



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

**Com-Power Corporation**  
**19121 El Toro Road**  
**Silverado, CA 92676**

Fulfills the requirements of

**ISO/IEC 17025:2017**

In the field of

**CALIBRATION**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

A handwritten signature in black ink, appearing to read 'R.D.L.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 04 August 2024  
Certificate Number: AC-2894



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory  
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

### Com-Power Corporation

19121 El Toro Road  
Silverado, CA 92676  
Shirish Shah 949-459-9600

### CALIBRATION

Valid to: **August 4, 2024**

Certificate Number: **AC-2894**

#### Electrical – RF/Microwave

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
ISN <sup>1</sup>  Impedance Phase Voltage Division Factor Isolation (Decoupling Factor) Longitudinal Conversion Loss	150 kHz to 230 MHz  (0.1 to 210) $\Omega$ (0 to 360) $^{\circ}$ (-15 to 0) dB (-80 to 0) dB (-85 to -35) dB	  1.8 % of reading 1.2 $^{\circ}$ 0.27 dB 2.4 dB 0.7 dB	CISPR 22, CISPR 32, CISPR 16-1-2, Agilent 4395A Network Spectrum Impedance Analyzer w/87511A S-Parameter Test Set, Cal Kit
LISN <sup>1</sup>  Impedance Phase Insertion Loss Isolation (Decoupling Factor)	9 kHz to 400 MHz  (0.1 to 210) $\Omega$ (0 to 360) $^{\circ}$ (-10 to 0) dB (-80 to 0) dB	  1.8 % of reading 1.2 $^{\circ}$ 0.27 dB 2.4 dB	CISPR 22, CISPR 32, CISPR 16-1-2, ANSI C63.4, Mil-Std-461, RTCA DO-160, Agilent 4395A Network Spectrum Impedance Analyzer w/87511A S-Parameter Test Set, Cal Kit
Current Probes & BCI Probes <sup>1</sup>  Insertion Loss (Transfer Impedance)	9 kHz to 400 MHz (-70 to 0) dB 400 MHz to 1 GHz (-70 to 0) dB	  0.28 dB 0.79 dB	CISPR 16-1-2, Mil-Std- 461, RTCA DO-160, Agilent 4395A Network Spectrum Impedance Analyzer w/87511A S- Parameter Test Set, Agilent 8722ES S-Parameter Vector Network Analyzer

**Electrical – RF/Microwave**

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
CDN & 50Ω-150Ω Adapters <sup>1</sup>	150 kHz to 230 MHz		CISPR 16-1-2, IEC/EN 61000-4-6, Agilent 4395A Network Spectrum Impedance Analyzer w/87511A S-Parameter Test Set, Cal Kit
Impedance	(0.1 to 210) Ω	1.8 % of reading	
Phase	(0 to 360) °	1.2 °	
Voltage Division Factor	(-20 to 0) dB	0.27 dB	
Isolation (Decoupling Factor)	(-80 to 0) dB	2.4 dB	
Adapter Insertion Loss	(-11 to -8) dB	0.15 dB	
RF Preamplifiers, Amplifiers <sup>1</sup>	100 Hz to 500 MHz		Agilent 4395A Network Spectrum Impedance Analyzer, 87511A S-Parameter Test Set, Agilent 8722ES S-Parameter Vector Network Analyzer
Gain	(0 to 60) dB	0.27 dB	
	50 MHz to 40 GHz		
	(0 to 60) dB	0.47 dB	

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ( $k=2$ ), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2894.



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