



EVALUATION REPORT

Applicant Name:

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

Date of Evaluation:

02/02/2017

Test Site/Location:

PCTEST Lab, Columbia, MD, USA

FCC ID:

A3LSMT820

APPLICANT:

SAMSUNG ELECTRONICS CO. , LTD.

Test Data Re-Use Summary

Introduction

FCC ID: A3LSMT820

Equipment Class(es): DTS, NII, DSS, DXX

Rule Part(s): 2, 15

Frequency Bands: 2.4 GHz WLAN, 5 GHz WLAN, Bluetooth, ANT+

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 A3LSMT825. 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	Body SAR	Share
	5 GHz WLAN	Body SAR	Share
	Bluetooth	Body SAR	Re-Test
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

Reference Detail Section

Equipment Class	Reference FCC ID	Report Title	Shared Data
DTS	A3LSMT825	WLAN DTS Report	All Sections
	A3LSMT825	Bluetooth LE Report	All Sections
	A3LSMT825	SAR Report	All 2.4 GHz WLAN Data
NII	A3LSMT825	UNII Report	All Sections
	A3LSMT825	DFS Report	All Sections
	A3LSMT825	SAR Report	All 5 GHz WLAN Data
DSS	A3LSMT825	Bluetooth Report	All Sections
DXX	A3LSMT825	ANT+ Test Report	All Sections

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SPOT CHECK VERIFICATION DATA

SAR Verification Data Section

Band/Mode	Exposure Condition	A3LSMT825 SAR (W/kg)	A3LSMT820 SAR (W/kg)	Verdict
2.4 GHz WLAN	Body	0.96	0.764	Share
5 GHz WLAN	Body	1.088	0.784	Share
Bluetooth	Body	0.106	0.194	Re-Test

EMC Verification Data Section

Band/Mode	Test Case	Frequency (MHz)	A3LSMT825 (dBμV/m)	A3LSMT820 (dBμV/m)	Verdict
2.4 GHz WLAN	Band Edge	2483.5	51.82	51.49	Share
2.4 GHz WLAN	RSE	4874.0	50.04	44.37	Share
5 GHz WLAN	Band Edge	5150.0	51.36	50.7	Share
5 GHz WLAN	RSE	17355.0	64.81	64.63	Share
Bluetooth	Band Edge	2483.5	53.73	55.17	Share
Bluetooth	RSE	12205.0	63.58	64.14	Share
ANT+	Band Edge	2483.5	51.97	51.6	Share
ANT+	RSE	12010.0	63.57	64.29	Share

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