



Report No.: SZEM190501356002

Page: 1 of 7

## **SAR Evaluation Report**

Application No.: SZEM1905013560CR

Applicant: Dongguan Pinmi Electronic Technology Co., Ltd.

Address of Applicant: 2F, E Building, Hongda Industrial Park, Jianshe Road, Shima Community,

Tangxia Town, Dongguan China

Manufacturer: Dongguan Pinmi Electronic Technology Co., Ltd

Address of Manufacturer: 2F, E Building, Hongda Industrial Park. Jianshe Road, Shima Community,

Tangxia Town.

Factory: Dongguan Pinmi Electronic Technology Co., Ltd

Address of Factory: 2F, E Building, Hongda Industrial Park. Jianshe Road, Shima Community,

Tangxia Town.

**Equipment Under Test (EUT):** 

EUT Name: Car MP3 Player

Model No.: Please refer to section 4.1 ♣

Please refer to section 4.1 of this report which indicates which model was

actually tested and which were electrically identical.

FCC ID: 2AMBA-A996

**Standards:** 47 CFR Part 1.1307

47 CFR Part 2.1093

KDB447498D01 General RF Exposure Guidance v06

**Date of Receipt:** 2019-05-06

**Date of Test:** 2019-05-28 to 2019-05-30

**Date of Issue:** 2019-06-03

Test Result : PASS\*

Keny Xu EMC Laboratory Manager

Keny. Ku



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<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.



Report No.: SZEM190501356002

Page: 2 of 7

## 2 Version

Revision Record						
Version	Chapter	Date	Modifier	Remark		
01		2019-06-03		Original		

Authorized for issue by:		
	fore Boro	
	Powell Bao /Project Engineer	
	EvicFu	
	Eric Fu /Reviewer	-



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Report No.: SZEM190501356002

Page: 3 of 7

### **Contents**

		Pa	age
1	COV	ER PAGE	1
2	VER	SION	2
3	CON	TENTS	3
4	GEN	ERAL INFORMATION	4
	4.1	GENERAL DESCRIPTION OF EUT	4
		TEST LOCATION	
	4.3	TEST FACILITY	5
	4.4	DEVIATION FROM STANDARDS	6
		ABNORMALITIES FROM STANDARD CONDITIONS	
	4.6	OTHER INFORMATION REQUESTED BY THE CUSTOMER	6
5	SAR	EVALUATION	7
	5.1	RF Exposure Compliance Requirement	7
	5.1.1	Standard Requirement	7
	5.1.2		
	5.1.3	B EUT RF Exposure	7



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Report No.: SZEM190501356002

Page: 4 of 7

## 4 General Information

### 4.1 General Description of EUT

Power supply:	Input: DC12-24V
	Output: DC5V
Operation Frequency:	2402MHz to 2480MHz
Bluetooth Version:	V2.1+EDR
Spectrum Spread Technology:	Frequency Hopping Spread Spectrum(FHSS)
Modulation Type:	GFSK, π/4DQPSK, 8DPSK
Number of Channels:	79
Channel Spacing:	1MHz
Antenna Type:	Integral Antenna
Antenna Gain:	1.2dBi

#### **Declaration of EUT Family Grouping:**

Model No.: T26D, T10D, T11D, T25S, T25Q, T32, T33, T34, T35, T35S, T41, T42, T43, T43S, T45S, T46, T47, T48, T49, DAB-01, AG02, AG03, T45Q, T45C, T25, T6S, T9, T9S, T10, T10S, T10Q, T10C, T11, T12, T13, T15, T16, T17, T18, T19, T20, T21, T22, T23, T24, T26, T27, T27D, T28, T28D, T29, T29D, T30S, T31, T30D, T31D, T32S, T36, T37, T38, T39, T40, T45, T45Q, T45C, T50, T51, T52, T53, T55, T56, T57, T58, T59, T60, T61, T62, T63, T65, T66, T67, T68, T69, T70, T71, T72, T73, T75, X5, A18S, A18C, AG03, AG05, AG06, AG07, AG08, AG09, AG10, J19, J20, J21, J22, J23, J25, J26, J27, J28, J29, J30, AMT9S, AMT20, AMA18S, CAD4057, 6E, E08, E09, E09S, E10, E11, E12, E13, E15, SWBLUE6, Comsoon T24, Comsoon T25, Comsoon C52S, VPROOF T24, VPROOF T25, BOVON T24, BOVON T25, BOVON C27, T33S, AMT11, CAD4072, CAD4073, AQFMT05, AQFMT6, CP89, CP27B, DAB-01, DAB-02, DAB-03, DAB-05, BH346A

Only the model T26D was tested, since the electrical circuit design, layout, components used, internal wiring and functions were identical for the above models, with only difference on color.



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Report No.: SZEM190501356002

Page: 5 of 7

### 4.2 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China 518057

Telephone: +86 (0) 755 2601 2053 Fax: +86 (0) 755 2671 0594

No tests were sub-contracted.

## 4.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

#### • CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

#### A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

#### VCCI

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

#### • FCC -Designation Number: CN1178

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

#### Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.



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Report No.: SZEM190501356002

Page: 6 of 7

### 4.4 Deviation from Standards

None.

### 4.5 Abnormalities from Standard Conditions

None

## 4.6 Other Information Requested by the Customer

None.



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Report No.: SZEM190501356002

Page: 7 of 7

### 5 SAR Evaluation

## 5.1 RF Exposure Compliance Requirement

#### 5.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. 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.

#### 5.1.2 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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]  $\cdot$  [ $\sqrt{f(GHz)}$ ]  $\leq$  3.0 for 1-g SAR and  $\leq$  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 calculation<sup>17</sup>

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq$  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

#### 5.1.3 EUT RF Exposure

The Max. power (including tune-up tolerance) is	1.13	dBm on the middle channel	2.441	GHz (*)
.13 dBm logarithmic terms convert to numeric result is nearly 1.30 mW				
According to the formula. calculate the test excl	According to the formula. calculate the test exclusion thresholds:			
[(max. power of channel, including tune-up tol [\f(GHz)]	erance,	mW)/(min. test separation d	istance,	mm)]·
General RF Exposure = $(1.30 \text{ mW} / 5 \text{ mm}) \times \sqrt{2.441}$ SAR requirement:	GHz = 0	0.41	(1)	
S = 3.0			(2)	
(1) < (2)				
So the SAR report is not required.				
(*) Max. power refer to Report No.:SZEM1905013	356001			

- End of the Report -



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