

Infineon Wireless Solutions

MWC, Barcelona, February 17, 2009

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Member of the Management Board

Sales & Marketing, Research & Development



Never stop thinking

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Such risks and uncertainties include, but are not limited to the Risk Factors noted in the Company's Earnings Releases and the Company's filings with the Securities and Exchange Commission.

X-GOLD™ 101: Winner of the Innovation Award of German industry for the best technological innovation 2008

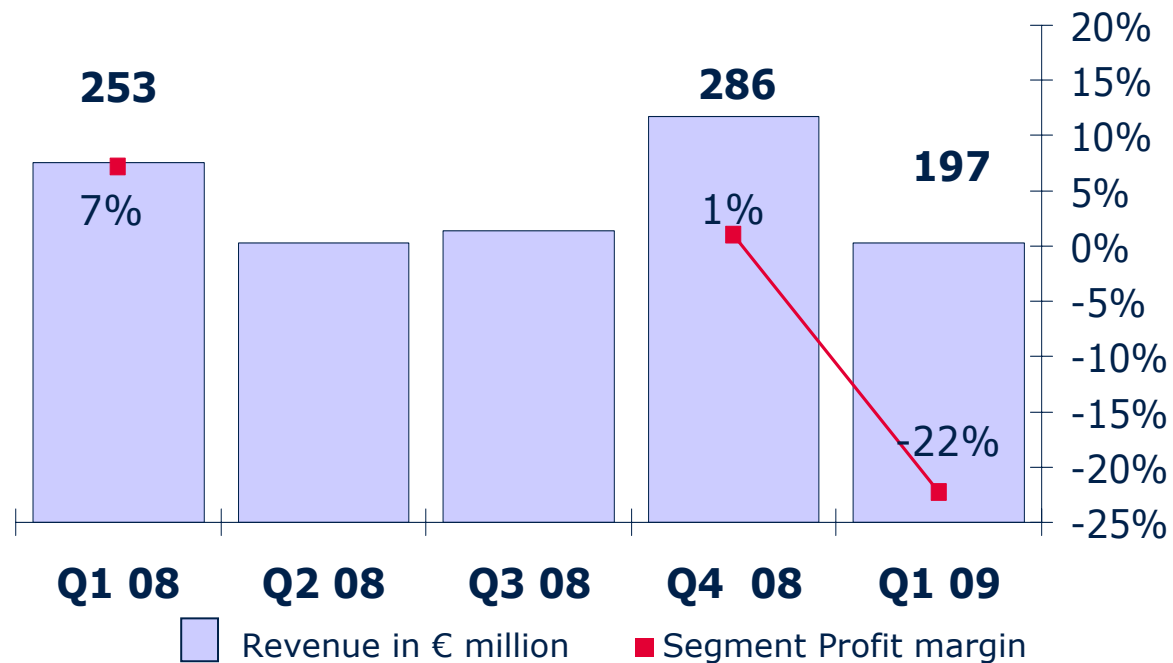


More than 100 million devices were sold so far!



Q1 FY09 Financial Figures for Wireless Solutions

Wireless Solutions – First quarter



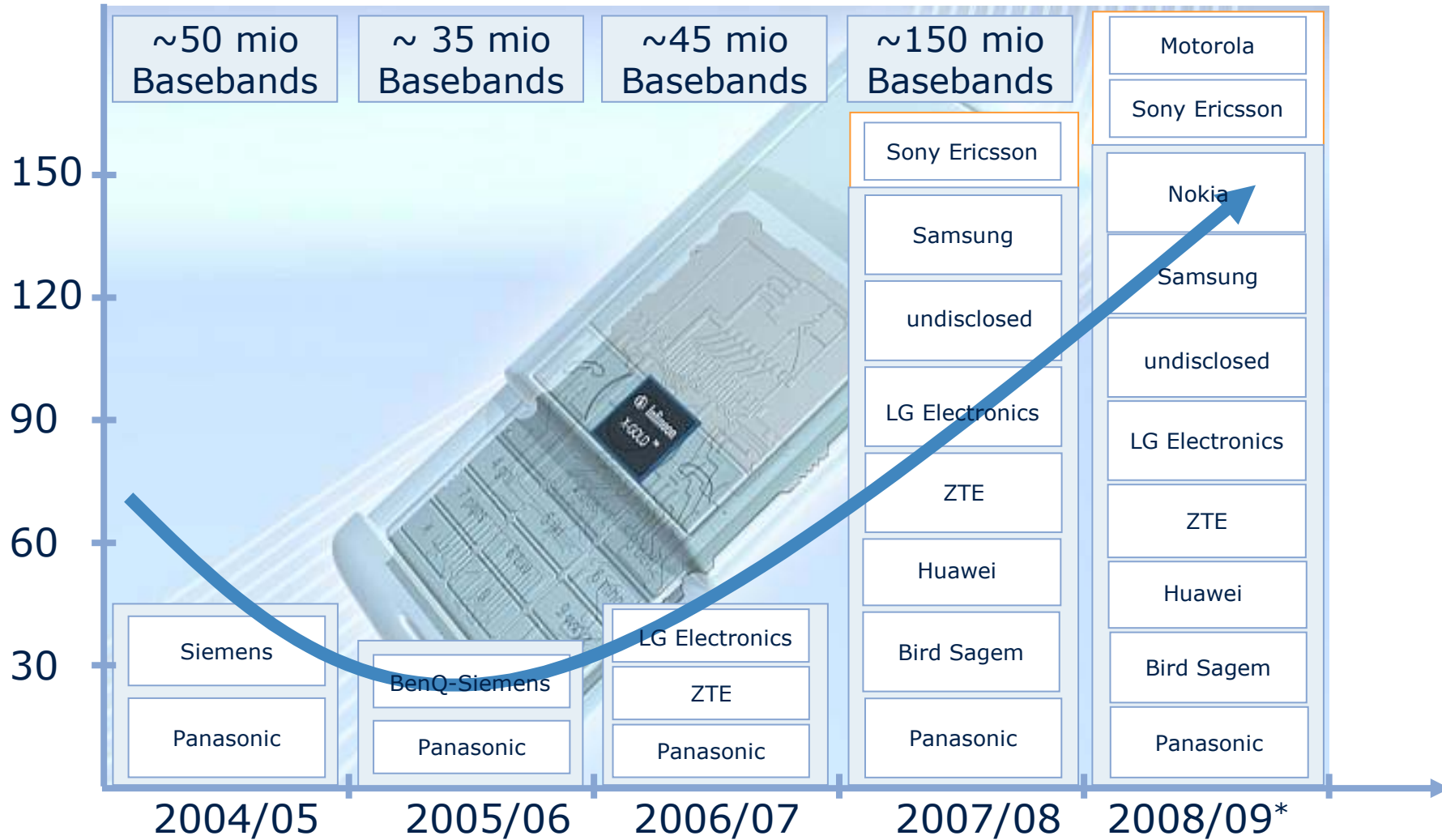
	Segment Profit [€ m]
Q1 09	-44
Q4 08	3
Q1 08	18

Note: Figures according to IFRS

Remarks

- Q4 revenue peak due to high demand of one HSDPA customer.
- Revenue decrease by 31% compared to Q4 FY08 mostly due to given market slow-down and inventory correction.
- Segment Profit: Negative € 44 million due to revenue decline and idle cost.

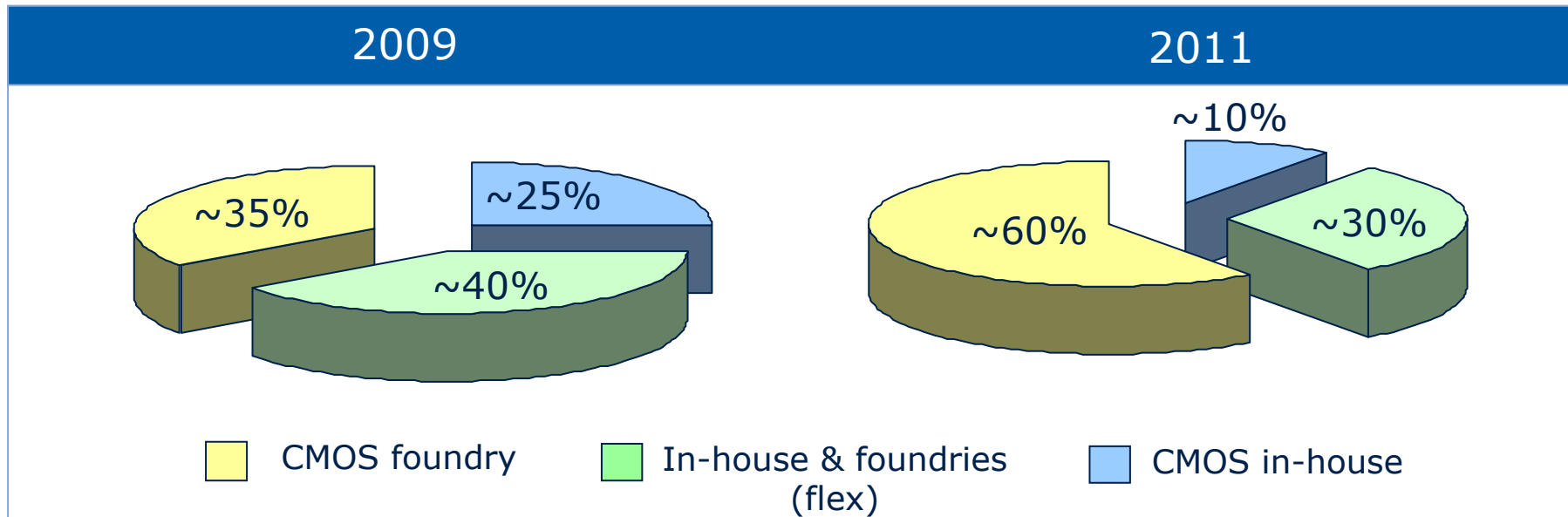
Infineon is scaling up customer base and volumes significantly



*estimated

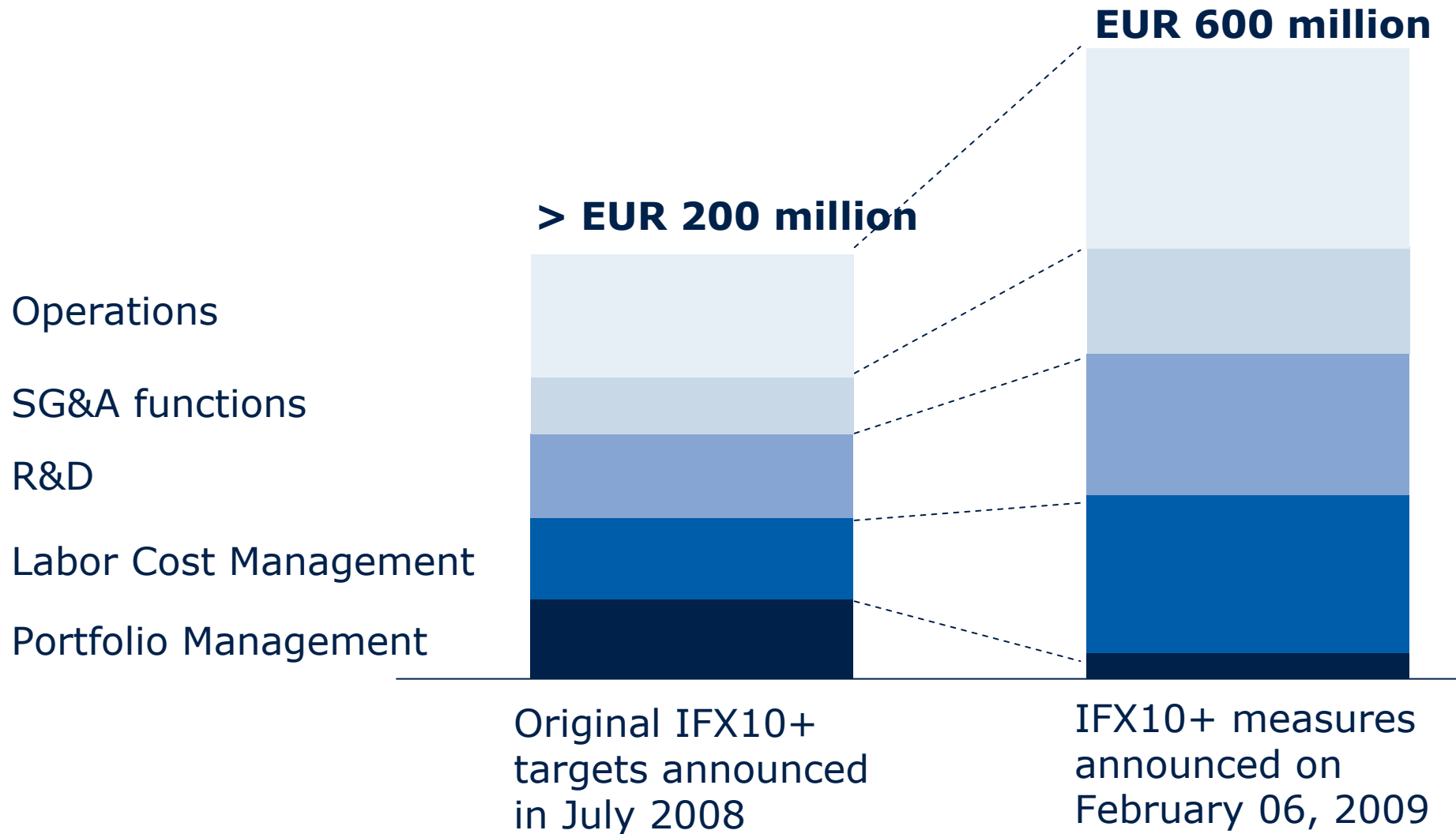
RF transceiver

Infineon wireless following up consequently on fab-light strategy



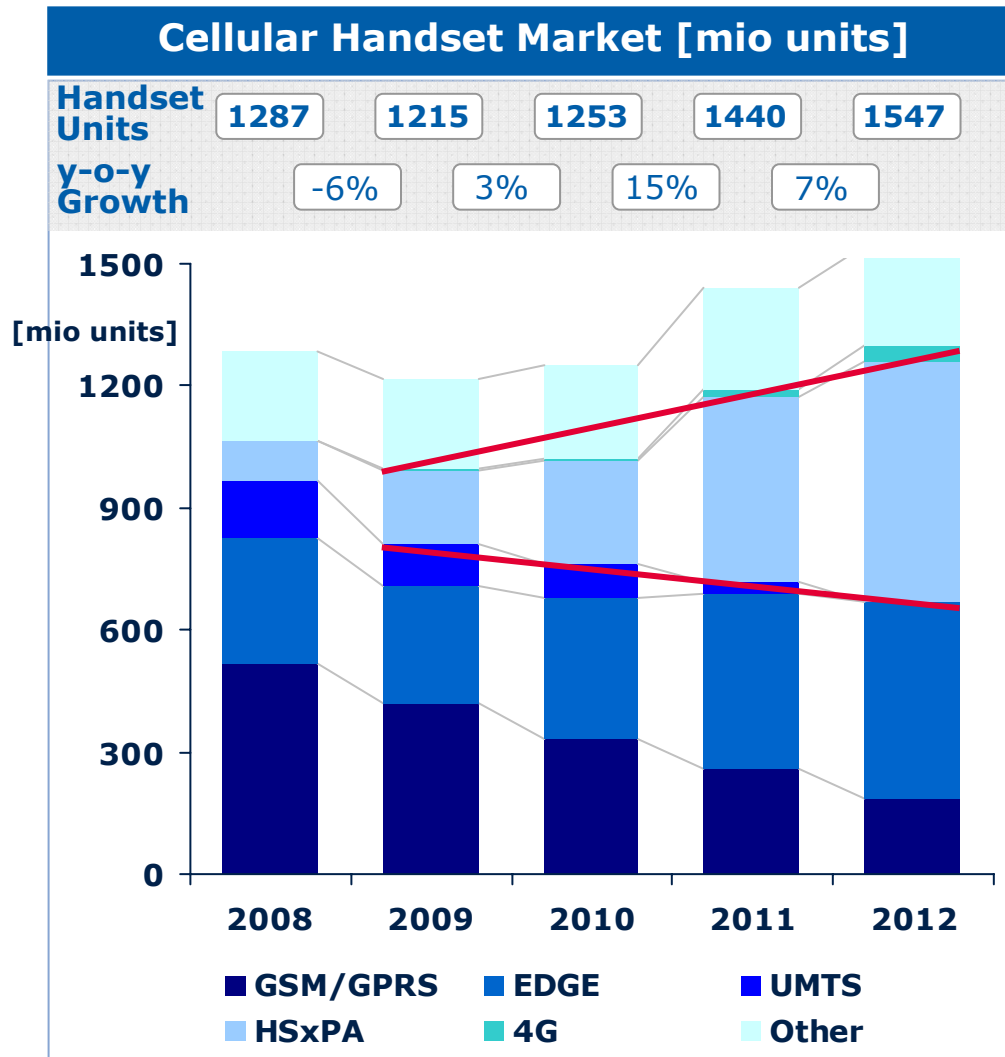
- 2009:
 - 130nm and 90nm technologies are in full production and manufactured in-house as well as at silicon foundries.
 - 65nm technology is the first technology only manufactured at silicon foundries; multi-sourcing concept for supply security.
- 2011:
 - 65nm will be in volume production.
 - Next technology node 40nm will be in ramp-up.

Costs will be reduced further by early implementation of IFX10+



1) Excluding revenue measures
Feb 17, 2009

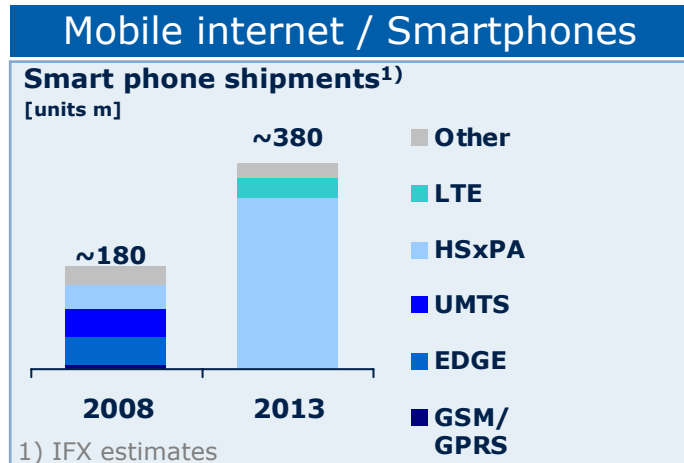
Handset growth fueled by HSxPA technology while 2/2.5 G still represent 50% of market



Source: iSuppli, December 2008

- ### Comments
- Global handset shipments are forecasted to grow at a 4-year CAGR of 4.7% (2008–2012)
 - HSxPA segment is growing the fastest (57% CAGR) to 38% of all handset shipments by 2012.
 - EDGE segment grows steadily as well, reaching ~480 mio units in 2012.
 - The WEDGE segment will decline substantially as the OEMs and operators are focusing on HSxPA handsets.
 - Growth of HSxPA is mainly driven by replacement handset sales as feature-rich handsets enabling various data services that require faster data connection.

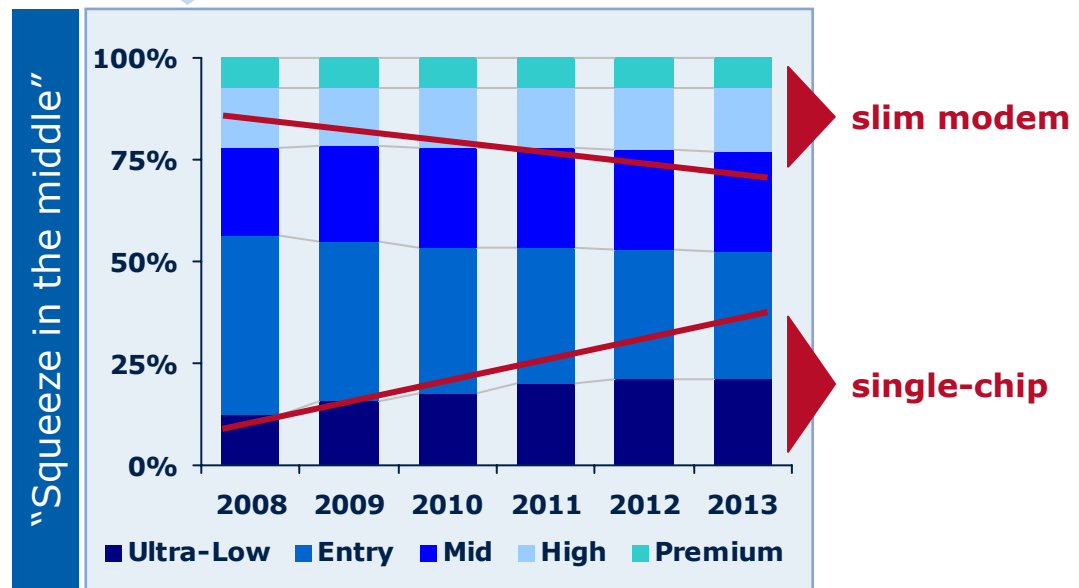
High performance slim modems and cost-effective single-chip solutions will experience high demand



Strong growth of smartphones driven by operators subsidies due to higher ARPU, attractive user interfaces, etc.



Strong growth of ULC phones driven by demand in emerging regions



Infineon well positioned for success in the wireless market and prepared for further consolidation



INFINEON WIRELESS POSITIONING ALONG SUCCESS FACTORS

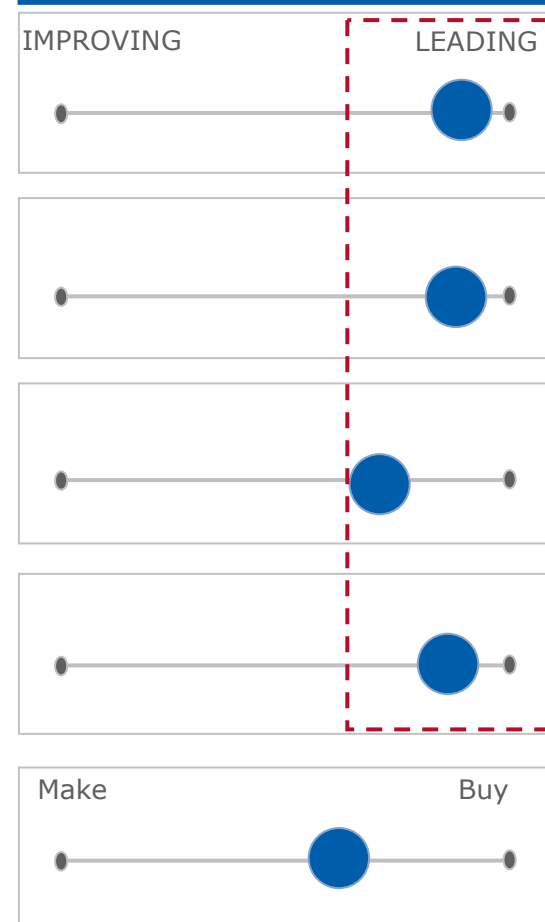
Major Market Trends

- OEMs diversify supplier base and migrate from in-house solutions towards merchant market platforms
- Strong growth of HSxPA, Smartphones and ULC segment
- New handset market entries, e.g.
 - Operator/ODM business model
 - Smartphone "pure plays"
- Consolidation of platform supplier base

Success Factors

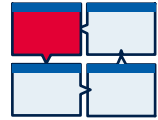
- RF CMOS Transceiver
- RF / Mixed Signal integration capabilities
- System & Software competence with focus on HSPA, smart phones and ULC
- Top-tier customer access
- Connectivity and apps processor, power amplifier

Relative Positioning




Infineon's Differentiation

Infineon differentiates through four major success factors



RF CMOS transceivers (TRx)

- Complete portfolio from GPRS to HSxPA, LTE and WiMax RF transceivers
- Shipped 1.4 billion Cellular RF TRx to date
- World's first 65nm LTE DigRF TRx sampled




Customer Base

- Broadest customer base with access to all Tier 1 OEMS
 - LG Electronics
 - Motorola
 - Nokia
 - Panasonic
 - RIM
 - Samsung
 - Sony Ericsson

RF/mixed-signal integration

- Shipped > 100 mio X-GOLD™101 in the first year of volume production
- World's first EDGE single chip in volumes

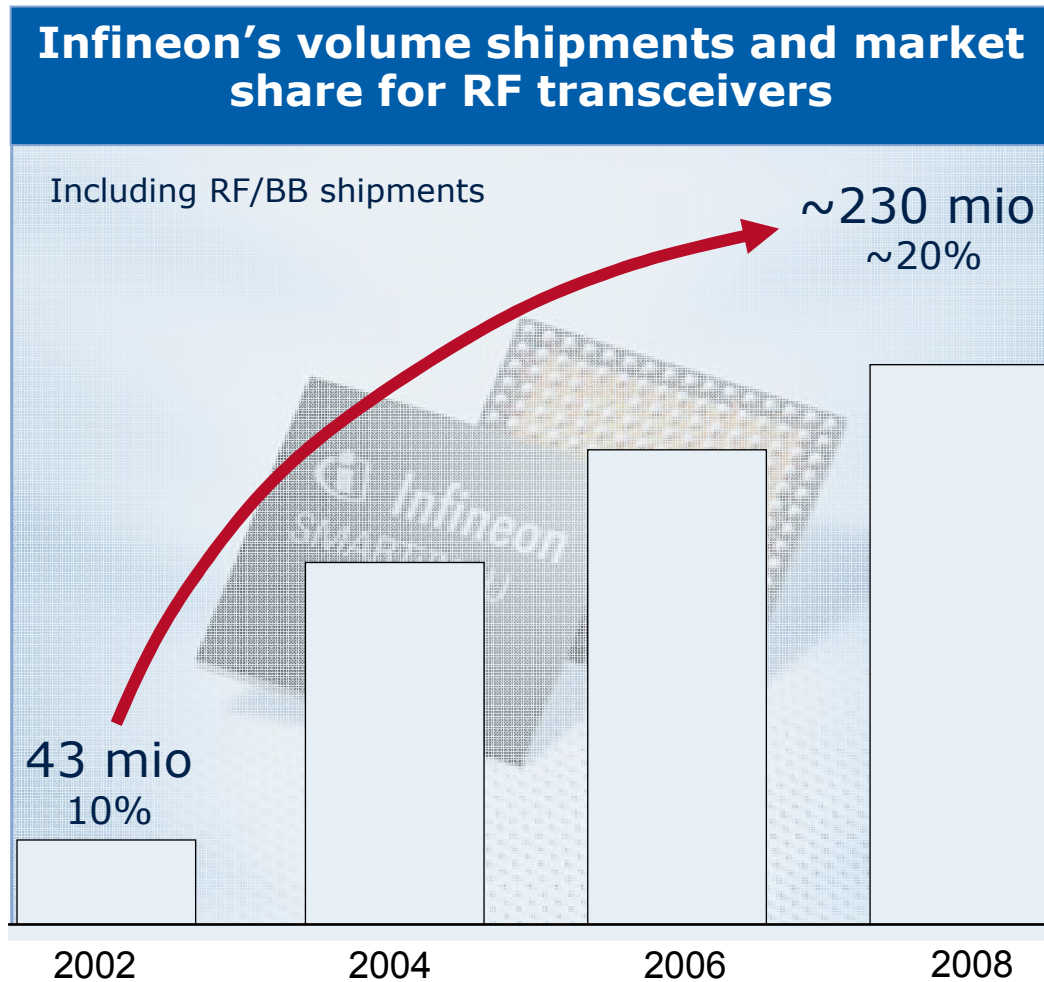
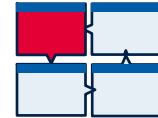


Mobile phone platform solutions

- Complete HW/SW platform solutions from GSM to HSDPA in volume production
- Strong system and software competence
- Partner on connectivity and application processor



Infineon RF Transceivers for cellular applications showed steady growth of market share



Major Contributors














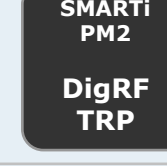


- Successful ramp-up of new RF transceivers for major OEMs
- Complete product and roadmap conversion to CMOS technology since 2004
- Leader in RF / BB integration
- Leading cost position
- Excellent RF performance

→ Infineon shipped 1.4 billion cellular RF transceivers to date

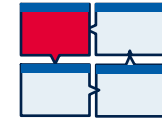
Source: Strategy Analytics, Infineon

All major wireless standards are addressed by RF CMOS solutions



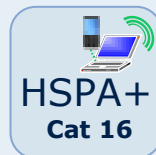
RF Transceiver Roadmap					
	In production	Sampling	R&D	IFX position	
WiMAX/ LTE			 new		<ul style="list-style-type: none"> Strong interest from all Tier1s in world's first 65nm DigRFv4 LTE/3G/2G transceiver
HSUPA			 Q2.09	 32nm RF macro	<ul style="list-style-type: none"> SMARTi™ UEmicro: Lowest Cost 3G (emerg. markets) SMARTi™ UE/UE+: DW Motorola ramping 2H CY 2009
HSDPA/ WCDMA			 new		<ul style="list-style-type: none"> In production at Samsung, Sony Ericsson, LG and RIM Multiple DWs with IFX platform
EDGE			 65nm RF macro		<ul style="list-style-type: none"> SMARTi™ PM+ in volume production at two Tier-1s 65nm RF macro for single chip integration
GSM/ GPRS			 65nm RF macro		<ul style="list-style-type: none"> 65nm RF macro for single chip integration

New RF products addressing growth segments 3G low cost and LTE



LTE Mobile Data

- World's 1st LTE multimode transceiver
- LTE / 3G / 2G single chip RF CMOS
- up to 150 Mbps downlink
- DigRF v4 interface
- 65nm standard CMOS technology

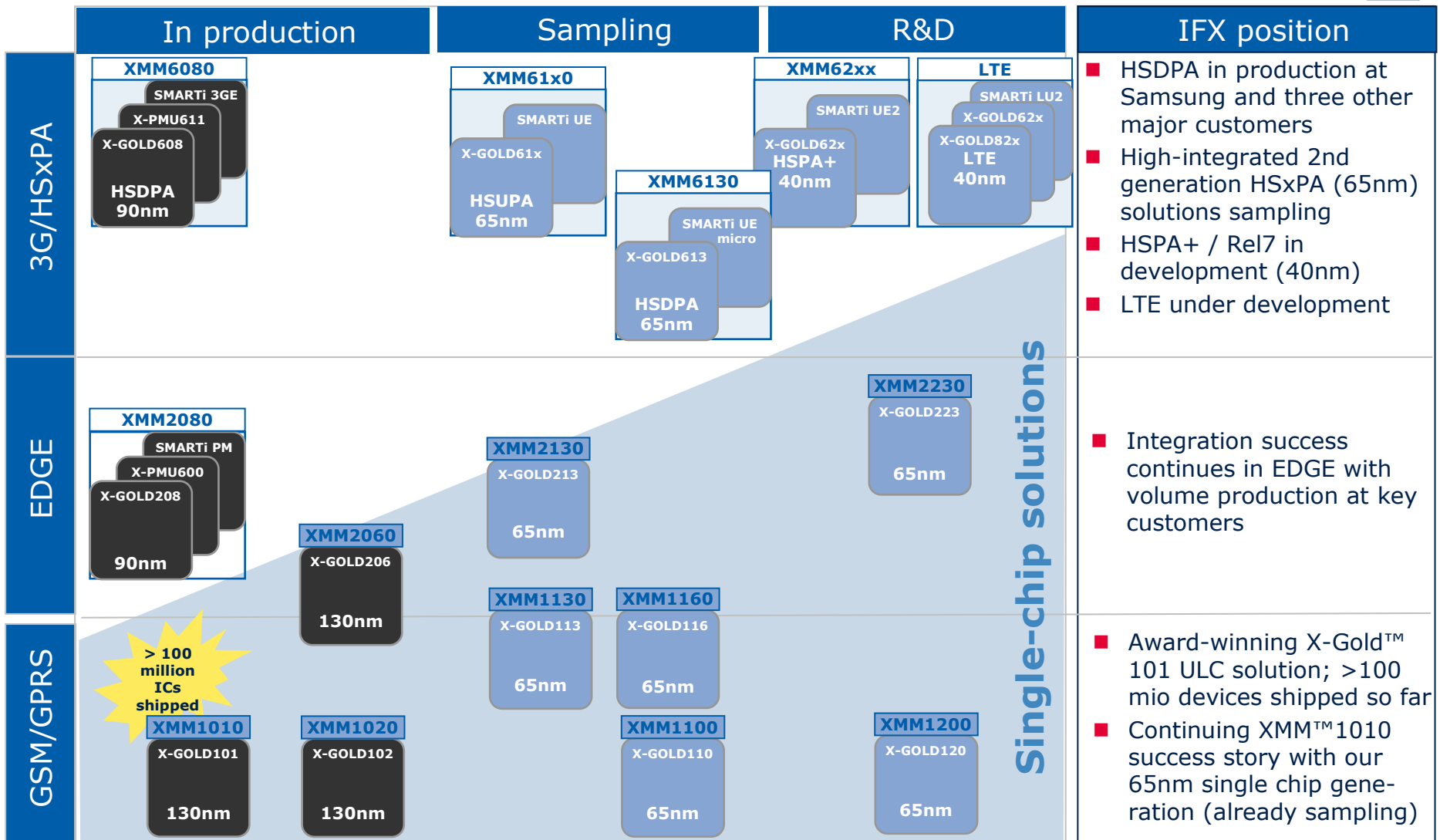
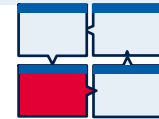


3G Low Cost

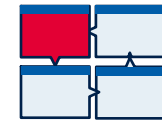
- HSPA/EDGE single chip transceiver
- lowest cost 3G for emerging markets
- DigRF v3.09 interface, 1.2s calibration time
- eliminating ext. LNAs and Rx filters
- enabling lowest RF system eBOM USD 6.50
- 130nm standard CMOS technology






Infineon drives SoC integration from GSM to full EDGE solutions and beyond



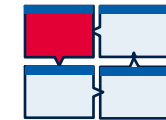
Ultra-Low-Cost enables "Voice for All"



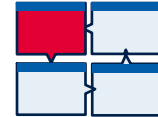
GSM/GPRS	<p>XMM™ 1200</p> 	<p>ULC Innovation</p> <ul style="list-style-type: none"> ■ Revolutionary ULC system concepts ■ Serial Flash ■ Dual-feed antenna
GSM/GPRS	<p>XMM™ 1100</p> 	<p>ULC and FM Radio single-chip</p> <ul style="list-style-type: none"> ■ Highest available integration 65nm ULC single-chip ■ Integrated FM stereo RDS receiver ■ USB charging ■ MP3, Stereo Audio, Class-D amplifier
GSM / GPRS	<p>XMM™ 1020</p> 	<p>ULC Single-chip GSM</p> <ul style="list-style-type: none"> ■ Best-in-class ULC colour single-chip ■ MP3 ■ USB charging ■ Dual-SIM (XMM™1028)




Entry phones provide "Mobile Internet for All"

HSDPA	<p>XMM™6130</p> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; background-color: #333; color: white; text-align: center;"> X-GOLD613 HSDPA 65nm </div> <div style="border: 1px solid black; padding: 5px; background-color: #333; color: white; text-align: center;"> SMARTi-UEmicro HSDPA 130nm </div> </div>	<p style="text-align: center;">Lowest-Cost HSDPA</p> <ul style="list-style-type: none"> ■ Smallest footprint ■ ARM11 core ■ Audio and video player ■ WQVGA display, 3Mpix camera ■ USB 2.0 HS, memory card
EDGE	<p>XMM™2130</p> <div style="border: 1px solid black; padding: 5px; background-color: #333; color: white; text-align: center; width: 60px; margin: 0 auto;"> X-GOLD213 EDGE 65nm </div>	<p style="text-align: center;">Lowest-Cost Browsing</p> <ul style="list-style-type: none"> ■ Highest available integration level ■ ARM11 core ■ FM stereo RDS receiver integrated ■ Audio and video player ■ QVGA display, 2Mpix camera ■ USB 2.0 HS, memory card, Stereo ■ Integrated power management
GSM / GPRS	<p>XMM™1130/60</p> <div style="border: 1px solid black; padding: 5px; background-color: #333; color: white; text-align: center; width: 60px; margin: 0 auto;"> X-GOLD113 GSM / GPRS 65nm </div>	<p style="text-align: center;">Lowest-cost Messaging</p> <ul style="list-style-type: none"> ■ Highest available integration level ■ ARM11 core ■ FM stereo RDS receiver integrated ■ QVGA display, 1.3Mpix camera (XG116) ■ USB 2.0 HS, memory card, Stereo ■ Integrated power management, int. SRAM



Smartphones require high-performance modems



LTE	<p style="text-align: center;">LTE Demonstrator</p> <div style="text-align: center;">  <p>FPGA/DSP</p> </div>	<p style="text-align: center;">LTE smart modem solution</p> <ul style="list-style-type: none"> ■ Rapid algorithm prototyping on DSP/FPGA platforms ■ Verified in co-operation with Agilent Techn. ■ Key algorithms implemented: <ul style="list-style-type: none"> ■ LTE MIMO Diversity ■ LTE MIMO Spatial Multiplexing ■ Flexible resource block allocation ■ Channel estim. & baseline MIMO Equalizer
HSUPA	<p style="text-align: center;">XMM™6160</p> <div style="text-align: center;">  </div>	<p style="text-align: center;">HSUPA smart modem solution</p> <ul style="list-style-type: none"> ■ Smallest footprint ■ HSDPA cat8 - 7.2 Mbps ■ HSUPA cat6 - 5.76 Mbps ■ 4 band 3G / 4 band EDGE ■ PMU & baseband monolithically integrated ■ Lowest power consumption
HSDPA	<p style="text-align: center;">XMM™ 6081</p> <div style="text-align: center;">  </div>	<p style="text-align: center;">HSDPA smart modem solution</p> <ul style="list-style-type: none"> ■ HSDPA cat8 - 7.2 Mbps ■ 3 band 3G / 4 band EDGE ■ Low power consumption ■ Market proven

Infineon offers complete HW/SW system solutions for all major standards



INTEGRATED HW AND SW, SYSTEM DESIGN, IOT AND GCF TESTING



HW Components

Baseband

2G/HSxPA baseband
PMU and analog

RF transceiver

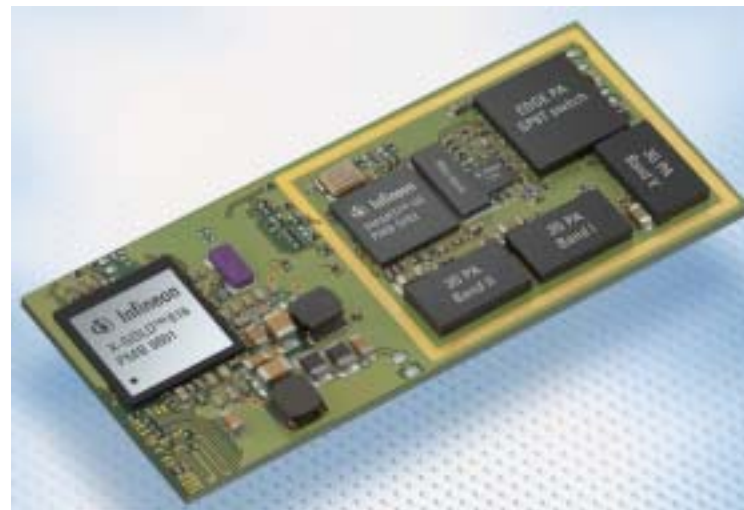
EDGE/3G/LTE
Stand-alone / integrated

Connectivity/Location

Bluetooth, FM
A-GPS (XPOSYS™)

Discrettes

Silicon Discrettes
(LNAs etc.)



SW Components

Protocol Stack

2G – Rel.6 GSM, EDGE
3G – Rel.6 HSxPA

Pre-GCF

Automated testing:
24 hours a day
7 days a week

Pre-IOT

With all major
infrastructure vendors

HSUPA mobile phone platform XMM™ 6160

IOT = inter-operability test
GCF = global certification forum

Ownership of each platform component simplifies completing lab tests, field tests, and operator approvals, significantly accelerating phone projects

XPOSYS™ A-GPS single-chip solution offers a sensitivity down to -165 dBm



XPOSYS™ A-GPS

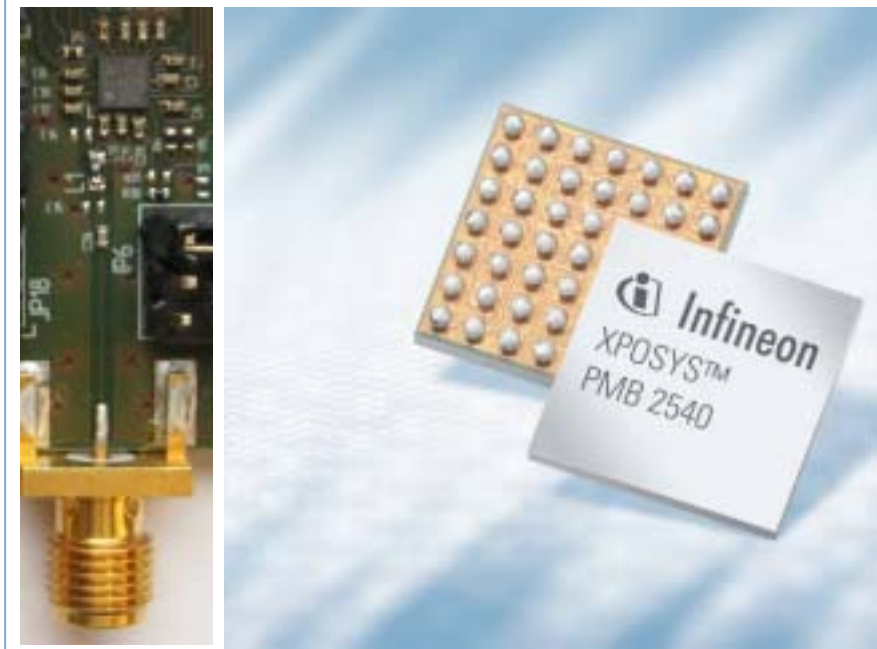
- Highly integrated single chip 65nm A-GPS
- Integrated high sensitivity LNA
- Package WLB47
2.8 x 2.9mm²; 0.4mm pitch;
0.8 mm height

Key Features

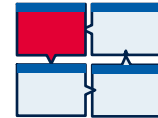
- Highest sensitivity of less than -165 dBm
- Lowest power consumption 9 mW tracking
- TCXO shared with cellular system
- SW for assisted modes:
C-plane and User-plane (SUPL 2.0)
- Performance margin enables low cost filters and antennas

Circuit/System

- **Less than 26 mm² board space** to maximize design flexibility
- **Only 9 external components** to reduce eBOM
- **3GPP, DoCoMo and OMA compliant** for fast time-to-market
- **Lowest power consumption 6μW StdBy** to successfully interact with multiple LBS applications



Rich Communication Suite (RCS) based on Comneon's IMS Device Framework



Rich Communication Suite

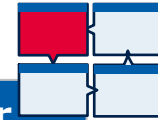
- RCS is a standardized sub-set of IMS functions.
- Seamless communication for end users.
- Services include:
 - Presence enabled Phone Book
 - Service Capability Exchange
 - Multimedia Messaging
 - Chat
 - File Transfer
 - Video Share
 - Image Share

**Comneon is a member of the
GSMA RCS Group**

Infineon serves the top 5 mobile phone OEMs as well as important additional players



CUSTOMER BASE





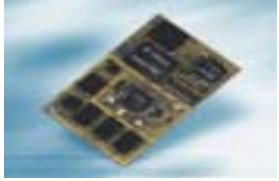
OEM Market shares in 2008 ¹⁾		IFX platforms	IFX RF transceiver (standalone)
Nokia	39.9%	<ul style="list-style-type: none"> ■ ULC XMM™101 in volume production 	<ul style="list-style-type: none"> ■ Major RF supplier for GPRS and EDGE
Samsung	16.2%	<ul style="list-style-type: none"> ■ Major supplier of GSM/GPRS/ EDGE platforms ■ HSDPA in the market 	<ul style="list-style-type: none"> ■ Supplier of EDGE RF and 3G RF
Motorola	8.7%		<ul style="list-style-type: none"> ■ Customized development HSxPA RF transceiver based on SMARTi UE
LG Electronics	8.3%	<ul style="list-style-type: none"> ■ Major supplier of GSM single-chip/ EDGE platforms ■ HSDPA in the market 	<ul style="list-style-type: none"> ■ Major supplier of EDGE and 3G RF (through IFX platforms)
Sony Ericsson	8.3%		<ul style="list-style-type: none"> ■ Supplier of SMARTi 3G selected by Ericsson Mobile Platforms (EMP)
Major other (undisclosed)		<ul style="list-style-type: none"> ■ EDGE and HSDPA in the market 	<ul style="list-style-type: none"> ■ In volume production at key smartphone customers



1) Strategy Analytics estimates, December 2008

Summary



	Focus on Smartphone with slim modems for HSDPA / HSUPA systems and beyond
	Extend leadership position in RF CMOS transceivers into advanced mobile systems
	Expand leading position in SoC integration; lever it to EDGE and low-cost 3G
	Offer complete mobile phone platform solutions out of one hand
	Keep broad customer base and increase share



We commit.

We innovate.

We partner.

We create value.



Never stop thinking