Record File: E:\7FO-011905\CTS251011-21-P.cts

Test Information

Test Time : 2025/10/11 21:00:25	Temperature:27C
Standard:IEC 61156-5 CAT7	Test Result:Pass
Cable Length:100m	Cable Type:
Tester:	Cable ID:.

Test Result List

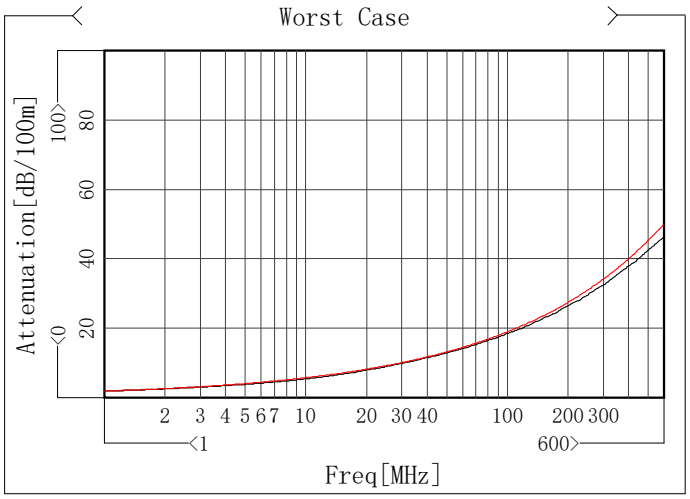
Test Item	Unit	Test Result
Attenuation	dB/100m	Pass
Delay	ns/100m	Pass
Delay Skew	ns/100m	Pass
Input Impedance	Ohm	Pass
Characteristic Impedance	Ohm	Pass
Return Loss	dB	Pass
NEXT	dB@100m	Pass
PS NEXT	dB@100m	Pass
EL FEXT	dB@100m	Pass
PS EL FEXT	dB@100m	Pass

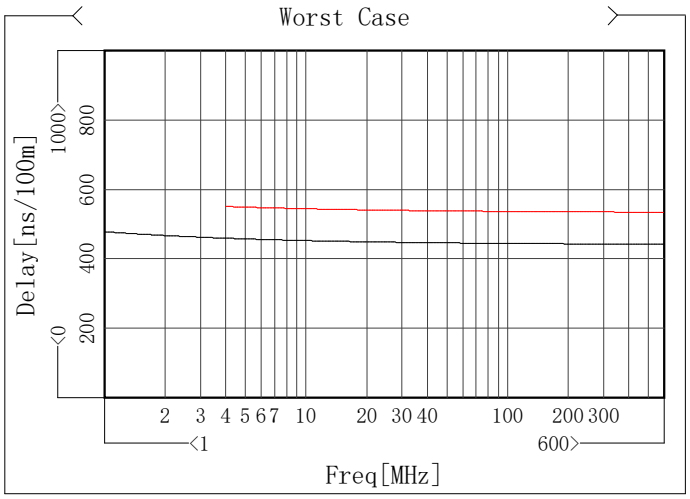
Inspector:
Date :

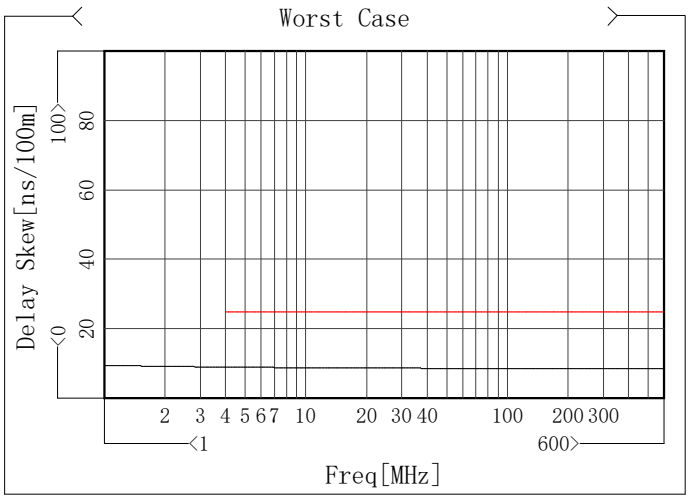
Assessor :
Date :

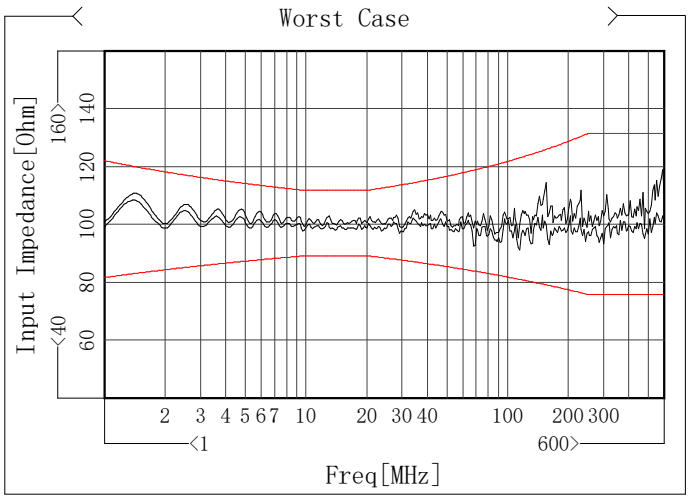
Worst Summary Of High Freq Parameter

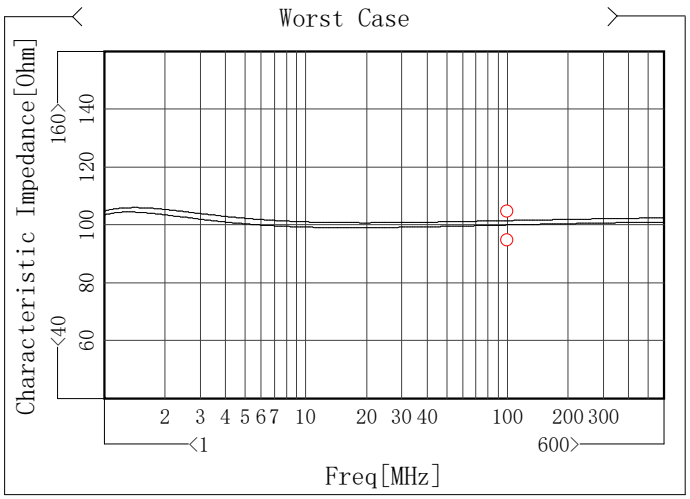
Item	Max	Freq[MHz]	Spec	Margin	Min	Freq[MHz]	Spec	Margin
✔ Attenuation[dB/100m]	2.21	1.32	2.25	0.04	/	/	/	/
✔ Delay[ns/100m]	460.18	4.20	551.57	91.39	/	/	/	/
✔ Delay Skew[ns/100m]	9.05	4.20	25.00	15.95	/	/	/	/
✔ Input Impedance[Ohm]	103.23	13.16	111.92	8.69	92.77	68.62	84.06	8.71
✔ Characteristic Impedance[(	101.65	100.00	105.00	3.35	100.13	100.00	95.00	5.13
✔ Return Loss[dB]	/	/	/	/	24.09	1.58	21.00	3.09

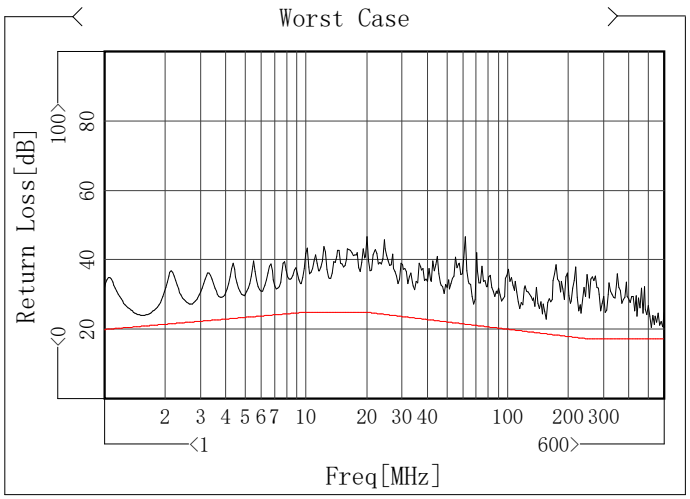






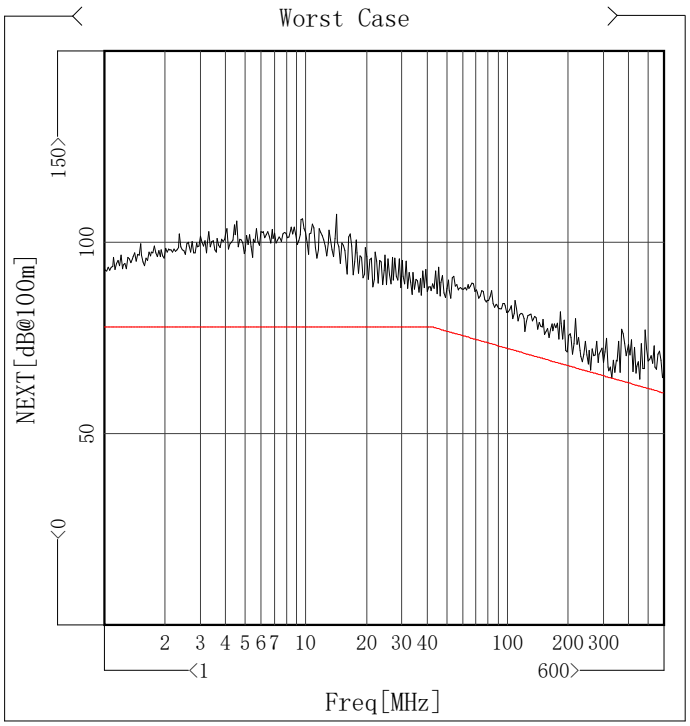


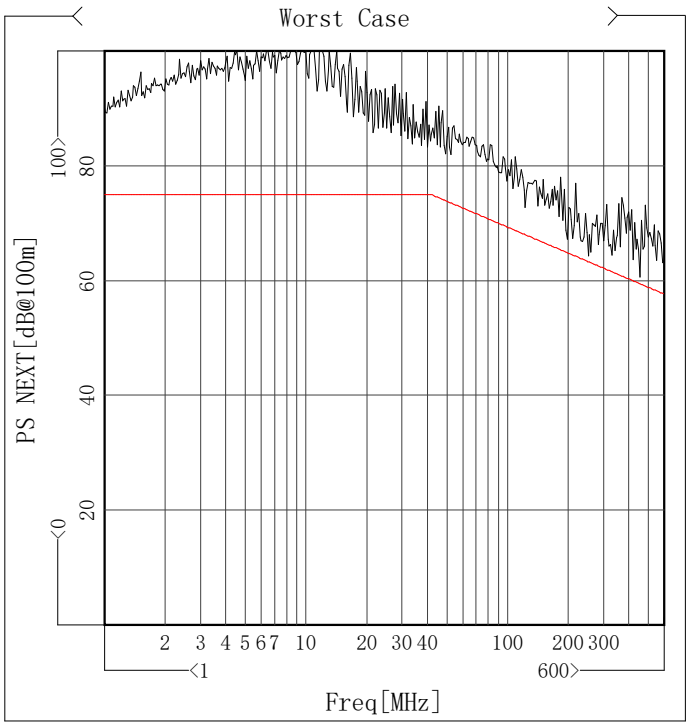


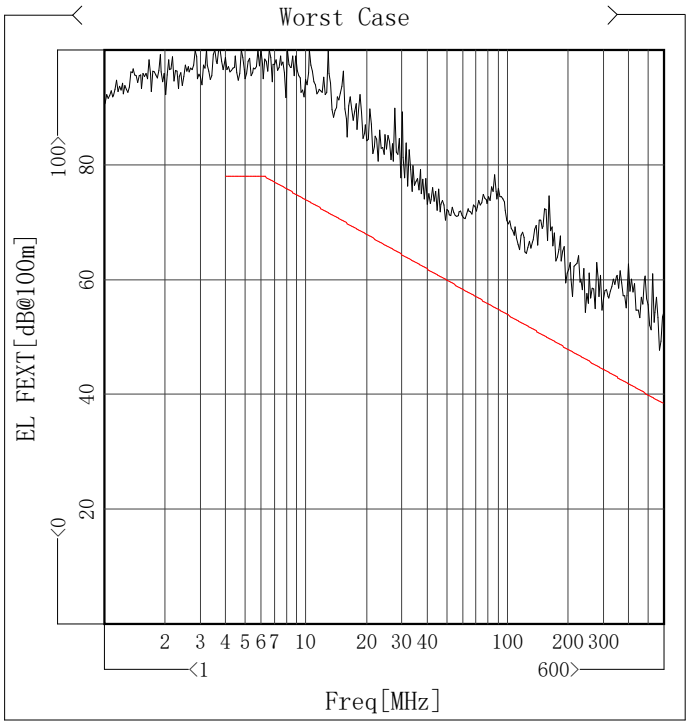


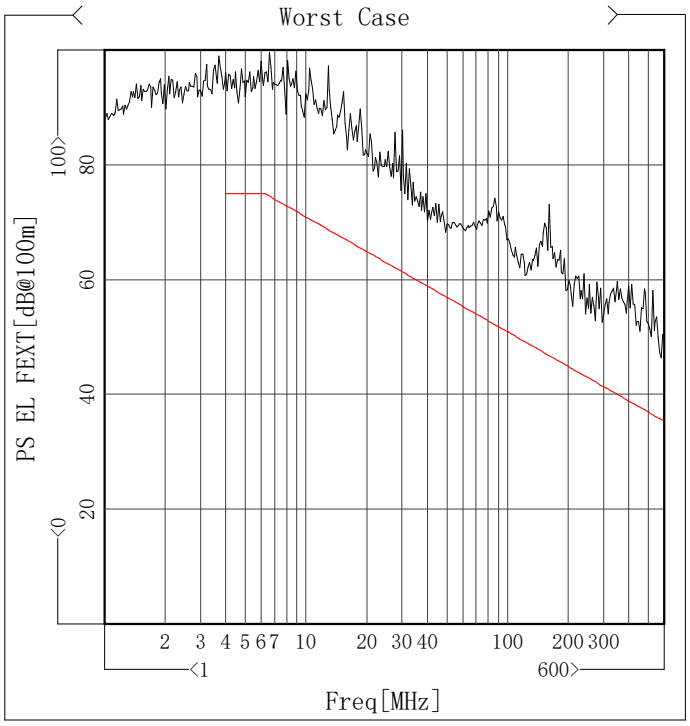
Worst Summary Of High Freq Parameter(2)

Item	Min	Freq[MHz]	Spec	Margin
✔ NEXT[dB@100m]	64.81	333.59	64.55	0.26
✔ PS NEXT[dB@100m]	64.37	255.37	63.29	1.08
✔ EL FEXT[dB@100m]	54.38	246.64	46.16	8.22
✔ PS EL FEXT[dB@100m]	46.45	583.45	35.68	10.77



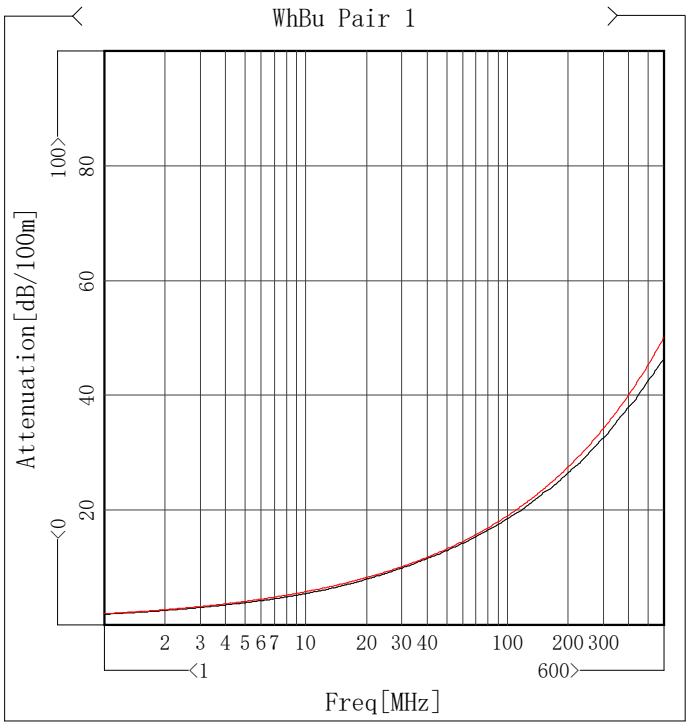


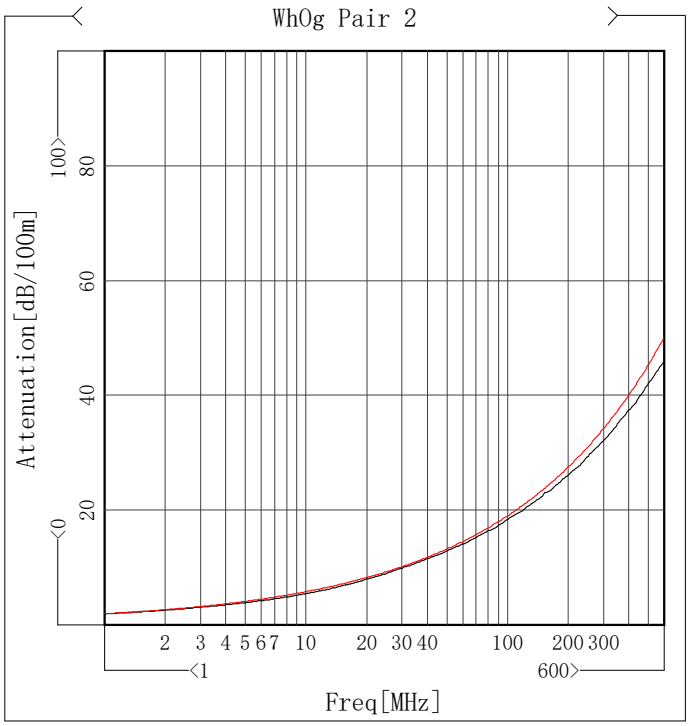


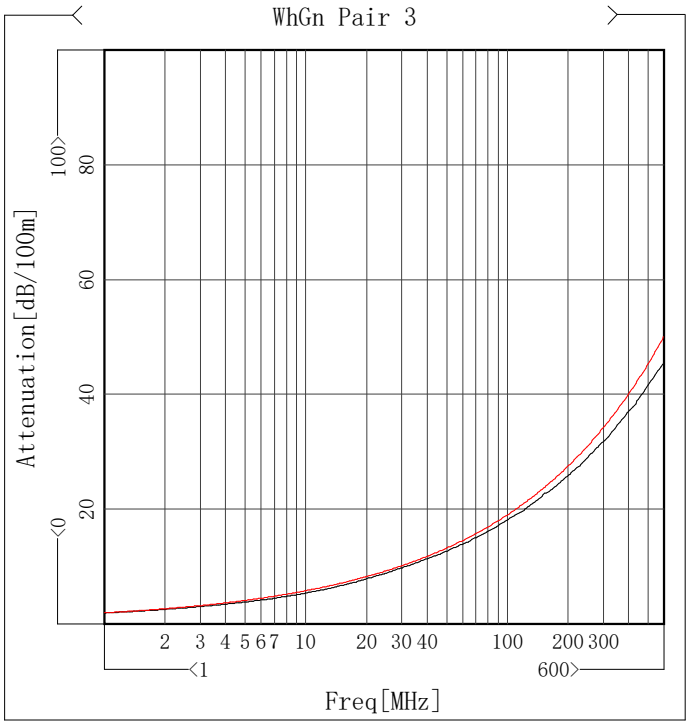


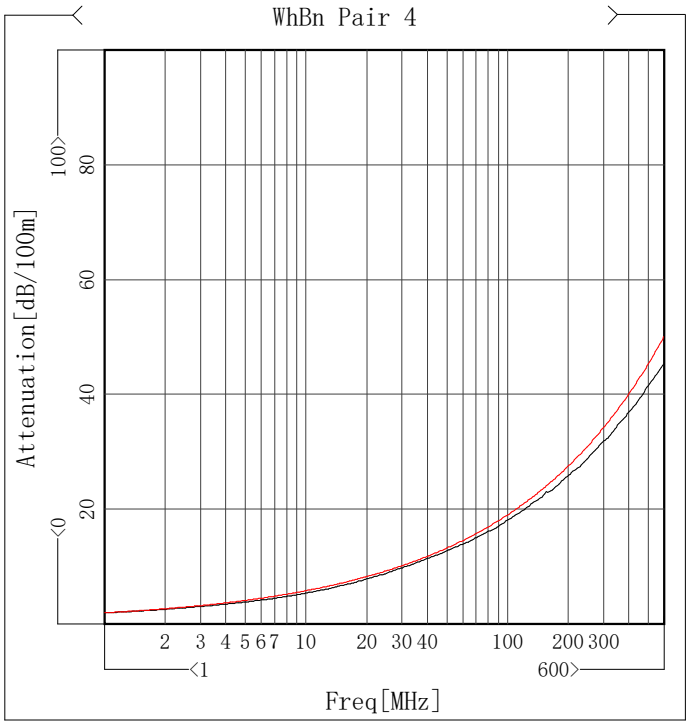
Attenuation

Item	Max [dB/100m]	Freq[MHz]	Spec [dB/100m]	Margin [dB/100m]
WhBu Pair 1	2.23	1.43	2.33	0.10
WhOg Pair 2	2.21	1.32	2.25	0.04
WhGn Pair 3	2.20	1.32	2.25	0.05
WhBn Pair 4	2.21	1.32	2.25	0.04



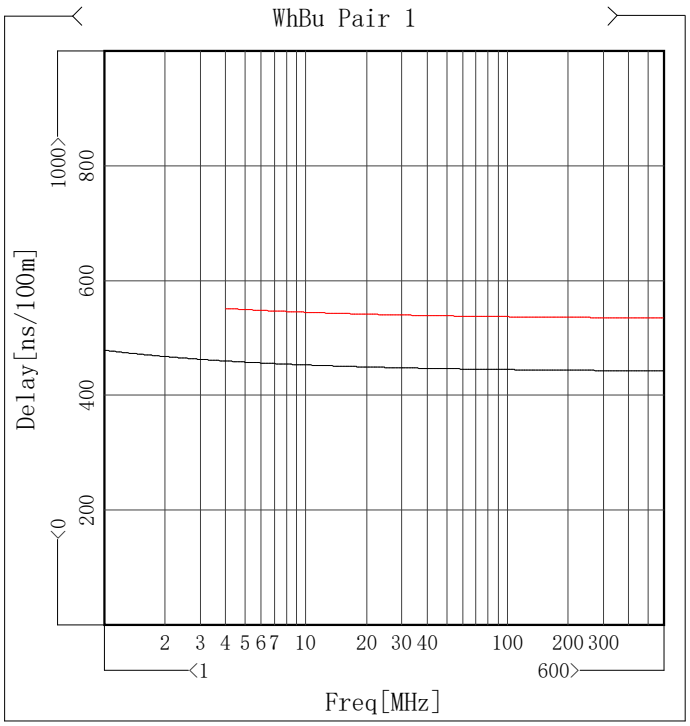


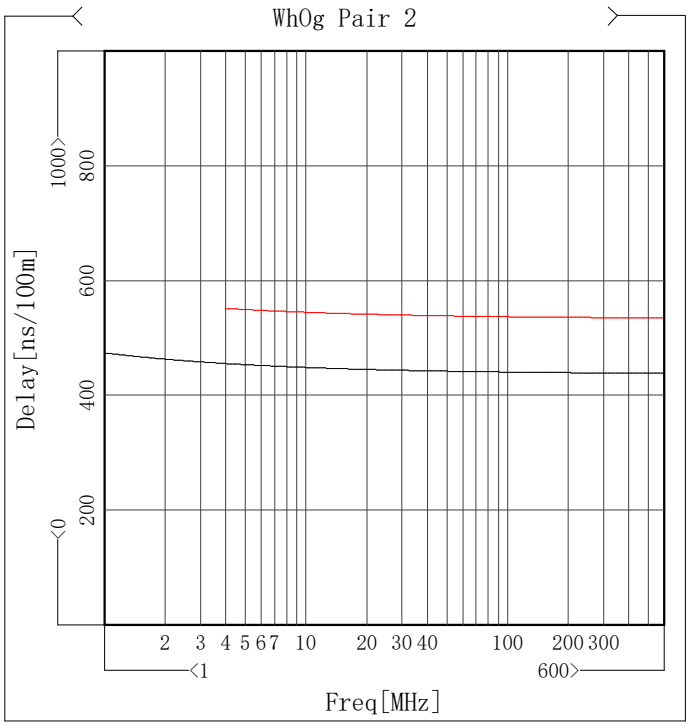


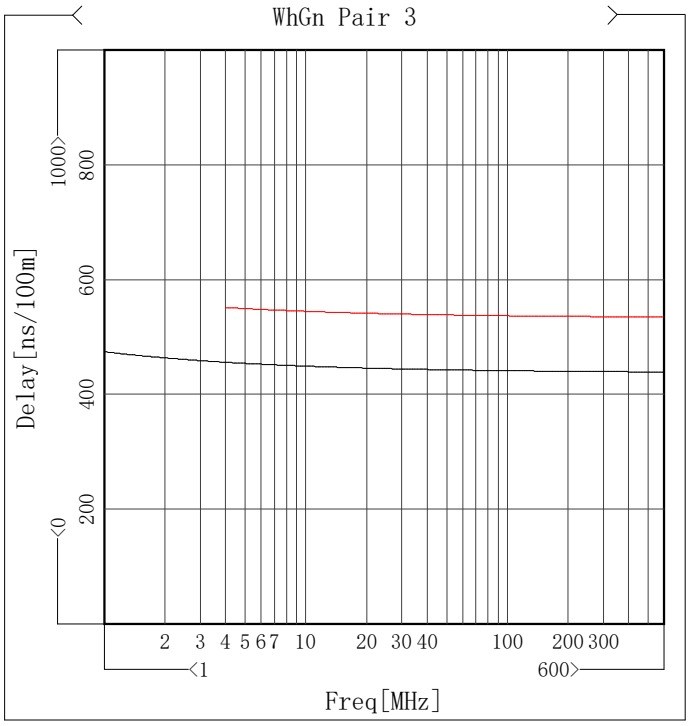


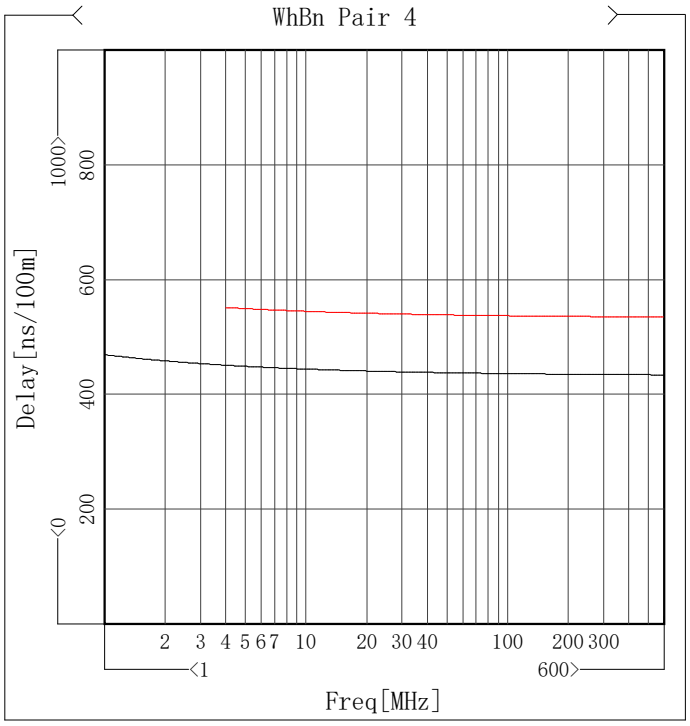
Delay

Item	Max [ns/100m]	Freq[MHz]	Spec [ns/100m]	Margin [ns/100m]
WhBu Pair 1	460.18	4.20	551.57	91.39
WhOg Pair 2	455.83	4.13	551.71	95.88
WhGn Pair 3	456.13	4.27	551.43	95.30
WhBn Pair 4	450.85	4.33	551.29	100.44



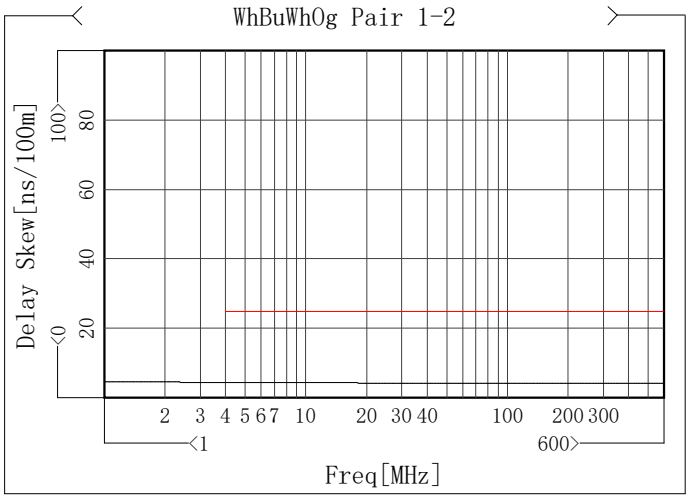


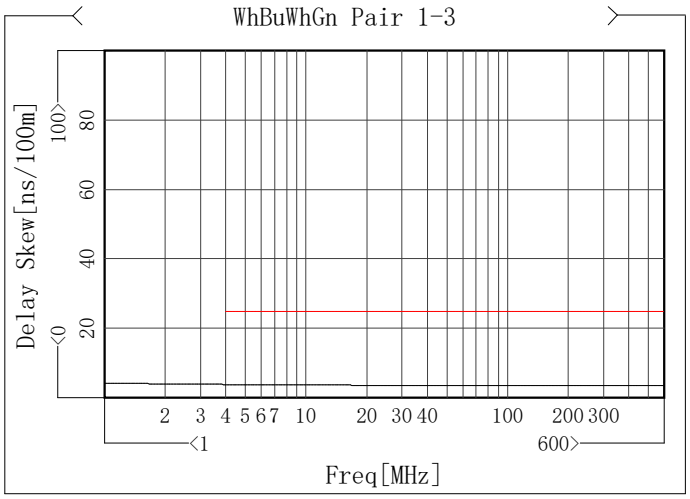


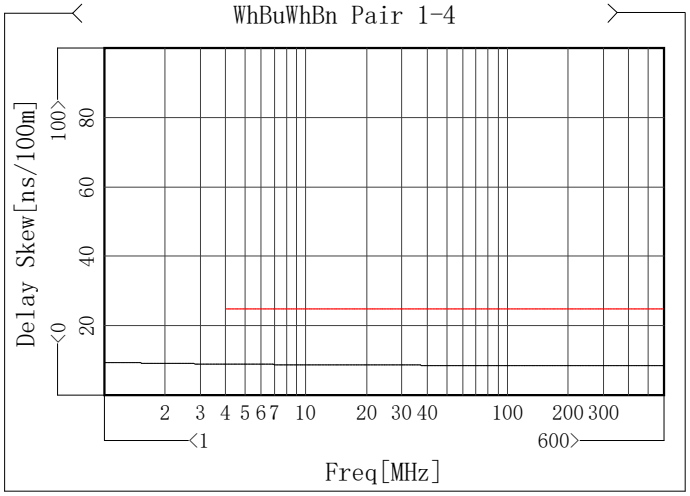


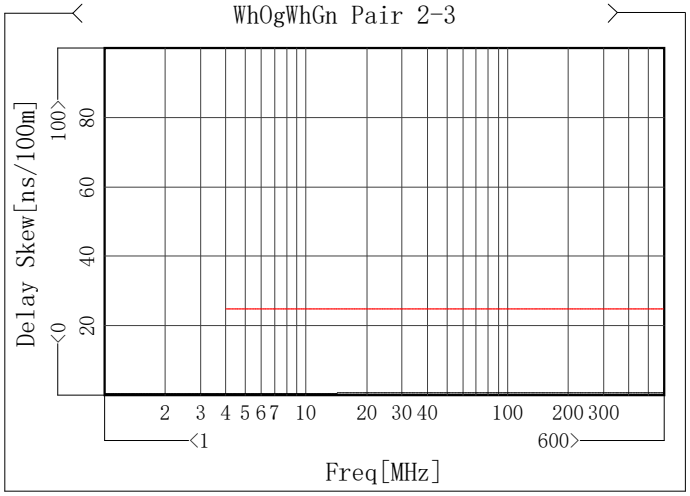
Delay Skew

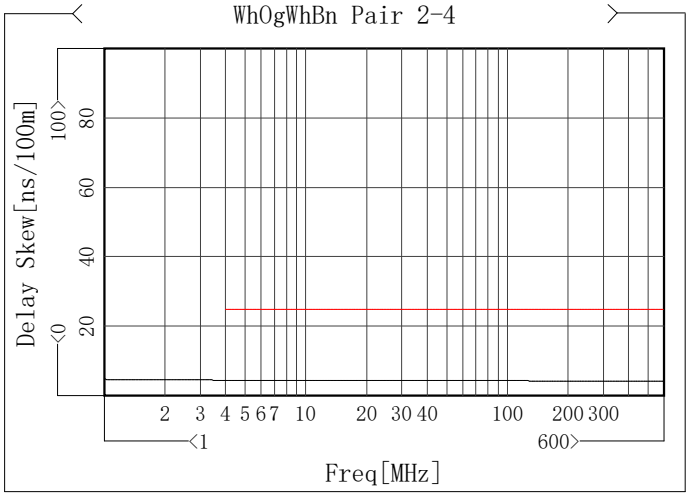
Item	Max [ns/100m]	Freq[MHz]	Spec [ns/100m]	Margin [ns/100m]
WhBuWhOg Pair 1-2	4.50	4.07	25.00	20.50
WhBuWhGn Pair 1-3	3.91	4.20	25.00	21.09
WhBuWhBn Pair 1-4	9.05	4.20	25.00	15.95
WhOgWhGn Pair 2-3	0.72	600.00	25.00	24.28
WhOgWhBn Pair 2-4	4.56	4.07	25.00	20.44
WhGnWhBn Pair 3-4	5.14	4.60	25.00	19.86

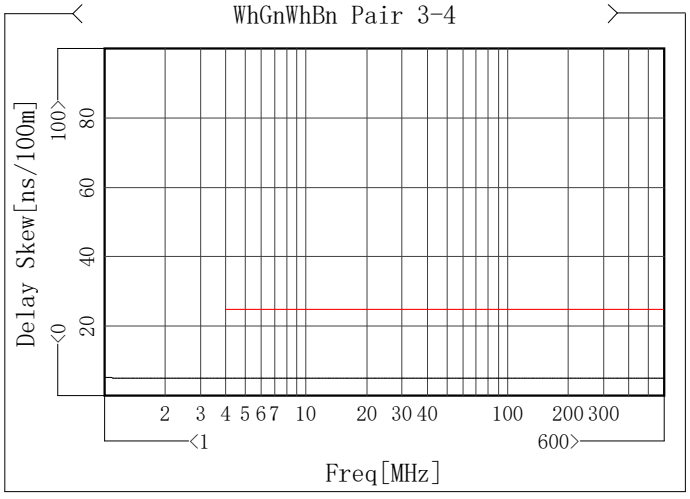






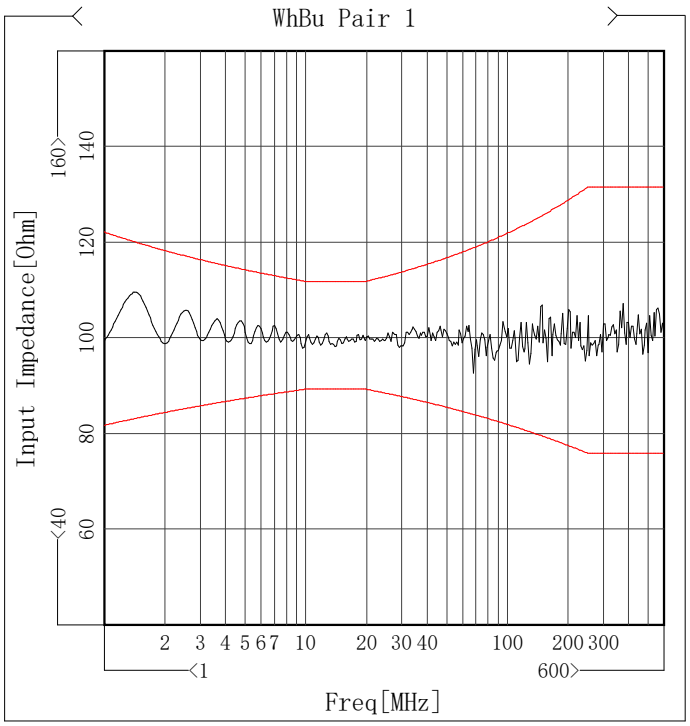


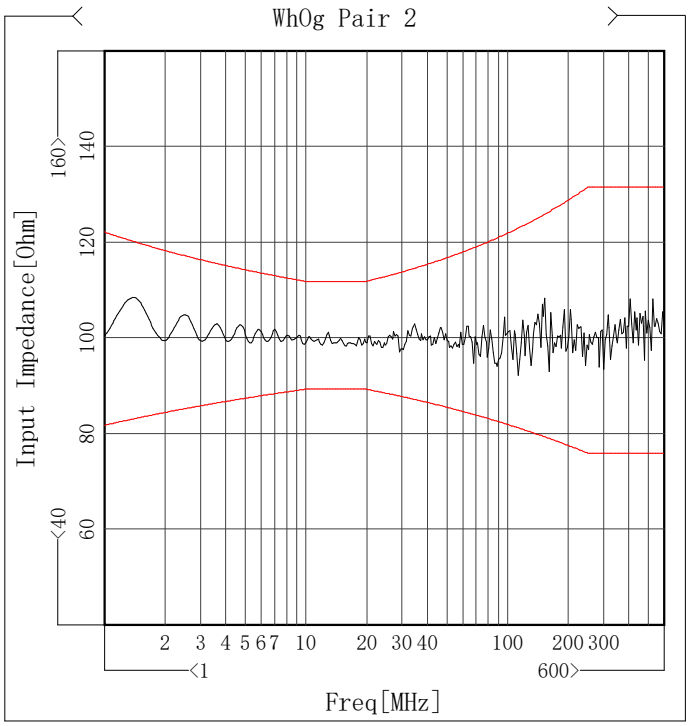


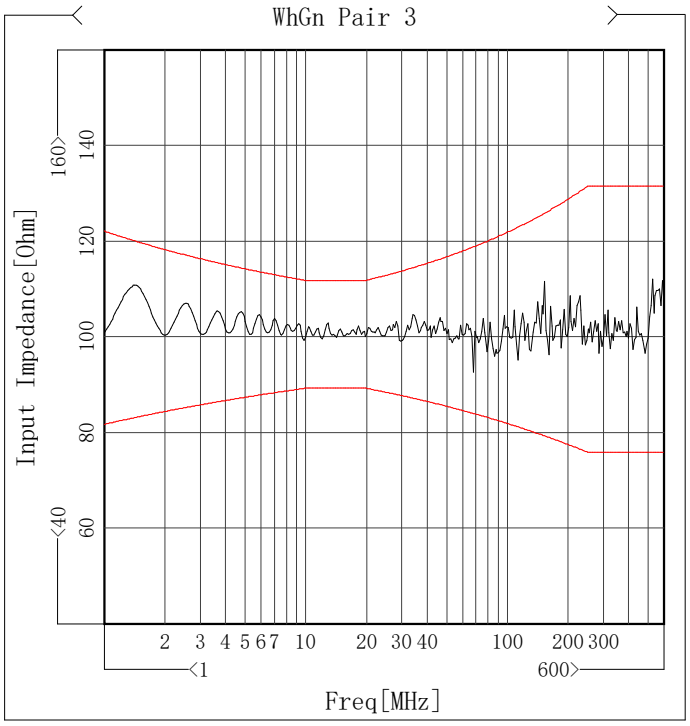


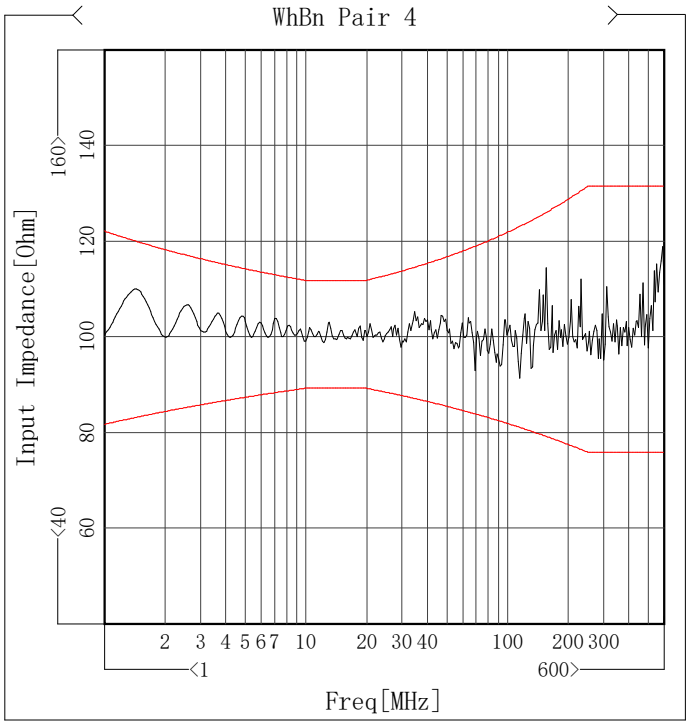
Input Impedance

Item	Max [Ohm]	Freq[MHz]	Spec [Ohm]	Margin [Ohm]	Min [Ohm]	Freq[MHz]	Spec [Ohm]	Margin [Ohm]
WhBu Pair 1	102.65	7.07	113.07	10.42	92.78	68.62	84.06	8.72
WhOg Pair 2	101.22	12.92	111.92	10.70	98.36	15.82	89.35	9.01
WhGn Pair 3	102.94	12.92	111.92	8.98	92.77	68.62	84.06	8.71
WhBn Pair 4	103.23	13.16	111.92	8.69	92.96	69.83	83.97	8.99



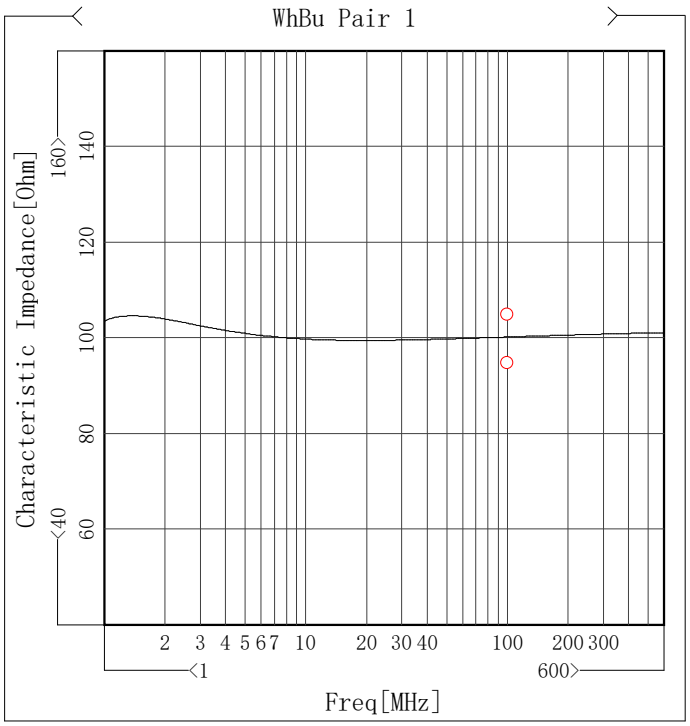


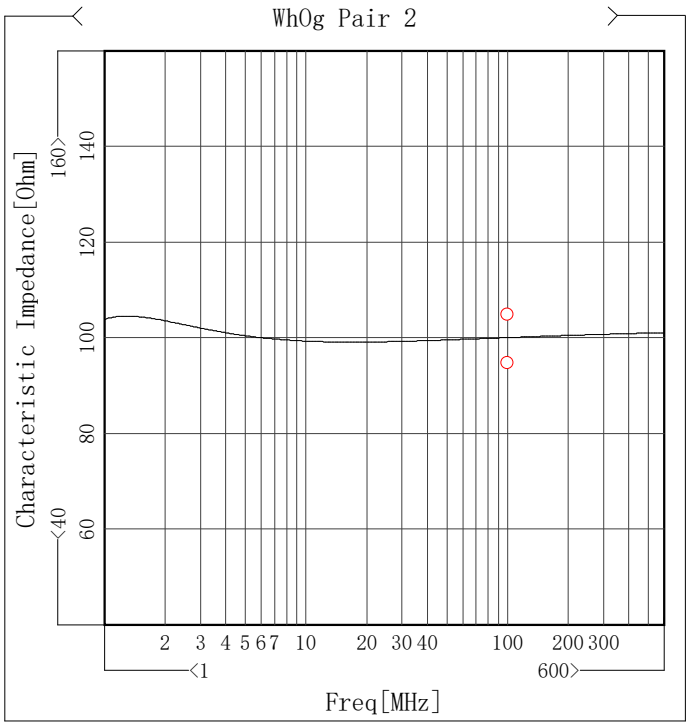


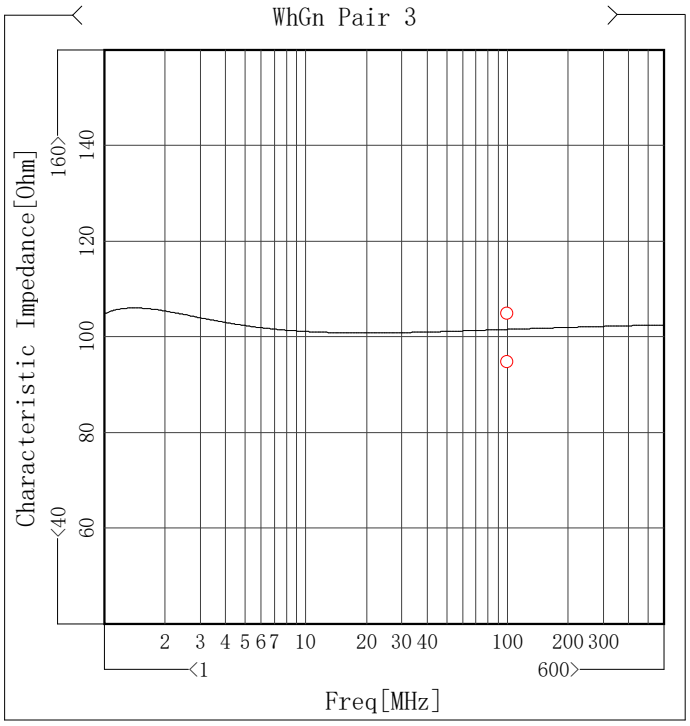


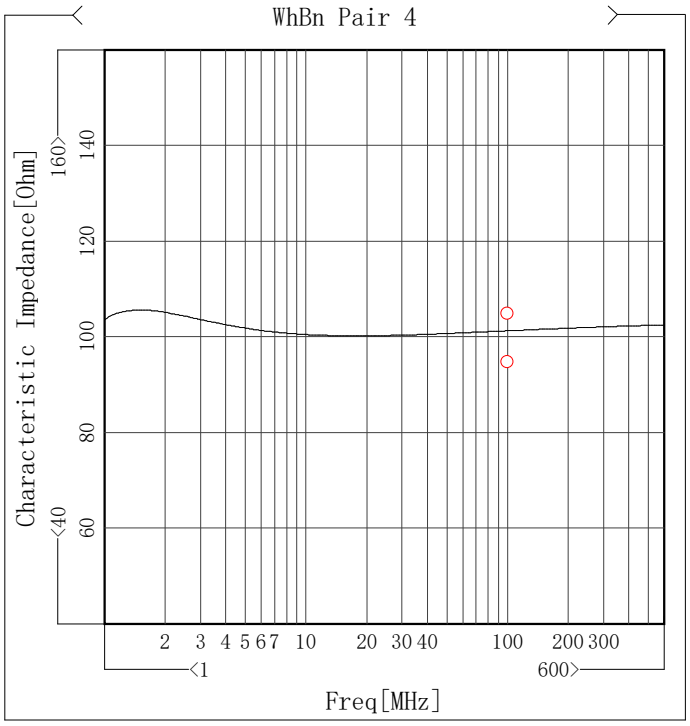
Characteristic Impedance

Item	Max [Ohm]	Freq[MHz]	Spec [Ohm]	Margin [Ohm]	Min [Ohm]	Freq[MHz]	Spec [Ohm]	Margin [Ohm]
WhBu Pair 1	100.26	100.00	105.00	4.74	100.26	100.00	95.00	5.26
WhOg Pair 2	100.13	100.00	105.00	4.87	100.13	100.00	95.00	5.13
WhGn Pair 3	101.65	100.00	105.00	3.35	101.65	100.00	95.00	6.65
WhBn Pair 4	101.35	100.00	105.00	3.65	101.35	100.00	95.00	6.35



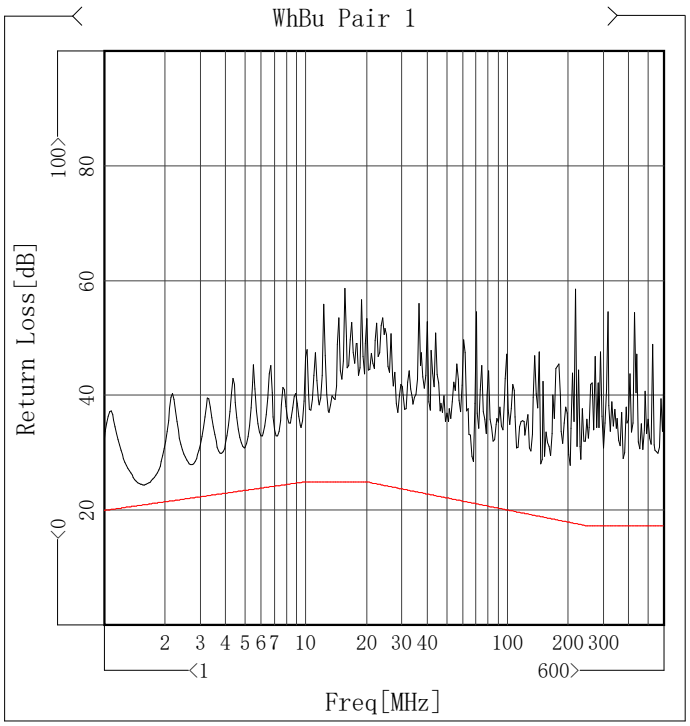


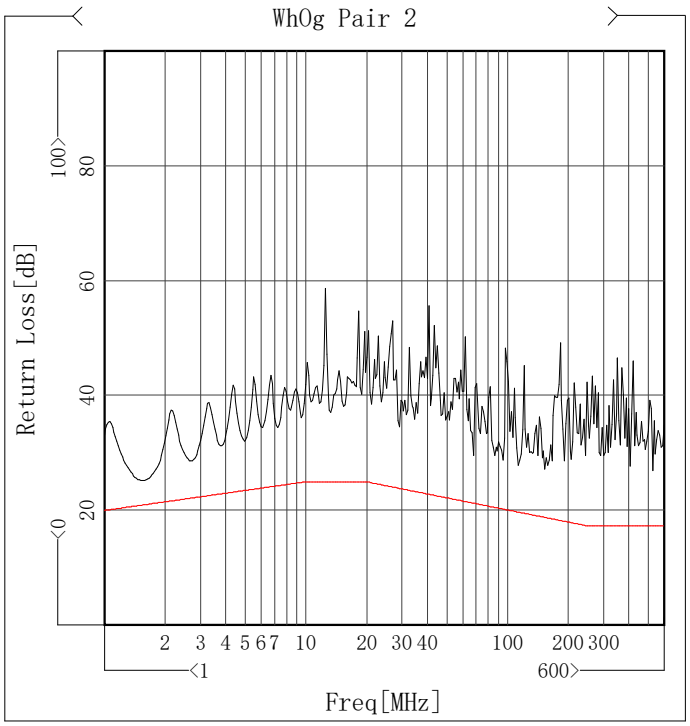


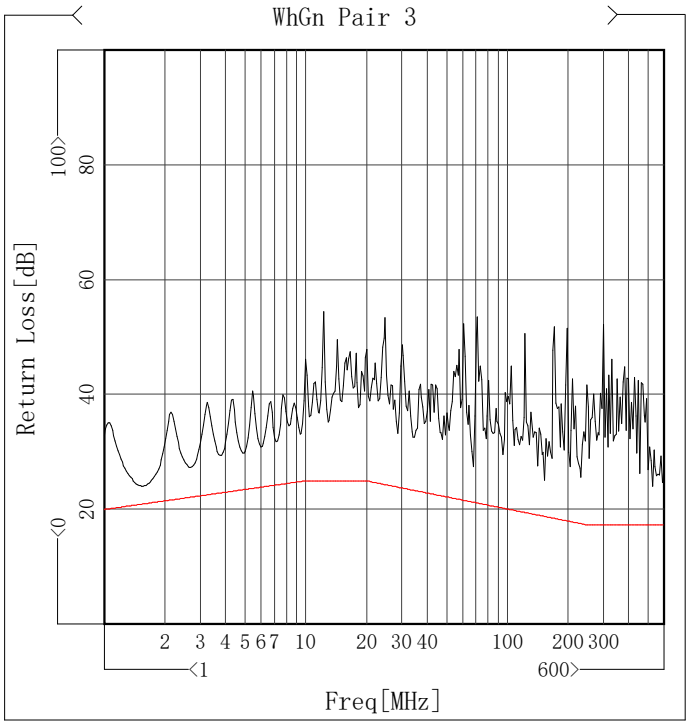


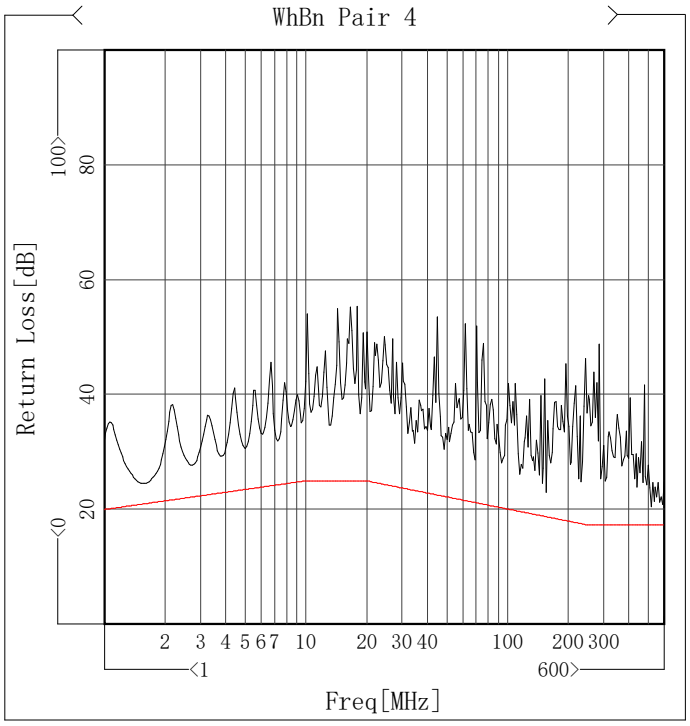
Return Loss

Item	Min [dB]	Freq[MHz]	Spec [dB]	Margin [dB]
WhBu Pair 1	24.49	1.61	21.03	3.46
WhOg Pair 2	25.20	1.58	21.00	4.20
WhGn Pair 3	24.09	1.58	21.00	3.09
WhBn Pair 4	20.48	525.53	17.30	3.18



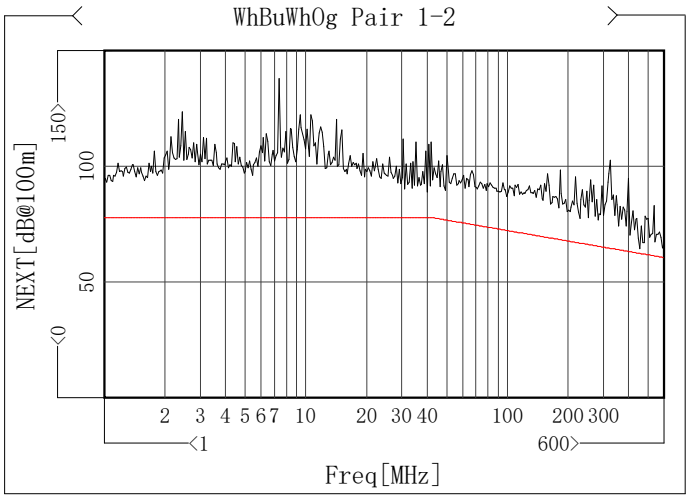


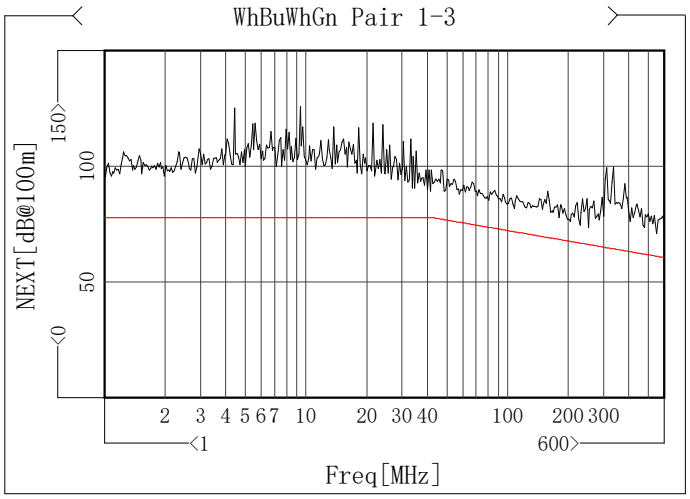


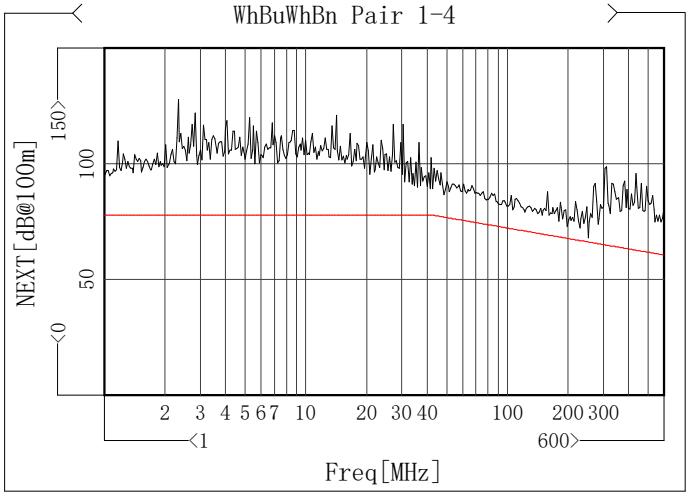


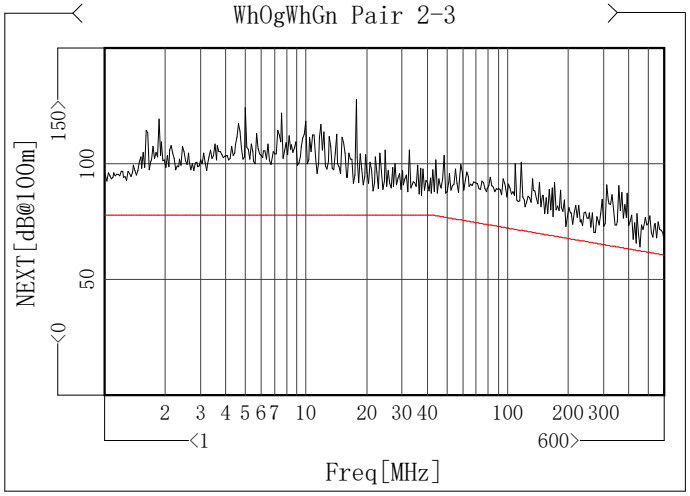
NEXT

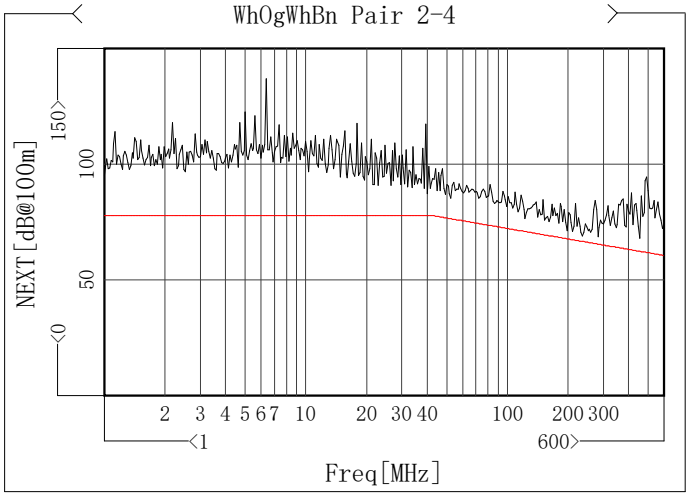
Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBuWhOg Pair 1-2	64.70	459.33	62.47	2.23
WhBuWhGn Pair 1-3	73.77	255.37	66.29	7.48
WhBuWhBn Pair 1-4	68.25	255.37	66.29	1.96
WhOgWhGn Pair 2-3	64.36	459.33	62.47	1.89
WhOgWhBn Pair 2-4	68.96	237.91	66.75	2.21
WhGnWhBn Pair 3-4	64.81	333.59	64.55	0.26

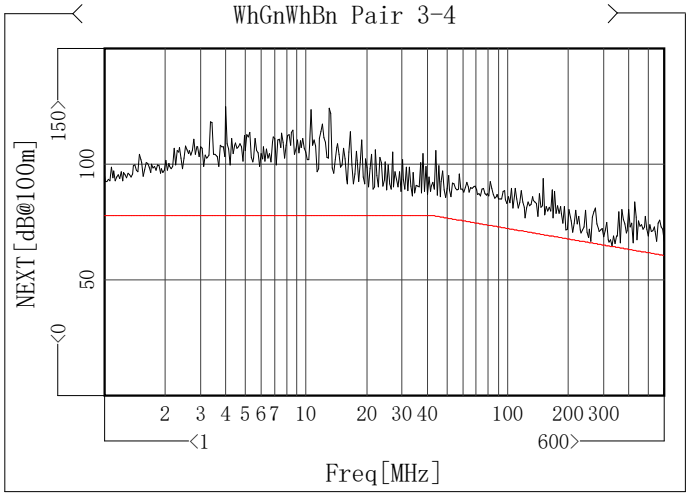






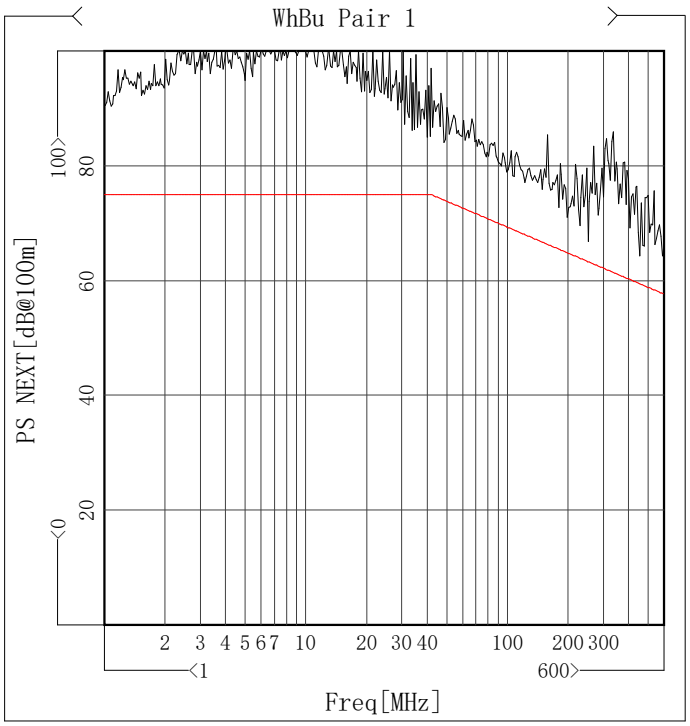


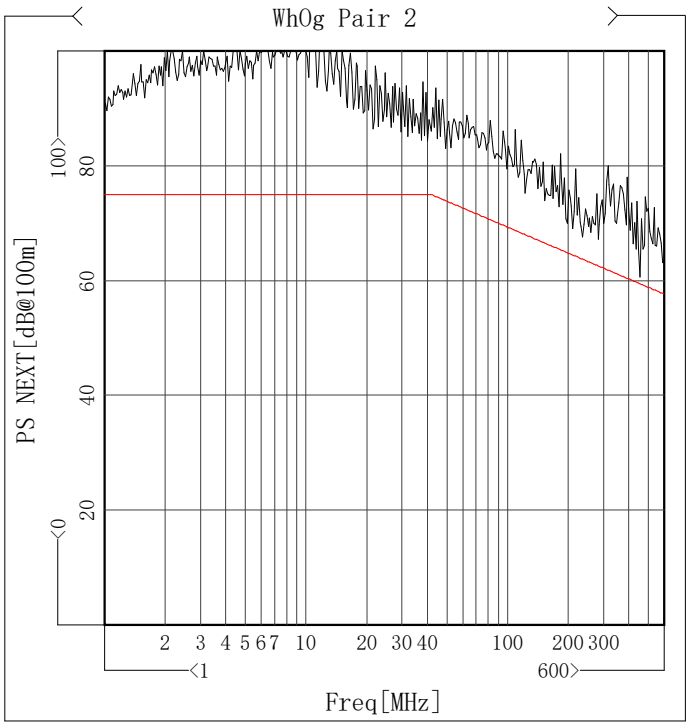


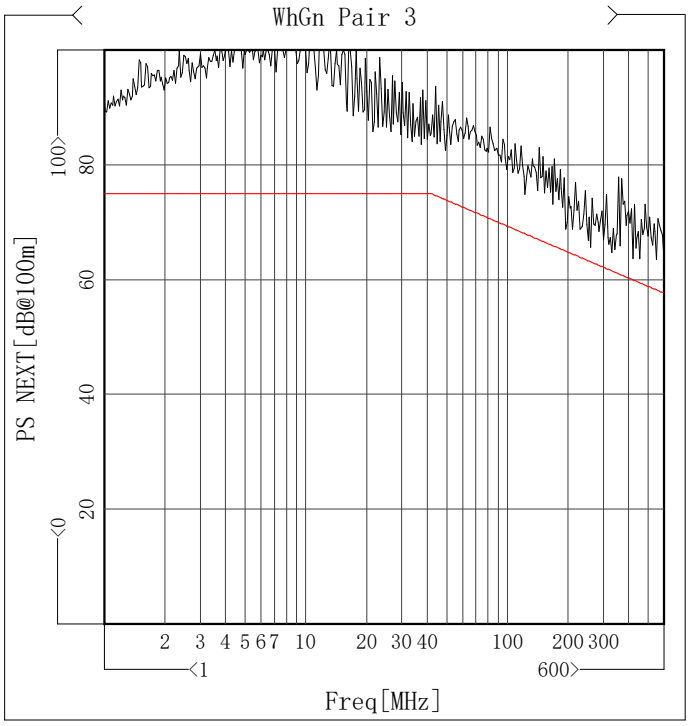


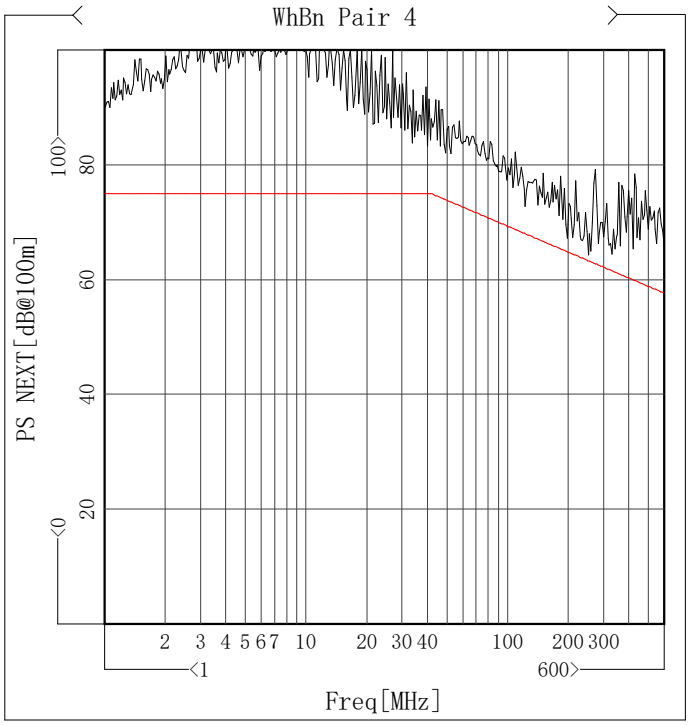
PS NEXT

Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBu Pair 1	66.82	255.37	63.29	3.53
WhOg Pair 2	60.69	459.33	59.47	1.22
WhGn Pair 3	65.62	264.10	63.07	2.55
WhBn Pair 4	64.37	255.37	63.29	1.08



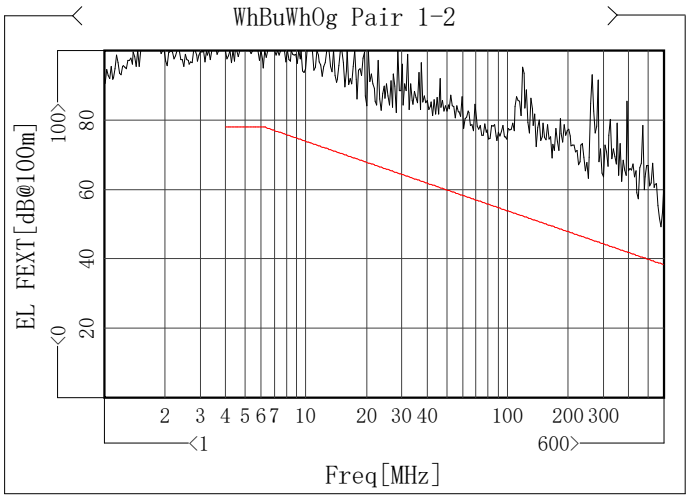


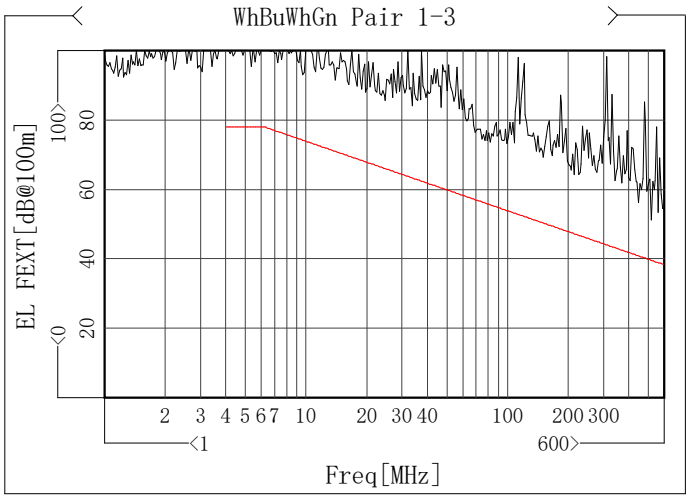


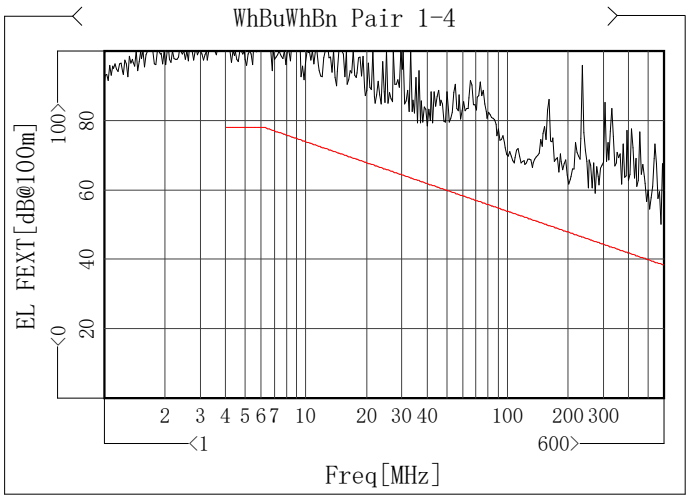


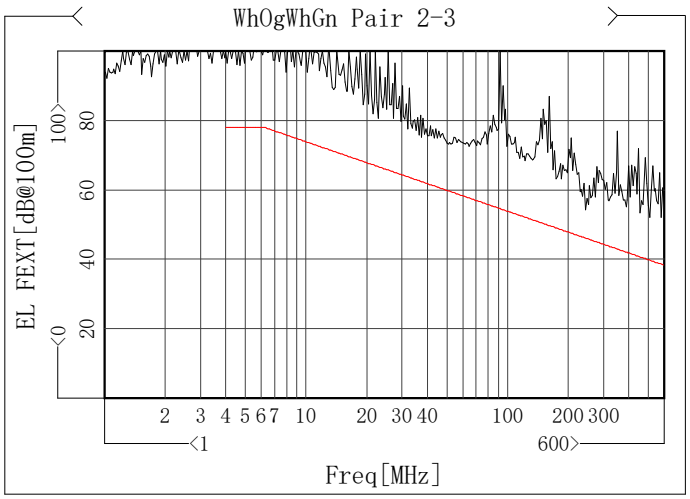
EL FEXT

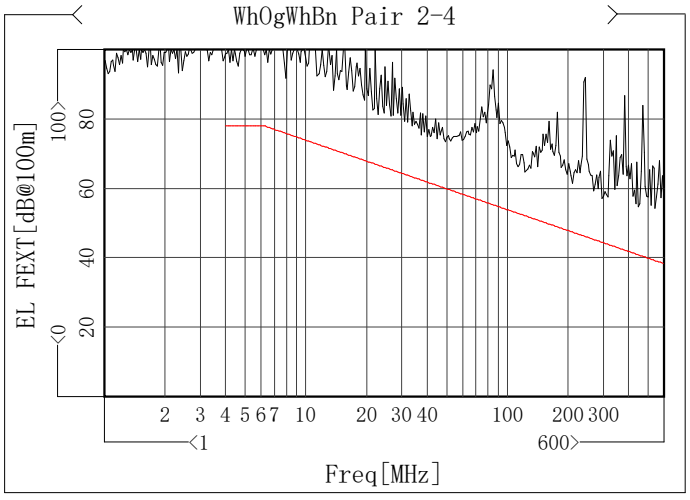
Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBuWhOg Pair 1-2	49.30	583.45	38.68	10.62
WhBuWhGn Pair 1-3	51.25	525.53	39.59	11.66
WhBuWhBn Pair 1-4	50.17	583.45	38.68	11.49
WhOgWhGn Pair 2-3	54.38	246.64	46.16	8.22
WhOgWhBn Pair 2-4	64.85	123.19	52.19	12.66
WhGnWhBn Pair 3-4	47.70	575.18	38.80	8.90

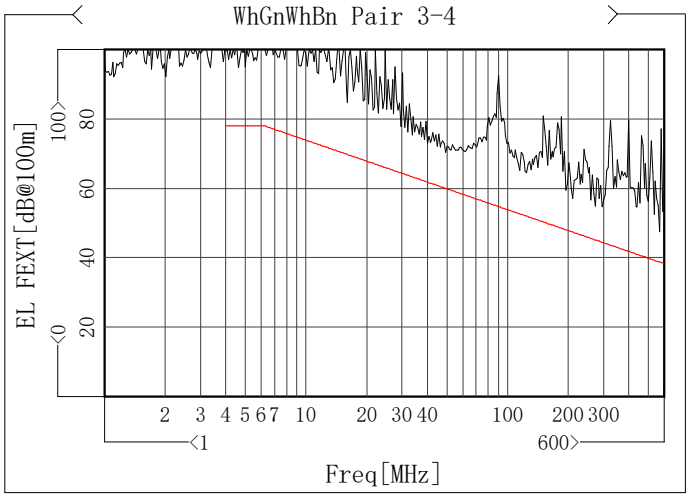






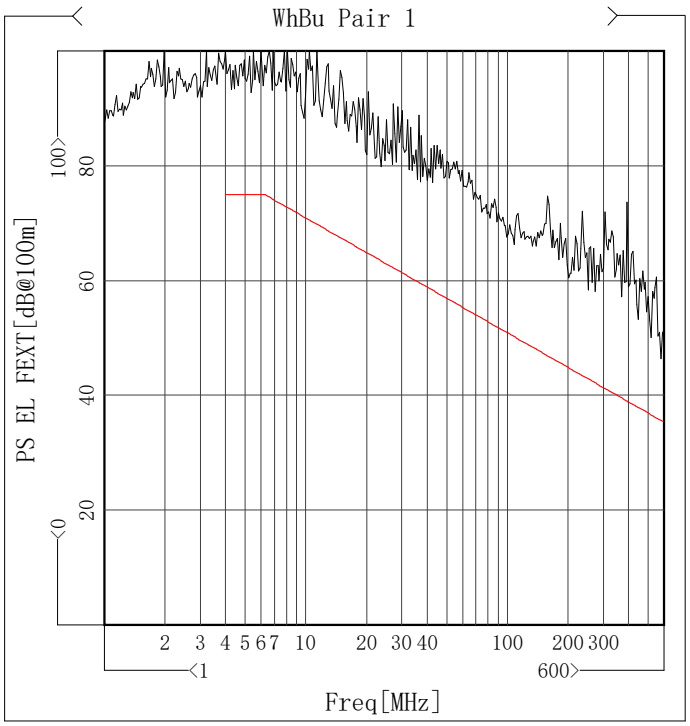


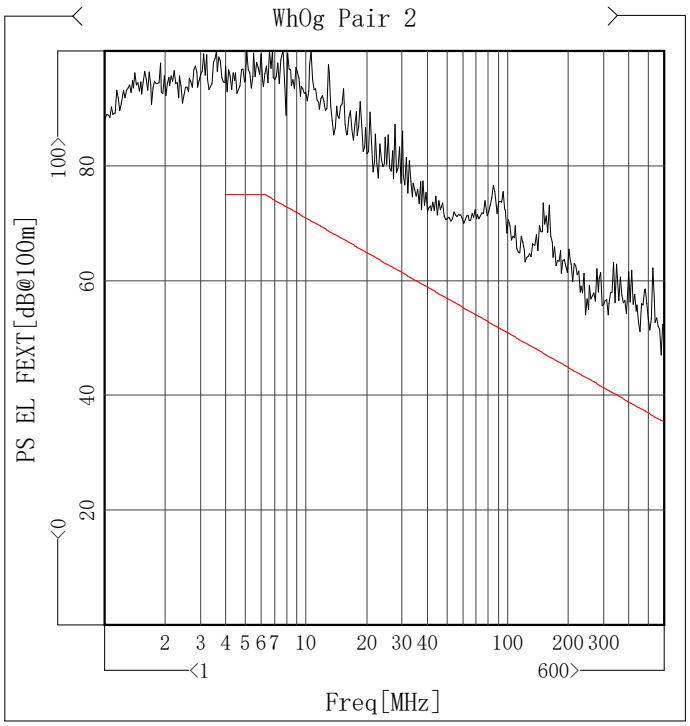


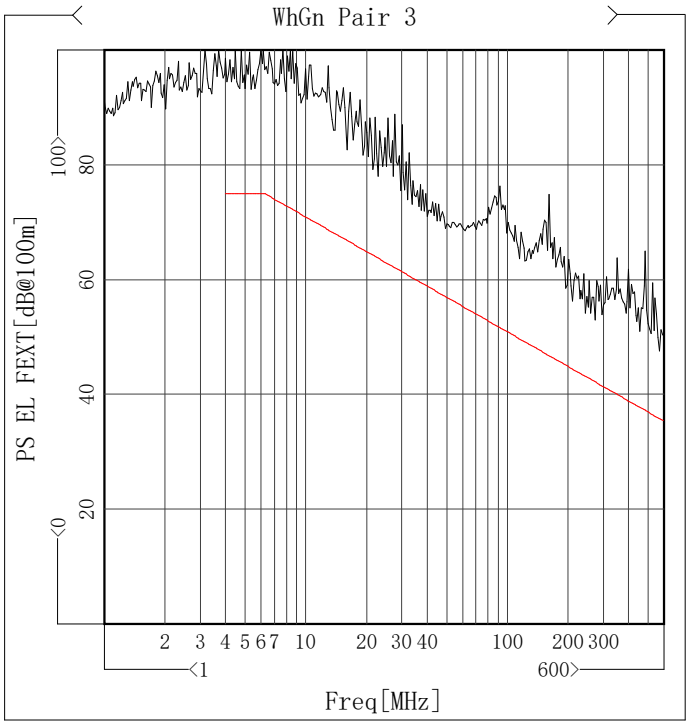


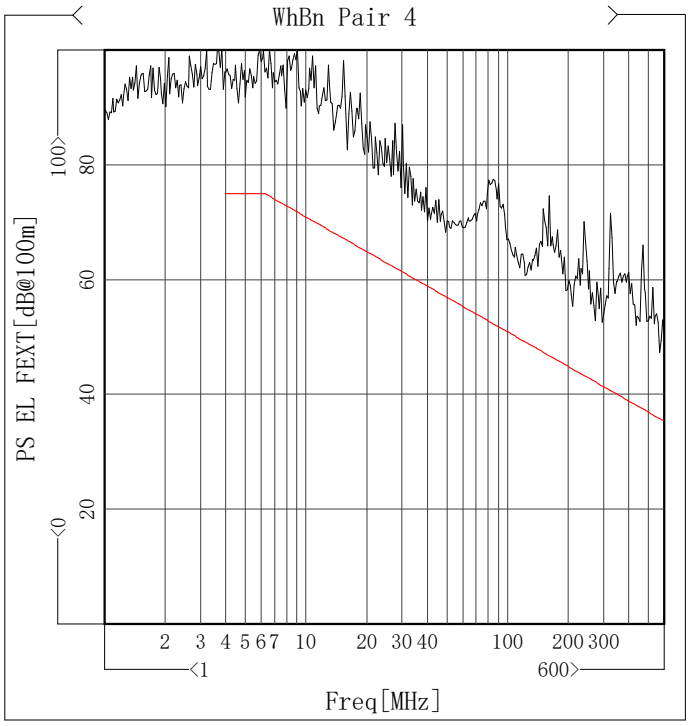
PS EL FEXT

Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBu Pair 1	46.45	583.45	35.68	10.77
WhOg Pair 2	54.05	246.64	43.16	10.89
WhGn Pair 3	53.08	277.19	42.14	10.94
WhBn Pair 4	52.93	277.19	42.14	10.79









Attenuation[dB/100m]

No.	Freq [MHz]	Spec (Max)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	2.01	1.90	1.96	1.94	1.96 ↑
2	4	3.74	3.53	3.55 ↑	3.50	3.50
3	8	5.24	4.91	4.91 ↑	4.84	4.84
4	10	5.86	5.49 ↑	5.48	5.41	5.40
5	16	7.41	7.06 ↑	7.04	6.96	6.94
6	20	8.29	7.96 ↑	7.94	7.85	7.84
7	25	9.29	9.00 ↑	8.98	8.87	8.85
8	31.25	10.41	10.15 ↑	10.14	10.00	10.00
9	50	13.26	12.94 ↑	12.88	12.69	12.73
10	62.5	14.88	14.49 ↑	14.36	14.18	14.20
11	100	19.02	18.42 ↑	18.28	18.05	17.98
12	125	21.39	20.67 ↑	20.52	20.22	20.27
13	200	27.47	26.31 ↑	25.99	25.70	25.70
14	250	30.97	29.52 ↑	29.20	28.82	28.72
15	300	34.19	32.47 ↑	32.03	31.69	31.71
16	350	37.19	35.26 ↑	34.67	34.38	34.24
17	400	40.01	37.78 ↑	37.17	36.81	36.66
18	450	42.69	40.05 ↑	39.52	39.11	39.07
19	500	45.26	42.21 ↑	41.70	41.30	41.22
20	550	47.72	44.32 ↑	43.80	43.38	43.25
21	600	50.1	46.39 ↑	45.78	45.53	45.41

Delay[ns/100m]

No.	Freq [MHz]	Spec (Max)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	\	479.32 ↑	474.56	475.00	469.76
2	4	552	460.62 ↑	456.12	456.70	451.56
3	8	546.73	455.09 ↑	450.67	451.30	446.18
4	10	545.38	453.65 ↑	449.25	449.89	444.78
5	16	543	451.17 ↑	446.80	447.46	442.36
6	20	542.05	450.18 ↑	445.82	446.49	441.40
7	25	541.2	449.24 ↑	444.90	445.57	440.49
8	31.25	540.44	448.48 ↑	444.15	444.82	439.74
9	50	539.09	447.05 ↑	442.75	443.44	438.36
10	62.5	538.55	446.48 ↑	442.18	442.88	437.81
11	100	537.6	445.50 ↑	441.21	441.91	436.85
12	125	537.22	445.09 ↑	440.80	441.51	436.45
13	200	536.55	444.39 ↑	440.12	440.83	435.77
14	250	536.28	444.11 ↑	439.84	440.55	435.49
15	300	536.08	443.90 ↑	439.63	440.35	435.29
16	350	535.92	443.74 ↑	439.47	440.19	435.13
17	400	535.8	443.61 ↑	439.35	440.06	435.01
18	450	535.7	443.49 ↑	439.23	439.95	434.90
19	500	535.61	443.41 ↑	439.15	439.87	434.82
20	550	535.54	443.33 ↑	439.07	439.79	434.74
21	600	535.47	443.25 ↑	439.00	439.72	434.66

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	\	4.76	4.32	9.56 ↑	0.44	4.80	5.24
2	4	25	4.50	3.92	9.06 ↑	0.58	4.56	5.14
3	8	25	4.42	3.79	8.91 ↑	0.63	4.49	5.11
4	10	25	4.40	3.76	8.87 ↑	0.64	4.47	5.11
5	16	25	4.37	3.71	8.80 ↑	0.66	4.44	5.09
6	20	25	4.35	3.69	8.78 ↑	0.67	4.42	5.09
7	25	25	4.34	3.67	8.75 ↑	0.67	4.41	5.08
8	31.25	25	4.33	3.65	8.73 ↑	0.68	4.40	5.08
9	50	25	4.31	3.62	8.69 ↑	0.69	4.38	5.07
10	62.5	25	4.30	3.61	8.68 ↑	0.69	4.38	5.07
11	100	25	4.29	3.59	8.65 ↑	0.70	4.36	5.06
12	125	25	4.28	3.58	8.64 ↑	0.71	4.36	5.06
13	200	25	4.27	3.56	8.62 ↑	0.71	4.35	5.06
14	250	25	4.27	3.56	8.61 ↑	0.71	4.35	5.06
15	300	25	4.26	3.55	8.61 ↑	0.71	4.34	5.06
16	350	25	4.26	3.55	8.60 ↑	0.72	4.34	5.06
17	400	25	4.26	3.54	8.60 ↑	0.72	4.34	5.06
18	450	25	4.26	3.54	8.60 ↑	0.72	4.34	5.05
19	500	25	4.26	3.54	8.59 ↑	0.72	4.34	5.05
20	550	25	4.26	3.54	8.59 ↑	0.72	4.34	5.05
21	600	25	4.26	3.54	8.59 ↑	0.72	4.33	5.05

Input Impedance[Ohm]

No.	Freq [MHz]	Spec		WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
		(Max)	(Min)				
1	1	122.22	81.82	99.40 ↓	100.35	100.93 ↑	100.46
2	4	115.22	86.79	100.61	100.19 ↓	102.50 ↑	102.14
3	8	112.64	88.78	100.84	100.09 ↓	101.79 ↑	100.89
4	10	111.92	89.35	98.69 ↓	98.86	99.74 ↑	99.26
5	16	111.92	89.35	100.15	98.40 ↓	100.54 ↑	99.67
6	20	111.92	89.35	99.68	99.44 ↓	100.61	101.42 ↑
7	25	112.95	88.54	99.62	98.68 ↓	100.57 ↑	100.42
8	31.25	114.07	87.66	98.88	98.35 ↓	99.93 ↑	99.52
9	50	116.8	85.62	101.46	100.72 ↓	101.64	103.30 ↑
10	62.5	118.29	84.54	101.24	101.02	101.57 ↑	100.17 ↓
11	100	121.92	82.02	101.08	100.76 ↓	101.98	102.68 ↑
12	125	123.91	80.7	102.22 ↑	100.20	101.00	100.01 ↓
13	200	128.8	77.64	100.69 ↑	97.75 ↓	100.32	99.34
14	250	131.51	76.04	96.92 ↓	97.62	99.09 ↑	98.03
15	300	131.6	75.99	98.47 ↓	99.83	98.48	102.72 ↑
16	350	131.6	75.99	101.54	100.62 ↓	102.16	102.40 ↑
17	400	131.6	75.99	103.33 ↑	102.59	101.25	98.49 ↓
18	450	131.6	75.99	104.45 ↑	99.30 ↓	101.97	102.24
19	500	131.6	75.99	103.06	101.45	98.44 ↓	104.47 ↑
20	550	131.6	75.99	100.74 ↓	102.51	108.58 ↑	107.71
21	600	131.6	75.99	100.49 ↓	102.45	106.88	111.03 ↑

Characteristic Impedance[Ohm]

No.	Freq [MHz]	Spec (Max)	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	\	\	103.56 ↓	103.91	104.84 ↑	103.61
2	4	\	\	101.69	101.19 ↓	103.14 ↑	102.68
3	8	\	\	100.12	99.66 ↓	101.51 ↑	100.89
4	10	\	\	99.85	99.42 ↓	101.23 ↑	100.59
5	16	\	\	99.57	99.21 ↓	100.94 ↑	100.31
6	20	\	\	99.54	99.22 ↓	100.91 ↑	100.31
7	25	\	\	99.57	99.28 ↓	100.94 ↑	100.37
8	31.25	\	\	99.63	99.38 ↓	101.00 ↑	100.48
9	50	\	\	99.85	99.65 ↓	101.23 ↑	100.79
10	62.5	\	\	99.98	99.80 ↓	101.36 ↑	100.97
11	100	105	95	100.26	100.13 ↓	101.65 ↑	101.35
12	125	\	\	100.39	100.29 ↓	101.79 ↑	101.54
13	200	\	\	100.66	100.59 ↓	102.07 ↑	101.90
14	250	\	\	100.78	100.73 ↓	102.19 ↑	102.06
15	300	\	\	100.88	100.83 ↓	102.29 ↑	102.18
16	350	\	\	100.95	100.91 ↓	102.36 ↑	102.28
17	400	\	\	101.01	100.98 ↓	102.43 ↑	102.36
18	450	\	\	101.07	101.04 ↓	102.48 ↑	102.43
19	500	\	\	101.11	101.09 ↓	102.53 ↑	102.49
20	550	\	\	101.15	101.13 ↓	102.57 ↑	102.55
21	600	\	\	101.18	101.17 ↓	102.60 ↑	102.59

Return Loss[dB]

No.	Freq [MHz]	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	20	32.49	33.19	32.93	32.18 ↓
2	4	23.01	30.86	32.20	30.65	29.93 ↓
3	8	24.52	40.17	41.25	38.74 ↓	41.59
4	10	25	43.02	40.40	42.74	40.09 ↓
5	16	25	52.43	39.97 ↓	46.24	44.54
6	20	25	46.91	46.97	44.13	41.51 ↓
7	25	24.32	51.49	42.70 ↓	51.00	47.89
8	31.25	23.64	38.43 ↓	38.56	43.80	41.99
9	50	22.21	35.79	35.92	33.69	33.02 ↓
10	62.5	21.54	43.81	45.67	43.18 ↓	48.23
11	100	20.11	44.28	47.60	39.91	35.03 ↓
12	125	19.43	34.63	31.72 ↓	38.53	35.46
13	200	18	37.40 ↓	37.57	47.55	40.04
14	250	17.32	35.03 ↓	39.40	39.47	38.98
15	300	17.3	35.15	33.37	40.93	28.36 ↓
16	350	17.3	35.17	35.62	33.12 ↓	33.26
17	400	17.3	35.33	31.55	42.94	29.42 ↓
18	450	17.3	33.91	31.56	40.90	28.38 ↓
19	500	17.3	33.98	31.91	38.96	24.42 ↓
20	550	17.3	30.56	30.05	27.54	23.79 ↓
21	600	17.3	44.06	34.83	27.36	24.85 ↓

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	78	93.19 ↓	97.16	97.19	96.69	95.21	94.88
2	4	78	100.99 ↓	105.06	105.69	103.53	101.66	104.16
3	8	78	109.10	106.89	103.36 ↓	106.73	109.80	104.41
4	10	78	109.67	103.48 ↓	107.20	115.81	106.94	106.23
5	16	78	98.68	107.51	103.05	96.91	100.44	95.71 ↓
6	20	78	97.50 ↓	102.77	101.07	100.29	99.30	98.11
7	25	78	96.83 ↓	99.28	104.28	102.34	105.35	98.15
8	31.25	78	97.44	99.56	100.41	92.77	93.94	90.68 ↓
9	50	76.92	92.61	90.55	89.60	87.54	87.82	86.38 ↓
10	62.5	75.46	92.38	89.90	88.01 ↓	94.27	89.52	90.85
11	100	72.4	89.15	84.43	83.02 ↓	89.04	83.95	84.38
12	125	70.95	89.30	82.35	80.59	83.05	78.80 ↓	80.44
13	200	67.88	82.69	78.13	75.98	75.62	72.89	71.84 ↓
14	250	66.43	87.72	85.16	80.43	77.23	73.29	72.85 ↓
15	300	65.24	88.90	84.92	80.96	82.10	74.53	71.60 ↓
16	350	64.24	85.23	84.34	85.72	73.65	73.09	68.33 ↓
17	400	63.37	81.36	86.37	88.73	86.73	82.60	71.95 ↓
18	450	62.6	70.05 ↓	81.47	82.02	70.85	74.18	74.63
19	500	61.92	77.31	78.29	89.42	74.03	94.46	72.68 ↓
20	550	61.29	68.13 ↓	76.26	75.12	74.19	77.33	71.11
21	600	60.73	67.08	75.53	80.98	66.87	74.82	66.75 ↓

PS NEXT[dB@100m]

No.	Freq [MHz]	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	75	90.64	90.02 ↓	91.36	90.87
2	4	75	98.57	97.16 ↓	99.22	98.55
3	8	75	100.12	102.46	100.75	99.74 ↓
4	10	75	100.86 ↓	104.11	101.41	101.59
5	16	75	96.90	92.67 ↓	92.90	92.97
6	20	75	95.09	93.80 ↓	94.98	94.40
7	25	75	93.95	94.38	93.03 ↓	96.25
8	31.25	75	93.97	88.07	87.67 ↓	88.16
9	50	73.92	85.71	83.74	83.00	82.96 ↓
10	62.5	72.46	84.87	86.83	86.53	84.48 ↓
11	100	69.4	80.07	81.86	80.66	78.97 ↓
12	125	67.95	78.02	77.14	76.96	75.08 ↓
13	200	64.88	73.19	70.33	69.53	68.26 ↓
14	250	63.43	78.59	71.65	70.95	69.19 ↓
15	300	62.24	78.47	73.17	70.91	69.43 ↓
16	350	61.24	79.79	70.11	67.09	66.92 ↓
17	400	60.37	79.14	77.75	71.30 ↓	71.34
18	450	59.6	69.47	66.59 ↓	68.32	70.41
19	500	58.92	74.53	72.32	69.63 ↓	72.41
20	550	58.29	66.67	66.53 ↓	68.55	68.95
21	600	57.73	66.35	63.62	63.51 ↓	65.98

EL FEXT[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	\	90.63 ↓	98.84	91.19	93.48	96.57	96.91
2	4	78	103.95	102.29	105.11	98.42	97.93 ↓	103.71
3	8	75.94	108.99	104.88	101.54	98.27	94.78 ↓	98.39
4	10	74	94.38 ↓	99.12	94.46	102.44	100.27	99.61
5	16	69.92	93.13	95.11	104.13	89.24 ↓	93.13	91.82
6	20	67.98	92.12	91.39	88.33 ↓	94.60	97.66	93.75
7	25	66.04	87.42	87.17 ↓	90.64	90.26	92.51	96.44
8	31.25	64.1	88.52	88.60	90.35	80.75	81.05	79.42 ↓
9	50	60.02	83.91	93.22	81.21	74.20	73.81	70.76 ↓
10	62.5	58.08	80.69	80.37	83.18	73.53	75.55	70.98 ↓
11	100	54	75.03	76.29	71.61 ↓	80.16	74.95	74.63
12	125	52.06	87.67	79.82	67.87	70.02	65.17	64.68 ↓
13	200	47.98	76.44	72.08	66.21	65.43	64.71	60.51 ↓
14	250	46.04	67.38	76.74	69.08	56.87 ↓	73.89	67.73
15	300	44.46	64.63	69.32	67.44	63.08	57.42	55.18 ↓
16	350	43.12	68.01	64.74	67.57	63.57	71.14	61.33 ↓
17	400	41.96	84.42	76.31	76.48	57.69 ↓	63.93	64.32
18	450	40.94	57.59	57.12	62.62	70.34	56.41 ↓	60.93
19	500	40.02	66.63	61.32	57.16 ↓	62.57	58.10	58.77
20	550	39.19	61.51	62.47	73.06	60.46	54.89 ↓	61.69
21	600	38.44	62.06	54.49	55.29	56.05	56.17	54.45 ↓

PS EL FEXT[dB@100m]

No.	Freq [MHz]	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	\	87.55 ↓	88.14	91.06	89.27
2	4	75	98.81	94.58 ↓	95.96	96.26
3	8	72.94	98.80	92.89	94.40	92.29 ↓
4	10	71	90.45 ↓	92.72	94.65	92.08
5	16	66.92	90.34	85.89 ↓	86.07	87.25
6	20	64.98	85.06	85.39	85.82	84.94 ↓
7	25	63.04	82.70 ↓	83.87	83.56	83.68
8	31.25	61.1	82.72	77.27	76.63 ↓	76.82
9	50	57.02	78.68	70.75	69.09	68.72 ↓
10	62.5	55.08	76.46	70.92	68.75 ↓	69.49
11	100	51	69.03	71.06	71.47	68.67 ↓
12	125	49.06	67.54	63.91	63.44	60.92 ↓
13	200	44.98	64.70	61.88	58.91	58.20 ↓
14	250	43.04	64.70	56.26 ↓	56.47	64.08
15	300	41.46	61.75	55.76	54.35	52.98 ↓
16	350	40.12	61.66	61.10	57.87 ↓	59.15
17	400	38.96	73.03	56.60	56.53 ↓	60.58
18	450	37.94	53.65	53.19 ↓	54.90	53.48
19	500	37.02	55.07	56.26	55.65	53.14 ↓
20	550	36.19	58.78	52.98 ↓	56.62	53.61
21	600	35.44	51.47	52.58	50.16 ↓	50.48