



**RF EXPOSURE EVALUATION DOCUMENT**

**FOR  
WPT (Wireless Power Transfer)**

**MODEL NUMBER: SM-N976B**

**FCC ID: A3LSMN976B**

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*Prepared for*  
**SAMSUNG ELECTRONICS CO., LTD.  
129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,  
GYEONGGI-DO, 16677, KOREA**

*Prepared by*  
**UL Korea, Ltd.**

**26th floor, 152, Teheran-ro, Gangnam-gu Seoul, 06236, Korea**

**Suwon Test Site: UL Korea, Ltd. Suwon Laboratory  
218 Maeyeong-ro, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, 16675, Korea**

**TEL: (031) 337-9902**

**FAX: (031) 213-5433**

## 1. TEST Procedure

Per FCC Guidance, WPT function was evaluated for portable exposure condition.

## 2. Facilities and Accreditation

The test sites and measurement facilities used to collect data are located at

Suwon
Shield Room

UL Korea, Ltd. is accredited by IAS, Laboratory Code TL-637.

The full scope of accreditation can be viewed at <http://www.iasonline.org/PDF/TL/TL-637.pdf>.

## 3. Information of EQUIPMENT UNDER TEST

Information	
Operating frequency (MHz)	0.594
Maximum output power (mW)	50
Charging type	Inductive wireless power transfer
Operating duty factor	0.23

## 4. Test Equipment

Test Equipment List					
Description	Manufacturer	Model	Serial Numver	Cal Date	Cal Due
Electric and Magnetic Field Probe	Narda	EHP-200A	170WX80301	12-14-2018	12-14-2019

## 5. Measurement results

### 5.1. H-field measurement results of EUT's 6 sides

Distance	H-field measurement (A/m)					
	Rear	Front	Edge.1	Edge.2	Edge.3	Edge.4
0cm	0.9668	0.3512	0.0921	0.5416	0.0334	0.0219

### 5.2. H-field measurement results for 0cm to 10cm at Rear side.

Distance (cm)	H-field meas (A/m)	H-field x (duty factor) (A/m)	FCC Limit (A/m)
0	0.9668	0.2224	1.63
1	0.4329	0.0996	
2	0.2502	0.0576	
3	0.1444	0.0332	
4	0.0821	0.0189	
5	0.0538	0.0124	
6	0.0387	0.0089	
7	0.0262	0.0060	
8	0.0164	0.0038	
9	0.0130	0.0030	
10	0.0085	0.0020	

### 5.3. Corrected H-field measurement

Operating duty factor is based on Averaging time of §1.1310 table 1.

- $0.9668 \text{ A/m} * 0.23 = 0.2224 \text{ A/m}$