

Transmitter		
Frequency Upper [MHz]		1620.57
Frequency lower [MHz]		1610.73
Transmit power [W]		26 dBm
TX Manufacturer/Model No.:		GSP-1720
TX Antenna Manufacturer:		Qualcomm
Circuit Loss: [dB]		0.1
Antenna Type: [Other, dipole, helix, horn, loop, monopole, patch, phased array, reflector, slot, spiral]		Patch
Antenna Gain: [dBi]		4.5
Antenna Polarization: [Other, Horizontal, Left Handed Elliptical, Right Handed Elliptical, Vertical]		LHCP
Antenna Axial Ratio: [dB]		< 1.5
Antenna Location:		Surface of CubeSat
Data Rate (Digital) or Bandwidth (Analog): [Mbps] or [MHz]		9600bps. Digital Synthesizer, 1.23MHz Channels
For Spread Spectrum		N/A
Modulation Scheme: Other, AM, ASK, BPSK, FM, FSK, GMSK, MSK, QAM, QPSK		CDMA
Emission Bandwidth:		
-3 db [MHz]		1.23
-20 db [MHz]		1.572
-40 db [MHz]		3.662
-60 db [MHz]		Below Noise Floor of spectrum analyzer
Receiver		
Frequency Upper [MHz]		2483.5
Frequency lower [MHz]		2500
RX Manufacturer/Model No.:		GSP-1720
RX Antenna Manufacturer:		Qualcomm
Circuit Loss: [dB]		0.1
Antenna Type: [Other, dipole, helix, horn, loop, monopole, patch, phased array, reflector, slot, spiral]		Patch
Antenna Gain: [dBi]		4.5
Antenna Polarization: [Other, Horizontal, Left Handed Elliptical, Right Handed Elliptical, Vertical]		LHCP
Antenna Axial Ratio: [dB]		<1.5
Receiver Noise Figure: [dB]		1
Antenna Noise Temperature: [dBK]		330
Antenna Location:		Surface of CubeSat
RF Selectivity Bandwidth:		
-3 db [MHz]		16.5
-20 db [MHz]		500
-40 db [MHz]		
-60 db [MHz]		>1600

Contact following with any questions:

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