



RoHS Compliant

Insertion loss compensated

USB Type-C interface

GUI and API control

Electrical Specifications

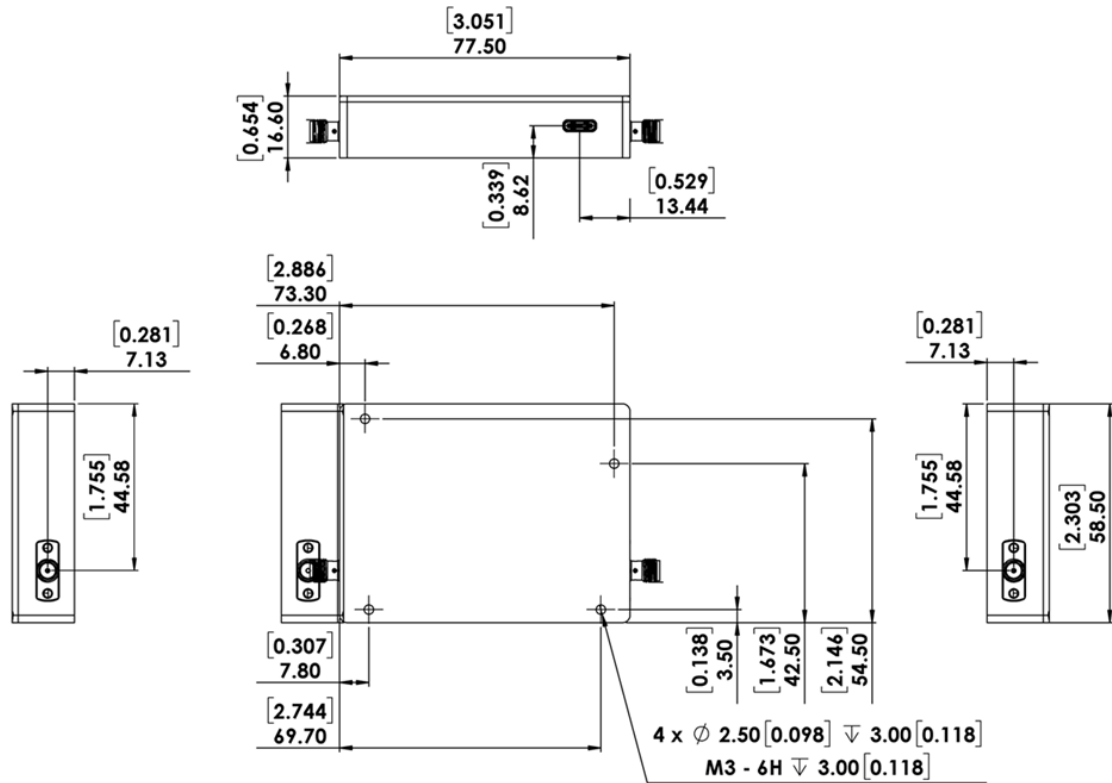
Parameter		Conditions	Min.	Typ.	Max.	Unit
Frequency			50		8000	MHz
Attenuation Range					90	dB
Step				0.25		dB
Insertion Loss (I.L.)		50 - 4000MHz @ 0 dB Att.		7.5	9	dB
		4000 - 8000MHz @ 0 dB Att.		12.1	14	
Attenuation Accuracy	Compensate I.L. "OFF" ¹	0 - 30 dB Att.		-0.4 - +0.8		dB
		30 - 60 dB Att.		-0.8 - +1.2		
		60 - 90 dB Att.		±1.9		
	Compensate I.L. "ON" ²	0 - 30 dB Att.		±0.4		
		30 - 60 dB Att.		±0.8		
		60 - 90 dB Att.		±1.5		
Input Operation Power					28	dBm
IP3 Input		0 dB Att.		50		dBm
IP1dB		0 dB Att.		27		dBm
VSWR		Input @ 0 dB Att.		1.8		:1
		Output @ 0 dB Att.		1.8		
Interface		USB Type-C				

Operated in 50Ω system, 25°C

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

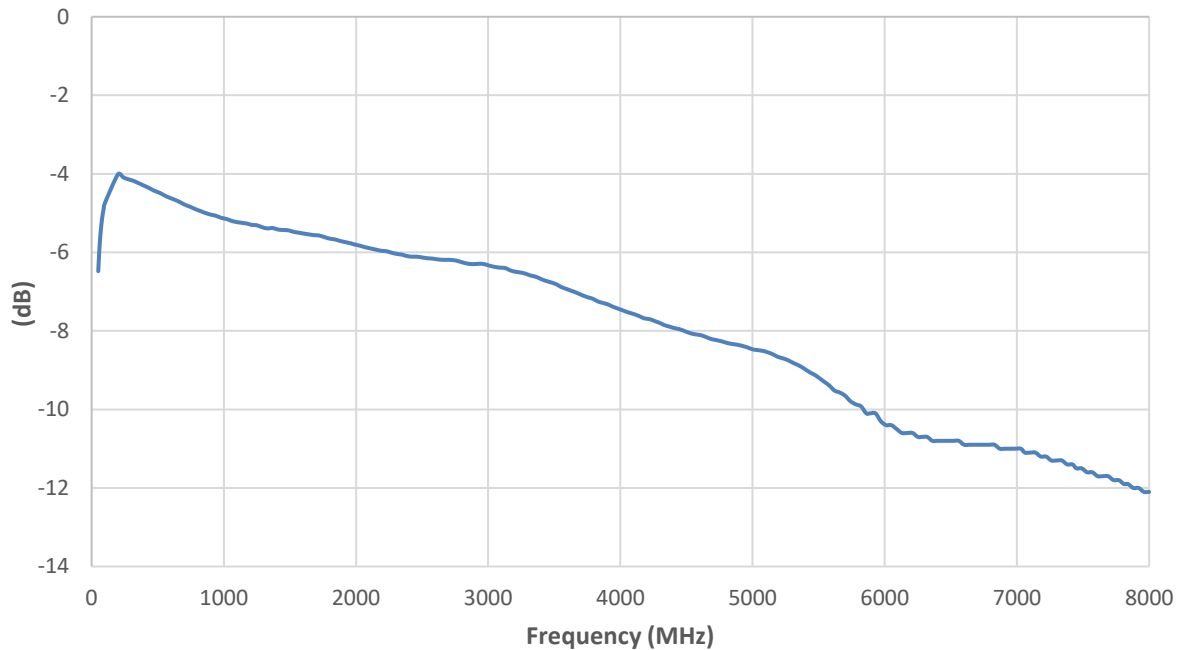
² Compensate Insertion Loss "ON": The absolute attenuation including insertion loss. S_{21} = attenuation setting.

Outline Drawing

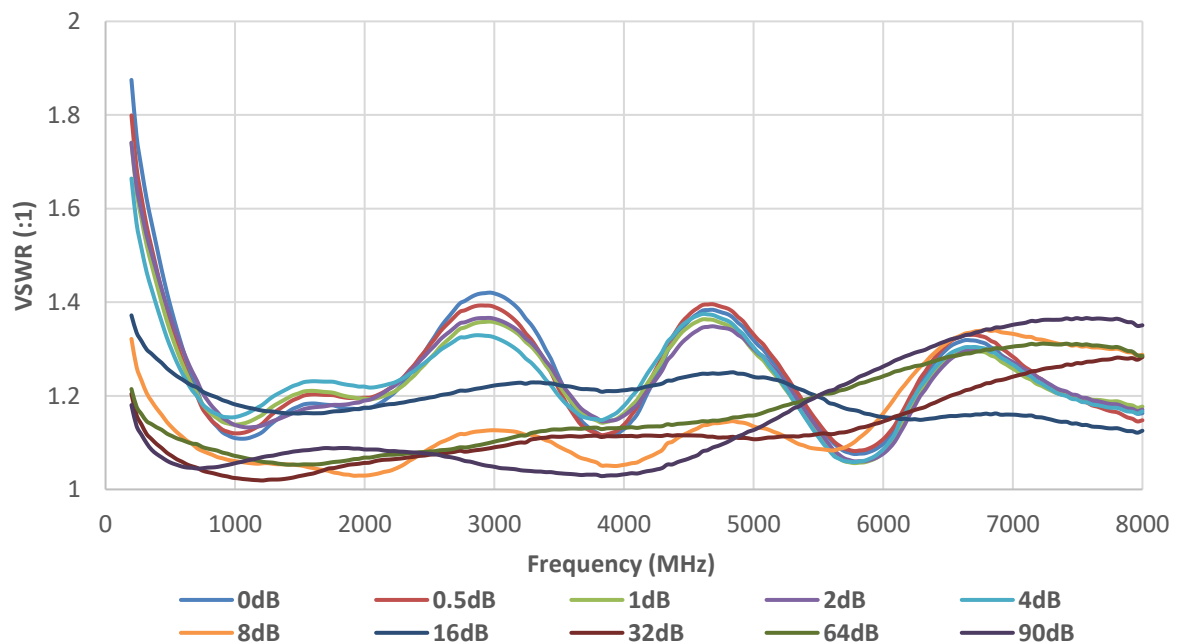


Connectors: SMA Female, USB Type-C

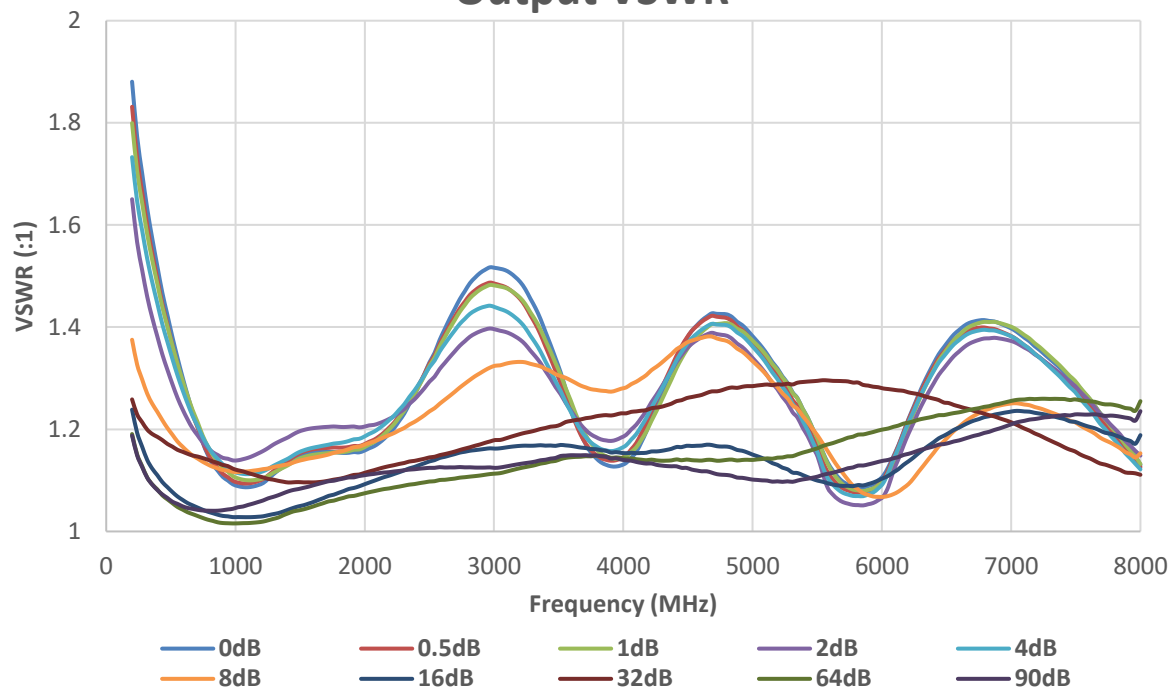
Insertion Loss



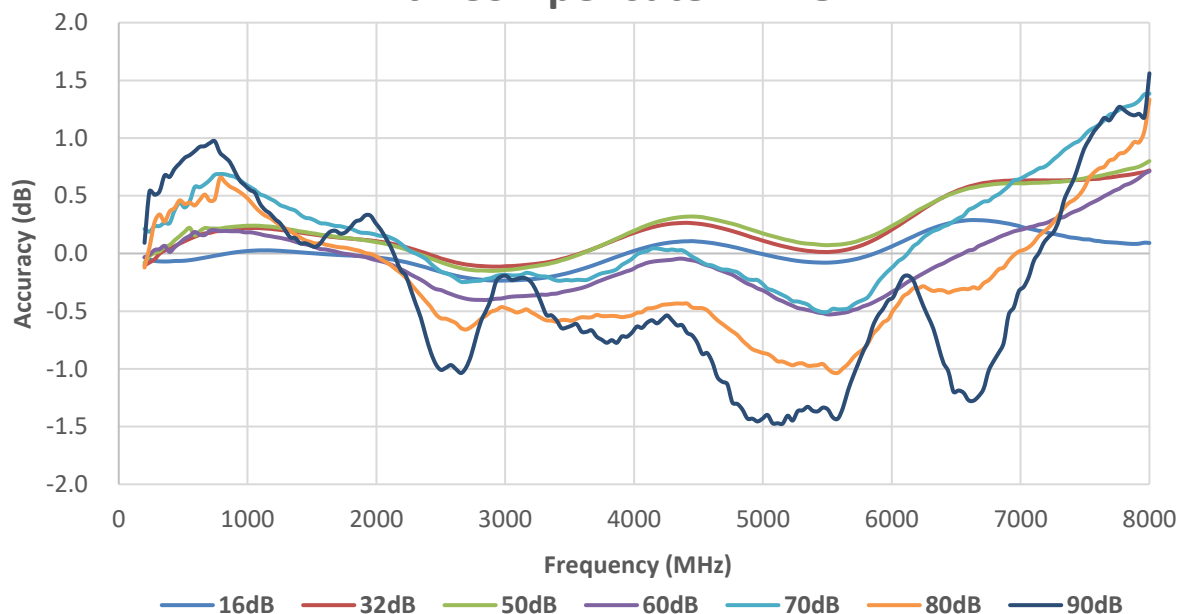
Input VSWR



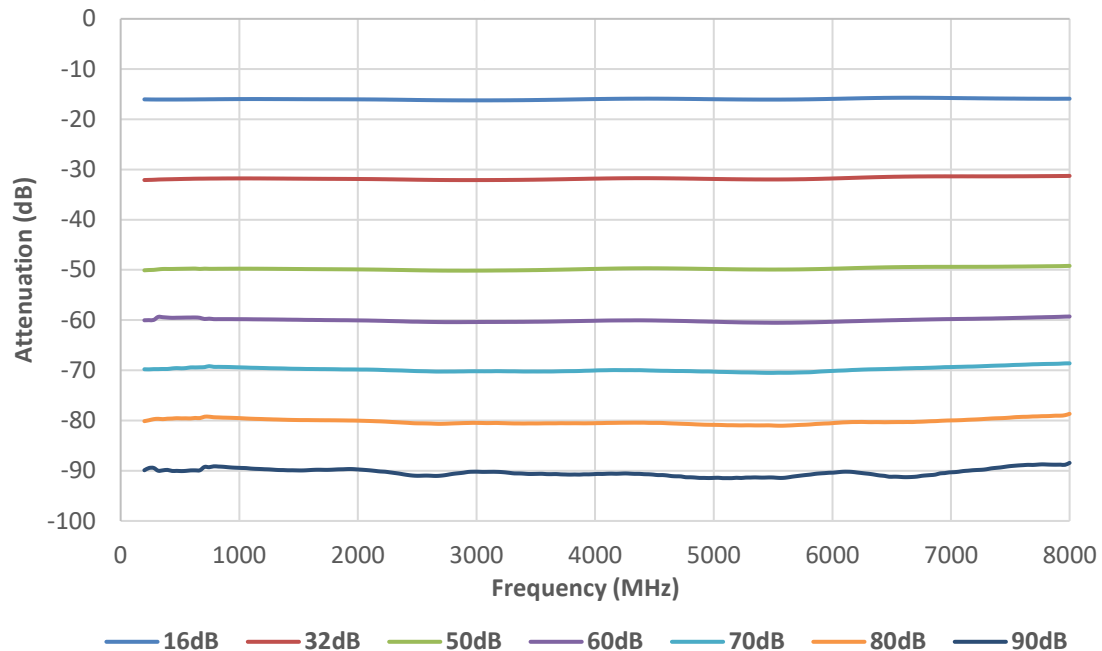
Output VSWR



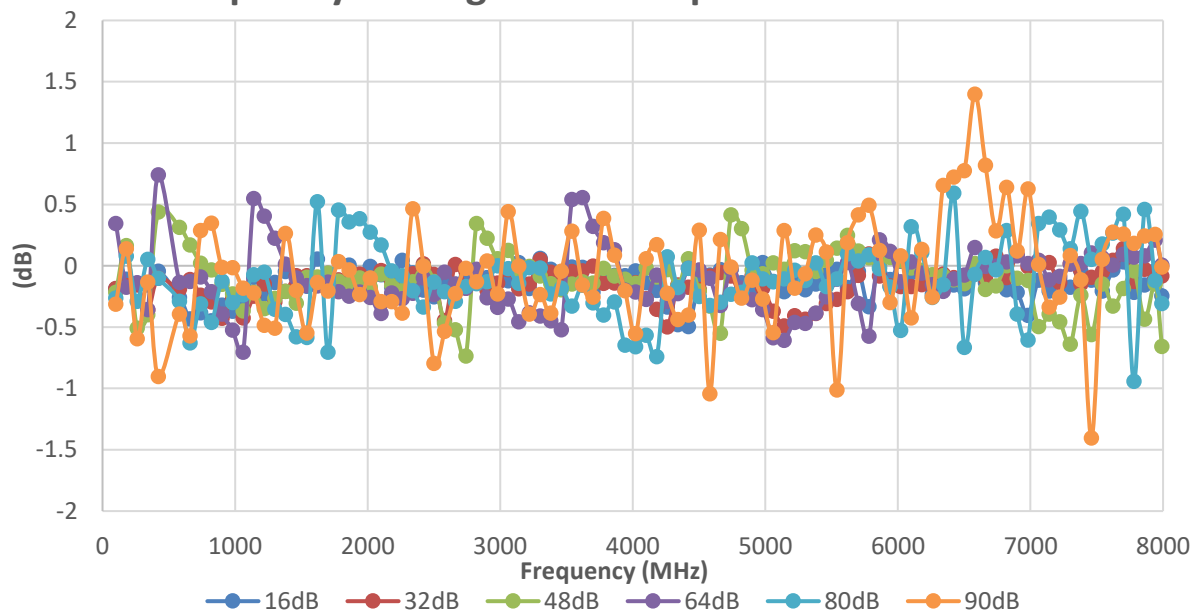
Normalized Attenuation Accuracy for All State with Compensate I.L. "OFF"



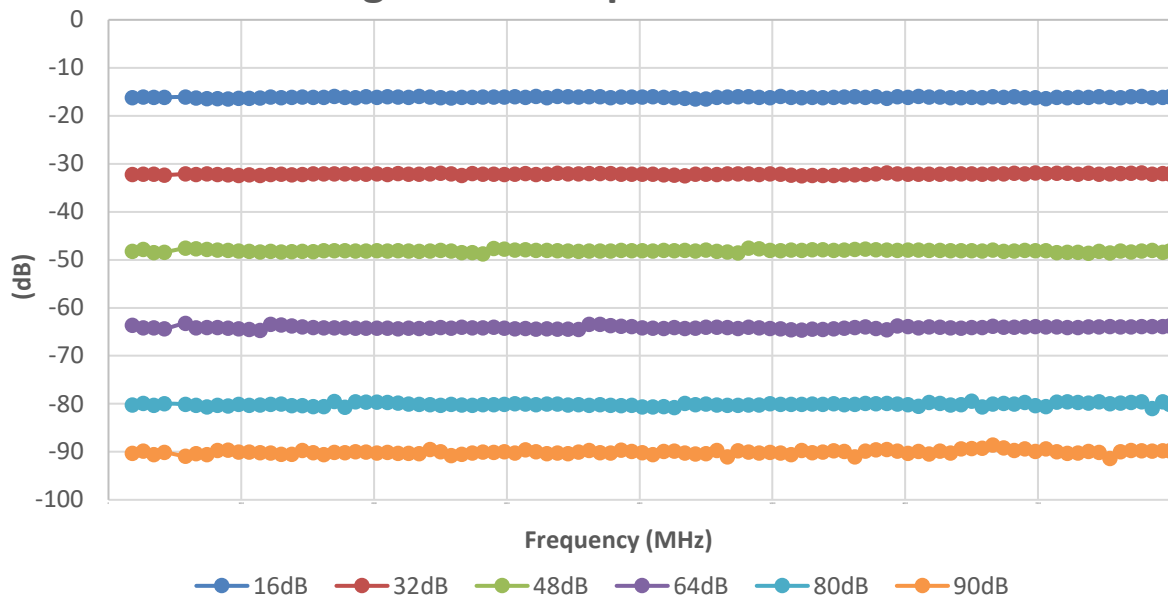
Normalized Attenuation for All State with Compensate I.L. "OFF"



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

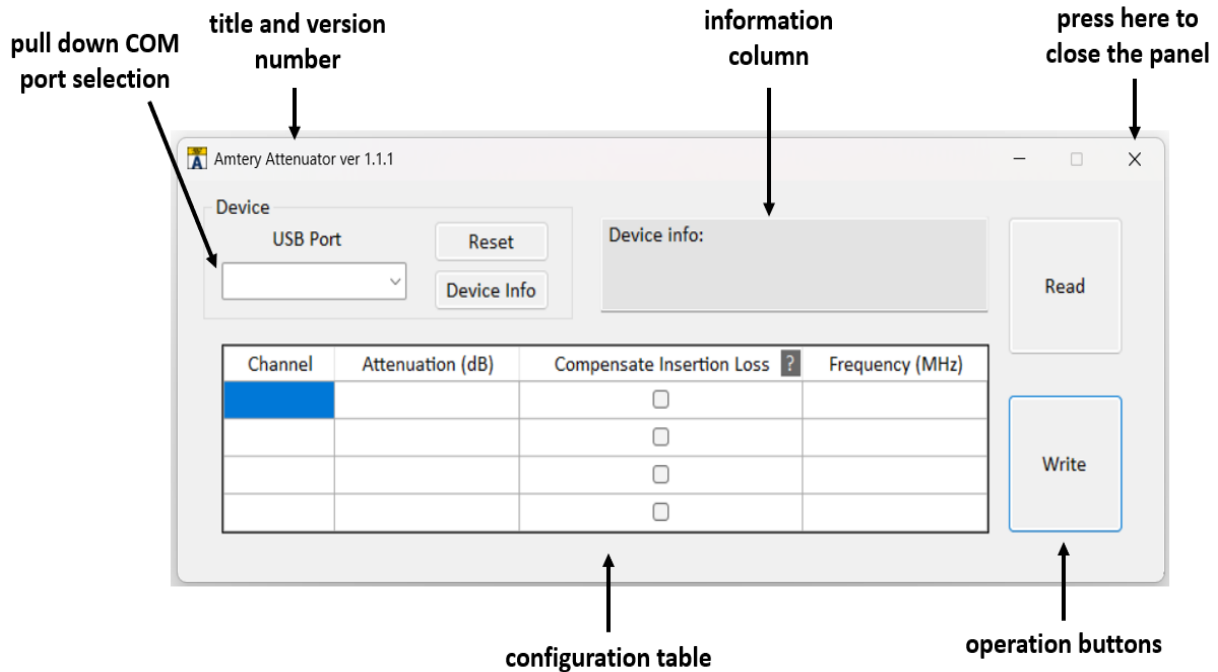


Attenuation for All Attenuation & Frequency Settings with Compensate I.L. "ON"



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-98>

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

Note: Specifications are subject to change without notice.