

## FCC ID: 2BN6E-4DKANKAN

## **Test Requirement**

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b), Limits for Maximum Permissible Exposure (MPE),

Frequency range	Electric field	Magnetic field	Power density	Averaging time	
(MHz)	strength(V/m)	strength (A/m)	(mW/cm <sup>2</sup> )	(minutes)	
12	(A) Limits for (	Occupational/Controlle	d Exposures		
0.3-3.0	614	1.63	*(100)	6	
3.0–30	1842/f	4.89/f	*(900/f <sup>2</sup> )	6	
30–300	61.4	0.163	1.0	6	
300–1500		0. 0	f/300	6	
1500-100,000	12	N : N	5	6	
17 17	(B) Limits for Gene	eral Population/Uncon	trolled Exposure	12	
0.3-1.34	614	1.63	*(100)	30	
1.34–30	824/f	2.19/f	*(180/f <sup>2</sup> )	30	
30–300	27.5	0.073	0.2	30	
300-1500	0 - 0	27	f/1500	30	
1500-100,000	62)	i - i,	1.0	30	

Note: f = frequency in MHz

## **EVALUATION METHOD**

Transmission formula:  $Pd = (Pout*G)/(4*pi*r^2)$ 

Where

 $Pd = power density in mW/cm^2$ , Pout = output power to antenna in mW, <math>G = gain of antenna in

Pi = 3.1416, R = distance between observation point and center of the radiator in cm





## **Assessment Result**

$\boxtimes$	<b>Passed</b>			<b>Not Applicable</b>
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Frequency (MHz)	Туре	Conducted Power (dBm)	Maxi mum Tune-	Power Density (mW/cm2)	Limit (mW/cm2)	Result
2437	2.4G WIFI	13.53	14	0.012704	1.0000	Pass
2402	BT	4.05	5	0.001599	1.0000	Pass
5230	U-NII Band 1 ANT 1	18.95	19	0.036978	1.0000	Pass
5755	U-NII Band UNII_3 ANT 1	18.78	19	0.031185	1.0000	Pass
5180	U-NII Band 1 ANT 2	16.74	17	0.023332	1.0000	Pass
5180	U-NII Band UNII_3 ANT 2	18.58	19	0.031185	1.0000	Pass

Note(1): The exposure evaluation safety distance is 20cm.

Note(2):EUT has two antennas and cannot transmit at the same time BT EIRP= Reading result -95.2=99.25-95.2=4.05dBm 2.4G WIFI Antenna Gain:4.05dBi, BT Antenna Gain:4.05dBi 5G WIFI Antenna Gain:B1:3.69dBi,B4:2.95dBi

ANT 2 Simultaneous emission=BT+2.4G WIFI+5G WIFI=0.012704 +0.001599+0.031185=0.045488

----The End-----



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