

Regulatory WWAN Antenna Information

(English Language Required for Intel Regulatory Review / Approval)

**(OEM/ODM or antenna vendor is required to complete this document with platform antenna information.
Remove Intel references and make this your own document)**

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| Platform | |
| Platform Owner | HP |
| Brand Name | HP |
| Model Name | G2022 |
| ODM | Compal Corporation |
| Target Launch Date | |
| | |
| Antenna | |
| Manufacturer | Vendor 2 |
| Part Number | TPx Antenna 81ELA215.G63 (3200604284B0) |
| | DRx Antenna 81ELA215.G64 (3200604283B0) |
| | DRx1 Antenna 81ELA215.G63 (3200604284B0) |
| | DRx2 Antenna 81ELA215.G64 (3200604283B0) |
| | |
| Module | |
| With WWAN Module | |
| (Check Box) | |
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Antenna Information

Section 1. Antenna Assembly Specifications

| 1A | 1B | 1C | 1D | 1E | 1F | 1G | 1H |
|---|-----------------|--------------|--|--------------------------------|--------------------------------|---------------|------------------|
| Antenna Part Number | Manufacture | Antenna Type | Cable Assembly Part Number and Information | *Peak Gain W/ Cable loss (dBi) | Peak Gain w/o Cable Loss (dBi) | VSWR | Cable Loss (dBi) |
| WWAN Main Antenna (TPx) 81ELA215.G63 (3200604284B0) | Vendor 2 | PIFA | 50 ohm Coaxial. length: 84mm diameter:1.13mm connector:Speedtec C87P115-00002-H | 698-821MHz | 698-821MHz | 698-821MHz | 698-821MHz |
| | | | | -0.84 dBi (peak) | -0.70 dBi (peak) | 4 max | 0.14 dBi (peak) |
| | | | | 824-960MHz | 824-960MHz | 824-960MHz | 824-960MHz |
| | | | | -3.15 dBi (peak) | -3.00 dBi (peak) | 4 max | 0.15 dBi (peak) |
| | | | | 1425-1515MHz | 1425-1515MHz | 1425-1515MHz | 1425-1515MHz |
| | | | | -0.73 dBi (peak) | -0.55 dBi (peak) | 4 max | 0.18 dBi (peak) |
| | | | | 1710-2200MHz | 1710-2200MHz | 1710-2200MHz | 1710-2200MHz |
| | | | | 2.22 dBi (peak) | 2.43 dBi (peak) | 4 max | 0.21 dBi (peak) |
| WWAN AUX Antenna (DRx) 81ELA215.G64 (3200604283B0) | Vendor 2 | PIFA | 50 ohm Coaxial. length: 201mm diameter:1.13mm connector:Speedtec C87P115-00002-H | 2300-2690MHz | 2300-2690MHz | 2300-2690MHz | 2300-2690MHz |
| | | | | 1.13 dBi (peak) | 1.37 dBi (peak) | 4 max | 0.24 dBi (peak) |
| | | | | 3400-3800MHz | 3400-3800MHz | 3400-3800MHz | 3400-3800MHz |
| | | | | 0.23 dBi (peak) | 0.51 dBi (peak) | 4 max | 0.28 dBi (peak) |
| | | | | 4200-4700MHz | 4200-4700MHz | 4200-4700MHz | 4200-4700MHz |
| | | | | -1.41 dBi (peak) | -1.10 dBi (peak) | 4 max | 0.31 dBi (peak) |
| | | | | 5150-5925MHz | 5150-5925MHz | 5150-5925MHz | 5150-5925MHz |
| | | | | 0.91 dBi (peak) | 1.27 dBi (peak) | 4 max | 0.36 dBi (peak) |
| WWAN AUX Antenna (DRx) 81ELA215.G64 (3200604283B0) | Vendor 2 | PIFA | 50 ohm Coaxial. length: 201mm diameter:1.13mm connector:Speedtec C87P115-00002-H | 717-821MHz | 717-821MHz | 717-821MHz | 717-821MHz |
| | | | | -3.3 dBi (peak) | -2.96 dBi (peak) | 4 max | 0.34 dBi (peak) |
| | | | | 824-960MHz | 824-960MHz | 824-960MHz | 824-960MHz |
| | | | | -3.61 dBi (peak) | -3.24 dBi (peak) | 4 max | 0.37 dBi (peak) |
| | | | | 1425-1515MHz | 1425-1515MHz | 1425-1515MHz | 1425-1515MHz |
| | | | | 0.60 dBi (peak) | 1.04 dBi (peak) | 4 max | 0.44 dBi (peak) |
| | | | | 1557-1610 MHz | 1557-1610 MHz | 1557-1610 MHz | 1557-1610 MHz |
| | | | | 0.71 dBi (peak) | 1.16 dBi (peak) | 4 max | 0.45 dBi (peak) |
| WWAN AUX Antenna (DRx) 81ELA215.G64 (3200604283B0) | Vendor 2 | PIFA | 50 ohm Coaxial. length: 201mm diameter:1.13mm connector:Speedtec C87P115-00002-H | 1805-2200MHz | 1805-2200MHz | 1805-2200MHz | 1805-2200MHz |
| | | | | 1.43 dBi (peak) | 1.94 dBi (peak) | 4 max | 0.51 dBi (peak) |
| | | | | 2300-2690MHz | 2300-2690MHz | 2300-2690MHz | 2300-2690MHz |
| | | | | 1.29 dBi (peak) | 1.86 dBi (peak) | 4 max | 0.57 dBi (peak) |
| | | | | 3400-3800MHz | 3400-3800MHz | 3400-3800MHz | 3400-3800MHz |
| | | | | -1.59 dBi (peak) | -0.92 dBi (peak) | 4 max | 0.67 dBi (peak) |
| | | | | 4200-4700MHz | 4200-4700MHz | 4200-4700MHz | 4200-4700MHz |
| | | | | -3.05 dBi (peak) | -2.32 dBi (peak) | 4 max | 0.73 dBi (peak) |
| 5150-5925MHz | 5150-5925MHz | 5150-5925MHz | 5150-5925MHz | | | | |
| 1.80 dBi (peak) | 2.65 dBi (peak) | 4 max | 0.85 dBi (peak) | | | | |

| 1A Antenna Part Number | 1B Manufacture | 1C Antenna Type | 1D Cable Assembly Part Number and Information | 1E *Peak Gain W/ Cable loss (dBi) | 1F Peak Gain w/o Cable Loss (dBi) | 1G VSWR | 1H Cable Loss (dBi) |
|--|-------------------|--------------------|--|--|--|------------------------------------|---------------------------------------|
| Antenna (DRx1) 81ELA215.G63 (3200604284B0) | Vendor 2 | PIFA | 50 ohm Coaxial. length: 91mm diameter:1.13mm connector:Speedtec C87P115-00002-H | 1805-2200MHz 0.62 dBi(peak) | 1805-2200MHz 0.85 dBi(peak) | 1805-2200MHz 4 dBi (peak) | 1805-2200MHz 0.23 dBi(peak) |
| | | | | 2300-2690MHz -0.05 dBi(peak) | 2300-2690MHz 0.21 dBi(peak) | 2300-2690MHz 4 dBi (peak) | 2300-2690MHz 0.26 dBi(peak) |
| | | | | 3400-3800MHz 1.15 dBi(peak) | 3400-3800MHz 1.45 dBi(peak) | 3400-3800MHz 4 dBi (peak) | 3400-3800MHz 0.30 dBi(peak) |
| | | | | 4200-5000MHz 1.64 dBi(peak) | 4200-5000MHz 1.99 dBi(peak) | 4200-5000MHz 4 dBi (peak) | 4200-5000MHz 0.35 dBi(peak) |
| Antenna (DRx2) 81ELA215.G64 (3200604283B0) | Vendor 2 | PIFA | 50 ohm Coaxial. length: 212mm diameter:1.13mm connector:Speedtec C87P115-00002-H | 1710-2200MHz -0.04 dBi (peak) | 1710-2200MHz 0.49 dBi (peak) | 1710-2200MHz 4 dBi (peak) | 1710-2200MHz 0.53 dBi (peak) |
| | | | | 2300-2690MHz -0.66 dBi (peak) | 2300-2690MHz -0.06 dBi (peak) | 2300-2690MHz 4 dBi (peak) | 2300-2690MHz 0.60 dBi (peak) |
| | | | | 3400-3800MHz 0.05 dBi (peak) | 3400-3800MHz 0.75 dBi (peak) | 3400-3800MHz 4 dBi (peak) | 3400-3800MHz 0.70 dBi (peak) |
| | | | | 4200-5000MHz 1.95 dBi (peak) | 4200-5000MHz 2.76 dBi (peak) | 4200-5000MHz 4 dBi (peak) | 4200-5000MHz 0.81 dBi (peak) |

- Antenna Peak Gain required being test in system basis.
- 1E frame contend absolutely peak antenna gain include H/V