



EVALUATION REPORT

Applicant Name:

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

Date of Evaluation:

A3LSMJ530GM

Test Site/Location:

PCTEST Lab, Columbia, MD, USA

FCC ID:

A3LSMJ530GM

APPLICANT:

SAMSUNG ELECTRONICS CO. , LTD.

Test Data Re-Use Summary

Introduction

FCC ID: A3LSMJ530GM
Equipment Class(es): DTS, NII, DSS, DXX
Rule Part(s): 2, 15
Frequency Bands: See table below
Attestation: The applicant takes full responsibility that the test data referenced below represents compliance for this FCC ID

Differences

Brief Description: The Bluetooth, WLAN, RFID and ANT+ hardware and software of this device are identical to the implementation in A3LSMJ530FM. 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
	2.4 GHz WLAN	Band Edge	Share
		Spurious Emissions	Share
		Conducted Power	Share
	5 GHz WLAN	Band Edge	Share
		Spurious Emissions	Share
		Conducted Power	Share
	Bluetooth	Band Edge	Share
		Spurious Emissions	Share
		Conducted Power	Share
	ANT+	In Band Power	Share
		RSE	Share
	RFID	In Band Power	Share
		RSE	Share

Category	Mode	Test Condition	Verdict
HAC	2.4GHz WIFI	RFE	Share
	5GHz WIFI	RFE	Share

Reference Detail Section

Equipment Class	Reference FCC ID	Report Title	Shared Data
DTS	A3LSMJ530FM	WLAN DTS Report	All Sections
	A3LSMJ530FM	Bluetooth LE Report	All Sections
	A3LSMJ530FM	RFE Report	All 2.4 GHz WLAN Data
NII	A3LSMJ530FM	UNII Report	All Sections
	A3LSMJ530FM	DFS Report	All Sections
	A3LSMJ530FM	RFE Report	All 5 GHz WLAN Data
DSS	A3LSMJ530FM	Bluetooth Report	All Sections
DXX	A3LSMJ530FM	RFID Test Rept	All Sections
	A3LSMJ530FM	ANT+ Test Report	All Sections

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SPOT CHECK VERIFICATION DATA

EMC Verification Data Section

Band/Mode	Test Case	Frequency (MHz)	A3LSMJ530FM	Unit	A3LSMJ530GM	Unit	Verdict
2.4 GHz WLAN	Band Edge	2483.5	50.79	dBμV/m	51.82	dBμV/m	Share
2.4 GHz WLAN	RSE	4924.0	40.09	dBμV/m	41.58	dBμV/m	Share
5 GHz UNII	Band Edge	5459.5	51.96	dBμV/m	50.01	dBμV/m	Share
5 GHz UNII	RSE	10360.0	60.09	dBμV/m	62.20	dBμV/m	Share
Bluetooth	Band Edge	2483.5	29.14	dBμV/m	29.70	dBμV/m	Share
Bluetooth	RSE	4960.0	50.62	dBμV/m	51.59	dBμV/m	Share
ANT+	In Band Power	2402.0	96.08	dBμV/m	95.64	dBμV/m	Share
ANT+	RSE	12205.0	64.95	dBμV/m	64.09	dBμV/m	Share
RFID	In Band Power	13.772	-0.95	dBμV/m	-2.46	dBμV/m	Share
RFID	RSE	40.68	17.31	dBμV/m	19.43	dBμV/m	Share

HAC Verification Data Section

HAC RFE					
Band/Mode	A3LSMJ530FM		A3LSMJ530FM		Verdict
	Time Average Field (V/m)	MIF (dB)	Time Average Field (V/m)	MIF (dB)	
2.4GHz WLAN	N/A	-4.57	N/A	-4.66	Share
5GHz WLAN	N/A	-10.73	N/A	-10.73	Share

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