

Test Information

| | |
|---------------------------------|-----------------------------------|
| Test Time : 2026/05/11 16:48:45 | Temperature:27C |
| Standard:TIA-568. 2-D Cat6A | Test Result:Pass |
| Cable Length:305m | Cable Type:F/UTP CAT6A 0.565 LSZH |
| Tester: | Cable ID:018 |

Test Result List

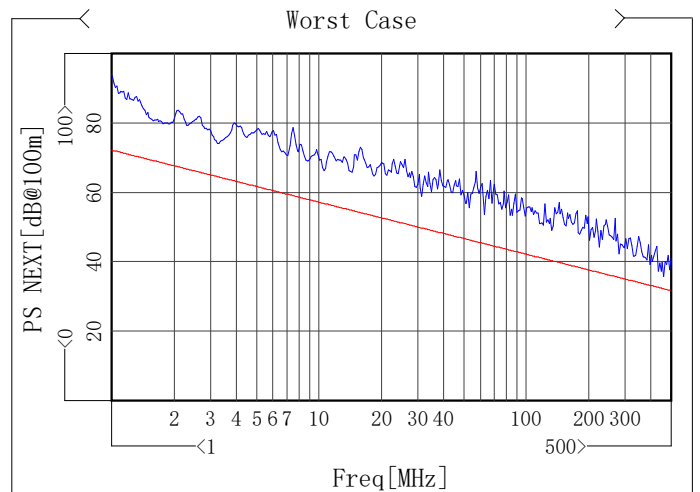
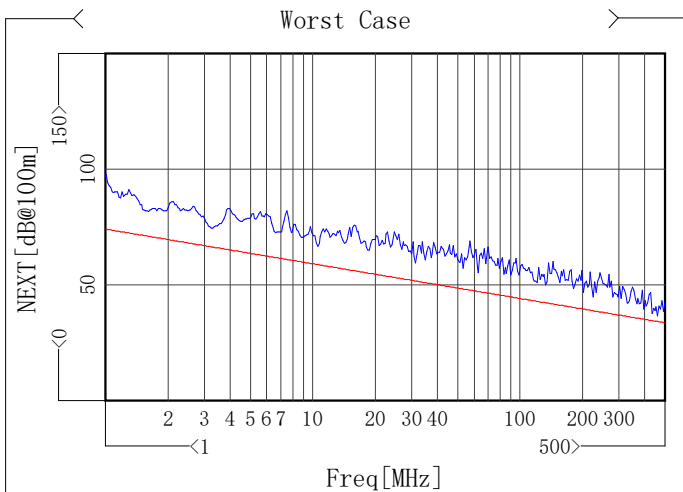
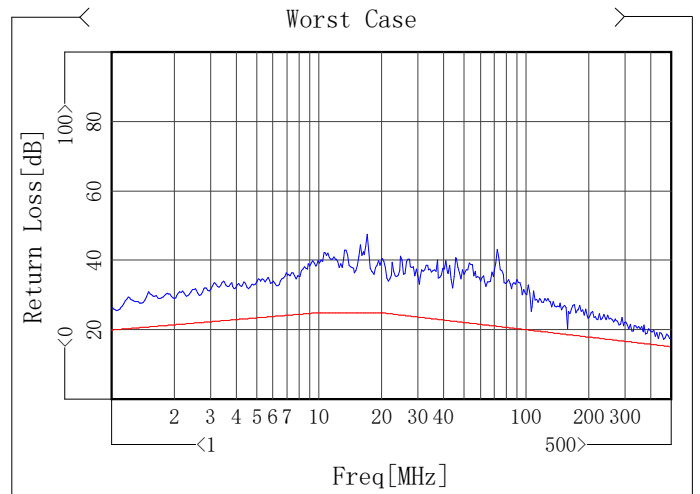
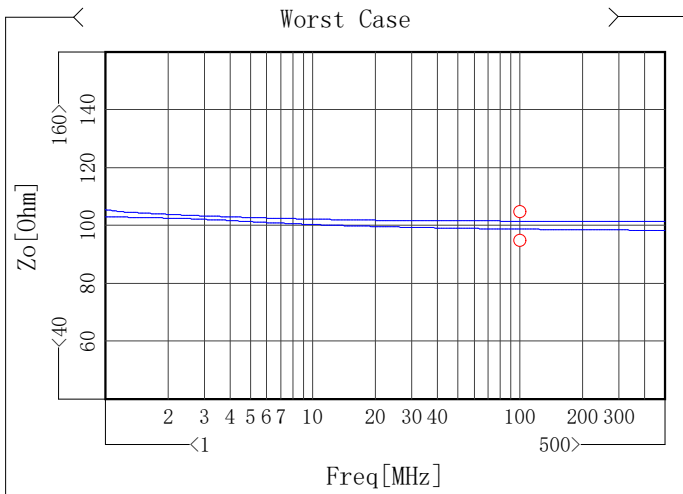
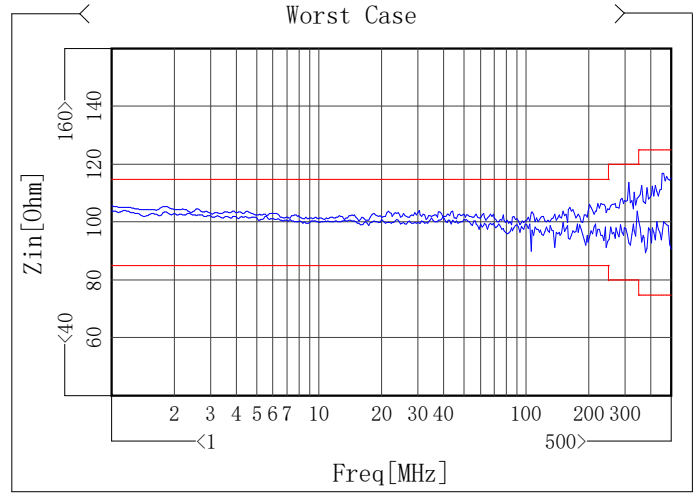
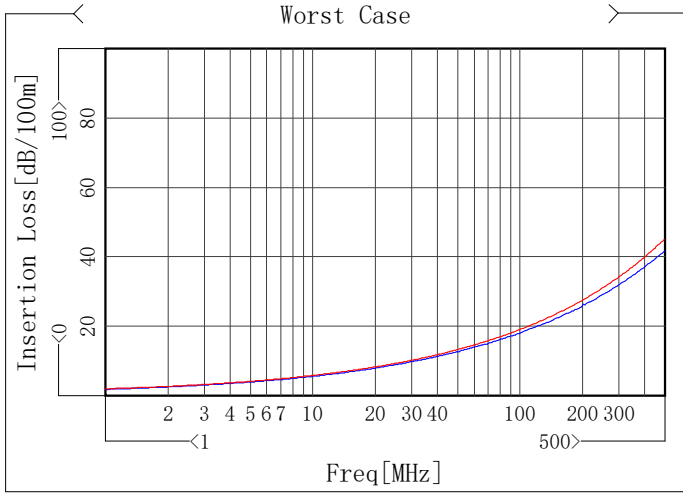
| Test Item | Unit | Test Result |
|----------------|---------|-------------|
| Insertion Loss | dB/100m | Pass |
| Zin | Ohm | Pass |
| Zo | Ohm | Pass |
| Return Loss | dB | Pass |
| NEXT | dB@100m | Pass |
| PS NEXT | dB@100m | Pass |

Inspector:
Date :

Assessor :
Date :

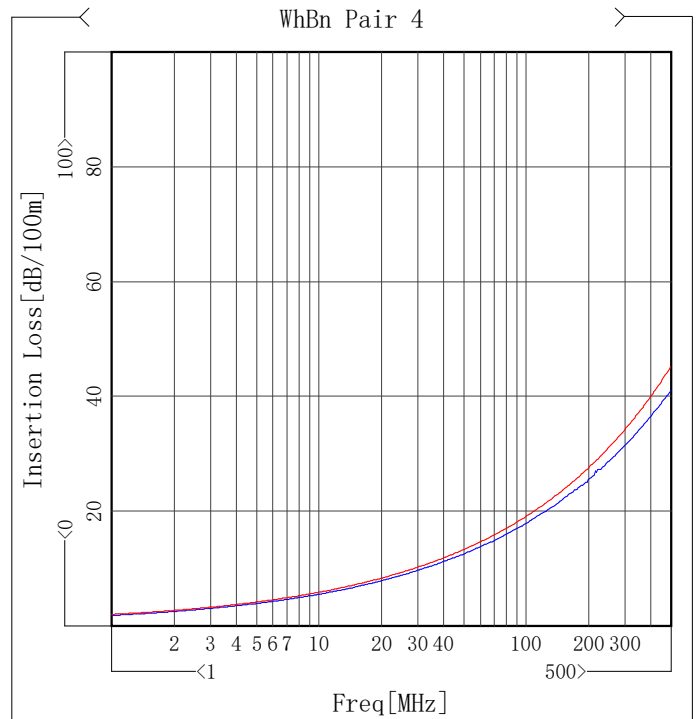
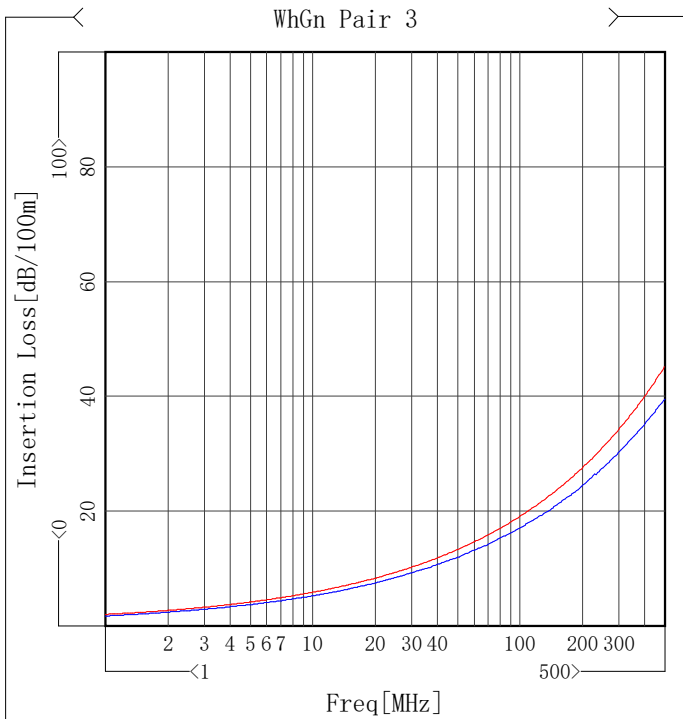
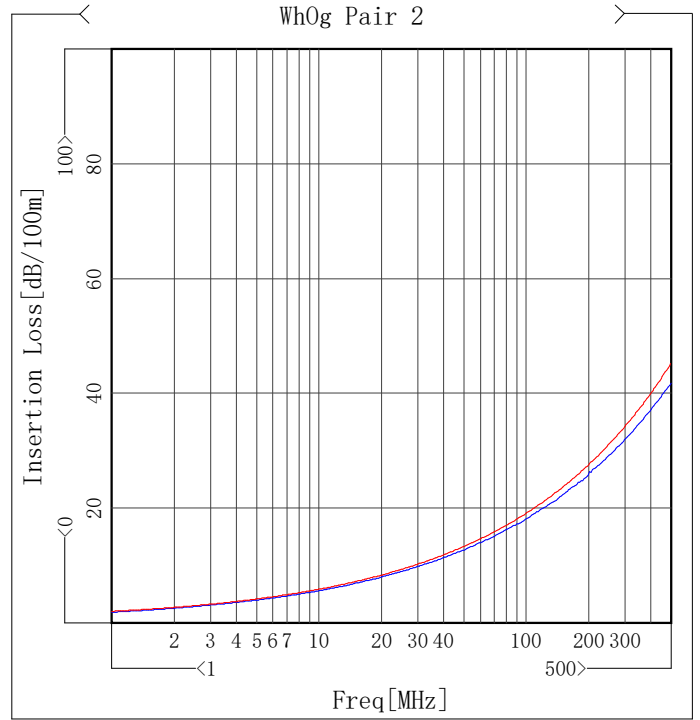
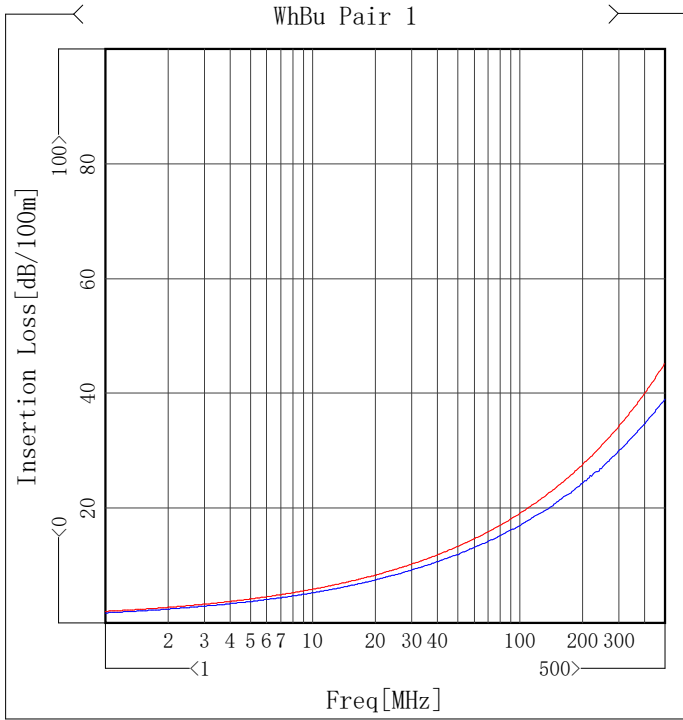
Worst Summary Of High Freq Parameter

| Item | Max | Freq[MHz] | Spec | Margin | Min | Freq[MHz] | Spec | Margin |
|---------------------------|--------|-----------|--------|--------|-------|-----------|-------|--------|
| ✓ Insertion Loss[dB/100m] | 2.63 | 2.02 | 2.78 | 0.15 | / | / | / | / |
| ✓ Zin[Ohm] | 113.96 | 317.44 | 120.00 | 6.04 | 90.06 | 106.82 | 85.00 | 5.06 |
| ✓ Zo[Ohm] | 101.68 | 100.00 | 105.00 | 3.32 | 98.90 | 100.00 | 95.00 | 3.90 |
| ✓ Return Loss[dB] | / | / | / | / | 21.45 | 160.28 | 18.67 | 2.78 |
| ✓ NEXT[dB@100m] | / | / | / | / | 37.67 | 466.61 | 34.27 | 3.40 |
| ✓ PS NEXT[dB@100m] | / | / | / | / | 35.76 | 466.61 | 32.27 | 3.49 |



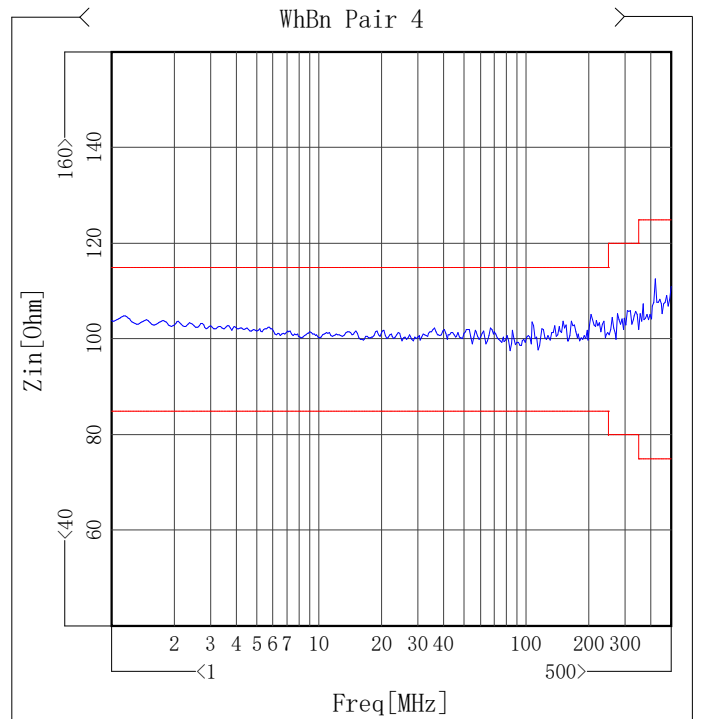
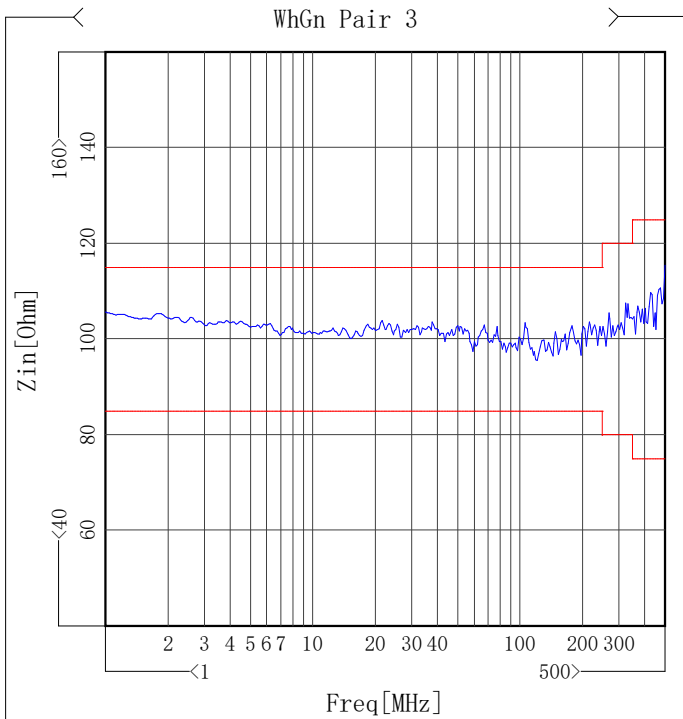
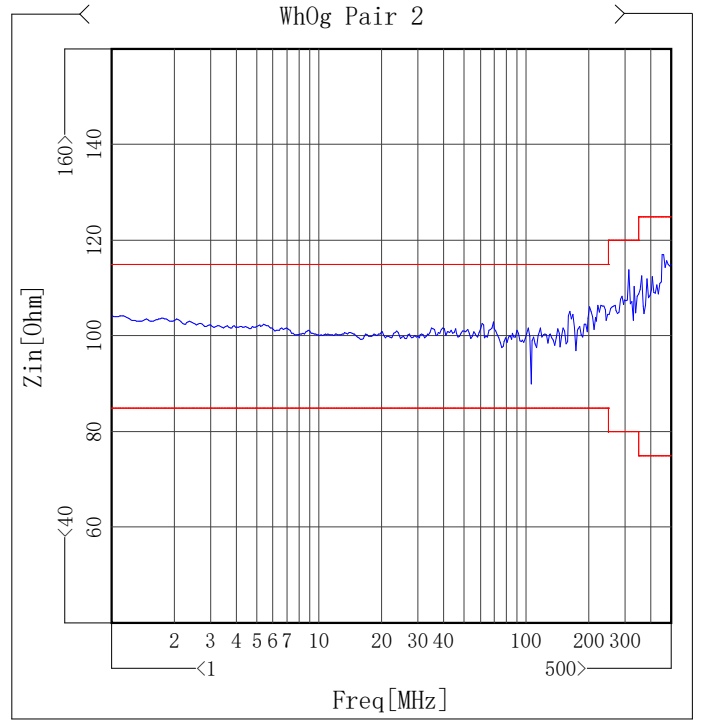
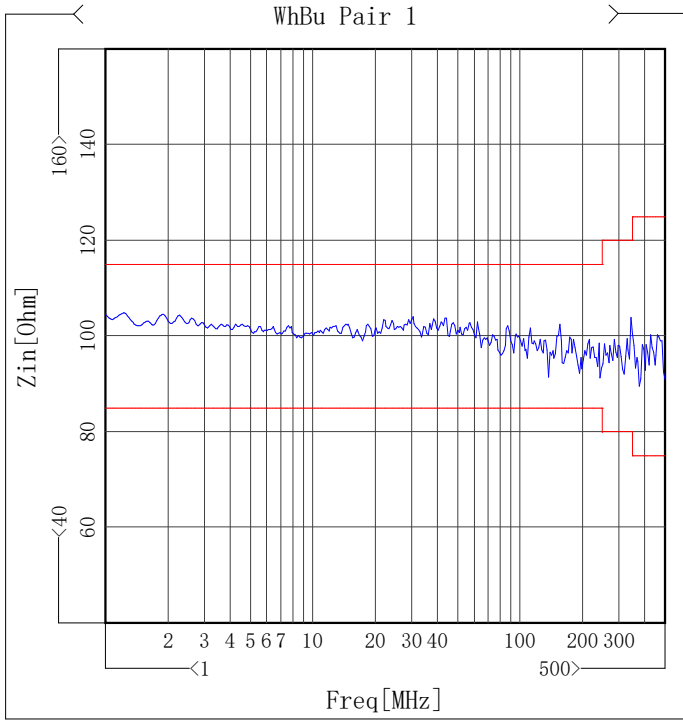
Insertion Loss

| Item | Max [dB/100m] | Freq[MHz] | Spec [dB/100m] | Margin [dB/100m] |
|-------------|---------------|-----------|----------------|------------------|
| WhBu Pair 1 | 2.00 | 1.25 | 2.27 | 0.27 |
| WhOg Pair 2 | 2.63 | 2.02 | 2.78 | 0.15 |
| WhGn Pair 3 | 2.11 | 1.44 | 2.40 | 0.29 |
| WhBn Pair 4 | 2.47 | 1.81 | 2.65 | 0.18 |



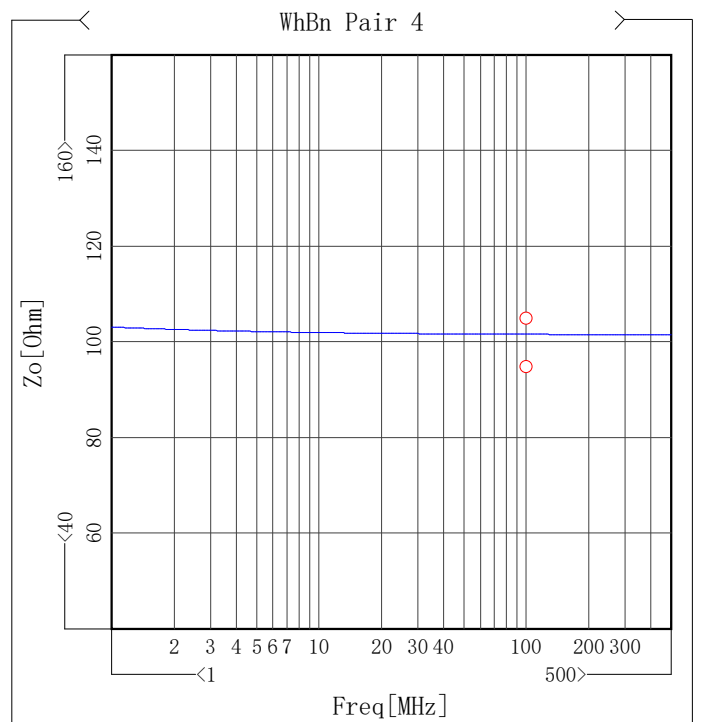
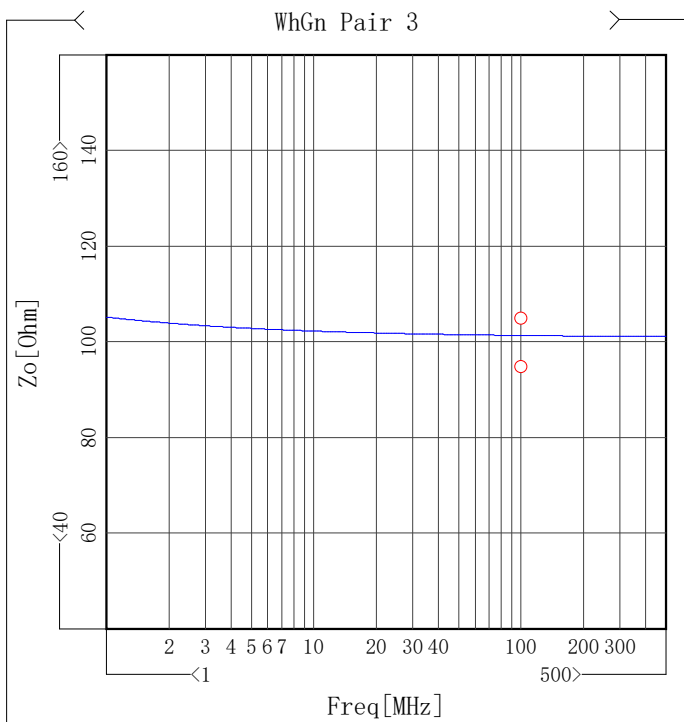
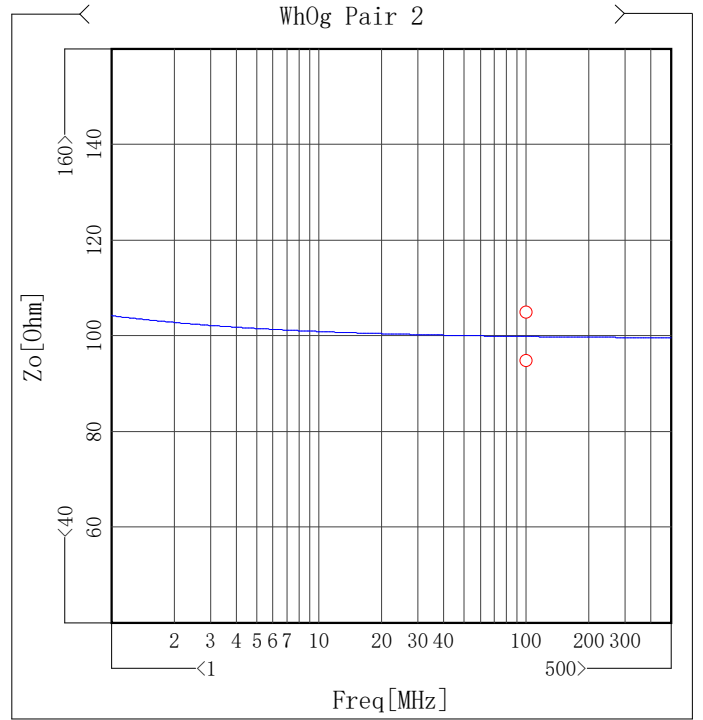
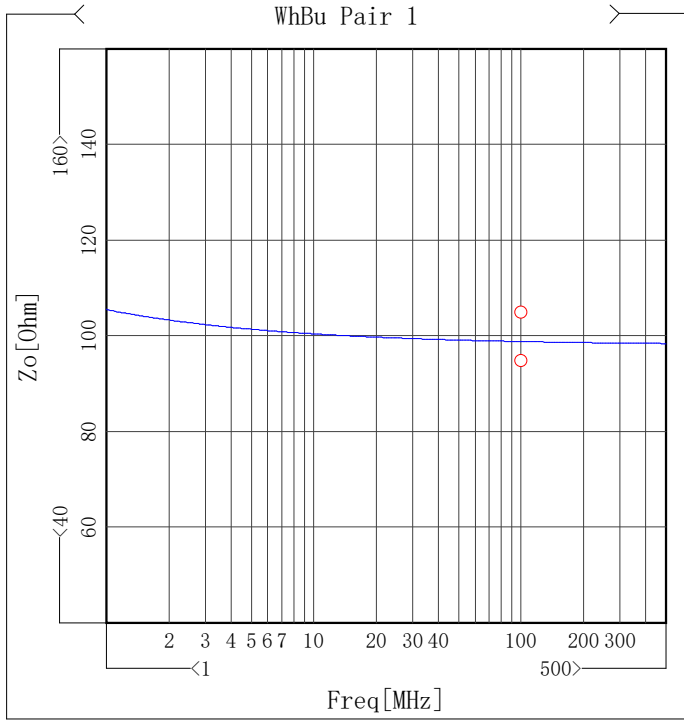
Zin

| Item | Max [Ohm] | Freq[MHz] | Spec [Ohm] | Margin [Ohm] | Min [Ohm] | Freq[MHz] | Spec [Ohm] | Margin [Ohm] |
|---------------|-----------|-----------|------------|--------------|-----------|-----------|------------|--------------|
| ✓ WhBu Pair 1 | 104.84 | 1.24 | 115.00 | 10.16 | 91.26 | 246.45 | 85.00 | 6.26 |
| ✓ WhOg Pair 2 | 113.96 | 317.44 | 120.00 | 6.04 | 90.06 | 106.82 | 85.00 | 5.06 |
| ✓ WhGn Pair 3 | 105.75 | 1.00 | 115.00 | 9.25 | 95.59 | 123.00 | 85.00 | 10.59 |
| ✓ WhBn Pair 4 | 105.21 | 208.21 | 115.00 | 9.79 | 97.66 | 84.75 | 85.00 | 12.66 |



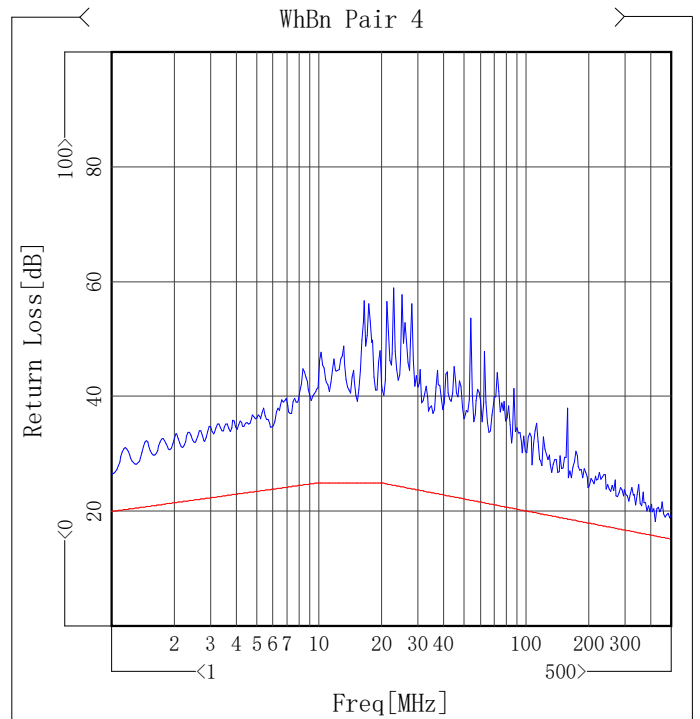
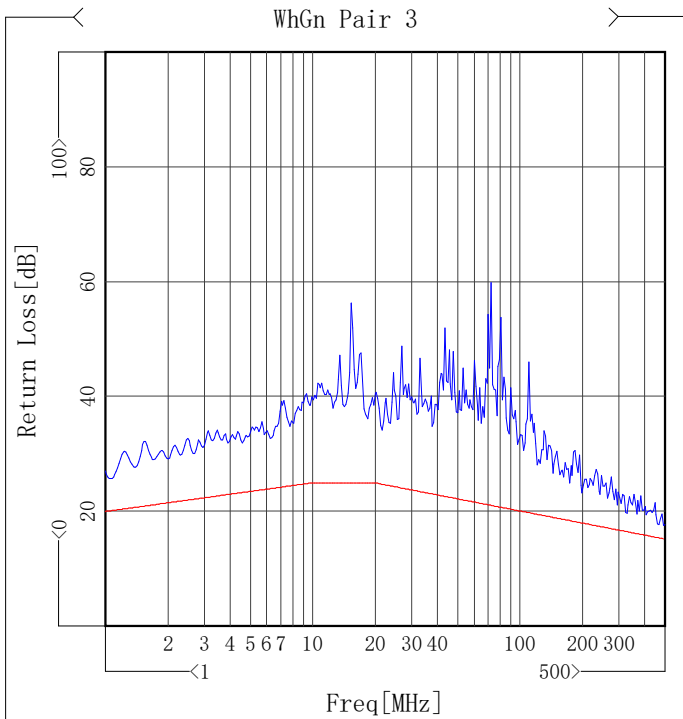
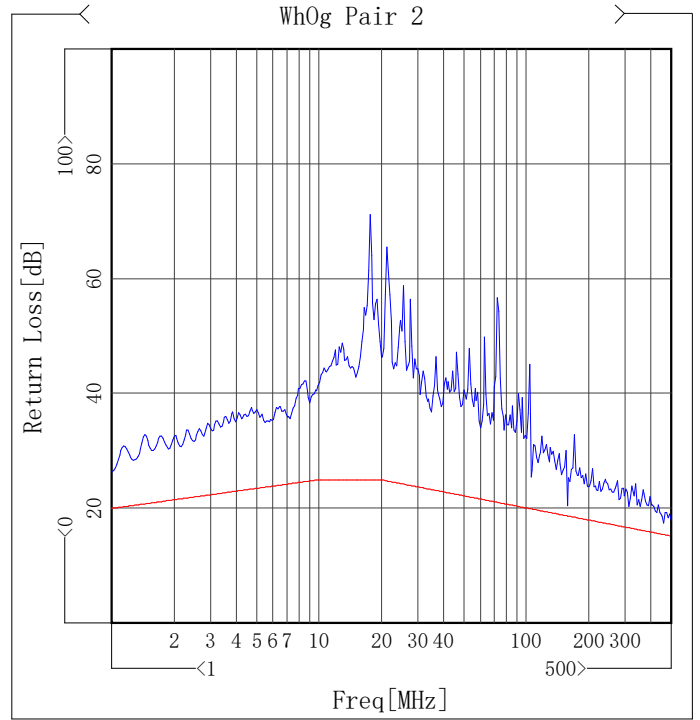
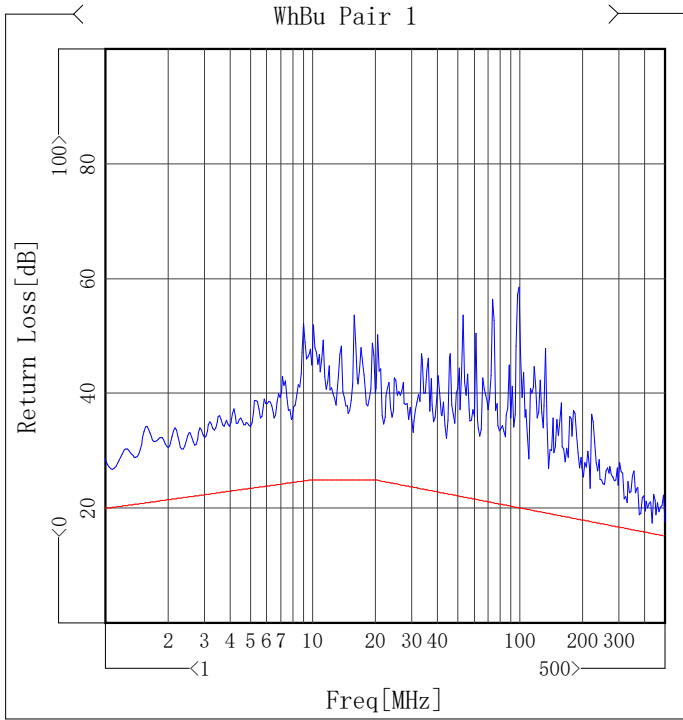
Z₀

| Item | Max [Ohm] | Freq[MHz] | Spec [Ohm] | Margin [Ohm] | Min [Ohm] | Freq[MHz] | Spec [Ohm] | Margin [Ohm] |
|---------------|-----------|-----------|------------|--------------|-----------|-----------|------------|--------------|
| ✓ WhBu Pair 1 | 98.90 | 100.00 | 105.00 | 6.10 | 98.90 | 100.00 | 95.00 | 3.90 |
| ✓ WhOg Pair 2 | 99.96 | 100.00 | 105.00 | 5.04 | 99.96 | 100.00 | 95.00 | 4.96 |
| ✓ WhGn Pair 3 | 101.44 | 100.00 | 105.00 | 3.56 | 101.44 | 100.00 | 95.00 | 6.44 |
| ✓ WhBn Pair 4 | 101.68 | 100.00 | 105.00 | 3.32 | 101.68 | 100.00 | 95.00 | 6.68 |



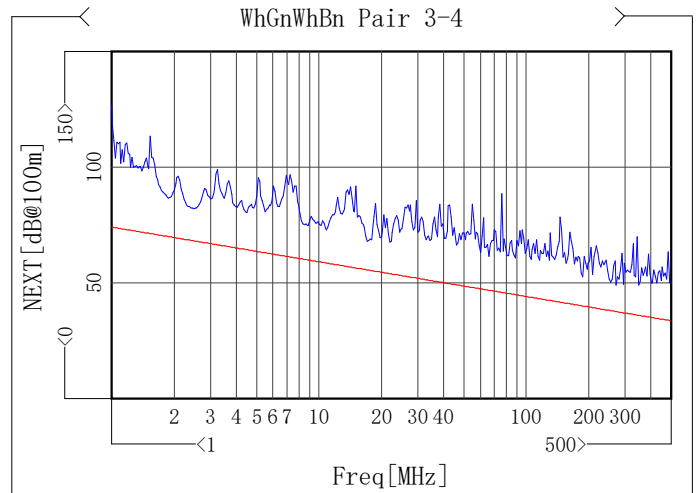
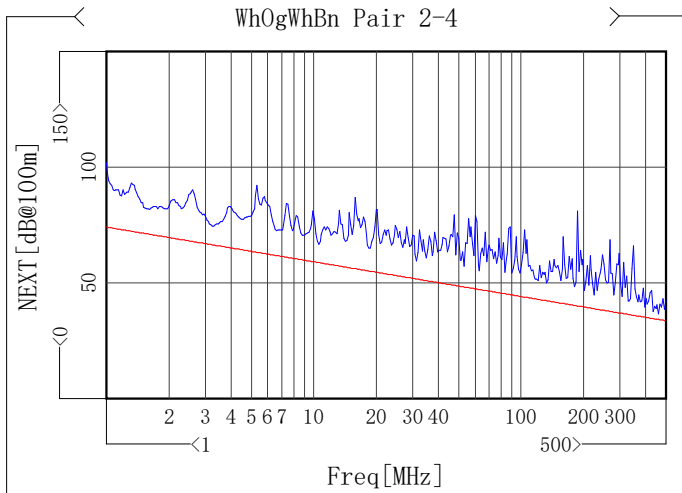
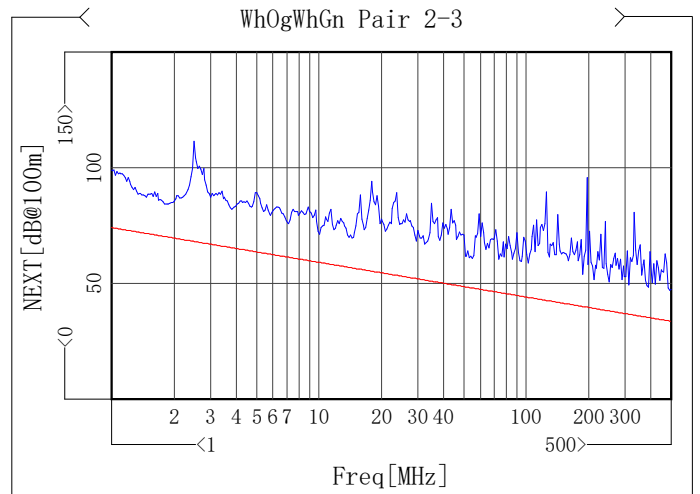
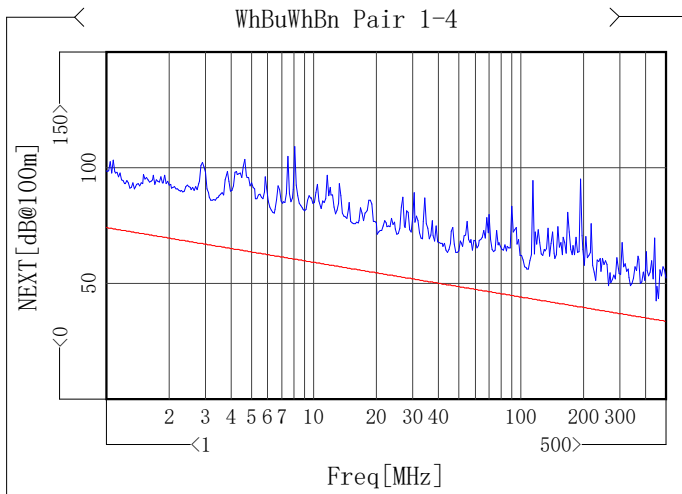
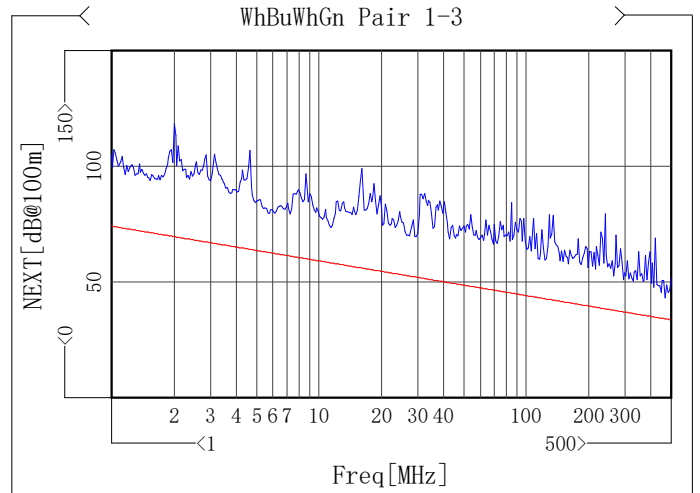
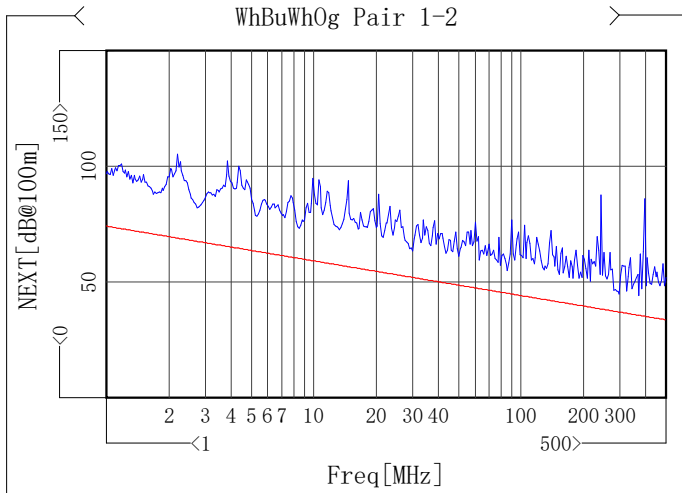
Return Loss

| Item | Min [dB] | Freq[MHz] | Spec [dB] | Margin [dB] |
|-------------|----------|-----------|-----------|-------------|
| WhBu Pair 1 | 18.50 | 439.90 | 15.60 | 2.90 |
| WhOg Pair 2 | 21.45 | 160.28 | 18.67 | 2.78 |
| WhGn Pair 3 | 18.54 | 493.32 | 15.26 | 3.28 |
| WhBn Pair 4 | 19.26 | 426.55 | 15.70 | 3.56 |



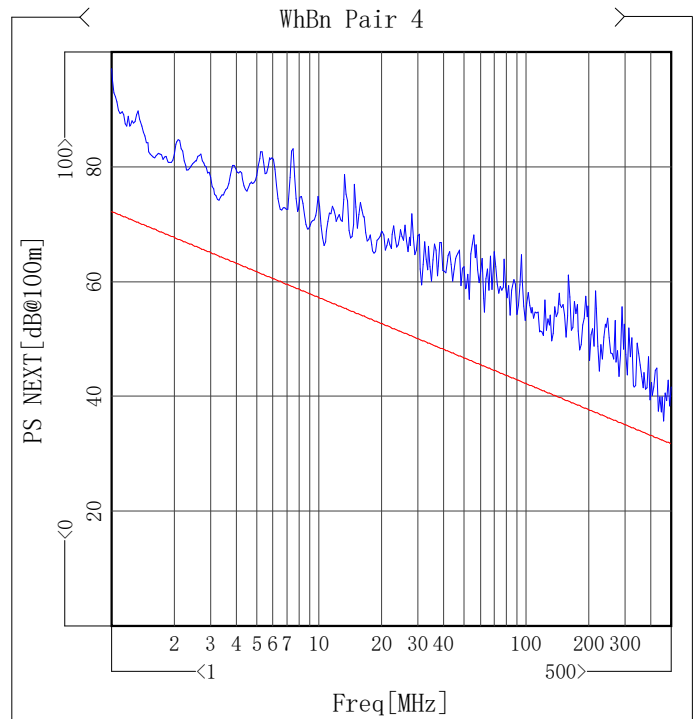
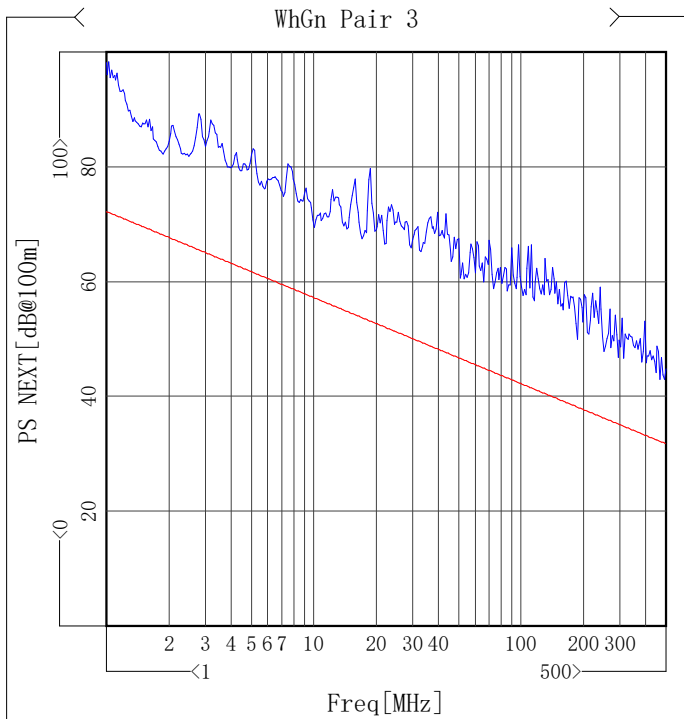
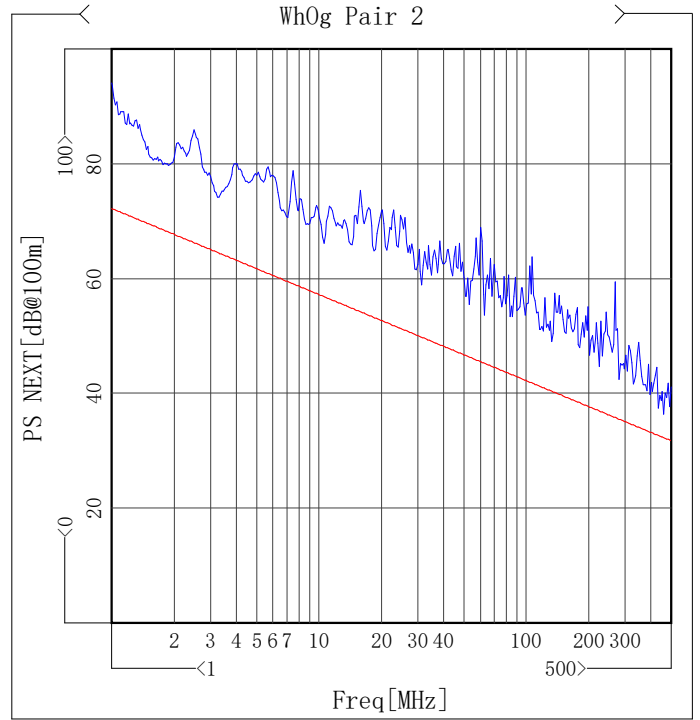
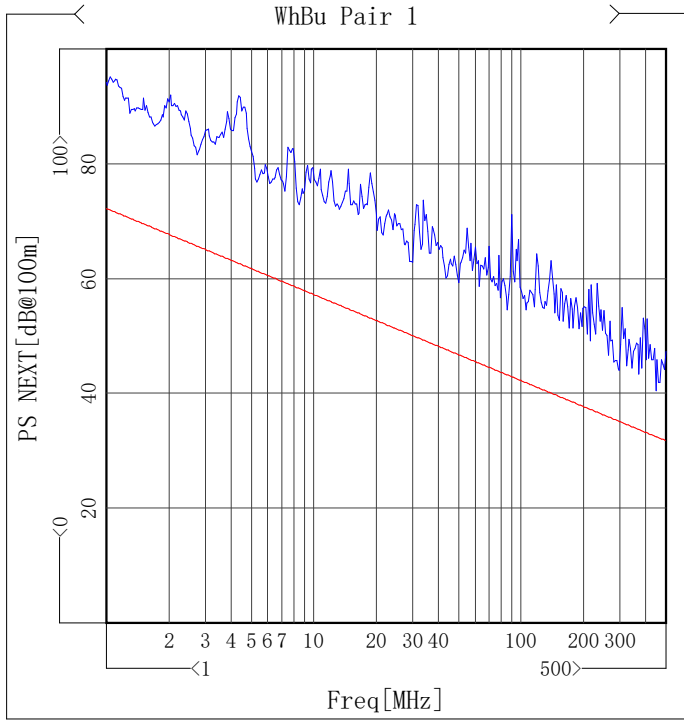
NEXT

| Item | Min [dB@100m] | Freq[MHz] | Spec [dB@100m] | Margin [dB@100m] |
|-------------------|---------------|-----------|----------------|------------------|
| WhBuWhOg Pair 1-2 | 44.99 | 302.99 | 37.08 | 7.91 |
| WhBuWhGn Pair 1-3 | 43.33 | 473.29 | 34.17 | 9.16 |
| WhBuWhBn Pair 1-4 | 42.65 | 453.26 | 34.45 | 8.20 |
| WhOgWhGn Pair 2-3 | 71.52 | 10.15 | 59.20 | 12.32 |
| WhOgWhBn Pair 2-4 | 37.67 | 466.61 | 34.27 | 3.40 |
| WhGnWhBn Pair 3-4 | 49.06 | 274.08 | 37.73 | 11.33 |



PS NEXT

| Item | Min [dB@100m] | Freq[MHz] | Spec [dB@100m] | Margin [dB@100m] |
|-------------|---------------|-----------|----------------|------------------|
| WhBu Pair 1 | 40.55 | 453.26 | 32.45 | 8.10 |
| WhOg Pair 2 | 36.41 | 466.61 | 32.27 | 4.14 |
| WhGn Pair 3 | 42.97 | 473.29 | 32.17 | 10.80 |
| WhBn Pair 4 | 35.76 | 466.61 | 32.27 | 3.49 |



Insertion Loss[dB/100m]

| No. | Freq [MHz] | Spec (Max) | WhBu | WhOg | WhGn | WhBn |
|-----|------------|------------|--------|--------|--------|--------|
| | | | Pair 1 | Pair 2 | Pair 3 | Pair 4 |
| 1 | 1 | 2.08 | 1.80 | 1.91 | 1.79 | 1.88 |
| 2 | 4 | 3.8 | 3.39 | 3.61 | 3.39 | 3.56 |
| 3 | 8 | 5.31 | 4.73 | 5.05 | 4.74 | 4.98 |
| 4 | 10 | 5.93 | 5.28 | 5.63 | 5.29 | 5.56 |
| 5 | 16 | 7.49 | 6.70 | 7.14 | 6.71 | 7.05 |
| 6 | 20 | 8.38 | 7.51 | 8.00 | 7.53 | 7.90 |
| 7 | 25 | 9.38 | 8.42 | 8.96 | 8.44 | 8.85 |
| 8 | 31.25 | 10.5 | 9.43 | 10.04 | 9.45 | 9.91 |
| 9 | 50 | 13.36 | 11.96 | 12.72 | 12.00 | 12.57 |
| 10 | 62.5 | 14.99 | 13.39 | 14.25 | 13.43 | 14.07 |
| 11 | 100 | 19.13 | 17.00 | 18.09 | 17.07 | 17.86 |
| 12 | 125 | 21.51 | 19.06 | 20.29 | 19.12 | 20.01 |
| 13 | 200 | 27.58 | 24.32 | 25.71 | 24.39 | 25.34 |
| 14 | 250 | 31.07 | 26.97 | 29.03 | 27.44 | 28.60 |
| 15 | 300 | 34.27 | 29.79 | 31.82 | 30.10 | 31.33 |
| 16 | 350 | 37.25 | 32.37 | 34.61 | 32.75 | 34.06 |
| 17 | 400 | 40.05 | 34.59 | 37.01 | 35.04 | 36.41 |
| 18 | 450 | 42.71 | 36.74 | 39.34 | 37.26 | 38.68 |
| 19 | 500 | 45.26 | 39.03 | 41.82 | 39.63 | 41.10 |

Zin[Ohm]

| No. | Freq [MHz] | Spec | | WhBu | WhOg | WhGn | WhBn |
|-----|------------|-------|-------|--------|--------|--------|--------|
| | | (Max) | (Min) | Pair 1 | Pair 2 | Pair 3 | Pair 4 |
| 1 | 1 | 115 | 85 | 104.71 | 104.33 | 105.75 | 103.98 |
| 2 | 4 | 115 | 85 | 102.19 | 102.06 | 103.63 | 102.55 |
| 3 | 8 | 115 | 85 | 101.88 | 100.27 | 102.08 | 100.96 |
| 4 | 10 | 115 | 85 | 100.67 | 100.28 | 101.34 | 100.39 |
| 5 | 16 | 115 | 85 | 99.78 | 99.40 | 100.80 | 100.14 |
| 6 | 20 | 115 | 85 | 100.78 | 100.74 | 102.19 | 101.04 |
| 7 | 25 | 115 | 85 | 101.63 | 99.67 | 101.62 | 100.75 |
| 8 | 31.25 | 115 | 85 | 103.07 | 100.10 | 102.25 | 100.06 |
| 9 | 50 | 115 | 85 | 101.05 | 101.13 | 102.71 | 101.07 |
| 10 | 62.5 | 115 | 85 | 101.19 | 102.59 | 98.66 | 101.46 |
| 11 | 100 | 115 | 85 | 99.81 | 99.77 | 100.33 | 99.66 |
| 12 | 125 | 115 | 85 | 97.77 | 100.44 | 97.10 | 100.34 |
| 13 | 200 | 115 | 85 | 94.04 | 102.73 | 99.54 | 100.59 |
| 14 | 250 | 115 | 85 | 93.45 | 104.65 | 100.78 | 101.35 |
| 15 | 300 | 120 | 80 | 96.56 | 107.00 | 102.84 | 102.94 |
| 16 | 350 | 120 | 80 | 101.30 | 108.67 | 104.31 | 102.81 |
| 17 | 400 | 125 | 75 | 97.18 | 108.63 | 103.34 | 105.12 |
| 18 | 450 | 125 | 75 | 95.34 | 111.29 | 104.21 | 107.90 |
| 19 | 500 | 125 | 75 | 90.98 | 115.08 | 115.45 | 111.07 |

Zo[Ohm]

| No. | Freq [MHz] | Spec | | WhBu | WhOg | WhGn | WhBn |
|-----|------------|-------|-------|--------|--------|--------|--------|
| | | (Max) | (Min) | Pair 1 | Pair 2 | Pair 3 | Pair 4 |
| 1 | 1 | \ | \ | 105.62 | 104.35 | 105.30 | 103.21 |

Zo[Ohm] (Continuation 1)

| No. | Freq [MHz] | Spec | | WhBu Pair 1 | WhOg Pair 2 | WhGn Pair 3 | WhBn Pair 4 |
|-----|------------|-------|-------|-------------|-------------|-------------|-------------|
| | | (Max) | (Min) | | | | |
| 2 | 4 | \ | \ | 101.89 | 101.91 | 103.15 | 102.36 |
| 3 | 8 | \ | \ | 100.80 | 101.19 | 102.52 | 102.11 |
| 4 | 10 | \ | \ | 100.52 | 101.01 | 102.36 | 102.05 |
| 5 | 16 | \ | \ | 100.02 | 100.69 | 102.08 | 101.94 |
| 6 | 20 | \ | \ | 99.83 | 100.56 | 101.97 | 101.89 |
| 7 | 25 | \ | \ | 99.65 | 100.44 | 101.86 | 101.85 |
| 8 | 31.25 | \ | \ | 99.49 | 100.34 | 101.77 | 101.81 |
| 9 | 50 | \ | \ | 99.21 | 100.16 | 101.61 | 101.75 |
| 10 | 62.5 | \ | \ | 99.10 | 100.09 | 101.55 | 101.73 |
| 11 | 100 | 105 | 95 | 98.90 | 99.96 | 101.44 | 101.68 |
| 12 | 125 | \ | \ | 98.82 | 99.90 | 101.39 | 101.66 |
| 13 | 200 | \ | \ | 98.68 | 99.81 | 101.31 | 101.63 |
| 14 | 250 | \ | \ | 98.63 | 99.78 | 101.28 | 101.62 |
| 15 | 300 | \ | \ | 98.59 | 99.75 | 101.25 | 101.61 |
| 16 | 350 | \ | \ | 98.56 | 99.73 | 101.24 | 101.60 |
| 17 | 400 | \ | \ | 98.53 | 99.71 | 101.22 | 101.60 |
| 18 | 450 | \ | \ | 98.51 | 99.70 | 101.21 | 101.59 |
| 19 | 500 | \ | \ | 98.49 | 99.69 | 101.20 | 101.59 |

Return Loss[dB]

| No. | Freq [MHz] | Spec (Min) | WhBu Pair 1 | WhOg Pair 2 | WhGn Pair 3 | WhBn Pair 4 |
|-----|------------|------------|-------------|-------------|-------------|-------------|
| 1 | 1 | 20 | 28.69 | 26.38 | 27.08 | 26.64 |
| 2 | 4 | 23.01 | 34.50 | 35.36 | 32.07 | 35.14 |
| 3 | 8 | 24.52 | 35.58 | 39.93 | 35.79 | 39.17 |
| 4 | 10 | 25 | 46.24 | 41.48 | 39.88 | 42.38 |
| 5 | 16 | 25 | 49.97 | 45.91 | 47.01 | 43.57 |
| 6 | 20 | 25 | 43.69 | 47.84 | 39.48 | 45.30 |
| 7 | 25 | 24.32 | 41.55 | 52.49 | 41.80 | 45.78 |
| 8 | 31.25 | 23.64 | 34.80 | 40.66 | 38.98 | 44.19 |
| 9 | 50 | 22.21 | 40.70 | 40.02 | 37.27 | 36.62 |
| 10 | 62.5 | 21.54 | 43.79 | 36.58 | 40.34 | 37.08 |
| 11 | 100 | 20.11 | 56.10 | 32.58 | 32.82 | 30.46 |
| 12 | 125 | 19.43 | 37.45 | 30.33 | 29.00 | 30.73 |
| 13 | 200 | 18 | 27.87 | 23.84 | 23.79 | 24.86 |
| 14 | 250 | 17.32 | 24.91 | 24.28 | 26.27 | 24.68 |
| 15 | 300 | 16.77 | 25.90 | 23.02 | 22.03 | 23.15 |
| 16 | 350 | 16.3 | 25.10 | 21.31 | 21.19 | 24.32 |
| 17 | 400 | 15.89 | 22.08 | 22.03 | 20.22 | 20.03 |
| 18 | 450 | 15.53 | 21.91 | 19.11 | 20.91 | 20.25 |
| 19 | 500 | 15.21 | 18.57 | 18.99 | 18.72 | 19.48 |

NEXT [dB@100m]

| No. | Freq [MHz] | Spec (Min) | WhBuWhOg Pair 1-2 | WhBuWhGn Pair 1-3 | WhBuWhBn Pair 1-4 | WhOgWhGn Pair 2-3 | WhOgWhBn Pair 2-4 | WhGnWhBn Pair 3-4 |
|-----|------------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1 | 1 | 74.3 | 96.76 | 104.99 | 98.84 | 99.30 | 102.18 | 127.03 |
| 2 | 4 | 65.27 | 94.60 | 89.92 | 91.76 | 83.25 | 83.12 | 83.54 |

NEXT[dB@100m] (Continuation 1)

| No. | Freq [MHz] | Spec (Min) | WhBuWhOg Pair 1-2 | WhBuWhGn Pair 1-3 | WhBuWhBn Pair 1-4 | WhOgWhGn Pair 2-3 | WhOgWhBn Pair 2-4 | WhGnWhBn Pair 3-4 |
|-----|------------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 3 | 8 | 60.75 | 86.06 | 89.35 | 87.77 | 80.94 | 72.74 | 85.06 |
| 4 | 10 | 59.3 | 93.87 | 80.50 | 84.98 | 72.49 | 80.59 | 76.53 |
| 5 | 16 | 56.24 | 76.52 | 91.86 | 76.11 | 85.94 | 83.28 | 78.70 |
| 6 | 20 | 54.78 | 75.33 | 84.99 | 76.68 | 76.90 | 77.70 | 69.85 |
| 7 | 25 | 53.33 | 76.30 | 78.62 | 74.29 | 75.92 | 74.15 | 72.83 |
| 8 | 31.25 | 51.88 | 70.18 | 86.08 | 79.56 | 70.02 | 64.39 | 76.29 |
| 9 | 50 | 48.82 | 62.02 | 74.12 | 64.09 | 71.24 | 70.10 | 71.81 |
| 10 | 62.5 | 47.36 | 68.69 | 69.43 | 65.92 | 74.27 | 68.00 | 74.04 |
| 11 | 100 | 44.3 | 61.87 | 67.07 | 62.19 | 67.35 | 55.31 | 63.38 |
| 12 | 125 | 42.85 | 63.02 | 59.65 | 67.11 | 77.69 | 57.12 | 66.64 |
| 13 | 200 | 39.78 | 58.22 | 59.31 | 67.05 | 71.89 | 59.40 | 57.84 |
| 14 | 250 | 38.33 | 53.32 | 56.69 | 61.05 | 54.08 | 62.32 | 55.21 |
| 15 | 300 | 37.14 | 45.47 | 52.24 | 55.88 | 55.92 | 59.85 | 52.96 |
| 16 | 350 | 36.14 | 48.71 | 60.39 | 51.84 | 62.76 | 63.69 | 54.24 |
| 17 | 400 | 35.27 | 85.34 | 63.04 | 51.88 | 63.65 | 39.94 | 53.93 |
| 18 | 450 | 34.5 | 54.50 | 47.01 | 55.78 | 53.78 | 39.57 | 53.28 |
| 19 | 500 | 33.82 | 52.26 | 51.74 | 52.52 | 47.53 | 42.72 | 50.98 |

PS NEXT[dB@100m]

| No. | Freq [MHz] | Spec (Min) | WhBu Pair 1 | WhOg Pair 2 | WhGn Pair 3 | WhBn Pair 4 |
|-----|------------|------------|-------------|-------------|-------------|-------------|
| 1 | 1 | 72.3 | 94.29 | 94.10 | 98.26 | 97.18 |
| 2 | 4 | 63.27 | 86.82 | 80.01 | 79.92 | 79.99 |
| 3 | 8 | 58.75 | 82.67 | 71.94 | 79.08 | 72.36 |
| 4 | 10 | 57.3 | 79.00 | 71.82 | 70.57 | 74.65 |
| 5 | 16 | 54.24 | 73.19 | 74.49 | 77.47 | 73.21 |
| 6 | 20 | 52.78 | 72.63 | 71.24 | 68.93 | 68.30 |
| 7 | 25 | 51.33 | 71.12 | 70.54 | 70.36 | 68.82 |
| 8 | 31.25 | 49.88 | 69.30 | 62.19 | 68.86 | 63.69 |
| 9 | 50 | 46.82 | 59.68 | 60.94 | 67.45 | 62.54 |
| 10 | 62.5 | 45.36 | 62.89 | 62.41 | 66.68 | 60.93 |
| 11 | 100 | 42.3 | 58.36 | 54.06 | 60.54 | 53.93 |
| 12 | 125 | 40.85 | 57.43 | 56.08 | 58.70 | 56.29 |
| 13 | 200 | 37.78 | 53.72 | 53.67 | 53.91 | 55.14 |
| 14 | 250 | 36.33 | 51.15 | 50.31 | 50.42 | 53.58 |
| 15 | 300 | 35.14 | 44.27 | 44.89 | 48.03 | 49.94 |
| 16 | 350 | 34.14 | 46.65 | 48.34 | 49.28 | 47.88 |
| 17 | 400 | 33.27 | 51.17 | 39.89 | 52.99 | 39.50 |
| 18 | 450 | 32.5 | 44.13 | 39.23 | 45.18 | 38.60 |
| 19 | 500 | 31.82 | 47.39 | 41.14 | 44.90 | 41.74 |