

TEST REPORT

Product Name : Wireless Communication Headset
Brand Mark : KOSS
Model No. : KOSS CS340BT QZ
FCC ID : L76-CS340BTQZ-X
Report Number : BLA-EMC-202111-A5303
Date of Sample Receipt : 2021/11/10
Date of Test : 2021/11/10 to 2021/11/19
Date of Issue : 2021/11/19
Test Standard : 47 CFR Part 1.1307, Part 2.1093, KDB
447498
Test Result : Pass

Prepared for:

Koss Corporation

4129 N. Port Washington Rd Milwaukee, WI 53212

Prepared by:

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REPORT REVISE RECORD

Version No.	Date	Description
00	2021/11/19	Original

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TABLE OF CONTENTS

1	TEST SUMMARY.....	4
2	GENERAL INFORMATION.....	5
3	GENERAL DESCRIPTION OF E.U.T.....	5
4	LABORATORY LOCATION.....	5
5	RF EXPOSURE COMPLIANCE REQUIREMENT.....	6
5.1	STANDARD REQUIREMENT.....	6
5.2	LIMITS.....	6
5.3	EUT RF EXPOSURE.....	6

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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

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2 GENERAL INFORMATION

Applicant	Koss Corporation
Address	4129 N. Port Washington Rd Milwaukee, WI 53212
Manufacturer	ASKA Electronics Co. Ltd.
Address	No.5 Puxin Road, Keyuancheng Industrial Park, Tangxia Town, Dongguan, Guangdong , China PRC. 523725
Factory	ASKA Electronics Co. Ltd.
Address	No.5 Puxin Road, Keyuancheng Industrial Park, Tangxia Town, Dongguan, Guangdong , China PRC. 523725
Product Name	Wireless Communication Headset
Test Model No.	KOSS CS340BT QZ

3 GENERAL DESCRIPTION OF E.U.T.

Hardware Version	MB_PCB_V51_210112
Software Version	C060_koss_V07_20210730
Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK, pi/4DQPSK, 8DPSK
Channel Spacing:	1MHz
Number of Channels:	79
Antenna Type:	PCB Antenna
Antenna Gain:	1dBi(Provided by the applicant)

4 LABORATORY LOCATION

All tests were performed at:
 BlueAsia of Technical Services(Shenzhen) Co., Ltd.
 Building C, No. 107, Shihuan Road, Shiyuan Sub-District, Baoan District, Shenzhen, Guangdong Province,
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 Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673
 No tests were sub-contracted.

5 RF EXPOSURE COMPLIANCE REQUIREMENT

5.1 STANDARD REQUIREMENT

According to KDB447498D01 General RF Exposure Guidance v06

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

5.2 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:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot \sqrt{f(\text{GHz})} \leq 3.0$ 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 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

5.3 EUT RF EXPOSURE

Operational Mode:BT						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
2402 MHz	0.296	± 1	1.296	1.35	0.42	3.0
2441 MHz	0.279	± 1	1.279	1.34	0.42	
2480 MHz	0.225	± 1	1.225	1.33	0.42	
Conclusion: the calculated value ≤ 3.0 , SAR is exempted.						

----END OF REPORT----

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