

DJA3120 A&Es

Cellular Communications Jammer

4 Bands w/120W each



Architectural & Engineering Specifications

1.0 Description

The Cellular Communications Jammer shall be Dante Security's DJA3120 series. The Cellular Communication Jammers are designed to block all wireless Networks. Mobile Telephones or other electronic communication devices in the vicinity of a DJA3120 product will be unable to receive signals or in the case of a mobile phone, dial outgoing calls. Optional software provides user with a means of measuring incoming cellular signal and determine the correct output power requirement of the DJA3120 model for the specific installation.

2.0 General Requirements

1. The Cellular Communications Jammer shall be designed to block all wireless networks including cellular bands such as iDen, TDMA, CDMA, GSM, UMTS, DCS, PHS PCS, 3G, AMPS, N-AMPS, NMT AND TACS.
2. The Cellular Communications Jammer shall run on a 100-240VAC Power Supply Source
3. The Cellular Communications Jammer shall feature Status/Alarm LEDs & Monitoring Client Software
4. The Cellular Communications Jammer shall feature Dip Switch Controls to Attenuate Output Power
5. The Cellular Communications Jammer shall feature slow start-up circuitry for long term reliability

3.0 Function and Features

1. The Cellular Communications Jammer shall feature up to four (4) frequency bands; 120W/Band
2. The Cellular Communications Jammer shall feature Directional Antennas with min. 12dBi to 15dBi each Band
3. The Cellular Communications Jammer shall interfere w/downlink base station frequencies
4. The Cellular Communications Jammer shall feature over temperature and VSWR Protection
5. The Cellular Communications Jammer shall feature PLL Synthesized Signal Source

4.0 Cellular Communications Jammer Parameters

Jammer Parameters	DJA3120
Output Power per Band	120W (480W Total)
Signal Source	PLL Synthesized
Temperature and VSWR Over Protection	For Each Band
Power Supply	100-240VAC
Frequency Modules	Up to Four (4) Bands
Band A (in Model Number)	851/869 MHz ~ 894 MHz
Band B (in Model Number)	925/936 MHz ~ 965 MHz
Band C (in Model Number)	1800 MHz ~ 1990 MHz
Band D	2110 MHz ~ 2170 MHz
Interface Standards	iDen, TDMA, CDMA, GSM, UMTS, DCS, PHS, PCS, 3G, AMPS, N-AMPS, NMT, TACS
Antennas	Directional Type
Jamming Radius	250-500m
Output Power 851/869-894 MHz	51dBm
Output Power 925/936-965 MHz	51dBm
Output Power 1800-1990 MHz	51dBm
Output Power 2110-2170 MHz	51dBm
Dip Switch Controls/Band	RF Output Power in 1dB Steps



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5.0 Connections

1. The Cellular Communications Jammer shall feature PC monitor wired control via RS-485 (RJ-45 Jack) for use with Client Monitoring Software
2. The Cellular Communications Jammer shall connect via RF Cables to Directional Antennae: RG214/Suhner 5-10m included

6.0 Directional Antenna

1. Type: 65° Vertical Magnetization Panel
2. Power: min. 12dBi per Band
3. Dimension L x W x H: 47" (1200mm), 11" (280mm), 3.95" (100mm)
4. RF Connectors: N Female
5. The Cellular Communications Jammer shall interfere with cell tower downlink only

7.0 Client Software

1. The Cellular Communications Jammer shall feature optional Client Monitoring Software to provide operation status on Windows based PC
2. Cell tower signal strength may be measured w/Nokia 8250 for GSM or Motorola C510 for CDMA and manufacturer will provide user with correct output power

8.0 Compliance and Certification

1. The Cellular Communications Jammer shall be CE approved
2. This product shall be manufactured to ISO9001:2000 standards

9.0 Power

1. The Cellular Communications Jammer shall operate on a provided power supply at:
 - a. 100-240 VAC 50/60Hz
 - b. Power consumption shall be 680 Watts

10.0 Mechanical Characteristics

1. The net weight for the Cellular Communications Jammer shall be 117 lbs (52kg) with Rack; 161lbs. (72Kg) with wooden shipping crate
2. The Cellular Communications Jammer rack enclosure shall include two fans; fan cooled rack enclosure with casters
3. The dimensions for the Cellular Communications Jammer shall be the following H x W x D:
35" (900mm) 23.6" (600mm) 23.6" (600mm)
4. This product shall operate at a temperature of -10°C ~ 65°C and humidity of 5%~90% (Non-condensing)

11.0 Warranty

The Cellular Communications Jammer shall be provided with a manufacturer's warranty that shall be extended only to the original purchaser and for the original installation for a period of one (1) year from date of original shipment.

