



## 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<br>1900MHz EIRP, conducted                            |
|                 | A3LSMJ327P       | LTE Report          | 850MHz Conducted<br>1700MHz EIRP, conducted<br>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       | SAR Report          | All Sections                                                           |
|                 | A3LSMJ327P       | Bluetooth Report    | All Sections                                                           |

|                                   |                                                                                     |                   |                                                                                       |                                 |
|-----------------------------------|-------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID A3LSMJ327R4                |  | EVALUATION REPORT |  | Reviewed by:<br>Quality Manager |
| Date of Evaluation:<br>03/15/2017 | DUT Type:<br>Portable Handset                                                       |                   |                                                                                       | Page 1 of 2                     |

## SPOT CHECK VERIFICATION DATA

### SAR Verification Data Section

| Band/Mode    | Exposure Condition | A3LSMJ327P<br>Measured SAR<br>(W/kg) | A3LSMJ327R4<br>Measured SAR<br>(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<br>(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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| Date of Evaluation:<br>03/15/2017 | DUT Type:<br>Portable Handset                                                       |                   |                                                                                       | Page 2 of 2                     |