

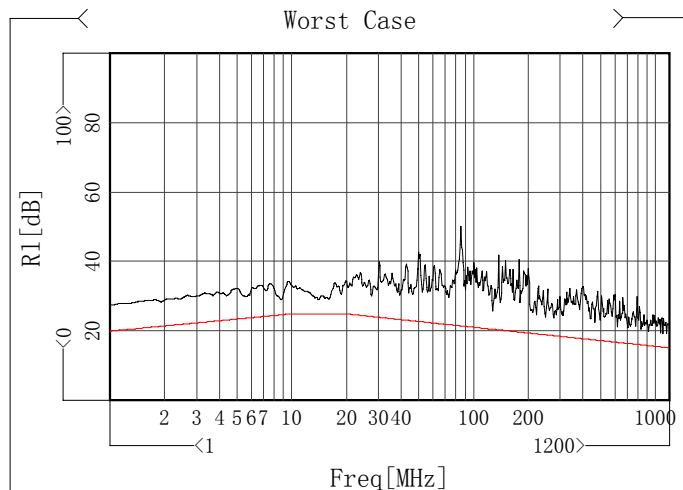
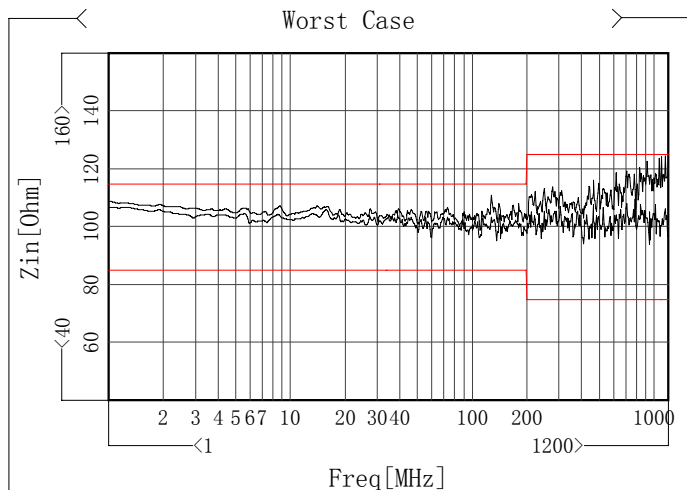
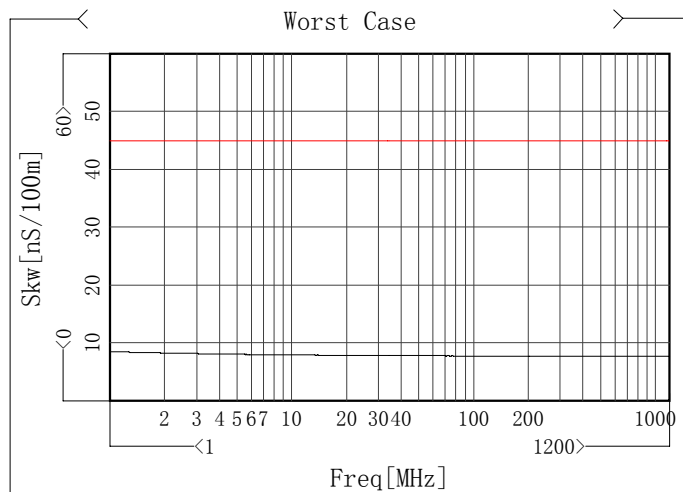
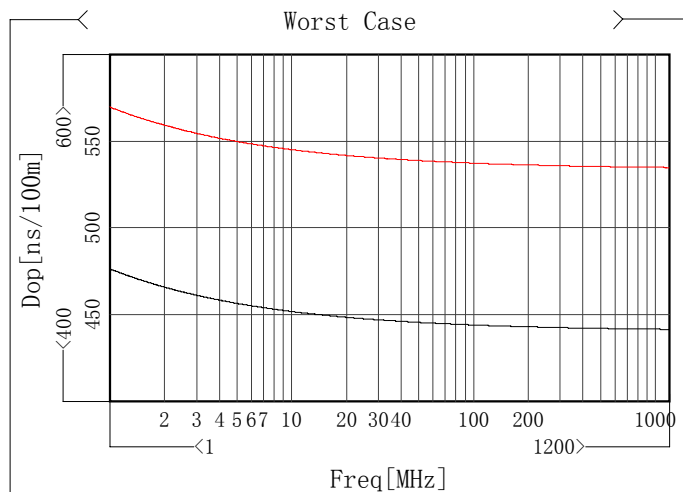
Test Time : 2024/09/06 13:47:51	Temperature:30C
Exec Std:IEC61156-5-CAT7	Test Result:Pass
Cable Length:305m	Cable Drum:SFTP CAT7

Test Result List

Test Item	Unit	Test Result
Att	dB/100m	Pass
Dop	ns/100m	Pass
Vop	%C	Pass
Skw	nS/100m	Pass
Zin	Ohm	Pass
Rl	dB	Pass

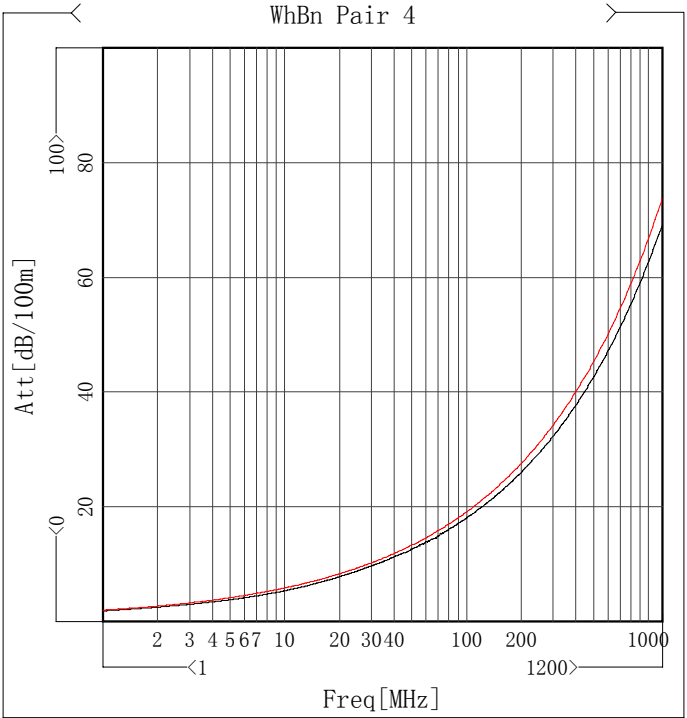
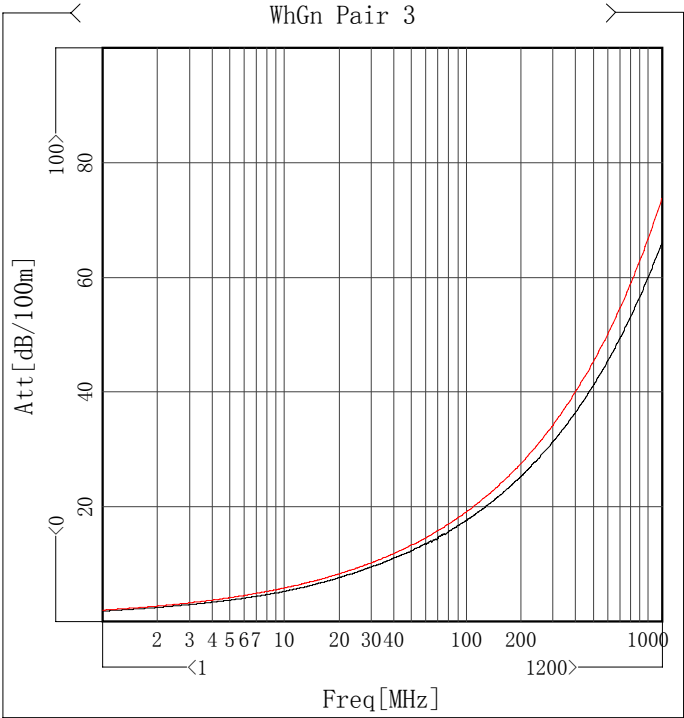
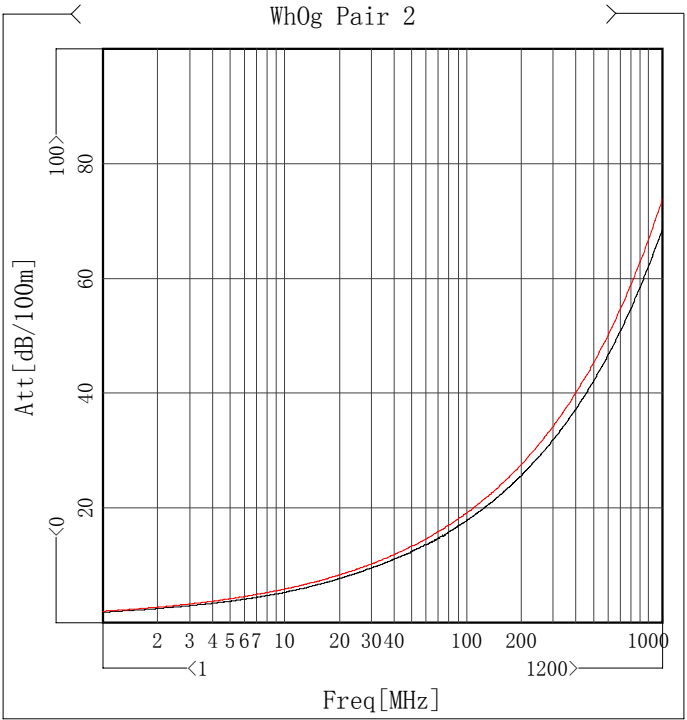
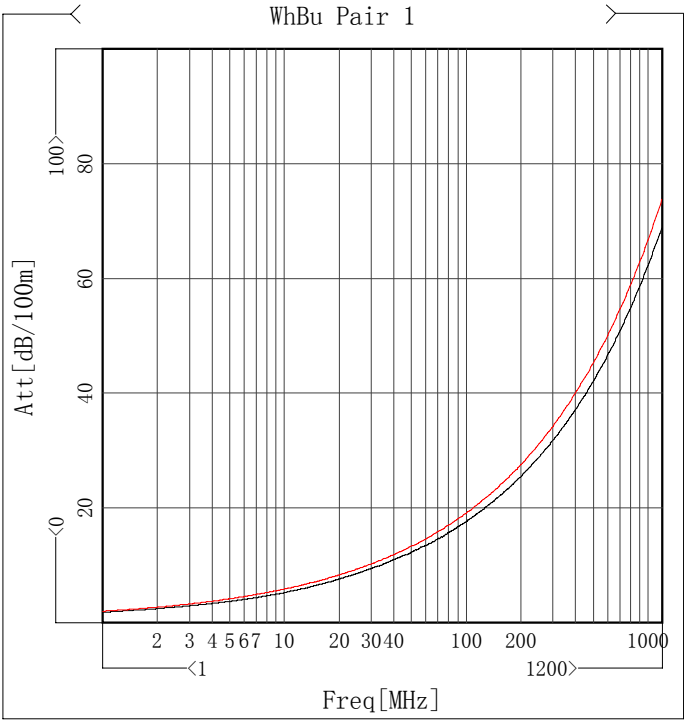
Worst Summary Of High Freq Parameter

Item	Max	Freq[MHz]	Std	Margin	Min	Freq[MHz]	Std	Margin
✓ Att[dB/100m]	1.97	1.045	2.11	0.14	/	/	/	/
✓ Dop[ns/100m]	445.68	53.008	538.94	93.26	/	/	/	/
✓ Vop[%C]	/	/	/	/	69.97	1	65	4.97
✓ Skw[nS/100m]	8.6	1	45	36.4	/	/	/	/
✓ Zin[Ohm]	124.56	1158.2	125	0.44	95.39	136.83	85	10.39
✓ Rl[dB]	/	/	/	/	19.27	1108	15.41	3.86



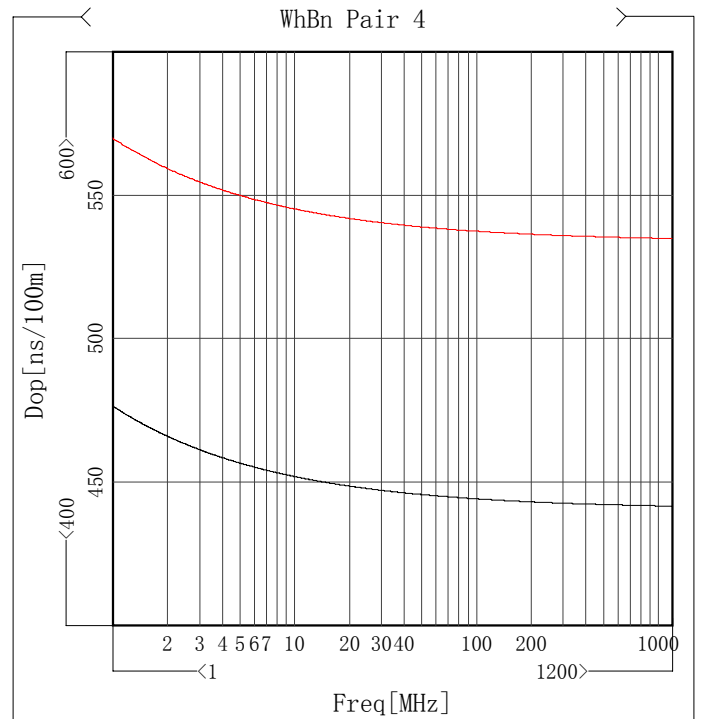
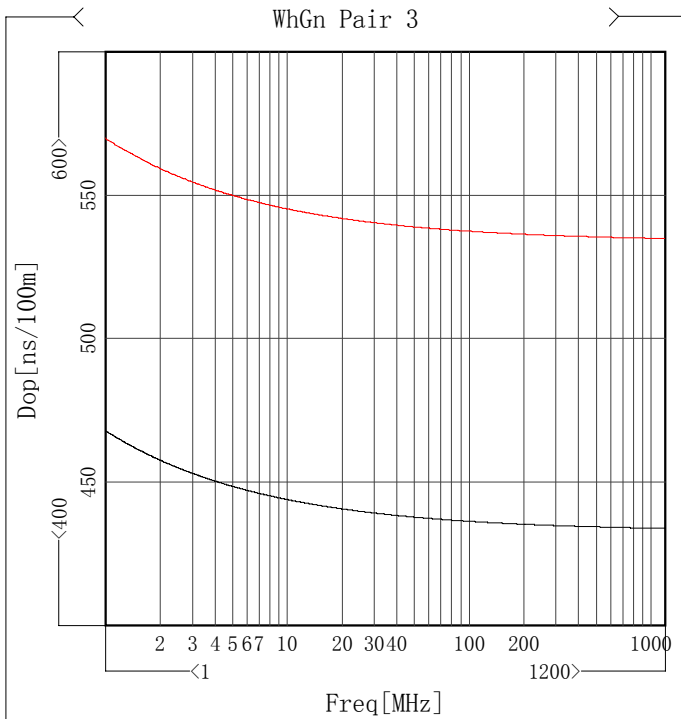
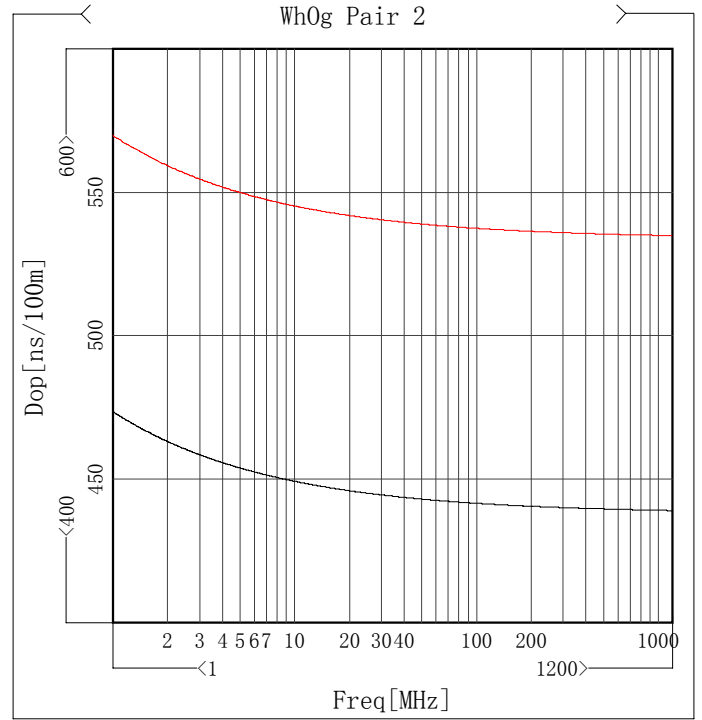
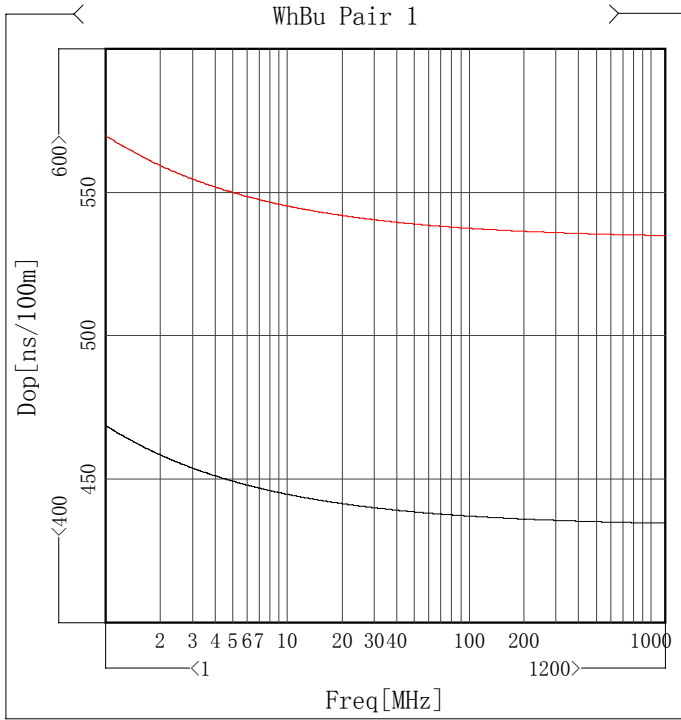
Att Test Report

	Item	Max [dB/100m]	Freq[MHz]	Std [dB/100m]	Margin [dB/100m]
✓	WhBu Pair 1	1.93	1.045	2.11	0.18
✓	Wh0g Pair 2	1.91	1.018	2.09	0.18
✓	WhGn Pair 3	1.91	1.018	2.09	0.18
✓	WhBn Pair 4	1.97	1.045	2.11	0.14



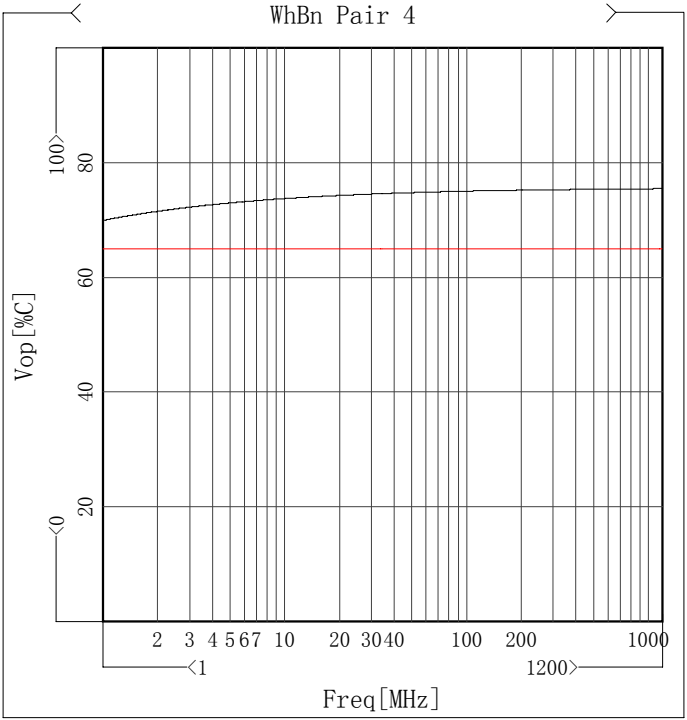
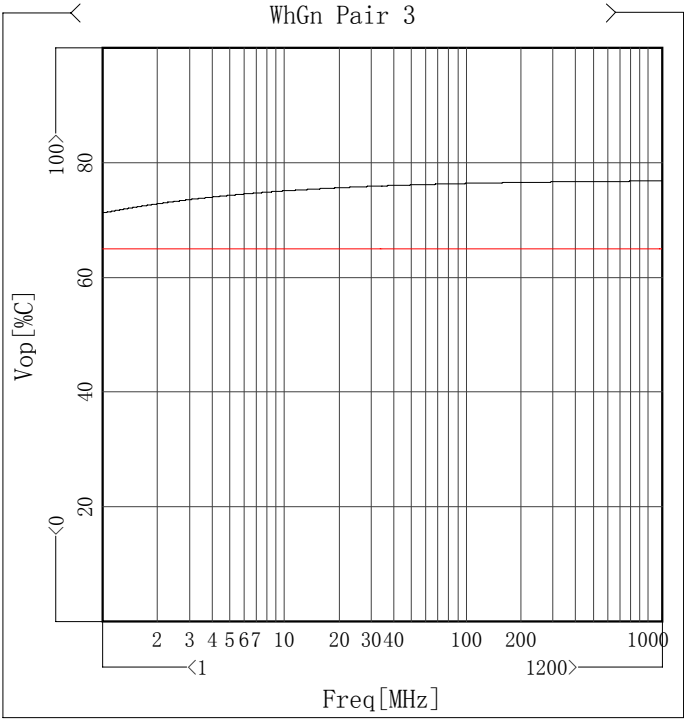
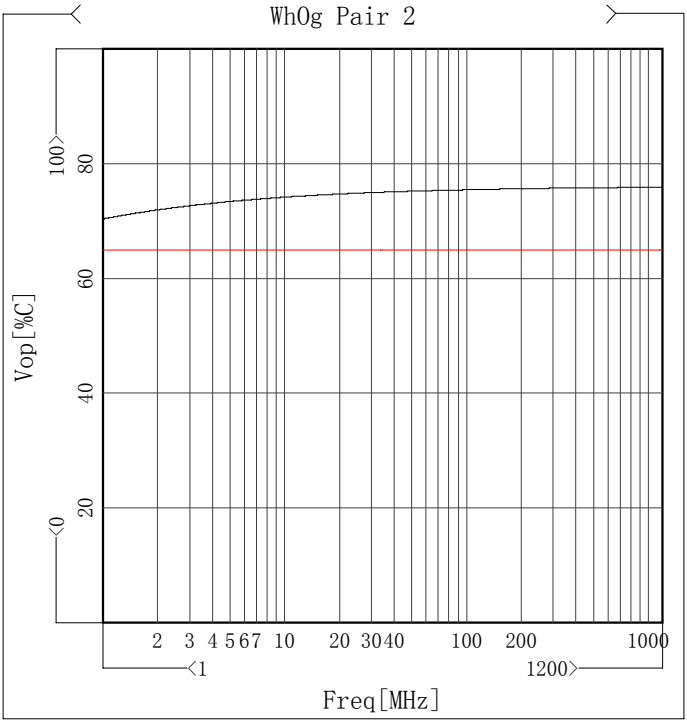
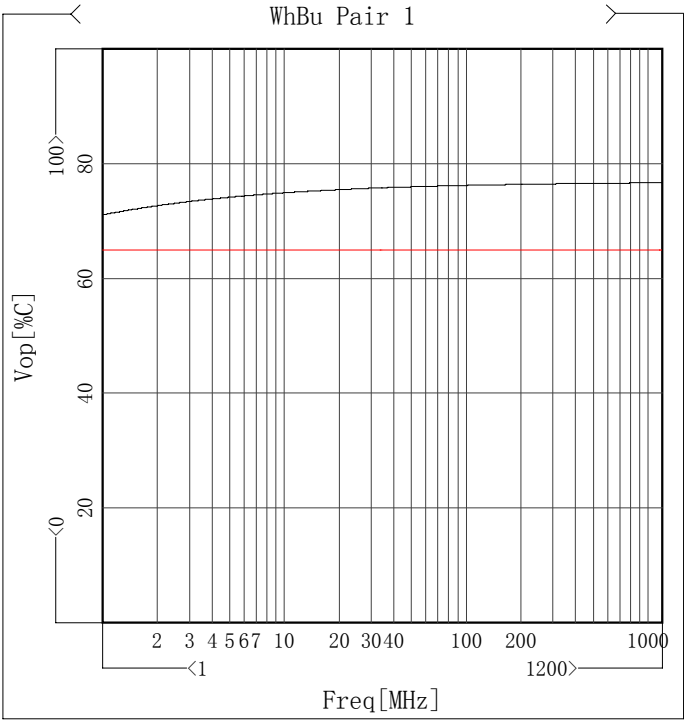
Dop Test Report

Item	Max [ns/100m]	Freq[MHz]	Std [ns/100m]	Margin [ns/100m]
✓ WhBu Pair 1	434.83	1147.98	535.06	100.23
✓ Wh0g Pair 2	439.9	440.805	535.71	95.81
✓ WhGn Pair 3	434.19	864.508	535.22	101.03
✓ WhBn Pair 4	445.68	53.008	538.94	93.26



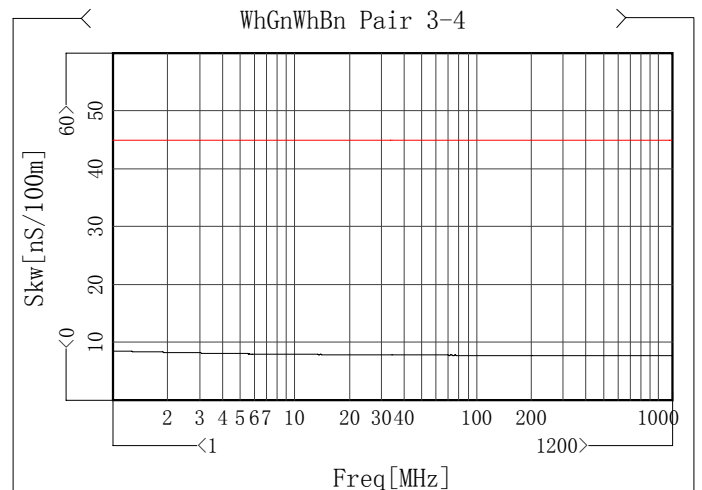
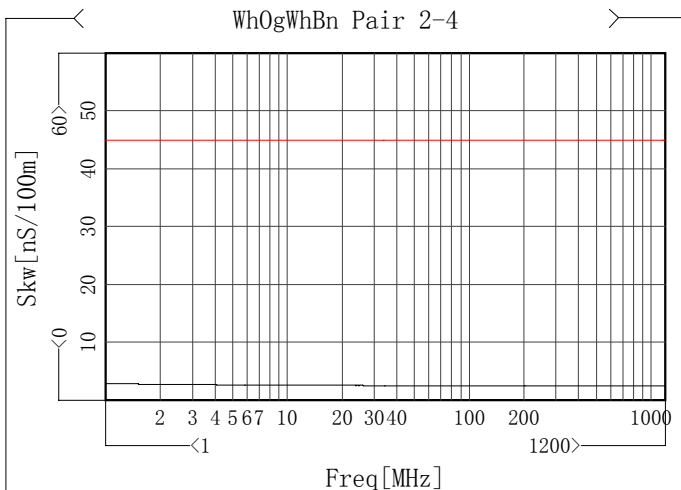
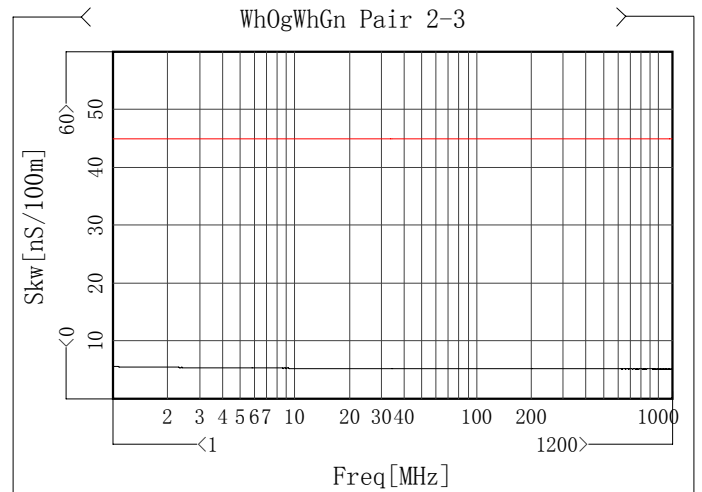
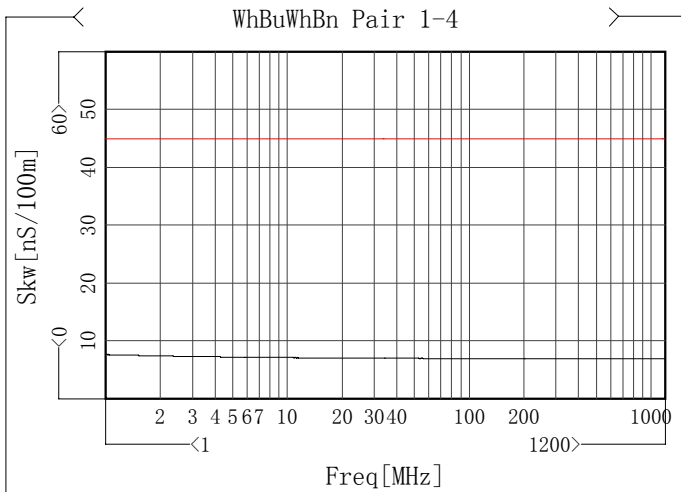
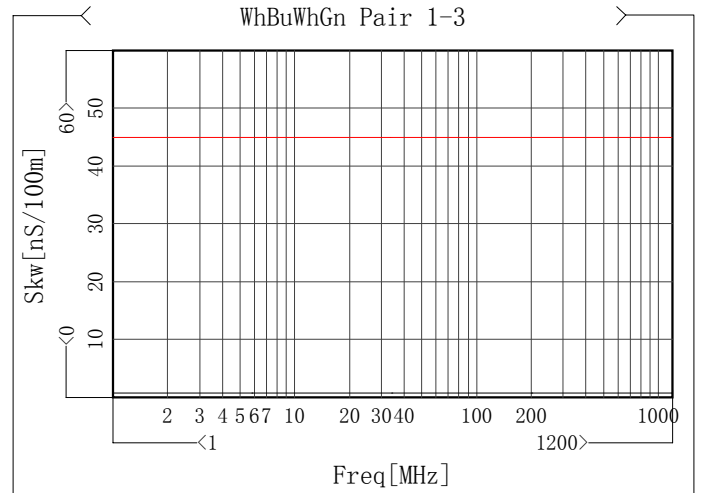
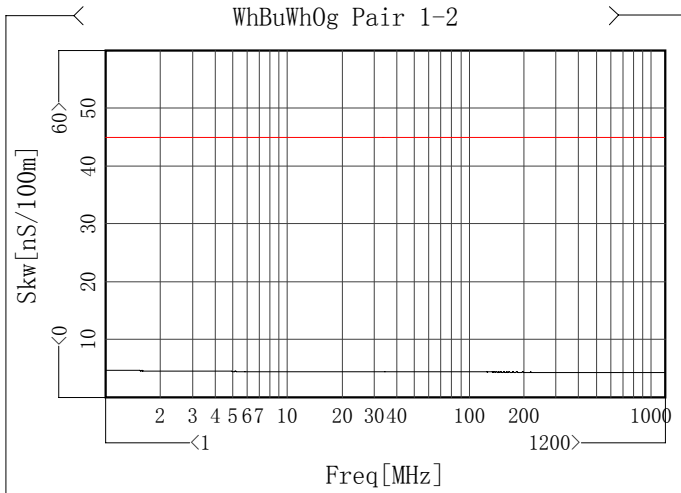
Vop Test Report

Item	Min [%C]	Freq[MHz]	Std [%C]	Margin [%C]
✓ WhBu Pair 1	71.13	1	65	6.13
✓ Wh0g Pair 2	70.41	1	65	5.41
✓ WhGn Pair 3	71.26	1	65	6.26
✓ WhBn Pair 4	69.97	1	65	4.97



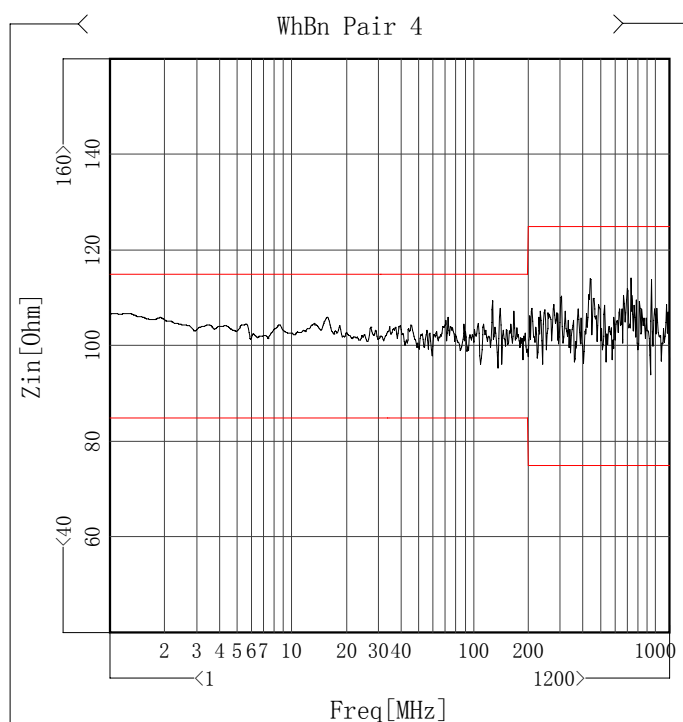
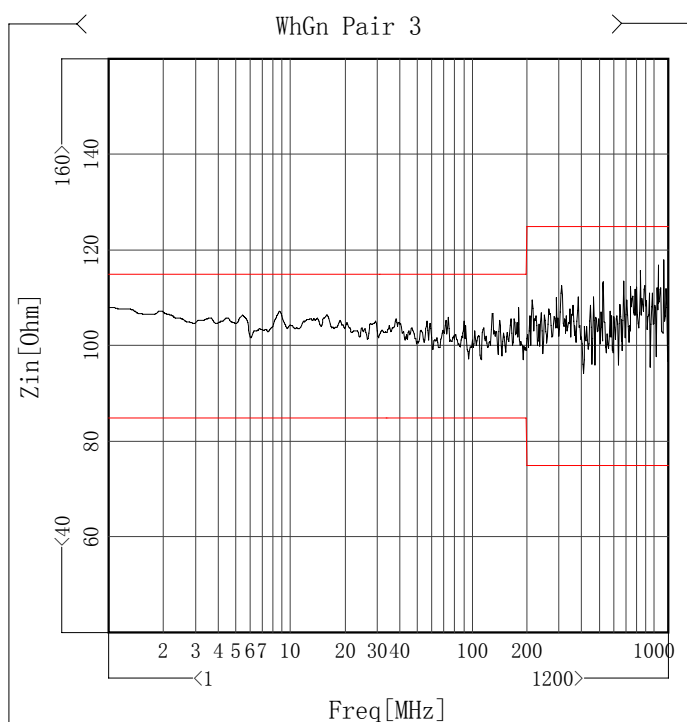
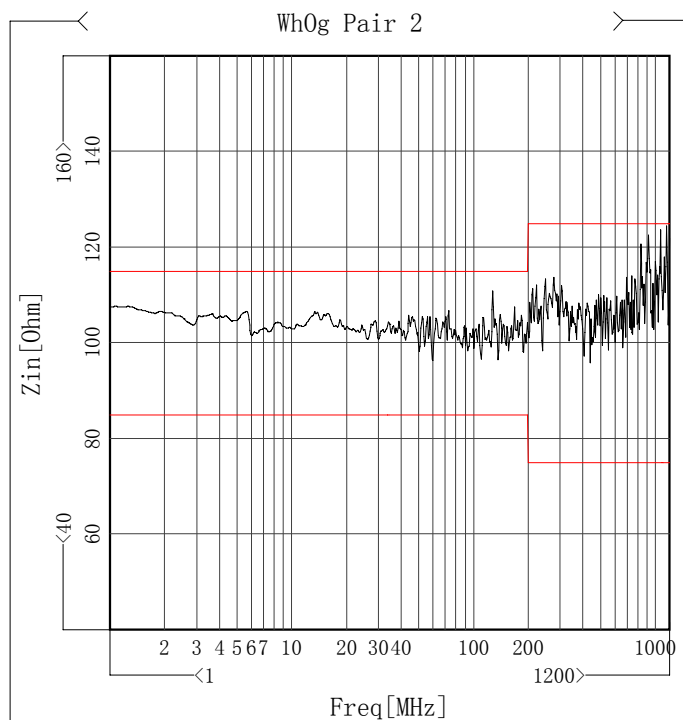
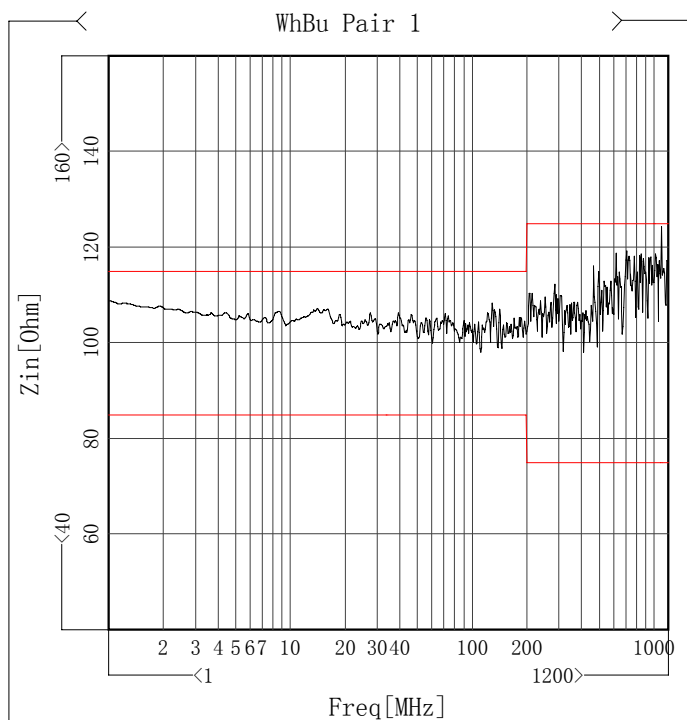
Skw Test Report

Item	Max [nS/100m]	Freq[MHz]	Std [nS/100m]	Margin [nS/100m]
✓ WhBuWhOg Pair 1-2	4.78	1.009	45	40.22
✓ WhBuWhGn Pair 1-3	0.87	1	45	44.13
✓ WhBuWhBn Pair 1-4	7.73	1	45	37.27
✓ WhOgWhGn Pair 2-3	5.65	1.009	45	39.35
✓ WhOgWhBn Pair 2-4	2.96	1	45	42.04
✓ WhGnWhBn Pair 3-4	8.6	1	45	36.4



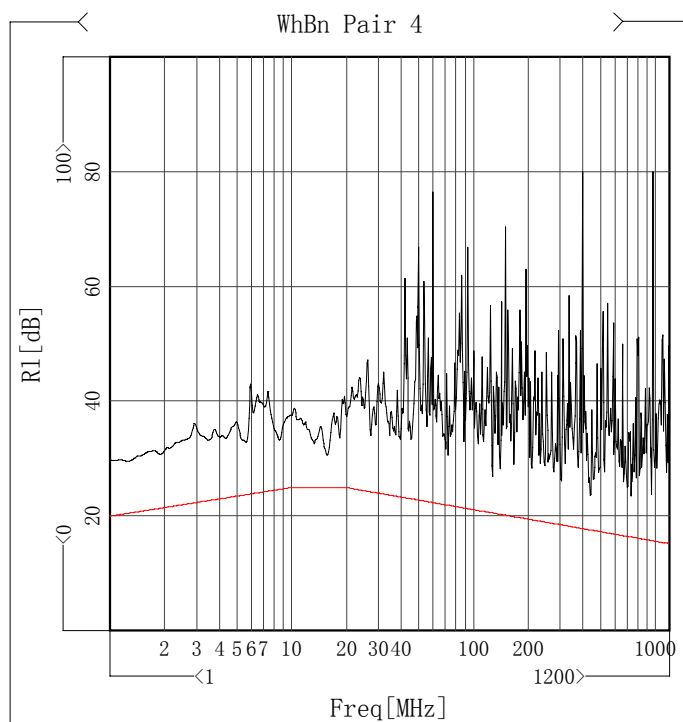
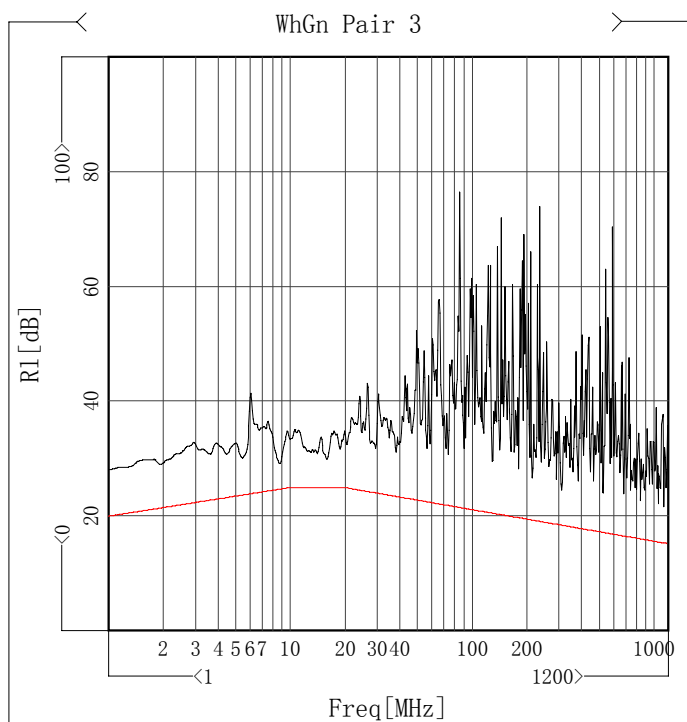
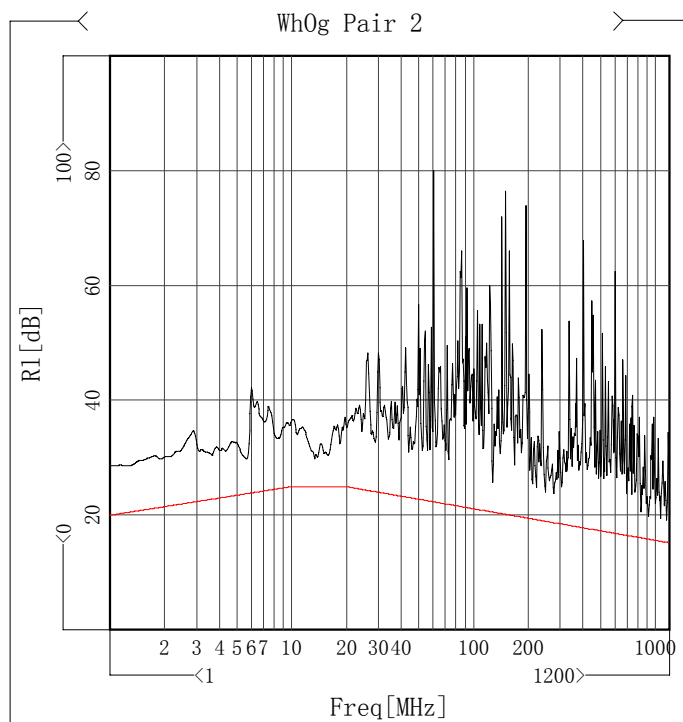
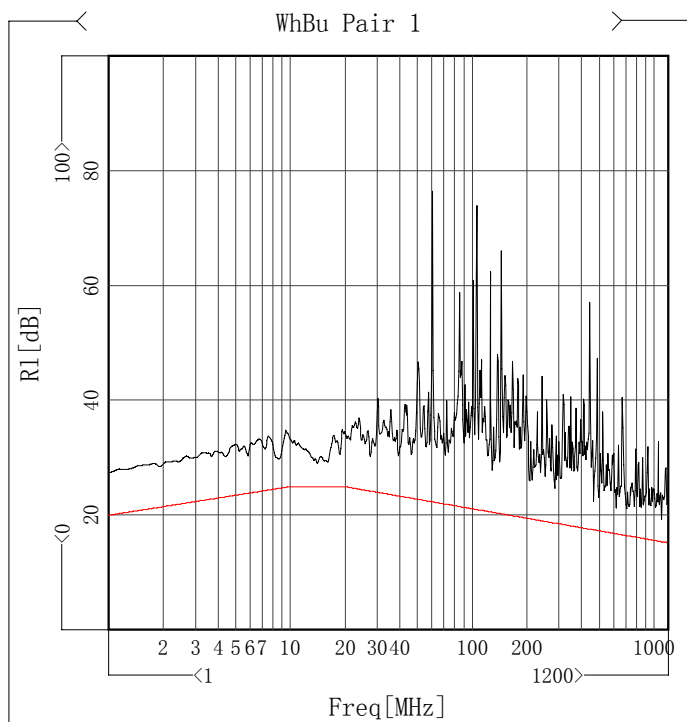
Zin Test Report

Item	Max [Ohm]	Freq[MHz]	Std [Ohm]	Margin [Ohm]	Min [Ohm]	Freq[MHz]	Std [Ohm]	Margin [Ohm]
✓ WhBu Pair 1	124.41	1108	125	0.59	98.14	111.598	85	13.14
✓ Wh0g Pair 2	124.56	1158.2	125	0.44	96.36	60.01	85	11.36
✓ WhGn Pair 3	108.14	1.027	115	6.86	97.09	112.591	85	12.09
✓ WhBn Pair 4	109.47	128.599	115	5.53	95.39	136.83	85	10.39



R1 Test Report

Item	Min [dB]	Freq[MHz]	Std [dB]	Margin [dB]
✓ WhBu Pair 1	19.27	1108	15.41	3.86
✓ Wh0g Pair 2	19.22	1158.2	15.3	3.92
✓ WhGn Pair 3	29.12	8.77	24.71	4.41
✓ WhBn Pair 4	30.62	15.741	25	5.62



Att[dB/100m]

No.	Freq [MHz]	Std (Up Limit)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	2.08	1.89	1.89	1.89	1.92
2	4	3.8	3.42	3.44	3.44	3.50
3	5	4.23	3.77	3.79	3.79	3.86
4	8	5.31	4.74	4.79	4.77	4.86
5	8.19	5.37	4.81	4.85	4.84	4.93
6	10	5.92	5.29	5.34	5.33	5.43
7	16	7.49	6.82	6.88	6.86	7.00
8	20	8.38	7.67	7.75	7.72	7.88
9	25	9.38	8.60	8.68	8.65	8.83
10	31.25	10.5	9.71	9.80	9.77	9.97
11	50	13.35	12.35	12.42	12.39	12.67
12	62.5	14.98	13.82	13.90	13.85	14.10
13	100	19.12	17.67	17.80	17.66	18.08
14	125	21.5	19.87	20.01	19.82	20.31
15	155	24.07	22.28	22.41	22.17	22.74
16	200	27.56	25.52	25.65	25.31	26.02
17	250	31.04	28.77	28.90	28.46	29.29
18	300	34.24	31.76	31.87	31.33	32.30
19	350	37.21	34.55	34.64	33.99	35.09
20	400	40.01	37.17	37.24	36.49	37.71
21	450	42.67	39.65	39.71	38.84	40.19
22	500	45.21	42.04	42.07	41.09	42.57
23	550	47.64	44.32	44.32	43.25	44.84
24	600	49.99	46.52	46.51	45.32	47.04
25	650	52.26	48.66	48.62	47.32	49.16
26	900	62.71	58.49	58.31	56.47	58.89
27	1000	66.56	62.13	61.88	59.82	62.47
28	1200	73.85	69.02	68.65	66.13	69.25

Dop[ns/100m]

No.	Freq [MHz]	Std (Up Limit)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	570	468.96	473.73	468.09	476.69
2	4	552	451.37	455.97	450.54	458.72
3	8	546.73	446.22	450.76	445.40	453.45
4	10	545.38	444.91	449.44	444.09	452.11
5	16	543	442.58	447.09	441.77	449.73
6	20	542.05	441.65	446.15	440.84	448.78
7	25	541.2	440.82	445.31	440.01	447.92
8	31.25	540.44	440.08	444.56	439.27	447.17
9	50	539.09	438.76	443.23	437.95	445.82
10	62.5	538.55	438.24	442.70	437.43	445.29
11	100	537.6	437.30	441.76	436.50	444.33
12	125	537.22	436.93	441.38	436.13	443.95
13	200	536.55	436.27	440.71	435.47	443.28
14	250	536.28	436.01	440.45	435.21	443.01
15	300	536.08	435.81	440.25	435.01	442.81

Dop[ns/100m] (Continuation 1)

No.	Freq [MHz]	Std (Up Limit)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
16	350	535.92	435.67	440.10	434.87	442.66
17	450	535.7	435.45	439.88	434.65	442.43
18	500	535.61	435.36	439.79	434.56	442.35
19	550	535.54	435.29	439.72	434.49	442.27
20	600	535.47	435.22	439.65	434.42	442.20
21	650	535.41	435.17	439.60	434.37	442.15
22	900	535.2	434.96	439.39	434.16	441.93
23	1000	535.14	434.90	439.33	434.10	441.88
24	1200	535.04	434.80	439.23	434.00	441.78

Vop[%C]

No.	Freq [MHz]	Std (Down Limit)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	65	71.13	70.41	71.26	69.97
2	4	65	73.90	73.15	74.03	72.71
3	8	65	74.76	74.00	74.89	73.56
4	10	65	74.97	74.22	75.11	73.78
5	16	65	75.37	74.61	75.51	74.17
6	20	65	75.53	74.76	75.66	74.33
7	25	65	75.67	74.90	75.81	74.47
8	31.25	65	75.79	75.03	75.93	74.59
9	50	65	76.02	75.25	76.16	74.82
10	62.5	65	76.12	75.35	76.26	74.91
11	100	65	76.28	75.51	76.42	75.07
12	125	65	76.34	75.57	76.48	75.13
13	200	65	76.46	75.69	76.60	75.25
14	250	65	76.50	75.73	76.64	75.29
15	300	65	76.54	75.77	76.68	75.33
16	350	65	76.56	75.79	76.70	75.35
17	450	65	76.60	75.83	76.74	75.39
18	500	65	76.62	75.85	76.76	75.41
19	550	65	76.63	75.86	76.77	75.42
20	600	65	76.64	75.87	76.78	75.43
21	650	65	76.65	75.88	76.79	75.44
22	900	65	76.69	75.91	76.83	75.48
23	1000	65	76.70	75.92	76.84	75.49
24	1200	65	76.72	75.94	76.86	75.50

Skw[nS/100m]

No.	Freq [MHz]	Std (Up Limit)	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	4.77	0.87	7.73	5.64	2.96	8.60
2	4	45	4.60	0.83	7.35	5.43	2.75	8.18
3	8	45	4.54	0.82	7.23	5.36	2.69	8.05
4	10	45	4.53	0.82	7.20	5.35	2.67	8.02
5	16	45	4.51	0.81	7.15	5.32	2.64	7.96
6	20	45	4.50	0.81	7.13	5.31	2.63	7.94

Skw[nS/100m] (Continuation 1)

No.	Freq [MHz]	Std (Up Limit)	WhBuWhOg Pair 1-2	WhBuWhGn Pair 1-3	WhBuWhBn Pair 1-4	WhOgWhGn Pair 2-3	WhOgWhBn Pair 2-4	WhGnWhBn Pair 3-4
7	25	45	4.49	0.81	7.10	5.30	2.61	7.91
8	31.25	45	4.48	0.81	7.09	5.29	2.61	7.90
9	50	45	4.47	0.81	7.06	5.28	2.59	7.87
10	62.5	45	4.46	0.81	7.05	5.27	2.59	7.86
11	100	45	4.45	0.80	7.03	5.25	2.58	7.83
12	125	45	4.45	0.80	7.02	5.25	2.57	7.82
13	200	45	4.44	0.80	7.01	5.24	2.57	7.81
14	250	45	4.44	0.80	7.00	5.24	2.56	7.80
15	300	45	4.44	0.80	7.00	5.24	2.56	7.80
16	350	45	4.43	0.80	6.99	5.23	2.56	7.79
17	450	45	4.43	0.80	6.98	5.23	2.55	7.78
18	500	45	4.43	0.80	6.99	5.23	2.56	7.79
19	550	45	4.43	0.80	6.98	5.23	2.55	7.78
20	600	45	4.43	0.80	6.98	5.23	2.55	7.78
21	650	45	4.43	0.80	6.98	5.23	2.55	7.78
22	900	45	4.43	0.80	6.97	5.23	2.54	7.77
23	1000	45	4.43	0.80	6.98	5.23	2.55	7.78
24	1200	45	4.43	0.80	6.98	5.23	2.55	7.78

Zin[Ohm]

No.	Freq [MHz]	Std		WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
		(Up Limit)	(Down Limit)				
1	1	115	85	108.85	107.63	108.11	106.68
2	4	115	85	105.75	105.53	104.81	104.14
3	8	115	85	104.83	103.76	104.05	103.44
4	10	115	85	104.44	103.06	104.34	102.65
5	16	115	85	107.10	106.13	106.53	105.76
6	20	115	85	103.78	103.25	103.67	102.64
7	25	115	85	104.42	102.67	103.68	102.02
8	31.25	115	85	103.98	102.48	102.46	102.07
9	50	115	85	102.12	100.83	100.66	100.14
10	62.5	115	85	104.19	105.00	101.31	102.50
11	100	115	85	102.60	101.89	100.71	101.30
12	125	115	85	104.55	99.48	100.97	101.00
13	200	115	85	102.43	102.71	101.20	98.07
14	250	125	75	106.53	113.38	106.48	105.51
15	300	125	75	106.64	105.42	103.65	103.63
16	350	125	75	102.03	107.64	102.09	103.50
17	450	125	75	104.38	100.19	107.06	103.50
18	500	125	75	114.34	104.93	105.25	106.30
19	550	125	75	107.66	104.39	98.67	100.34
20	600	125	75	107.03	105.13	98.86	104.72
21	650	125	75	113.74	104.06	108.03	104.51
22	900	125	75	114.74	115.80	110.34	104.41
23	1000	125	75	112.64	112.33	104.64	107.22
24	1200	125	75	111.49	122.02	113.35	97.18

R1[dB]

No.	Freq [MHz]	Std (Down Limit)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	20	27.46	28.70	28.19	29.81
2	4	23.01	31.07	31.41	32.59	33.86
3	8	24.52	32.56	34.69	34.05	35.45
4	10	25	33.26	36.43	33.45	37.67
5	16	25	29.30	30.52	30.00	31.06
6	20	25	34.62	35.94	34.90	37.69
7	25	24.47	33.31	37.60	34.90	40.01
8	31.25	23.93	34.21	38.23	38.32	39.80
9	50	22.81	39.92	48.00	50.08	60.75
10	62.5	22.28	33.79	32.26	43.75	38.24
11	100	21.16	37.89	41.53	50.72	44.49
12	125	20.62	33.07	50.30	46.37	46.27
13	155	20.11	33.58	39.60	40.11	55.46
14	200	19.5	38.47	37.75	42.51	40.93
15	250	18.97	30.01	24.06	30.06	31.48
16	300	18.53	30.40	31.89	36.06	35.83
17	350	18.16	40.37	28.73	40.07	35.30
18	400	17.84	32.78	37.95	40.83	78.21
19	450	17.56	34.59	53.31	29.87	36.09
20	500	17.31	23.54	33.16	31.97	32.29
21	550	17.08	28.68	33.47	43.85	56.56
22	600	16.88	29.38	32.31	48.66	32.82
23	650	16.68	23.85	34.83	28.47	33.13
24	900	15.91	23.27	22.73	26.34	33.69
25	1000	15.66	24.52	25.20	32.89	29.19
26	1200	15.22	25.30	20.07	24.07	36.89