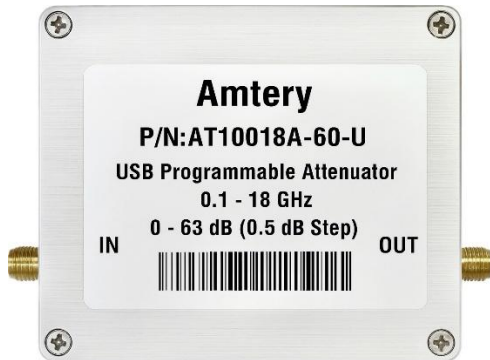




RoHS Compliant

Insertion loss compensated

USB Type-C interface

GUI and API control

Electrical Specifications

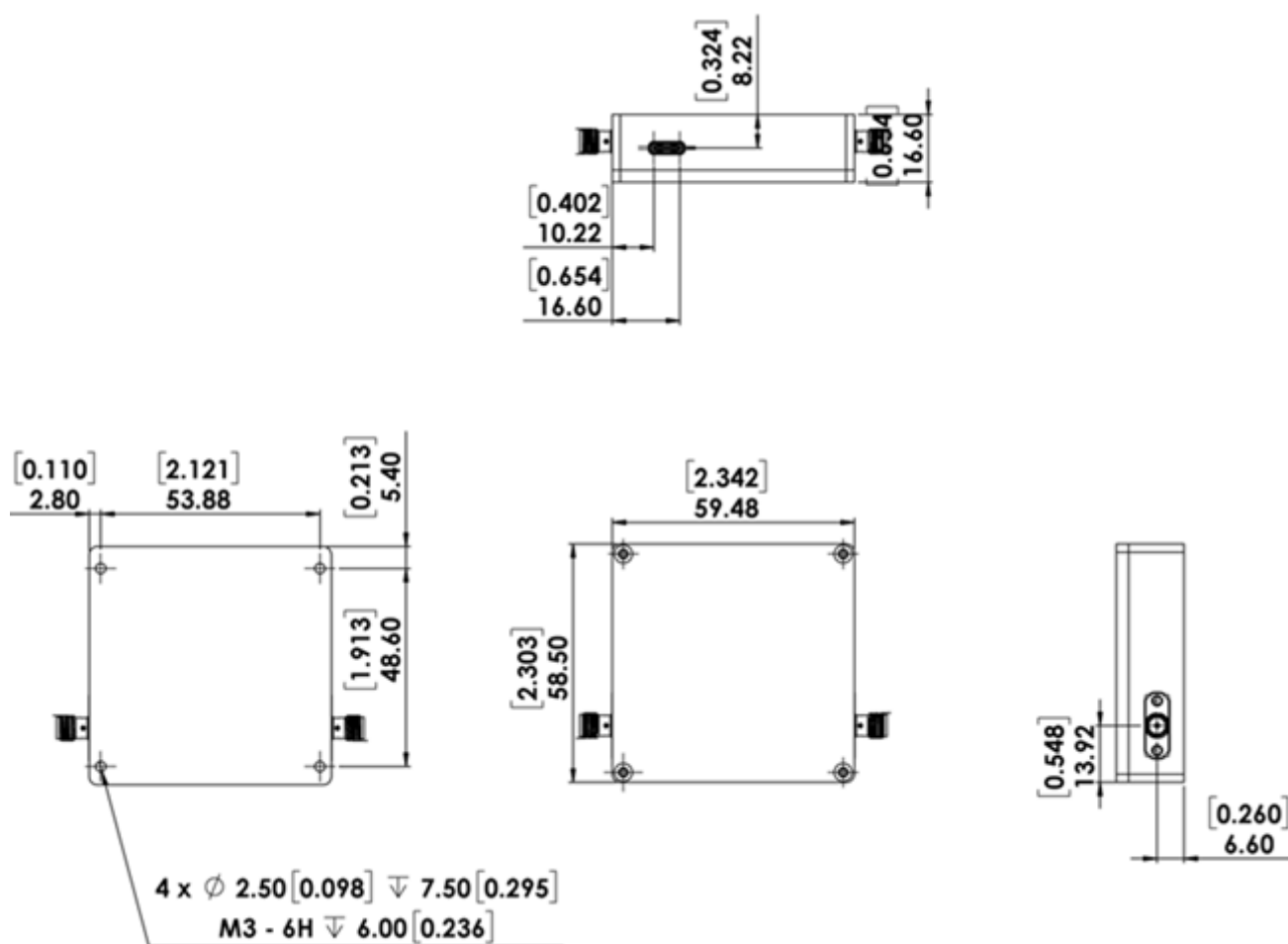
Parameter		Unit	Frequency (MHz)	Conditions	Min.	Typ.	Max.
Attenuation Range		dB	100 - 18000		0		63
Step		dB				0.5	
Insertion Loss (I.L.)		dB		100 - 8000MHz @ 0 dB Atn.		4.5	6
				8000 - 18000MHz @ 0 dB Atn.		7.5	9.5
Attenuation Accuracy	Compensate I.L. "OFF" ¹	dB		@ 0 - 20 dB Atn.		-0.5 - +0.25	
				@ 20 - 40 dB Atn.		-0.8 - +0.4	
				@ 40 - 63 dB Atn.		-1.5 - +0.5	
	Compensate I.L. "ON" ²			@ 0 - 20 dB Atn.		±0.4	
				@ 20 - 40 dB Atn.		±0.7	
				@ 40 - 63 dB Atn.		±1.3	
Input Operation Power		dBm					25
IP3 Input		dBm		@ 0 dB setting		47	
IP1dB		dBm		@ 0 dB setting		30	
VSWR		:1		Input @ 0 dB Atn.		1.9	
				Output @ 0 dB Atn.		1.8	
Supply Voltage Range (Vdd)		V		via USB type-C	4.75	5	5.25
USB Current Draw (Idd)		mA		Vdd = 5V		62	

Operated in 50Ω system, 25°C

¹ Compensate Insertion Loss "OFF": This attenuation is relative to insertion loss. S_{21} = attenuation setting + insertion loss.

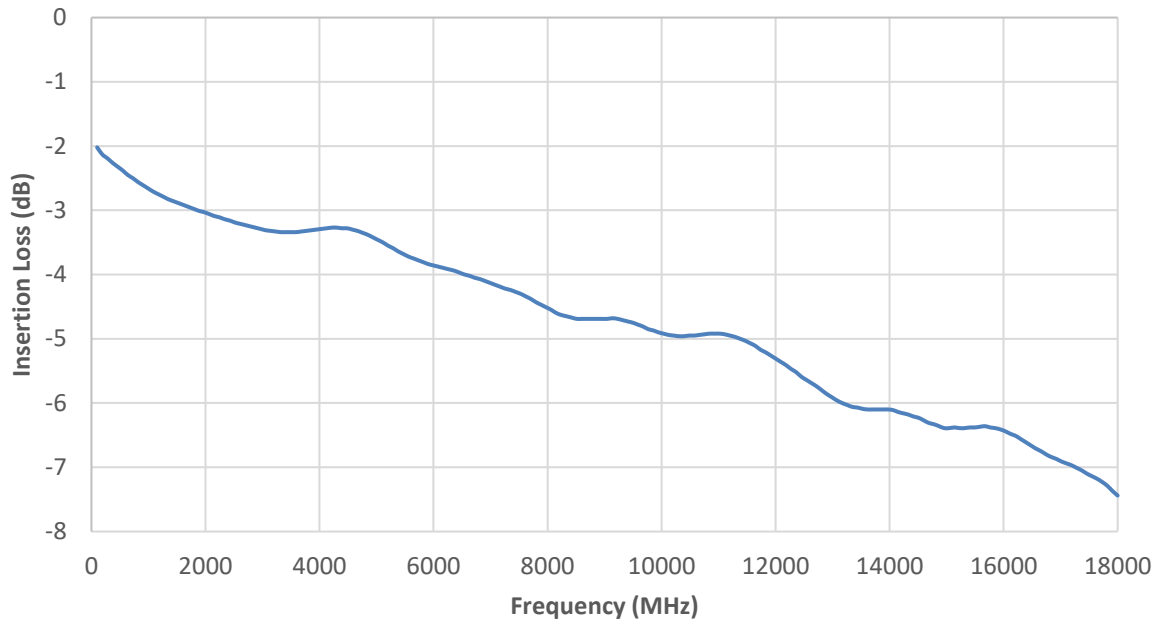
² Compensate Insertion Loss "ON": The absolute attenuation including insertion loss. S_{21} = attenuation setting.

Outline Drawing

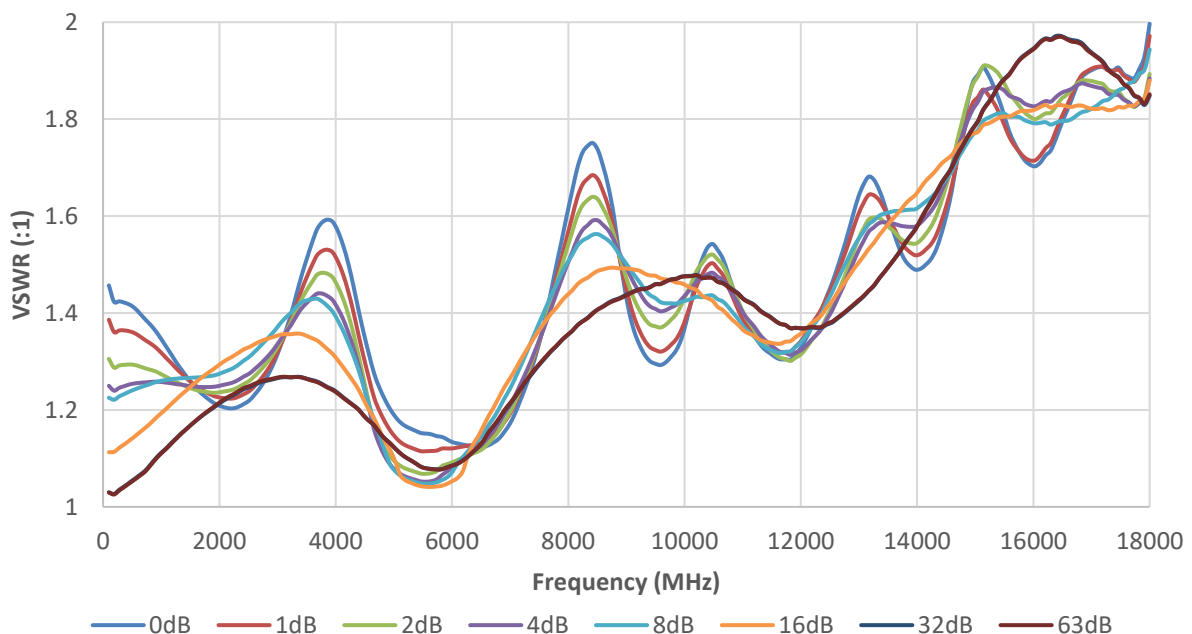


Connectors: SMA Female, USB Type-C

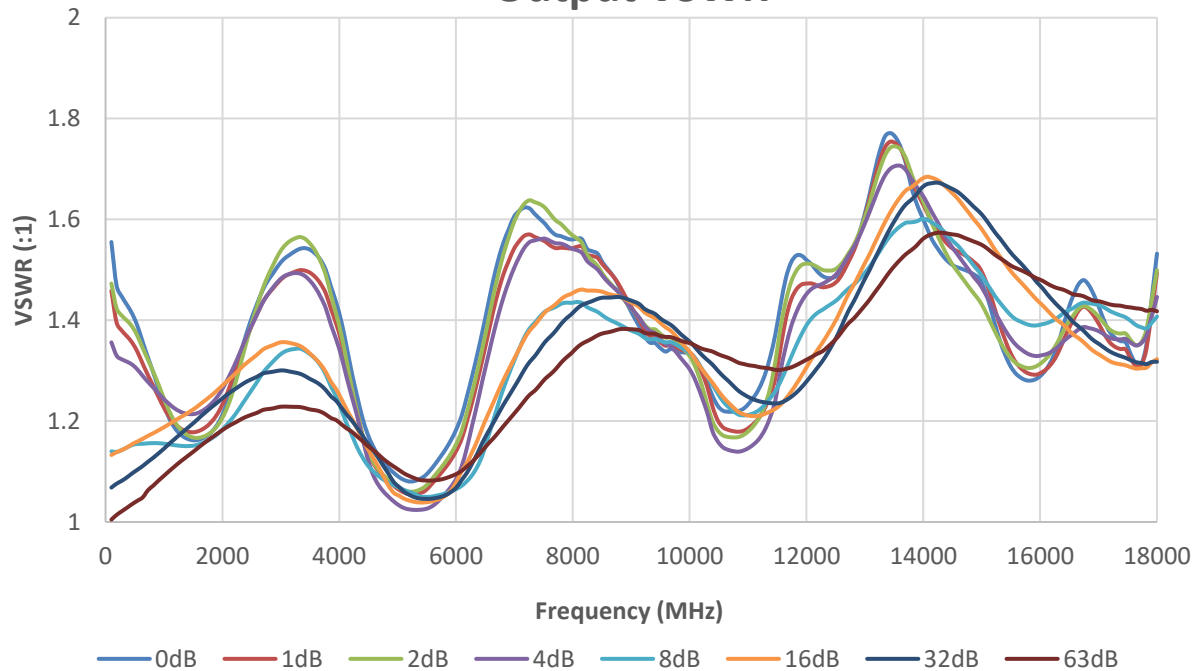
Insertion Loss



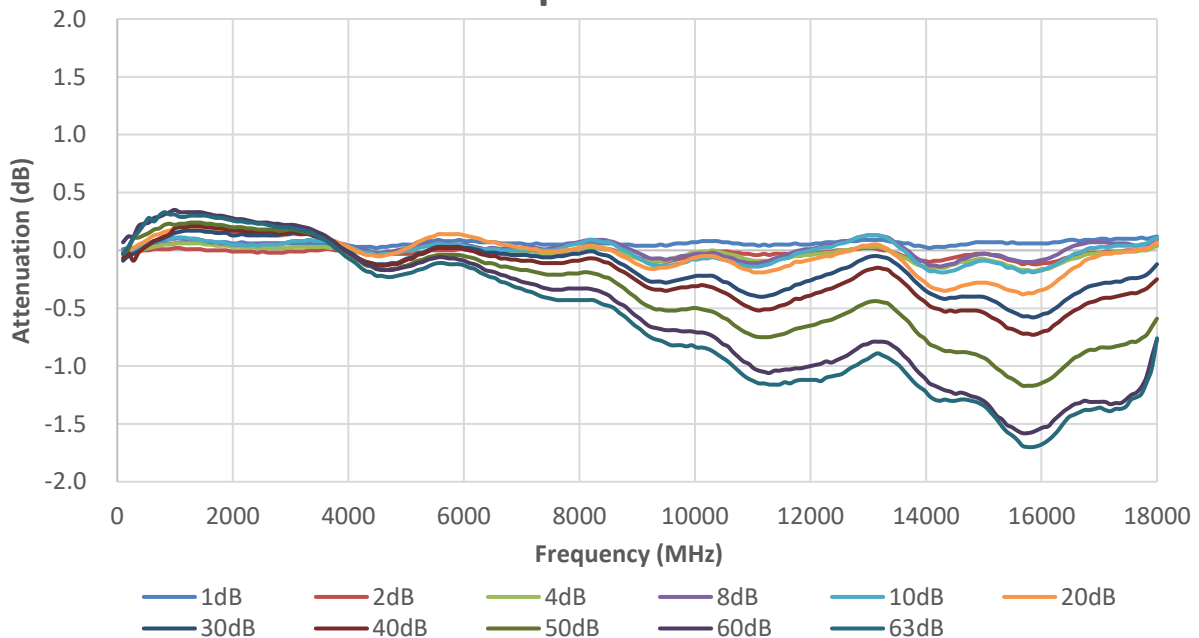
Input VSWR

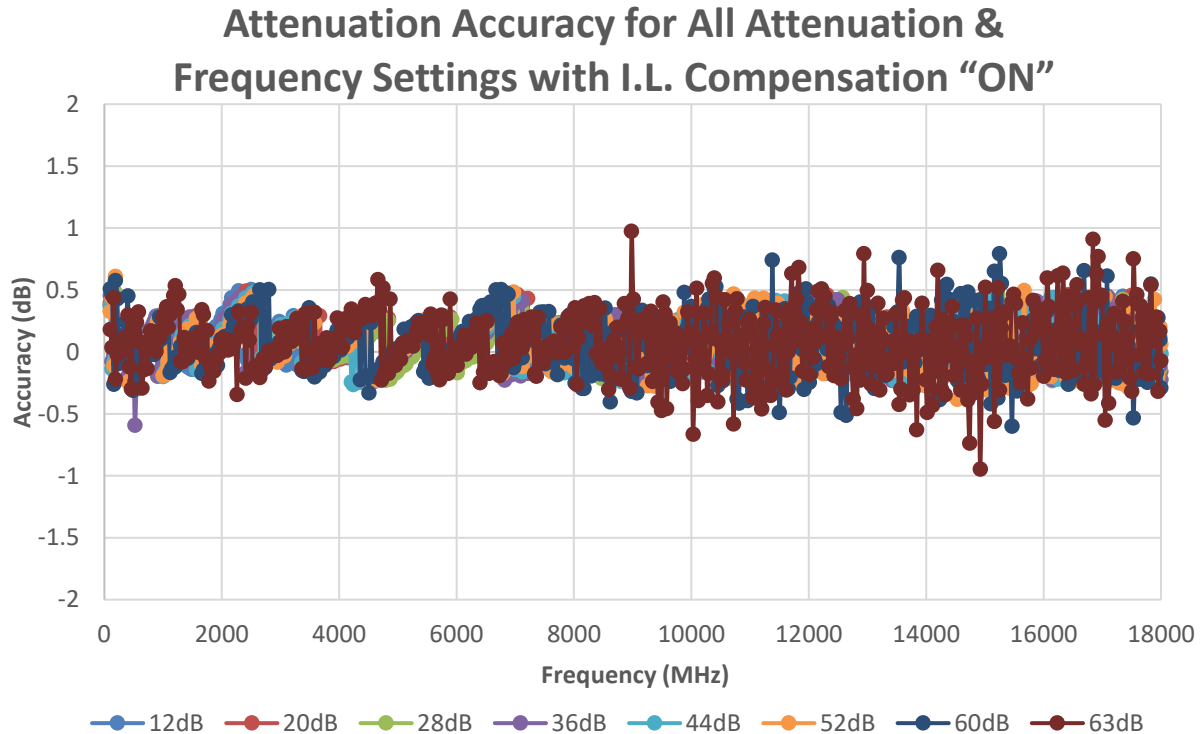
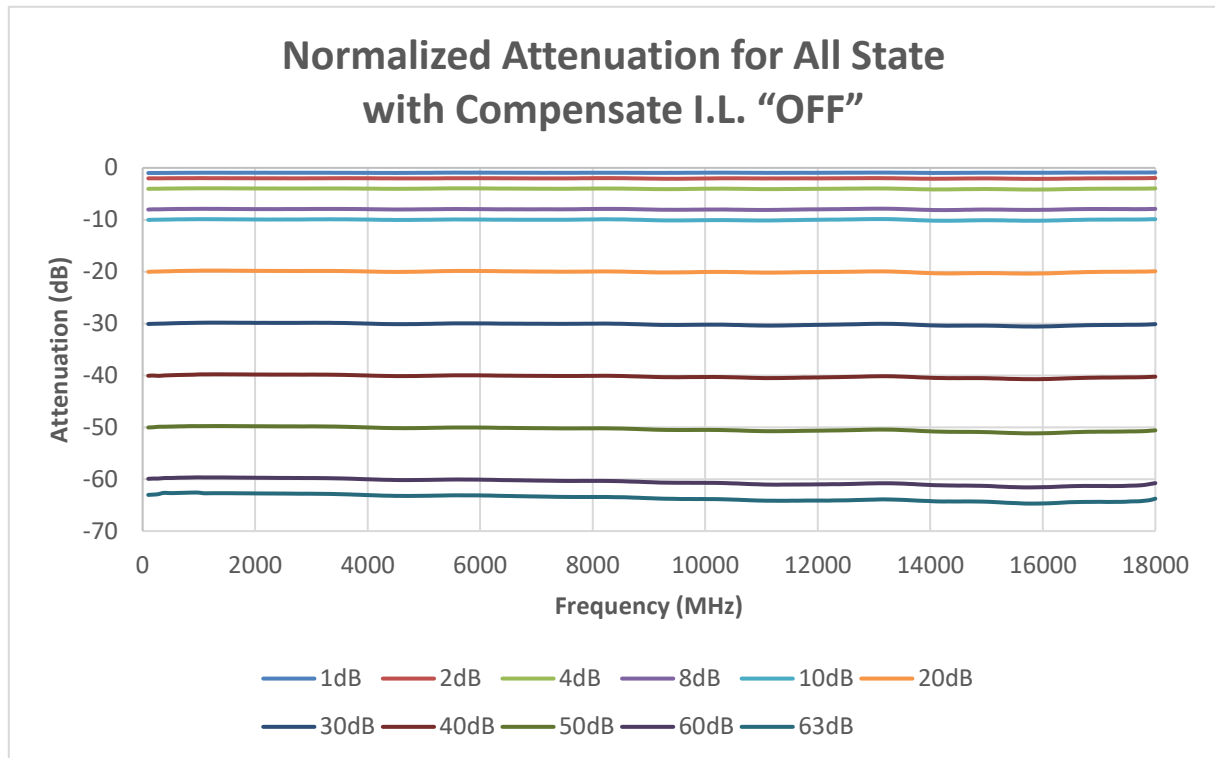


Output VSWR

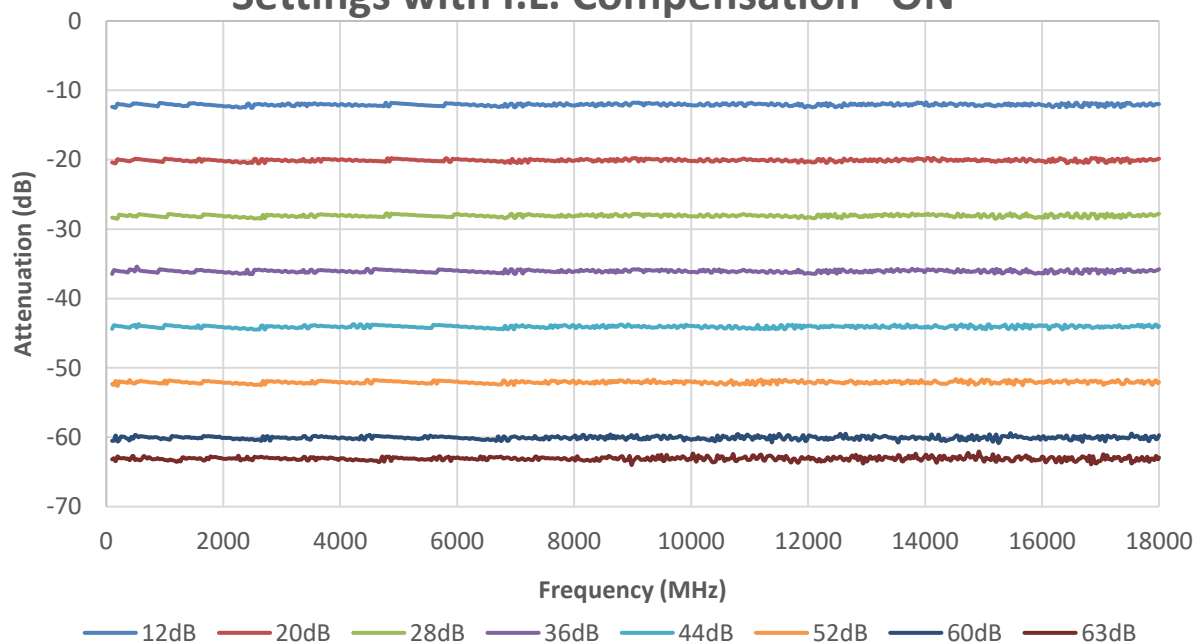


Normalized Attenuation Accuracy for All State with Compensate I.L. "OFF"



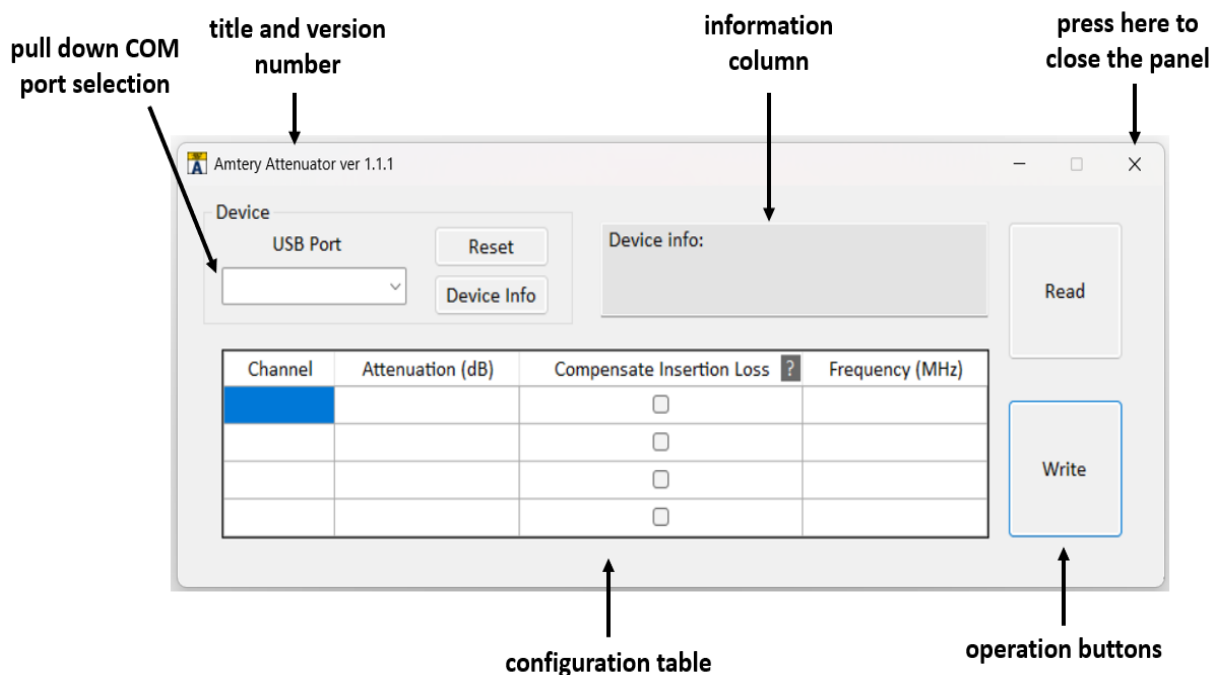


Attenuation for All Attenuation & Frequency Settings with I.L. Compensation "ON"



Graphical User Interface

Attenuator Software Panel controls Amtery attenuators with USB interface without programming.



To enable the compensation function, select the “Compensate Insertion Loss” checkbox and enter the desired frequency.

Compensation can only be applied to a single frequency point.

To disable the compensation function, clear the “Compensate Insertion Loss” checkbox. The “Frequency (MHz)” field will be disabled.

Typical performance S-parameter file: <https://www.amtery.com/en/goods-99>

For each S/N S-parameter file, go to <https://www.amtery.com/en/downloads>

Note: Specifications are subject to change without notice.