

TEST REPORT

Product Name : Bluetooth MODULE

Brand Mark : RF-STAR

Model No. : RF-BM-ND06

FCC ID : 2ABN2-RF-BM-ND06

Report Number : BLA-EMC-202012-A3101

Date of Sample Receipt : 2020/12/12

Date of Test : 2020/12/12 to 2020/12/29

Date of Issue : 2020/12/30

Test Standard 47 CFR Part 1.1307, Part 2.1093, KDB

447498

Test Result : Pass

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REPORT REVISE RECORD

Version No.	Date	Description	
00	2020/12/30	Original	



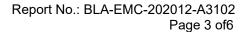




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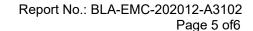
Report No.: BLA-EMC-202012-A3102

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1 TEST SUMMARY

Test item	Test Requirement	Test Method	Class/Severity	Result
RF Exposure	47 CFR Part 1.1307, Part 2.1093, KDB 447498	CFR 47 Part 2.1093	CFR 47 Part 2.1093	Pass







2 LIMITS

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

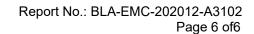
[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

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





2.1 EUT RF EXPOSURE EVALUATION

Operational Mode: BLE (GFSK worst case)							
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power(dBm)	Maximum tune-up Power(mW)	Calculated value	Exclusion threshold	
2402MHz	-0.39	±1	0.61	1.15	0.36	3	
2440MHz	-0.35	±1	0.65	1.16	0.36	3	
2480MHz	-0.13	±1	0.87	1.22	0.38	3	
Conclusion: the calculated value ≤3.0, SAR is exempted.							

----END OF REPORT----

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