



中国赛宝实验室
(工业和信息化部电子第五研究所)
CHINA CEPREI LABORATORY



校准证书

CALIBRATION CERTIFICATE

证书编号: 1GA14001235-0004
Certificate No.



委托单位: Client	通标标准技术服务有限公司广州分公司
委托方地址: Address	广州市经济技术开发区科学城科珠路198号
仪器名称: Description	TWO-LINE V-NETWORK
型号规格: Model/Type	ENV216
制造商: Manufacturer	R&S
机身号: Serial No.	100359
管理号: Asset No.	EMC0118
校准日期: Cal. Date	2014-03-03
结论: Conclusion	所校准项目合格(Passed at Calibration Items)

校准:
Calibrated by

付贵瑜

核验:
Inspected by

张成

签发:
Approved by

杨辉新

无线电室主任
Director of Radio
Lab

印章:
Stamp



说 明

DIRECTIONS

证书编号(Certificate No.) 1GA14001235-0004

1. 本机构是国家质量监督检验检疫总局授权的国家法定计量技术机构, 授权证编号: (国)法计(2012)00068号。质量管理体系符合ISO/IEC 17025的要求, 获得中国合格评定国家认可委员会(CNAS)认可, 认可证书号为: CNAS L0462。

This laboratory is the legal metrological institute authorized by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China, No. (国)法计(2012)00068. Its quality management system meets the ISO/IEC 17025 and is accredited by the China National Accreditation Service for Conformity Assessment, No. CNAS L0462.

2. 本机构出具的数据均可溯源到国家计量基准和国际单位制(SI)。

The data issued by this laboratory is traceable to national primary standards and International system of Units (SI) .

3. 本次校准的技术依据及CNAS认可范围 (Reference documents and CNAS accredited scopes):

CISPR 16-1-2:2006 无线电干扰和防干扰测试方法及规范的规范---第1-2部分: 无线电干扰和防干扰测量仪---辅助设备---传导的干扰 阻抗: $(1 \sim 180)\Omega @ (9\text{kHz} \sim 108\text{MHz})$; 电压分压系数: $(-20 \sim 20)\text{dB} @ (9\text{kHz} \sim 108\text{MHz})$; 相位: $(-90 \sim 90)^\circ @ (9\text{kHz} \sim 108\text{MHz})$; 隔离度: $@ (9\text{kHz} \sim 108\text{MHz})$

4. 本次校准所使用的主要测量标准 (Main measurement standards used during the calibration):

名 称 Description	技术指标 Specification	有效期至 Due Date	证书编号 Certificate No.
网络分析仪/Network Analyzer	f: $\pm 1 \times 10^{-7}$; Output Level Flatness: $\pm 1\text{dB}$; Output Level Linearity: $\pm 0.75\text{dB}$; Receiver Magnitude Dynamic: $\pm 0.035\text{dB}$	2015-02-28	XDwb2013-0195



5. 校准地点 (The location where the calibrations were carried out):

通标标准技术服务有限公司广州分公司

6. 环境条件 (Environmental condition):

温度(Temperature): 22 $^{\circ}\text{C}$

相对湿度(Relative Humidity): 55 %

7. 证书数据页中"P"代表"合格", "F"代表"不合格", "N/A"代表"不适用".

(In the data sheet, "P" stands for "Pass", "F" stands for "Fail", "N/A" stands for "Not applicable".)

注: 1. 本证书未经本机构书面授权, 不得部分复制。

(The certificate shall not be partly reproduced without written approval of the laboratory.)

2. 本次校准结果仅与被校物有关。(The results are only related to the items calibrated.)



0 外观与工作正常性检查(Appearance and Function Check)

结论
(Pass/Fail)

P

1 电压分压系数 (Voltage division factor)

线路 (Line)	频率 (Frequency) (MHz)	标称值 (Nominal) (dB)	标准值 (Reference) (dB)	误差 (Error) (dB)	允许误差 (Limit) (dB)	结论 (Pass/Fail)
N	0.009	10.00	10.67	-0.67	±1.00	P
	0.015	10.00	10.35	-0.35	±1.00	P
	0.020	10.00	10.11	-0.11	±1.00	P
	0.025	10.00	9.99	0.01	±1.00	P
	0.030	10.00	9.90	0.10	±1.00	P
	0.040	10.00	9.78	0.22	±1.00	P
	0.050	10.00	9.73	0.27	±1.00	P
	0.060	10.00	9.69	0.31	±1.00	P
	0.070	10.00	9.69	0.31	±1.00	P
	0.080	10.00	9.68	0.32	±1.00	P
	0.090	10.00	9.67	0.33	±1.00	P
	0.100	10.00	9.66	0.34	±1.00	P
	0.150	10.00	9.66	0.34	±1.00	P
	0.170	10.00	9.66	0.34	±1.00	P
	0.200	10.00	9.66	0.34	±1.00	P
	0.25	10.00	9.66	0.34	±1.00	P
	0.30	10.00	9.66	0.34	±1.00	P
	0.35	10.00	9.66	0.34	±1.00	P
	0.40	10.00	9.66	0.34	±1.00	P
	0.50	10.00	9.66	0.34	±1.00	P
	0.60	10.00	9.67	0.33	±1.00	P
	0.70	10.00	9.67	0.33	±1.00	P
	0.80	10.00	9.67	0.33	±1.00	P
	0.90	10.00	9.67	0.33	±1.00	P
	1.00	10.00	9.68	0.32	±1.00	P
	1.20	10.00	9.68	0.32	±1.00	P
	1.50	10.00	9.68	0.32	±1.00	P
	2.00	10.00	9.69	0.31	±1.00	P
	2.50	10.00	9.69	0.31	±1.00	P
	3.00	10.00	9.70	0.30	±1.00	P
	4.00	10.00	9.71	0.29	±1.00	P
	5.00	10.00	9.71	0.29	±1.00	P
	7.00	10.00	9.73	0.27	±1.00	P
	10.00	10.00	9.85	0.15	±1.00	P
	15.00	10.00	10.01	-0.01	±1.00	P
	20.00	10.00	10.30	-0.30	±1.00	P
	30.00	10.00	10.62	-0.62	±1.00	P

1 电压分压系数 (Voltage division factor)

线路 (Line)	频率 (Frequency) (MHz)	标称值 (Nominal) (dB)	标准值 (Reference) (dB)	误差 (Error) (dB)	允许误差 (Limit) (dB)	结论 (Pass/Fail)
L1	0.009	10.00	10.50	-0.50	±1.00	P
	0.015	10.00	10.40	-0.40	±1.00	P
	0.020	10.00	10.30	-0.30	±1.00	P
	0.025	10.00	10.10	-0.10	±1.00	P
	0.030	10.00	9.90	0.10	±1.00	P
	0.040	10.00	9.80	0.20	±1.00	P
	0.050	10.00	9.80	0.20	±1.00	P
	0.060	10.00	9.70	0.30	±1.00	P
	0.070	10.00	9.70	0.30	±1.00	P
	0.080	10.00	9.70	0.30	±1.00	P
	0.090	10.00	9.70	0.30	±1.00	P
	0.100	10.00	9.70	0.30	±1.00	P
	0.150	10.00	9.60	0.40	±1.00	P
	0.170	10.00	9.60	0.40	±1.00	P
	0.200	10.00	9.60	0.40	±1.00	P
	0.25	10.00	9.60	0.40	±1.00	P
	0.30	10.00	9.70	0.30	±1.00	P
	0.35	10.00	9.70	0.30	±1.00	P
	0.40	10.00	9.60	0.40	±1.00	P
	0.50	10.00	9.70	0.30	±1.00	P
	0.60	10.00	9.70	0.30	±1.00	P
	0.70	10.00	9.70	0.30	±1.00	P
	0.80	10.00	9.70	0.30	±1.00	P
	0.90	10.00	9.70	0.30	±1.00	P
	1.00	10.00	9.70	0.30	±1.00	P
	1.20	10.00	9.70	0.30	±1.00	P
	1.50	10.00	9.70	0.30	±1.00	P
	2.00	10.00	9.70	0.30	±1.00	P
	2.50	10.00	9.70	0.30	±1.00	P
	3.00	10.00	9.70	0.30	±1.00	P
	4.00	10.00	9.70	0.30	±1.00	P
	5.00	10.00	9.70	0.30	±1.00	P
	7.00	10.00	9.80	0.20	±1.00	P
	10.00	10.00	9.80	0.20	±1.00	P
	15.00	10.00	9.90	0.10	±1.00	P
	20.00	10.00	10.20	-0.20	±1.00	P
	30.00	10.00	10.50	-0.50	±1.00	P

2 阻抗(Impedance)

线路 (Line)	频率 (Frequency) (MHz)	标称值 (Nominal) (Ω)	标准值 (Reference) (Ω)	误差 (Error) (Ω)	允许误差 (Limit) (Ω)	结论 (Pass/Fail)
N	0.009	5.22	5.92	-0.70	±1.04	P
	0.015	6.22	6.76	-0.54	±1.24	P
	0.03	9.56	10.19	-0.63	±1.91	P
	0.04	11.99	12.19	-0.20	±2.40	P
	0.05	14.41	14.58	-0.17	±2.88	P
	0.06	16.77	16.89	-0.12	±3.35	P
	0.07	19.04	19.11	-0.07	±3.81	P
	0.08	21.19	21.22	-0.03	±4.24	P
	0.09	23.22	23.19	0.03	±4.64	P
	0.10	25.11	25.03	0.08	±5.02	P
	0.15	32.72	32.43	0.29	±6.54	P
	0.17	36.50	34.63	1.87	±7.30	P
	0.20	39.12	37.31	1.81	±7.82	P
	0.25	42.18	40.52	1.66	±8.44	P
	0.30	44.17	42.67	1.50	±8.83	P
	0.35	45.52	44.17	1.35	±9.10	P
	0.40	46.46	45.25	1.21	±9.29	P
	0.50	47.65	46.63	1.02	±9.53	P
	0.60	48.33	47.44	0.89	±9.67	P
	0.70	48.76	47.95	0.81	±9.75	P
	0.80	49.04	48.30	0.74	±9.81	P
	0.90	49.24	48.55	0.69	±9.85	P
	1.00	49.38	48.72	0.66	±9.88	P
	1.20	49.57	48.98	0.59	±9.91	P
	1.50	49.72	49.18	0.54	±9.94	P
	2.00	49.84	49.36	0.48	±9.97	P
	2.50	49.90	49.46	0.44	±9.98	P
	3.00	49.93	49.52	0.41	±9.99	P
	4.00	49.96	49.62	0.34	±9.99	P
	5.00	49.98	49.69	0.29	±10.00	P
	7.00	49.99	49.85	0.14	±10.00	P
	10.00	49.99	50.13	-0.14	±10.00	P
	15.00	50.00	51.00	-1.00	±10.00	P
	20.00	50.00	52.75	-2.75	±10.00	P
	30.00	50.00	51.62	-1.62	±10.00	P

2 阻抗(Impedance,cont'd)

线路 (Line)	频率 (Frequency) (MHz)	标称值 (Nominal) (Ω)	标准值 (Reference) (Ω)	误差 (Error) (Ω)	允许误差 (Limit) (Ω)	结论 (Pass/Fail)
L1	0.009	5.22	5.98	-0.76	±1.04	P
	0.015	6.22	6.60	-0.38	±1.24	P
	0.03	9.56	9.64	-0.08	±1.91	P
	0.04	11.99	12.00	-0.01	±2.40	P
	0.05	14.41	14.40	0.01	±2.88	P
	0.06	16.77	16.76	0.01	±3.35	P
	0.07	19.04	19.02	0.02	±3.81	P
	0.08	21.19	21.12	0.07	±4.24	P
	0.09	23.22	23.51	-0.29	±4.64	P
	0.10	25.11	24.98	0.13	±5.02	P
	0.15	32.72	32.35	0.37	±6.54	P
	0.17	36.50	34.52	1.98	±7.30	P
	0.20	39.12	37.25	1.87	±7.82	P
	0.25	42.18	40.49	1.69	±8.44	P
	0.30	44.17	42.71	1.46	±8.83	P
	0.35	45.52	44.11	1.41	±9.10	P
	0.40	46.46	45.24	1.22	±9.29	P
	0.50	47.65	46.62	1.03	±9.53	P
	0.60	48.33	47.44	0.89	±9.67	P
	0.70	48.76	47.93	0.83	±9.75	P
	0.80	49.04	48.22	0.82	±9.81	P
	0.90	49.24	48.55	0.69	±9.85	P
	1.00	49.38	48.71	0.67	±9.88	P
	1.20	49.57	48.95	0.62	±9.91	P
	1.50	49.72	49.20	0.52	±9.94	P
	2.00	49.84	49.28	0.56	±9.97	P
	2.50	49.90	49.42	0.48	±9.98	P
	3.00	49.93	49.49	0.44	±9.99	P
	4.00	49.96	49.46	0.50	±9.99	P
	5.00	49.98	49.54	0.44	±10.00	P
	7.00	49.99	49.54	0.45	±10.00	P
	10.00	49.99	49.53	0.46	±10.00	P
	15.00	50.00	49.75	0.25	±10.00	P
	20.00	50.00	49.90	0.10	±10.00	P
	30.00	50.00	47.81	2.19	±10.00	P

3 150kHz高通滤波(150kHz High Pass)

频率 (Frequency) (MHz)	标准值 (Reference) (dB)	允许范围 (Limit) (dB)	结论 (Pass/Fail)
0.01	49.5	≥30.00	P
0.03	58.9	≥30.00	P
0.05	70.8	≥30.00	P
0.08	43.8	≥30.00	P
0.09	37.3	≥30.00	P
0.1	30.9	≥30.00	P
0.11	24.7	N/A	---
0.12	18.6	N/A	---
0.13	13.2	N/A	---
0.14	10.3	N/A	---
0.15	9.8	≤11.00	P
0.16	10	≤11.00	P
0.18	10.1	≤11.00	P
0.2	9.9	≤11.00	P
0.5	9.9	≤11.00	P
1	9.8	≤11.00	P
5	9.8	≤11.00	P
10	9.9	≤11.00	P
15	10	≤11.00	P
20	10.3	≤11.00	P
25	10.6	≤11.00	P
30	10.7	≤11.00	P

4 隔离度(Insulation)

线路 (Line)	频率 (Frequency) (MHz)	标准值 (Reference) (dB)	允许范围 (Limit) (dB)	结论 (Pass/Fail)
N	0.009	29.5	≥0.00	P
	0.015	41.2	≥18.6	P
	0.03	56.5	≥34.8	P
	0.05~30	49	≥40.0	P
L1	0.009	28.7	≥0.00	P
	0.015	40.9	≥18.6	P
	0.03	57.2	≥34.8	P
	0.05~30	60.8	≥40.0	P

5 相位(Phase)

线路 (Line)	频率 (Frequency) (MHz)	标称值 (Nominal) (°)	标准值 (Reference) (°)	误差 (Error) (°)	允许误差 (Limit) (°)	结论 (Pass/Fail)
N	0.009	26.55	31.68	-5.13	±11.50	P
	0.015	38.41	32.87	5.54	±11.50	P
	0.03	56.40	50.81	5.59	±11.50	P
	0.04	56.23	52.63	3.6	±11.50	P
	0.05	55.40	53.90	1.5	±11.50	P
	0.06	54.19	53.96	0.23	±11.50	P
	0.07	52.77	53.30	-0.53	±11.50	P
	0.08	51.22	52.26	-1.04	±11.50	P
	0.09	43.35	50.95	-7.6	±11.50	P
	0.10	43.11	49.52	-6.41	±11.50	P
	0.15	38.51	42.10	-3.59	±11.50	P
	0.17	32.48	39.40	-6.92	±11.50	P
	0.20	27.95	35.74	-7.79	±11.50	P
	0.25	24.45	30.72	-6.27	±11.50	P
	0.30	21.70	26.79	-5.09	±11.50	P
	0.35	17.66	23.66	-6	±11.50	P
	0.40	14.86	21.15	-6.29	±11.50	P
	0.50	12.81	17.43	-4.62	±11.50	P
	0.60	11.25	14.82	-3.57	±11.50	P
	0.70	10.03	12.91	-2.88	±11.50	P
	0.80	9.04	11.45	-2.41	±11.50	P
	0.90	7.56	10.31	-2.75	±11.50	P
	1.00	6.06	9.40	-3.34	±11.50	P
	1.20	4.55	8.03	-3.48	±11.50	P
	1.50	3.64	6.69	-3.05	±11.50	P
	2.00	3.04	5.42	-2.38	±11.50	P
	2.50	2.28	4.72	-2.44	±11.50	P
	3.00	1.82	4.33	-2.51	±11.50	P
	4.00	1.30	3.99	-2.69	±11.50	P
	5.00	0.91	3.94	-3.03	±11.50	P
	7.00	0.61	4.22	-3.61	±11.50	P
	10.00	0.46	5.00	-4.54	±11.50	P
	15.00	0.30	6.77	-6.47	±11.50	P
	20.00	0.30	6.11	-5.81	±11.50	P
	30.00	0.30	7.97	-7.67	±11.50	P

5 相位(Phase,cont'd)

线路 (Line)	频率 (Frequency) (MHz)	标称值 (Nominal) (°)	标准值 (Reference) (°)	误差 (Error) (°)	允许误差 (Limit) (°)	结论 (Pass/Fail)
L1	0.009	26.55	32.36	-5.81	±11.50	P
	0.015	38.41	32.01	6.4	±11.50	P
	0.03	56.40	49.21	7.19	±11.50	P
	0.04	56.23	53.13	3.1	±11.50	P
	0.05	55.40	54.32	1.08	±11.50	P
	0.06	54.19	54.22	-0.03	±11.50	P
	0.07	52.77	53.55	-0.78	±11.50	P
	0.08	51.22	52.70	-1.48	±11.50	P
	0.09	43.35	51.91	-8.56	±11.50	P
	0.10	43.11	49.87	-6.76	±11.50	P
	0.15	38.51	42.37	-3.86	±11.50	P
	0.17	32.48	39.59	-7.11	±11.50	P
	0.20	27.95	35.82	-7.87	±11.50	P
	0.25	24.45	30.75	-6.3	±11.50	P
	0.30	21.70	26.87	-5.17	±11.50	P
	0.35	17.66	23.66	-6	±11.50	P
	0.40	14.86	21.12	-6.26	±11.50	P
	0.50	12.81	17.35	-4.54	±11.50	P
	0.60	11.25	14.65	-3.4	±11.50	P
	0.70	10.03	13.02	-2.99	±11.50	P
	0.80	9.04	11.24	-2.2	±11.50	P
	0.90	7.56	10.08	-2.52	±11.50	P
	1.00	6.06	9.09	-3.03	±11.50	P
	1.20	4.55	7.75	-3.2	±11.50	P
	1.50	3.64	6.30	-2.66	±11.50	P
	2.00	3.04	4.89	-1.85	±11.50	P
	2.50	2.28	3.95	-1.67	±11.50	P
	3.00	1.82	3.36	-1.54	±11.50	P
	4.00	1.30	2.78	-1.48	±11.50	P
	5.00	0.91	2.43	-1.52	±11.50	P
	7.00	0.61	2.20	-1.59	±11.50	P
	10.00	0.46	2.08	-1.62	±11.50	P
	15.00	0.30	2.53	-2.23	±11.50	P
	20.00	0.30	-0.23	0.53	±11.50	P
	30.00	0.30	1.32	-1.02	±11.50	P

6 电压分压系数 (Voltage division factor) (带插头)

线路 (Line)	频率 (Frequency) (MHz)	标称值 (Nominal) (dB)	标准值 (Reference) (dB)	误差 (Error) (dB)	允许误差 (Limit) (dB)	结论 (Pass/Fail)
N	0.009	10.00	10.60	-0.60	±1.00	P
	0.015	10.00	10.40	-0.40	±1.00	P
	0.020	10.00	10.20	-0.20	±1.00	P
	0.025	10.00	10.10	-0.10	±1.00	P
	0.030	10.00	10.00	0.00	±1.00	P
	0.040	10.00	9.90	0.10	±1.00	P
	0.050	10.00	9.80	0.20	±1.00	P
	0.060	10.00	9.80	0.20	±1.00	P
	0.070	10.00	9.80	0.20	±1.00	P
	0.080	10.00	9.80	0.20	±1.00	P
	0.090	10.00	9.80	0.20	±1.00	P
	0.100	10.00	9.80	0.20	±1.00	P
	0.150	10.00	9.80	0.20	±1.00	P
	0.170	10.00	9.80	0.20	±1.00	P
	0.200	10.00	9.80	0.20	±1.00	P
	0.25	10.00	9.80	0.20	±1.00	P
	0.30	10.00	9.80	0.20	±1.00	P
	0.35	10.00	9.80	0.20	±1.00	P
	0.40	10.00	9.80	0.20	±1.00	P
	0.50	10.00	9.70	0.30	±1.00	P
	0.60	10.00	9.70	0.30	±1.00	P
	0.70	10.00	9.70	0.30	±1.00	P
	0.80	10.00	9.70	0.30	±1.00	P
	0.90	10.00	9.70	0.30	±1.00	P
	1.00	10.00	9.70	0.30	±1.00	P
	1.20	10.00	9.70	0.30	±1.00	P
	1.50	10.00	9.70	0.30	±1.00	P
	2.00	10.00	9.70	0.30	±1.00	P
	2.50	10.00	9.70	0.30	±1.00	P
	3.00	10.00	9.70	0.30	±1.00	P
	4.00	10.00	9.70	0.30	±1.00	P
	5.00	10.00	9.70	0.30	±1.00	P
	7.00	10.00	9.90	0.10	±1.00	P
	10.00	10.00	10.00	0.00	±1.00	P
	15.00	10.00	10.20	-0.20	±1.00	P
	20.00	10.00	10.60	-0.60	±1.00	P
	30.00	10.00	11.00	-1.00	±1.00	P

6 电压分压系数 (Voltage division factor) (带插头)

线路 (Line)	频率 (Frequency) (MHz)	标称值 (Nominal) (dB)	标准值 (Reference) (dB)	误差 (Error) (dB)	允许误差 (Limit) (dB)	结论 (Pass/Fail)
L1	0.009	10.00	10.40	-0.40	±1.00	P
	0.015	10.00	10.90	-0.90	±1.00	P
	0.020	10.00	10.30	-0.30	±1.00	P
	0.025	10.00	10.10	-0.10	±1.00	P
	0.030	10.00	10.00	0.00	±1.00	P
	0.040	10.00	9.80	0.20	±1.00	P
	0.050	10.00	9.80	0.20	±1.00	P
	0.060	10.00	9.70	0.30	±1.00	P
	0.070	10.00	9.70	0.30	±1.00	P
	0.080	10.00	9.70	0.30	±1.00	P
	0.090	10.00	9.70	0.30	±1.00	P
	0.100	10.00	9.70	0.30	±1.00	P
	0.150	10.00	9.70	0.30	±1.00	P
	0.170	10.00	9.70	0.30	±1.00	P
	0.200	10.00	9.70	0.30	±1.00	P
	0.25	10.00	9.70	0.30	±1.00	P
	0.30	10.00	9.70	0.30	±1.00	P
	0.35	10.00	9.70	0.30	±1.00	P
	0.40	10.00	9.70	0.30	±1.00	P
	0.50	10.00	9.70	0.30	±1.00	P
	0.60	10.00	9.70	0.30	±1.00	P
	0.70	10.00	9.70	0.30	±1.00	P
	0.80	10.00	9.70	0.30	±1.00	P
	0.90	10.00	9.70	0.30	±1.00	P
	1.00	10.00	9.70	0.30	±1.00	P
	1.20	10.00	9.70	0.30	±1.00	P
	1.50	10.00	9.70	0.30	±1.00	P
	2.00	10.00	9.70	0.30	±1.00	P
	2.50	10.00	9.70	0.30	±1.00	P
	3.00	10.00	9.70	0.30	±1.00	P
	4.00	10.00	9.70	0.30	±1.00	P
	5.00	10.00	9.80	0.20	±1.00	P
	7.00	10.00	9.80	0.20	±1.00	P
	10.00	10.00	9.90	0.10	±1.00	P
	15.00	10.00	10.10	-0.10	±1.00	P
	20.00	10.00	10.40	-0.40	±1.00	P
	30.00	10.00	10.80	-0.80	±1.00	P

7 阻抗(Impedance)(带插头)

线路 (Line)	频率 (Frequency) (MHz)	标称值 (Nominal) (Ω)	标准值 (Reference) (Ω)	误差 (Error) (Ω)	允许误差 (Limit) (Ω)	结论 (Pass/Fail)
N	0.009	5.22	6.05	-0.83	±1.04	P
	0.015	6.22	6.71	-0.49	±1.24	P
	0.03	9.56	9.78	-0.22	±1.91	P
	0.04	11.99	12.20	-0.21	±2.40	P
	0.05	14.41	14.60	-0.19	±2.88	P
	0.06	16.77	16.90	-0.13	±3.35	P
	0.07	19.04	19.16	-0.12	±3.81	P
	0.08	21.19	21.24	-0.05	±4.24	P
	0.09	23.22	23.25	-0.03	±4.64	P
	0.10	25.11	25.04	0.07	±5.02	P
	0.15	32.72	32.42	0.30	±6.54	P
	0.17	36.50	34.66	1.84	±7.30	P
	0.20	39.12	37.39	1.73	±7.82	P
	0.25	42.18	40.54	1.64	±8.44	P
	0.30	44.17	42.75	1.42	±8.83	P
	0.35	45.52	44.28	1.24	±9.10	P
	0.40	46.46	45.31	1.15	±9.29	P
	0.50	47.65	46.71	0.94	±9.53	P
	0.60	48.33	47.55	0.78	±9.67	P
	0.70	48.76	48.05	0.71	±9.75	P
	0.80	49.04	48.42	0.62	±9.81	P
	0.90	49.24	48.64	0.60	±9.85	P
	1.00	49.38	48.81	0.57	±9.88	P
	1.20	49.57	49.15	0.42	±9.91	P
	1.50	49.72	49.29	0.43	±9.94	P
	2.00	49.84	49.48	0.36	±9.97	P
	2.50	49.90	49.64	0.26	±9.98	P
	3.00	49.93	49.72	0.21	±9.99	P
	4.00	49.96	49.92	0.04	±9.99	P
	5.00	49.98	50.04	-0.06	±10.00	P
	7.00	49.99	50.43	-0.44	±10.00	P
	10.00	49.99	51.02	-1.03	±10.00	P
	15.00	50.00	53.52	-3.52	±10.00	P
	20.00	50.00	53.76	-3.76	±10.00	P
	30.00	50.00	53.92	-3.92	±10.00	P

7 阻抗(Impedance,cont'd)(带插头)

线路 (Line)	频率 (Frequency) (MHz)	标称值 (Nominal) (Ω)	标准值 (Reference) (Ω)	误差 (Error) (Ω)	允许误差 (Limit) (Ω)	结论 (Pass/Fail)
L1	0.009	5.22	5.63	-0.41	±1.04	P
	0.015	6.22	7.03	-0.81	±1.24	P
	0.03	9.56	9.91	-0.35	±1.91	P
	0.04	11.99	12.31	-0.32	±2.40	P
	0.05	14.41	14.78	-0.37	±2.88	P
	0.06	16.77	17.14	-0.37	±3.35	P
	0.07	19.04	19.40	-0.36	±3.81	P
	0.08	21.19	21.43	-0.24	±4.24	P
	0.09	23.22	23.44	-0.22	±4.64	P
	0.10	25.11	25.31	-0.20	±5.02	P
	0.15	32.72	32.79	-0.07	±6.54	P
	0.17	36.50	34.97	1.53	±7.30	P
	0.20	39.12	37.77	1.35	±7.82	P
	0.25	42.18	41.02	1.16	±8.44	P
	0.30	44.17	43.20	0.97	±8.83	P
	0.35	45.52	44.65	0.87	±9.10	P
	0.40	46.46	45.78	0.68	±9.29	P
	0.50	47.65	47.16	0.49	±9.53	P
	0.60	48.33	48.00	0.33	±9.67	P
	0.70	48.76	48.54	0.22	±9.75	P
	0.80	49.04	48.89	0.15	±9.81	P
	0.90	49.24	49.21	0.03	±9.85	P
	1.00	49.38	49.39	-0.01	±9.88	P
	1.20	49.57	49.60	-0.03	±9.91	P
	1.50	49.72	49.85	-0.13	±9.94	P
	2.00	49.84	50.04	-0.20	±9.97	P
	2.50	49.90	50.09	-0.19	±9.98	P
	3.00	49.93	50.27	-0.34	±9.99	P
	4.00	49.96	50.35	-0.39	±9.99	P
	5.00	49.98	50.45	-0.47	±10.00	P
	7.00	49.99	50.58	-0.59	±10.00	P
	10.00	49.99	50.97	-0.98	±10.00	P
	15.00	50.00	52.35	-2.35	±10.00	P
	20.00	50.00	52.73	-2.73	±10.00	P
	30.00	50.00	51.64	-1.64	±10.00	P

附(Appendix):

关于测量结果不确定度的说明

(Directions of measurement uncertainty)

1 依据 (Reference Document)

JJF 1059.1-2012 测量不确定度评定与表示

(JJF 1059.1-2012 Evaluation and Expression of Uncertainty in Measurement)

2 本次测量结果的扩展不确定度(The expanded uncertainty of the measurement results)($k=2$)

2.1 电压分压系数 (Voltage division factor) 0.20dB

2.2 阻抗(Impedance) 0.5%

以下空白/No data hereafter

