



SPOT CHECK EVALUATION

FCC ID : B32V400M2
Equipment : Point of Sale Terminal
Brand Name : Verifone
Model Name : V400m-2
V400m Plus 4G WW2
Applicant : VeriFone, Inc.
1400 West Stanford Ranch Road Suite
150 Rocklin CA 95765 USA
Manufacturer : VeriFone, Inc.
Standard : FCC Part 15 Subpart C §15.247
FCC Part 15 Subpart C §15.225
FCC Part 15 Subpart E §15.407

The product was received on Jul. 25, 2023 and testing was performed from Aug. 11, 2023 to Sep. 08, 2023. 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 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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History of this test report

Version	Description	Issue Date
01	Initial issue of report	Sep. 22, 2023
02	Revise model name, applicant and manufacturer information This report is an updated version, replacing the report issued on Sep. 22, 2023.	Oct. 11, 2023



1. Introduction Section

Verifone, Inc., hereby declares that the WLAN, Bluetooth, NFC hardware and digital circuit of FCC ID : B32V400M2 are identical to FCC ID : B32V400M4GWW.

Therefore the following report of FCC ID : B32V400M4GWW from FCC 731 form may be used as reference test data for FCC ID : B32V400M2, along with the spot check verification data following the FCC KDB 484596 D01 v01.

The applicant should take full responsibility that the test data as referenced in this report represent compliance for this FCC ID: B32V400M2.

Remark: The purpose of different model name is for marketing segmentation.



2. Difference Section

Verifone, Inc., hereby declares the difference between FCC ID : B32V400M4GWW and FCC ID : B32V400M2 are related only to the WWAN part. There is no difference between FCC ID : B32V400M4GWW and FCC ID : B32V400M2 in terms of Bluetooth, WLAN and NFC.



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	FCC ID : B32V400M4GWW Worst Result	FCC ID : B32V400M2 Worst Result	Difference (dB)
Peak Conducted Power (dBm)	BT	8.22	7.90	-0.32
	BLE	5.37	4.86	-0.51
	WLAN (2.4GHz)	23.32	23.12	-0.20
Average Conducted Power (dBm)	WLAN (5GHz) Band 1-3	12.67	12.40	-0.27
	WLAN (5GHz) Band 4	12.26	12.00	-0.26
Field Strength (dBμV/m)	NFC	87.67	79.85	-7.82
Radiated Spurious Emission (Band Edge) (dBμV/m)	BT	34.81	19.93	-14.88
	BLE	35.86	41.64	5.78
	WLAN (2.4GHz)	51.66	44.64	-7.02
	WLAN (5GHz) Band 1-3	49.23	50.39	1.16
	WLAN (5GHz) Band 4	52.61	52.54	-0.07
Radiated Spurious Emission (Harmonic) (dBμV/m)	BT	31.98	25.63	-6.35
	BLE	47.91	40.56	-7.35
	WLAN (2.4GHz)	48.64	40.36	-8.28
	WLAN (5GHz) Band 1-3	53.18	55.99	2.81
	WLAN (5GHz) Band 4	47.81	44.50	-3.31
	NFC	29.34	32.22	2.88



4. Reference detail Section

Rule Part	Equipment Class	Wireless Technology	Frequency Band (MHz)	Reference FCC ID	Reference Title
Part 15C	DTS	Bluetooth – LE WLAN	2400 – 2483.5	B32V400M4GWW	Part 15C (RF18205C03-5, RF18205C03-6)
	FHSS	Bluetooth	2400 – 2483.5	B32V400M4GWW	Part 15C (RF181205C03-04)
	DXX	NFC	13.56	B32V400M4GWW	Part 15C (RF181205C03-08)
Part 15E	U-NII	WLAN	5150 – 5250 5250 – 5350 5470 – 5725 5725 - 5850	B32V400M4GWW	Part 15E RF18205C03-6)

Note: The reference reports are from FCC 731 form.



5. List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna with 6dB pad	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63304 & 002	N/A	Oct. 04, 2022	Aug. 22, 2023~ Aug. 24, 2023	Oct. 03, 2023	Radiation (03CH22-HY)
Amplifier	SONOMA	310N	421581	N/A	Jul. 15, 2023	Aug. 22, 2023~ Aug. 24, 2023	Jul. 14, 2024	Radiation (03CH22-HY)
Horn Antenna	RFSPIN	DRH18-E	LE2C04A18E N	1GHz~18GHz	Jul. 12, 2023	Aug. 22, 2023~ Aug. 24, 2023	Jul. 11, 2024	Radiation (03CH22-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1224	18GHz-40GHz	Jul. 10, 2023	Aug. 22, 2023~ Aug. 24, 2023	Jul. 09, 2024	Radiation (03CH22-HY)
Amplifier	EMEC	EM01G18GA	060877	N/A	Sep. 29, 2022	Aug. 22, 2023~ Aug. 24, 2023	Sep. 28, 2023	Radiation (03CH22-HY)
Preamplifier	EMEC	EM18G40G	060872	18-40GHz	Sep. 28, 2022	Aug. 22, 2023~ Aug. 24, 2023	Sep. 27, 2023	Radiation (03CH22-HY)
Signal Analyzer	Keysight	N9010B	MY62170278	10Hz~44GHz	Sep. 11, 2022	Aug. 22, 2023~ Aug. 24, 2023	Sep. 10, 2023	Radiation (03CH22-HY)
Hygrometer	TECPEL	DTM-303A	TP211469	N/A	Jan. 06, 2023	Aug. 22, 2023~ Aug. 24, 2023	Jan. 05, 2024	Radiation (03CH22-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Aug. 22, 2023~ Aug. 24, 2023	N/A	Radiation (03CH22-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Aug. 22, 2023~ Aug. 24, 2023	N/A	Radiation (03CH22-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Aug. 22, 2023~ Aug. 24, 2023	N/A	Radiation (03CH22-HY)
Software	Audix	E3 6.09824 2019 122	RK-002347	N/A	N/A	Aug. 22, 2023~ Aug. 24, 2023	N/A	Radiation (03CH22-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 07, 2023	Aug. 22, 2023~ Aug. 24, 2023	Mar. 06, 2024	Radiation (03CH22-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804390/2,804 611/2,804615/ 2	N/A	Oct. 25, 2022	Aug. 22, 2023~ Aug. 24, 2023	Oct. 24, 2023	Radiation (03CH22-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 17, 2022	Aug. 11, 2023	Nov. 16, 2023	Conducted (TH05-HY)
Power Meter	Anritsu	ML2495A	932001	N/A	Sep. 26, 2022	Aug. 11, 2023	Sep. 25, 2023	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	846202	300MHz~40GHz	Sep. 26, 2022	Aug. 11, 2023	Sep. 25, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 13, 2022	Aug. 11, 2023	Sep. 12, 2023	Conducted (TH05-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Feb. 13, 2023	Sep. 08, 2023	Feb. 12, 2024	Radiation (03CH07-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	35419 & 03	30MHz~1GHz	Apr. 23, 2023	Sep. 08, 2023	Apr. 22, 2024	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Feb. 28, 2023	Sep. 08, 2023	Feb. 27, 2024	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1GHz	Oct. 03, 2022	Sep. 08, 2023	Oct. 02, 2023	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY15682/4	30MHz to 18GHz	Feb. 22, 2023	Sep. 08, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4	9kHz to 18GHz	Feb. 22, 2023	Sep. 08, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4	9kHz to 18GHz	Feb. 22, 2023	Sep. 08, 2023	Feb. 21, 2024	Radiation (03CH07-HY)
Controller	EMEC	EM1000	N/A	Control Ant Mast	N/A	Sep. 08, 2023	N/A	Radiation (03CH07-HY)
Controller	MF	MF-7802	N/A	Control Turn table	N/A	Sep. 08, 2023	N/A	Radiation (03CH07-HY)
Antenna Mast	EMEC	AM-BS-4500E	N/A	Boresight mast 1M~4M	N/A	Sep. 08, 2023	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Sep. 08, 2023	N/A	Radiation (03CH07-HY)
Software	Audix	E3	N/A	N/A	N/A	Sep. 08, 2023	N/A	Radiation (03CH07-HY)
USB Data Logger	TECEPIL	TR-32	HE17XB2495	N/A	Mar. 14, 2023	Sep. 08, 2023	Mar. 13, 2024	Radiation (03CH07-HY)