

# Test Report

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Test Time : 2011/01/04 14:12:20	Temperature: 20C
Exec Std: TIANEIA568B. 2-CAT6	Test Result: Pass
Cable Length: 100m	Manufacturer: HT
Cable Type: UTP CAT6	Cable Drum:

## Test Result List

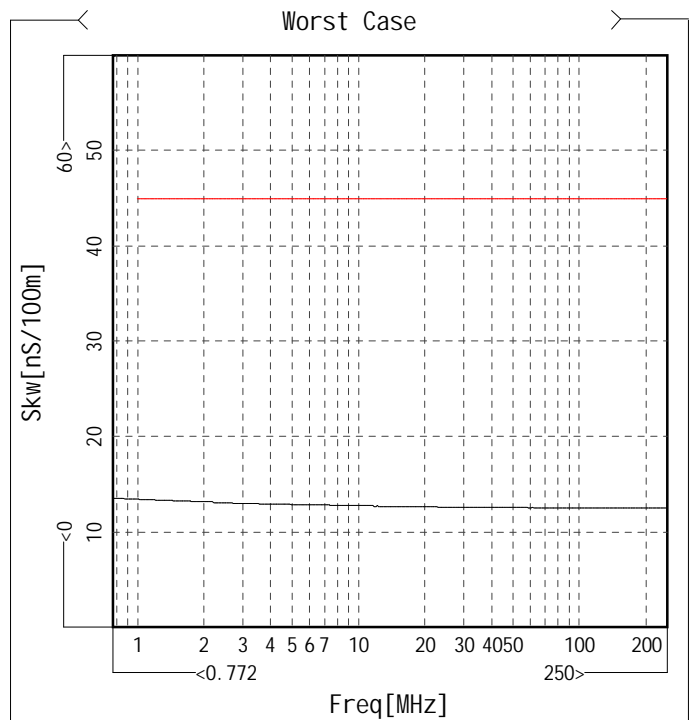
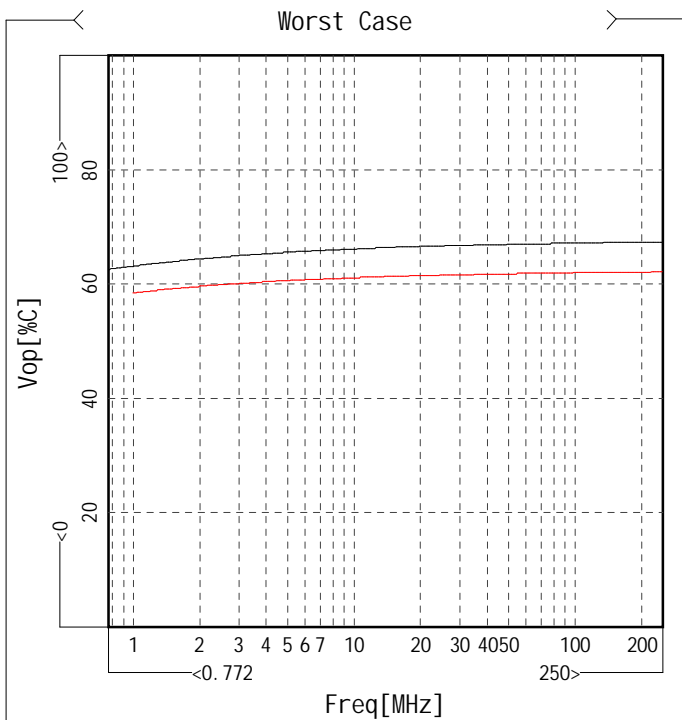
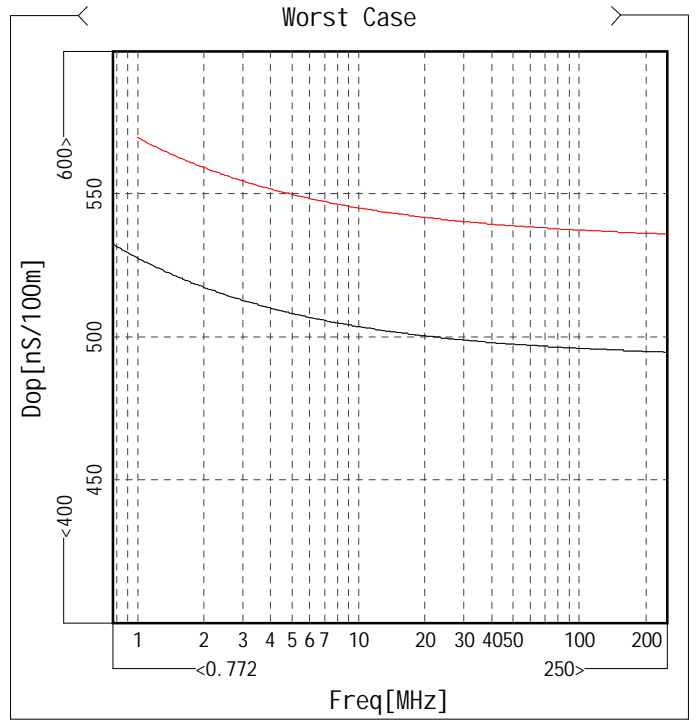
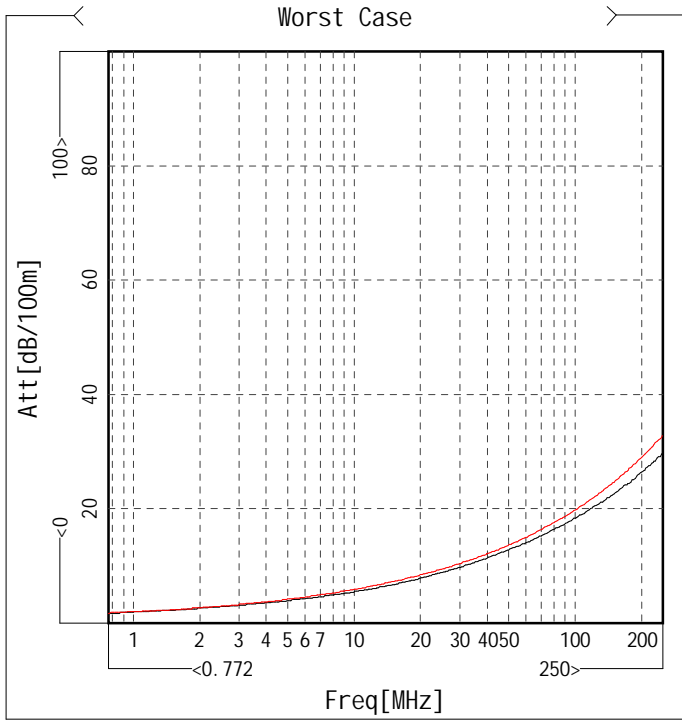
Test Item	Unit	Test Result
Att	dB/100m	Pass
Dop	nS/100m	Pass
Vop	%C	Pass
Skw	nS/100m	Pass
Zin	Ohm	Pass
RI	dB	Pass
Next	dB@100m	Pass
PsNext	dB@100m	Pass

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# Test Report

## Worst Summary Of High Freq Parameter

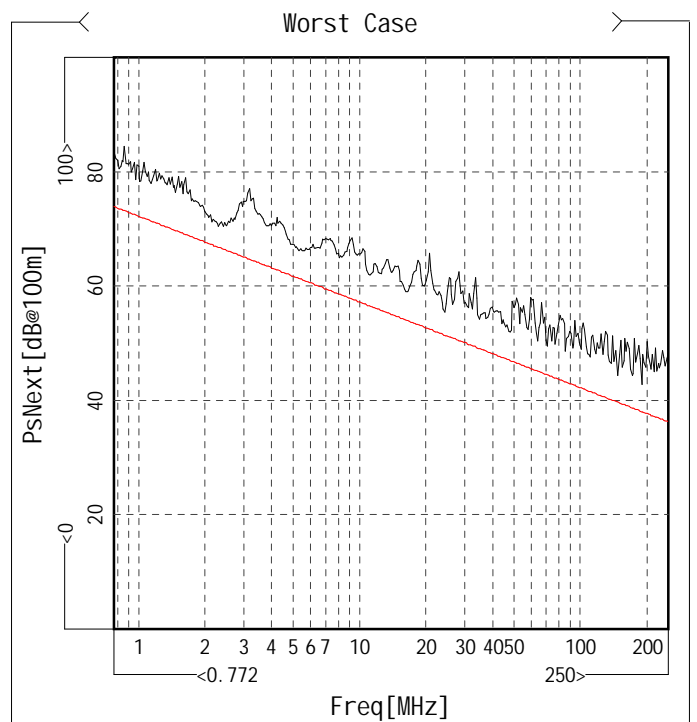
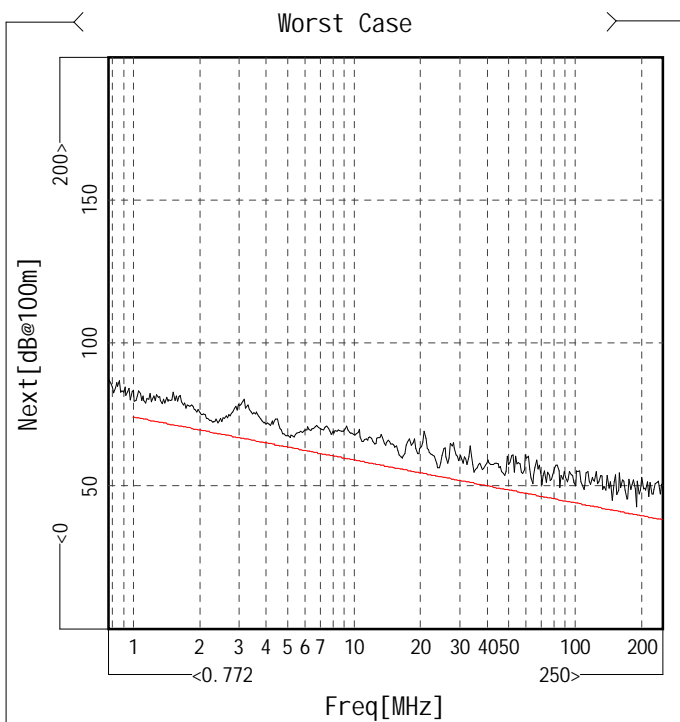
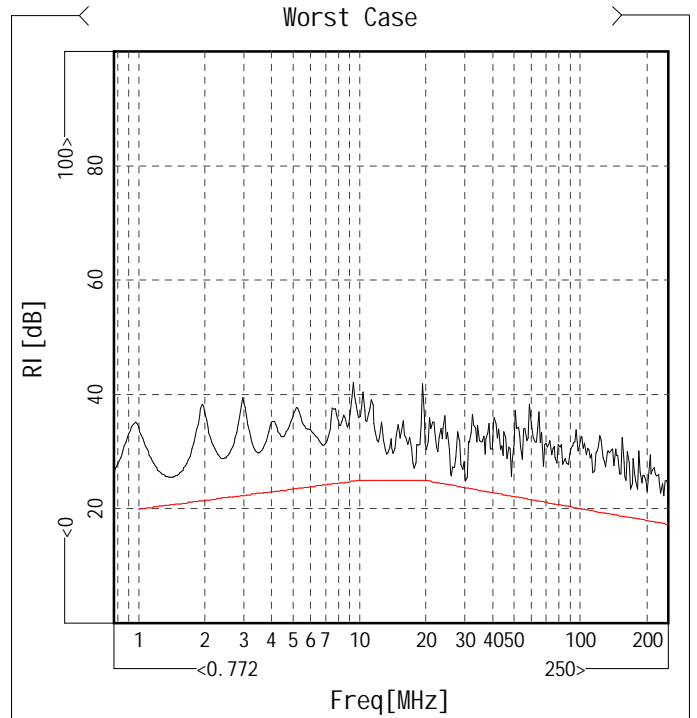
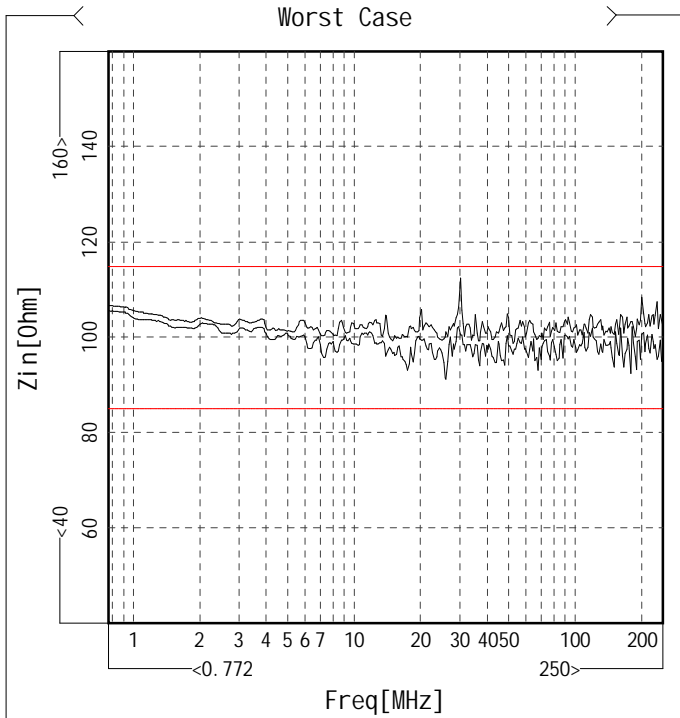
Item	Max	Freq[MHz]	Std	Margin	Min	Freq[MHz]	Std	Margin
a Att[dB/100m]	2.06	1.092	2.1	0.04	/	/	/	/
a Dop[ns/100m]	495.26	192.742	536.59	41.33	/	/	/	/
a Vop[%C]	/	/	/	/	63.19	1.001	58.51	4.68
a Skw[ns/100m]	13.46	1.001	45	31.54	/	/	/	/



# Test Report

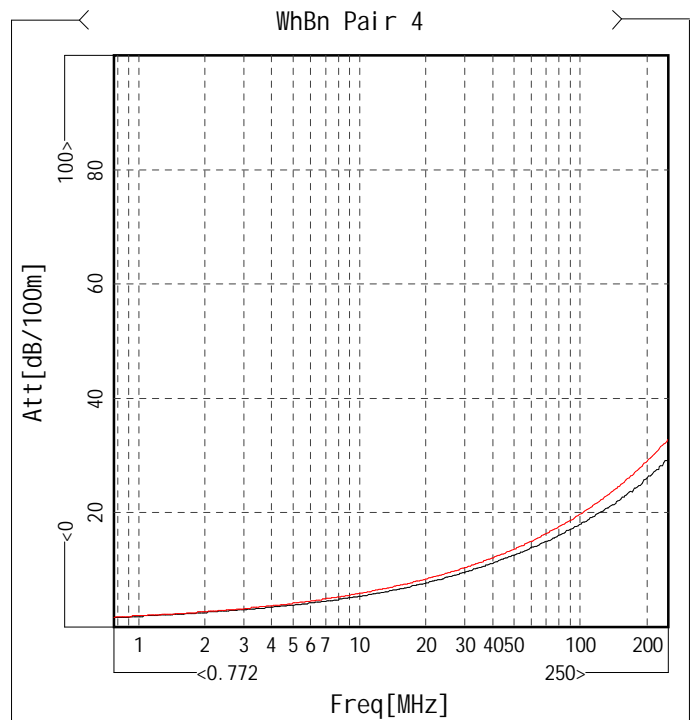
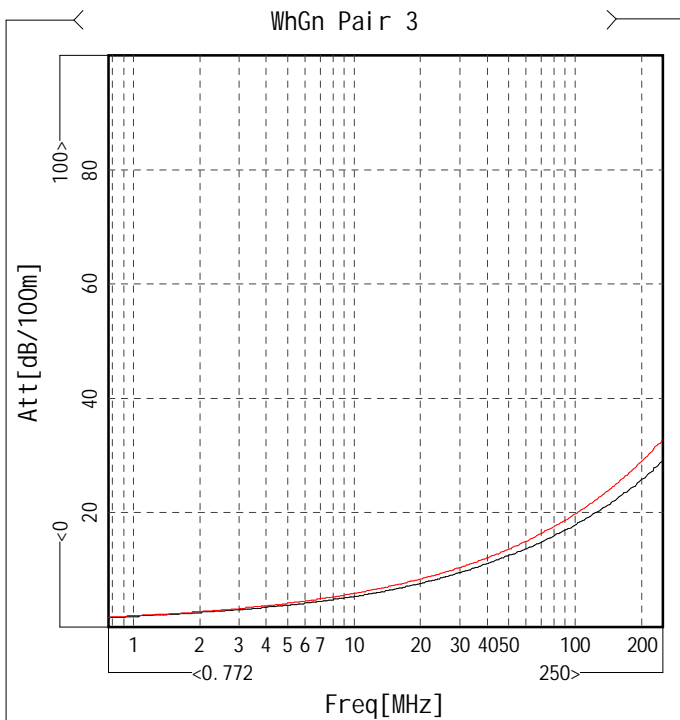
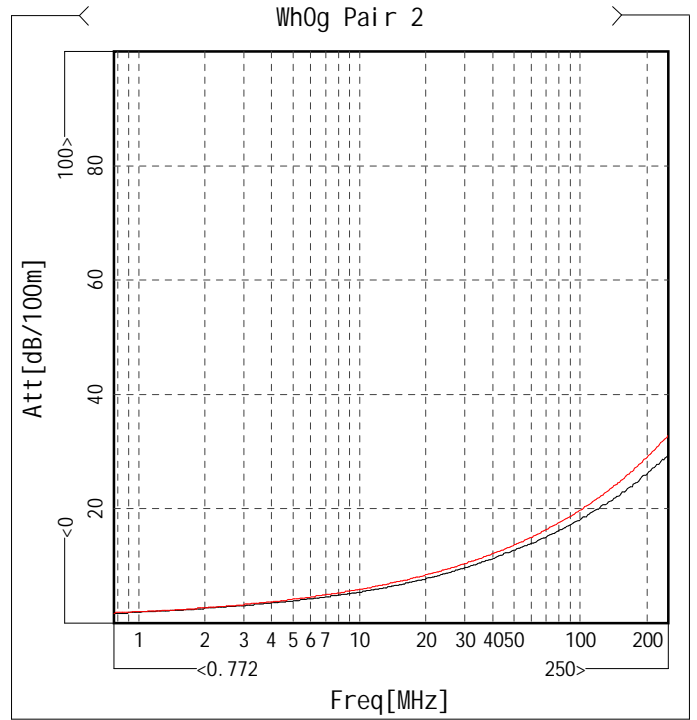
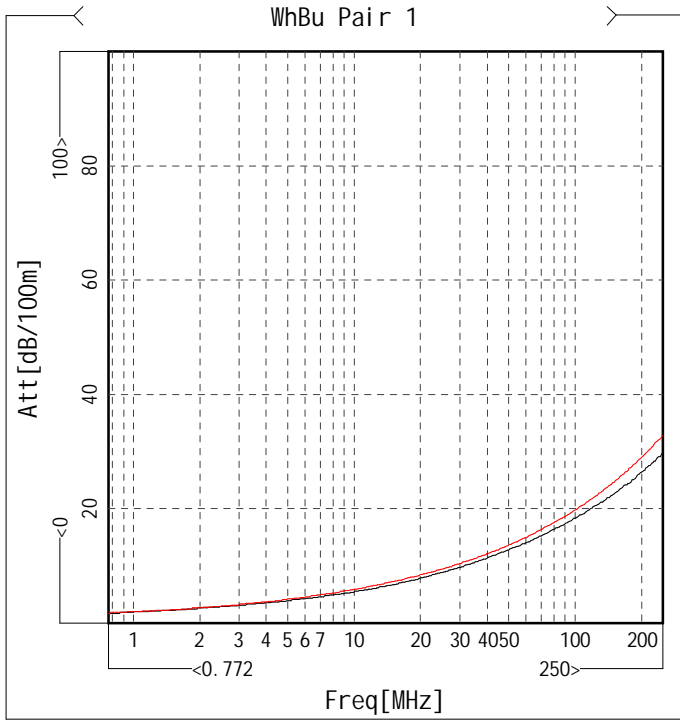
## Worst Summary Of High Freq Parameter(2)

Item	Max	Freq[MHz]	Std	Margin	Min	Freq[MHz]	Std	Margin
Zi n[Ohm]	112.5	30.316	115	2.5	91.21	26.237	85	6.21
RI [dB]	/	/	/	/	24.89	30.316	23.74	1.15
Next [dB@100m]	/	/	/	/	43	189.976	40.12	2.88
PsNext [dB@100m]	/	/	/	/	70.57	2.315	66.83	3.74



## Att Test Report

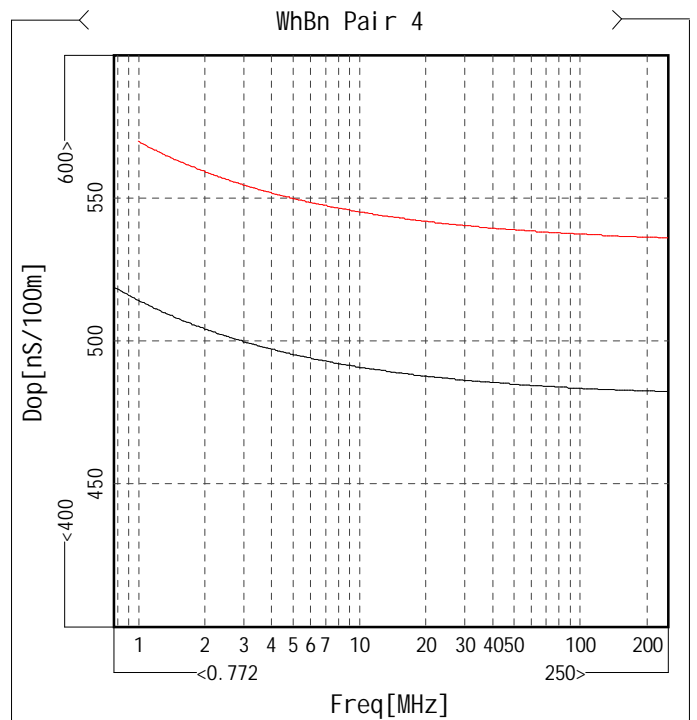
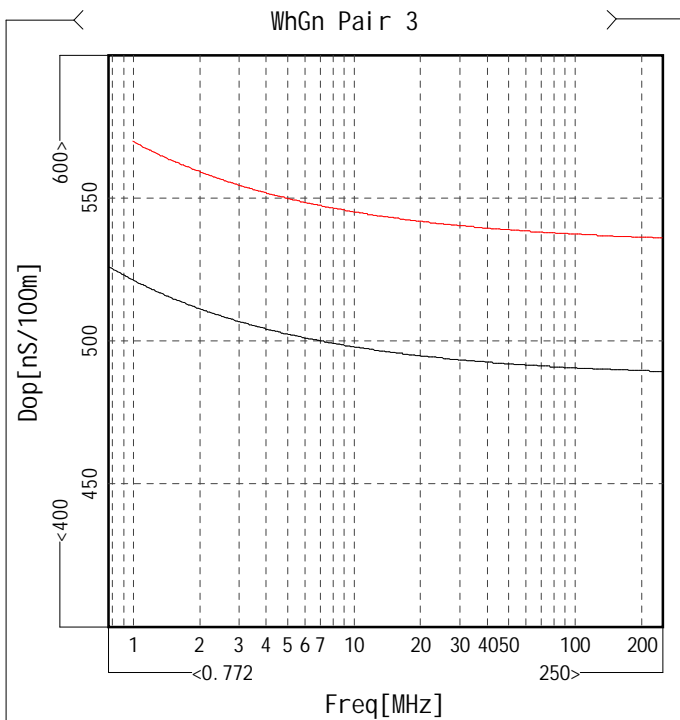
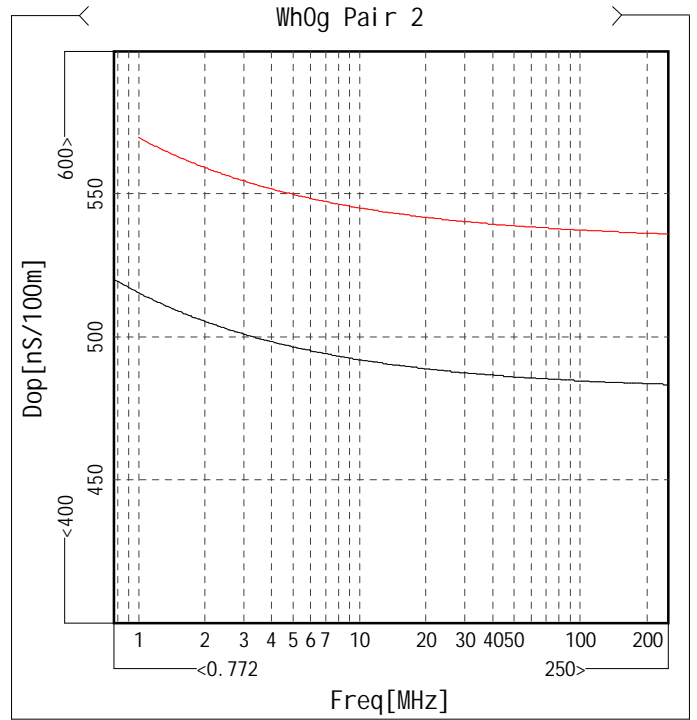
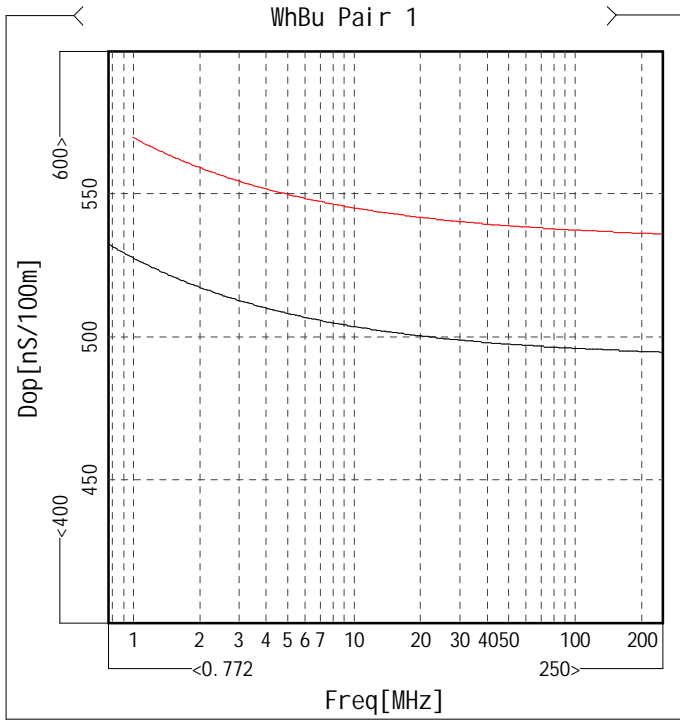
Item	Max [dB/100m]	Freq[MHz]	Std [dB/100m]	Margin [dB/100m]
WhBu Pair 1	2.06	1.092	2.1	0.04
WhOg Pair 2	2.01	1.061	2.07	0.06
WhGn Pair 3	2.02	1.108	2.11	0.09
WhBn Pair 4	1.98	1.061	2.07	0.09



# Test Report

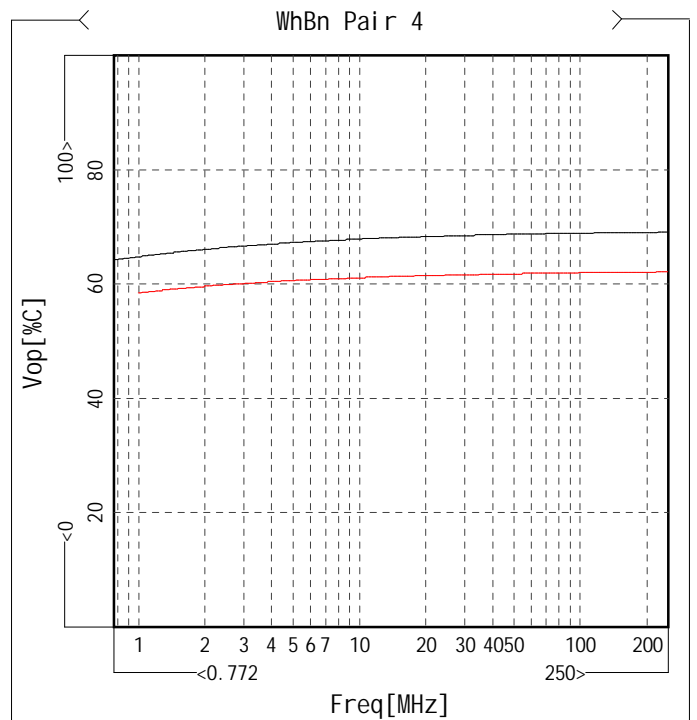
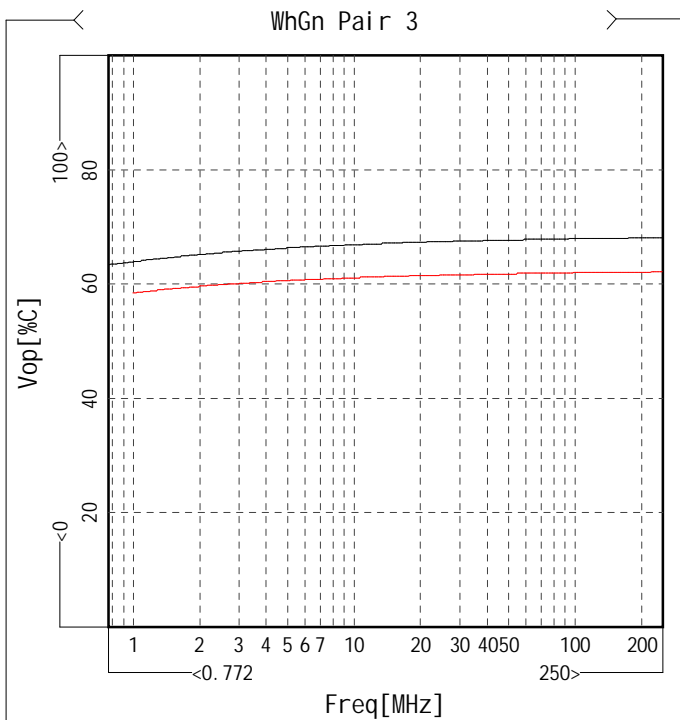
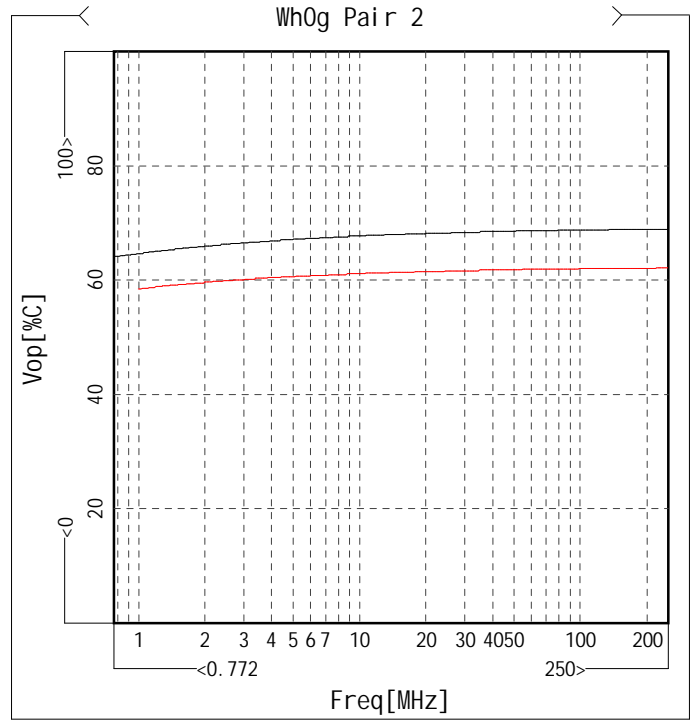
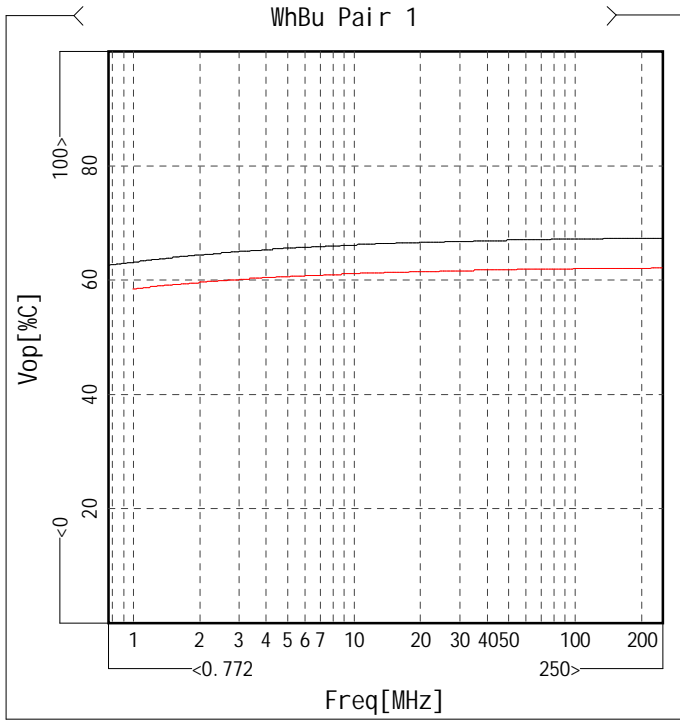
## Dop Test Report

Item	Max [nS/100m]	Freq[MHz]	Std [nS/100m]	Margin [nS/100m]
WhBu Pair 1	495.26	192.742	536.59	41.33
WhOg Pair 2	483.71	225.948	536.39	52.68
WhGn Pair 3	489.69	222.707	536.41	46.72
WhBn Pair 4	482.56	222.707	536.41	53.85



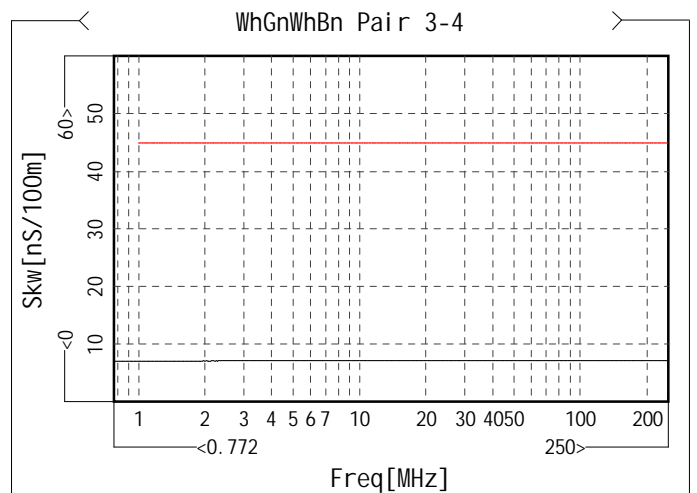
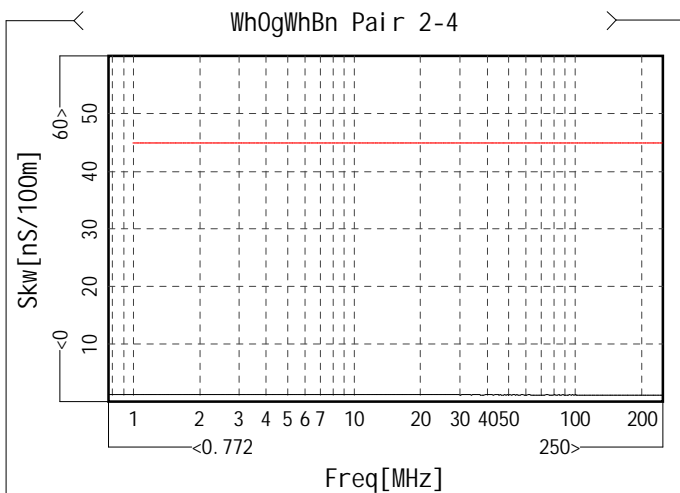
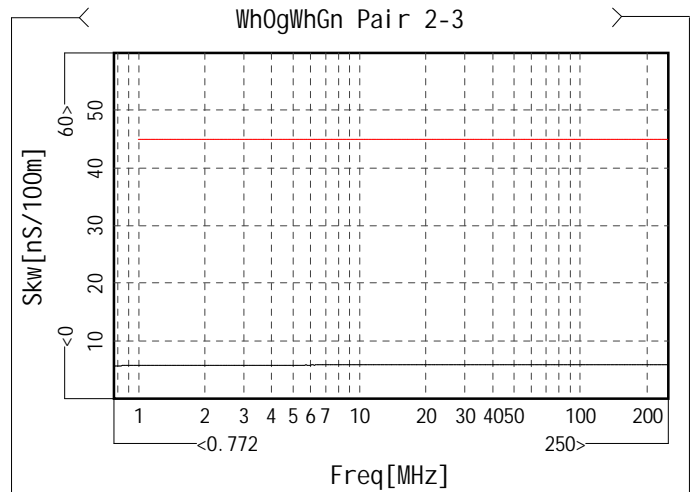
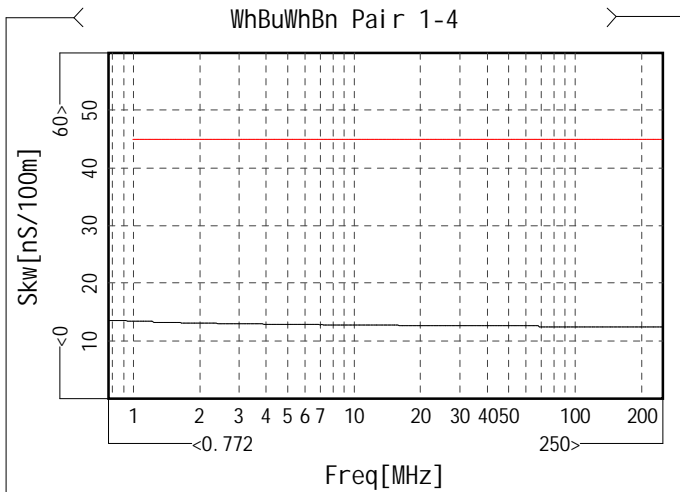
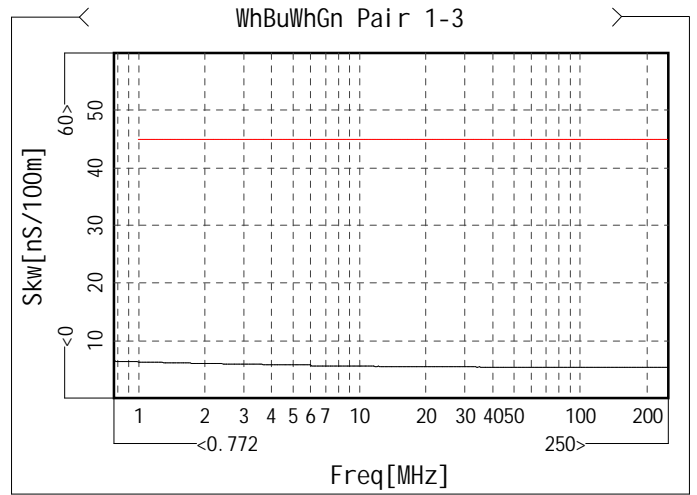
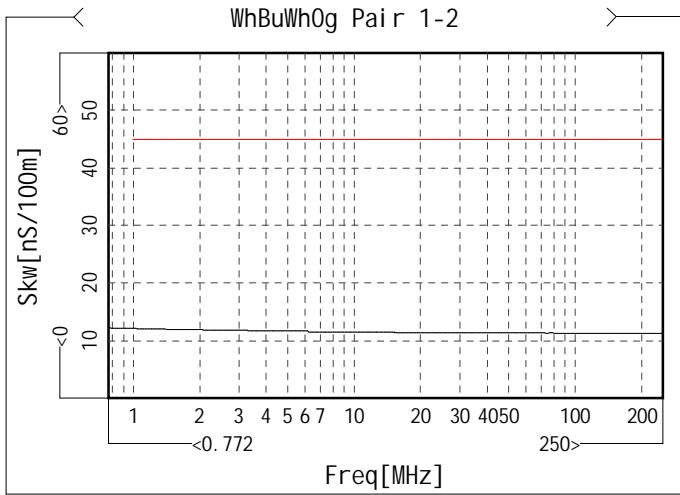
## Vop Test Report

Item	Min [%C]	Freq[MHz]	Std [%C]	Margin [%C]
WhBu Pair 1	63.19	1.001	58.51	4.68
WhOg Pair 2	64.68	1.001	58.51	6.17
WhGn Pair 3	63.96	1.001	58.51	5.45
WhBn Pair 4	64.84	1.001	58.51	6.33



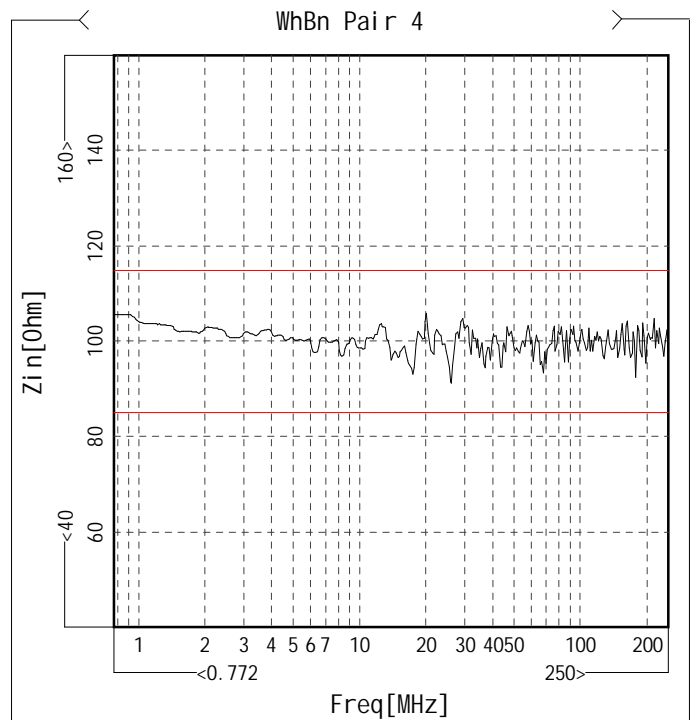
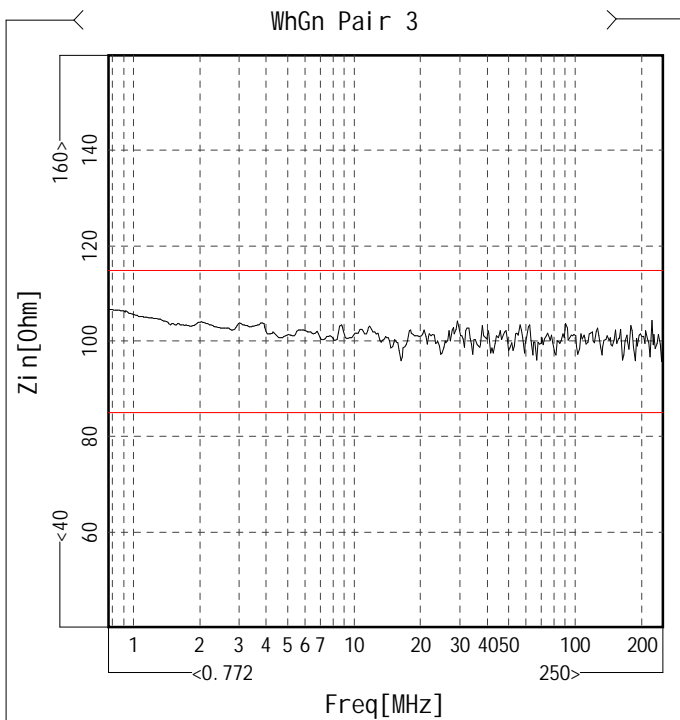
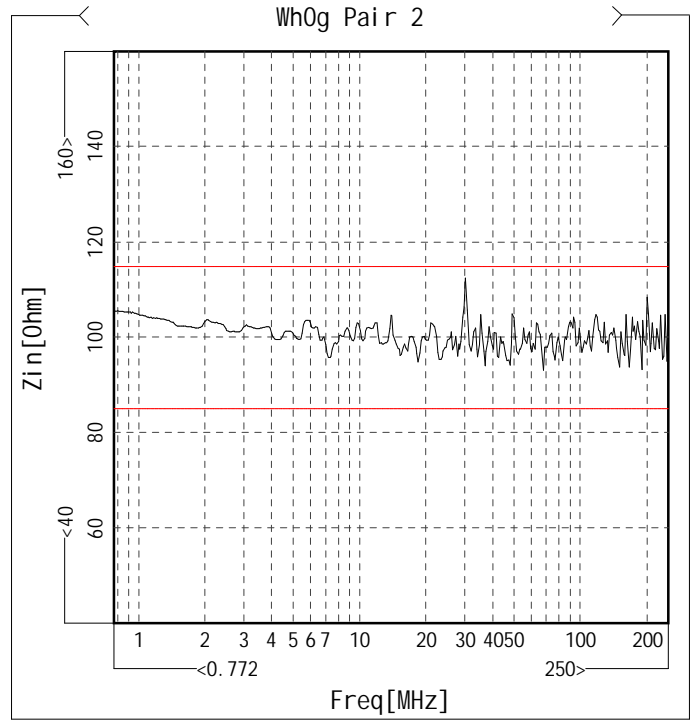
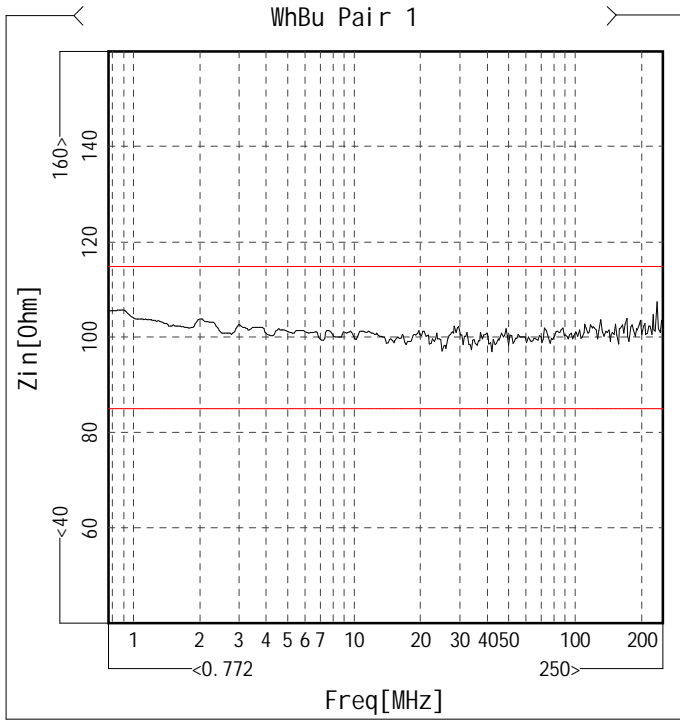
## Skw Test Report

Item	Max [nS/100m]	Freq[MHz]	Std [nS/100m]	Margin [nS/100m]
WhBuWhOg Pair 1-2	12.2	1.001	45	32.8
WhBuWhGn Pair 1-3	6.41	1.001	45	38.59
WhBuWhBn Pair 1-4	13.46	1.001	45	31.54
WhOgWhGn Pair 2-3	5.97	174.199	45	39.03
WhOgWhBn Pair 2-4	1.27	1.016	45	43.73
WhGnWhBn Pair 3-4	7.13	32.588	45	37.87



## Zin Test Report

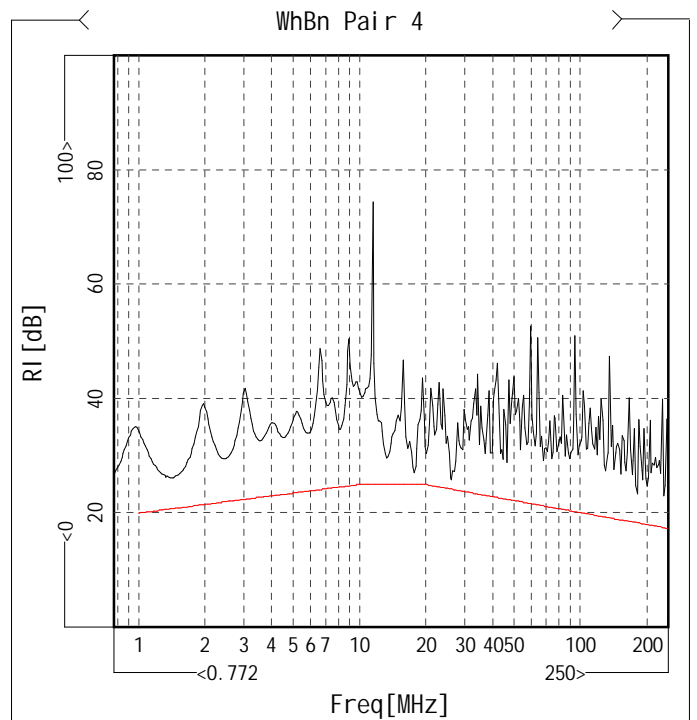
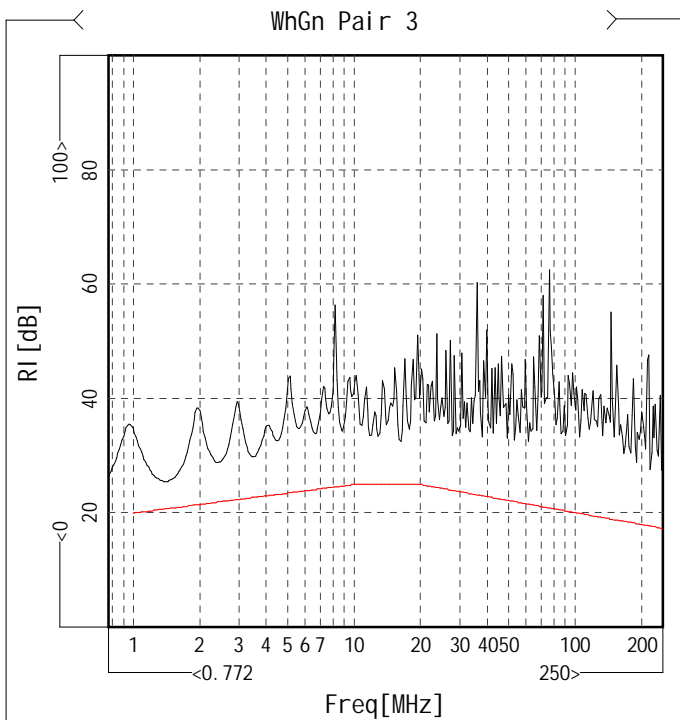
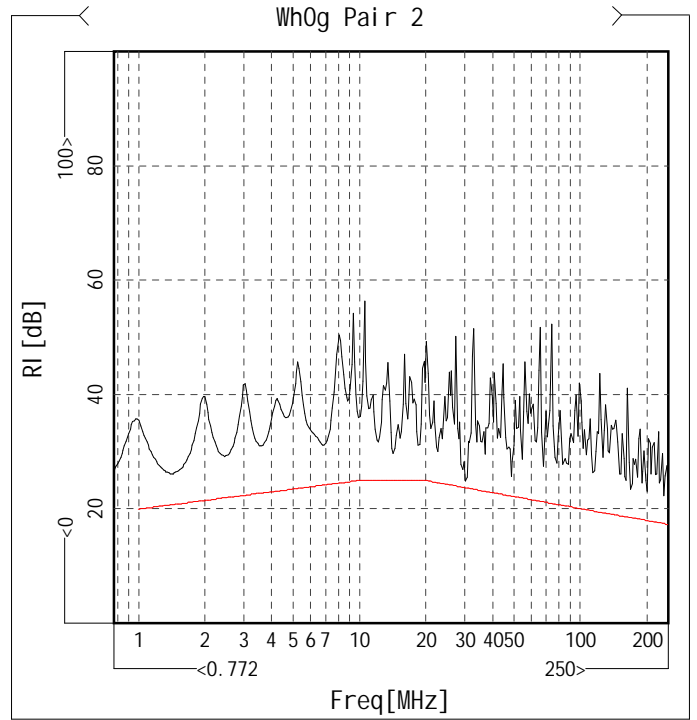
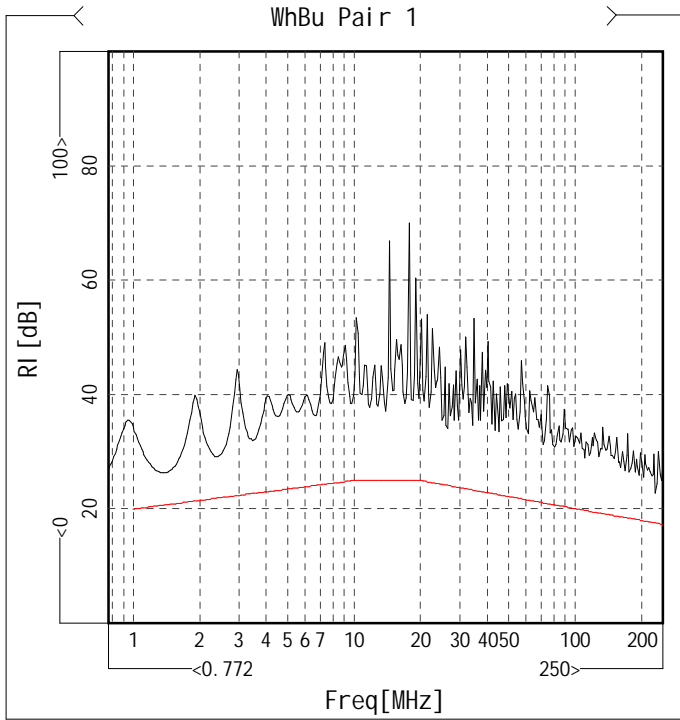
Item	Max [Ohm]	Freq[MHz]	Std [Ohm]	Margin [Ohm]	Min [Ohm]	Freq[MHz]	Std [Ohm]	Margin [Ohm]
a WhBu Pair 1	107.45	235.959	115	7.55	97.13	42.268	85	12.13
a Wh0g Pair 2	112.5	30.316	115	2.5	93.18	68.095	85	8.18
a WhGn Pair 3	106.74	0.772	115	8.26	95.77	246.413	85	10.77
a WhBn Pair 4	105.98	20.228	115	9.02	91.21	26.237	85	6.21





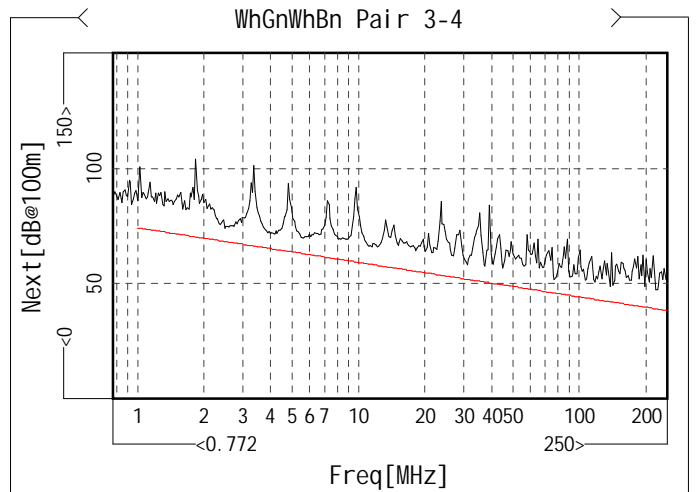
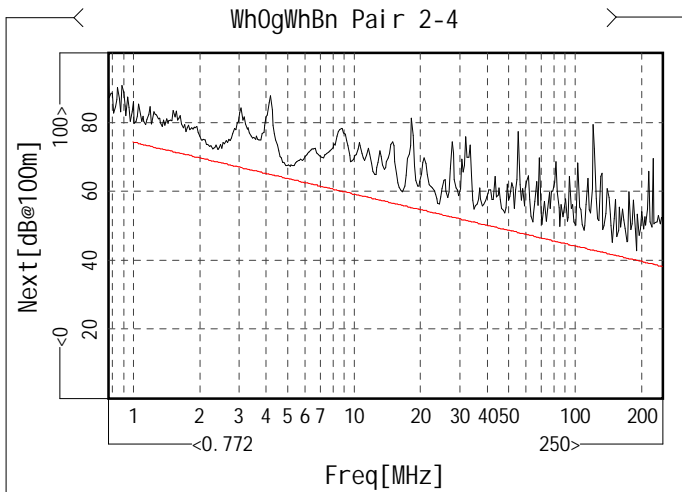
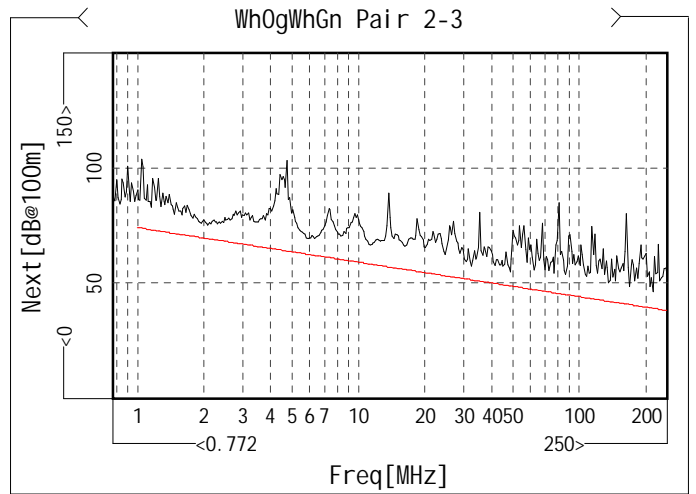
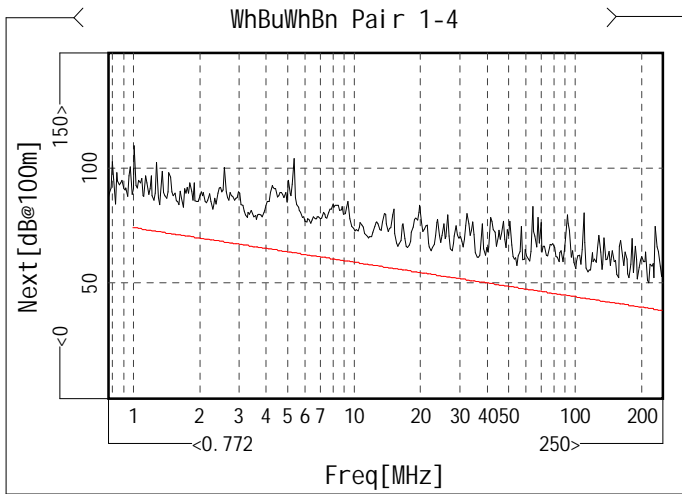
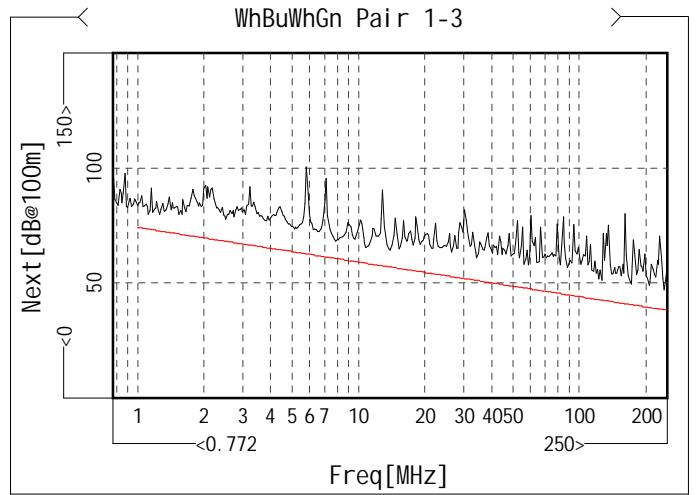
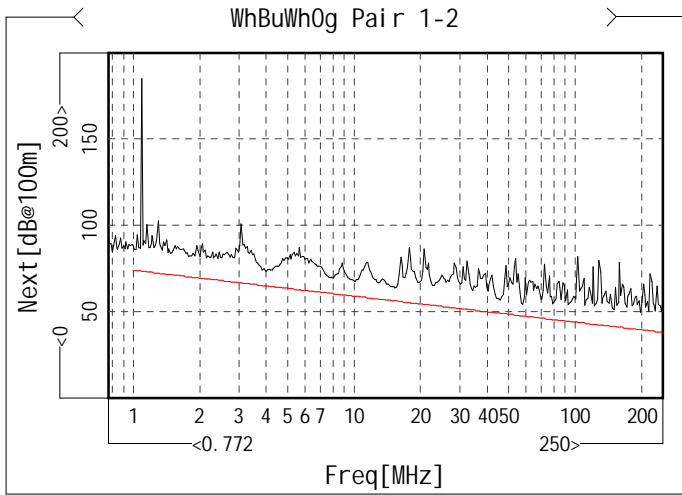
## RI Test Report

Item	Min [dB]	Freq[MHz]	Std [dB]	Margin [dB]
a WhBu Pair 1	22.75	232.574	17.54	5.21
a Wh0g Pair 2	24.89	30.316	23.74	1.15
a WhGn Pair 3	25.48	1.437	20.79	4.69
a WhBn Pair 4	25.77	26.237	24.17	1.6



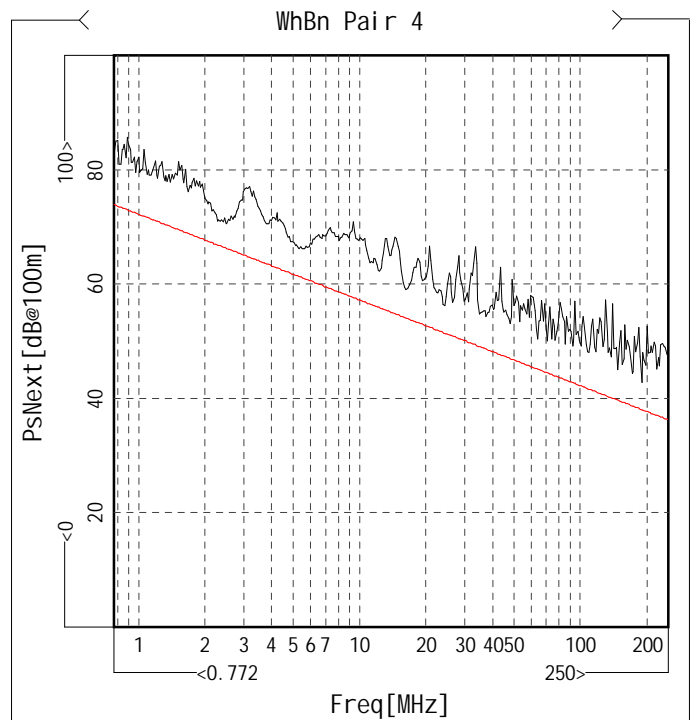
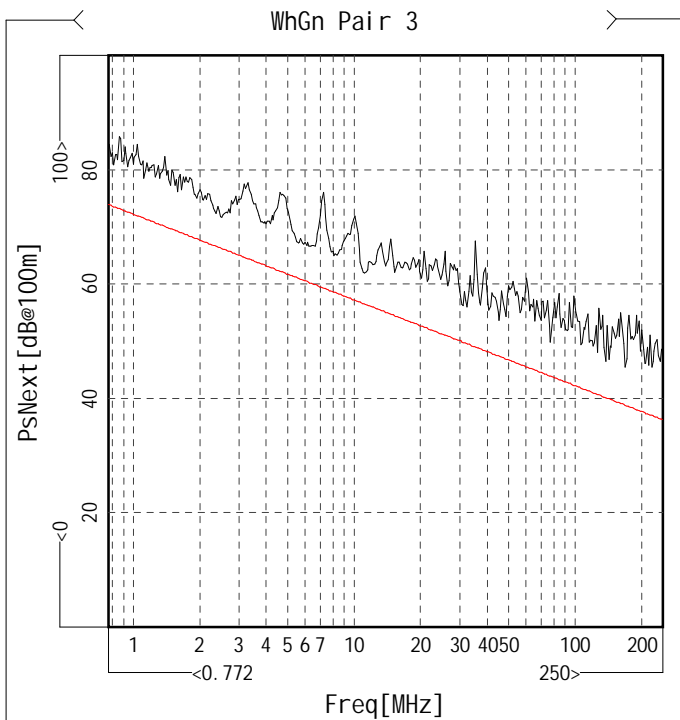
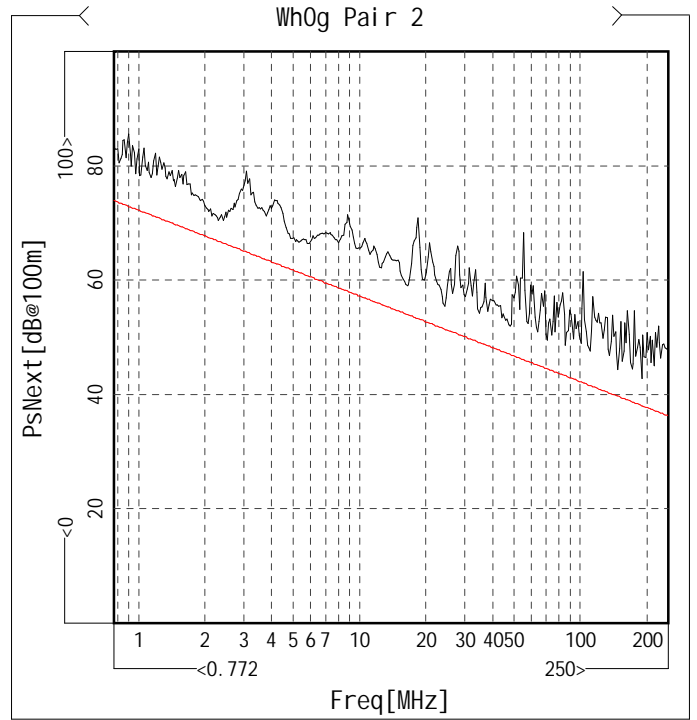
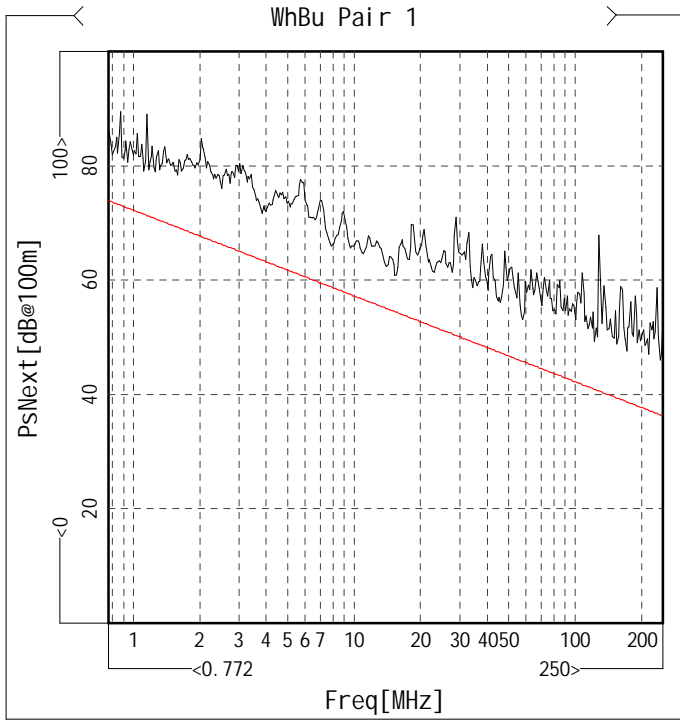
## Next Test Report

Item	Min [dB@100m]	Freq[MHz]	Std [dB@100m]	Margin [dB@100m]
WhBuWhOg Pair 1-2	54.5	58.088	47.84	6.66
WhBuWhGn Pair 1-3	80.04	1.124	73.54	6.5
WhBuWhBn Pair 1-4	57.91	54.825	48.22	9.69
WhOgWhGn Pair 2-3	57.57	32.588	51.6	5.97
WhOgWhBn Pair 2-4	43	189.976	40.12	2.88
WhGnWhBn Pair 3-4	74.16	2.489	68.36	5.8



## PsNext Test Report

Item	Min [dB@100m]	Freq[MHz]	Std [dB@100m]	Margin [dB@100m]
WhBu Pair 1	60.92	15.371	54.5	6.42
WhOg Pair 2	70.57	2.315	66.83	3.74
WhGn Pair 3	61.89	11.185	56.57	5.32
WhBn Pair 4	71.03	2.282	66.93	4.1



# Test Report

## Att[dB/100m]

No.	Freq [MHz]	Std (Up Limit)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	0.772	1.83	1.75	1.72	1.70	1.70
2	1	2.03	1.96	1.95	1.92	1.92
3	4	3.78	3.61	3.57	3.52	3.54
4	8	5.32	4.96	4.91	4.84	4.87
5	10	5.95	5.52	5.47	5.41	5.43
6	16	7.55	7.01	6.94	6.85	6.90
7	20	8.47	7.89	7.80	7.71	7.79
8	25	9.51	8.90	8.81	8.66	8.75
9	31.25	10.67	10.03	9.92	9.78	9.86
10	50	13.66	12.87	12.77	12.55	12.62
11	62.5	15.38	14.38	14.19	14.00	14.15
12	100	19.8	18.41	18.20	17.91	18.08
13	125	22.36	20.68	20.58	20.13	20.30
14	200	28.98	26.35	26.10	25.83	26.04
15	250	32.85	29.92	29.62	29.09	29.39

## Dop[nS/100m]

No.	Freq [MHz]	Std (Up Limit)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	0.772	574.97	532.78	520.45	526.21	519.18
2	1	570	527.91	515.71	521.50	514.45
3	4	552	510.32	498.57	504.45	497.36
4	8	546.73	505.17	493.55	499.46	492.36
5	10	545.38	503.85	492.27	498.18	491.08
6	16	543	501.52	490.00	495.92	488.81
7	20	542.05	500.59	489.10	495.03	487.91
8	25	541.2	499.76	488.29	494.22	487.11
9	31.25	540.44	499.02	487.57	493.51	486.39
10	50	539.09	497.70	486.28	492.23	485.10
11	62.5	538.55	497.17	485.77	491.72	484.59
12	100	537.6	496.24	484.86	490.81	483.68
13	125	537.22	495.87	484.49	490.45	483.32
14	200	536.55	495.21	483.85	489.81	482.68
15	250	536.28	494.95	483.60	489.56	482.43

## Vop[%C]

No.	Freq [MHz]	Std (Down Limit)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	0.772	57.97	62.61	64.09	63.39	64.25
2	1	58.51	63.19	64.68	63.96	64.84
3	4	60.45	65.37	66.91	66.13	67.07
4	8	61.02	66.03	67.59	66.79	67.75
5	10	61.17	66.20	67.76	66.95	67.92
6	16	61.43	66.51	68.07	67.26	68.24
7	20	61.53	66.63	68.20	67.38	68.36
8	25	61.62	66.75	68.31	67.49	68.48
9	31.25	61.7	66.84	68.41	67.59	68.58

# Test Report

## Vop[%C](Continuation 1 )

No.	Freq [MHz]	Std (Down Limit)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
10	50	61.85	67.02	68.60	67.77	68.76
11	62.5	61.91	67.09	68.67	67.84	68.83
12	100	62.01	67.22	68.80	67.96	68.96
13	125	62.05	67.27	68.85	68.01	69.01
14	200	62.12	67.36	68.94	68.10	69.11
15	250	62.15	67.39	68.97	68.13	69.14

## 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	0.772	45	12.32	6.57	13.60	5.76	1.28	7.03
2	1	45	12.20	6.41	13.46	5.79	1.26	7.05
3	4	45	11.75	5.87	12.96	5.88	1.21	7.09
4	8	45	11.62	5.71	12.81	5.91	1.19	7.10
5	10	45	11.58	5.67	12.77	5.91	1.19	7.10
6	16	45	11.51	5.59	12.70	5.92	1.19	7.11
7	20	45	11.49	5.56	12.68	5.93	1.19	7.12
8	25	45	11.47	5.54	12.65	5.93	1.18	7.11
9	31.25	45	11.45	5.51	12.63	5.94	1.18	7.12
10	50	45	11.42	5.47	12.59	5.95	1.17	7.12
11	62.5	45	11.40	5.45	12.58	5.95	1.18	7.13
12	100	45	11.38	5.43	12.56	5.95	1.18	7.13
13	125	45	11.38	5.42	12.55	5.96	1.17	7.13
14	200	45	11.36	5.39	12.52	5.97	1.16	7.13
15	250	45	11.35	5.39	12.52	5.96	1.17	7.13

## Zi n[Ohm]

No.	Freq [MHz]	Std		WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
		(Up Limit)	(Down Limit)				
1	0.772	115	85	105.60	105.59	106.74	105.76
2	1	115	85	104.16	104.78	105.67	104.25
3	4	115	85	100.91	101.23	102.20	102.01
4	8	115	85	100.56	99.04	100.75	99.98
5	10	115	85	100.07	102.60	101.41	98.68
6	16	115	85	99.93	98.55	98.49	99.07
7	20	115	85	100.67	99.67	101.11	104.56
8	25	115	85	98.05	98.91	97.50	97.16
9	31.25	115	85	98.72	100.72	100.38	102.59
10	50	115	85	99.17	104.44	99.09	99.58
11	62.5	115	85	99.57	97.98	103.35	99.87
12	100	115	85	100.88	99.57	101.36	101.21
13	125	115	85	101.60	99.31	102.18	100.39
14	200	115	85	101.99	103.99	101.34	98.43
15	250	115	85	102.53	98.98	101.75	96.58

# Test Report

## RI [dB]

No.	Freq [MHz]	Std (Down Limit)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	0.772	19.44	26.88	26.60	26.33	26.53
2	1	20	34.42	35.62	34.77	34.45
3	4	23.01	39.21	35.50	35.01	35.73
4	8	24.52	39.00	49.07	40.84	35.50
5	10	25	40.78	36.05	41.51	41.66
6	16	25	46.39	45.06	33.43	40.93
7	20	25	45.12	43.72	41.23	31.34
8	25	24.32	38.13	35.74	39.69	33.03
9	31.25	23.64	39.44	31.86	36.89	34.95
10	50	22.21	40.77	30.12	37.88	42.50
11	62.5	21.54	40.56	31.94	35.69	31.85
12	100	20.11	31.99	40.21	39.26	32.29
13	125	19.43	32.06	35.45	35.99	39.74
14	200	18	29.00	23.95	36.25	25.34
15	250	17.32	27.66	21.94	29.99	26.55

## 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	0.772	75.99	94.56	85.89	87.58	90.41	91.25	91.04
2	1	74.3	88.25	83.88	90.89	90.23	85.78	86.25
3	4	65.27	73.86	78.30	83.66	82.57	81.12	71.96
4	8	60.75	69.75	68.99	84.24	72.55	72.78	70.61
5	10	59.3	68.19	73.36	73.53	78.90	69.56	81.63
6	16	56.24	70.69	75.54	67.12	66.90	61.49	67.95
7	20	54.78	67.52	70.47	82.43	66.04	63.53	65.42
8	25	53.33	71.11	65.97	69.95	64.35	60.02	70.52
9	31.25	51.88	75.64	72.39	66.22	61.30	65.90	58.43
10	50	48.82	65.98	62.53	71.81	68.53	59.23	64.98
11	62.5	47.36	68.26	66.63	60.03	56.14	57.45	67.39
12	100	44.3	58.42	62.14	57.58	59.58	50.73	63.39
13	125	42.85	55.28	55.63	59.30	60.47	57.69	57.68
14	200	39.78	52.32	57.36	61.05	62.60	52.01	55.21
15	250	38.33	56.07	58.21	60.75	52.68	52.21	51.16

## PsNext [dB@100m]

No.	Freq [MHz]	Std (Down Limit)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	0.772	73.99	83.30	86.97	83.69	84.84
2	1	72.3	81.91	82.91	81.25	82.23
3	4	63.27	72.18	72.63	70.75	71.19
4	8	58.75	66.25	66.68	65.69	68.43
5	10	57.3	66.12	65.58	71.60	67.88
6	16	54.24	64.97	59.89	63.91	59.71
7	20	52.78	65.60	60.58	62.01	61.23
8	25	51.33	63.60	58.41	61.40	59.21
9	31.25	49.88	64.74	59.82	56.49	57.14

# Test Report

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## PsNext[dB@100m] (Continuation 1 )

No.	Freq [MHz]	Std (Down Limit)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
10	50	46.82	60.54	57.11	59.02	58.01
11	62.5	45.36	58.64	53.50	55.43	55.16
12	100	42.3	54.14	49.56	56.30	49.69
13	125	40.85	51.57	52.50	52.73	53.33
14	200	37.78	49.89	48.94	50.42	49.64
15	250	36.33	53.17	48.58	48.37	48.38

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