



EVALUATION REPORT

Applicant Name:

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

Date of Evaluation:

04/17/2017

Test Site/Location:

PCTEST Lab, Columbia, MD, USA

FCC ID:

A3LSMN935F

APPLICANT:

SAMSUNG ELECTRONICS CO. , LTD.

Test Data Re-Use Summary

Introduction

FCC ID: A3LSMN935F
Equipment Class(es): PCE, DTS, NII, DSS, DXX
Rule Part(s): 2, 15, 22, 24, 27, 90
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 2G3G, LTE, Bluetooth, WLAN, ANT+ and NFC hardware and software of this device are identical to the implementation in A3LSMN930F. 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
EMC	Pt. 22	ERP	Share
	Pt. 22	RSE	Share
	Pt. 24	ERP	Share
	Pt. 24	RSE	Share
	Pt. 27 (700MHz)	ERP	Share
	Pt. 27 (700MHz)	RSE	Share
	Pt. 27 (1700MHz)	ERP	Share
	Pt. 27 (1700MHz)	RSE	Share
	Pt. 27 (2600MHz)	EIRP	Share
	Pt. 27 (2600MHz)	RSE	Share
	Pt. 90 (800MHz)	ERP	Share
	Pt. 90 (800MHz)	RSE	Share
	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

Reference Detail Section

Equipment Class	Reference FCC ID	Report Title	Shared Data
PCE	A3LSMN930F	2G3G Report	All Sections
	A3LSMN930F	LTE Report	All Sections
	A3LSMN930F	Pt. 90 Report	All Sections
DTS	A3LSMN930F	WLAN DTS Report	All Sections
	A3LSMN930F	Bluetooth LE Report	All Sections
NII	A3LSMN930F	UNII Report	All Sections
	A3LSMN930F	DFS Report	All Sections
DSS	A3LSMN930F	Bluetooth Report	All Sections
DXX	A3LSMN930F	ANT+ Test Report	All Sections
	A3LSMN930F	RFID Test Report	All Sections

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SPOT CHECK VERIFICATION DATA

EMC Verification Data Section

Band/Mode	Test Case	Frequency (MHz)	A3LSMN930F	Unit	A3LSMN935F	Unit	Verdict
Pt. 22	ERP	836.6	22.45	dBm	21.38	dBm	Share
Pt. 22	RSE	1652.8	-42.73	dBm	-46.89	dBm	Share
Pt. 24	EIRP	1880	28.97	dBm	27.55	dBm	Share
Pt. 24	RSE	3700.4	-40.14	dBm	-44.08	dBm	Share
Pt. 27 (700MHz)	ERP	713.5	19.84	dBm	17.53	dBm	Share
Pt. 27 (700MHz)	RSE	2122.5	-42.00	dBm	-70.63	dBm	Share
Pt. 27 (1700MHz)	EIRP	1711.5	22.94	dBm	23.30	dBm	Share
Pt. 27 (1700MHz)	RSE	5260.5	-44.09	dBm	-55.25	dBm	Share
Pt. 27 (2600MHz)	EIRP	2593	20.90	dBm	21.37	dBm	Share
Pt. 27 (2600MHz)	RSE	5186	-36.63	dBm	-39.72	dBm	Share
Pt. 90 (800MHz)	Cond. Power	823.3	23.30	dBm	22.56	dBm	Share
Pt. 90 (800MHz)	RSE	1646.6	-32.92	dBm	-46.66	dBm	Share
2.4 GHz WLAN	Band Edge	2390.0	51.49	dBμV/m	47.05	dBμV/m	Share
2.4 GHz WLAN	RSE	4924.0	44.58	dBμV/m	40.84	dBμV/m	Share
5 GHz WLAN	Band Edge	5460.0	51.88	dBμV/m	49.95	dBμV/m	Share
5 GHz WLAN	RSE	17355.0	65.20	dBμV/m	65.11	dBμV/m	Share
Bluetooth	Band Edge	2483.5	36.81	dBμV/m	32.97	dBμV/m	Share
Bluetooth	RSE	12400.0	47.65	dBμV/m	47.23	dBμV/m	Share
ANT+	In Band Power	2402.0	98.66	dBμV/m	93.56	dBμV/m	Share
ANT+	RSE	12400.0	60.66	dBμV/m	56.22	dBμV/m	Share
RFID	In Band Power	13.56	12.04	dBμV/m	11.34	dBμV/m	Share
RFID	RSE	40.68	19.26	dBμV/m	11.79	dBμV/m	Share

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