

( )

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2007 10 30

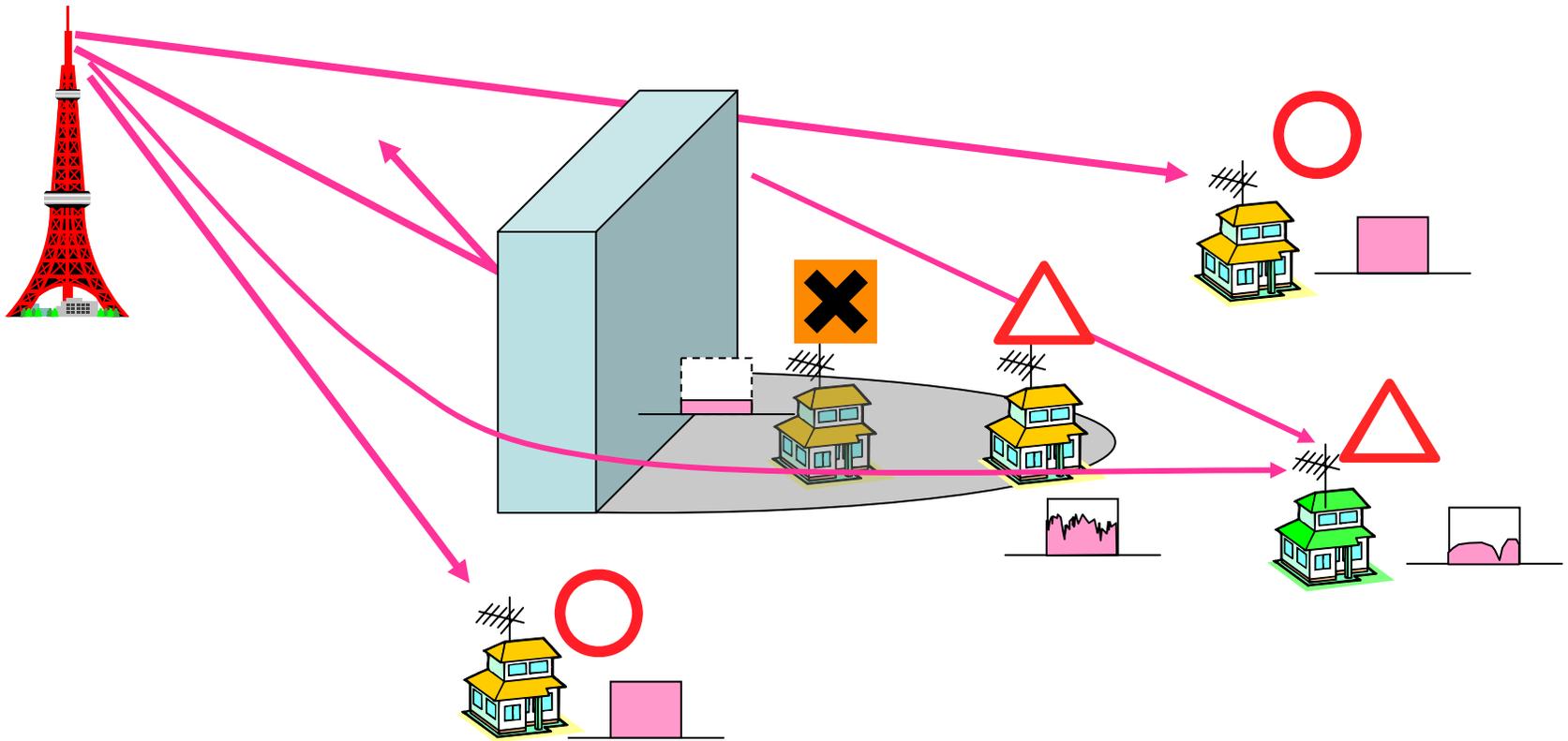
( )

		( )
	14 10m 0dBμ V/m	14 10m 60dBμ V/m
	CATV SHF NHK BS2	CATV <b>SFN-GF</b>
	MFN	SFN MFN
	SD	

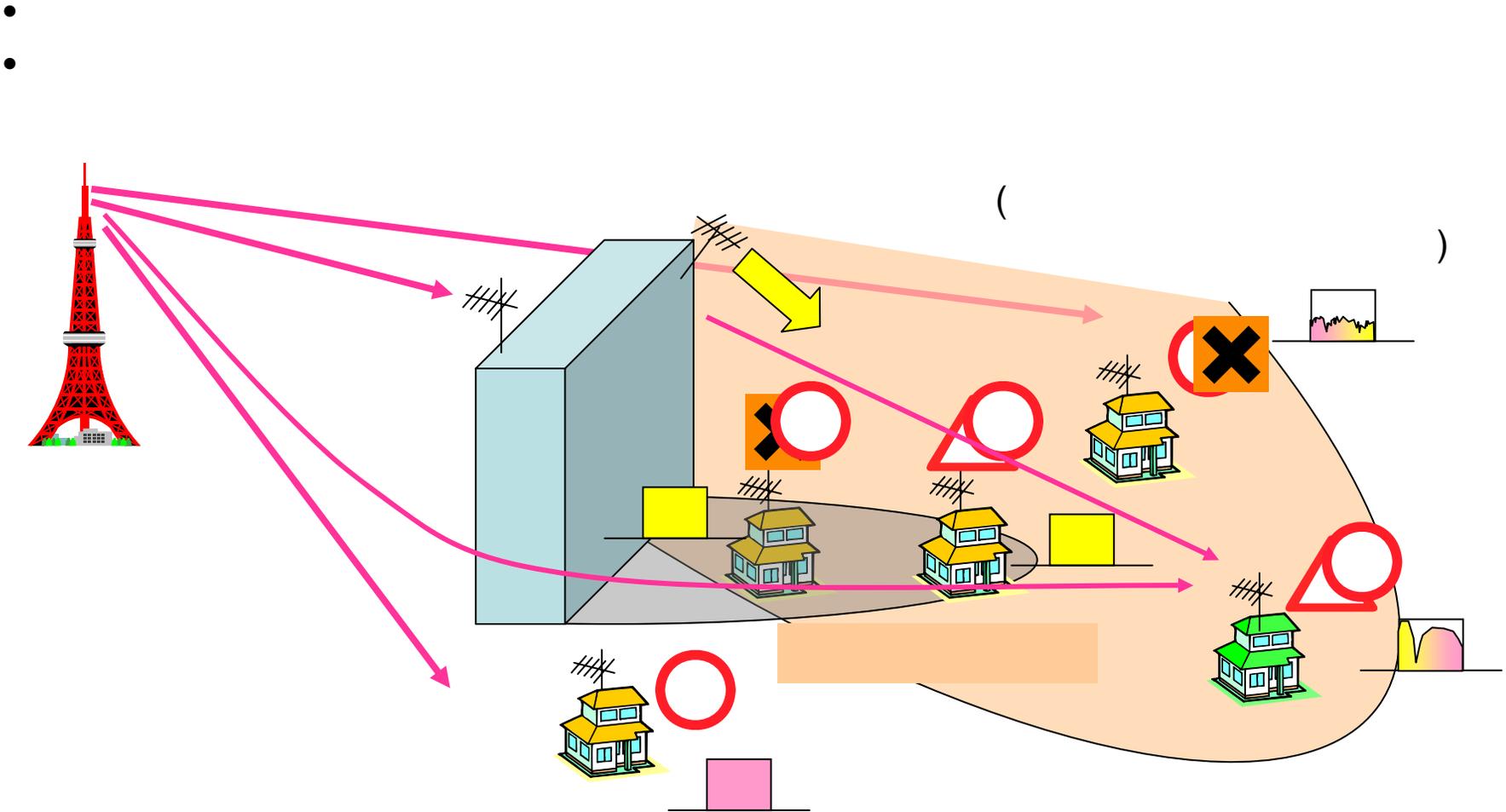
			GF		
			SFN	MFN	
( )					
( )					
SFN DD			?		
				x	
				x	
				x	
				x	
				x	

MFN ( ) MFN x

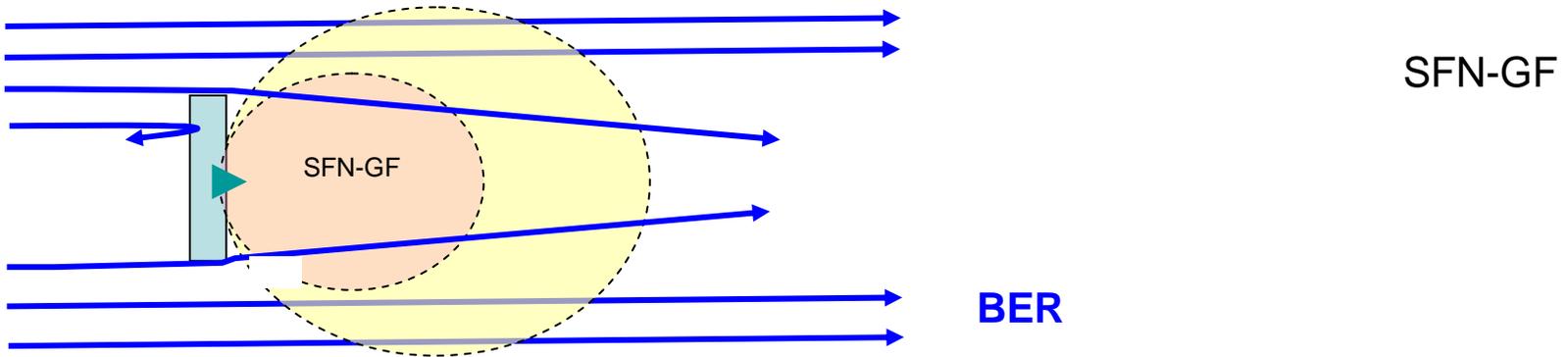
?



# SFN-GF



60dB $\mu$ V/m		SFN-GF
BER	D/U	
$2 \times 10^{-4}$	SFN-GF	CATV



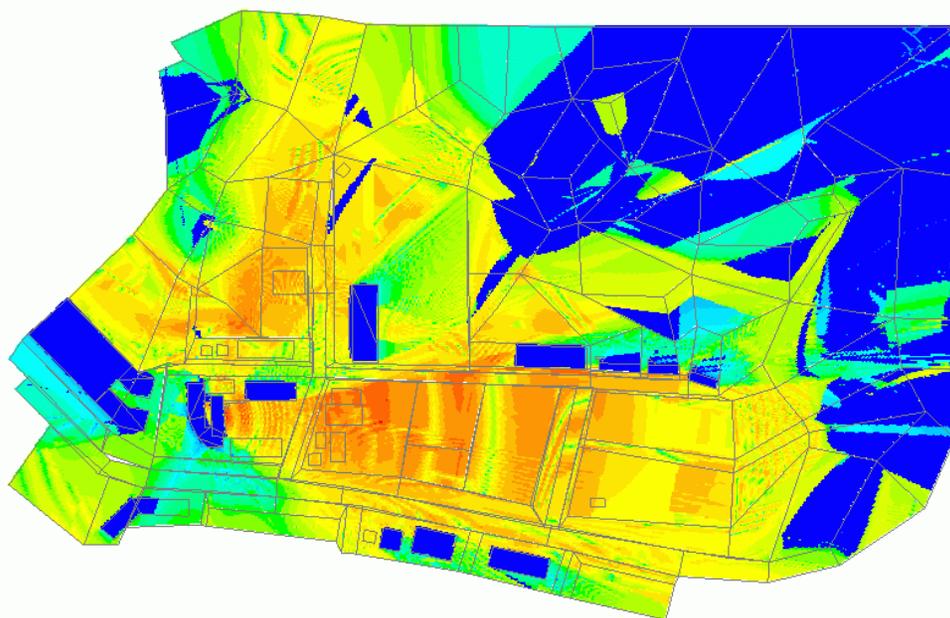
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		NHK
FDTD		
		NICT

NICT  
YRP

0.5W

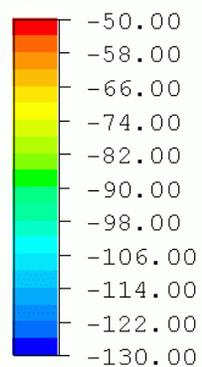
( 1m )



300m



power (phase)  
[dBW]





2007. 10. 30 ARIB

1

D-D

D/U

C/N  
C/N

C/N 20.1dB

3/4

×

C/N 17.4dB

18.1dB

C/N=20dB

C/N

D/U

C/N

D/U

17.4dB

17.8dB

D/U

D/U

D/U

2

D/U

C/N

D/U

0dB

3/4

SFN

D/U 20dB 3/4 300μ s  
D/U GI D/U 0dB  
SFN  
D/U

**3**

DD

SFN

∅

50mw

∅

∅