
**Interference from Unlicensed Devices in the The
Broadcast Bands –
Fixed Access Network Analysis
Re: FCC NPRM ET Docket No. 04-186**

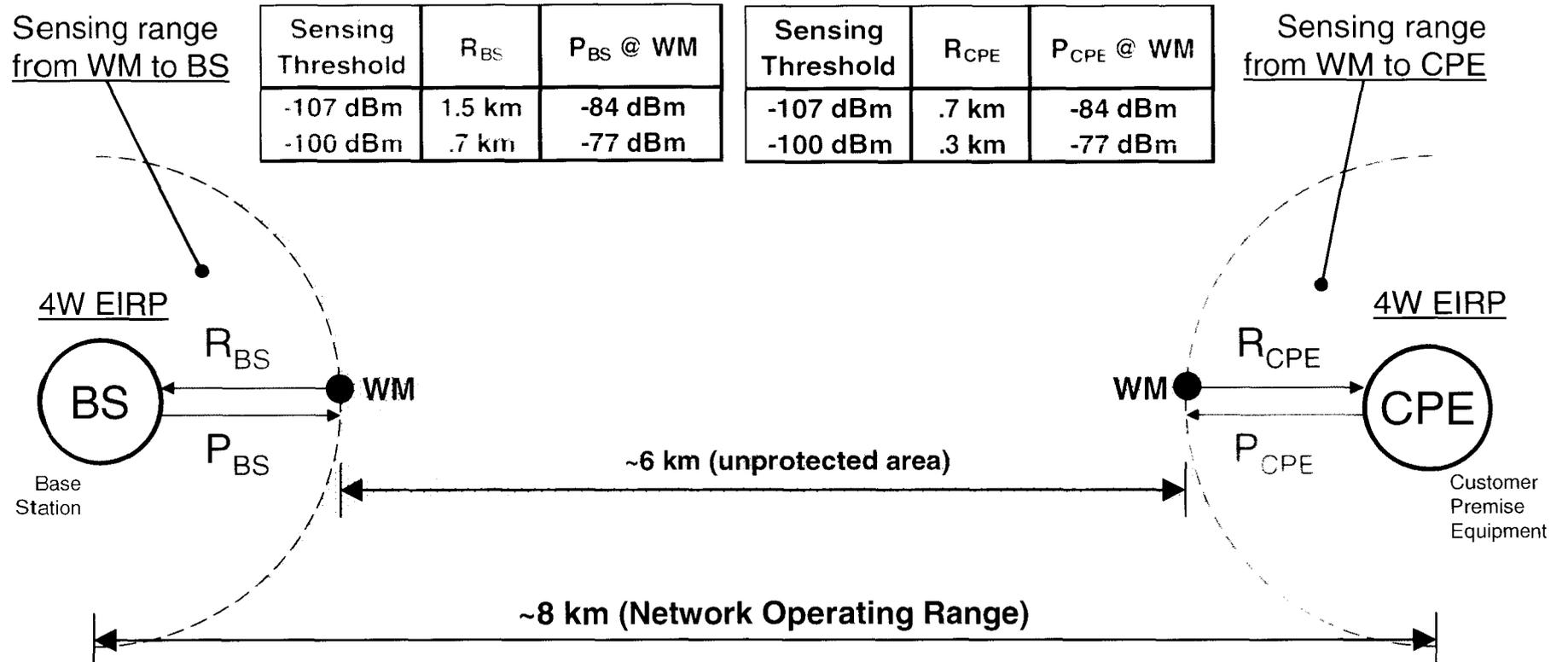
SHURE INCORPORATED

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Sensing a Wireless Microphone (WM) from a 4W (EIRP) Fixed Access Network



Base Station:

Height = 37.5 m
 TX Power = +30 dBm (1 W)
 Ant. Gain = +6 dB
 Cable Loss = -3 dB
 $P_{LB} = +33$ dBm

Wireless Microphone WM:

Height = 1 m
 TX Power = +10 dBm (10 mW)
 Ant. Gain = +0 dB
 Cable Loss = +0 dB
 $P_{LB} = +10$ dBm

CPE:

Height = 10 m
 TX Power = +30 dBm (1 W)
 Ant. Gain = +6 dB
 Cable Loss = -4 dB
 $P_{LB} = +32$ dBm

