


Report No.: SEWM2307000279RG02

Rev.: 01

Page: 1 of 7

TEST REPORT

Application No.: SEWM2307000279RG
Applicant: Siklu Communication Ltd.
Address of Applicant: 43 Hasivim St. Petach-Tikva 4959501, Israel
Manufacturer: Siklu Communication Ltd.
Address of Manufacturer: 43 Hasivim St. Petach-Tikva 4959501, Israel
EUT Description: Terminal unit of point-to-multipoint high BW system operating in 57-66GHz
Model No.: MH-T261-CNN-N-MWB

Trade Mark: 

FCC ID: 2ACYESK-MH60TG-A8
Standards: 47 CFR Part 1.1310
 FCC KDB 447498 D01 v06

Date of Receipt: 2023/06/05
Date of Issue: 2023/07/28

Test Result:	PASS*
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* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Well Wei
 Wireless Laboratory Manager



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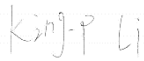
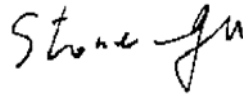
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1 Version

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023/07/28		Original

Prepared By		 <hr/> (King-p Li) / Test Engineer
Checked By		 <hr/> (Stone Gu) / Reviewer



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2 General Information

2.1 Client Information

Applicant:	Siklu Communication Ltd.
Address of Applicant:	43 Hasivim St. Petach-Tikva 4959501, Israel
Manufacturer:	Siklu Communication Ltd.
Address of Manufacturer:	43 Hasivim St. Petach-Tikva 4959501, Israel

2.2 Test Facility

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

- **A2LA (Certificate No. 6336.01)**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6336.01.

- **Innovation, Science and Economic Development Canada**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0120.

IC#: 27594.

- **FCC –Designation Number: CN1312**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized as an accredited testing laboratory.

Designation Number: CN1312.

Test Firm Registration Number: 717327



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2.3 General Description of EUT

EUT Description:	Terminal unit of point-to-multipoint high BW system operating in 57-66GHz				
Model No.:	MH-T261-CNN-N-MWB				
Trade Mark:					
Software Version:	2.1.2				
Power Supply:	42-57VDC,0.31A Max				
SN:	AD26100007				
Frequency Range:	58320MHz-64800MHz				
Operation Frequency:	Channel Number	Center Frequency(MHz)	Channel Number	Center Frequency(MHz)	
	0	58320	2	62640	
	1	60480	3	64800	
Modulation Technique:	BPSK, QPSK, 16QAM				
Wireless network protocol:	802.11ay				
Crystal:	38.4MHz				
Antenna Type:	PCB Antenna				
Antenna Gain:	22.5dBi				
	Note: The antenna gain are derived from the gain information report provided by the manufacturer.				
Remark:	As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.				



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3 RF Exposure Evaluation

3.1 RF Exposure Compliance Requirement

3.1.1 Limits

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

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

Friis Formula

Friis transmission formula: $P_d = (P_{out} * G) / (4 * \pi * R^2)$

Where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = 42cm

P_d is the limit of MPE, 1 mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.



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3.1.2 MPE Calculation

Output Power Into Antenna & RF Exposure Evaluation Distance:

Test mode	Frequency (GHz)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (mW)	Power density (mW/cm ²)	Limit (mW/cm ²)	Verdict
mmWave	58.320	22.50	38.84	7655.970	0.3454	1.0000	Pass

This confirmed that the device comply with MPE limit.

---End of Report---



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