FCC ID : 2AB4KMTYH7018

➢ Test Standards and Limits
1. According to KDB 447498 D01 v06, Section 4.3.1
2. FCC Radiofrequency radiation exposure limits:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤50 mm are determined by:

[(max power of channel)/(min test separation distance)]*[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

• f(GHz) is the RF channel transmit frequency in GHz
• Power and distance are rounded to the nearest mW and mm
• The result is rounded to one decimal place for comparison
• 3.0 and 7.5 are referred to as the numeric thresholds

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation

distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

For 2.4G band device, the limit of worse case is

$P_{max}≤3.0*D_{min})/ f =3.0*5/ 2.480 =9.525mW$

➢ Measurement and Calculation
1. Maximum transmit power

Antenna Gain:	-0.58 dBi

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Powert[dBm]
DH5	Ant1	2402	-4.23
		2441	-3.76
		2480	-2.87
2DH5	Ant1	2402	-2.39
		2441	-1.69
		2480	-1.12
3DH5	Ant1	2402	-1.80
		2441	-1.06
		2480	-0.36

2. MPE Calculation
The Max Conducted Peak Output Power is -0.36 dBm.
The Max Antenna Gain is -0.58 dBi.

According to the formula. calculate the EIRP test result:
EIRP= P x G = 0.92 mW x 0.87 = 0.80mW < 9.525mW

So the SAR report is not required.

-End of the Report-