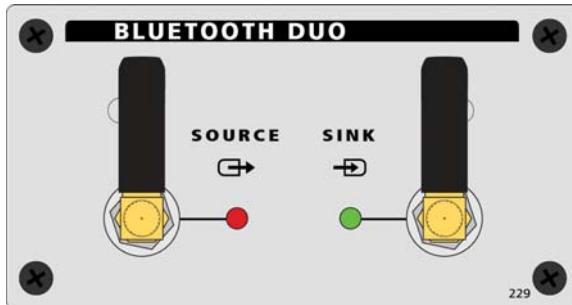


Bluetooth input/output module specifications

with APx500 v4.5 or higher measurement software
as fitted in APx52x, 555 and 58x audio analyzers
NP0020.00026 rev A
July 2017



This illustration shows the Bluetooth Duo module, model 229.

These specifications cover the digital input and output functions of the Audio Precision Bluetooth Duo interface.

Bluetooth is a short-distance (a few meters) control, data, and audio communications wireless technology. Bluetooth uses low power, frequency-hopping radio in the 2.4 GHz band. Communication is two-way (for handshaking, metadata, etc); some profiles (HFP, for example) support duplex audio (both directions simultaneously); some profiles (A2DP) support only simplex audio (one direction per connection). Audio Precision supports several audio-specific Bluetooth profiles for audio test.

Bluetooth specifications begin on the next page.

Characteristic	Specifications	Supplemental Information
Bluetooth Core Version	4.2	
Profiles/Roles, versions	A2DP Source/Sink 1.3 AVRCP Controller/Target 1.4 HFP Hands-Free 1.7 HFP Audio Gateway 1.7 HSP Headset/Audio Gateway 1.2	
A2DP Codecs	SBC aptX aptX Low Latency aptX HD AAC	
HFP Codecs	CVSD mSBC	
RF Connections, Source and Sink	SMA x2	
RF Input Impedance		Typically 50 Ω
RF Output Impedance		Typically 50 Ω
RF Power		Typically 0 dBm
		Typical maximum +8 dBm
RF Sensitivity (0.1% BER)		Typically -81 dBm