

Telegärtner Karl Gärtner GmbH, Lerchenstraße 35, 71144 Steinenbronn

**AEM International**

8930 S Beck Avenue #101  
Tempe, Arizona, 85284  
USA

**AEM Singapore Pte. Ltd.**

52 Serangoon North Ave 4,  
Singapore 555853,  
Singapore

c/o Mr. Alf Sutherland

Steinenbronn, 12.12.2023

**Approval of AEM TestPro cable certifier**

Dear Mr. Sutherland,

We are pleased to confirm that AEM TestPro cable certifiers are approved for certification of line performance measurements on Telegärtner Karl Gärtner GmbH Structured Cabling System, according to EN 50173, ISO/IEC 11801 and TIA/EIA-568 standards family. The AEM TestPro cable certifier must be operated with the latest available firmware versions (4.2.308 or higher).

Telegärtner Karl Gärtner GmbH Copper Structured Cabling System certification measurements approval:

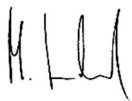
The test procedures for balanced cabling channels and links shall be measured according to IEC 61935-1, ANSI/TIA-1152. Transmission line component performance	Transmission line performance acc. to EN50173-1 and ISO/IEC11801-1	Transmission line performance acc. to TIA/EIA standards	AEM TestPro line configuration approved
Category 5 – 2nd. ed* / Category 5E**	Class D	Category 5E	Permanent Link, Channel
Category 6	Class E	Category 6	Permanent Link, Channel
Category 6A*/Category 6A**	Class EA	Category 6A	Permanent Link, Channel
Category 7*	Class F	-	-
Category 7A*	Class FA	-	-
Category 8.1 25GbE***	Class I 25GbE***	-	Channel
Category 8.1*/ Category 8**	Class I	Category 8	Channel
Category 8.2*	Class II	-	-

\* acc. to EN and ISO/IEC standards \*\* acc. to TIA/EIA standards \*\*\* acc. to ISO/IEC TR 11801-9905:2018 standard

Telegärtner Karl Gärtner GmbH Fiber Optic Structured Cabling System certification measurements approval

The test procedures of a channel and links shall be measured according to ISO/IEC 14763-3, EN 61280-4-1, EN 61280-4-2. Transmission line component performance	AEM TestPro test method	AEM TestPro line configuration approved
OS1, OS2	LSPM – Light Source Power Meter / Los Length measurement	Permanent Link, Channel
OM1, OM2, OM3, OM4, OM5	LSPM – Light Source Power Meter / Los Length measurement	Permanent Link, Channel

ppa. Marcel Leonhard



Director Business Units ICT & DCF

Telegärtner Karl Gärtner GmbH  
Lerchenstraße 35  
D-71144 Steinenbronn

tel central office: +49 7157/125-0  
tel direct: +49 7157/125-5311  
fax central office: +49 7157/125-5120  
mobile: +49 171/5694412  
email: marcel.leonhard@telegaertner.com  
website: <http://www.telegaertner.com>