Anritsu WLAN tester MT8860C quick manual

Anritsu Corporation

Notice before start.

- Before use this tool, please install below things.
- 1) NI 4882273.exe
- 2) VISA430full.exe
- Before connection between DUT and MT8860C, it needs below procedure.
- 1) DUT side: Power save mode "disable"
- 2) After set IP, you have to set the **default page of DUT**.

Connection method

Fest Configuration	Power Profile
Wireless Test Signal Generator System Utilities	1 2 2 0 1 2 2 0 1 2 2 0 1 1 2 2 0 1 1 2 2 0 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
MT8860C Remote System Settings Diagnostics Remote Interface © GPIB LAN Remote Protocol © 488.2 C VISA Remote Connection - GPIB Select Instrument from List: 2	Spectral Profiles Image: Constraint of the second sec
Enter GPIB Address: 25 Connect Scan for Instruments 3 Remote Status LANLook is running in Simulation Mode. Make a remote connection to an MT8860C using the controls above before configuring wireless test modes for live operation. Remote Advanced Settings and Information	IQ Constellation Symbol: All (0) Image: All (0) Ima

IP: 192.168.168.1

Subnet: 255.255.255.0

Connection method (LAN)

/] Anritsu LANLook				×
Test Configuration	l evel			
Wireless Test Signal Generator System Utilities	A			B
Wireless Test Signal Generator System Utilities LANLLOOK Software Version: 12.0 80 Software Version: 12.0 LANLook 12 Production WT8960C Remote System Settings Diagnostics Remote Interface © GPIB C LAN Remote Protocol © VISA 40 Remote Connection - LAN LAN DHCP Mode: Hostname: LAN DHCP Mode: Automatic 11330003 Enter IP Address or Hostname: 122 168 168 2 10 Disconnect 255 255 255.0 0 Remote Status MT8860C (Senia 001330003) found at IP address 192 168 168 2 0	If you want to <u>Host PC</u> IP: 192.168.168 Subnet: 255.25 <u>MT8860C</u> IP: 192.168.168 And need cross	use LAN, yo .1 5.255.0 .2 s-over cable	ant Number	B 2t
PER Test	Numeric Results			_D×
Remote Advanced Settings and Information				
Network Status: Disconnected SSID: MT8860C	BSSID: A854B26D8D1C	WLAN REF	MN8861A: Not Found	No Tests Running

Basic step and Beacon setting

Test Configuration	🚺 Power Profile	
Wireless Test Signal Generator System Utilities	Ê., 1	1
Churchard 002.11b		
Test Mode: Network		
Channel #: [C (2/27 MHz) Power Level: 50 dPm	G -0.1 -0.05 0	0.05 0.1 0.15
	Start (ma) Star (ma) Rk (dRm) Aug (dRm) R	I ime (ms)
Data Rate: 11 💌 Mbps DUT Tx Pwr: 30 dBm	G1 -0.050 0.100	
	G2 0.200 0.350	
Network Setup Rx Testing Tx Testing	Canadani Danfilan	
C Ad-Hoc (MT8860C creates)		
C Ad-Hoc (M18860C joins) C Infrastructure (STA)	9 8 -50	
Network Settings		
	-35 -22	-11 0
		Relative Frequency
Beacon Configuration IP Properties	0 Power (dBr)	
J5		
Device Tree		
Beacon Configuration		
6		
Beacon Settings	Information Element	
Operational Rate Set: Multiple Rates 💌 🗌 Inc	clude in Beacon & Probe Response Frames	EVM Results
Beacon Interval: 0 v1024 us Begiot	n/Country Code:	Min Average
Preamble: Long - Freque	ency Band: 2.4GHz 💌	
Create Net	annel Number: 0	Offect (dP) Photo (deg.)
Path Loss Settin I Indication Map (TIM) element	er of Channels: 0	
Maxim	um Tx Power: 0 dBm	
Run Once nclude more data indication in data frames	,	
ERP Inf	ormation Element	
nclude more data indication in beacon frames	lude in Beacon & Probe Response Frames	
	9	
8	OK	

IP setting



Path loss setting

Anritsu LANLook - Running in Simulation Mode	
File Configure Tools Help	~
Test Configuration	Power Profile
Wireless Test Signal Generator System Utilities	Ê <u>1</u> 1
Wireless Settings	
Standard: 802.11b	
Test Mode: Network	
Channel #: 6 (2437 MHz) 💽 Power Level: -50 dBm	Path Loss Settings 0.15 Time (ms)
Data Rate: 11	
Network Setup Rx Testing Tx Testing	Path Loss Data 3
MT8860C Role	Channe <mark>l: 6 (2437 MHz) 🗨</mark> Path Loss: 11.0 dB
Ad-Hoc (MT8860C creates) Infrastructure (AP)	
C Ad-Hoc (MT8860C joins) C Infrastructure (STA)	Add Update Delete Delete All
Network Settings	Path Loss Table (2.4 GHz band)
SSID: MT8860C	
	Channel Tx Loss (dB) Hx Loss (dB)
Beacon Configuration IP Properties	
Derive Text	
	ts
	Average
Create Network Get MAC Addresses Connect	Phase (deg)
Path Loss Settings	
Run Ohce Run Continuous Stop	Enable Path Loss Correction

Connection between DUT and MT8860C

Test Configuration	n				
Wireless T	est 👌	Signal Generator		System Utilities	
└ [─] Wireless Settings					
Standard:	302.11Ь	•			
Test Mode:	Network	•			
Channel #: 🛛 🖯	6 (2437 MH	z) 🔻	Power Level:	-50	dBm
Data Rate: 1	11	 Mbps 	DUT Tx Pwr:	30	dBm
Network S	etup	Bx Te	esting	Tx Testing	,
MT8860C Role		-			
C Ad-	Hoc (MT88	360C creates)	⊙ Ir	frastructure (AP)	
C Ad-	Hoc (MT88	360C joins)	⊖ Ir	frastructure (STA)	
- Network Setting]s				
SSID: MT88	360C				_
		- a - 1			
Beacon Configuration IP Properties					
Device Tree					
		-			
After push no.1, you can find DUT on					
Device Tree box. Then progress 2->3 step.					
		2		3	
Create Ne	etwork	Get MAC A	\ddresses	Connect	
Path Loss Setti	ngs 鱼			Network Advanced	Info
Run Once		Run Continuc	ous	Stop)

Rx testing



Tx testing

