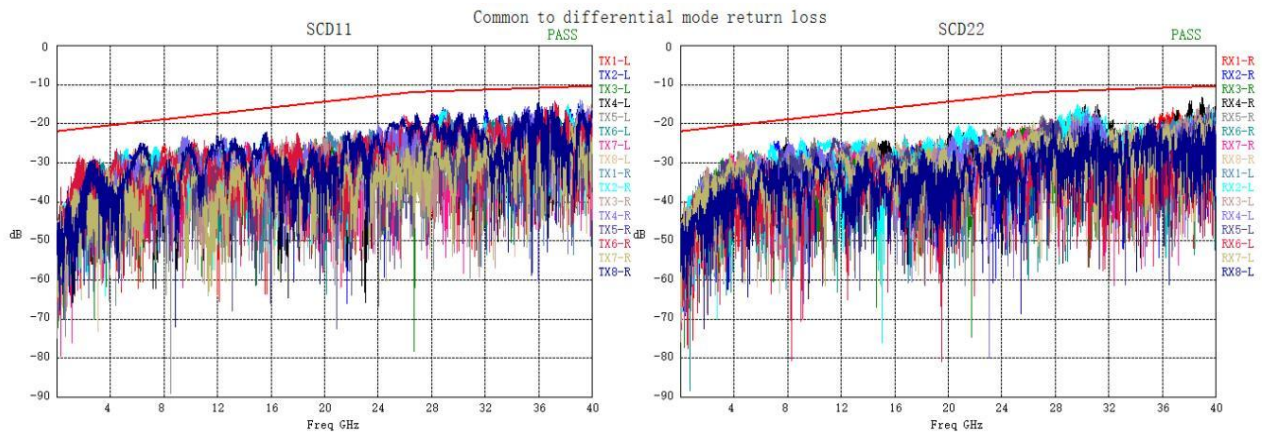
Contact US:  
Email: [sales@wiitek.com](mailto:sales@wiitek.com)  
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Return Loss Results



Insertion Loss Results



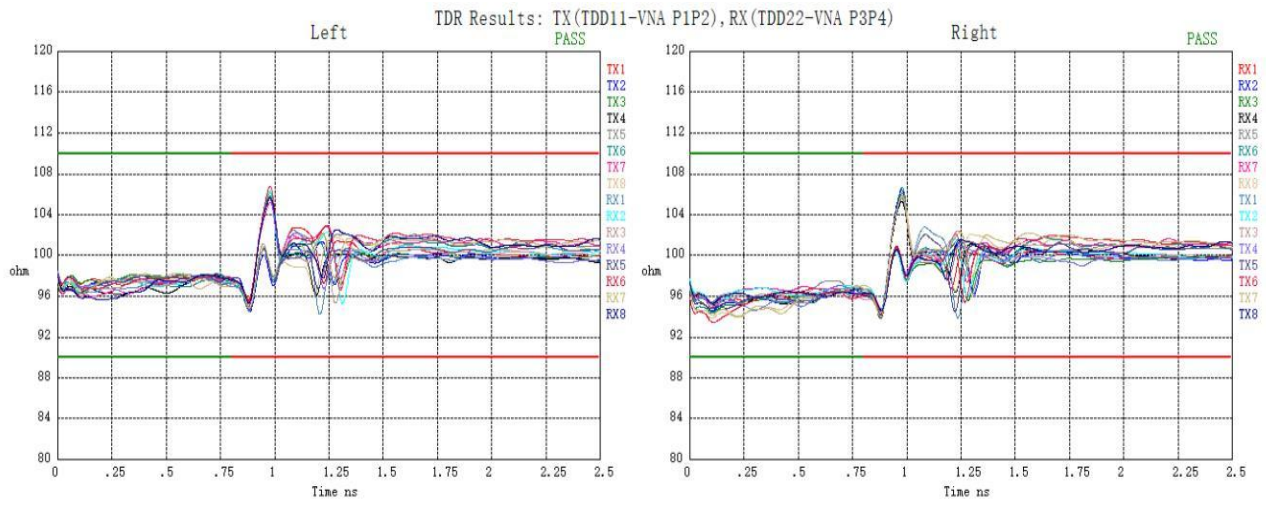


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## Differential Impedance

TDR Results @35ps (20-80%),TX(TDD11-VNA P1P2),RX(TDD22-VNA P3P4)

| TX1---->RX1 |     |            |      |       | RX1---->TX1 |       |     |            |      |       |         |
|-------------|-----|------------|------|-------|-------------|-------|-----|------------|------|-------|---------|
| Type        |     | Value(ohm) | Spec | Value | Results     | Type  |     | Value(ohm) | Spec | Value | Results |
| TDD11       | MAX | 105.7      | OSFP | 4.3   | PASS        | TDD11 | MAX | 105.6      | OSFP | 4.4   | PASS    |
|             | MIN | 95.7       | OSFP | 5.7   |             |       | MIN | 93.9       | OSFP | 3.9   |         |
| TDD22       | MAX | 100.6      | OSFP | 9.4   | PASS        | TDD22 | MAX | 100.8      | OSFP | 9.2   | PASS    |
|             | MIN | 94.3       | OSFP | 4.3   |             |       | MIN | 94.2       | OSFP | 4.2   |         |
| TX2---->RX2 |     |            |      |       | RX2---->TX2 |       |     |            |      |       |         |
| Type        |     | Value(ohm) | Spec | Value | Results     | Type  |     | Value(ohm) | Spec | Value | Results |
| TDD11       | MAX | 101.4      | OSFP | 8.6   | PASS        | TDD11 | MAX | 101.7      | OSFP | 8.3   | PASS    |
|             | MIN | 94.5       | OSFP | 4.5   |             |       | MIN | 94.6       | OSFP | 4.6   |         |
| TDD22       | MAX | 106.4      | OSFP | 3.6   | PASS        | TDD22 | MAX | 106.4      | OSFP | 3.6   | PASS    |
|             | MIN | 93.9       | OSFP | 3.9   |             |       | MIN | 95.3       | OSFP | 5.3   |         |
| TX3---->RX3 |     |            |      |       | RX3---->TX3 |       |     |            |      |       |         |
| Type        |     | Value(ohm) | Spec | Value | Results     | Type  |     | Value(ohm) | Spec | Value | Results |
| TDD11       | MAX | 105.8      | OSFP | 4.2   | PASS        | TDD11 | MAX | 105.9      | OSFP | 4.1   | PASS    |
|             | MIN | 95.3       | OSFP | 5.3   |             |       | MIN | 94.1       | OSFP | 4.1   |         |
| TDD22       | MAX | 100.9      | OSFP | 9.1   | PASS        | TDD22 | MAX | 102.1      | OSFP | 7.9   | PASS    |
|             | MIN | 94.5       | OSFP | 4.5   |             |       | MIN | 94.7       | OSFP | 4.7   |         |
| TX4---->RX4 |     |            |      |       | RX4---->TX4 |       |     |            |      |       |         |
| Type        |     | Value(ohm) | Spec | Value | Results     | Type  |     | Value(ohm) | Spec | Value | Results |
| TDD11       | MAX | 100.7      | OSFP | 9.3   | PASS        | TDD11 | MAX | 100.9      | OSFP | 9.1   | PASS    |
|             | MIN | 94.6       | OSFP | 4.6   |             |       | MIN | 94.6       | OSFP | 4.6   |         |
| TDD22       | MAX | 105.3      | OSFP | 4.7   | PASS        | TDD22 | MAX | 105.6      | OSFP | 4.4   | PASS    |
|             | MIN | 93.8       | OSFP | 3.8   |             |       | MIN | 95.2       | OSFP | 5.2   |         |
| TX5---->RX5 |     |            |      |       | RX5---->TX5 |       |     |            |      |       |         |
| Type        |     | Value(ohm) | Spec | Value | Results     | Type  |     | Value(ohm) | Spec | Value | Results |
| TDD11       | MAX | 106.2      | OSFP | 3.8   | PASS        | TDD11 | MAX | 106.2      | OSFP | 3.8   | PASS    |
|             | MIN | 95.4       | OSFP | 5.4   |             |       | MIN | 94.2       | OSFP | 4.2   |         |
| TDD22       | MAX | 101.5      | OSFP | 8.5   | PASS        | TDD22 | MAX | 101.2      | OSFP | 8.8   | PASS    |
|             | MIN | 94.8       | OSFP | 4.8   |             |       | MIN | 94.7       | OSFP | 4.7   |         |
| TX6---->RX6 |     |            |      |       | RX6---->TX6 |       |     |            |      |       |         |
| Type        |     | Value(ohm) | Spec | Value | Results     | Type  |     | Value(ohm) | Spec | Value | Results |
| TDD11       | MAX | 102        | OSFP | 8     | PASS        | TDD11 | MAX | 101.9      | OSFP | 8.1   | PASS    |
|             | MIN | 94.5       | OSFP | 4.5   |             |       | MIN | 93.4       | OSFP | 3.4   |         |
| TDD22       | MAX | 106.7      | OSFP | 3.3   | PASS        | TDD22 | MAX | 106.8      | OSFP | 3.2   | PASS    |
|             | MIN | 93.9       | OSFP | 3.9   |             |       | MIN | 95.5       | OSFP | 5.5   |         |
| TX7---->RX7 |     |            |      |       | RX7---->TX7 |       |     |            |      |       |         |
| Type        |     | Value(ohm) | Spec | Value | Results     | Type  |     | Value(ohm) | Spec | Value | Results |
| TDD11       | MAX | 105.2      | OSFP | 4.8   | PASS        | TDD11 | MAX | 105.9      | OSFP | 4.1   | PASS    |
|             | MIN | 95.1       | OSFP | 5.1   |             |       | MIN | 93.9       | OSFP | 3.9   |         |
| TDD22       | MAX | 102.1      | OSFP | 7.9   | PASS        | TDD22 | MAX | 102.2      | OSFP | 7.8   | PASS    |
|             | MIN | 94.7       | OSFP | 4.7   |             |       | MIN | 94.9       | OSFP | 4.9   |         |
| TX8---->RX8 |     |            |      |       | RX8---->TX8 |       |     |            |      |       |         |
| Type        |     | Value(ohm) | Spec | Value | Results     | Type  |     | Value(ohm) | Spec | Value | Results |
| TDD11       | MAX | 101.8      | OSFP | 8.2   | PASS        | TDD11 | MAX | 101.5      | OSFP | 8.5   | PASS    |
|             | MIN | 94.7       | OSFP | 4.7   |             |       | MIN | 94.6       | OSFP | 4.6   |         |
| TDD22       | MAX | 106.1      | OSFP | 3.9   | PASS        | TDD22 | MAX | 105.6      | OSFP | 4.4   | PASS    |
|             | MIN | 93.9       | OSFP | 3.9   |             |       | MIN | 95.4       | OSFP | 5.4   |         |



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