

Тестирование пропускной способности PTP650 Cambium Networks



PTP 650



1. Дальность 12 км LOS, антенны 29 dBi

System Status - Master

Equipment			Wireless		
Attributes	Value	Units	Attributes	Value	Units
Link Name	DIGICOM_650		Wireless Link Status	Up	
Site Name	MASTER		Maximum Transmit Power	27	dBm
Software Version	50650-01-42		Remote Maximum Transmit Power	27	dBm
Hardware Version	B0P05.00-C		Transmit Power	27.0, 24.9, -15.0, 23.0	dBm
Unit ESN	0004565069BD		Receive Power	-48.7, -84.7, -110.0, -52.6	dBm
Unit MSN	2249RL0439		Vector Error	7.2, -8.7, -30.6, -29.7	dB
Regulatory Band	16 - 5.9 GHz - Other		Link Loss	103.0, 43.7, 0.0, 101.6	dB
Elapsed Time Indicator	00:16:20		Transmit Data Rate	228.01, 28.22, 0.00, 39.65	Mbps
Ethernet / Internet			Receive Data Rate	396.51, 152.87, 0.00, 396.51	Mbps
Main PSU Port Status	Copper Link Up		Link Capacity Variant	Full	
Main PSU Port Speed And Duplex	1000 Mbps Full Duplex		Link Capacity	446.56	Mbps
Aux Port Status	Down		Transmit Modulation Mode	256QAM 0.81 (Dual) (45 MHz)	
Aux Port Speed And Duplex			Receive Modulation Mode	256QAM 0.81 (Dual) (45 MHz)	
MAC Address	00:04:56:50:69:bd		Link Symmetry	Adaptive	
Remote MAC Address	00:04:56:50:68:e4		Receive Modulation Mode Detail	Running At Maximum Receive Mode	
Remote Internet Address	http://10.170.1.2		Range	12.4	km
TDD Synchronization					
TDD Synchronization Interface	Disabled				
Status Page Refresh Period	5	Seconds			

Рис.1 Статус системы PTP 650, линк 12 км

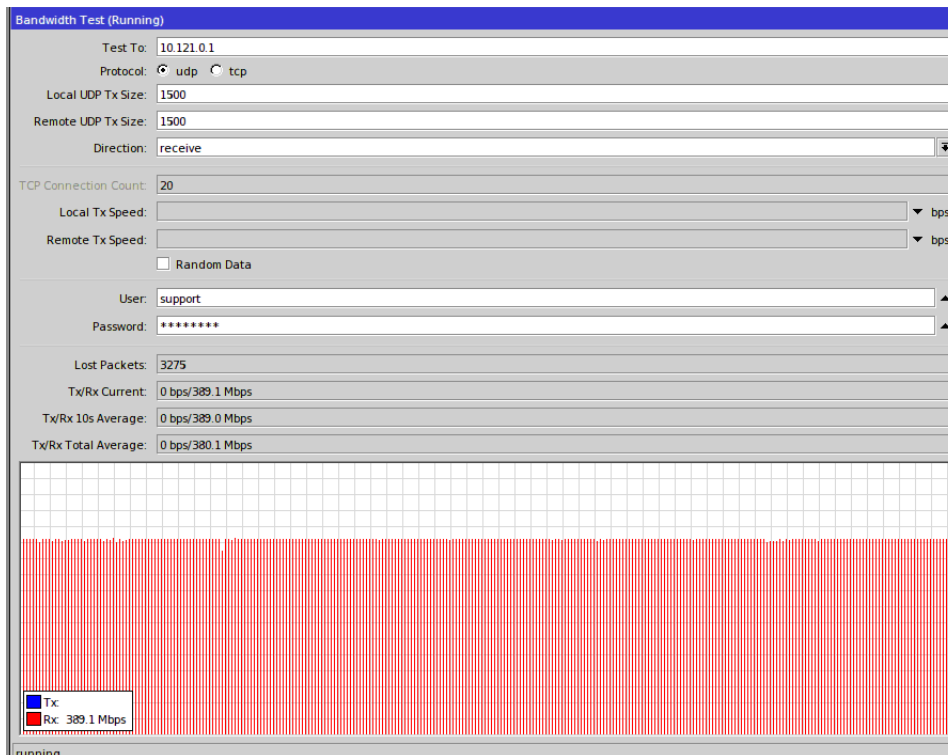


Рис.2 PTP650 12 км, 45 MHz, 390 Mbps Download UDP 1500 bytes

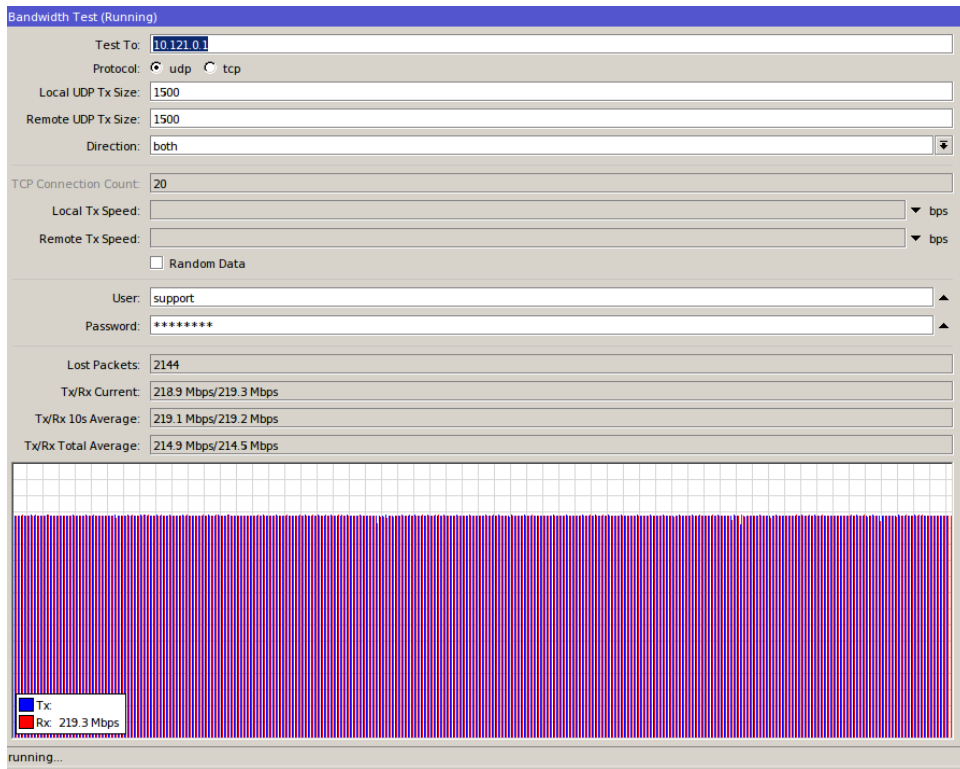


Рис.3 РТР650 12 км, 45 МГц, 215+215 =430 Mbps Duplex UDP 1500 bytes

2. Дальность 50 км LOS, антенны 34 dBi

System Status - Master

Link: enrg Site: p2

Equipment

Attributes	Value	Units
Link Name	enrg	
Site Name	p2	
Software Version	50650-01-40	
Hardware Version	B0P04.01-I	
Regulatory Band	16 - 5.9 GHz - Ukraine	
Elapsed Time Indicator	00:10:45	

Ethernet / Internet

Main PSU Port Status	Copper Link Up	
Main PSU Port Speed And Duplex	1000 Mbps Full Duplex	
Aux Port Status	Down	
Aux Port Speed And Duplex		
MAC Address	00:04:56:50:00:fb	
Remote MAC Address	00:04:56:50:01:eb	
Remote Internet Address	http://10.0.229.109	
TDD Synchronization		
TDD Synchronization Interface	Disabled	
Status Page Refresh Period	2	Seconds

Wireless

Attributes	Value	Units
Wireless Link Status	Up	
Maximum Transmit Power	27	dBm
Remote Maximum Transmit Power	27	dBm
Transmit Power	27.0, 22.8, -15.0, 23.0	dBm
Receive Power	-51.6, -59.1, -110.0, -58.1	dBm
Vector Error	7.2, -26.9, -29.8, -28.3	dB
Link Loss	129.4, 122.4, 0.0, 127.1	dB
Transmit Data Rate	363.15, 245.99, 0.00, 363.15	Mbps
Receive Data Rate	197.15, 71.21, 0.00, 36.31	Mbps
Link Capacity Variant	Full	
Link Capacity	424.60	Mbps
Transmit Modulation Mode	256QAM 0.81 (Dual) (45 MHz)	
Receive Modulation Mode	256QAM 0.81 (Dual) (45 MHz)	
Link Symmetry	Adaptive	
Receive Modulation Mode Detail	Running At Maximum Receive Mode	
Range	50.4	km

Update Page Refresh Period Reset form

Рис 4 . Статус системы РТР 650, линк 50 км

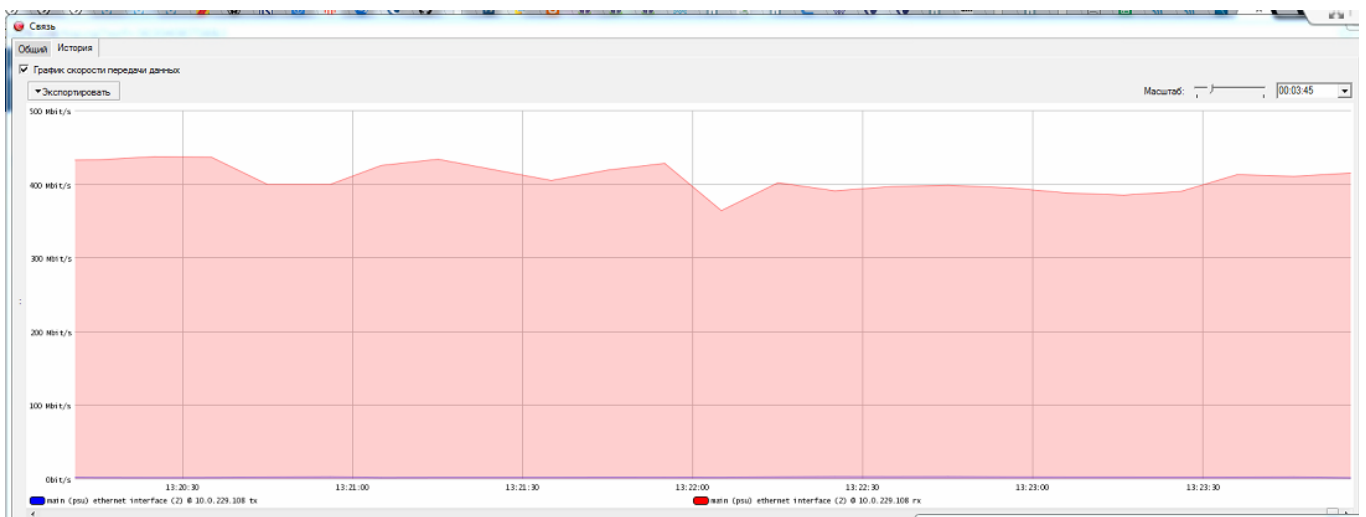


Рис.5 РТР650 50 км 45 MHz, 400 Mbps Download TCP/IP реальный трафик (data,video, torrent)