TEST REPORT

Application No.:	FYCR2208000325AT (KSCR2208001378AT)
Applicant:	Corning Optical Communications LLC
Address of Applicant:	6 Concord Road, Shrewsbury, MA 01545 United States
Manufacturer:	Corning Optical Communications LLC
Address of Manufacturer:	6 Concord Road, Shrewsbury, MA 01545 United States
Equipment Under Test (EUT):	
EUT Name:	Remote Unit
Model No.:	E62-N3
Trade mark:	CORNING
FCC ID:	OJFE62-N3-17
Standard(s) :	FCC Rules 47 CFR §2.1091 KDB447498 D04 Interim General RF Exposure Guidance v01
Date of Receipt:	2022-08-19
Date of Test:	2022-08-25 to 2022-08-30
Date of Issue:	2022-09-01
Test Result:	**Pass***

* In the configuration tested, the EUT complied with the standards specified above.

Winkey Wang
EMC Laboratory Manager

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2022-09-01		Original

Authorized for issue by:				
		Powell Bao **Powell Bao/Project Engineer**		
		Winkey Wang **Winkey Wang/Reviewer**		

2 Contents

3 General Information

3.1 Details of E.U.T.

Power supply:	DC48V
Support Network:	LTE/NR
Operation Frequency Band:	Downlink 2110MHz to 2200MHz
Modulation Type:	QPSK,16QAM,64QAM,256QAM
Normal Output Power (EIRP):	32 ± 2dBm
Antenna Type:	Internal & External antenna
Antenna Gain:	3dBi
Antenna Port:	SISO, up to 6 CCs 2x2 MIMO, up to 6 CCs 4x4 MIMO, up to 4 CCs

Note:
The antenna gain value is provided by the customer. The test lab will not be responsible for wrong test result due to incorrect information about antenna gain values.
For MIMO mode the output signals are considered completely uncorrelated.

3.2 Test Location

All tests were performed at:

Compliance Certification Services（Kunshan）Inc. Shenzhen branch.

Fuyong lab. Xinlong TechnoPark,Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China

Tel: +86 755 8866 3988 Fax: +86 755 2671 0594

No tests were sub-contracted.

3.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• A2LA (Certificate No. 6606.01)

Compliance Certification Services（Kunshan）Inc. Shenzhen branch is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6606.01.

• FCC –Designation Number: CN1322

Compliance Certification Services（Kunshan）Inc. Shenzhen branch has been recognized as an accredited testing laboratory.

Designation Number: CN1322. Test Firm Registration Number: 718073

• Innovation, Science and Economic Development Canada

Compliance Certification Services（Kunshan）Inc. Shenzhen branch has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0129.

IC#: 28189.

3.4 Deviation from Standards

None

3.5 Abnormalities from Standard Conditions

None

4 Test Standards and Limits

4.1 FCC Radiofrequency radiation exposure limits:

According to§1.1310, the limit for general population/uncontrolled exposures

Frequency	Power density(mW/cm^2)	Averaging time(minutes)
300MHz~1.5GHz	f/1500	30
1.5GHz~100GHz	1.0	30

5 Measurement and Calculation

5.1 Maximum transmit power

The Power Data is based on the RF Test Report FYCR220800032502.

Band Information	Antenna Gain (dBi)	Max Output Power (dBm)	Max Output Power (mW)
LTE Band 66(2110-2200MHz)	3	29.60	912.01

5.2 MPE Calculation

According to the formula $S=P/4\pi R^2$, we can calculate S which is MPE.

Note:

1)P (mW)

2)R = distance to the center of radiation of antenna (in centi-meter)

3)LTE Band 66 MPE limit = 1mW/cm²

For Base station

Frequency Band (MHz)	Antenna Gain (dBi)	Max Tune-up tolerance power (dBm)	Operation Distance R(cm)	Power Density (mW/cm^2)	Limit of Power Density S(mW/cm^2)	Result
2110 - 2200	3	34	20	0.4997	1	Pass

For Repeater

Frequency Band (MHz)	Antenna Gain (dBi)	Max Tune-up tolerance power (dBm)	Operation Distance R(cm)	Power Density (mW/cm^2)	Limit of Power Density S(mW/cm^2)	Result
2110 - 2200	3	34	20	0.4997	1	Pass

The device is exclusion from SAR test.

--End of the Report--