



			D	own	link	Pre	amb	ole		
BCI	H Pream	mble								
110	DA16	A 16	DA16	TA16	D14	<b>D16</b>	<b>B16</b>	<b>B16</b>	ID16	С
Alb Oth		mlink	Chonn	alo Dro	blo		SCUU		1010	
Oth	er Dow	/nlink	Chann	els Pre	amble	FCH	,SCH,I	LCH)	1010	
Oth	er Dow	vnlink	Chann Chann	els Pre	eamble	FCH	,SCH,I	LCH)		

<u>May 1999</u>	doc.: IEEE 802.11-99/122
	Symbol Contents
• A16/RA16	Symbol
<ul> <li>The sig by the s</li> </ul>	n reversal of every second A16 symbol is automatically achieved pecified subcarrier loading.
A16 <sub>-2626</sub> =sqr	t(2)*{0, 0, 0, 0, 1-j, 0, 0, 0, 1+j, 0, 0, 0, -1+j, 0, 0, 0, 0, -1-j, 0, 0, 0, 1-j, 0, 0, 0, -1-j, 0, <b>0</b> , 0, 1-j, 0, 0, 0, -1-j,0, 0, 0, 1-j, 0, 0, 0, -1-j, 0, 0, 0, -1+j, 0, 0, 0, 1+j, 0, 0, 0, 0}
• B16 Symbo	l (subcarrier loading as S <sub>-2626</sub> symbol in PLCP)
B16- <sub>2626</sub> = sq	rt(2)*{0, 0, 1+j, 0, 0, 0, -1+j, 0, 0, 0, -1-j, 0, 0, 0, 1-j, 0, 0, 0, -1-j, 0, 0, 0, 1-j, 0, 0, 0, <b>0</b> , 0, 0, 0, 1-j, 0, 0, 0, -1-j, 0, 0, 0, 1-j, 0, 0, 0, -1-j, 0, 0, 0, -1+j, 0, 0, 0, 1+j, 0, 0}
C64 Symbo	1: the same content as T1/T2 in 802.11a PLCP
Submission	Slide 4 Jamshid Khun-Jush, Ericsson







				Upl	ink	Pream	ble			
Shor	t Prea	mble		Г			-			
B16	B16	B16	B16	IB16	C32	C64			C64	
Long	g Prea	mble (	very si	milar	to 802.	.11a PLC	P prea	amble	e)	
Long B16	g Preas B16	mble ( B16	very si B16	milar B16	to 802. <mark>B16</mark>	11a PLC	P prea	amble B16	e) IB16	С
Long B16	g Prear B16	mble (	very si B16	milar B16	to 802. B16	11a PLC	P prea	amble B16	e) IB16	 C

Sign Inversion	of the Last Repetition
Beneficial for	
– improving timi peak)	ng detection accuracy (sharper auto-correlation
<ul> <li>increasing the correlation bas</li> </ul>	receiver implementation flexibility (e.g. auto- sed or cross-correlation based)
– providing uniq symbol repetiti	ue identification possibilities of the last short on



















