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- 가.

[illegible]

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(1)

- (28) 40
- DB
-

(2) , 가

- (TV, FM) ,
- 가

(3)

-
-
-

5.

1) 40 DB

-

2) , FM, TV 가

- FM
- TV

3)

- 가
- , , , 가

4)

- 가

6.

- . 가
- ‘ ,
- 가
- .
- DB
-
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21

가 , 가 , ,
(Man Made Noise) 가
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가
가 가
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가 , .
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가 ,
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가 , 가
가,
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'94
(28) 40 DB
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40
, DB

12, ITU-R

가

24

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40

DB

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가

가

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가

가

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2

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1.

가. (TS9965)

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(1)

○ (Vertical Dipole Antenna) HE309

- : 20 1000 MHz

- : , 가

- 1GHz

- FM

○ (Log Periodic Antenna) HL025- AMP

- : 1 18 GHz

- : 8.5dB ,

(32dB)

- 1GHz

○ (Biconical Antenna) EO3109

- : 20 300MHz

- : , 가

- TV VHF

○ (Log Periodic Antenna) HL223

- : 200MHz 1,300MHz

- : 가

- TV UHF

○ (Active Rod Antenna) HFH2- Z6

- : 9kHz 30MHz

- : , 가

-

○

가

GP- IB(General Purpose Instruments

Bus, IEEE 488)

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가

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(2)

: ESMI Rohde & Schwarz

H/W S/W

(CISPR 16- 1)가

가

. 20Hz 40GHz - 150 +30

dBm

, EMI Test Receiver, Scalar

Network Analyzer

.

EMI Receiver

(Bandwidth)

.

(3)

: Pentium PC Controller ,

,

.

2.

가. DB

(1) (Frequency Domain) -

○ : 30MHz 10GHz

○ 30MHz 10GHz

○

30MHz 300MHz	50kHz	120kHz	2	EMI Receiver
300MHz 1GHz	100kHz	120kHz	2	
1GHz 10GHz	1MHz	120kHz	2	EMI Receiver

(2) (Time Domain)

○

: 30MHz 18GHz 5

10

- 35, 40, 50, 74, 110, 220 MHz
- 300, 350, 450, 485, 580 MHz
- 650, 740, 800, 850, 900 MHz
- 1000, 1500, 1800, 2100, 3000 MHz
- 5000, 8000, 10000, 15000, 18000 MHz

○

1GHz	5 seconds	120kHz	130	EMI Receiver
1GHz	5 seconds	1MHz	120	EMI Receiver

(1)

: 20

○ FM

- : 89.1, 91.9, 93.1, 93.9, 95.1, 95.9, 97.3, 99.9, 101.9, 102.7, 104.5, 105.3, 107.7 MHz

- : 87, 88.3, 90.1, 92.5, 94.5, 96.5, 99.3, 103.5, 106.9, 109 MHz

○ TV

- VHF : 83.25, 175.25, 187.25, 199.25, 211.25 MHz

- VHF : 50, 74, 170, 183, 195, 207, 220 MHz

- UHF : 513.25, 537.25, 549.25, 609.25, 633.25, 645.25 MHz

- UHF : 506, 520, 530, 543, 602, 617, 626, 639, 653 MHz

(2)

				RBW	Meas. Time	
FM			Average	120 kHz	20 ms	10 m
		"	Peak	"	"	"
TV			Average	1 MHz	"	"
		"	Peak	120 kHz	"	"

*(CISPR)

(CISPR 16-2)

.

○

- : 0.46, 1.03, 1.48 MHz

- V, UHF : 50, 74, 110, 220, 300, 450, 650, 850 MHz

- Microwave : 1.8, 3, 5, 10, 18 GHz

○ 15

○ 10

2

1.

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· ITU-R
258-5 (Business Area),
(Residential Area), (Rural Area) 3가 .

가. ITU-R

- (Business Area)
가 (,
 , 가, 가
)
- (Residential Area)
가 , 1ha
EH
- (Rural Area)
2ha

·

ITU-R ,
 ,
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 ,
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가 . ,

6 .

- : 가
- :
- : (5) (10)
- :
- . :
- :

2. 40 DB

가.

			37 ° 33' 11''	126 ° 58' 28''
			37 ° 33' 26''	126 ° 56' 19''
			37 ° 30' 50''	126 ° 06' 53''
			37 ° 28' 57''	126 ° 53' 05''
			37 ° 34' 49''	127 ° 05' 30''
	.		37 ° 33' 22''	126 ° 48' 20''
			37 ° 38' 33''	126 ° 56' 27''
			37 ° 26' 31''	127 ° 08' 45''
			37 ° 16' 02''	127 ° 00' 00''
			37 ° 18' 48''	126 ° 50' 23''
			37 ° 27' 28''	126 ° 42' 59''
			37 ° 28' 30''	126 ° 51' 59''
	.		37 ° 27' 15''	126 ° 37' 32''
			37 ° 30' 07''	126 ° 31' 22''

			37 ° 45' 50'' 37 ° 21' 23'' 37 ° 52' 56''	128 ° 54' 00'' 127 ° 56' 40'' 127 ° 43' 44''
			35 ° 52' 06'' 36 ° 01' 55'' 36 ° 33' 48''	128 ° 36' 04'' 129 ° 21' 40'' 128 ° 43' 39''
			35 ° 13' 27'' 36 ° 06' 28''	128 ° 41' 01'' 128 ° 22' 46''
	.		35 ° 10' 32''	128 ° 56' 46''
			35 ° 09' 37'' 34 ° 56' 34'' 35 ° 56' 15'' 35 ° 49' 52''	126 ° 54' 38'' 127 ° 30' 17'' 126 ° 57' 00'' 127 ° 08' 13''
	.		34 ° 47' 42''	126 ° 23' 30''
			36 ° 27' 12'' 36 ° 19' 19'' 36 ° 48' 12'' 36 ° 37' 59'' 36 ° 58' 25''	127 ° 07' 24'' 127 ° 25' 28'' 127 ° 09' 16'' 127 ° 29' 11'' 127 ° 56' 06''
			35 ° 09' 16'' 35 ° 05' 39''	129 ° 03' 41'' 129 ° 02' 13''
			35 ° 12' 17''	129 ° 04' 29''
			35 ° 08' 51''	128 ° 59' 10''
	.		35 ° 06' 33''	127 ° 02' 42''
			33 ° 14' 52'' 33 ° 30' 35''	126 ° 33' 43'' 126 ° 31' 29''

· ('98)

○ 20 (3)

: (8.5), (14), (19)

○ 20 50 (12)

: (23), (24), (26), (39), (22), (33),
(32), (34), (25), (27), (27), (34),

○ 50 100 (7)

: (56), (51), (60), (86), (92), (55),
(51)

○

: (1,032), (384), (134), (250), (134)
(250)

· ·

(MHz)			(MHz)
46.51	49.99	1 ()	3.5MHz
54.00	72.00	TV (2, 3, 4)	18MHz
76.00	88.00	TV (5, 6)	12MHz
88.00	108.00	FM (1 ~ 60)	20MHz
174.00	216.00	TV (7 ~ 13)	42MHz
371.50	381.50	TRS	10MHz
389.50	399.5125	TRS	10MHz
470.00	740.00	TV (14 ~ 58)	270MHz
740.00	752.00	TV (59 ~ 60)	12MHz

(MHz)			(MHz)
806.00	821.00	TRS()	15MHz
851.00	866.00	TRS()	15MHz
821.00	824.00	()	3MHz
866.00	869.00	()	3MHz
824.00	849.00	()	25MHz
869.00	894.00	()	25MHz
914.0125	914.9875	2 ()	0.975MHz
896.000	898.000	()	2MHz
936.000	938.000	()	2MHz
910.00	914.00	CT - 2	4MHz
952.0125	952.9875	2 ()	0.975MHz
1750.00	1780.00	PCS()	30MHz
1840.00	1870.00	PCS()	30MHz
1885.00	2025.00	FPLMTS	140MHz
2110.00	2200.00	FPLMTS	90MHz

3.

가. (12)

- 20 (2) : (19), (14)
- 20 50 (2) : (34), (33)
- 50 100 (2) : (60), (86)
- 100 200 (2) : (134), (134)
- 200 300 (2) : (250), (250)
- 300 (1) : (384)
- 500 (1) : (1,032)

.

(1)

○ : (10) 20

○ : 5

(2)

○

: 10 10 1 80

가 가

○ .

: 5 10 10 1 30

50 가 가

(3)

: 5 10 1 10

가 가 ()

(4)

: 10 ()

4.

가.

○ 1000 :

○ 100 1000 :

○ 50 100 :

○ 50 :

. (16)

○ : 0.46, 1.03, 1.48 MHz

○ VHF, UHF : 50, 74, 110, 220, 300, 450, 650, 850 MHz

○ Microwave : 1800, 3000, 5000, 10000, 18000 MHz

.

○ 0 24 15

○ 10

5. , 가

가. (9)

(1) (6)

: 5km, 10km

	5km	10km
()		가
()		

(2) (3)

: 15km

	15km
()	
()	

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○ Spectrum Analyzer (ESMI)

○ Controller (PSM7)

○

- (Vertical Dipole Antenna) HE309

: FM

- (Biconical Antenna) EO3109

: TV VHF

- (Log Periodic Antenna) HL223

: TV UHF

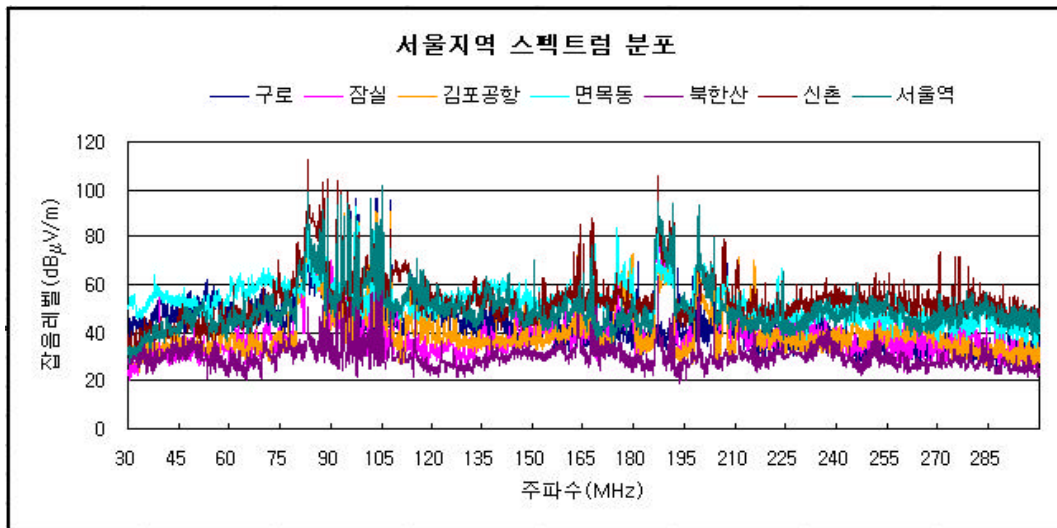
3

1.

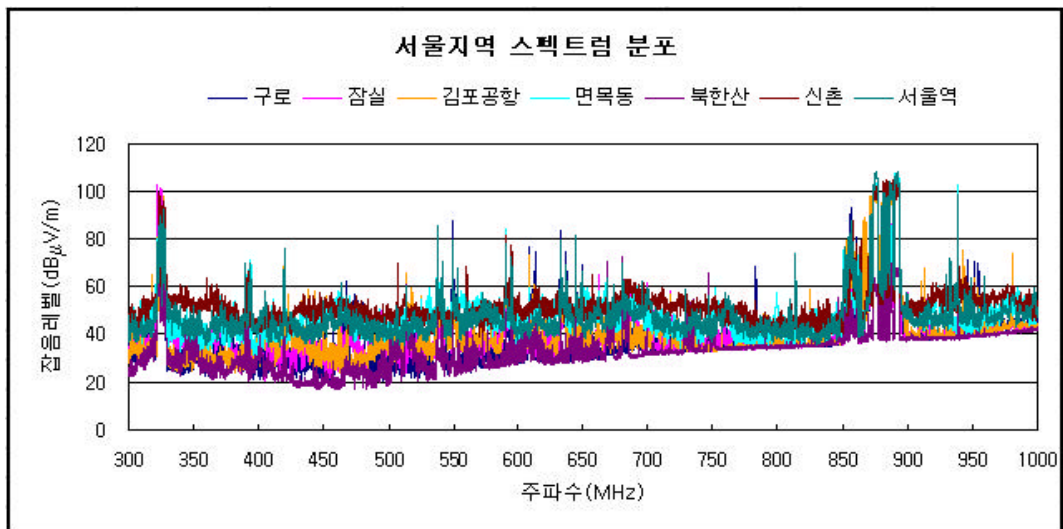
가.

(1)

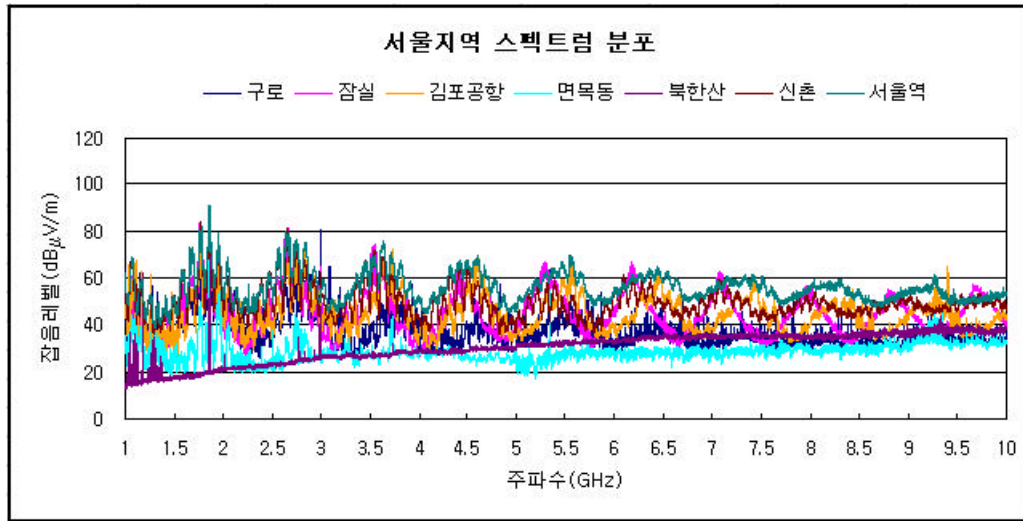
○ 30MHz 300MHz



○ 300MHz 1000MHz



○ 1GHz 10GHz

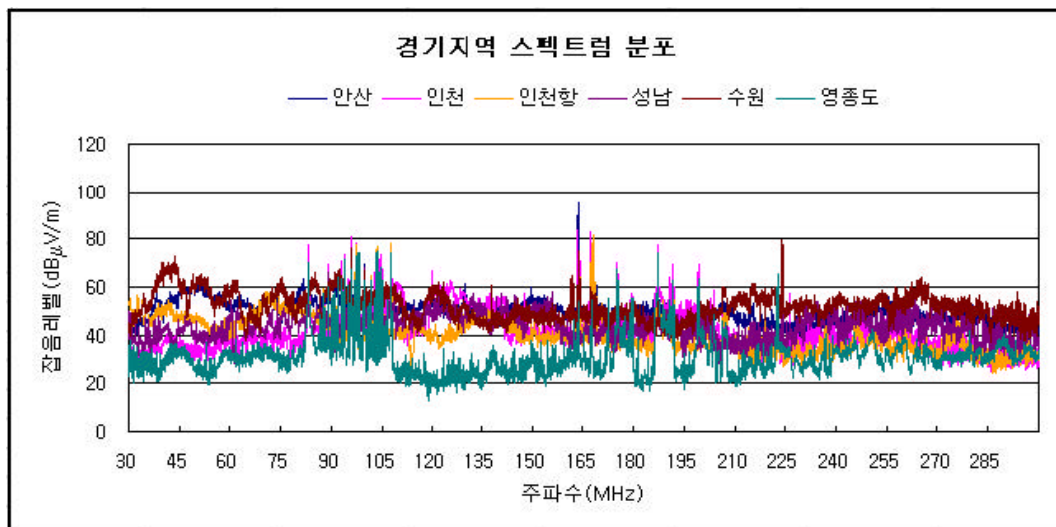


○ FM, TV, PCS

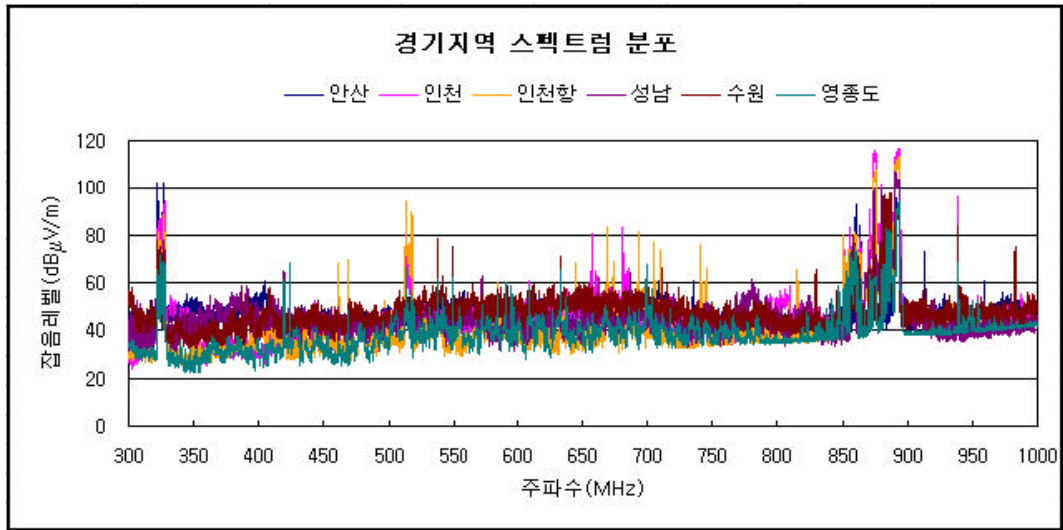
1GHz PCS
가

(2)

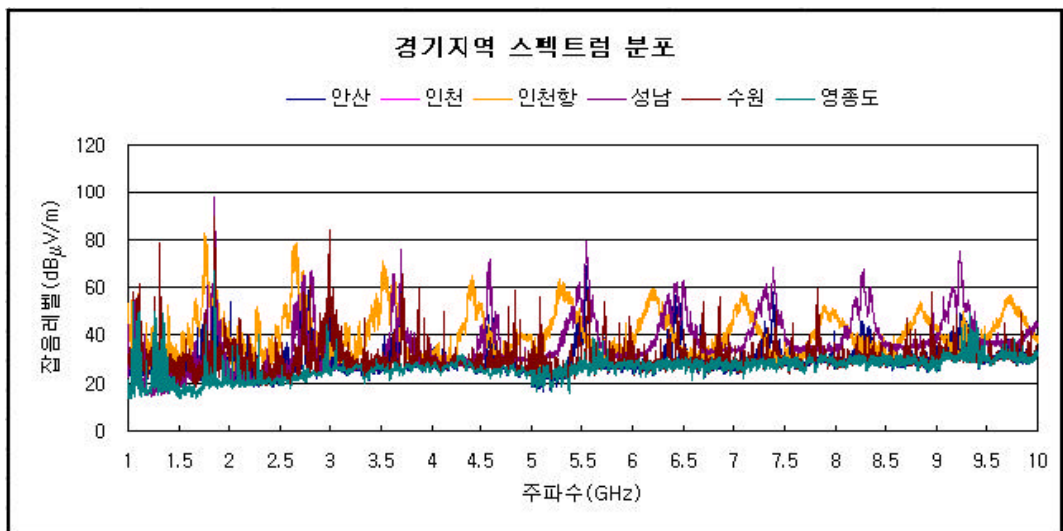
○ 30MHz 300MHz



○ 300MHz 1000MHz



○ 1GHz 10GHz



○ 가

10dB

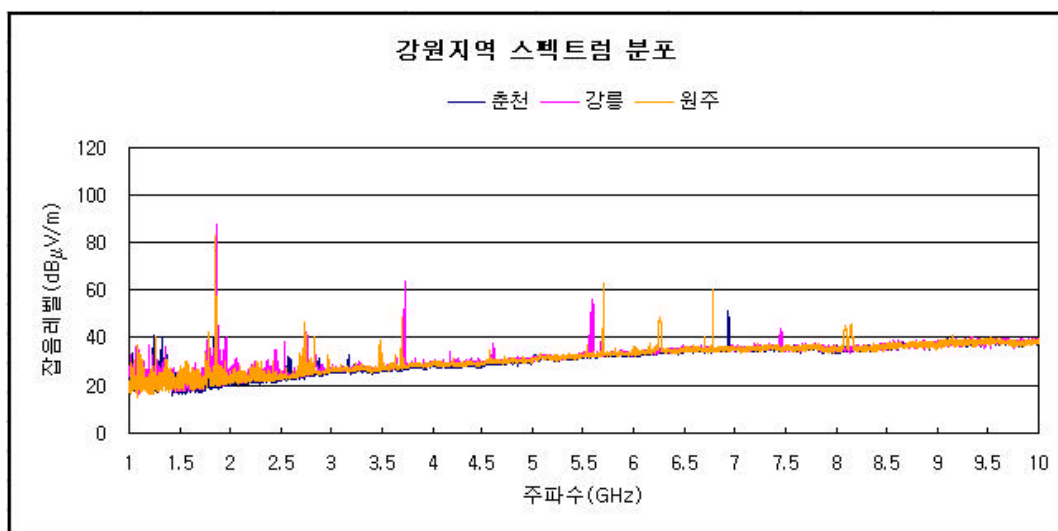
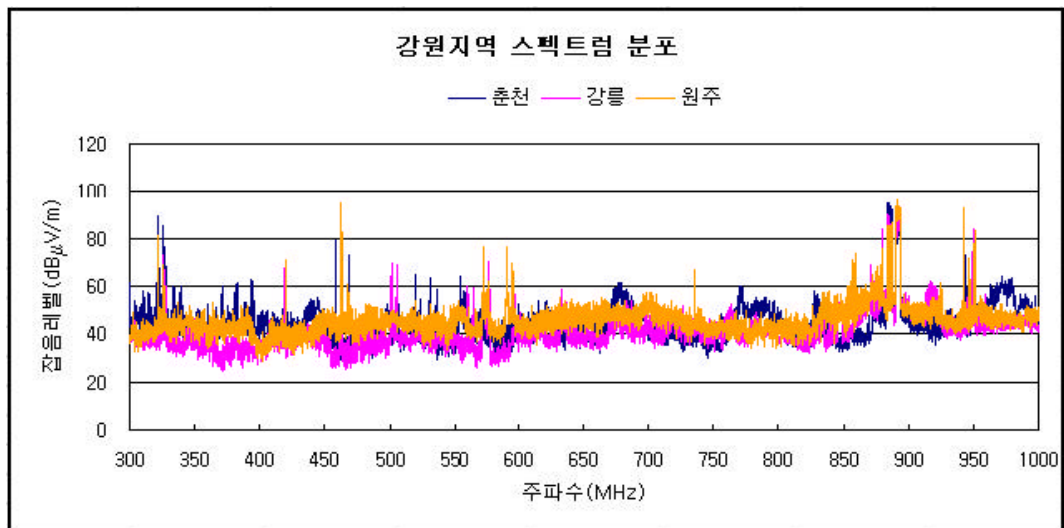
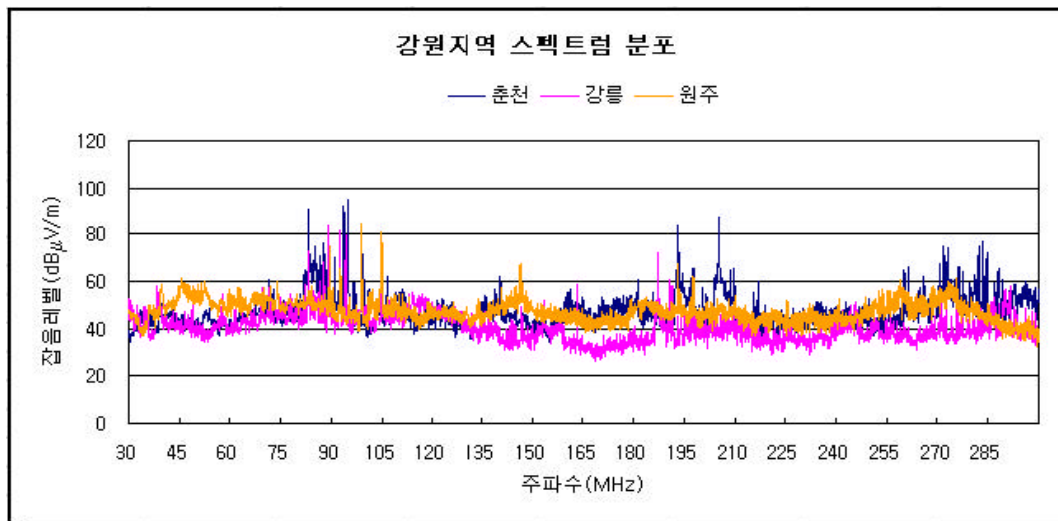
가

FM

가 1GHz

PCS 가

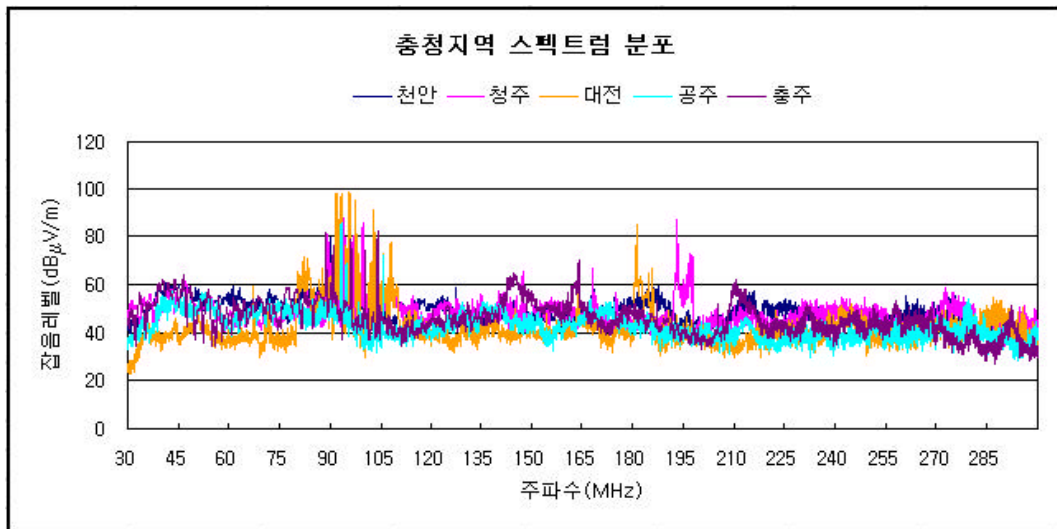
(3)



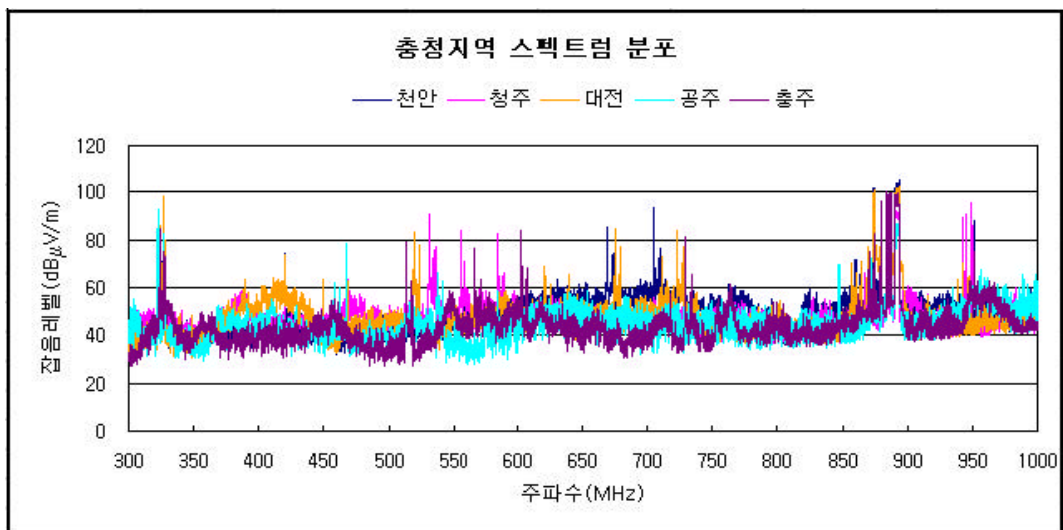
- 가 가 가
10dB 가
1GHz 가

(4)

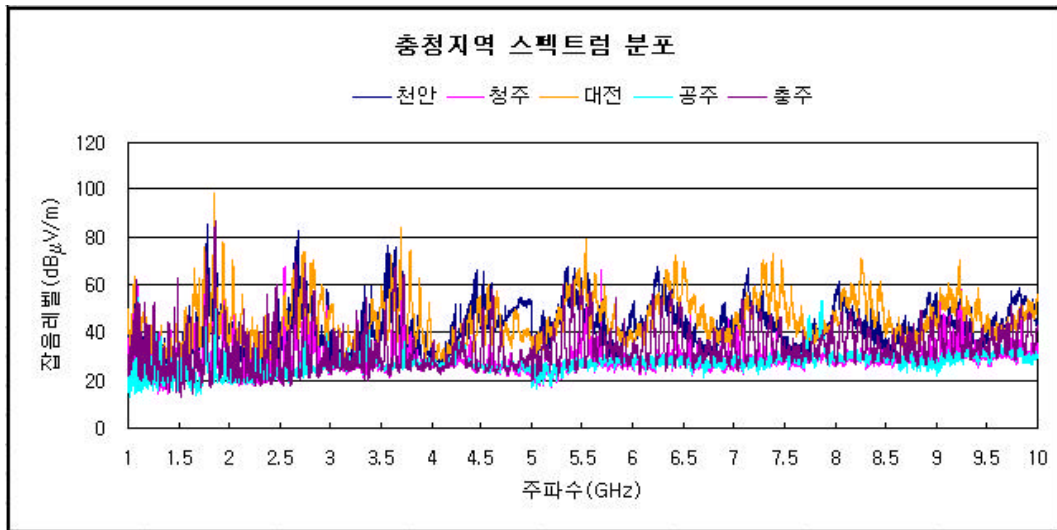
- 30MHz 300MHz



- 300MHz 1000MHz



○ 1GHz 10GHz



○

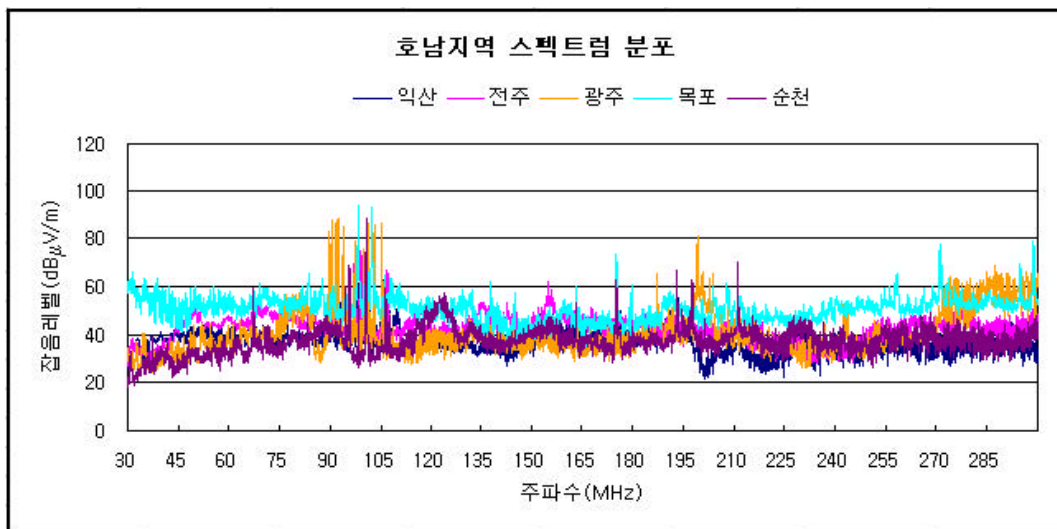
UHF

가

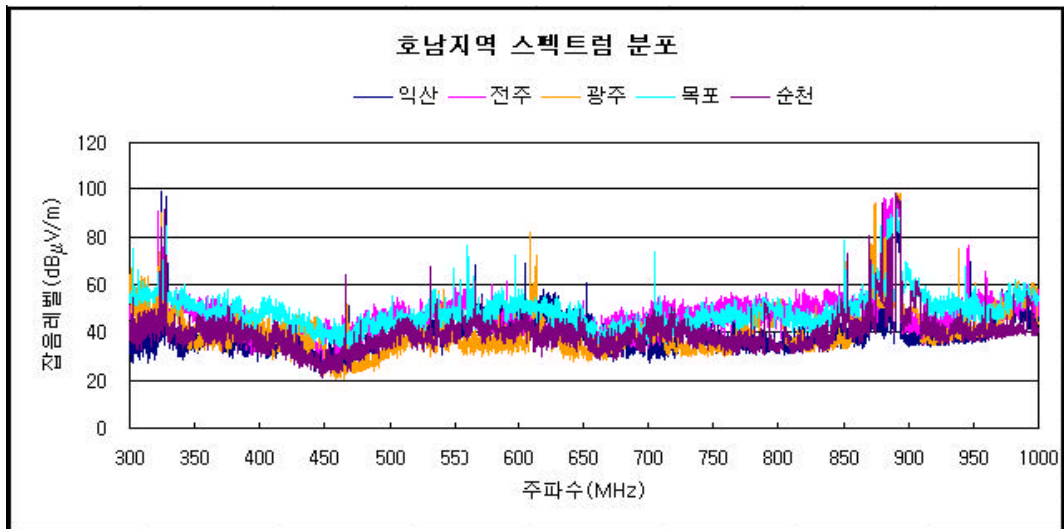
· , , PCS 가
· 300MHz 가
300MHz
5 10dB 가 .

(5)

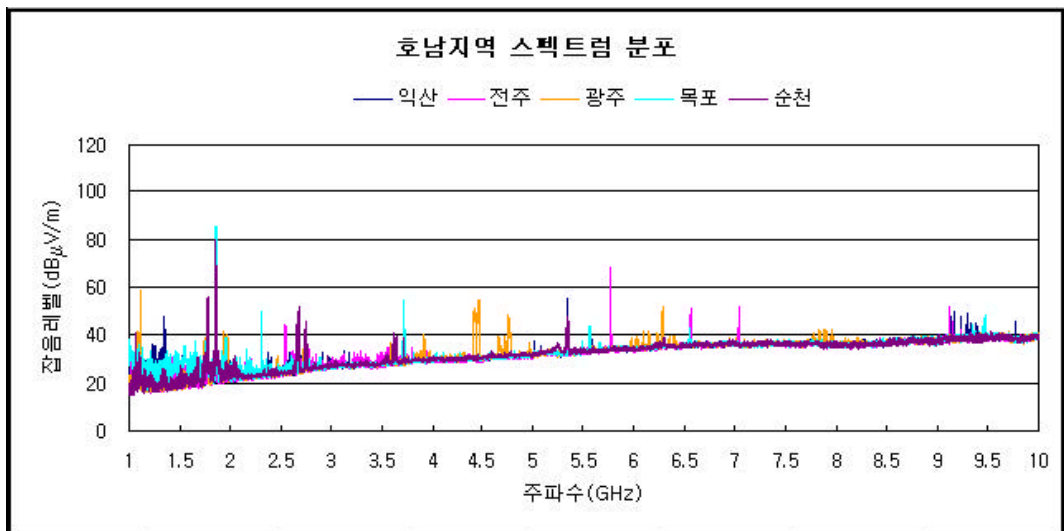
○ 30MHz 300MHz



○ 300MHz 1000MHz



○ 1GHz 10GHz



○ 가 가

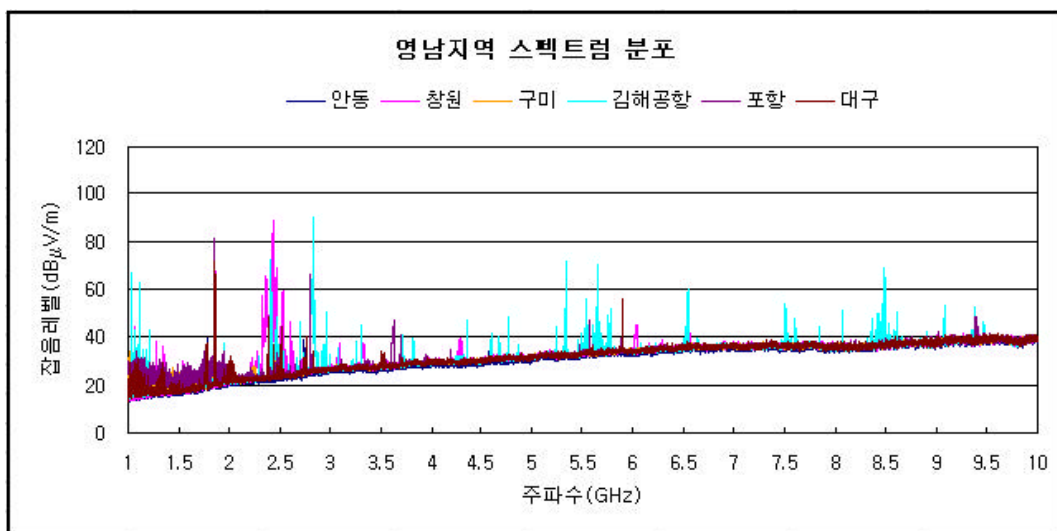
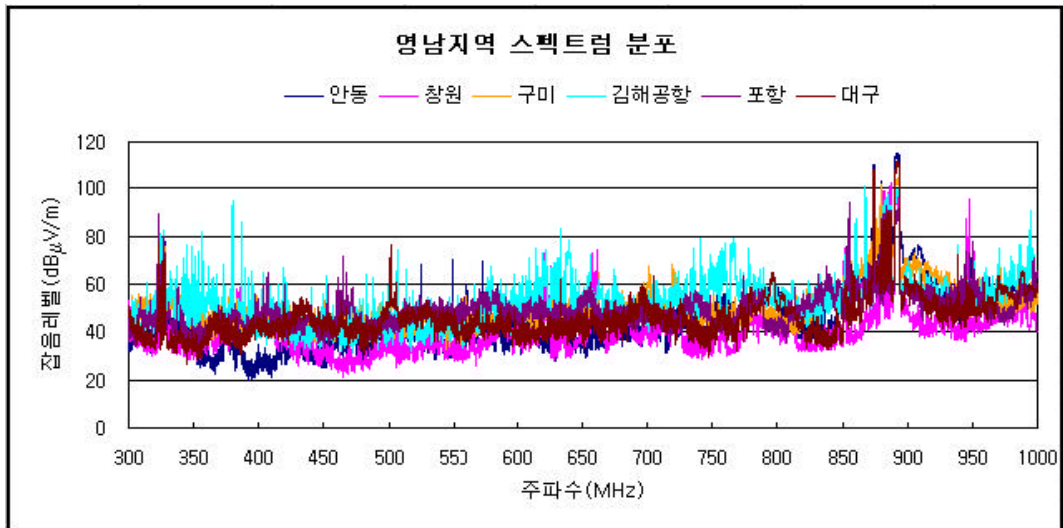
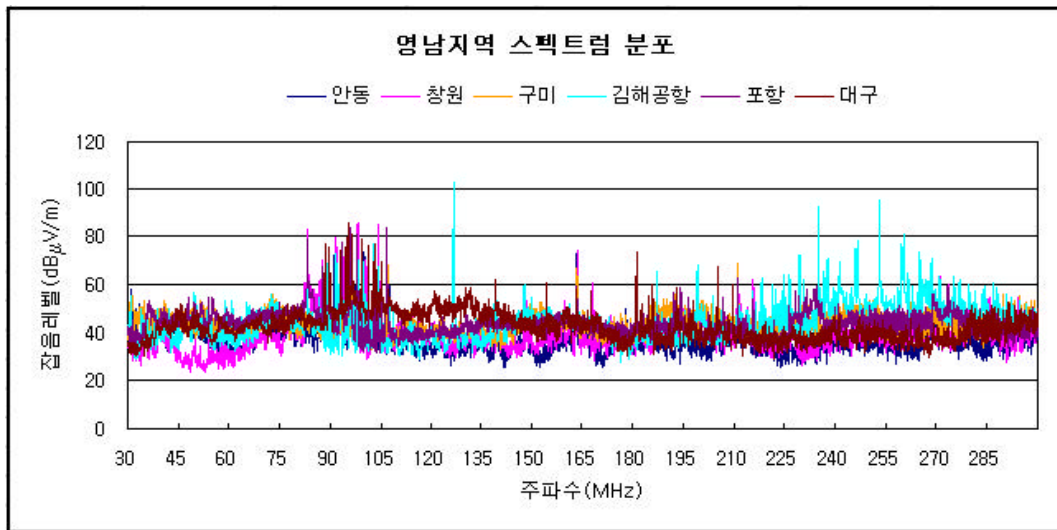
10dB 300MHz

가

가 300MHz

가 1GHz

(6)



○

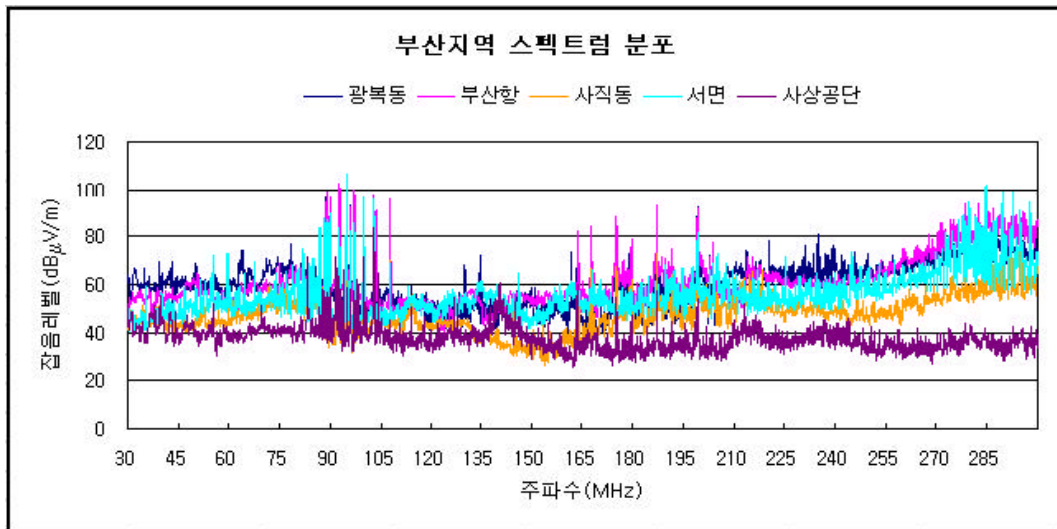
5 10dB 가

가

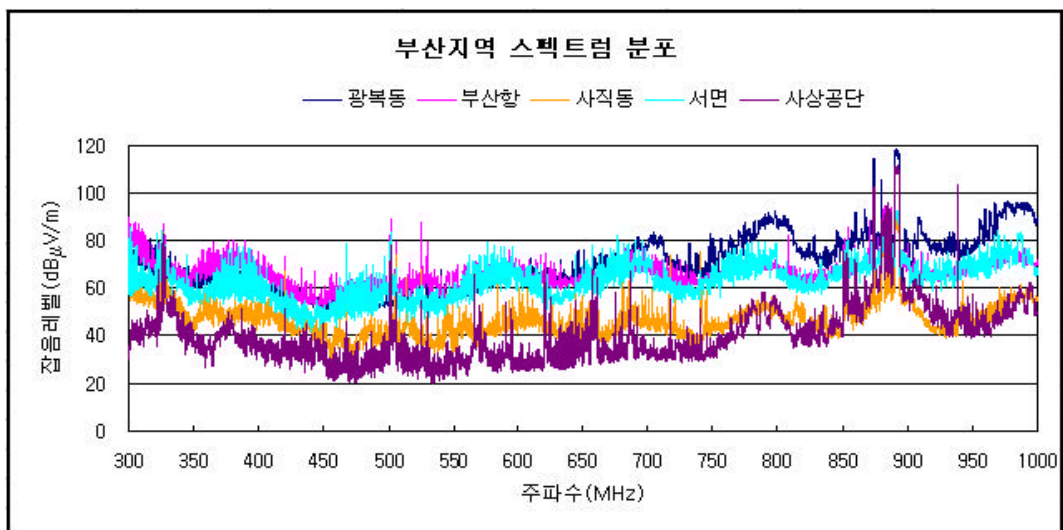
가

(7)

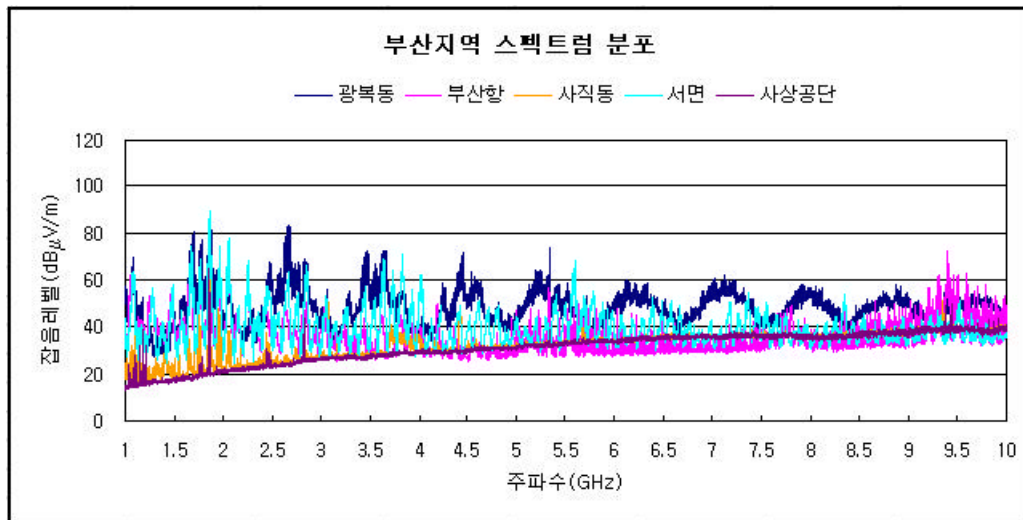
○ 30MHz 300MHz



○ 300MHz 1000MHz



○ 1GHz 10GHz



○

가

20dB 가

1GHz

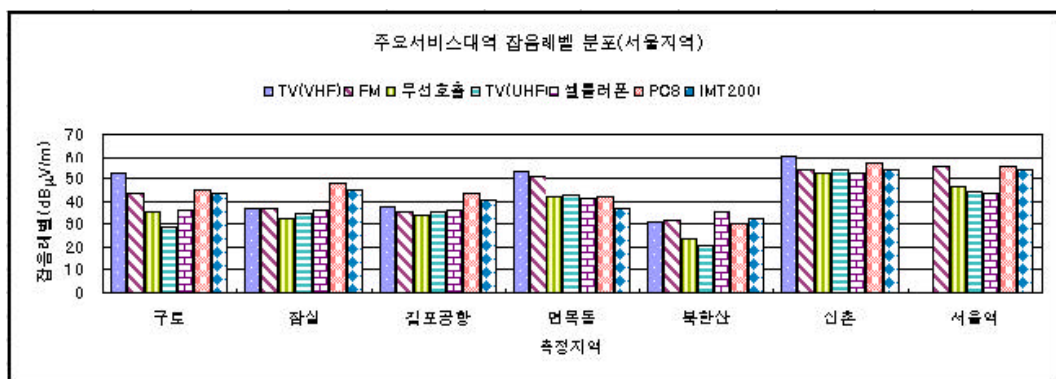
PCS

가

2.

가.

(1)



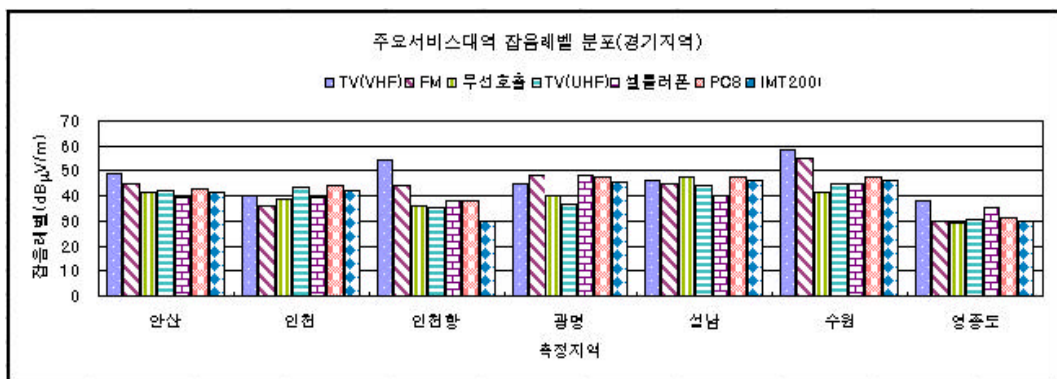
○

가 20dB

UHF

가

(2)



○

FM

VHF

TV

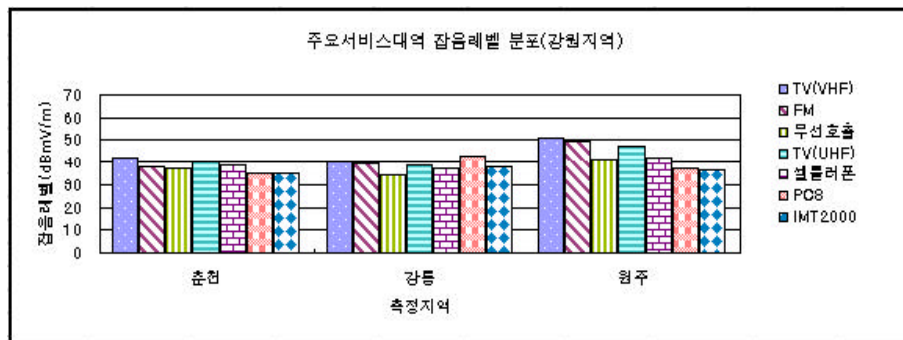
5dB 가

가 10dB

가

5dB 가

(3)



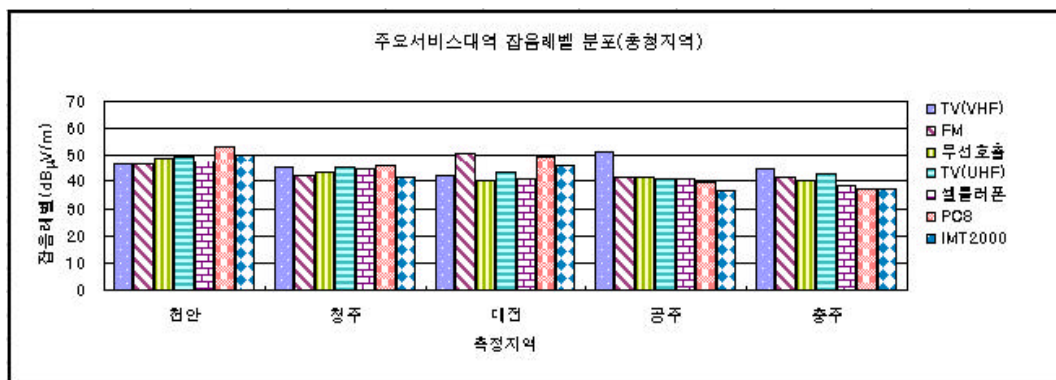
○

가

40dB μ V/m

5 10dB 가

(4)



○

가

3 5dB 가

FM

5 10

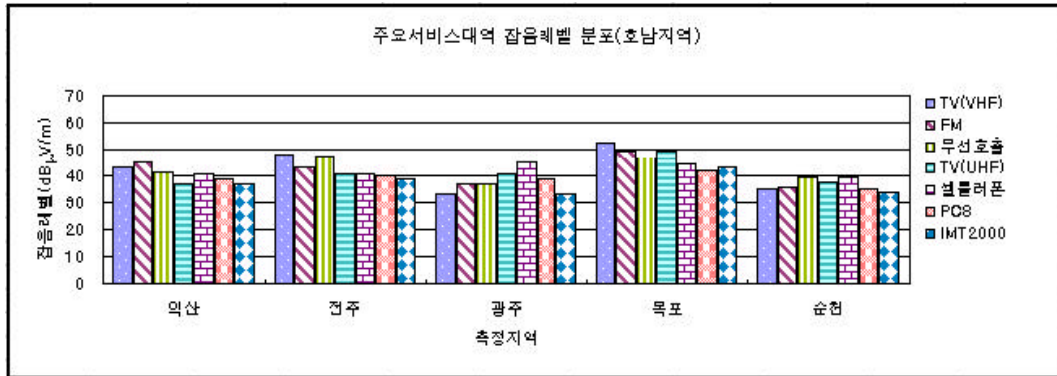
dB가

VHF TV

10dB가

가

(5)



○

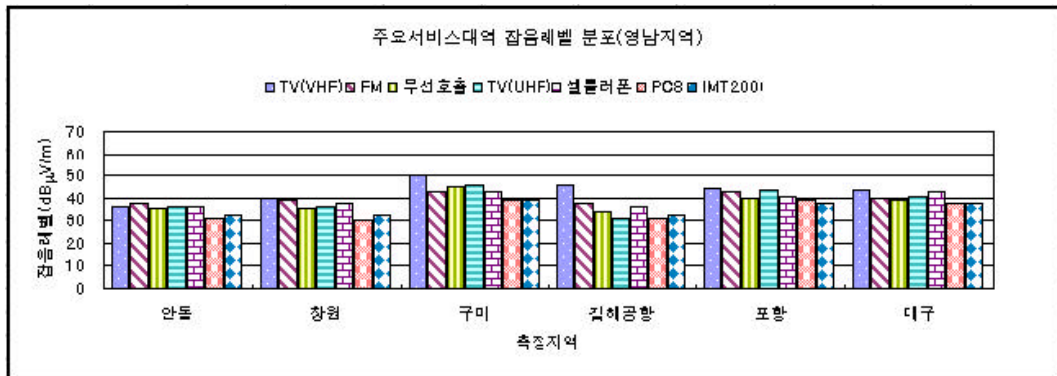
UHF

3 5dB 가

40dBμV/m

5 10dB

(6)



○

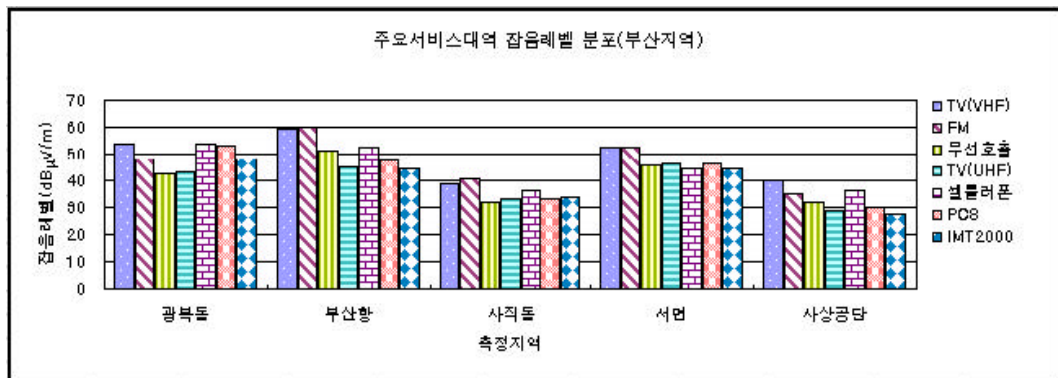
VHF TV

5 10dB 가

가

3dB 가

(7)



○ VHF TV , FM , UHF TV
5 10dB 가
10dB 가
가

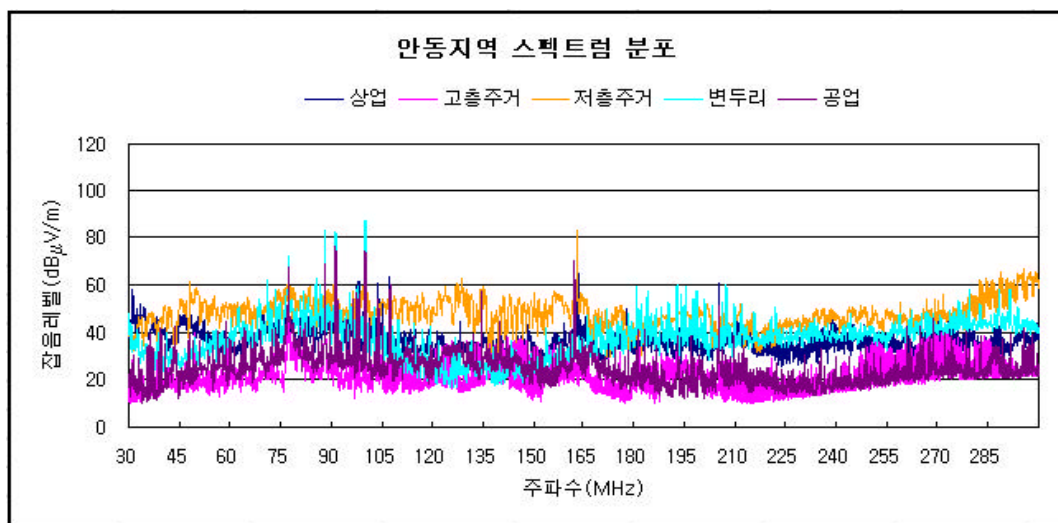
3.

가. 20

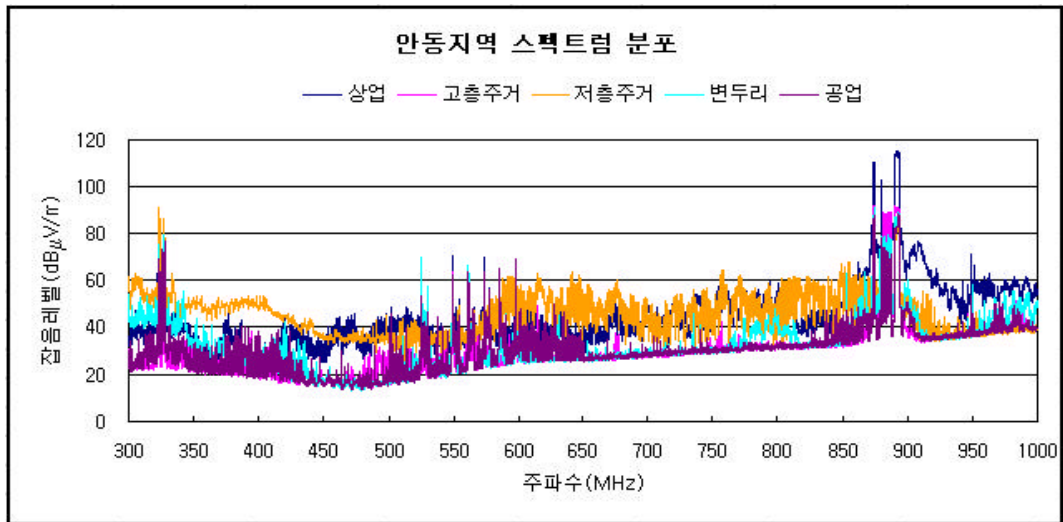
(1)

(가)

○ 30MHz 300MHz



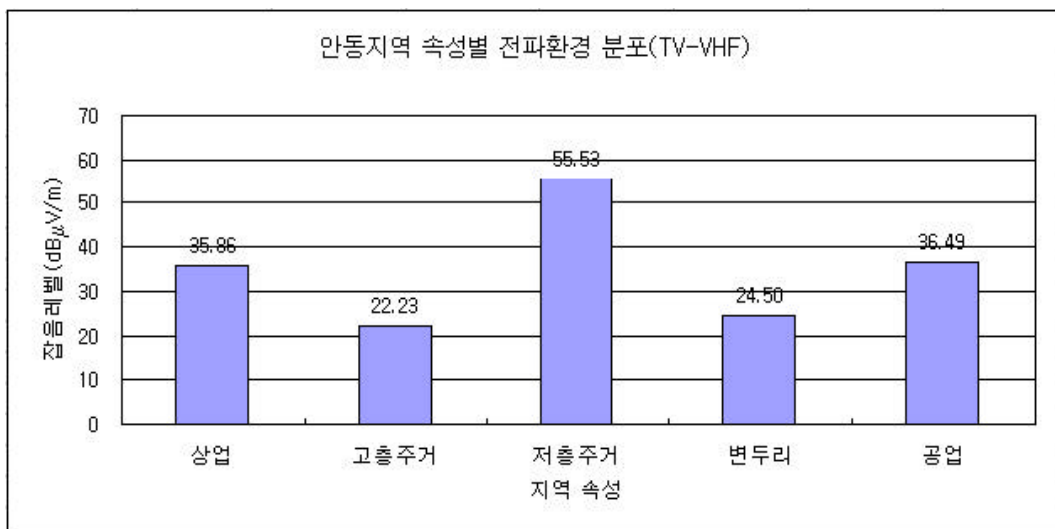
○ 300MHz 1000MHz



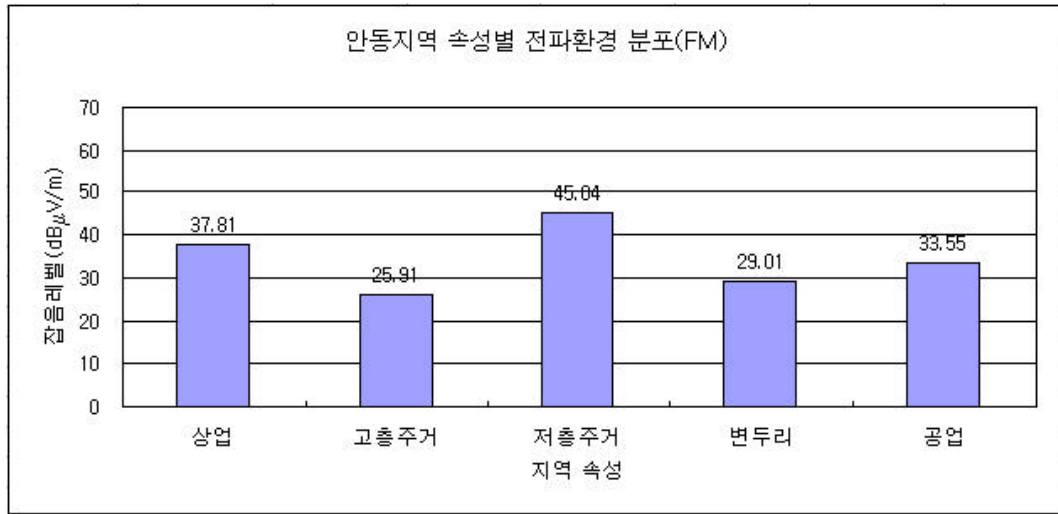
○ , 10dB
가

()

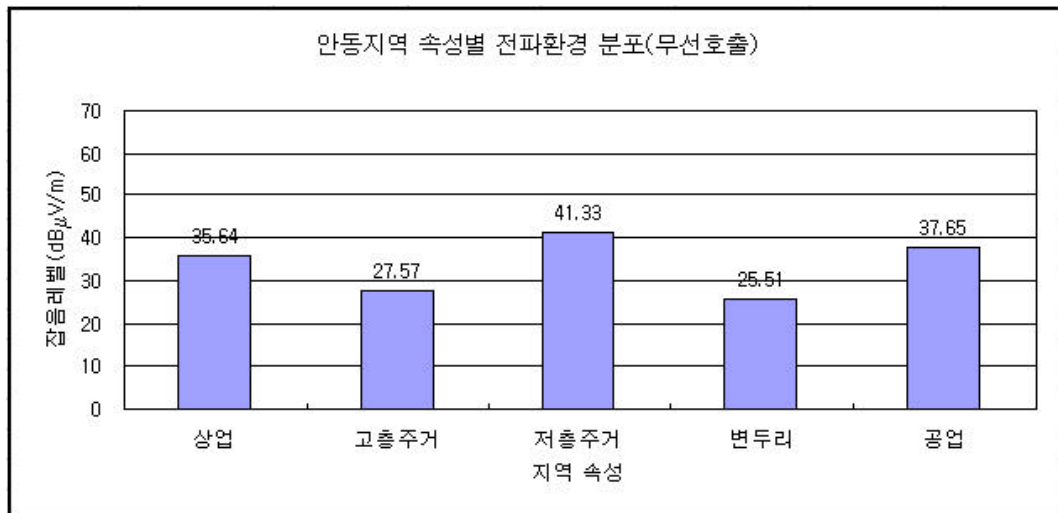
○ TV(VHF)



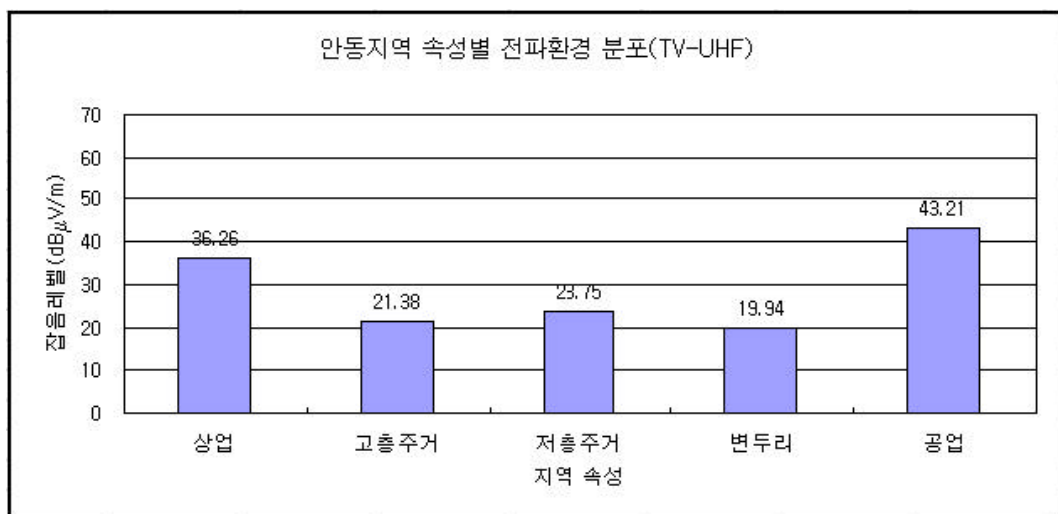
○ FM



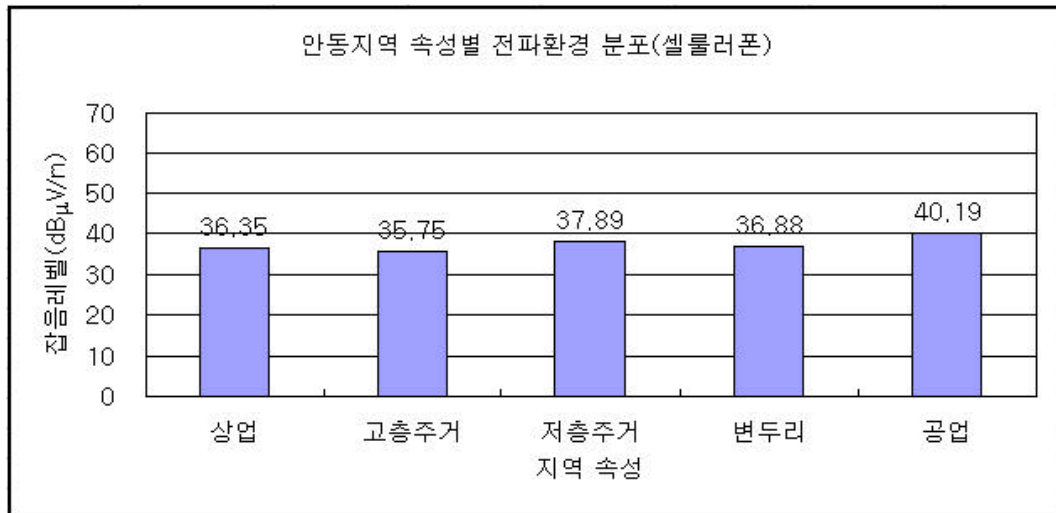
○



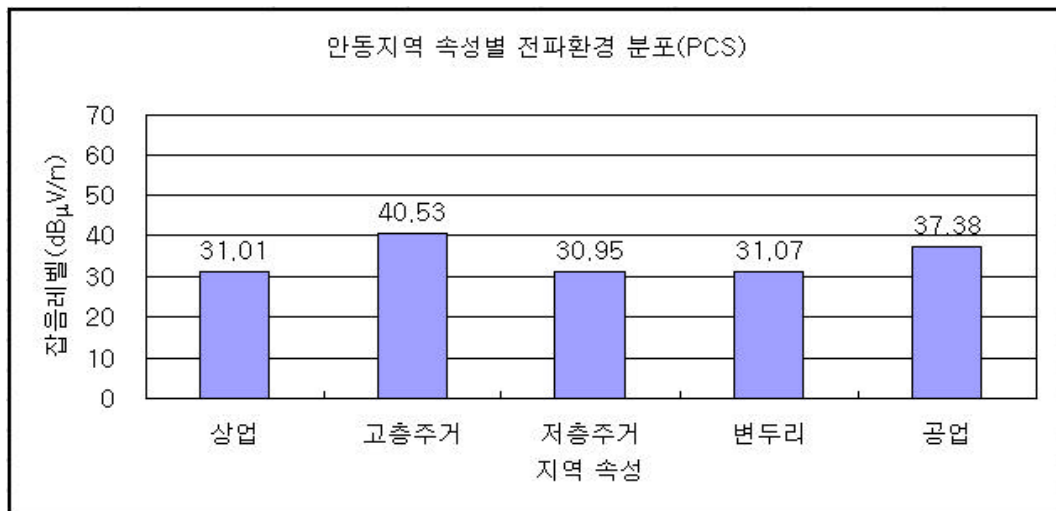
○ TV(UHF)



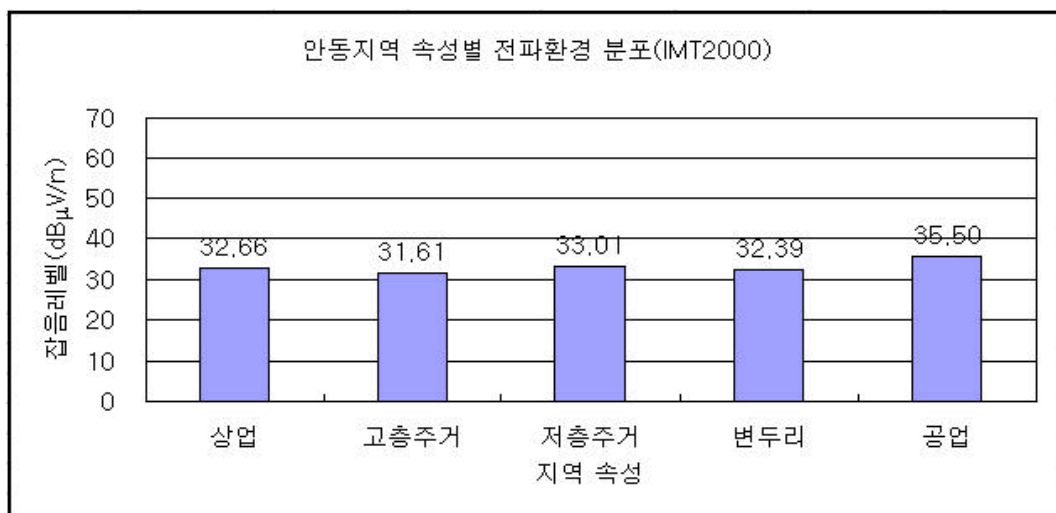
○



○ PCS



○ IMT 2000

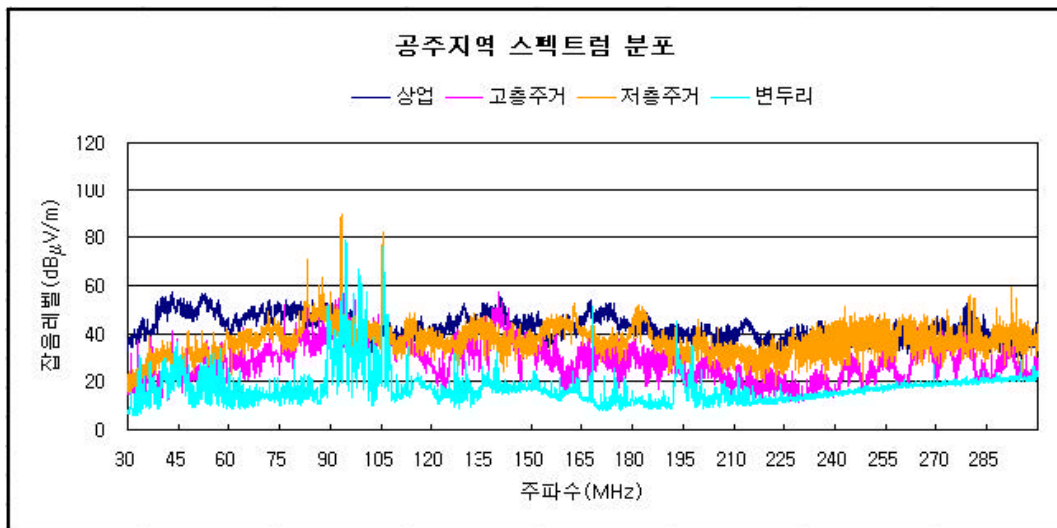


○ VHF, FM,
5 15dB 가 가 UHF

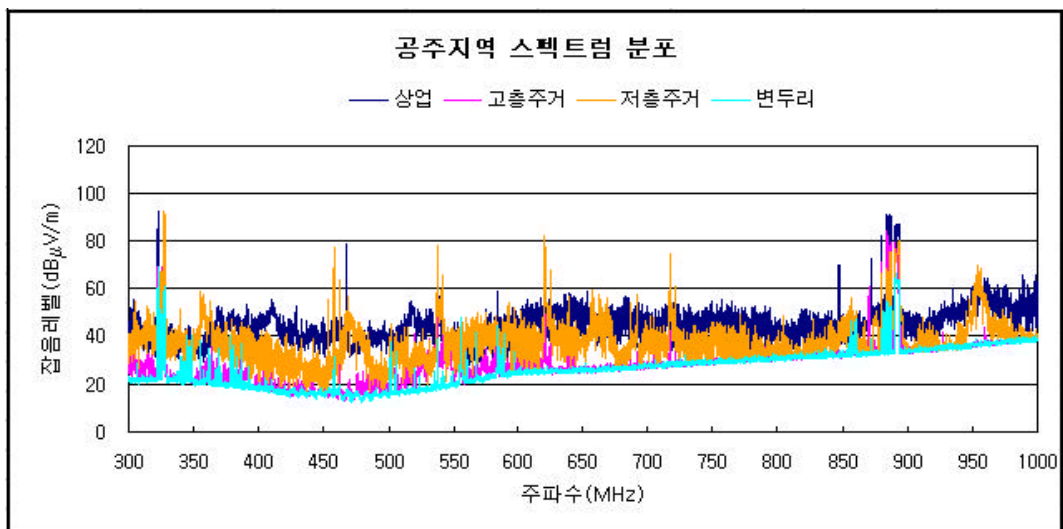
(2)

(가)

○ 30MHz 300MHz



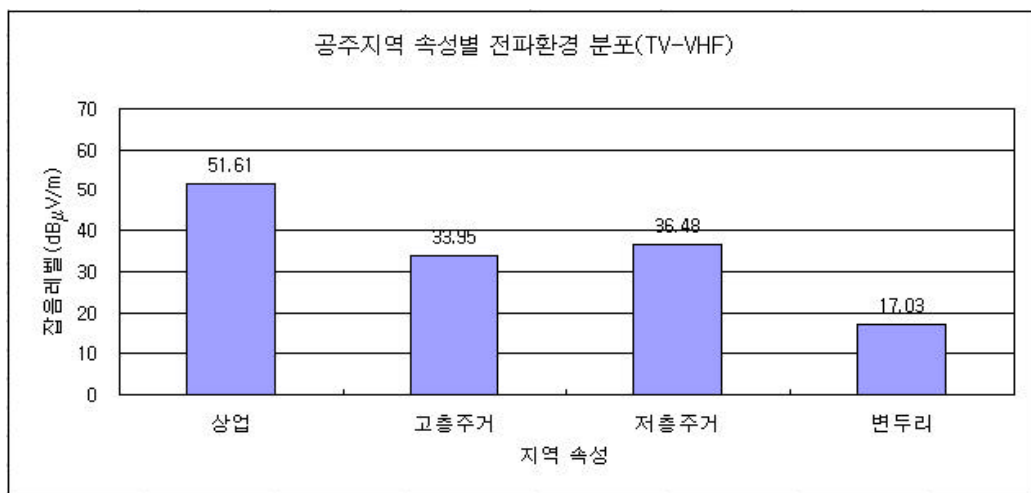
○ 300MHz 1000MHz



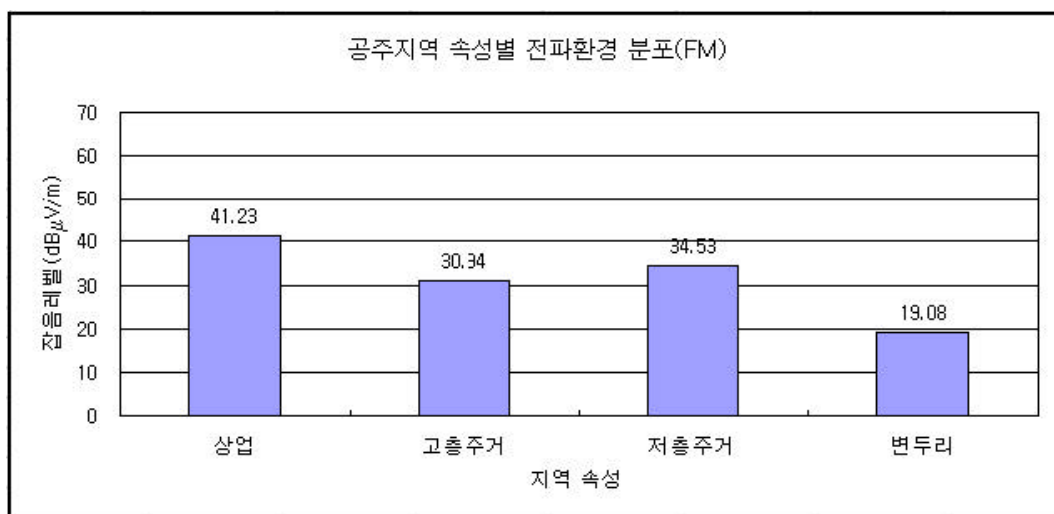
○ 가
5 10dB 가
5dB 가

()

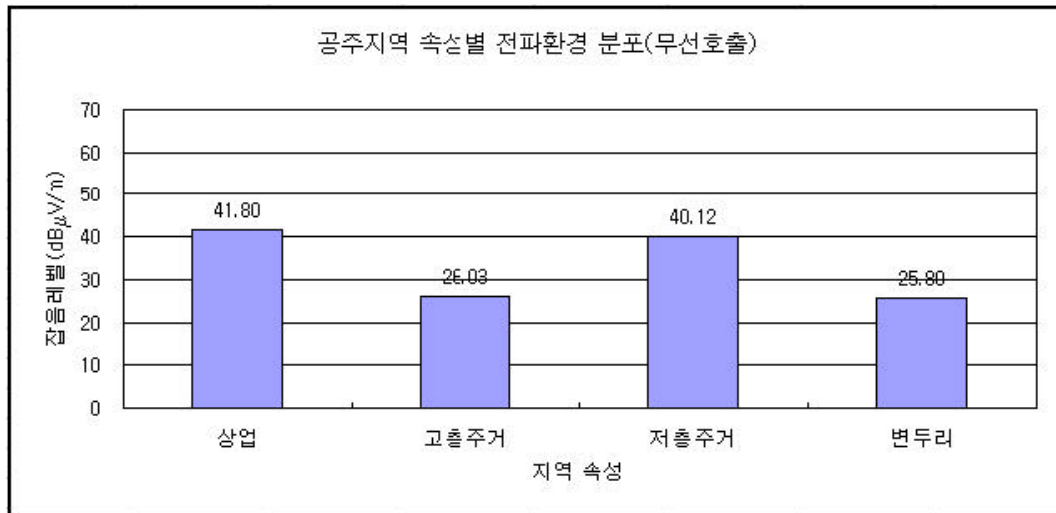
○ TV(VHF)



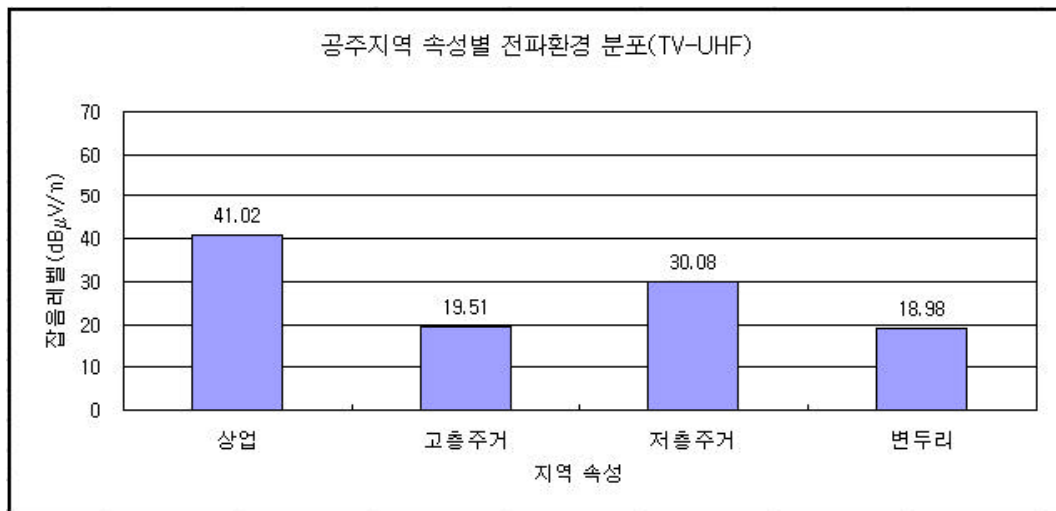
○ FM



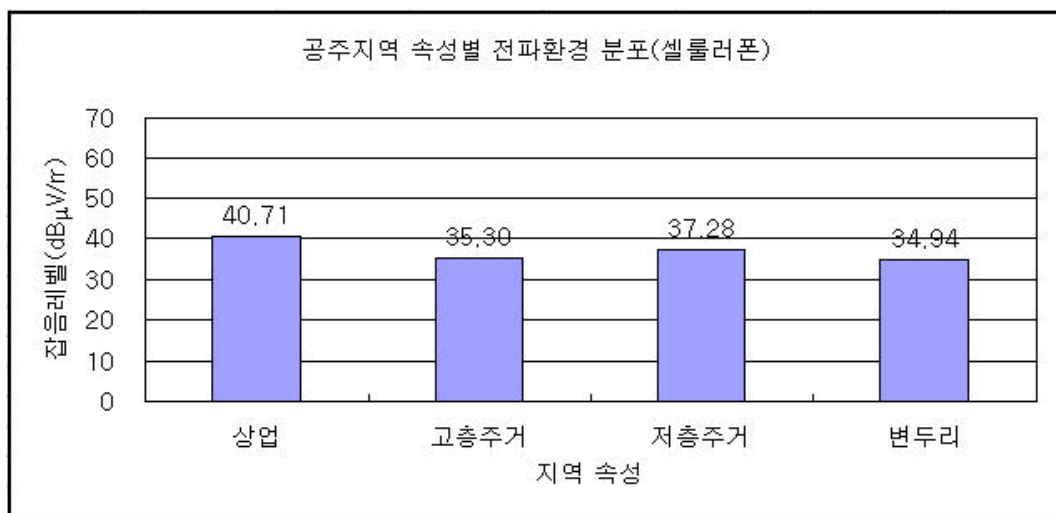
○



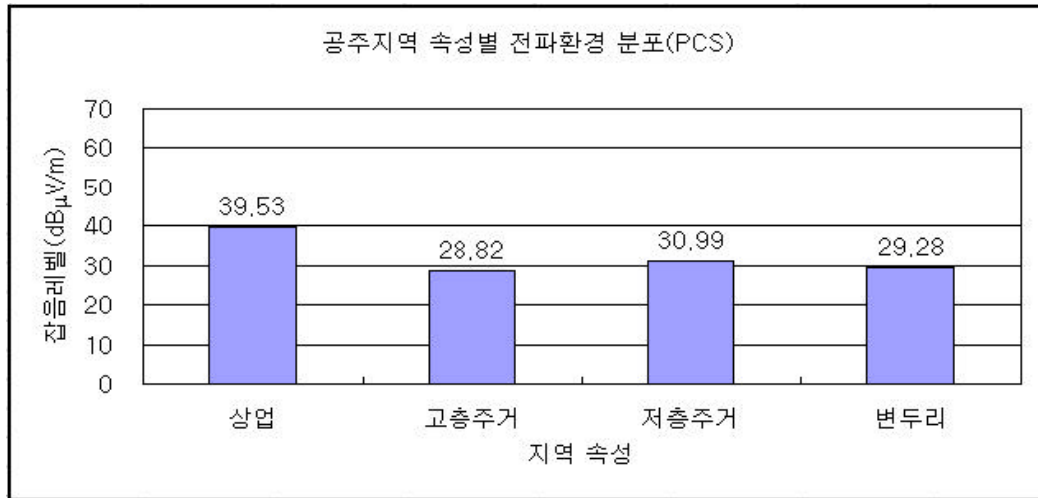
○ TV(UHF)



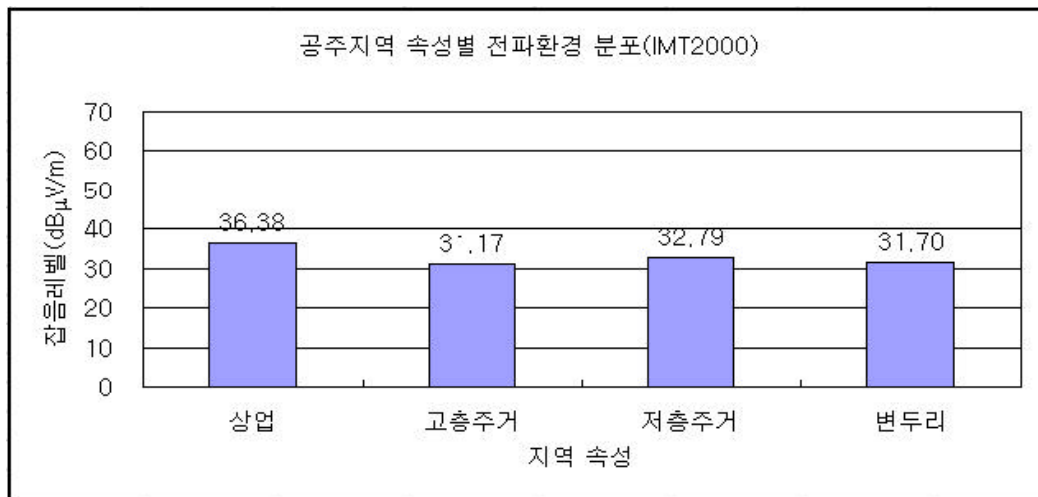
○



○ PCS



○ IMT 2000



○

가

가

가

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,

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,

5 10dB가

가

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(3)

가

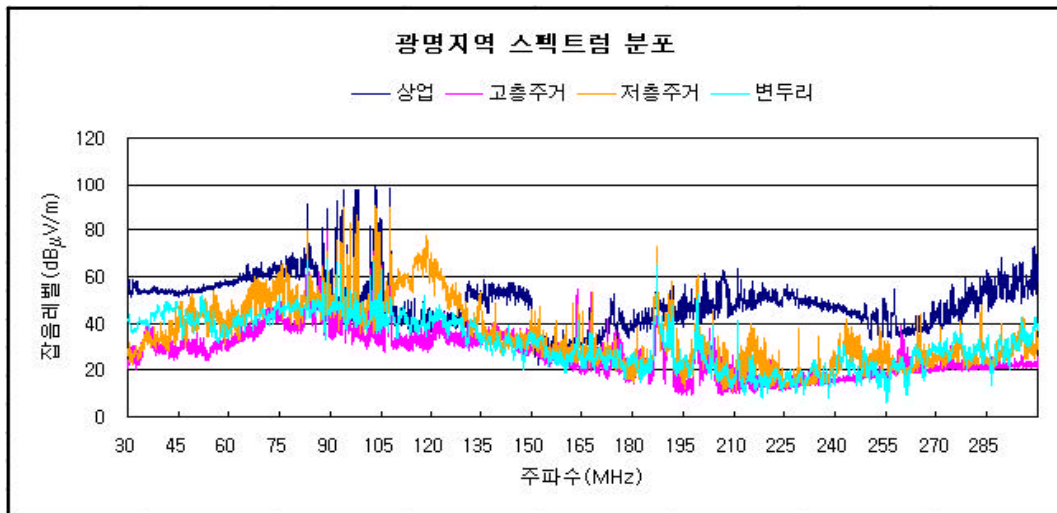
.

20 50

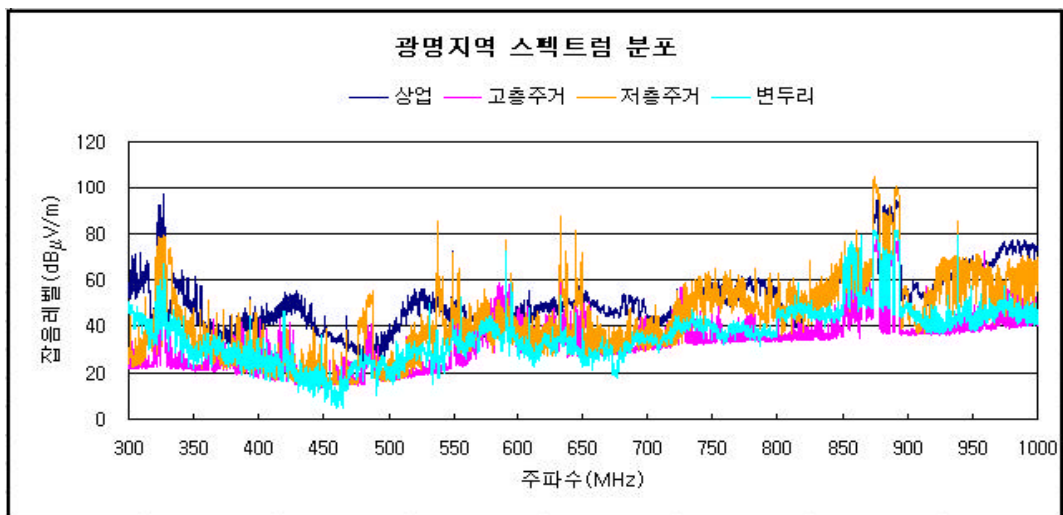
(1)

(가)

○ 30MHz 300MHz



○ 300MHz 1000MHz

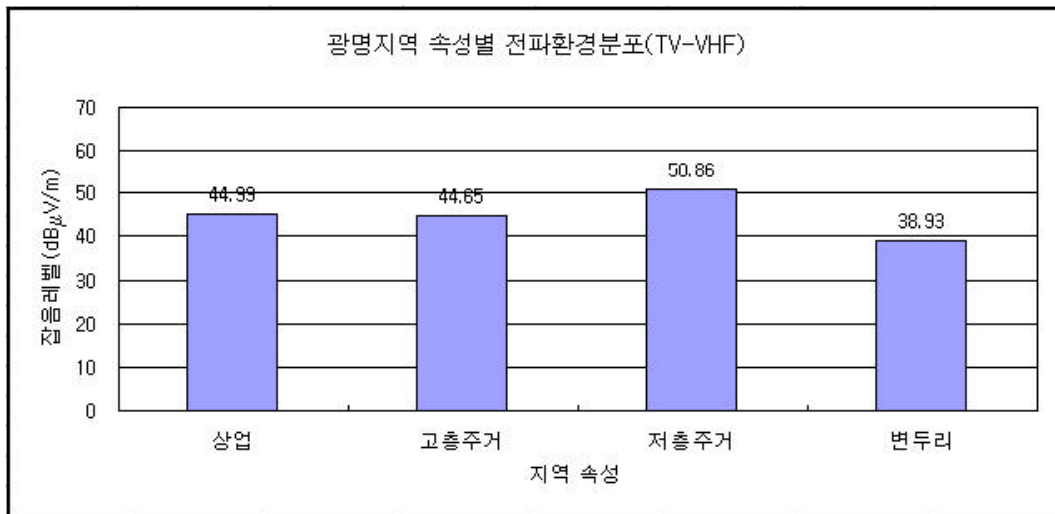


○ 10 20dB 가

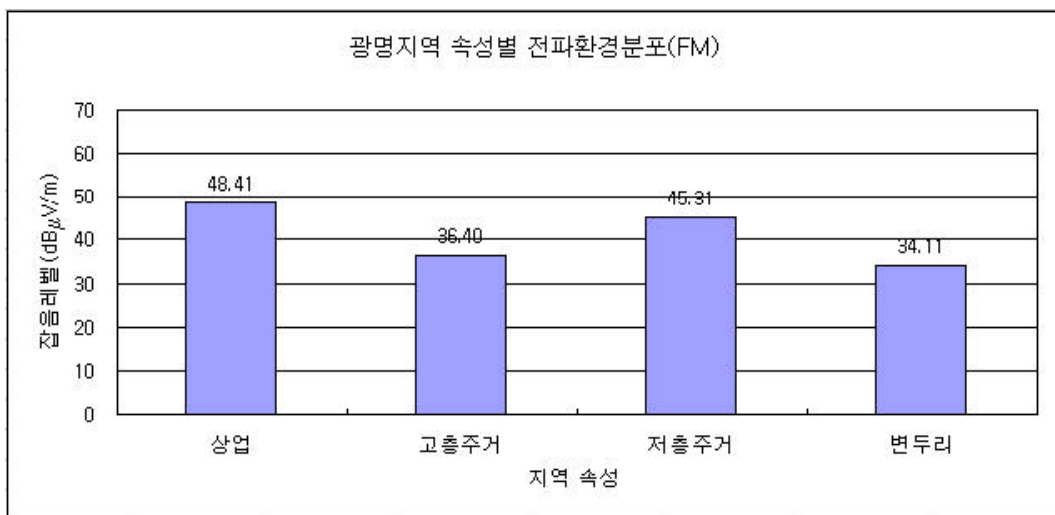
가

()

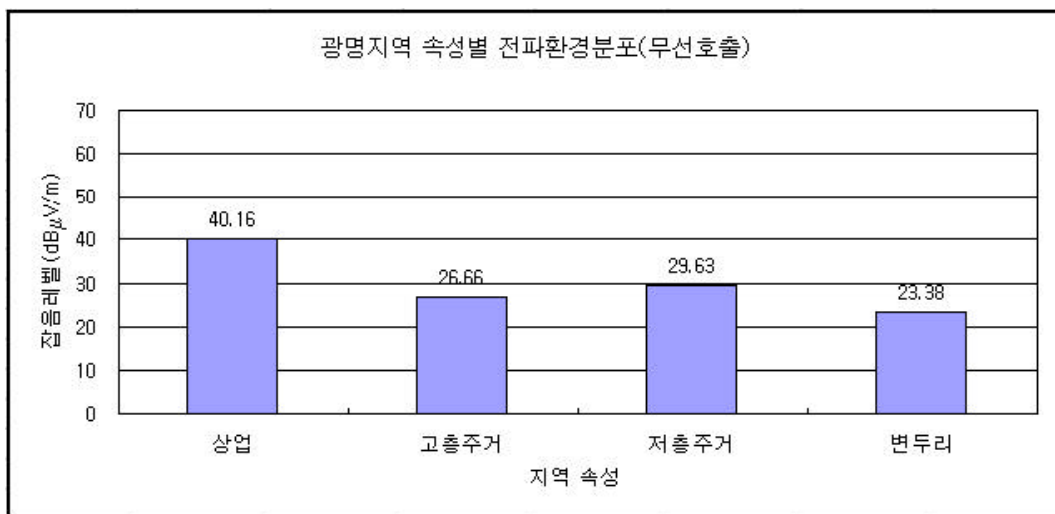
○ TV(VHF)



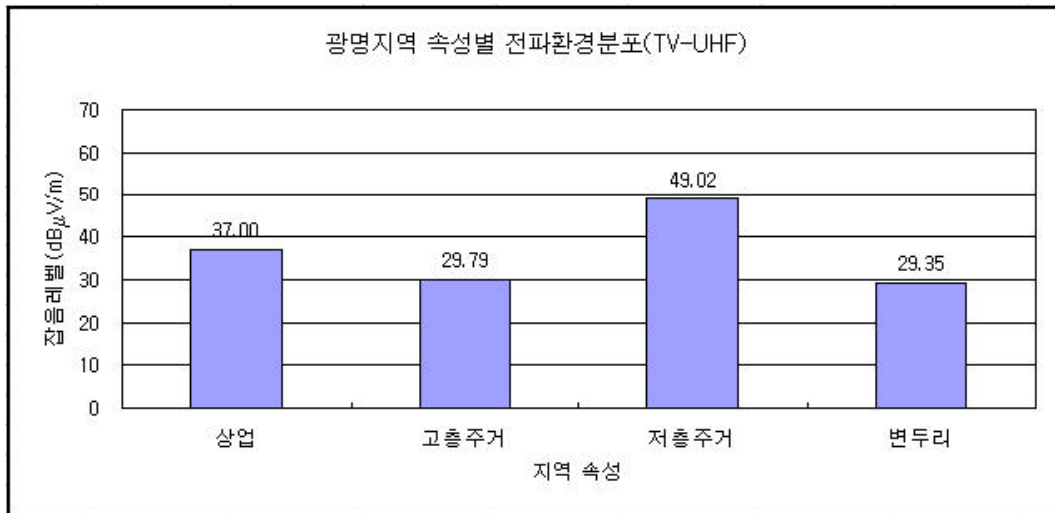
○ FM



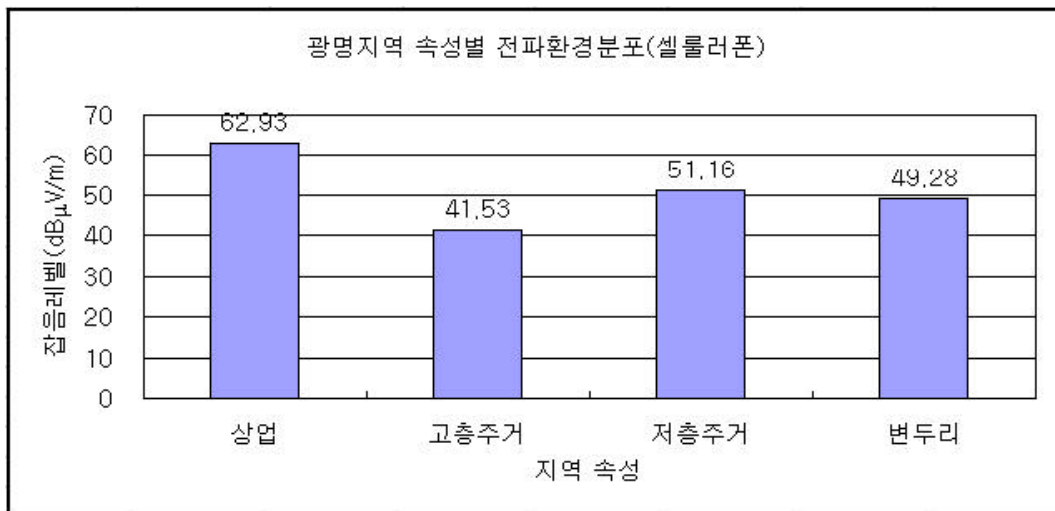
○



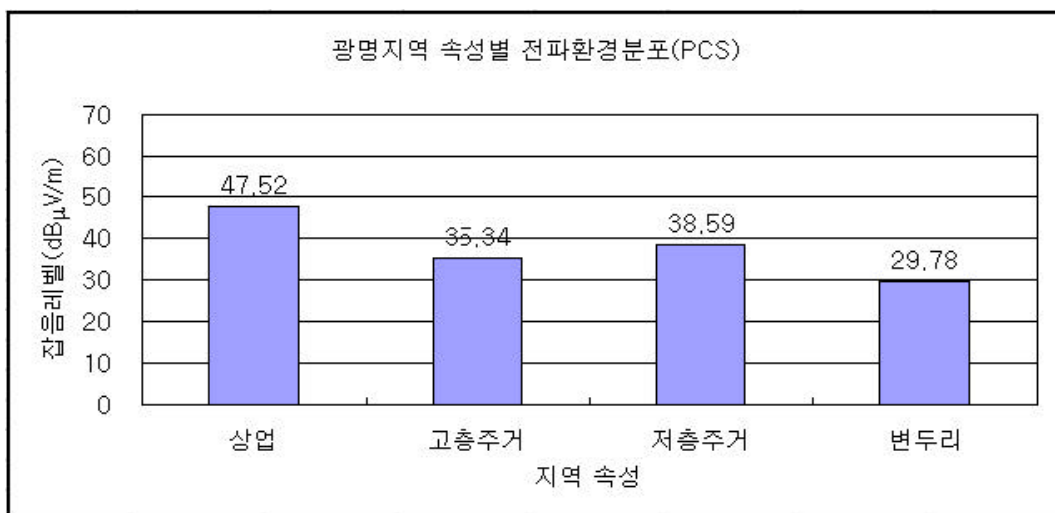
○ TV(UHF)



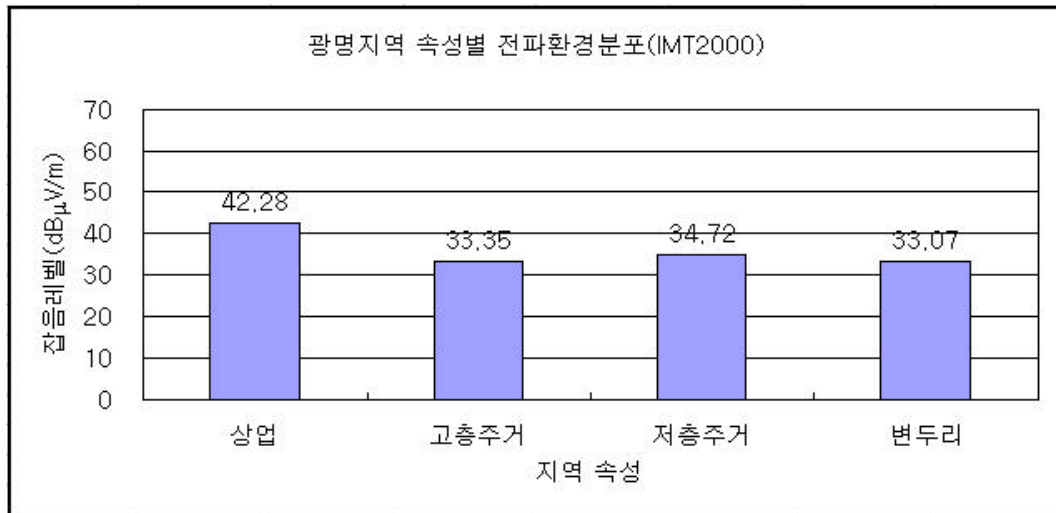
○



○ PCS



○ IMT 2000



○

5 15dB 가
가 . VHF

TV

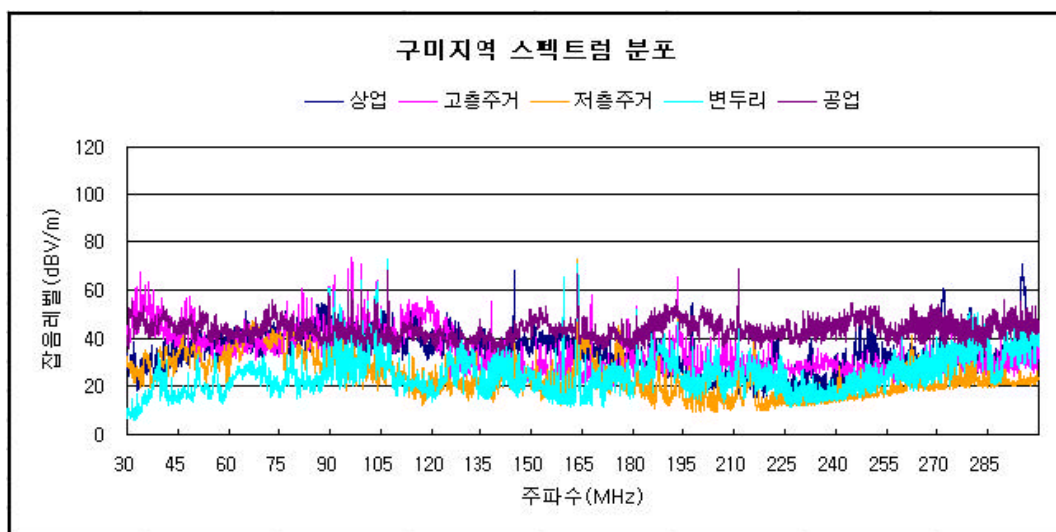
UHF TV

15dB

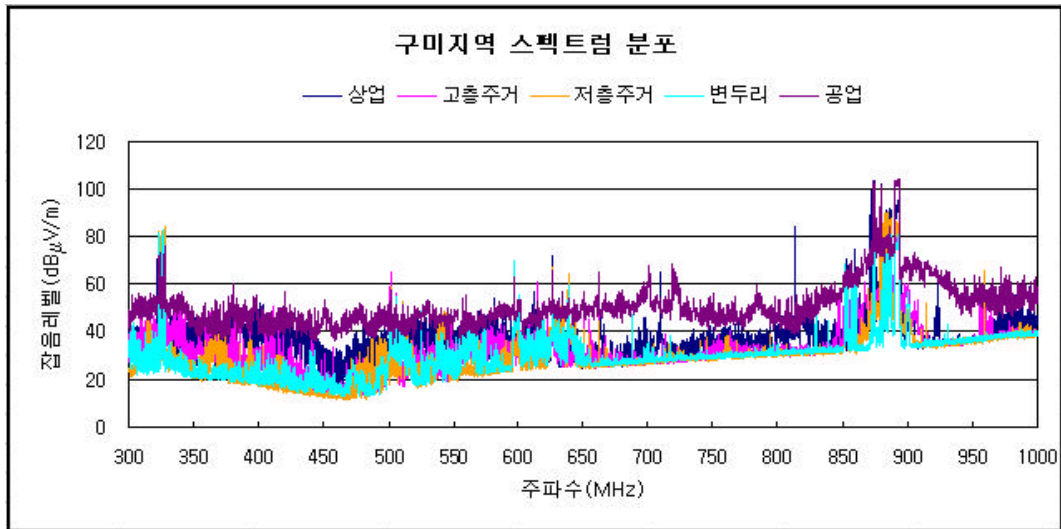
(2)

(가)

○ 30MHz 300MHz



○ 300MHz 1000MHz



○

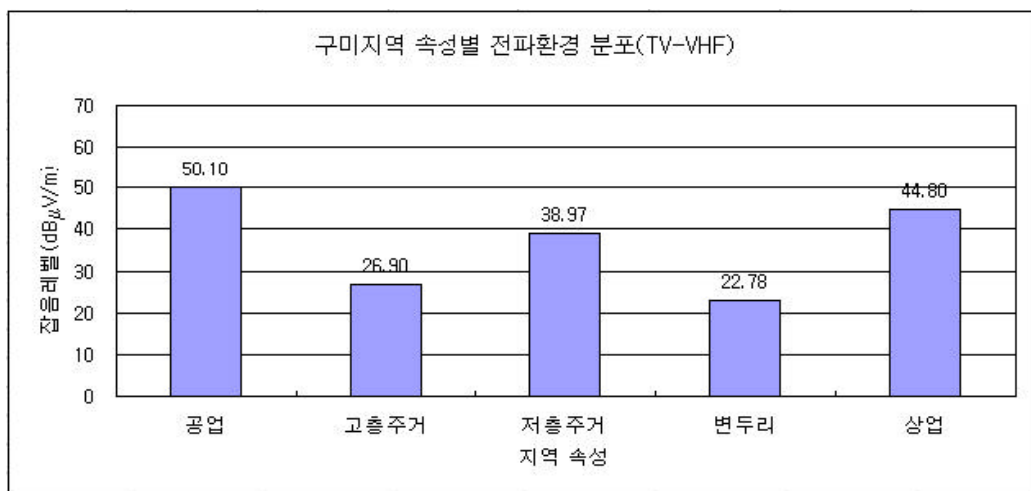
10dB 가

300MHz

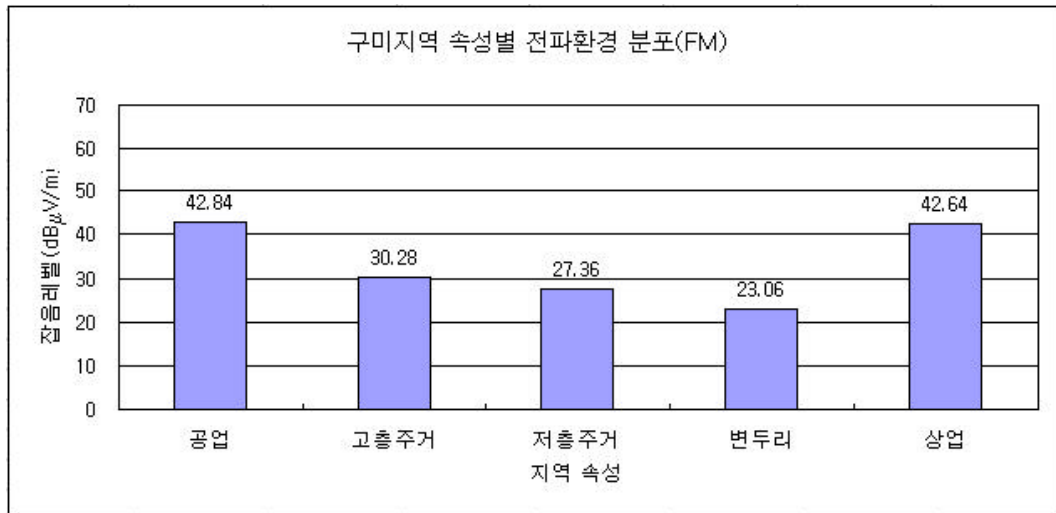
5 10dB 가

()

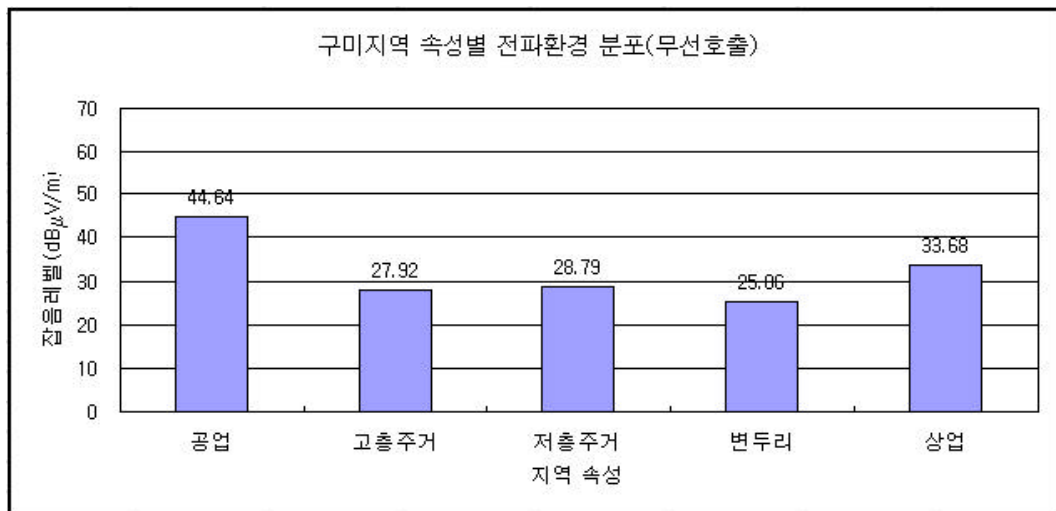
○ TV(VHF)



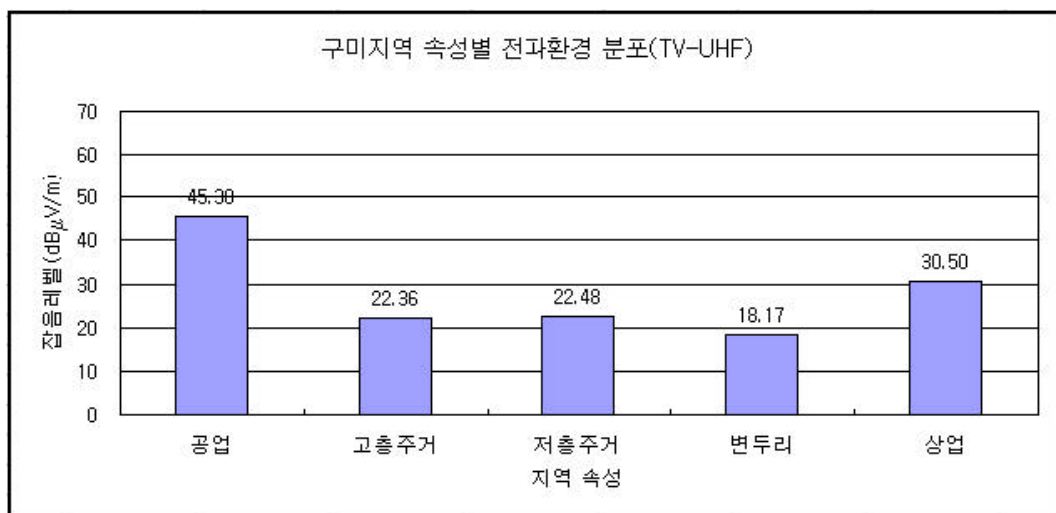
○ FM



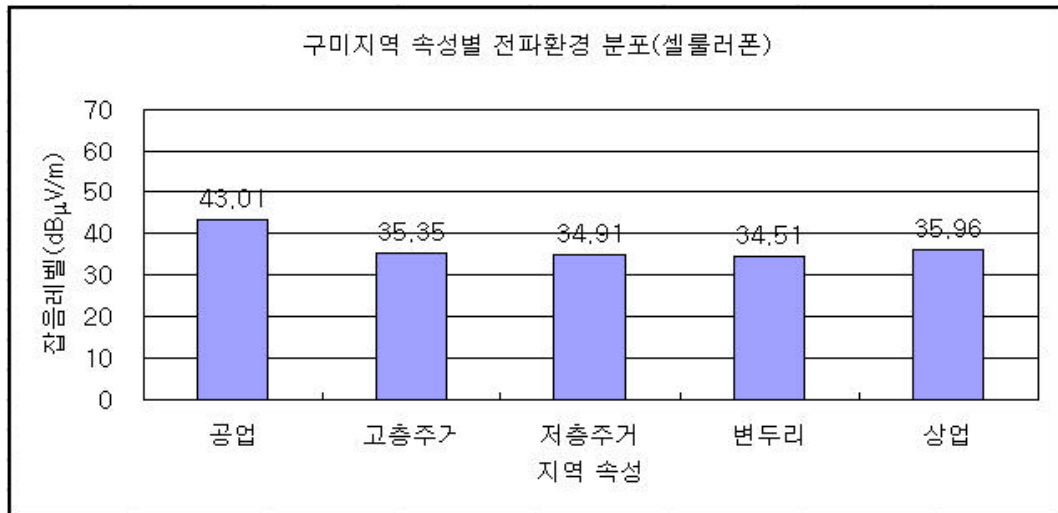
○



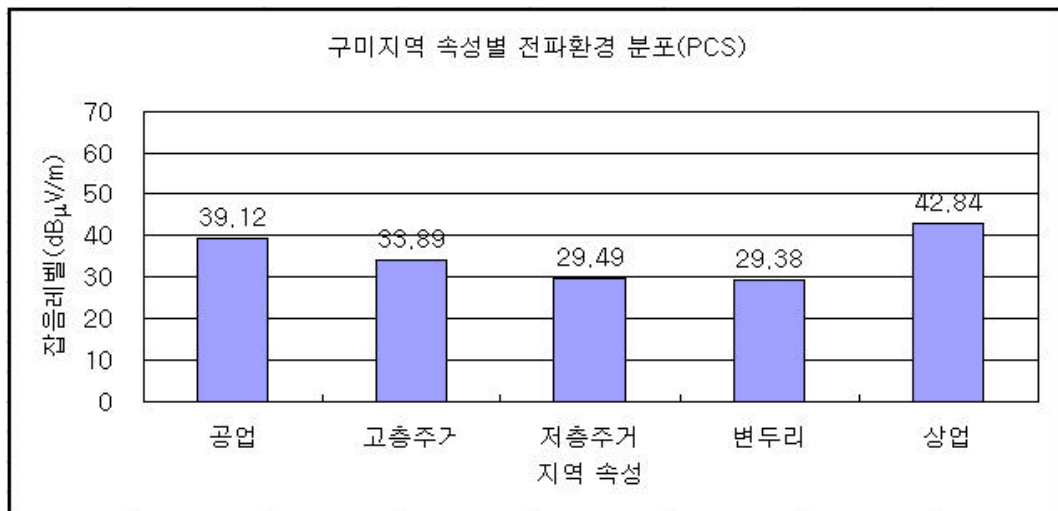
○ TV(UHF)



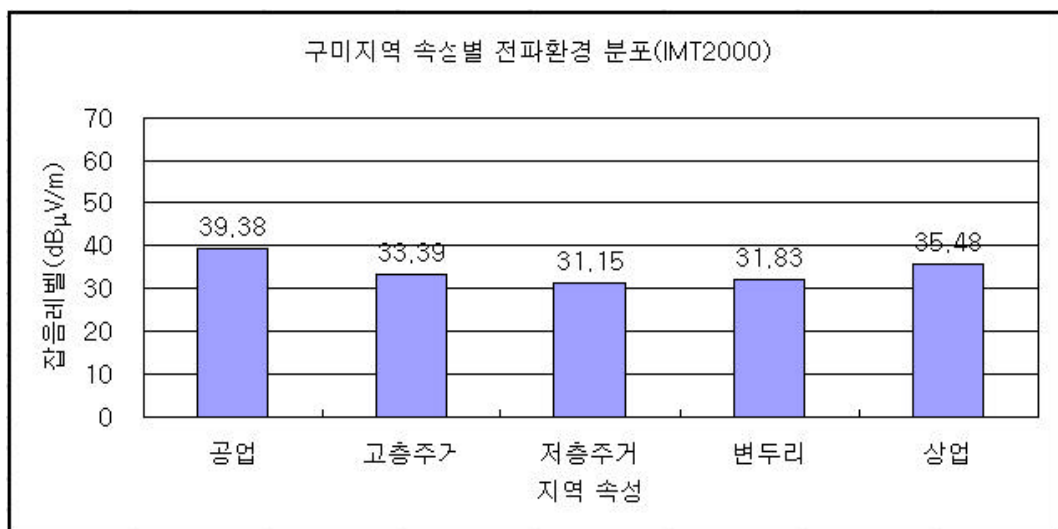
○



○ PCS



○ IMT 2000



○

가

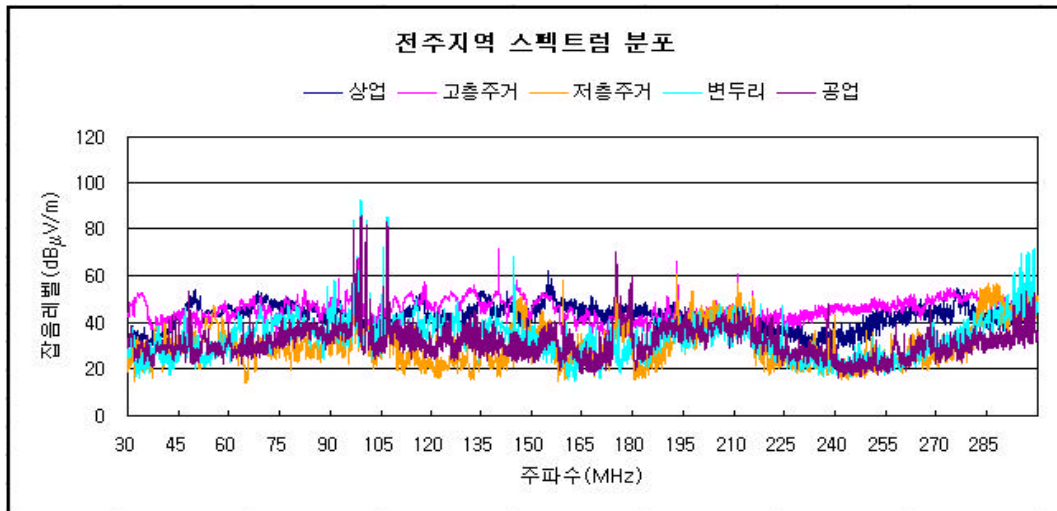
VHF TV , FM , , UHF TV
10 20dB 가
VHF TV 10dB 가

50 100

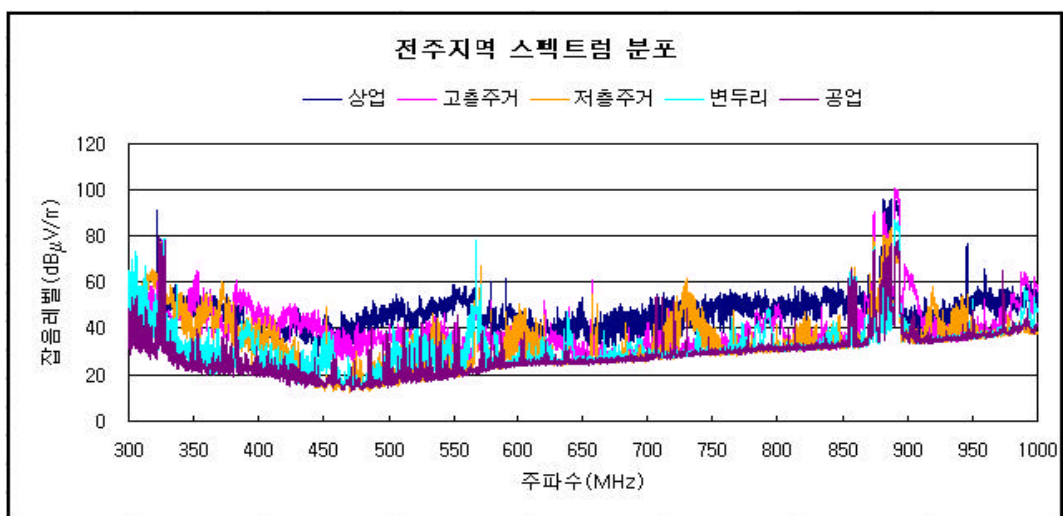
(1)

(가)

○ 30MHz 300MHz



○ 300MHz 1000MHz



○

가

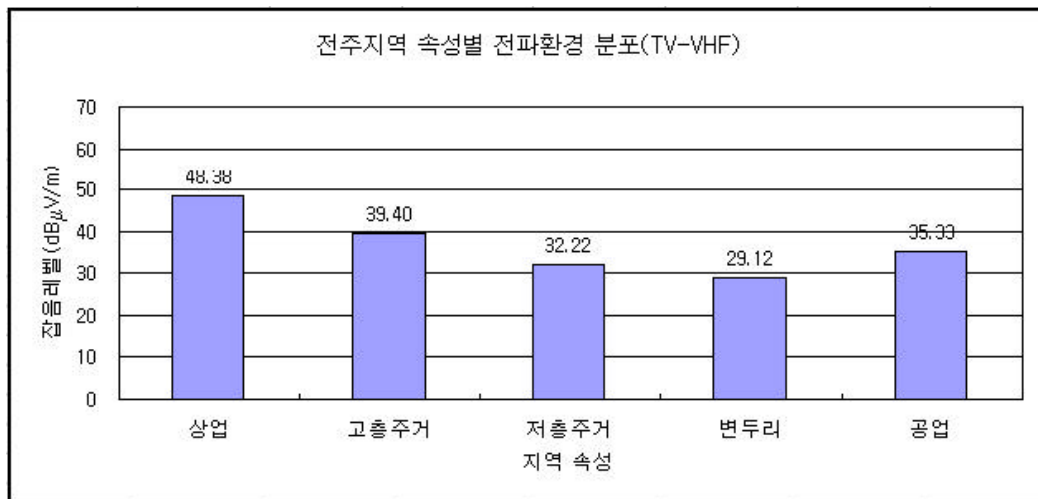
300

MHz

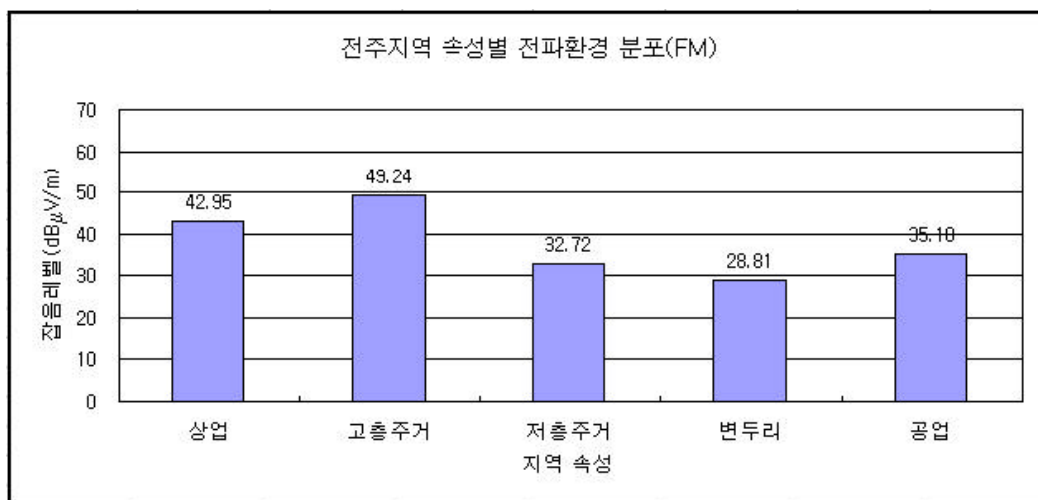
10dB 가

()

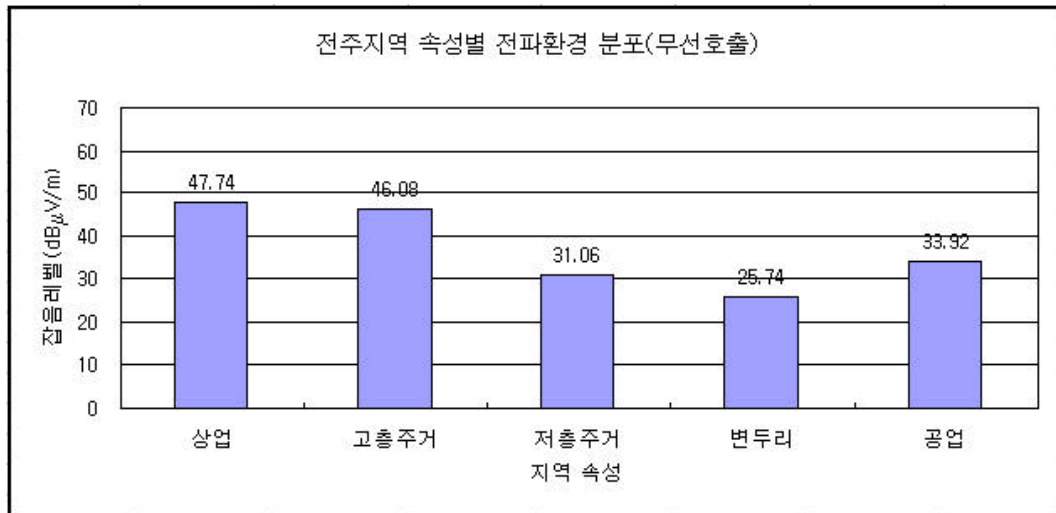
○ TV(VHF)



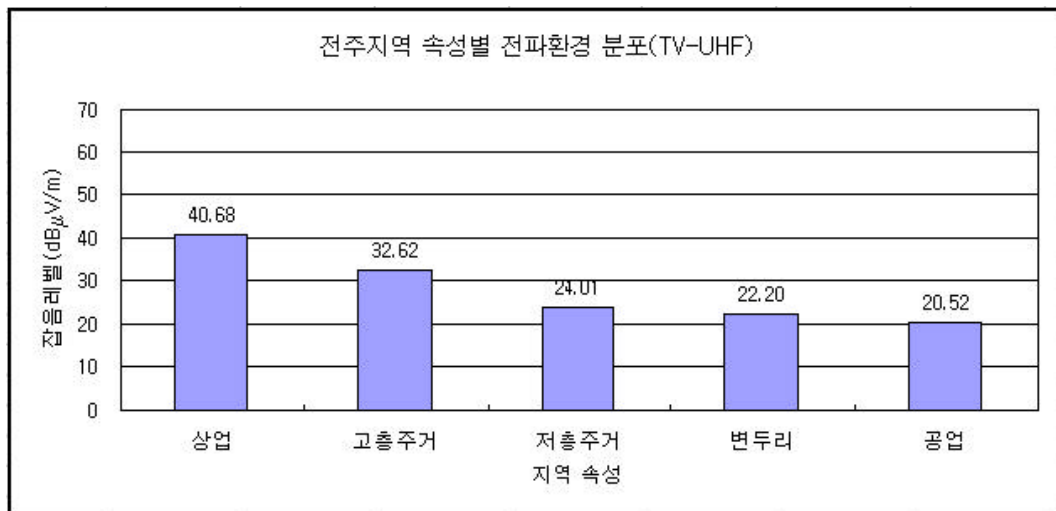
○ FM



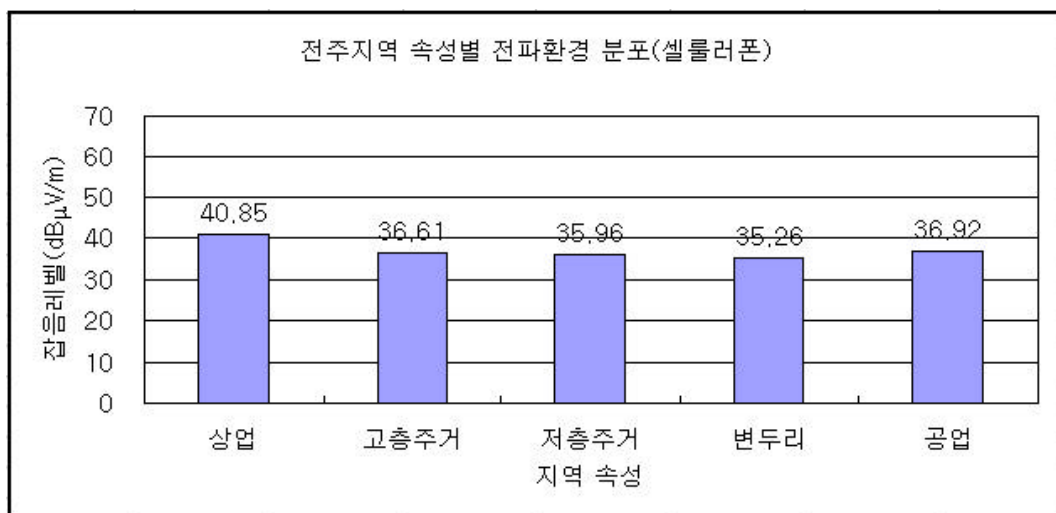
○



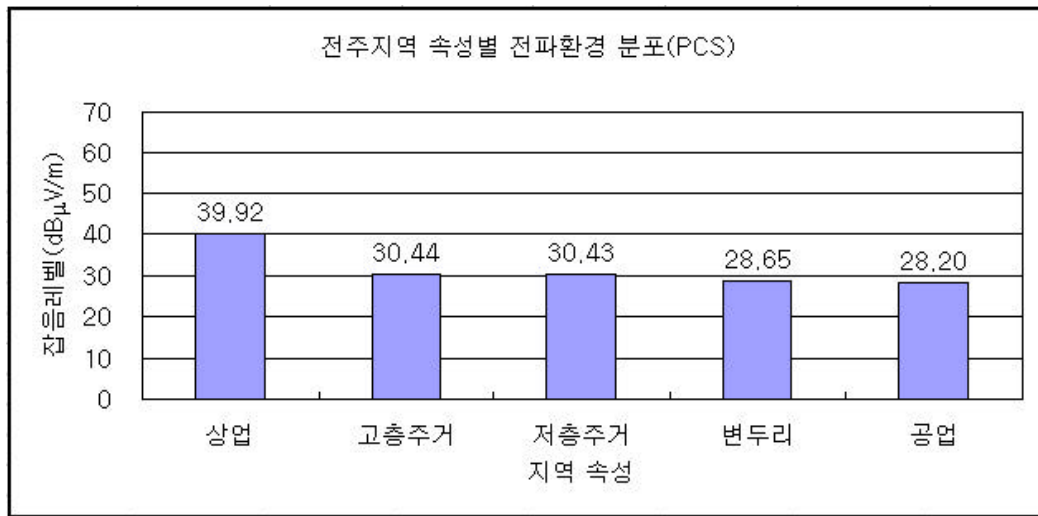
○ TV(UHF)



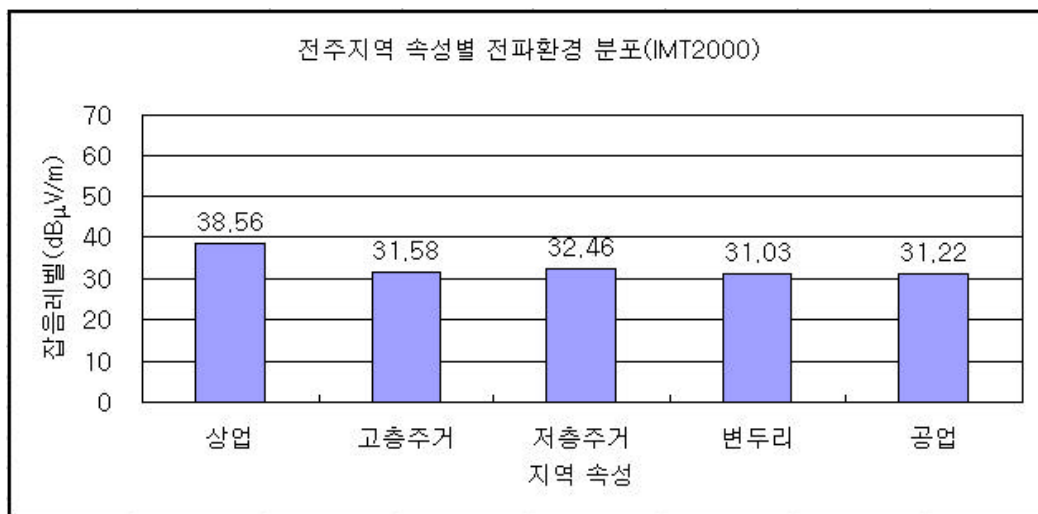
○



○ PCS



○ IMT 2000



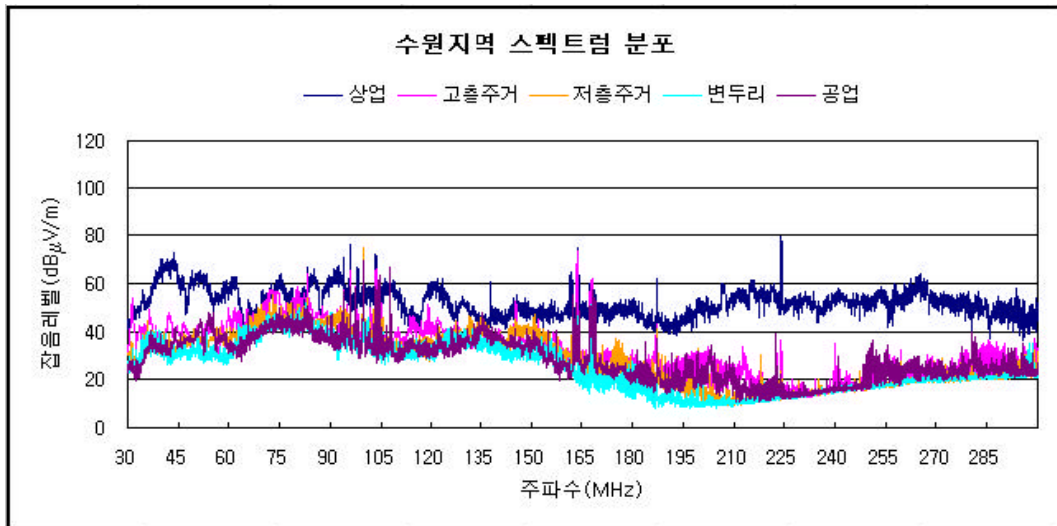
○

· VHF TV , FM
 , UHF TV
 10dB
 5dB 가
 가 .

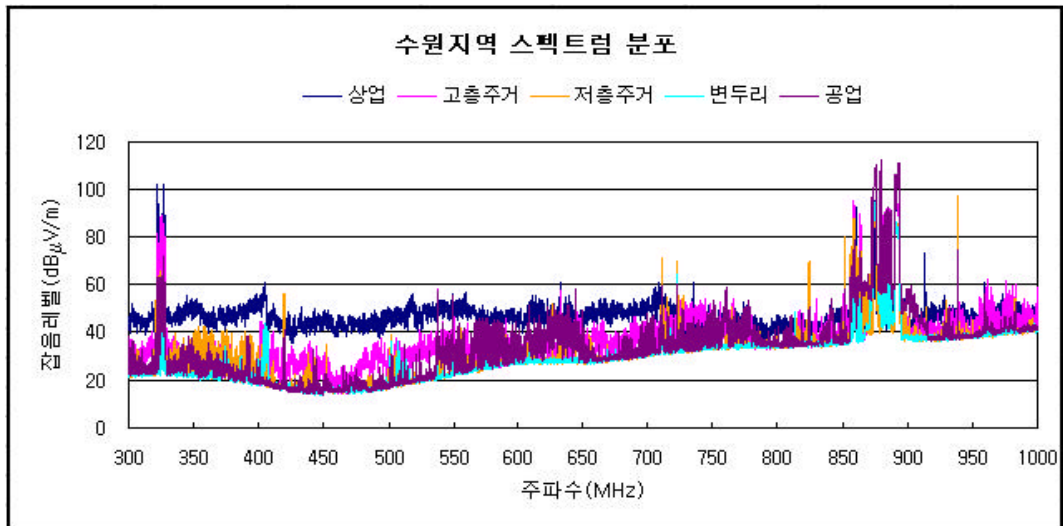
(2)

(가)

○ 30MHz 300MHz



○ 300MHz 1000MHz



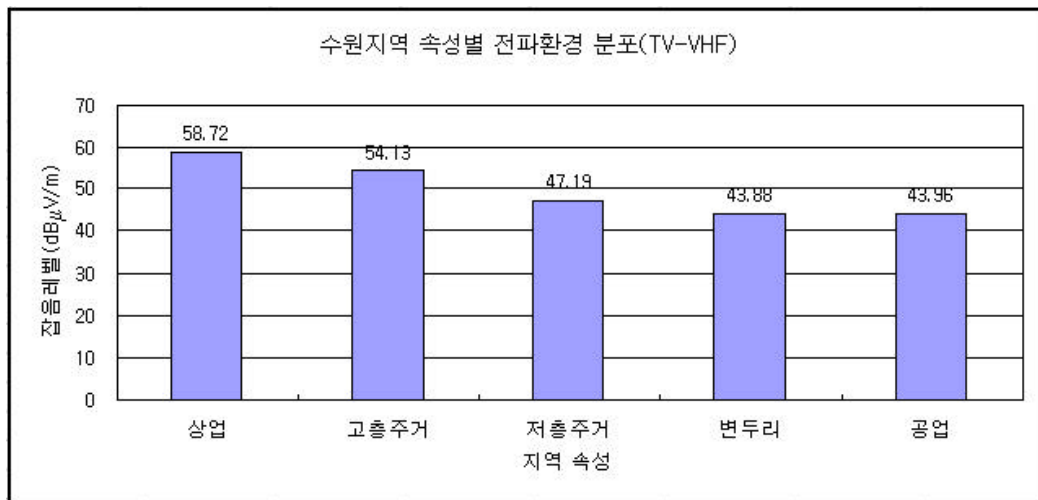
○

10 20dB 가

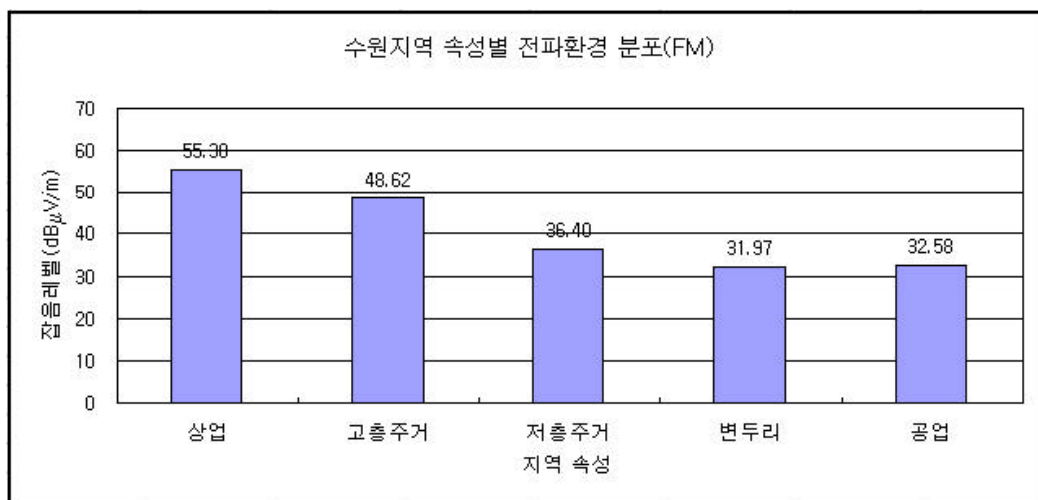
3 5dB 가

()

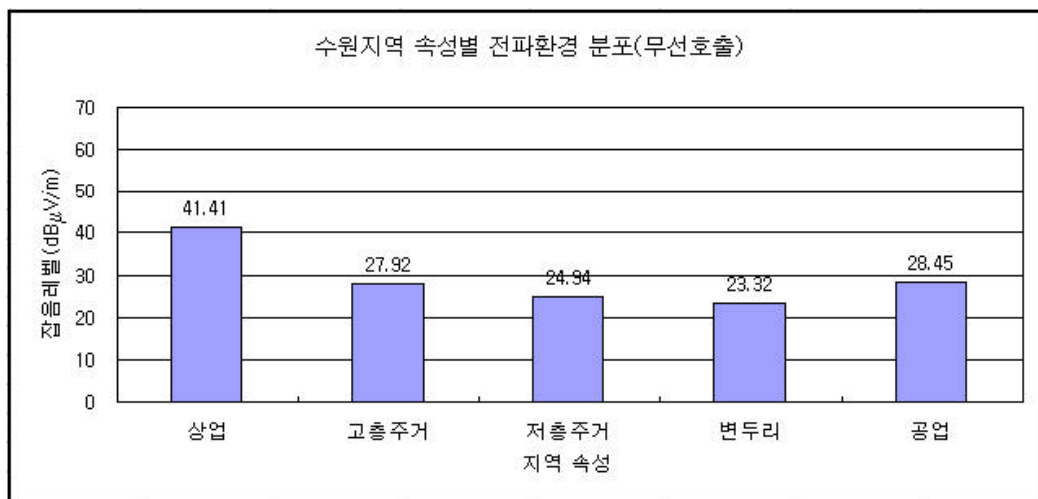
○ TV(VHF)



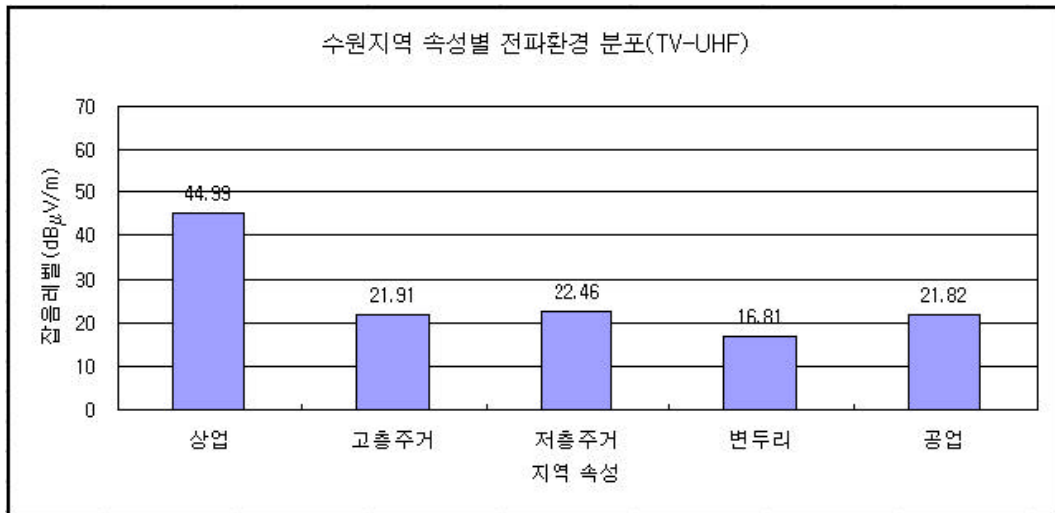
○ FM



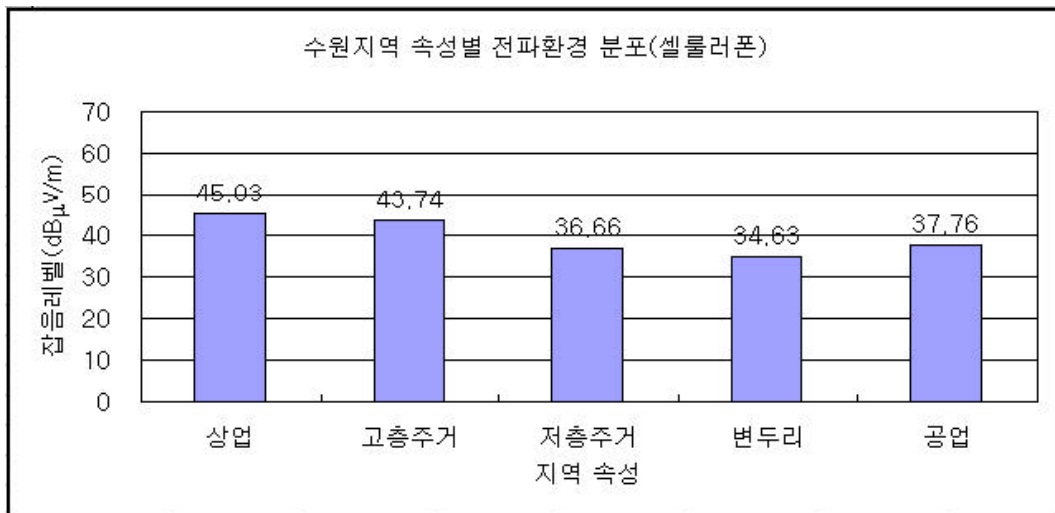
○



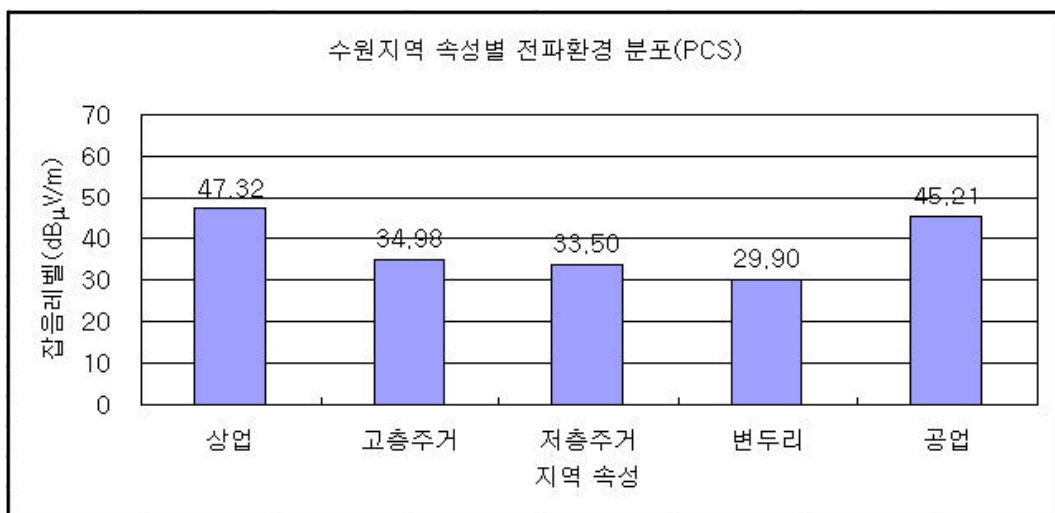
○ TV(UHF)



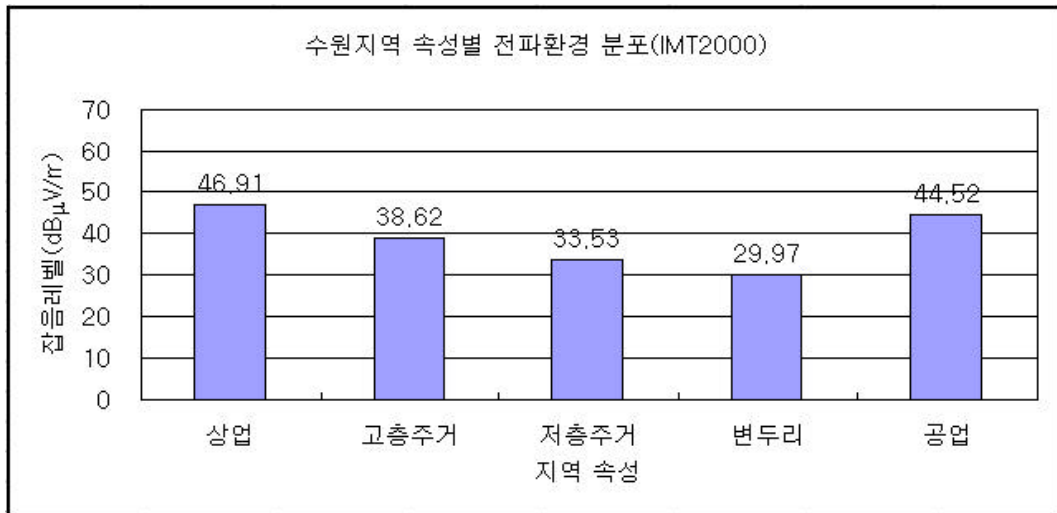
○



○ PCS



○ IM T 2000



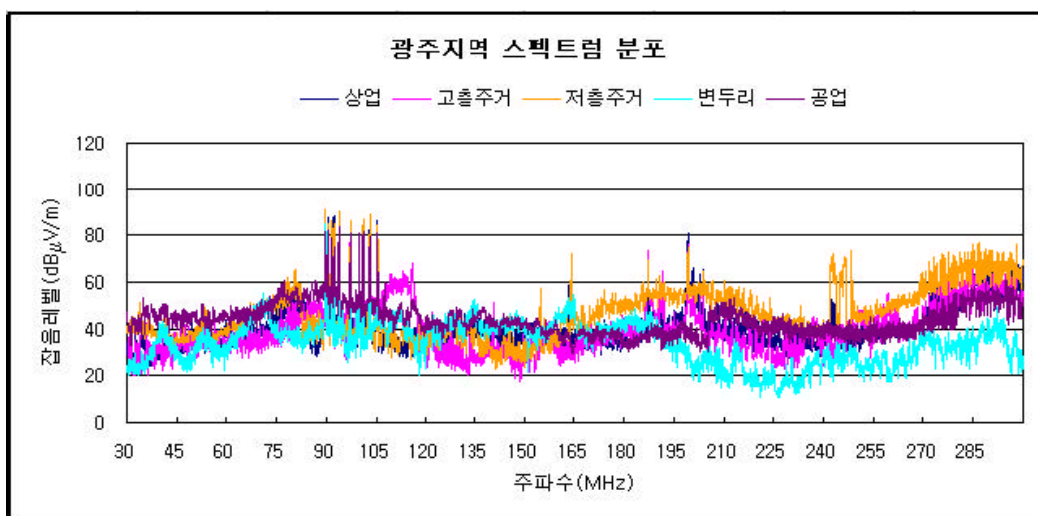
○ 가 1GHz
가 ,
, , 1GHz
가 가
가

. 100 200

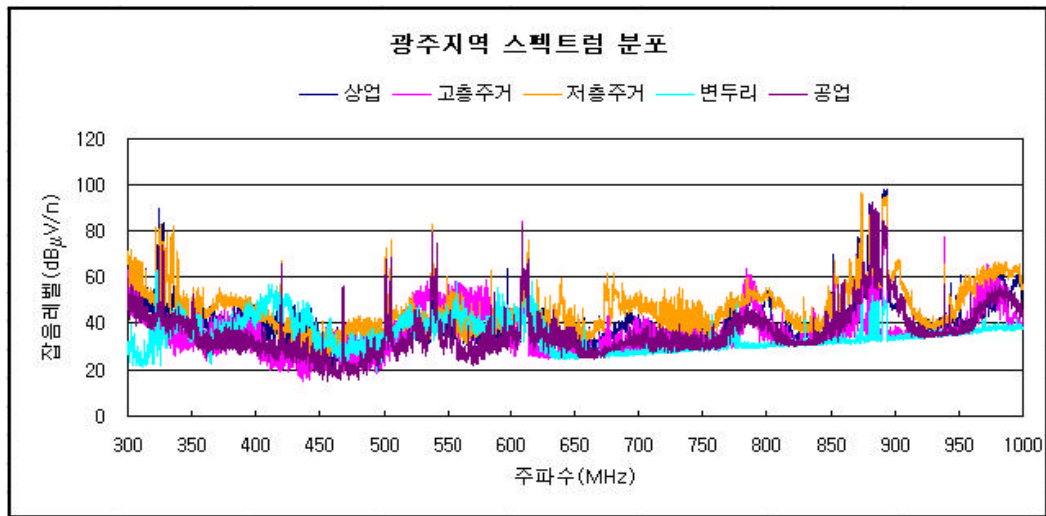
(1)

(가)

○ 30MHz 300MHz



○ 300MHz 1000MHz



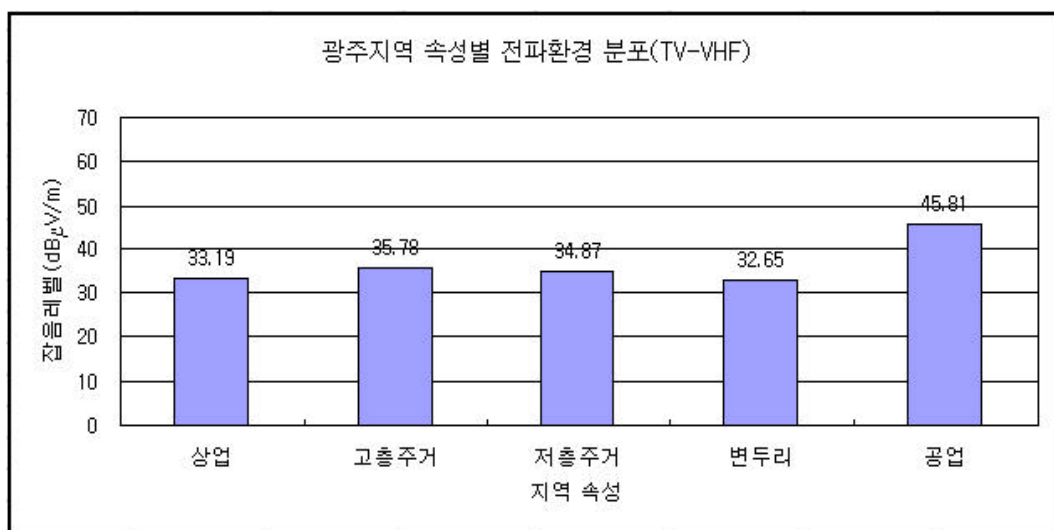
○ 300MHz

5 10dB 가

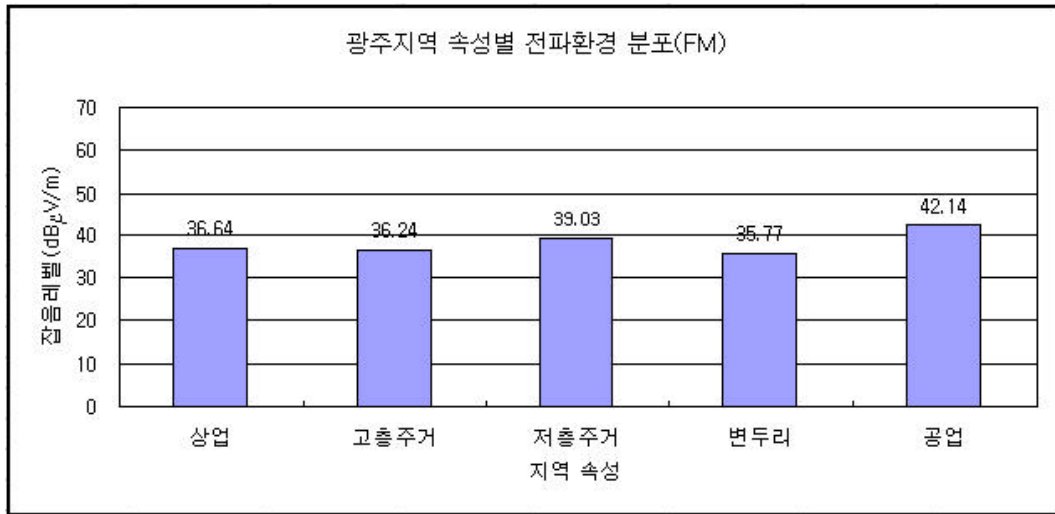
가

()

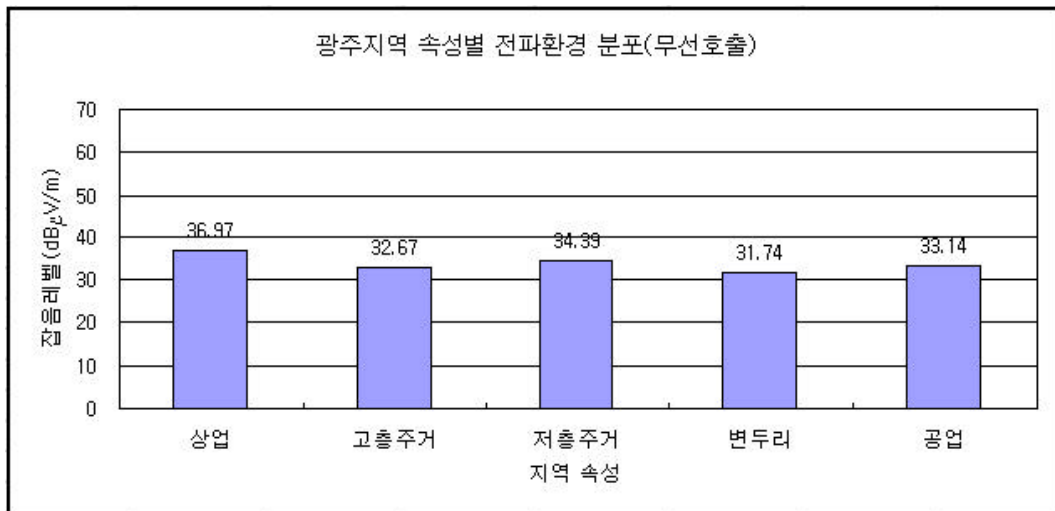
○ TV(VHF)



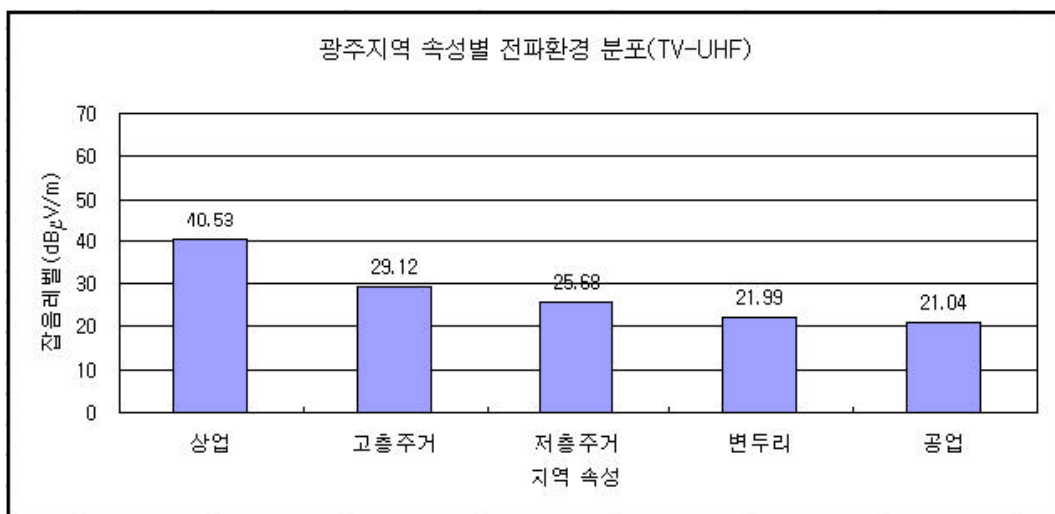
○ FM



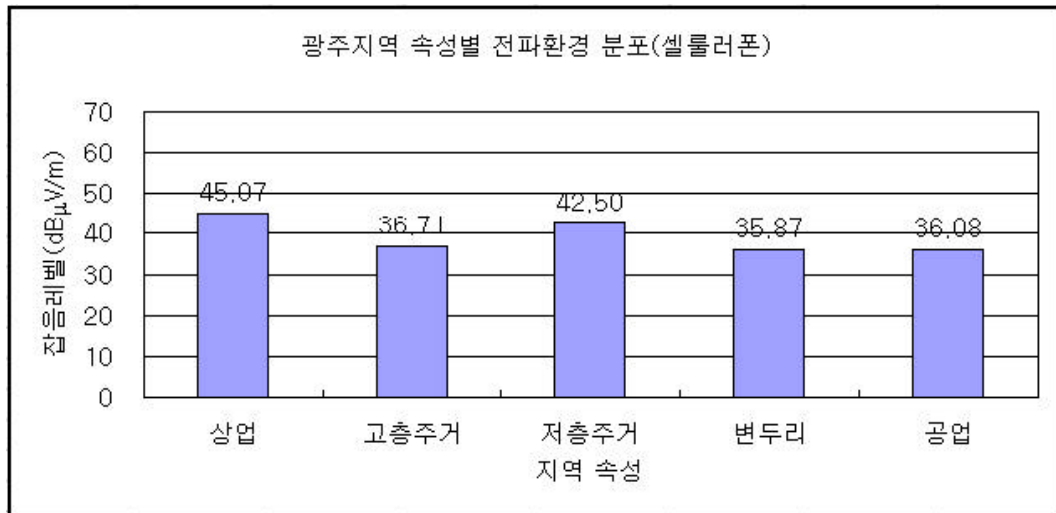
○



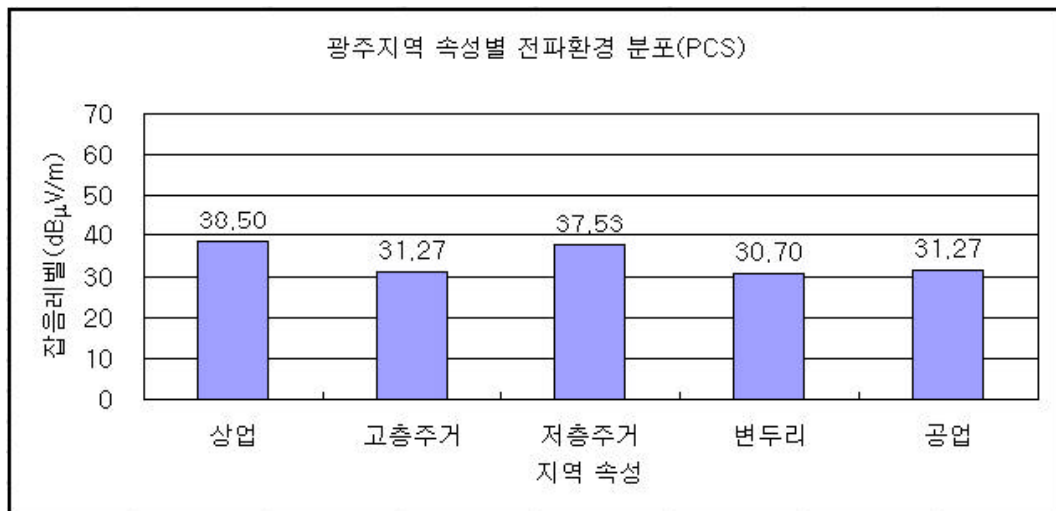
○ TV(UHF)



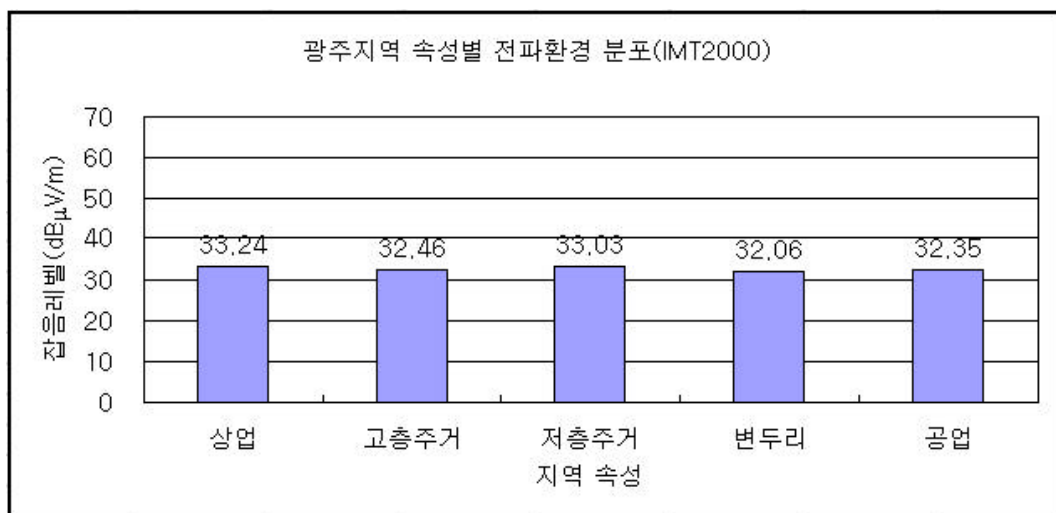
○



○ PCS



○ IMT 2000



○ 가 가

· VHF TV

10dB 가 UHF

TV 15dB

·

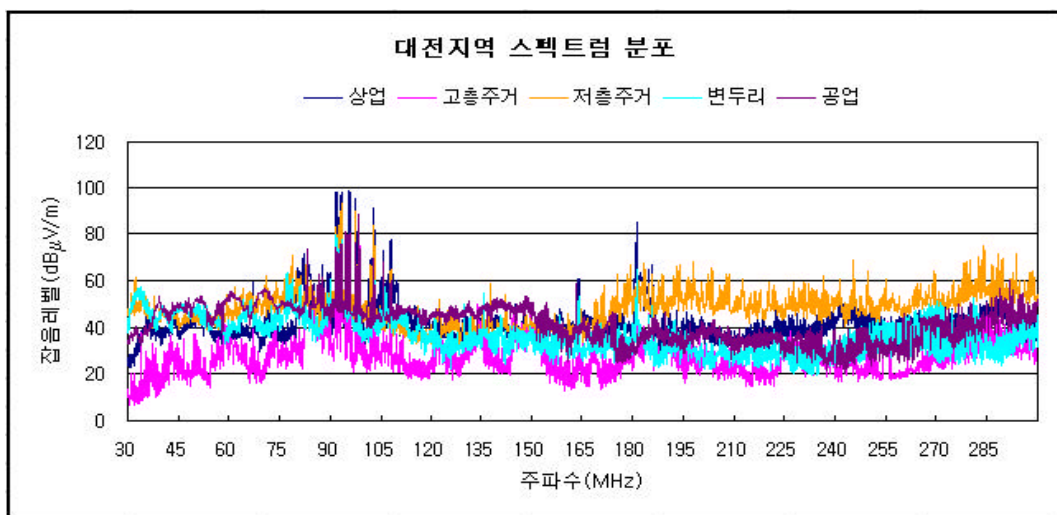
가 1GHz

·

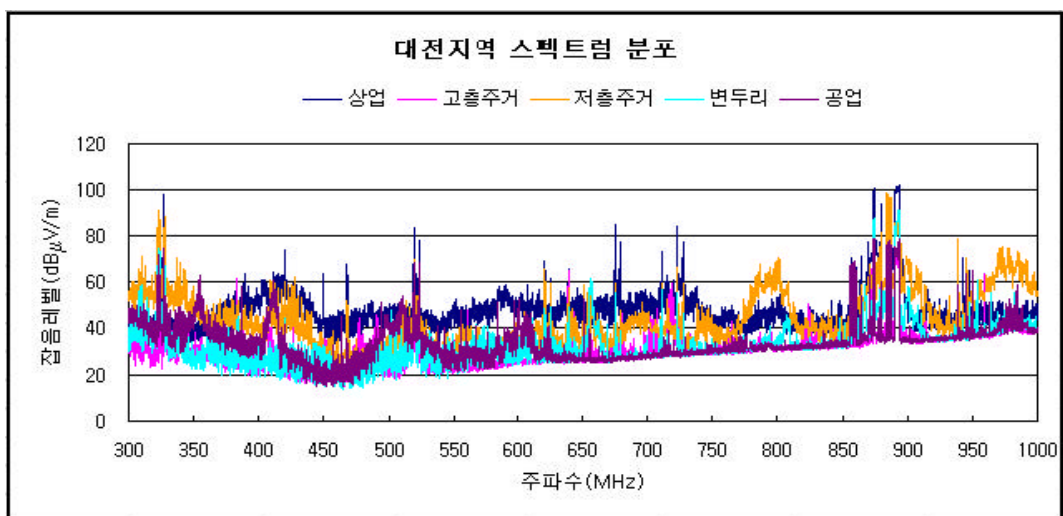
(2)

(가)

○ 30MHz 300MHz



○ 300MHz 1000MHz



○ 200MHz

10 15

dB 가

400MHz

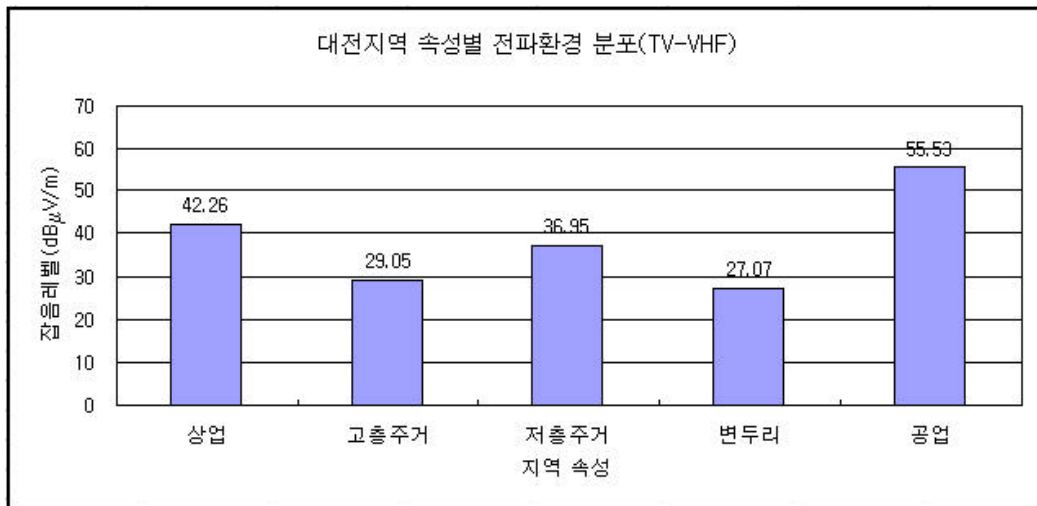
15dB

가

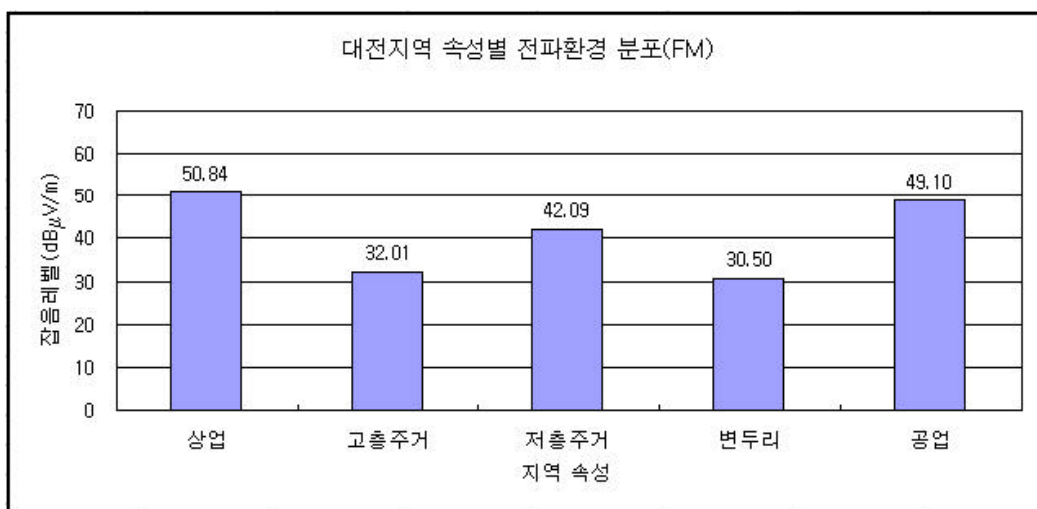
5 10dB 가

()

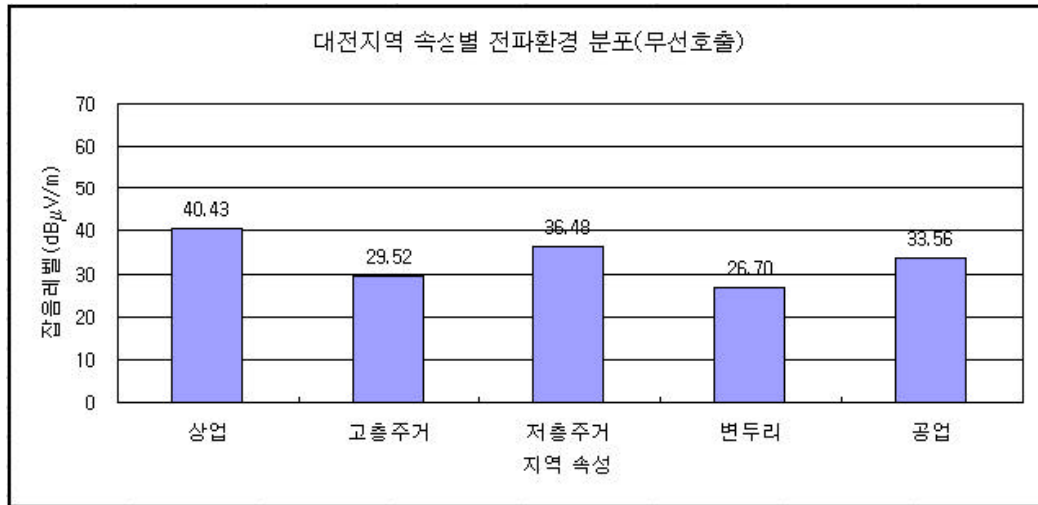
○ TV(VHF)



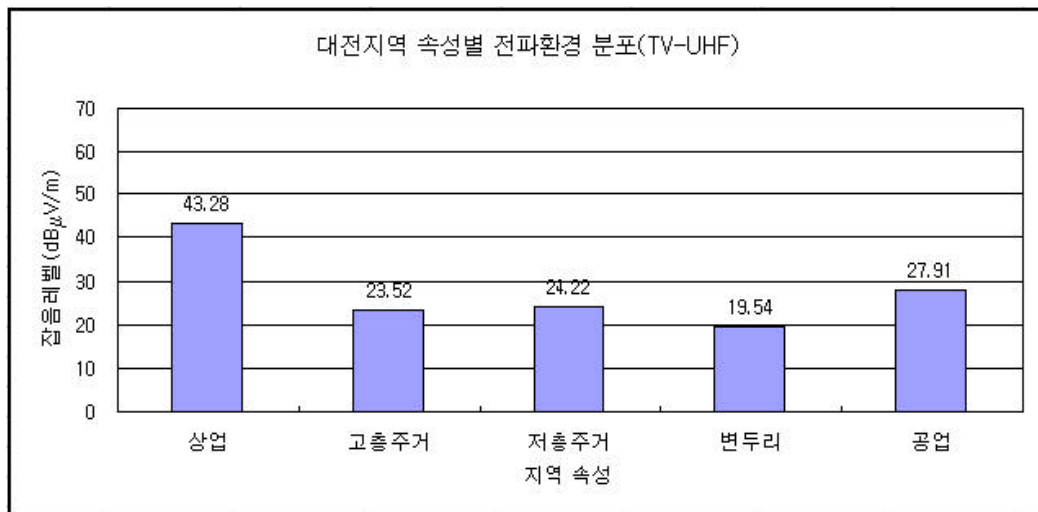
○ FM



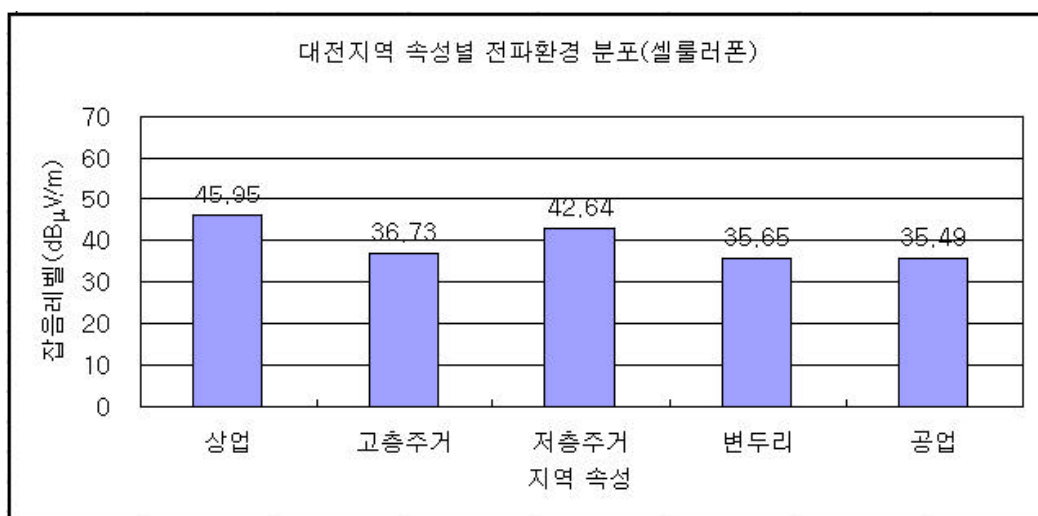
○



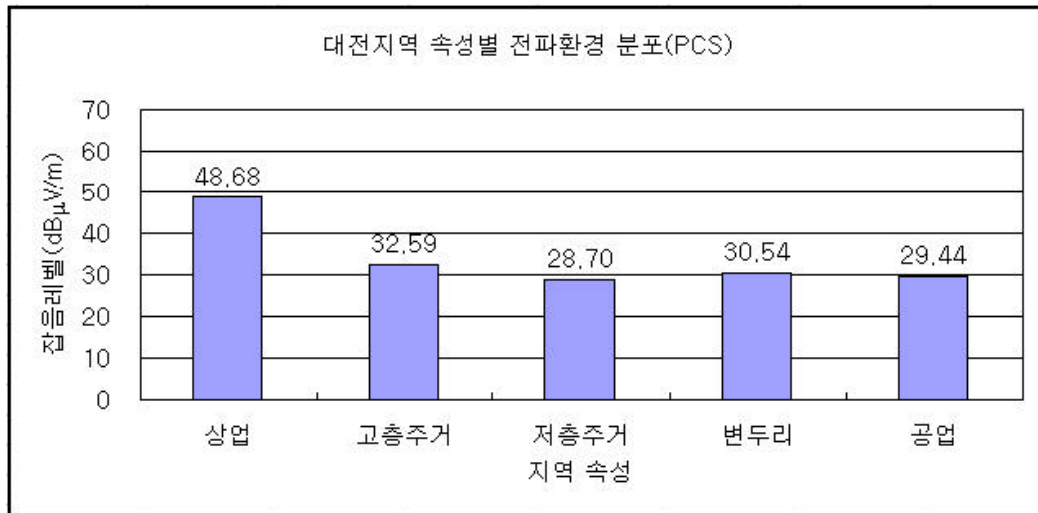
○ TV(UHF)



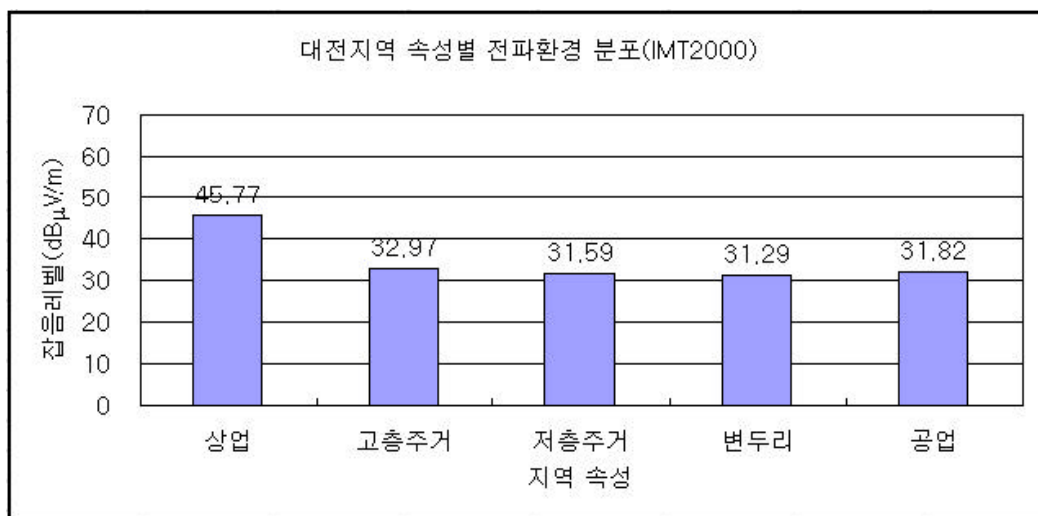
○



○ PCS



○ IMT 2000



○ VHF TV , FM , UHF TV

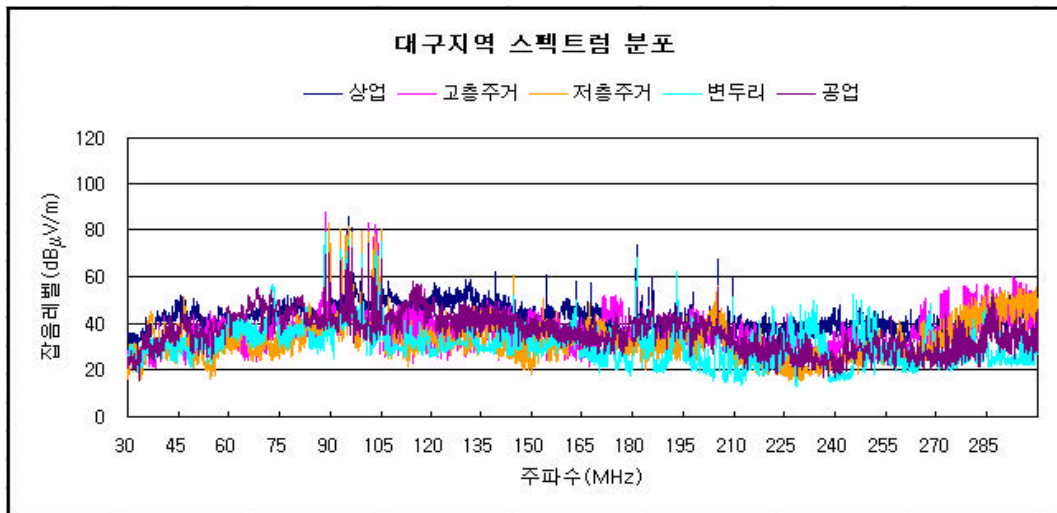
10dB 가 FM 가

200 300

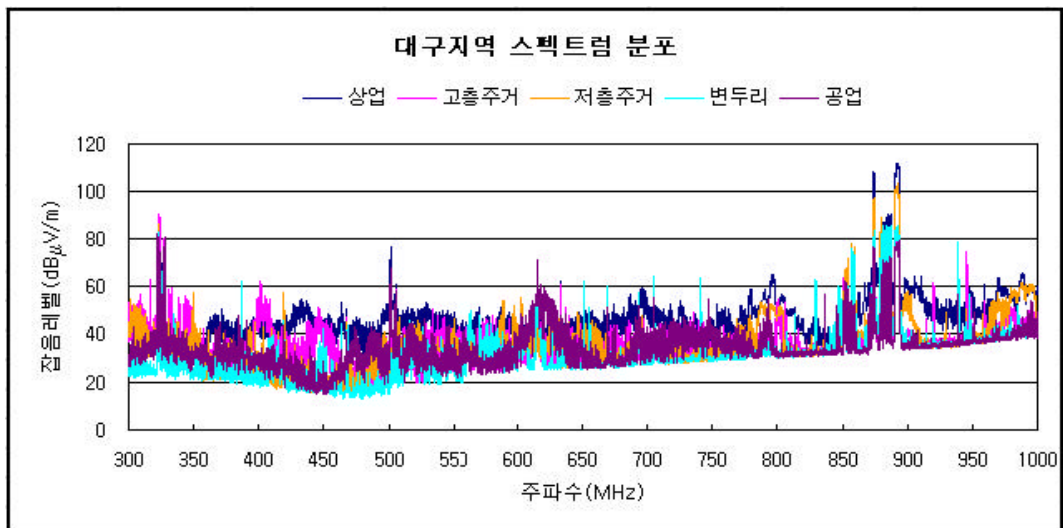
(1)

(가)

○ 30MHz 300MHz



○ 300MHz 1000MHz



○ 200MHz

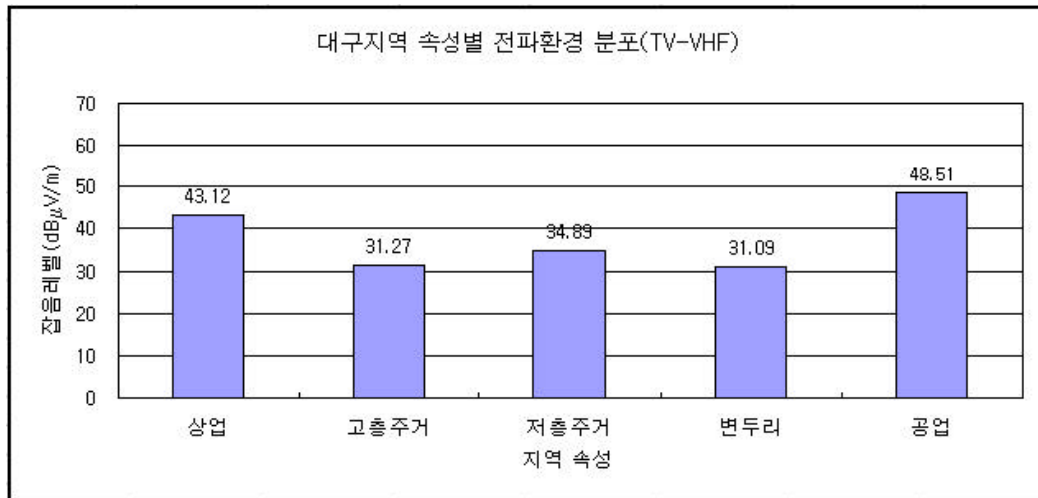
5dB 가

10dB 가

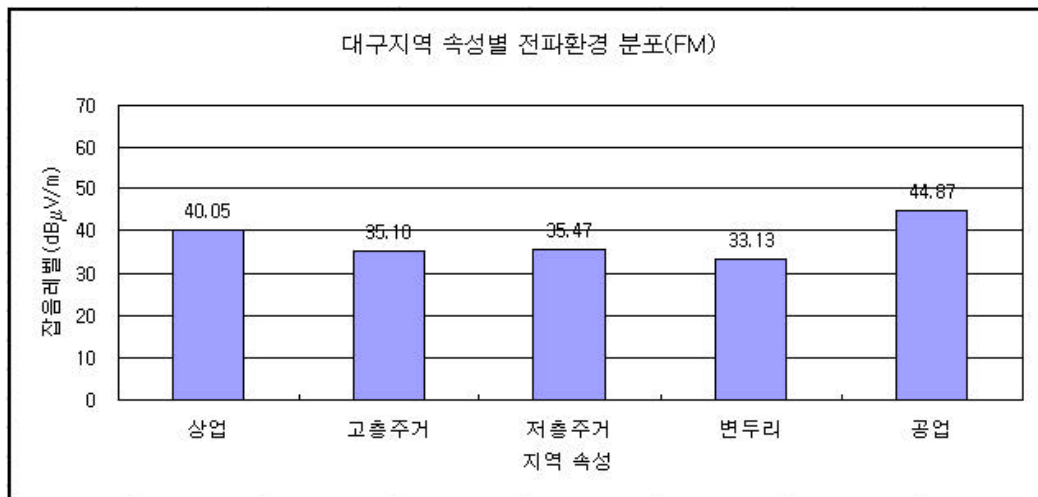
가

()

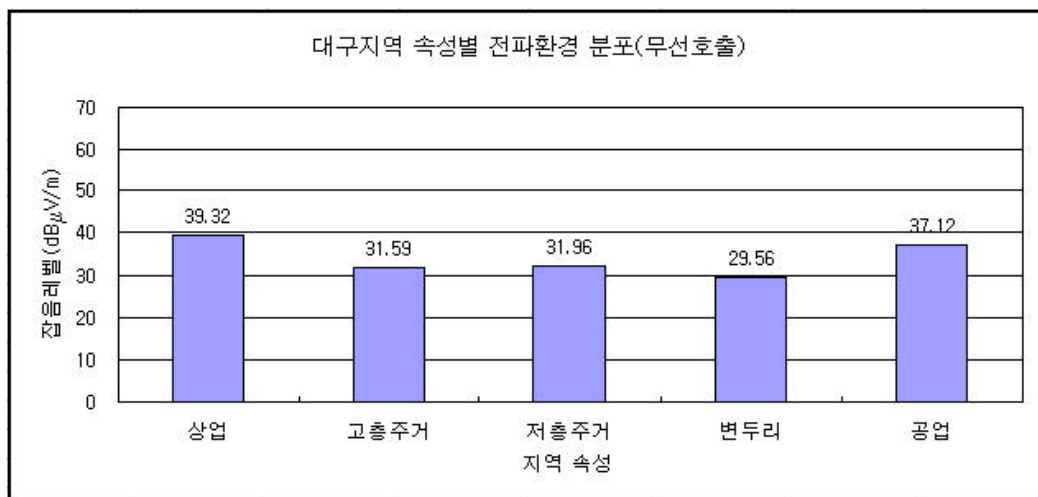
○ TV(VHF)



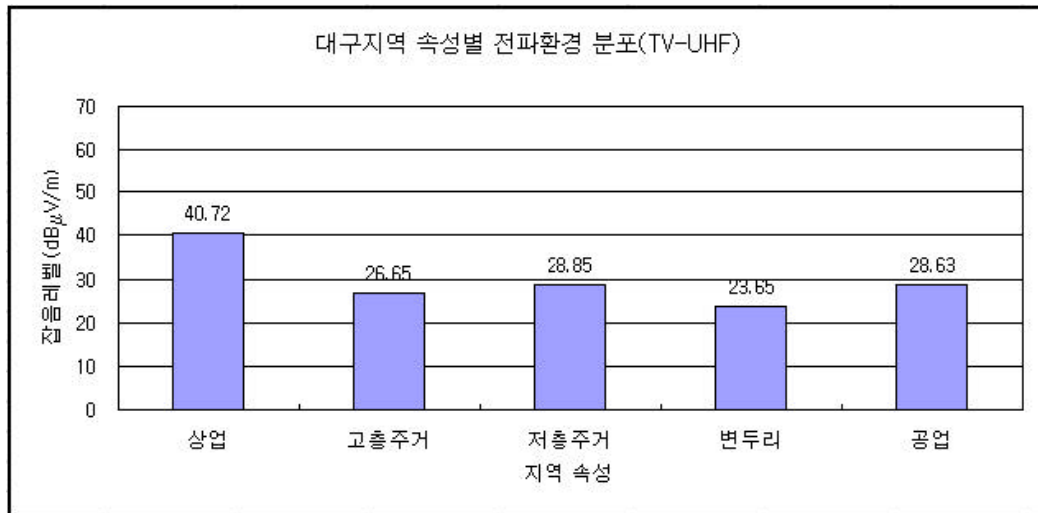
○ FM



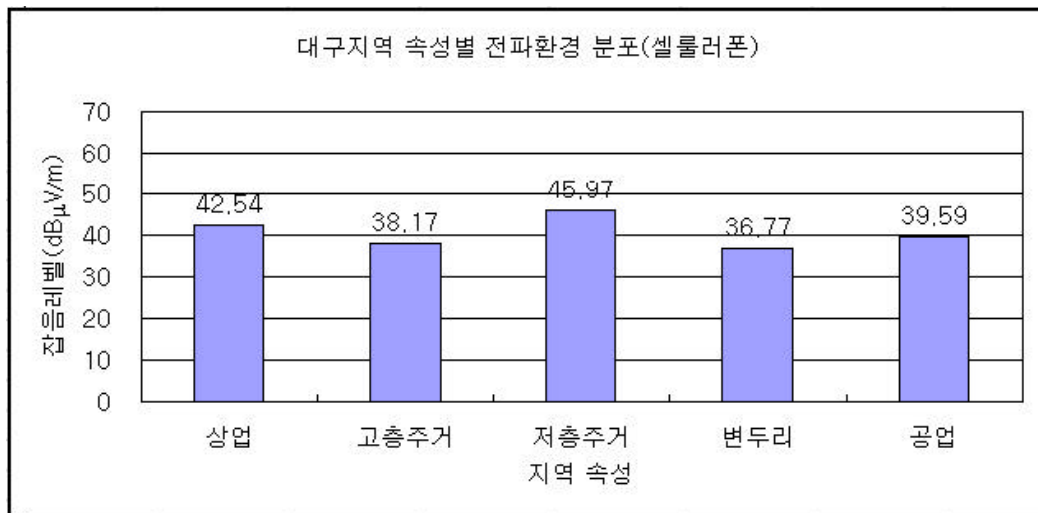
○



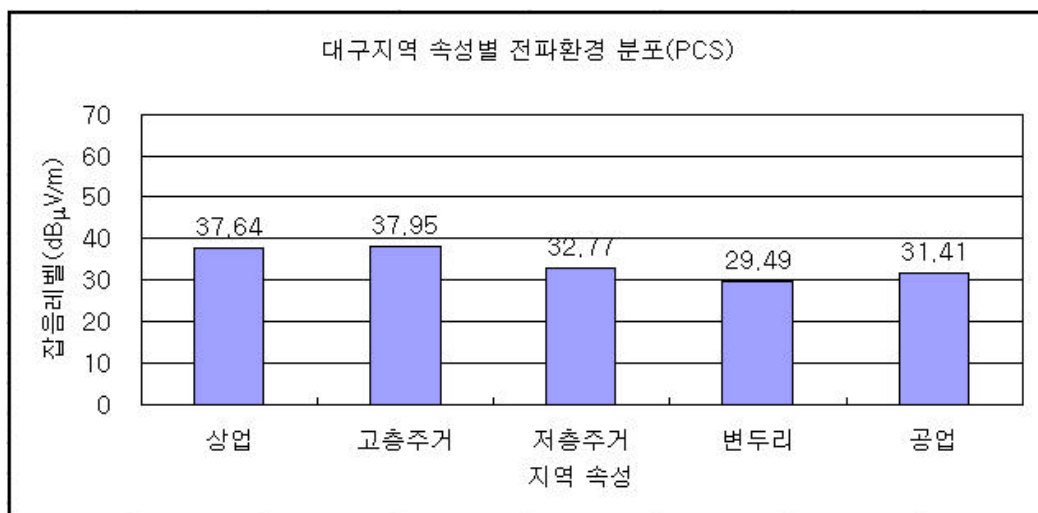
○ TV(UHF)



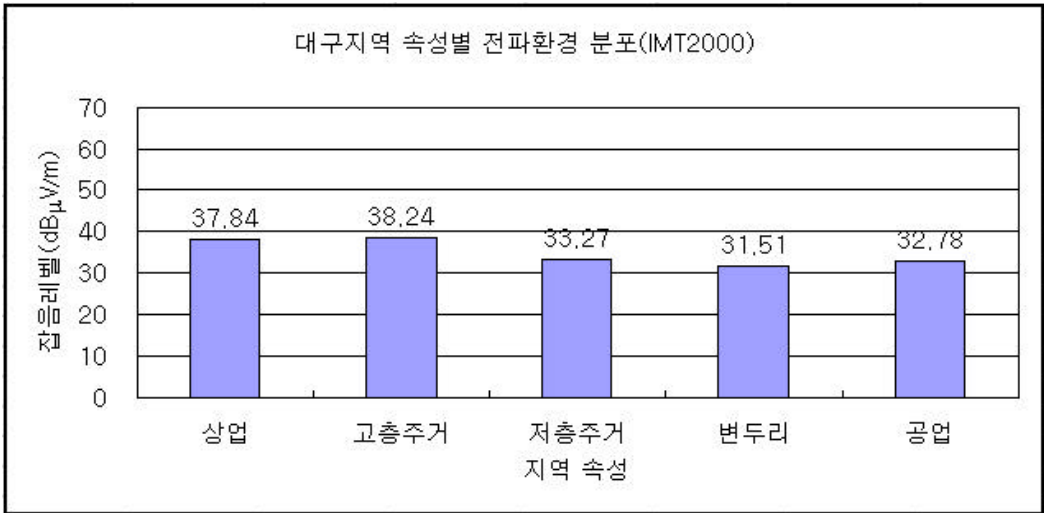
○



○ PCS



- IM T 2000



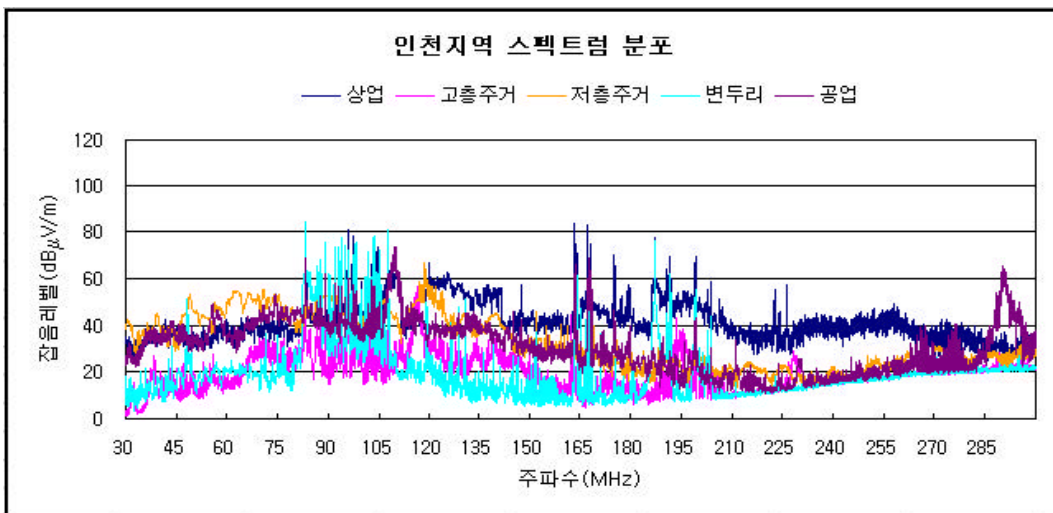
○ VHF TV , FM ,
 , ,
가 UHF TV
10dB 가
. 1GHz

5dB 가 .

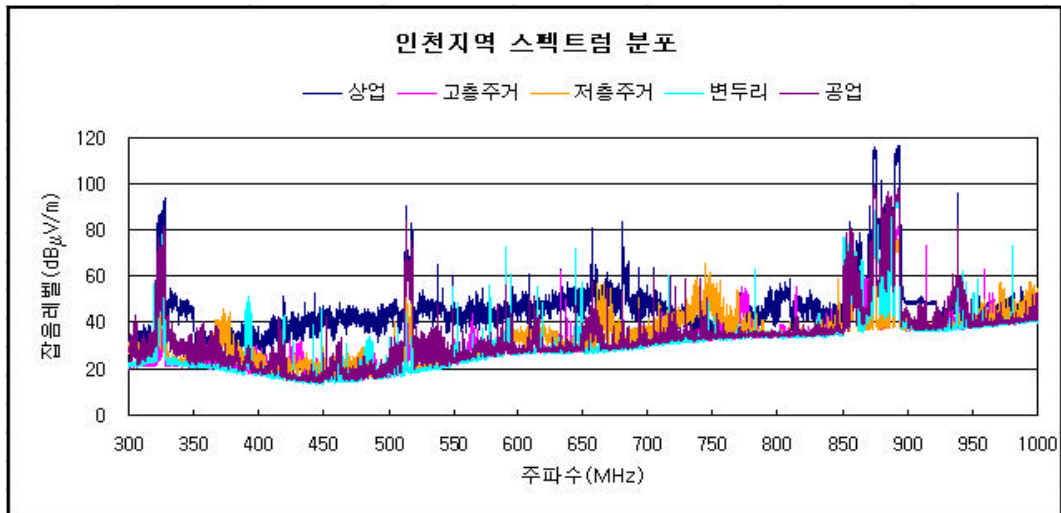
(2)

(71)

○ 30MHz 300MHz



○ 300MHz 1000MHz



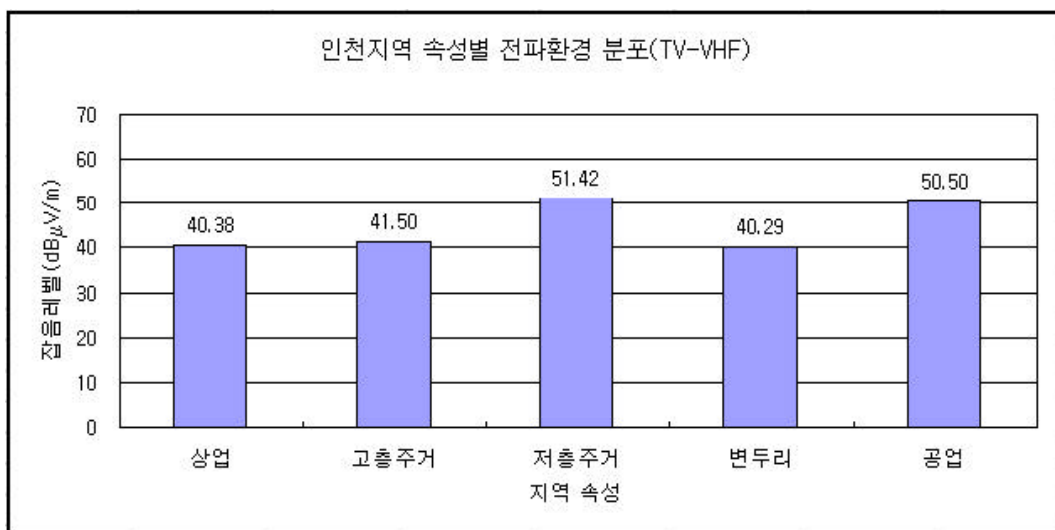
○ 200MHz

10dB

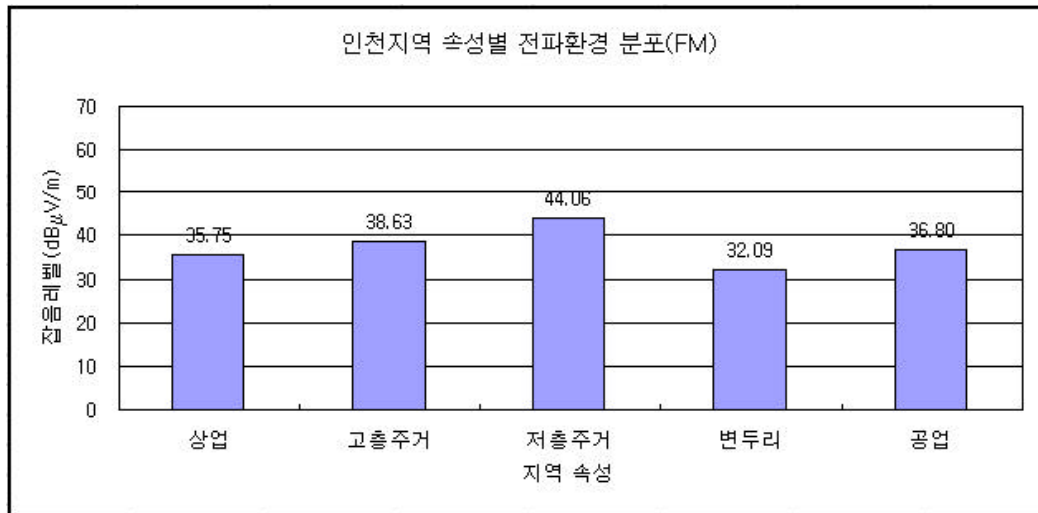
10 15dB 가

()

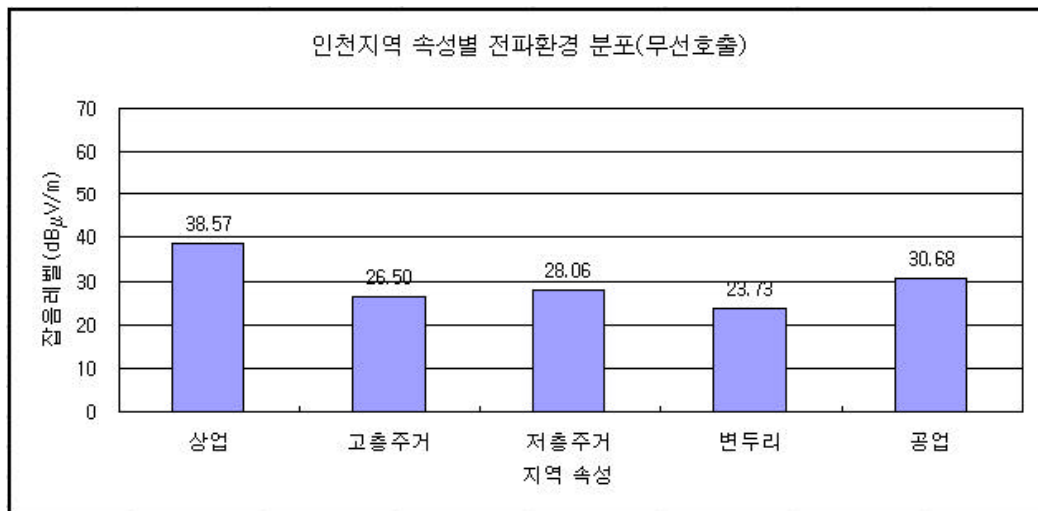
○ TV(VHF)



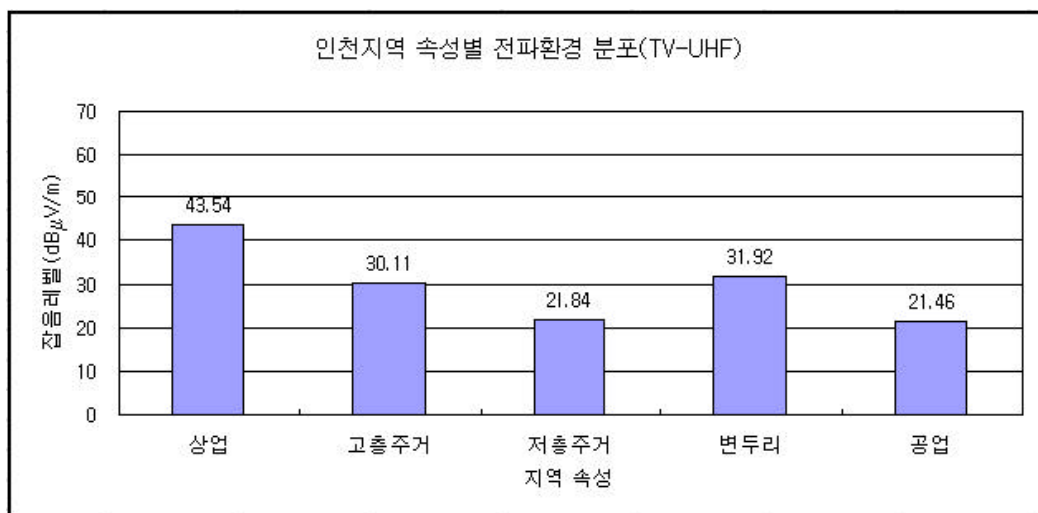
○ FM



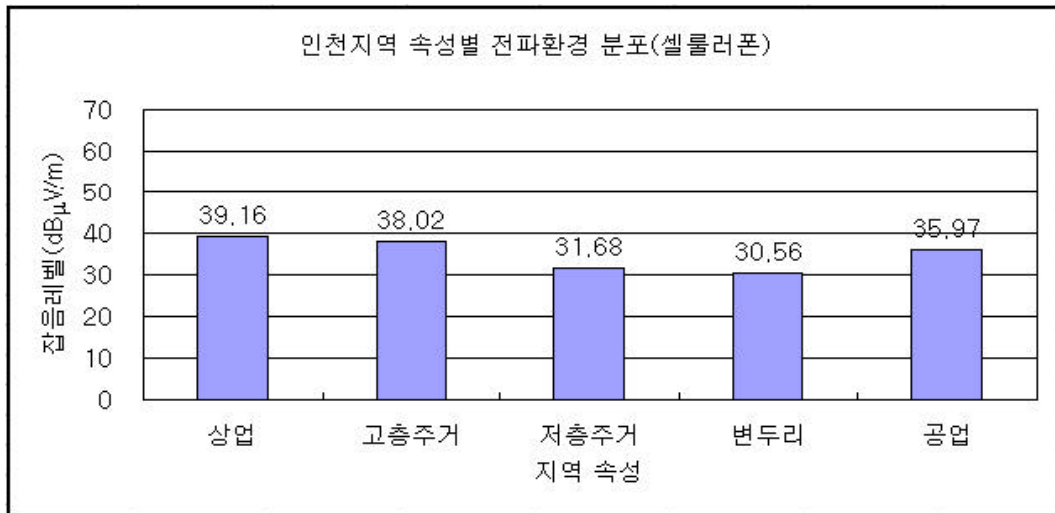
○



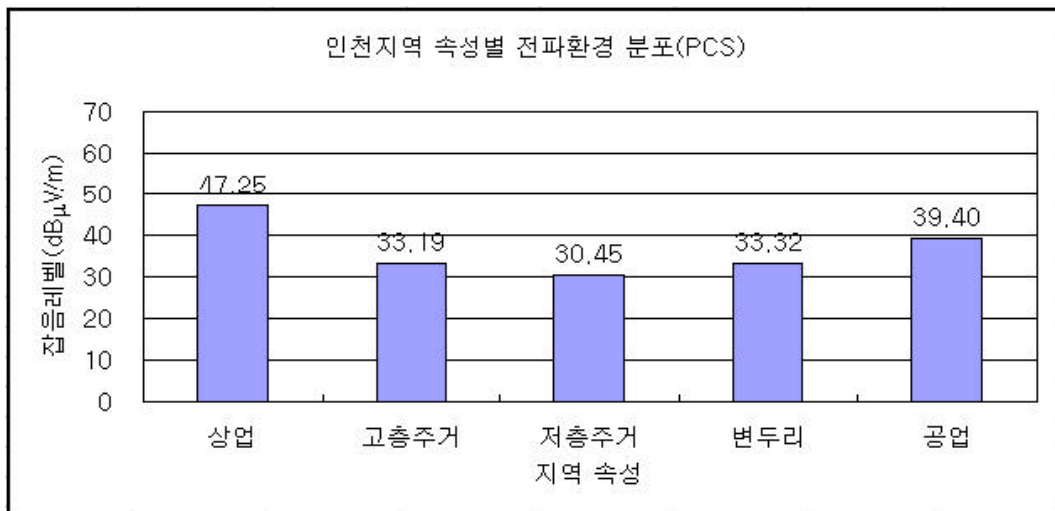
○ TV(UHF)



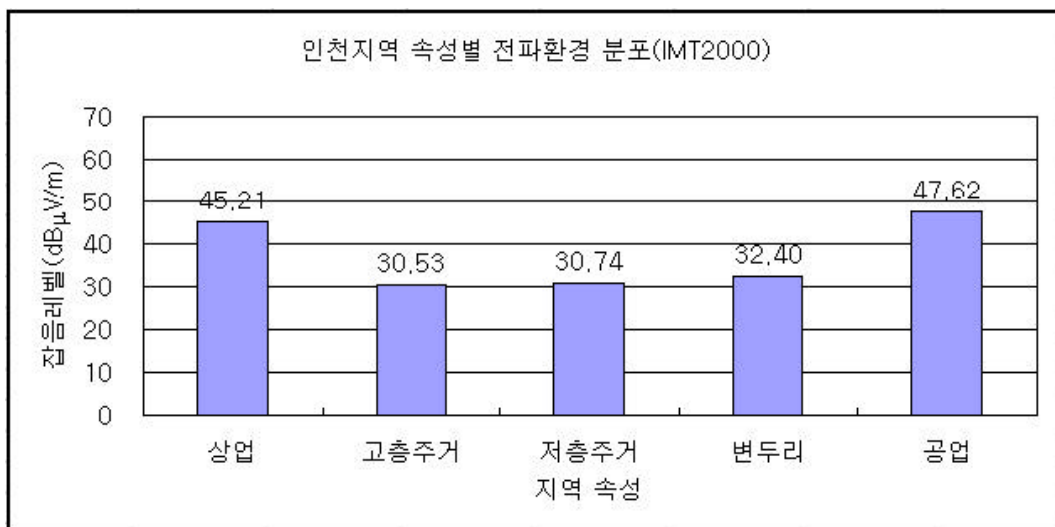
○



○ PCS



○ IMT 2000



○ VHF TV , FM
5 10dB 가

300MHz

가

가

1GHz

가

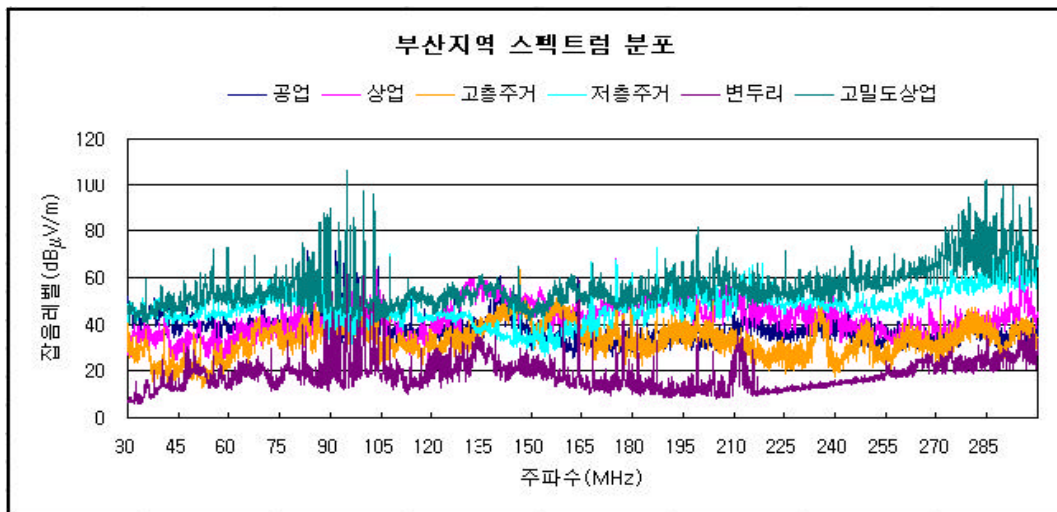
PCS

300

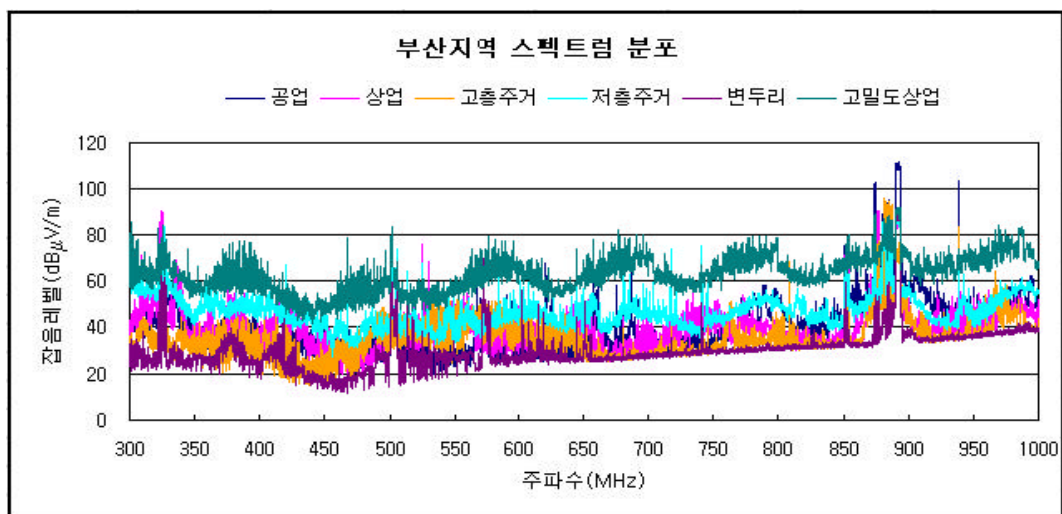
(1)

(가)

○ 30MHz 300MHz



○ 300MHz 1000MHz



○ 가 .

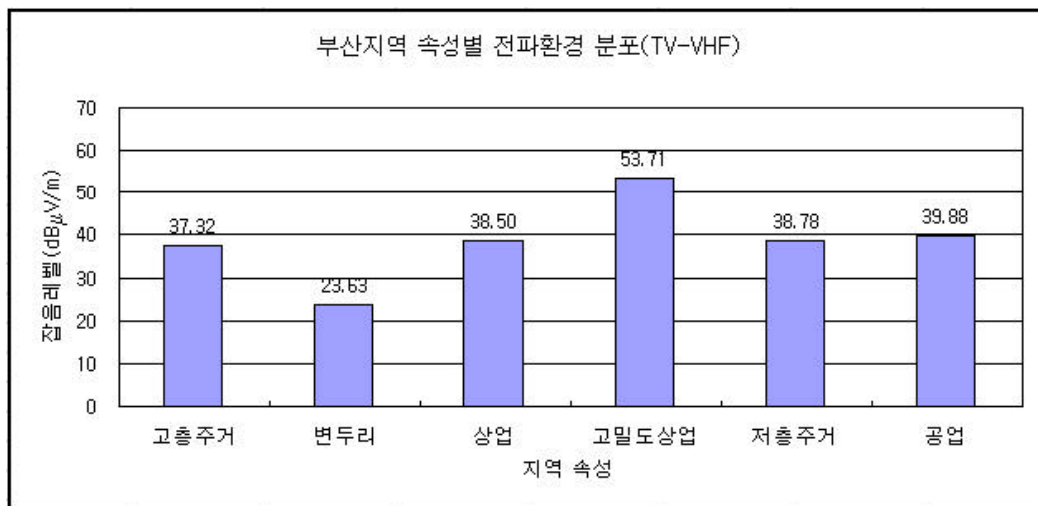
15dB

가 , , 5 10

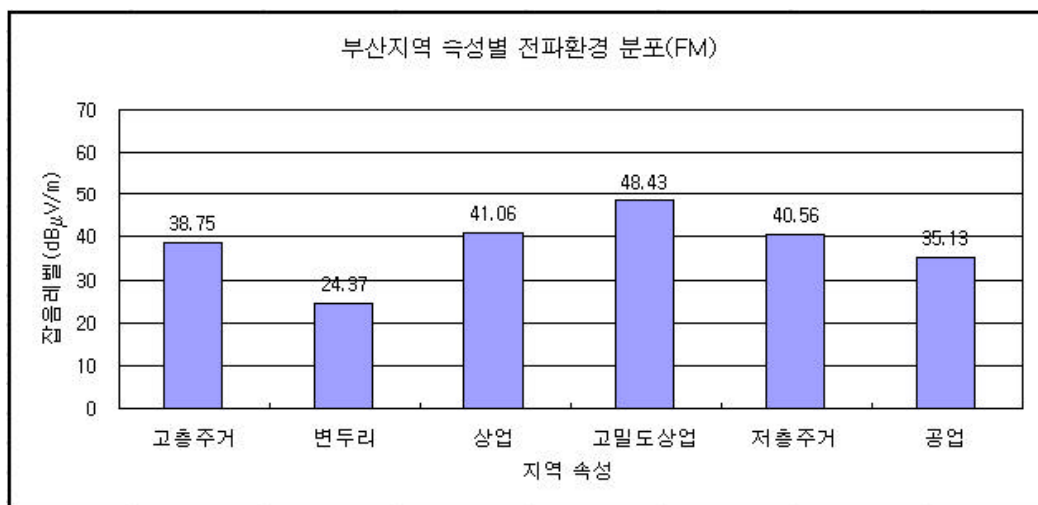
dB 가 .

()

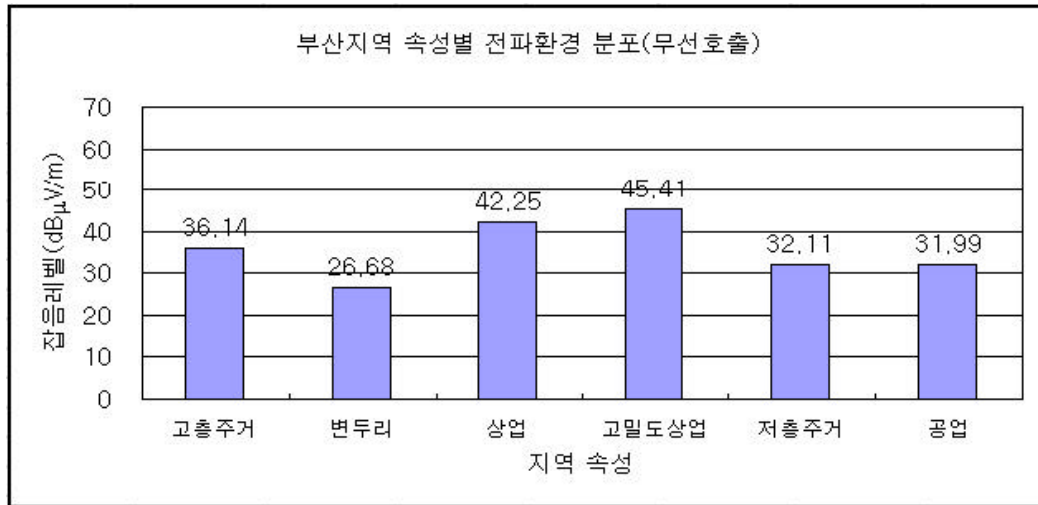
○ TV(VHF)



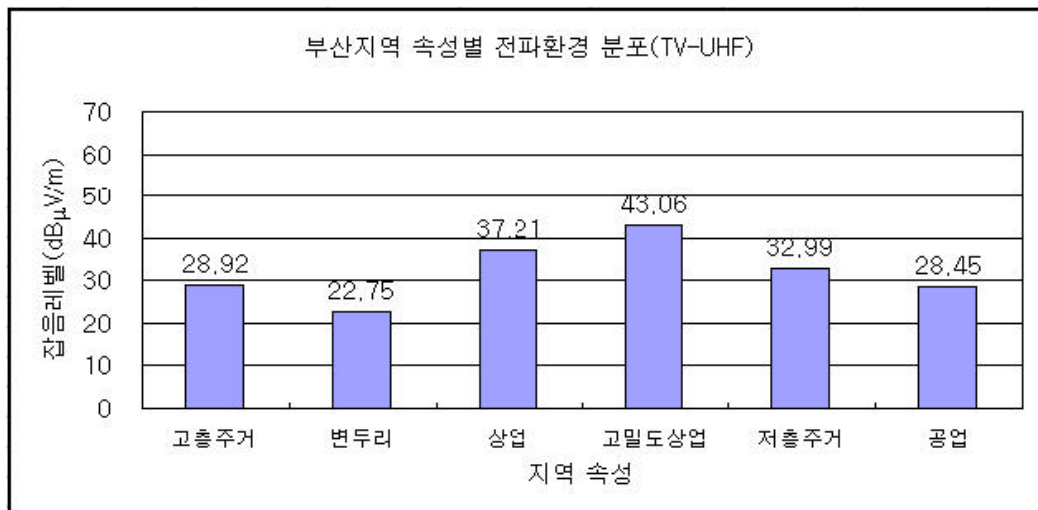
○ FM



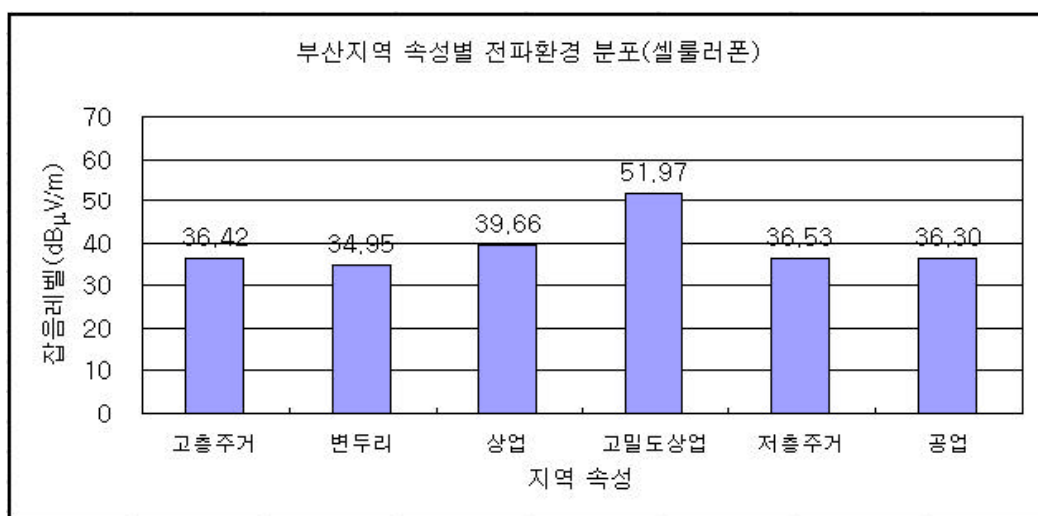
○



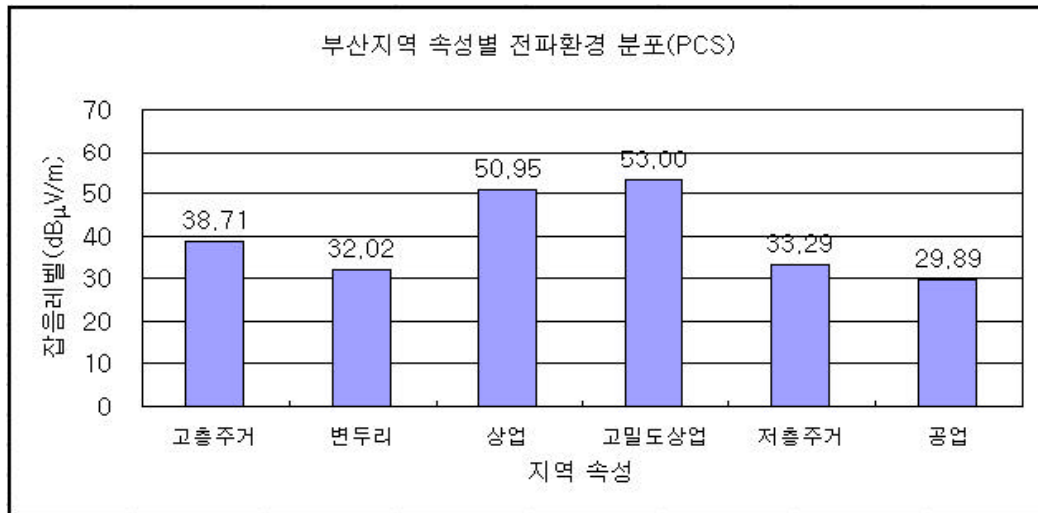
○ TV(UHF)



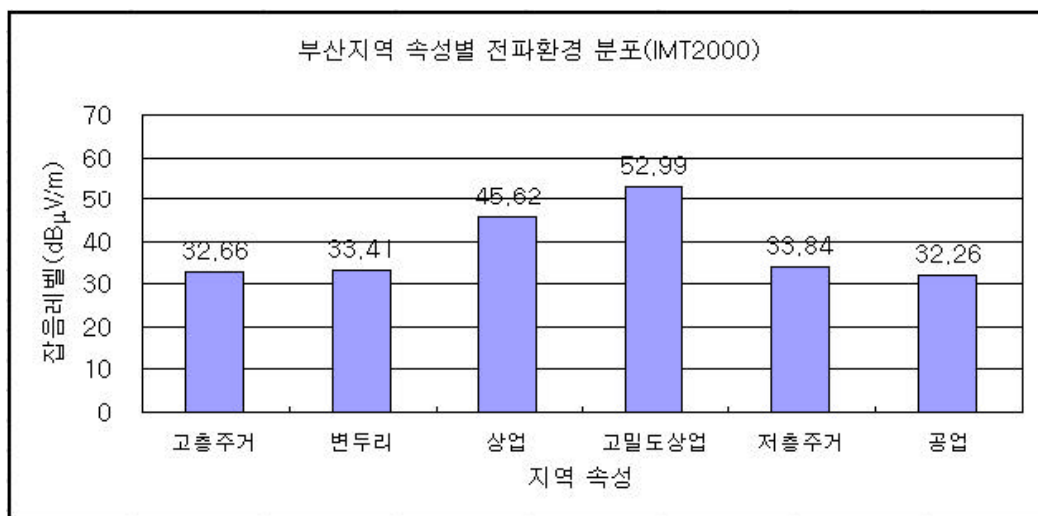
○



○ PCS



○ IMT 2000



○

가

5 10dB 가

, , ,

가

, .

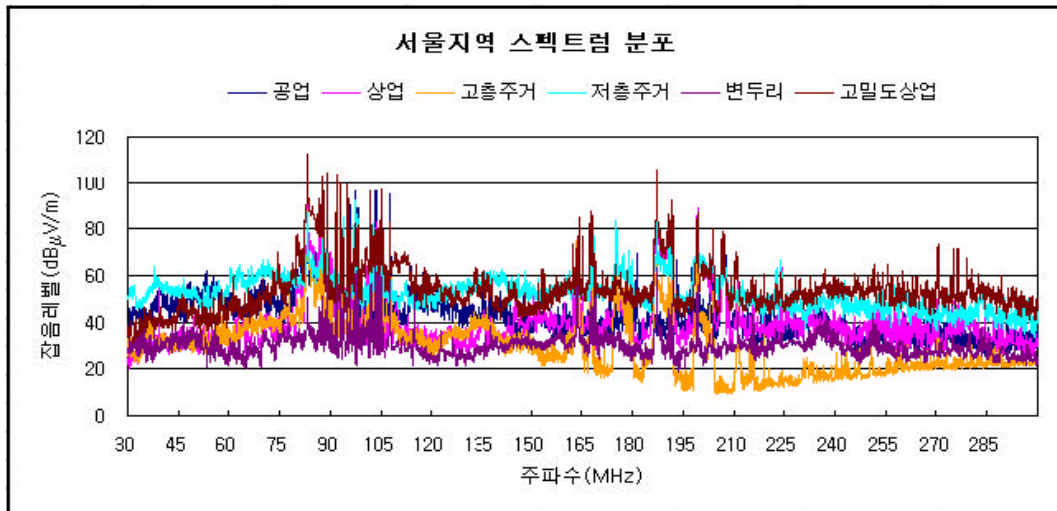
.

500

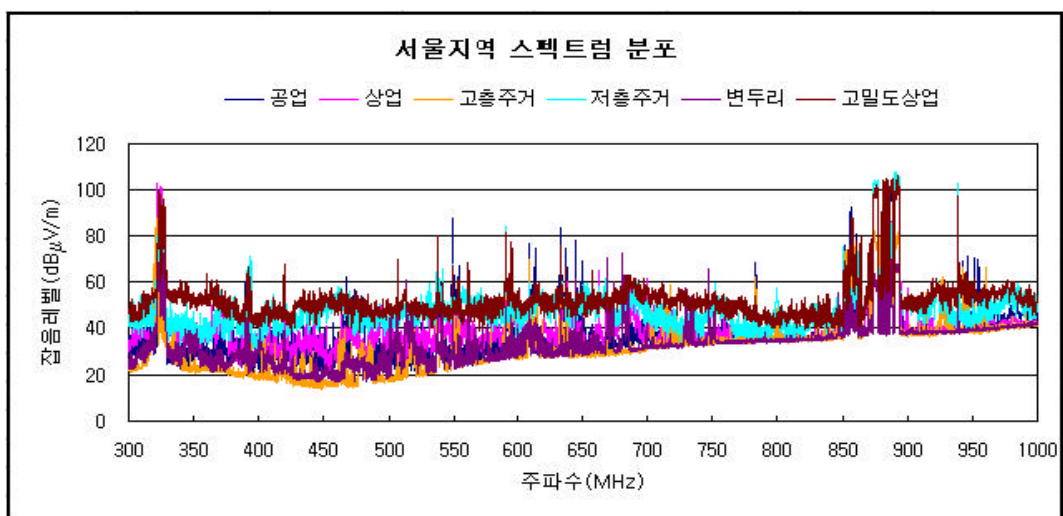
(1)

(가)

○ 30MHz 300MHz



○ 300MHz 1000MHz



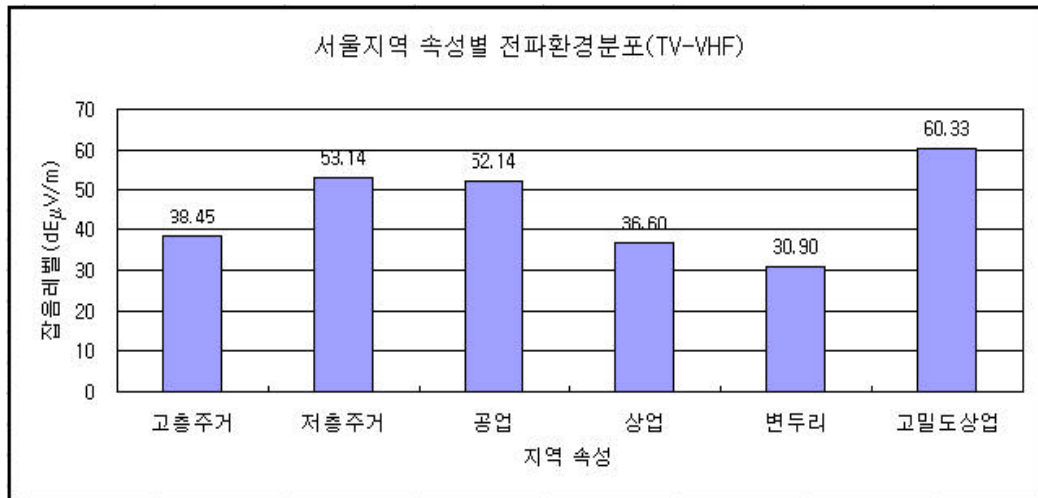
○ 5 10dB 가

200MHz

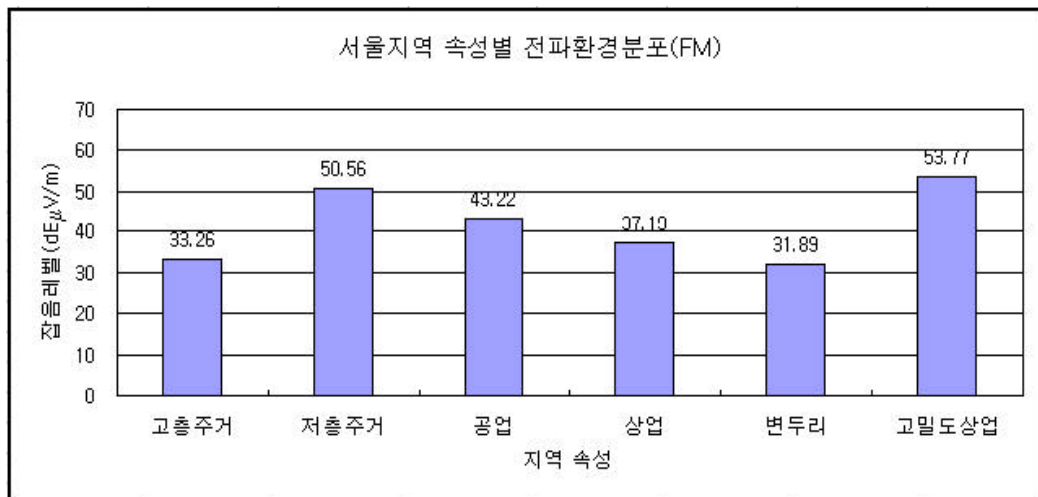
가

()

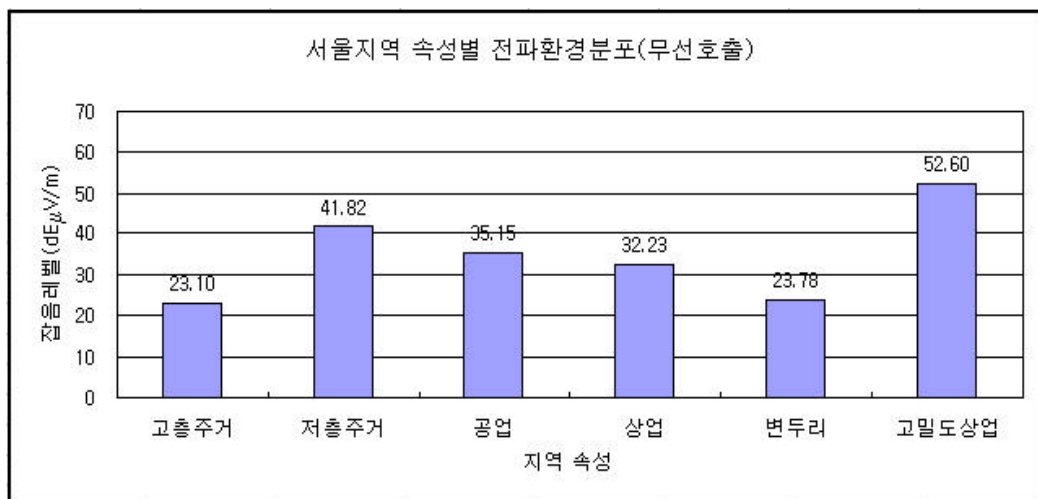
○ TV(VHF)



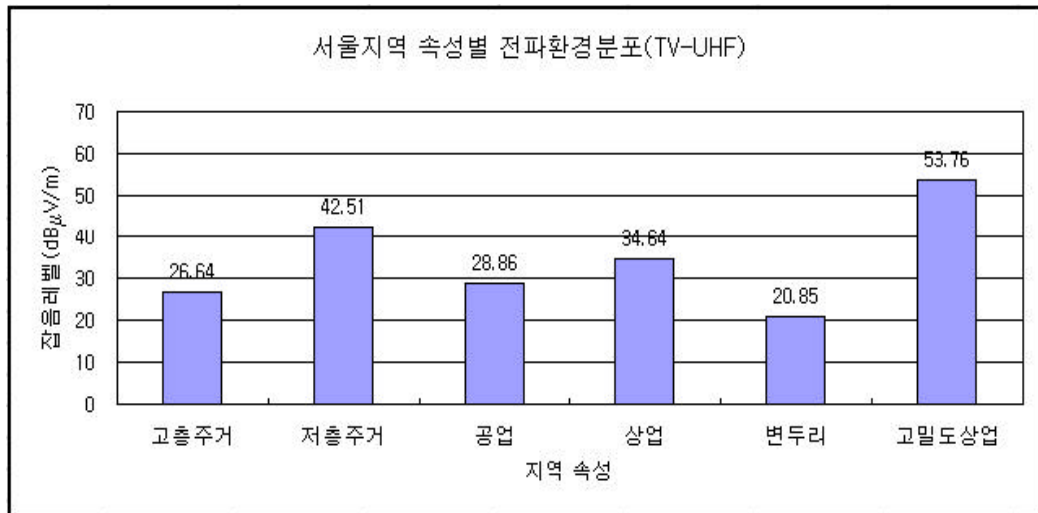
○ FM



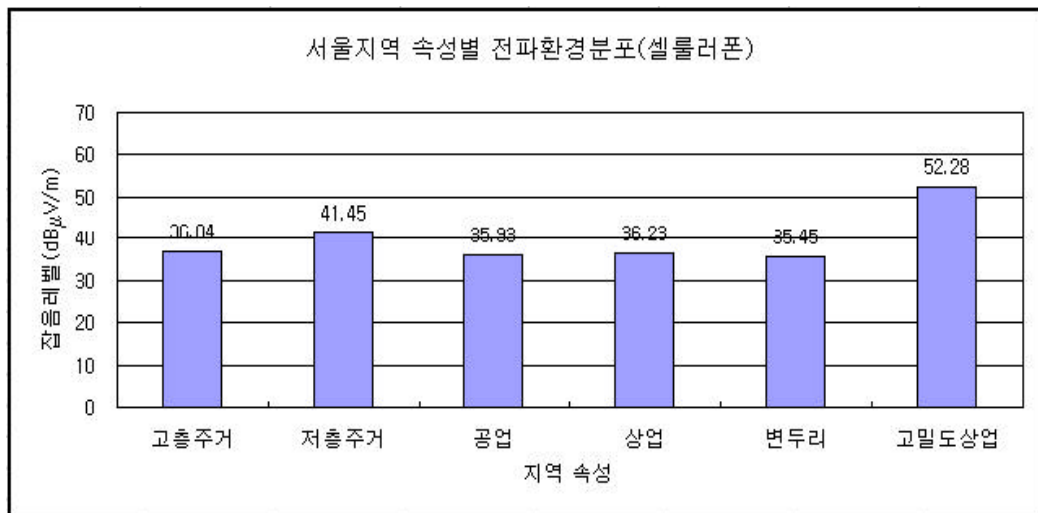
○



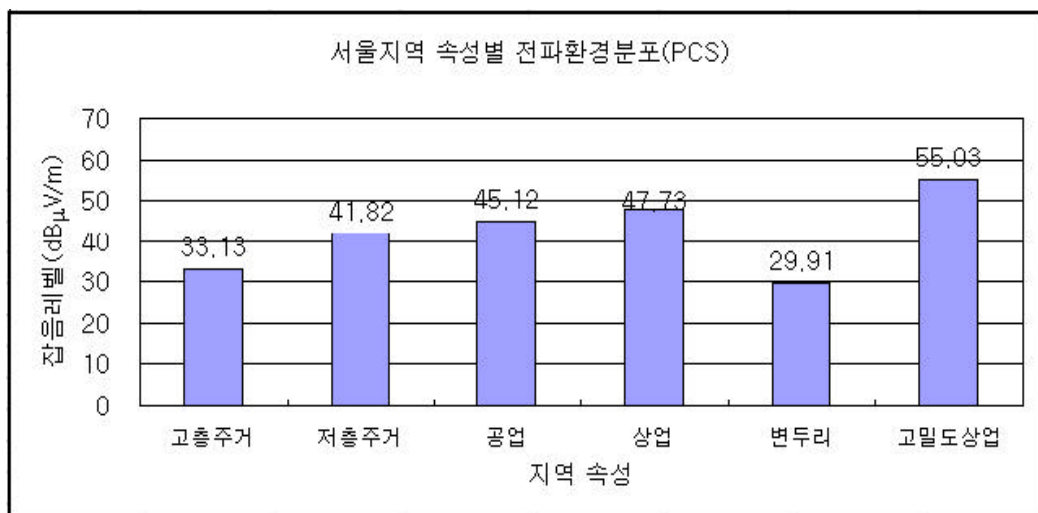
○ TV(UHF)



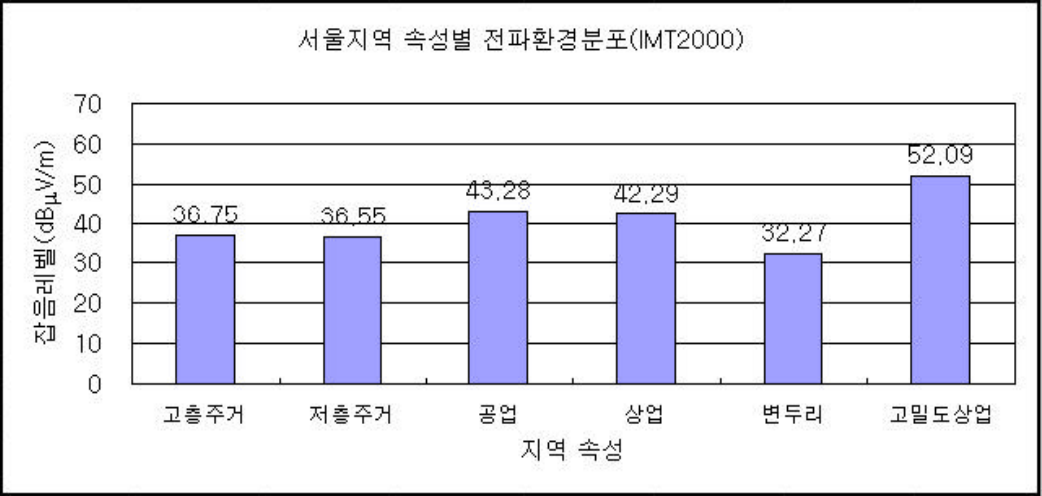
○



○ PCS



○ IMT 2000



○ 가 . 가 가 5 10dB 가 가 가 VHF TV UHF TV .

4. 가

가. FM

(1)	(MHz)				(dB μ V/m)				
	KBS2	MBC	KBS1			MBC			
	89.1	91.9	93.1	93.9	95.1	95.9	101.9	105.3	107.7
	104.11	104.08	101.15	98.51	97.46	93.25	95.92	95.90	95.38
	72.46	74.21	68.88	87.09	74.04	84.29	67.68	68.07	84.69
	82.32	93.39	85.30	63.68	84.04	67.76	81.13	75.21	63.20
가	89.48	82.44	84.23	72.05	86.06	64.55	70.40	76.84	69.98
	59.64	65.85	67.49	65.40	71.27	68.43	67.69	68.18	70.71
	74.83	68.40	62.97	77.65	69.47	75.45	65.31	65.21	65.79
	64.84	60.27	55.69	80.52	59.31	92.40	61.69	51.30	94.43
	64.45	59.21	62.48	67.35	50.89	58.46	49.72	45.69	67.39
	83.25	77.46	77.74	94.68	76.70	84.77	72.57	69.96	94.61

○ FM

가 10 20dB 가
가 가
.

(2) (PDF)

(가) (Probability Density Function)

PDF E1 E2

$P(E_1 < E \leq E_2)$, PDF $f(E)$

$$f(E) = \frac{d}{dE} F(E) = \lim_{\Delta E \rightarrow 0} \frac{P(E_1 < E \leq E_2)}{\Delta E}, \quad E = E_2 - E_1$$

, 가 PDF $f(E)$

$$f(E) = \lim_{\substack{\Delta E \rightarrow 0 \\ N \rightarrow \infty}} \frac{E}{\Delta E}$$

, E E+dE 가 d

(E) .

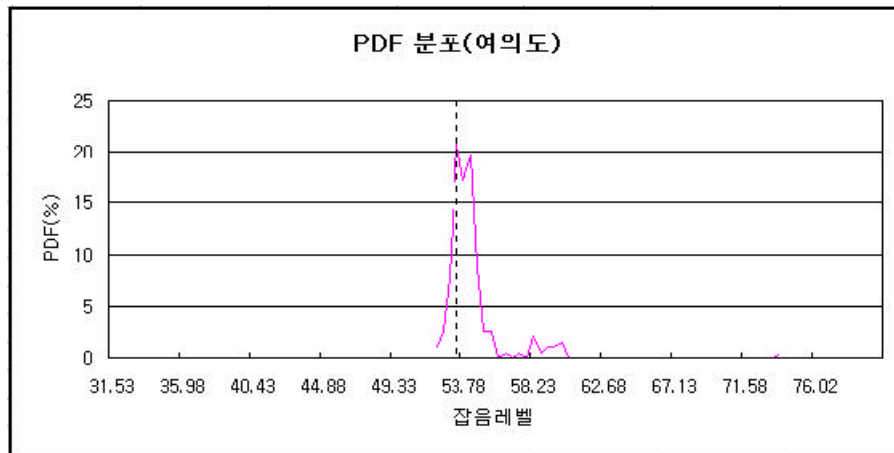
$$d\rho = \rho(E)dE$$

() PDF

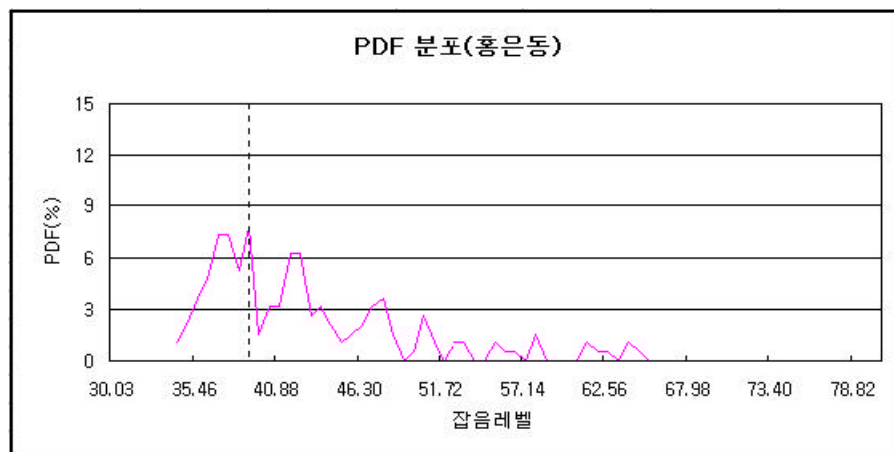
				가					
	99.3	109	96.5	99.3	106.9	109	109	109	109
PDF	53.3	38.8	39.4	33.7	38	31.6	39.5	31.5	40.5

- FM 가 PDF , 가 가

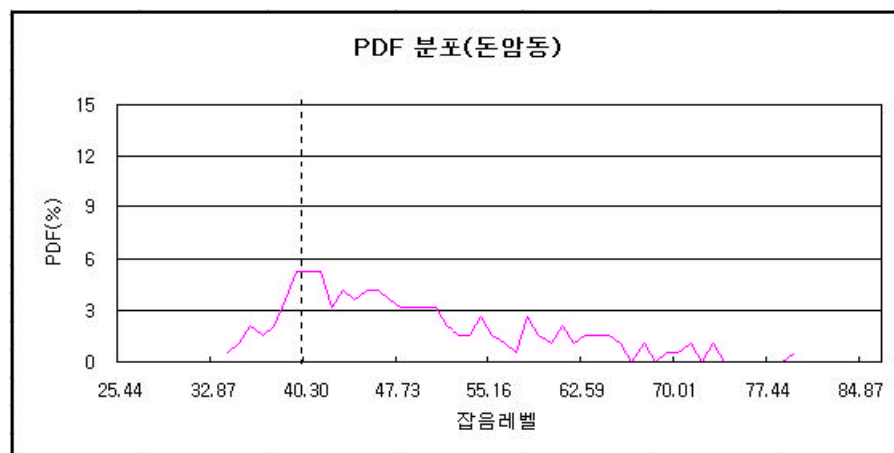
- (99.3MHz)



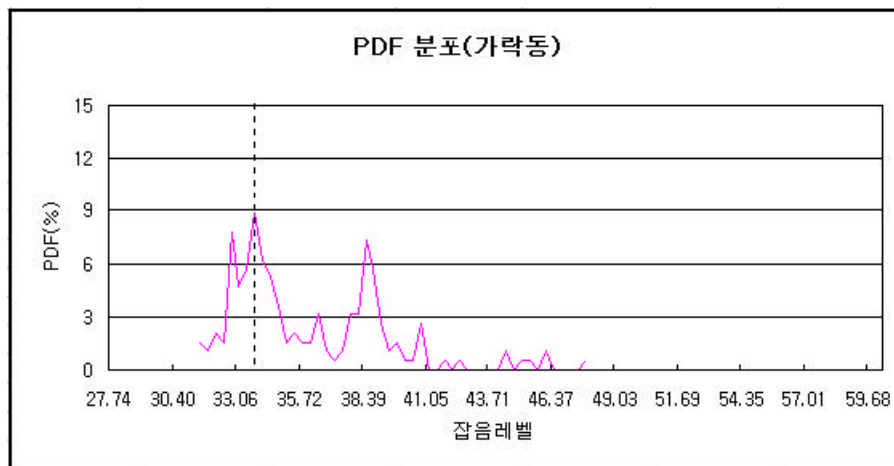
- (109MHz)



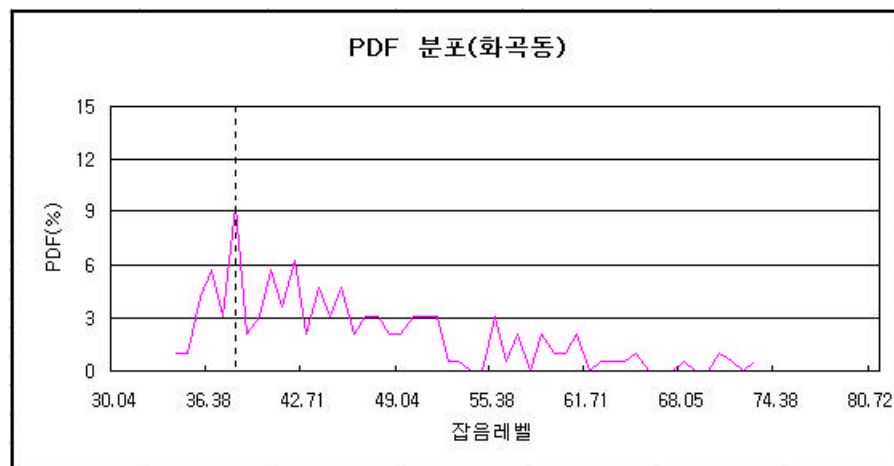
- (96.5MHz)



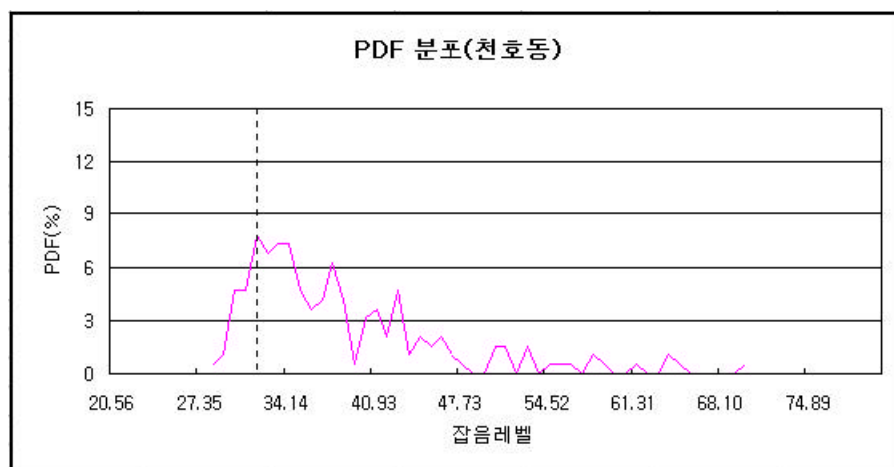
○ 가 (99.3MHz)



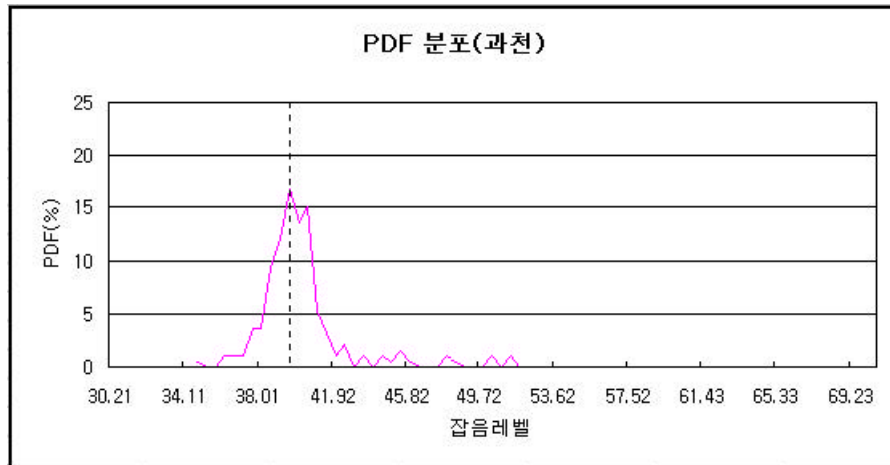
○ (106.9MHz)



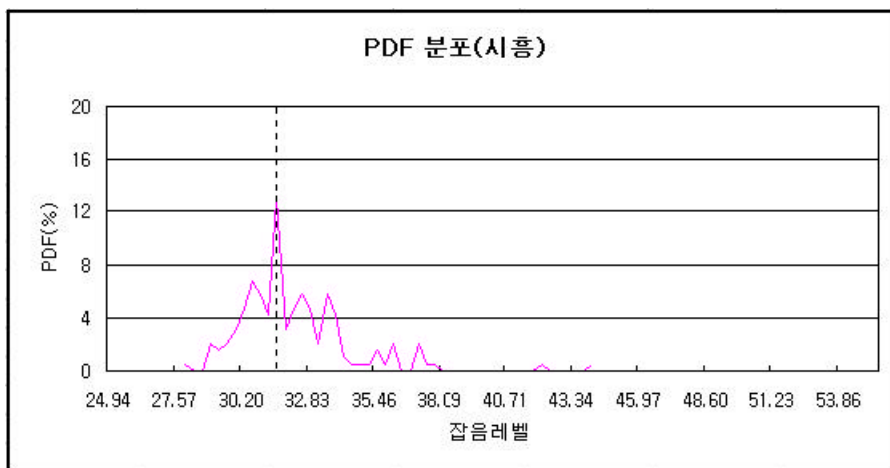
○ (109MHz)



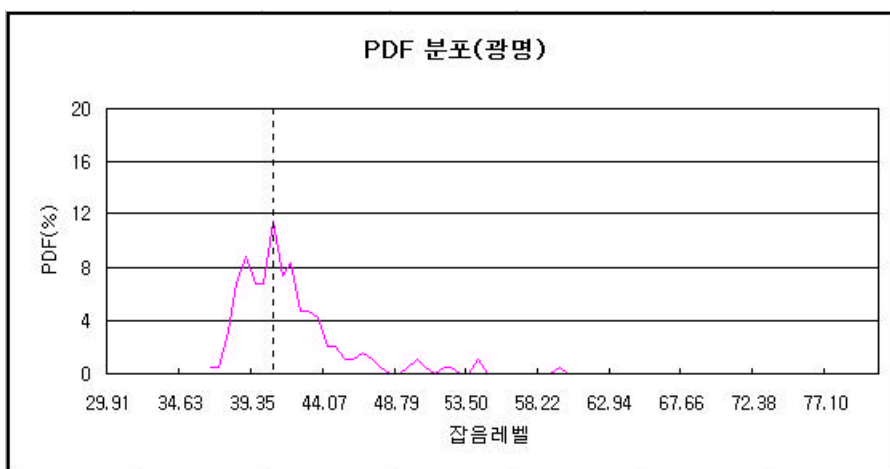
○ (109MHz)



○ (109MHz)



○ (109MHz)



(3) (: dB)

○ PDF

가

PDF

				가					
KBS2FM	50.81	33.66	42.92	55.78	21.64	43.23	25.34	32.95	42.75
MBCFM	50.78	35.41	53.99	48.74	27.85	36.80	20.77	27.71	36.96
KBS1FM	47.85	30.08	45.90	50.53	29.49	31.37	16.19	30.98	37.24
FM	45.21	48.29	24.28	38.35	27.40	46.05	41.02	35.85	54.18
FM	44.16	35.24	44.64	52.36	33.27	37.87	19.81	19.39	36.20
MBC	39.95	45.49	28.36	30.85	30.43	43.85	52.90	26.96	44.27
FM	42.62	28.88	41.73	36.70	29.69	33.71	22.19	18.22	32.07
FM	42.60	29.27	35.81	43.14	30.18	33.61	11.80	14.19	29.46
FM	42.08	45.89	23.80	36.28	32.71	34.19	54.93	35.89	54.11

○ FM 55.78dB 11.8dB

가 30 40dB .

○ 30dB

가

30dB

○ 가 30dB

20dB 가

가

가

○ (1995- 18 , '95 2 7)

.

		(mV/m)			[] dB μ V/m : 4m
		3.16 [69.8]	1.0 [60.0]	0.25 [47.8]	
TV	VHF	5.0 [73.8]	2.5 [67.8]	0.5 [53.8]	
	UHF	3.16 [69.8]			

○ , 60dB μ V
/m 가

.

. TV

(1)

	SBS	KBS2	KBS1	MBC	EBS
	83.25	175.25	187.25	199.25	211.25
	103.76	101.69	101.47	96.09	95.36
	74.50	76.68	77.82	80.96	57.81
	90.17	82.97	91.30	85.74	84.30
가	100.17	102.81	96.42	97.29	77.65
	69.72	79.30	75.29	76.66	74.07
	80.71	74.08	81.67	79.38	69.68
	549.25	609.25	537.25	633.25	645.25
	119.75	105.15	117.28	112.74	111.01
	77.19	70.84	77.33	71.14	66.61
	102.82	96.43	109.17	92.71	93.34

○

VHF TV

5km

80dB μ V/m

10km

75dB μ V/m

가

90dB μ V/m가

KBS 3

10kW

50kW

○

(2)

(PDF)

	SBS	KBS2	KBS 1	MBC	EBS
	74MHz	170MHz	183MHz	195MHz	207MHz
	55.5	35.5	51.9	56.2	54.2
	42.6	36.6	35.9	37.9	52.1
	49.9	38.7	41.6	43.1	43.1
가	40.2	36.4	50.8	41.9	34.5
	47.5	43.3	41.8	36.6	34.1
	44.3	35.9	34.5	38.8	34.9
	543MHz	602MHz	530MHz	626MHz	639MHz
	56.9	48.5	53.1	47.4	47.7
	31.4	31.5	33.1	31.4	30.8
	50.1	33.1	49.2	31.8	32.3

(3)

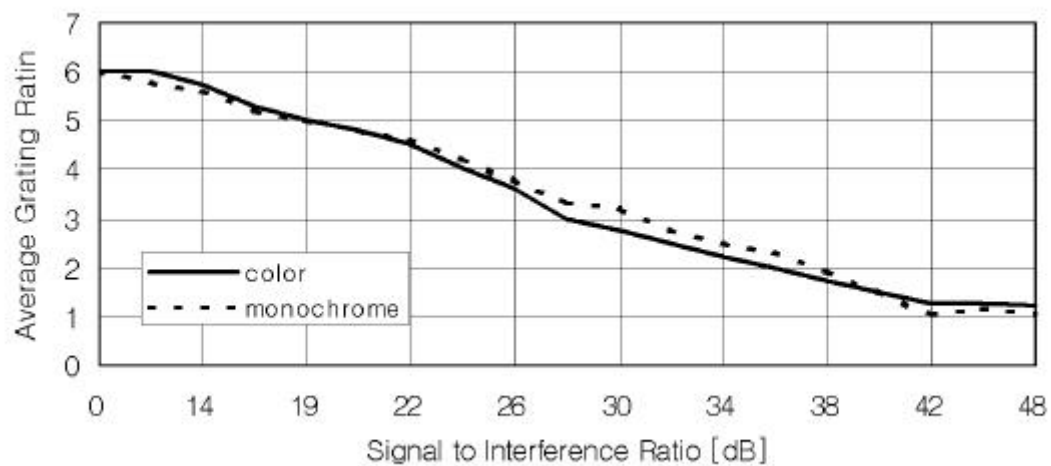
(: dB)

							가	
	S/N		S/N		S/N		S/N	
SBS	48.26	1	31.90	3	40.27	1	59.97	1
KBS2	66.19	1	40.08	1	44.27	1	66.41	1
KBS1	49.57	1	41.92	1	49.70	1	45.62	1
MBC	39.89	2	43.06	1	42.64	1	55.39	1
EBS	41.16	1	5.71	6	41.20	1	43.15	1

	S/N		S/N		S/N		S/N		S/N	
SBS	22.22	5	36.41	2	64.18	1	44.23	1	52.72	1
KBS2	36.00	2	38.18	2	62.85	1	45.79	1	63.33	1
KBS1	33.49	3	47.17	1	56.65	1	39.34	2	59.97	1
MBC	40.06	1	40.58	1	65.34	1	39.74	2	60.91	1
EBS	39.97	2	34.78	3	63.31	1	35.81	3	61.04	1

○ FCC , , 가 , , , 가 1 , , , . EBS 가 .

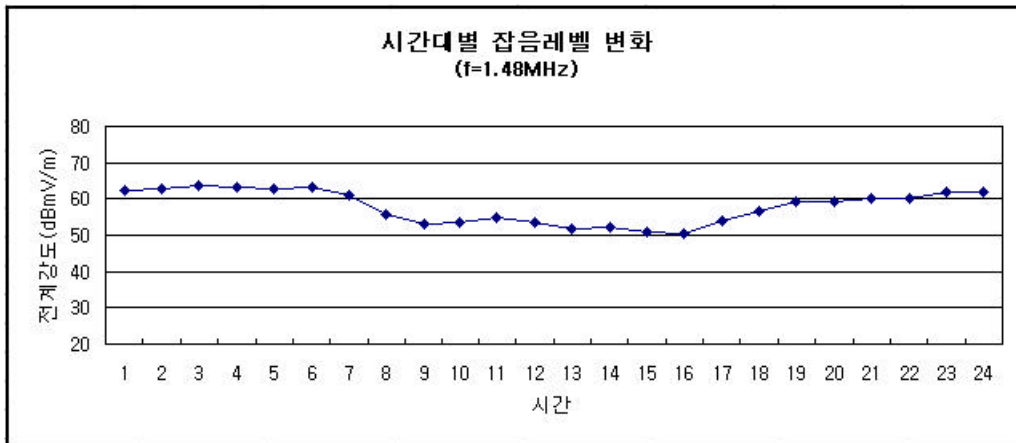
○ TV Engineering Aspects of Television Allocations, Television Allocation Study Organization(TASO), report to FCC, Mar. 16, 1959.



5.

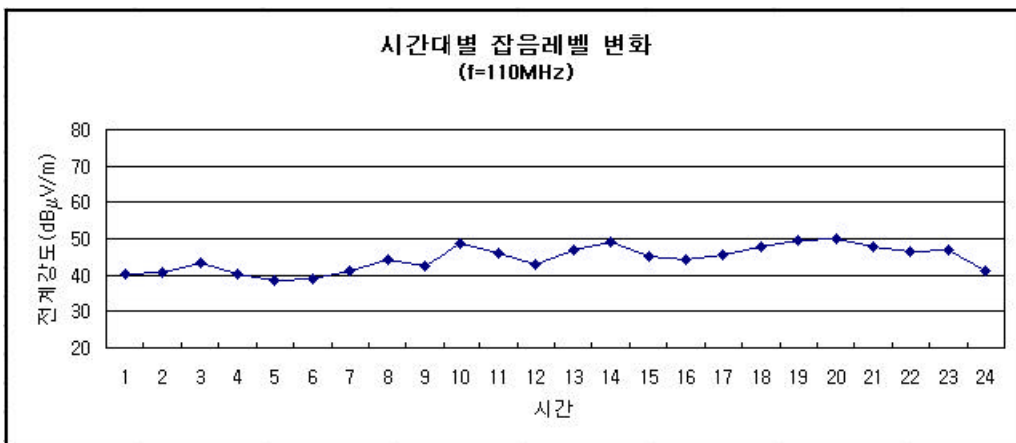
가. 50 :

(1) 1.48MHz



○ 10dBμV/m 가 가 .

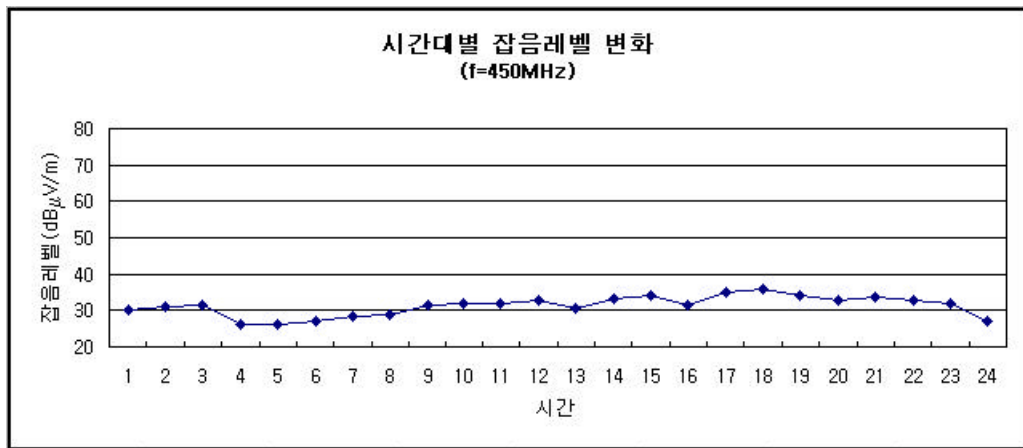
(2) 110MHz



○ .

dBμV/m 가

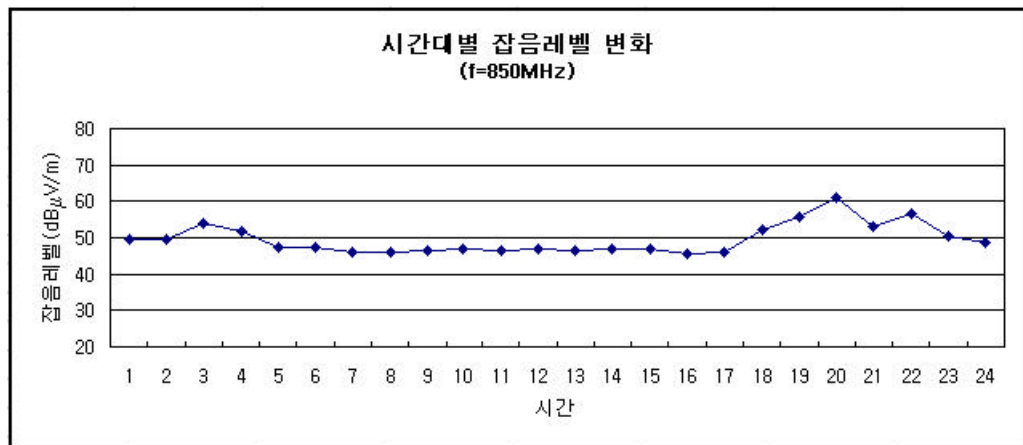
(3) 450MHz



○ UHF 가 10dBμV/m 가

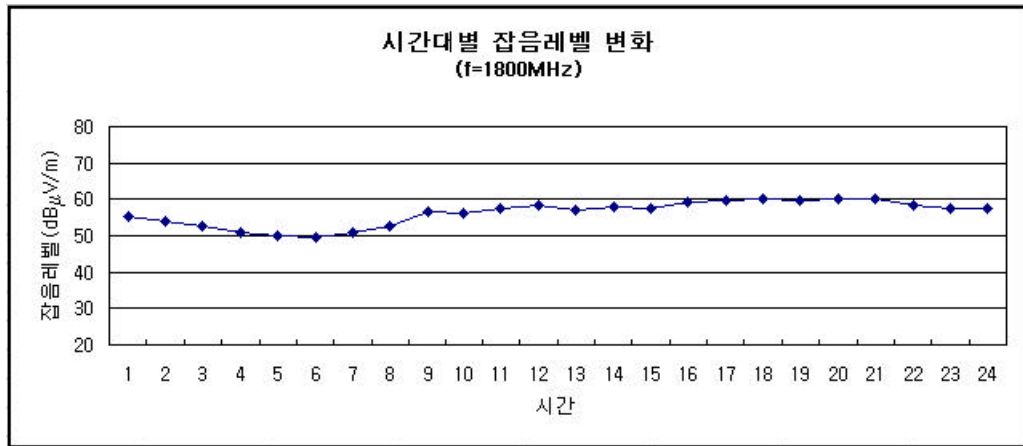
5dBμV/m 가

(4) 850MHz



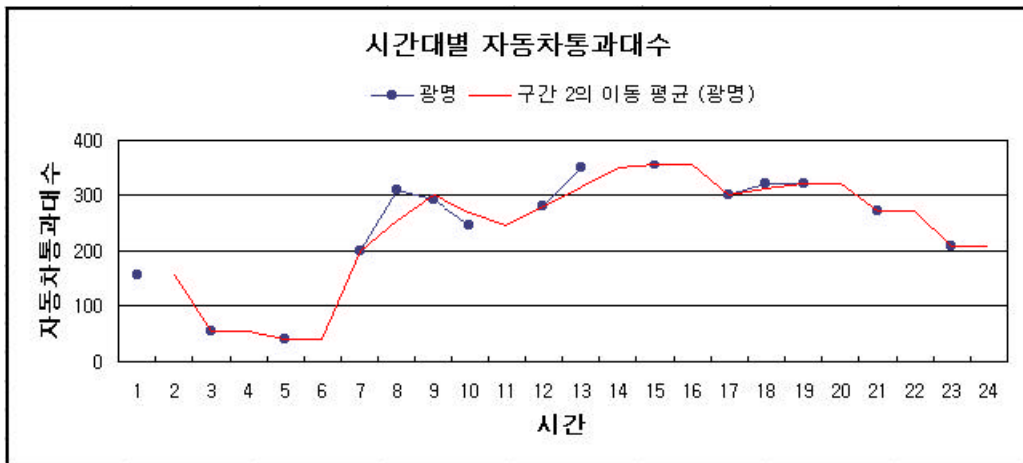
○ 15dBμV/m 가
가

(5) 1800MHz



○ 가 가 가 가
가 PCS
가 .

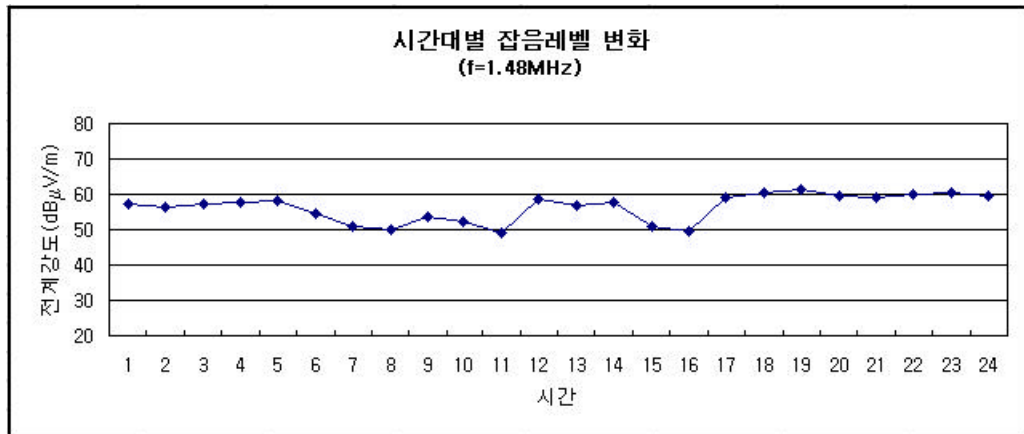
(6)



○ 가 50 가 가
가 3 가
가 110MHz
가
가 300MHz
가 .

. 50 100 :

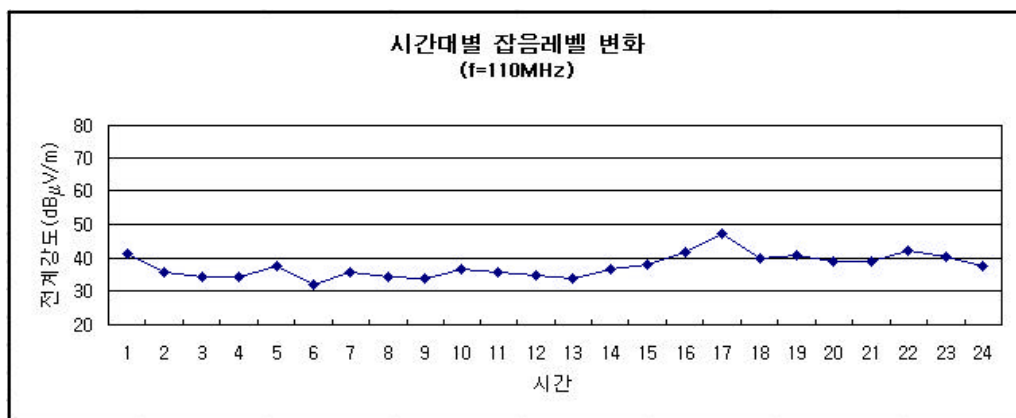
(1) 1.48MHz



○ 가 가

가

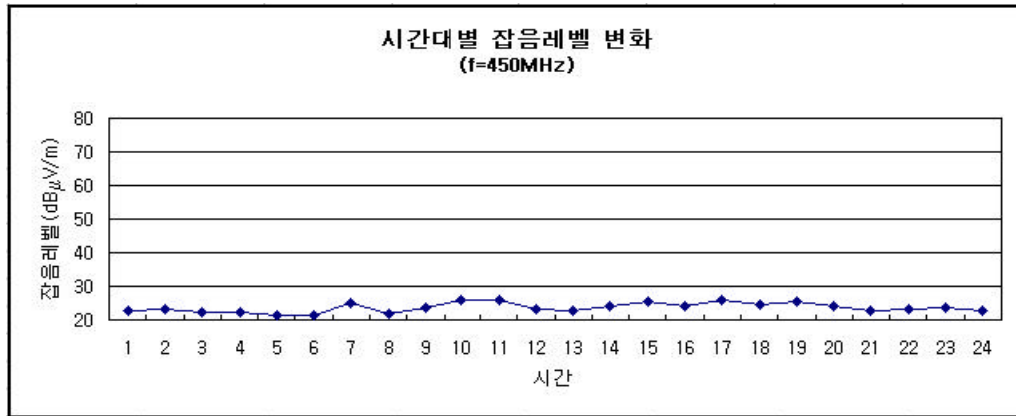
(2) 110MHz



○

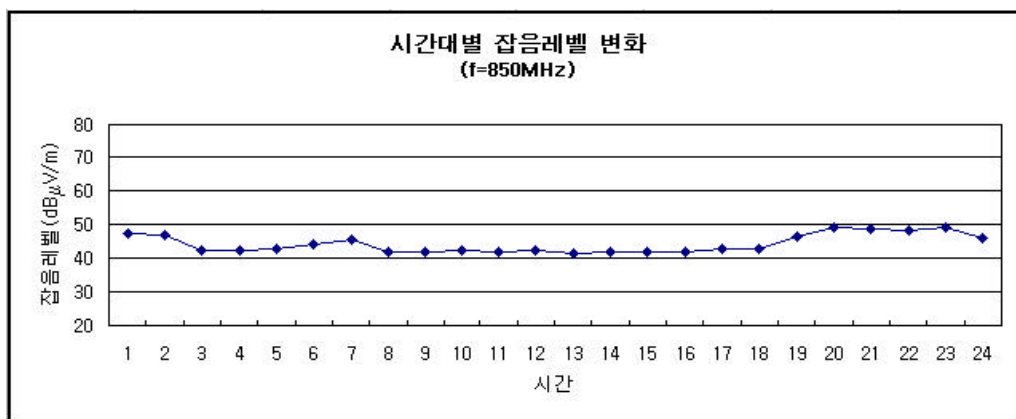
가

(3) 450MHz



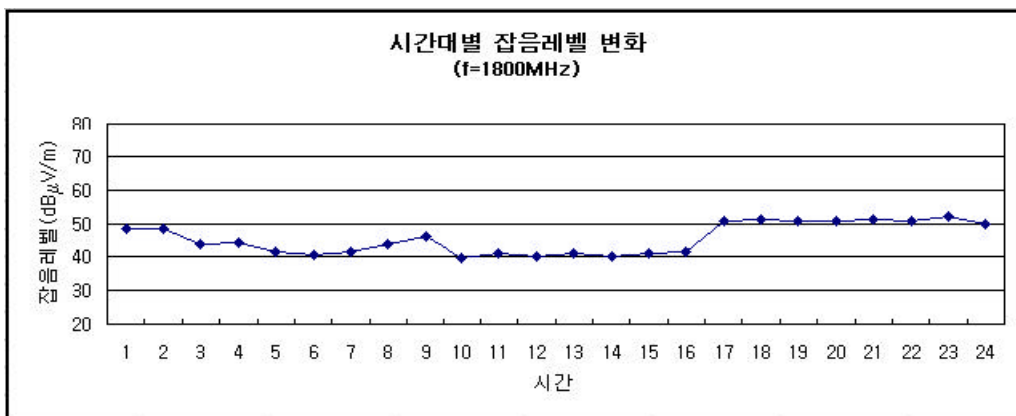
○ 가

(4) 850MHz



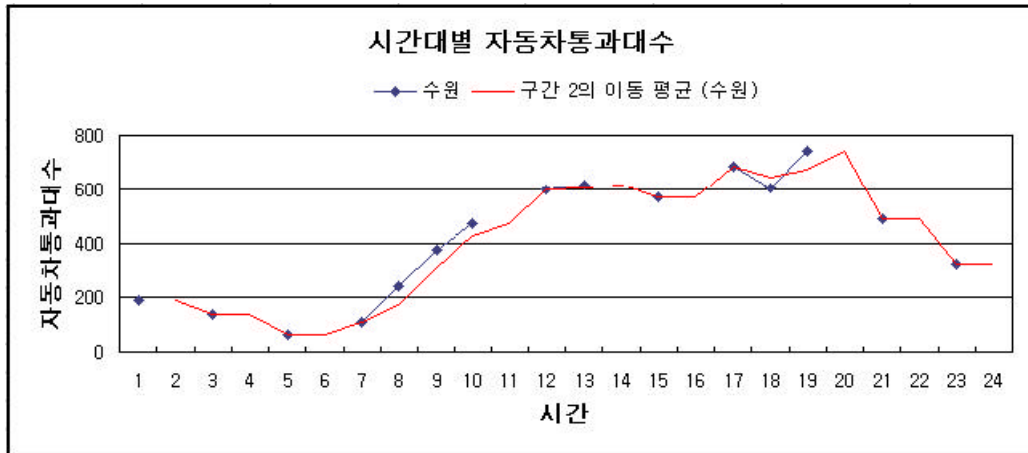
○ 가 가 10dBμV/m 가

(5) 1800MHz



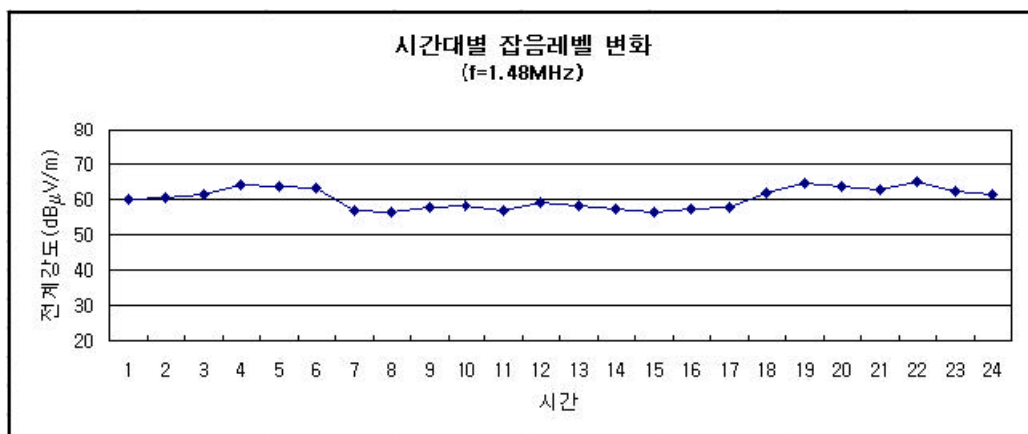
○ 가 10dB μ V/m
 가 PCS 가 가
 가 .

(6)



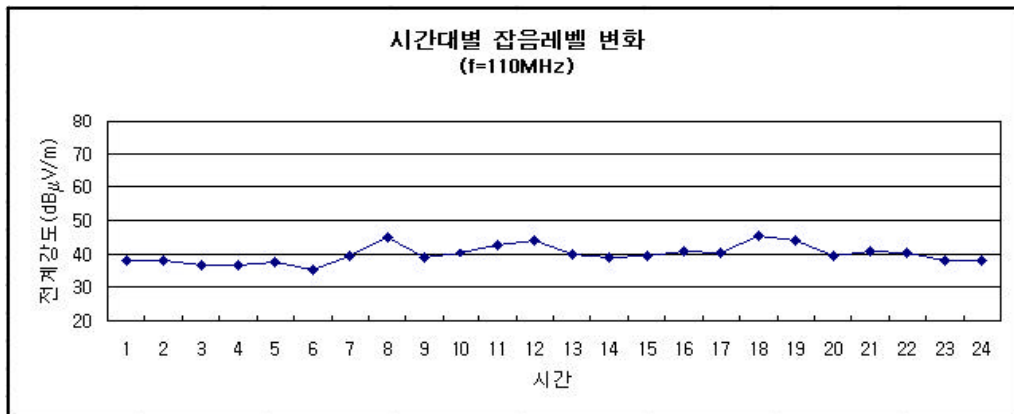
○ 가 가 가 2
 가 . 가 110MHz 가
 가 .

. 100 1000 :
 (1) 1.48MHz



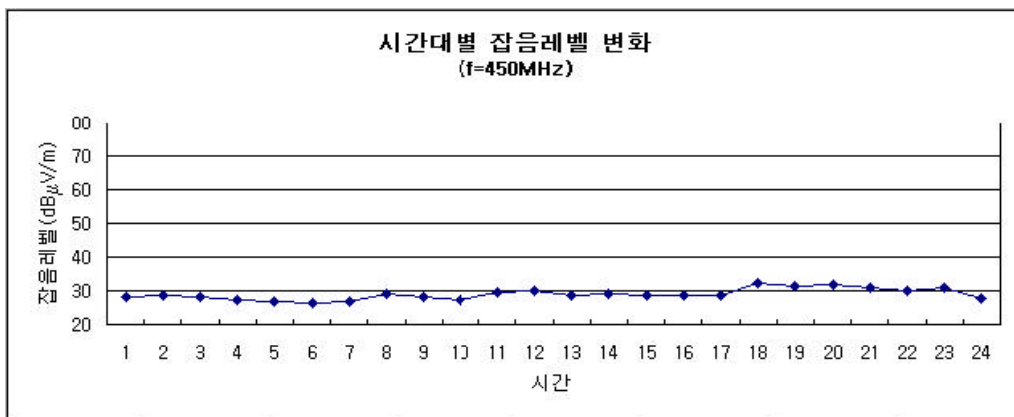
○ 가 .

(2) 110MHz



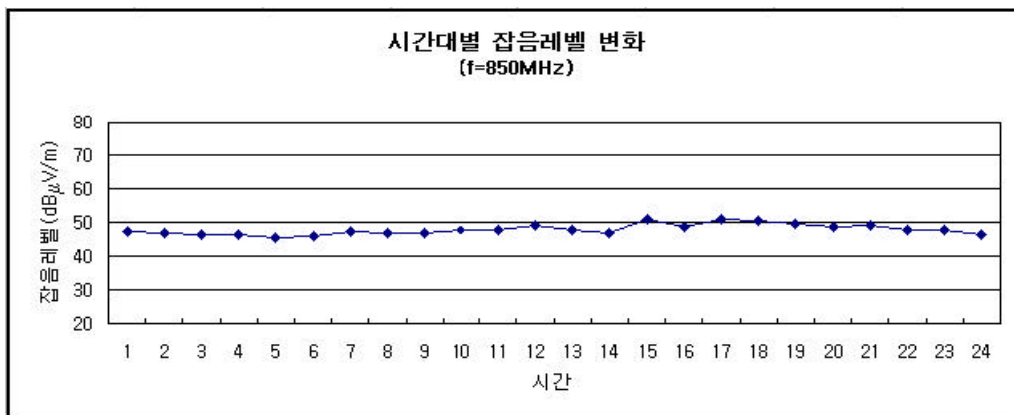
○ 가 , ,
5dBμV/m 가 .

(3) 450MHz



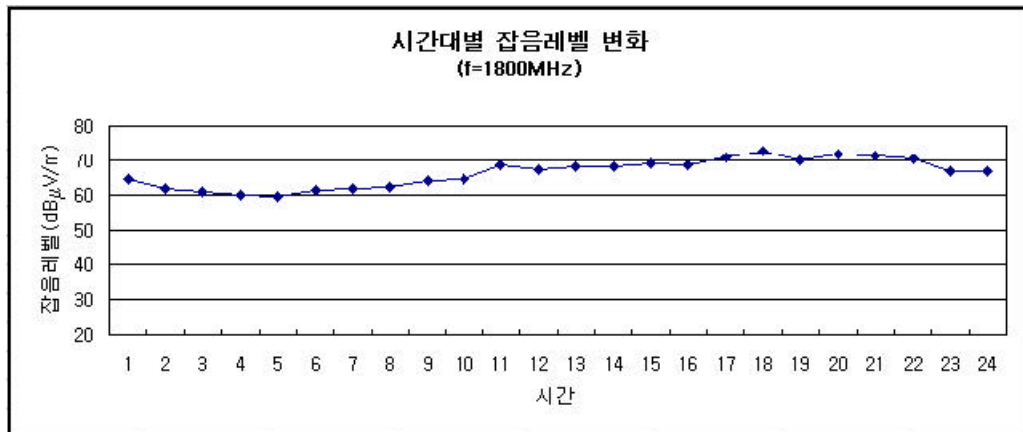
○ 3dBμV/m 가 가 .

(4) 850MHz



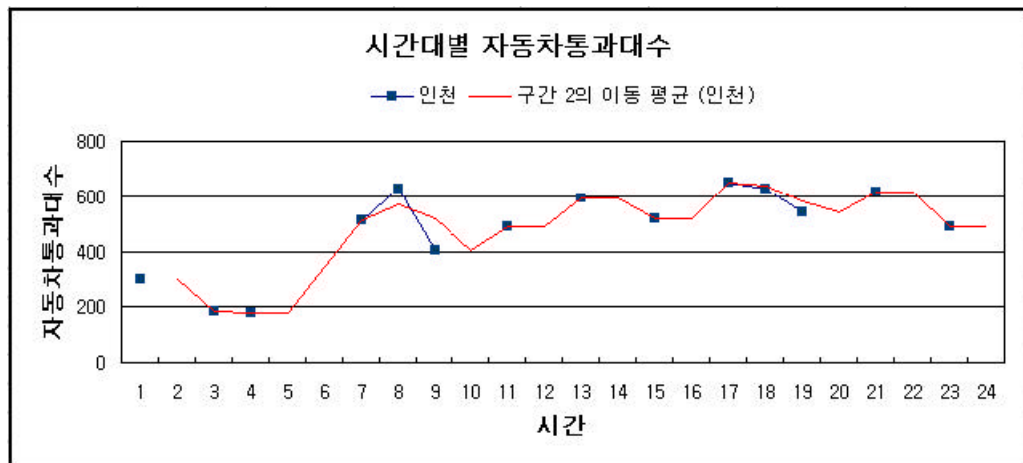
○ 가

(5) 1800MHz



○ 가 가 가
PCS

(6)



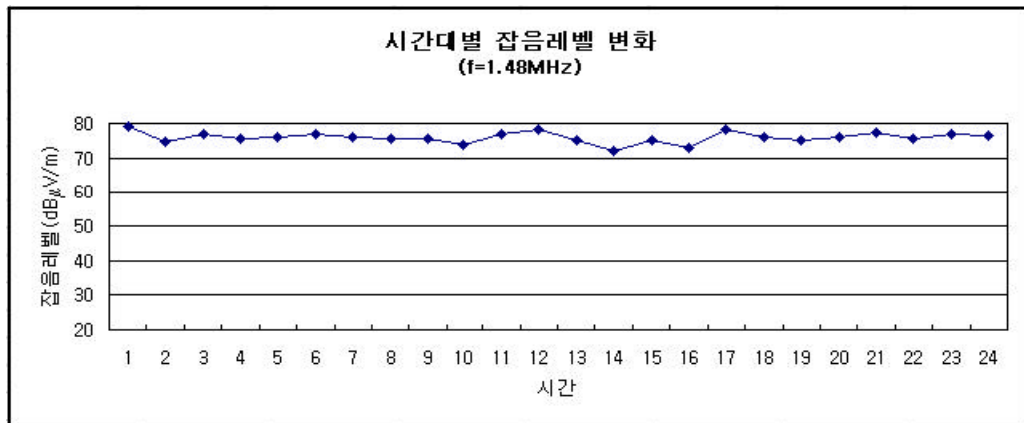
○ 가

110MHz

5dBμV/m

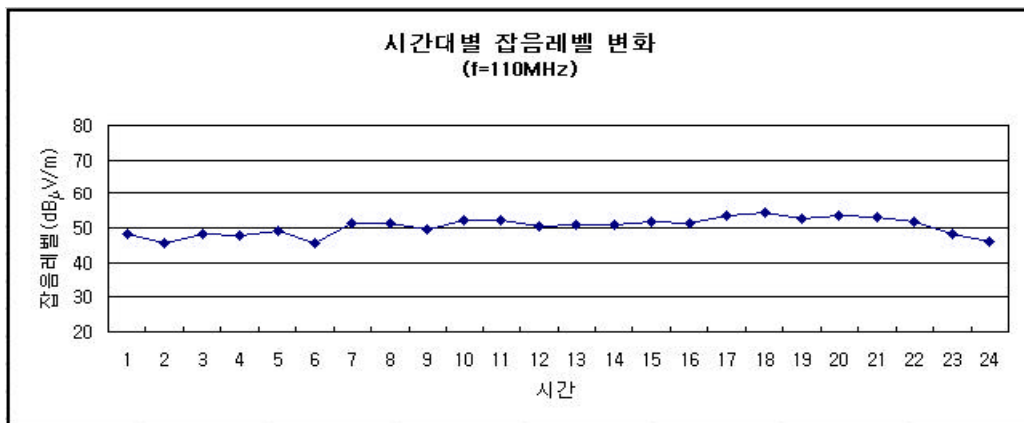
. 1000 :

(1) 1.48MHz



○ 가

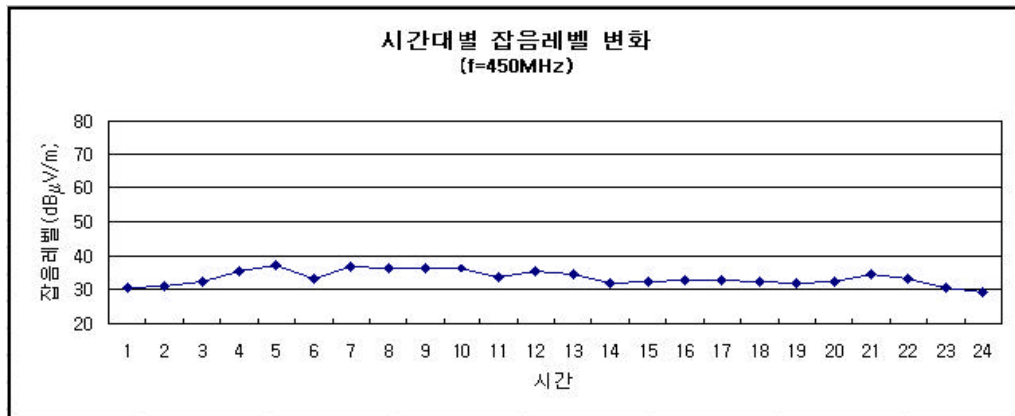
(2) 110MHz



○ 가 5dBμV/m가 가

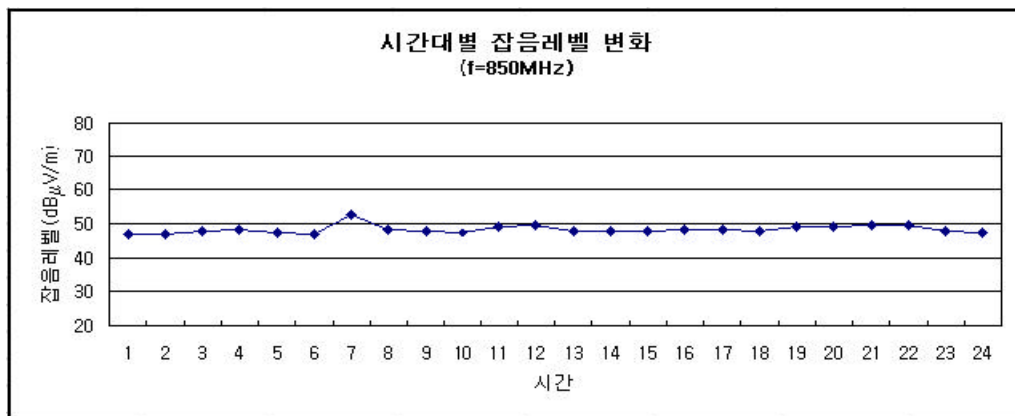
가 5dBμV/m 가 가 .

(3) 450MHz



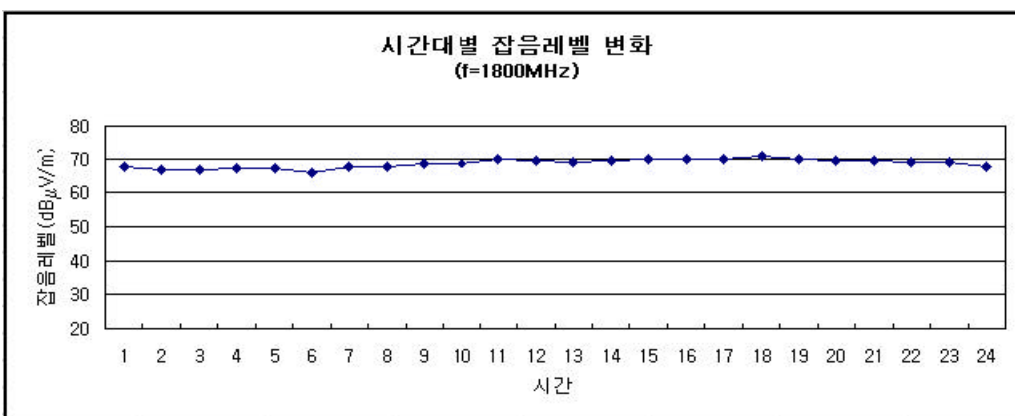
○ 가
5dBμV/m

(4) 850MHz



○

(5) 1800MHz

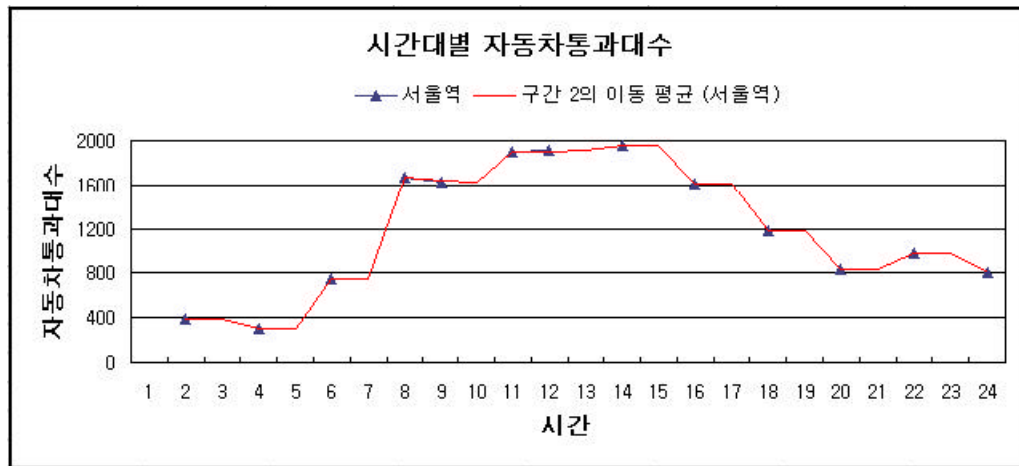


○

가

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(6)



○

가

가

가

3

가

가

가

110MHz

가

10dB μ V/m가

가

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3

□

, (28) 40 5

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UHF

VHF TV

FM

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10dB μ V/m

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□

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가 가

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300MHz

가

가

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가

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가

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VHF

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□ , 가

S/N 가
가

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20 30dB μ V/m 가
TV

FM

UHF

가

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□

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10dB μ V/m

100MHz

가

. UHF

가

3 5dB μ V

/m 가

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□

dB

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가

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