

SAMPLE

検査成績表
<TEST REPORT>HIOKI
HIOKI E.E. CORPORATION

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品名<Model Name> (インピーダンスアナライザ)
形名<Model Number> (IM7580)
製造番号<Serial No.> (No. 170995178)
検査年月日<Test Date> (2017-09-13)
(<YYYY-MM-DD>)
検査条件<Test Conditions> (23.1 °C, 50 %rh)

1. 測定精度<Measurement Accuracy>

*1

項目 <Item>	設定値 <Setup Value>	標準器(校正値) <Standard>(Calibration)	許容範囲 <Tolerance>	測定値 <Measured Value>
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-1. 測定周波数<Measurement frequency>

1MHz	7dBm	—	999900 Hz ~ 1000100 Hz	(999998 Hz)
100MHz	7dBm	—	99990000 Hz ~ 100010000 Hz	(99999845 Hz)

-2. 測定信号レベル<Measurement signal level>

1MHz	+7dBm	—	5.00 dBm ~ 9.00 dBm	(7.01 dBm)
100MHz	+7dBm	—	5.00 dBm ~ 9.00 dBm	(7.02 dBm)
	+6.5dBm	—	4.50 dBm ~ 8.50 dBm	(6.50 dBm)
	+6dBm	—	4.00 dBm ~ 8.00 dBm	(6.03 dBm)
	+4dBm	—	2.00 dBm ~ 6.00 dBm	(4.02 dBm)
	0dBm	—	-2.00 dBm ~ 2.00 dBm	(0.02 dBm)
	-8dBm	—	-10.00 dBm ~ -6.00 dBm	(-7.98 dBm)
	-13dBm	—	-15.00 dBm ~ -11.00 dBm	(-12.98 dBm)
	-40dBm	—	-42.00 dBm ~ -38.00 dBm	(-39.97 dBm)
200MHz	+7dBm	—	5.00 dBm ~ 9.00 dBm	(7.02 dBm)
300MHz	+7dBm	—	5.00 dBm ~ 9.00 dBm	(7.04 dBm)

備考<Note>

*1. FAIL判定箇所は、グレー表示としています。<FAIL decision points are highlighted in gray.>

総合判定<Overall Result>

(PASS)

検査者<Inspected By>

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承認者<Approved By>

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<TEST REPORT>

製造番号<Serial No.> (No. 170995178)
検査年月日<Test Date> (2017-09-13)
(YYYY-MM-DD)

項目	設定値	標準器(校正値)	許容範囲	表示値
<Item>	<Setup Value>	<Standard>(Calibration)	<Tolerance>	<Indicated Value>

-3. 精度<Accuracy>

(Sample: OPEN)

100MHz	7dBm	Z	2.52627 kΩ (	2.55000 kΩ)	2.23107 kΩ ~	2.86893 kΩ	(2.54483 kΩ)
300MHz	7dBm	Z	842.090 Ω (	850.300 Ω)	790.147 Ω ~	910.453 Ω	(849.915 Ω)
100MHz	-3dBm	Z	2.52627 kΩ (	2.55000 kΩ)	2.23107 kΩ ~	2.86893 kΩ	(2.55123 kΩ)
300MHz	-3dBm	Z	842.090 Ω (	850.300 Ω)	790.147 Ω ~	910.453 Ω	(848.847 Ω)
100MHz	-23dBm	Z	2.52627 kΩ (	2.55000 kΩ)	2.15496 kΩ ~	2.94504 kΩ	(2.55425 kΩ)
300MHz	-23dBm	Z	842.090 Ω (	850.300 Ω)	780.552 Ω ~	920.048 Ω	(848.274 Ω)
100MHz	-30dBm	Z	2.52627 kΩ (	2.55000 kΩ)	2.05348 kΩ ~	3.04652 kΩ	(2.54238 kΩ)
300MHz	-30dBm	Z	842.090 Ω (	850.300 Ω)	767.651 Ω ~	932.949 Ω	(847.862 Ω)

(Sample: LOAD(50Ω))

1MHz	7dBm	Z	50.0000 Ω (	50.0200 Ω)	49.6491 Ω ~	50.3909 Ω	(50.0535 Ω)
		θ	0.000 ° (	0.000 °)	-0.430 ° ~	0.430 °	(0.028 °)
10MHz	7dBm	Z	50.0000 Ω (	50.0200 Ω)	49.6412 Ω ~	50.3988 Ω	(50.0760 Ω)
		θ	0.000 ° (	0.010 °)	-0.429 ° ~	0.449 °	(-0.002 °)
100MHz	7dBm	Z	50.0000 Ω (	50.0400 Ω)	49.5823 Ω ~	50.4977 Ω	(50.0707 Ω)
		θ	0.000 ° (	0.030 °)	-0.500 ° ~	0.560 °	(-0.006 °)
300MHz	7dBm	Z	50.0000 Ω (	50.0800 Ω)	49.4436 Ω ~	50.7164 Ω	(50.0687 Ω)
		θ	0.000 ° (	0.050 °)	-0.687 ° ~	0.787 °	(-0.009 °)
1MHz	-3dBm	Z	50.0000 Ω (	50.0200 Ω)	49.6491 Ω ~	50.3909 Ω	(50.0546 Ω)
		θ	0.000 ° (	0.000 °)	-0.430 ° ~	0.430 °	(0.025 °)
10MHz	-3dBm	Z	50.0000 Ω (	50.0200 Ω)	49.6412 Ω ~	50.3988 Ω	(50.0746 Ω)
		θ	0.000 ° (	0.010 °)	-0.429 ° ~	0.449 °	(-0.004 °)
100MHz	-3dBm	Z	50.0000 Ω (	50.0400 Ω)	49.5823 Ω ~	50.4977 Ω	(50.0730 Ω)
		θ	0.000 ° (	0.030 °)	-0.500 ° ~	0.560 °	(-0.005 °)
300MHz	-3dBm	Z	50.0000 Ω (	50.0800 Ω)	49.4436 Ω ~	50.7164 Ω	(50.0635 Ω)
		θ	0.000 ° (	0.050 °)	-0.687 ° ~	0.787 °	(-0.015 °)
1MHz	-23dBm	Z	50.0000 Ω (	50.0200 Ω)	49.5269 Ω ~	50.5131 Ω	(50.0527 Ω)
		θ	0.000 ° (	0.000 °)	-0.571 ° ~	0.571 °	(0.019 °)
10MHz	-23dBm	Z	50.0000 Ω (	50.0200 Ω)	49.5191 Ω ~	50.5209 Ω	(50.0801 Ω)
		θ	0.000 ° (	0.010 °)	-0.570 ° ~	0.590 °	(0.002 °)
100MHz	-23dBm	Z	50.0000 Ω (	50.0400 Ω)	49.4601 Ω ~	50.6199 Ω	(50.0709 Ω)
		θ	0.000 ° (	0.030 °)	-0.642 ° ~	0.702 °	(-0.010 °)
300MHz	-23dBm	Z	50.0000 Ω (	50.0800 Ω)	49.3030 Ω ~	50.8570 Ω	(50.0606 Ω)
		θ	0.000 ° (	0.050 °)	-0.849 ° ~	0.949 °	(-0.014 °)
1MHz	-30dBm	Z	50.0000 Ω (	50.0200 Ω)	49.3635 Ω ~	50.6765 Ω	(50.0673 Ω)
		θ	0.000 ° (	0.000 °)	-0.761 ° ~	0.761 °	(0.045 °)
10MHz	-30dBm	Z	50.0000 Ω (	50.0200 Ω)	49.3556 Ω ~	50.6844 Ω	(50.0810 Ω)
		θ	0.000 ° (	0.010 °)	-0.760 ° ~	0.780 °	(-0.011 °)
100MHz	-30dBm	Z	50.0000 Ω (	50.0400 Ω)	49.2965 Ω ~	50.7835 Ω	(50.0667 Ω)
		θ	0.000 ° (	0.030 °)	-0.831 ° ~	0.891 °	(-0.012 °)
300MHz	-30dBm	Z	50.0000 Ω (	50.0800 Ω)	49.1086 Ω ~	51.0514 Ω	(50.0602 Ω)
		θ	0.000 ° (	0.050 °)	-1.075 ° ~	1.175 °	(-0.016 °)

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製造番号<Serial No.> (No. 170995178)
 検査年月日<Test Date> (2017-09-13)
 <YYYY-MM-DD>

										*1		
項目	設定値		標準器(校正値)				許容範囲		表示値			
<Item>	<Setup Value>		<Standard>(Calibration)				<Tolerance>		<Indicated Value>			
(Sample: Airline OPEN)												
10MHz	7dBm	Z	2.17944	kΩ	(	2.18100	kΩ	)	2.00828	kΩ ~ 2.35372	kΩ (2.17888	kΩ)
		θ	-90.000	°	(	-90.000	°	)	-94.593	° ~ -85.407	° (-89.514	°)
100MHz	7dBm	Z	214.148	Ω	(	214.290	Ω	)	210.906	Ω ~ 217.674	Ω (214.143	Ω)
		θ	-90.000	°	(	-89.990	°	)	-90.906	° ~ -89.074	° (-90.081	°)
300MHz	7dBm	Z	60.8213	Ω	(	60.8800	Ω	)	60.0931	Ω ~ 61.6669	Ω (61.0014	Ω)
		θ	-90.000	°	(	-89.950	°	)	-90.699	° ~ -89.201	° (-90.149	°)
10MHz	-3dBm	Z	2.17944	kΩ	(	2.18100	kΩ	)	2.00828	kΩ ~ 2.35372	kΩ (2.18418	kΩ)
		θ	-90.000	°	(	-90.000	°	)	-94.593	° ~ -85.407	° (-89.534	°)
100MHz	-3dBm	Z	214.148	Ω	(	214.290	Ω	)	210.906	Ω ~ 217.674	Ω (214.449	Ω)
		θ	-90.000	°	(	-89.990	°	)	-90.906	° ~ -89.074	° (-90.069	°)
300MHz	-3dBm	Z	60.8213	Ω	(	60.8800	Ω	)	60.0931	Ω ~ 61.6669	Ω (60.8678	Ω)
		θ	-90.000	°	(	-89.950	°	)	-90.699	° ~ -89.201	° (-90.072	°)
10MHz	-23dBm	Z	2.17944	kΩ	(	2.18100	kΩ	)	1.95169	kΩ ~ 2.41031	kΩ (2.18273	kΩ)
		θ	-90.000	°	(	-90.000	°	)	-96.098	° ~ -83.902	° (-89.616	°)
100MHz	-23dBm	Z	214.148	Ω	(	214.290	Ω	)	210.062	Ω ~ 218.518	Ω (214.494	Ω)
		θ	-90.000	°	(	-89.990	°	)	-91.134	° ~ -88.846	° (-90.061	°)
300MHz	-23dBm	Z	60.8213	Ω	(	60.8800	Ω	)	59.9197	Ω ~ 61.8403	Ω (60.8442	Ω)
		θ	-90.000	°	(	-89.950	°	)	-90.864	° ~ -89.036	° (-90.044	°)
10MHz	-30dBm	Z	2.17944	kΩ	(	2.18100	kΩ	)	1.87624	kΩ ~ 2.48576	kΩ (2.18956	kΩ)
		θ	-90.000	°	(	-90.000	°	)	-98.104	° ~ -81.896	° (-89.988	°)
100MHz	-30dBm	Z	214.148	Ω	(	214.290	Ω	)	208.938	Ω ~ 219.642	Ω (214.437	Ω)
		θ	-90.000	°	(	-89.990	°	)	-91.438	° ~ -88.542	° (-90.034	°)
300MHz	-30dBm	Z	60.8213	Ω	(	60.8800	Ω	)	59.6803	Ω ~ 62.0797	Ω (60.8506	Ω)
		θ	-90.000	°	(	-89.950	°	)	-91.093	° ~ -88.807	° (-90.027	°)

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(<YYYY-MM-DD>)

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項目	設定値		標準器(校正値)				許容範囲			表示値		
<Item>	<Setup Value>		<Standard>(Calibration)				<Tolerance>			<Indicated Value>		
(Sample: Airline SHORT)												
1MHz	7dBm	Z	0.10479	Ω	(	0.11350	Ω	)	0.08648	Ω ~ 0.14052	Ω (0.11437	Ω)
		θ	90.000	°	(	85.740	°	)	71.928	° ~ 99.552	° (84.478	°)
10MHz	7dBm	Z	1.04808	Ω	(	1.0745	Ω	)	1.03914	Ω ~ 1.10986	Ω (1.07806	Ω)
		θ	90.000	°	(	88.580	°	)	86.672	° ~ 90.488	° (88.177	°)
100MHz	7dBm	Z	10.6354	Ω	(	10.7160	Ω	)	10.5794	Ω ~ 10.8526	Ω (10.7328	Ω)
		θ	90.000	°	(	89.530	°	)	88.791	° ~ 90.269	° (89.489	°)
300MHz	7dBm	Z	36.3604	Ω	(	36.5300	Ω	)	36.0567	Ω ~ 37.0033	Ω (36.3695	Ω)
		θ	90.000	°	(	89.690	°	)	88.939	° ~ 90.441	° (89.529	°)
1MHz	-3dBm	Z	0.10479	Ω	(	0.11350	Ω	)	0.08648	Ω ~ 0.14052	Ω (0.11444	Ω)
		θ	90.000	°	(	85.740	°	)	71.928	° ~ 99.552	° (84.276	°)
10MHz	-3dBm	Z	1.04808	Ω	(	1.07450	Ω	)	1.03914	Ω ~ 1.10986	Ω (1.07706	Ω)
		θ	90.000	°	(	88.580	°	)	86.672	° ~ 90.488	° (88.162	°)
100MHz	-3dBm	Z	10.6354	Ω	(	10.7160	Ω	)	10.5794	Ω ~ 10.8526	Ω (10.7268	Ω)
		θ	90.000	°	(	89.530	°	)	88.791	° ~ 90.269	° (89.480	°)
300MHz	-3dBm	Z	36.3604	Ω	(	36.5300	Ω	)	36.0567	Ω ~ 37.0033	Ω (36.4872	Ω)
		θ	90.000	°	(	89.690	°	)	88.939	° ~ 90.441	° (89.638	°)
1MHz	-23dBm	Z	0.10479	Ω	(	0.11350	Ω	)	0.06131	Ω ~ 0.16569	Ω (0.11412	Ω)
		θ	90.000	°	(	85.740	°	)	59.069	° ~ 112.411	° (85.463	°)
10MHz	-23dBm	Z	1.04808	Ω	(	1.07450	Ω	)	1.01394	Ω ~ 1.13506	Ω (1.07783	Ω)
		θ	90.000	°	(	88.580	°	)	85.311	° ~ 91.849	° (88.270	°)
100MHz	-23dBm	Z	10.6354	Ω	(	10.7160	Ω	)	10.5397	Ω ~ 10.8923	Ω (10.7249	Ω)
		θ	90.000	°	(	89.530	°	)	88.576	° ~ 90.484	° (89.476	°)
300MHz	-23dBm	Z	36.3604	Ω	(	36.5300	Ω	)	35.9534	Ω ~ 37.1066	Ω (36.5171	Ω)
		θ	90.000	°	(	89.690	°	)	88.775	° ~ 90.605	° (89.635	°)
1MHz	-30dBm	Z	0.10479	Ω	(	0.11350	Ω	)	0.02697	Ω ~ 0.20003	Ω (0.11538	Ω)
		θ	90.000	°	(	85.740	°	)	41.519	° ~ 129.961	° (84.016	°)
10MHz	-30dBm	Z	1.04808	Ω	(	1.07450	Ω	)	0.97959	Ω ~ 1.16941	Ω (1.07546	Ω)
		θ	90.000	°	(	88.580	°	)	83.457	° ~ 93.703	° (88.583	°)
100MHz	-30dBm	Z	10.6354	Ω	(	10.7160	Ω	)	10.4860	Ω ~ 10.9460	Ω (10.7217	Ω)
		θ	90.000	°	(	89.530	°	)	88.285	° ~ 90.775	° (89.466	°)
300MHz	-30dBm	Z	36.3604	Ω	(	36.5300	Ω	)	35.8104	Ω ~ 37.2496	Ω (36.5319	Ω)
		θ	90.000	°	(	89.690	°	)	88.548	° ~ 90.832	° (89.618	°)