Prüfbericht - Produkte
Test Report - Products

TÜVRheinland®

Prüfbericht-Nr.: *Test report no.:*	**CN23QR2D 001**	**Auftrags-Nr.:** *Order no.:*	168404445	Seite 1 von 20 *Page 1 of 20*
Kunden-Referenz-Nr.: *Client reference no.:*	N/A	**Auftragsdatum:** *Order date:*	2022-12-22	
Auftraggeber: *Client:*	**VTech Electronics Limited** 23F Tai Ping Industrial Center, Block 1, 57 Ting Kok Road,Tai Po,Hong Kong			
Prüfgegenstand: *Test item:*	Wireless controller			
Bezeichnung / Typ-Nr.: *Identification / Type no.:*	6088, 80-608800, 80-608803, 80-608804, 80-608822, 80-6088xx (xx=00 to 99, definition of country and language version)			
Auftrags-Inhalt: *Order content:*	FCC and IC approval			
Prüfgrundlage: *Test specification:*	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 CFR47 FCC Part 2.1093		RSS-247 Issue 2 February 2017 RSS-Gen Issue 5 February 2021 RSS-102 Issue 5 February 2021	

Wareneingangsdatum: *Date of sample receipt:*	2022-12-28	Please refer to photo documents
Prüfmuster-Nr.: *Test sample no.:*	A003395764	
Prüfzeitraum: *Testing period:*	2022-12-29 – 2023-01-31	
Ort der Prüfung: *Place of testing:*	TÜV Rheinland (Shenzhen) Co., Ltd.	
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.	
Prüfergebnis*: *Test result*:*	Pass	

geprüft von: *tested by:*	X Alex Lan Signed by: Alex Lan	**genehmigt von:** *authorized by:*	X Lin Lin Signed by: Lin Lin
Datum: *Date:* 2023-03-10		**Ausstellungsdatum:** *Issue date:* 2023-03-10	
Stellung / Position	Assistant Project Manager	**Stellung** / Position	Reviewer

Sonstiges / *Other:*

FCC ID: G2R-6088
IC: 1135D-6088 HVIN: 6088 PMN: Peppa Pig Peppa's Big Day

Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt
Condition of the test item at delivery: *Test item complete and undamaged:*

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhalt
	P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
Legend:	*1 = very good*	*2 = good*	*3 = satisfactory*	*4 = sufficient*	*5 = poor*
	P(ass) = passed a.m. test specifications(s)		*F(ail) = failed a.m. test specifications(s)*	*N/A = not applicable*	*N/T = not tested*

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5.1.2 Maximum Conducted Output Power

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(b)(3) RSS-247 Clause 5.4(d)
Basic standard	:	ANSI C63.10: 2013
Limits	:	< 1 Watt (Maximum Conducted Peak Power) e.i.r.p. <4W
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2023-01-05
Input voltage	:	DC 3V
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For details refer to following test result.

Table 4: Test Result of Maximum Conducted Output Power

Channel	Channel Frequency (MHz)	Conducted Peak Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2408	-4.0	0.00040	1
Middle Channel	2438	-4.3	0.00037	1
High Channel	2472	-4.3	0.00037	1

Note: The cable loss is taken into account in results and the e.i.r.p. is -4.0 dBm less than 4W (36 dBm).

6 Safety Human Exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT: **Pass**

Test Specification

Test standard	:	FCC KDB Publication 447498 v06
		CFR47 FCC Part 2: Section 2.1093
		CFR47 FCC Part 1: Section 1.1310
		RSS-102 Issue 5 February 2021

FCC requirement:

The measured maximum conducted output power of the EUT is -4.0 dBm ≈ 0.4mW, which is far below the SAR exclusion threshold level 10mW (SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm), hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile and Portable RF Exposure. Guidance v06.

IC requirements:

The measured maximum specified e.i.r.p of the EUT is -4.0 dBm ≈ 0.4mW, which is far below the SAR exclusion threshold level 4mW, hence the EUT is excluded from SAR evaluation according to RSS-102 Issue 5 section 2.5.1.