

Required parameter for FCC experimental application	WiBAS G5 dual-BS	WiBAS G5 GigaConnect with 30cm antenna	WiBAS G5 GigaConnect with 50cm antenna
Specific model of tower side and CPE	WG5-DUAL-BS-28-L-1008-02	WG5-GC1-1F-27-29	WG5-GC1-1D6F-27-29
Specific frequencies requested (in MHz)	28,108.5 - 28,220.5 (Tx) 29,116.5 - 29,228.5 (Rx)	29,116.5 - 29,228.5 (Tx) 28,108.5 - 28,220.5 (Rx)	29,116.5 - 29,228.5 (Tx) 28,108.5 - 28,220.5 (Rx)
Transmit Power (in mW or W)	0.0794 W	0.0631 W	0.0631 W
Effective Radiated Power (in mW or W)	10.84 W	216.36 W	402.88 W
Is the Power expressed as a Mean or Peak Value?	Mean	Mean	Mean
Antenna Gain	23.5dBi	37.5dBi	40.2 dBi
What is the Frequency Tolerance (as a %, e.g., +/-0.002%)	0.001%	0.0015%	0.0015%
Emission Designators to be Used (i.e., Seven Character ID indicating Bandwidth and Signal Type)	112MD7W	112MD7W	112MD7W
Signal Modulation Format(s) 4, 16, 64, 128 or 256 QAM	Downlink: 4-QAM, 16-QAM, 64-QAM, 128-QAM, 256-QAM, 512-QAM, 1024-QAM Uplink: 4-QAM, 16-QAM, 64-QAM, 128-QAM, 256-QAM	Downlink: 4-QAM, 16-QAM, 64-QAM, 128-QAM, 256-QAM, 512-QAM, 1024-QAM Uplink: 4-QAM, 16-QAM, 64-QAM, 128-QAM, 256-QAM	Downlink: 4-QAM, 16-QAM, 64-QAM, 128-QAM, 256-QAM, 512-QAM, 1024-QAM Uplink: 4-QAM, 16-QAM, 64-QAM, 128-QAM, 256-QAM
Is a directional antenna to be used? If so, what is the orientation of the transmitter? There can be numerous azimuths from a single antenna. Please provide details)	Antenna is fixed beamwidth sectoral (dual-polarity)	Directional parabolic (dual-polarity)	Directional parabolic (dual-polarity)
Width of beam in degrees at the half-power point (elevation)	4°	2°	1.5°
Width of beam in degrees at the half-power point (azimuth)	22.5°	2°	1.5°
Antenna Orientation in horizontal plane:	181°	n/a	1.3°
Antenna Orientation in vertical plane: (beam tilt if applicable)	-2°	n/a	2.7°