FCC ID:	A3LSMS908U
Date:	12/07/2021
Test Procedure:	KDB 680106 D01 v03r01

E Measurements (V/m)	10% Battery	50% Battery	70% Battery	Limit (V/m)
	Distance from probe (cm)	Distance from probe (cm)	Distance from probe (cm)	
	15	15	15	
A (Bottom)	0.196	0.130	0.162	614.00
B (Right)	0.245	0.111	0.227	614.00
C (Top)	0.175	0.118	0.163	614.00
D (Left)	0.218	0.100	0.163	614.00
E (Front)	0.490	0.226	0.438	614.00
F (Back)	0.575	0.229	0.532	614.00

Table 1. E-field Measurement by battery level (Device to Device)

H Measurements (A/m)	10% Battery	50% Battery	70% Battery	Limit (A/m)
	Distance from probe (cm)	Distance from probe (cm)	Distance from probe (cm)	
	15	15	15	
A (Bottom)	0.009	0.009	0.011	1.63
B (Right)	0.027	0.028	0.029	1.63
C (Top)	0.008	0.009	0.010	1.63
D (Left)	0.027	0.026	0.032	1.63
E (Front)	0.019	0.021	0.022	1.63
F (Back)	0.022	0.024	0.028	1.63

Table 2. H-field Measurement by battery level (Device to Device)

E Measurements (V/m)	Distance from probe (cm)	Limit (V/m)
	15	
A (Bottom)	0.206	614.00
B (Right)	0.264	614.00
C (Top)	0.218	614.00
D (Left)	0.309	614.00
E (Front)	0.485	614.00
F (Back)	1.354	614.00

Table 3. E-field Measurement (Device to Watch)

H Measurements (A/m)	Distance from probe (cm)	Limit (A/m)
	15	
A (Bottom)	0.011	1.63
B (Right)	0.013	1.63
C (Top)	0.010	1.63
D (Left)	0.011	1.63
E (Front)	0.010	1.63
F (Back)	0.023	1.63

Table 4. H-field Measurement (Device to Watch)

E Measurements (V/m)	Distance from probe (cm)	Limit (V/m)
	15	
A (Bottom)	0.292	614.00
B (Right)	0.376	614.00
C (Top)	0.338	614.00
D (Left)	0.454	614.00
E (Front)	0.859	614.00
F (Back)	2.506	614.00

Table 5. E-field Measurement (Device to Earbuds)

H Measurements (A/m)	Distance from probe (cm)	Limit (A/m)
	15	
A (Bottom)	0.010	1.63
B (Right)	0.017	1.63
C (Top)	0.009	1.63
D (Left)	0.017	1.63
E (Front)	0.014	1.63
F (Back)	0.052	1.63

Table 6. H-field Measurement (Device to Earbuds)

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	
0.563	Z	15	0.333	0.00470	0.00473	0.00490	0.00470	0.00490	0.00506	1.63
0.563	Z	5	0.333	0.00549	0.00490	0.00616	0.01259	0.00539	0.01555	1.63
0.563	Z	4	0.333						0.02321	1.63
0.563	Z	3	0.333						0.03487	1.63
0.563	Z	2	0.333						0.05618	1.63
0.563	Z	1	0.333						0.10313	1.63
0.563	Z	0	0.333						0.22517	1.63

Table 7. H-field Measurement (S-pen charging)

Frequency (MHz)	Probe Orientation (X, Y, Z)	Distance (cm)	Operational Correction Factor	Corrected H-field (A/m)	Limit (A/m)
				EUT Sides	
				F	
0.563	X	5	0.333	0.01612	1.63
0.563	Y	5	0.333	0.01542	1.63
0.563	Z	5	0.333	0.01735	1.63

Table 8. H-field Isotropy Measurement (S-pen charging)

A	B	C	D	E	F
BOTTOM EDGE	RIGHT EDGE	TOP EDGE	LEFT EDGE	FRONT (SCREEN)	Back

Table 9. EUT Position Description

Note:

1. The right and left edge are determined with the EUT screen facing the user
2. H-Field Measurements were found to be noise floor in most tests
3. E-Field Measurements were found to be noise floor in S-pen tests

Description of Test Setup

- Testing was performed with a calibrated field probe.
- Measurement was performed on each side of the EUT as described per Table 9.
- Testing was performed at the distances and different battery level as indicated on Tables 1 through 8.
- 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	9/15/2020	Biennial	9/15/2022	170WX70211

Table 10. Test Equipment