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731 Confirmation Number: EA212973
Date of Original E-Mail: 11/3/2005

Subject: Info Request

Question 1: intended/expected at the ear usage, the possibility for the user to disable the WLAN and corresponding user manual instructions for the WLAN

<Answer>There are 2 ways to disable the WLAN: manually turn off WLAN or select to auto turn off WLAN if not connected. Following is extraction. Details see user manual Page 85.

To connect to a Wi-Fi network

1. Tap **Start > Programs > Wireless Manager**. This opens the Wireless Manager screen.
2. Tap the On/Off button to turn on/off the wireless function. The Wireless Manager icon indicates the wireless status.
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: Wi-Fi is turned on.
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: Wi-Fi is turned off.
3. On the Wireless Manager screen, tap the **Settings > Wireless LAN Settings** to configure the required settings. When the configuration is completed, you can connect to a Wi-Fi network using your device.

Note Tap the Network Cards icon ( ) on the Wireless LAN Settings screen to open the Configure Wireless Networks screen, which allows you to configure wireless networks and network adapters.

To save battery power while connected to a Wi-Fi network

1. On the **Settings** tab of the Wireless LAN Settings screen, move the **Power Save Mode** slider to a position that optimizes performance with the least power consumption.
2. Select the **Auto turn off WLAN if not connected** check box to allow your device to turn off the WLAN function automatically when no signal is detected.

Question 2: the IS2000 modes/data.

<Answer> Before the test modes are same as the follow modes. The description mode are use FWD1 and RVS1 (same as the RC"1"). And I have added the voice and other options. Please see the follow setup and conducted power test result.

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The following procedures had been used to prepare the EUT for the HAC test.

- To setup the desire channel frequency and the maximum output power. A Radio Communication Tester "Agilent, model: E5515C (8960 SERIES 10)" was used to program the EUT.

  Operation Mode: Active Cell

  System Mode: IS-2000

  Test Setup:

Call Parms	Cell band	
	US Cellular	US PCS
Channel	1013 / 384 / 777	25 / 600 / 1175
Protocol Rev	6 (IS-2000-0)	6 (IS-2000-0)
Radio Config	(Fwd3, Rvs3), S055 (Loopback)	(Fwd3, Rvs3), S055 (Loopback)
Rvs Power Ctrl	All Up Bits	All Up Bits
Power Ctrl Size	1.0 dBm	1.0 dBm
Call Drop Timer	Off	Off
Call Limit Mode	Off	Off
Traffic Dada Rate	Full	Full
Rcvr Power Ctrl	Manual()	Manual
Meas Frequency	Auto	Auto
Voice SO Mode	Voice Echo	Voice Echo
Echo Delay	Medium	Medium

Traffic Data Rate in Loopback Service Options

Traffic Data Rate	IS-95 System		IS-2000 System				
	SO2	SO9	(Fwd1, Rvs1)	(Fwd2, Rvs2)	(Fwd3, Rvs3)	(Fwd4, Rvs3)	(Fwd5, Rvs4)
Full	9.6 kbps	14.4 kbps	9.6 kbps	14.4 kbps	9.6 kbps		14.4 kbps
Half	4.8 kbps	7.2 kbps	4.8 kbps	7.2 kbps	4.8 kbps		7.2 kbps
Quarter	2.4 kbps	3.6 kbps	2.4 kbps	3.6 kbps	2.7 kbps		3.6 kbps
Eighth	1.2 kbps	1.8 kbps	1.2 kbps	1.8 kbps	1.5 kbps		1.8 kbps
Random (40% Voice Activity)	Random (40% Voice Activity) is used to simulate a typical usage of mobile station with 40% voice activity, which 40% of the transmitted frames carry voice data at greater than eighth data rate. To simulate 40% voice activity, the data is sent at random rate but the distribution is controlled such that 28% of the time is at full rate, 6% of the time is at half rate, 6% of the time is at quarter rate, and remaining 60% of the time is at eighth rate. The Random (40% Voice Activity) data rate setting is useful for MS's talk time test in R-FCH gating mode (see R-FCH Gating). When Random (40% Voice Activity) traffic data rate is selected, the test set will use fixed ranging, and range the receiver to Quarter rate expected power (see Reverse Traffic Channel Data Rate Determination).						

Conducted Power:

Radio Configuration (RC)	Service Option (SO)	Description	1013(cellular band)		1175(PCS band)	
			Peak dBm	Average dBm	Peak dBm	Average dBm
RC1 (Forward Traffic Channel 1 Reverse Traffic Channel 1)	1 (Voive)	Basic Variable Rate Voice Service (8 kbps)	N/A	N/A	N/A	N/A
	2 (Loopback)	Mobile Station Loopback (8 kbps)	26.31	24.34	26.00	24.20
	3 (Voice)	Enhanced Variable Rate Voice Service (8 kbps)	26.26	24.30	26.00	24.28
	55 (Loopback)	Loopback Service Option (LSO)	26.29	24.35	25.96	24.24
RC2 (Forward Traffic Channel 2 Reverse Traffic Channel 2)	9 (Loopback)	Mobile Station Loopback (13 kbps)	26.33	24.32	25.83	24.25
	17 (Voice)	High Rate Voice Service (13 kbps)	26.19	24.16	25.85	24.25
	55 (Loopback)	Loopback Service Option (LSO)	26.32	24.34	25.92	24.30
	32768 (Voice)	Proprietary Service Option (Qualcomm Inc.)	26.25	24.16	25.81	24.07
RC3 (Forward Traffic Channel 3 Reverse Traffic Channel 3)	1 (Voice)	Basic Variable Rate Voice Service (8 kbps)	N/A	N/A	N/A	N/A
	2 (Loopback)	Mobile Station Loopback (8 kbps)	26.34	24.32	25.91	24.20
	3 (Voice)	Enhanced Variable Rate Voice Service (8 kbps)	26.30	24.29	25.88	24.24
	55 (Loopback)	Loopback Service Option (LSO)	26.35	24.36	26.09	24.31
	32 (+ F-SCH)	Test Data Service Option (TDSO)	26.23	24.33	25.88	24.24
	32 (+ SCH)	Test Data Service Option (TDSO)	26.22	24.30	25.89	24.15
RC43 (Forward Traffic Channel 4 Reverse Traffic Channel 3)	1 (Voive)	Basic Variable Rate Voice Service (8 kbps)	N/A	N/A	N/A	N/A
	2 (Loopback)	Mobile Station Loopback (8 kbps)	26.32	24.31	25.96	24.27
	3 (Voice)	Enhanced Variable Rate Voice Service (8 kbps)	26.29	24.28	25.86	24.15
	55 (Loopback)	Loopback Service Option (LSO)	26.30	24.33	25.96	24.26
	32 (+ F-SCH)	Test Data Service Option (TDSO)	26.32	24.32	25.91	24.18
	32 (+ SCH)	Test Data Service Option (TDSO)	26.29	24.31	25.86	24.23
RC54 (Forward Traffic Channel 5 Reverse Traffic Channel 4)	9 (Loopback)	Mobile Station Loopback (13 kbps)	26.31	24.32	25.90	24.25
	17 (Voice)	High Rate Voice Service (13 kbps)	26.27	24.32	25.81	24.16
	55 (Loopback)	Loopback Service Option (LSO)	26.34	24.35	25.94	24.28
	32768 (Voice)	Proprietary Service Option (Qualcomm Inc.)	26.30	24.30	25.84	24.23

Note: The EUT can't support the SO1 (Voice) mode. The RC1 and RC2 voice modes have include duty cycle.