



EVALUATION REPORT

Applicant Name:

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

Date of Evaluation:

02/13/2017

Test Site/Location:

PCTEST Lab, Columbia, MD, USA

FCC ID:

A3LSMG9550

APPLICANT:

SAMSUNG ELECTRONICS CO. , LTD.

Test Data Re-Use Summary

Introduction

FCC ID: A3LSMG9550
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 A3LSMG955U. 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	Retest
		Body-Worn	Share
		Hotspot	Share
	5 GHz WLAN, Ant 2	Phablet	Share
		Head	Share
		Body-Worn	Share
EMC	2.4 GHz WLAN	Hotspot	Share
		Phablet	Share
		Head	Share
	5 GHz WLAN	Body-Worn	Share
		Hotspot	Share
		Phablet	Share
	Bluetooth	Head	Share
		Body-Worn	Share
		Hotspot	Share
	ANT+	Phablet	Share
		Band Edge	Share
		Spurious Emissions	Share
	NFC	Band Edge	Share
		Spurious Emissions	Share
		Spurious Emissions	Share

Reference Detail Section

Equipment Class	Reference FCC ID	Report Title	Shared Data
DTS	A3LSMG955U	WLAN DTS Report	All Sections
	A3LSMG955U	Bluetooth LE Report	All Sections
	A3LSMG955U	SAR Report	All 2.4 GHz WLAN SAR Data
NII	A3LSMG955U	UNII Report	All Sections
	A3LSMG955U	DFS Report	All Sections
	A3LSMG955U	SAR Report	All 5 GHz WLAN SAR Data, except Ant 1 Head SAR
DSS	A3LSMG955U	Bluetooth Report	All Sections
	A3LSMG955U	SAR Report	All Bluetooth SAR Data
	A3LSMG955U	ANT+ Test Report	All Sections
DXX	A3LSMG955U	NFC Test Report	All Sections
	A3LSMG955U	NFC Test Report	All Sections

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SPOT CHECK VERIFICATION DATA

SAR Verification Data Section

Band/Mode	Exposure Condition	A3LSMG955U Measured SAR (W/kg)	A3LSMG9550 Measured SAR (W/kg)	Verdict
2.4 GHz WLAN Antenna 1	Head	0.458	0.337	Share
	Body-w orn	0.163	0.128	Share
	Hotspot	0.306	0.172	Share
2.4 GHz WLAN Antenna 2	Head	0.379	0.344	Share
	Body-w orn	0.100	0.091	Share
	Hotspot	0.256	0.172	Share
5 GHz WLAN Antenna 1	Head	0.298	0.436	Retest
	Body-w orn	0.218	0.222	Share
	Hotspot	0.166	0.173	Share
	Phablet	0.851	0.882	Share
5 GHz WLAN Antenna 2	Head	0.273	0.223	Share
	Body-w orn	0.228	0.203	Share
	Hotspot	0.137	0.090	Share
	Phablet	0.737	0.796	Share
Bluetooth	Head	0.079	0.032	Share
	Body-w orn	0.027	0.024	Share
	Hotspot	0.030	0.001	Share
	Phablet	0.482	0.385	Share

EMC Verification Data Section

Band/Mode	Test Case	Frequency (MHz)	A3LSMG955U (dBμV/m)	A3LSMG9550 (dBμV/m)	Verdict
2.4 GHz WLAN	Band Edge	2462.0	51.97	51.44	Share
2.4 GHz WLAN	RSE	4874.0	43.47	39.69	Share
5 GHz WLAN	Band Edge	5210.0	51.68	50.83	Share
5 GHz WLAN	RSE	10560.0	50.98	50.89	Share
Bluetooth	Band Edge	2480.0	36.40	34.24	Share
Bluetooth	RSE	4882.0	54.55	52.74	Share
ANT+	Band Edge	2480.0	66.51	56.98	Share
ANT+	RSE	4960.0	56.02	50.42	Share
NFC	RSE	67.8	36.55	38.85	Share

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