

W20-GW-vodacom

| Items | | Uplink | Downlink | |
|-----------------------------|----------------------|---------------------|-------------------|--------|
| Frequency Range | GSM | 890.1 ~ 901.1 MHz | 935.1 ~ 946.1 MHz | |
| | WCDMA | 1920 ~ 1935 MHz | 2110 ~ 2125 MHz | |
| Output Power | GSM | 15±2 dBm | 20±2 dBm | |
| | WCDMA | 15±2 dBm | 20±2 dBm | |
| Gain | GSM | 65±2dB | 70±2dB | |
| | WCDMA | 65±2dB | 70±2dB | |
| ALC | | >20dB | | |
| Manual Gain Control | | 30dB in step of 1dB | | |
| Bandwidth | GSM | 11 MHz | 11 MHz | |
| | WCDMA | 15 MHz | 15 MHz | |
| Ripple in Band | GSM | ≤4dB | ≤4dB | |
| | WCDMA | ≤2dB/3.84MHz | ≤2dB/3.84MHz | |
| Out of Band Gain (GSM) | ± 600 KHz | ≤ 40dB | ≤ 40dB | |
| | ± 1 MHz | ≤ 35dB | ≤ 35dB | |
| | ± 5 MHz | ≤ 25dB | ≤ 25dB | |
| Out of Band Gain (WCDMA) | 2.5≤f-offset<3.5MHz | ≤ 60dB | ≤ 60dB | |
| | 3.5≤f-offset<7.5MHz | ≤ 45dB | ≤ 45dB | |
| | 7.5≤f-offset<12.5MHz | ≤ 45dB | ≤ 45dB | |
| | 12.5≤f-offset | ≤ 35dB | ≤ 35dB | |
| Intermodulation Products | GSM | ≤-36 dBm | ≤-36 dBm | |
| | WCDMA | ≤-30 dBm | ≤-30 dBm | |
| Spurious Emission | 9KHz~1GHz | ≤-36 dBm | ≤-36 dBm | |
| | 1GHz~12.75GHz | ≤-30 dBm | ≤-30 dBm | |
| EVM(WCDMA) | | ≤ 12.5% | ≤ 12.5% | |
| PCDE(WCDMA) | | ≤ -35dB | ≤ -35dB | |
| Noise Figure @ max. gain | GSM | ≤8 dB | ≤8 dB | |
| | DCS | ≤8 dB | ≤8 dB | |
| VSWR | GSM | ≤2 | ≤2 | |
| | DCS | ≤2 | ≤2 | |
| Group delay | | ≤5uS | | |
| Alarm | GSM | ALC not active | - | Green |
| | | ALC Active1-5dB | - | Orange |
| | | ALC Active>20dB | - | Red |
| | DCS | ALC not active | - | Green |
| | | ALC Active1-5dB | - | Orange |
| | | ALC Active>20dB | - | Red |
| Power Supply | | DC: 12V/5A | | |
| Power Consumption | | <45W | | |



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| Items | Uplink | Downlink |
|------------------------|------------|----------|
| RF Connector | N-Female | |
| Environment Conditions | IP40 | |
| Humidity | < 90% | |
| Operating Temperature | -10°C~55°C | |
