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Product Name:	Remote Controller	
Model / Type Reference:	ZS-RGBCW12K	
FCC ID:	2BU9Y-ZS-RGBCW12K	
Date of Issue:	2026-03-18	
Testing Laboratory:	LCTECH Guangdong Testing Services Co., Ltd. 2/F.,Technology and Enterprise Development Center, Guangyuan Road, Xiaolan, Zhongshan, Guangdong, China	
Test Specification:	KDB 447498 D04 Interim General RF Exposure Guidance v01	
Test Result:	Passed	
Compiled by:	Reviewed by:	
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Date Name Signature	Date Name Signature	
Remark:		
N/A		
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RF Exposure evaluation

According to 447498 D04 Interim General RF Exposure Guidance v01

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B. 1})$$

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B. 2})$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).
The example values shown in Table B.2 are for illustration only.

Table B.2—Example Power Thresholds (mW)

	Distance (mm)										
		5	10	15	20	25	30	35	40	45	50
Frequency (MHz)	300	39	65	88	110	129	148	166	184	201	217
	450	22	44	67	89	112	135	158	180	203	226
	835	9	25	44	66	90	116	145	175	207	240
	1900	3	12	26	44	66	92	122	157	195	236
	2450	3	10	22	38	59	83	111	143	179	219
	3600	2	8	18	32	49	71	96	125	158	195
	5800	1	6	14	25	40	58	80	106	136	169

$$e_{irp} = p_t \times g_t = (E \cdot d)^2 / 30$$

where: p_t = transmitter output power in watts,

g_t = numeric gain of the transmitting antenna (unitless),

E = electric field strength in V/m, --- $10^{((dBuV/m)/20)/10}$

d = measurement distance in meters (m)--- $3m$ $S_{opt} = (E \cdot d)^2 / 30 \times g_t$

Frequency(MHz)	Field Strength (dBuV/m)	eirp(mW)	limit (mW)	min. distance (cm)
2402	92.96	0.593	3	0.50

Then SAR evaluation is not required