



EVALUATION REPORT

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

Date of Evaluation:
 02/13/2017
Test Site/Location:
 PCTEST Lab, Columbia, MD, USA

FCC ID: **A3LSMG9500**

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

Test Data Re-Use Summary

Introduction

FCC ID: A3LSMG9500
 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 A3LSMG950U. 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, Ant 1	Head	Share
		Body-Worn	Share
		Hotspot	Share
	2.4 GHz WLAN, Ant 2	Head	Share
		Body-Worn	Share
		Hotspot	Share
	5 GHz WLAN, Ant 1	Head	Share
		Body-Worn	Share
		Hotspot	Share
	5 GHz WLAN, Ant 2	Head	Share
		Body-Worn	Share
		Hotspot	Share
Bluetooth	Head	Share	
	Body-Worn	Share	
	Hotspot	Share	
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	Band Edge	Share
		Spurious Emissions	Share

Reference Detail Section

Equipment Class	Reference FCC ID	Report Title	Shared Data
DTS	A3LSMG950U	WLAN DTS Report	All Sections
	A3LSMG950U	Bluetooth LE Report	All Sections
	A3LSMG950U	SAR Report	All 2.4 GHz WLAN SAR Data
NII	A3LSMG950U	UNII Report	All Sections
	A3LSMG950U	DFS Report	All Sections
	A3LSMG950U	SAR Report	All 5 GHz WLAN SAR Data
DSS	A3LSMG950U	Bluetooth Report	All Sections
	A3LSMG950U	SAR Report	All Bluetooth SAR Data
DXX	A3LSMG950U	ANT+ Test Report	All Sections
	A3LSMG950U	NFC Test Report	All Sections

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SPOT CHECK VERIFICATION DATA

SAR Verification Data Section

Band/Mode	Exposure Condition	A3LSMG950U Measured SAR (W/kg)	A3LSMG9500 Measured SAR (W/kg)	Verdict
2.4 GHz WLAN Antenna 1	Head	0.407	0.344	Share
	Body-w orn	0.107	0.069	Share
	Hotspot	0.272	0.141	Share
2.4 GHz WLAN Antenna 2	Head	0.697	0.227	Share
	Body-w orn	0.088	0.036	Share
	Hotspot	0.231	0.075	Share
5 GHz WLAN Antenna 1	Head	0.083	0.065	Share
	Body-w orn	0.179	0.117	Share
	Hotspot	0.376	0.251	Share
5 GHz WLAN Antenna 2	Head	0.367	0.202	Share
	Body-w orn	0.211	0.069	Share
	Hotspot	0.250	0.133	Share
Bluetooth	Head	0.064	0.036	Share
	Body-w orn	0.034	0.012	Share
	Hotspot	0.009	0.002	Share

EMC Verification Data Section

Band/Mode	Test Case	Frequency (MHz)	A3LSMG950U (dB μ V/m)	A3LSMG9500 (dB μ V/m)	Verdict
2.4 GHz WLAN	Band Edge	2462.0	49.88	51.26	Share
2.4 GHz WLAN	RSE	4924.0	42.55	40.18	Share
5 GHz WLAN	Band Edge	5180.0	51.91	47.05	Share
5 GHz WLAN	RSE	11650.0	43.31	45.74	Share
Bluetooth	Band Edge	2480.0	33.59	35.52	Share
Bluetooth	RSE	4960.0	15.08	20.02	Share
ANT+	Band Edge	2480.0	1.2	2.91	Share
ANT+	RSE	4882.0	33.63	29.65	Share
NFC	RSE	108.48	30.63	33.29	Share
NFC	RP	13.6	2.09	-0.64	Share

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