TEST REPORT

Applicant	:	MtM+ Technology Corporation
Address	:	8F, 178, MinQuan East Road, Section 3, Taipei 10542, Taiwan
Equipment	:	M905
Model No.	:	nRF52832
Trade Name	:	MtM+ Technology

I HEREBY CERTIFY THAT :

The sample was received on Nov. 08, 2017 and the testing was carried out on Nov. 08, 2017 at Cerpass Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of Cerpass Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Mark Liao / Assistant Manager

Tested by:

Spree Yei / Engineer

Laboratory Accreditation:

☒ Cerpass Technology Corporation Test Laboratory

TAF Testing Laboratory 1439

Contents

History of this test report

Report No.	Issue Date	Description
TECJ1709052	Nov. 13, 2017	Original

1. Summary of Test Procedure and Test Results

1.1 Applicable Standards

The measurements shown in this test report were made in accordance with the procedures given in EUROPEAN COUNCIL DIRECTIVE 2014/53/EU.

EN 62479:2010

2. Test Configuration of Equipment under Test

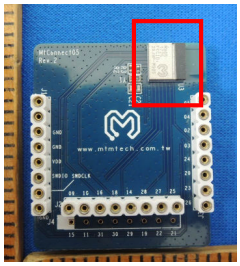
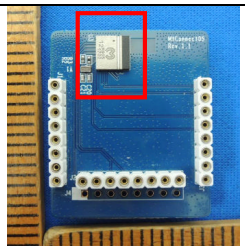
2.1 Feature of Equipment under Test

Modulation Type	BLE:GFSK NFC: ASK
Frequency Range	BLE: 2400-2483.5MHz NFC: 13.56MHz
Data Rate	BLE:1Mbps
Antenna Type	BLE: Chip Antenna NFC: Coil Antenna
Antenna Gain	BLE E1: -3.2 dBi E3: -5.9 dBi

*NFC is passive mode.

2.2 The Difference of EUT

This model no. can use two kinds of RF Antenna.

Item	RF Chip Position
E1	
E3	

3. General Information of Test

☒ Test Site	Cerpass Technology Corporation Test Laboratory Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel:+886-3-3226-888 Fax:+886-3-3226-881 Address: No.68-1, Shihbachongsi, Shihding Township, New Taipei City 223, Taiwan, R.O.C. Tel: +886-2-2663-8582	
	FCC	TW1079, TW1061, 390316, 228391, 641184
	IC	4934E-1, 4934E-2
	VCCI	T-2205 for Telecommunication Test C-4663 for Conducted emission test R-4218 for Radiated emission test G-10812, G-10813 for radiated disturbance above 1GHz
☐ Test Site	Cerpass Technology (Suzhou) Co., Ltd Address: No.66,Tangzhuang Road, Suzhou Industrial Park, Jiangsu 215006, China Tel: +86-512-6917-5888 Fax: +86-512-6917-5666	
	FCC	916572, 331395
	IC	7290A-1, 7290A-2
	VCCI	T-343 for Telecommunication Test C-2919 for Conducted emission test R-2670 for Radiated emission test G-227 for radiated disturbance above 1GHz
Test Condition	Normal Temperature : 25°C Extreme Temperature : -40°C and 85°C	

4. RF exposure evaluation

4.1 Scope

This International Standard provides simple conformity assessment methods for low-power electronic and electrical equipment to an exposure limit relevant to electromagnetic fields(EMF). If such equipment cannot be shown to comply with the applicable EMF exposure requirements using the methods included in this standard for EMF assessment, then other standards, including IEC 62311 or other (EMF) product standards, may be used for conformity assessment. This European Standard supersedes EN 50371:2002.

4.2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz), Official Journal L 199 of 30 July 1999.

IEC 62311, Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz – 300 GHz).

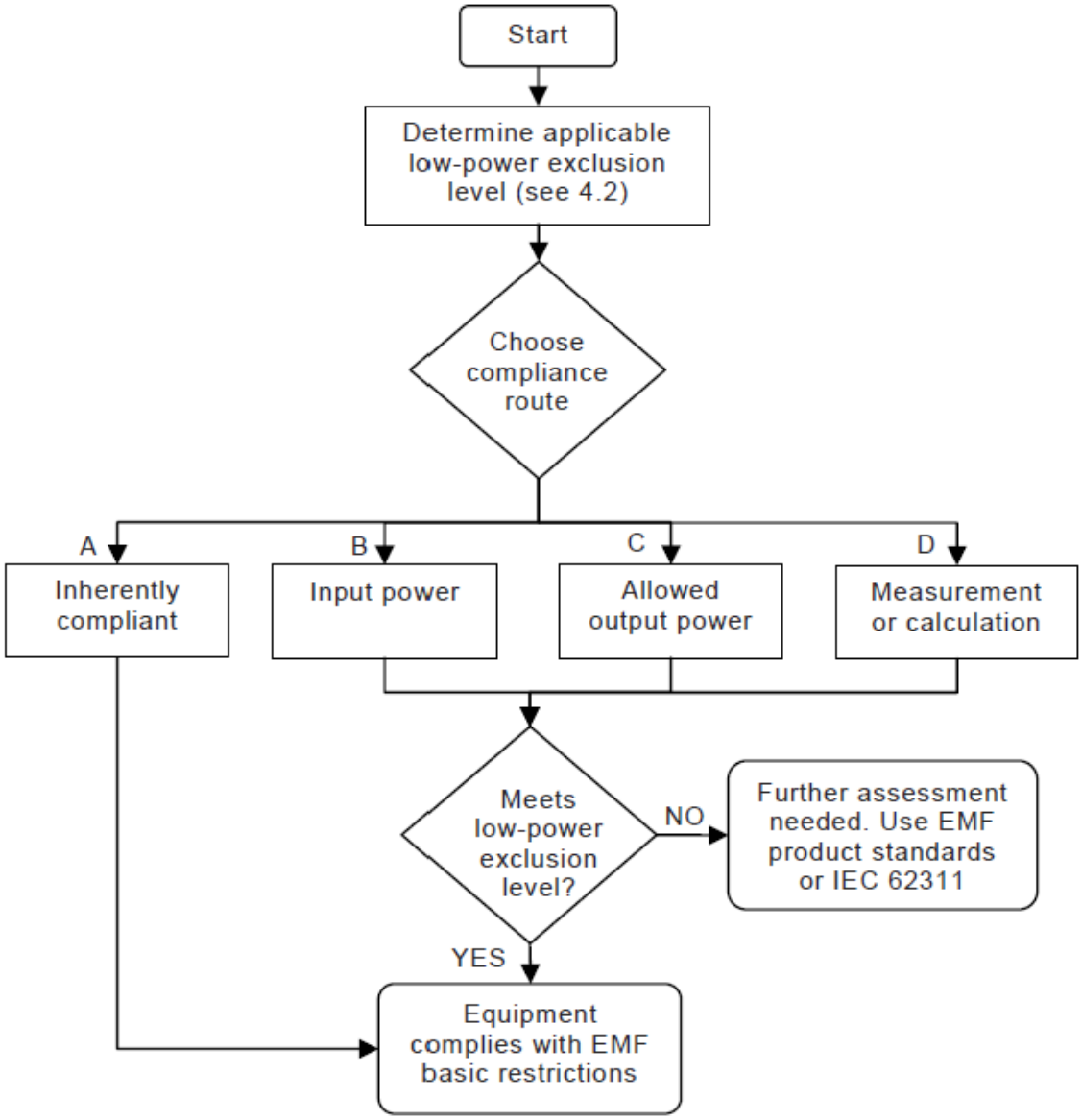
4.3 Compliance Criteria

Compliance of electromagnetic emissions from electronic and electrical equipment with the basic restrictions usually is determined by measurements and, in some cases, calculation of the exposure level. If the electrical power used by or radiated by the equipment is sufficiently low, the electromagnetic fields emitted will be incapable of producing exposures that exceed the basic restrictions. This standard provides simple EMF assessment procedures for this low power equipment.

Any relevant compliance assessment procedure which is consistent with the state of the art, reproducible and gives valid results can be used.

For transmitters intended for use with more than one antenna configuration option, the combination of transmitter and antenna(s) which generates the highest available antenna power and/or average total radiated power shall be assessed.

4.4 Routes to show compliance with low-power exclusion level



4.5 Limits

Equipment where the available antenna power and/or the average total radiated power is less than or equal to the 20mW (13dBm).

4.6 Evaluation Results

RF Chip: E1

Ch.	Frq.(MHz)	TP (W)	Gain (num.)	D (m)	Electric Field(V/m)	Limit of Electric Field (V/m)	Result
0	2402	0.0016	-3.2	0.2	1.10	61	Pass

RF Chip: E3

Ch.	Frq.(MHz)	TP (W)	Gain (num.)	D (m)	Electric Field(V/m)	Limit of Electric Field (V/m)	Result
0	2402	0.0009	-5.9	0.2	0.80	61	Pass