

FCC ID:	A3LSMT865
Date:	07/15/2019
Test Procedure:	KDB 680106 D01 v03

Frequency [MHz]	Probe Orientation (X, Y, Z)	Distance (cm)	Operational Correction Factor	Corrected H-field (A/m)						Limit [A/m]
				EUT Sides						
				A	B	C	D	E	F	
0.531	Y	15.0	0.333	0.0010	0.0007	0.0006	0.0007	0.0008	0.0013	1.63
0.531	Y	5.0	0.333	0.0051	0.0025	0.0010	0.0012	0.0046	0.0163	1.63
0.531	Y	4.0	0.333						0.0184	1.63
0.531	Y	3.0	0.333						0.0382	1.63
0.531	Y	2.0	0.333						0.0584	1.63
0.531	Y	1.0	0.333						0.1268	1.63
0.531	Y	0.6	0.333						0.2111	1.63

Table 1. H-field Measurement by distance

Frequency [MHz]	Probe Orientation (X, Y, Z)	Distance (cm)	Operational Correction Factor	Corrected H-field (A/m)	Limit [A/m]
				EUT Sides	
				F	
0.531	Y	5.0	0.333	0.0163	1.63
0.531	X	5.0	0.333	0.0126	1.63
0.531	Z	5.0	0.333	0.0150	1.63

Table 2. H-field Isotropy Measurement

A	B	C	D	E	F
RIGHT EDGE	BOT EDGE	LEFT EDGE	TOP EDGE	FRONT (Screen)	BACK

Table 3. EUT Position Description

Note:

The right and left edge are determined with the EUT screen facing the user.

Corrected H-Field measurement

- $0.6332 \text{ A/m} * 0.333 = 0.2111 \text{ A/m}$

Operational Correction Factor

The EUT charges for 10 minutes at maximum illumination to full charge. It recharges at maximum illumination when 10% or more of the battery level drop is detected. Therefore the operational correction factor is:

Correction Factor (applied over 30 minutes) = $10/30 = 0.333$.

Description of Test Setup

- Testing was performed with a calibrated field probe.
- The probe is at the nearest distance of 0.6 cm due the S-Pen charging position.
- Measurement was performed on each side of the EUT as described per Table 3.
- Measurement procedure was performed per FCC Guidance.

Test Equipment

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Narda	EHP-200AC	Electric & Magnetic Field Probe	8/31/2018	Annual	8/31/2019	170WX60209

Conclusion: The theoretical H-field value based on approximations of the dimensions to a simple solenoid via Biot-Savart Law show good correlation for H-field and shows low H-field. Therefore per FCC discussion, SAR testing is excluded for this transmitter