FCC RF Test Report

APPLICANT	:	Shenzhen Neoway Technology Co.,Ltd.
EQUIPMENT	:	LTE Module
BRAND NAME	:	Neoway
MODEL NAME	:	N75-NA
FCC ID	:	PJ7-N75NA
STANDARD	:	47 CFR Part 2, 22(H), 24(E), 27(L)
CLASSIFICATION	:	PCS Licensed Transmitter (PCB)

This is a data re-used report which is only valid together with the original test report. The product was received on May 27, 2019 and completely tested on Jun. 24, 2019. We, Sporton International (Shenzhen) Inc., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (Shenzhen) Inc., the test report shall not be reproduced except in full.

Derreck Chen

Reviewed by: Derreck Chen / Supervisor

Eric Shih

Approved by: Eric Shih / Manager

ACCREDITED Cert #5145.01

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG930506-02A	Rev. 01	Initial issue of report	Jul. 09, 2019

1 General Description

1.1 Applicant

Shenzhen Neoway Technology Co.,Ltd.

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1.2 Product Feature of Equipment Under Test

Product Feature	
Equipment	LTE Module
Brand Name	Neoway
Model Name	N75-NA
FCC ID	PJ7-N75NA
EUT supports Radios application	GSM/GPRS/EGPRS/WCDMA/HSPA/ DC-HSDPA/HSPA+(16QAM uplink is not supported)/LTE/GNSS
HW Version	V1.0
SW Version	N75_EAB0CM_BZ_V003
EUT Stage	Production Unit

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.3 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	**GPRS/EDGE:** 850: 824.2 MHz ~ 848.8 MHz 1900: 1850.2 MHz ~ 1909.8MHz **WCDMA:** Band V: 826.4 MHz ~ 846.6 MHz Band II: 1852.4 MHz ~ 1907.6 MHz Band IV: 1712.4 MHz ~ 1752.6 MHz
Rx Frequency	**/GPRS/EDGE:** 850: 869.2 MHz ~ 893.8 MHz 1900: 1930.2 MHz ~ 1989.8 MHz **WCDMA:** Band V: 871.4 MHz ~ 891.6 MHz Band II: 1932.4 MHz ~ 1987.6 MHz Band IV: 2112.4 MHz ~ 2152.6 MHz
Antenna Type	Fixed Internal Antenna
Antenna Gain	Cellular Band: 3.00 dBi PCS Band: 3.00 dBi AWS Band: 3.00 dBi
Type of Modulation	GPRS: GMSK EDGE: GMSK / 8PSK WCDMA: BPSK (Uplink) HSDPA/DC-HSDPA : QPSK (Uplink) HSUPA : QPSK (Uplink) HSPA+ : 16QAM(uplink is not supported) DC-HSDPA : 64QAM

1.4 Modification of EUT

No modifications are made to the EUT during all test items.

1.5 Re-use of Measured Data

1.5.1 Introduction Section

This application re-uses data collected on a similar device. The subject device of this application (Model: N75-NA, FCC ID: PJ7-N75NA) is electrically identical to the reference device (Model: N75-NA, FCC ID: PJ7-N75-NA) for the portions of the circuitry corresponding to the data being re-used, as treated by KDB Publication 996369 D02.

1.5.2 Difference Section

For details concerning the similarity with respect to component placement, mechanical/electrical design etc., please refer to the Product Equality Declaration.

The re-used RF data includes the following bands provided in Appendix A (Sporton RF Report No. FG930506A for the reference device Model: N75-NA, FCC ID: PJ7-N75-NA).

1.5.3 Reference detail Section:

Equipment Class	Reference FCC ID	Folder Test	Report Title/Section
PCB (2G/3G)	PJ7-N75-NA	Part22H.24E.27L (FG930506A)	All sections applicable for GSM 850/1900 and WCDMA Band II/IV/V

1.5.4 Spot Check Verification Data Section

In order to confirm hardware similarity of the subject device with the reference device, spot check measurements were performed on the subject device for the conducted power and radiated spurious emission, the test result were consistent with FCC ID: PJ7-N75-NA.

Assertions concerning the similarity of these devices are based on representations by the applicant. The applicant accepts full responsibility for the validity of the similarity claim, and for the determination that verification test data are sufficient to support it.

Test Item	Mode	PJ7-N75-NA Worst Result	PJ7-N75NA Worst Result	Difference (dB)
Average Conducted Power (dBm)	GSM 850	31.68	31.45	-0.23
	GSM 1900	28.9	28.63	-0.27
	WCDMA Band II	22.58	22.33	-0.25
	WCDMA Band IV	22.38	22.16	-0.22
	WCDMA Band V	22.15	21.92	-0.23
Radiated Spurious Emission	GSM 850	-48.32	-49.52	-1.2
	GSM1900	-55.72	-59.52	-3.8
	WCDMA Band IV	-60.31	-59.73	0.58

Appendix A. Reference Report

Please refer to Sporton report number FG930506A which is issued separately.