antenna conceptor

Product Datasheet

2JW0715-433-C20N

433 MHz ISM Connector Mount



Key Features

433 MHz ISM
- 433-435 MHz
Connector Mount
Ground Plane Dependent
High Efficiency
Low Profile
Dimensions 132 x 12.6 mm

1. Antenna and electrical specifications

Parameters	433 MHz ISM Antenna
Standards	ISM, LoRa
Band (MHz)	433 MHz
Frequency (MHz)	433-435
Return Loss (dB)	~-4.6
VSWR	~3.8:1
Efficiency (%)	~60
Peak Gain (dBi)	~-0.3
Average Gain (dB)	~-2.2
Impendance (Ohm)	50
Polarisation	Linear
Radiation Pattern	Omni-Directional
Max. Input Power (W)	25
Connector Type	SMA-Male Standard

Antenna Measurement Conditions:

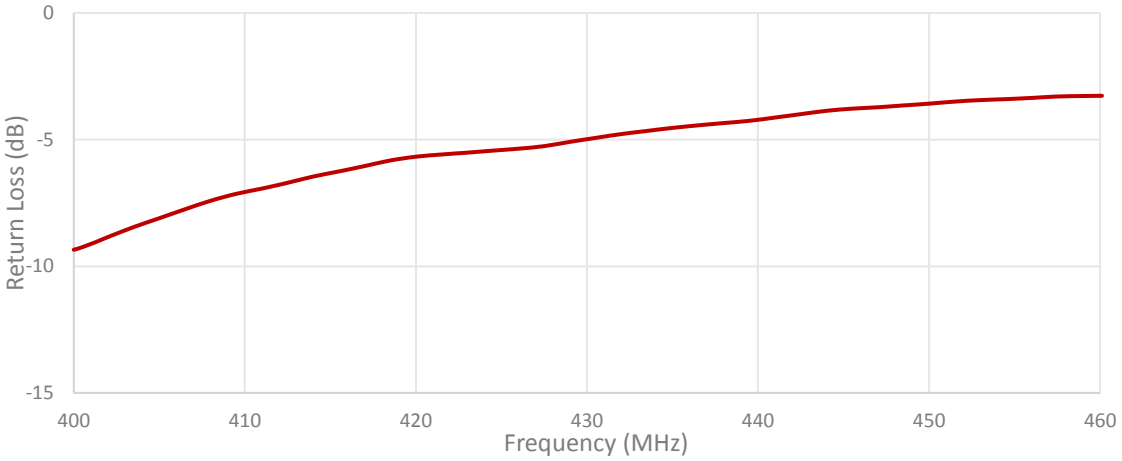
Mounted on Ground Plane of 150x50 mm

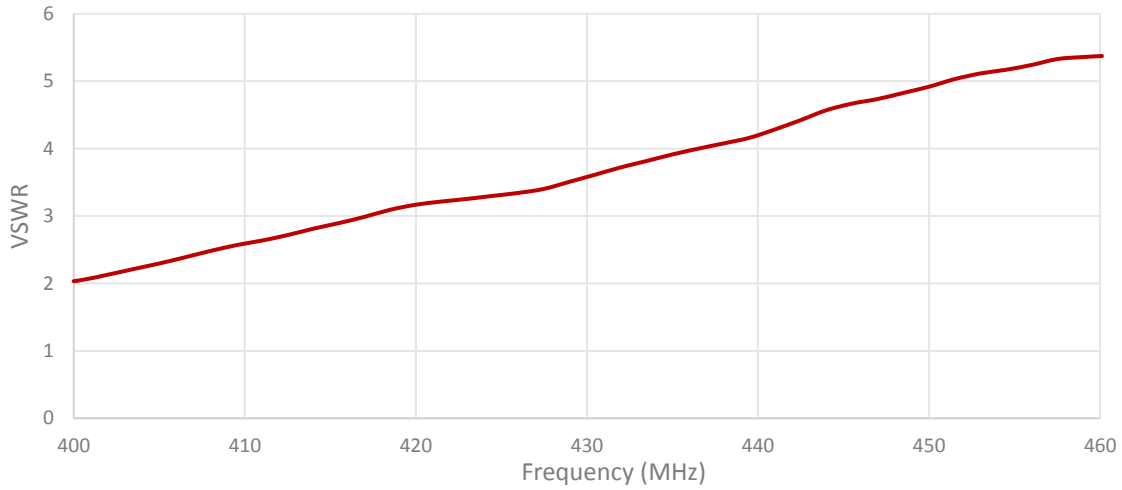
Measured in Certified CTIA 3D Anechoic Chamber

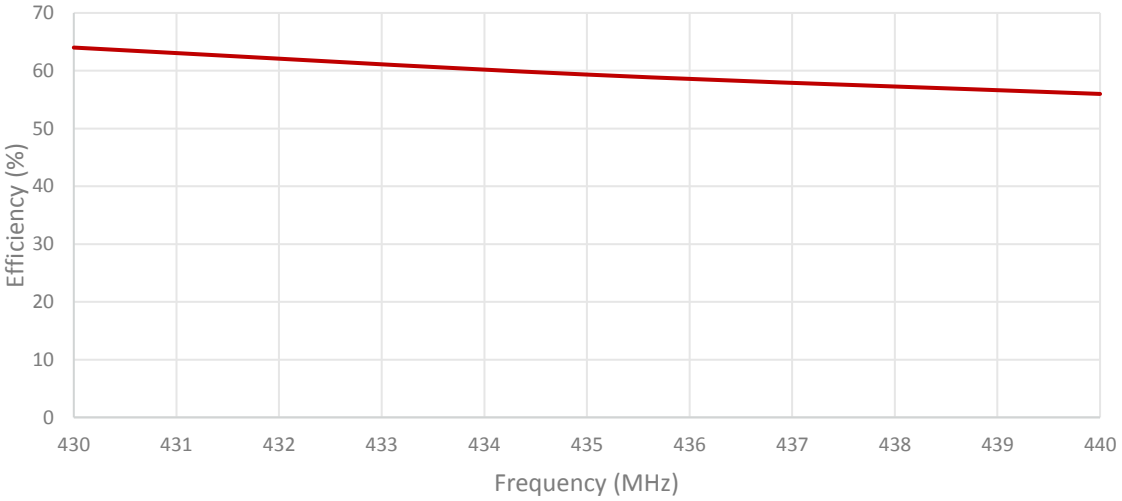
2. Mechanical and environmental specifications

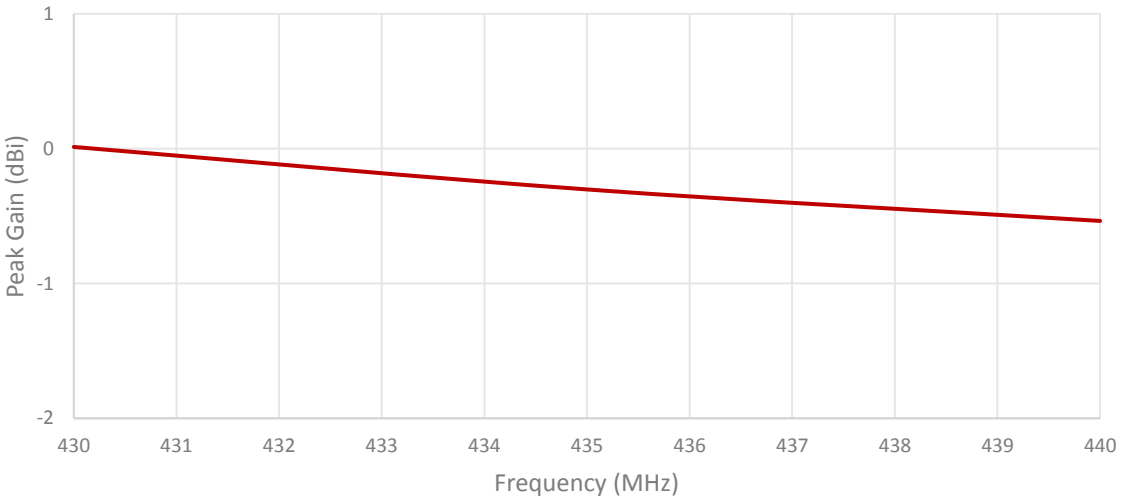
Specifications	2JW0715-433-C20N
Mounting Type	Connector Mount
Dimensions (mm)	132 x 12.6
Radome	TPE
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

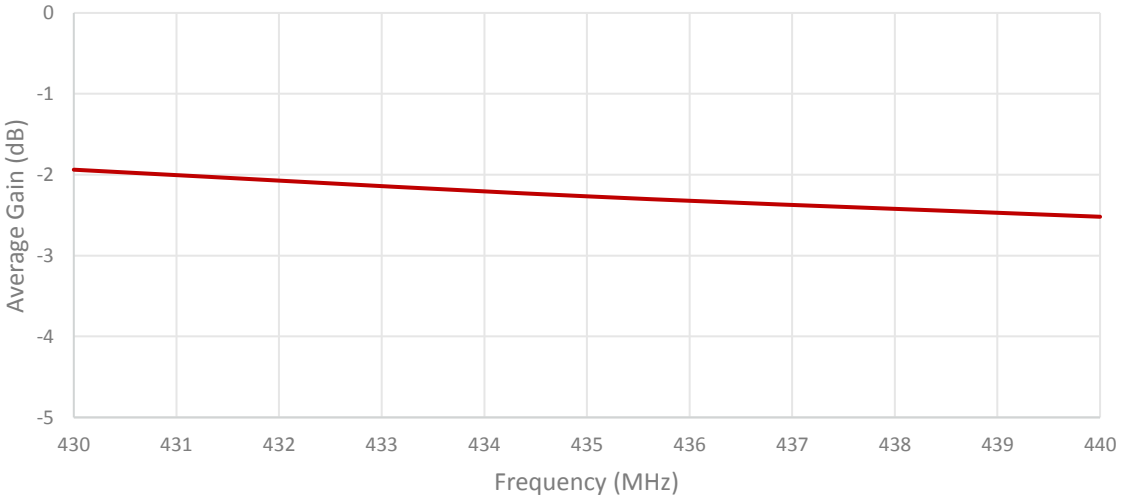
3. Antenna parameters

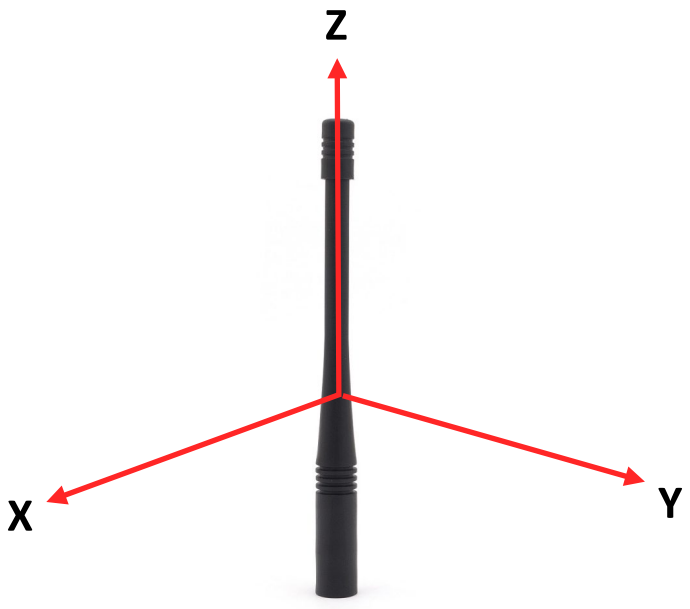




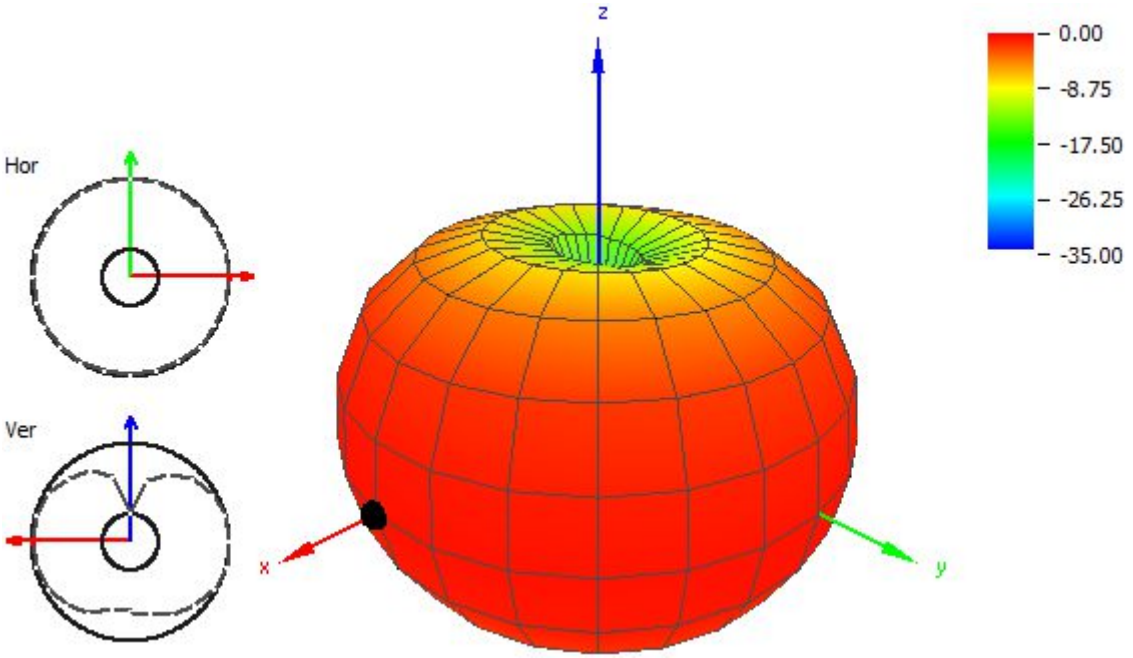

70
60
50
40
30
20
10
0
Efficiency (%)
430
431
432
433
434
435
436
437
438
439
440
Frequency (MHz)


1
0
-1
-2
Peak Gain (dBi)
430
431
432
433
434
435
436
437
438
439
440
Frequency (MHz)



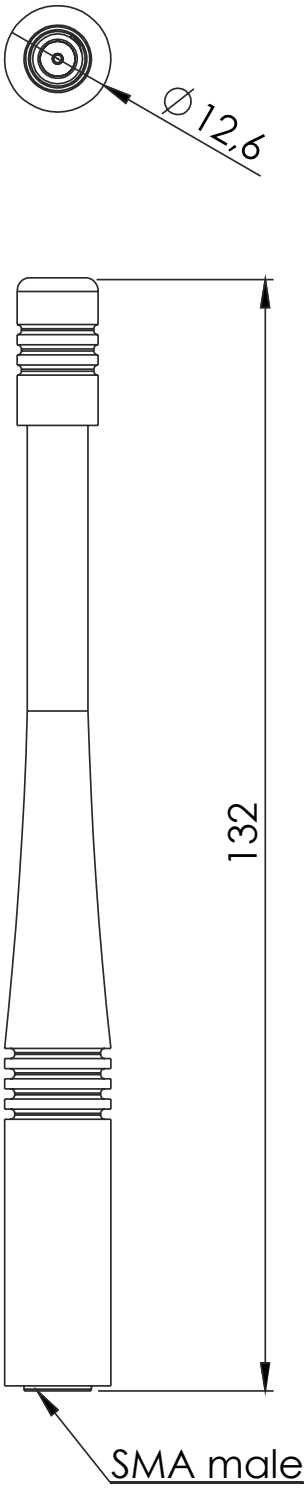


Radiation pattern reference



433 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

