



Prüfbericht-Nr.: Test report no.:	CN228TQ3 002	Auftrags-Nr.: Order no.:	168392589	Seite 1 von 3 Page 1 of 3	
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2022-09-27		
Auftraggeber: Client:	Shenzhen Chuangwei-RGB Electronics Co., Ltd. 13F-16F, Unit A, Skyworth Building, Shennan Road, Nanshan District, Shenzhen, China				
Prüfgegenstand: Test item:	BT voice remote controller				
Bezeichnung / Typ-Nr.: Identification / Type no.:	HS-8AB				
Auftrags-Inhalt: Order content:	Test Report				
Prüfgrundlage: Test specification:	CFR47 FCC Part 2: Section 2.1091 CFR47 FCC Part 1: Section 1.1310 KDB 447498 D01 General RF Exposure Guidance v06 FCC KDB Publication 865664 D02 v01r02 RSS-102 Issue 5				
Wareneingangsdatum: Date of sample receipt:	2022-09-27	Please refer to Photo Document			
Prüfmuster-Nr.: Test sample no.:	T220927046-Y01/02				
Prüfzeitraum: Testing period:	2022-09-27 – 2022-10-10				
Ort der Prüfung: Place of testing:	Shenzhen Central Standard International Center Co., Ltd.				
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.				
Prüfergebnis*: Test result*:	Pass				
geprüft von: tested by:	 X <u>Breeze Jiang</u>		genehmigt von: authorized by:	 X <u>Lin Lin</u>	
Datum: Date:	2022-11-02	Signed by: Breeze Jiang		Ausstellungsdatum: Issue date:	2022-11-02
Stellung / Position:	Assistant Project Manager		Stellung / Position:	Reviewer	
Sonstiges / Other:	FCC ID: 2ANM3HS8AB HVIN:HS-8AB IC:23165-HS8AB				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged				
* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhaft
	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 specification(s)	F(ail) = failed a.m. test specification(s)	N/A = not applicable	N/T = not tested	
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.					

v05

1. Radio Frequency Exposure

RESULT:
Pass

Test standard : FCC Part 2: Section 2.1093
 CFR47 FCC Part 1: Section 1.1310
 KDB 447498 D01 General RF Exposure Guidance v06
 FCC KDB Publication 865664 D02 v01r02
 RSS-102 Issue 5

1.1 Product Technical Information

The EUT is a BT voice remote controller which supports Bluetooth wireless technology.

For details refer to the User Manual, Technical Description and Circuit Diagram.

General Information of EUT	Value
Kind of Equipment	BT voice remote controller
Type Designation	HS-8AB
Operating Voltage	Battery operated (3.0Vdc, 2 X AAA batteries)
FCC ID	2ANM3HS8AB
IC	23165-HS8AB
HVIN	HS-8AB
Technical Specification of Bluetooth	
Operating Frequency	2402-2480MHz
Type of Modulation	GFSK
Data Rate	1Mbps
Channel Number	40 channels for Bluetooth BLE
Channel Separation	1MHz
Antenna Type	IFA Antenna
Antenna Number	1
Antenna Gain	1.5 dBi

Measurement Record:

The minimum distance for the EUT is less than 5mm.

For FCC:

BLE: Since maximum peak output power of the transmitter is $-1.051 \text{ dBm} \approx 0.785 \text{ mW} < \frac{3 \cdot d}{\sqrt{f}} = 9.52 \text{ mW}$.

Hence the EUT is excluded from SAR evaluation according to FCC KDB Publication 447498 D01 General RF Exposure Guidance v06.

For IC:

BLE: The maximum e.i.r.p. of the transmitter is 0.449 dBm (1.1089 mW), which is far below the SAR exclusion threshold level $4 \text{ mW} \approx 6.02 \text{ dBm}$.

Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 5.