[BUREA VERITA	U
	RF Exposure Report	
Report No.:	SA180704C07A	
FCC ID:	2AAGMNB01Q0	
Test Model:	NB01Q0	
Received Date:	Jul. 04, 2018	
Date of Evaluation:	Aug. 14, 2018	
Issued Date:	Aug. 15, 2018	
Applicant:	SEQUANS Communications	
Address:	Les portes de la Défense – Hall A, 15/55 boulevard Charles de Gaulle, 92700 Colombes, France	
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch	
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan, R.O.C.	
Test Location:	No. 19, Hwa Ya 2nd Rd, Wen Hwa Vil, Kwei Shan Dist., Taoyuan City 33383, Taiwan (R.O.C)	
FCC Registration / Designation Number:	788550 / TW0003	
	TAFF Testing Laboratory 2021	
only with our prior written permission. The report are not indicative or representative specifically and expressly noted. Our repus. You have 60 days from date of issuan notice shall be in writing and shall specifi unqualified acceptance of the complete uncertainty of measurement has been ex-	copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permit is report sets forth our findings solely with respect to the test samples identified herein. The results set forth in t of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unle ort includes all of the tests requested by you and the results thereof based upon the information that you provided ce of this report to notify us of any material error or omission caused by our negligence, provided, however, that su cally address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute yo ness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, plicitly taken into account to declare the compliance or non-compliance to the specification. The report must not ration, approval, or endorsement by TAF or any government agencies.	this ess d to uch our the
Report No.: SA180704C07A Reference No.: 180719C15	Page No. 1 / 6 Report Format Version: 6.7	.1



Table of Contents

Relea	se Control Record	3
1	Certificate of Conformity	4
2	RF Exposure	5
2.2 2.3	Limits for Maximum Permissible Exposure (MPE) MPE Calculation Formula Classification Calculation Result of Maximum Conducted Power	5 5



	Release Control Record					
Issue No.	Description			Date Issued		
				Aug. 15, 2018		
Issue No. SA180704C07A	Description Original Release			Date Issued Aug. 15, 2018		



1 Certificate of Co	Conformity				
Product:	NB01Q				
Brand:	SEQUANS				
Test Model:	NB01Q0				
Sample Status:	Identical Prototype				
Applicant:	SEQUANS Communications				
Date of Evaluation:	Aug. 14, 2018				
Standards:	FCC Part 2 (Section 2.1091)				
	KDB 447498 D01 General RF Exposure Guidance v06				
	IEEE C95.1-1992				

The above equipment has been tested by Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by :

ina しい , Date: ____ Aug. 15, 2018

Gina Liu / Specialist

Date: Aug. 15, 2018

Approved by :

Dylan Chiou / Project Engineer



2 RF Exposure

2.1 Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)			
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	.5 0.073 0.2		30	
300-1500			f/1500	30	
1500-100,000			1.0	30	

f = Frequency in MHz ; *Plane-wave equivalent power density

2.2 MPE Calculation Formula

 $Pd = (Pout^{*}G) / (4^{*}pi^{*}r^{2})$

where

 $Pd = power density in mW/cm^{2}$

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

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

2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.



2.4 Calculation Result of Maximum Conducted Power

Band	Frequency Band	Max Power	Antenna Gain	Distance	Power Density	Limit
	(MHz)	(dBm)	(dBi)	(cm)	(mW/cm ²)	(mW/cm ²)
LTE PCS-H block	1915-1920	23.26	2.79	20	0.080	1.00

Conclusion:

The formula of calculated the MPE is: CPD1 / LPD1 + CPD2 / LPD2 +etc. < 1 CPD = Calculation power density LPD = Limit of power density

LTE PCS-H block = 0.080 / 1.00 = 0.080Therefore the maximum calculations of above situations are less than the "1" limit.

--- END ---