Test Information

Test Time : 2024/02/23 13:48:52	Temperature:25C
Standard:TIA-568-C.2 Cat6A	Test Result:Pass
Cable Length:305m	Cable Type:
Tester:	Cable ID:

Test Result List

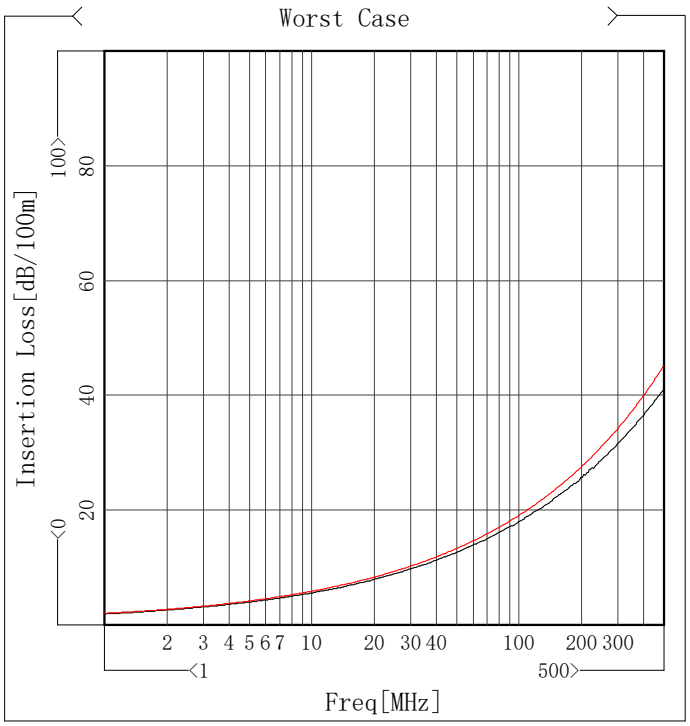
Test Item	Unit	Test Result
Insertion Loss	dB/100m	Pass
Delay	ns/100m	Pass
Delay skew	ns/100m	Pass
Return Loss	dB	Pass
NEXT	dB@100m	Pass
PS NEXT	dB@100m	Pass
ACRF	dB@100m	Pass
PS ACRF	dB@100m	Pass

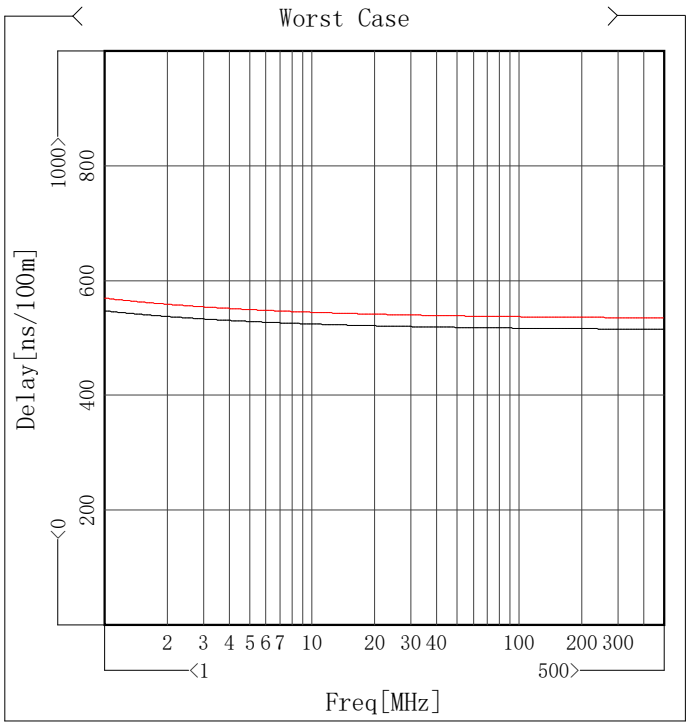
Inspector:
Date :

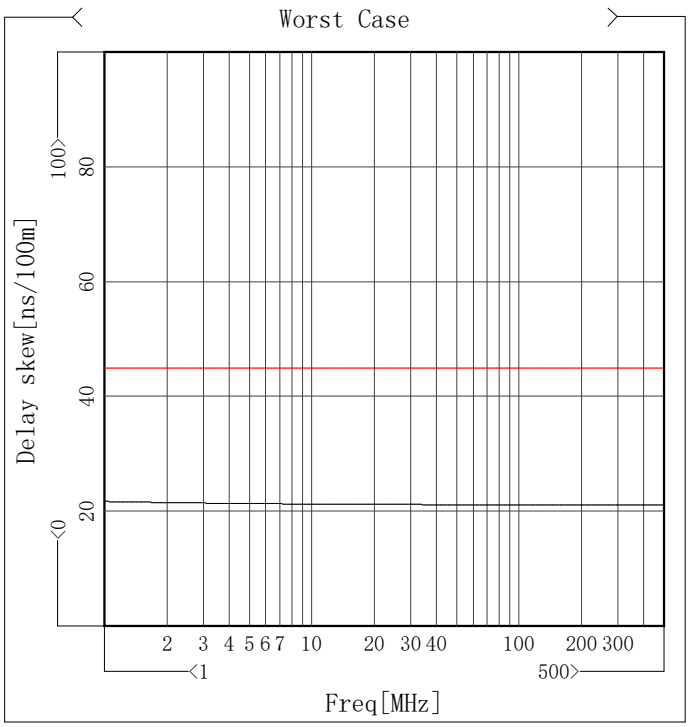
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Date :

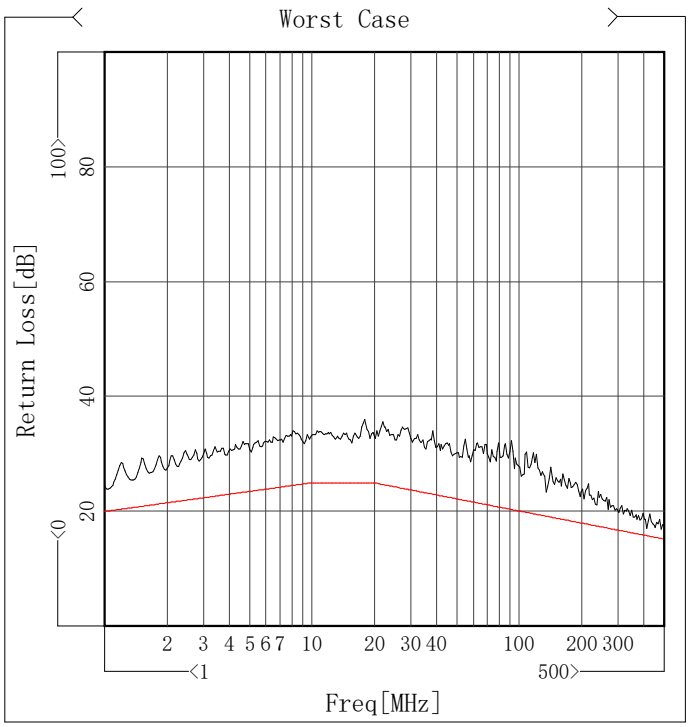
Worst Summary Of High Freq Parameter

Item	Max	Freq[MHz]	Spec	Margin	Min	Freq[MHz]	Spec	Margin
✔ Insertion Loss[dB/100m]	2.66	2.02	2.78	0.12	/	/	/	/
✔ Delay[ns/100m]	515.80	500.00	535.61	19.81	/	/	/	/
✔ Delay skew[ns/100m]	21.76	1.00	45.00	23.24	/	/	/	/
✔ Return Loss[dB]	/	/	/	/	17.13	419.87	15.75	1.38



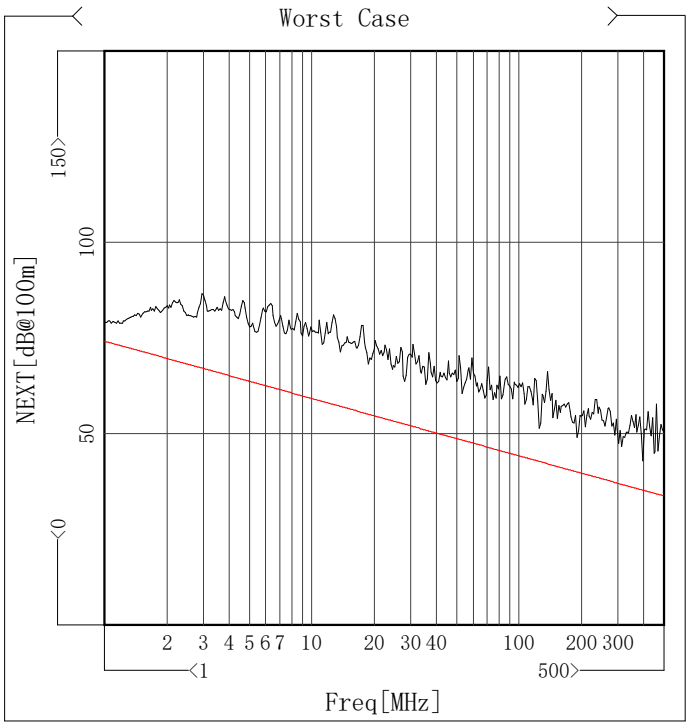


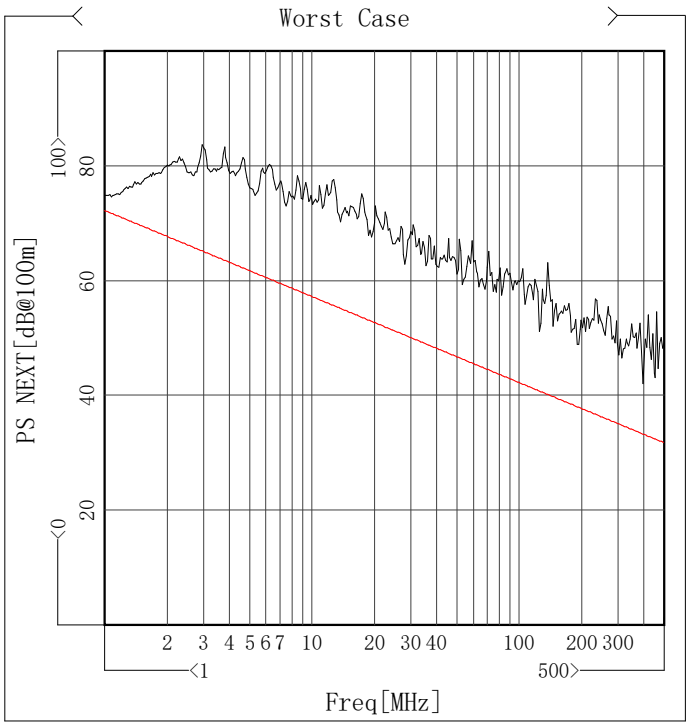


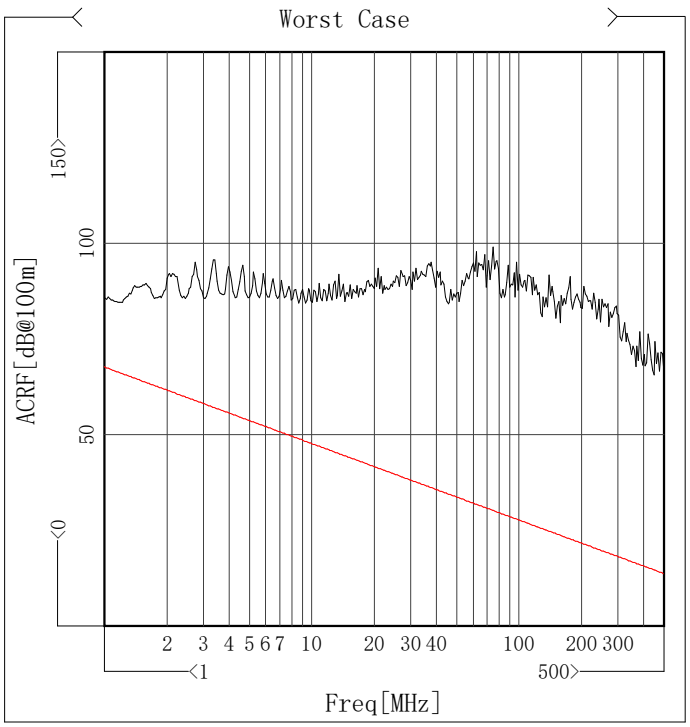


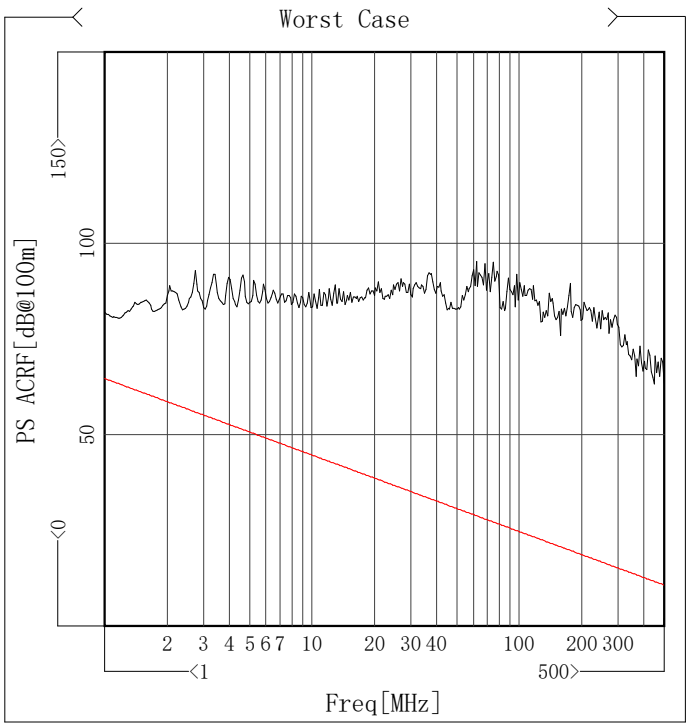
Worst Summary Of High Freq Parameter(2)

Item	Min	Freq[MHz]	Spec	Margin
✔ NEXT[dB@100m]	79.17	1.02	74.18	4.99
✔ PS NEXT[dB@100m]	74.91	1.00	72.30	2.61
✔ ACRF[dB@100m]	85.63	1.02	67.64	17.99
✔ PS ACRF[dB@100m]	80.66	1.11	63.90	16.76



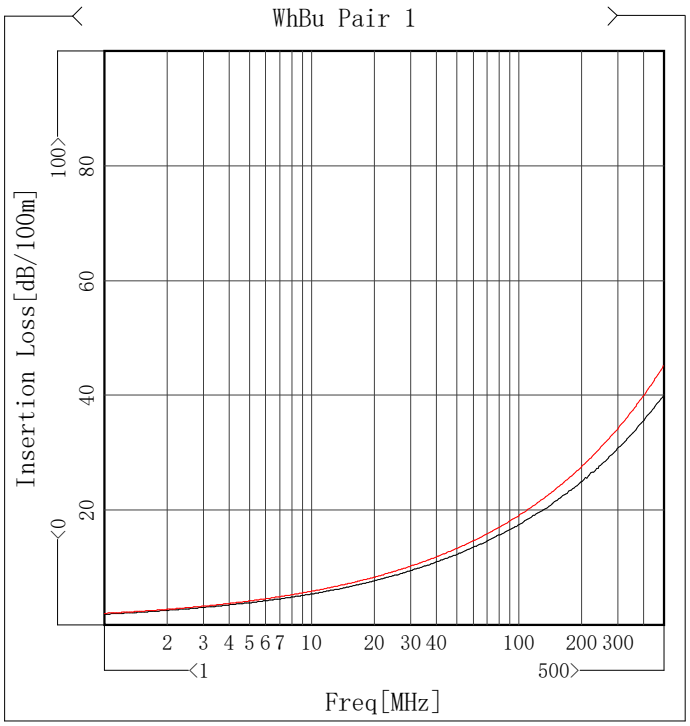


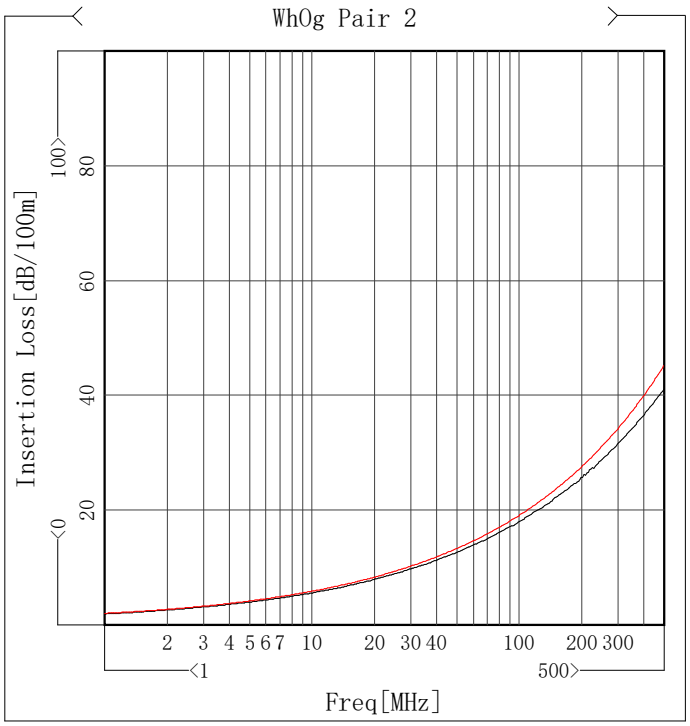


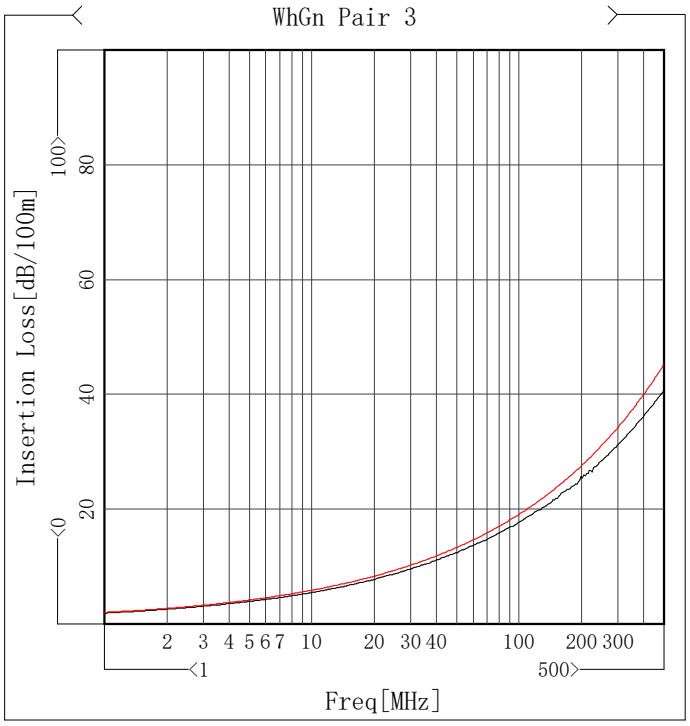


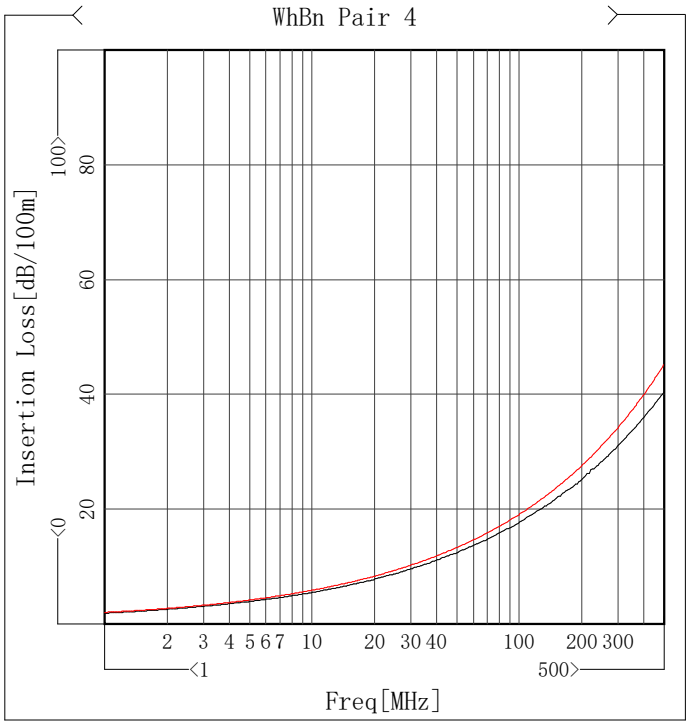
Insertion Loss

Item	Max [dB/100m]	Freq[MHz]	Spec [dB/100m]	Margin [dB/100m]
WhBu Pair 1	2.29	1.51	2.45	0.16
WhOg Pair 2	2.66	2.02	2.78	0.12
WhGn Pair 3	2.32	1.51	2.45	0.13
WhBn Pair 4	2.50	1.81	2.65	0.15



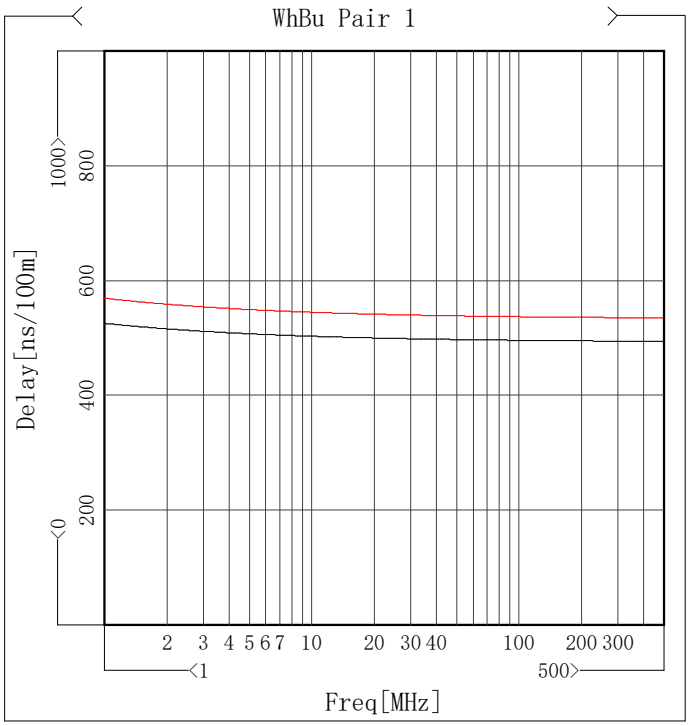


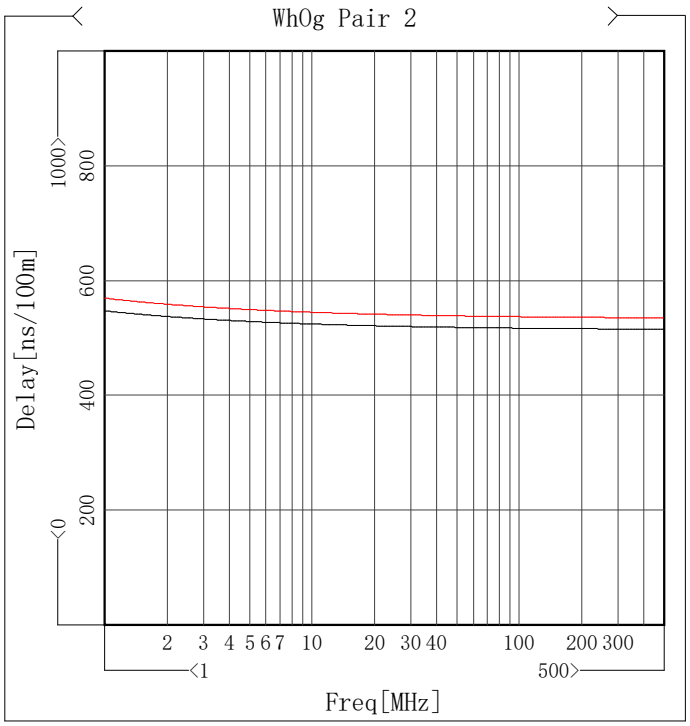


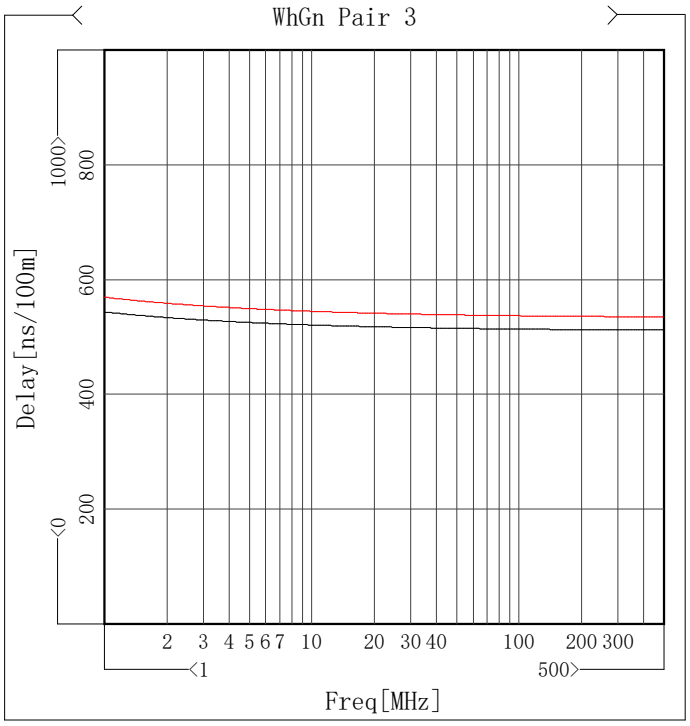


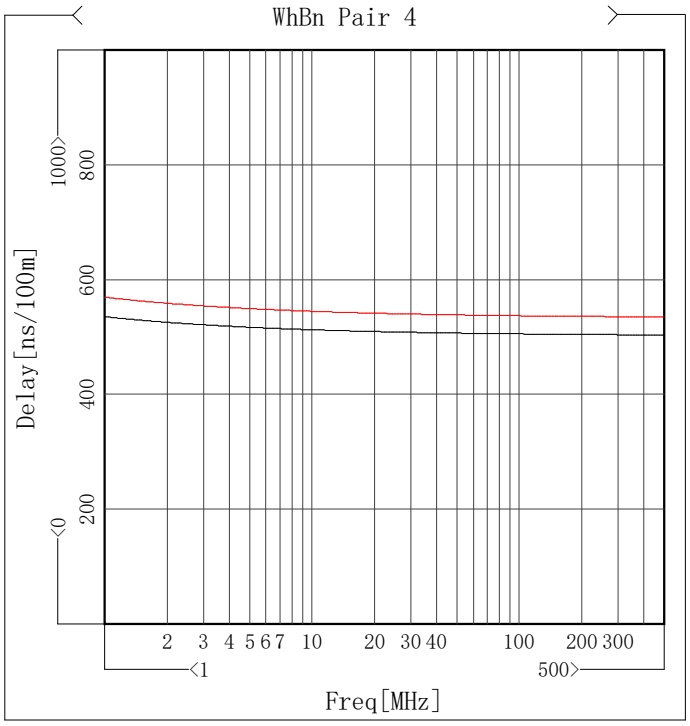
Delay

Item	Max [ns/100m]	Freq[MHz]	Spec [ns/100m]	Margin [ns/100m]
WhBu Pair 1	494.70	486.65	535.63	40.93
WhOg Pair 2	515.80	500.00	535.61	19.81
WhGn Pair 3	512.52	500.00	535.61	23.09
WhBn Pair 4	504.22	473.29	535.65	31.43



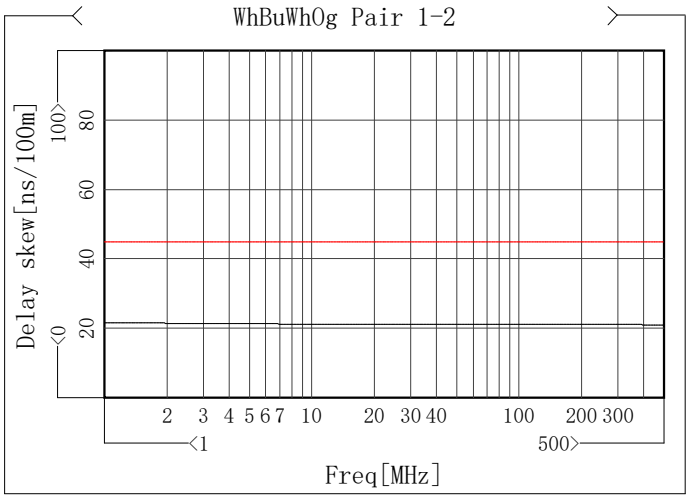


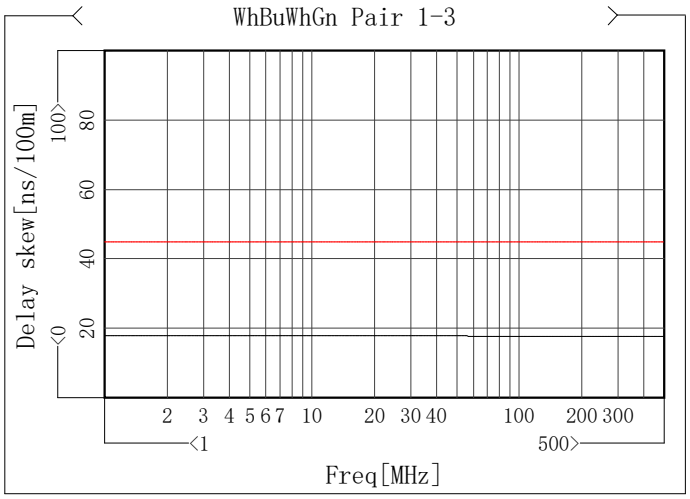


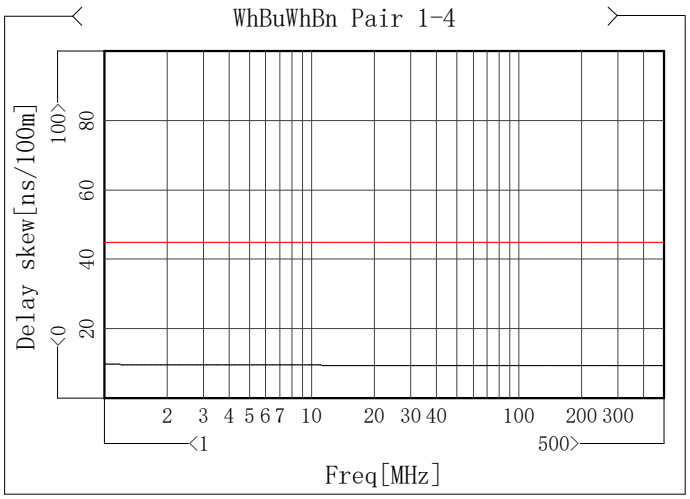


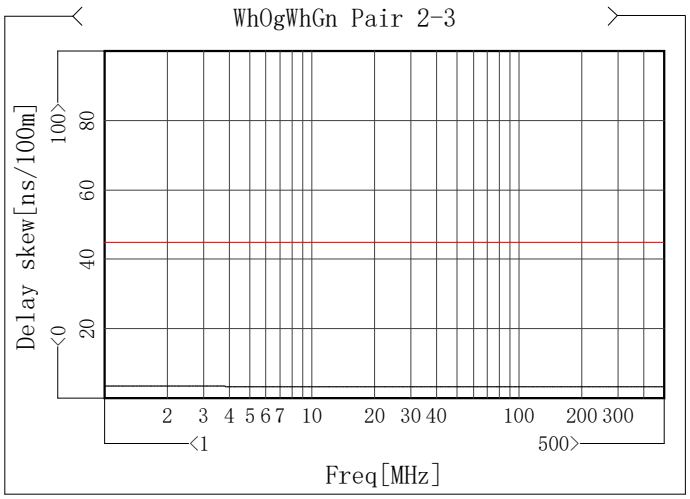
Delay skew

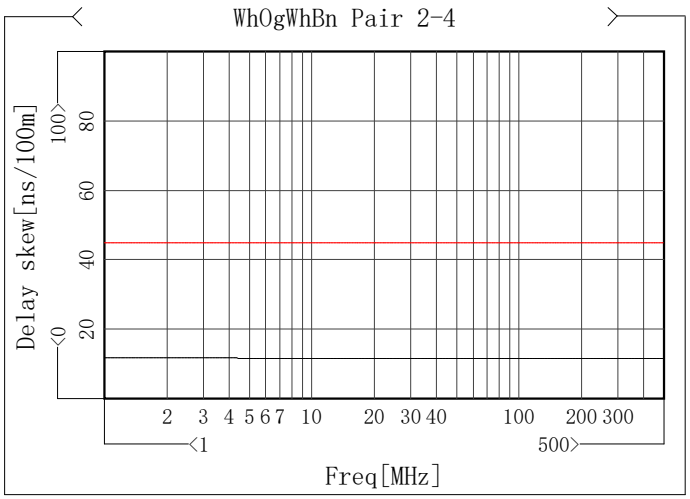
Item	Max [ns/100m]	Freq[MHz]	Spec [ns/100m]	Margin [ns/100m]
WhBuWhOg Pair 1-2	21.76	1.00	45.00	23.24
WhBuWhGn Pair 1-3	18.06	1.04	45.00	26.94
WhBuWhBn Pair 1-4	9.84	1.00	45.00	35.16
WhOgWhGn Pair 2-3	3.70	1.02	45.00	41.30
WhOgWhBn Pair 2-4	11.92	1.05	45.00	33.08
WhGnWhBn Pair 3-4	8.35	500.00	45.00	36.65

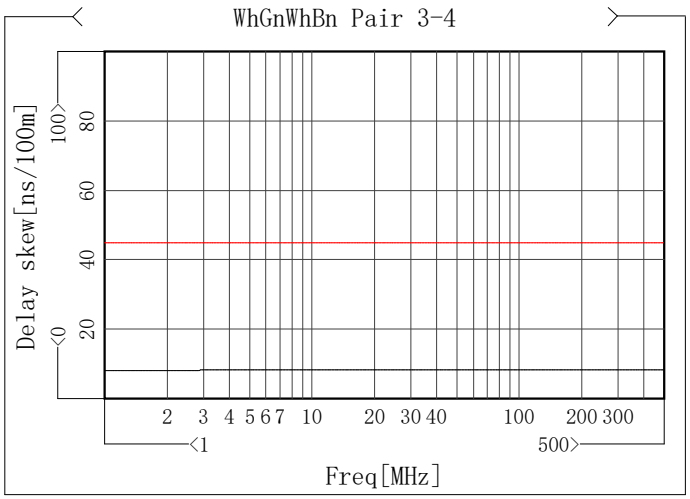






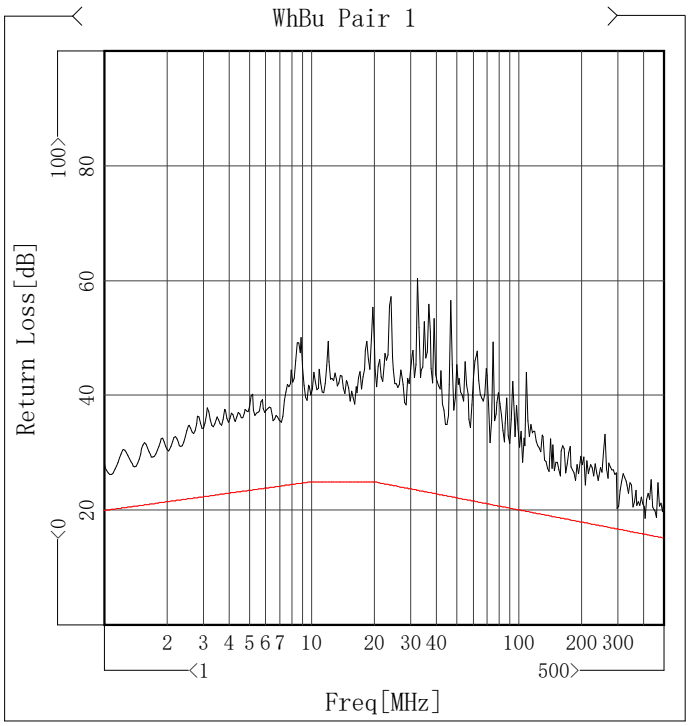


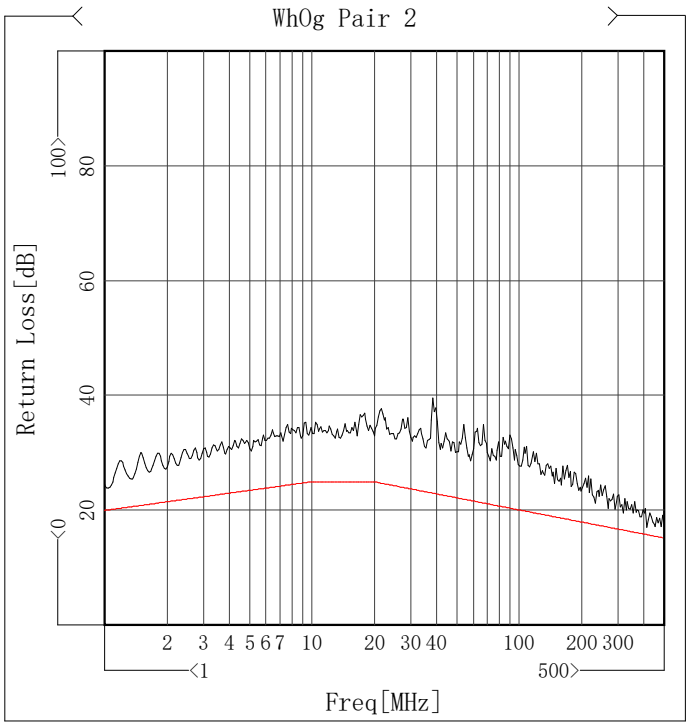


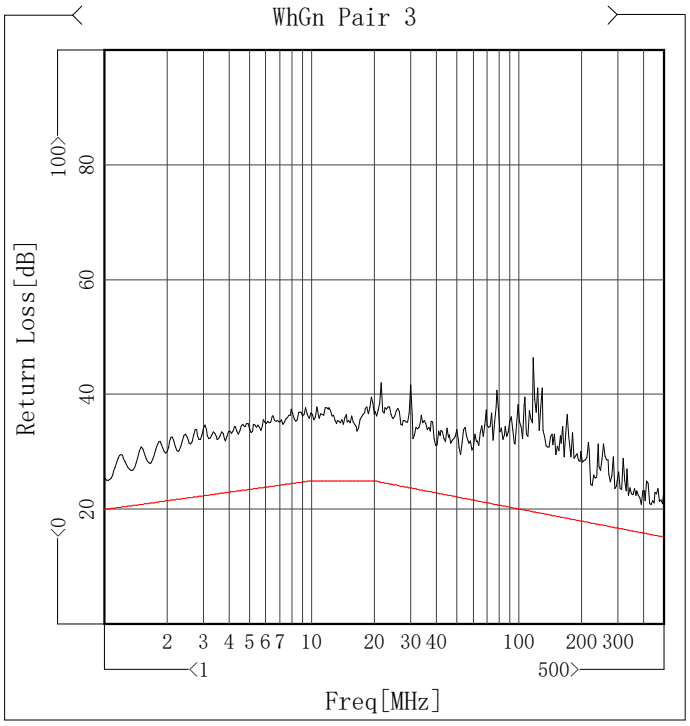


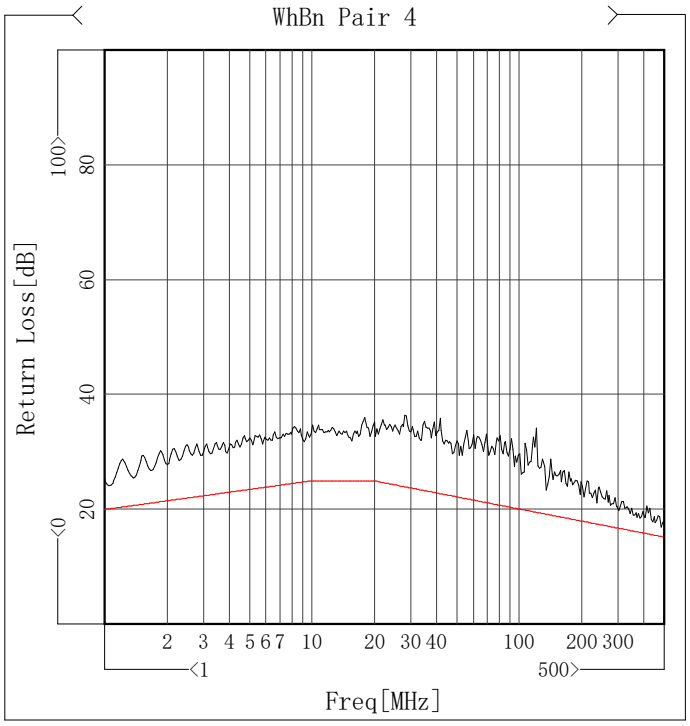
Return Loss

Item	Min [dB]	Freq[MHz]	Spec [dB]	Margin [dB]
WhBu Pair 1	18.68	413.20	15.79	2.89
WhOg Pair 2	17.13	419.87	15.75	1.38
WhGn Pair 3	20.83	393.17	15.95	4.88
WhBn Pair 4	16.95	486.65	15.30	1.65



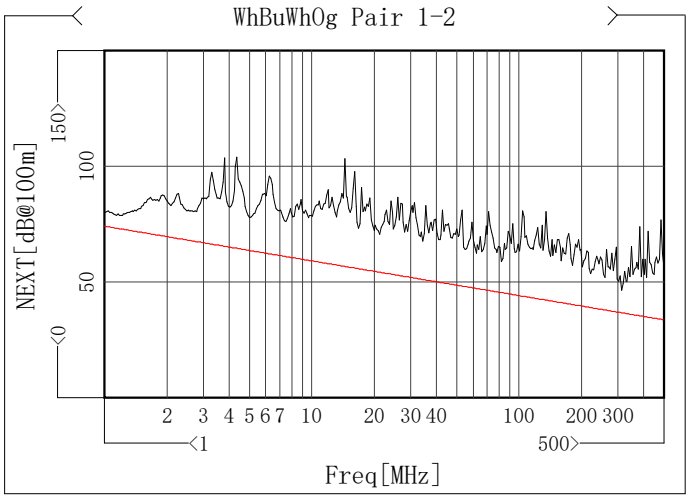


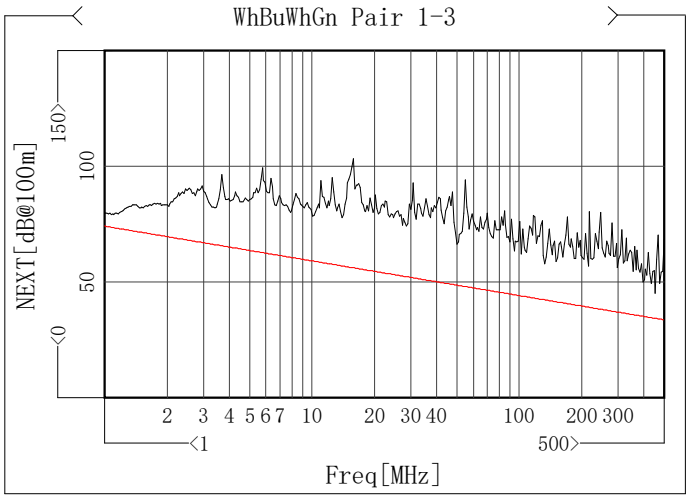


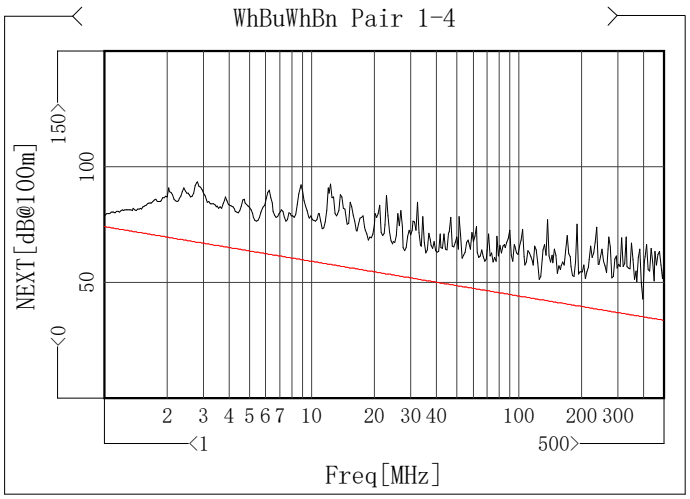


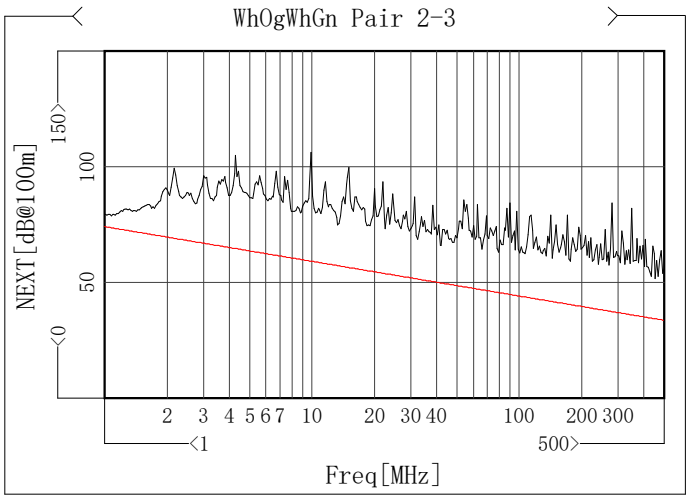
NEXT

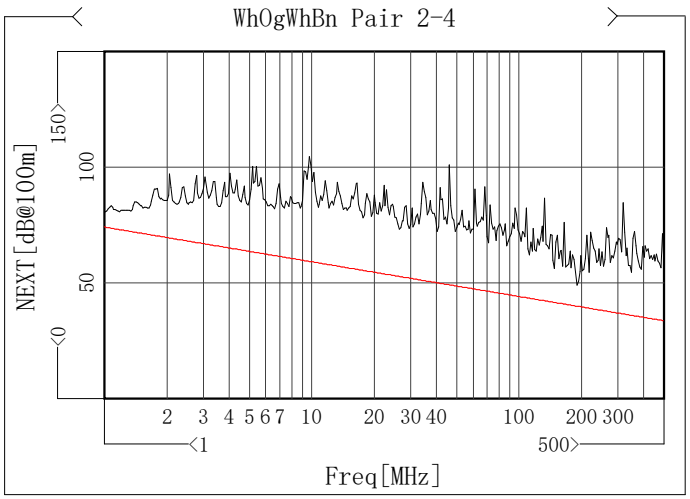
Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBuWhOg Pair 1-2	79.04	1.16	73.31	5.73
WhBuWhGn Pair 1-3	79.37	1.09	73.73	5.64
WhBuWhBn Pair 1-4	79.17	1.02	74.18	4.99
WhOgWhGn Pair 2-3	79.15	1.04	74.07	5.08
WhOgWhBn Pair 2-4	80.55	1.00	74.30	6.25
WhGnWhBn Pair 3-4	79.32	1.00	74.30	5.02

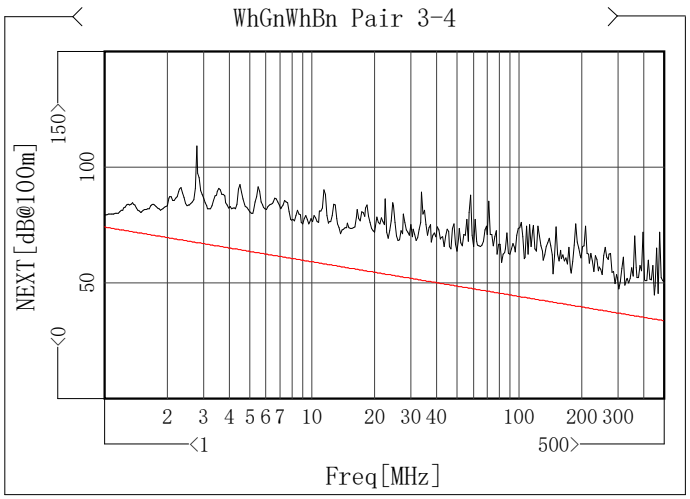






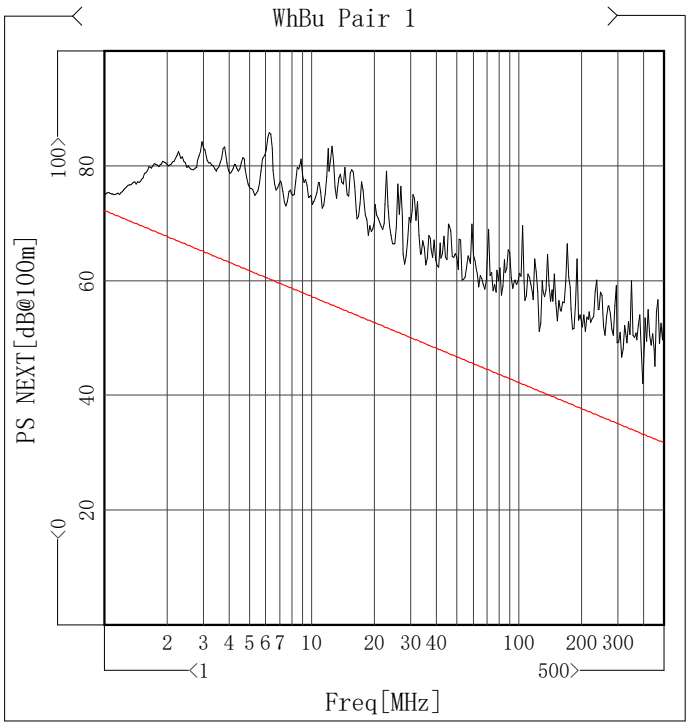


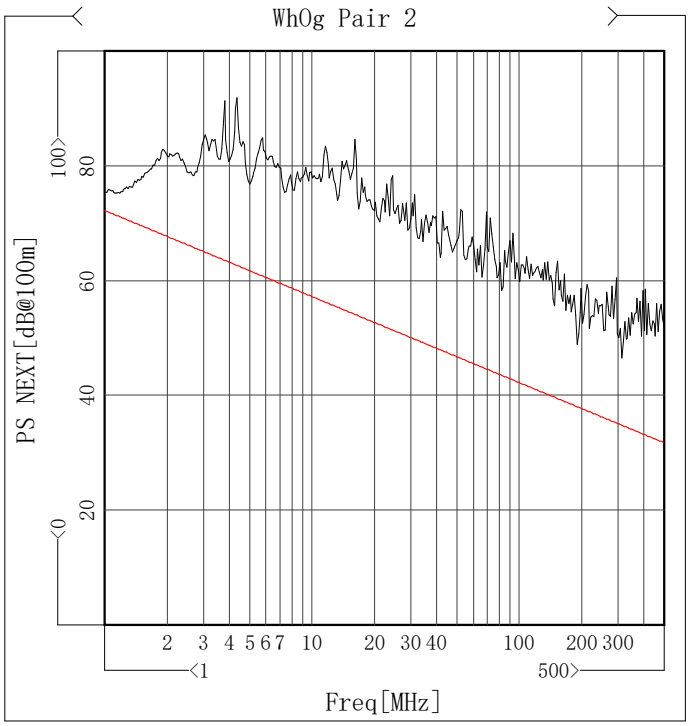


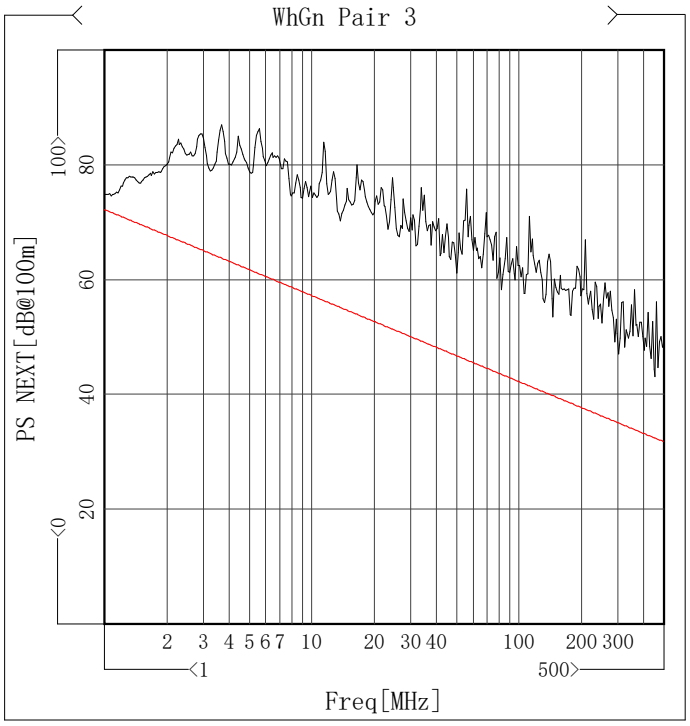


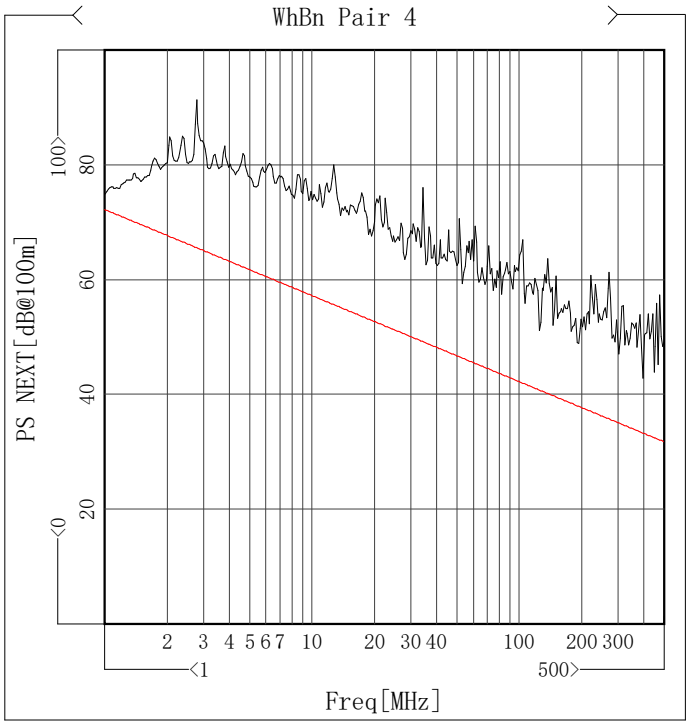
PS NEXT

Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBu Pair 1	75.16	1.00	72.30	2.86
WhOg Pair 2	75.43	1.00	72.30	3.13
WhGn Pair 3	74.91	1.00	72.30	2.61
WhBn Pair 4	74.94	1.00	72.30	2.64



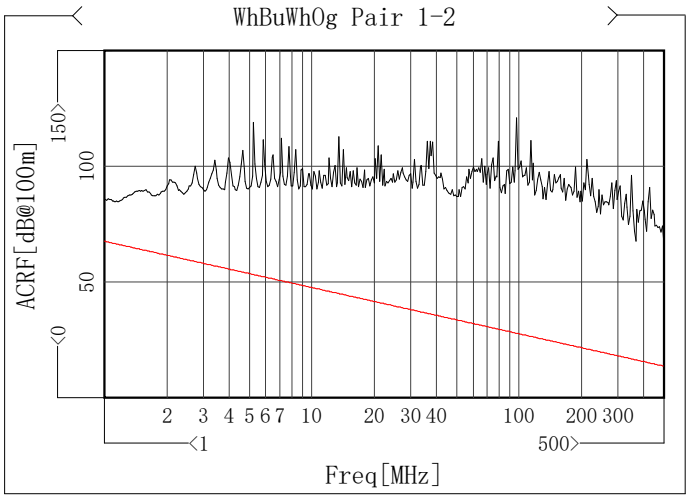


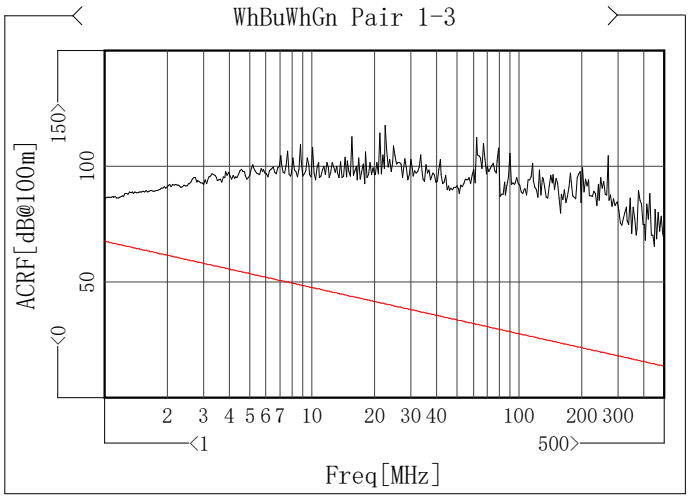


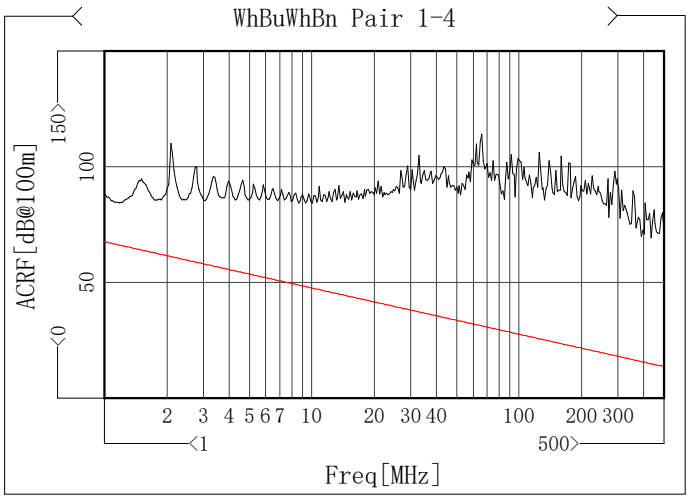


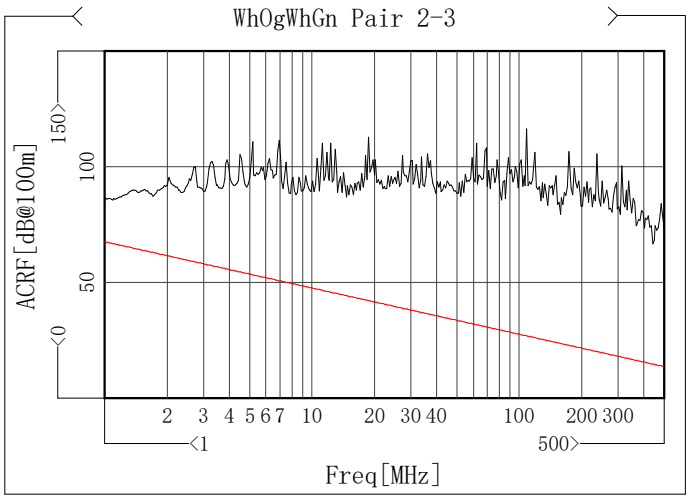
ACRF

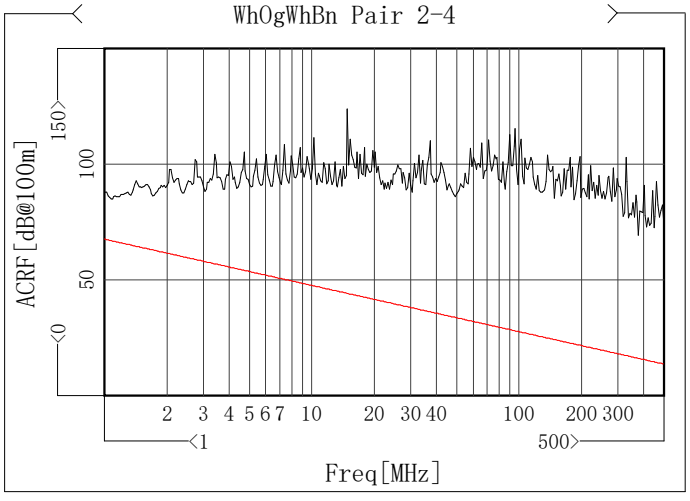
Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBuWhOg Pair 1-2	85.63	1.02	67.64	17.99
WhBuWhGn Pair 1-3	86.10	1.00	67.80	18.30
WhBuWhBn Pair 1-4	84.83	1.15	66.62	18.21
WhOgWhGn Pair 2-3	86.27	1.04	67.49	18.78
WhOgWhBn Pair 2-4	85.21	1.09	67.04	18.17
WhGnWhBn Pair 3-4	86.50	1.04	67.49	19.01

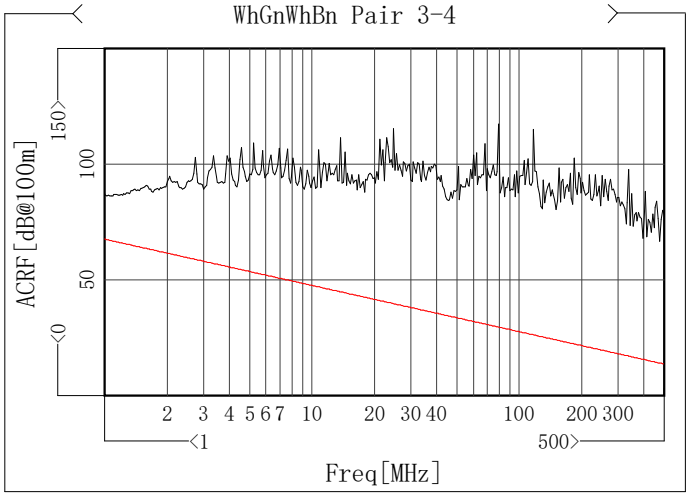






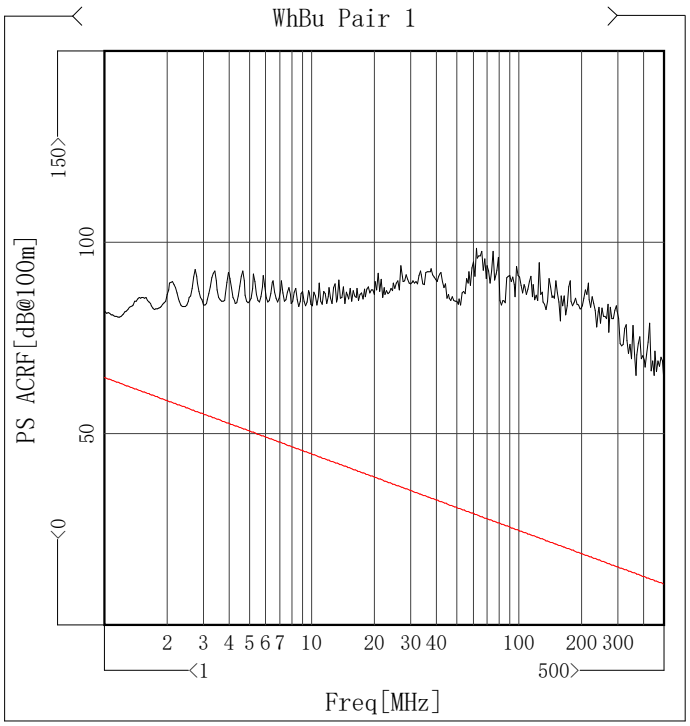


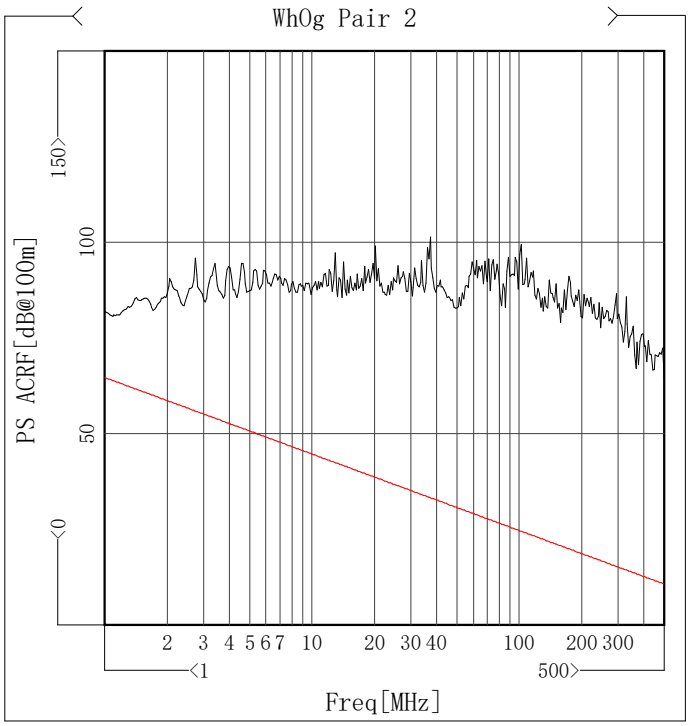


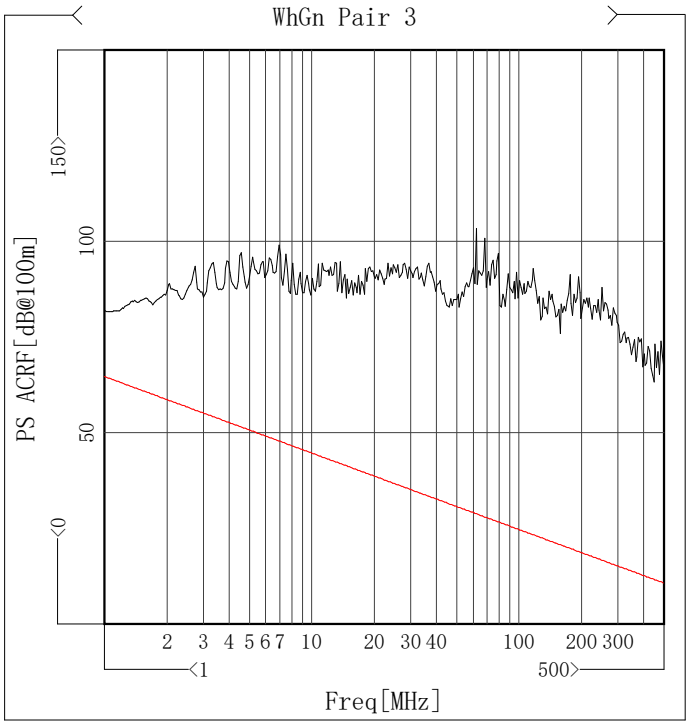


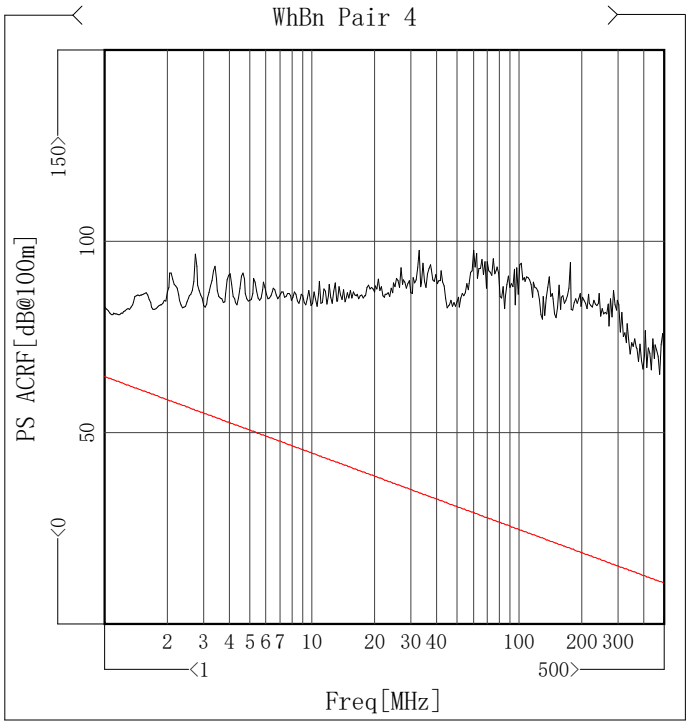
PS ACRF

Item	Min [dB@100m]	Freq[MHz]	Spec [dB@100m]	Margin [dB@100m]
WhBu Pair 1	80.66	1.15	63.62	17.04
WhOg Pair 2	80.66	1.11	63.90	16.76
WhGn Pair 3	81.96	1.00	64.80	17.16
WhBn Pair 4	80.91	1.09	64.04	16.87









Insertion Loss[dB/100m]

No.	Freq [MHz]	Spec (Max)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	2.08	1.91	1.95 ↑	1.93	1.92
2	4	3.8	3.53	3.63 ↑	3.58	3.57
3	8	5.31	4.87	5.03 ↑	4.94	4.95
4	10	5.92	5.43	5.61 ↑	5.51	5.51
5	16	7.49	6.86	7.09 ↑	6.96	6.97
6	20	8.38	7.69	7.94 ↑	7.80	7.80
7	25	9.38	8.62	8.90 ↑	8.74	8.74
8	31.25	10.5	9.67	9.97 ↑	9.80	9.80
9	50	13.35	12.28	12.65 ↑	12.46	12.45
10	62.5	14.98	13.76	14.16 ↑	13.95	13.94
11	100	19.12	17.45	17.95 ↑	17.70	17.66
12	125	21.5	19.59	20.12 ↑	19.85	19.83
13	200	27.56	24.96	25.67 ↑	25.62	25.03
14	250	31.04	27.91	28.69 ↑	28.34	28.22
15	300	34.24	30.57	31.41 ↑	31.05	30.90
16	350	37.21	33.22	34.13 ↑	33.76	33.57
17	400	40.01	35.51	36.47 ↑	36.09	35.87
18	450	42.67	37.72	38.73 ↑	38.34	38.09
19	500	45.21	40.06	41.13 ↑	40.74	40.45

Delay[ns/100m]

No.	Freq [MHz]	Spec (Max)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	570	526.20	547.96 ↑	544.26	536.03
2	4	552	509.78	531.21 ↑	527.73	519.44
3	8	546.73	504.93	526.26 ↑	522.84	514.53
4	10	545.38	503.64	524.94 ↑	521.54	513.23
5	16	543	501.50	522.76 ↑	519.39	511.07
6	20	542.05	500.60	521.84 ↑	518.48	510.16
7	25	541.2	499.82	521.05 ↑	517.70	509.37
8	31.25	540.44	499.14	520.35 ↑	517.01	508.68
9	50	539.09	497.87	519.06 ↑	515.73	507.39
10	62.5	538.55	497.39	518.58 ↑	515.26	506.92
11	100	537.6	496.50	517.67 ↑	514.36	506.02
12	125	537.22	496.16	517.32 ↑	514.02	505.68
13	200	536.55	495.54	516.68 ↑	513.39	505.04
14	250	536.28	495.29	516.43 ↑	513.14	504.79
15	300	536.08	495.11	516.25 ↑	512.96	504.61
16	350	535.92	494.96	516.10 ↑	512.81	504.46
17	400	535.8	494.85	515.99 ↑	512.70	504.35
18	450	535.7	494.76	515.89 ↑	512.61	504.26
19	500	535.61	494.67	515.80 ↑	512.52	504.17

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	45	21.76 ↑	18.06	9.84	3.70	11.92	8.22

Delay skew[ns/100m](Continuation 1)

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
2	4	45	21.43 ↑	17.95	9.66	3.48	11.77	8.29
3	8	45	21.33 ↑	17.92	9.61	3.42	11.73	8.31
4	10	45	21.31 ↑	17.91	9.59	3.40	11.72	8.31
5	16	45	21.27 ↑	17.89	9.57	3.37	11.70	8.32
6	20	45	21.25 ↑	17.89	9.56	3.36	11.69	8.33
7	25	45	21.23 ↑	17.88	9.55	3.35	11.68	8.33
8	31.25	45	21.22 ↑	17.88	9.54	3.34	11.67	8.33
9	50	45	21.19 ↑	17.87	9.53	3.33	11.66	8.34
10	62.5	45	21.18 ↑	17.86	9.52	3.32	11.66	8.34
11	100	45	21.17 ↑	17.86	9.51	3.31	11.65	8.34
12	125	45	21.16 ↑	17.86	9.51	3.30	11.65	8.34
13	200	45	21.15 ↑	17.85	9.50	3.30	11.64	8.35
14	250	45	21.14 ↑	17.85	9.50	3.29	11.64	8.35
15	300	45	21.14 ↑	17.85	9.50	3.29	11.64	8.35
16	350	45	21.14 ↑	17.85	9.50	3.29	11.64	8.35
17	400	45	21.13 ↑	17.85	9.50	3.29	11.64	8.35
18	450	45	21.13 ↑	17.85	9.50	3.29	11.63	8.35
19	500	45	21.13 ↑	17.85	9.50	3.28	11.63	8.35

Return Loss[dB]

No.	Freq [MHz]	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	20	28.09	24.54 ↓	25.71	25.43
2	4	23.01	35.63	30.94	33.22	30.24 ↓
3	8	24.52	42.48	33.53	36.57	33.37 ↓
4	10	25	40.34	34.31	36.80	33.38 ↓
5	16	25	40.01	34.12	35.59	32.71 ↓
6	20	25	52.59	33.43 ↓	37.61	34.85
7	25	24.32	45.06	33.39 ↓	35.89	34.07
8	31.25	23.64	47.70	32.58 ↓	33.28	34.00
9	50	22.21	44.04	30.17 ↓	33.62	31.75
10	62.5	21.54	46.53	33.74	32.54	31.43 ↓
11	100	20.11	33.55	27.90 ↓	37.61	29.52
12	125	19.43	31.20	28.07	40.35	27.56 ↓
13	200	18	29.07	23.66 ↓	29.49	24.01
14	250	17.32	27.45	24.39	26.80	23.00 ↓
15	300	16.77	24.15	21.90	24.36	20.47 ↓
16	350	16.3	24.53	20.82	22.95	19.97 ↓
17	400	15.89	21.20	20.03	23.23	19.66 ↓
18	450	15.53	20.35	17.78 ↓	21.36	18.27
19	500	15.21	21.97	17.48 ↓	23.36	18.07

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	74.3	80.42	80.08	79.36	79.68	80.55	79.32 ↓
2	4	65.27	83.62	86.11	84.43	89.06	88.30	83.08 ↓

NEXT[dB@100m](Continuation 1)

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
3	8	60.75	81.59	80.28	79.86	82.01	87.41	77.68 ↓
4	10	59.3	78.97	80.99	78.70	102.98	99.85	77.70 ↓
5	16	56.24	88.06	102.30	80.45	81.43	86.97	73.90 ↓
6	20	54.78	73.58	81.19	72.84	84.18	83.96	72.53 ↓
7	25	53.33	74.61	78.15	67.65 ↓	85.31	83.24	83.73
8	31.25	51.88	80.97	91.24	75.85	75.48	76.22	72.58 ↓
9	50	48.82	72.51	67.63	69.18	69.80	73.68	64.50 ↓
10	62.5	47.36	63.97 ↓	73.78	72.05	69.46	84.13	73.28
11	100	44.3	65.80	69.43	62.94 ↓	64.23	72.66	73.64
12	125	42.85	72.71	70.10	57.77 ↓	64.36	68.69	74.33
13	200	39.78	64.07	63.87	54.73 ↓	66.66	59.55	61.30
14	250	38.33	60.96	79.81	61.25	66.81	57.76	56.14 ↓
15	300	37.14	60.00	62.88	59.55	62.90	67.55	53.31 ↓
16	350	36.14	62.34	63.05	64.53	76.50	55.54 ↓	55.55
17	400	35.27	59.85	50.33	43.34 ↓	66.06	65.68	71.64
18	450	34.5	53.84	55.01	54.82	64.17	61.24	51.15 ↓
19	500	33.82	56.36	68.38	59.32	56.09	57.90	50.45 ↓

PS NEXT[dB@100m]

No.	Freq [MHz]	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	72.3	75.16	75.43	74.91 ↓	74.94
2	4	63.27	79.80 ↓	81.44	80.61	79.97
3	8	58.75	75.73	78.22	74.84 ↓	75.34
4	10	57.3	74.65 ↓	78.82	75.98	75.14
5	16	54.24	79.16	79.31	73.18	72.81 ↓
6	20	52.78	69.64	72.36	71.46	69.34 ↓
7	25	51.33	66.41 ↓	73.65	76.46	67.42
8	31.25	49.88	74.44	71.89	70.71	69.42 ↓
9	50	46.82	64.30	66.86	61.95 ↓	62.73
10	62.5	45.36	62.82	62.74 ↓	66.42	68.16
11	100	42.3	60.25 ↓	61.58	62.48	62.12
12	125	40.85	57.38	62.44	62.96	57.33 ↓
13	200	37.78	53.70	57.16	58.46	52.57 ↓
14	250	36.33	58.04	55.66	55.75	53.11 ↓
15	300	35.14	55.38	56.82	52.22	52.19 ↓
16	350	34.14	57.76	53.54	54.54	51.87 ↓
17	400	33.27	42.31 ↓	58.08	50.11	43.11
18	450	32.5	49.38	52.74	48.52 ↓	48.83
19	500	31.82	54.40	51.94	49.34	49.27 ↓

ACRF[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	67.8	86.26	86.10 ↓	88.18	86.75	87.60	87.45
2	4	55.76	101.19	97.15	93.11 ↓	101.51	95.46	102.35
3	8	49.74	95.11	96.00	87.15 ↓	89.43	98.29	92.34

ACRF[dB@100m](Continuation 1)

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
4	10	47.8	91.58	97.72	84.94 ↓	90.23	94.42	90.44
5	16	43.72	96.08	101.36	87.69 ↓	89.01	102.76	93.11
6	20	41.78	94.33	98.18	88.55 ↓	99.97	102.80	93.96
7	25	39.84	96.02	107.65	89.99 ↓	93.92	95.03	111.98
8	31.25	37.9	92.81	96.82	96.16	94.93	91.79 ↓	99.13
9	50	33.82	87.15	91.58	91.16	88.90	87.05 ↓	88.88
10	62.5	31.88	98.29 ↓	101.77	104.82	101.15	99.73	99.81
11	100	27.8	98.92	92.57	103.59	93.27	94.58	89.27 ↓
12	125	25.86	94.97	88.00 ↓	93.08	90.56	94.50	90.02
13	200	21.78	87.83	89.28	90.48	84.96 ↓	92.19	90.05
14	250	19.84	79.76 ↓	95.19	88.61	83.46	88.69	82.44
15	300	18.26	90.85	84.56	93.55	88.89	90.85	84.47 ↓
16	350	16.92	91.91	74.74 ↓	75.56	81.57	78.42	84.01
17	400	15.76	84.87	75.02	72.67	80.40	79.40	68.50 ↓
18	450	14.74	80.19	67.90	79.33	67.72 ↓	80.54	75.67
19	500	13.82	66.11 ↓	68.25	72.65	73.03	73.32	78.47

PS ACRF[dB@100m]

No.	Freq [MHz]	Spec (Min)	WhBu Pair 1	WhOg Pair 2	WhGn Pair 3	WhBn Pair 4
1	1	64.8	81.98	82.07	81.96 ↓	82.96
2	4	52.76	91.15	93.42	94.83	90.74 ↓
3	8	46.74	86.02	87.75	87.03	85.66 ↓
4	10	44.8	83.83	86.84	86.86	83.45 ↓
5	16	40.72	86.61	87.69	87.26	86.32 ↓
6	20	38.78	87.16 ↓	92.72	91.66	87.29
7	25	36.84	88.94	90.08	93.49	88.70 ↓
8	31.25	34.9	89.94	87.70 ↓	90.79	89.61
9	50	30.82	84.68	82.83 ↓	84.83	83.95
10	62.5	28.88	94.43	93.32 ↓	95.56	95.06
11	100	24.8	91.38	89.78	86.23 ↓	87.78
12	125	22.86	86.02	87.93	84.19 ↓	86.85
13	200	18.78	82.79	81.58 ↓	82.43	84.39
14	250	16.84	79.07	77.79 ↓	79.72	80.62
15	300	15.26	82.91	84.19	80.09 ↓	83.13
16	350	13.92	70.64 ↓	75.93	71.13	72.88
17	400	12.76	70.52	76.08	67.28	66.74 ↓
18	450	11.74	67.20	66.78	64.17 ↓	71.93
19	500	10.82	63.48 ↓	64.67	66.70	69.39