



## EVALUATION REPORT

### Applicant Name:

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

### Date of Evaluation:

A3LSMJ530GM

### Test Site/Location:

PCTEST Lab, Columbia, MD, USA

### FCC ID:

A3LSMJ530GM

### APPLICANT:

SAMSUNG ELECTRONICS CO. , LTD.

### Test Data Re-Use Summary

#### Introduction

FCC ID: A3LSMJ530GM  
Equipment Class(es): DTS, NII, DSS, DXX  
Rule Part(s): 2, 15  
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 Bluetooth, WLAN, RFID and ANT+ hardware and software of this device are identical to the implementation in A3LSMJ530FM. 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 |
|----------|----------------|--------------------|---------|
|          | 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+           | In Band Power      | Share   |
|          |                | RSE                | Share   |
|          | RFID           | In Band Power      | Share   |
|          |                | RSE                | Share   |

| Category | Mode        | Test Condition | Verdict |
|----------|-------------|----------------|---------|
| HAC      | 2.4GHz WIFI | RFE            | Share   |
|          | 5GHz WIFI   | RFE            | Share   |

#### Reference Detail Section

| Equipment Class | Reference FCC ID | Report Title        | Shared Data           |
|-----------------|------------------|---------------------|-----------------------|
| DTS             | A3LSMJ530FM      | WLAN DTS Report     | All Sections          |
|                 | A3LSMJ530FM      | Bluetooth LE Report | All Sections          |
|                 | A3LSMJ530FM      | RFE Report          | All 2.4 GHz WLAN Data |
| NII             | A3LSMJ530FM      | UNII Report         | All Sections          |
|                 | A3LSMJ530FM      | DFS Report          | All Sections          |
|                 | A3LSMJ530FM      | RFE Report          | All 5 GHz WLAN Data   |
| DSS             | A3LSMJ530FM      | Bluetooth Report    | All Sections          |
| DXX             | A3LSMJ530FM      | RFID Test Reptot    | All Sections          |
|                 | A3LSMJ530FM      | ANT+ Test Report    | All Sections          |

|                                  |                                                                                     |                   |                                                                                       |                                 |
|----------------------------------|-------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID A3LSMJ530GM               |  | EVALUATION REPORT |  | Reviewed by:<br>Quality Manager |
| Date of Evaluation:<br>4/28/2017 | DUT Type:<br>Portable Handset                                                       |                   |                                                                                       | Page 1 of 2                     |

## SPOT CHECK VERIFICATION DATA

### EMC Verification Data Section

| Band/Mode    | Test Case     | Frequency (MHz) | A3LSMJ530FM | Unit   | A3LSMJ530GM | Unit   | Verdict |
|--------------|---------------|-----------------|-------------|--------|-------------|--------|---------|
| 2.4 GHz WLAN | Band Edge     | 2483.5          | 50.79       | dBμV/m | 51.82       | dBμV/m | Share   |
| 2.4 GHz WLAN | RSE           | 4924.0          | 40.09       | dBμV/m | 41.58       | dBμV/m | Share   |
| 5 GHz UNII   | Band Edge     | 5459.5          | 51.96       | dBμV/m | 50.01       | dBμV/m | Share   |
| 5 GHz UNII   | RSE           | 10360.0         | 60.09       | dBμV/m | 62.20       | dBμV/m | Share   |
| Bluetooth    | Band Edge     | 2483.5          | 29.14       | dBμV/m | 29.70       | dBμV/m | Share   |
| Bluetooth    | RSE           | 4960.0          | 50.62       | dBμV/m | 51.59       | dBμV/m | Share   |
| ANT+         | In Band Power | 2402.0          | 96.08       | dBμV/m | 95.64       | dBμV/m | Share   |
| ANT+         | RSE           | 12205.0         | 64.95       | dBμV/m | 64.09       | dBμV/m | Share   |
| RFID         | In Band Power | 13.772          | -0.95       | dBμV/m | -2.46       | dBμV/m | Share   |
| RFID         | RSE           | 40.68           | 17.31       | dBμV/m | 19.43       | dBμV/m | Share   |

### HAC Verification Data Section

| HAC RFE     |                          |          |                          |          |         |
|-------------|--------------------------|----------|--------------------------|----------|---------|
| Band/Mode   | A3LSMJ530FM              |          | A3LSMJ530FM              |          | Verdict |
|             | Time Average Field (V/m) | MIF (dB) | Time Average Field (V/m) | MIF (dB) |         |
| 2.4GHz WLAN | N/A                      | -4.57    | N/A                      | -4.66    | Share   |
| 5GHz WLAN   | N/A                      | -10.73   | N/A                      | -10.73   | Share   |

|                                  |                                                                                     |                   |                                                                                       |                                 |
|----------------------------------|-------------------------------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|---------------------------------|
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