TEST REPORT

Product Name	:	COMPACT DISC STEREO SYSTEM
Brand Mark	:	SHARP,VTREK
Model No.	:	CD-BH10
Extension Model	:	CM5750A
FCC ID	:	ESX-BH10
Report Number	:	BLA-EMC-202305-A6303
Date of Sample Receipt	:	2023/5/22
Date of Test	:	2023/5/22 to 2023/5/30
Date of Issue	:	2023/5/30
Test Standard	:	47 CFR Part 15, Part1.1307 47 CFR Part 15, Part2.1093 KDB447498D04 General RF Exposure Guidance v01
Test Result	:	Pass

Prepared for:

Guangzhou Panyu Juda Car Audio Equipment Co., Ltd
NO.5 Building ,No.139,Zhouxing Street,Dongchong Town,Nansha District,Guangzhou City,Guangdong Province,China

Prepared by:

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Date: 2023/5/30

BlueAsia of Technical Services(Shenzhen) Co.,Ltd. BLA

REPORT REVISE RECORD

Version No.	Date	Description
00	2023/5/30	Original

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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 GENERAL INFORMATION

Applicant	Guangzhou Panyu Juda Car Audio Equipment Co., Ltd
Address	NO.5 Building ,No.139,Zhouxing Street,Dongchong Town,Nansha District,Guangzhou City,Guangdong Province,China
Manufacturer	Guangzhou Panyu Juda Car Audio Equipment Co., Ltd
Address	NO.5 Building ,No.139,Zhouxing Street,Dongchong Town,Nansha District,Guangzhou City,Guangdong Province,China
Factory	Guangzhou Panyu Juda Car Audio Equipment Co., Ltd
Address	NO.5 Building ,No.139,Zhouxing Street,Dongchong Town,Nansha District,Guangzhou City,Guangdong Province,China
Product Name	COMPACT DISC STEREO SYSTEM
Test Model No.	CD-BH10
Extension Model	CM5750A
Remark	The above models are identical in PCB layout, internal structure and circuit. The difference is the model name and trademark for commercial use. VTREK trademark corresponds to model CM5750A.

3 GENERAL DESCRIPTION OF E.U.T.

Hardware Version	04
Software Version	BK32xx RF Test

Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK,pi/4DQPSK,8DPSK
Channel Spacing:	1MHz
Number of Channels:	79
Antenna Type:	PCB Antenna
Antenna Gain:	0dBi(Provided by the customer)

4 LABORATORY LOCATION

All tests were performed at:
BlueAsia of Technical Services(Shenzhen) Co.,Ltd.
Building C, No. 107, Shihuan Road, Shiyan Sub-District, Baoan District, Shenzhen, Guangdong Province, China
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 447498 D04 Interim General RF Exposure Guidance v01

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

$$P_{\text{th}}\,(\text{mW}) = \begin{cases} ERP_{20\,\text{cm}}(d/20\,\text{cm})^{x} & d \le 20\,\text{cm} \\ ERP_{20\,\text{cm}} & 20\,\text{cm} < d \le 40\,\text{cm} \end{cases} \qquad \text{(B.2)}$$

where

$$x = -\log_{10}\left(\frac{60}{ERP_{20\,\text{cm}}\sqrt{f}}\right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20\text{cm}}$ is per Formula (B.1).

Example values shown in Table B.2 are for illustration only.

Table B.2—Example Power Thresholds (mW)

Frequency (MHz)	Distance (mm)									
	5	10	15	20	25	30	35	40	45	50
300	39	65	88	110	129	148	166	184	201	217
450	22	44	67	89	112	135	158	180	203	226
835	9	25	44	66	90	116	145	175	207	240
1900	3	12	26	44	66	92	122	157	195	236
2450	3	10	22	38	59	83	111	143	179	219
3600	2	8	18	32	49	71	96	125	158	195
5800	1	6	14	25	40	58	80	106	136	169

$$P_{\text{th}}\,(\text{mW}) = ERP_{20\,\text{cm}}\,(\text{mW}) = \begin{cases} 2040f & 0.3\,\text{GHz} \le f < 1.5\,\text{GHz} \\ 3060 & 1.5\,\text{GHz} \le f \le 6\,\text{GHz} \end{cases} \qquad \text{(B.1)}$$

Ant gain = 0 dBi
Max Output power =-0.547dBm @EDR@ 2402MHz
ERP = -0.547dBm+0dBi-2.15=-2.697dBm
So

worse case：

10^-0.0547=0.882mW < 3060 mW
Comply with RF exposure exemption limit.

----END OF REPORT----

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