Test Information

Test Time : 2024/02/29 17:17:50	Temperature:25C
Standard:TIA-568-C.2 Cat6	Test Result:Pass
Cable Length:305m	Cable Type:
Tester:	Cable ID:

Test Result List

Test Item	Unit	Test Result
Insertion Loss	dB/100m	Pass
Delay	ns/100m	Pass
Delay Skew	ns/100m	Pass
Return Loss	dB	Pass
NEXT	dB@100m	Pass
PS NEXT	dB@100m	Pass
ACRF	dB@100m	Pass
PS ACRF	dB@100m	Pass

Inspector:

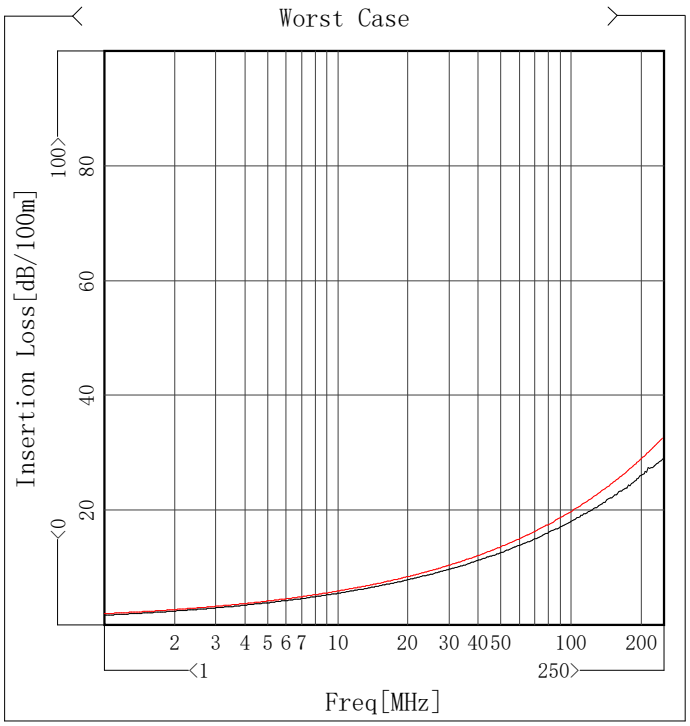
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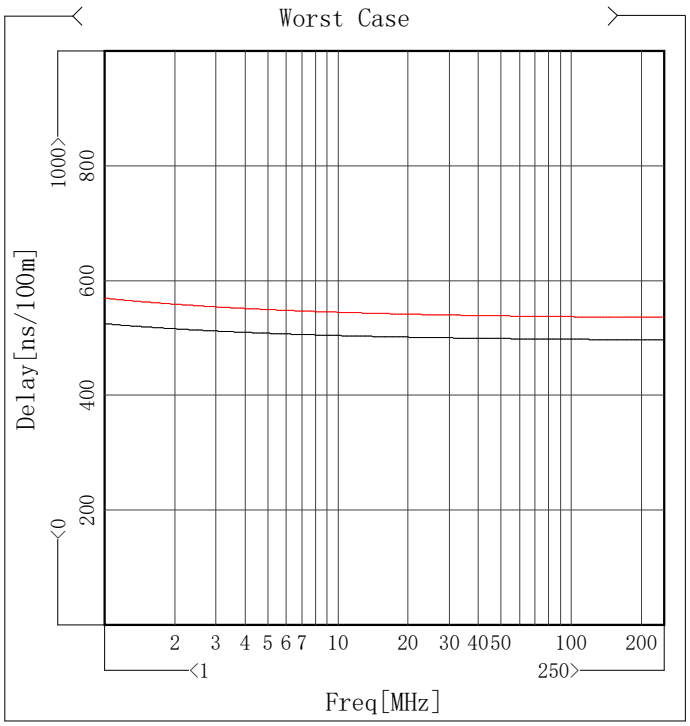
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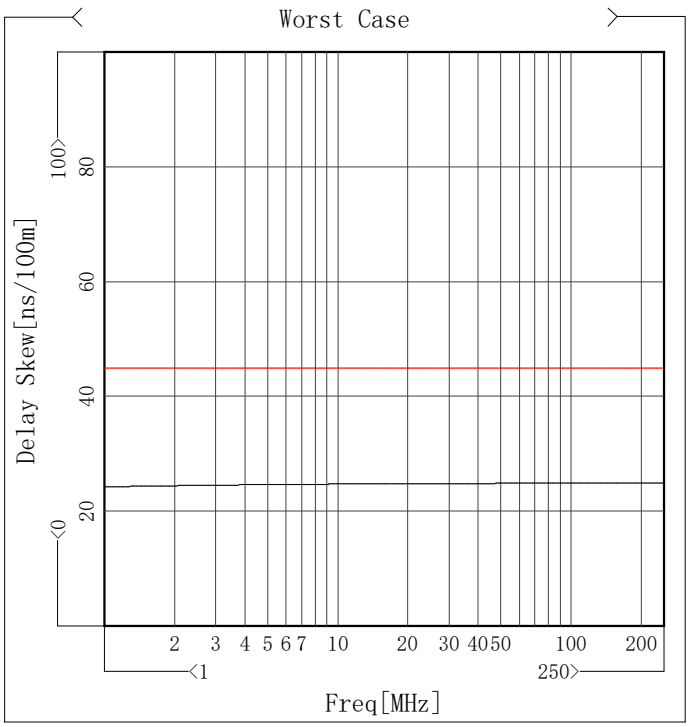
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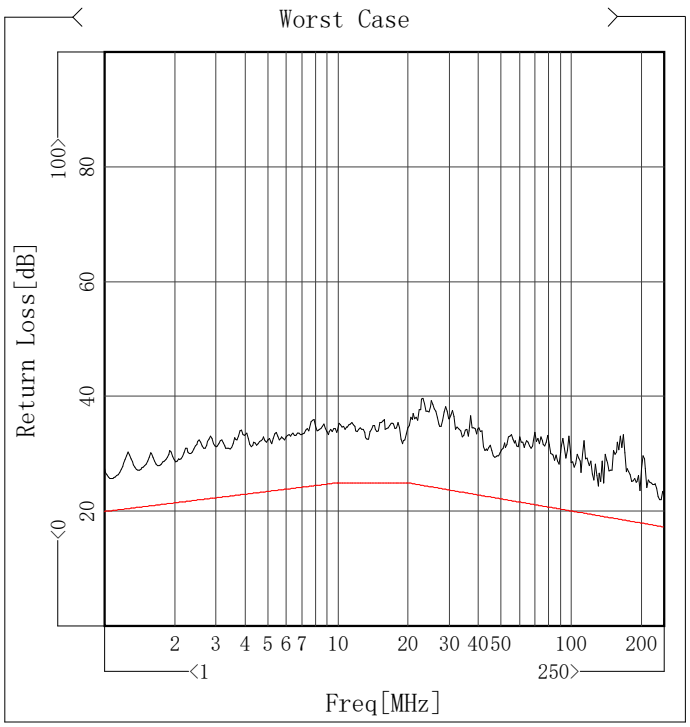
Worst Summary Of High Freq Parameter

Item	Max	Freq[MHz]	Spec	Margin	Min	Freq[MHz]	Spec	Margin
✔ Insertion Loss[dB/100m]	2.96	2.88	3.23	0.27	/	/	/	/
✔ Delay[ns/100m]	497.21	244.09	536.30	39.09	/	/	/	/
✔ Delay Skew[ns/100m]	24.96	250.00	45.00	20.04	/	/	/	/
✔ Return Loss[dB]	/	/	/	/	22.11	241.13	17.43	4.68



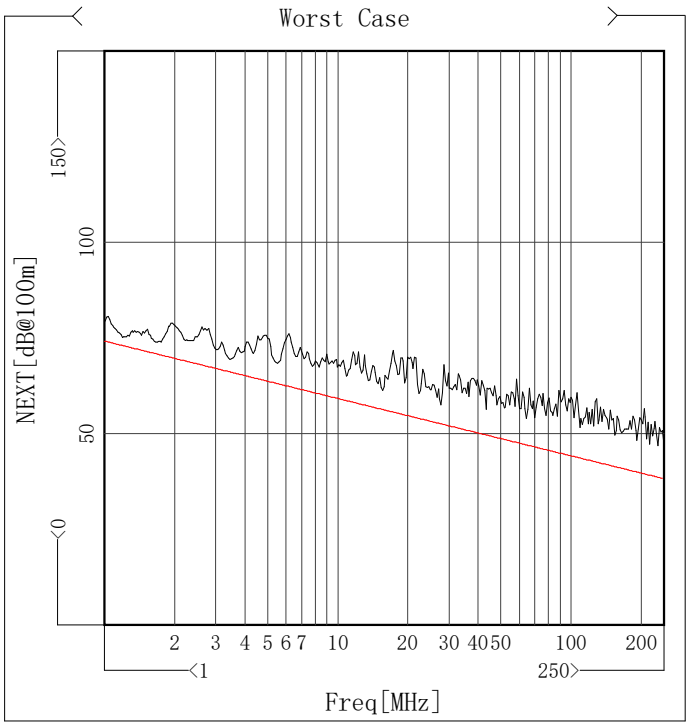


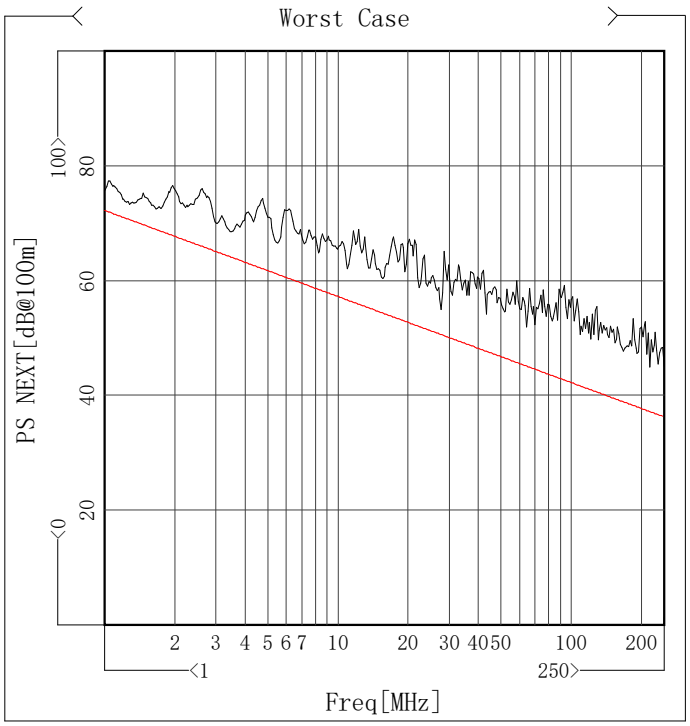


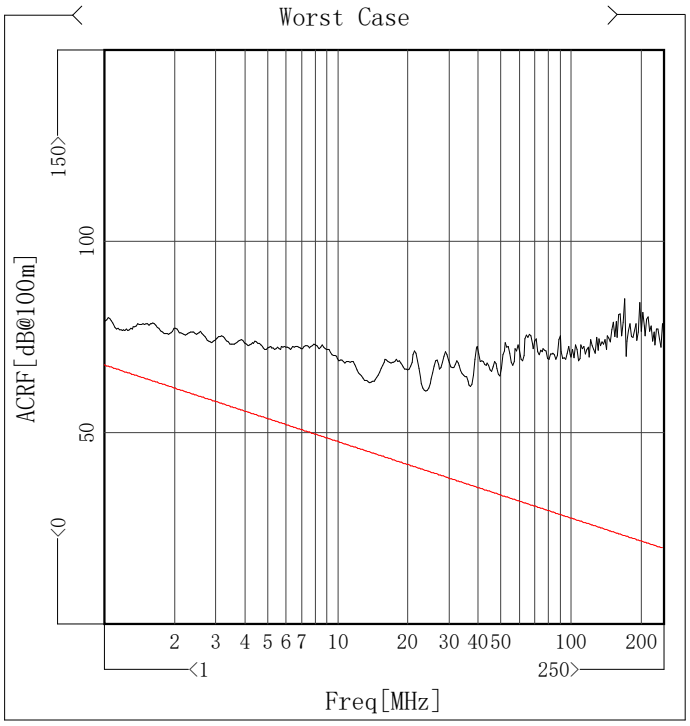


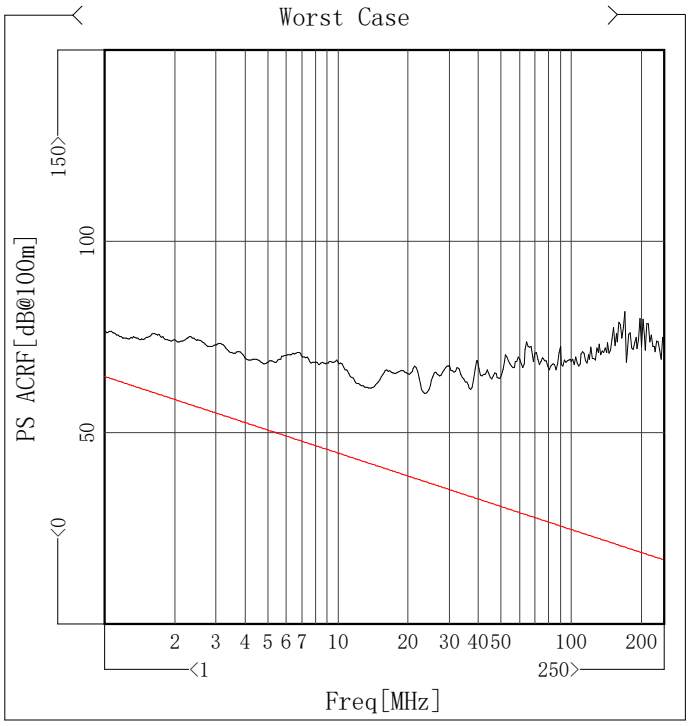
Worst Summary Of High Freq Parameter(2)

Item	Min	Freq[MHz]	Spec	Margin
✔ NEXT[dB@100m]	75.26	1.21	73.05	2.21
✔ PS NEXT[dB@100m]	73.36	1.29	70.63	2.73
✔ ACRF[dB@100m]	76.90	1.18	66.37	10.53
✔ PS ACRF[dB@100m]	76.32	1.00	64.80	11.52



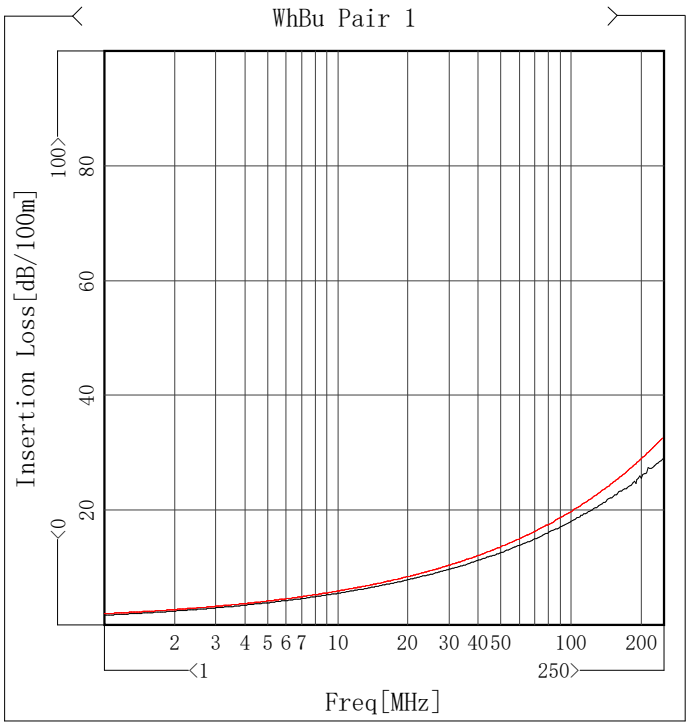


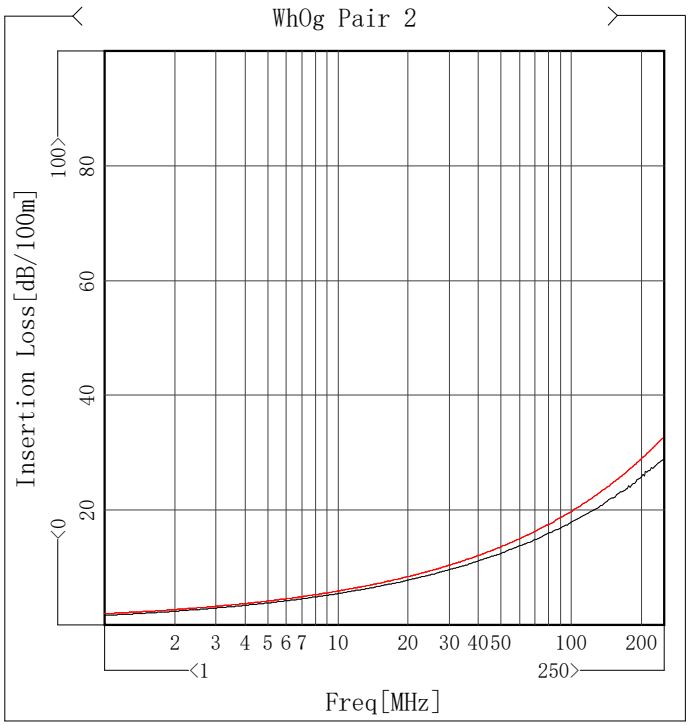


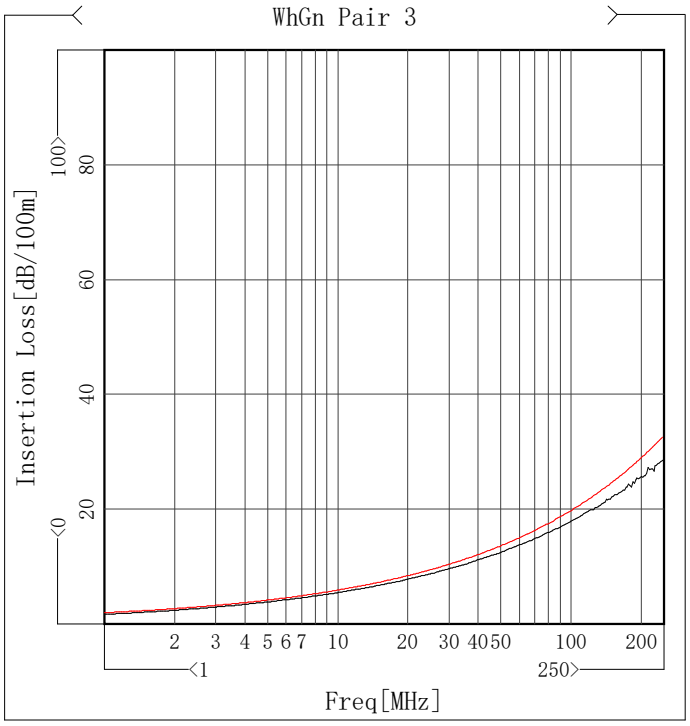


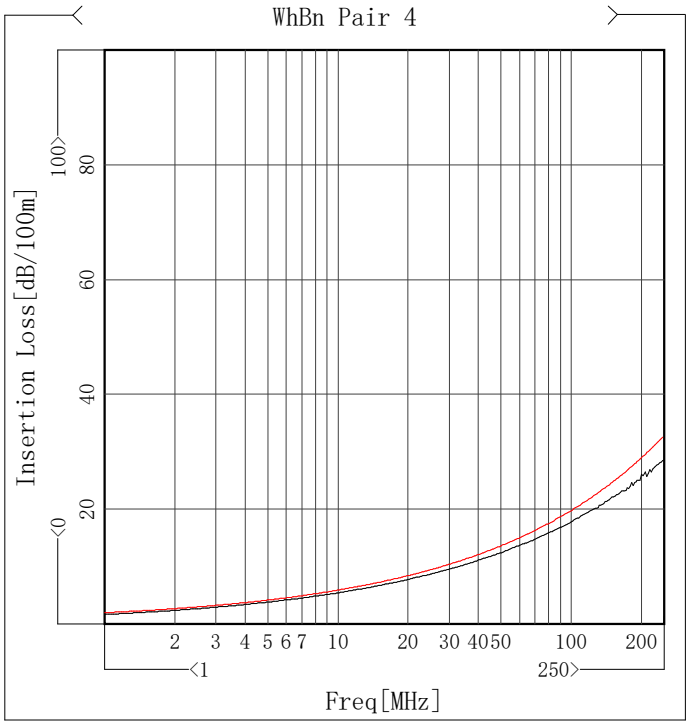
Insertion Loss

Item	Max [dB/100m]	Freq[MHz]	Spec [dB/100m]	Margin [dB/100m]
WhBu Pair 1	2.96	2.88	3.23	0.27
WhOg Pair 2	2.25	1.71	2.54	0.29
WhGn Pair 3	2.70	2.44	2.99	0.29
WhBn Pair 4	2.24	1.71	2.54	0.30



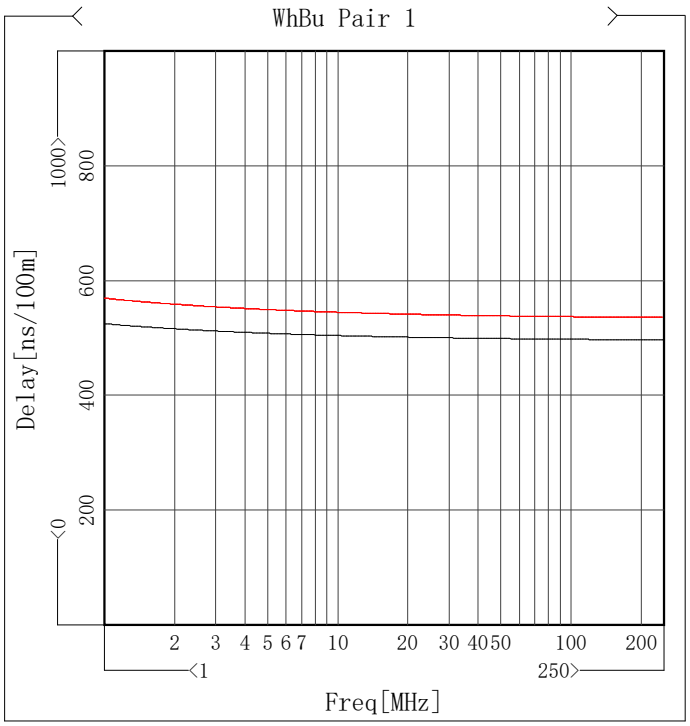


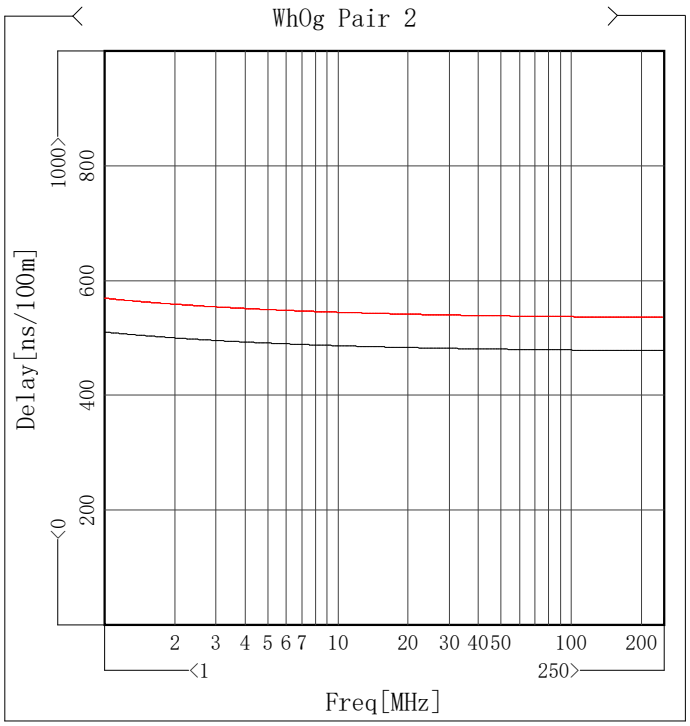


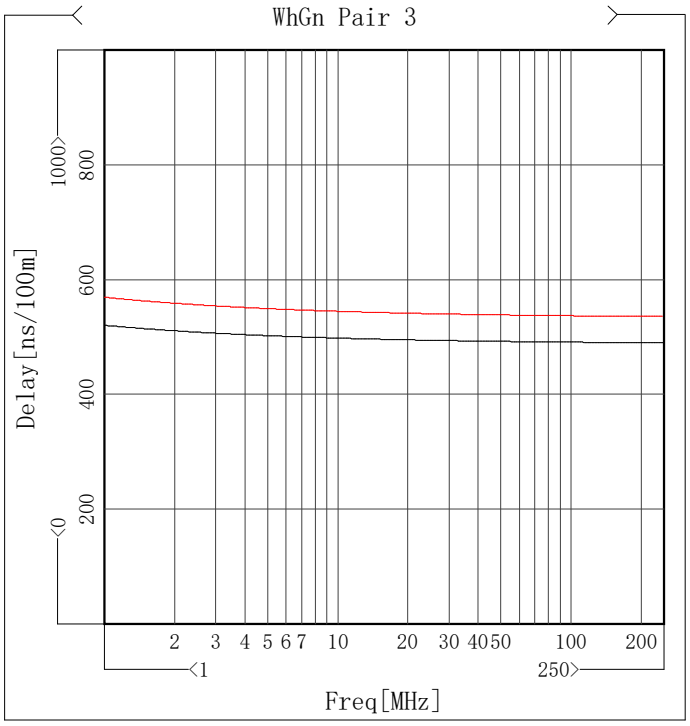


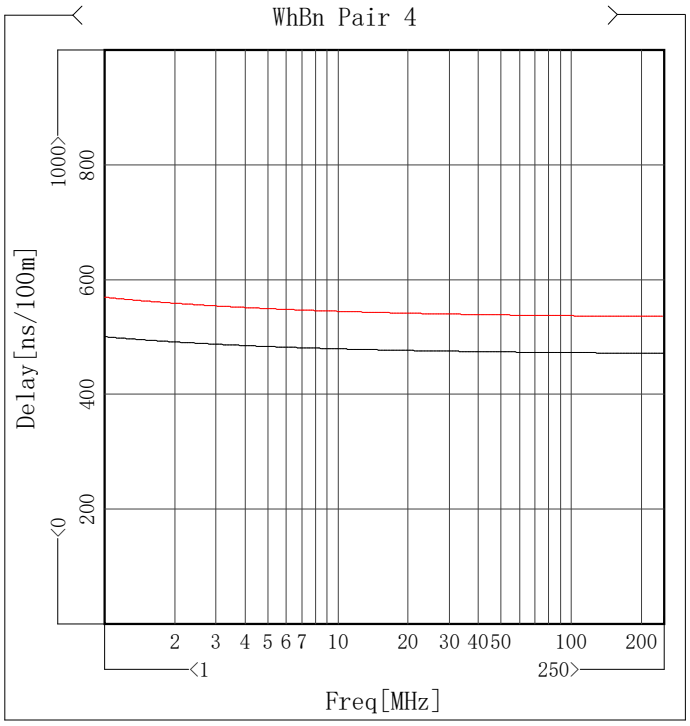
Delay

Item	Max [ns/100m]	Freq[MHz]	Spec [ns/100m]	Margin [ns/100m]
WhBu Pair 1	497.21	244.09	536.30	39.09
WhOg Pair 2	478.49	220.43	536.42	57.93
WhGn Pair 3	490.46	244.09	536.30	45.84
WhBn Pair 4	472.25	244.09	536.30	64.05



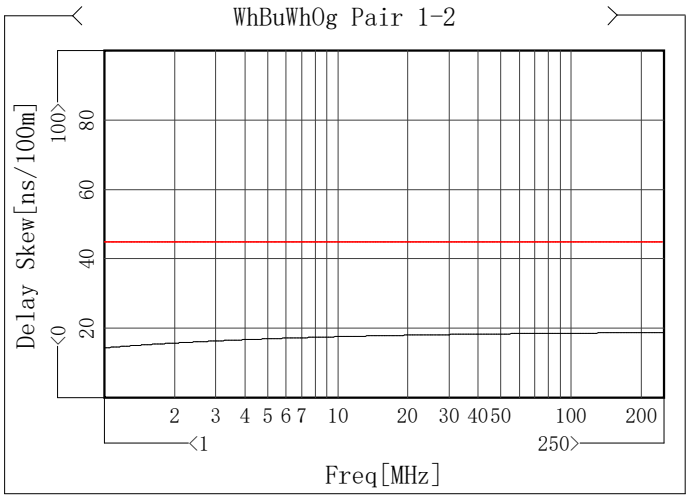


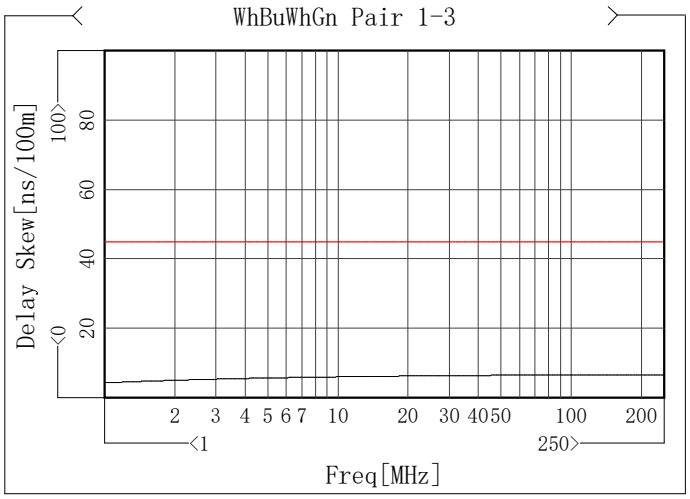


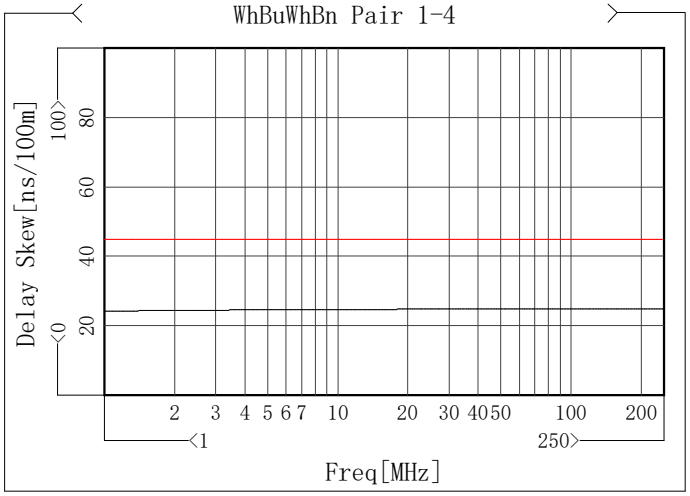


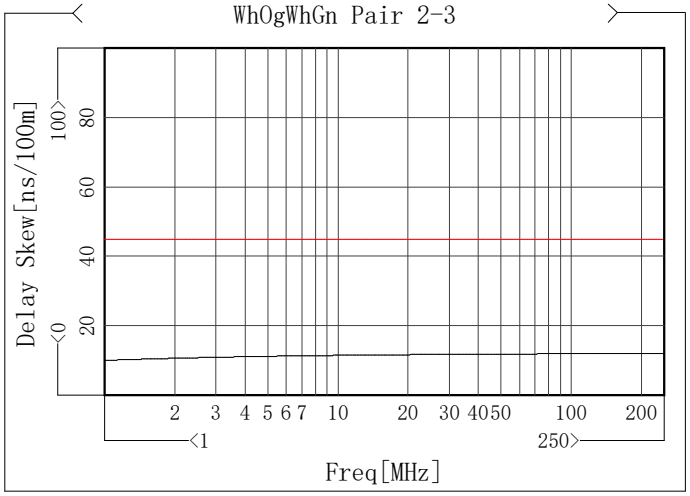
Delay Skew

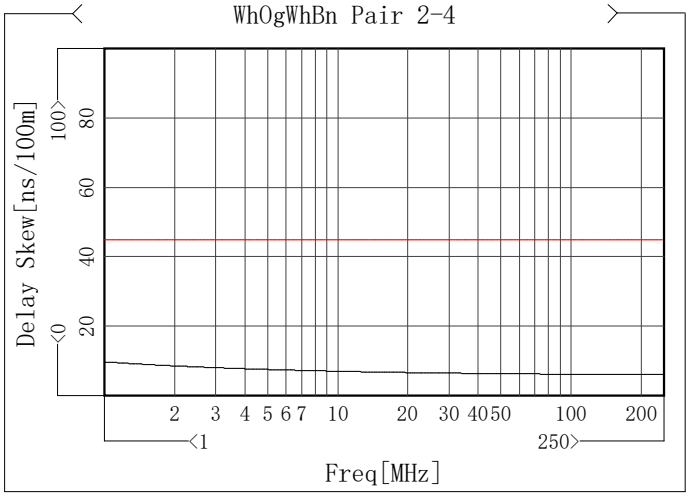
Item	Max [ns/100m]	Freq[MHz]	Spec [ns/100m]	Margin [ns/100m]
WhBuWhOg Pair 1-2	18.85	250.00	45.00	26.15
WhBuWhGn Pair 1-3	6.75	250.00	45.00	38.25
WhBuWhBn Pair 1-4	24.96	250.00	45.00	20.04
WhOgWhGn Pair 2-3	12.10	250.00	45.00	32.90
WhOgWhBn Pair 2-4	9.83	1.00	45.00	35.17
WhGnWhBn Pair 3-4	19.93	1.00	45.00	25.07

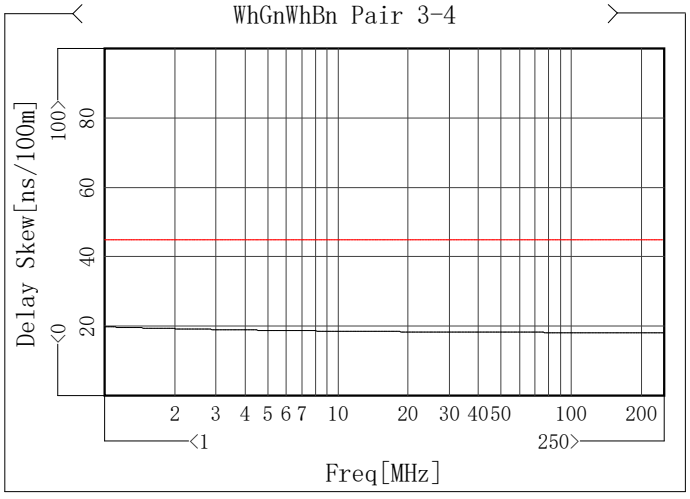






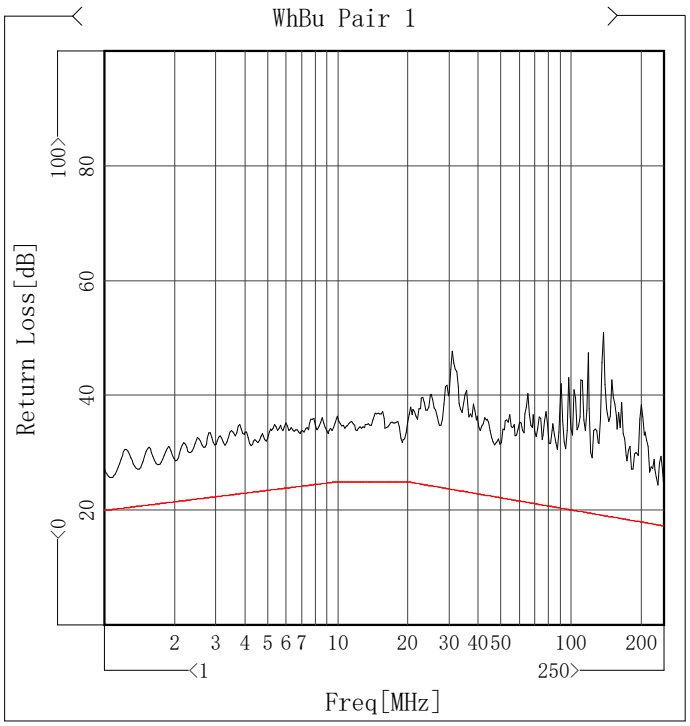


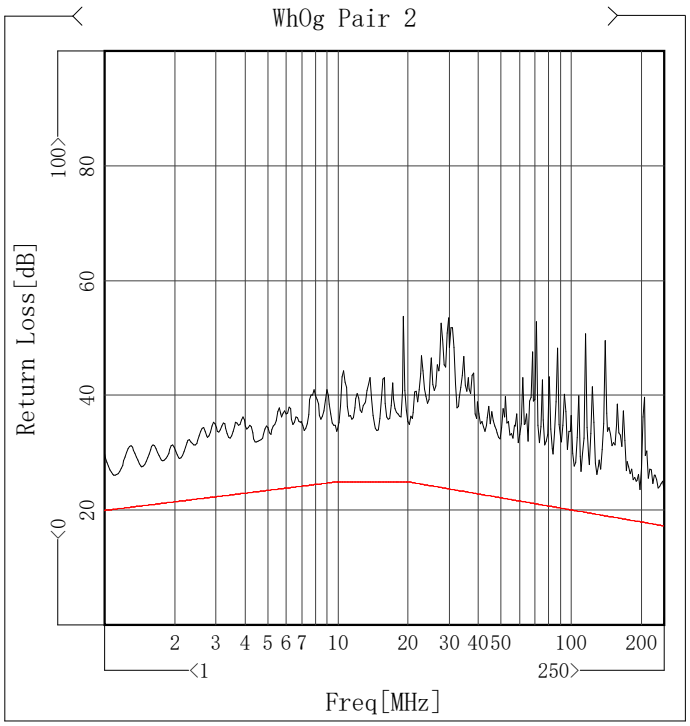


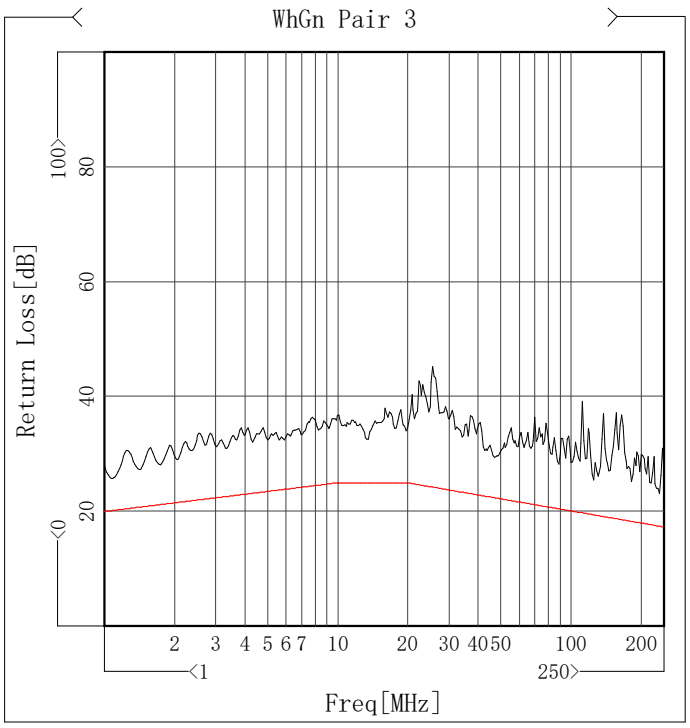


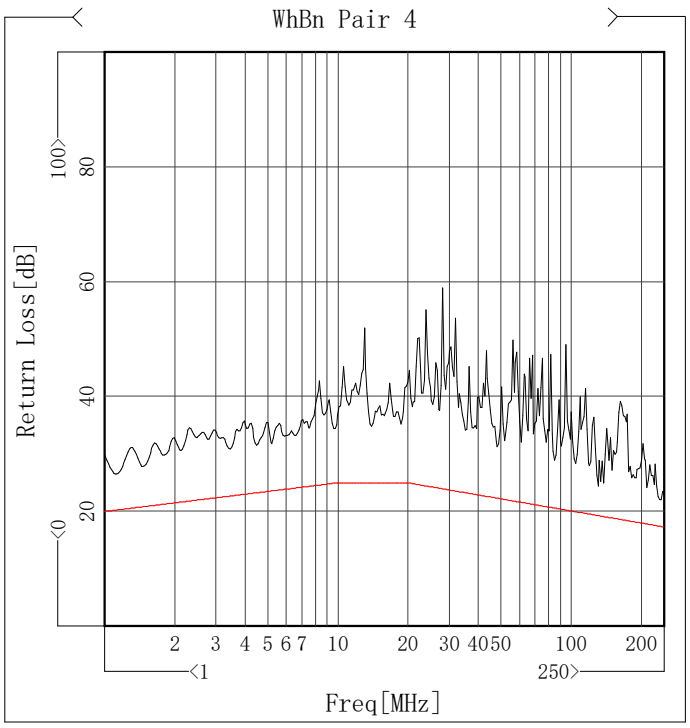
Return Loss

Item	Min [dB]	Freq[MHz]	Spec [dB]	Margin [dB]
WhBu Pair 1	25.71	1.08	20.17	5.54
WhOg Pair 2	23.68	199.74	18.00	5.68
WhGn Pair 3	25.76	1.10	20.20	5.56
WhBn Pair 4	22.11	241.13	17.43	4.68



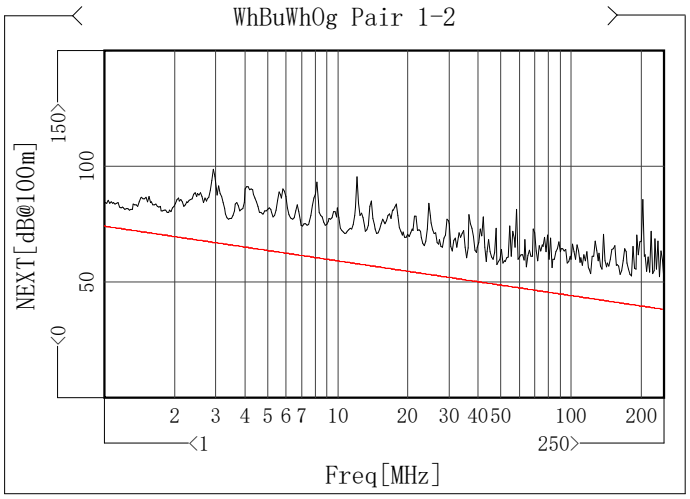


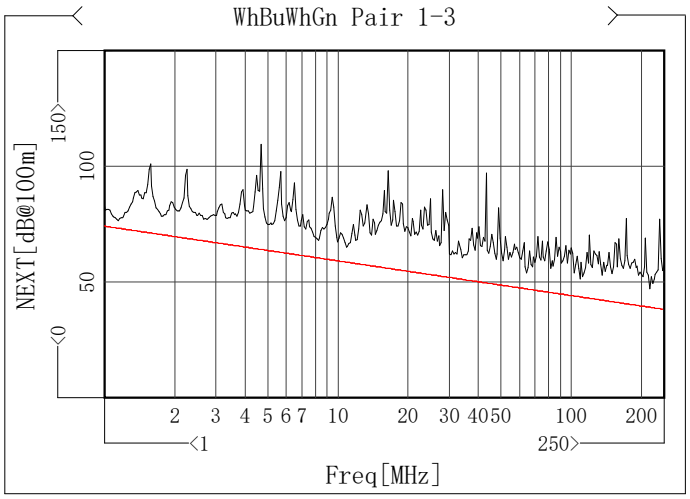


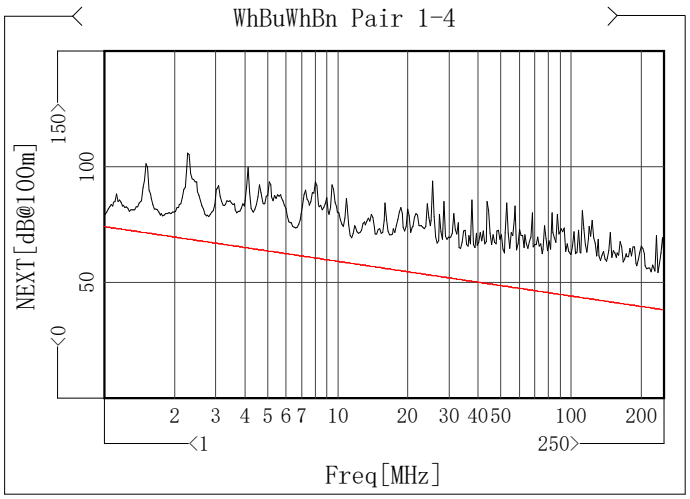


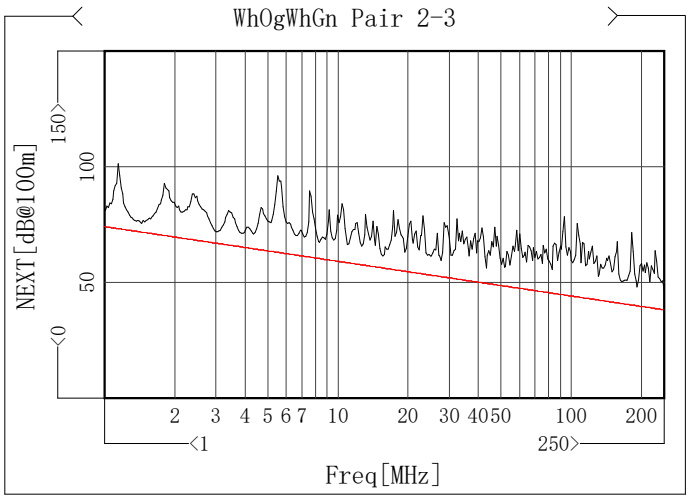
NEXT

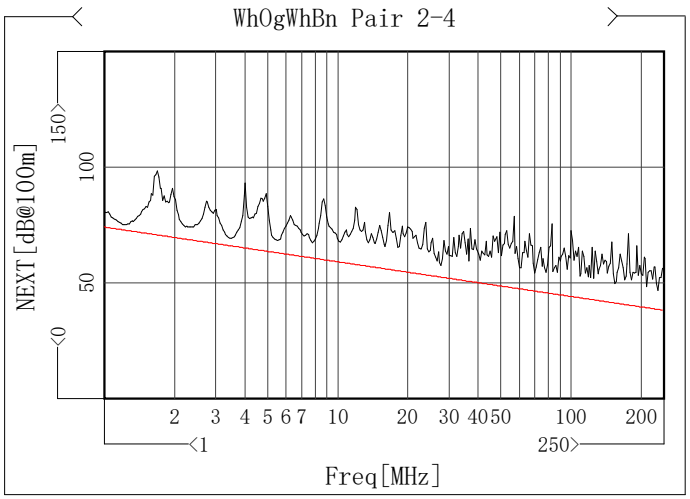
Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBuWhOg Pair 1-2	81.13	1.29	72.63	8.50
WhBuWhGn Pair 1-3	76.79	1.16	73.32	3.47
WhBuWhBn Pair 1-4	79.47	1.02	74.20	5.27
WhOgWhGn Pair 2-3	75.80	1.46	71.83	3.97
WhOgWhBn Pair 2-4	75.26	1.21	73.05	2.21
WhGnWhBn Pair 3-4	73.97	1.69	70.90	3.07

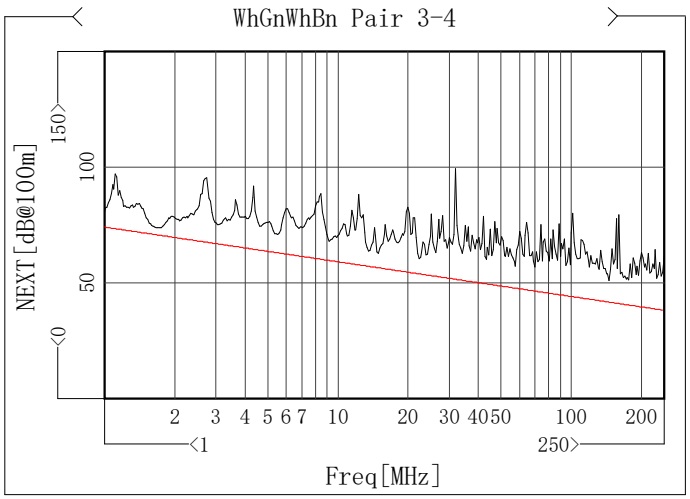






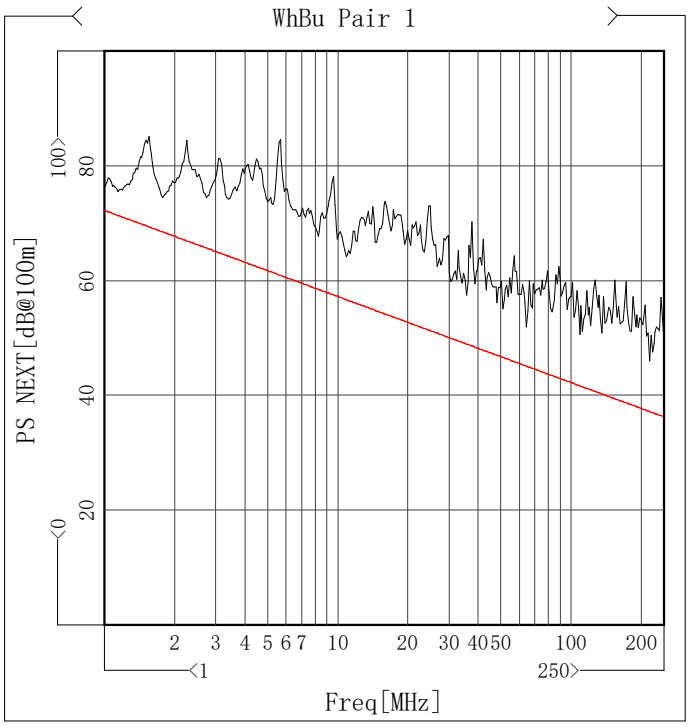


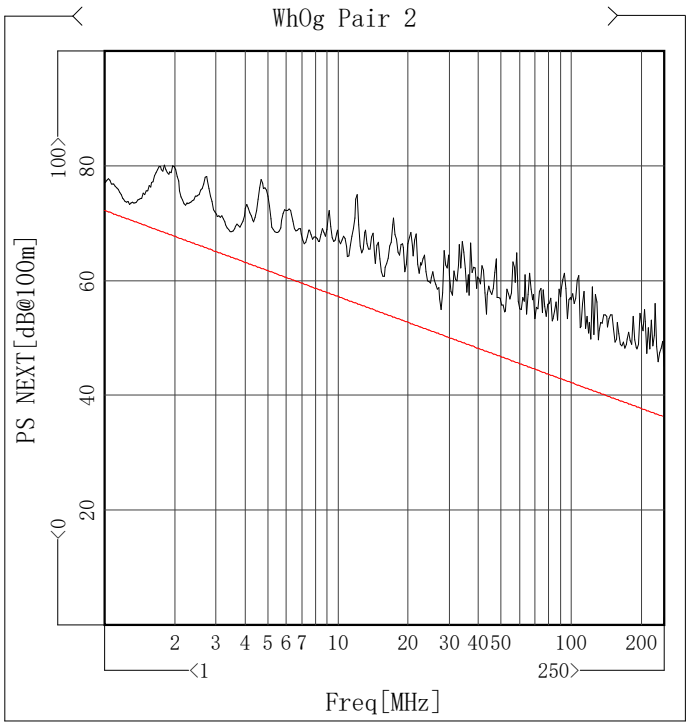


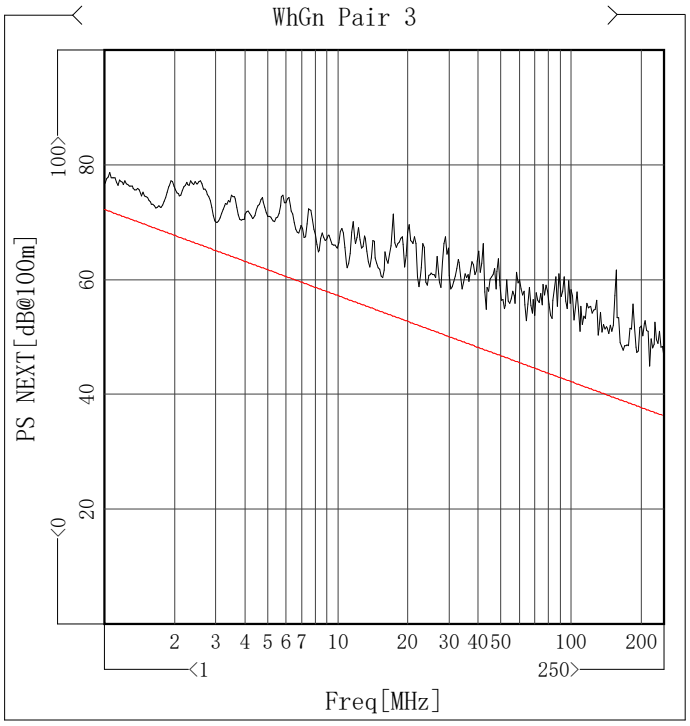


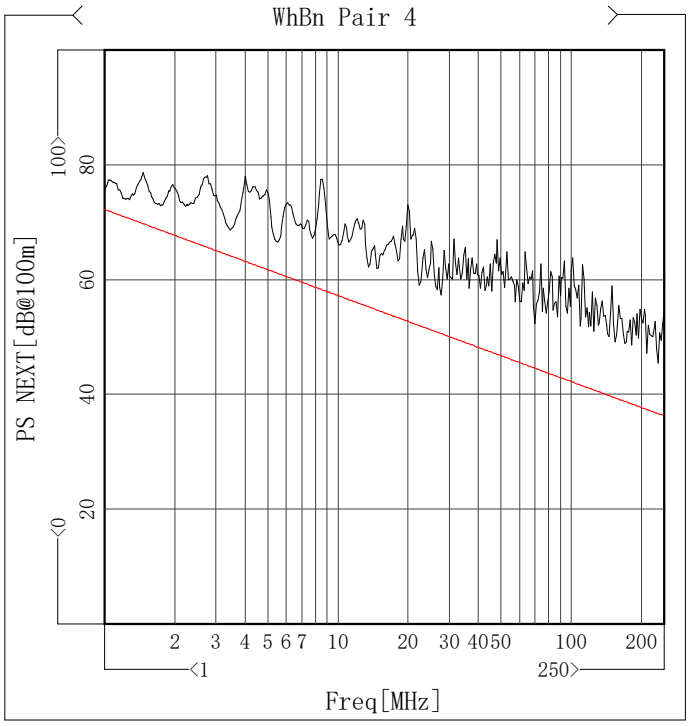
PS NEXT

Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBu Pair 1	75.59	1.16	71.32	4.27
WhOg Pair 2	73.36	1.29	70.63	2.73
WhGn Pair 3	72.58	1.69	68.90	3.68
WhBn Pair 4	74.07	1.24	70.88	3.19



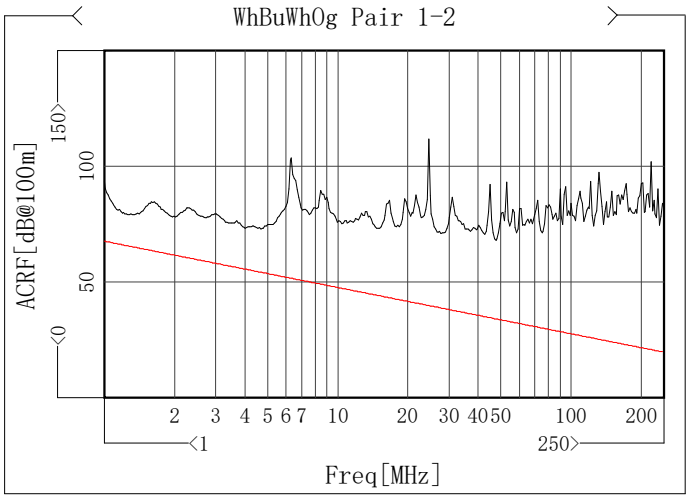


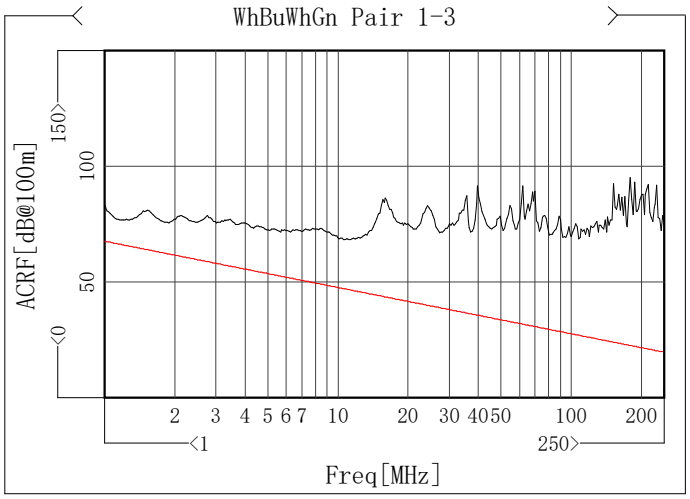


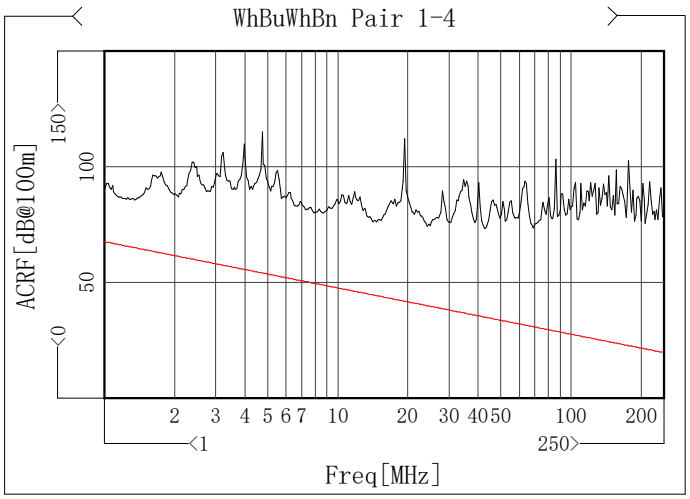


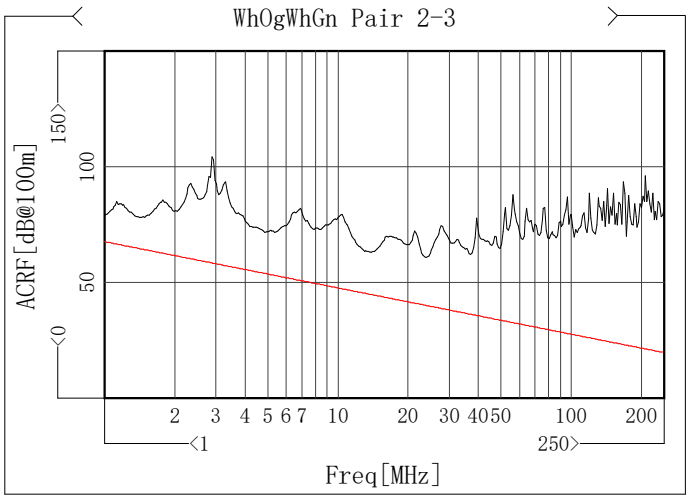
ACRF

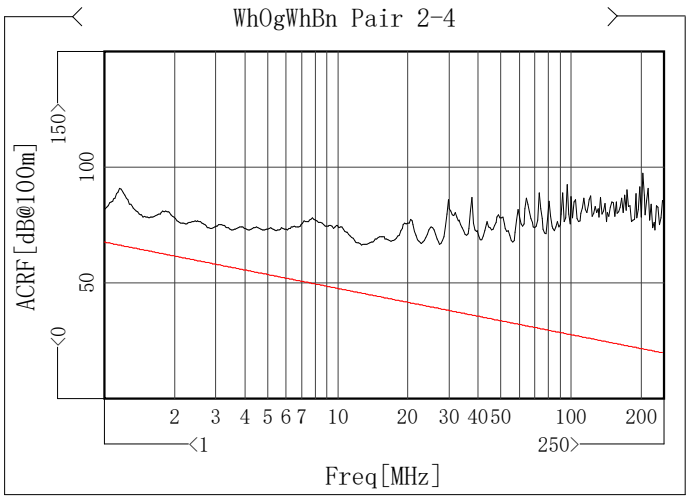
Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBuWhOg Pair 1-2	79.20	1.28	65.68	13.52
WhBuWhGn Pair 1-3	76.90	1.18	66.37	10.53
WhBuWhBn Pair 1-4	86.30	1.21	66.14	20.16
WhOgWhGn Pair 2-3	78.86	1.00	67.80	11.06
WhOgWhBn Pair 2-4	82.10	1.00	67.80	14.30
WhGnWhBn Pair 3-4	82.40	1.00	67.80	14.60

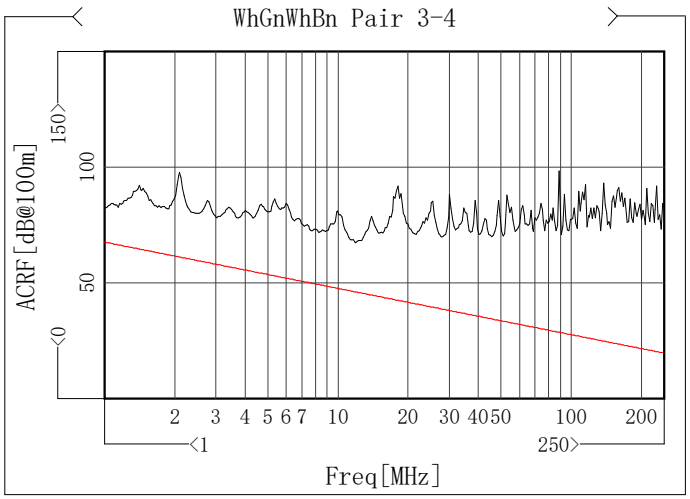






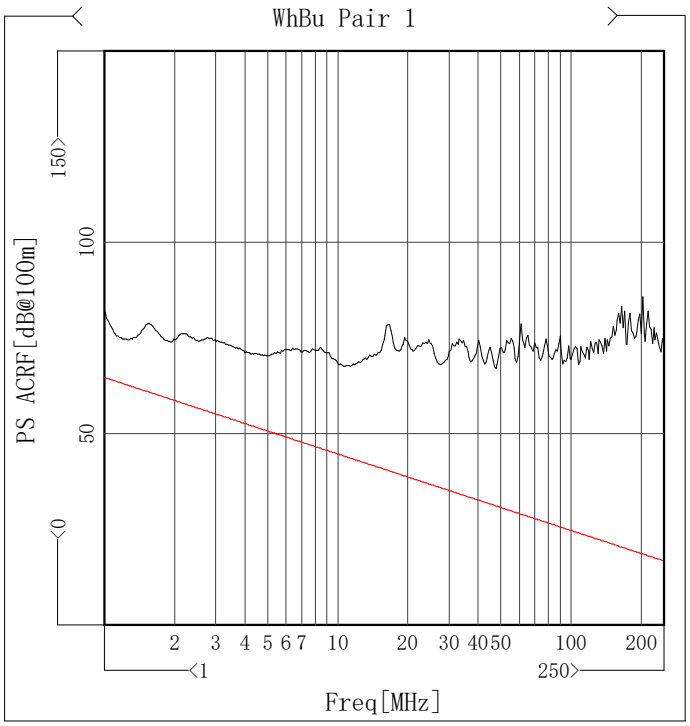


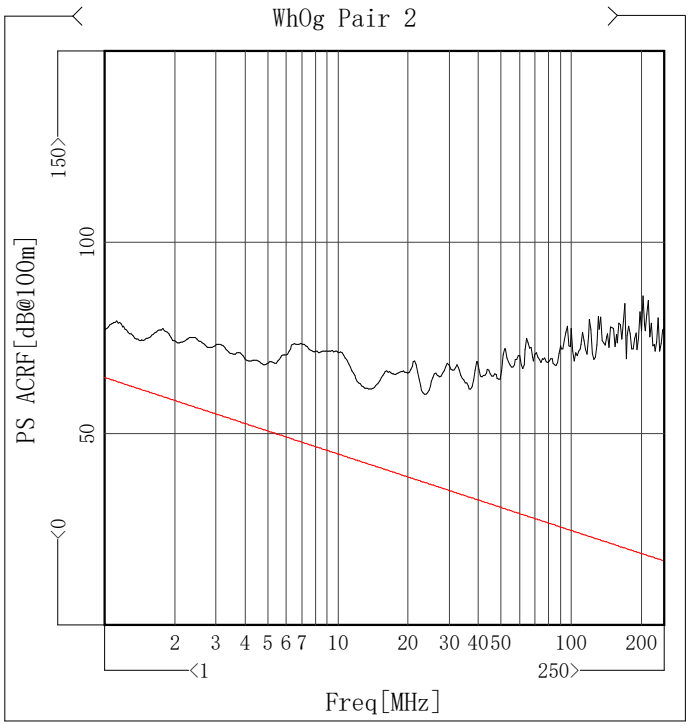


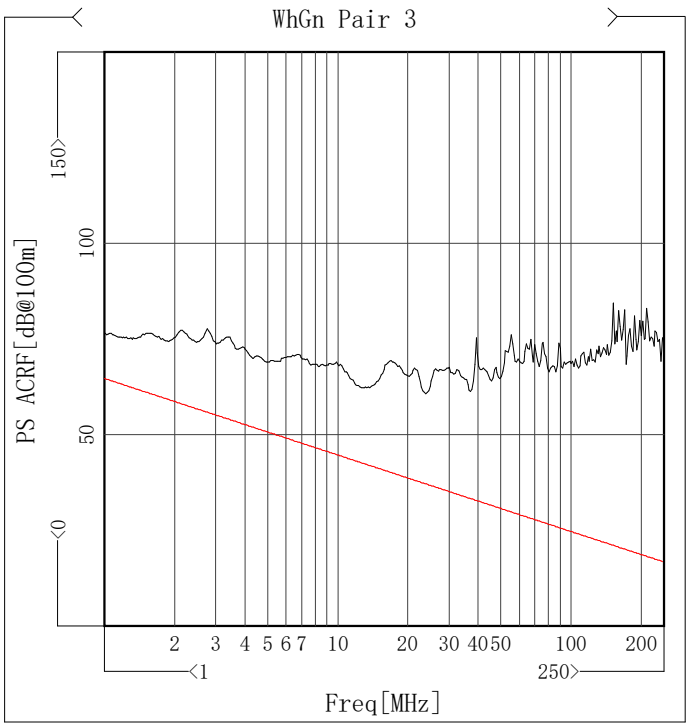


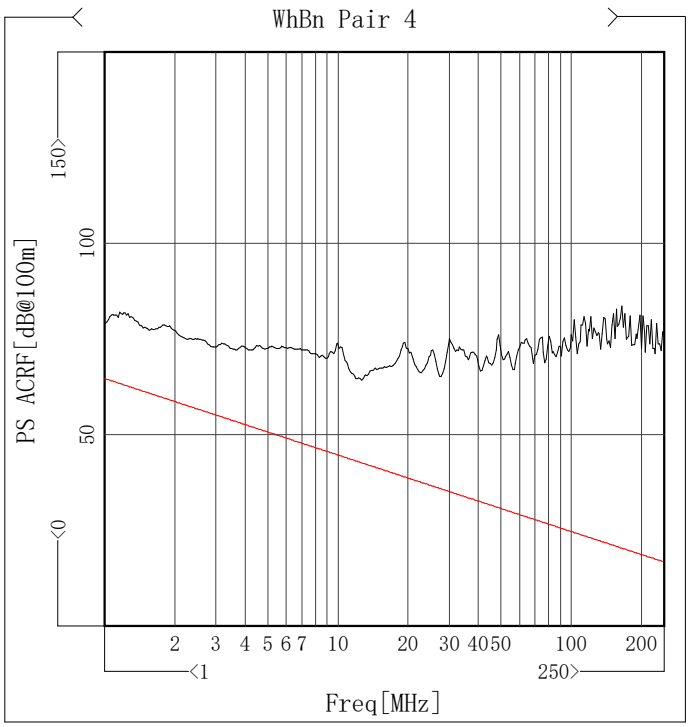
PS ACRF

Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBu Pair 1	74.79	1.21	63.14	11.65
WhOg Pair 2	77.08	1.00	64.80	12.28
WhGn Pair 3	76.32	1.00	64.80	11.52
WhBn Pair 4	78.96	1.00	64.80	14.16









Insertion Loss[dB/100m]

No.	Freq [MHz]	Spec (Max)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	2.03	1.75 ↑	1.72	1.73	1.71
2	4	3.78	3.49 ↑	3.45	3.46	3.43
3	8	5.32	4.95 ↑	4.91	4.91	4.88
4	10	5.95	5.55 ↑	5.50	5.50	5.47
5	16	7.55	7.05 ↑	6.99	6.98	6.95
6	20	8.47	7.89 ↑	7.83	7.83	7.79
7	25	9.51	8.84 ↑	8.78	8.77	8.72
8	31.25	10.67	9.91 ↑	9.84	9.83	9.78
9	50	13.66	12.59 ↑	12.51	12.51	12.44
10	62.5	15.38	14.14 ↑	14.03	14.00	13.97
11	100	19.8	18.05 ↑	17.86	17.85	17.76
12	125	22.36	20.21 ↑	19.99	19.97	20.00
13	200	28.98	25.99 ↑	25.61	25.48	25.19
14	250	32.85	29.13 ↑	29.05	28.78	28.71

Delay[ns/100m]

No.	Freq [MHz]	Spec (Max)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	570	525.44 ↑	510.98	521.08	501.15
2	4	552	510.43 ↑	493.64	504.80	485.79
3	8	546.73	506.00 ↑	488.51	499.99	481.25
4	10	545.38	504.83 ↑	487.17	498.72	480.05
5	16	543	502.86 ↑	484.89	496.59	478.03
6	20	542.05	502.05 ↑	483.95	495.71	477.20
7	25	541.2	501.32 ↑	483.11	494.92	476.46
8	31.25	540.44	500.70 ↑	482.39	494.24	475.82
9	50	539.09	499.54 ↑	481.05	492.99	474.64
10	62.5	538.55	499.11 ↑	480.56	492.52	474.19
11	100	537.6	498.30 ↑	479.62	491.64	473.37
12	125	537.22	497.98 ↑	479.25	491.29	473.04
13	200	536.55	497.42 ↑	478.60	490.68	472.46
14	250	536.28	497.18 ↑	478.33	490.43	472.22

Delay Skew[ns/100m]

No.	Freq [MHz]	Spec (Max)	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	45	14.46	4.36	24.29 ↑	10.10	9.83	19.93
2	4	45	16.79	5.63	24.65 ↑	11.16	7.85	19.01
3	8	45	17.48	6.01	24.75 ↑	11.48	7.27	18.74
4	10	45	17.66	6.11	24.78 ↑	11.56	7.11	18.67
5	16	45	17.97	6.27	24.83 ↑	11.70	6.85	18.55
6	20	45	18.10	6.34	24.84 ↑	11.76	6.75	18.50
7	25	45	18.21	6.40	24.86 ↑	11.81	6.65	18.46
8	31.25	45	18.31	6.45	24.88 ↑	11.85	6.57	18.42
9	50	45	18.49	6.55	24.90 ↑	11.93	6.42	18.35
10	62.5	45	18.55	6.59	24.91 ↑	11.96	6.36	18.32
11	100	45	18.68	6.66	24.93 ↑	12.02	6.25	18.28

Delay Skew[ns/100m](Continuation 1)

No.	Freq [MHz]	Spec (Max)	WhBuWhOg Pair 1-2	WhBuWhGn Pair 1-3	WhBuWhBn Pair 1-4	WhOgWhGn Pair 2-3	WhOgWhBn Pair 2-4	WhGnWhBn Pair 3-4
12	125	45	18.73	6.69	24.94 ↑	12.04	6.21	18.26
13	200	45	18.82	6.73	24.95 ↑	12.08	6.14	18.22
14	250	45	18.85	6.75	24.96 ↑	12.10	6.11	18.21

Return Loss[dB]

No.	Freq [MHz]	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	20	27.52 ↓	29.85	28.13	29.97
2	4	23.01	33.35 ↓	35.88	33.39	35.68
3	8	24.52	36.01 ↓	40.89	36.19	36.63
4	10	25	36.29	34.07 ↓	36.32	36.09
5	16	25	35.98 ↓	43.04	36.24	36.65
6	20	25	34.30	36.64	34.28 ↓	42.15
7	25	24.32	39.97	44.23	38.19 ↓	41.70
8	31.25	23.64	46.33	51.84	37.23 ↓	46.73
9	50	22.21	31.68	33.17	30.46 ↓	36.78
10	62.5	21.54	34.21	41.66	32.43 ↓	35.91
11	100	20.11	35.92	34.22	30.22 ↓	33.35
12	125	19.43	30.75	39.46	26.22 ↓	35.46
13	200	18	36.10	24.02 ↓	27.26	27.78
14	250	17.32	23.70	23.47	26.98	22.91 ↓

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	84.27	82.71	79.63 ↓	82.50	81.07	80.95
2	4	65.27	83.80	85.12	83.47	71.54 ↓	85.34	78.52
3	8	60.75	86.10	70.14	88.87	78.07	68.05 ↓	79.85
4	10	59.3	80.42	68.40 ↓	81.58	76.36	70.18	70.15
5	16	56.24	75.98	89.50	77.01	62.37 ↓	66.73	71.35
6	20	54.78	70.00	73.99	77.40	66.97 ↓	72.87	81.75
7	25	53.33	79.48	85.19	75.01	61.58 ↓	64.18	70.04
8	31.25	51.88	64.57	62.89	70.62	61.86	61.74 ↓	67.28
9	50	48.82	61.37	66.76	69.45	59.64 ↓	68.60	67.74
10	62.5	47.36	62.01	62.86	70.35	61.61 ↓	62.00	63.81
11	100	44.3	61.11	62.77	62.55	62.95	62.91	60.24 ↓
12	125	42.85	61.28	58.81	74.52	63.21	60.95	58.73 ↓
13	200	39.78	67.41	54.24 ↓	63.38	57.37	57.49	59.95
14	250	38.33	50.34	57.44	61.53	47.05 ↓	56.72	61.72

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	76.99	77.65	77.21	75.73 ↓
2	4	63.27	79.00	71.04	70.56 ↓	76.41
3	8	58.75	69.97	67.56 ↓	69.10	67.74
4	10	57.3	67.89	68.62	65.61 ↓	66.97

PS NEXT[dB@100m](Continuation 1)

No.	Freq [MHz]	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
5	16	54.24	73.29	60.87 ↓	61.84	65.13
6	20	52.78	67.87	64.43 ↓	65.94	71.03
7	25	51.33	73.12	59.63 ↓	60.95	62.88
8	31.25	49.88	60.13	57.76 ↓	58.66	60.24
9	50	46.82	59.24	56.62 ↓	58.18	62.80
10	62.5	45.36	59.02	56.78 ↓	57.60	58.89
11	100	42.3	57.27	57.02	56.30 ↓	56.39
12	125	40.85	56.40	56.16	54.36 ↓	55.62
13	200	37.78	53.55	54.16	51.78 ↓	54.78
14	250	36.33	49.30	45.07 ↓	46.53	54.56

ACRF[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	67.8	93.78	83.37	90.92	78.86 ↓	82.10	82.40
2	4	55.76	73.82 ↓	75.65	107.41	77.93	73.91	80.85
3	8	49.74	82.09	73.21	80.46	73.21	77.81	73.16 ↓
4	10	47.8	76.42	69.79 ↓	85.89	77.54	75.13	81.07
5	16	43.72	77.13	84.46	79.49	68.61 ↓	69.95	72.70
6	20	41.78	83.47	75.07	88.81	66.62 ↓	75.75	75.77
7	25	39.84	89.48	81.33	74.71	62.79 ↓	73.88	81.17
8	31.25	37.9	84.80	75.28	77.19	67.13 ↓	80.28	79.97
9	50	33.82	77.02	77.26	78.49	65.67 ↓	78.24	76.66
10	62.5	31.88	76.08	90.40	89.80	68.89 ↓	74.76	83.12
11	100	27.8	79.69	70.40 ↓	81.68	79.23	77.38	77.67
12	125	25.86	77.52	73.79	88.20	72.52 ↓	79.35	79.55
13	200	21.78	87.80	85.91	84.51	84.05	90.50	83.52 ↓
14	250	19.84	81.68	74.88 ↓	78.76	82.13	84.07	82.35

PS ACRF[dB@100m]

No.	Freq [MHz]	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	64.8	82.34	77.08	76.32 ↓	78.96
2	4	52.76	71.63	70.07 ↓	72.87	73.10
3	8	46.74	72.00	71.52	68.42 ↓	71.31
4	10	44.8	68.84	71.47	68.84 ↓	73.86
5	16	40.72	74.66	65.88 ↓	67.10	67.79
6	20	38.78	74.29	66.03	65.60 ↓	72.63
7	25	36.84	73.68	62.45 ↓	62.66	70.83
8	31.25	34.9	72.82	66.85	66.30 ↓	73.92
9	50	30.82	72.41	65.13	64.88 ↓	72.59
10	62.5	28.88	75.36	67.21 ↓	68.68	74.01
11	100	24.8	69.60	73.52	69.20 ↓	73.34
12	125	22.86	71.99	70.61	69.57 ↓	76.09
13	200	18.78	80.80	81.53	79.50 ↓	80.47
14	250	16.84	72.79 ↓	77.74	73.52	76.37