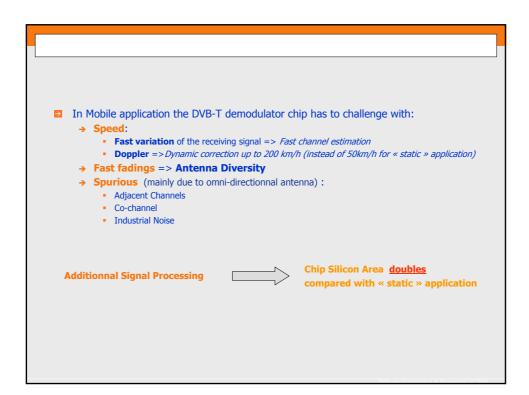
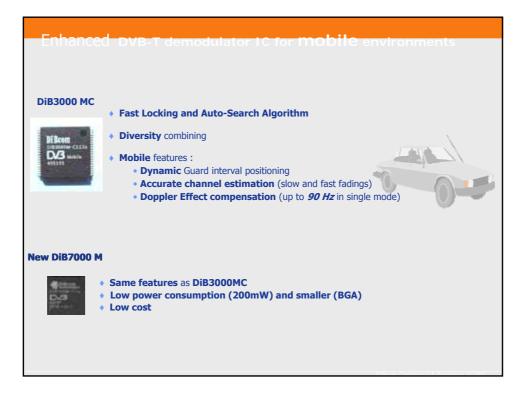


Project name	Tested application	Conclusion
VALIDATE (98)	DVB-T	DVB-T is usable in fixed application
MOTIVATE	Mobile DVB-T	DVB-T mobile is possible in QPSK
MCP (2000)	Mobile DVB-T in cars	DVB-T mobile is possible for all modulations with Diversity
confluent 2002	Integrated Mobile DVB-T receivers	<i>DVB-T mobile Diversity receivers</i> <i>tested with success in cars, up to</i> <i>150 km/h</i>
instinct 2004	DVB-H / DVB-T integrated receivers	DVB-H tested with success in indoor and outdoor with early prototypes
2005	DVB-H tests (continuation of the DVB-H Validation Task force)	Results in 2006

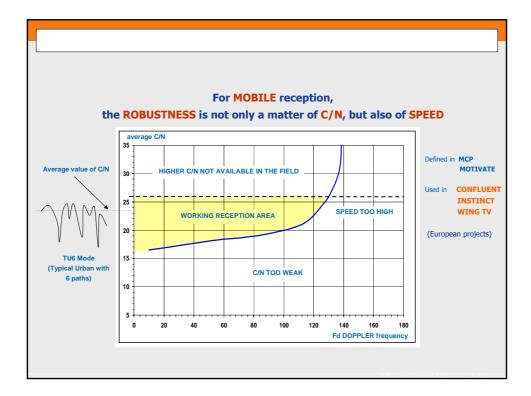


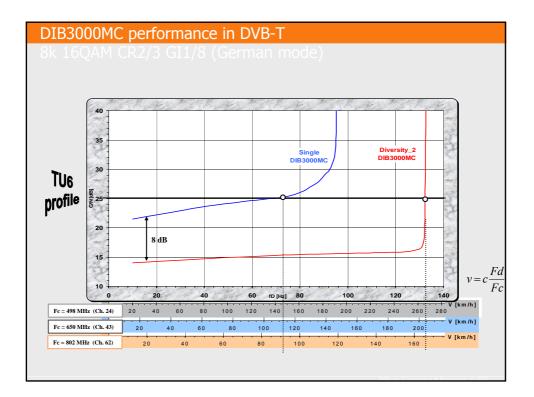


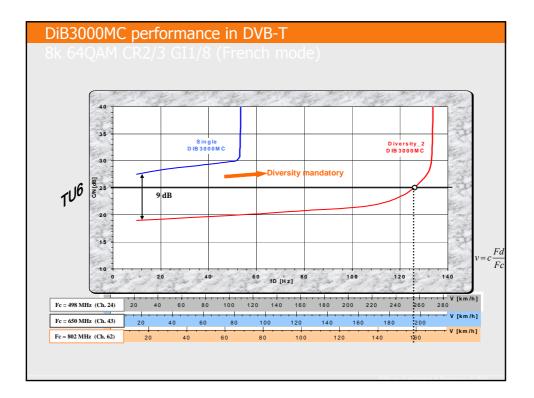


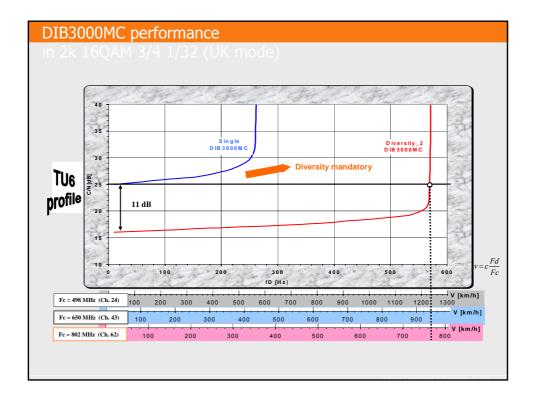










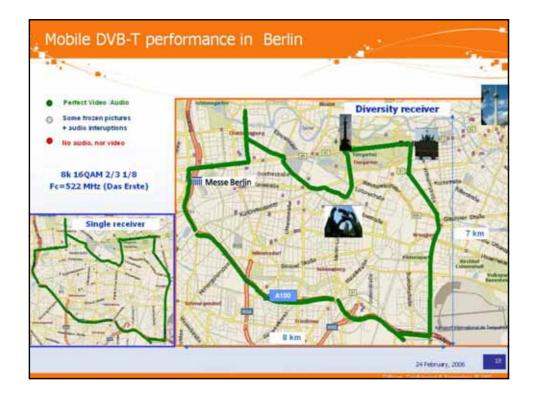








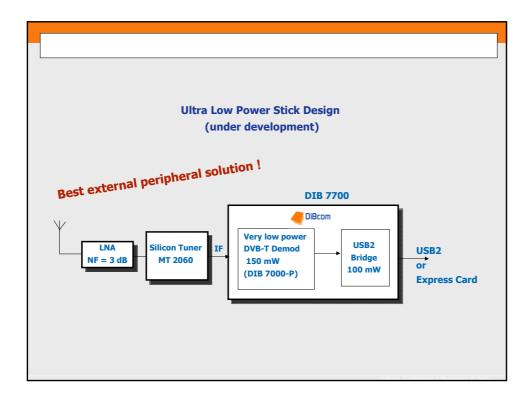




					Speed		
City	DVB-T mode	Receiver mode	C/N min	F_Doppler @C/N=25 dB	@498 MHz	@826 MHz	
Berlin	8k 16QAM 2/3 1/8	SINGLE	21 dB	75 Hz	150 km/h	100 km/h	
		DIVERSITY 2	14 dB	130 Hz	280 km/h	170 km/h	
Paris	8k 64QAM 2/3 1/32	DIVERSITY 2	19 dB	120 Hz	240 km/h	150 km/h	
London	2k 16QAM 3/4 1/32	DIVERSITY 2	16 dB	570 Hz	1235 km/h	745 km/h	
	I				Mach 1!		



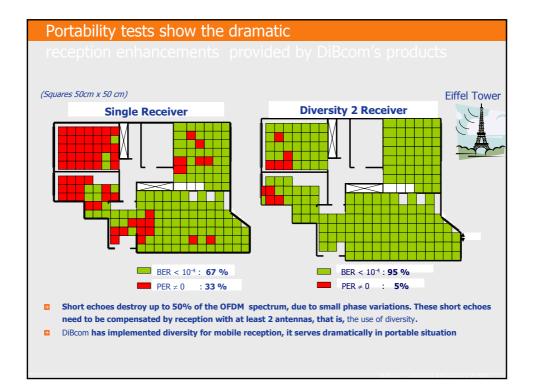
Februard DVD T demodulates ICe for mostable	and the second as the
Enhanced DVB-T demodulator ICs for portable	environments
DiB3000 P	
 Low consumption allows a USB self-powered mod Embed all DiB3000MC features except Doppler Ca High sensitivity & High robustness indoor Low cost 	
New DiB7000 P	
Same features as DiB3000 P	
Lower power consumption (150mW) and small	er IC (BGA)
Lower cost	
New DiB7700	900
a DiB7000P with an embedded USB controller	
 the ultimate low power consumption solution (250mW with USB cont) 	
 much Lower cost 	STKT700-# Reference Design
	powered by USB

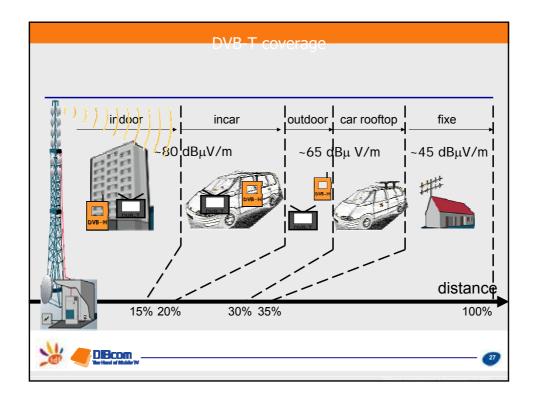






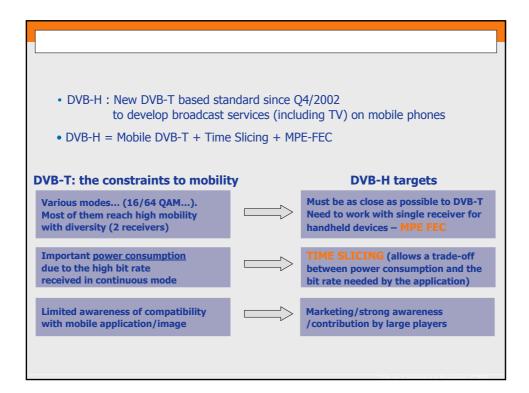




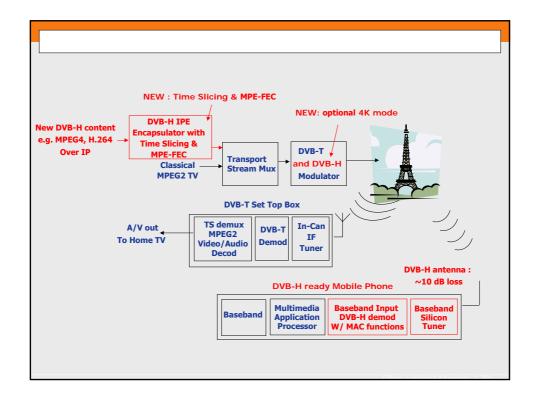


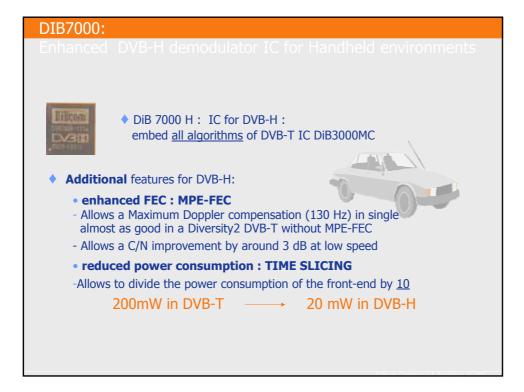


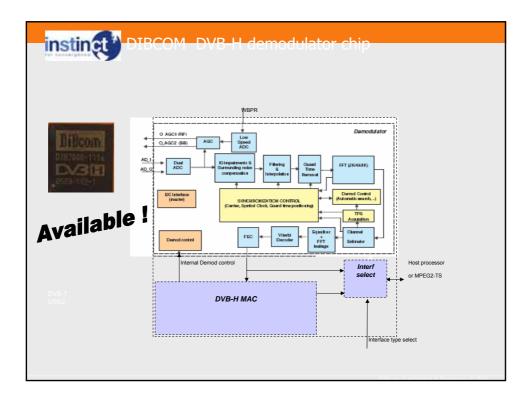


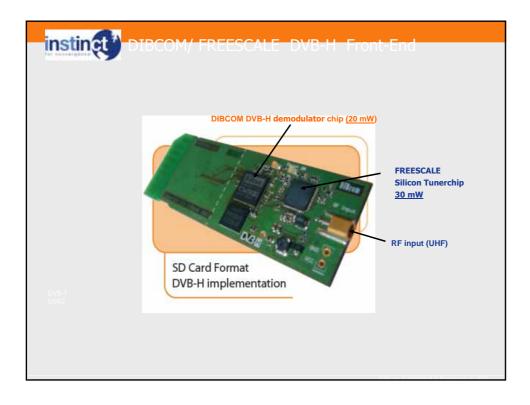


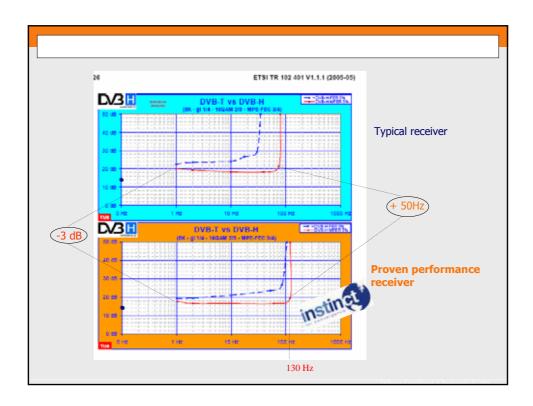
Modulation	DVB-T	DVB-H (3/4)
QPSK CR=2/3 GI=1/8	7.37 Mbits/s	<i>5.71</i> Mbits/s
L6QAM CR=1/2 GI=1/8	11.06 Mbits/s	8.57 Mbits/s
.6QAM CR=2/3 GI=1/8	14.75 Mbits/s	11.4 Mbits/s

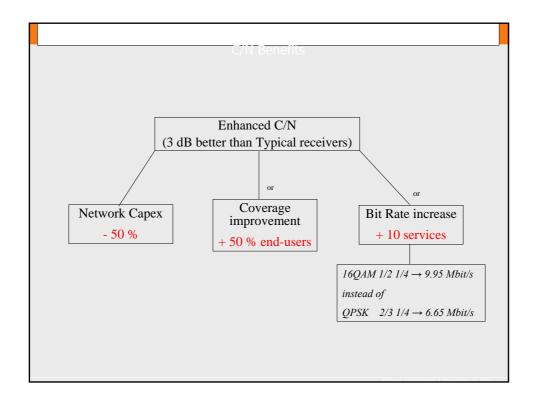


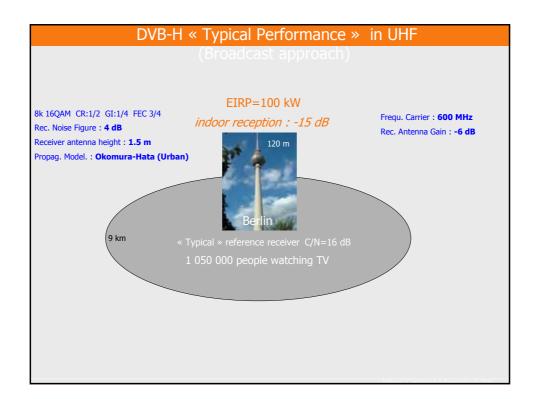


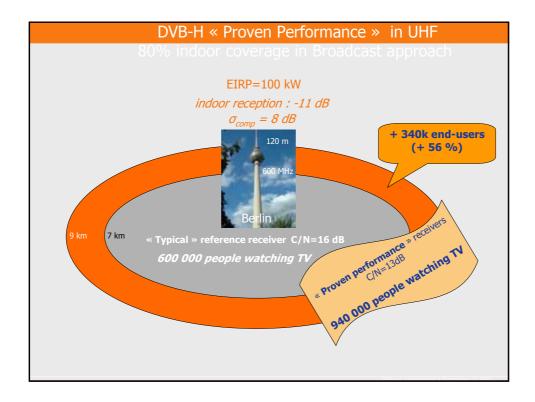


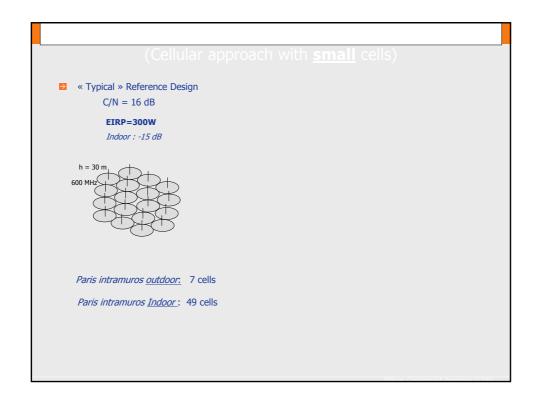


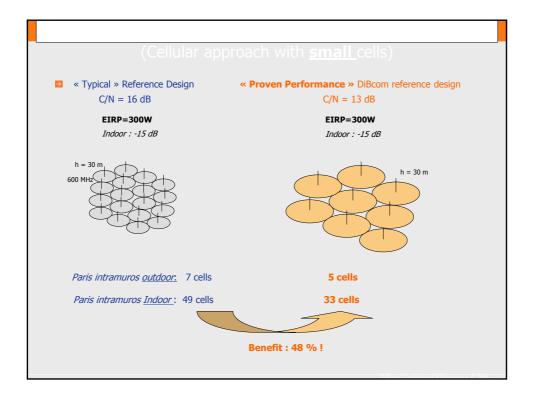


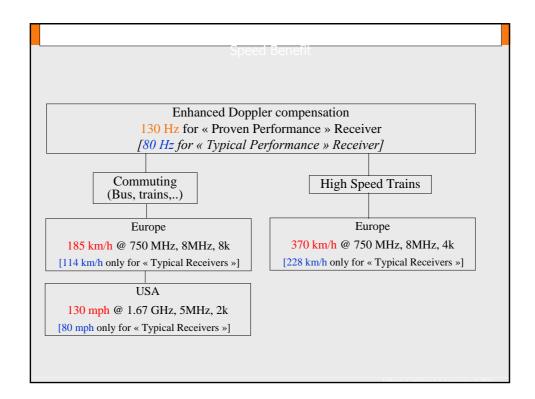


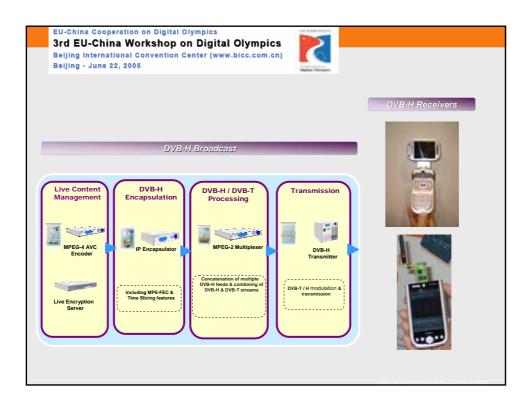




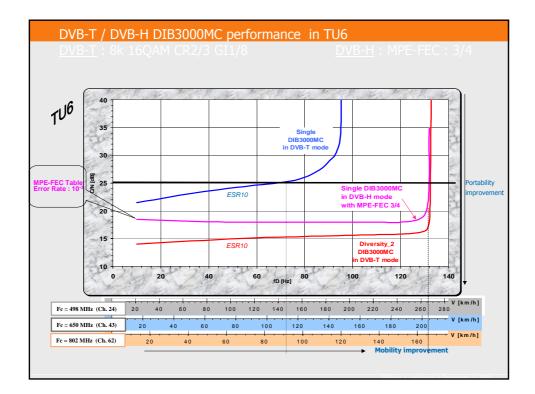














	Standards: bears as the	only true gl	obal standa	rd today		
	Fixed Reception	Mobile Handheld	Companies supporting standard	Mobile Front-end power consumption	Network cost / user	# prog. per channel
EU + part of AP +India	DVB-T	DVB-H	Nokia, Motorola, Samsung,	50mW	\$1-3	30
US	ATSC	DVB-H	Siemens Crown Castle	(time slicing)		
		Media-Flo	Qualcomm (proprietary)	No time slicing	?	?
JAPAN	ISDB-T 13 Segments	ISDB-T 1 Segment	Japanese companies	120mW No time slicing	>\$15	2
KOREA	ATSC	T-DMB	LG (Samsung)	200mW No time slicing	\$6-10	5
CHINA	DMB-T or DVB-T ?	DVB-H or other?	Universities	?	?	?



