



EVALUATION REPORT

Applicant Name:

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

Date of Evaluation:

4/19/2017

Test Site/Location:

PCTEST Lab, Columbia, MD, USA

FCC ID:

A3LSMN935KOR

APPLICANT:

SAMSUNG ELECTRONICS CO. , LTD.

Test Data Re-Use Summary

Introduction

FCC ID:

Equipment Class(es): PCE, PCB, 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, and ANT+ hardware and software of this device are identical to the implementation in A3LSMN930KOR. 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)	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
PCB	A3LSMN930KOR	2G3G Report	All Sections
	A3LSMN930KOR	LTE Report	All Sections
DTS	A3LSMN930KOR	WLAN DTS Report	All Sections
	A3LSMN930KOR	Bluetooth LE Report	All Sections
NII	A3LSMN930KOR	UNII Report	All Sections
	A3LSMN930KOR	DFS Report	All Sections
DSS	A3LSMN930KOR	Bluetooth Report	All Sections
DXX	A3LSMN930KOR	RFID Report	All Sections
	A3LSMN930KOR	ANT+ Test Report	All Sections

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SPOT CHECK VERIFICATION DATA

EMC Verification Data Section

Band/Mode	Test Case	Frequency (MHz)	A3LSMA435S	Unit	A3LSMA430KOR	Unit	Verdict
Pt. 22	ERP	846.6	19.14	dBm	17.68	dBm	Share
Pt. 22	RSE	1673	-54.94	dBm	-51.02	dBm	Share
Pt. 24	EIRP	1909.8	26.38	dBm	28.45	dBm	Share
Pt. 24	RSE	3825	-48.15	dBm	-45.90	dBm	Share
Pt. 27 (700MHz)	ERP	707.5	14.28	dBm	15.94	dBm	Share
Pt. 27 (700MHz)	RSE	1427	-51.13	dBm	-51.72	dBm	Share
Pt. 27 (1700MHz)	EIRP	1752.5	22.65	dBm	20.25	dBm	Share
Pt. 27 (1700MHz)	RSE	3425	-51.90	dBm	-51.72	dBm	Share
Pt. 27 (2600MHz)	EIRP	2593	24.86	dBm	24.43	dBm	Share
Pt. 27 (2600MHz)	RSE	5186	-46.89	dBm	-43.80	dBm	Share
Pt. 90 (800MHz)	RSE	1631	-52.84	dBm	-49.33	dBm	Share
2.4 GHz WLAN	Band Edge	2483.5	49.52	dBμV/m	48.88	dBμV/m	Share
2.4 GHz WLAN	RSE	4924.0	47.89	dBμV/m	48.09	dBμV/m	Share
5 GHz WLAN	Band Edge	5350.0	51.42	dBμV/m	51.88	dBμV/m	Share
5 GHz WLAN	RSE	-	Noise Floor	dBμV/m	Noise Floor	dBμV/m	Share
Bluetooth	Band Edge	2483.5	39.63	dBμV/m	37.46	dBμV/m	Share
Bluetooth	RSE	-	Noise Floor	dBμV/m	Noise Floor	dBμV/m	Share
ANT+	In Band Power	2480.0	17.77	dBμV/m	20.15	dBμV/m	Share
ANT+	RSE	-	Noise Floor	dBμV/m	Noise Floor	dBμV/m	Share
RFID	In Band Power	13.56	33.07	dBμV/m	31.69	dBμV/m	Share
RFID	RSE	40.68	23.3	dBμV/m	19.94	dBμV/m	Share

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