



EVALUATION REPORT

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

Date of Evaluation:
 4/26/2017
Test Site/Location:
 PCTEST Lab, Columbia, MD, USA

FCC ID: A3LSMG165N

APPLICANT: SAMSUNG ELECTRONICS CO. , LTD.

Test Data Re-Use Summary

Introduction

FCC ID: A3LSMG165N
 Equipment Class(es): PCE, DTS, NII, DSS, DXX
 Rule Part(s): 2, 15, 22, 24
 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, Bluetooth, WLAN, and ANT+ hardware and software of this device are identical to the implementation in A3LSMG165N. 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
	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+	Band Edge	Share
		Spurious Emissions	Share

Reference Detail Section



Equipment Class	Reference FCC ID	Report Title	Shared Data
PCE	A3LSMG165N	2G3G Report	All Sections
DTS	A3LSMG165N	WLAN DTS Report	All Sections
	A3LSMG165N	Bluetooth LE Report	All Sections
NII	A3LSMG165N	UNII Report	All Sections
	A3LSMG165N	DFS Report	All Sections
DSS	A3LSMG165N	Bluetooth Report	All Sections
DXX	A3LSMG165N	ANT+ Test Report	All Sections

FCC ID A3LSMG165N		EVALUATION REPORT		Reviewed by: Quality Manager
Date of Evaluation: 4/26/2017	DUT Type: Portable Handset			Page 1 of 2

SPOT CHECK VERIFICATION DATA

EMC Verification Data Section

Band/Mode	Test Case	Mode	Frequency (MHz)	A3LSMG160N	Unit	A3LSMG165N	Unit	Verdict
Pt. 22	ERP	WCDMA850	826.4	17.62	dBm	16.88	dBm	Share
Pt. 22	RSE	WCDMA850	2539.8	-57.13	dBm	-55.17	dBm	Share
Pt. 24	EIRP	GSM1900	1909.8	28.64	dBm	30.30	dBm	Share
Pt. 24	RSE	GSM1900	7520	-39.93	dBm	-37.24	dBm	Share
Pt. 24	EIRP	WCDMA 1900	1907.6	20.81	dBm	19.98	dBm	Share
Pt. 24	RSE	WCDMA 1900	7630.4	-41.04	dBm	-43.82	dBm	Share
2.4 GHz WLAN	Band Edge	801.11g	2483.5	48.25	dBμV/m	49.20	dBμV/m	Share
2.4 GHz WLAN	RSE	802.11b	4874.0	39.26	dBμV/m	37.03	dBμV/m	Share
5 GHz WLAN	Band Edge	802.11a	5350.0	50.83	dBμV/m	51.59	dBμV/m	Share
5 GHz WLAN	RSE	802.11a	11440.0	41.09	dBμV/m	41.20	dBμV/m	Share
Bluetooth	Band Edge	1MBPS	2483.5	36.86	dBμV/m	29.19	dBμV/m	Share
Bluetooth	RSE	1MBPS	4960.0	14.61	dBμV/m	13.65	dBμV/m	Share
BTLE	Band Edge	1MBPS	2483.5	50.61	dBμV/m	46.98	dBμV/m	Share
BTLE	RSE	1MBPS	4804.0	37.18	dBμV/m	36.82	dBμV/m	Share

FCC ID A3LSMG165N		EVALUATION REPORT		Reviewed by: Quality Manager
Date of Evaluation: 4/26/2017	DUT Type: Portable Handset			Page 2 of 2