Last update : Aug 2016

**Test list: features required for mobile application on HDD navi**

o: Applicable or OK
x: Not applicable

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| # | Category | Test item | 1 Nokia C3-00 | 2 Samsung GT@P 315 | 3 Samsung S3360 Star II | 4 Nokia C1-01 | 5 Samsung S5660 Galaxy Gio | 6 Apple iphone 4 | 7 Blackberry Curve 8520 | 8 Nokia 2720 fold | 9 Samsung E2550 | 10 Nokia C2-01 | 11 Nokia X2-01 | 12 Nokia C1-02 | 13 Samsung C3500 | 14 Samsung S5570 Galaxy Mini | 15 Samsung S5830 Galaxy Ace | 16 Samsung S100 Galaxy S II | 17 Samsung B2100 CorbyT-XT | 18 Nokia E5-00 | 19 Nokia C3-01 | 20 Sony Ericsson CK15i TXT Pro | 21 Samsung GT@P 322 | 22 Samsung E2120 | 23 Acer beTouch E140 | 24 Samsung S5600 | 25 Sony Ericsson Vivaz | 26 HTC Wildfire S | 27 Blackberry Curve 3G 9300 | 28 Sony Ericsson Xperia X10 mini pro | 29 Samsung S5230W | 30 Samsung E2550 | 31 Samsung S5620 | 32 Nokia X3-02 | 33 Nokia 2720 Classic | 34 Nokia 5800 | 35 Sony Ericsson Xperia X10 mini | 36 Nokia C5-03 | 37 Nokia 7230 | 38 Samsung C3300 Champ | 39 Samsung E2370 | 40 Sony Ericsson Xperia X8 | 41 Nokia S101 Lumia | 42 Apple iphone 4s | 43 Nokia 710 Lumia | 44 Samsung S3360 Galaxy Y | 45 HTC One X |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **HFP - Hands Free Call** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Device Registration | When searching from AG, is the device name set for the H/U displayed on that AG? (before H/U is registered) | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O |
| 2 | | After entering PIN code on the phone, is device registration successful? | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O |
| 3 | | Is connection made after device registration? | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O |
| 4 | | Is the AG found when a device search is initiated from the H/U? | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O |
| 5 | | Is registration successful when initiated from the H/U and PIN code is entered? | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O |
| 6 | | Is connection made from H/U after registration authentication? | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O |
| 7 | Normal Hands-free Operation | From the H/U, can you make an outgoing call by 10 key and enter a hands-free state? | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O |
| 8 | | From the AG, can you make an outgoing call and enter a Private state? | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O |
| 9 | | When an outgoing call is aborted from the H/U, does it enter standby state? | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O |
| 10 | | When a call is received, does the H/U enter a hands-free incoming call state? | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O |
| 11 | | After receiving an incoming call, can hands-free talk be initiated from the H/U? | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O |
| 12 | | Can call be rejected from H/U, and does H/U enter standby mode? | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O |
| 13 | | While talking, if "Private ON" button is pressed on the H/U, does the audio switch to the AG? | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | X |
| 14 | | During private mode talk, if "Private OFF" button is pressed on the H/U, does the audio switch to the H/U? | O | O | O | O | O | O | O | X | O | X | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | X | X | O | X | O | O | X | O | O | O | O | O | X |
| 15 | | During hands-free talk, can call be ended from far end phone? | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | X |
| 16 | Speech Quality/Other | Confirmation of Voice Quality from H/U Speaker. | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | X |
| 17 | | Confirmation of Voice Quality of Far End Phone. | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | X |
| 18 | | Is it possible to disconnect through AG operation? | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O |
| **OPP - Phone Book Transfer** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | Importing Phonebook from H/U (HFP Transfer) | Can you initiate phonebook import transfer from the H/U? | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | X | O | O | O | O | O | X | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | X |
| 20 | OPP transfer from AG | Is phonebook transfer from AG successful? (1 entry transfer) | O | O | X | O | O | X | X | O | X | O | O | O | O | O | O | O | O | X | O | X | O | O | O | O | O | O | X | O | O | O | O | O | O | O | O | O | O | O | O | O | O | X | X | X | O |
| 21 | | Is phonebook transfer from AG successful? (Select all entries for transfer) | X | O | X | X | O | X | O | X | X | X | X | X | O | O | O | O | X | O | X | O | O | O | X | O | X | O | O | X | O | X | O | X | O | O | X | O | X | X | O | X | O | O | X | X | O |
| 22 | | During transfer, can transfer be cancelled from AG? | O | O | X | O | O | X | X | O | X | O | O | O | O | O | O | O | O | X | O | X | O | O | O | X | X | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | O | X | X | X | O |
| **A2DP - Wireless Music Playback** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | Device Registration from AG | When searching from AG, is the device name set for the H/U displayed on that AG? (before H/U is registered) / If already paired in HFP, test can be skipped. | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 24 | | After entering pass key on the AG, is device registration successful? / If already paired in HFP, test can be skipped. | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 25 | | Is connection (Automatic) made after registration authentication? | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 26 | Device Registration from H/U | Is the AG found when a device search is initiated from the H/U? / If already paired in HFP, test can be skipped. | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 27 | | Is registration successful when initiated from the H/U and PIN code is entered? / If already paired in HFP, test can be skipped. | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 28 | | Is connection (Automatic) made after registration authentication? | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 29 | Connection/Disconnection from BT Device | Is it possible to disconnect(A2DP connection stop) through AG operation? | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 30 | PLAY/PAUZE | While stopped, is PLAY operation from H/U possible? (Does speaker output begin? Is there a popping noise?) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 31 | | While playing, is PAUZE operation from H/U possible? (Does speaker output pause? Is there a popping noise?) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 32 | | While paused, is PLAY operation from H/U possible? (Does speaker output begin? Is there a popping noise?) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 33 | TRACK UP | While playing, is TRACK UP operation from H/U possible? (Is there a popping noise?) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 34 | | While stopped, is TRACK UP operation from H/U possible? (Is there a popping noise?) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 35 | TRACK DOWN | While playing, is TRACK DOWN operation from H/U possible? (Is there a popping noise?) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 36 | | While stopped, is TRACK DOWN operation from H/U possible? (Is there a popping noise?) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 37 | FF | While playing, is FF operation from H/U possible? (Is there a popping noise?) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 38 | | During FF, can FF be ended from H/U? (Is there a pop noise during operation?) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 39 | | While stopped, is FF operation from H/U possible? (Is there a popping noise?) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 40 | FB | While playing, is FB operation from H/U possible? (Is there a popping noise?) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 41 | | During FB, can FB be ended from H/U? (Is there a pop noise during operation?) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 42 | | While stopped, is FB operation from H/U possible? (Is there a popping noise?) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 43 | Audio Quality | Are there any problems with audio quality (noise, volume, distortion)? | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 44 | Incoming Calls (Interruption) | When a call is received, does the H/U enter a hands-free incoming call state? | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 45 | | After receiving an incoming call, can hands-free talk be initiated from the H/U? | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 46 | | Is music play restart after end call? | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

Device columns (46–93):

| # | Device |
|---|--------|
| 46 | Nokia Asha 201 |
| 47 | Samsung I8510 Galaxy Y Pro |
| 48 | HTC One V |
| 49 | Sony Xperia U ST-25i |
| 50 | Nokia C2-00 |
| 51 | Nokia C1-05 |
| 52 | Nokia Asha 200 |
| 53 | Samsung Galaxy Mini 2 S6500 |
| 54 | Samsung I9001 Galaxy S+ |
| 55 | Nokia 500 |
| 56 | Samsung C3520 |
| 57 | Sony Xperia S |
| 58 | Samsung Ace Plus |
| 59 | Samsung Galaxy S3 i9300 |
| 60 | Apple iPhone 5 |
| 61 | Samsung I8190 S III mini |
| 62 | BlackBerry 9790 |
| 63 | Acer Liquid E350 |
| 64 | Sony ST27i |
| 65 | Nokia Lumia 800 |
| 66 | Apple iPhone 5 |
| 67 | Samsung Galaxy s4 i9505 |
| 68 | Nokia 306 |
| 69 | Samsung Galaxy Trend Lite S7390 |
| 70 | Nokia Lumia 520 |
| 71 | Nokia 301 |
| 72 | Samsung Galaxy S7275 (ACE 3) |
| 73 | Samsung Galaxy G900F (S5) |
| 74 | Nokia Lumia 635 |
| 75 | HTC Desire 610 |
| 76 | Apple iPhone 6 |
| 77 | Samsung A3 |
| 78 | Samsung S6 |
| 79 | Nokia Lumia 830 |
| 80 | Sony Xperia M2 |
| 81 | Huawei P7 |
| 82 | HTC Desire 620 |
| 83 | Samsung Galaxy J5 SM-500 |
| 84 | Microsoft Lumia 550 |
| 85 | Apple iPhone 6s |
| 86 | Samsung Galaxy A5 (2016) SM-A510 |
| 87 | Huawei P8 Lite |
| 88 | Microsoft Lumia 650 |
| 89 | Huawei Y6 |
| 90 | Samsung Galaxy A3 2016 (SM-A310) |
| 91 | Apple iPhone SE |
| 92 | Samsung Galaxy S7 (SM-G930F) |
| 93 | Nokia 230 |

**HFP – Hands Free Call**

| # | Category | Test item | Result (cols 46–93) |
|---|----------|-----------|---------------------|
| 1 | Device Registration | When searching from AG, is the device name set for the H/U displayed on that AG? (before H/U is registered) | all O |
| 2 | | After entering PIN code on the phone, is device registration successful? | all O |
| 3 | | Is connection made after device registration? | all O |
| 4 | | Is the AG found when a device search is initiated from the H/U? | all O |
| 5 | | Is registration successful when initiated from the H/U and PIN code is entered? | all O |
| 6 | | Is connection made from H/U after registration authentication? | all O |
| 7 | Normal Hands-free Operation | From the H/U, can you make an outgoing call by 10 key and enter a hands-free state? | all O |
| 8 | | From the AG, can you make an outgoing call and enter a Private state? | all O |
| 9 | | When an outgoing call is aborted from the H/U, does it enter standby state? | all O |
| 10 | | When a call is received, does the H/U enter a hands-free incoming call state? | all O |
| 11 | | After receiving an incoming call, can hands-free talk be initiated from the H/U? | all O |
| 12 | | Can call be rejected from H/U, and does H/U enter standby mode? | all O |
| 13 | | While talking, if "Private ON" button is pressed on the H/U, does the audio switch to the AG? | all O |
| 14 | | During private mode talk, if "Private OFF" button is pressed on the H/U, does the audio switch to the H/U? | all O |
| 15 | | During hands-free talk, can call be ended from far end phone? | all O |
| 16 | Speech Quality/Other | Confirmation of Voice Quality from H/U Speaker. | all O except one X (col 66) |
| 17 | | Confirmation of Voice Quality of Far End Phone. | all O |
| 18 | | Is it possible to disconnect through AG operation? | all O |

**OPP – Phone Book Transfer**

| # | Category | Test item | Result (cols 46–93) |
|---|----------|-----------|---------------------|
| 19 | Importing Phonebook from H/U (HFP Transfer) | Can you initiate phonebook import transfer from the H/U? | O X O O O O O O X O O O O O O O O O O O X O O O O O O O O O O O O O O O O O O O O O O O O O O O |
| 20 | OPP transfer from AG | Is phonebook transfer from AG successful? (1 entry transfer) | O O O O O O O O O O O O O X X O X O X X X O X X X O X O X X X X X X X X X O X O O X O X O O X O O |
| 21 | | Is phonebook transfer from AG successful? (Select all entries for transfer) | X O X O X X X O O O O O O O X X X O X X X X X X X O O O O O O O O O O X O X O X O O X O O X O O |
| 22 | | During transfer, can transfer be cancelled from AG? | X X X X X X X X O O X O X X X X O X X X X X X X X O X O X O X X X X X X X X X X X X X X X X X X |

**A2DP – Wireless Music Playback**

| # | Category | Test item | Result (cols 46–93) |
|---|----------|-----------|---------------------|
| 23 | Device Registration from AG | When searching from AG, is the device name set for the H/U displayed on that AG? (before H/U is registered) / If already paired in HFP, test can be skipped. | all X |
| 24 | | After entering pass key on the AG, is device registration successful? / If already paired in HFP, test can be skipped. | all X |
| 25 | | Is connection (Automatic) made after registration authentication? | all X |
| 26 | Device Registration from H/U | Is the AG found when a device search is initiated from the H/U? / If already paired in HFP, test can be skipped. | all X |
| 27 | | Is registration successful when initiated from the H/U and PIN code is entered? / If already paired in HFP, test can be skipped. | all X |
| 28 | | Is connection (Automatic) made after registration authentication? | all X |
| 29 | Connection/Disconnection from BT Device | Is it possible to disconnect(A2DP connection stop) through AG operation? | all X |
| 30 | PLAY/PAUZE | While stopped, is PLAY operation from H/U possible? (Does speaker output begin? Is there a popping noise?) | all X |
| 31 | | While playing, is PAUZE operation from H/U possible? (Does speaker output pause? Is there a popping noise?) | all X |
| 32 | | While paused, is PLAY operation from H/U possible? (Does speaker output begin? Is there a popping noise?) | all X |
| 33 | TRACK UP | While playing, is TRACK UP operation from H/U possible? (Is there a popping noise?) | all X |
| 34 | | While stopped, is TRACK UP operation from H/U possible? (Is there a popping noise?) | all X |
| 35 | TRACK DOWN | While playing, is TRACK DOWN operation from H/U possible? (Is there a popping noise?) | all X |
| 36 | | While stopped, is TRACK DOWN operation from H/U possible? (Is there a popping noise?) | all X |
| 37 | FF | While playing, is FF operation from H/U possible? (Is there a popping noise?) | all X |
| 38 | | During FF, can FF be ended from H/U? (Is there a pop noise during operation?) | all X |
| 39 | | While stopped, is FF operation from H/U possible? (Is there a popping noise?) | all X |
| 40 | FB | While playing, is FB operation from H/U possible? (Is there a popping noise?) | all X |
| 41 | | During FB, can FB be ended from H/U? (Is there a pop noise during operation?) | all X |
| 42 | | While stopped, is FB operation from H/U possible? (Is there a popping noise?) | all X |
| 43 | Audio Quality | Are there any problems with audio quality (noise, volume, distortion)? | all X |
| 44 | Incoming Calls (Interruption) | When a call is received, does the H/U enter a hands-free incoming call state? | all X |
| 45 | | After receiving an incoming call, can hands-free talk be initiated from the H/U? | all X |
| 46 | | Is music play restart after end call? | all X |