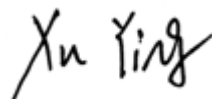


RF TEST REPORT

Applicant	Nokia ShangHai Bell Co., Ltd.
FCC ID	2ADZRG1425GB
Product	Nokia ONT
Brand	NOKIA
Model	G-0425G-C
Report No.	R2212A1320-R5
Issue Date	March 17, 2023

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15E (2022)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.



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1. Test Laboratory

1.1. Notes of the test report

This report shall not be reproduced in full or partial, without the written approval of **TA technology (shanghai) co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2. Test facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA (Certificate Number: 3857.01)

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

1.3. Testing Location

Company: TA Technology (Shanghai) Co., Ltd.
Address: Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China
City: Shanghai
Post code: 201201
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E-mail: xukai@ta-shanghai.com

2. General Description of Equipment under Test

2.1. Applicant and Manufacturer Information

Applicant	Nokia ShangHai Bell Co., Ltd.
Applicant address	No. 388, Ningqiao Rd. Pilot Free Trade Zone, Shanghai, China
Manufacturer 1	TAICANG T&W ELECTRONICS CO., LTD
Manufacturer address 1	89# Jiang Nan RD, Lu Du TownTaicang, Jiangsu, China
Manufacturer 2	Shenzhen Twowing Technologies CO., LTD
Manufacturer address 2	Nangang industrial building, No.3 Industrial Zone, Tangtou village, Shiyang Town, Bao'an District, Shenzhen City, Guangdong Province, China

2.2. General information

EUT Description			
Model	G-0425G-C		
Lab internal SN	Original	R2111A0997/S01	
Hardware Version	PEM1		
Software Version	3FE49568HJJI31		
Power Supply	AC Adapter		
Antenna Type	External Antenna		
Directional Gain	Antenna	Frequency(MHz)	Gain (dBi)
	MIMO (For Power)	5150~5250	4.60
		5250~5350	4.60
		5470~5725	5.00
		5725~5850	4.70
	MIMO (For PSD)	5150~5250	5.40
		5250~5350	5.40
		5470~5725	5.60
		5725~5850	5.60
	Beamforming (For Power)	5150~5250	4.60
		5250~5350	4.60
		5470~5725	5.00
		5725~5850	4.70
	Beamforming (For PSD)	5150~5250	5.30
		5250~5350	5.30
		5470~5725	5.50
5725~5850		5.40	
Operating Frequency Range(s)	U-NII-1: 5150MHz-5250MHz U-NII-2A:5250MHz -5350MHz		

	U-NII-2C:5470MHz-5725MHz U-NII-3: 5725MHz -5850MHz
Modulation Type	802.11a/n (HT20/HT40) : OFDM 802.11ac (VHT20/VHT40/VHT80): OFDM
Testing temperature range	-20 ° C to 50° C
Operating temperature range	-5 ° C to 45° C
Operating voltage range:	10 V to 14V
State DC voltage:	12V
EUT Accessory	
Adapter 1	Manufacturer: Dongguan Shilong Fuhua Electronics Co.,Ltd Model: UES24WU-120200SPA
Adapter 2	Manufacturer: MOSO Power Supply Technology Co.,Ltd Model: MSA-C1500CS12.0-18J-US
Adapter 3	Manufacturer: SHENZHEN RUIDE ELECTRONICAL INDUSTRIAL Co.,Ltd Model: RD1201500-C55-153YG
Adapter 4	Manufacturer: Dongguan Shilong Fuhua Electronics Co.,Ltd Model: UES18LB-120150SPA
Adapter 5	Manufacturer: Dongguan Shilong Fuhua Electronics Co.,Ltd Model: UES18LU-120150SPA
Adapter 6	Manufacturer: SHENZHEN RUIDE ELECTRONICAL INDUSTRIAL Co.,Ltd Model: RD1201500-C55-153MG
Adapter 7	Manufacturer: ShenZhen SOY Technology Co.,Ltd Model: SOY-1200300-3014-II
Adapter 8	Manufacturer: ShenZhen Mass Power Electronic Limited Model: NBS40C120300M2
Adapter 9	Manufacturer: Manufacturer: SHENZHEN RUIDE ELECTRONICAL INDUSTRIAL Co.,Ltd Model: RD1201500-C55-198MG
Adapter 10	Manufacturer: SHENZHEN RUIDE ELECTRONICAL INDUSTRIAL Co.,Ltd Model: RD1201500-C55-198OG
Adapter 11	Manufacturer: SHENZHEN RUIDE ELECTRONICAL INDUSTRIAL Co.,Ltd Model: RD1201500-C55-198YG
Adapter 12	Manufacturer: ShenZhen SOY Technology Co.,Ltd Model: SOY-1200150AR
Adapter 13	Manufacturer: SHENZHEN RUIDE ELECTRONICAL INDUSTRIAL Co.,Ltd Model: RD1201000-C55-35MGD
Adapter 14	Manufacturer: XIAMEN KELI ELECTRONICS CO.LTD Model: KL-WA120100-E
Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.	

Information of Configuration:

ONT Mnemonic	Kit Code	EMA Code	Part Description
G-0425G-C	3FE49912XXXX (X can be A-Z or blank)	3TN00057XXXX (X can be A-Z or blank)	GPON ONT, 4xGE UNI, WIFI 5, 2x2 11n + 2x2 11ac

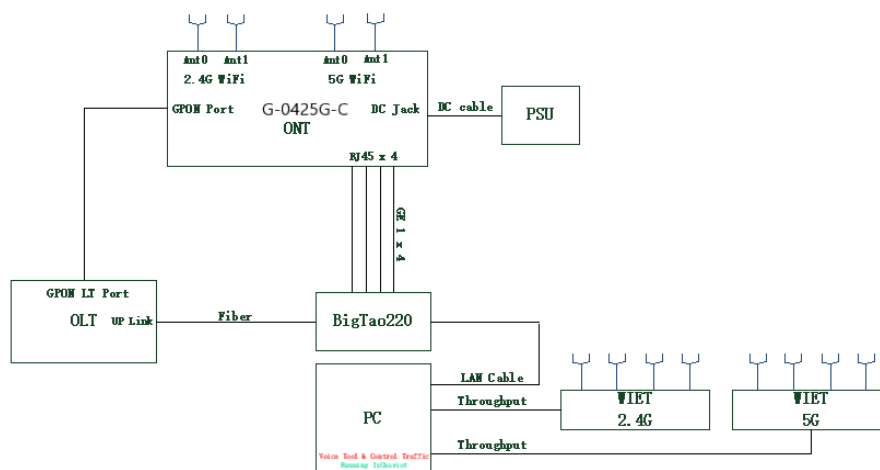
No.	Name	Model/Code No.	Edition	Serial No. or Quantity
1.1	EMA-G-0425G-C	3TN00057XXXX (X can be A-Z or blank)	PEM2	-
2.1	Power adapter	RD1201000-C55-35OGD	/	PEM
2.2	Power adapter	RD1201000-C55-35MGD	/	PEM
2.3	Power adapter	KL-WE120100-B	/	PEM
2.4	Power adapter	KL-WA120100-E	/	PEM

Auxiliary equipment details

No.	Name	Brand name	Model	NSB code	Valid Until
1	Test Center	Spirent	DE48E0	DC2228	2012.12.20
2	PC	Lenovo	T61	7661MC4L3KW965	No Cal. Required
3	OLT	Nokia	N.A	-	No Cal. Required

Information of Ports

No.	Port name	Number	Shielded or unshielded	Cable type (optic, twisted pair, etc.)	Max. Cable length
1	LAN1	1	Unshielded	CAT5E	--
2	LAN2	1	Unshielded	CAT5E	--
3	LAN3	1	Unshielded	CAT5E	--
4	LAN4	1	Unshielded	CAT5E	--



G-0425G-C (Report No.: R2212A1320-R5) is a variant model of G-1425G-B (Report No.: R2111A0997-R2V1). The report added two adapters (Adapter 13 ~ 14).

There is only verifies Average output power and tests Unwanted Emissions (802.11a, CH100; 802.11n HT20, CH36; 802.11n HT40, CH151; 802.11ac VHT80, CH106) in this report.

Powers of new variant are varied due to measurement uncertainty, and sample tolerance of the acceptance range.

Unwanted Emissions did not worsen, so they were not recorded in the report.

The detailed product change description please refers to the *Difference Declaration Letter*.

This report is used in conjunction with the original report (attached ANNEX C: Original Report (Report No.: R2111A0997-R2V1)).

*****END OF REPORT *****

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

ANNEX B: Product Change Description

The Product Change Description are submitted separately.

ANNEX C: Original Report (Report No.: R2111A0997-R2V1)

The Original Report are submitted separately.