













How	do the	ey comp	are?			U N F o
Wireless br	oadband tee	chnologies				
Technology	Availability	Standard To	tal capacity	Typical capacity/speed	Typical maximum	Line of sight
			(Mbps)	per user (Mbps)	range (km)	required?
Fixed WiMAX	End-05	IEEE 802.16-2004	4 70	2-10	10	Yes
Mobile WiMAX	End-06	IEEE 802.16e	70 per	2-3 portable, 1-2 mobile	5	Depends on
		(draft standard)	channel			band and
						application
HSDPA	End-05	3GPP	14	1-2	5	No
TDD	Deployed	3GPP	12	1-2	5	No
Sources: Ovum, 3G M	lobile					
T	Romotir	ng, the global succ th	ess of ird generati	on mobile	-BDT Regional Semi robi, Kenya 9-12 Maj	inar y 2005

Source: Nokia		20042005	20062007	20072008	200810
	EDGE	UL 100-200 kbit/s DL 200-300 kbit/s			
Cellular Access	WCDMA	UL 384 kbit/s DL 384 kbit/s	HSDPA DL 3.6 Mbit/s	HSUPA/HS UL 1…2Mbi DL 14 Mbit/s	DPA HSDPA/HS t/s UL 5 Mbit/s s
	CDMA2000	1xEV-DO DL 2.4Mbs UL 153kbs	1xEV-DO DL 3.1 Mbs UL 1.8 Mbs		
Broad band Access	WLAN	1154 Mbit/s			
	802.16-2004 (WiMAX fixed)	14 Mbit/s			
	802.16-e (WiMAX nomadic/Mob)		estimated tim tbd bit/s	ing DL 14	Mbit/s
	802.20 Standardisation still on-going				estimated timing ? tbd bit/s







