

Test Information

Test Time : 2016/12/26 10:21:17	Temperature:25C
Exec Std:TIA568C.2-350 C5E	Test Result:Pass
Cable Length:305m	LOT:
ORDER ID:	CUSTOMER ID:HZBY
PART NO. :20161122002	OPERATOR:
Cable Drum:UTP CAT5E 4*2*24AWG PE	

Test Result List

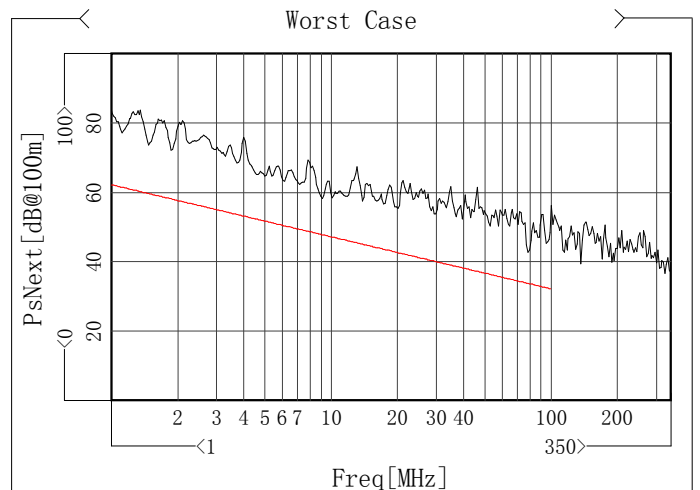
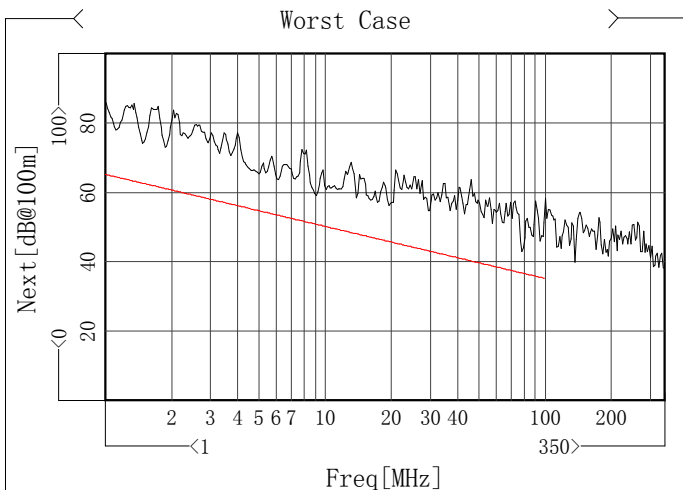
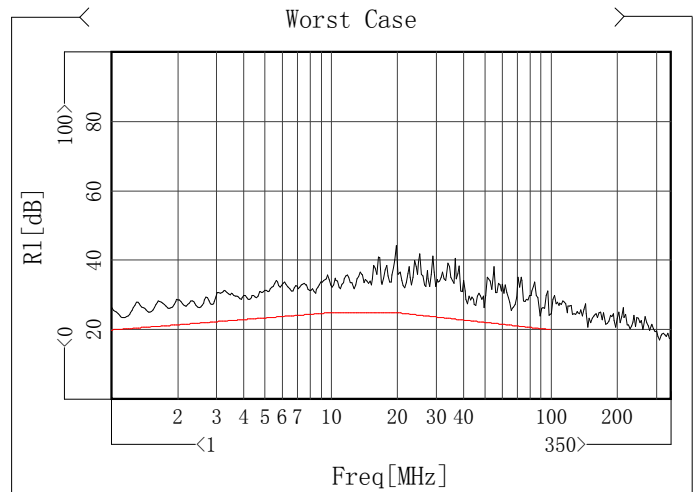
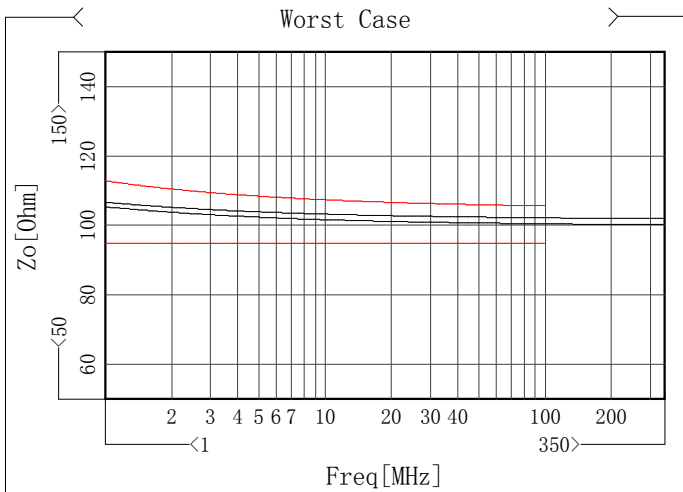
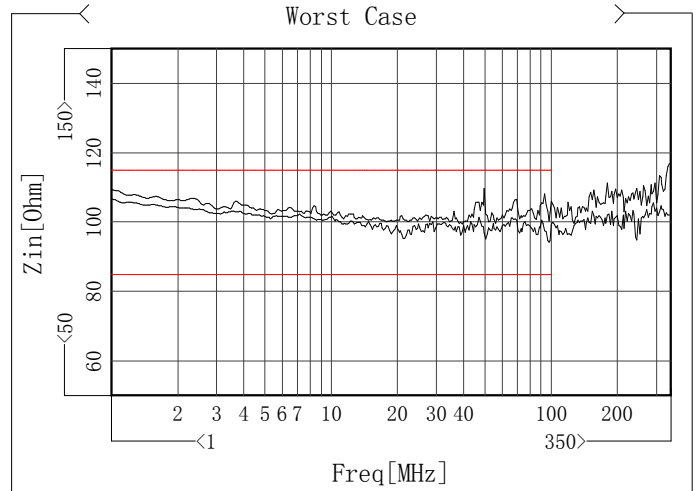
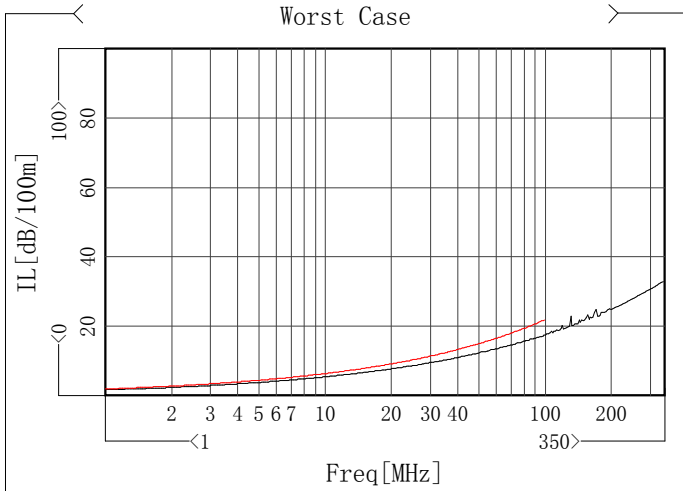
Test Item	Unit	Test Result
IL	dB/100m	Pass
Zin	Ohm	Pass
Zo	Ohm	Pass
Rl	dB	Pass
Next	dB@100m	Pass
PsNext	dB@100m	Pass

Testot : _____
Date : _____

Operator : _____
Date : _____

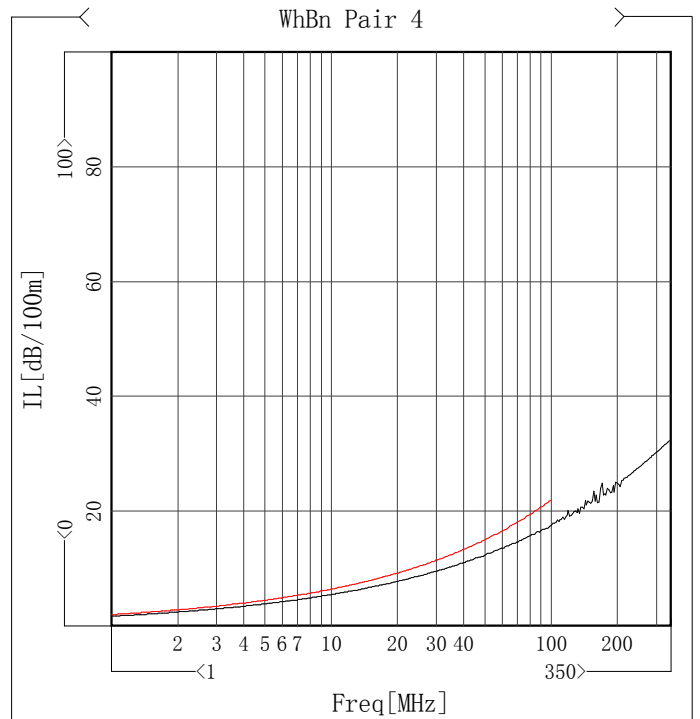
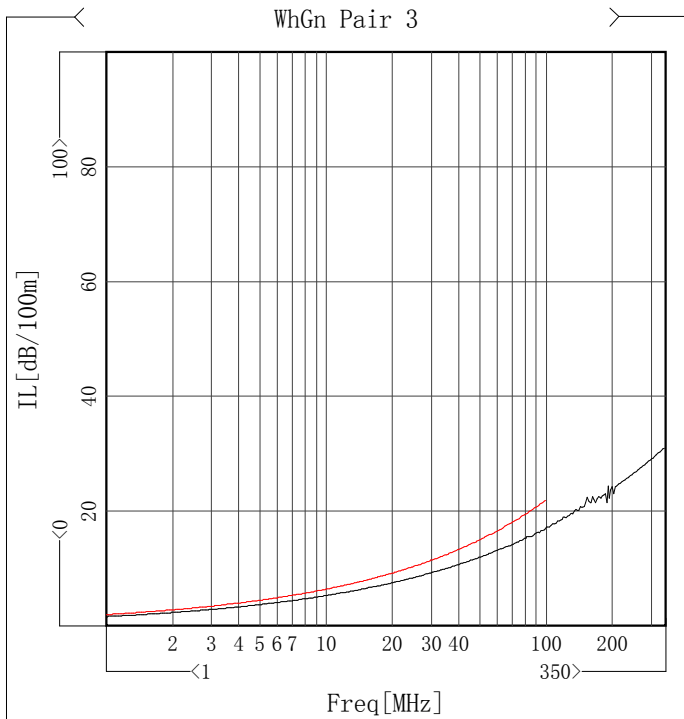
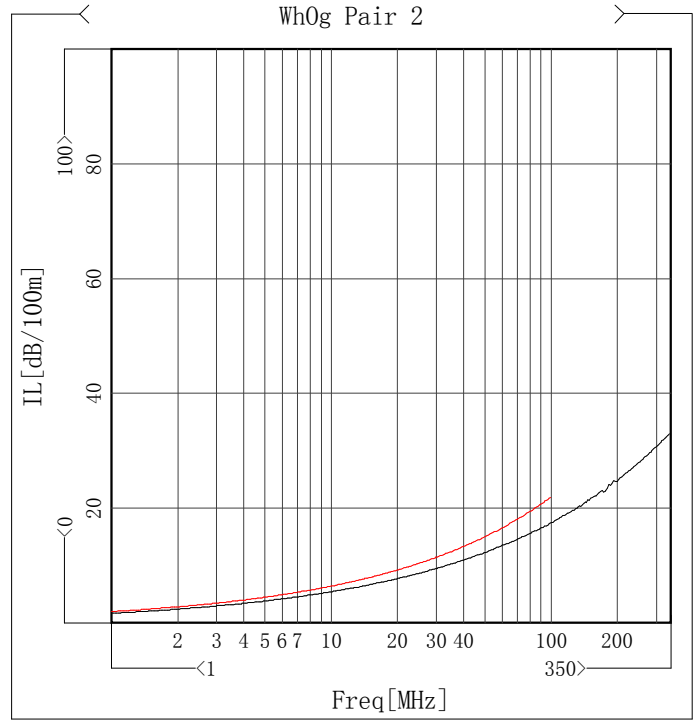
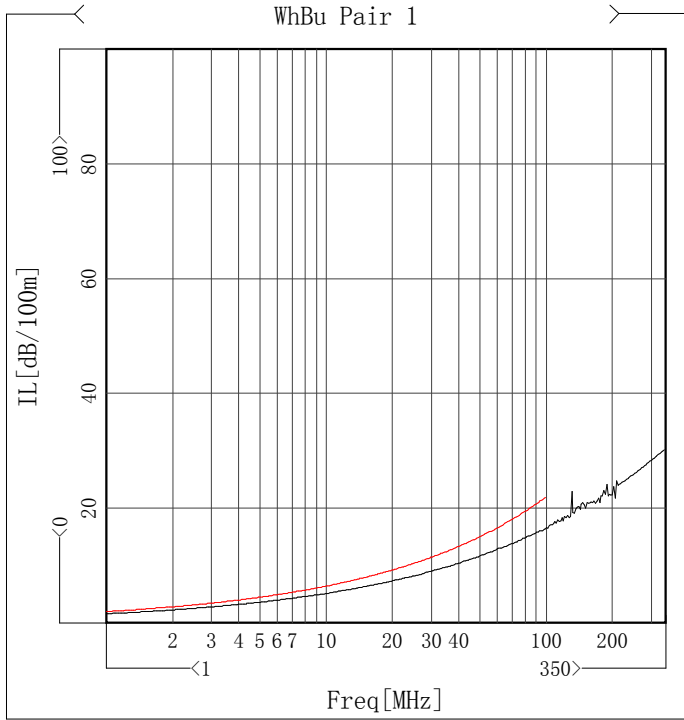
Worst Summary Of High Freq Parameter

Item	Max	Freq[MHz]	Std	Margin	Min	Freq[MHz]	Std	Margin
✓ IL[dB/100m]	1.77	1.017	2.06	0.29	/	/	/	/
✓ Zin[Ohm]	109.91	49.907	115	5.09	94.3	98.12	85	9.3
✓ Zo[Ohm]	102.33	99.774	105.8	3.47	100.62	99.774	95	5.62
✓ Rl[dB]	/	/	/	/	23.55	1.154	20.31	3.24
✓ Next[dB@100m]	/	/	/	/	43.13	79.483	36.8	6.33
✓ PsNext[dB@100m]	/	/	/	/	42.87	79.483	33.8	9.07



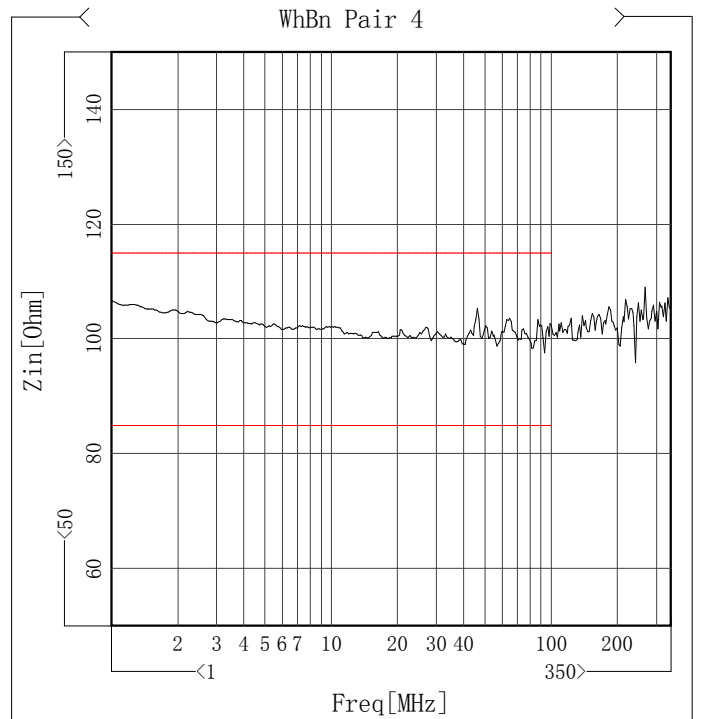
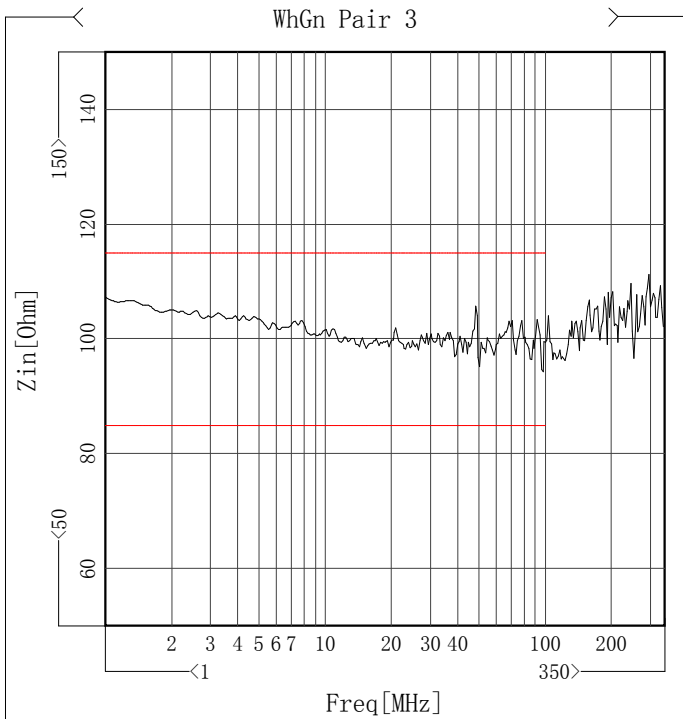
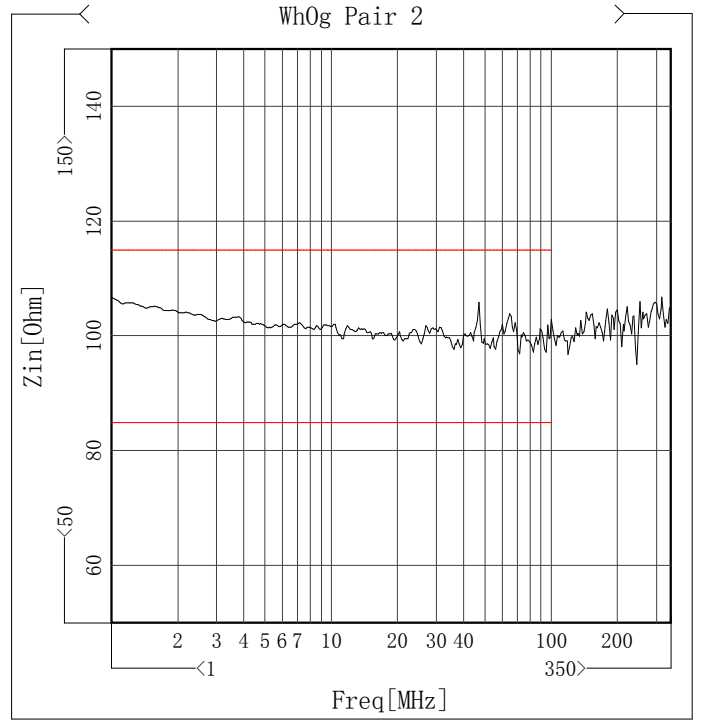
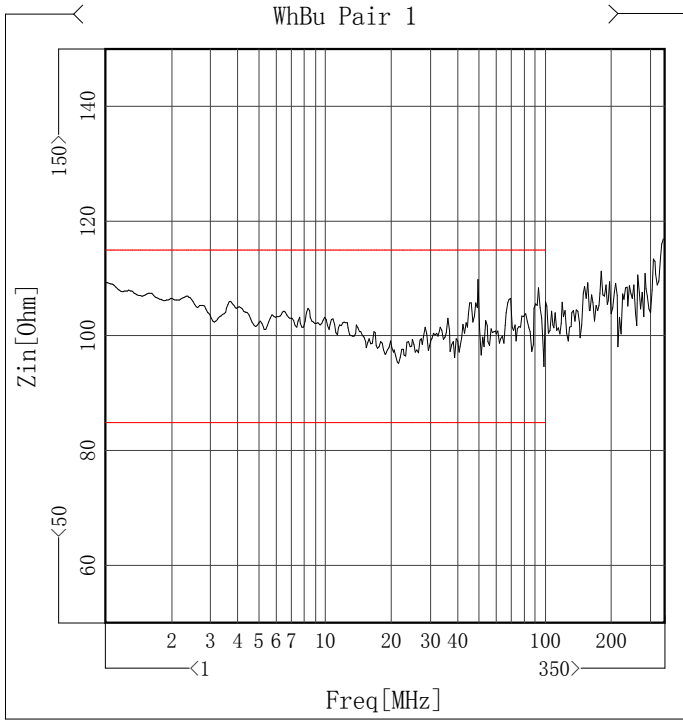
IL Test Report

Item	Max [dB/100m]	Freq[MHz]	Std [dB/100m]	Margin [dB/100m]
✓ WhBu Pair 1	1.68	1.034	2.07	0.39
✓ WhOg Pair 2	1.77	1.034	2.07	0.3
✓ WhGn Pair 3	1.71	1.017	2.06	0.35
✓ WhBn Pair 4	1.77	1.017	2.06	0.29



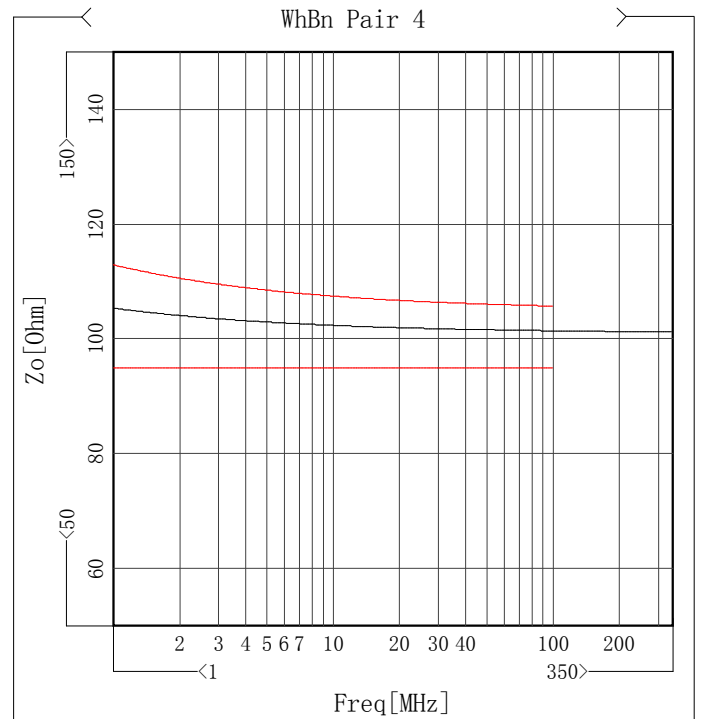
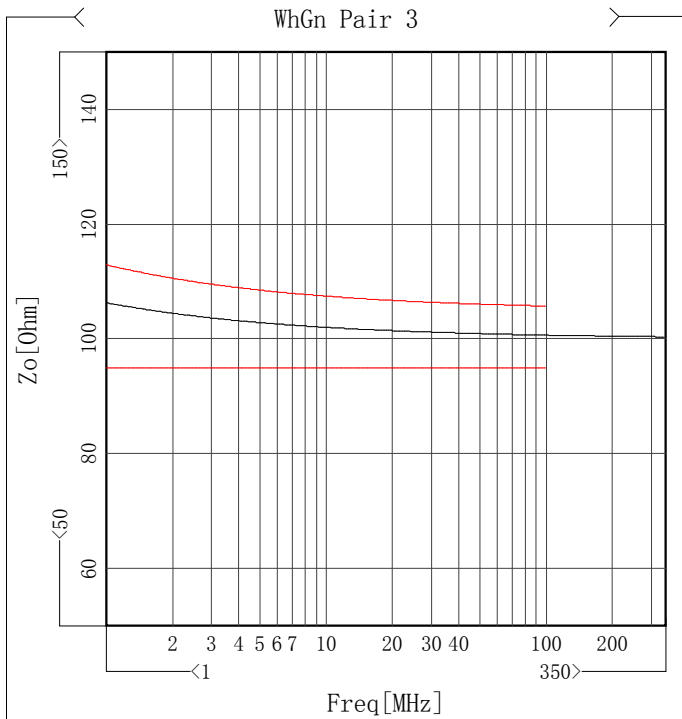
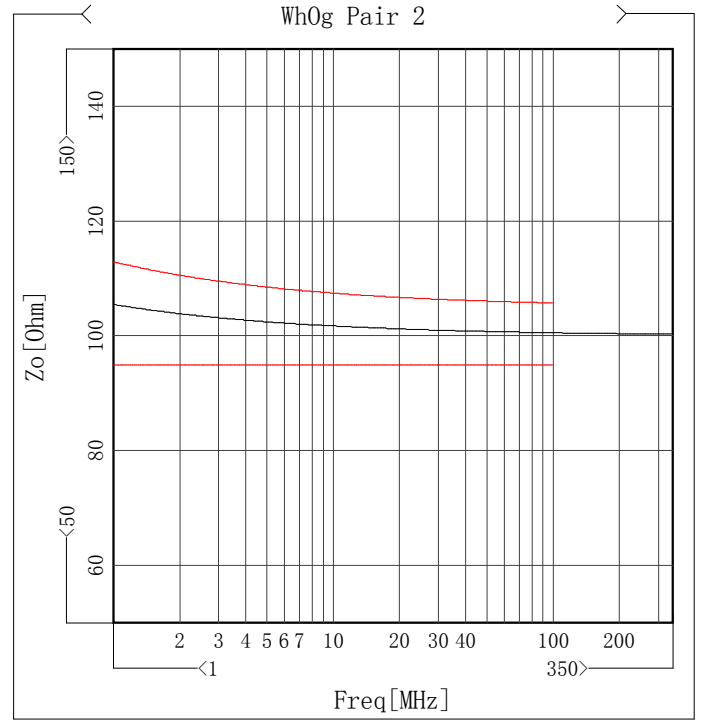
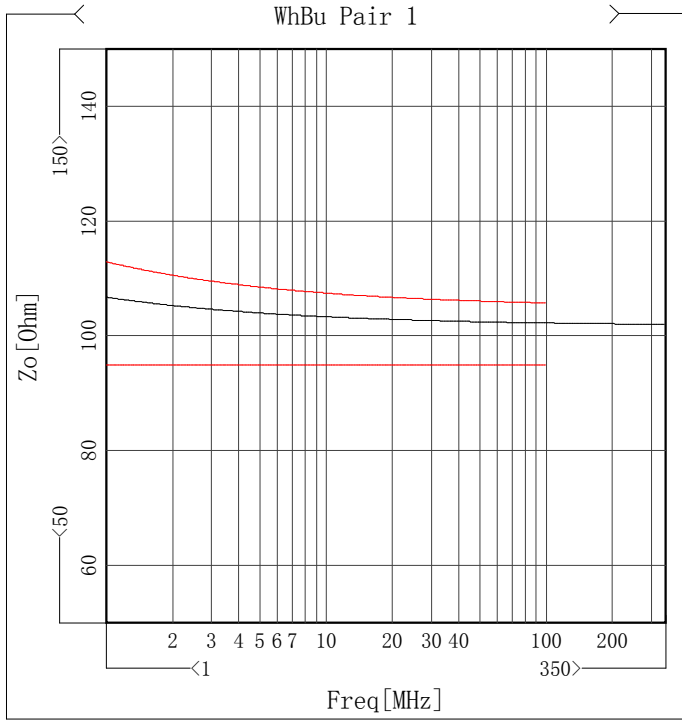
Zin Test Report

Item	Max [Ohm]	Freq[MHz]	Std [Ohm]	Margin [Ohm]	Min [Ohm]	Freq[MHz]	Std [Ohm]	Margin [Ohm]
✓ WhBu Pair 1	109.91	49.907	115	5.09	94.77	99.774	85	9.77
✓ WhOg Pair 2	106.82	1	115	8.18	96.99	72.292	85	11.99
✓ WhGn Pair 3	107.35	1	115	7.65	94.3	98.12	85	9.3
✓ WhBn Pair 4	106.77	1	115	8.23	97.68	93.865	85	12.68



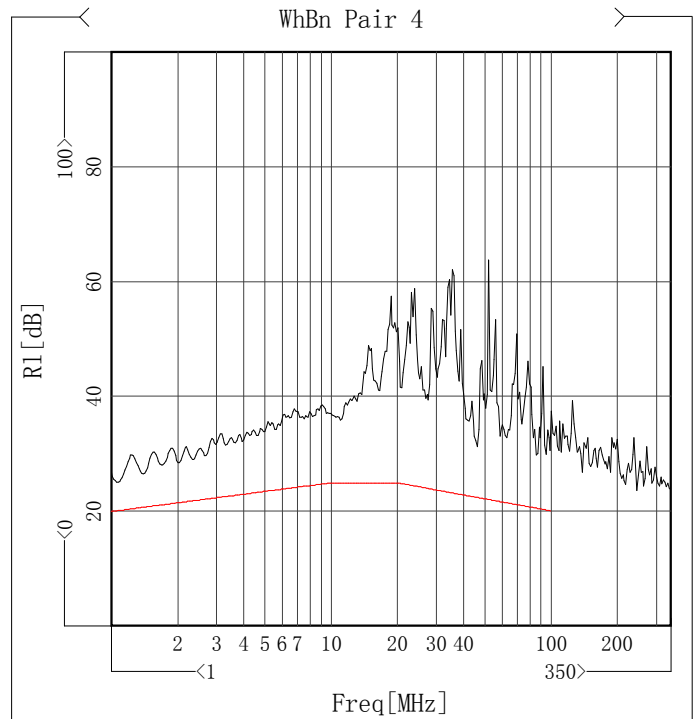
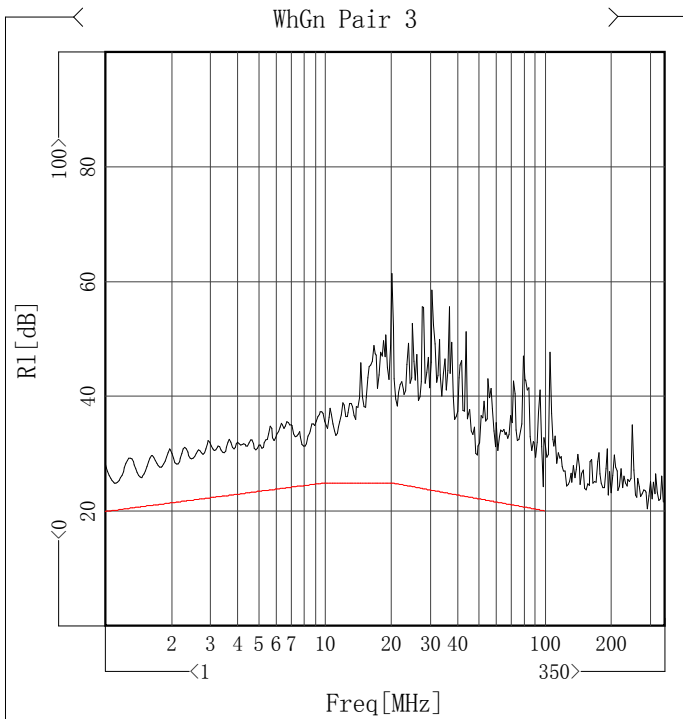
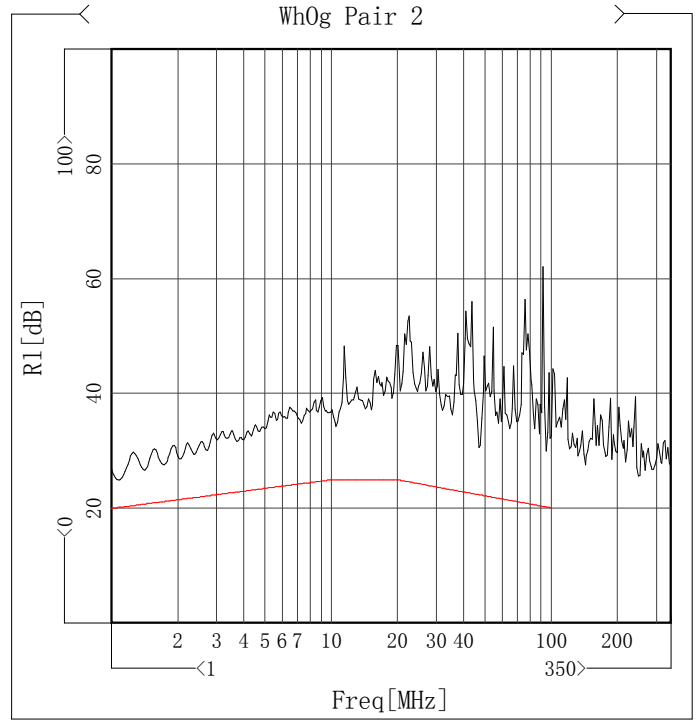
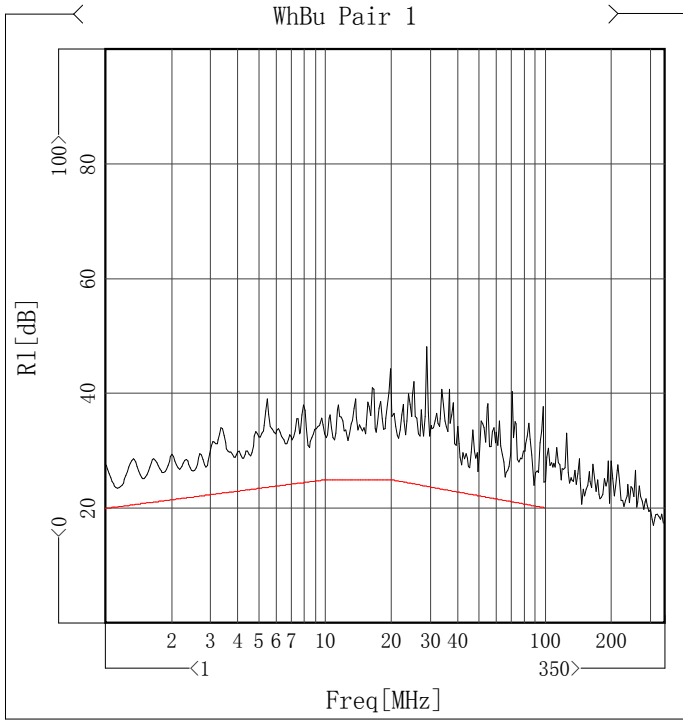
Zo Test Report

Item	Max [Ohm]	Freq[MHz]	Std [Ohm]	Margin [Ohm]	Min [Ohm]	Freq[MHz]	Std [Ohm]	Margin [Ohm]
✓ WhBu Pair 1	102.33	99.774	105.8	3.47	102.33	96.466	95	7.33
✓ WhOg Pair 2	100.63	96.466	105.81	5.18	100.62	99.774	95	5.62
✓ WhGn Pair 3	100.75	96.466	105.81	5.06	100.74	98.12	95	5.74
✓ WhBn Pair 4	101.49	99.774	105.8	4.31	101.49	96.466	95	6.49



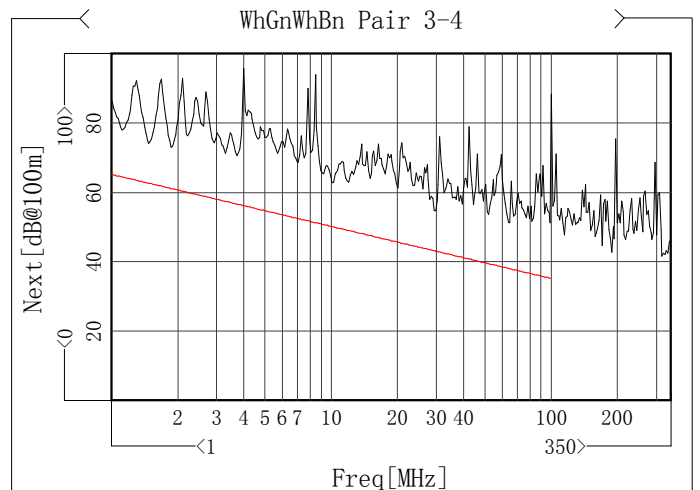
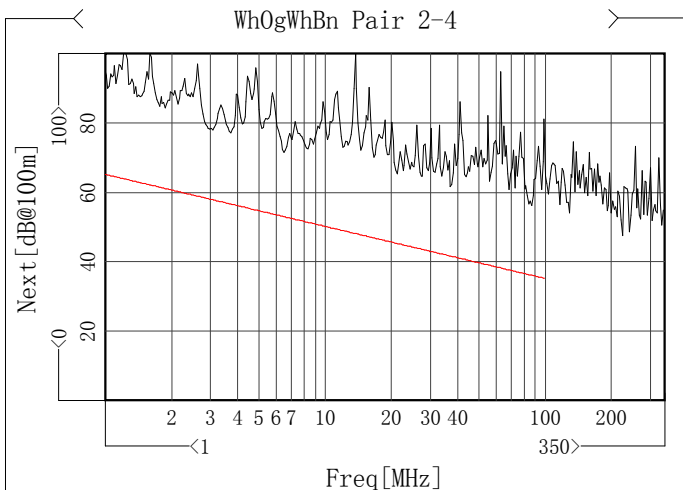
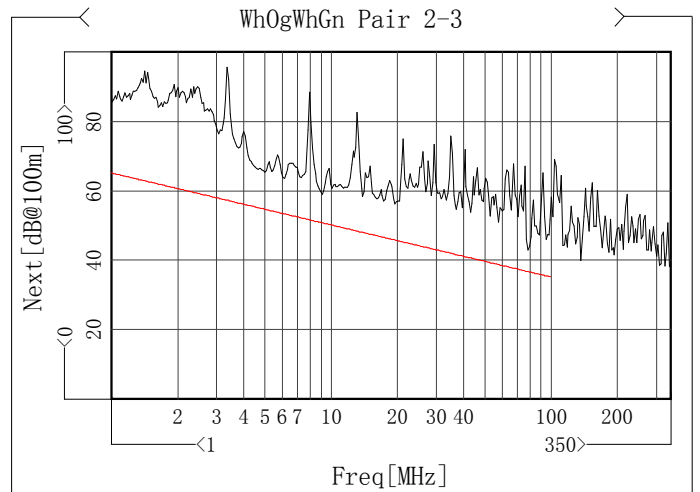
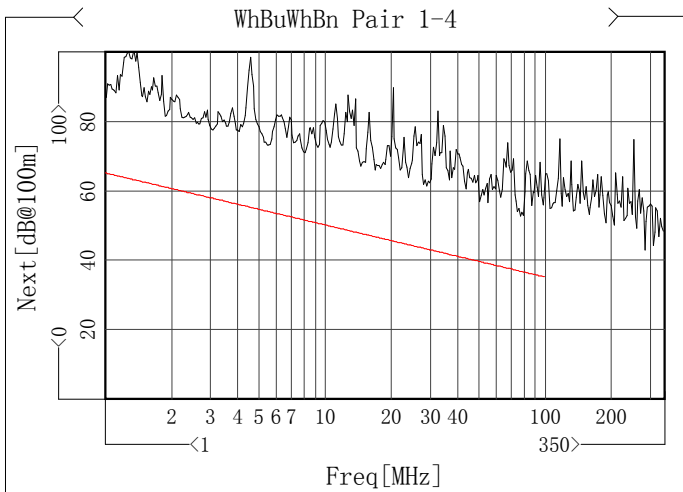
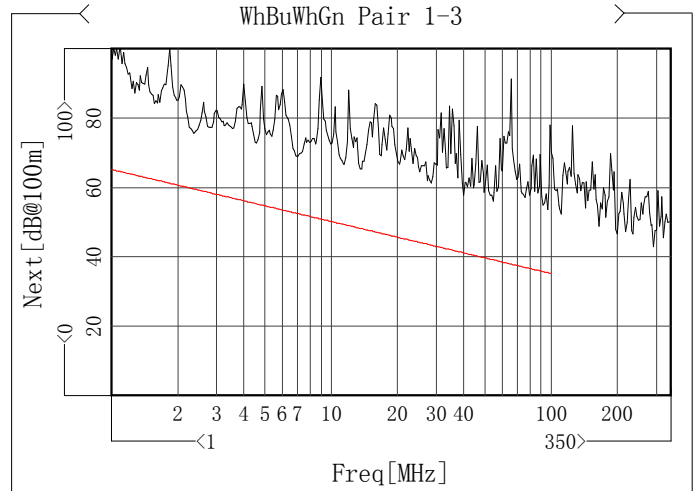
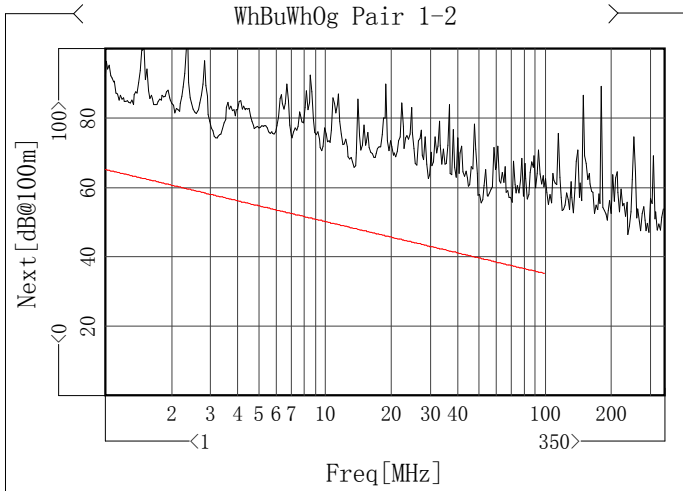
R1 Test Report

Item	Min [dB]	Freq[MHz]	Std [dB]	Margin [dB]
✓ WhBu Pair 1	23.55	1.154	20.31	3.24
✓ WhOg Pair 2	24.99	1.103	20.21	4.78
✓ WhGn Pair 3	24.28	98.12	20.16	4.12
✓ WhBn Pair 4	25.12	1.086	20.18	4.94



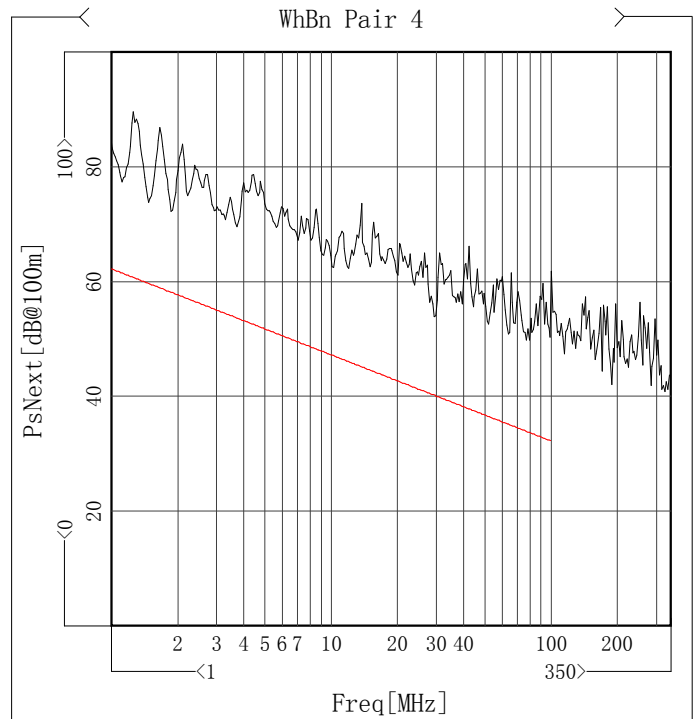
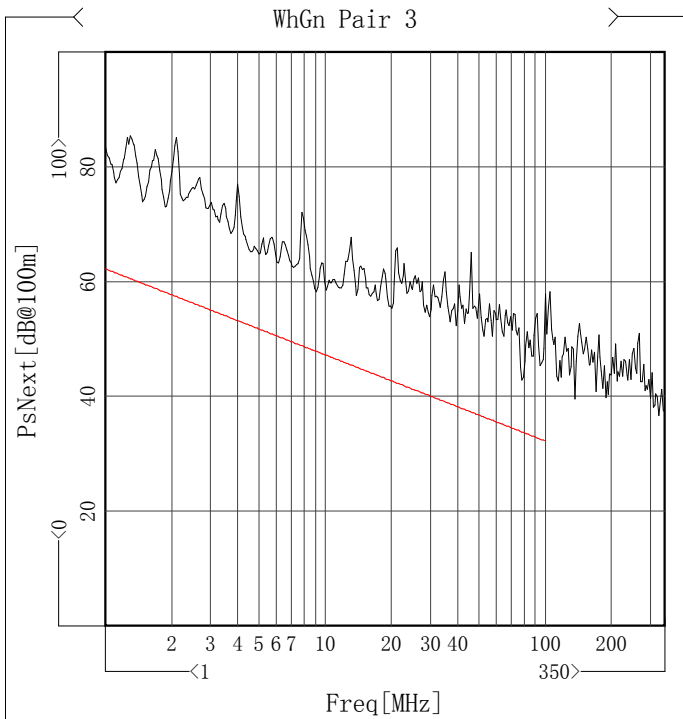
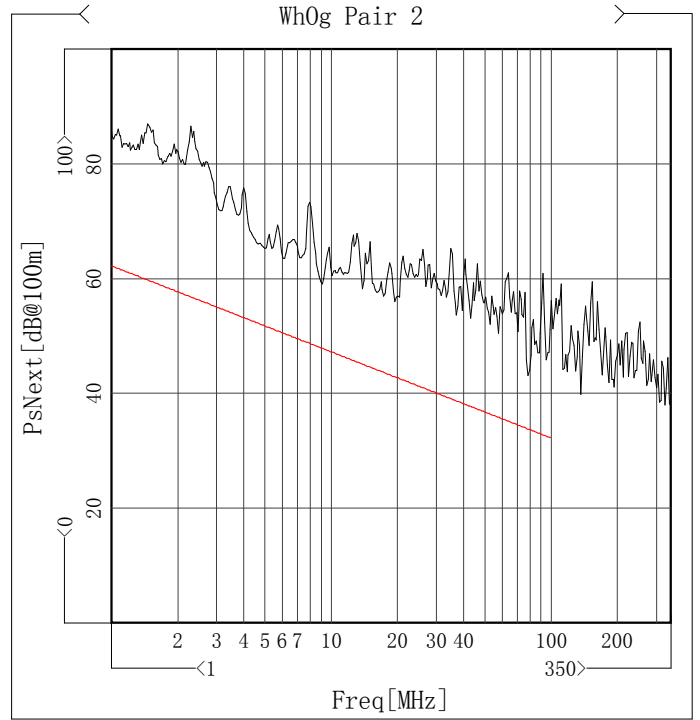
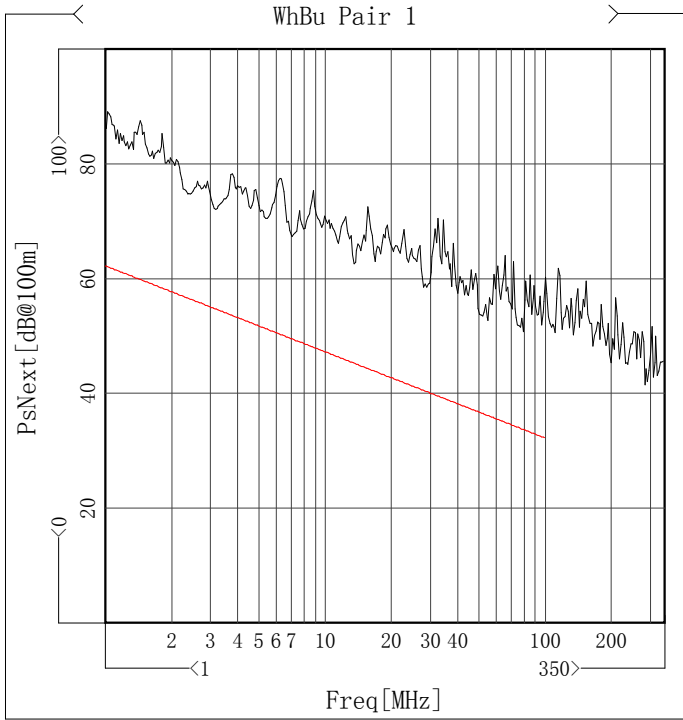
Next Test Report

Item	Min [dB@100m]	Freq[MHz]	Std [dB@100m]	Margin [dB@100m]
✓ WhBuWhOg Pair 1-2	55.74	51.632	39.61	16.13
✓ WhBuWhGn Pair 1-3	75.7	2.397	59.61	16.09
✓ WhBuWhBn Pair 1-4	52.75	78.285	36.89	15.86
✓ WhOgWhGn Pair 2-3	43.13	79.483	36.8	6.33
✓ WhOgWhBn Pair 2-4	71.66	6.574	53.03	18.63
✓ WhGnWhBn Pair 3-4	74.15	1.499	62.66	11.49



PsNext Test Report

Item	Min [dB@100m]	Freq[MHz]	Std [dB@100m]	Margin [dB@100m]
WhBu Pair 1	52.8	55.944	36.08	16.72
WhOg Pair 2	43.11	79.483	33.8	9.31
WhGn Pair 3	42.87	79.483	33.8	9.07
WhBn Pair 4	53.97	29.795	40.19	13.78



IL[dB/100m]

No.	Freq [MHz]	Std (Up Limit)	WhBu	WhOg	WhGn	WhBn
			Pair 1	Pair 2	Pair 3	Pair 4
1	1	2.04	1.65	1.74	1.69	1.75
2	4	4.05	3.27	3.45	3.37	3.48
3	8	5.77	4.63	4.89	4.76	4.92
4	10	6.47	5.18	5.46	5.33	5.50
5	16	8.25	6.56	6.92	6.75	6.96
6	20	9.27	7.34	7.74	7.55	7.79
7	25	10.42	8.21	8.66	8.45	8.71
8	31.25	11.72	9.18	9.68	9.44	9.74
9	50	15.07	11.65	12.29	12.00	12.33
10	62.5	16.99	13.07	13.75	13.41	13.83
11	100	21.98	16.44	17.42	16.97	17.46
12	125	\	18.51	19.50	18.94	19.40
13	200	\	22.30	24.75	23.90	25.08
14	250	\	25.92	27.91	26.60	27.60
15	300	\	28.15	30.51	28.90	30.04
16	350	\	30.45	33.23	31.28	32.57

Zin[Ohm]

No.	Freq [MHz]	Std		WhBu	WhOg	WhGn	WhBn
		(Up Limit)	(Down Limit)	Pair 1	Pair 2	Pair 3	Pair 4
1	1	115	85	109.50	106.82	107.35	106.77
2	4	115	85	104.94	102.81	103.93	103.06
3	8	115	85	101.60	101.58	103.21	102.04
4	10	115	85	103.26	101.66	101.60	102.14
5	16	115	85	99.21	99.92	99.06	101.22
6	20	115	85	99.07	99.85	99.56	100.58
7	25	115	85	98.87	100.06	99.26	100.66
8	31.25	115	85	99.86	100.97	100.01	101.13
9	50	115	85	108.98	99.49	96.69	101.57
10	62.5	115	85	99.66	100.69	100.31	101.86
11	100	115	85	96.32	100.17	99.61	102.71
12	125	\	\	103.49	99.84	96.57	102.70
13	200	\	\	108.87	104.27	104.20	101.60
14	250	\	\	106.71	100.34	102.53	105.98
15	300	\	\	105.49	105.82	110.49	104.11
16	350	\	\	113.67	101.50	107.89	107.35

Zo[Ohm]

No.	Freq [MHz]	Std		WhBu	WhOg	WhGn	WhBn
		(Up Limit)	(Down Limit)	Pair 1	Pair 2	Pair 3	Pair 4
1	1	113	95	106.83	105.56	106.39	105.44
2	4	109	95	104.34	102.83	103.26	103.26
3	8	107.83	95	103.61	102.02	102.34	102.61
4	10	107.53	95	103.41	101.81	102.10	102.44
5	16	107	95	103.09	101.45	101.69	102.15
6	20	106.79	95	102.95	101.30	101.52	102.03
7	25	106.6	95	102.83	101.17	101.37	101.93

Zo[Ohm] (Continuation 1)

No.	Freq [MHz]	Std		WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
		(Up Limit)	(Down Limit)				
8	31.25	106.43	95	102.73	101.06	101.24	101.84
9	50	106.13	95	102.53	100.85	100.99	101.67
10	62.5	106.01	95	102.46	100.77	100.91	101.61
11	100	105.8	95	102.33	100.62	100.74	101.49
12	125	\	\	102.27	100.56	100.67	101.44
13	200	\	\	102.18	100.46	100.55	101.36
14	250	\	\	102.14	100.42	100.50	101.33
15	300	\	\	102.12	100.39	100.47	101.30
16	350	\	\	102.09	100.36	100.44	101.28

R1 [dB]

No.	Freq [MHz]	Std (Down Limit)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	20	27.77	27.02	28.22	26.77
2	4	23.01	29.31	32.02	31.81	32.27
3	8	24.52	36.69	37.05	31.62	36.61
4	10	25	32.99	36.90	35.76	37.05
5	16	25	38.24	43.26	44.15	42.84
6	20	25	43.29	48.41	50.42	51.41
7	25	24.32	37.75	40.87	47.87	45.40
8	31.25	23.64	33.93	43.12	57.14	45.10
9	50	22.21	26.82	45.92	31.47	40.22
10	62.5	21.54	33.59	39.78	32.04	33.67
11	100	20.11	24.60	32.22	32.60	31.60
12	125	\	28.55	31.38	26.40	35.08
13	200	\	21.74	29.97	26.49	31.08
14	250	\	23.52	25.81	33.82	25.90
15	300	\	19.80	27.36	22.01	27.05
16	350	\	19.02	27.08	22.07	22.13

Next [dB@100m]

No.	Freq [MHz]	Std (Down 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	65.3	92.01	100.85	90.05	87.80	94.93	86.06
2	4	56.27	82.42	84.31	77.64	75.73	88.34	81.92
3	8	51.75	78.90	73.59	72.14	80.30	75.81	86.44
4	10	50.3	77.21	72.76	79.89	62.01	83.02	64.68
5	16	47.24	73.97	81.79	79.55	58.76	85.03	70.12
6	20	45.78	73.35	69.59	70.68	57.01	75.30	62.55
7	25	44.33	79.63	67.46	68.56	61.52	68.31	63.73
8	31.25	42.88	66.56	76.29	69.04	59.52	69.15	65.79
9	50	39.82	57.93	59.16	63.84	61.07	67.77	59.99
10	62.5	38.36	65.96	73.64	61.39	60.09	71.28	57.97
11	100	35.3	60.62	77.08	59.09	52.60	78.85	56.33
12	125	\	55.81	67.04	59.88	54.48	60.99	51.81
13	200	\	55.92	47.81	56.67	46.43	64.37	72.49
14	250	\	61.10	50.88	53.83	51.06	58.83	54.16

Next[dB@100m] (Continuation 1)

No.	Freq [MHz]	Std (Down 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
15	300	\	48.03	46.10	55.57	46.47	56.69	62.08
16	350	\	62.05	57.82	47.89	37.08	64.28	47.77

PsNext[dB@100m]

No.	Freq [MHz]	Std (Down Limit)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	62.3	87.70	85.83	83.75	84.22
2	4	53.27	75.73	74.69	74.27	75.90
3	8	48.75	69.29	72.81	71.90	70.28
4	10	47.3	70.84	61.85	59.90	64.49
5	16	44.24	71.86	58.60	58.41	69.17
6	20	42.78	66.02	56.84	55.75	61.67
7	25	41.33	64.70	60.61	58.80	61.47
8	31.25	39.88	64.23	58.32	58.09	61.84
9	50	36.82	54.74	55.90	55.23	57.75
10	62.5	35.36	59.65	57.51	55.00	56.20
11	100	32.3	56.63	51.84	49.75	51.99
12	125	\	53.89	51.25	49.72	50.72
13	200	\	46.71	45.76	43.89	55.29
14	250	\	48.66	50.03	46.87	50.07
15	300	\	43.40	43.78	42.45	51.33
16	350	\	47.32	37.06	36.69	44.77