



EVALUATION REPORT

Applicant Name:

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

Date of Evaluation:

3/22/2017

Test Site/Location:

PCTEST Lab, Columbia, MD, USA

FCC ID:

A3LSMJ727T

APPLICANT:

SAMSUNG ELECTRONICS CO. , LTD.

Test Data Re-Use Summary

Introduction
FCC ID: A3LSMJ727T
Equipment Class(es): PCE, DTS, DSS, NII, DXT
Rule Part(s): 2, 15, 22, 24, 27, 30.19
Frequency Bands: 2G/3G/4G, Bluetooth, and 2.4 GHz WLAN
Attestation: The applicant takes full responsibility that the test data referenced below represents compliance for this FCC ID

Differences
Brief Description: The 3G/3G, LTE, Bluetooth, and WLAN hardware and software of this device are identical to the implementation in A3LSMJ727A. 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	UMTS850	Head	Share
		Body-Worn	Share
		Hotspot	Share
	UMTS1750	Head	Share
		Body-Worn	Share
		Hotspot	Share
	UMTS1900	Head	Share
		Body-Worn	Share
		Hotspot	Share
	LTE B12	Head	Share
		Body-Worn	Share
		Hotspot	Share
	LTE B5	Head	Share
		Body-Worn	Share
		Hotspot	Share
	LTE B2	Head	Share
		Body-Worn	Share
		Hotspot	Share
EMC	2.4GHz WLAN	Head	Share
		Body-Worn	Share
		Hotspot	Share
	5GHz WLAN	Head	Share
		Body-Worn	Retest
		Hotspot	Retest
	Bluetooth	Head	Share
		Body-Worn	Share
		Hotspot	Share
	ANT+	Head	Share
		Body-Worn	Share
		Hotspot	Share

Category	Mode	Test Condition	Verdict
HAC	GSM850	RFE	Share
	GSM1900	RFE	Share
	UMTS850	RFE	Share
	UMTS1750	RFE	Share
	UMTS1900	RFE	Share
	LTE B2	RFE	Share
	LTE B5	RFE	Share
	LTE B12	RFE	Share
	2.4GHz WIFI	RFE	Share
	5GHz WIFI	RFE	Share

Reference Detail Section

Equipment Class	Reference FCC ID	Report Title	Shared Data
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PCE	A3LSMJ727A	2G/3G Report	All Sections
	A3LSMJ727A	LTE Report	All Sections
	A3LSMJ727A	SAR Report	All Sections except for GSM850/1900 SAR
	A3LSMJ727A	RFE Report	All Sections

DTS	A3LSMJ727A	WLAN DTS Report	All Sections
	A3LSMJ727A	Bluetooth LE Report	All Sections
	A3LSMJ727A	SAR Report	All Sections
	A3LSMJ727A	RFE Report	All Sections

UNII	A3LSMJ727A	UNII Report	All Sections
	A3LSMJ727A	DFS Report	All Sections
	A3LSMJ727A	SAR Report	All Sections except for 5 GHz Body
	A3LSMJ727A	RFE Report	All Sections

DSS	A3LSMJ727A	Bluetooth Report	All Sections
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SPOT CHECK VERIFICATION DATA

SAR Verification Data Section

Band/Mode	Test Condition	A3LSMJ727A Reported SAR (W/kg)	A3LSMJ727T Reported SAR (W/kg)	Verdict
UMTS850	Head	0.387	0.317	Share
	Body-Worn	0.491	0.465	Share
	Hotspot	0.528	0.523	Share
UMTS1750	Head	0.572	0.539	Share
	Body-Worn	0.564	0.580	Share
	Hotspot	0.689	0.679	Share
	Phablet	3.002	3.276	Share
UMTS1900	Head	0.623	0.682	Share
	Body-Worn	0.462	0.344	Share
	Hotspot	0.745	0.564	Share
	Phablet	2.854	3.040	Share
LTE B12	Head	0.382	0.379	Share
	Body-Worn	0.574	0.614	Share
	Hotspot	0.669	0.671	Share
LTE B5	Head	0.395	0.312	Share
	Body-Worn	0.510	0.483	Share
	Hotspot	0.527	0.529	Share
LTE B2	Head	0.601	0.647	Share
	Body-Worn	0.459	0.446	Share
	Hotspot	0.485	0.527	Share
	Phablet	2.967	2.353	Share
2.4GHz WLAN	Head	0.307	0.287	Share
	Body-Worn	0.199	0.178	Share
	Hotspot	0.401	0.336	Share
5GHz WLAN	Head	0.623	0.537	Share
	Body-Worn	0.121	0.215	Retest
	Hotspot	0.375	0.825	Retest
	Phablet	0.958	1.667	Retest

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EMC Verification Data Section

Band/Mode	Test Case	Frequency (MHz)	A3LSMJ727A	Unit	A3LSMJ727T	Unit	Verdict
Pt. 22	ERP	836.6	28.79	dBm	27.28	dBm	Share
Pt. 22	RSE	2509.8	-49.36	dBm	-52.81	dBm	Share
Pt. 24	ERP	1850.2	31.98	dBm	31.07	dBm	Share
Pt. 24	RSE	3700.4	-45.56	dBm	-44.44	dBm	Share
Pt. 27 (700MHz)	ERP	710	20.38	dBm	21.79	dBm	Share
Pt. 27 (700MHz)	RSE	1415	-53.68	dBm	-52.47	dBm	Share
Pt. 27 (1700MHz)	ERP	1712.4	27.67	dBm	26.71	dBm	Share
Pt. 27 (1700MHz)	RSE	3424.8	-42.56	dBm	-41.35	dBm	Share
2.4 GHz WLAN	Band Edge	2462.0	51.90	dBμV/m	50.18	dBμV/m	Share
2.4 GHz WLAN	RSE	4874.0	46.73	dBμV/m	40.52	dBμV/m	Share
5 GHz UNII	Band Edge	5190.0	51.31	dBμV/m	50.59	dBμV/m	Share
5 GHz UNII	RSE	11440.0	48.19	dBμV/m	49.14	dBμV/m	Share
Bluetooth	Band Edge	2480.0	56.67	dBμV/m	57.22	dBμV/m	Share
Bluetooth	RSE	7440.0	45.42	dBμV/m	46.42	dBμV/m	Share
ANT+	Band Edge	2480.0	55.77	dBμV/m	53.41	dBμV/m	Share
ANT+	RSE	4960.0	64.07	dBμV/m	63.86	dBμV/m	Share

HAC Verification Data Section

Band/Mode	A3LSMJ727A		A3LSMJ727T		Verdict
	Time Average Field (V/m)	MIF (dB)	Time Average Field (V/m)	MIF (dB)	
GSM1900	30.46	3.55	30.87	3.51	Share
UMTS1900	N/A	-14.01	N/A	-20.75	Share
LTE FDD Band 2	N/A	-9.70	N/A	-9.82	Share
2.4GHz WLAN	N/A	-4.67	N/A	-4.56	Share
5GHz WLAN	N/A	-10.67	N/A	-10.76	Share

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