

RF EXPOSURE REPORT

FCC ID: 2ASVQ-MAGNSLITE

Report Reference No. : 22EFSS05087

Date of issue : 2022-06-14

Applicant's name : MAYFLASH LIMITED

Address : 3/F,Buiding No.1,TingWei Industrial Park,LiuFang ,
Rd,No.67,BaoAn,Shenzhen,China.

Manufacturer : MAYFLASH LIMITED

Equipment : USB Wireless Adapter

Trade Mark : /

Model : MAGIC-NS Lite

Ratings : I/P: DC 5V

Testing Laboratory : DongGuan ShuoXin Electronic Technology Co., Ltd.

Address : Zone A, 1F, No. 6, XinGang Road YuanGang Street,
XinAn District, ChangAn Town, DongGuan City,
GuangDong, China

According : KDB447498 D01 General RF Exposure Guidance v06

Test Engineer:



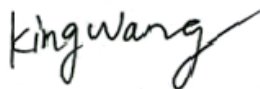
Blue Qiu

Responsible Engineer :



Smile Wang

Authorized Signatory:



King Wang

MPE CALCULATION METHOD:

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

Approximate SAR Test Exclusion Power Thresholds at Selected Frequencies and Test Separation Distances are illustrated in the following Table.

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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where $f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

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 is applied to determine SAR test exclusion.

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)	Note
1	N/A	N/A	PCB	N/A	2.63	

TEST RESULTS

EUT :	USB Wireless Adapter	Model Name :	MAGIC-NS Lite
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	DC5V		

Test Channel	max power (dBm)	[(max. power of channel, including tune-up tolerance, mW)	(min. test separation distance,mm)]	[f(GHz)]	Result	Limit
BT 1M						
CH00	-1.589	0.694	5	2.402	0.215	3
CH19	-0.771	0.837	5	2.441	0.262	3
CH39	-1.103	0.776	5	2.480	0.244	3
BT 2M						
CH00	-1.665	0.682	5	2.402	0.211	3
CH19	-0.809	0.830	5	2.441	0.259	3
CH39	-1.138	0.769	5	2.480	0.242	3
BT 3M						
CH00	-1.286	0.744	5	2.402	0.231	3
CH19	-0.430	0.906	5	2.441	0.283	3
CH39	-0.787	0.834	5	2.480	0.263	3

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:

$$\frac{[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance,mm})]}{\cdot [\sqrt{f(\text{GHz})}]}$$

The test Result is less than 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.