

(301. 시간/주파수)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
주파수 표준기	30102	1 MHz	0.000 029 Hz	세습원자시계 주파수비교측정
		5 MHz	0.000 029 Hz	
		10 MHz	0.000 029 Hz	
주파수 발생기	30103	(주1) 1 kHz ~ 250 MHz	0.000 029 Hz	세습원자시계 주파수비교측정
주파수측정기/계수기 표준주파수와의 비교측정  10 MHz Reference Output	30104	10 MHz	0.000 005 Hz	세습원자시계/주파수측정
		10 MHz	0.000 029 Hz	

주1 : “0.1 Hz ~ 100 MHz” 의 표시방법은 0.5 Hz 초과 100 MHz 이하를 의미함.

주2 : BMC 란에 단위가 없는 숫자는 지수형태로 나타낸 상대불확도를 표시한 것임.

(401. 전기 - 직류)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
직류전류계  직류전류	40101	1 $\mu$ A	6.2 nA	Calibrator/전류측정
		10 $\mu$ A	6.5 nA	
		100 $\mu$ A	10 nA	
		1 mA	43 nA	
		10 mA	0.43 $\mu$ A	
		100 mA	5.3 $\mu$ A	
		1 A	94 $\mu$ A	
		10 A	11 $\mu$ A	
		100 A	87 mA	
		직류전압/전류교정기  직류전압  직류전류	40103	
1 V	6.2 $\mu$ V			
10 V	14 $\mu$ V			
100 V	0.16 mV			
1 000 V	2.3 mV			
100 $\mu$ A	3.6 nA			
1 mA	36 nA			
10 mA	0.34 $\mu$ A			
100 mA	6.4 $\mu$ A			
1 A	0.18 mA			
10 A	4.0 mA			
직류용 분류기  직류전류	40105	2 mA (100 $\Omega$ )	4.4 m $\Omega$	Calibrator, DMM/저항측정
		20 mA (10 $\Omega$ )	0.42 m $\Omega$	
		200 mA (1 $\Omega$ )	54 $\mu$ $\Omega$	
		2 A (0.1 $\Omega$ )	9.5 $\mu$ $\Omega$	
		20 A(0.01 $\Omega$ )	7.0 $\mu$ $\Omega$	
		100 A(0.001 $\Omega$ )	0.70 $\mu$ $\Omega$	
고전압 출력기  직류전압	40107	1 kV	5.8 V	고전압측정기, 전압측정
		2 kV	5.8 V	
		4 kV	5.8 V	
		6 kV	5.8 V	
		8 kV	5.9 V	
		10 kV	6.0 V	

(401. 전기 - 직류)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
고전압 출력기 직류전압	40107	15 kV	6.2 V	
직류전류		20 kV	6.5 V	
		25 kV	6.9 V	
		30 kV	7.4 V	
		35 kV	7.9 V	
		40 kV	8.4 V	
		45 kV	9.0 V	
		50 kV	9.6 V	
직류 고전압 프로브 DC High Voltage Probe 1 000 : 1	40109	1 kV	5.9 V	HIGH VOLTAGE TEST, OSCILLOSCOPE
Output Resistance Input Resistance		10 kV	59 V	
		20 kV	0.12 kV	
		30 kV	0.18 kV	
		40 kV	0.23 kV	
		50 kV	0.29 kV	
	1 MΩ	6.1 kΩ		
	1 GΩ	6.5 MΩ		
직류전원공급기 직류전압	40110	1 V	4.9 μV	DMM/전압측정
직류전류		10 V	42 μV	
		20 V	83 μV	
		30 V	0.24 mV	
		40 V	0.31 mV	
		50 V	0.38 mV	
		60 V	0.45 mV	
		1 A	0.18 mA	전류분류기/전류측정
		5 A	1.2 mA	
		10 A	2.4 mA	
		20 A	12 mA	
30 A	18 mA			
	40 A	23 mA		
	50 A	29 mA		
	60 A	35 mA		
직류전압계 직류전압	40114	100 μV	0.41 μV	Calibrator/전압측정
		1mV	0.42 μV	
		10 mV	0.49 μV	
		100 mV	1.3 μV	
		1 V	6.2 μV	
		10 V	44 μV	
		100 V	0.59 mV	
		1 000 V	7.3 mV	

(402. 전기 - 임피던스)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
용량지시계 용량(1 kHz)	40201	10 pF	13 fF	STD.Capacitor/용량측정
		100 pF	17 fF	
		1 nF	0.10 pF	
		10 nF	5.8 pF	
		100 nF	58 pF	
		1 μF	0.19 nF	
		10 μF	6.3 nF	
		100 μF	68 nF	

(402. 전기 - 임피던스)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
계단식용량기 용량(1 kHz)	40202	10 pF Step		
		10 pF	1.0 fF	
		20 pF	2.0 fF	
		30 pF	3.0 fF	
		40 pF	4.0 fF	
		50 pF	5.0 fF	
		60 pF	6.1 fF	
		70 pF	7.1 fF	
		80 pF	8.1 fF	
		90 pF	9.1 fF	
		100 pF	10 fF	
		100 pF Step		
		100 pF	11 fF	
		200 pF	21 fF	
		300 pF	31 fF	
		400 pF	42 fF	
		500 pF	52 fF	
		600 pF	63 fF	
		700 pF	73 fF	
		800 pF	83 fF	
		900 pF	94 fF	
		1 000 pF	0.10 pF	
		1 000 pF Step		
		1 000 pF	0.10 pF	
		2 000 pF	0.20 pF	
		3 000 pF	0.30 pF	
		4 000 pF	0.40 pF	
		5 000 pF	0.50 pF	
		6 000 pF	0.60 pF	
		7 000 pF	0.71 pF	
		8 000 pF	0.81 pF	
		9 000 pF	0.91 pF	
		10 000 pF	1.0 nF	
		0.01 $\mu$ F step		
		10 nF	1.0 pF	
		20 nF	2.0 pF	
		30 nF	3.0 pF	
		40 nF	4.0 pF	
		50 nF	5.0 pF	
		60 nF	6.0 pF	
		70 nF	7.1 pF	
80 nF	8.1 pF			
90 nF	9.1 pF			
100 nF	10 pF			
0.1 $\mu$ F step				
100 nF	10 pF			
200 nF	20 pF			
300 nF	30 pF			
400 nF	40 pF			
500 nF	50 pF			
600 nF	60 pF			
700 nF	70 pF			
800 nF	81 pF			
900 nF	91 pF			
1 000 nF	0.10 nF			

(402. 전기 - 임피던스)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
계단식용량기 용량(1 kHz)	40202	1 $\mu\text{F}$ step 1 $\mu\text{F}$ 2 $\mu\text{F}$ 3 $\mu\text{F}$ 4 $\mu\text{F}$ 5 $\mu\text{F}$ 6 $\mu\text{F}$ 7 $\mu\text{F}$ 8 $\mu\text{F}$ 9 $\mu\text{F}$ 10 $\mu\text{F}$	0.12 nF 0.21 nF 0.31 nF 0.41 nF 0.51 nF 0.61 nF 0.71 nF 0.81 nF 0.91 nF 1.0 nF	
접지 저항 측정기 AC Input Voltage  resistance	40205	10 V 20 V 30 V 40 V 50 V 100 V 300 V 500 V 1 000 V  1 $\Omega$ 2 $\Omega$ 5 $\Omega$ 10 $\Omega$ 20 $\Omega$ 50 $\Omega$ 100 $\Omega$ 500 $\Omega$ 1 000 $\Omega$	0.87 mV 1.4 mV 2.6 mV 3.2 mV 3.9 mV 9.2 mV 28 mV 73 mV 0.58 V  2.5 m $\Omega$ 2.6 m $\Omega$ 3.0 m $\Omega$ 3.5 m $\Omega$ 7.4 m $\Omega$ 10 m $\Omega$ 59 m $\Omega$ 63 m $\Omega$ 83 m $\Omega$	Calibrator/전압측정  계단식저항기/저항측정
인덕턴스 지시기 1 kHz	40206	100 $\mu\text{H}$ 1 mH 10 mH 100 mH 1 H 10 H	0.12 nH 0.79 $\mu\text{H}$ 5.3 $\mu\text{H}$ 62 $\mu\text{H}$ 0.79 mH 7.9 mH	계단식유도기/ 인덕턴스측정
계단식유도기 1 kHz	40208	100 $\mu\text{H}$ Step 100 $\mu\text{H}$ 200 $\mu\text{H}$ 300 $\mu\text{H}$ 400 $\mu\text{H}$ 500 $\mu\text{H}$ 600 $\mu\text{H}$ 700 $\mu\text{H}$ 800 $\mu\text{H}$ 900 $\mu\text{H}$ 1 000 $\mu\text{H}$	62 nH 0.12 $\mu\text{H}$ 0.19 $\mu\text{H}$ 0.25 $\mu\text{H}$ 0.31 $\mu\text{H}$ 0.37 $\mu\text{H}$ 0.43 $\mu\text{H}$ 0.50 $\mu\text{H}$ 0.56 $\mu\text{H}$ 0.47 $\mu\text{H}$	임피던스브리지/ 유도량측정

(402. 전기 - 임피던스)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
계단식유도기 1 kHz	40208	1 mH Step		
		1 mH	0.54 $\mu$ H	
		2 mH	1.1 $\mu$ H	
		3 mH	1.6 $\mu$ H	
		4 mH	2.2 $\mu$ H	
		5 mH	2.7 $\mu$ H	
		6 mH	3.2 $\mu$ H	
		7 mH	3.8 $\mu$ H	
		8 mH	4.3 $\mu$ H	
		9 mH	4.9 $\mu$ H	
		10 mH	4.2 $\mu$ H	
		10 mH Step		
		10 mH	4.2 $\mu$ H	
		20 mH	8.3 $\mu$ H	
		30 mH	12 $\mu$ H	
		40 mH	17 $\mu$ H	
		50 mH	21 $\mu$ H	
		60 mH	25 $\mu$ H	
		70 mH	29 $\mu$ H	
		80 mH	33 $\mu$ H	
		90 mH	37 $\mu$ H	
		100 mH	42 $\mu$ H	
		100 mH step		
		100 mH	42 $\mu$ H	
		200 mH	83 $\mu$ H	
		300 mH	0.12 mH	
		400 mH	0.17 mH	
		500 mH	0.21 mH	
		600 mH	0.25 mH	
		700 mH	0.29 mH	
		800 mH	0.33 mH	
		900 mH	0.37 mH	
		1 000 mH	0.42 mH	
1 H step				
1 H	0.42 mH			
2 H	0.83 mH			
3 H	1.2 mH			
4 H	1.7 mH			
5 H	2.1 mH			
6 H	2.5 mH			
7 H	2.9 mH			
8 H	3.3 mH			
9 H	3.7 mH			
10 H	4.2 mH			
절연 저항기 Resistance	40210			계단식저항기/저항측정
		0.5 M $\Omega$	0.58 k $\Omega$	
		1 M $\Omega$	0.60 k $\Omega$	
		2 M $\Omega$	5.8 k $\Omega$	
		5 M $\Omega$	5.8 k $\Omega$	
		10 M $\Omega$	6.0 k $\Omega$	
		20 M $\Omega$	62 k $\Omega$	
		50 M $\Omega$	82 k $\Omega$	
		100 M $\Omega$	0.13 M $\Omega$	
		200 M $\Omega$	0.74 M $\Omega$	

(402. 전기 - 임피던스)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등			
절연 저항기 Resistance	40210	500 MΩ 1 GΩ 10 GΩ	1.3 MΩ 2.4 MΩ 75 MΩ	Calibrator/전압측정			
DC Output Voltage		250 V 500 V 1 000 V	58 mV 58 mV 0.58 V				
AC Input Voltage (60 Hz)		100 V 200 V 300 V 400 V 500 V 600 V 750 V 1 000 V	79 mV 0.15 V 0.20 V 0.31 V 0.37 V 0.43 V 0.51 V 0.73 V				
저항 브리지 Measuring ARM	40213	1 Ω 10 Ω 100 Ω 1 kΩ 10 kΩ	1.0 mΩ 1.0 mΩ 1.2 mΩ 7.6 mΩ 76 mΩ		계단식저항기/저항측정		
Ratio ARM		1 Ω 10 Ω 100 Ω 1 kΩ 10 kΩ 100 kΩ 1 MΩ	0.37 mΩ 0.76 mΩ 6.2 mΩ 0.29 Ω 0.67 Ω 6.4 Ω 0.23 kΩ				
고저항 측정기 DC Output Voltage	40214	10 V 25 V 50 V 100 V 250 V 500 V 1 000 V	5.8 mV 5.8 mV 5.8 mV 58 mV 58 mV 58 mV 0.58 V			계단식저항기, 고정항기 /저항측정	
Resistance		1 MΩ 10 MΩ 100 MΩ 1 GΩ 10 GΩ 100 GΩ 1 TΩ	0.40 kΩ 4.0 kΩ 38 kΩ 1.3 MΩ 25 MΩ 0.61 GΩ 5.9 GΩ				
계단식 저항기 0.01 Ω Step 0.1 Ω Step 1 Ω Step 10 Ω Step 100 Ω Step 1 kΩ Step	40215	0.01~0.1 Ω 0.1~1 Ω 1~10 Ω 10~100 Ω 100 Ω~1 kΩ 1 kΩ ~10 kΩ	2.2E-05 3.3E-05 1.5E-04 9.6E-04 7.4E-03 7.4E-05				DMM/저항측정

(402. 전기 - 임피던스)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
계단식 저항기 10 kΩ Step 100 kΩ Step 1 MΩ Step 10 MΩ Step 100 MΩ Step 1 GΩ Step	40215	10 kΩ ~100 kΩ 100 kΩ ~1 MΩ 1 MΩ ~ 10 MΩ 10 MΩ ~ 100 MΩ 100 MΩ ~ 1 GΩ 1 GΩ ~ 10 GΩ	7.4E-04 1.2E-02 2.9E-04 3.0E-02 3.0E+00 6.5E-02	DMM/저항측정
고저항기	40215	1 MΩ 10 MΩ 100 MΩ 1 GΩ 10 GΩ 100 GΩ 1 TΩ	5.8 kΩ 58 kΩ 0.58 MΩ 6.5 MΩ 70 MΩ 0.70 GΩ 7.0 GΩ	

(403. 전기 - 교류 및 교류전력)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
교류 전류계	40301	40 Hz 100 μA 1 mA 10 mA 100 mA 1 A 10 A 100 A 500 Hz 100 μA 1 mA 10 mA 100 mA 1 A 10 A 100 A 1 kHz 100 μA 1 mA 10 mA 100 mA 1 A 10 A 100 A 10 kHz 100 μA 1 mA 10 mA 100 mA 1 A 10 A	33 nA 0.23 μA 2.2 μA 34 μA 0.36 mA 27 mA 0.29 A 27 nA 0.17 μA 1.6 μA 28 μA 0.36 mA 27 mA 0.46 A 48 nA 0.27 μA 2.6 μA 38 μA 0.54 mA 27 mA 0.69 A 0.15 μA 1.3 μA 13 μA 0.15 mA 8.2 mA 61 mA	Calibrator/전류측정
클램프형전류계 직류전압	40302	100 mV 1 V 10 V 50 V	13 μV 0.13 mV 1.4 mV 11 mV	Calibrator/전압측정

(403. 전기 - 교류 및 교류전력)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
클램프형전류계  직류전압  교류전압 10 Hz ~ 1 kHz  직류전류  교류전류 10 Hz ~ 1 kHz	40302	100 V	14 mV	Calibrator/전압측정
		150 V	17 mV	
		200 V	21 mV	
		500 V	82 mV	
		1 000 V	0.11 V	
		100 mV	70 $\mu$ V	
		1 V	0.69 mV	
		10 V	7.0 mV	
		50 V	31 mV	
		100 V	54 mV	
		150 V	0.11 V	
		200 V	0.14 V	
		500 V	0.37 V	
		750 V	0.51 V	
		10 mA	2.7 $\mu$ A	Calibrator/전류측정
		100 mA	30 $\mu$ A	
		1 A	0.8 mA	
		10 A	8.3 mA	
		50 A	43 mA	
		50 A	75 mA	
		150 A	0.15 A	
		200 A	0.18 A	
		500 A	0.38 A	
		10 mA	9.0 $\mu$ A	
		100 mA	0.13 mA	
		1 A	1.7 mA	
		10 A	30 mA	
50 A	0.23 A			
50 A	0.35 A			
150 A	0.47 A			
200 A	1.0 A			
500 A	1.7 A			
교류전압&전류교정기  교류전압 50 Hz ~ 100 Hz 100 Hz ~ 1 kHz 1 kHz ~ 100 kHz  50 Hz ~ 1 kHz 1 kHz ~ 100 kHz  50 Hz ~ 1 kHz 1 kHz ~ 100 kHz  50 Hz ~ 1 kHz 1 kHz ~ 100 kHz  50 Hz ~ 1 kHz 1 kHz ~ 100 kHz	40303	100 mV	21 $\mu$ V	AC STD. Transfer/ 전압측정
		100 mV	21 $\mu$ V	
		100 mV	82 $\mu$ V	
		1 V	28 $\mu$ V	
		1 V	42 $\mu$ V	
		10 V	0.28 mV	
		10 V	0.42 mV	
		100 V	3.3 mV	
		100 V	4.6 mV	
		1 000 V	47 mV	
		1 000 V	47 mV	



(403. 전기 - 교류 및 교류전력)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
전력계 240 V, 5 A Power Factor 240 V, 10 A Power Factor 240 V, 20 A Power Factor	40311	1	0.18 W	
		LAG, LEAD 0.8	0.13 W	
		LAG, LEAD 0.5	84 mW	
		LAG, LEAD 0.3	51 mW	
		LAG, LEAD 0.001	5.8 mW	
		1	0.34 W	
		LAG, LEAD 0.8	0.28 W	
		LAG, LEAD 0.5	0.18 mW	
		LAG, LEAD 0.3	0.10 mW	
		LAG, LEAD 0.001	5.8 mW	
		1	0.69 W	
		LAG 0.8	0.55 W	
		LEAD 0.8	0.54 W	
		LAG, LEAD 0.5	0.34 mW	
LAG, LEAD 0.3	0.21 mW			
LAG, LEAD 0.001	5.8 mW			
교류 전원공급기 교류전압 (45 Hz ~ 1 kHz)  교류전류 (45 Hz ~ 1 kHz)	40312	10 V	1.3 mV	DMM/전압측정
		20 V	4.4 mV	
		40 V	6.6 mV	
		60 V	8.9 mV	
		80 V	11 mV	
		100 V	14 mV	
		150 V	19 mV	
		200 V	34 mV	
		250 V	39 mV	DMM/전류측정
		300 V	46 mV	
		1 A	1.2 mA	
		5 A	5.9 mA	
		10 A	12 mA	
		20 A	24 mA	
30 A	36 mA			
내압 시험기  교류전압  직류전압  직류전압	40313	1 kV	17 V	High Voltage Meter/전압측정
		2 kV	30 V	
		3 kV	41 V	
		4 kV	53 V	
		5 kV	66 V	
		6 kV	77 V	
		7 kV	88 V	
		8 kV	0.10 kV	
		9 kV	0.11 kV	
		10 kV	0.12 kV	
		1 kV	10 V	
		2 kV	16 V	
		3 kV	22 V	
		4 kV	29 V	
		5 kV	36 V	
		6 kV	42 V	
		7 kV	48 V	
		8 kV	54 V	
9 kV	61 V			
10 kV	67 V			

(403. 전기 - 교류 및 교류전력)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등		
내압 시험기 Limit DC/AC Current	40313	0.5 mA	6.0 $\mu$ A	Current Calibrator/ 전류측정		
		1.0 mA	12 $\mu$ A			
		2 mA	24 $\mu$ A			
		5 mA	60 $\mu$ A			
		10 mA	0.12 mA			
전력 기록계	40314	120 V, 0.5 A Power Factor	1(60 W)	10 mW	Power Calibrator/ 전력측정	
			0.8(48 W)	8.9 mW		
			0.5(30 W)	7.1 mW		
			0.3(18 W)	6.3 mW		
			0.001(0.06 W)	5.8 mW		
		120 V, 1 A Power Factor	1(120 W)	18 mW		
			0.8(96 W)	15 mW		
			0.5(60 W)	10 mW		
			0.3(36 W)	7.7 mW		
			0.001(0.12 W)	5.8 mW		
		120 V, 5 A Power Factor	1(600 W)	84 mW		
			0.8(480 W)	68 mW		
			0.5(300 W)	43 mW		
			0.3(180 W)	26 mW		
			0.001(0.6 W)	5.8 mW		
		120 V, 10 A Power Factor	1(1 200 W)	0.18 W		
			0.8(960 W)	0.13 W		
			0.5(600 W)	84 mW		
			0.3(360 W)	51 mW		
			0.001(1.2 W)	5.8 mW		
		120 V, 20 A Power Factor	1(2 400 W)	0.34 W		
			0.8(1 920 W)	0.28 W		
			0.5(1 200 W)	0.18 W		
			0.3(720 W)	0.10 W		
			0.001(2.4 W)	5.8 mW		
		240 V, 1 A Power Factor	1(240 W)	67 mW		
			0.8(192 W)	64 mW		
			0.5(120 W)	60 mW		
			0.3(72 W)	12 mW		
			0.001(0.24 W)	5.8 mW		
		240 V, 5 A Power Factor	1(1 200 W)	0.18 W		
			0.8(960 W)	0.13 W		
			0.5(600 W)	84 mW		
			0.3(360 W)	51 mW		
			0.001(1.2 W)	5.8 mW		
		240 V, 10 A Power Factor	1(2 400 W)	0.34 W		
			0.8(1 920 W)	0.28 W		
			0.5(1 200 W)	0.18 mW		
			0.3(720 W)	0.10 mW		
			0.001(2.4 W)	5.8 mW		
		240 V, 20 A Power Factor	1(4 800 W)	0.69 W		
			0.8(3 840 W)	0.55 W		
			0.8(3 840 W)	0.54 W		
			0.5(2 400 W)	0.34 mW		
			0.3(1 440 W)	0.21 mW		
	0.001(4.8 W)	5.8 mW				

(403. 전기 - 교류 및 교류전력)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등		
교류실효치전압계 교류전압	40318	1 mV	40 Hz	4.2 $\mu V$	Calibrator/전압측정	
			500 Hz	4.2 $\mu V$		
			1 kHz	4.2 $\mu V$		
			10 kHz	4.2 $\mu V$		
			20 kHz	4.2 $\mu V$		
			50 kHz	4.3 $\mu V$		
			100 kHz	5.6 $\mu V$		
			200 kHz	11 $\mu V$		
			500 kHz	22 $\mu V$		
			1 MHz	23 $\mu V$		
			10 mV	40 Hz		5.0 $\mu V$
				500 Hz		4.9 $\mu V$
		1 kHz		4.9 $\mu V$		
		10 kHz		4.9 $\mu V$		
		20 kHz		4.9 $\mu V$		
		50 kHz		6.1 $\mu V$		
		100 kHz		10 $\mu V$		
		200 kHz		21 $\mu V$		
		500 kHz		35 $\mu V$		
		1 MHz		48 $\mu V$		
		100 mV		40 Hz		17 $\mu V$
				500 Hz		16 $\mu V$
			1 kHz	16 $\mu V$		
			10 kHz	16 $\mu V$		
			20 kHz	16 $\mu V$		
			50 kHz	28 $\mu V$		
			100 kHz	65 $\mu V$		
			200 kHz	0.11 mV		
			500 kHz	0.17 mV		
			1 MHz	0.32 mV		
			1 V	40 Hz		0.11 mV
				500 Hz		16 $\mu V$
		1 kHz		16 $\mu V$		
		10 kHz		16 $\mu V$		
		20 kHz		16 $\mu V$		
		50 kHz		96 $\mu V$		
		100 kHz		0.15 mV		
		200 kHz		0.52 mV		
		500 kHz		1.2 mV		
		1 MHz		2.0 mV		
		10 V		40 Hz		1.1 mV
				500 Hz		0.65 mV
			1 kHz	0.65 mV		
			10 kHz	0.65 mV		
			20 kHz	0.65 mV		
			50 kHz	0.96 mV		
			100 kHz	1.3 mV		
			200 kHz	8.3 mV		
500 kHz	10 mV					
1 MHz	16 mV					

(403. 전기 - 교류 및 교류전력)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등	
교류실효치전압계 교류전압	40318	100 V		Calibrator/전압측정	
			40 Hz		11 mV
			500 Hz		7.1 mV
			1 kHz		7.1 mV
			10 kHz		7.1 mV
			20 kHz		7.1 mV
			50 kHz		10 mV
			100 kHz		19 mV
			40 Hz		0.32 V
			500 Hz		85 mV
1 kHz	85 mV				

(404. 전기 - 기타 직류 및 저주파 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등		
저주파 감쇠기 저주파 감쇠량 (40 Hz ~ 1 MHz)	40404	0 dB	0.070 dB			
		10 dB	0.083 dB			
		20 dB	0.13 dB			
		30 dB	0.19 dB			
		40 dB	0.25 dB			
		50 dB	0.31 dB			
		60 dB	0.36 dB			
		70 dB	0.42 dB			
		80 dB	0.48 dB			
미터교정기 직류전압	40405	100 mV	0.65 $\mu$ V	DC Standard/전위차법		
		1 V	6.2 $\mu$ V			
		10 V	14 $\mu$ V			
		100 V	0.16 mV			
		1 000 V	2.3 mV			
		교류전압	50 Hz ~ 100 Hz	100 mV	20 $\mu$ V	AC Transfer STD./전압측정
			100 Hz ~ 1 kHz	100 mV	20 $\mu$ V	
			1 kHz ~ 100 kHz	100 mV	73 $\mu$ V	
			50 Hz ~ 1 kHz	1 V	28 $\mu$ V	
			1 kHz ~ 100 kHz	1 V	42 $\mu$ V	
			50 Hz ~ 1 kHz	10 V	0.28 mV	
			1 kHz ~ 100 kHz	10 V	0.42 mV	
			50 Hz ~ 1 kHz	100 V	3.3 mV	
			1 kHz ~ 100 kHz	100 V	3.8 mV	
			100 Hz ~ 1 kHz	1 000 V	47 mV	
		1 kHz ~ 10 kHz	1 000 V	47 mV		
		직류전류	100 $\mu$ A		3.6 nA	
			1 mA		36 nA	
			10 mA		0.34 $\mu$ A	
			100 mA		6.4 $\mu$ A	
1 A			0.18 mA			
10 A			4.0 mA			

(404. 전기 - 기타 직류 및 저주파 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등			
미터교정기 교류전류	40405	100 $\mu$ A	100 Hz	0.14 nA	Current Shunt/전류측정		
			1 kHz	0.14 nA			
			10 kHz	0.14 nA			
			1 mA	100 Hz		1.3 $\mu$ A	
				1 kHz		1.3 $\mu$ A	
				10 kHz		1.3 $\mu$ A	
			10 mA	100 Hz		13 $\mu$ A	
				1 kHz		13 $\mu$ A	
				10 kHz		13 $\mu$ A	
		100 mA	100 Hz	0.18 mA			
			1 kHz	0.18 mA			
			10 kHz	0.18 mA			
		1 A	100 Hz	1.2 mA			
			1 kHz	1.2 mA			
			10 kHz	1.2 mA			
		Resistance		10 A		100 Hz	12 mA
						1 kHz	12 mA
						10 kHz	12 mA
				1 $\Omega$		9.3 $\mu$ $\Omega$	DMM/저항측정
						10 $\Omega$	0.15 m $\Omega$
						100 $\Omega$	1.0 m $\Omega$
						1 k $\Omega$	7.4 m $\Omega$
						10 k $\Omega$	74 m $\Omega$
						100 k $\Omega$	0.74 $\Omega$
1 M $\Omega$	12 $\Omega$						
	10 M $\Omega$	0.29 k $\Omega$					
파형 측정기 교정기 직류전압 (1 M $\Omega$ )  교류전압 (1 M $\Omega$ )	40406	1 mV	0.59 $\mu$ V	DMM/ 전압측정			
			10 mV		0.61 $\mu$ V		
			100 mV		1.2 $\mu$ V		
			1 V		58 $\mu$ V		
			10 V		0.58 mV		
			100 V		5.8 mV		
			130 V		5.8 mV		
			1 mV		4.2 $\mu$ V		
					10 mV	5.4 $\mu$ V	
					100 mV	22 $\mu$ V	
					1 V	0.14 mV	
					10 V	1.3 mV	
		100 V			14 mV		
		130 V	17 mV				

(404. 전기 - 기타 직류 및 저주파 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등			
과형 측정기 교정기 Time Marker	40406	5 s	5.8E-04 s				
		2 s	5.8E-04 s				
		1 s	5.8E-04 s				
		500 ms	5.8E-02 ms				
		200 ms	5.8E-02 ms				
		100 ms	5.8E-02 ms				
		50 ms	5.8E-03 ms				
		20 ms	5.8E-03 ms				
		10 ms	5.8E-03 ms				
		5 ms	5.8E-04 ms				
		2 ms	5.8E-04 ms				
		1 ms	5.8E-04 ms				
		500 $\mu$ s	5.8E-02 ms				
		200 $\mu$ s	5.8E-02 ms				
		100 $\mu$ s	5.8E-02 ms				
		50 $\mu$ s	5.8E-03 ms				
		20 $\mu$ s	5.8E-03 ms				
		10 $\mu$ s	5.8E-03 ms				
		5 $\mu$ s	5.8E-04 ms				
		2 $\mu$ s	5.8E-04 ms				
		1 $\mu$ s	5.8E-04 ms				
		500 ns	5.8E-02 ns				
		200 ns	5.8E-02 ns				
		100 ns	5.8E-02 ns				
		50 ns	5.8E-03 ns				
		20 ns	5.8E-03 ns				
		10 ns	5.8E-03 ns				
		5 ns	5.8E-04 ns				
		2 ns	5.8E-04 ns				
		1 ns	5.8E-04 ns				
		Level Sine Wave Flatness [0 dB]			0.25 MHz	0.10 dB	
					1 MHz	0.10 dB	
					10 MHz	0.10 dB	
50 MHz	0.10 dB						
200 MHz	0.10 dB						
500 MHz	0.10 dB						
800 MHz	0.10 dB						
1 000 MHz	0.10 dB						
2 200 MHz	0.11 dB						
왜곡과형 분석기 Level	40409	1 mV	40 Hz	4.2 $\mu$ V	Audio Analyzer/왜율측정		
			100 Hz	4.2 $\mu$ V			
			1 kHz	4.2 $\mu$ V			
			10 kHz	4.2 $\mu$ V			
			40 Hz	5.0 $\mu$ V			
		10 mV	100 Hz	4.9 $\mu$ V			
			1 kHz	4.9 $\mu$ V			
			10 kHz	4.9 $\mu$ V			

(404. 전기 - 기타 직류 및 저주파 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등			
왜곡과형 분석기 Level	40409	100 mV	40 Hz	18 $\mu$ V			
			100 Hz	17 $\mu$ V			
			1 kHz	17 $\mu$ V			
			10 kHz	17 $\mu$ V			
		1 V	40 Hz	0.13 mV			
			100 Hz	89 $\mu$ V			
			1 kHz	89 $\mu$ V			
			10 kHz	89 $\mu$ V			
		10 V	40 Hz	1.3 mV			
			100 Hz	0.87 mV			
			1 kHz	0.87 mV			
			10 kHz	0.87 mV			
		100 V	40 Hz	13 mV			
			100 Hz	9.2 mV			
			1 kHz	9.2 mV			
			10 kHz	9.2 mV			
		왜율	(40 Hz ~ 1 kHz)	0.1 %		0.013 %	
				0.3 %		0.013 %	
				1.0 %		0.013 %	
				3.0 %		0.014 %	
10.0 %	0.059 %						
30.0 %	0.059 %						
왜율미터/분석기 Level	40410			1 mV	40 Hz	4.2 $\mu$ V	Audio Analyzer/왜율측정
					500 Hz	4.2 $\mu$ V	
					1 kHz	4.2 $\mu$ V	
					10 kHz	4.2 $\mu$ V	
		10 mV	40 Hz	5.0 $\mu$ V			
			500 Hz	4.9 $\mu$ V			
			1 kHz	4.9 $\mu$ V			
			10 kHz	4.9 $\mu$ V			
		100 mV	40 Hz	18 $\mu$ V			
			500 Hz	17 $\mu$ V			
			1 kHz	17 $\mu$ V			
			10 kHz	17 $\mu$ V			
		1 V	40 Hz	0.13 mV			
			500 Hz	89 $\mu$ V			
			1 kHz	89 $\mu$ V			
			10 kHz	89 $\mu$ V			
		10 V	40 Hz	1.3 mV			
			500 Hz	0.87 mV			
			1 kHz	0.87 mV			
			10 kHz	0.87 mV			



(404. 전기 - 기타 직류 및 저주파 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등				
저주파신호 분석기 Input Level	40412	300 V	40 Hz	0.11 V				
			500 Hz	28 mV				
			1 kHz	28 mV				
			Input Frequency			20 Hz	58 μHz	
			100 Hz	0.58 mHz				
			1 kHz	5.8 mHz				
			10 kHz	58 mHz				
			100 kHz	0.58 Hz				
			다목적파형발생기 Frequency	40414		10 Hz	5.8E-07 Hz	
						100 Hz	5.8E-06 Hz	
1 kHz	5.8E-08 kHz							
10 kHz	5.8E-07 kHz							
100 kHz	5.8E-06 kHz							
1 MHz	5.8E-08 MHz							
10 MHz	5.8E-07 MHz							
Amplitude		100 Hz			6.0 μV			
10 mV	1 kHz	6.0 μV						
50 kHz	31 μV							
100 kHz	32 μV							
1 MHz	35 μV							
100 Hz	23 μV							
1 kHz	23 μV							
50 kHz	0.11 mV							
100 kHz	0.12 mV							
1 MHz	0.14 mV							
100 Hz	0.15 mV							
1 kHz	0.15 mV							
50 kHz	0.81 mV							
100 kHz	0.81 mV							
1 MHz	1.0 mV							
10 V	100 Hz	1.4 mV						
1 kHz	1.4 mV							
50 kHz	8.2 mV							
100 kHz	8.2 mV							
1 MHz	10 mV							
합성 파형 발생기 Frequency	40415	10 Hz			$5.8 \times 10^{-7}$ Hz	Counter/주파수측정		
		100 Hz	$5.8 \times 10^{-6}$ Hz					
		1 kHz	$5.8 \times 10^{-8}$ Hz					
		10 kHz	$5.8 \times 10^{-7}$ Hz					
		100 kHz	$5.8 \times 10^{-6}$ Hz					
		1 MHz	$5.8 \times 10^{-8}$ Hz					
		10 MHz	$5.8 \times 10^{-7}$ Hz					
		Amplitude		100 Hz	6.0 μV			
		10 mV	1 kHz	6.0 μV				
		50 kHz	31 μV					
		100 kHz	32 μV					
		1 MHz	35 μV					

(404. 전기 - 기타 직류 및 저주파 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
합성 파형 발생기 Amplitude 100 mV  1 V  10 V	40415	100 Hz 1 kHz 50 kHz 100 kHz 1 MHz 100 Hz 1 kHz 50 kHz 100 kHz 1 MHz 100 Hz 1 kHz 50 kHz 100 kHz 1 MHz	23 $\mu$ V 23 $\mu$ V 0.11 mV 0.12 mV 0.14 mV 0.15 mV 0.15 mV 0.81 mV 0.81 mV 1.0 mV 1.4 mV 1.4 mV 8.2 mV 8.2 mV 10 mV	
직교류 고전압계	40417	1 kV 2 kV 5 kV 10 kV 15 kV 20 kV 25 kV 30 kV 35 kV 40 kV 45 kV 50 kV	37 V 42 V 59 V 87 V 0.12 kV 0.15 kV 0.18 kV 0.20 kV 0.23 kV 0.26 kV 0.29 kV 0.32 kV	High Voltage Supply/전압측정
임피던스 브리지 용량 ( 1 kHz )  인덕턴스 ( 1 kHz )  저항 ( 1 kHz )	40418	10 pF 100 pF 1 nF 10 nF 100 nF 1 $\mu$ F 10 $\mu$ F 100 $\mu$ H 1 mH 10 mH 100 mH 1 H 10 H 1 $\Omega$ 10 $\Omega$ 100 $\Omega$ 1 k $\Omega$ 10 k $\Omega$ 100 k $\Omega$ 1 M $\Omega$	13 fF 17 fF 0.71 pF 1.8 pF 17 pF 0.72 nF 7.3 nF 0.12 nH 0.79 $\mu$ H 5.3 $\mu$ H 62 $\mu$ H 0.79 mH 7.9 mH 0.15 m $\Omega$ 0.38 m $\Omega$ 1.6 m $\Omega$ 16 m $\Omega$ 0.16 $\Omega$ 2.0 $\Omega$ 20 $\Omega$	표준용량/용량측정  표준인덕턴스/인덕턴스 측정  표준저항/저항측정

(404. 전기 - 기타 직류 및 저주파 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등		
누설전류 시험기 직류전압	40421	100 mV	5.9 $\mu$ V			
		1 V	58 $\mu$ V			
		10 V	0.58 mV			
		100 V	5.8 mV			
		1 000 V	58 mV			
		교류전압	40421	100 mV		
				40 Hz	18 $\mu$ V	
				500 Hz	17 $\mu$ V	
				1 kHz	17 $\mu$ V	
				1 V		
				40 Hz	0.13 mV	
				500 Hz	89 $\mu$ V	
				1 kHz	89 $\mu$ V	
				10 V		
				40 Hz	1.3 mV	
				500 Hz	0.87 mV	
				1 kHz	0.87 mV	
				100 V		
40 Hz	13 mV					
500 Hz	9.2 mV					
1 kHz	9.2 mV					
1 000 V						
40 Hz	0.33 V					
500 Hz	0.10 V					
1 kHz	0.10 V					
교류전류	40421	100 $\mu$ A				
		40 Hz	34 nA			
		500 Hz	28 nA			
		1 kHz	49 nA			
		1 mA				
		40 Hz	0.23 $\mu$ A			
		500 Hz	0.18 $\mu$ A			
		1 kHz	0.27 $\mu$ A			
		10 mA				
		40 Hz	2.2 $\mu$ A			
		500 Hz	1.7 $\mu$ A			
		1 kHz	2.6 $\mu$ A			
		100 mA				
		40 Hz	34 $\mu$ A			
		500 Hz	28 $\mu$ A			
		1 kHz	38 $\mu$ A			
		1 A				
		40 Hz	0.36 mA			
500 Hz	0.36 mA					
1 kHz	0.54 mA					
직류전류	40421	100 $\mu$ A	12 nA			
		1 mA	72 nA			
		10 mA	0.70 $\mu$ A			
		100 mA	7.9 $\mu$ A			
		1 A	0.11 mA			

(404. 전기 - 기타 직류 및 저주파 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등		
전자부하 직류전압	40422	1 V	58 $\mu\text{V}$	DMM / 전압측정		
		5 V	62 $\mu\text{V}$			
		10 V	0.58 mV			
		20 V	0.58 mV			
		30 V	0.61 mV			
		40 V	0.63 mV			
		50 V	0.66 mV			
		60 V	0.68 mV			
		70 V	0.72 mV			
		80 V	0.75 mV			
		90 V	0.78 mV			
		100 V	5.8 mV	DMM / 전압측정		
		150 V	5.8 mV			
		200 V	5.9 mV			
		250 V	6.2 mV			
		300 V	6.3 mV			
직류전류		100 mA	30 $\mu\text{A}$			
		1 A	0.83 mA			
		5 A	4.3 mA			
		10 A	7.5 mA			
	20 A	43 mA				
	30 A	48 mA				
	40 A	53 mA				
	50 A	58 mA				
	60 A	64 mA				
	70 A	69 mA				
	80 A	75 mA				
	90 A	81 mA				
	100 A	87 mA				
멀티미터 직류전압	40424	100 mV	1.3 $\mu\text{V}$	Calibrator/전압측정		
		1 V	6.2 $\mu\text{V}$			
		10 V	44 $\mu\text{V}$			
		100 V	0.59 mV			
		1 000 V	7.3 mV			
교류전압		100 mV	40 Hz		17 $\mu\text{V}$	
			500 Hz		16 $\mu\text{V}$	
			1 kHz		16 $\mu\text{V}$	
			10 kHz		16 $\mu\text{V}$	
			20 kHz		16 $\mu\text{V}$	
			50 kHz	28 $\mu\text{V}$		
			100 kHz	65 $\mu\text{V}$		
			200 kHz	0.11 mV		
			500 kHz	0.17 mV		
			1 MHz	0.32 mV		
		1 V	40 Hz	0.11 mV		
			500 Hz	67 $\mu\text{V}$		
			1 kHz	67 $\mu\text{V}$		
			10 kHz	67 $\mu\text{V}$		
			20 kHz	67 $\mu\text{V}$		
		50 kHz	96 $\mu\text{V}$			
		100 kHz	0.15 mV			

(404. 전기 - 기타 직류 및 저주파 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
멀티미터 교류전압	40424	1 V	200 kHz 500 kHz 1 MHz	0.52 mV 1.2 mV 2.0 mV
		10 V	40 Hz 500 Hz 1 kHz 10 kHz 20 kHz 50 kHz 100 kHz 200 kHz 500 kHz 1 MHz	1.1 mV 0.65 mV 0.65 mV 0.65 mV 0.65 mV 0.96 mV 1.3 mV 8.3 mV 10 mV 16 mV
교류전류	40424	100 V	40 Hz 500 Hz 1 kHz 10 kHz 20 kHz 50 kHz 100 kHz	11 mV 7.1 mV 7.1 mV 7.1 mV 7.1 mV 10 mV 19 mV
		1 000 V	40 Hz 500 Hz 1 kHz	0.32 V 85 mV 85 mV
교류전류	40424	100 $\mu$ A	40 Hz 500 Hz 1 kHz 10 kHz	33 nA 27 nA 48 nA 0.15 $\mu$ A
		1 mA	40 Hz 500 Hz 1 kHz 10 kHz	0.23 $\mu$ A 0.17 $\mu$ A 0.27 $\mu$ A 1.3 $\mu$ A
		10 mA	40 Hz 500 Hz 1 kHz 10 kHz	2.2 $\mu$ A 1.6 $\mu$ A 2.6 $\mu$ A 13 $\mu$ A
		100 mA	40 Hz 500 Hz 1 kHz 10 kHz	34 $\mu$ A 28 $\mu$ A 38 $\mu$ A 0.15 $\mu$ A
		1 A	40 Hz 500 Hz 1 kHz 10 kHz	0.36 mA 0.36 mA 0.54 mA 8.2 mA

(404. 전기 - 기타 직류 및 저주파 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등		
멀티미터 교류전류  직류전류  저항	40424	10 A	40 Hz	27 mA	계단식저항기/저항측정	
			500 Hz	27 mA		
			1 kHz	27 mA		
			10 kHz	61 mA		
		100 $\mu$ A	10 nA			
			1 mA			43 nA
			10 mA			0.40 $\mu$ A
			100 mA			5.3 $\mu$ A
			1 A			94 $\mu$ A
			10 A			11 mA
		1 $\Omega$	14 $\mu$ $\Omega$			
			10 $\Omega$			0.11 m $\Omega$
			100 $\Omega$			1.1 m $\Omega$
			1 k $\Omega$			10 m $\Omega$
			10 k $\Omega$			0.10 $\Omega$
			100 k $\Omega$			1.2 $\Omega$
			1 M $\Omega$			21 $\Omega$
			10 M $\Omega$			0.43 k $\Omega$
			100 M $\Omega$			10 k $\Omega$
			1 G $\Omega$			1.2 M $\Omega$
잡음 전압 측정기 교류전압	40425	1 mV	40 Hz	4.2 $\mu$ V	Calibrator/전압측정	
			500 Hz	4.2 $\mu$ V		
			1 kHz	4.2 $\mu$ V		
			10 kHz	4.2 $\mu$ V		
			20 kHz	4.2 $\mu$ V		
			50 kHz	4.3 $\mu$ V		
			100 kHz	5.6 $\mu$ V		
			200 kHz	11 $\mu$ V		
			500 kHz	22 $\mu$ V		
			1 MHz	23 $\mu$ V		
			10 mV	40 Hz		5.0 $\mu$ V
				500 Hz		4.9 $\mu$ V
				1 kHz		4.9 $\mu$ V
				10 kHz		4.9 $\mu$ V
		20 kHz		4.9 $\mu$ V		
		50 kHz		6.2 $\mu$ V		
		100 kHz		10 $\mu$ V		
		200 kHz		21 $\mu$ V		
		500 kHz		35 $\mu$ V		
		1 MHz		48 $\mu$ V		
		100 mV	40 Hz	18 $\mu$ V		
			500 Hz	17 $\mu$ V		
			1 kHz	17 $\mu$ V		
			10 kHz	17 $\mu$ V		
			20 kHz	17 $\mu$ V		
			50 kHz	29 $\mu$ V		

(404. 전기 - 기타 직류 및 저주파 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등		
잡음 전압 측정기 교류전압	40425	100 mV	100 kHz	65 $\mu$ V		
			200 kHz	0.11 mV		
			500 kHz	0.17 mV		
			1 MHz	0.32 mV		
		1 V	40 Hz	0.13 mV		
			500 Hz	89 $\mu$ V		
			1 kHz	89 $\mu$ V		
			10 kHz	89 $\mu$ V		
			20 kHz	89 $\mu$ V		
			50 kHz	112 $\mu$ V		
			100 kHz	0.16 mV		
			200 kHz	0.52 mV		
			500 kHz	1.2 mV		
			1 MHz	2.0 mV		
			10 V	40 Hz		1.3 mV
				500 Hz		0.87 mV
				1 kHz		0.87 mV
				10 kHz		0.87 mV
		20 kHz		0.87 mV		
		50 kHz		1.1 mV		
		100 kHz		1.4 mV		
		200 kHz		8.3 mV		
		500 kHz		10 mV		
		1 MHz		16 mV		
		100 V		40 Hz		13 mV
				500 Hz		9.2 mV
				1 kHz		9.2 mV
				10 kHz		9.2 mV
				20 kHz		9.2 mV
			50 kHz	12 mV		
			100 kHz	20 mV		
		300 V	40 Hz	28 mV		
			500 Hz	28 mV		
1 kHz	28 mV					
파형측정기 직류전압 (Vertical)	40426	1 V	0.33 mV	Scope Calibrator/ 전압측정		
		-1 V	0.34 mV			
		12 V	3.4 mV			
		-12 V	3.4 mV			
		108 V	32 mV			
		-108 V	32 mV			
		Horizontal Gain	2 ns	$5.8 \times 10^{-5}$	Scope Calibrator/ 주기측정	
			5 ns	$5.8 \times 10^{-5}$		
			10 ns	$5.8 \times 10^{-5}$		
			20 ns	$5.8 \times 10^{-4}$		
			50 ns	$5.8 \times 10^{-4}$		
			100 ns	$5.8 \times 10^{-3}$		

(404. 전기 - 기타 직류 및 저주파측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등	
과형측정기 Horizontal Gain	40426	200 ns 500 ns 1 $\mu$ s 2 $\mu$ s 5 $\mu$ s 10 $\mu$ s 20 $\mu$ s 50 $\mu$ s 100 $\mu$ s 200 $\mu$ s 500 $\mu$ s 1 ms 2 ms 5 ms 10 ms 20 ms 50 ms 100 ms 200 ms 500 ms 1 s 2 s 5 s	$5.8 \times 10^{-3}$ $5.8 \times 10^{-3}$ $5.8 \times 10^{-5}$ $5.8 \times 10^{-5}$ $5.8 \times 10^{-5}$ $5.8 \times 10^{-5}$ $5.8 \times 10^{-4}$ $5.8 \times 10^{-4}$ $5.8 \times 10^{-4}$ $5.8 \times 10^{-3}$ $5.8 \times 10^{-3}$ $5.8 \times 10^{-5}$ $5.8 \times 10^{-5}$ $5.8 \times 10^{-5}$ $5.8 \times 10^{-4}$ $5.8 \times 10^{-4}$ $5.8 \times 10^{-3}$ $5.8 \times 10^{-3}$ $5.8 \times 10^{-3}$ $5.8 \times 10^{-3}$ $5.8 \times 10^{-5}$ $5.8 \times 10^{-5}$ $5.8 \times 10^{-5}$		
Bandwidth (at 600 mV)		50 kHz 50 MHz 100 MHz 300 MHz 400 MHz 500 MHz 800 MHz 1 GHz 2 GHz	13 mV 15 mV 15 mV 17 mV 26 mV 26 mV 36 mV 36 mV 43 mV	Scope Calibrator/ Bandwidth 측정	
저항식 온도기록계 저항식	40429	(Sen sor 제외) -200 $^{\circ}$ C -150 $^{\circ}$ C -100 $^{\circ}$ C -50 $^{\circ}$ C 0 $^{\circ}$ C 50 $^{\circ}$ C 100 $^{\circ}$ C 150 $^{\circ}$ C 200 $^{\circ}$ C 250 $^{\circ}$ C 300 $^{\circ}$ C 350 $^{\circ}$ C 400 $^{\circ}$ C 450 $^{\circ}$ C 500 $^{\circ}$ C	0.58 $^{\circ}$ C 0.58 $^{\circ}$ C 0.58 $^{\circ}$ C 0.58 $^{\circ}$ C 0.58 $^{\circ}$ C 0.58 $^{\circ}$ C 0.58 $^{\circ}$ C 0.58 $^{\circ}$ C 0.58 $^{\circ}$ C 0.58 $^{\circ}$ C 0.58 $^{\circ}$ C 0.58 $^{\circ}$ C 0.58 $^{\circ}$ C 0.58 $^{\circ}$ C 0.58 $^{\circ}$ C 0.58 $^{\circ}$ C		

(404. 전기 - 기타 직류 및 저주파측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
열전식(K 형) -5.891 4 mV -3.553 6 mV 0.000 0 mV 4.096 2 mV 8.138 5 mV 12.208 6 mV 16.397 1 mV 20.644 3 mV 24.905 5 mV 29.129 0 mV 33.275 4 mV 37.325 9 mV 41.275 6 mV 45.118 7 mV 48.838 2 mV		-200 ℃ -100 ℃ 0 ℃ 100 ℃ 200 ℃ 300 ℃ 400 ℃ 500 ℃ 600 ℃ 700 ℃ 800 ℃ 900 ℃ 1 000 ℃ 1 100 ℃ 1 200 ℃	0.58 ℃ 0.58 ℃ 0.58 ℃ 0.58 ℃ 0.58 ℃ 0.58 ℃ 0.58 ℃ 0.58 ℃ 0.58 ℃ 0.58 ℃ 0.58 ℃ 0.58 ℃ 0.58 ℃ 0.58 ℃	
전압 전류 기록계 직류전압           직류전류	40430	100 $\mu$ V 1mV 10 mV 100 mV 1 V 10 V 100 V 1 000 V  100 $\mu$ A 1 mA 10 mA 100 mA 1 A 10 A	0.41 $\mu$ V 0.42 $\mu$ V 0.49 $\mu$ V 1.3 $\mu$ V 6.2 $\mu$ V 44 $\mu$ V 0.59 mV 7.3 mV  10 nA 43 nA 0.40 $\mu$ A 5.3 $\mu$ A 94 $\mu$ A 11 mA	Calibrator/전압측정           Calibrator/전압측정
릴레이 시험기 교류전압 (at 60 Hz)  교류전류 (at 60 Hz)	40431	1 V 10 V 100 V 1 000 V  10 mA 100 mA 1 A 10 A 50 A	0.12 mV 1.2 mV 12 mV 0.12 V  4.4 $\mu$ A 44 $\mu$ A 1.0 mA 20 mA 0.10 A	DMM/전압측정      DMM, Shunt/전류측정
LF 신호 발생기  Frequency	40432	10 Hz 100 Hz 1 kHz 10 kHz 100 kHz 1 MHz	$5.8 \times 10^{-6}$ Hz $5.8 \times 10^{-5}$ Hz $5.8 \times 10^{-7}$ kHz $5.8 \times 10^{-6}$ kHz $5.8 \times 10^{-5}$ kHz $5.8 \times 10^{-5}$ MHz	

(404. 전기 - 기타 직류 및 저주파측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등	
LF 신호 발생기 Amplitude	40432	10 mV	100 Hz	6.0 $\mu$ V	
			1 kHz	6.0 $\mu$ V	
			50 kHz	31 $\mu$ V	
			100 kHz	32 $\mu$ V	
			1 MHz	35 $\mu$ V	
		100 mV	100 Hz	23 $\mu$ V	
			1 kHz	23 $\mu$ V	
			50 kHz	0.11 mV	
			100 kHz	0.12 mV	
			1 MHz	0.14 mV	
		1 V	100 Hz	0.15 mV	
			1 kHz	0.15 mV	
			50 kHz	0.81 mV	
			100 kHz	0.81 mV	
			1 MHz	1.0 mV	
		10 V	100 Hz	1.4 mV	
			1 kHz	1.4 mV	
			50 kHz	8.2 mV	
			100 kHz	8.2 mV	
			1 MHz	10 mV	
100 V	100 Hz	15 mV			
	1 kHz	15 mV			
	50 kHz	82 mV			
	100 kHz	83 mV			
	1 MHz	93 mV			
트랜지스터 특성 곡선 Input Voltage	40438	100 mV	100 mV	58 $\mu$ V	
			1 V	5.8 mV	
			10 V	58 mV	
			100 V	58 mV	
			1 000 V	0.58 V	
		Output Voltage	100 mV	58 $\mu$ V	
			1 V	5.8 mV	
			10 V	58 mV	
			100 V	58 mV	
			1 000 V	0.58 V	
		Input Current	1 mA	5.8 $\mu$ A	
			10 mA	58 $\mu$ A	
			100 mA	58 $\mu$ A	
			1 A	0.59 mA	
		output Current	1 mA	5.8 $\mu$ A	
			10 mA	58 $\mu$ A	
			100 mA	58 $\mu$ A	
			1 A	0.61 mA	

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등			
고주파 증폭기 [10 dB]  [20 dB]  [30 dB]	40601	0.01 GHz	0.050 dB	Power Sensor, Power Meter, Signal Generator, Network Analyzer/ 이득측정			
		0.05 GHz	0.050 dB				
		0.1 GHz	0.056 dB				
		1 GHz	0.056 dB				
		5 GHz	0.056 dB				
		10 GHz	0.056 dB				
		15 GHz	0.057 dB				
		18 GHz	0.058 dB				
		0.01 GHz	0.061 dB				
		0.05 GHz	0.061 dB				
		0.1 GHz	0.061 dB				
		1 GHz	0.061 dB				
		5 GHz	0.061 dB				
		10 GHz	0.062 dB				
		15 GHz	0.062 dB				
		18 GHz	0.063 dB				
		0.01 GHz	0.066 dB				
		0.05 GHz	0.066 dB				
		0.1 GHz	0.066 dB				
		1 GHz	0.066 dB				
		5 GHz	0.067 dB				
		10 GHz	0.067 dB				
		15 GHz	0.067 dB				
		18 GHz	0.068 dB				
		동축형 감쇠기 → [10 dB]  [20 dB]  [30 dB]	40608		0.01 GHz	0.050 dB	Power Sensor, Power Meter, Sensor Module, Measuring Receiver, Signal Generator,  Network Analyzer/ 감쇠량측정
					0.05 GHz	0.050 dB	
					0.1 GHz	0.056 dB	
1 GHz	0.056 dB						
5 GHz	0.056 dB						
10 GHz	0.056 dB						
15 GHz	0.057 dB						
18 GHz	0.058 dB						
0.01 GHz	0.061 dB						
0.05 GHz	0.061 dB						
0.1 GHz	0.061 dB						
1 GHz	0.061 dB						
5 GHz	0.061 dB						
10 GHz	0.062 dB						
15 GHz	0.062 dB						
18 GHz	0.063 dB						
0.01 GHz	0.066 dB						
0.05 GHz	0.066 dB						
0.1 GHz	0.066 dB						
1 GHz	0.066 dB						
5 GHz	0.067 dB						
10 GHz	0.067 dB						

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
동축형 감쇠기 동축형 고정 감쇠기 [30 dB]	40608	15 GHz 18 GHz	0.067 dB 0.068 dB	
동축형 가변 감쇠기 [5 dB]		0.01 GHz 0.05 GHz 0.1 GHz 1 GHz 5 GHz 10 GHz 15 GHz 18 GHz	0.052 dB 0.052 dB 0.052 dB 0.052 dB 0.052 dB 0.052 dB 0.053 dB 0.054 dB	
[10 dB]		0.01 GHz 0.05 GHz 0.1 GHz 1 GHz 5 GHz 10 GHz 15 GHz 18 GHz	0.056 dB 0.056 dB 0.056 dB 0.056 dB 0.056 dB 0.056 dB 0.057 dB 0.058 dB	Power Sensor, Power Meter, Sensor Module, Measuring Receiver, Signal Generator, Network Analyzer/ 감쇠량측정
[20 dB]		0.01 GHz 0.05 GHz 0.1 GHz 1 GHz 5 GHz 10 GHz 15 GHz 18 GHz	0.061 dB 0.061 dB 0.061 dB 0.061 dB 0.061 dB 0.062 dB 0.062 dB 0.063 dB	
[30 dB]		0.01 GHz 0.05 GHz 0.1 GHz 1 GHz 5 GHz 10 GHz 15 GHz 18 GHz	0.066 dB 0.066 dB 0.066 dB 0.066 dB 0.067 dB 0.067 dB 0.067 dB 0.068 dB	
[40 dB]		0.01 GHz 0.05 GHz 0.1 GHz 1 GHz 5 GHz 10 GHz 15 GHz 18 GHz	0.115 dB 0.115 dB 0.115 dB 0.115 dB 0.124 dB 0.124 dB 0.125 dB 0.125 dB	
[50 dB]		0.01 GHz 0.05 GHz 0.1 GHz 1 GHz 5 GHz	0.146 dB 0.146 dB 0.146 dB 0.146 dB 0.146 dB	

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
동축형 감쇠기 동축형 고정 감쇠기 [50 dB]  [ 60 dB]  [70 dB]  [80 dB]  [90 dB]  [100 dB]  [110 dB]	40608	10 GHz	0.147 dB	
		15 GHz	0.147 dB	
		18 GHz	0.147 dB	
		0.01 GHz	0.170 dB	
		0.05 GHz	0.170 dB	
		0.1 GHz	0.170 dB	
		1 GHz	0.170 dB	
		5 GHz	0.170 dB	
		10 GHz	0.170 dB	
		15 GHz	0.170 dB	
		18 GHz	0.170 dB	
		0.01 GHz	0.194 dB	
		0.05 GHz	0.194 dB	
		0.1 GHz	0.194 dB	
		1 GHz	0.194 dB	
		5 GHz	0.194 dB	
		10 GHz	0.194 dB	
		15 GHz	0.194 dB	
		18 GHz	0.194 dB	
		0.01 GHz	0.218 dB	
		0.05 GHz	0.218 dB	
		0.1 GHz	0.218 dB	
		1 GHz	0.218 dB	
		5 GHz	0.233 dB	
10 GHz	0.233 dB			
15 GHz	0.233 dB			
18 GHz	0.233 dB			
0.01 GHz	0.256 dB			
0.05 GHz	0.256 dB			
0.1 GHz	0.256 dB			
1 GHz	0.256 dB			
0.01 GHz	0.280 dB			
0.05 GHz	0.280 dB			
0.1 GHz	0.280 dB			
1 GHz	0.280 dB			
0.01 GHz	0.304 dB			
0.05 GHz	0.304 dB			
0.1 GHz	0.304 dB			
1 GHz	0.304 dB			
고주파 전력측정기 교정기 Range accuracy	40613	100 mW	0.88 mV	DMM/ 전압측정
		30 mW	0.13 mV	
		10 mW	0.13 mV	
		3 mW	13 $\mu$ V	
		1 mW	13 $\mu$ V	
		300 $\mu$ V	1.4 $\mu$ V	

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
고주파 전력측정기 교정기 Range accuracy	40613	300 $\mu$ W	0.13 $\Omega$	DMM/저항측정
		100 $\mu$ W	15 m $\Omega$	
		30 $\mu$ W	13 m $\Omega$	
		10 $\mu$ W	1.6 m $\Omega$	
		3 $\mu$ W	1.3 m $\Omega$	
동축형 방향성 결합기 Coupling Factor [10 dB]  [20 dB]  Directivity [10 dB]  [20 dB]	40616	0.05 GHz	0.073 dB	Power Sensor, Power Meter, Signal Generator, Network Analyzer/ 감쇠량측정
		0.1 GHz	0.073 dB	
		0.5 GHz	0.073 dB	
		1 GHz	0.061 dB	
		2 GHz	0.061 dB	
		3 GHz	0.092 dB	
		5 GHz	0.092 dB	
		8 GHz	0.093 dB	
		10 GHz	0.127 dB	
		12 GHz	0.128 dB	
		15 GHz	0.128 dB	
		18 GHz	0.128 dB	
		0.05 GHz	0.108 dB	
		0.1 GHz	0.108 dB	
		0.5 GHz	0.108 dB	
		1 GHz	0.068 dB	
		2 GHz	0.068 dB	
		3 GHz	0.099 dB	
		5 GHz	0.099 dB	
		8 GHz	0.100 dB	
		10 GHz	0.135 dB	
		12 GHz	0.135 dB	
		15 GHz	0.135 dB	
		18 GHz	0.135 dB	
		0.05 GHz	0.132 dB	
		0.1 GHz	0.132 dB	
		0.5 GHz	0.132 dB	
		1 GHz	0.093 dB	
		2 GHz	0.093 dB	
		3 GHz	0.136 dB	
5 GHz	0.136 dB			
8 GHz	0.138 dB			
10 GHz	0.186 dB			
12 GHz	0.186 dB			
15 GHz	0.186 dB			
18 GHz	0.187 dB			
0.05 GHz	0.237 dB			
0.1 GHz	0.237 dB			
0.5 GHz	0.237 dB			
1 GHz	0.114 dB			
2 GHz	0.114 dB			
3 GHz	0.157 dB			
5 GHz	0.157 dB			
8 GHz	0.158 dB			
10 GHz	0.207 dB			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등	
동축형 방향성 결합기 Directivity [20 dB]  [30 dB]  [40 dB]	40616				
		12 GHz	0.208 dB		
		15 GHz	0.208 dB		
		18 GHz	0.208 dB		
		0.05 GHz	0.545 dB		
		0.1 GHz	0.545 dB		
		0.5 GHz	0.545 dB		
		1 GHz	0.148 dB		
		2 GHz	0.148 dB		
		3 GHz	0.190 dB		
		5 GHz	0.190 dB		
		8 GHz	0.191 dB		
		10 GHz	0.242 dB		
		12 GHz	0.242 dB		
		15 GHz	0.242 dB		
		18 GHz	0.243 dB		
		0.05 GHz	1.422 dB		
		0.1 GHz	1.422 dB		
		0.5 GHz	1.422 dB		
		1 GHz	0.207 dB		
		2 GHz	0.207 dB		
3 GHz	0.247 dB				
5 GHz	0.247 dB				
8 GHz	0.248 dB				
10 GHz	0.309 dB				
12 GHz	0.309 dB				
15 GHz	0.309 dB				
18 GHz	0.309 dB				
EMC 수신기 Input Level	40621	[10 MHz]		Power Sensor,	
		10 dBm	0.097 dB		
		0 dBm	0.097 dB		
		-10 dBm	0.097 dB		
		-20 dBm	0.098 dB		
		-30 dBm	0.099 dB		
		-40 dBm	0.100 dB		
		-50 dBm	0.101 dB		
		-60 dBm	0.103 dB		
		-70 dBm	0.105 dB		
		-80 dBm	0.107 dB		
		-90 dBm	0.110 dB		
		-100 dBm	0.113 dB		
		-110 dBm	0.150 dB		
		-120 dBm	0.196 dB		
		[1 GHz]			Power Meter,
		10 dBm	0.103 dB		Sensor Module,
		0 dBm	0.103 dB		Measuring Receiver,
		-10 dBm	0.103 dB		Signal Generator/
		-20 dBm	0.104 dB		입력레벨측정
		-30 dBm	0.104 dB		
-40 dBm	0.105 dB				
-50 dBm	0.107 dB				
-60 dBm	0.108 dB				
-70 dBm	0.110 dB				
-80 dBm	0.113 dB				

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등	
EMC 수신기 Input Level	40621	[1 GHz]			
		-90 dBm	0.115 dB		
		-100 dBm	0.118 dB		
		-110 dBm	0.153 dB		
		-120 dBm	0.199 dB		
		[5 GHz]			
		10 dBm	0.113 dB		
		0 dBm	0.113 dB		
		-10 dBm	0.113 dB		
		-20 dBm	0.115 dB		
		-30 dBm	0.116 dB		
		-40 dBm	0.117 dB		
		-50 dBm	0.118 dB		
		-60 dBm	0.120 dB		
		-70 dBm	0.121 dB		
		-80 dBm	0.124 dB		
		-90 dBm	0.126 dB		
		-100 dBm	0.128 dB		
		[10 GHz]			
		10 dBm	0.114 dB		
		0 dBm	0.114 dB		
		-10 dBm	0.114 dB		
		-20 dBm	0.116 dB		
		-30 dBm	0.117 dB		
		-40 dBm	0.118 dB		
		-50 dBm	0.119 dB		
		-60 dBm	0.120 dB		
		-70 dBm	0.122 dB		
		-80 dBm	0.124 dB		
		-90 dBm	0.126 dB		
		-100 dBm	0.129 dB		
		[15 GHz]			
		10 dBm	0.128 dB		
		0 dBm	0.128 dB		
		-10 dBm	0.128 dB		
		-20 dBm	0.129 dB		
		-30 dBm	0.130 dB		
		-40 dBm	0.131 dB		
		-50 dBm	0.132 dB		
		-60 dBm	0.133 dB		
		-70 dBm	0.135 dB		
		-80 dBm	0.137 dB		
		-90 dBm	0.139 dB		
		-100 dBm	0.141 dB		
		[18 GHz]			
		10 dBm	0.131 dB		
		0 dBm	0.131 dB		
-10 dBm	0.131 dB				
-20 dBm	0.137 dB				
-30 dBm	0.138 dB				
-40 dBm	0.139 dB				
-50 dBm	0.140 dB				
-60 dBm	0.141 dB				
-70 dBm	0.143 dB				

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등	
EMC 수신기 Input Level  output level	40621	[18 GHz]			
		-80 dBm	0.145 dB		
		-90 dBm	0.147 dB		
		-100 dBm	0.149 dB		
		[10 MHz]			
		10 dBm	0.067 dB		
		0 dBm	0.067 dB		
		-10 dBm	0.067 dB		
		-20 dBm	0.068 dB		
		-30 dBm	0.069 dB		
		-40 dBm	0.071 dB		
		-50 dBm	0.073 dB		
		-60 dBm	0.075 dB		
		-70 dBm	0.078 dB		
		-80 dBm	0.081 dB		
		-90 dBm	0.085 dB		
		-100 dBm	0.088 dB		
		-110 dBm	0.133 dB		
		-120 dBm	0.184 dB		
		[1 GHz]			
		10 dBm	0.067 dB		
		0 dBm	0.067 dB		
		-10 dBm	0.067 dB		
		-20 dBm	0.068 dB		
		-30 dBm	0.069 dB		
		-40 dBm	0.071 dB		
		-50 dBm	0.073 dB		
		-60 dBm	0.075 dB		
		-70 dBm	0.078 dB		
		-80 dBm	0.081 dB		
		-90 dBm	0.085 dB		
		-100 dBm	0.088 dB		
		-110 dBm	0.133 dB		
		-120 dBm	0.184 dB		
		[5 GHz]			
		10 dBm	0.082 dB		
		0 dBm	0.082 dB		
		-10 dBm	0.082 dB		
		-20 dBm	0.085 dB		
		-30 dBm	0.086 dB		
		-40 dBm	0.087 dB		
		-50 dBm	0.089 dB		
-60 dBm	0.091 dB				
-70 dBm	0.093 dB				
-80 dBm	0.096 dB				
-90 dBm	0.099 dB				
-100 dBm	0.102 dB				
[10 GHz]					
10 dBm	0.082 dB				
0 dBm	0.082 dB				
-10 dBm	0.082 dB				
-20 dBm	0.085 dB				
-30 dBm	0.086 dB				
-40 dBm	0.087 dB				

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등		
EMC 수신기 output level	40621	[10 GHz]				
		-50 dBm	0.089 dB			
		-60 dBm	0.091 dB			
		-70 dBm	0.093 dB			
		-80 dBm	0.096 dB			
		-90 dBm	0.099 dB			
		-100 dBm	0.102 dB			
		[15 GHz]				
		10 dBm	0.102 dB			
		0 dBm	0.102 dB			
		-10 dBm	0.102 dB			
		-20 dBm	0.103 dB			
		-30 dBm	0.104 dB			
		-40 dBm	0.105 dB			
		-50 dBm	0.106 dB			
		-60 dBm	0.108 dB			
		-70 dBm	0.110 dB			
		-80 dBm	0.112 dB			
		-90 dBm	0.114 dB			
		-100 dBm	0.117 dB			
		[18 GHz]				
		10 dBm	0.101 dB			
		0 dBm	0.101 dB			
		-10 dBm	0.101 dB			
		-20 dBm	0.106 dB			
		-30 dBm	0.106 dB			
		-40 dBm	0.108 dB			
		-50 dBm	0.109 dB			
		-60 dBm	0.110 dB			
		-70 dBm	0.112 dB			
		-80 dBm	0.115 dB			
		-90 dBm	0.117 dB			
		-100 dBm	0.120 dB			
		frequency		5 GHz 이하		
				1 MHz	0.116 mHz	
				10 MHz	1.16 mHz	
				100 MHz	11.6 mHz	
				500 MHz	57.9 mHz	
				1 000 MHz	0.116 Hz	
				2 000 MHz	0.232 Hz	
				3 000 MHz	0.348 Hz	
				4 000 MHz	0.463 Hz	
				5 000 MHz	0.579 Hz	
				5 GHz 초과		
				6 000 MHz	1.33 Hz	
				8 000 MHz	1.33 Hz	
				10 000 MHz	1.33 Hz	
				12 000 MHz	1.33 Hz	
				13 000 MHz	1.33 Hz	
				15 000 MHz	1.33 Hz	
		16 000 MHz	1.33 Hz			
		17 000 MHz	1.33 Hz			
		18 000 MHz	1.33 Hz			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등		
고주파 여파기 Cut-off Frequency	40622	0.05 GHz	0.25 MHz			
		0.1 GHz	0.25 MHz			
		0.5 GHz	0.25 MHz			
		1 GHz	0.22 MHz			
		2 GHz	0.22 MHz			
		3 GHz	0.37 MHz			
		5 GHz	0.37 MHz			
		8 GHz	0.37 MHz			
		10 GHz	0.52 MHz			
		12 GHz	0.52 MHz			
		15 GHz	0.52 MHz			
		18 GHz	0.52 MHz			
		Insertion Loss			0.05 GHz	0.049 dB
					0.1 GHz	0.049 dB
					0.5 GHz	0.049 dB
					1 GHz	0.045 dB
					2 GHz	0.045 dB
					3 GHz	0.076 dB
					5 GHz	0.076 dB
					8 GHz	0.076 dB
10 GHz	0.112 dB					
12 GHz	0.112 dB					
15 GHz	0.112 dB					
18 GHz	0.112 dB					
임피던스미터 VSWR [1.05]	40623	0.05 GHz	0.059	Standard Mismatch/ VSWR측정		
		1 GHz	0.059			
		2 GHz	0.061			
		3 GHz	0.061			
		4 GHz	0.060			
		5 GHz	0.060			
		6 GHz	0.061			
		7 GHz	0.061			
		8 GHz	0.061			
		9 GHz	0.061			
		10 GHz	0.061			
		11 GHz	0.061			
		12 GHz	0.061			
		13 GHz	0.095			
		14 GHz	0.095			
		15 GHz	0.094			
		16 GHz	0.095			
		17 GHz	0.095			
		18 GHz	0.095			
		[1.20]			0.05 GHz	0.071
					1 GHz	0.071
					2 GHz	0.074
					3 GHz	0.074
					4 GHz	0.074
					5 GHz	0.074
					6 GHz	0.074
					7 GHz	0.074
		8 GHz	0.074			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
임피던스미터 VSWR [1.20]	40623	9 GHz	0.085	
		10 GHz	0.085	
[1.50]	40623	11 GHz	0.085	
		12 GHz	0.085	
		13 GHz	0.118	
		14 GHz	0.118	
		15 GHz	0.118	
		16 GHz	0.118	
		17 GHz	0.118	
		18 GHz	0.118	
		0.05 GHz	0.095	
		1 GHz	0.095	
		2 GHz	0.101	
		3 GHz	0.101	
		4 GHz	0.101	
		5 GHz	0.101	
		6 GHz	0.101	
		7 GHz	0.100	
		8 GHz	0.100	
		[2.00]	40623	
10 GHz	0.111			
11 GHz	0.111			
12 GHz	0.111			
13 GHz	0.200			
14 GHz	0.200			
15 GHz	0.200			
16 GHz	0.200			
17 GHz	0.200			
18 GHz	0.201			
0.05 GHz	0.144			
1 GHz	0.144			
2 GHz	0.154			
3 GHz	0.154			
4 GHz	0.154			
5 GHz	0.155			
6 GHz	0.156			
7 GHz	0.155			
8 GHz	0.158			
9 GHz	0.158			
10 GHz	0.160			
11 GHz	0.159			
12 GHz	0.158			
13 GHz	0.264			
14 GHz	0.264			
15 GHz	0.263			
16 GHz	0.261			
17 GHz	0.264			
18 GHz	0.265			
Source Power [10 dBm ~ -30 dBm]	40623	1 GHz	0.067 dB	Power Sensor,
		1 GHz ~ 5 GHz	0.082 dB	Power Meter,
		5 GHz ~ 10 GHz	0.083 dB	Spectrum Analyzer/
		10 GHz ~ 12 GHz	0.100 dB	출력레벨측정
		12 GHz ~ 18 GHz	0.101 dB	

(406. RF 측정)

측정량/장비 임피던스미터 Frequency	분류번호 40623	측정범위	최고측정능력	사용표준/측정방법 등
		5 GHz 이하		Frequency Standard, Frequency Counter/ 주파수측정
		1 MHz	0.116 mHz	
		10 MHz	1.16 mHz	
		100 MHz	11.6 mHz	
		500 MHz	57.9 mHz	
		1 000 MHz	0.116 Hz	
		2 000 MHz	0.232 Hz	
		3 000 MHz	0.348 Hz	
		4 000 MHz	0.463 Hz	
		5 000 MHz	0.579 Hz	
		5 GHz 초과		
		6 000 MHz	1.33 Hz	
		8 000 MHz	1.33 Hz	
		10 000 MHz	1.33 Hz	
		12 000 MHz	1.33 Hz	
		13 000 MHz	1.33 Hz	
		15 000 MHz	1.33 Hz	
		16 000 MHz	1.33 Hz	
		17 000 MHz	1.33 Hz	
		18 000 MHz	1.33 Hz	
동축형 표준 부정합 Reflection Coefficient	40627	[0.000 0]		
		0.05 GHz	0.005 2	
		0.5 GHz	0.004 9	
		1 GHz	0.004 9	
		2 GHz	0.004 7	
		3 GHz	0.009 3	
		4 GHz	0.009 3	
		5 GHz	0.009 3	
		6 GHz	0.009 4	
		7 GHz	0.009 4	
		8 GHz	0.009 7	
		9 GHz	0.009 5	
		10 GHz	0.009 6	
		11 GHz	0.009 4	
		12 GHz	0.009 3	
		13 GHz	0.009 2	
		14 GHz	0.009 3	
		15 GHz	0.009 7	
		16 GHz	0.009 3	
		17 GHz	0.009 4	
		18 GHz	0.009 4	
		[0.024 4]		
		0.05 GHz	0.005 4	
		0.5 GHz	0.005 1	
		1 GHz	0.005 1	
		2 GHz	0.004 9	
		3 GHz	0.009 6	
		4 GHz	0.009 5	
		5 GHz	0.009 6	
		6 GHz	0.009 6	
		7 GHz	0.009 6	

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
동축형 표준 부정합 Reflection Coefficient	40627	[0.024 4]		
		8 GHz	0.009 9	
		9 GHz	0.009 8	
		10 GHz	0.009 9	
		11 GHz	0.009 7	
		12 GHz	0.009 6	
		13 GHz	0.009 5	
		14 GHz	0.009 5	
		15 GHz	0.009 9	
		16 GHz	0.009 5	
		17 GHz	0.009 7	
		18 GHz	0.009 7	
		[0.047 6]		
		0.05 GHz	0.005 6	
		0.5 GHz	0.005 3	
		1 GHz	0.005 3	
		2 GHz	0.005 1	
		3 GHz	0.009 8	
		4 GHz	0.009 8	
		[0.047 6]		
		5 GHz	0.009 8	
		6 GHz	0.009 8	
		7 GHz	0.009 8	
		8 GHz	0.010 1	
		9 GHz	0.010 0	
		10 GHz	0.010 1	
		11 GHz	0.009 9	
		12 GHz	0.009 9	
		13 GHz	0.009 8	
		14 GHz	0.009 8	
		15 GHz	0.010 2	
		16 GHz	0.009 8	
		17 GHz	0.009 9	
		18 GHz	0.009 9	
		[0.090 9]		
		0.05 GHz	0.005 8	
		0.5 GHz	0.005 6	
		1 GHz	0.005 6	
		2 GHz	0.005 4	
		3 GHz	0.010 2	
		4 GHz	0.010 1	
		5 GHz	0.010 2	
		6 GHz	0.010 2	
		7 GHz	0.010 2	
		8 GHz	0.010 5	
		9 GHz	0.010 5	
		10 GHz	0.010 6	
11 GHz	0.010 4			
12 GHz	0.010 3			
13 GHz	0.010 2			
14 GHz	0.010 3			
15 GHz	0.010 6			
16 GHz	0.010 3			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
동축형 표준 부정합 Reflection Coefficient	40627	[0.090 9]		
		17 GHz	0.010 4	
		18 GHz	0.010 4	
		[0.130 4]		
		0.05 GHz	0.006 1	
		0.5 GHz	0.005 9	
		1 GHz	0.005 9	
		2 GHz	0.005 7	
		3 GHz	0.010 5	
		4 GHz	0.010 5	
		5 GHz	0.010 6	
		6 GHz	0.010 6	
		7 GHz	0.010 6	
		8 GHz	0.010 9	
		9 GHz	0.011 0	
		10 GHz	0.011 1	
		11 GHz	0.010 9	
		12 GHz	0.010 8	
		13 GHz	0.010 7	
		14 GHz	0.010 8	
		15 GHz	0.011 1	
		16 GHz	0.010 8	
		17 GHz	0.010 9	
		18 GHz	0.010 9	
		[0.200 0]		
		0.05 GHz	0.006 5	
		0.5 GHz	0.006 3	
		1 GHz	0.006 3	
		2 GHz	0.006 1	
		3 GHz	0.011 3	
		4 GHz	0.011 3	
		5 GHz	0.011 3	
		6 GHz	0.011 3	
		7 GHz	0.011 3	
		8 GHz	0.011 6	
		9 GHz	0.012 0	
		10 GHz	0.012 1	
		11 GHz	0.011 9	
		12 GHz	0.011 8	
		13 GHz	0.011 7	
		14 GHz	0.011 8	
		15 GHz	0.012 1	
		16 GHz	0.011 8	
		17 GHz	0.011 9	
		18 GHz	0.011 9	
[0.272 7]				
0.05 GHz	0.007 0			
0.5 GHz	0.006 8			
1 GHz	0.006 8			
2 GHz	0.006 7			
3 GHz	0.012 3			
4 GHz	0.012 2			
5 GHz	0.012 3			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등		
동축형 표준 부정합 Reflection Coefficient	40627	[0.272 7]	6 GHz	0.012 3		
			7 GHz	0.012 3		
			8 GHz	0.012 5		
			9 GHz	0.013 3		
			10 GHz	0.013 3		
			11 GHz	0.013 2		
			12 GHz	0.013 1		
			13 GHz	0.013 1		
			14 GHz	0.013 1		
			15 GHz	0.013 4		
			16 GHz	0.013 1		
			17 GHz	0.013 2		
			18 GHz	0.013 2		
			[0.333 3]	0.05 GHz		0.007 4
				0.5 GHz		0.007 2
				1 GHz		0.007 2
				2 GHz		0.007 1
				3 GHz		0.013 1
		4 GHz		0.013 1		
		5 GHz		0.013 1		
		6 GHz		0.013 2		
		7 GHz		0.013 2		
		8 GHz		0.013 4		
		9 GHz		0.014 5		
		10 GHz		0.014 6		
		11 GHz		0.014 4		
		12 GHz		0.014 4		
		13 GHz		0.014 3		
		14 GHz		0.014 3		
		15 GHz		0.014 6		
		16 GHz		0.014 3		
		17 GHz	0.014 4			
		18 GHz	0.014 4			
		[0.428 6]	0.05 GHz	0.008 1		
			0.5 GHz	0.008 0		
			1 GHz	0.008 0		
			2 GHz	0.007 8		
			3 GHz	0.014 8		
			4 GHz	0.014 8		
			5 GHz	0.014 8		
			6 GHz	0.014 8		
			7 GHz	0.014 8		
			8 GHz	0.015 0		
			9 GHz	0.016 8		
			10 GHz	0.016 9		
11 GHz	0.016 7					
12 GHz	0.016 7					
13 GHz	0.016 6					
14 GHz	0.016 6					
15 GHz	0.016 9					

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
동축형 표준 부정합 Reflection Coefficient	40627	[0.428 6]		
		16 GHz	0.016 6	
			17 GHz	0.016 7
			18 GHz	0.016 7
		[0.500 0]		
		0.05 GHz	0.008 7	
		0.5 GHz	0.008 5	
		1 GHz	0.008 5	
		2 GHz	0.008 5	
		3 GHz	0.016 3	
		4 GHz	0.016 1	
		5 GHz	0.016 2	
		6 GHz	0.016 3	
		7 GHz	0.016 2	
		8 GHz	0.016 4	
		9 GHz	0.018 7	
		10 GHz	0.018 8	
		11 GHz	0.018 7	
		12 GHz	0.018 7	
		13 GHz	0.018 6	
		14 GHz	0.018 6	
		15 GHz	0.018 8	
		16 GHz	0.018 6	
		17 GHz	0.018 7	
		18 GHz	0.018 7	
VSWR		[1.000]		
		0.05 GHz	0.010	
		0.5 GHz	0.010	
		1 GHz	0.010	
		2 GHz	0.009	
		3 GHz	0.019	
		4 GHz	0.019	
		5 GHz	0.019	
		6 GHz	0.019	
		7 GHz	0.019	
		8 GHz	0.019	
		9 GHz	0.019	
		10 GHz	0.019	
		11 GHz	0.019	
		12 GHz	0.019	
		13 GHz	0.019	
		14 GHz	0.019	
		15 GHz	0.019	
		16 GHz	0.019	
		17 GHz	0.019	
		18 GHz	0.019	
		[1.050]		
		0.05 GHz	0.011	
		0.5 GHz	0.011	
		1 GHz	0.011	
		2 GHz	0.010	
		3 GHz	0.020	

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
동축형 표준 부정합 VSWR	40627	[1.050]		
		4 GHz	0.020	
		5 GHz	0.020	
		6 GHz	0.020	
		7 GHz	0.020	
		8 GHz	0.021	
		9 GHz	0.021	
		10 GHz	0.021	
		11 GHz	0.021	
		12 GHz	0.020	
		13 GHz	0.020	
		14 GHz	0.020	
		15 GHz	0.021	
		16 GHz	0.020	
		17 GHz	0.021	
		18 GHz	0.020	
		[1.100]		
		0.05 GHz	0.012	
		0.5 GHz	0.012	
		1 GHz	0.012	
		2 GHz	0.011	
		3 GHz	0.022	
		4 GHz	0.022	
		5 GHz	0.022	
		6 GHz	0.022	
		7 GHz	0.022	
		8 GHz	0.022	
		9 GHz	0.022	
		10 GHz	0.022	
		11 GHz	0.022	
		12 GHz	0.022	
		13 GHz	0.022	
		14 GHz	0.022	
		15 GHz	0.023	
		16 GHz	0.022	
		17 GHz	0.022	
		18 GHz	0.022	
		[1.200]		
		0.05 GHz	0.014	
		0.5 GHz	0.014	
		1 GHz	0.014	
		2 GHz	0.013	
		3 GHz	0.025	
		4 GHz	0.025	
		5 GHz	0.025	
6 GHz	0.025			
7 GHz	0.025			
8 GHz	0.025			
9 GHz	0.026			
10 GHz	0.026			
11 GHz	0.025			
12 GHz	0.025			
13 GHz	0.025			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등	
동축형 표준 부정합 VSWR	40627	[1.100]			
			14 GHz	0.025	
			15 GHz	0.026	
			16 GHz	0.025	
			17 GHz	0.026	
			18 GHz	0.025	
			[1.300]		
			0.05 GHz	0.016	
			0.5 GHz	0.016	
			1 GHz	0.016	
			2 GHz	0.015	
			3 GHz	0.028	
			4 GHz	0.028	
			5 GHz	0.028	
			6 GHz	0.028	
			7 GHz	0.028	
			8 GHz	0.029	
			9 GHz	0.029	
			10 GHz	0.029	
			11 GHz	0.029	
			1 GHz	0.012	
			12 GHz	0.029	
			13 GHz	0.029	
			14 GHz	0.029	
			15 GHz	0.030	
			16 GHz	0.029	
			17 GHz	0.029	
			18 GHz	0.029	
			[1.500]		
			0.05 GHz	0.020	
			0.5 GHz	0.020	
			1 GHz	0.020	
			2 GHz	0.019	
			3 GHz	0.035	
			4 GHz	0.035	
			5 GHz	0.035	
			6 GHz	0.035	
			7 GHz	0.036	
			8 GHz	0.036	
			9 GHz	0.038	
			10 GHz	0.038	
			11 GHz	0.038	
			12 GHz	0.037	
			13 GHz	0.037	
			14 GHz	0.037	
	15 GHz	0.038			
	16 GHz	0.037			
	17 GHz	0.038			
	18 GHz	0.037			
	[1.750]				
	0.05 GHz	0.027			
	0.5 GHz	0.026			
	1 GHz	0.026			
	2 GHz	0.025			
	3 GHz	0.046			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
동축형 표준 부정합 VSWR	40627	[1.750]		
		4 GHz	0.046	
		5 GHz	0.047	
		6 GHz	0.047	
		7 GHz	0.047	
		8 GHz	0.048	
		9 GHz	0.051	
		10 GHz	0.051	
		11 GHz	0.051	
		12 GHz	0.050	
		13 GHz	0.050	
		14 GHz	0.050	
		15 GHz	0.051	
		16 GHz	0.050	
		17 GHz	0.051	
		18 GHz	0.050	
		[2.000]		
		0.05 GHz	0.033	
		0.5 GHz	0.033	
		1 GHz	0.033	
		2 GHz	0.032	
		3 GHz	0.059	
		4 GHz	0.059	
		5 GHz	0.059	
		6 GHz	0.059	
		7 GHz	0.060	
		8 GHz	0.061	
		9 GHz	0.066	
		10 GHz	0.066	
		11 GHz	0.066	
		12 GHz	0.065	
		13 GHz	0.065	
		14 GHz	0.065	
		15 GHz	0.066	
		16 GHz	0.065	
		17 GHz	0.066	
		18 GHz	0.065	
		[2.500]		
		0.05 GHz	0.050	
		0.5 GHz	0.049	
		1 GHz	0.049	
		2 GHz	0.048	
		3 GHz	0.091	
		4 GHz	0.091	
		5 GHz	0.091	
		6 GHz	0.091	
		7 GHz	0.092	
8 GHz	0.093			
9 GHz	0.104			
10 GHz	0.104			
11 GHz	0.104			
12 GHz	0.103			
13 GHz	0.103			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
동축형 표준 부정합 VSWR	40627	[2.500] 14 GHz 15 GHz 16 GHz 17 GHz 18 GHz [3.000] 0.05 GHz 0.5 GHz 1 GHz 2 GHz 3 GHz 4 GHz 5 GHz 6 GHz 7 GHz 8 GHz [3.000] 9 GHz 10 GHz 11 GHz 12 GHz 13 GHz 14 GHz 15 GHz 16 GHz 17 GHz 18 GHz	0.104 0.104 0.104 0.105 0.103 0.070 0.068 0.068 0.068 0.130 0.130 0.130 0.131 0.131 0.132 0.151 0.151 0.152 0.151 0.151 0.152 0.152 0.151 0.154 0.151	
이동통신 종합시험기 Frequency	40629	5 GHz 이하 1 MHz 10 MHz 100 MHz 500 MHz 1 000 MHz 2 000 MHz 3 000 MHz 4 000 MHz 5 000 MHz 5 GHz 초과 6 000 MHz 8 000 MHz 10 000 MHz 12 000 MHz 13 000 MHz 15 000 MHz 16 000 MHz 17 000 MHz 18 000 MHz	0.116 mHz 1.16 mHz 11.6 mHz 57.9 mHz 0.116 Hz 0.232 Hz 0.348 Hz 0.463 Hz 0.579 Hz 1.33 Hz 1.33 Hz 1.33 Hz 1.33 Hz 1.33 Hz 1.33 Hz 1.33 Hz 1.33 Hz 1.33 Hz	

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등	
이동통신 종합시험기 Output Level	40629	[10 MHz]	10 dBm	0.067 dB	
			0 dBm	0.067 dB	
			-10 dBm	0.067 dB	
			-20 dBm	0.068 dB	
			-30 dBm	0.069 dB	
			-40 dBm	0.071 dB	
			-50 dBm	0.073 dB	
			-60 dBm	0.075 dB	
			-70 dBm	0.078 dB	
			-80 dBm	0.081 dB	
			-90 dBm	0.085 dB	
			-100 dBm	0.088 dB	
		-110 dBm	0.133 dB		
		-120 dBm	0.184 dB		
		[1 GHz]	10 dBm	0.067 dB	
			0 dBm	0.067 dB	
			-10 dBm	0.067 dB	
			-20 dBm	0.068 dB	
			-30 dBm	0.069 dB	
			-40 dBm	0.071 dB	
			-50 dBm	0.073 dB	
			-60 dBm	0.075 dB	
			-70 dBm	0.078 dB	
			-80 dBm	0.081 dB	
			-90 dBm	0.085 dB	
			-100 dBm	0.088 dB	
		-110 dBm	0.133 dB		
		-120 dBm	0.184 dB		
		[5 GHz]	10 dBm	0.082 dB	
			0 dBm	0.082 dB	
			-10 dBm	0.082 dB	
			-20 dBm	0.085 dB	
			-30 dBm	0.086 dB	
			-40 dBm	0.087 dB	
			-50 dBm	0.089 dB	
			-60 dBm	0.091 dB	
			-70 dBm	0.093 dB	
			-80 dBm	0.096 dB	
		-90 dBm	0.099 dB		
		-100 dBm	0.102 dB		
		Carrier Frequency Modulation	[Deviation]	1 kHz	0.013 kHz
				10 kHz	0.13 kHz
				30 kHz	0.36 kHz
				50 kHz	0.70 kHz
80 kHz	1.0 kHz				
100 kHz	1.3 kHz				
200 kHz	2.4 kHz				
300 kHz	3.6 kHz				
400 kHz	4.8 kHz				

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
이동통신 종합시험기 Amplitude Modulation  Phase Modulation  Input Level	40629	[Depth]		
		5 pct	0.072 pct	
		10 pct	0.13 pct	
		30 pct	0.36 pct	
		50 pct	0.70 pct	
		80 pct	1.0 pct	
		90 pct	1.2 pct	
		99 pct	1.3 pct	
		[Deviation]		
		1 rad	0.036 rad	
		10 rad	0.36 rad	
		30 rad	1.1 rad	
		50 rad	1.8 rad	
		80 rad	2.9 rad	
		100 rad	3.6 rad	
		200 rad	7.0 rad	
		300 rad	11 rad	
		400 rad	14 rad	
		[10 MHz]		
		10 dBm	0.097 dB	
		0 dBm	0.097 dB	
		-10 dBm	0.097 dB	
		-20 dBm	0.098 dB	
		-30 dBm	0.099 dB	
		-40 dBm	0.100 dB	
		-50 dBm	0.101 dB	
		-60 dBm	0.103 dB	
		-70 dBm	0.105 dB	
		-80 dBm	0.107 dB	
		-90 dBm	0.110 dB	
		-100 dBm	0.113 dB	
		-110 dBm	0.150 dB	
		-120 dBm	0.196 dB	
		[1 GHz]		
		10 dBm	0.103 dB	
		0 dBm	0.103 dB	
		-10 dBm	0.103 dB	
		-20 dBm	0.104 dB	
		-30 dBm	0.104 dB	
		-40 dBm	0.105 dB	
-80 dBm	0.113 dB			
-90 dBm	0.115 dB			
-100 dBm	0.118 dB			
-110 dBm	0.153 dB			
-120 dBm	0.199 dB			
[5 GHz]				
10 dBm	0.113 dB			
0 dBm	0.113 dB			
-10 dBm	0.113 dB			
-20 dBm	0.115 dB			
-30 dBm	0.116 dB			
-40 dBm	0.117 dB			
-50 dBm	0.118 dB			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
이동통신 종합시험기 Input Level	40629	[5 GHz]		
		-60 dBm	0.120 dB	
		-70 dBm	0.121 dB	
		-80 dBm	0.124 dB	
		-90 dBm	0.126 dB	
		-100 dBm	0.128 dB	
Audio Frequency		10 Hz	$5.8 \times 10^{-7}$ Hz	
		100 Hz	$5.8 \times 10^{-6}$ Hz	
		1 kHz	$5.8 \times 10^{-8}$ Hz	
		10 kHz	$5.8 \times 10^{-7}$ Hz	
		100 kHz	$5.8 \times 10^{-6}$ Hz	
		1 MHz	$5.8 \times 10^{-8}$ Hz	
		10 MHz	$5.8 \times 10^{-7}$ Hz	
	Audio Output Level		10 mV	
		100 Hz	6.0 $\mu$ V	
		1 kHz	6.0 $\mu$ V	
		50 kHz	31 $\mu$ V	
		100 kHz	32 $\mu$ V	
		1 MHz	35 $\mu$ V	
		100 mV		
		100 Hz	23 $\mu$ V	
		1 kHz	23 $\mu$ V	
		50 kHz	0.11 mV	
		100 kHz	0.12 mV	
		1 MHz	0.14 mV	
		1 V		
		100 Hz	0.15 mV	
		1 kHz	0.15 mV	
	50 kHz	0.81 mV		
	100 kHz	0.81 mV		
	1 MHz	1.0 mV		
	10 V			
	100 Hz	1.4 mV		
	1 kHz	1.4 mV		
	50 kHz	8.2 mV		
	100 kHz	8.2 mV		
	1 MHz	10 mV		
AC Input Voltage		100 mV		
		40 Hz	17 $\mu$ V	
		500 Hz	16 $\mu$ V	
		1 kHz	16 $\mu$ V	
		10 kHz	16 $\mu$ V	
		20 kHz	16 $\mu$ V	
		50 kHz	28 $\mu$ V	
		100 kHz	65 $\mu$ V	
		200 kHz	0.11 mV	
		500 kHz	0.17 mV	
		1 MHz	0.32 mV	
		1 V		
		40 Hz	0.11 mV	
		500 Hz	67 $\mu$ V	
		1 kHz	67 $\mu$ V	
	10 kHz	67 $\mu$ V		

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
이동통신 종합시험기 AC Input Voltage	40629	1 V		
			20 kHz 50 kHz 100 kHz 200 kHz 500 kHz 1 MHz	67 $\mu$ V 96 $\mu$ V 0.15 mV 0.52 mV 1.2 mV 2.0 mV
DC Input Voltage		10 V		
			40 Hz 500 Hz 1 kHz 10 kHz 20 kHz 50 kHz 100 kHz 200 kHz 500 kHz 1 MHz	1.1 mV 0.65 mV 0.65 mV 0.65 mV 0.65 mV 0.96 mV 1.3 mV 8.3 mV 10 mV 16 mV
		100 mV 1 V 10 V	1.3 $\mu$ V 6.2 $\mu$ V 44 $\mu$ V	
변조계	40630			Measuring Receiver/ 변조도측정
AM		99 % 80 % 60 % 40 % 20 % 1 %	1.2 % 0.9 % 0.71 % 0.48 % 0.23 % 0.012 %	
FM		400 kHz 300 kHz 200 kHz 100 kHz 80 kHz 60 kHz 40 kHz 20 kHz 1 kHz	4.6 kHz 3.5 kHz 2.3 kHz 1.2 kHz 0.9 kHz 0.71 kHz 0.48 kHz 0.23 kHz 0.012 kHz	
PM		400 rad 300 rad 200 rad 100 rad 80 rad 60 rad 40 rad 20 rad 1 rad	14 rad 10.4 rad 6.9 rad 3.5 rad 2.8 rad 2.1 rad 1.4 rad 0.69 rad 0.035 rad	

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
회로망 분석기 Frequency	40631	5 GHz 이하		Frequency Standard, Frequency Counter/
		1 MHz 0.116 mHz 10 MHz 1.16 mHz 100 MHz 11.6 mHz 500 MHz 57.9 mHz 1 000 MHz 0.116 Hz 2 000 MHz 0.232 Hz 3 000 MHz 0.348 Hz 4 000 MHz 0.463 Hz 5 000 MHz 0.579 Hz		
		5 GHz 초과		주파수측정
		6 000 MHz	1.33 Hz	
		8 000 MHz	1.33 Hz	
		10 000 MHz	1.33 Hz	
		12 000 MHz	1.33 Hz	
		13 000 MHz	1.33 Hz	
		15 000 MHz	1.33 Hz	
		16 000 MHz	1.33 Hz	
		17 000 MHz	1.33 Hz	
		18 000 MHz	1.33 Hz	
OUTPUT LEVEL		[10 MHz]		Power Sensor, Power Meter, Sensor Module, Measuring Receiver/ 출력레벨측정
		10 dBm	0.067 dB	
	0 dBm	0.067 dB		
	-10 dBm	0.067 dB		
	-20 dBm	0.068 dB		
	-30 dBm	0.069 dB		
	-40 dBm	0.071 dB		
	-50 dBm	0.073 dB		
	-60 dBm	0.075 dB		
	-70 dBm	0.078 dB		
	-80 dBm	0.081 dB		
	-90 dBm	0.085 dB		
	-100 dBm	0.088 dB		
	-110 dBm	0.133 dB		
	-120 dBm	0.184 dB		
		[1 GHz]		
		10 dBm	0.067 dB	
		0 dBm	0.067 dB	
		-10 dBm	0.067 dB	
		-20 dBm	0.068 dB	
		-30 dBm	0.069 dB	
		-40 dBm	0.071 dB	
		-50 dBm	0.073 dB	
		-60 dBm	0.075 dB	
		-70 dBm	0.078 dB	
		-80 dBm	0.081 dB	
		-90 dBm	0.085 dB	
		-100 dBm	0.088 dB	
		-110 dBm	0.133 dB	
		-120 dBm	0.184 dB	

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
회로망 분석기 OUTPUT LEVEL	40631	[5 GHz]	10 dBm	0.082 dB
			0 dBm	0.082 dB
			-10 dBm	0.082 dB
			-20 dBm	0.085 dB
			-30 dBm	0.086 dB
			-40 dBm	0.087 dB
			-50 dBm	0.089 dB
			-60 dBm	0.091 dB
			-70 dBm	0.093 dB
			-80 dBm	0.096 dB
			-90 dBm	0.099 dB
		-100 dBm	0.102 dB	
		[10 GHz]	10 dBm	0.082 dB
			0 dBm	0.082 dB
			-10 dBm	0.082 dB
			-20 dBm	0.085 dB
			-30 dBm	0.086 dB
			-40 dBm	0.087 dB
			-50 dBm	0.089 dB
			-60 dBm	0.091 dB
			-70 dBm	0.093 dB
			-80 dBm	0.096 dB
			-90 dBm	0.099 dB
		-100 dBm	0.102 dB	
		[15 GHz]	10 dBm	0.102 dB
			0 dBm	0.102 dB
			-10 dBm	0.102 dB
			-20 dBm	0.103 dB
			-30 dBm	0.104 dB
			-40 dBm	0.105 dB
			-50 dBm	0.106 dB
			-60 dBm	0.108 dB
			-70 dBm	0.110 dB
-80 dBm	0.112 dB			
-90 dBm	0.114 dB			
-100 dBm	0.117 dB			
OUTPUT LEVEL	[18 GHz]	10 dBm	0.101 dB	
		0 dBm	0.101 dB	
		-10 dBm	0.101 dB	
		-20 dBm	0.106 dB	
		-30 dBm	0.106 dB	
		-40 dBm	0.108 dB	
		-50 dBm	0.109 dB	
		-60 dBm	0.110 dB	
		-70 dBm	0.112 dB	
		-80 dBm	0.115 dB	
		-90 dBm	0.117 dB	
-100 dBm	0.120 dB			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
회로망 분석기 Frequency Response	40631	0.01 GHz	0.097 dB	Power Sensor, Power Meter/ 입력레벨측정
		1 GHz	0.103 dB	
Dynamic Accuracy	40631	5 GHz	0.113 dB	
		10 GHz	0.114 dB	
		15 GHz	0.128 dB	
		18 GHz	0.131 dB	
		[0.05 GHz]		
		0 dB	0.017 dB	
		-10 dB	0.031 dB	
		-20 dB	0.039 dB	
		-30 dB	0.045 dB	
		-40 dB	0.052 dB	
		-50 dB	0.059 dB	
		-60 dB	0.067 dB	
		-70 dB	0.071 dB	
		-80 dB	0.076 dB	
		-90 dB	0.081 dB	
		-100 dB	0.086 dB	
		[1 GHz]		
		0 dB	0.017 dB	
		-10 dB	0.031 dB	
		-20 dB	0.039 dB	
-30 dB	0.045 dB			
-40 dB	0.052 dB			
-50 dB	0.059 dB			
-60 dB	0.067 dB			
-70 dB	0.071 dB			
-80 dB	0.076 dB			
-90 dB	0.081 dB			
-100 dB	0.086 dB			
[5 GHz]				
0 dB	0.025 dB			
-10 dB	0.035 dB			
-20 dB	0.043 dB			
-30 dB	0.048 dB			
-40 dB	0.055 dB			
-50 dB	0.062 dB			
-60 dB	0.069 dB			
-70 dB	0.073 dB			
-80 dB	0.078 dB			
-90 dB	0.083 dB			
-100 dB	0.087 dB			
[10 GHz]				
0 dB	0.025 dB			
-10 dB	0.035 dB			
-20 dB	0.043 dB			
-30 dB	0.049 dB			
-40 dB	0.055 dB			
-50 dB	0.062 dB			
-60 dB	0.069 dB			
-70 dB	0.073 dB			
-80 dB	0.078 dB			
-90 dB	0.083 dB			
-100 dB	0.088 dB			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
회로망 분석기 Dynamic Accuracy	40631	[15 GHz]		
		0 dB	0.026 dB	
		-10 dB	0.036 dB	
		-20 dB	0.043 dB	
		-30 dB	0.049 dB	
		-40 dB	0.056 dB	
		-50 dB	0.062 dB	
		-60 dB	0.069 dB	
		-70 dB	0.074 dB	
		-80 dB	0.078 dB	
		-90 dB	0.083 dB	
		-100 dB	0.088 dB	
		[18 GHz]		
		0 dB	0.049 dB	
		-10 dB	0.055 dB	
		-20 dB	0.060 dB	
		-30 dB	0.064 dB	
		-40 dB	0.069 dB	
		-50 dB	0.075 dB	
		-60 dB	0.081 dB	
-70 dB	0.085 dB			
-80 dB	0.089 dB			
-90 dB	0.093 dB			
-100 dB	0.097 dB			
잡음 충격과 시험기 서지 전압	40634	0.1 kV	3.7 V	
		0.2 kV	7.3 V	
		0.3 kV	11 V	
		0.4 kV	15 V	
		0.5 kV	18 V	
		0.6 kV	22 V	
		0.7 kV	26 V	
		0.8 kV	29 V	
		0.9 kV	29 V	
		1 kV	37 V	
		2 kV	73 kV	
		3 kV	0.11 kV	
		4 kV	0.15 kV	
		5 kV	0.18 kV	
		6 kV	0.22 kV	
		7 kV	0.26 kV	
		8 kV	0.29 kV	
		9 kV	0.33 kV	
		10 kV	0.37 kV	
		서지 시간		10.0 ns
100.0 ns	2.7 ns			
1.0 μs	2.4 ns			
10.0 μs	23 ns			
100.0 μs	0.23 μs			
1.0 ms	2.4 μs			
10.0 ms	23 μs			
100.0 ms	0.23 ms			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
고주파 전력 측정기 일반전력 측정기 Instrument Accuracy	40643	3.165 $\mu$ W 10.00 $\mu$ W 31.60 $\mu$ W 100.0 $\mu$ W 0.316 mW 1.000 mW 3.156 mW 10.03 mW 31.79 mW 101.4 mW	9.2 nW 29 nW 92 nW 0.29 $\mu$ W 0.92 $\mu$ W 2.9 $\mu$ W 9.2 $\mu$ W 29 $\mu$ W 92 $\mu$ W 0.29 mW	Range Calibrator/ 전력측정
Power Reference Accuracy [50 MHz]		1 mW	5.8 $\mu$ W	Thermistor Mount, Power Meter, DMM/ 기준전력측정
Power Reference Frequency Accuracy		[50 MHz]	58 mHz	
RF POWER		[0.08 GHz]		Fixed Attenuator,Power Sensor, Power Meter,RF Amplifier, Signal Generator/고전력측정
		1 W 3 W 10 W 30 W 50 W 80 W 100 W	25 mW 74 mW 0.25 W 0.73 W 1.2 W 2.0 W 2.5 W	
		[1 GHz]		
		1 W 3 W 10 W 30 W 50 W 80 W 100 W	24 mW 72 mW 0.24 W 0.72 W 1.2 W 1.9 W 2.4 W	
다이오드 전력 감지기 CALIBRATION FACTOR	40644	0.01 GHz 0.3 GHz 1 GHz 2 GHz 5 GHz 10 GHz 12 GHz 15 GHz 18 GHz	1.6 % 1.6 % 1.6 % 1.8 % 1.8 % 1.8 % 2.1 % 2.1 % 2.1 %	Thermistor mount,Power meter, DMM Signal generator,NETWORK Analyzer/ 교정인자측정
열전대 전력 감지기 CALIBRATION FACTOR	40645	0.01 GHz 0.3 GHz 1 GHz 2 GHz	1.6 % 1.6 % 1.6 % 1.8 %	Thermistor mount,Power meter, DMM Signal generator,NETWORK Analyzer/ 교정인자측정

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등	
열전대 전력 감지기 CALIBRATION FACTOR	40645	5 GHz 10 GHz 12 GHz 15 GHz 18 GHz	1.8 % 1.8 % 2.1 % 2.1 % 2.1 %		
펄스 발생기	40646				
Frequency		10 MHz	1.2 mHz		
Period		1 s	0.12 ns		
		100 ms	12 ps		
		10 ms	1.2 ps		
		1 ms	0.12 ps		
		100 μs	12 fs		
		10 μs	1.2 fs		
		1 μs	0.12 fs		
		100 ns	12 as		
		10 ns	1.2 as		
	Amplitude		10 mV		
			100 Hz	6.0 μV	
		1 kHz	6.0 μV		
		50 kHz	31 μV		
		100 kHz	32 μV		
		1 MHz	35 μV		
		100 mV			
		100 Hz	23 μV		
		1 kHz	23 μV		
		50 kHz	0.11 mV		
		100 kHz	0.12 mV		
		1 MHz	0.14 mV		
		1 V			
		100 Hz	0.15 mV		
		1 kHz	0.15 mV		
		50 kHz	0.81 mV		
		100 kHz	0.81 mV		
		1 MHz	1.0 mV		
		10 V			
		100 Hz	1.4 mV		
		1 kHz	1.4 mV		
	50 kHz	8.2 mV			
	100 kHz	8.2 mV			
	1 MHz	10 mV			
Output Level [10 MHz ~ 100 MHz]		[10 MHz]			
		10 dBm	0.067 dB		
		0 dBm	0.067 dB		
		-10 dBm	0.067 dB		
		-20 dBm	0.068 dB		
		-30 dBm	0.069 dB		
		-40 dBm	0.071 dB		
		-50 dBm	0.073 dB		
		-60 dBm	0.075 dB		
		-70 dBm	0.078 dB		

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
펄스 발생기	40646	-80 dBm -90 dBm -100 dBm -110 dBm -120 dBm  [100 MHz] 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm -90 dBm -100 dBm -110 dBm -120 dBm	0.081 dB 0.085 dB 0.088 dB 0.133 dB 0.184 dB  0.067 dB 0.067 dB 0.067 dB 0.068 dB 0.069 dB 0.071 dB 0.073 dB 0.075 dB 0.078 dB 0.081 dB 0.085 dB 0.088 dB 0.133 dB 0.184 dB	
고주파 신호 발생기 Frequency	40648	5 GHz 이하 1 MHz 10 MHz 100 MHz 500 MHz 1 000 MHz 2 000 MHz 3 000 MHz 4 000 MHz 5 000 MHz  5 GHz 초과 6 000 MHz 8 000 MHz 10 000 MHz 12 000 MHz 13 000 MHz 15 000 MHz 16 000 MHz 17 000 MHz 18 000 MHz	0.116 mHz 1.16 mHz 11.6 mHz 57.9 mHz 0.116 Hz 0.232 Hz 0.348 Hz 0.463 Hz 0.579 Hz  1.33 Hz 1.33 Hz 1.33 Hz 1.33 Hz 1.33 Hz 1.33 Hz 1.33 Hz 1.33 Hz 1.33 Hz	Frequency Standard, Frequency Counter/ 주파수측정
Output Level		[10 MHz] 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm	0.067 dB 0.067 dB 0.067 dB 0.068 dB 0.069 dB 0.071 dB 0.073 dB 0.075 dB 0.078 dB	Power Sensor, Power Meter, Sensor Module, Measuring Receiver/ 출력레벨측정

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등	
고주파 신호 발생기 Output Level	40648	[10 MHz]			
		-80 dBm	0.081 dB		
		-90 dBm	0.085 dB		
		-100 dBm	0.088 dB		
		-110 dBm	0.133 dB		
		-120 dBm	0.184 dB		
		[1 GHz]			
		10 dBm	0.067 dB		
		0 dBm	0.067 dB		
		-10 dBm	0.067 dB		
		-20 dBm	0.068 dB		
		-30 dBm	0.069 dB		
		-40 dBm	0.071 dB		
		-50 dBm	0.073 dB		
		-60 dBm	0.075 dB		
		-70 dBm	0.078 dB		
		-80 dBm	0.081 dB		
		-90 dBm	0.085 dB		
		-100 dBm	0.088 dB		
		-110 dBm	0.133 dB		
		-120 dBm	0.184 dB		
		[5 GHz]			
		10 dBm	0.082 dB		
		0 dBm	0.082 dB		
		-10 dBm	0.082 dB		
		-20 dBm	0.085 dB		
		-30 dBm	0.086 dB		
		-40 dBm	0.087 dB		
		-50 dBm	0.089 dB		
		-60 dBm	0.091 dB		
		-70 dBm	0.093 dB		
		-80 dBm	0.096 dB		
		-90 dBm	0.099 dB		
		-100 dBm	0.102 dB		
		[10 GHz]			
		10 dBm	0.082 dB		
		0 dBm	0.082 dB		
		-10 dBm	0.082 dB		
		-20 dBm	0.085 dB		
		-30 dBm	0.086 dB		
		-40 dBm	0.087 dB		
		-50 dBm	0.089 dB		
		-60 dBm	0.091 dB		
		-70 dBm	0.093 dB		
		-80 dBm	0.096 dB		
-90 dBm	0.099 dB				
-100 dBm	0.102 dB				
[15 GHz]					
10 dBm	0.102 dB				
0 dBm	0.102 dB				
-10 dBm	0.102 dB				
-20 dBm	0.103 dB				
-30 dBm	0.104 dB				

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등		
고주파 신호 발생기 Output Level	40648	[15 GHz]				
		-40 dBm	0.105 dB			
		-50 dBm	0.106 dB			
		-60 dBm	0.108 dB			
		-70 dBm	0.110 dB			
		-80 dBm	0.112 dB			
		-90 dBm	0.114 dB			
		-100 dBm	0.117 dB			
		[18 GHz]				
		10 dBm	0.101 dB			
		0 dBm	0.101 dB			
		-10 dBm	0.101 dB			
		-20 dBm	0.106 dB			
		-30 dBm	0.106 dB			
		-40 dBm	0.108 dB			
		-50 dBm	0.109 dB			
		-60 dBm	0.110 dB			
		-70 dBm	0.112 dB			
		-80 dBm	0.115 dB			
		-90 dBm	0.117 dB			
		-100 dBm	0.120 dB			
		Frequency Modulation		[Deviation]		
				1 kHz	0.013 kHz	
10 kHz	0.13 kHz					
30 kHz	0.36 kHz					
50 kHz	0.70 kHz					
80 kHz	1.0 kHz					
100 kHz	1.3 kHz					
200 kHz	2.4 kHz					
300 kHz	3.6 kHz					
400 kHz	4.8 kHz					
Amplitude Modulation		[Depth]				
		5 pct	0.072 pct			
		10 pct	0.13 pct			
		30 pct	0.36 pct			
		50 pct	0.70 pct			
		80 pct	1.0 pct			
		90 pct	1.2 pct			
		99 pct	1.3 pct			
Phase Modulation		[Deviation]				
		1 rad	0.036 rad			
		10 rad	0.36 rad			
		30 rad	1.1 rad			
		50 rad	1.8 rad			
		80 rad	2.9 rad			
		100 rad	3.6 rad			
		200 rad	7.0 rad			
		300 rad	11 rad			
		400 rad	14 rad			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
고주파 스펙트럼 분석기	40649			
Reference Frequency		1 MHz 5 MHz 10 MHz 30 MHz 100 MHz 300 MHz	0.14 mHz 0.63 mHz 1.4 mHz 3.8 mHz 14 mHz 38 mHz	Frequency Standard, Frequency Counter/ 주파수측정
Calibrator Output ACCURACY		[1 MHz - 1 GHz] 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm	0.08 dB 0.08 dB 0.08 dB 0.15 dB 0.17 dB	Power Sensor, Power Meter, Sensor Module, Measuring Receiver/ 기준레벨측정
Scale Fidelity (10 dB/DIV.)		0 dB -10 dB -20 dB -30 dB -40 dB -50 dB -60 dB -70 dB -80 dB -90 dB -100 dB -110 dB	0.08 dB 0.08 dB 0.15 dB 0.17 dB 0.22 dB 0.25 dB 0.28 dB 0.30 dB 0.37 dB 0.40 dB 0.43 dB 0.46 dB	Attenuator, Power Sensor, Power Meter, Sensor Module, Measuring Receiver, Signal Generator/ Scale정확도측정
Frequency Response		10 MHz 100 MHz 1 GHz 3 GHz 5 GHz 15 GHz 18 GHz	0.19 dB 0.19 dB 0.19 dB 0.23 dB 0.29 dB 0.40 dB 0.40 dB	Power Sensor, Power Meter, Signal Generator/ 입력레벨측정
Reference Level		0 dB -10 dB -20 dB -30 dB -40 dB -50 dB -60 dB -70 dB -80 dB -90 dB -100 dB	0.08 dB 0.08 dB 0.13 dB 0.15 dB 0.22 dB 0.24 dB 0.27 dB 0.30 dB 0.37 dB 0.41 dB 0.44 dB	Attenuator, Power Sensor, Power Meter, Sensor Module, Measuring Receiver, Signal Generator /입력범위정확도측정
서지 제너레이터 서지 전압	40651	0.1 kV 0.2 kV 0.3 kV 0.4 kV 0.5 kV 0.6 kV 0.7 kV 0.8 kV 0.9 kV	3.7 V 7.3 V 11 V 15 V 18 V 22 V 26 V 29 V 29 V	

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등		
서지 제너레이터 서지 전압          서지 시간	40651	1 kV	37 V			
		2 kV	73 kV			
		3 kV	0.11 kV			
		4 kV	0.15 kV			
		5 kV	0.18 kV			
		6 kV	0.22 kV			
		7 kV	0.26 kV			
		8 kV	0.29 kV			
		9 kV	0.33 kV			
		10 kV	0.37 kV			
		10.0 ns	0.27 ns			
		100.0 ns	2.7 ns			
		1.0 μs	2.4 ns			
		10.0 μs	23 ns			
		100.0 μs	0.23 μs			
		1.0 ms	2.4 μs			
		10.0 ms	23 μs			
		100.0 ms	0.23 ms			
		정재파비 측정기 VSWR	40652	[1.05]		
				0.05 GHz	0.059	
1 GHz	0.059					
2 GHz	0.061					
3 GHz	0.061					
4 GHz	0.060					
5 GHz	0.060					
6 GHz	0.061					
7 GHz	0.061					
8 GHz	0.061					
9 GHz	0.061					
10 GHz	0.061					
11 GHz	0.061					
12 GHz	0.061					
13 GHz	0.095					
14 GHz	0.095					
15 GHz	0.094					
16 GHz	0.095					
17 GHz	0.095					
18 GHz	0.095					
[1.20]						
0.05 GHz	0.071					
1 GHz	0.071					
2 GHz	0.074					
3 GHz	0.074					
4 GHz	0.074					
5 GHz	0.074					
6 GHz	0.074					
7 GHz	0.074					
8 GHz	0.074					
9 GHz	0.085					
10 GHz	0.085					

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
정재파비 측정기 VSWR	40652	[1.20]		
		11 GHz	0.085	
		12 GHz	0.085	
		13 GHz	0.118	
		14 GHz	0.118	
		15 GHz	0.118	
		16 GHz	0.118	
		17 GHz	0.118	
		18 GHz	0.118	
		[1.50]		
		0.05 GHz	0.095	
		1 GHz	0.095	
		2 GHz	0.101	
		3 GHz	0.101	
		4 GHz	0.101	
		5 GHz	0.101	
		6 GHz	0.101	
		7 GHz	0.100	
		8 GHz	0.100	
		9 GHz	0.111	
		10 GHz	0.111	
		11 GHz	0.111	
		12 GHz	0.111	
		13 GHz	0.200	
		14 GHz	0.200	
		15 GHz	0.200	
		16 GHz	0.200	
		17 GHz	0.200	
		18 GHz	0.201	
		[2.00]		
		0.05 GHz	0.144	
		1 GHz	0.144	
		2 GHz	0.154	
		3 GHz	0.154	
		4 GHz	0.154	
		5 GHz	0.155	
		6 GHz	0.156	
		7 GHz	0.155	
		8 GHz	0.158	
		9 GHz	0.158	
		10 GHz	0.160	
		11 GHz	0.159	
		12 GHz	0.158	
		13 GHz	0.264	
		14 GHz	0.264	
15 GHz	0.263			
16 GHz	0.261			
17 GHz	0.264			
18 GHz	0.265			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등	
정재파비 측정기 Source Power	40652	[0.05 GHz]			
		10 dBm	0.067 dB		
		0 dBm	0.067 dB		
		-10 dBm	0.067 dB		
		-20 dBm	0.067 dB		
		-30 dBm	0.067 dB		
		[1 GHz]			
		10 dBm	0.067 dB		
		0 dBm	0.067 dB		
		-10 dBm	0.067 dB		
		-20 dBm	0.067 dB		
		-30 dBm	0.067 dB		
		[3 GHz]			
		10 dBm	0.082 dB		
		0 dBm	0.082 dB		
		-10 dBm	0.082 dB		
		-20 dBm	0.082 dB		
		-30 dBm	0.082 dB		
		[5 GHz]			
		10 dBm	0.082 dB		
		0 dBm	0.082 dB		
		-10 dBm	0.082 dB		
		-20 dBm	0.082 dB		
		-30 dBm	0.082 dB		
		[8 GHz]			
		10 dBm	0.083 dB		
		0 dBm	0.083 dB		
		-10 dBm	0.083 dB		
		-20 dBm	0.083 dB		
		-30 dBm	0.083 dB		
		[10 GHz]			
		10 dBm	0.083 dB		
		0 dBm	0.083 dB		
		-10 dBm	0.083 dB		
		-20 dBm	0.083 dB		
		-30 dBm	0.083 dB		
		[12 GHz]			
		10 dBm	0.100 dB		
		0 dBm	0.100 dB		
		-10 dBm	0.100 dB		
		-20 dBm	0.100 dB		
		-30 dBm	0.100 dB		
[15 GHz]					
10 dBm	0.101 dB				
0 dBm	0.101 dB				
-10 dBm	0.101 dB				
-20 dBm	0.101 dB				
-30 dBm	0.101 dB				

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
정재파비 측정기 Source Power	40652	[18 GHz]		
		10 dBm	0.101 dB	
		0 dBm	0.101 dB	
		-10 dBm	0.101 dB	
		-20 dBm	0.101 dB	
		-30 dBm	0.101 dB	
Frequency	40652	5 GHz 이하		
		1 MHz	0.116 mHz	
		10 MHz	1.16 mHz	
		100 MHz	11.6 mHz	
		500 MHz	57.9 mHz	
		1 000 MHz	0.116 Hz	
		2 000 MHz	0.232 Hz	
		3 000 MHz	0.348 Hz	
		4 000 MHz	0.463 Hz	
		5 000 MHz	0.579 Hz	
		5 GHz 초과		
		6 000 MHz	1.33 Hz	
		8 000 MHz	1.33 Hz	
		10 000 MHz	1.33 Hz	
		12 000 MHz	1.33 Hz	
		13 000 MHz	1.33 Hz	
		15 000 MHz	1.33 Hz	
		16 000 MHz	1.33 Hz	
17 000 MHz	1.33 Hz			
18 000 MHz	1.33 Hz			
터미네이션/부정합 Reflection Coefficient	40654	[0.000 0]		Thermistor Mount , Power Meter, DMM, Signal Generator, Network Analyzer/교정인자측정
		0.05 GHz	0.005 2	
		0.5 GHz	0.004 9	
		1 GHz	0.004 9	
		2 GHz	0.004 7	
		3 GHz	0.009 3	
		4 GHz	0.009 3	
		5 GHz	0.009 3	
		6 GHz	0.009 4	
		7 GHz	0.009 4	
		8 GHz	0.009 7	
		9 GHz	0.009 5	
		10 GHz	0.009 6	
		11 GHz	0.009 4	
		12 GHz	0.009 3	
		13 GHz	0.009 2	
		14 GHz	0.009 3	
		15 GHz	0.009 7	
		16 GHz	0.009 3	
		17 GHz	0.009 4	
		18 GHz	0.009 4	
		[0.024 4]		
		0.05 GHz	0.005 4	
		0.5 GHz	0.005 1	
		1 GHz	0.005 1	

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
터미네이션/부정합	40654	[0.024 4]		
		2 GHz	0.004 9	
		3 GHz	0.009 6	
		4 GHz	0.009 5	
		5 GHz	0.009 6	
		6 GHz	0.009 6	
		7 GHz	0.009 6	
		8 GHz	0.009 9	
		9 GHz	0.009 8	
		10 GHz	0.009 9	
		11 GHz	0.009 7	
		12 GHz	0.009 6	
		13 GHz	0.009 5	
		14 GHz	0.009 5	
		15 GHz	0.009 9	
		16 GHz	0.009 5	
		17 GHz	0.009 7	
		18 GHz	0.009 7	
		[0.047 6]		
		0.05 GHz	0.005 6	
		0.5 GHz	0.005 3	
		1 GHz	0.005 3	
		2 GHz	0.005 1	
		3 GHz	0.009 8	
		4 GHz	0.009 8	
		5 GHz	0.009 8	
		6 GHz	0.009 8	
		7 GHz	0.009 8	
		8 GHz	0.010 1	
		9 GHz	0.010 0	
		10 GHz	0.010 1	
		11 GHz	0.009 9	
		12 GHz	0.009 9	
		13 GHz	0.009 8	
		14 GHz	0.009 8	
		15 GHz	0.010 2	
		16 GHz	0.009 8	
		17 GHz	0.009 9	
		18 GHz	0.009 9	
		[0.090 9]		
		0.05 GHz	0.005 8	
		0.5 GHz	0.005 6	
		1 GHz	0.005 6	
		2 GHz	0.005 4	
		3 GHz	0.010 2	
4 GHz	0.010 1			
5 GHz	0.010 2			
6 GHz	0.010 2			
7 GHz	0.010 2			
8 GHz	0.010 5			
9 GHz	0.010 5			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
터미네이션/부정합 Reflection Coefficient	40654	[0.090 9]		
		10 GHz	0.010 6	
		11 GHz	0.010 4	
		12 GHz	0.010 3	
		13 GHz	0.010 2	
		14 GHz	0.010 3	
		15 GHz	0.010 6	
		16 GHz	0.010 3	
		17 GHz	0.010 4	
		18 GHz	0.010 4	
		[0.130 4]		
		0.05 GHz	0.006 1	
		0.5 GHz	0.005 9	
		1 GHz	0.005 9	
		2 GHz	0.005 7	
		3 GHz	0.010 5	
		4 GHz	0.010 5	
		5 GHz	0.010 6	
		6 GHz	0.010 6	
		7 GHz	0.010 6	
		8 GHz	0.010 9	
		9 GHz	0.011 0	
		10 GHz	0.011 1	
		11 GHz	0.010 9	
		12 GHz	0.010 8	
		13 GHz	0.010 7	
		14 GHz	0.010 8	
		15 GHz	0.011 1	
		16 GHz	0.010 8	
		17 GHz	0.010 9	
		18 GHz	0.010 9	
		[0.200 0]		
		0.05 GHz	0.006 5	
		0.5 GHz	0.006 3	
		1 GHz	0.006 3	
		2 GHz	0.006 1	
		3 GHz	0.011 3	
		4 GHz	0.011 3	
		5 GHz	0.011 3	
		6 GHz	0.011 3	
		7 GHz	0.011 3	
		8 GHz	0.011 6	
		9 GHz	0.012 0	
		10 GHz	0.012 1	
		11 GHz	0.011 9	
		12 GHz	0.011 8	
		13 GHz	0.011 7	
		14 GHz	0.011 8	
15 GHz	0.012 1			
16 GHz	0.011 8			
17 GHz	0.011 9			
18 GHz	0.011 9			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
터미네이션/부정합 Reflection Coefficient	40654	[0.272 7]		
		0.05 GHz	0.007 0	
		0.5 GHz	0.006 8	
		1 GHz	0.006 8	
		2 GHz	0.006 7	
		3 GHz	0.012 3	
		4 GHz	0.012 2	
		5 GHz	0.012 3	
		6 GHz	0.012 3	
		7 GHz	0.012 3	
		8 GHz	0.012 5	
		9 GHz	0.013 3	
		10 GHz	0.013 3	
		11 GHz	0.013 2	
		12 GHz	0.013 1	
		13 GHz	0.013 1	
		14 GHz	0.013 1	
		15 GHz	0.013 4	
		16 GHz	0.013 1	
		17 GHz	0.013 2	
		18 GHz	0.013 2	
		[0.333 3]		
		0.05 GHz	0.007 4	
		0.5 GHz	0.007 2	
		1 GHz	0.007 2	
		2 GHz	0.007 1	
		3 GHz	0.013 1	
		4 GHz	0.013 1	
		5 GHz	0.013 1	
		6 GHz	0.013 2	
		7 GHz	0.013 2	
		8 GHz	0.013 4	
		9 GHz	0.014 5	
		10 GHz	0.014 6	
		11 GHz	0.014 4	
		12 GHz	0.014 4	
		13 GHz	0.014 3	
		14 GHz	0.014 3	
		15 GHz	0.014 6	
		16 GHz	0.014 3	
		17 GHz	0.014 4	
		18 GHz	0.014 4	
		[0.428 6]		
		0.05 GHz	0.008 1	
		0.5 GHz	0.008 0	
		1 GHz	0.008 0	
		2 GHz	0.007 8	
		3 GHz	0.014 8	
		4 GHz	0.014 8	
		5 GHz	0.014 8	
		6 GHz	0.014 8	
		7 GHz	0.014 8	

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등	
터미네이션/부정합 Reflection Coefficient	40654	[0.428 6]			
		8 GHz	0.015 0		
		9 GHz	0.016 8		
		10 GHz	0.016 9		
		11 GHz	0.016 7		
		12 GHz	0.016 7		
		13 GHz	0.016 6		
		14 GHz	0.016 6		
		15 GHz	0.016 9		
		16 GHz	0.016 6		
		17 GHz	0.016 7		
		18 GHz	0.016 7		
		[0.500 0]			
		0.05 GHz	0.008 7		
		0.5 GHz	0.008 5		
		1 GHz	0.008 5		
		2 GHz	0.008 5		
		3 GHz	0.016 3		
		4 GHz	0.016 1		
		5 GHz	0.016 2		
		6 GHz	0.016 3		
		7 GHz	0.016 2		
		8 GHz	0.016 4		
		9 GHz	0.018 7		
		10 GHz	0.018 8		
		11 GHz	0.018 7		
		12 GHz	0.018 7		
		13 GHz	0.018 6		
		14 GHz	0.018 6		
		15 GHz	0.018 8		
		16 GHz	0.018 6		
		17 GHz	0.018 7		
		18 GHz	0.018 7		
		[1.000]			
		0.05 GHz	0.010		
		0.5 GHz	0.010		
		1 GHz	0.010		
		2 GHz	0.009		
		3 GHz	0.019		
		4 GHz	0.019		
		5 GHz	0.019		
		6 GHz	0.019		
7 GHz	0.019				
8 GHz	0.019				
9 GHz	0.019				
10 GHz	0.019				
11 GHz	0.019				
12 GHz	0.019				
13 GHz	0.019				
14 GHz	0.019				
15 GHz	0.019				
16 GHz	0.019				

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
터미네이션/부정합 VSWR	40654	[1.000]		
		17 GHz	0.019	
		18 GHz	0.019	
		[1.050]		
		0.05 GHz	0.011	
		0.5 GHz	0.011	
		1 GHz	0.011	
		2 GHz	0.010	
		3 GHz	0.020	
		4 GHz	0.020	
		5 GHz	0.020	
		6 GHz	0.020	
		7 GHz	0.020	
		8 GHz	0.021	
		9 GHz	0.021	
		10 GHz	0.021	
		11 GHz	0.021	
		12 GHz	0.020	
		13 GHz	0.020	
		14 GHz	0.020	
		15 GHz	0.021	
		16 GHz	0.020	
		17 GHz	0.021	
		18 GHz	0.020	
		[1.100]		
		0.05 GHz	0.012	
		0.5 GHz	0.012	
		1 GHz	0.012	
		2 GHz	0.011	
		3 GHz	0.022	
		4 GHz	0.022	
		5 GHz	0.022	
		6 GHz	0.022	
		7 GHz	0.022	
		8 GHz	0.022	
		9 GHz	0.022	
		10 GHz	0.022	
		11 GHz	0.022	
		12 GHz	0.022	
		13 GHz	0.022	
		14 GHz	0.022	
		15 GHz	0.023	
16 GHz	0.022			
17 GHz	0.022			
18 GHz	0.022			
[1.200]				
0.05 GHz	0.014			
0.5 GHz	0.014			
1 GHz	0.014			
2 GHz	0.013			
3 GHz	0.025			
4 GHz	0.025			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
터미네이션/부정합 VSWR	40654	[1.200]		
		5 GHz	0.025	
		6 GHz	0.025	
		7 GHz	0.025	
		8 GHz	0.025	
		9 GHz	0.026	
		10 GHz	0.026	
		11 GHz	0.025	
		12 GHz	0.025	
		13 GHz	0.025	
		14 GHz	0.025	
		15 GHz	0.026	
		16 GHz	0.025	
		17 GHz	0.026	
		18 GHz	0.025	
		[1.300]		
		0.05 GHz	0.016	
		0.5 GHz	0.016	
		1 GHz	0.016	
		2 GHz	0.015	
		3 GHz	0.028	
		4 GHz	0.028	
		5 GHz	0.028	
		6 GHz	0.028	
		7 GHz	0.028	
		8 GHz	0.029	
		9 GHz	0.029	
		10 GHz	0.029	
		11 GHz	0.029	
		12 GHz	0.029	
		13 GHz	0.029	
		14 GHz	0.029	
		15 GHz	0.030	
		16 GHz	0.029	
		17 GHz	0.029	
		18 GHz	0.029	
		[1.500]		
		0.05 GHz	0.020	
		0.5 GHz	0.020	
		1 GHz	0.020	
		2 GHz	0.019	
		3 GHz	0.035	
		4 GHz	0.035	
		5 GHz	0.035	
		6 GHz	0.035	
		7 GHz	0.036	
8 GHz	0.036			
9 GHz	0.038			
10 GHz	0.038			
11 GHz	0.038			
12 GHz	0.037			
13 GHz	0.037			
14 GHz	0.037			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
터미네이션/부정합 VSWR	40654	[1.500]		
		15 GHz	0.038	
		16 GHz	0.037	
		17 GHz	0.038	
		18 GHz	0.037	
		[1.750]		
		0.05 GHz	0.027	
		0.5 GHz	0.026	
		1 GHz	0.026	
		2 GHz	0.025	
		3 GHz	0.046	
		4 GHz	0.046	
		5 GHz	0.047	
		6 GHz	0.047	
		7 GHz	0.047	
		8 GHz	0.048	
		9 GHz	0.051	
		10 GHz	0.051	
		11 GHz	0.051	
		12 GHz	0.050	
		13 GHz	0.050	
		14 GHz	0.050	
		15 GHz	0.051	
		16 GHz	0.050	
		17 GHz	0.051	
		18 GHz	0.050	
		[2.000]		
		0.05 GHz	0.033	
		0.5 GHz	0.033	
		1 GHz	0.033	
		2 GHz	0.032	
		3 GHz	0.059	
		4 GHz	0.059	
		5 GHz	0.059	
		6 GHz	0.059	
		7 GHz	0.060	
		8 GHz	0.061	
		9 GHz	0.066	
		10 GHz	0.066	
		11 GHz	0.066	
		12 GHz	0.065	
		13 GHz	0.065	
		14 GHz	0.065	
		15 GHz	0.066	
		16 GHz	0.065	
		17 GHz	0.066	
		18 GHz	0.065	
[2.500]				
0.05 GHz	0.050			
0.5 GHz	0.049			
1 GHz	0.049			

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
터미네이션/부정합 VSWR	40654	[2.500] 2 GHz 3 GHz 4 GHz 5 GHz 6 GHz 7 GHz 8 GHz 9 GHz 10 GHz 11 GHz 12 GHz 13 GHz 14 GHz 15 GHz 16 GHz 17 GHz 18 GHz  [3.000] 0.05 GHz 0.5 GHz 1 GHz 2 GHz 3 GHz 4 GHz 5 GHz 6 GHz 7 GHz 8 GHz 9 GHz 10 GHz 11 GHz 12 GHz 13 GHz 14 GHz 15 GHz 16 GHz 17 GHz 18 GHz	0.048 0.091 0.091 0.091 0.091 0.092 0.093 0.104 0.104 0.104 0.103 0.103 0.104 0.104 0.104 0.105 0.103  0.070 0.068 0.068 0.068 0.130 0.130 0.130 0.131 0.131 0.132 0.151 0.151 0.152 0.151 0.152 0.152 0.151 0.154 0.151	
동축형 서미스터 마운트 교정 인자	40655	0.01 GHz 0.3 GHz 1 GHz 2 GHz 5 GHz 10 GHz 12 GHz 15 GHz 18 GHz	1.2 % 1.2 % 1.2 % 1.5 % 1.5 % 1.5 % 1.9 % 1.9 % 1.9 %	

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
벡터스코프 Amplitude	40658	71.4 mV 143 mV 214 mV 286 mV 357 mV 428 mV 500 mV 571 mV 643 mV 714 mV 785 mV 857 mV 928 mV 1 000 mV	1.2 mV 2.5 mV 3.7 mV 5.0 mV 6.2 mV 7.5 mV 8.7 mV 10 mV 11 mV 12 mV 14 mV 15 mV 16 mV 17 mV	
Phase		167.1 ° 283.4 ° 240.8 ° 60.8 ° 103.8 ° 347.1 °	2.4 ° 2.4 ° 2.4 ° 2.4 ° 2.4 ° 2.4 °	
영상신호 분석기 Amplitude(ntsc)	40659			
10 IRE		71.4 mV	1.2 mV	
20 IRE		143 mV	2.5 mV	
50 IRE		357 mV	3.7 mV	
60 IRE		428 mV	5.0 mV	
70 IRE		500 mV	6.2 mV	
80 IRE		571 mV	7.5 mV	
90 IRE		643 mV	8.7 mV	
100 IRE		714 mV	10 mV	
110 IRE		785 mV	11 mV	
120 IRE		857 mV	12 mV	
130 IRE		928 mV	14 mV	
140 IRE		1 000 mV	15 mV	
Subcarrier Frequency		3.579 545 Mhz	5.8.E-06 Hz	
Line Frequency		15.734 Hz	5.8.E-04 Hz	
Field Frequency		59.94 Hz	5.8.E-03 Hz	
Phase				
YL		167.1 °	2.4 °	
CY		283.4 °	2.4 °	
G		240.8 °	2.4 °	
MG		60.8 °	2.4 °	
R		103.8 °	2.4 °	
G		347.1 °	2.4 °	

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
영상신호 발생기 Amplitude(ntsc)	40660			
10 IRE		71.4 mV	0.6 IRE	
20 IRE		143 mV	0.6 IRE	
30 IRE		214 mV	0.6 IRE	
40 IRE		286 mV	0.6 IRE	
50 IRE		357 mV	0.6 IRE	
60 IRE		428 mV	0.6 IRE	
70 IRE		500 mV	0.6 IRE	
80 IRE		571 mV	0.6 IRE	
90 IRE		643 mV	0.6 IRE	
100 IRE		714 mV	0.6 IRE	
110 IRE		785 mV	0.6 IRE	
120 IRE		857 mV	0.6 IRE	
130 IRE		928 mV	0.6 IRE	
140 IRE		1 000 mV	0.6 IRE	
Subcarrier Frequency		3.579 545 MHz	52 mHz	
Line Frequency		15.734 Hz	0.52 mHz	
Field Frequency		59.94 Hz	52 uHz	
Phase		167.1 °	0.6 °	
YL		283.4 °	0.6 °	
CY		240.8 °	0.6 °	
G		60.8 °	0.6 °	
MG		103.8 °	0.6 °	
R		347.1 °	0.6 °	
G				
고주파 전압계	40663			
고주파 전압계의		100 MHz	$1.2 \times 10^{-2}$	
전압과 RF 출력		500 MHz	$1.2 \times 10^{-2}$	
전압의 비(F)		1000 MHz	$1.2 \times 10^{-2}$	
통신시스템	40618			
Bit rate		1 544 000 Hz	0.002 Hz	
		2 048 000 Hz	0.002 Hz	
Jitter		DS1	7.50 ns	
			7.52 ns	
		E1	5.65 ns	
			5.65 ns	
Level (Amplitude)		10 dBm	0.03 dB	
600Ω		0 dBm	0.03 dB	
		-10 dBm	0.03 dB	
		-20 dBm	0.03 dB	
		-30 dBm	0.03 dB	
		-40 dBm	0.03 dB	
		-50 dBm	0.03 dB	

(406. RF 측정)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
통신시스템 FREQUENCY RESPONSE	40618	100 Hz 1 000 Hz 20 000 Hz 50 000 Hz 100 000 Hz	0.03 dB 0.03 dB 0.03 dB 0.03 dB 0.03 dB	
디지털통신시스템 Bit rate Jitter	40619	1 544 000 Hz 2 048 000 Hz 44 736 000 Hz DS1 E1 DS3	0.002 Hz 0.002 Hz 0.002 Hz 7.50 ns 7.49 ns 5.65 ns 5.65 ns 0.39 ns 0.39 ns	

(502. 습도)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
모발 습도계	50202	습도: 10 % ~ 90 % R.H. 온도: 0 °C ~ 50 °C	3.4 % R.H. 1.0 °C	Constant Temp-Humidity, Chamber/온도, 습도
온습도 기록계	50206	습도: 10 % ~ 90 % R.H. 온도: 0 °C ~ 50 °C	3.4 % R.H. 1.0 °C	Constant Temp-Humidity, Chamber/온도, 습도

(601. 음향)

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
소음지시계	60107	94 dB 114 dB	0.14 dB 0.14 dB	Sound Calibrator/소음

(702. 광원 및 검출기 )

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
안정화 LD 광원 1310 nm 1550 nm	70211	Power : 10 mW ~ 1 nW Wavelength : 600 ~ 1700 nm Power : 10 mW ~ 1 nW Wavelength : 600 ~ 1700 nm	0.018 dB 0.29 pm 0.022 dB 0.35 pm	Wavemeter ,OSA Wavelength,Power 측정
안정화 LED 광원 1310 nm 1550 nm	70212	Power : 10 mW ~ 1 nW Wavelength : 600 ~ 1700 nm Power : 10 mW ~ 1 nW Wavelength : 600 ~ 1700 nm	0.02 dB 27 pm 0.02 dB 27 pm	Wavemeter ,OSA Wavelength,Power 측정

(704. 광통신 )

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
Optical Attenuator Level 1310 nm 1550 nm	70410	0 ~ 60 dB 0 ~ 60 dB	0.026 dB 0.032 dB	Calibrated Power Meter Attenuation 측정

(704. 광통신 )

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
Optical Attenuator Return Loss 1310 nm 1550 nm	70410	Level : <80 dB Level : <80 dB	0.55 dB 0.92 dB	Calibrated Power Meter Attenuation 측정
Optical Loss Tester  Power Meter 1310 nm 1550 nm  Source 1310 nm 1550 nm	70413	1 nW ~ 10 mW 1 nW ~ 10 mW  Power : 1 nW ~ 10 mW Wavelength : 600 ~ 1700 nm Power : 1 nW ~ 10 mW Wavelength : 600 ~ 1700 nm	0.47 $\mu$ W 0.62 $\mu$ W  0.018 dB 0.29 pm 0.022 dB 0.35 pm	LIGHT SOURCE, POWER METER ATTENUATION
Optical Multimeter  Power 1310 nm 1550 nm	70415	1 nW ~ 10 mW 1 nW ~ 10 mW	0.47 $\mu$ W 0.62 $\mu$ W	Calibrated Power Meter Power 측정
Optical Network Analyzer  Power Meter 1310 nm 1550 nm  분광분석기 Wavelength  Resolution  Level  Return Loss  광 감쇠기 Attenuation  Return Loss  OTDR Length 1310 nm	70416	1 nW ~ 10 mW 1 nW ~ 10 mW  633 nm 1 310 nm 1 532 nm 1 550 nm  1 310 nm 1 550 nm  Meter 1 310 nm Source 1 310 nm Meter 1 550 nm Source 1 550 nm  1 310 nm 1 550 nm  Meter 1310 nm Source 1310 nm Meter 1550 nm Source 1550 nm  1310 nm 1550 nm  2.4 km Fiber 13 km Fiber	0.47 $\mu$ W 0.62 $\mu$ W  3.6 pm 3.6 pm 3.6 pm 3.6 pm  0.58 pm 0.58 pm  0.04 dB 0.04 dB 0.04 dB 0.04 dB  0.6 dB 0.9 dB  0.026 dB 0.032 dB  0.55 dB 0.92 dB  0.1 m 0.3 m	

(704. 광통신 )

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
Optical Network Analyzer	70416			
Length 1550 nm		2.4 km Fiber	6 m	
		13 km Fiber	27 m	
Attenuation		km 당 열구간	0.007 dB/km	
다중 레이저 파장계				
Wavelength		1310 nm	0.58 pm	
		1532 nm	0.58 pm	
		1550 nm	0.58 pm	
Level		Meter 1310 nm	0.03 dB	
		Source 1310 nm	0.03 dB	
		Meter 1550 nm	0.03 dB	
		Source 1550 nm	0.03 dB	
Return Loss		1310 nm	0.55 dB	
		1550 nm	0.92 dB	
Optical Spectrum Analyzer	70417			Calibrated Power Meter, WDM Laser Source, He-Le Source/Wavelength /Power 측정
Wavelength		633 nm	3.6 pm	
		1 310 nm	3.6 pm	
		1 532 nm	3.6 pm	
		1 550 nm	3.6 pm	
Resolution		1 310 nm	0.58 pm	
		1 550 nm	0.58 pm	
Level		Meter 1 310 nm	0.04 dB	
		Source 1 310 nm	0.04 dB	
		Meter 1 550 nm	0.04 dB	
		Source 1 550 nm	0.04 dB	
Return Loss		1 310 nm	0.6 dB	
		1 550 nm	0.9 dB	
Optical Time Domain	70418			Standard Fiber Length, Attenuation 측정
Length 1 310 nm		2.4 km Fiber	0.1 m	
		13 km Fiber	0.3 m	
Length 1 550 nm		2.4 km Fiber	6 m	
		13 km Fiber	27 m	
Attenuation		km 당 열구간	0.007 dB/km	
PDH / SDH 분석기	70419			
Bit rate		1 544 000 Hz	0.002 Hz	
		2 048 000 Hz	0.002 Hz	
		44 736 000 Hz	0.002 Hz	
		155 520 000 Hz	0.02 Hz	
		622 080 000 Hz	0.02 Hz	
		2 488 320 000 Hz	0.03 Hz	
Jitter		DS1	7.50 ns	
			7.49 ns	

(704. 광통신 )

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
PDH / SDH 분석기 Jitter  SMSR (dB)  POWER (dBm)  EXTINCTION RATIO (dB)  SENSITIVITY (dBm)  REFLECTANCE (dB)	70419	E1	5.65 ns	
			5.65 ns	
		DS3	0.39 ns	
			0.39 ns	
		STM-1	0.186 ns	
		STM-4	0.065 ns	
		STM-16	0.016 ns	
		STM-1	0.23 dB	
		STM-4	0.23 dB	
		SMT-16	0.23 dB	
		STM-1	0.03 dB	
		STM-4	0.03 dB	
		SMT-16	0.03 dB	
		STM-1	0.12 dB	
		STM-4	0.12 dB	
		SMT-16	0.12 dB	
		STM-1	1.16 dB	
		STM-4	1.16 dB	
SMT-16	1.16 dB			
STM-1	2.40 dB			
STM-4	2.40 dB			
SMT-16	2.40 dB			
SDH / SONET 분석기  Bit Rate  Jitter  SMSR (dB)  POWER (dBm)  EXTINCTION RATIO (dB)  SENSITIVITY (dBm)  REFLECTANCE (dB)	70425	155 520 000 Hz	0.02 Hz	
		622 080 000 Hz	0.02 Hz	
		2 488 320 000 Hz	0.03 Hz	
		STM-1	0.19 ns	
		STM-4	0.07 ns	
		STM-16	0.02 ns	
		STM-1	0.23 dB	
		STM-4	0.23 dB	
		SMT-16	0.23 dB	
		STM-1	0.03 dB	
		STM-4	0.03 dB	
		SMT-16	0.03 dB	
		STM-1	0.12 dB	
		STM-4	0.12 dB	
		SMT-16	0.12 dB	
		STM-1	1.16 dB	
		STM-4	1.16 dB	
		SMT-16	1.16 dB	
STM-1	2.40 dB			
STM-4	2.40 dB			
SMT-16	2.40 dB			
과장 가변 레이저 광원  Wavelength Power	70427	1550 nm	0.35 pm	
		1550 nm	0.023 dB	

(704. 광통신 )

측정량/장비	분류번호	측정범위	최고측정능력	사용표준/측정방법 등
다중 레이저 파장계	70428			
Wavelength		1 310 nm	0.58 pm	
		1 532 nm	0.58 pm	
		1 550 nm	0.58 pm	
Level		Meter 1 310 nm	0.027 dB	
		Source 1 310 nm	0.027 dB	
		Meter 1 550 nm	0.033 dB	
		Source 1 550 nm	0.033 dB	
Return Loss		1 310 nm	0.6 dB	
		1 550 nm	0.9 dB	