

S

T

S

L

A

B



Certificate #4338.01

RADIO TEST REPORT

Report No.: STS2008324H07

Issued for

RTX HONG KONG LTD

8TH FL CORPORATION SQUARE, 8 LAM LOK ST.,
KOWLOON BAY, HK.

Product Name:	DECT Base Station
Brand Name:	Poly
Model Name:	Rove B4, Rove B2
Series Model:	N/A
FCC ID:	T7HX8667
Test Standard:	FCC 47 CFR §2.1091

Any reproduction of this document must be done in full. No single part of this document may be reproduced without permission from STS, All Test Data Presented in this report is only applicable to presented Test sample.

Shenzhen STS Test Services Co., Ltd.
A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ,
Fuyong Sub-District, Bao'an District, Shenzhen, Guang Dong, China
TEL: +86-755 3688 6288 FAX: +86-755 3688 6277 E-mail: sts@stsapp.com





Test Report Certification

Applicant's Name..... : RTX HONG KONG LTD
Address : 8TH FL CORPORATION SQUARE, 8 LAM LOK ST., KOWLOON BAY, HK.
Manufacturer's Name : RTX HONG KONG LTD
Address : 8TH FL CORPORATION SQUARE, 8 LAM LOK ST., KOWLOON BAY, HK.


Product Description

Product Name..... : DECT Base Station
Brand Name : Poly
Model Name : Rove B4, Rove B2
Series Model..... : N/A


Standards : FCC 47 CFR §2.1091

This report shall not be reproduced except in full, without the written approval of STS, this document only be altered or revised by STS, personal only, and shall be noted in the revision of the document.

Date of Test..... :
Date of receipt of test item : 27 Aug. 2020
Date of performance of tests..... : 27 Aug. 2020 ~ 17 Sept. 2020
Date of Issue..... : 27 Sept. 2020
Test Result..... : **Pass**

Testing Engineer : 

 (Chris chen)

Technical Manager : 

 (Sean she)

Authorized Signatory : 

 (Vita Li)





TABLE OF CONTENTS

1. GENERAL INFORMATION	5#
1.1 GENERAL DESCRIPTION OF THE EUT	5#
1.2 TEST FACTORY	5#
2. FCC 47 CFR §2.1091 REQUIREMENT	6#
2.1 TEST STANDARDS	6#
2.2 LIMIT	6#
2.3 EUT OPERATION CONDITION	6#
2.4 CLASSIFICATION	6#
2.4 TEST RESULT	7#





Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	27 Sept. 2020	STS2008324H07	ALL	Initial Issue





1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Rove B4, Rove B2								
Brand Name	Poly								
Model Name	Rove B4, Rove B2								
Series Model	N/A								
Model Difference	Base have two models: Rove B4 and Rove B2. The only different in hardware is Rove B4 have audio DSP and Rove B2 not. They are share the same PCB layout, with different BOM, same mechanical casing. The software of Rove B4 will support more feather such as for the audio DSP.								
Product Description	<p>The EUT is DECT Base Station.</p> <table border="1"><tr><td>Operation Frequency:</td><td>1921.536-1928.448MHz</td></tr><tr><td>Modulation Type:</td><td>GFSK</td></tr><tr><td>Antenna Designation:</td><td>PCB antenna</td></tr><tr><td>Antenna Gain (dBi):</td><td>Ant 0: 1dBi Ant 1: 1dBi</td></tr></table>	Operation Frequency:	1921.536-1928.448MHz	Modulation Type:	GFSK	Antenna Designation:	PCB antenna	Antenna Gain (dBi):	Ant 0: 1dBi Ant 1: 1dBi
Operation Frequency:	1921.536-1928.448MHz								
Modulation Type:	GFSK								
Antenna Designation:	PCB antenna								
Antenna Gain (dBi):	Ant 0: 1dBi Ant 1: 1dBi								
Adapter	<p>1. Model: S008ACM0500200 (Multi Plug) Input: AC 100-240V 50/60Hz 0.3A Output: DC 5V 2A 10W</p> <p>2. Model: S010WU0500200 (US Plug) Input: AC 100-240V 50/60Hz 400mA Output: DC 5V 2000mA</p>								
Hardware Version	V2RA								
Software Version	Rove B4: Version 0731 Subversion 1009 Build 0000 Rove B2: Version 0731 Subversion 1009 Build 0000								

Note: 1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

1.2 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ, Fuyong Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01



2. FCC 47 CFR §2.1091 REQUIREMENT

2.1 TEST STANDARDS

The limit for Maximum Permissible Exposure (MPE) specified in FCC 1.1310 is followed. The gain of the antennas used in the product is extracted from the Antenna data sheets provided and also the maximum total power input to the antenna is measured. Through the Friis transmission formula and the maximum gain of the antenna, we can calculate the distance, away from the product, where the limit of MPE is reached.

Although the Friis Transmission formula is far field assumption, the calculated result of that is an over-prediction for near field power density. It is taken as worst case to specify the safety range.

2.2 LIMIT

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environmental impact of the human exposure to radio-frequency (RF) radiation as specified in 1.1307

(b)

Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)
Limits for Occupational / controlled Exposures			
300 - 1500	--	--	F/300
1500 – 100000	--	--	5.0
Limits for General population / Uncontrolled Exposure			
300 - 1500	--	--	F/1500
1500 – 100000	--	--	1.0

F= Frequency in MHz

Friss Formula

Friss Transmission Formula: $Pd = (Pout * G) / (4*pi*r^2)$

Where

Pd = power density in mW/cm² aaa

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = Distance between observation point and the center of radiator in cm

If we know the maximum gain of the antenna and the total output power to the antenna, through calculation, we will know MPE value at distance 20cm.

2.3 EUT OPERATION CONDITION

EUT was enabled to transmit and receive at lowest, middle and highest channels.

2.4 CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. Warning statement to the user for keeping at least 20cm or more separation distance from the antenna should be included in the User manual. So, this device is classified as Mobile device.

