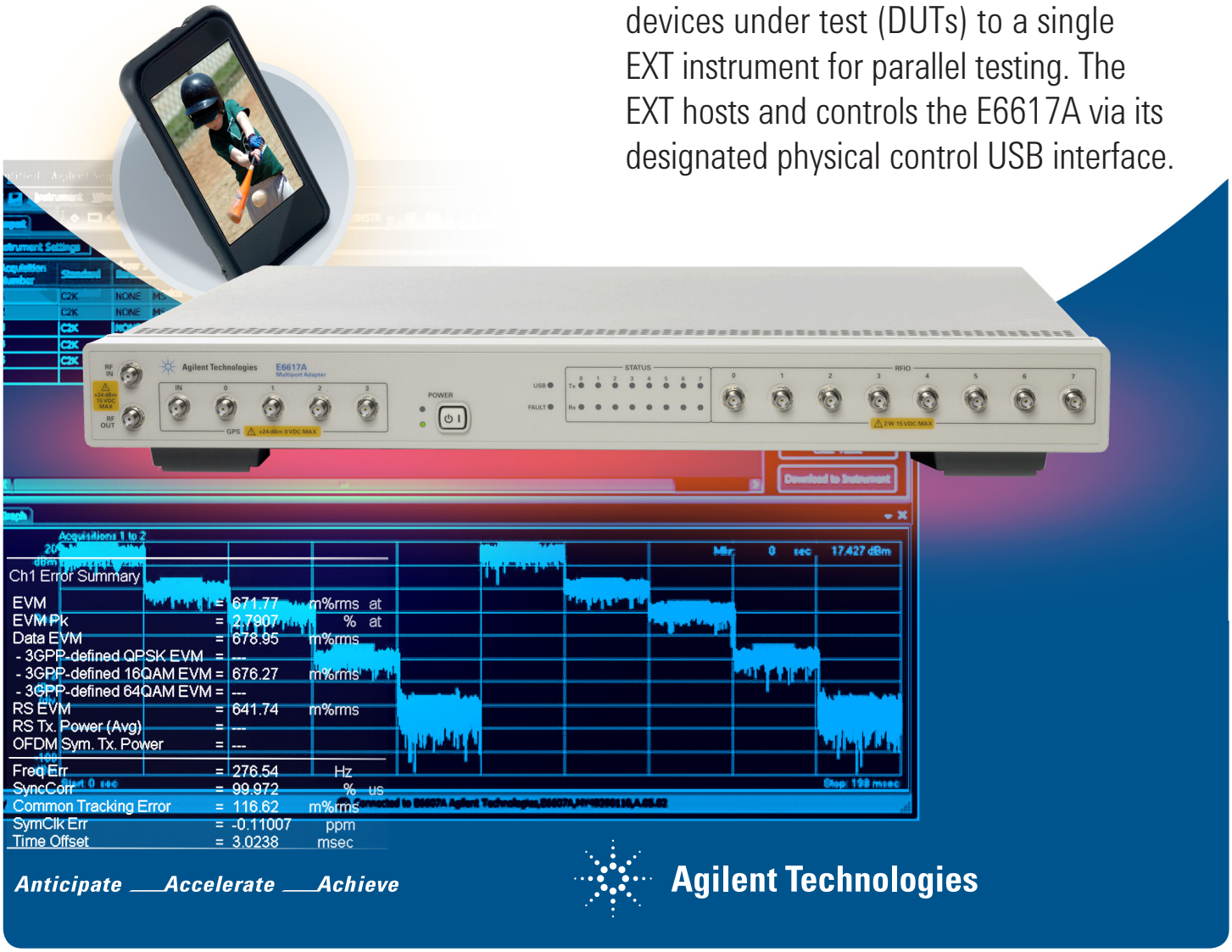
Agilent E6617A Multiport Adapter

Data Sheet

Used with the Agilent Technologies EXT wireless communications test set, the Agilent Technologies E6617A multiport adapter helps you significantly accelerate throughput during non-signaling wireless device manufacturing test. The E6617A enables the connection of multiple devices under test (DUTs) to a single EXT instrument for parallel testing. The EXT hosts and controls the E6617A via its designated physical control USB interface.



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Definitions and Conditions

All data listed are nominal values when the E6617A is used in conjunction with EXT. Nominal values indicate expected performance, or describe product performance that is useful in the application of the product, but are not covered by the product warranty. This data does not include measurement uncertainty, and is valid only at room temperature (approximately 25 °C).

General RF performance	
RFIO frequency range	75 to 3600 MHz
GPS frequency range	1100 to 1700 MHz
RFIO Input power range	+30 to –65 dBm
RFIO Output power range	–12 to –130 dBm
GPS Output power range	–45 to –130 dBm
RFIO maximum safe input power (all ports)	+33 dBm, CW
RF In, RF Out, and GPS maximum safe input power	+24 dBm, CW
Operating temperature	+5 to +50 °C
Storage temperature	–40 to +70 °C
Size and weight	
Dimensions (H x W x D)	1.75" x 16.8" x 14.5"
Weight (without shipping package)	4.8 kg (10.6 lbs)
Weight (with shipping package)	10.4 kg (22.9 lbs)
Front panel RF connectors	
RF In	Type-SMA female, 50 Ω nominal
RF Out	Type-SMA female, 50 Ω nominal
GPS In and 0-3 Out	Type-SMA female, 50 Ω nominal
RFIO 0-7	Type-SMA female, 50 Ω nominal
Rear panel USB 2.0 ports	
Standard	Compatible with USB 2.0
Connector	USB Type-B female
Rear panel (Trig 1, Trig 2, Trig Out connectors)	
Connector	BNC female
Trigger level range	TTL compatible
Nominal RF Input and Output performance	
DL port balance	< ±0.25 dB
DL accuracy	< ±0.60 dB
UL accuracy	< ±0.60 dB
RFIO port (on to off) isolation (single port)	> 45 dB
Output RFIO port-port isolation (any 2 ports)	> 50 dB
Input RFIO port to output RFIO port isolation (any 2 ports)	> 60 dB
RFIO port VSWR	< 1.4:1
GPS port accuracy	< ±0.60 dB
GPS port VSWR	< 1.22:1

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