

28GHz Dual Channel Up-Down Converter

Enjoy Higher Frequency At Lower Cost

Engineered for 3GPP n257, n258 and n261 applications and testing.

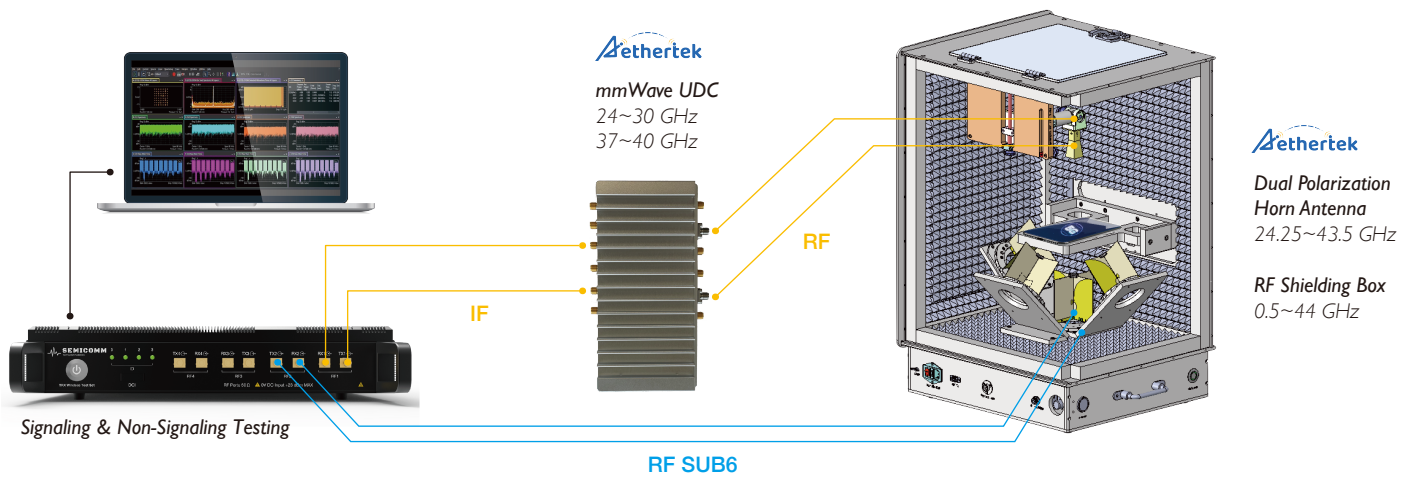
Enjoy the advantage of a wide IF range that allows outstanding EVM with ultra low frequency error.

Finally, you can replace high-end mmWave instruments with a far more economical testing solution.

Welcome to Aethertek UDC value, it lets you win the 5G race.

Features

- One entity frequency Up/Down conversions for IF-RF transition.
- Excellent EVM performance with ultra low frequency error.
- Internal/ external LO support mode and external instrument sync-up feature for better EVM performance.
- High-speed hardware trigger feature for signaling test.
- Perfect integration with other Aethertek 5G mmWave products for production line MP testing.



Specifications

Parameters	Conditions	Min.	Typ.	Max.	Unit
RF Frequency Range		24		30	GHz
IF Frequency Range		2.6		5.8	GHz
Internal LO Frequency	Controlable	4.8		6.6	GHz
Internal LO Frequency Resolution			100		MHz
External LO Frequency Range		4.8		6.6	GHz
Conversion Gain	UP-conversion (TX)		15		dB
	Down-conversion (RX)		2		dB
Output P1dB			7		dBm
Duplex Mode	TDD				
DC Supply Voltage		—	12	—	V
DC Supply Current		—	—	3	A
Reference Clock	IN / OUT	—	10	—	MHz