RF EXPOSURE REPORT

REPORT NO.:	SA130814E06C
MODEL NO.:	LN931-NAG
FCC ID:	RI7LN931NAG
RECEIVED:	Oct. 29, 2013
TESTED:	Oct. 31, 2013
ISSUED:	Aug. 14, 2015
APPLICANT:	Telit Communications S.p.A.
ADDRESS:	Via Stazione di Prosecco n. 5/b 34010 Sgonico - Trieste/Italy
ISSUED BY:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
LAB ADDRESS:	No. 81-1, Lu Liao Keng, 9th Ling,Wu Lung Tsuen, Chiung Lin Hsiang, Hsin Chu Hsien 307, Taiwan, R.O.C.

This report should not be used by the client to claim product certification, approval, or endorsement by any government agencies.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA130814E06C	Original release	Aug. 14, 2015

1. CERTIFICATION

PRODUCT:	Data card
BRAND NAME:	Telit
MODEL NO.:	LN931-NAG
TEST SAMPLE:	ENGINEERING SAMPLE
APPLICANT:	Telit Communications S.p.A.
TESTED DATE:	Oct. 31, 2013
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D03
	IEEE C95.1

The above equipment (Model: LN931-NAG) 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 EMC characteristics under the conditions specified in this report.

Prepared by : _____ , **Date:** Aug. 14, 2015

Lori Chung / Specialist

Approved by : _____ , **Date:** Aug. 14, 2015

May Chen / Manager

2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm^2)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	…	…	F/1500	30
1500-100,000	…	…	1.0	30

F = Frequency in MHz

3. 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

4. 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**.

5. CALCULATION RESULT OF MAXIMUM TUNE-UP POWER

Channel Frequency (MHz)	Max. Tune-up Power		Mode	Time-solt Duty Cycle	Distance to Human Body (cm)	ERP/EIRP value in OTA (mW)	ERP/EIRP (dBm)	MPE(OTA) value with Time-solt Duty Cycle
	(dBm)	(mW)						
836.6	33.00	1995.262	GPRS 12	50%	20.00	3162.3	35	0.516
836.6	28.00	630.957	EDGE 12	50%	20.00	1258.9	31	0.205
826.4	24.50	281.838	WCDMA B5	100%	20.00	530.9	27.3	0.173
836.52	24.60	288.403	1xEVDO Rev.A	100%	20.00	125.8	21	0.041
824.7	23.80	239.883	Band5 1.4M	100%	20.00	450.8	26.5	0.147
825.5	23.80	239.883	Band5 3M	100%	20.00	476.4	26.8	0.155
826.5	23.80	239.883	Band5 5M	100%	20.00	397.2	26	0.130
829	23.80	239.883	Band5 10M	100%	20.00	408.3	26.1	0.133
1909.8	30.00	1000.000	GPRS 12	50%	20.00	1949.8	32.9	0.194
1909.8	26.00	398.107	EDGE 12	50%	20.00	1023.3	30.1	0.102
1880	24.50	281.838	WCDMA B2	100%	20.00	549.5	27.4	0.109
1880	24.00	251.189	1xEVDO Rev.0	100%	20.00	572.8	27.6	0.114
1880	23.80	239.883	LTE B2 1.4M	100%	20.00	660.7	28.2	0.131
1880	23.80	239.883	LTE B2 3M	100%	20.00	616.6	27.9	0.123
1880	23.80	239.883	LTE B2 5M	100%	20.00	631	28	0.126
1855	23.80	239.883	LTE B2 10M	100%	20.00	562.3	27.5	0.112
1857.5	23.80	239.883	LTE B2 15M	100%	20.00	575.4	27.6	0.114
1860	23.80	239.883	LTE B2 20M	100%	20.00	524.8	27.2	0.104
1850.7	23.80	239.883	LTE B25 1.4M	100%	20.00	524.8	27.2	0.104
1851.5	23.80	239.883	LTE B25 3M	100%	20.00	501.2	27	0.100
1860	23.80	239.883	LTE B25 5M	100%	20.00	478.6	26.8	0.095
1855	23.80	239.883	LTE B25 10M	100%	20.00	524.8	27.2	0.104
1857.5	23.80	239.883	LTE B25 15M	100%	20.00	501.2	27	0.100
1860	23.80	239.883	LTE B25 20M	100%	20.00	562.3	27.5	0.112
1732.6	24.50	281.838	WCDMA B4	100%	20.00	354.8	25.5	0.071
1710.7	23.80	239.883	LTE B4 1.4M	100%	20.00	616.6	27.9	0.123
1711.5	23.80	239.883	LTE B4 3M	100%	20.00	602.6	27.8	0.120
1712.5	23.80	239.883	LTE B4 5M	100%	20.00	588.8	27.7	0.117
1715	23.80	239.883	LTE B4 10M	100%	20.00	549.5	27.4	0.109
1717.5	23.80	239.883	LTE B4 15M	100%	20.00	489.8	26.9	0.097
1720	23.80	239.883	LTE B4 20M	100%	20.00	467.7	26.7	0.093
784.5	23.40	218.776	LTE B13 5M	100%	20.00	335.0	25.3	0.109
782	23.40	218.776	LTE B13 10M	100%	20.00	285.1	24.6	0.093
706.5	24.00	251.189	LTE B17 5M	100%	20.00	384.6	25.9	0.126
709	24.00	251.189	LTE B17 10M	100%	20.00	412.1	26.2	0.135

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