## Galaxy Note20 Ultra 5G(N986U) Application List

| Application  | Package                                      | Version             |
|--|--|---------------------|
| com.qualcomm.qti.gpudrivers.kona.api30             | com.qualcomm.qti.gpudrivers.kona.api30       | 0.1.0               |
| com.qualcomm.timeservice                           | com.qualcomm.timeservice                     | 11                  |
| QTR  | com.qualcomm.qti.smq                         | 11                  |
| Samsung SM8250 VKLayer                             | com.samsung.vklayer.sm8250                   | 11.0.00.0           |
| com.samsung.android.wifi.softapwpathree.resource   |  | 1.0                 |
| com.google.android.networkstack.tethering.overla   |  | 11                  |
| com.samsung.android.wifi.softap.resources          | com.samsung.android.wifi.softap.resources    | 1.0                 |
| com.samsung.android.networkstack.tethering.overlay |  | 11                  |
| android.auto_generated_rro_vendor                  | android.auto_generated_rro_vendor            | 1.0                 |
| com.sec.bcservice                                  | com.sec.bcservice                            | 2.0                 |
| FactoryCamera                                      | com.sec.factory.camera                       | 3.4.39              |
| EmergencyProvider                                  | com.sec.android.provider.emergencymode       | 1.1.00.4            |
| NFC  | com.android.nfc                              | 11                  |
| DRParser Mode                                      | com.sec.android.app.parser                   | 12.0.00.4           |
| Tools  | com.sec.android.app.quicktool                | 8.2.35              |
| AR Doodle  | com.samsung.android.ardrawing                | 2.5.00.8            |
| Certificate Installer                              | com.android.certinstaller                    | 11                  |
| com.samsung.InputEventApp                          | com.samsung.InputEventApp                    | 1.0.0               |
| Perso  | com.sec.android.app.personalization          | 11                  |
| IMS Settings                                       | com.samsung.advp.imssettings                 | 1.0                 |
| Bookmark Provider                                  | com.android.bookmarkprovider                 | 11                  |
| DumpCollector                                      | com.samsung.carrier.logcollector             | 3.6.04              |
| TetheringAutomation                                | com.sec.automation                           | 2.0.1               |
| Dsms   | com.samsung.android.dsms                     | 2.0.03              |
| BBCAgent   | com.samsung.android.bbc.bbcagent             | 5.0.00.16           |
| Samsung capture                                    | com.samsung.android.app.smartcapture         | 4.4.30              |
| System updates                                     | com.samsung.sdm                              | 3.0                 |
| Clipboard edge                                     | com.samsung.android.app.clipboardedge        | 3.0.07              |
| MDMApp   | com.samsung.android.mdm                      | 1.0                 |
| Autofill with Samsung Pass                         | com.samsung.android.samsungpassautofill      | 2.5.01.16           |
| BluetoothTest                                      | com.sec.android.app.bluetoothtest            | 11                  |
| AR Zone  | com.samsung.android.arzone                   | 1.5.00.14           |
| Sound picker                                       | com.samsung.android.app.soundpicker          | 10.0.11.7           |
| ChromeCustomizations                               | com.sec.android.app.chromecustomizations     | 3.0.28              |
| USBSettings  | com.sec.usbsettings                          | 1.0                 |
| Honey Board  | com.samsung.android.honeyboard               | 5.2.00.78           |
| Samsung Kids Installer                             | com.samsung.android.kidsinstaller            | 10.3.00.2           |
| AASAservice  | com.samsung.aasaservice                      | 15                  |
| HandwritingService                                 | com.samsung.android.sdk.handwriting          | 2.4.01.0            |
| Mobile Device Information Provider                 | com.amazon.appmanager                        | 1.0.200309.0_140810 |
| Calendar   | com.samsung.android.calendar                 | 12.0.00.49000       |
| Dictionary   | com.diotek.sec.lookup.dictionary             | 3.002.013           |
| com.google.ar.core                                 | com.google.ar.core                           | 0                   |
| MDE Service Framework                              | com.samsung.android.mdx.kit                  | 1.1.46.1            |
| SetupWizardLegalProvider                           | com.sec.android.app.setupwizardlegalprovider | 2.0.07.0            |
| SecurityLogAgent SecurityLogAgent                  | com.samsung.android.securitylogagent         | 10.1.00.1           |
| Enterprise Sim Pin Service                         | com.sec.enterprise.mdm.services.simpin       | 11                  |
| Keyboard Content Center                            | com.samsung.android.icecone                  | 1.3.00.32           |

| ShortcutBNR                           | com.samsung.android.shortcutbackupservice      | 11                |
|---------------------------------------|--|-------------------|
| Automation Test                       | com.sec.android.app.DataCreate                 | 1.1               |
| Wi-Fi Tips                            | com.samsung.android.net.wifi.wifiguider        | 1.5.00.67         |
| Dual Messenger                        | com.samsung.android.da.daagent                 | 3.1.00.0          |
| SmartFittingService                   | com.samsung.android.smartfitting               | 1.4.14.0          |
| Weather                               | com.sec.android.daemonapp                      | 1.6.30.44         |
| com.qualcomm.embms                    | com.qualcomm.embms                             | 1.0               |
| com.google.android.captiveportallogin | com.google.android.captiveportallogin          |                   |
| com.google.android.captiveportallogin | com.google.android.captiveportallogin          |                   |
| CaptivePortalLogin                    | com.google.android.captiveportallogin          | r_aml_300900700   |
| com.google.android.captiveportallogin | com.google.android.captiveportallogin          | 1_a500500700      |
| com.google.android.captiveportallogin | com.google.android.captiveportallogin          |                   |
| FACM                                  | com.samsung.android.aircommandmanager          | 1.2.61            |
| Wi-Fi Calling                         | com.sec.unifiedwfc                             | 6.5.00.50         |
| Wearable Manager Installer            | com.samsung.android.app.watchmanagerstub       | 2.1.01.20006      |
| Link Sharing                          | com.samsung.android.app.simplesharing          | 12.0.00.18        |
| Smart Switch Agent                    | com.sec.android.easyMover.Agent                | 1.7.00.22         |
| Bluetooth                             | com.android.bluetooth                          | 11                |
| SIM Toolkit                           | com.android.stk                                | 11                |
| System Tracing                        | com.android.traceur                            | 1.0               |
| Secure UI Service                     | com.qualcomm.qti.services.secureui             | 2.7.2             |
| Amazon Shopping                       | com.amazon.mShop.android.shopping              | 16.20.0.100       |
| Smart View                            | com.samsung.android.smartmirroring             | 8.2.11.24         |
| SilentLogging                         | com.sec.modem.settings                         | 1.0.1             |
| Quick Share                           | com.samsung.android.aware.service              | 3.2.11.17         |
| Hiya Service                          | com.hiya.star                                  | 2.8.0-samsung-791 |
| Samsung ApexService                   | com.sec.android.app.apex                       | 3.3.12            |
| slocation                             | com.samsung.android.location                   | 1.5.01.104        |
| Bluetooth MIDI Service                | com.android.bluetoothmidiservice               | R-initial         |
| Filter Provider                       | com.samsung.android.provider.filterprovider    | 5.0.27            |
| com.samsung.android.container         | com.samsung.android.container                  | 11                |
| Video Editor                          | com.sec.android.app.vepreload                  | 3.5.54.5          |
| System updates UI                     | com.samsung.sdm.sdmviewer                      | 3.0               |
| Call & text on other devices          | com.samsung.android.mdecservice                | 3.0.00.39         |
| Print Spooler                         | com.android.printspooler                       | 11                |
| Basic Daydreams                       | com.android.dreams.basic                       | 11                |
| Samsung Internet                      | com.sec.android.app.sbrowser                   | 13.0.1.65         |
| SamsungOne                            | com.monotype.android.font.samsungone           | 1.1.02.0          |
| com.android.wallpaperbackup           | com.android.wallpaperbackup                    | 11                |
| SecVideoEngineService                 | com.sec.sve                                    | 1.0               |
| com.samsung.ucs.agent.ese             | com.samsung.ucs.agent.ese                      | 11                |
| Clock                                 | com.sec.android.app.clockpackage               | 12.0.00.53        |
| Assisted Dialing                      | com.sec.providers.assisteddialing              | 11                |
| Print Service Recommendation Service  | com.google.android.printservice.recommendation | 1.3.0             |
| Glance                                | com.samsung.android.service.pentastic          | 1.0.08            |
| Samsung text-to-speech engine         | com.samsung.SMT                                | 3.1.01.9          |
| Bixby Vision                          | com.samsung.android.visionintelligence         | 3.7.20.2          |
| Service provider location             | com.sec.location.nfwlocationprivacy            | 1.0.10            |
| SecureElementApplication              | com.android.se                                 | 11                |
| Samsung Notes                         | com.samsung.android.app.notes                  | 4.1.04.19         |
| Jambung Notes                         | com.samsung.anuroiu.app.notes                  | 4.1.04.13         |

| Cameralyzer                            | com.sec.factory.cameralyzer                                 | 3.4.20.11191  |
|--|---|---------------|
| Video Trimmer                          | com.samsung.app.newtrim                                     | 3.0.15.1      |
| Launcher                               | com.sec.android.emergencylauncher                           | 1.1.00.19     |
| SimMobilityKit                         | com.samsung.ims.smk   | 1.3.20        |
| StickerCenter                          | com.samsung.android.stickercenter                           | 2.0.00.19     |
| Companion Device Manager               | com.android.companiondevicemanager                          | 11            |
| Android R Easter Egg                   | com.android.egg   | 1.0           |
| com.android.providers.partnerbookmarks | com.android.providers.partnerbookmarks                      | 11            |
| HTML Viewer                            | com.android.htmlviewer                                      | 3.0.04        |
| Reminder                               | com.samsung.android.app.reminder                            | 12.0.01.46000 |
| Live Transcribe & Sound Notifications  | com.google.audio.hearing.visualization.accessibility.scribe | 4.0.336034712 |
| SCPM Client                            | com.samsung.android.sm.policy                               | 3.2.15        |
| Samsung Free                           | com.samsung.android.app.spage                               | 5.0.01.20     |
| com.sec.phone                          | com.sec.phone   | 1.0           |
| Foundation                             | com.monotype.android.font.foundation                        | 2.3.03.0      |
| Wi-Fi Direct                           | com.samsung.android.allshare.service.fileshare              | 3.1.11.17     |
| Samsung Notes Add-ons                  | com.samsung.android.app.notes.addons                        | 1.0.00.58     |
| Android Shared Library                 | com.google.android.ext.shared                               | 1             |
| Knox Enrollment Service                | com.sec.enterprise.knox.cloudmdm.smdms                      | 2.1.30        |
| Subscription Calendars                 | com.samsung.android.opencalendar                            | 12.0.00.14    |
| AppLinker                              | com.sec.android.app.applinker                               | 2.1.10        |
| PacProcessor                           | com.android.pacprocessor                                    | 11            |
| Nearby Service                         | com.samsung.android.allshare.service.mediashare             | 3.0.11.17     |
| Auto Hotspot                           | com.sec.mhs.smarttethering                                  | 1.0.91.0      |
| Favourite Contacts                     | com.sec.android.widgetapp.easymodecontactswidget            | 12.0.05       |
| Netflix                                | com.netflix.mediaclient                                     | 1.0.0         |
| Select background music                | com.sec.android.app.ve.vebgm                                | 1.1.04.0      |
| Key Chain                              | com.android.keychain  | 11            |
| UwbTest                                | com.sec.android.app.uwbtest                                 | 1.0.0         |
| Live Message                           | com.samsung.android.service.livedrawing                     | 3.3.19        |
| com.sec.enterprise.knox.attestation    | com.sec.enterprise.knox.attestation                         | 1.0.3         |
| Facebook App Manager                   | com.facebook.appmanager                                     | 55.1.0        |
|  | com.samsung.android.brightnessbackupservice                 | 11            |
| UwbApplication                         | com.samsung.android.uwb                                     | 11            |
| Photo Screensavers                     | com.android.dreams.phototable                               | 11            |
| Safety Information                     | com.samsung.safetyinformation                               | 3.0.29.0      |
| EasyOneHand                            | com.sec.android.easyonehand                                 | 5.0           |
| PartnerNetflixActivation               | com.netflix.partner.activation                              | 1.0.0         |
| EmergencyManagerService                | com.sec.android.emergencymode.service                       | 1.1.00.33     |
| WlanTest                               | com.sec.android.app.wlantest                                | 1.1.0         |
| CarrierDefaultApp                      | com.android.carrierdefaultapp                               | 11            |
| Create movie                           | com.samsung.app.highlightplayer                             | 3.5.54.5      |
| com.samsung.android.wifi.resources     | com.samsung.android.wifi.resources                          | 1.0           |
| Motion photo Viewer                    | com.samsung.android.motionphoto.viewer                      | 1.0.33        |
| ₩"Bixby₩" voice wake-up                | com.samsung.android.bixby.wakeup                            | 2.1.24.46     |
| android.autoinstalls.config.samsung    | android.autoinstalls.config.samsung                         | 0000          |
| Sim App Dialog                         | com.android.simappdialog                                    | 11            |
| Samsung Blockchain Keystore            | com.samsung.android.coldwalletservice                       | 1.3.01.4      |
| AT&T TV                                | com.att.tv  | 1.0           |
| AT&T Smart Wi-Fi                       | com.att.android.attsmartwifi                                | 3.0           |
| AT&T Cloud                             | com.att.personalcloud                                       | 20.4.21.2     |
| myAT&T                                 | com.att.myWireless  | 1.0           |
| QoSIndicator                           | com.samsung.gosindicator                                    | 1.1.08        |
|  | <u>,                                      </u>              |               |

| Call Protect                                       | com.att.callprotect                                | 3.7.1-1854                           |
|--|--|--------------------------------------|
| ATT Security Services                              | com.att.csoiam.mobilekey                           | 1.0.6                                |
| Device Help  | com.att.dh   | 3.53.1                               |
| Setup & Transfer                                   | com.synchronoss.dcs.att.r2g                        | 3.0.0.90-release                     |
| Mobile Services Manager                            | com.dti.att  | 6.4.151-5208                         |
| AT&T Mobile Security                               | com.att.mobilesecurity                             | 5.5.1-d2044a3                        |
| Mobile Network Diagnostics                         | com.att.iqi  | 7.0.3                                |
| Entertainment Widget                               | com.sec.android.app.ewidgetatt                     | 1.0.39                               |
| AT&T Remote Support                                | net.aetherpal.device                               | 2.04.1103.283                        |
| Call Screener                                      | com.sprint.ecid                                    | 10.2.7 2020-02-13 924e122fdc@924e122 |
| Lookout  | com.lookout  | 10.35.1-70990ac                      |
| Carrier Device Manager                             | com.sprint.ms.cdm                                  | 1.7.3                                |
| MCM Client   | com.sprint.w.installer                             | 6.0.25-Release                       |
| Voicemail  | com.coremobility.app.vnotes                        | T.9.1.0.23                           |
| Chameleon  | com.samsung.sprint.chameleon                       | 4.1.1                                |
| Carrier Hub  | com.sprint.ms.smf.services                         | 5.9.6                                |
| My Sprint Launcher                                 | com.sprint.zone                                    | 7.0.7                                |
| Mobile Installer                                   | com.sprint.ce.updater                              | 10.6.00                              |
| SAE  | com.sec.sprextension                               | 1.5.5                                |
| Unified Settings                                   | com.samsung.unifiedsettingservice                  | 5.0.0                                |
| Verizon Location Agent                             | com.telecomsys.directedsms.android.SCG             | 0.0.4.407                            |
| Digital Secure                                     | com.securityandprivacy.android.verizon.vms         | 1.0.7                                |
| Retail Demo Mode                                   | com.customermobile.preload.vzw                     | Retail Demo Mode                     |
| My Verizon   | com.vzw.hss.myverizon                              | 15.1.3                               |
| Hux Extension                                      | com.samsung.huxextension                           | 11.0.09                              |
| Verizon App Manager                                | com.LogiaGroup.LogiaDeck                           | 6.4.147-5190                         |
| One Talk Dialer                                    | com.verizon.onetalk.dialer                         | 1.0.22                               |
| LLKAgent   | com.verizon.llkagent                               | 3.0.02                               |
| Advanced Calling                                   | com.samsung.advancedcalling                        | 1.1.00.7                             |
| Call Filter  | com.vzw.ecid                                       | 3.8.0                                |
| VzwApiService                                      | com.samsung.vzwapiservice                          | 1.0                                  |
| My Verizon Services                                | com.verizon.mips.services                          | 1.0.144.2                            |
| theSCOOP   | com.cricketwireless.thescoop                       | 70.0.48                              |
| Visual Voicemail                                   | com.mizmowireless.vvm                              | 3.3.0.101191                         |
| myCricket  | com.mizmowireless.acctmgt                          | 2.8.5                                |
| Mobile Services                                    | com.dti.cricket                                    | 6.4.145.000-5172                     |
| T-Mobile   | com.tmobile.pr.mytmobile                           | 7.24.1.20062607                      |
| T-Mobile Diagnostics                               | com.tmobile.echolocate                             | 5.0.8                                |
| Spectrum Connectivity Services                     |  | 3.2.3 (2.0.5 3.0.3) REL              |
| Call Guardian                                      | com.spectrum.cm.headless                           |                                      |
|  | com.LogiaGroup.LogiaDeck                           | 9.9.0 2020-09-23 r519039c7b7@519039c |
| Mobile Services Manager  QDCM-FF                   | com.qti.snapdragon.qdcm_ff                         | 6.4.161-5255<br>1.0                  |
|  |  | 11                                   |
| com.qualcomm.atfwd<br>com.android.wallpapercropper | com.qualcomm.atfwd<br>com.android.wallpapercropper | 11                                   |
|  | com.google.android.setupwizard                     | 230.329243634                        |
| Android Setup                                      |  |                                      |
| Google Services Framework                          | com.google.android.gsf                             | 11-6684105<br>11                     |
| System UI  | com.android.systemui                               | 11                                   |
| Storage Manager                                    | com.android.storagemanager                         |                                      |
| Google One Time Init                               | com.google.android.onetimeinitializer              | 11-6684105                           |
| Emergency information                              | com.android.emergency                              | 11 ((0)4105                          |
| Market Feedback Agent                              | com.google.android.feedback                        | 11-6684105                           |
| com.android.carrierconfig                          | com.android.carrierconfig                          | 1.0.0                                |
| com.vzw.apnlib                                     | com.vzw.apnlib                                     | 13.6                                 |

| Android System                             | android   | 11              |
|--|---|-----------------|
| AlwaysOnDisplay                            | com.samsung.android.app.aodservice                                    | 6.1.40          |
| AR Emoji                                   | com.samsung.android.aremoji   | 5.0.00.22       |
| AR Emoji Editor                            | com.samsung.android.aremojieditor                                     | 4.3.01.3        |
| Accessibility                              | com.samsung.accessibility   | 12.0.00.61      |
| T-Mobile                                   | com.tmobile.pr.adapt  | 3.37.0          |
| Air command                                | com.samsung.android.service.aircommand                                | 5.5.19          |
| Magnify                                    | com.samsung.android.setvice.aircommand                                | 1.3.25          |
| Apps                                       | com.samsung.android.app.readinggrass com.samsung.android.app.appsedge | 7.0.37.0        |
| Authentication Framework                   | com.samsung.android.app.appseage                                      | 2.6.00.4        |
| AutoDoodle                                 | com.sec.android.autodoodle.service                                    | 2.9.11.32       |
| AR Emoji Stickers                          |   | 2.9.11.38       |
| com.android.backupconfirm                  | com.sec.android.mimage.avatarstickers com.android.backupconfirm       | 11              |
|  | '   |                 |
| BadgeProvider                              | com.sec.android.provider.badge  | 2.1.00.9        |
| SmartThings                                | com.samsung.android.beaconmanager                                     | 10.1.01.10      |
| com.samsung.android.biometrics.app.setting | com.samsung.android.biometrics.app.setting                            | 1.0.0           |
| Bixby Voice                                | com.samsung.android.bixby.agent                                       | 3.0.35.44       |
| Bixby Voice Stub                           | com.samsung.android.bixby.agent.dummy                                 | 1.0.03.0        |
| Bixby Dictation                            | com.samsung.android.bixby.service                                     | 3.0.00.7        |
| BixbyVision Framework                      | com.samsung.android.bixbyvision.framework                             | 3.7.50.0        |
| Blocked Numbers Storage                    | com.android.providers.blockednumber                                   | 11              |
| Blue light filter                          | com.samsung.android.bluelightfilter                                   | 4.0.0           |
| Default Print Service                      | com.android.bips  | 11              |
| CIDManager                                 | com.samsung.android.cidmanager  | 11              |
| CMFA Framework                             | com.samsung.android.cmfa.framework                                    | 1.0.00.18       |
| CMHProvider                                | com.samsung.cmh   | 6.0.48          |
| CSC  | com.samsung.sec.android.application.csc                               | 1.0.1.0         |
| CallBGProvider                             | com.samsung.android.callbgprovider                                    | 12.0.00.24      |
| CallContentProvider                        | com.samsung.android.incall.contentprovider                            | 12.0.00.5       |
| Call Log Backup/Restore                    | com.android.calllogbackup   | 11              |
| CDFS MODE Launcher                         | com.sec.android.Cdfs  | 5.0.01          |
| ClipboardSaveService                       | com.samsung.clipboardsaveservice                                      | 2.0             |
| Edge panels                                | com.samsung.android.app.cocktailbarservice                            | 7.0.37.0        |
| Work profile                               | com.samsung.android.knox.containeragent                               | 2.7.05001015    |
| D-MAT                                      | com.verizon.obdm  | 2.0.0           |
| DeX for PC                                 | com.sec.android.app.dexonpc   | 1.4.00.12       |
| Samsung DeX                                | com.sec.android.desktopmode.uiservice                                 | 3.9.21.2        |
| DeviceKeystring                            | com.sec.android.app.factorykeystring                                  | 11              |
| DQA  | com.samsung.android.dqagent   | 2.0.11          |
| DeviceTest                                 | com.sec.factory   | 11              |
| DiagMonAgent                               | com.sec.android.diagmonagent  | 7.0.05          |
| Samsung Digital Key                        | com.samsung.android.digitalkey  | 1.0.00.25       |
| Digital Wellbeing                          | com.samsung.android.forest  | 2.0.00.48       |
| Files                                      | com.google.android.documentsui  | r_aml_300900700 |
| com.google.android.documentsui             | com.google.android.documentsui  |                 |
| Downloads                                  | com.android.providers.downloads.ui                                    | 11              |
| Wallpapers                                 | com.samsung.android.app.dressroom                                     | 1.3.53          |
|  | Teeameang.anaroid.app.aressioom                                       | 1.5.55          |

| Live focus                           | com.samsung.android.app.dofviewer                                 | 6.0.32     |
|--------------------------------------|---|------------|
| Wallpaper services                   | com.samsung.android.dynamiclock                                   | 3.3.00.55  |
| Dynamic System Updates               | com.android.dynsystem   | 11         |
| TestWandFota                         | com.samsung.android.app.earphonetypec                             | 1.2.12     |
| Nearby device scanning               | com.samsung.android.easysetup                                     | 11.0.11.0  |
| com.samsung.android.knox.attestation | com.samsung.android.knox.attestation                              | 1.2.00.22  |
| com.sec.epdg                         | com.sec.epdg  | 11         |
| EsimClient                           | com.samsung.android.app.telephonyui.esimclient                    | 12.0.01.17 |
| External Storage                     | com.android.externalstorage                                       | 11         |
| Facebook App Installer               | com.facebook.system   | 55.1.0     |
| Facebook Services                    | com.facebook.services   | 54.0.12    |
| FaceService                          | com.samsung.faceservice   | 4.3.01     |
| Secure Wi-Fi                         | com.samsung.android.fast  | 6.2.00.10  |
| Finder                               | com.samsung.android.app.galaxyfinder                              | 9.6.27.0   |
| Find My Mobile                       | com.samsung.android.fmm   | 7.2.09.3   |
| Software update                      | com.wssyncmIdm  | 3.7.07     |
| Fused Location                       | com.android.location.fused  | 11         |
| Galaxy Store                         | com.sec.android.app.samsungapps                                   | 4.5.20.11  |
| Samsung SM8250 GameDriver            | com.samsung.gamedriver.sm8250                                     | 11.0.00.0  |
| Game Launcher                        | com.samsung.android.game.gamehome                                 | 4.3.03.5   |
| Game Optimizing Service              | com.samsung.android.game.gos                                      | 3.4.00.23  |
| Game Booster                         | com.samsung.android.game.gametools                                | 3.0.00.8   |
| Package installer                    | com.google.android.packageinstaller                               | 11-6684105 |
| GPUWatch                             | com.samsung.gpuwatchapp   | 2.0.40     |
| Tags                                 | com.samsung.android.service.tagservice                            | 1.6.14.0   |
| HdmApp                               | com.samsung.android.setvice.tagsetvice com.samsung.android.hdmapp | 1.0.00.10  |
| Adapt Sound                          | com.sec.hearingadjust   | 11.0.15    |
| IOTHiddenMenu                        | com.sec.hiddenmenu  | 11         |
| com.samsung.huxplatform              | com.samsung.huxplatform   | 1.0.0      |
| HwModuleTest                         | com.sec.android.app.hwmoduletest                                  | 11         |
| IPService                            | com.samsung.ipservice   | 4.0.38     |
| ImsLogger                            | com.sec.imslogger   | 1.20200801 |
| Input Devices                        | com.android.inputdevices  | 11         |
| SmartFPSAdjuster                     | com.sec.android.smartfpsadjuster                                  | 11         |
| Samsung Visit In                     | com.samsung.android.ipsgeofence                                   | 4.1.02.119 |
| KLMS Agent                           | com.samsung.klmsagent   | 3.4.20411  |
| Work profile                         | com.samsung.android.knox.containercore                            | 1.0        |
| Samsung DeX Home                     | com.sec.android.app.desktoplauncher                               | 3.0.03.43  |
| Device Services                      | com.samsung.android.kgclient                                      | 2.2.70     |
| Knox Key Chain                       | com.samsung.knox.keychain   | 11         |
| KnoxPushManager                      | com.samsung.android.knox.pushmanager                              | 1.1.00.32  |
| com.test.LTEfunctionality            | com.test.LTEfunctionality   | 1.0        |
| LED Cover Service                    | com.sec.android.cover.ledcover                                    | 1.4.63     |
| Link to Windows Service              | com.samsung.android.mdx   | 2.1.05.6   |
| DECO PIC                             | com.samsung.android.livestickers                                  | 2.0.00.25  |
| Live Wallpaper Picker                | com.android.wallpaper.livepicker                                  | 11         |
| com.android.localtransport           | com.android.waiipaper.iivepickei com.android.localtransport       | 11         |
| Carrier Login Engine                 | com.verizon.loginengine.unbranded                                 | 4.7.4.0    |
| Work Setup                           | com.android.managedprovisioning                                   | 11         |
| Samsung Galaxy Friends               | com.samsung.android.mateagent                                     | 2.1.20.42  |
| mlp                                  | com.samsung.mlp   | 5.0.04     |
| com.android.providers.media          | com.android.providers.media                                       | 11         |
| MmsService                           | com.android.providers.media<br>com.android.mms.service            | 11         |
| IVII II S S C I V I C C              | COM, android, mins. SCIVICE                                       | [11        |

| MobileWips                                       | com.samsung.android.server.wifi.mobilewips       | 1.1.17.0        |
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| Service mode RIL                                 | com.sec.android.RilServiceModeApp                | 11              |
| MTP application                                  | com.samsung.android.MtpApplication               | 1.0             |
| MTP Host   | com.android.mtp                                  | 11              |
| Separate app sound                               | com.samsung.android.setting.multisound           | 3.0.00.10       |
| NSDSWebApp                                       | com.sec.vsim.ericssonnsds.webapp                 | 2.0.06.0        |
| Samsung Location SDK                             | com.sec.location.nsflp2                          | 5.3.38          |
| NetworkDiagnostic                                | com.samsung.android.networkdiagnostic            | 2.5.05.2        |
| com.google.android.networkstack.permissionconfig | 3  |                 |
| com.google.android.networkstack.permissionconfig | com.google.android.networkstack.permissionconfig | r_aml_300900722 |
| com.google.android.networkstack.permissionconfig | com.google.android.networkstack.permissionconfig |                 |
| com.google.android.networkstack.permissionconfig | com.google.android.networkstack.permissionconfig |                 |
| com.google.android.networkstack.permissionconfig | com.google.android.networkstack.permissionconfig |                 |
| com.google.android.networkstack                  | com.google.android.networkstack                  |                 |
| Network manager                                  | com.google.android.networkstack                  | r_aml_300900700 |
| com.google.android.networkstack                  | com.google.android.networkstack                  |                 |
| com.verizon.obdm_permissions                     | com.verizon.obdm_permissions                     | 1.0.7           |
| Configuration update                             | com.samsung.android.app.omcagent                 | 5.3.17          |
| com.android.ons                                  | com.android.ons                                  | 11              |
| Configuration message                            | com.wsomacp                                      | 7.4.07          |
| OMADM  | com.sec.omadmspr                                 | 5.3             |
| OneDrive   | com.microsoft.skydrive                           | 6.16            |
| Samsung PaymentFramework                         | com.samsung.android.spayfw                       | 2.9.04          |
| People edge                                      | com.samsung.android.service.peoplestripe         | 12.0.00.11      |
| RilNotifier                                      | com.sec.app.RilErrorNotifier                     | 1.0.0           |
| Photo Editor                                     | com.sec.android.mimage.photoretouching           | 2.9.11.33       |
| Application installer                            | com.sec.android.preloadinstaller                 | 11              |
| ProxyHandler                                     | com.android.proxyhandler                         | 11              |
| Media and devices                                | com.samsung.android.mdx.quickboard               | 2.0.11.441      |
| Bixby Routines                                   | com.samsung.android.app.routines                 | 3.0.43          |
| Customization Service                            | com.samsung.android.rubin.app                    | 2.8.00.14       |
| SCameraService                                   | com.samsung.android.camerasdkservice             | 1.1             |
| SCameraXService                                  | com.samsung.android.cameraxservice               | 1.1             |
| Configuration update                             | com.samsung.android.sdm.config                   | 3.0.08          |
| SEMFactoryApp                                    | com.sem.factoryapp                               | 1.0.00.41       |
| SKMSAgentService                                 | com.skms.android.agent                           | 1.0.40-48       |
| Software update                                  | com.sec.android.soagent                          | 6.0.07          |
| Samsung Push Service                             | com.sec.spp.push                                 | 3.3.06          |
| SVC Agent  | com.samsung.android.svcagent                     | 5.0.00.11       |
| Samsung voice input                              | com.samsung.android.svoiceime                    | 2.3.01.1        |
| Samsung account                                  | com.osp.app.signin                               | 12.0.00.27      |
| Samsung Checkout                                 | com.sec.android.app.billing                      | 5.0.30.0        |
| Calendar Storage                                 | com.android.providers.calendar                   | 12.0.00.3       |
| Camera   | com.sec.android.app.camera                       | 11.0.01.10      |

| Samsung Cloud                            | com.samsung.android.scloud                                  | 4.6.00.12   |
|--|---|-------------|
| Contacts                                 | com.samsung.android.app.contacts                            | 12.1.02.12  |
| Contacts Storage                         | com.samsung.android.providers.contacts                      | 12.1.03     |
| Samsung Core Services                    | com.samsung.android.scs                                     | 1.0.00.33   |
| Samsung Device Health Manager Service    | com.sec.android.sdhms                                       | 11          |
| Phone                                    | com.samsung.android.dialer                                  | 12.1.02.12  |
| Samsung Experience Svc                   | com.samsung.android.mobileservice                           | 12.0.00.27  |
| Gallery                                  | com.sec.android.gallery3d                                   | 12.0.00.50  |
| Call                                     | com.samsung.android.incallui                                | 12.0.01.30  |
| Magnifier                                | com.sec.android.app.magnifier                               | 10.0.60     |
| Messages                                 | com.samsung.android.messaging                               | 12.0.00.223 |
| Samsung Multi Connectivity               | com.samsung.android.mcfserver                               | 1.0.02.46   |
| Samsung Pass                             | com.samsung.android.samsungpass                             | 2.6.00.36   |
| SamsungPositioning                       | com.samsung.android.samsungpositioning                      | 3.1.01.6    |
| SamsungSmartSuggestions                  | com.samsung.android.smartsuggestions                        | 11          |
| What                                     | com.samsung.android.app.social                              | 12.0.00.4   |
| Video Player                             | com.samsung.android.video                                   | 7.3.10.35   |
| Separated Apps                           | com.samsung.android.appseparation                           | 1.0.01.32   |
| Configuration update                     | com.samsung.android.providers.carrier                       | 1.0.27      |
| Download Manager                         | com.android.providers.downloads                             | 11          |
| Sec Media Storage                        | com.samsung.android.providers.media                         | 11          |
| My Files                                 | com.sec.android.app.myfiles                                 | 12.0.00.482 |
| Settings                                 | com.android.settings  | 11          |
| Settings Suggestions                     | com.android.settings<br>com.android.settings.intelligence   | 11          |
| Samsung SetupWizard                      | com.sec.android.app.SecSetupWizard                          | 3.0.20.1    |
| SecSoundPicker                           | com.samsung.android.secsoundpicker                          | 1.0.00.22   |
| Dialer Storage                           | com.android.providers.telephony                             | 11          |
| Secure Folder                            | com.samsung.knox.securefolder                               | 1.6.01.41   |
| Send SOS messages                        | com.sec.android.app.safetyassurance                         | 12.0.00.38  |
| SettingsBixby                            | com.samsung.android.app.settings.bixby                      | 3.0.20      |
| Settings Storage                         | com.android.providers.settings                              | 11          |
| Settings Storage Settings                | com.samsung.android.Settings                                | 11          |
| Setup Wizard                             | com.sec.android.app.setupwizard                             | 11.0.25     |
| Quick Share                              | com.samsung.android.app.setupwizard                         | 12.0.00.16  |
| com.android.sharedstoragebackup          | com.android.sharedstoragebackup                             | 11          |
| Shell                                    | com.android.shell   | 11          |
| Single Take                              | com.samsung.android.singletake.service                      | 2.0.00.18   |
| Smart Call                               | com.samsung.android.smgretake.service                       | 12.0.00.19  |
| EpdgTestApp                              | com.sec.epdgtestapp   | 11          |
| Translate                                | com.samsung.android.service.airviewdictionary               | 3.5.06      |
| Device care                              | com.samsung.android.lool                                    | 12.0.00.36  |
| com.samsung.android.smartswitchassistant | com.samsung.android.smartswitchassistant                    | 2.0.01      |
| SoundAlive                               | com.sec.android.app.soundalive                              | 9.5.13      |
| Network unlock                           | com.samsung.ssu   | 1.2.72      |
| Intent Filter Verification Service       | com.android.statementservice                                | 1.0         |
| Crocro and friends                       | com.samsung.android.app.camera.sticker.facearavatar.preload | 3.0.11      |
| StoryService                             | com.samsung.storyservice                                    | 4.0.31      |
| SystemUlBixby2                           | com.samsung.storyservice                                    | 1.4.01.1    |
| Samsung DeX System UI                    | com.samsung.desktopsystemui                                 | 11          |
| SystemUpdate                             | com.sec.android.systemupdate                                | 12.0.00.0   |
| TADownloader                             | com.samsung.android.tadownloader                            | 1.2.03      |
| AuthFw TaPack                            | com.samsung.android.tapack.authfw                           | 1.0.32.0    |
|  | com.android.apps.tag  | 4.3.00      |
| Tags                                     | reom.anaroia.apps.tag                                       | ਜ.J.UU      |

| TalkBack                          | com.samsung.android.accessibility.talkback  | 12.0.00.23    |
|-----------------------------------|---|---------------|
| Tasks                             | com.samsung.android.app.taskedge            | 4.2.22        |
| Phone Services                    | com.android.phone                           | 11            |
| Phone                             | com.android.server.telecom                  | 11            |
| Call settings                     | com.samsung.android.app.telephonyui         | 12.0.01.17    |
| Galaxy Themes Service             | com.samsung.android.themecenter             | 11.0.0.0      |
| Galaxy Themes                     | com.samsung.android.themestore              | 5.2.00.1113   |
| Tips                              | com.samsung.android.app.tips                | 3.0.26.0      |
| One UI Home                       | com.sec.android.app.launcher                | 12.0.00.153   |
| Tethering Provision               | com.samsung.unifiedtp                       | 1.0.07.2      |
| Visual Voicemail                  | com.samsung.vvm                             | 13.0.00.10    |
| User Dictionary                   | com.android.providers.userdictionary        | 11            |
| VZWAPN                            | com.vzw.apnservice                          | 18.3          |
| VolumeMonitorProvider             | com.sec.android.app.volumemonitorprovider   | 1.2.02        |
| VpnDialogs                        | com.android.vpndialogs                      | 11            |
| Cloud                             | com.vcast.mediamanager                      | 20.7.15       |
| core                              | com.microsoft.appmanager                    | 1.20103.92.0  |
| IMS Service                       | com.sec.imsservice                          | 1.0           |
| Knox Analytics Uploader           | com.samsung.android.knox.analytics.uploader | 1.2.01.1      |
| KnoxVpnPacProcessor               | com.knox.vpn.proxyhandler                   | 11            |
| ringtonebackup                    | com.sec.android.app.ringtoneBR              | 1.0.00.4      |
| Service mode                      | com.sec.android.app.servicemodeapp          | 11            |
| SmartFaceService                  | com.samsung.android.smartface               | 1.0           |
| com.samsung.android.wallpaper.res | com.samsung.android.wallpaper.res           | 11            |
| Software Update                   | com.ws.dm                                   | 4.5.17        |
| Facebook                          | com.facebook.katana                         | stub (55.1.0) |