

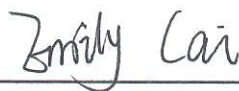
TEST REPORT
ESTE-R2206046
EN 50665:2017
EN IEC 62311:2020

After e.i.r.p test about the EUT as below

Equipment	:	Door Bell
Model	:	MD7L
Additional Model	:	MD7LA, MD7LB, MD8L, MD8LA, MD9L Note: They are identical except model name.
Trade Name:	:	STAVIX
Applicant	:	Zhuhai Gotech Intelligent Technology Co., Ltd.
Address	:	66 Yongda Road, Hongqi Town, Jinwan District, 519090 Zhuhai, P.R.China
Manufacturer	:	Zhuhai Gotech Intelligent Technology Co., Ltd.
Address	:	66 Yongda Road, Hongqi Town, Jinwan District, 519090 Zhuhai, P.R.China
Factory	:	Zhuhai Gotech Intelligent Technology Co., Ltd.
Address	:	2 jinliang Road, Hongqi Town, Jinwan District, Zhuhai 519090 P.R. China

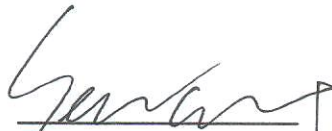
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Prepared by:



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- 1、 When determining the test conclusion, the Measurement Uncertainty of test has been considered.
- 2、 According to EN50665:2017 and EN 62311:2020, The apparatus shall comply with the basic restriction specified in Council Recommendation 1999/519/EC. The reference levels in the Council Recommendation 1999/519/EC on public exposure to electromagnetic fields are derived from the basic restrictions using worst-case assumptions about exposure. The criteria listed in the following table shall be used to evaluate the environmental impact of human exposure to radio-frequency(RF) radiation.
- 3、 Limit

Reference levels for electric, magnetic and electromagnetic fields
(0Hz to 300GHz, unperturbed rms values)

Frequency Range	E-Field Strength (V/m)	H-Field Strength (A/m)	B-Filed (uT)	Equivalent plane wave power density S_{eq} (W/m ²)
0-1 Hz	-	$3.2 * 10^4$	$4 * 10^4$	-
1-8 Hz	10000	$3.2 * 10^4 / f^2$	$4 * 10^4 / f^2$	-
8-25 Hz	10000	$4000 / f$	$5000 / f$	-
0.025-0.8 kHz	$250 / f$	$4 / f$	$5 / f$	-
0.8-3 kHz	$250 / f$	5	6.25	-
3-150 kHz	87	5	6.25	-
0.15-1 MHz	87	$0.73 / f$	$0.92 / f$	-
1-10 MHz	$87 / f^{1/2}$	$0.73 / f$	$0.92 / f$	-
10-400 MHz	28	0.073	0.092	2
400-2000 MHz	$1375 f^{1/2}$	$0.0037 f^{1/2}$	$0.0046 f^{1/2}$	$f / 200$
2-300 GHz	61	0.16	0.020	10

Power density (S) is calculated by the following formula:

$$S=(P*G)/ 4 \Pi R^2$$

$$E.I.R.P=P*G$$

Where, S=Power density(W/m2)

P=Output power to antenna(W)

R=Distance between radiating structure and observation point(m)

G=Gain of antenna in numeric

$\Pi=3.1416$

Maximum E.I.R.P		
Modulation	Maximum Antenna Gain (dBi)	E.I.R.P (dBm)
IEEE 802.11b	2	18.242
IEEE 802.11g	2	17.569
IEEE 802.11n HT 20(2.4G)	2	17.242

Maximum Power density							
Frequency Band	Maximum Antenna Gain (dBi)	Maximum Antenna Gain (numeric)	E.I.R.P (dBm)	E.I.R.P (W)	Power density (W/m ²)	Limit of Power density (W/m ²)	Result
2.4G	2	1.5849	16.242	0.0421	0.1327	10	Pass

Note: The “E.I.R.P” refer to the test report “ESTE-R2206044”.

End of Test Report