

Quantum Communication Group

Quantum key distribution Systems

Specifications

Maximum length of quantum channel	100 km
Secret key rate (@ 100 km)	1 kbps
Wavelength	1550 nm

Quantum Key Distribution Over Optical Fiber

Receiver



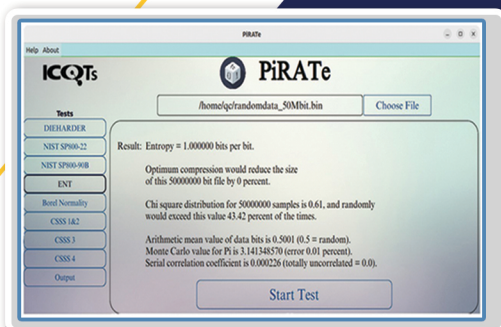
Sender



Quantum Random Number Generation



Random number statistical tests software



Specifications

Model	Z-1002	Z-2001
PERFORMANCE		
Bit rate	1 Mbps	200 Mbps
Quantum Entropy Source	Quantum Tunneling	
RANDOMNESS CERTIFICATIONS		
DIEHARDER	Passed	
NIST SP-800-22	Passed	
NIST SP-800-90B	Passed	
ENT	Passed	
Borel Normality	Passed	

DIEHARDER	NIST SP-800-90B	Borel Normality	CSSS 3
NIST SP-800-22	ENT	CSSS 1&2	CSSS 4