

# SAMPLE 検査成績表

## <TEST REPORT>

品名<Model Name> ( インピーダンスアナライザ<IMPEDANCE ANALYZER> )  
 形名<Model Number> ( IM7580A-1 )  
 製造番号<Serial No.> ( No. 170899428 )  
 検査年月日<Test Date> ( 2017-08-30 )  
 ( <YYYY-MM-DD> )  
 検査条件<Test Conditions> ( 24.9 °C, 59 %rh )

### 1. 測定精度<Measurement Accuracy>

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

1MHz	7dBm	-	999900 Hz ~	1000100 Hz	( 999999 Hz )
100MHz	7dBm	-	99990000 Hz ~	100010000 Hz	( 99999867 Hz )

#### -2. 測定信号レベル<Measurement Signal Level>

1MHz	7dBm	-	5.00 dBm ~	9.00 dBm	( 7.03 dBm )
100MHz	7dBm	-	5.00 dBm ~	9.00 dBm	( 7.03 dBm )
	6.5dBm	-	4.50 dBm ~	8.50 dBm	( 6.52 dBm )
	6dBm	-	4.00 dBm ~	8.00 dBm	( 6.04 dBm )
	3dBm	-	1.00 dBm ~	5.00 dBm	( 3.03 dBm )
	-1dBm	-	-3.00 dBm ~	1.00 dBm	( -0.95 dBm )
	-9dBm	-	-11.00 dBm ~	-7.00 dBm	( -8.96 dBm )
200MHz	-13dBm	-	-15.00 dBm ~	-11.00 dBm	( -12.97 dBm )
	-40dBm	-	-42.00 dBm ~	-38.00 dBm	( -40.02 dBm )
	7dBm	-	5.00 dBm ~	9.00 dBm	( 7.03 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> ( )	承認者<Approved By> ( )
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項目 <Item>	設定値 <Setup Value>	標準器(校正値) <Standard(Calibration)>	許容範囲 <Tolerance>	校正値 <Calibration Value>
*1				
<b>-3. 確度&lt;Accuracy&gt;</b>				
(Sample: OPEN)				
7dBm	100MHz	Z 2526.27 Ω ( 2548.42 Ω )	2227.01 Ω ~ 2869.83 Ω	( 2542.66 Ω )
	300MHz	Z 842.090 Ω ( 851.064 Ω )	790.267 Ω ~ 911.860 Ω	( 847.074 Ω )
-3dBm	100MHz	Z 2526.27 Ω ( 2548.42 Ω )	2227.01 Ω ~ 2869.83 Ω	( 2547.17 Ω )
	300MHz	Z 842.090 Ω ( 851.064 Ω )	790.267 Ω ~ 911.860 Ω	( 847.188 Ω )
-23dBm	100MHz	Z 2526.27 Ω ( 2548.42 Ω )	2150.31 Ω ~ 2946.53 Ω	( 2537.71 Ω )
	300MHz	Z 842.090 Ω ( 851.064 Ω )	780.578 Ω ~ 921.550 Ω	( 847.101 Ω )
-30dBm	100MHz	Z 2526.27 Ω ( 2548.42 Ω )	2048.05 Ω ~ 3048.79 Ω	( 2561.36 Ω )
	300MHz	Z 842.090 Ω ( 851.064 Ω )	767.552 Ω ~ 934.576 Ω	( 848.711 Ω )
(Sample: LOAD(50Ω))				
7dBm	1MHz	Z 50.0000 Ω ( 50.0200 Ω )	49.6491 Ω ~ 50.3909 Ω	( 50.0705 Ω )
		θ 0.000 ° ( 0.000 ° )	-0.430 ° ~ 0.430 °	( 0.021 ° )
	10MHz	Z 50.0000 Ω ( 50.0200 Ω )	49.6412 Ω ~ 50.3988 Ω	( 50.0696 Ω )
		θ 0.000 ° ( 0.010 ° )	-0.429 ° ~ 0.449 °	( -0.003 ° )
	100MHz	Z 50.0000 Ω ( 50.0400 Ω )	49.5822 Ω ~ 50.4978 Ω	( 50.0647 Ω )
		θ 0.000 ° ( 0.030 ° )	-0.500 ° ~ 0.560 °	( -0.005 ° )
	300MHz	Z 50.0000 Ω ( 50.0700 Ω )	49.4337 Ω ~ 50.7063 Ω	( 50.0585 Ω )
		θ 0.000 ° ( 0.040 ° )	-0.697 ° ~ 0.777 °	( -0.024 ° )
-3dBm	1MHz	Z 50.0000 Ω ( 50.0200 Ω )	49.6491 Ω ~ 50.3909 Ω	( 50.0712 Ω )
		θ 0.000 ° ( 0.000 ° )	-0.430 ° ~ 0.430 °	( 0.020 ° )
	10MHz	Z 50.0000 Ω ( 50.0200 Ω )	49.6412 Ω ~ 50.3988 Ω	( 50.0673 Ω )
		θ 0.000 ° ( 0.010 ° )	-0.429 ° ~ 0.449 °	( -0.004 ° )
	100MHz	Z 50.0000 Ω ( 50.0400 Ω )	49.5822 Ω ~ 50.4978 Ω	( 50.0661 Ω )
		θ 0.000 ° ( 0.030 ° )	-0.500 ° ~ 0.560 °	( -0.008 ° )
	300MHz	Z 50.0000 Ω ( 50.0700 Ω )	49.4337 Ω ~ 50.7063 Ω	( 50.0580 Ω )
		θ 0.000 ° ( 0.040 ° )	-0.697 ° ~ 0.777 °	( -0.026 ° )
-23dBm	1MHz	Z 50.0000 Ω ( 50.0200 Ω )	49.5269 Ω ~ 50.5131 Ω	( 50.0770 Ω )
		θ 0.000 ° ( 0.000 ° )	-0.571 ° ~ 0.571 °	( 0.021 ° )
	10MHz	Z 50.0000 Ω ( 50.0200 Ω )	49.5190 Ω ~ 50.5210 Ω	( 50.0664 Ω )
		θ 0.000 ° ( 0.010 ° )	-0.570 ° ~ 0.590 °	( -0.004 ° )
	100MHz	Z 50.0000 Ω ( 50.0400 Ω )	49.4600 Ω ~ 50.6200 Ω	( 50.0661 Ω )
		θ 0.000 ° ( 0.030 ° )	-0.642 ° ~ 0.702 °	( -0.011 ° )
	300MHz	Z 50.0000 Ω ( 50.0700 Ω )	49.2931 Ω ~ 50.8469 Ω	( 50.0600 Ω )
		θ 0.000 ° ( 0.040 ° )	-0.859 ° ~ 0.939 °	( -0.031 ° )
-30dBm	1MHz	Z 50.0000 Ω ( 50.0200 Ω )	49.3634 Ω ~ 50.6766 Ω	( 50.0699 Ω )
		θ 0.000 ° ( 0.000 ° )	-0.761 ° ~ 0.761 °	( 0.021 ° )
	10MHz	Z 50.0000 Ω ( 50.0200 Ω )	49.3555 Ω ~ 50.6845 Ω	( 50.0695 Ω )
		θ 0.000 ° ( 0.010 ° )	-0.760 ° ~ 0.780 °	( -0.002 ° )
	100MHz	Z 50.0000 Ω ( 50.0400 Ω )	49.2965 Ω ~ 50.7835 Ω	( 50.0827 Ω )
		θ 0.000 ° ( 0.030 ° )	-0.831 ° ~ 0.891 °	( -0.003 ° )
	300MHz	Z 50.0000 Ω ( 50.0700 Ω )	49.0987 Ω ~ 51.0413 Ω	( 50.0250 Ω )
		θ 0.000 ° ( 0.040 ° )	-1.085 ° ~ 1.165 °	( -0.034 ° )
(Sample: Airline OPEN)				
7dBm	10MHz	Z 2179.44 Ω ( 2181.40 Ω )	2008.50 Ω ~ 2354.30 Ω	( 2174.08 Ω )
		θ -90.000 ° ( -90.000 ° )	-94.597 ° ~ -85.403 °	( -90.100 ° )
	100MHz	Z 214.148 Ω ( 214.330 Ω )	210.943 Ω ~ 217.717 Ω	( 214.130 Ω )
		θ -90.000 ° ( -89.990 ° )	-90.906 ° ~ -89.074 °	( -90.086 ° )
	300MHz	Z 60.8213 Ω ( 60.8800 Ω )	60.0930 Ω ~ 61.6670 Ω	( 60.9070 Ω )
		θ -90.000 ° ( -89.960 ° )	-90.709 ° ~ -89.211 °	( -90.115 ° )

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**-3. 精度<Accuracy>**

(Sample: Airline OPEN)

-3dBm	10MHz	Z	2179.44 Ω ( 2181.40 Ω )	2008.50 Ω ~ 2354.30 Ω	( 2181.29 Ω )
		θ	-90.000 ° ( -90.000 ° )	-94.597 ° ~ -85.403 °	( -90.013 ° )
	100MHz	Z	214.148 Ω ( 214.330 Ω )	210.943 Ω ~ 217.717 Ω	( 214.491 Ω )
		θ	-90.000 ° ( -89.990 ° )	-90.906 ° ~ -89.074 °	( -90.045 ° )
	300MHz	Z	60.8213 Ω ( 60.8800 Ω )	60.0930 Ω ~ 61.6670 Ω	( 60.8058 Ω )
		θ	-90.000 ° ( -89.960 ° )	-90.709 ° ~ -89.211 °	( -90.039 ° )
-23dBm	10MHz	Z	2179.44 Ω ( 2181.40 Ω )	1951.85 Ω ~ 2410.95 Ω	( 2183.19 Ω )
		θ	-90.000 ° ( -90.000 ° )	-96.103 ° ~ -83.897 °	( -90.017 ° )
	100MHz	Z	214.148 Ω ( 214.330 Ω )	210.099 Ω ~ 218.561 Ω	( 214.428 Ω )
		θ	-90.000 ° ( -89.990 ° )	-91.134 ° ~ -88.846 °	( -90.027 ° )
	300MHz	Z	60.8213 Ω ( 60.8800 Ω )	59.9196 Ω ~ 61.8404 Ω	( 60.8047 Ω )
		θ	-90.000 ° ( -89.960 ° )	-90.875 ° ~ -89.045 °	( -90.019 ° )
-30dBm	10MHz	Z	2179.44 Ω ( 2181.40 Ω )	1876.32 Ω ~ 2486.48 Ω	( 2178.38 Ω )
		θ	-90.000 ° ( -90.000 ° )	-98.111 ° ~ -81.889 °	( -90.196 ° )
	100MHz	Z	214.148 Ω ( 214.330 Ω )	208.974 Ω ~ 219.686 Ω	( 214.519 Ω )
		θ	-90.000 ° ( -89.990 ° )	-91.439 ° ~ -88.541 °	( -90.011 ° )
	300MHz	Z	60.8213 Ω ( 60.8800 Ω )	59.6801 Ω ~ 62.0799 Ω	( 60.8241 Ω )
		θ	-90.000 ° ( -89.960 ° )	-91.103 ° ~ -88.817 °	( -89.987 ° )

(Sample: Airline SHORT)

7dBm	1MHz	Z	0.10479 Ω ( 0.11350 Ω )	0.08850 Ω ~ 0.13850 Ω	( 0.11437 Ω )
		θ	90.000 ° ( 85.740 ° )	72.964 ° ~ 98.516 °	( 84.289 ° )
	10MHz	Z	1.04808 Ω ( 1.07450 Ω )	1.03987 Ω ~ 1.10913 Ω	( 1.07946 Ω )
		θ	90.000 ° ( 88.580 ° )	86.711 ° ~ 90.449 °	( 88.346 ° )
	100MHz	Z	10.6354 Ω ( 10.7170 Ω )	10.5809 Ω ~ 10.8531 Ω	( 10.7328 Ω )
		θ	90.000 ° ( 89.530 ° )	88.794 ° ~ 90.266 °	( 89.455 ° )
	300MHz	Z	36.3604 Ω ( 36.5300 Ω )	36.0571 Ω ~ 37.0029 Ω	( 36.4020 Ω )
		θ	90.000 ° ( 89.660 ° )	88.910 ° ~ 90.410 °	( 89.550 ° )
-3dBm	1MHz	Z	0.10479 Ω ( 0.11350 Ω )	0.08850 Ω ~ 0.13850 Ω	( 0.11452 Ω )
		θ	90.000 ° ( 85.740 ° )	72.964 ° ~ 98.516 °	( 84.387 ° )
	10MHz	Z	1.04808 Ω ( 1.07450 Ω )	1.03987 Ω ~ 1.10913 Ω	( 1.07800 Ω )
		θ	90.000 ° ( 88.580 ° )	86.711 ° ~ 90.449 °	( 88.345 ° )
	100MHz	Z	10.6354 Ω ( 10.7170 Ω )	10.5809 Ω ~ 10.8531 Ω	( 10.7309 Ω )
		θ	90.000 ° ( 89.530 ° )	88.794 ° ~ 90.266 °	( 89.455 ° )
	300MHz	Z	36.3604 Ω ( 36.5300 Ω )	36.0571 Ω ~ 37.0029 Ω	( 36.5131 Ω )
		θ	90.000 ° ( 89.660 ° )	88.910 ° ~ 90.410 °	( 89.656 ° )
-23dBm	1MHz	Z	0.10479 Ω ( 0.11350 Ω )	0.06526 Ω ~ 0.16174 Ω	( 0.11544 Ω )
		θ	90.000 ° ( 85.740 ° )	61.085 ° ~ 110.395 °	( 84.383 ° )
	10MHz	Z	1.04808 Ω ( 1.07450 Ω )	1.01525 Ω ~ 1.13375 Ω	( 1.07738 Ω )
		θ	90.000 ° ( 88.580 ° )	85.382 ° ~ 91.778 °	( 88.314 ° )
	100MHz	Z	10.6354 Ω ( 10.7170 Ω )	10.5413 Ω ~ 10.8927 Ω	( 10.7296 Ω )
		θ	90.000 ° ( 89.530 ° )	88.579 ° ~ 90.481 °	( 89.448 ° )
	300MHz	Z	36.3604 Ω ( 36.5300 Ω )	35.9538 Ω ~ 37.1062 Ω	( 36.5357 Ω )
		θ	90.000 ° ( 89.660 ° )	88.746 ° ~ 90.574 °	( 89.628 ° )
-30dBm	1MHz	Z	0.10479 Ω ( 0.11350 Ω )	0.03353 Ω ~ 0.19347 Ω	( 0.11088 Ω )
		θ	90.000 ° ( 85.740 ° )	44.873 ° ~ 126.607 °	( 85.916 ° )
	10MHz	Z	1.04808 Ω ( 1.07450 Ω )	0.98169 Ω ~ 1.16731 Ω	( 1.07820 Ω )
		θ	90.000 ° ( 88.580 ° )	83.571 ° ~ 93.589 °	( 88.423 ° )
	100MHz	Z	10.6354 Ω ( 10.7170 Ω )	10.4879 Ω ~ 10.9461 Ω	( 10.7330 Ω )
		θ	90.000 ° ( 89.530 ° )	88.290 ° ~ 90.770 °	( 89.474 ° )
	300MHz	Z	36.3604 Ω ( 36.5300 Ω )	35.8109 Ω ~ 37.2491 Ω	( 36.5490 Ω )
		θ	90.000 ° ( 89.660 ° )	88.519 ° ~ 90.801 °	( 89.593 ° )