



EVALUATION REPORT

Applicant Name:

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

Date of Evaluation:

03/15/2017

Test Site/Location:

PCTEST Lab, Columbia, MD, USA

FCC ID:

A3LSMJ327R4

APPLICANT:

SAMSUNG ELECTRONICS CO. , LTD.

Test Data Re-Use Summary

Introduction

FCC ID: A3LSMJ327R4
Equipment Class(es) for Re-Use: PCE, DTS, NII, DSS
Rule Part(s) for Re-Use: 2,15, 22, 24, 27
Frequency Bands for Re-Use: 850/1700/1900MHz 2G3G/LTE, 2.4 GHz WLAN, 5 GHz WLAN, Bluetooth
Attestation: The applicant takes full responsibility that the test data referenced below represents compliance for this FCC ID

Differences

Brief Description: The Bluetooth and WLAN hardware and software of this device are identical to the implementation in A3LSMJ327P. 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	Head	Share
		Body-Worn	Share
		Hotspot	Share
	5 GHz WLAN	Head	Share
		Body-Worn	Share
		Hotspot	Share
EMC	700MHz LTE	ERP	Share
		RSE	Share
	850MHz 2G3G/LTE	ERP	Re-test
		RSE	Share
	1700MHz LTE	EIRP	Share
		RSE	Share
	1900MHz 2G3G/LTE	EIRP	Share
		RSE	Share
	2.4 GHz WLAN	Band Edge	Re-test
		Spurious Emissions	Re-test
	5 GHz WLAN	Band Edge	Share
		Spurious Emissions	Share
	Bluetooth	Band Edge	Share
		Spurious Emissions	Share
		Conducted Power	Share

Reference Detail Section

Equipment Class	Reference FCC ID	Report Title	Shared Data
PCE	A3LSMJ327P	2G3G Report	850MHz Conducted 1900MHz EIRP, conducted
	A3LSMJ327P	LTE Report	850MHz Conducted 1700MHz EIRP, conducted 1900MHz EIRP, conducted
DTS	A3LSMJ327P	WLAN DTS Report	Conducted data
	A3LSMJ327P	Bluetooth LE Report	All Sections
	A3LSMJ327P	SAR Report	All Sections
NII	A3LSMJ327P	UNII Report	All Sections
	A3LSMJ327P	DFS Report	All Sections
	A3LSMJ327P	SAR Report	All Sections
DSS	A3LSMJ327P	Bluetooth Report	All Sections

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SPOT CHECK VERIFICATION DATA

SAR Verification Data Section

Band/Mode	Exposure Condition	A3LSMJ327P Measured SAR (W/kg)	A3LSMJ327R4 Measured SAR (W/kg)	Verdict
2.4 GHz WLAN	Head	0.578	0.349	Share
	Body-w orn	0.134	0.058	Share
	Hotspot	0.286	0.129	Share
5 GHz WLAN	Head	0.573	0.411	Share
	Body-w orn	0.090	0.032	Share
	Hotspot	0.254	0.268	Share

EMC Verification Data Section

Band/Mode	Test Case	Frequency (MHz)	A3LSMJ327R4	Unit	A3LSMJ327P	Unit	Verdict
Pt. 22	RSE	2509.8	-31.45	dBm	-32.26	dBm	Share
Pt. 24	EIRP	1850.2	29.43	dBm	29.55	dBm	Share
Pt. 24	RSE	5550.6	-35.83	dBm	-35.72	dBm	Share
Pt. 27 (700MHz)	ERP	701.5	16.37	dBm	17.01	dBm	Share
Pt. 27 (700MHz)	RSE	2806	-53.30	dBm	-47.34	dBm	Share
Pt. 27 (1700MHz)	EIRP	1754.3	22.92	dBm	22.94	dBm	Share
Pt. 27 (1700MHz)	RSE	3465	-43.75	dBm	-50.36	dBm	Share
2.4 GHz WLAN	Band Edge	2412.0	51.47	dBμV/m	49.95	dBμV/m	Re-test
2.4 GHz WLAN	RSE	7386.0	51.30	dBμV/m	48.53	dBμV/m	Re-test
5 GHz WLAN	Band Edge	5190.0	49.72	dBμV/m	51.57	dBμV/m	Share
5 GHz WLAN	RSE	5745.0	n.f.	dBμV/m	50.76	dBμV/m	Share
Bluetooth	Band Edge	2480.0	33.63	dBμV/m	33.95	dBμV/m	Share
Bluetooth	RSE	4804.0	13.90	dBμV/m	19.94	dBμV/m	Share

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