

Conducted Output Power (802.11n-CH 9) 13.5Mbps



Conducted Output Power (802.11n-CH 9) 27 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |

Page 1 0 1 of 234



Conducted Output Power (802.11n-CH 9) 40.5 Mbps



Conducted Output Power (802.11n-CH 9) 54 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |

Page 1 0 2 of 234



Conducted Output Power (802.11n-CH 9) 81 Mbps



Conducted Output Power (802.11n-CH 9) 108 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 9) 121.5 Mbps



Conducted Output Power (802.11n-CH 9) 135 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Average

RESULT PLOTS_Ant.0

Conducted Output Power (802.11b-CH 1) 1Mbps



Conducted Output Power (802.11b-CH 1) 2Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11b-CH 1) 5.5Mbps



Conducted Output Power (802.11b-CH 1) 11Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11b-CH 6) 1Mbps



Conducted Output Power (802.11b-CH 6) 2Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |

Page 1 0 7 of 234



Conducted Output Power (802.11b-CH 6) 5.5Mbps



Conducted Output Power (802.11b-CH 6) 11Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11b-CH 11) 1Mbps



Conducted Output Power (802.11b-CH 11) 2Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |

Page 1 0 9 of 234



Conducted Output Power (802.11b-CH 11) 5.5Mbps



Conducted Output Power (802.11b-CH 11) 11Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |

Page 1 1 0 of 234



RESULT PLOTS_Ant.0

Conducted Output Power (802.11g-CH 1) 6Mbps



Conducted Output Power (802.11g-CH 1) 9Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11g-CH 1) 12Mbps



Conducted Output Power (802.11g-CH 1) 18Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|-----------------------------------|-------------------------------------|--|--------------------|
| Test Report No. HCTR1210FR30-1 | Date of Issue: November 01, 2012 | EUT Type: Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | FCC ID: ZNFL03E |
| HC1R1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSDPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11g-CH 1) 24Mbps



Conducted Output Power (802.11g-CH 1) 36Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|------------------------------|-------------------|--|---------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11g-CH 1) 48Mbps



Conducted Output Power (802.11g-CH 1) 54Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|-----------------------------------|-------------------------------------|--|--------------------|
| Test Report No. HCTR1210FR30-1 | Date of Issue: November 01, 2012 | EUT Type: Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | FCC ID: ZNFL03E |
| HC1R1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSDPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11g-CH 6) 6Mbps



Conducted Output Power (802.11g-CH 6) 9Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|------------------------------|-------------------|--|---------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |

Page 1 1 5 of 234



Conducted Output Power (802.11g-CH 6) 12Mbps



Conducted Output Power (802.11g-CH 6) 18Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|-----------------------------------|-------------------------------------|--|--------------------|
| Test Report No. HCTR1210FR30-1 | Date of Issue: November 01, 2012 | EUT Type: Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | FCC ID: ZNFL03E |
| HC1R1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSDPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11g-CH 6) 24Mbps



Conducted Output Power (802.11g-CH 6) 36Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|------------------------------|-------------------|--|---------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11g-CH 6) 48Mbps



Conducted Output Power (802.11g-CH 6) 54Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|------------------------------|-------------------|--|---------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11g-CH 11) 6Mbps



Conducted Output Power (802.11g-CH 11) 9Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|------------------------------|-------------------|--|---------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11g-CH 11) 12Mbps



Conducted Output Power (802.11g-CH 11) 18Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|------------------------------|-------------------|--|---------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |

Page 1 2 0 of 234



Conducted Output Power (802.11g-CH 11) 24Mbps



Conducted Output Power (802.11g-CH 11) 36Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|------------------------------|-------------------|--|---------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |

Page 1 2 1 of 234



Conducted Output Power (802.11g-CH 11) 48Mbps



Conducted Output Power (802.11g-CH 11) 54Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|------------------------------|-------------------|--|---------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



RESULT PLOTS_Ant.0_ 20 MHz BW

Conducted Output Power (802.11n-CH 1) 6.5Mbps



Conducted Output Power (802.11n-CH 1) 13Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|-----------------------------------|-------------------------------------|--|--------------------|
| Test Report No. HCTR1210FR30-1 | Date of Issue: November 01, 2012 | EUT Type: Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | FCC ID: ZNFL03E |
| HC1R1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSDPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 1) 19.5Mbps



Conducted Output Power (802.11n-CH 1) 26Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|------------------------------|-------------------|--|---------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 1) 39Mbps



Conducted Output Power (802.11n-CH 1) 52Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|-----------------------------------|-------------------------------------|--|--------------------|
| Test Report No. HCTR1210FR30-1 | Date of Issue: November 01, 2012 | EUT Type: Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | FCC ID: ZNFL03E |
| HC1R1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSDPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 1) 58.5Mbps



Conducted Output Power (802.11n-CH 1) 65Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|------------------------------|-------------------|--|---------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 6) 6.5Mbps



Conducted Output Power (802.11n-CH 6) 13Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|------------------------------|-------------------|--|---------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 6) 19.5Mbps



Conducted Output Power (802.11n-CH 6) 26Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|-----------------------------------|-------------------------------------|--|--------------------|
| Test Report No. HCTR1210FR30-1 | Date of Issue: November 01, 2012 | EUT Type: Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | FCC ID: ZNFL03E |
| HC1R1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSDPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 6) 39Mbps



Conducted Output Power (802.11n-CH 6) 52Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|------------------------------|-------------------|--|---------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 6) 58.5Mbps



Conducted Output Power (802.11n-CH 6) 65Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|------------------------------|-------------------|--|---------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 11) 6.5Mbps



Conducted Output Power (802.11n-CH 11) 13Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|------------------------------|-------------------|--|---------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 11) 19.5Mbps



Conducted Output Power (802.11n-CH 11) 26Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|-----------------------------------|-------------------------------------|--|--------------------|
| Test Report No. HCTR1210FR30-1 | Date of Issue: November 01, 2012 | EUT Type: Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | FCC ID: ZNFL03E |
| HC1R1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSDPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 11) 39Mbps



Conducted Output Power (802.11n-CH 11) 52Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|------------------------------|-------------------|--|---------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 11) 58.5Mbps



Conducted Output Power (802.11n-CH 11) 65Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|------------------------------|-------------------|--|---------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



RESULT PLOTS_Ant.0:_40 MHz BW Conducted Output Power (802.11n-CH 3) 13.5 Mbps



Conducted Output Power (802.11n-CH 3) 27 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | | ZNFL03E |



Conducted Output Power (802.11n-CH 3) 40.5 Mbps



Conducted Output Power (802.11n-CH 3) 54 Mbps



| FCC PT.15.247 TEST REPORT | | www.hct.co.kr | |
|------------------------------|-------------------|--|---------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 3) 81 Mbps



Conducted Output Power (802.11n-CH 3) 108 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |

Page 1 3 7 of 234



Conducted Output Power (802.11n-CH 3) 121.5 Mbps



Conducted Output Power (802.11n-CH 3) 135 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 6) 13.5 Mbps



Conducted Output Power (802.11n-CH 6) 27 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 6) 40.5 Mbps



Conducted Output Power (802.11n-CH 6) 54 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 6) 81 Mbps



Conducted Output Power (802.11n-CH 6) 108 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 6) 121.5 Mbps



Conducted Output Power (802.11n-CH 6) 135 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 9) 13.5Mbps



Conducted Output Power (802.11n-CH 9) 27 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 9) 40.5 Mbps



Conducted Output Power (802.11n-CH 9) 54 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|-----------------------------------|-------------------------------------|--|--------------------|
| Test Report No. HCTR1210FR30-1 | Date of Issue: November 01, 2012 | EUT Type: Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | FCC ID: ZNFL03E |
| HC1R1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSDPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 9) 81 Mbps



Conducted Output Power (802.11n-CH 9) 108 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 9) 121.5 Mbps



Conducted Output Power (802.11n-CH 9) 135 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



MIMO

RESULT PLOTS_Ant.1_ 20 MHz BW

Conducted Output Power (802.11n-CH 1) 6.5Mbps



Conducted Output Power (802.11n-CH 1) 13Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 1) 19.5Mbps



Conducted Output Power (802.11n-CH 1) 26Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 1) 39Mbps



Conducted Output Power (802.11n-CH 1) 52Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 1) 58.5Mbps



Conducted Output Power (802.11n-CH 1) 65Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 6) 6.5Mbps



Conducted Output Power (802.11n-CH 6) 13Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |

Page 1 5 1 of 234



Conducted Output Power (802.11n-CH 6) 19.5Mbps



Conducted Output Power (802.11n-CH 6) 26Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 6) 39Mbps



Conducted Output Power (802.11n-CH 6) 52Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 6) 58.5Mbps



Conducted Output Power (802.11n-CH 6) 65Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 11) 6.5Mbps



Conducted Output Power (802.11n-CH 11) 13Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|-----------------------------------|-------------------------------------|--|--------------------|
| Test Report No. HCTR1210FR30-1 | Date of Issue: November 01, 2012 | EUT Type: Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | FCC ID: ZNFL03E |
| HC1R1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSDPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 11) 19.5Mbps



Conducted Output Power (802.11n-CH 11) 26Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 11) 39Mbps



Conducted Output Power (802.11n-CH 11) 52Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |

Page 1 5 7 of 234



Conducted Output Power (802.11n-CH 11) 58.5Mbps



Conducted Output Power (802.11n-CH 11) 65Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



RESULT PLOTS_Ant.1:_40 MHz BW

Conducted Output Power (802.11n-CH 3) 13.5 Mbps



Conducted Output Power (802.11n-CH 3) 27 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 3) 40.5 Mbps



Conducted Output Power (802.11n-CH 3) 54 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 3) 81 Mbps



Conducted Output Power (802.11n-CH 3) 108 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |

Page 1 6 1 of 234



Conducted Output Power (802.11n-CH 3) 121.5 Mbps



Conducted Output Power (802.11n-CH 3) 135 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |

Page 1 6 2 of 234



Conducted Output Power (802.11n-CH 6) 13.5 Mbps



Conducted Output Power (802.11n-CH 6) 27 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 6) 40.5 Mbps



Conducted Output Power (802.11n-CH 6) 54 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |



Conducted Output Power (802.11n-CH 6) 81 Mbps



Conducted Output Power (802.11n-CH 6) 108 Mbps



| FCC PT.15.247 TEST REPORT | FCC CERTIFICATION REPORT | | www.hct.co.kr |
|------------------------------|--------------------------|--|---------------|
| Test Report No. | Date of Issue: | EUT Type: | FCC ID: |
| HCTR1210FR30-1 | November 01, 2012 | Cellular/PCS GSM/GPRS and Cellular WCDMA/HSDPA/HSUPA Wireless Router with WLAN | ZNFL03E |