



EVALUATION REPORT

Applicant Name:

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

Date of Evaluation:

04/10/2017

Test Site/Location:

PCTEST Lab, Columbia, MD, USA

FCC ID:

A3LSC03J

APPLICANT:

SAMSUNG ELECTRONICS CO. , LTD.

Test Data Re-Use Summary

Introduction

FCC ID: A3LSC03J
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
	2.4 GHz WLAN MIMO	Head	Retest
		Body-Worn	Share
		Hotspot	Share
	5 GHz WLAN, Ant 1	Head	Retest
		Body-Worn	Retest
		Hotspot	Retest
	5 GHz WLAN, Ant 2	Phablet	Retest
		Head	Share
		Body-Worn	Retest
	5 GHz WLAN MIMO	Hotspot	Retest
		Body-Worn	Retest
		Hotspot	Retest
EMC	2.4 GHz WLAN	Head	Share
		Body-Worn	Share
		Hotspot	Share
	5 GHz WLAN	Phablet	Share
		Head	Share
		Body-Worn	Share
	Bluetooth	Hotspot	Share
		Body-Worn	Share
		Head	Share
	ANT+	Phablet	Share
		Head	Share
		Body-Worn	Share
	NFC	Hotspot	Share
		Body-Worn	Share
		Head	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 except as noted above
NII	A3LSMG955U	UNII Report	All Sections
	A3LSMG955U	DFS Report	All Sections
	A3LSMG955U	SAR Report	All 5GHz WLAN SAR Data except as noted above
DSS	A3LSMG955U	Bluetooth Report	All Sections
	A3LSMG955U	SAR Report	All Bluetooth SAR Data
DXX	A3LSMG955U	ANT+ Test Report	All Sections
	A3LSMG955U	NFC Test Report	All Sections

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SPOT CHECK VERIFICATION DATA

SAR Verification Data Section

Band/Mode	Test Condition	A3LSMG955U Reported SAR (W/kg)	A3LSC03J Reported SAR (W/kg)	Verdict
2.4GHz WLAN Ant 1	Head	0.460	0.229	Share
	Body-Worn	0.199	0.104	Share
	Hotspot	0.373	0.206	Share
2.4GHz WLAN, Ant 2	Head	0.420	0.407	Share
	Body-Worn	0.142	0.095	Share
	Hotspot	0.364	0.282	Share
2.4GHz WLAN MIMO	Head	0.332	0.482	Retest
	Body-Worn	0.052	0.038	Share
	Hotspot	0.114	0.116	Share
5GHz WLAN Ant 1	Head	0.334	0.544	Retest
	Body-Worn	0.237	0.403	Retest
	Hotspot	0.193	0.385	Retest
	Phablet	0.925	1.500	Retest
5GHz WLAN Ant 2	Head	0.313	0.163	Share
	Body-Worn	0.286	0.283	Retest
	Hotspot	0.164	0.256	Retest
	Phablet	0.865	1.048	Retest
5GHz WLAN MIMO	Head	N/A	N/A	N/A
	Body-Worn	0.137	0.412	Retest
	Hotspot	0.068	0.400	Retest
	Phablet	1.126	N/A	N/A
Bluetooth	Head	0.103	0.029	Share
	Body-Worn	0.038	0.045	Share
	Hotspot	0.039	0.008	Share
	Phablet	0.679	0.548	Share

EMC Verification Data Section

Band/Mode	Test Case	Frequency (MHz)	A3LSMG955U (dBμV/m)	A3LSC03J (dBμV/m)	Verdict
2.4 GHz WLAN	Band Edge	2462.0	51.87	45.26	Share
2.4 GHz WLAN	RSE	4874.0	50.98	50.69	Share
5 GHz WLAN	Band Edge	5210.0	51.97	50.03	Share
5 GHz WLAN	RSE	10560.0	50.93	50.43	Share
Bluetooth	Band Edge	2480.0	36.40	36.38	Share
Bluetooth	RSE	4882.0	50.94	49.97	Share
ANT+	Band Edge	2480.0	16.33	4.81	Share
ANT+	RSE	4960.0	65.43	65.38	Share
NFC	RSE	67.8	24.47	21.51	Share

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