



SPOT CHECK EVALUATION

FCC ID : P4Q-N650RN
Equipment : MiTAC, Mio, NAVMAN, MAGELLAN
Brand Name : N650
Applicant : MiTAC Digital Technology Corporation
4F., No. 1, R&D Road 2, Hsinchu Science
Park, Hsinchu 30076, Taiwan (R.O.C.)
Standard : FCC Part 15 Subpart C §15.247
FCC Part 15 Subpart E §15.407

The product was received on Jul. 09, 2021 and testing was started from Jul. 22, 2021 and completed on Aug. 02, 2021. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this spot check data report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu



Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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1. Introduction Section

MiTAC Digital Technology Corporation., hereby declares that the WLAN and Bluetooth hardware and digital circuit of P4Q-N650RN are identical to P4Q-N650.

The applicant takes full responsibility that the test data as referenced in this test report issued by Sporton International Inc. represent compliance for P4Q-N650RN.

Therefore the following report of P4Q-N650 may be used as reference test data for P4Q-N650RN, along with the spot check verification data following the FCC KDB 484596 D01 v01.



2. Difference Section

Difference between P4Q-N650 and P4Q-N650RN:

Mitac Digital hereby declares that P4Q-N650RN does not support NFC. All NFC-related components have been deprecated. There is no difference between P4Q-N650 and P4Q-N650RN in terms of WLAN and Bluetooth.



3. Spot Check Verification Data Section

Conducted power test and radiated spurious emission test against the variant model based on the worst-case condition from the original model was performed in this filing and the verification test results Similar to the original FCC ID. Detail spot check test result can be found in the variant model report, please refer to detail section table in section 4.

Summary of the spot check:

Test Item	Mode	P4Q-N650 Worst Result	P4Q-N650RN Worst Result	Difference (dB)
Average Conducted Power (dBm)	BT	10.38	10.11	0.27
	BLE	0.8	0.1	0.7
	WLAN 2.4G	16.3	15.4	0.9
	WLAN 5G B1-3	15.4	14.7	0.7
	WLAN 5G B4	13.8	13.7	0.1
Radiated Spurious Emission (Band Edge) (dBuV/m)	BT	54.26	56.81	-2.55
	BLE	48.61	50.09	-1.48
	WLAN 2.4G	48.84	49.56	-0.72
	WLAN 5G B1-3	50.81	48.69	2.12
	WLAN 5G B4	52.61	54.69	-2.08
Radiated Spurious Emission (Harmonic) (dBuV/m)	BT	49.58	58.2	-8.62
	BLE	46.81	47.4	-0.59
	WLAN 2.4G	44.15	45.09	-0.94
	WLAN 5G B1-3	49.4	51.28	-1.88
	WLAN 5G B4	48.45	52.36	-3.91



4. Reference detail Section

Rule Part	Equipment Class	Wireless Technology	Frequency Band (MHz)	Original FCC ID	Original Report	Variant Model FCC ID
15C	DTS	Bluetooth – LE WLAN	2400 – 2483.5	P4Q-N650	Part 15C (FR970921-04B, FR970921-04C)	P4Q-N650RN
	FHSS	Bluetooth	2400 – 2483.5	P4Q-N650	Part 15C (FR970921-04A)	P4Q-N650RN
15E	U-NII	WLAN	5150 – 5250 5250 – 5350 5470 – 5725 5725 - 5850	P4Q-N650	Part 15E (FR970921-04E, FR970921-04F)	P4Q-N650RN

END of this report