



EVALUATION REPORT

Applicant Name:

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

Date of Evaluation:

04/12/2017

Test Site/Location:

PCTEST Lab, Columbia, MD, USA

FCC ID:

A3LSMJ3119S

APPLICANT:

SAMSUNG ELECTRONICS CO. , LTD.

Test Data Re-Use Summary

Introduction

FCC ID: A3LSMJ3119S
Equipment Class(es): PCE, DTS, DSS, DXX
Rule Part(s): 2, 15, 22, 24, 27
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 NFC hardware and software of this device are identical to the implementation in A3LSMJ3110. 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	Band/Mode	Test Condition	Verdict
SAR	GSM1900	Head	Share
		Body-Worn	Share
		Hotspot	Share
	UMTS850	Head	Share
		Body-Worn	Share
		Hotspot	Share
	UMTS1900	Head	Share
		Body-Worn	Share
		Hotspot	Share
	LTE B41	Head	Share
		Body-Worn	Share
		Hotspot	Share
	2.4GHz WLAN	Head	Retest
		Body-Worn	Share
		Hotspot	Share

Category	Frequency Band	Test Condition	Verdict
EMC	Pt. 22	ERP	Share
		RSE	Share
	Pt. 24	EIRP	Share
		RSE	Share
	Pt. 27 (2600MHz)	EIRP	Share
		RSE	Share
	2.4 GHz WLAN	Band Edge	Share
		Spurious Emissions	Share
		Conducted Power	Share
	Bluetooth	Band Edge	Share
		Spurious Emissions	Share
		Conducted Power	Share
	RFID	In Band Power	Share
		RSE	Share

Reference Detail Section

Equipment Class	Reference FCC ID	Report Title	Shared Data
PCE	A3LSMJ3110	2G3G Report	All Sections
	A3LSMJ3110	LTE Report	All Sections
	A3LSMJ3110	SAR Report	All GSM/UMTS/LTE SAR Data
DTS	A3LSMJ3110	WLAN DTS Report	All Sections
	A3LSMJ3110	Bluetooth LE Report	All Sections
	A3LSMJ3110	SAR Report	All 2.4 GHz Body SAR Data
DSS	A3LSMJ3110	Bluetooth Report	All Sections
DXX	A3LSMJ3110	RFID Test Report	All Sections

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SPOT CHECK VERIFICATION DATA

SAR Verification Data Section

Band/Mode	Test Condition	A3LSMJ3110 Reported SAR (W/kg)	A3LSMJ3119S Reported SAR (W/kg)	Verdict
GSM1900	Head	0.382	0.389	Share
	Body-Worn	0.393	0.437	Share
	Hotspot	0.450	0.440	Share
UMTS850	Head	0.376	0.424	Share
	Body-Worn	0.736	0.710	Share
	Hotspot	0.736	0.710	Share
UMTS1900	Head	0.772	0.666	Share
	Body-Worn	0.740	0.791	Share
	Hotspot	0.870	0.814	Share
LTE B41	Head	0.420	0.247	Share
	Body-Worn	0.569	0.418	Share
	Hotspot	0.569	0.418	Share
2.4GHz WLAN	Head	0.431	0.642	Retest
	Body-Worn	0.257	0.326	Share
	Hotspot	0.258	0.320	Share

EMC Verification Data Section

Band/Mode	Test Case	Frequency (MHz)	A3LSMJ3110	Unit	A3LSMJ3119S	Unit	Verdict
Pt. 22	ERP	836.6 (WCDMA)	22.06	dBm	21.58	dBm	Share
Pt. 22	RSE	836.6 (WCDMA)	-50.20	dBm	-53.48	dBm	Share
Pt. 24	EIRP	1880 (GPRS)	30.95	dBm	30.99	dBm	Share
Pt. 24	RSE	1880 (GPRS)	-28.70	dBm	-29.42	dBm	Share
Pt. 27 (2600MHz)	EIRP	2652.5 (Band 41)	26.86	dBm	26.54	dBm	Share
Pt. 27 (2600MHz)	RSE	2557.5	-29.60	dBm	-33.30	dBm	Share
2.4 GHz WLAN	Band Edge	2390	51.11	dBμV/m	50.57	dBμV/m	Share
2.4 GHz WLAN	RSE	7311	50.37	dBμV/m	50.88	dBμV/m	Share
Bluetooth	Band Edge	2480.0	47.91	dBμV/m	36.00	dBμV/m	Share
Bluetooth	RSE	2402.0	57.70	dBμV/m	59.12	dBμV/m	Share
RFID	In Band Power	13.6	36.49	dBμV/m	35.08	dBμV/m	Share
RFID	RSE	40.7	20.01	dBμV/m	21.71	dBμV/m	Share

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