Record File: E:\7FI-011277\CTS260114-14-P.cts

Test Information

Test Time : 2026/01/14 14:00:34	Temperature:25C
Standard:IEC 61156-5 CAT7	Test Result:Pass
Cable Length:100m	Cable Type:
Tester:	Cable ID:.

Test Result List

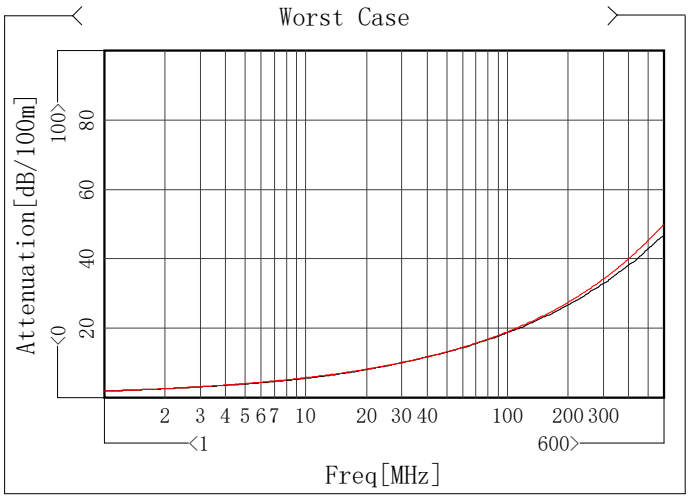
Test Item	Unit	Test Result
Attenuation	dB/100m	Pass
Propagation Delay	ns/100m	Pass
Propagation Delay Skew	ns/100m	Pass
Input Impedance	Ohm	Pass
Characteristic Impedance	Ohm	Pass
Return Loss	dB	Pass
Near End Crosstalk	dB@100m	Pass
Power Sum NEXT	dB@100m	Pass
Equal Level FEXT	dB@100m	Pass
Power Sum ELFEXT	dB@100m	Pass

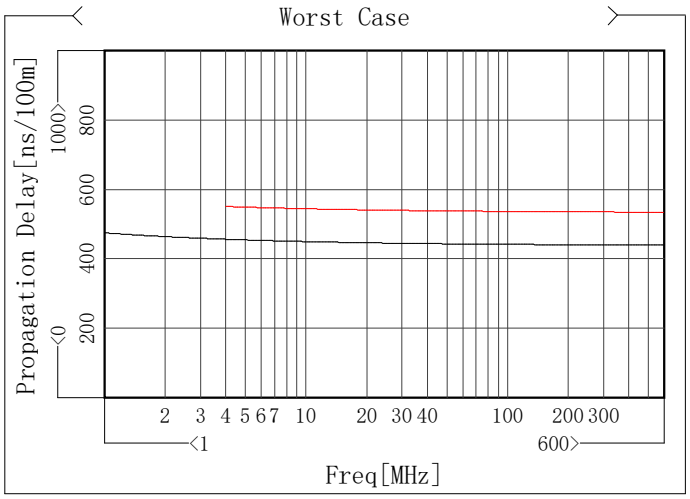
Inspector:
Date :

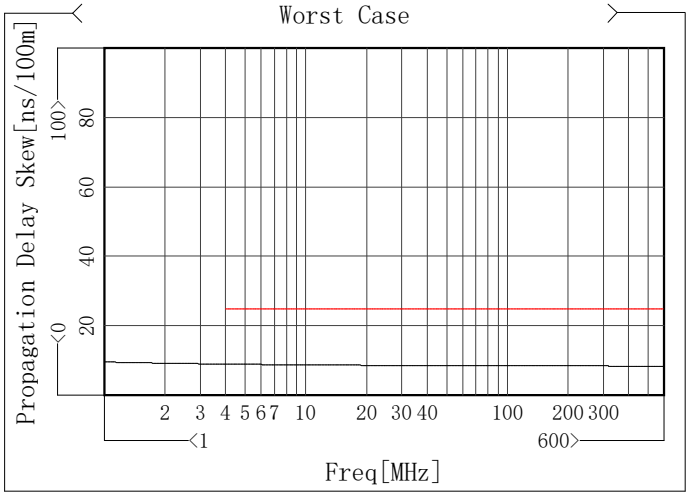
Assessor :
Date :

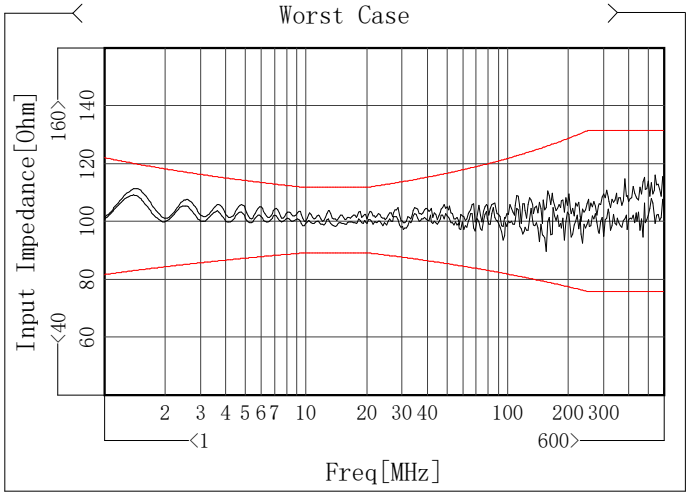
Worst Summary Of High Freq Parameter

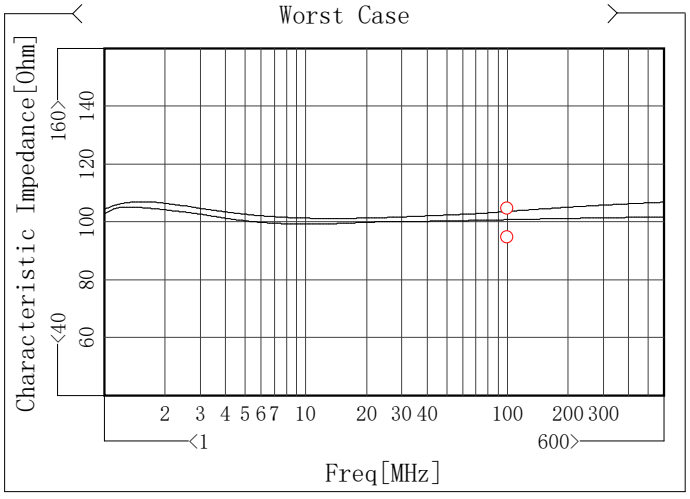
Item	Max	Freq[MHz]	Spec	Margin	Min	Freq[MHz]	Spec	Margin
✔ Attenuation[dB/100m]	2.29	1.40	2.31	0.02	/	/	/	/
✔ Propagation Delay[ns/100m	457.37	4.13	551.71	94.34	/	/	/	/
✔ Propagation Delay Skew[ns/	9.05	4.07	25.00	15.95	/	/	/	/
✔ Input Impedance[Ohm]	104.02	13.16	111.92	7.90	98.45	14.13	89.35	9.10
✔ Characteristic Impedance[(	103.76	100.00	105.00	1.24	100.93	100.00	95.00	5.93
✔ Return Loss[dB]	/	/	/	/	23.87	1.58	21.00	2.87

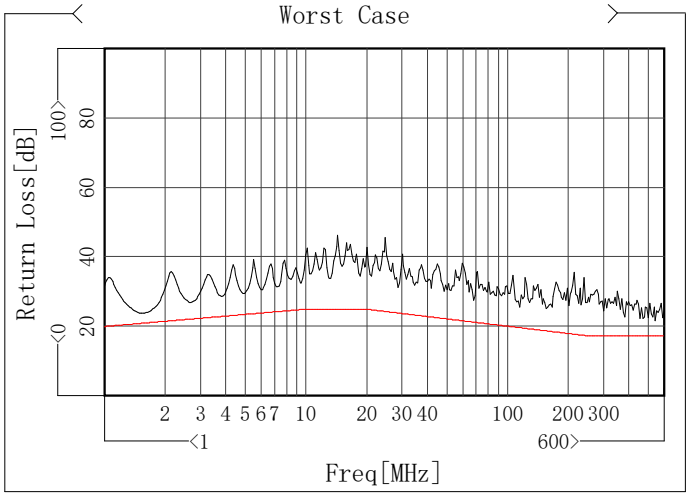






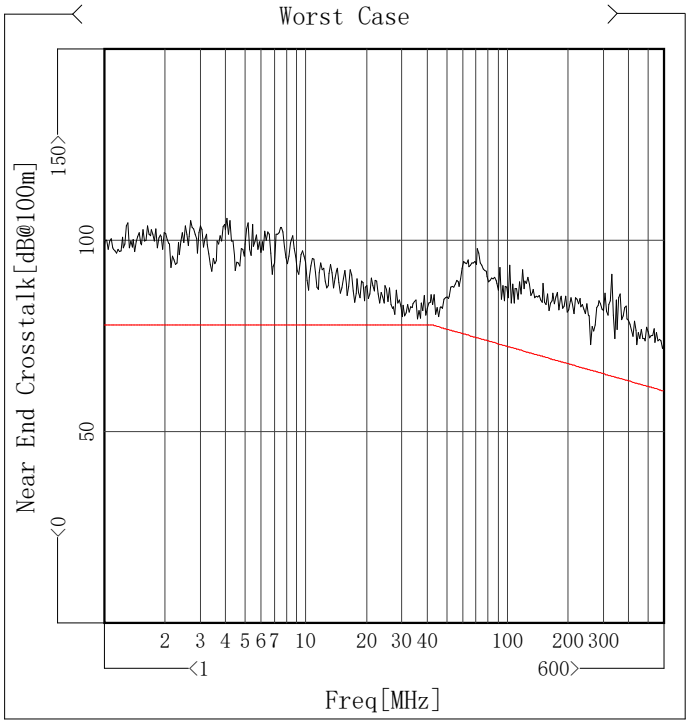


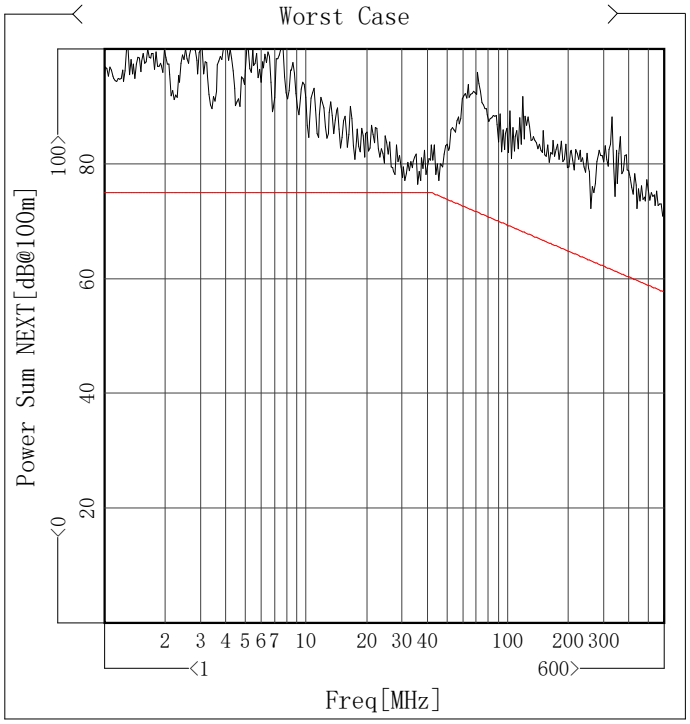


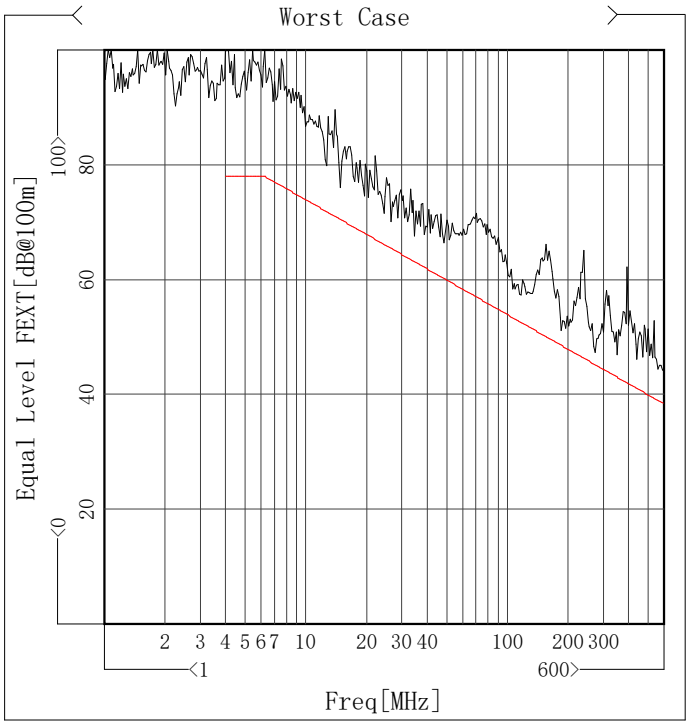


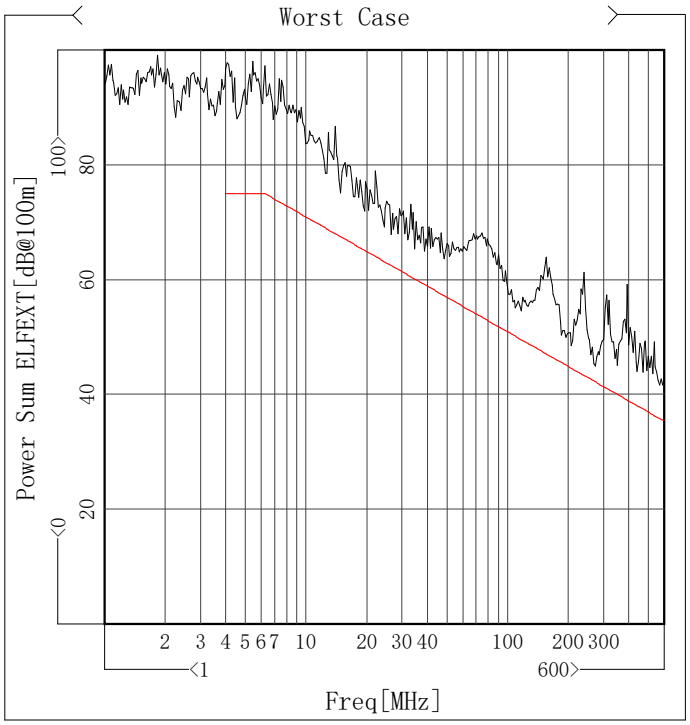
Worst Summary Of High Freq Parameter(2)

Item	Min	Freq[MHz]	Spec	Margin
✔ Near End Crosstalk[dB@100m	79.47	36.19	78.00	1.47
✔ Power Sum NEXT[dB@100m]	76.44	36.19	75.00	1.44
✔ Equal Level FEXT[dB@100m]	47.33	277.19	45.14	2.19
✔ Power Sum ELFEXT[dB@100m]	44.95	277.19	42.14	2.81



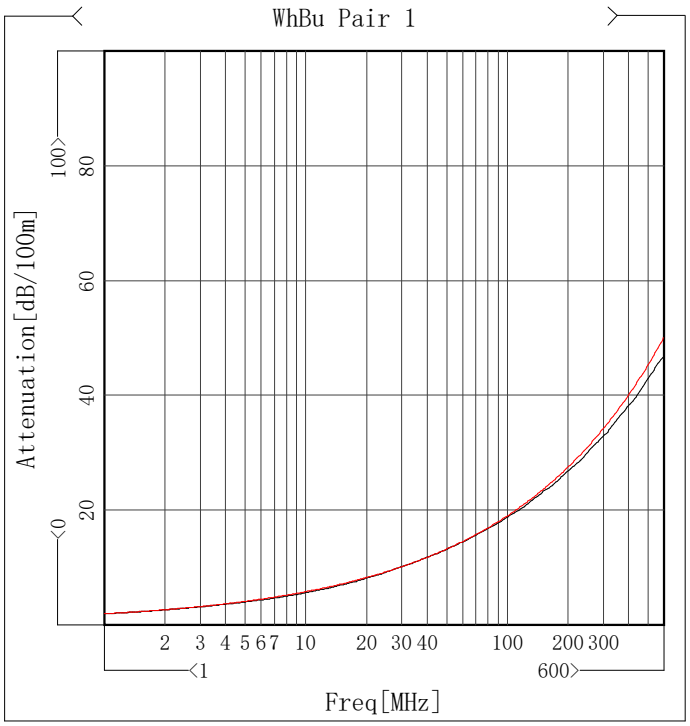


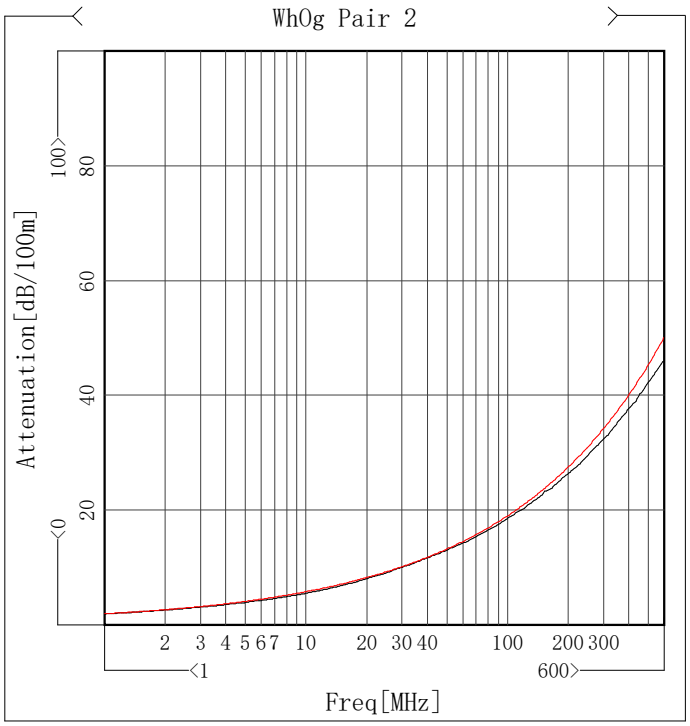


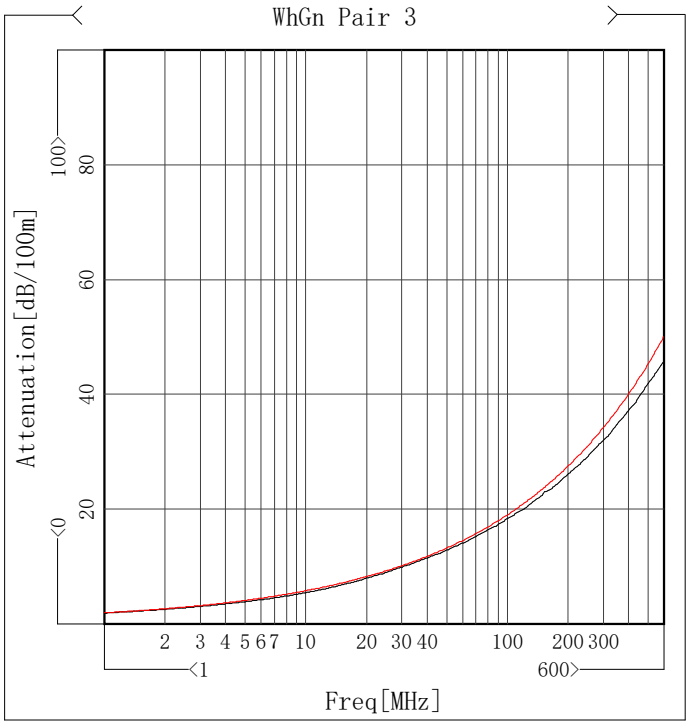


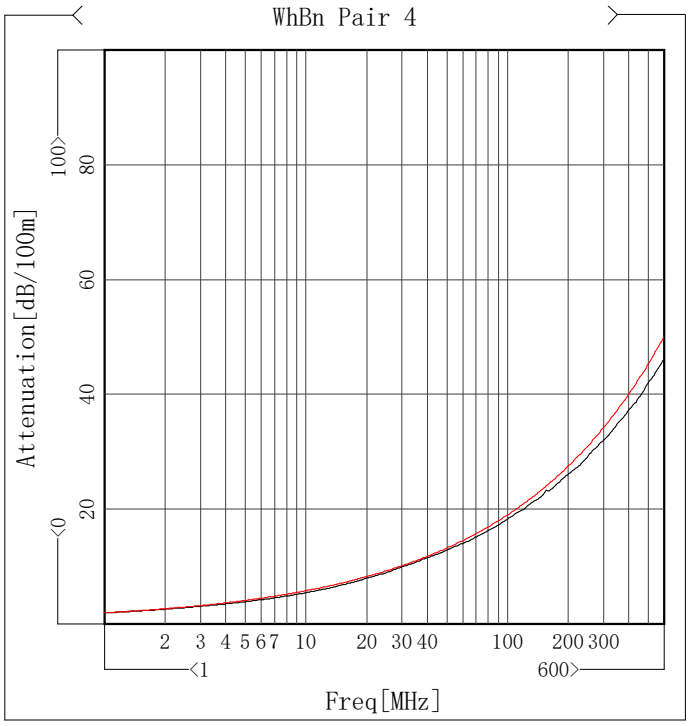
Attenuation

Item	Max [dB/100m]	Freq[MHz]	Spec [dB/100m]	Margin [dB/100m]
WhBu Pair 1	2.29	1.40	2.31	0.02
WhOg Pair 2	2.15	1.22	2.18	0.03
WhGn Pair 3	2.20	1.32	2.25	0.05
WhBn Pair 4	2.22	1.32	2.25	0.03



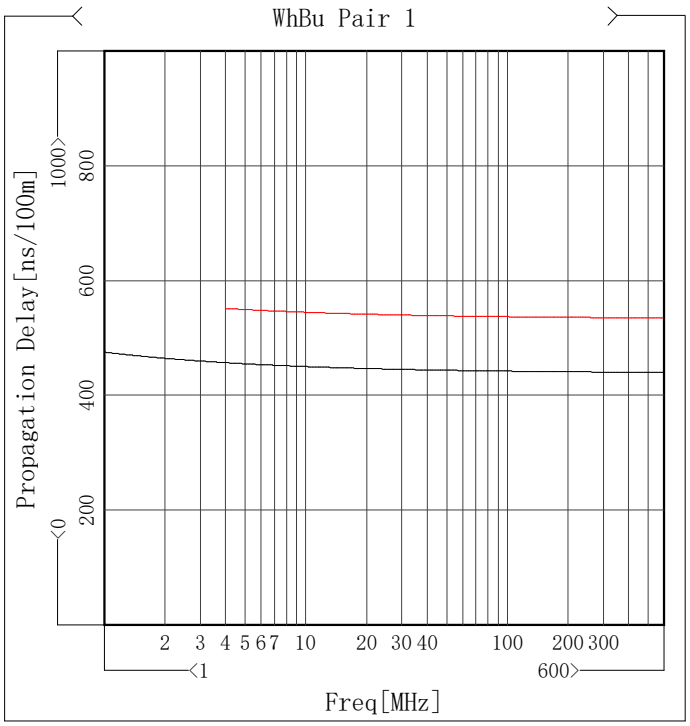


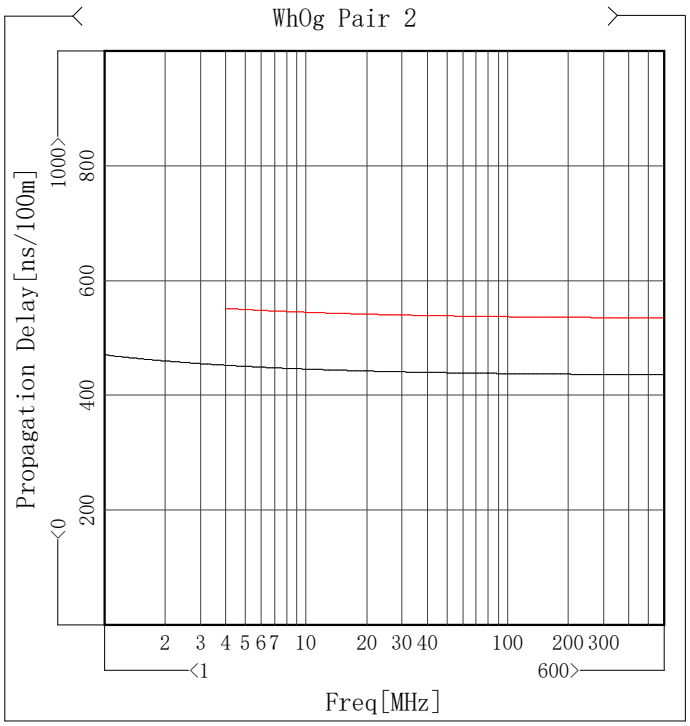


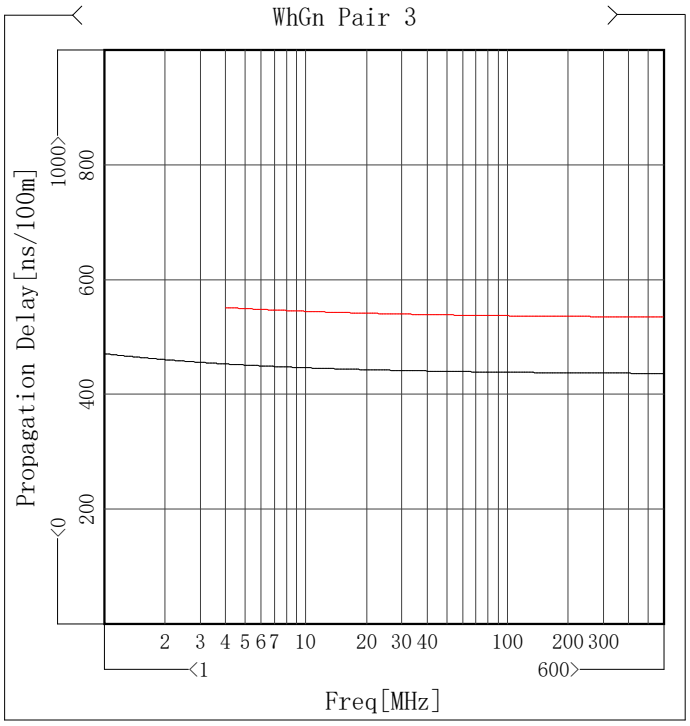


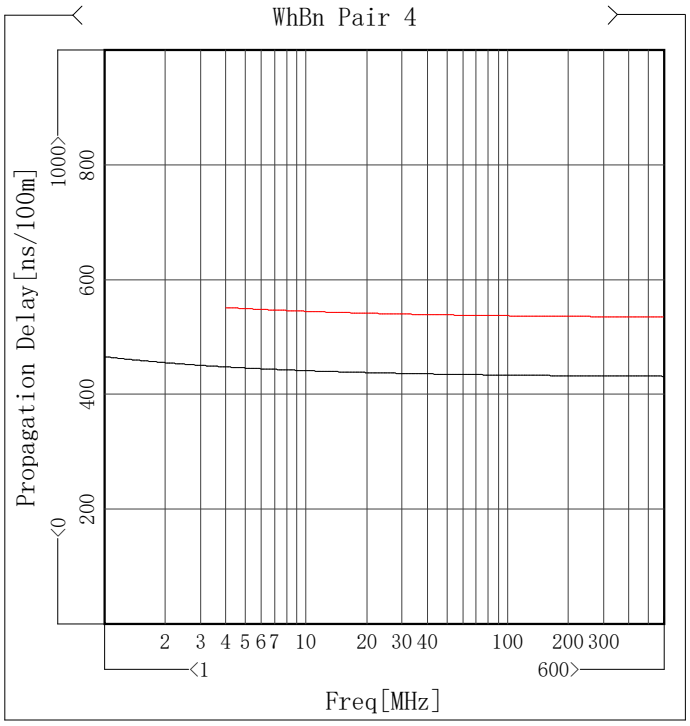
Propagation Delay

Item	Max [ns/100m]	Freq[MHz]	Spec [ns/100m]	Margin [ns/100m]
WhBu Pair 1	457.37	4.13	551.71	94.34
WhOg Pair 2	452.60	4.27	551.43	98.83
WhGn Pair 3	453.08	4.33	551.29	98.21
WhBn Pair 4	432.15	591.73	535.48	103.33



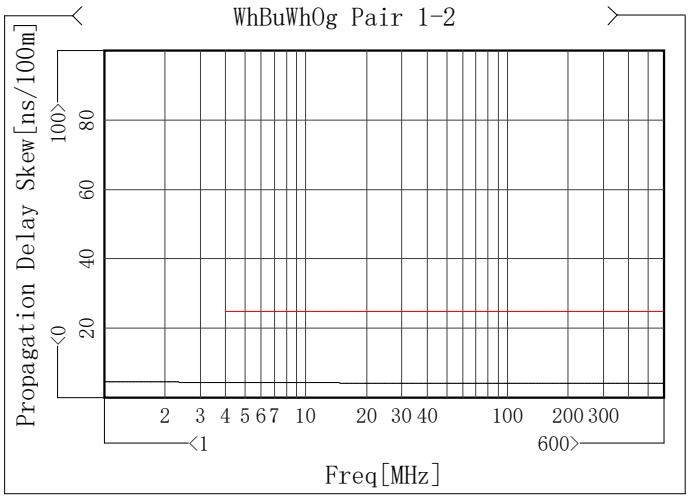


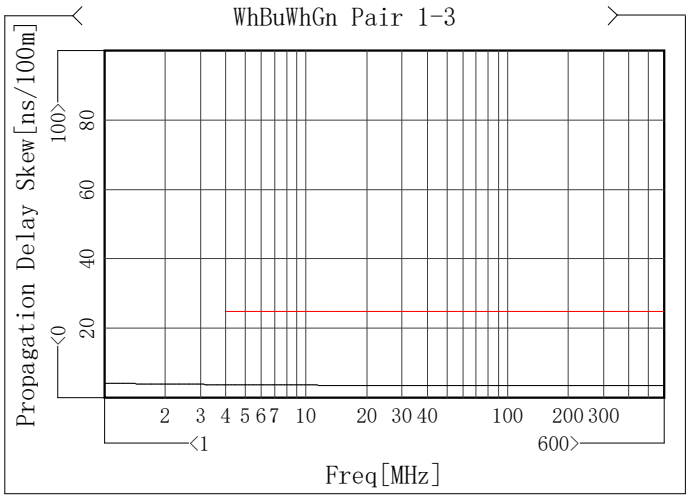


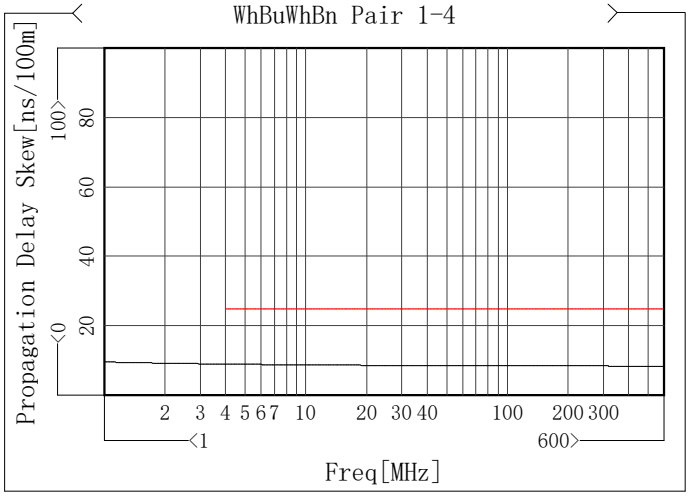


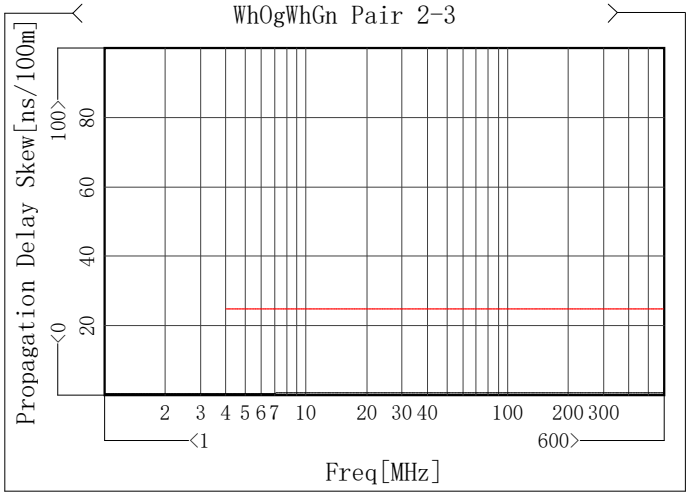
Propagation Delay Skew

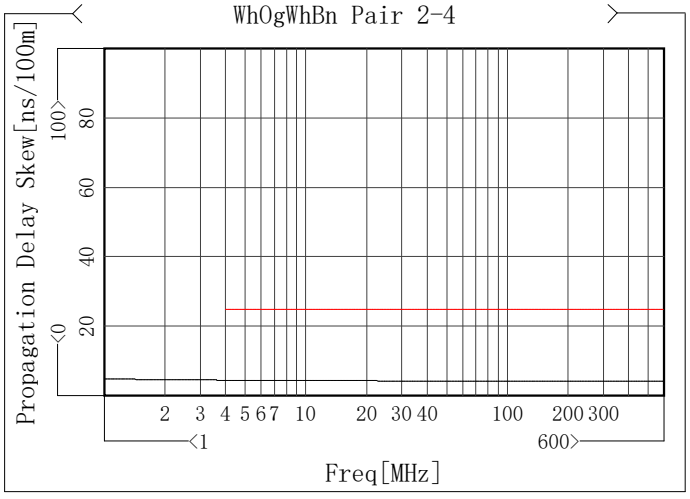
Item	Max [ns/100m]	Freq[MHz]	Spec [ns/100m]	Margin [ns/100m]
WhBuWhOg Pair 1-2	4.49	4.20	25.00	20.51
WhBuWhGn Pair 1-3	3.87	4.07	25.00	21.13
WhBuWhBn Pair 1-4	9.05	4.07	25.00	15.95
WhOgWhGn Pair 2-3	0.74	600.00	25.00	24.26
WhOgWhBn Pair 2-4	4.56	4.13	25.00	20.44
WhGnWhBn Pair 3-4	5.17	4.60	25.00	19.83

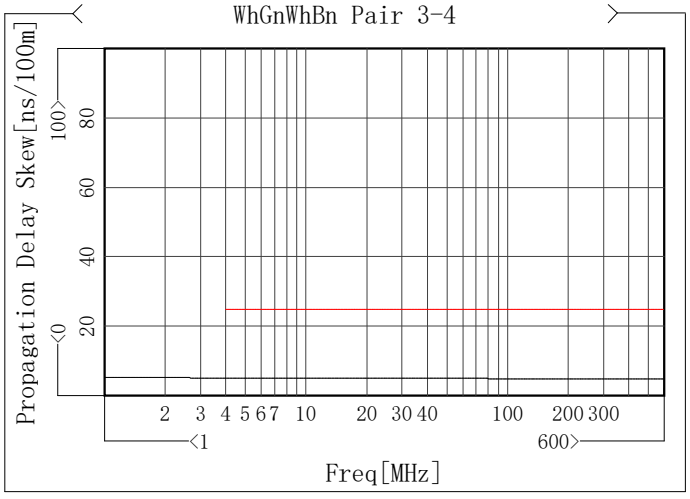






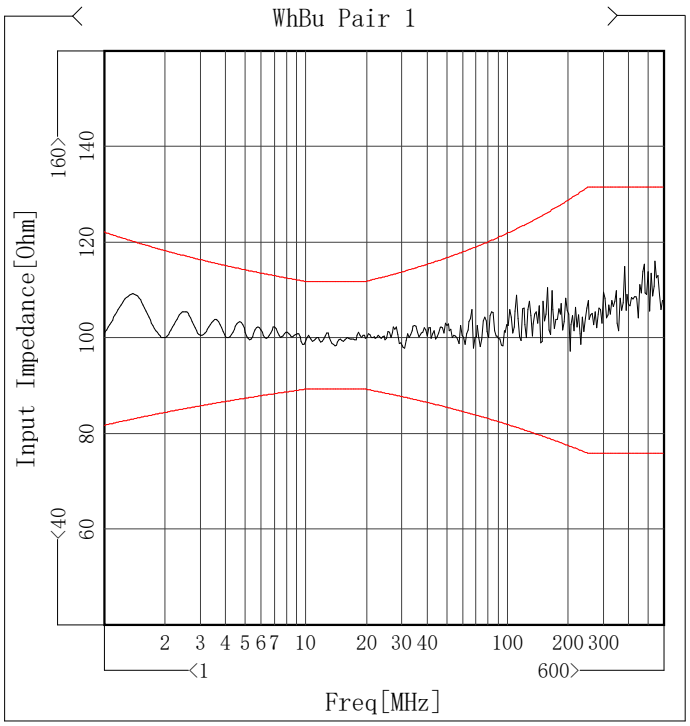


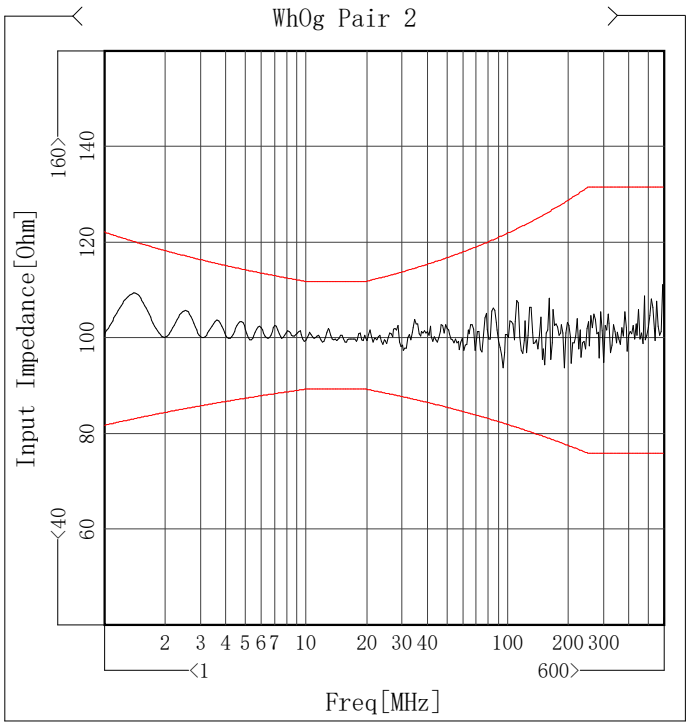


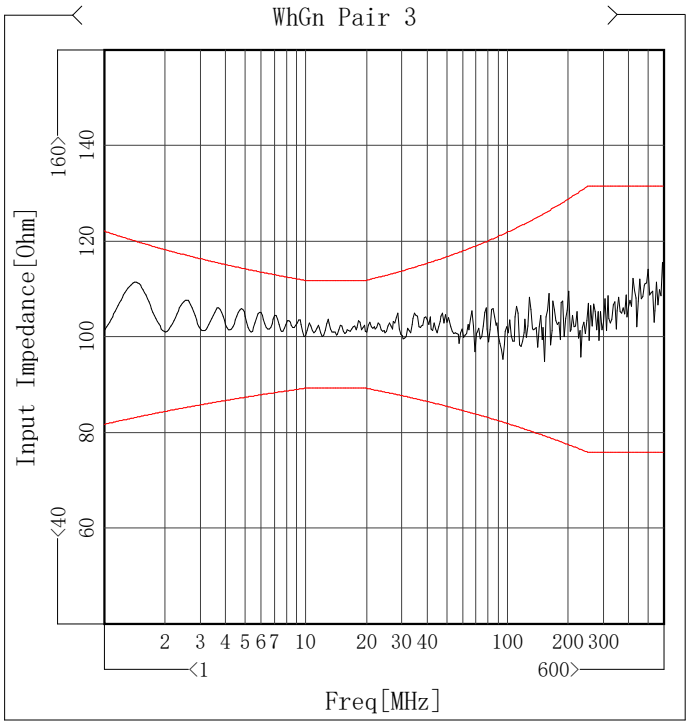


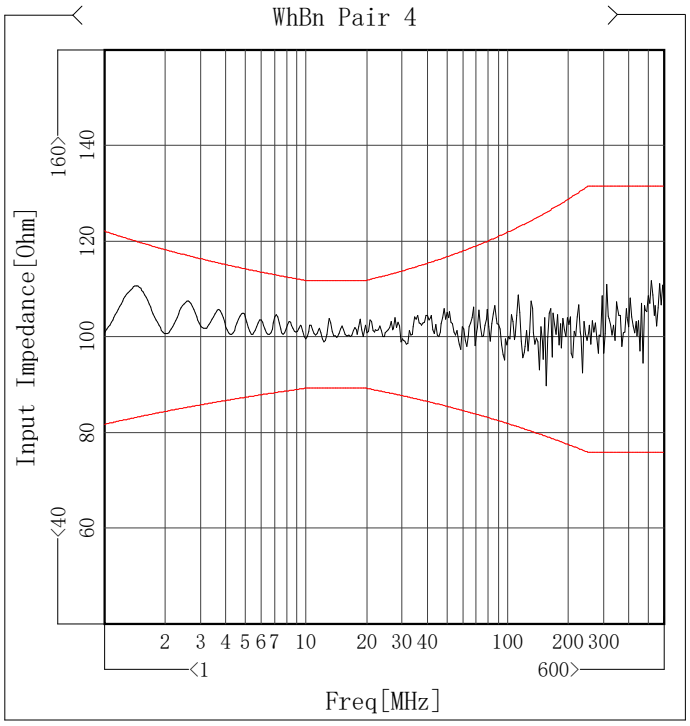
Input Impedance

Item	Max [Ohm]	Freq[MHz]	Spec [Ohm]	Margin [Ohm]	Min [Ohm]	Freq[MHz]	Spec [Ohm]	Margin [Ohm]
WhBu Pair 1	102.44	7.07	113.07	10.63	98.45	14.13	89.35	9.10
WhOg Pair 2	102.13	12.92	111.92	9.79	97.42	30.94	87.70	9.72
WhGn Pair 3	103.82	12.92	111.92	8.10	100.20	12.19	89.35	10.85
WhBn Pair 4	104.02	13.16	111.92	7.90	99.01	12.36	89.35	9.66



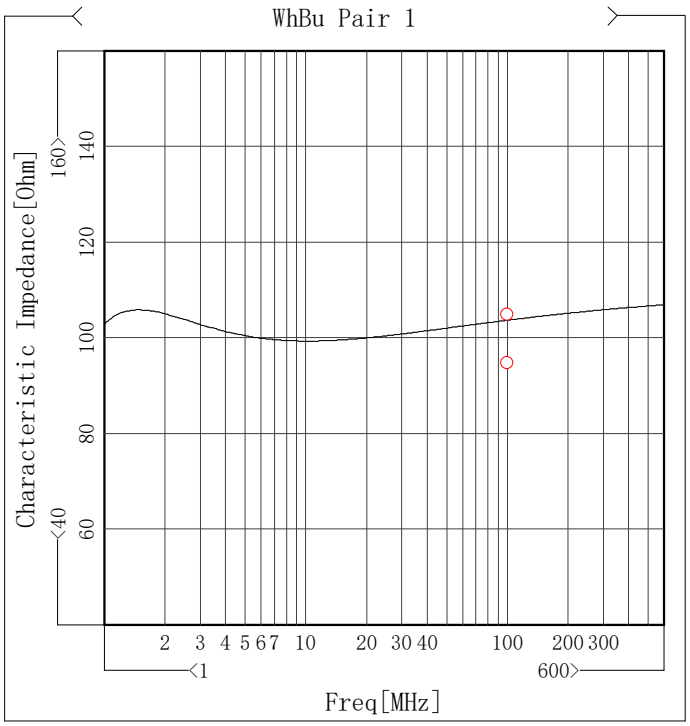


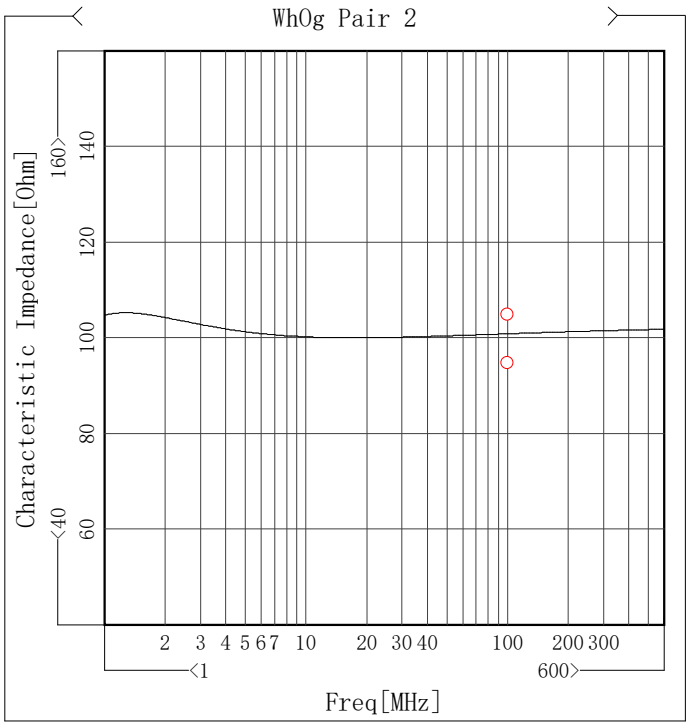


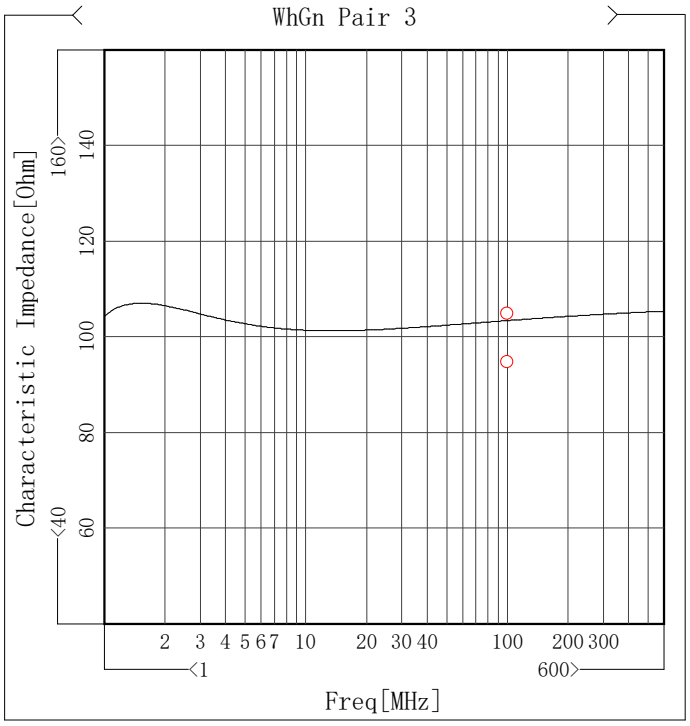


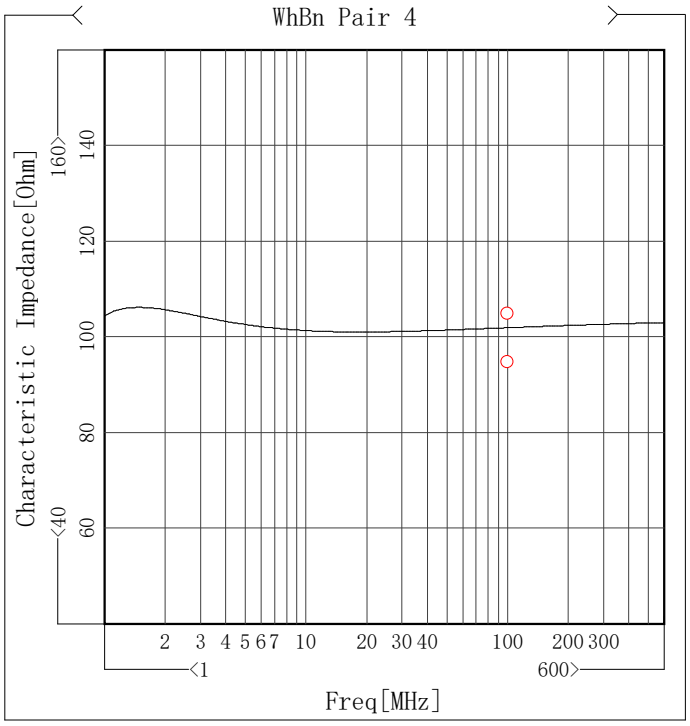
Characteristic Impedance

Item	Max [Ohm]	Freq[MHz]	Spec [Ohm]	Margin [Ohm]	Min [Ohm]	Freq[MHz]	Spec [Ohm]	Margin [Ohm]
WhBu Pair 1	103.76	100.00	105.00	1.24	103.76	100.00	95.00	8.76
WhOg Pair 2	100.93	100.00	105.00	4.07	100.93	100.00	95.00	5.93
WhGn Pair 3	103.48	100.00	105.00	1.52	103.48	100.00	95.00	8.48
WhBn Pair 4	102.00	100.00	105.00	3.00	102.00	100.00	95.00	7.00



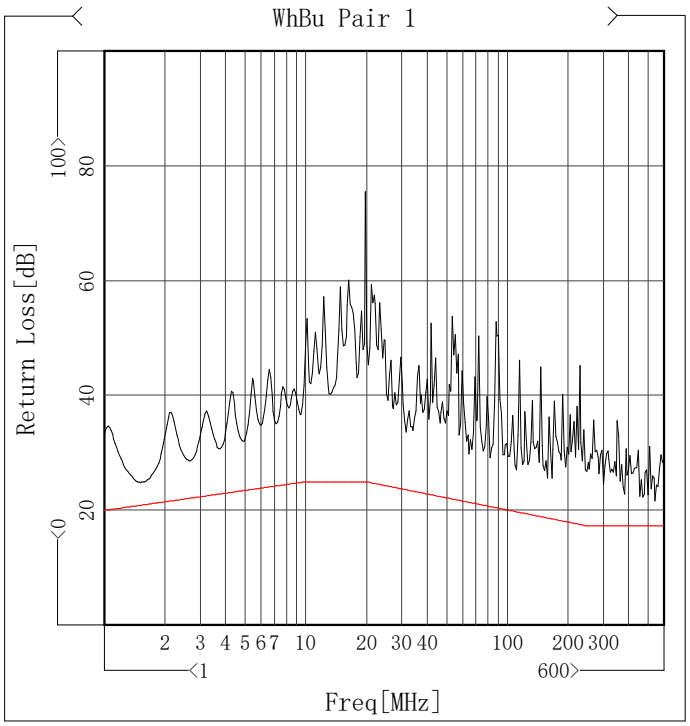


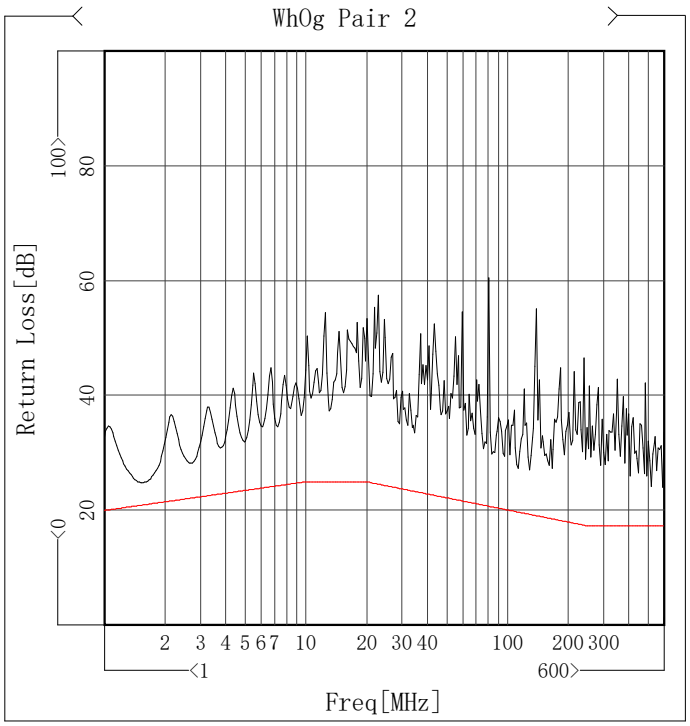


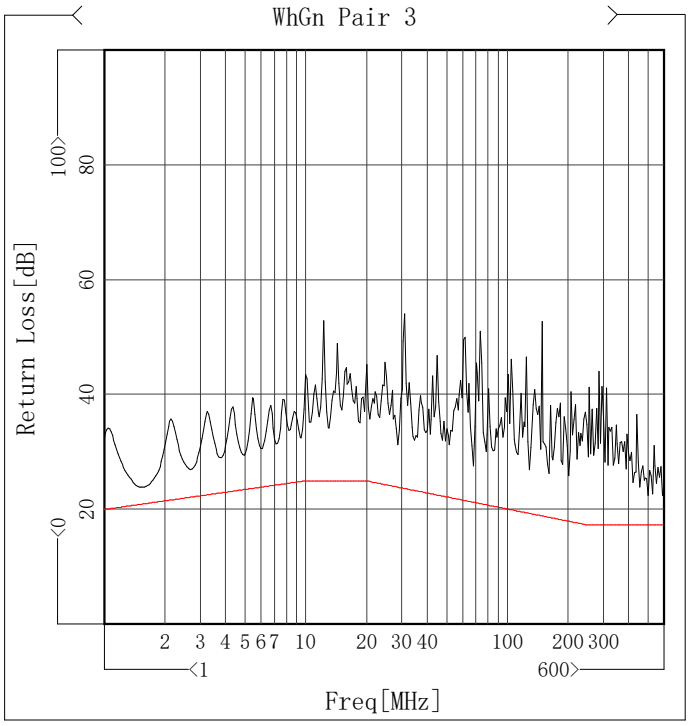


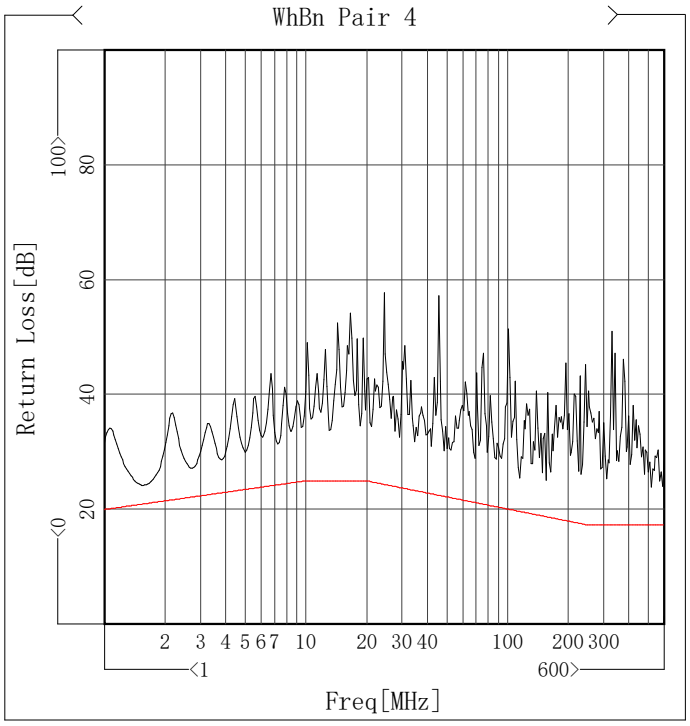
Return Loss

Item	Min [dB]	Freq[MHz]	Spec [dB]	Margin [dB]
WhBu Pair 1	24.90	1.56	20.96	3.94
WhOg Pair 2	24.85	1.58	21.00	3.85
WhGn Pair 3	23.87	1.58	21.00	2.87
WhBn Pair 4	24.25	1.61	21.03	3.22



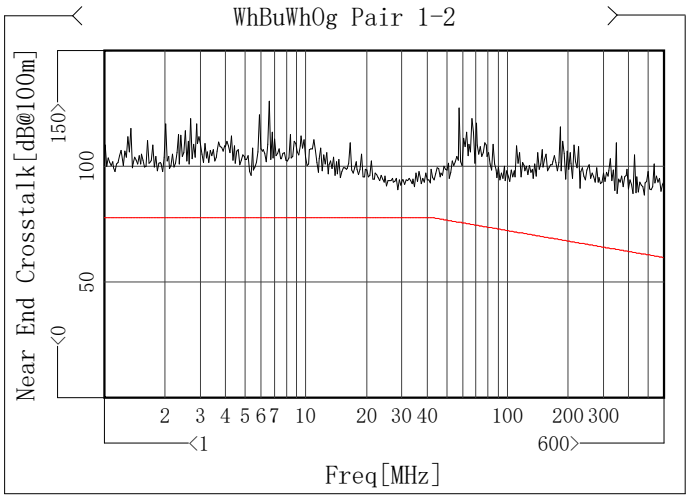


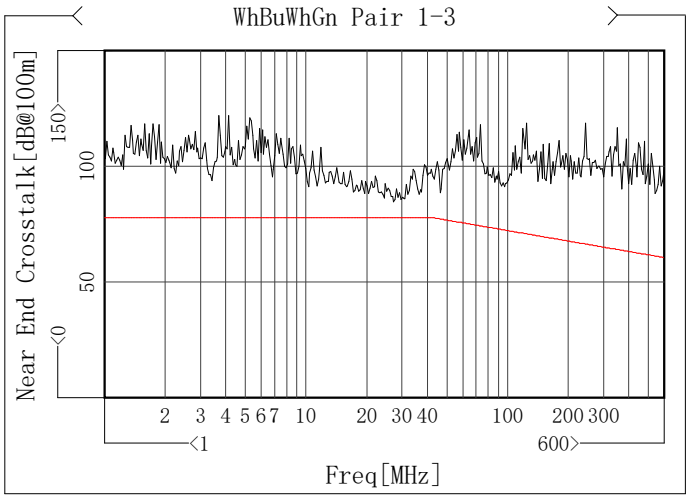


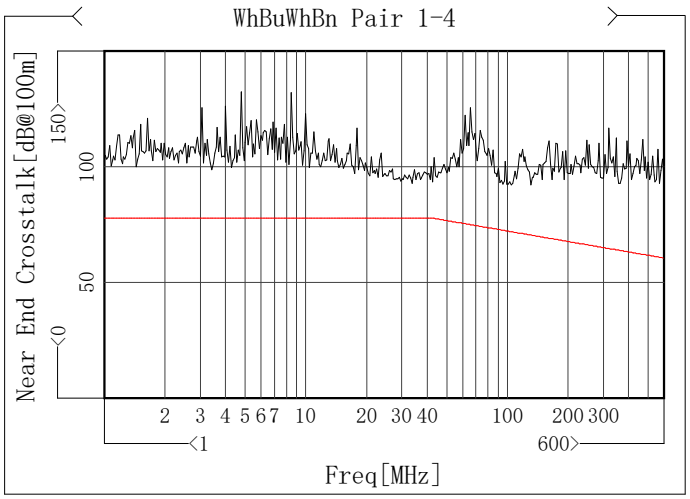


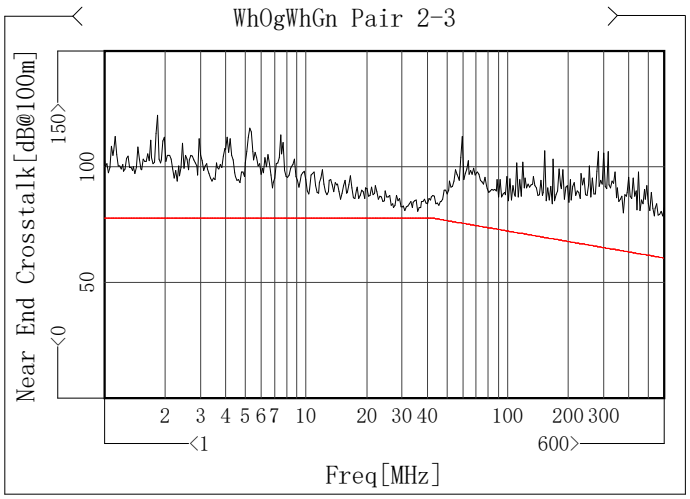
Near End Crosstalk

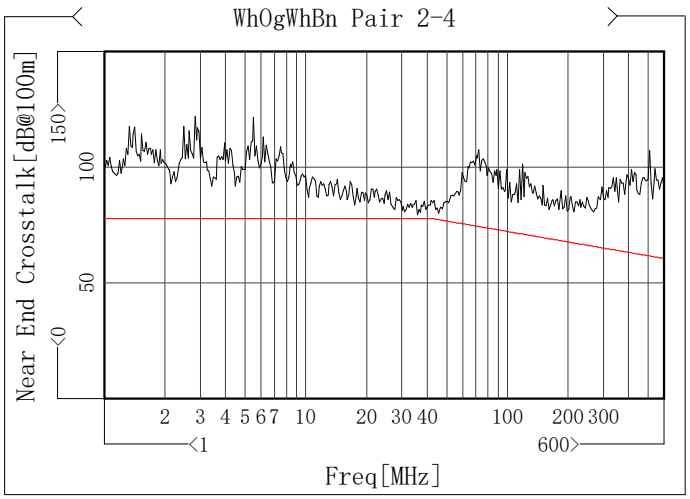
Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBuWhOg Pair 1-2	89.95	29.08	78.00	11.95
WhBuWhGn Pair 1-3	84.83	27.68	78.00	6.83
WhBuWhBn Pair 1-4	93.07	33.73	78.00	15.07
WhOgWhGn Pair 2-3	80.99	36.19	78.00	2.99
WhOgWhBn Pair 2-4	79.47	36.19	78.00	1.47
WhGnWhBn Pair 3-4	79.49	36.19	78.00	1.49

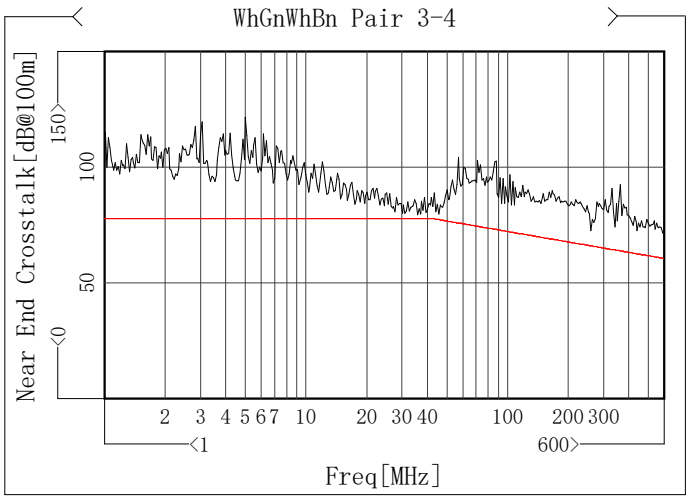






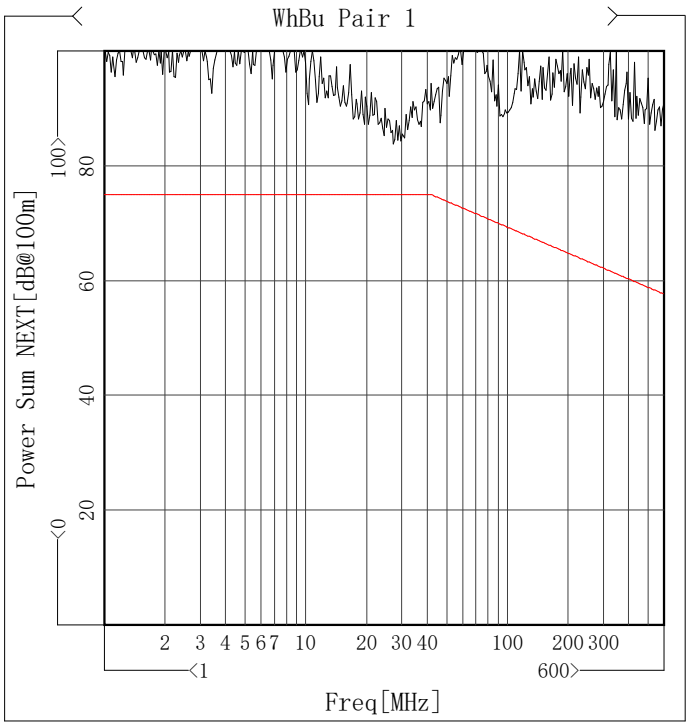


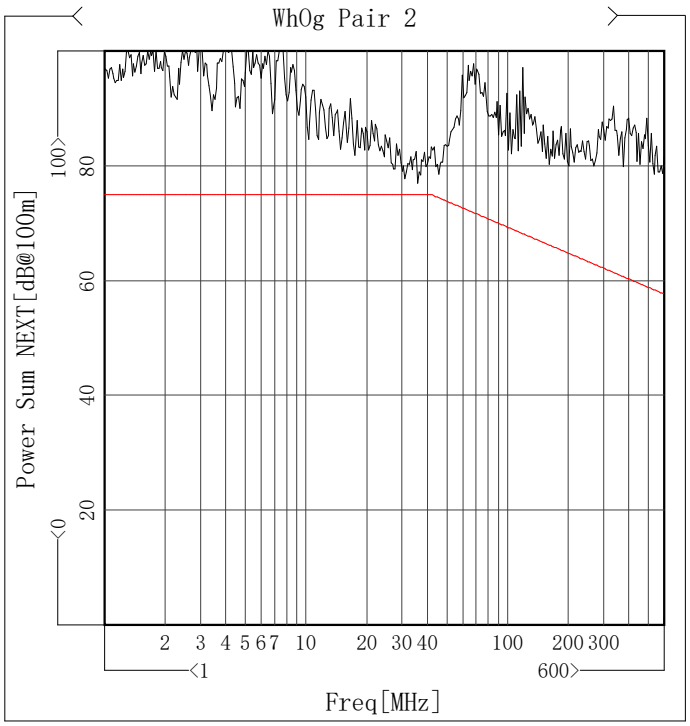


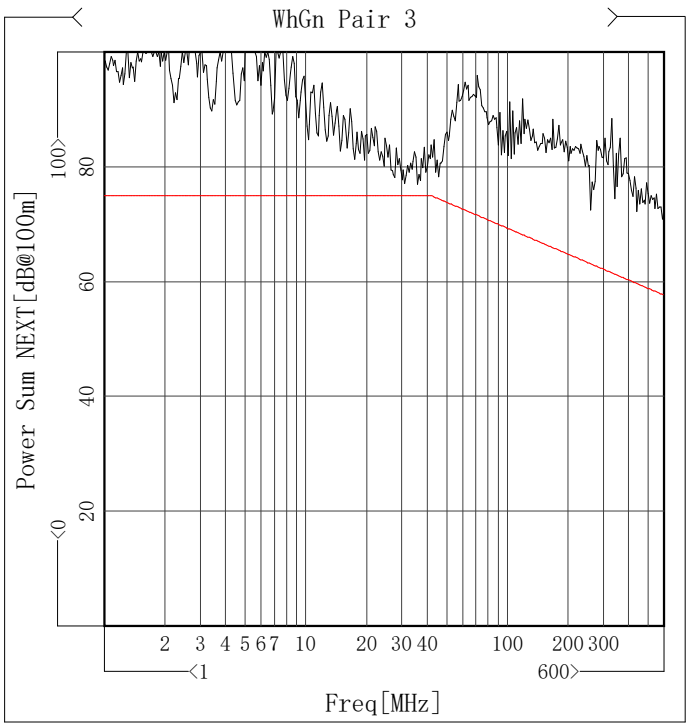


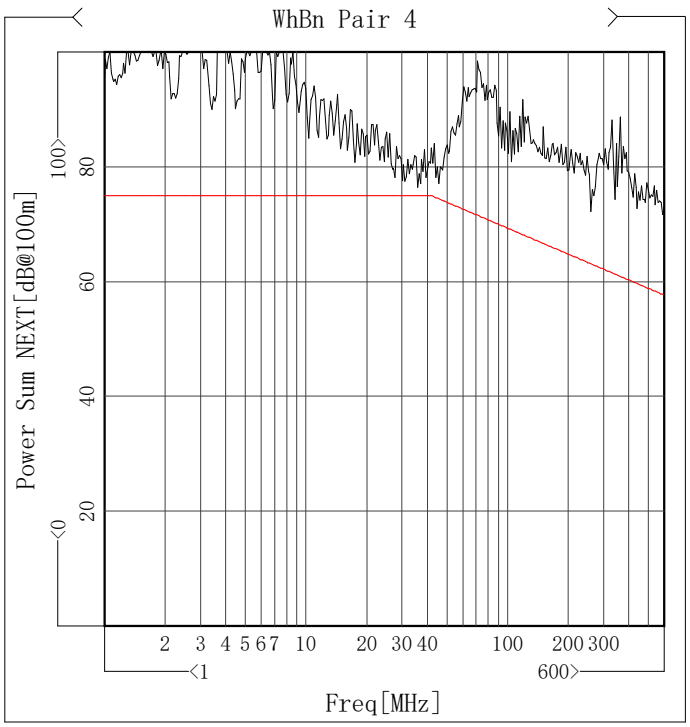
Power Sum NEXT

Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBu Pair 1	83.90	27.68	75.00	8.90
WhOg Pair 2	77.06	36.19	75.00	2.06
WhGn Pair 3	76.96	36.19	75.00	1.96
WhBn Pair 4	76.44	36.19	75.00	1.44



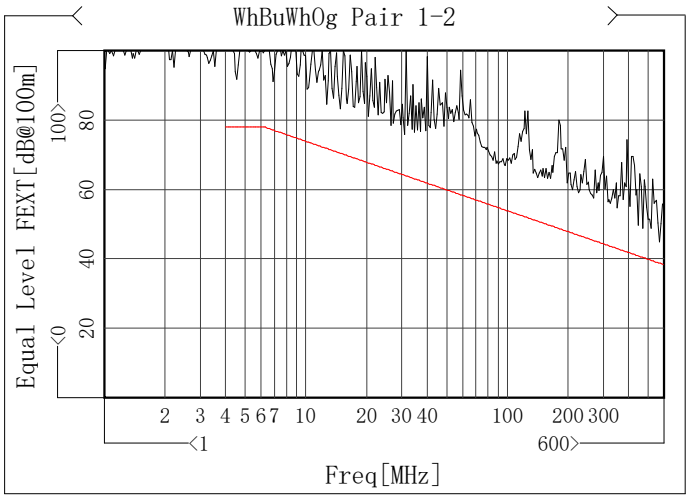


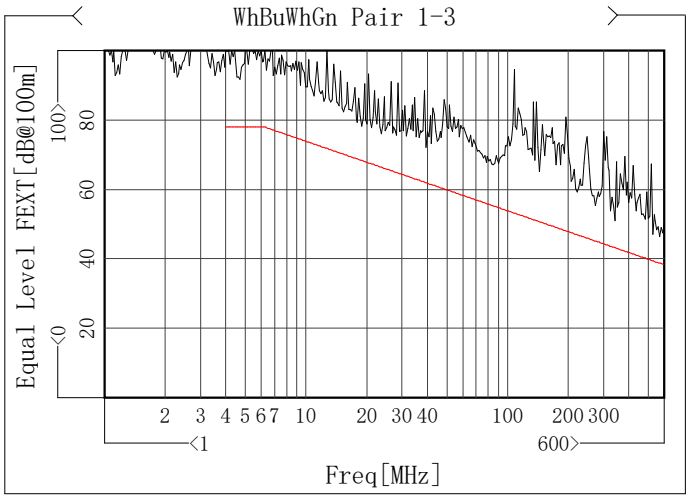


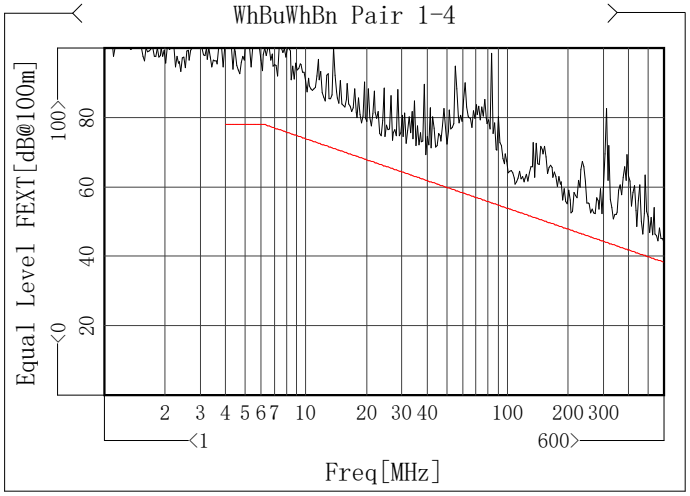


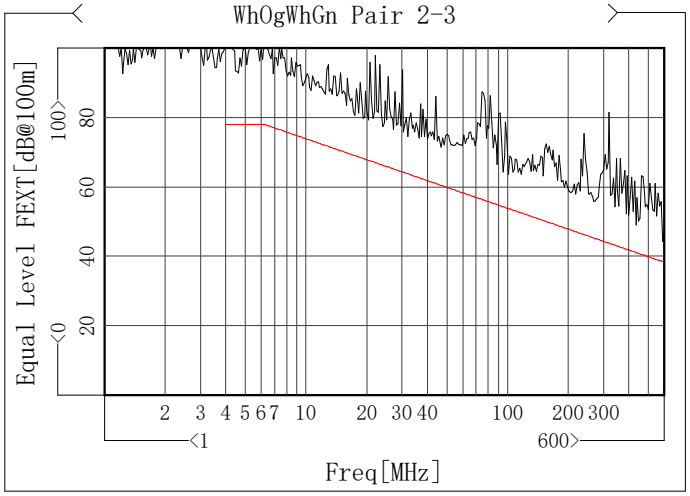
Equal Level FEXT

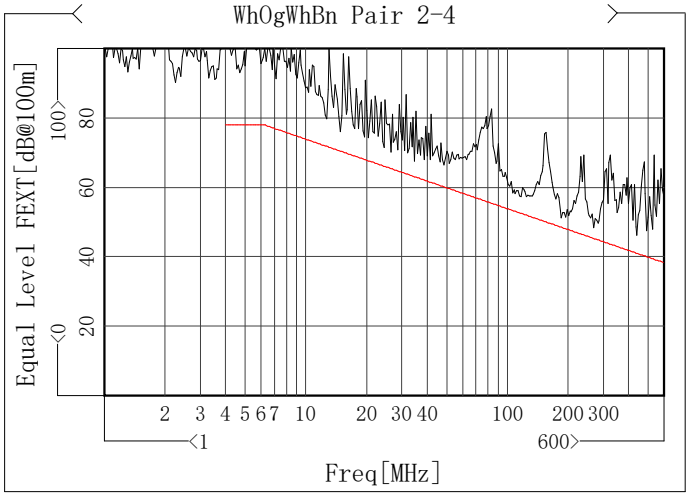
Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBuWhOg Pair 1-2	45.10	575.18	38.80	6.30
WhBuWhGn Pair 1-3	46.44	575.18	38.80	7.64
WhBuWhBn Pair 1-4	52.64	210.82	47.52	5.12
WhOgWhGn Pair 2-3	44.28	591.73	38.56	5.72
WhOgWhBn Pair 2-4	51.21	188.63	48.49	2.72
WhGnWhBn Pair 3-4	47.33	277.19	45.14	2.19

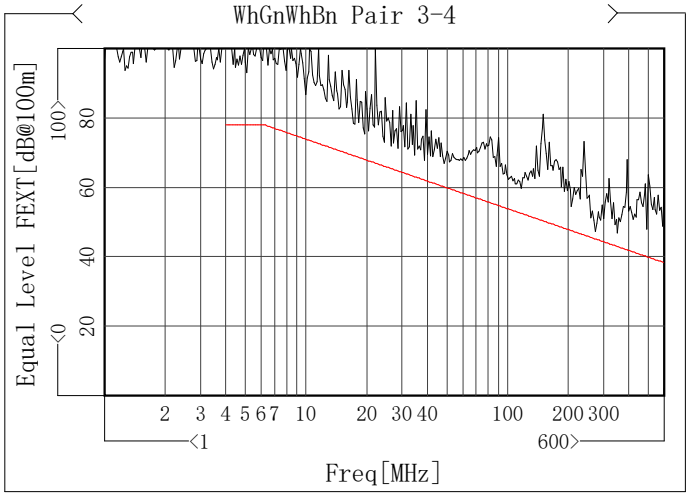






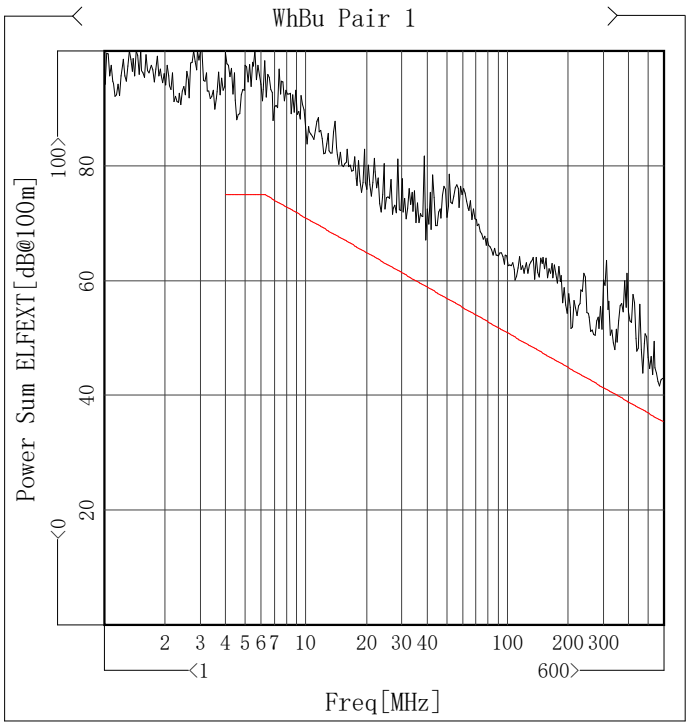


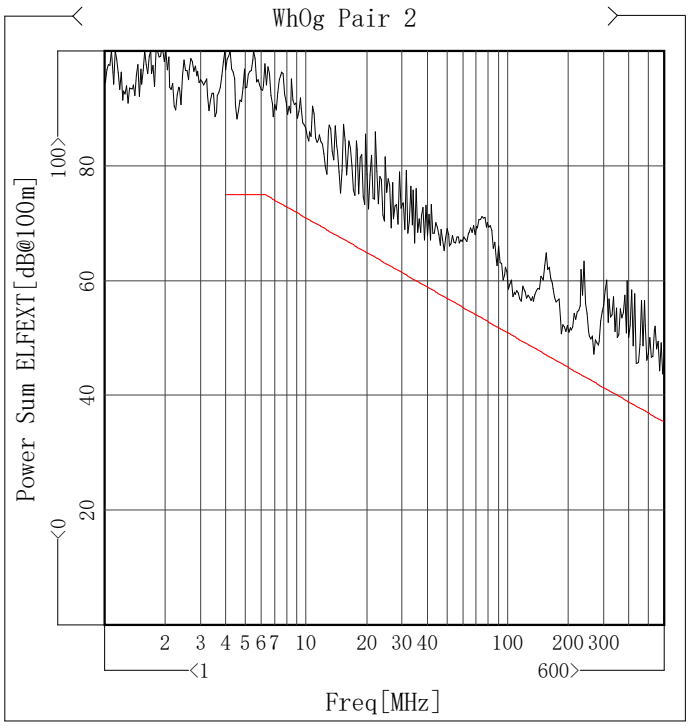


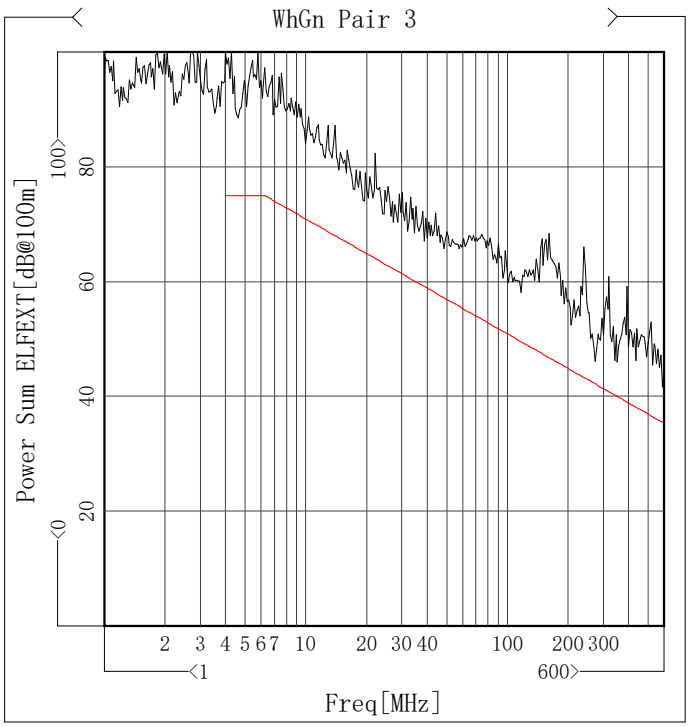


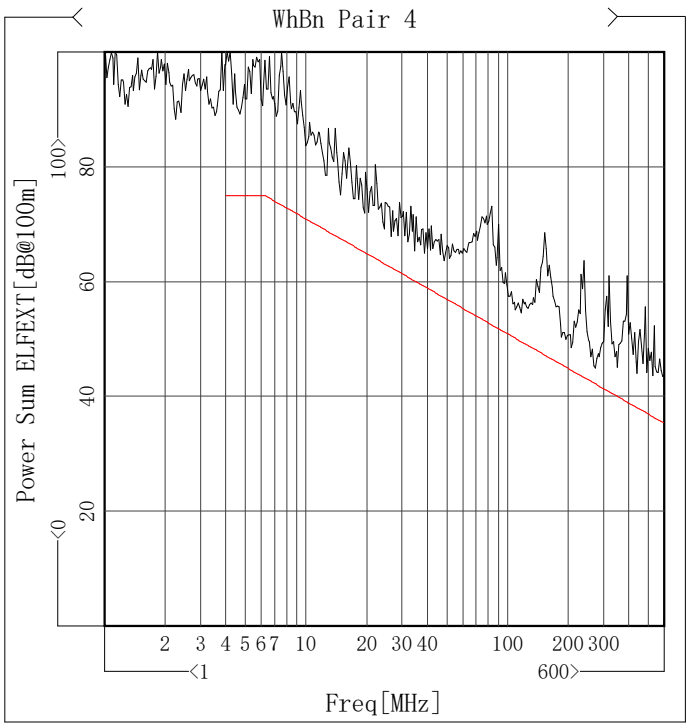
Power Sum ELFEXT

Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBu Pair 1	41.66	575.18	35.80	5.86
WhOg Pair 2	47.27	272.83	42.28	4.99
WhGn Pair 3	46.22	277.19	42.14	4.08
WhBn Pair 4	44.95	277.19	42.14	2.81









Attenuation[dB/100m]

No.	Freq [MHz]	Spec (Max)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	2.01	1.97 ↑	1.96	1.94	1.96
2	4	3.74	3.64 ↑	3.58	3.53	3.55
3	8	5.24	5.05 ↑	4.97	4.91	4.91
4	10	5.86	5.64 ↑	5.55	5.48	5.47
5	16	7.41	7.23 ↑	7.13	7.05	7.03
6	20	8.29	8.15 ↑	8.05	7.97	7.96
7	25	9.29	9.19 ↑	9.09	8.98	8.97
8	31.25	10.41	10.36 ↑	10.26	10.13	10.12
9	50	13.26	13.17 ↑	13.03	12.84	12.86
10	62.5	14.88	14.73 ↑	14.53	14.35	14.33
11	100	19.02	18.70 ↑	18.45	18.24	18.18
12	125	21.39	20.95 ↑	20.70	20.37	20.43
13	200	27.47	26.65 ↑	26.24	25.91	25.94
14	250	30.97	29.86 ↑	29.43	29.04	29.04
15	300	34.19	32.78 ↑	32.27	31.90	31.92
16	350	37.19	35.55 ↑	34.92	34.60	34.58
17	400	40.01	38.04 ↑	37.47	37.01	36.96
18	450	42.69	40.35 ↑	39.79	39.35	39.36
19	500	45.26	42.64 ↑	41.89	41.57	41.69
20	550	47.72	44.85 ↑	44.03	43.64	43.77
21	600	50.1	46.90 ↑	46.09	45.77	46.11

Propagation Delay[ns/100m]

No.	Freq [MHz]	Spec (Max)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	\	476.02 ↑	471.25	471.74	466.35
2	4	552	457.66 ↑	453.17	453.79	448.60
3	8	546.73	452.23 ↑	447.82	448.48	443.36
4	10	545.38	450.82 ↑	446.43	447.10	442.00
5	16	543	448.38 ↑	444.03	444.71	439.64
6	20	542.05	447.41 ↑	443.07	443.76	438.70
7	25	541.2	446.49 ↑	442.16	442.86	437.81
8	31.25	540.44	445.74 ↑	441.42	442.13	437.09
9	50	539.09	444.34 ↑	440.05	440.76	435.74
10	62.5	538.55	443.78 ↑	439.50	440.21	435.20
11	100	537.6	442.81 ↑	438.55	439.27	434.26
12	125	537.22	442.41 ↑	438.15	438.87	433.87
13	200	536.55	441.73 ↑	437.48	438.21	433.21
14	250	536.28	441.45 ↑	437.20	437.93	432.94
15	300	536.08	441.24 ↑	437.00	437.73	432.74
16	350	535.92	441.09 ↑	436.84	437.58	432.59
17	400	535.8	440.96 ↑	436.72	437.45	432.47
18	450	535.7	440.85 ↑	436.61	437.34	432.36
19	500	535.61	440.76 ↑	436.53	437.26	432.28
20	550	535.54	440.69 ↑	436.45	437.19	432.21
21	600	535.47	440.61 ↑	436.37	437.11	432.13

Propagation 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	\	4.77	4.27	9.67 ↑	0.49	4.91	5.40
2	4	25	4.49	3.87	9.05 ↑	0.62	4.56	5.18
3	8	25	4.41	3.75	8.87 ↑	0.66	4.46	5.12
4	10	25	4.39	3.72	8.82 ↑	0.67	4.43	5.10
5	16	25	4.35	3.67	8.74 ↑	0.69	4.39	5.07
6	20	25	4.34	3.65	8.71 ↑	0.69	4.37	5.06
7	25	25	4.32	3.63	8.68 ↑	0.70	4.35	5.05
8	31.25	25	4.31	3.61	8.65 ↑	0.70	4.34	5.04
9	50	25	4.29	3.58	8.60 ↑	0.71	4.31	5.02
10	62.5	25	4.28	3.57	8.58 ↑	0.72	4.30	5.02
11	100	25	4.27	3.55	8.55 ↑	0.72	4.28	5.01
12	125	25	4.26	3.54	8.54 ↑	0.73	4.27	5.00
13	200	25	4.25	3.52	8.52 ↑	0.73	4.26	4.99
14	250	25	4.25	3.52	8.51 ↑	0.73	4.26	4.99
15	300	25	4.25	3.51	8.50 ↑	0.73	4.25	4.99
16	350	25	4.24	3.51	8.49 ↑	0.74	4.25	4.99
17	400	25	4.24	3.50	8.49 ↑	0.74	4.25	4.98
18	450	25	4.24	3.50	8.49 ↑	0.74	4.25	4.98
19	500	25	4.24	3.50	8.48 ↑	0.74	4.24	4.98
20	550	25	4.24	3.50	8.48 ↑	0.74	4.24	4.98
21	600	25	4.24	3.50	8.48 ↑	0.74	4.24	4.98

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	100.96	100.86 ↓	101.46 ↑	101.02
2	4	115.22	86.79	100.80 ↓	101.14	103.49 ↑	103.15
3	8	112.64	88.78	101.01	100.74 ↓	102.19 ↑	101.19
4	10	111.92	89.35	99.08 ↓	99.41	100.31 ↑	99.88
5	16	111.92	89.35	99.91	99.18 ↓	101.04 ↑	100.35
6	20	111.92	89.35	100.30 ↓	100.31	101.78	102.23 ↑
7	25	112.95	88.54	99.81	99.30 ↓	101.00 ↑	100.98
8	31.25	114.07	87.66	98.02	97.77 ↓	99.79 ↑	99.30
9	50	116.8	85.62	103.12	102.76 ↓	104.39 ↑	104.09
10	62.5	118.29	84.54	99.53	98.67 ↓	100.62 ↑	98.89
11	100	121.92	82.02	101.72 ↑	100.79	101.59	99.30 ↓
12	125	123.91	80.7	100.68	98.41 ↓	100.81 ↑	100.67
13	200	128.8	77.64	106.86 ↑	102.41 ↓	105.00	102.42
14	250	131.51	76.04	105.87 ↑	101.08	102.88	99.63 ↓
15	300	131.6	75.99	104.60	100.08 ↓	101.93	106.01 ↑
16	350	131.6	75.99	109.31 ↑	99.62 ↓	103.21	105.32
17	400	131.6	75.99	109.08 ↑	97.46 ↓	104.31	103.94
18	450	131.6	75.99	104.73	105.38	106.87 ↑	103.09 ↓
19	500	131.6	75.99	109.16	100.61 ↓	111.39 ↑	105.35
20	550	131.6	75.99	115.87 ↑	99.59 ↓	105.47	106.59
21	600	131.6	75.99	107.94	102.97 ↓	110.02 ↑	107.60

Characteristic Impedance[Ohm]

No.	Freq [MHz]	Spec (Max)	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	\	\	102.75 ↓	104.74 ↑	104.24	104.45
2	4	\	\	101.47 ↓	102.00	103.66 ↑	103.38
3	8	\	\	99.55 ↓	100.55	101.75 ↑	101.71
4	10	\	\	99.42 ↓	100.31	101.49 ↑	101.42
5	16	\	\	99.72 ↓	100.11	101.39 ↑	101.14
6	20	\	\	100.06 ↓	100.11	101.50 ↑	101.13
7	25	\	\	100.49	100.16 ↓	101.69 ↑	101.17
8	31.25	\	\	100.98	100.25 ↓	101.92 ↑	101.25
9	50	\	\	102.10	100.50 ↓	102.52 ↑	101.52
10	62.5	\	\	102.64	100.63 ↓	102.83 ↑	101.67
11	100	105	95	103.76 ↑	100.93 ↓	103.48	102.00
12	125	\	\	104.26 ↑	101.07 ↓	103.78	102.16
13	200	\	\	105.22 ↑	101.35 ↓	104.37	102.48
14	250	\	\	105.63 ↑	101.48 ↓	104.62	102.62
15	300	\	\	105.95 ↑	101.57 ↓	104.81	102.72
16	350	\	\	106.20 ↑	101.65 ↓	104.97	102.81
17	400	\	\	106.41 ↑	101.71 ↓	105.10	102.88
18	450	\	\	106.58 ↑	101.76 ↓	105.21	102.94
19	500	\	\	106.73 ↑	101.81 ↓	105.30	103.00
20	550	\	\	106.86 ↑	101.85 ↓	105.38	103.04
21	600	\	\	106.97 ↑	101.89 ↓	105.45	103.08

Return Loss[dB]

No.	Freq [MHz]	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	20	33.16	32.86	32.33	31.64 ↓
2	4	23.01	32.45	31.94	30.11	29.33 ↓
3	8	24.52	40.55	43.00	38.34 ↓	40.89
4	10	25	45.36	42.18	40.62	38.48 ↓
5	16	25	49.89	43.82	44.60	43.29 ↓
6	20	25	64.78	47.62	38.89	38.69 ↓
7	25	24.32	47.41	48.41	45.08 ↓	46.33
8	31.25	23.64	36.58 ↓	37.84	52.49	47.28
9	50	22.21	35.69	36.91	32.40 ↓	33.75
10	62.5	21.54	34.21 ↓	36.60	46.51	41.50
11	100	20.11	31.53 ↓	34.14	38.77	38.06
12	125	19.43	33.30 ↓	35.14	43.99	37.52
13	200	18	29.61 ↓	34.39	32.34	38.74
14	250	17.32	26.86 ↓	33.17	35.36	36.94
15	300	17.3	29.10 ↓	34.59	40.22	29.14
16	350	17.3	26.72 ↓	35.50	33.13	33.50
17	400	17.3	26.21 ↓	33.33	32.93	31.17
18	450	17.3	30.09	26.81 ↓	29.34	34.06
19	500	17.3	27.06	27.37	25.42 ↓	30.04
20	550	17.3	21.80 ↓	32.84	27.73	29.25
21	600	17.3	28.25	33.65	24.58 ↓	28.57

Near End Crosstalk[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	100.45	111.55	102.46	102.92	101.16	98.67 ↓
2	4	78	109.04	106.44	105.12 ↓	107.92	110.20	105.49
3	8	78	105.02	99.87	113.44	97.70 ↓	97.89	100.45
4	10	78	107.65	100.81	115.32	96.32	96.21 ↓	99.47
5	16	78	98.86	91.63	102.29	90.07 ↓	90.20	90.83
6	20	78	97.43	91.55	100.47	89.18	87.79	86.38 ↓
7	25	78	94.83	91.89	96.86	89.03	88.61	88.48 ↓
8	31.25	78	92.97	86.31	96.03	81.75	81.63	81.50 ↓
9	50	76.92	98.79	102.19	98.80	89.61	85.14 ↓	88.39
10	62.5	75.46	110.98	106.35	117.57	97.86	94.08 ↓	98.01
11	100	72.4	95.13	92.65	99.51	90.44	92.88	90.43 ↓
12	125	70.95	99.59	116.35	101.22	91.81	95.72	88.99 ↓
13	200	67.88	101.57	104.17	101.48	91.64	84.00 ↓	84.71
14	250	66.43	97.56	106.96	109.05	87.91	85.95	82.87 ↓
15	300	65.24	94.22	98.45	95.16	95.59	90.51	82.08 ↓
16	350	64.24	104.65	107.15	108.14	89.78	93.98	81.79 ↓
17	400	63.37	98.54	99.89	110.82	89.40	96.76	79.50 ↓
18	450	62.6	89.91	108.45	102.90	95.95	88.95	75.59 ↓
19	500	61.92	93.55	95.56	96.10	91.41	94.28	77.16 ↓
20	550	61.29	93.39	88.61	93.64	82.10	99.30	73.61 ↓
21	600	60.73	93.70	98.98	95.88	82.57	91.81	73.19 ↓

Power Sum NEXT[dB@100m]

No.	Freq [MHz]	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	75	98.13	96.62	97.13	95.70 ↓
2	4	75	101.54	104.14	101.73	101.26 ↓
3	8	75	98.22	94.39	94.34 ↓	95.77
4	10	75	99.32	92.94 ↓	93.66	94.21
5	16	75	90.57	86.78	85.95 ↓	87.34
6	20	75	90.11	85.14	83.74 ↓	83.92
7	25	75	89.25	85.18	84.72 ↓	85.21
8	31.25	75	85.07	78.52	77.90 ↓	78.46
9	50	73.92	94.87	83.67	85.78	83.32 ↓
10	62.5	72.46	104.18	92.46 ↓	94.34	92.47
11	100	69.4	89.68	87.57	85.71 ↓	87.27
12	125	67.95	97.06	89.76	87.10 ↓	87.92
13	200	64.88	95.22	82.86	83.85	81.09 ↓
14	250	63.43	96.31	83.53	81.64	81.11 ↓
15	300	62.24	90.66	87.37	81.69	81.27 ↓
16	350	61.24	100.10	86.28	80.32 ↓	81.51
17	400	60.37	96.00	88.05	79.02 ↓	79.42
18	450	59.6	89.31	85.04	75.50	75.38 ↓
19	500	58.92	90.02	88.06	76.94 ↓	77.01
20	550	58.29	86.43	81.69	72.88 ↓	73.55
21	600	57.73	90.91	81.79	72.70 ↓	73.10

Equal Level 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	\	98.57	104.39	105.77	105.32	99.42	97.13 ↓
2	4	78	107.23	95.86 ↓	100.57	108.22	102.08	109.25
3	8	75.94	99.09	94.31 ↓	99.22	96.17	96.38	95.61
4	10	74	98.68	91.68	91.84	90.85	89.80	88.95 ↓
5	16	69.92	89.25	84.64	84.82	84.42	82.90 ↓	84.41
6	20	67.98	91.84	84.40	84.24	84.67	84.30	82.80 ↓
7	25	66.04	90.30	77.24	75.36 ↓	83.59	83.58	84.29
8	31.25	64.1	77.40	81.93	79.24	77.37	73.87	73.75 ↓
9	50	60.02	87.11	82.30	76.24	74.87	68.83 ↓	68.95
10	62.5	58.08	81.70	76.08	87.58	73.10	68.61	68.14 ↓
11	100	54	67.64	72.63	68.98	77.21	63.87 ↓	65.76
12	125	52.06	77.47	77.00	63.35	67.14	57.77 ↓	63.57
13	200	47.98	66.22	77.96	55.52	60.80	52.78 ↓	60.50
14	250	46.04	63.19	74.76	56.91	65.40	56.06 ↓	58.77
15	300	44.46	66.14	64.60	54.29	64.42	55.84	54.10 ↓
16	350	43.12	60.81	63.53	52.14	64.62	56.53	50.44 ↓
17	400	41.96	73.88	61.98 ↓	69.01	62.74	62.58	67.35
18	450	40.94	51.01 ↓	57.55	55.15	51.09	51.34	56.47
19	500	40.02	55.48	58.63	53.93	54.99	48.43 ↓	49.11
20	550	39.19	56.56	51.07	46.84 ↓	60.68	55.71	53.83
21	600	38.44	55.50	50.11	44.08 ↓	47.40	57.42	60.41

Power Sum ELFEXT[dB@100m]

No.	Freq [MHz]	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	\	96.95	95.49	95.86	94.76 ↓
2	4	75	94.13 ↓	100.17	95.11	97.87
3	8	72.94	91.97	92.15	90.25 ↓	92.01
4	10	71	88.29	86.91	85.37	85.22 ↓
5	16	66.92	80.63	79.88	79.58	78.84 ↓
6	20	64.98	79.50	80.61	77.00	76.25 ↓
7	25	63.04	73.02 ↓	80.13	75.47	73.86
8	31.25	61.1	73.57	70.51	71.12	69.40 ↓
9	50	57.02	75.00	67.79	67.75	65.41 ↓
10	62.5	55.08	74.73	67.11	66.42	65.30 ↓
11	100	51	64.42	62.14	64.66	60.95 ↓
12	125	49.06	62.97	57.24	61.84	55.88 ↓
13	200	44.98	54.96	51.80	57.58	50.39 ↓
14	250	43.04	55.89	54.80	57.71	52.15 ↓
15	300	41.46	53.56	54.92	53.00	49.39 ↓
16	350	40.12	50.65	54.16	49.53	47.59 ↓
17	400	38.96	60.95	59.47	58.63 ↓	60.57
18	450	37.94	48.23	45.79 ↓	49.12	48.91
19	500	37.02	50.35	46.71	47.17	45.12 ↓
20	550	36.19	45.08 ↓	52.13	48.86	45.58
21	600	35.44	42.87 ↓	46.41	45.39	43.79