Shenzhen Most Technology Service Co., Ltd.
No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.

RF Exposure Evaluation Report

Report Reference No......:	**MTWG22020055-H**
FCC ID..... :	**2A4C5-R-61**
Compiled by (position+printed name+signature)..:	File administrators Alisa Luo
Supervised by (position+printed name+signature)..:	Test Engineer Sunny Deng
Approved by (position+printed name+signature)..:	Manager Yvette Zhou
Date of issue.....:	**February 22,2022**
Representative Laboratory Name .:	**Shenzhen Most Technology Service Co., Ltd.**
Address .....:	No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.
Applicant's name.....:	**Cosmo Fiber Corp.**
Address .....:	1802 Santo Domingo Ave, Duarte, California, United States
Test specification/ Standard .....**:**	**47 CFR Part 1.1307** **47 CFR Part 2.1093**
TRF Originator.....:	Shenzhen Most Technology Service Co., Ltd.

Test item description .....:	Speaker
Trade Mark .....:	N/A
Manufacturer .....:	**NINGBO SC-STARMAX IMP. & EXP. CO.,LTD.**
Model/Type reference.....:	R-61
Listed Models .....:	LZYX-20121-1
Modulation Type .....:	GFSK, π/4DQPSK, 8DPSK
Operation Frequency.....:	From 2402MHz to 2480MHz
Hardware Version.....	V1.1.1
Software Version	V00
Rating .....:	DC3.7V by Battery DC 5V(by USB)
Result.....:	**PASS**

TEST REPORT

Equipment under Test	:	Speaker
Model /Type	:	R-61
Listed Models	:	LZYX-20121-1
Remark		Only the model name is different.
Applicant	:	**Cosmo Fiber Corp.**
Address	:	1802 Santo Domingo Ave, Duarte, California, United States
Manufacturer	:	**NINGBO SC-STARMAX IMP. & EXP. CO.,LTD.**
Address	:	15F, MU Group, Building B16 (West Area), No.2560 Yongjiang Avenue, Yinzhou District, Ningbo, China. 315048

Test Result:	**PASS**

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2022-02-22	Initial Issue	Alisa Luo

2. SAR Evaluation

2.1 RF Exposure Compliance Requirement

2.1.1 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.

2.1.2 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)] • [√f(GHz)] ≤ 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 calculation[17]
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

2.1.3 EUT RF Exposure

Measurement Data
BLE

GFSK				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-5.30	-5.30±1	-4.30	0.372
Middle(2440MHz)	-6.10	-6.10±1	-5.10	0.310
Highest(2480MHz)	-6.35	-6.35±1	-5.35	0.292

Worst case: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold	SAR Test Exclusion
		(dBm)	(mW)			
Highest(2402MHz)	-5.30	-4.30	0.372	0.115	3.0	Yes

EDR

GFSK				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-5.105	-5.105±1	4.105	0.389
Middle(2441MHz)	-6.124	-6.124±1	-5.124	0.307
Highest(2480MHz)	-6.019	-6.019±1	-5.019	0.315

π /4DQPSK				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-5.885	-5.885±1	-4.885	0.325
Middle(2441MHz)	-7.029	-7.029±1	-6.029	0.250
Highest(2480MHz)	-7.052	-7.052±1	-6.052	0.248

8DPSK				
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-5.890	-5.890±1	-4.890	0.324
Middle(2441MHz)	-7.012	-7.012±1	-6.012	0.251
Highest(2480MHz)	-7.035	-7.035±1	-6.035	0.249

Worst case: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold	SAR Test Exclusion
		(dBm)	(mW)			
Highest(2402MHz)	-5.105	-4.105	0.389	0.121	3.0	Yes

.....THE END OF REPORT.....