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EVALUATION REPORT

Applicant Name:
Samsung Electronics Co., Ltd.
129, Samsung-ro, Maetan dong,
Yeongtong-gu, Suwon-si
Gyeonggi-do, 16677, Korea

Date of Evaluation:
02/09/2017
Test Site/Location:
PCTEST Lab, Columbia, MD, USA

FCC ID: **A3LSMA520W**

APPLICANT: **SAMSUNG ELECTRONICS CO. , LTD.**

Test Data Re-Use Summary

Introduction

FCC ID:	A3LSMA520W
Equipment Class(es) for Re-Use:	DTS, NII, DSS, DXX
Rule Part(s) for Re-Use:	2, 15
Frequency Bands for Re-Use:	2.4 GHz WLAN, 5 GHz WLAN, Bluetooth, ANT+, NFC
Attestation:	The applicant takes full responsibility that the test data referenced below represents compliance for this FCC ID

Differences

Brief Description:	The Bluetooth, WLAN, and ANT+ hardware and software of this device are identical to the implementation in A3LSMA520F. The operational description includes detailed information about the changes between the devices. The data from that application has been verified through appropriate spot checks to demonstrate compliance for this device as shown in the summary table below.

Spot Check Verification Result Summary (See following pages for data)

Category	Frequency Band	Test Condition	Verdict
SAR	2.4 GHz WLAN	Head	Share
		Body-Worn	Retest
		Hotspot	Retest
	5 GHz WLAN	Head	Share
		Body-Worn	Retest
		Hotspot	Retest
EMC	2.4 GHz WLAN	Band Edge	Share
		Spurious Emissions	Share
	5 GHz WLAN	Band Edge	Share
		Spurious Emissions	Share
	Bluetooth	Band Edge	Share
		Spurious Emissions	Share
	ANT+	Band Edge	Share
		Spurious Emissions	Share
	NFC	Spurious Emissions	Share

Reference Detail Section

Equipment Class	Reference FCC ID	Report Title	Shared Data
DTS	A3LSMA520F	WLAN DTS Report	All Sections
	A3LSMA520F	Bluetooth LE Report	All Sections
	A3LSMA520F	SAR Report	All 2.4 GHz WLAN Head SAR Data
NII	A3LSMA520F	UNII Report	All Sections
	A3LSMA520F	DFS Report	All Sections
	A3LSMA520F	SAR Report	All 5 GHz WLAN Head SAR Data
DSS	A3LSMA520F	Bluetooth Report	All Sections
DXX	A3LSMA520F	ANT+ Test Report	All Sections
	A3LSMA520F	NFC Test Report	All Sections

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SPOT CHECK VERIFICATION DATA

SAR Verification Data Section

Band/Mode	Exposure Condition	A3LSMA520F Measured SAR (W/kg)	A3LSMA520W Measured SAR (W/kg)	Verdict
2.4 GHz WLAN	Head	0.787	0.623	Share
	Body-worn	0.109	0.150	Retest
	Hotspot	0.315	0.384	Retest
5 GHz WLAN	Head	0.738	0.580	Share
	Body-worn	0.164	0.228	Retest
	Hotspot	0.463	0.558	Retest

EMC Verification Data Section

Band/Mode	Test Case	Frequency (MHz)	A3LSMA520F (dBµV/m)	A3LSMA520W (dBµV/m)	Verdict
2.4 GHz WLAN	Band Edge	2483.5	51.84	47.48	Share
2.4 GHz WLAN	RSE	4824.0	52.37	51.71	Share
5 GHz WLAN	Band Edge	5150.0	51.73	50.69	Share
5 GHz WLAN	RSE	17355.0	64.28	64.36	Share
Bluetooth	Band Edge	2483.5	38.05	31.7	Share
Bluetooth	RSE	4960.0	50.04	50.03	Share
ANT+	Band Edge	2483.5	-1.07	-0.83	Share
ANT+	RSE	12010.0	61.63	63.61	Share
NFC	RSE	27.12	29.98	27.93	Share

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