

# The Mines Press, Inc SAR COMPLIANCE REPORT

## **Report Type:**

FCC SAR assessment report

#### Model:

780-2046

#### **REPORT NUMBER:**

210401413SHA-003

#### **ISSUE DATE:**

April 28, 2021

#### **DOCUMENT CONTROL NUMBER:**

TTRFFCCSAR-01 V1 © 2018 Intertek





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Report no.: 210401413SHA-003

**Applicant:** The Mines Press, Inc

231 Croton Avenue, Cortlandt Manor, NY 10567 USA

Manufacturer: The Mines Press, Inc

Manufacturing site: 231 Croton Avenue, Cortlandt Manor, NY 10567 USA

**Product Name:** Bluetooth speaker pillow

**Type/Model:** 780-2046

**FCC ID:** 2ATXKEB780204

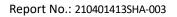
#### **SUMMARY:**

The equipment complies with the requirements according to the following standard(s) or Specification:

KDB447498 D01 General RF Exposure Guidance v06 FCC Part2.1091, FCC Part2.1093 FCC Part1.1307(b)

PREPARED BY:	REVIEWED BY:	
Wade zhang	Daniel.	
Project Engineer	Reviewer	
Wade Zhang	Daniel Zhao	

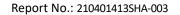
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# **Revision History**

Report No.	Version	Description	Issued Date
210401413SHA-003	Rev. 01	Initial issue of report	April 28, 2021





## **1 GENERAL INFORMATION**

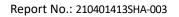
# 1.1 Description of Equipment Under Test (EUT)

Product name:	Bluetooth speaker pillow
Type/Model:	780-2046
Description of EUT:	The EUT is a Bluetooth speaker pillow which support Bluetooth technology, there have only one mode.
Rating:	DC 4.5V (3*AA Battery)
Category of EUT:	Class B
EUT type:	☐ Table top ☒ Floor standing
Software Version:	2.0
Hardware Version:	2.0
Sample received date:	April 16, 2021
Date of test:	April 16, 2021 ~April 28, 2021

# 1.2 Technical Specification

Frequency Range:	2402MHz ~ 2480MHz
Support Standards:	Bluetooth BR+EDR
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Type of Modulation:	GFSK, π/4 DQPSK
Channel Number:	79 (0 - 78)
Data Rate:	1Mbps
Channel Separation:	1MHz

Antenna information:			
No.	Antenna Type	Gain (dBi)	Note
1	Internal antenna	-0.58	/

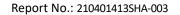




# 1.3 Description of Test Facility

Name:	Intertek Testing Services Shanghai
Address:	Building 86, No. 1198 Qinzhou Road(North), Shanghai 200233, P.R. China
Telephone:	86 21 61278200
Telefax:	86 21 54262353

The test facility is recognized,	CNAS Accreditation Lab Registration No. CNAS L0139
certified, or accredited by thes organizations:	FCC Accredited Lab Designation Number: CN1175
organizations.	IC Registration Lab CAB identifier.: CN0051
	VCCI Registration Lab Registration No.: R-14243, G-10845, C-14723, T-12252
	A2LA Accreditation Lab Certificate Number: 3309.02





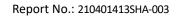
# **2** SAR Assessment

Test result: Pass

## 2.1 SAR Test Exclusion Limit

## 100 MHz - 6 GHz and $\leq$ 50 mm

						-
mm	25	20	15	10	5	MHz
	194	155	116	77	39	150
	137	110	82	55	27	300
	112	89	67	45	22	450
	82	66	49	33	16	835
	79	63	47	32	16	900
SAR Test Exclusion	61	49	37	24	12	1500
Threshold (mW)	54	44	33	22	11	1900
	48	38	29	19	10	2450
	40	32	24	16	8	3600
	33	26	20	13	7	5200
	32	26	19	13	6	5400
	31	25	19	12	6	5800
mm	50	45	40	35	30	MHz
	387	349	310	271	232	150
	274	246	219	192	164	300
	224	201	179	157	134	450
	164	148	131	115	98	835
	158	142	126	111	95	900
SAR Test Exclusion	122	110	98	86	73	1500
Threshold (mW)	109	98	87	76	65	1900
	96	86	77	67	57	2450
	79	71	63	55	47	3600
	66	59	53	46	39	5200
	65	58	52	45	39	5400
	62	56	50	44	37	5800





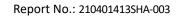
## **TEST REPORT**

## 100 MHz - 6 GHz and > 50 mm

MHz	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	mm
100	474	481	487	494	501	507	514	521	527	534	541	547	554	561	567	
150	387	397	407	417	427	437	447	457	467	477	487	497	507	517	527	
300	274	294	314	334	354	374	394	414	434	454	474	494	514	534	554	
450	224	254	284	314	344	374	404	434	464	494	524	554	584	614	644	
835	164	220	275	331	387	442	498	554	609	665	721	776	832	888	943	
900	158	218	278	338	398	458	518	578	638	698	758	818	878	938	998	
1500	122	222	322	422	522	622	722	822	922	1022	1122	1222	1322	1422	1522	mW
1900	109	209	309	409	509	609	709	809	909	1009	1109	1209	1309	1409	1509	
2450	96	196	296	396	496	596	696	796	896	996	1096	1196	1296	1396	1496	
3600	79	179	279	379	479	579	679	779	879	979	1079	1179	1279	1379	1479	
5200	66	166	266	366	466	566	666	766	866	966	1066	1166	1266	1366	1466	
5400	65	165	265	365	465	565	665	765	865	965	1065	1165	1265	1365	1465	
5800	62	162	262	362	462	562	662	762	862	962	1062	1162	1262	1362	1462	

## < 100 MHz and < 200 mm

MHz	< 50	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	mm
100	237	474	481	487	494	501	507	514	521	527	534	541	547	554	561	567	
50	308	617	625	634	643	651	660	669	677	686	695	703	712	721	729	738	
10	474	948	961	975	988	1001	1015	1028	1041	1055	1068	1081	1095	1108	1121	1135	
1	711	1422	1442	1462	1482	1502	1522	1542	1562	1582	1602	1622	1642	1662	1682	1702	mW
0.1	948	1896	1923	1949	1976	2003	2029	2056	2083	2109	2136	2163	2189	2216	2243	2269	
0.05	1019	2039	2067	2096	2125	2153	2182	2211	2239	2268	2297	2325	2354	2383	2411	2440	
0.01	1185	2370	2403	2437	2470	2503	2537	2570	2603	2637	2670	2703	2737	2770	2803	2837	





## 2.2 Assessment Results

	The highest 0.97mW < 1 requiremen	<u>n)</u> . Therefore	, the SAR				
**:	******	******	******	*** END **	******	******	*****