

2JW1178-C952B

DECAWAVE Connector Mount

Key Features

DECAWAVE

- 3200-7000 MHz

Connector Mount

Wide band Antenna

High Performance

Ground Plane Independent

Hinged Connector

Dimensions 135 × 19 × 10 mm



1. Antenna and electrical specifications

Parameters	DECAWAVE Antenna			
Standards	DECAWAVE			
Band (MHz)	3500	4000	4500	6500
Frequency (Mhz)	3244-3744	3328-4660	4243-4743	5980-6999
Channel Number	1	2, 4	3	5, 7
Channel Bandwidth (MHz)	500	500, 900	500	500, 900
Channel Frequency (MHz)	3494.4	3993.6	4492.8	6489.6
Return Loss (dB)	~-11.0	~-11.7	~-12.9	~-8.6
VSWR	~2.2:1	~2.0:1	~1.7:1	~2.5:1
Efficiency (%)	~59.0	~59.5	~59.8	~72.2
Peak Gain (dBi)	~2.8	~3.3	~2.8	~2.5
Average Gain (dB)	~-2.4	~-2.3	~-2.3	~-1.4
Impedance (Ohm)	50			
Polarisation	Linear			
Radiation Pattern	Omni-Directional			
Max. Input Power (W)	25			
Connector Type	SMA-Male			

Antenna Measurement Conditions:

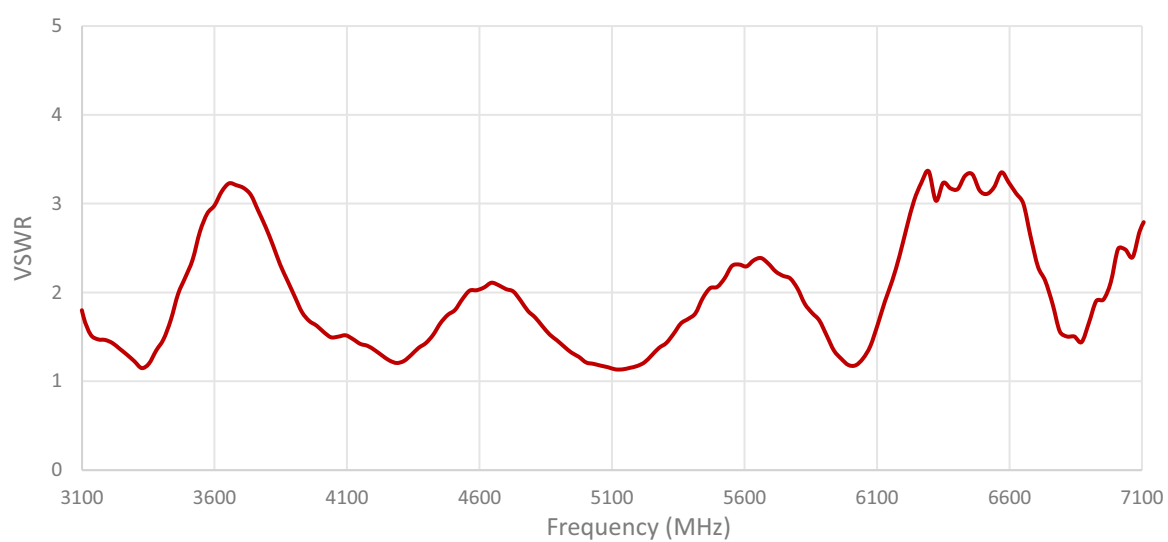
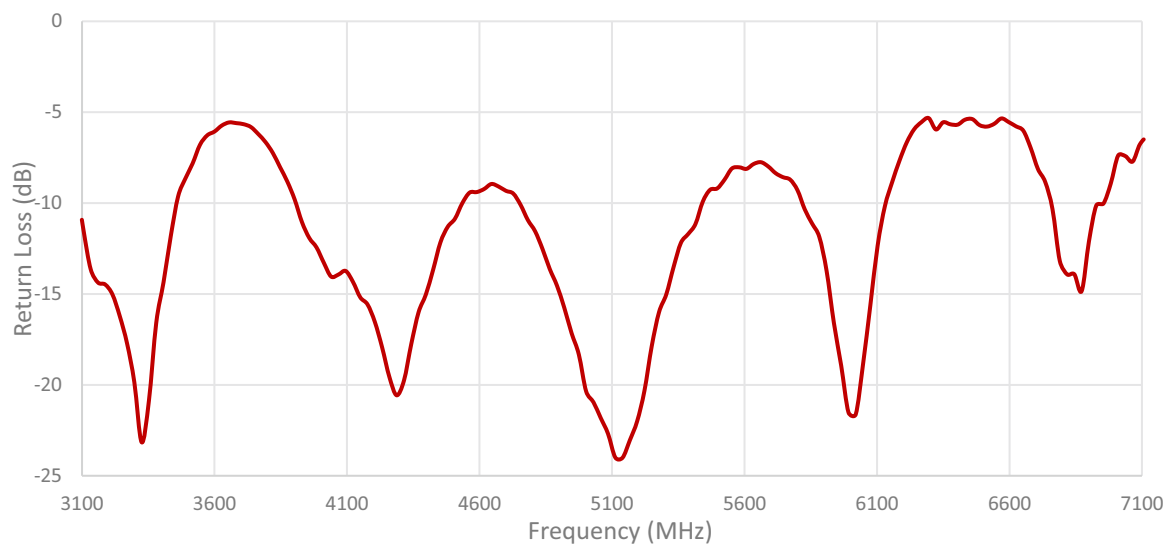
Free Space

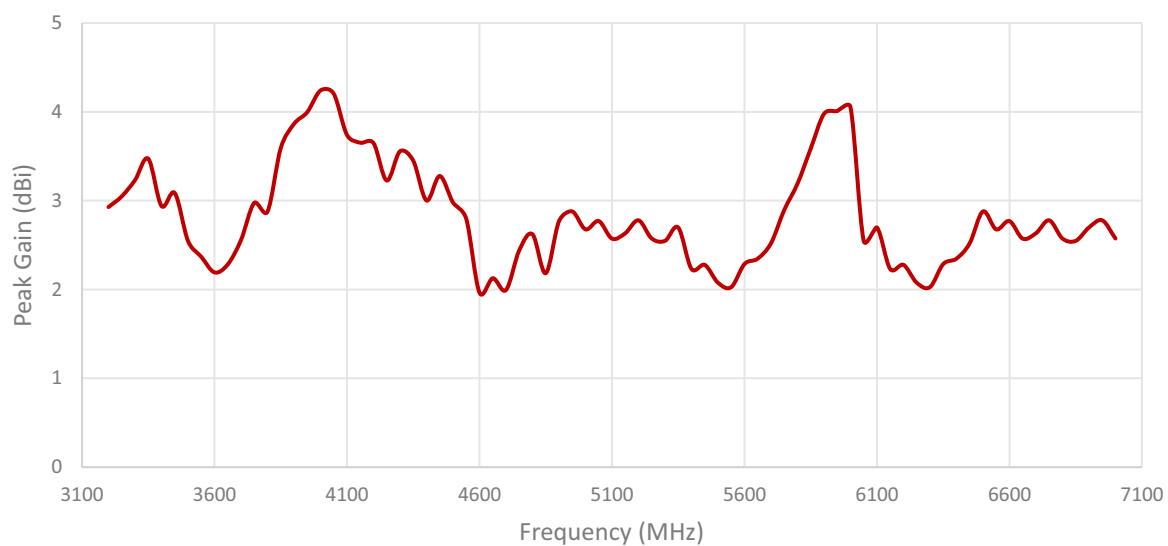
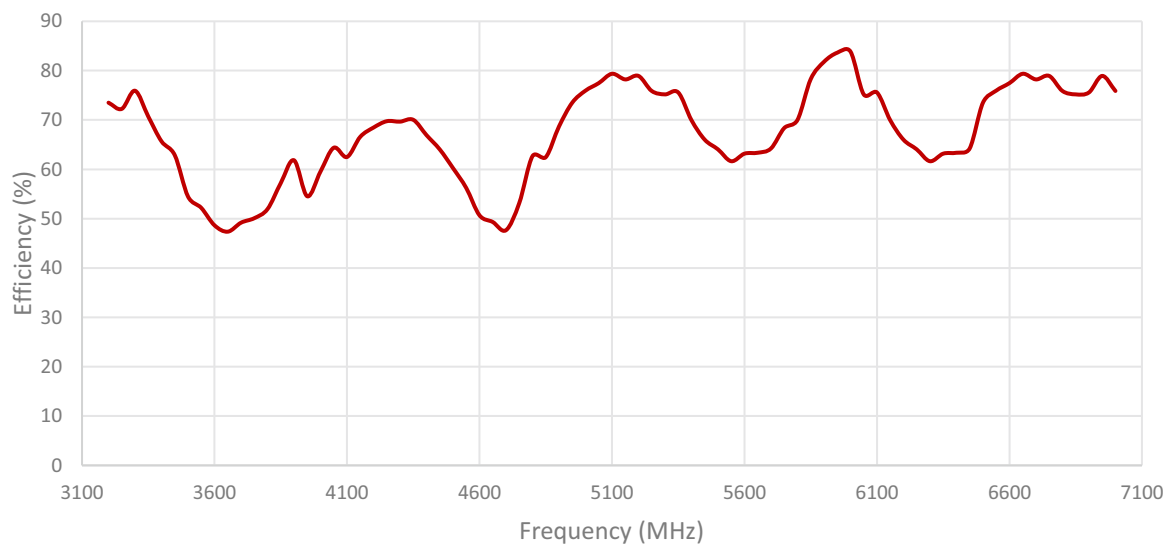
Measured in Certified CTIA 3D Anechoic Chamber

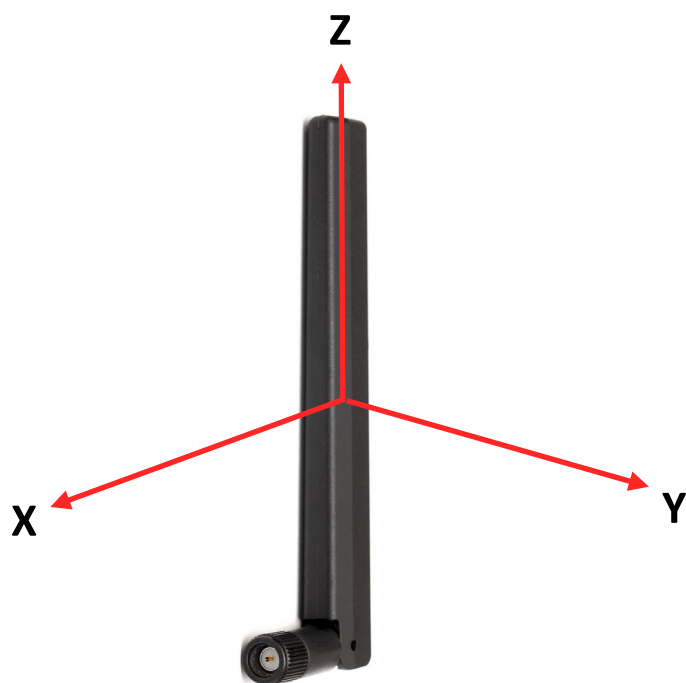
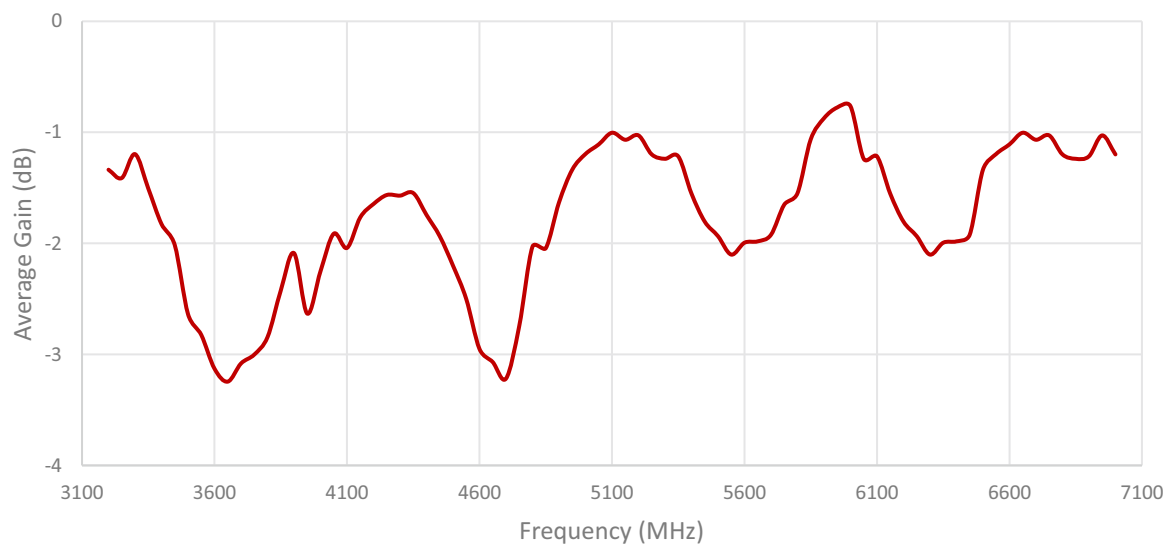
2. Mechanical and environmental specifications

Specifications	2JW1178-C952B
Mounting Type	Connector Mount
Dimensions (mm)	135 × 19 × 10
Radome	PC/ABS UV Stable
Radome color	Black
Connector Feature	Hinged
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

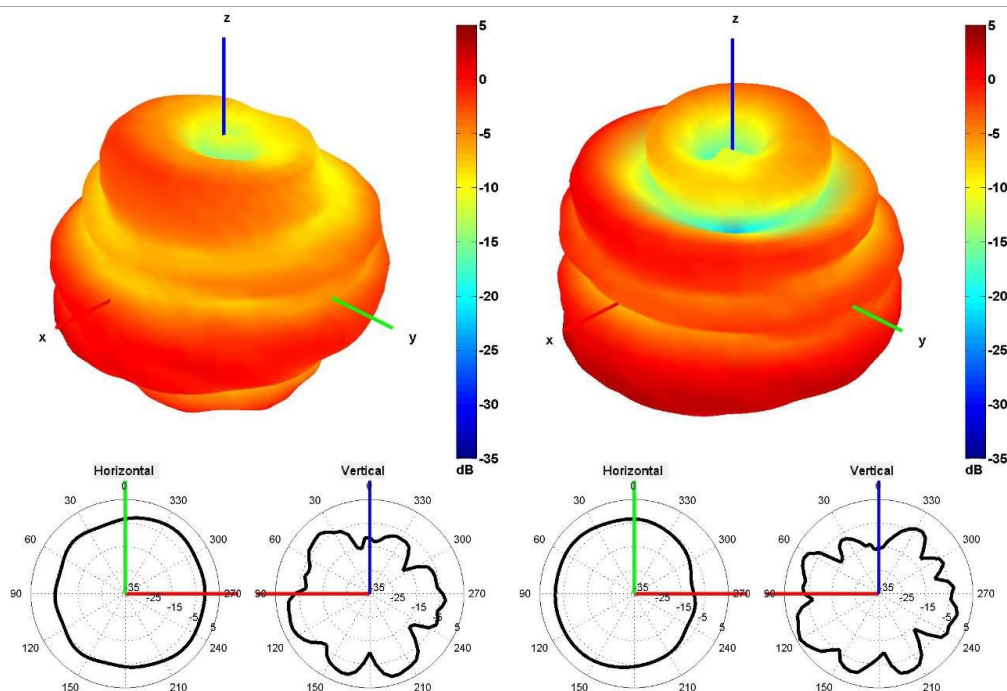
3. Antenna parameters



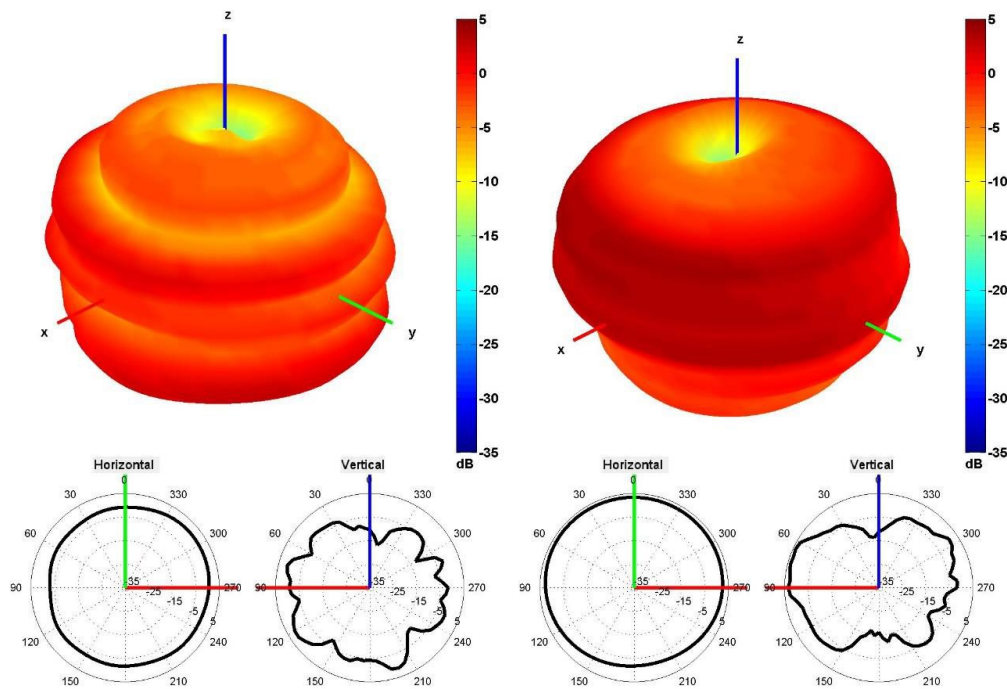




Radiation pattern reference



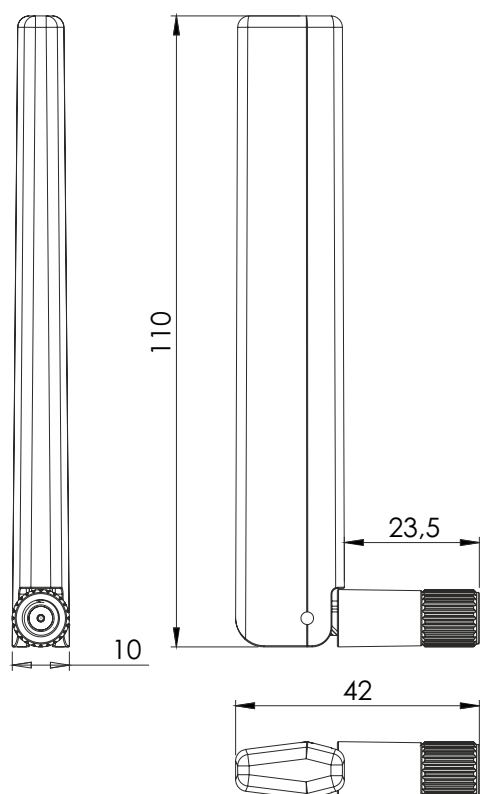
3500 and 4000 MHz Radiation pattern



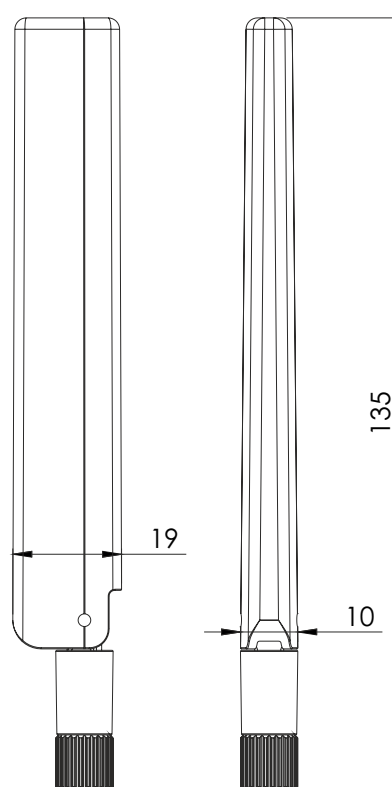
4500 and 6500 MHz Radiation pattern

4. Antenna drawings

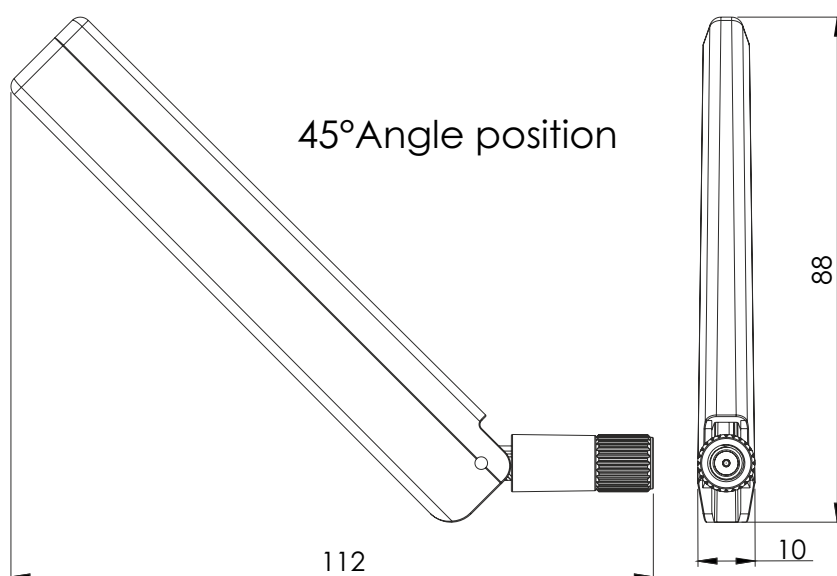
Right Angle position



Straight position



45°Angle position



5. Antenna Images

