



RKNBT001 ANTENNA SPECIFICATIONS

Version V1.0



Change History

Version	Description	Prepared by	Date
V1.0	1 st Edition	Colton Black	July 7, 2023

1. Antenna Specifications

1.1.PCB Trace Antenna Dimensional Drawing

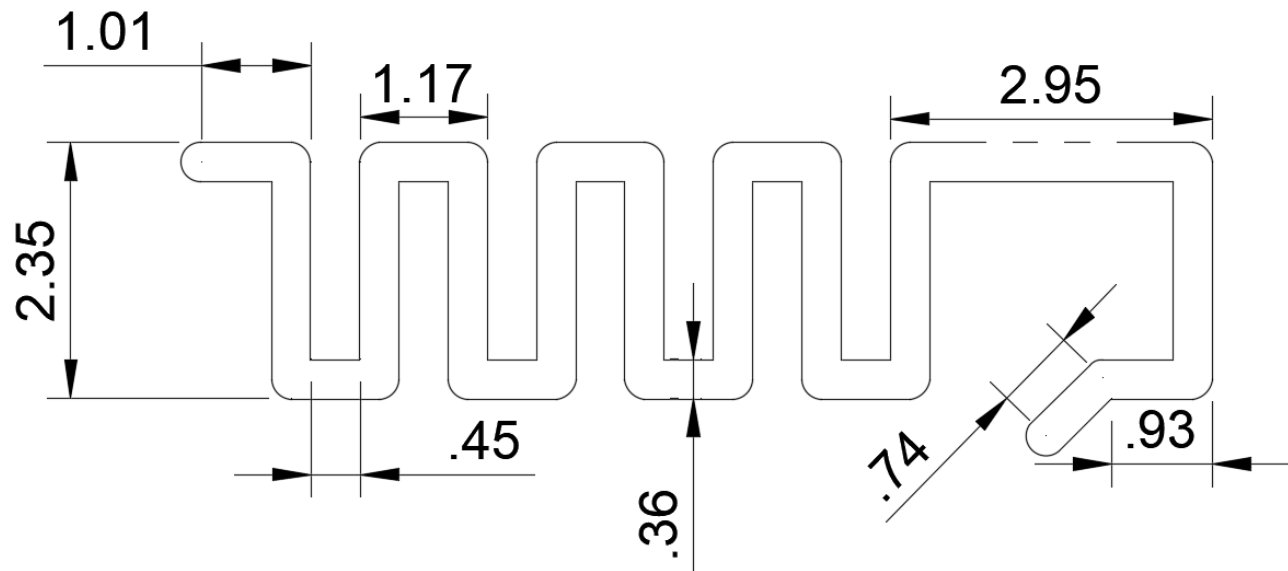


Fig 5.1.1 PCB trace Antenna dimensions



Fig 5.1.2 PCB Trace Antenna Top View

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	-3.68	-2.91	-2.34	-1.98	-1.66	-1.60	-1.77	-2.09	-2.60	-3.35	-4.10
Peak EIRP (dBm)	-3.68	-2.91	-2.34	-1.98	-1.66	-1.60	-1.77	-2.09	-2.60	-3.35	-4.10
Directivity (dBi)	4.98	5.11	5.12	5.02	4.93	4.76	4.58	4.38	4.11	3.77	3.42

Free Space EIRP (2450 MHz) - XY Cut

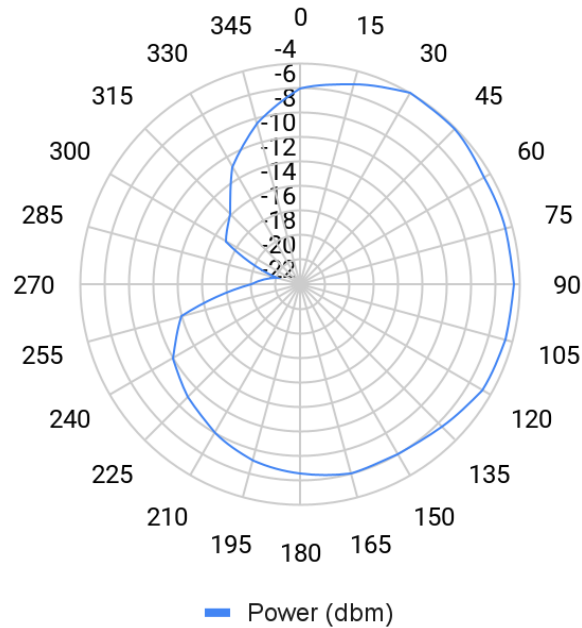


Fig 5.1.3 Free Space EIRP (2450 MHz) - XY Cut

Free Space EIRP (2450 MHz) - XZ Cut

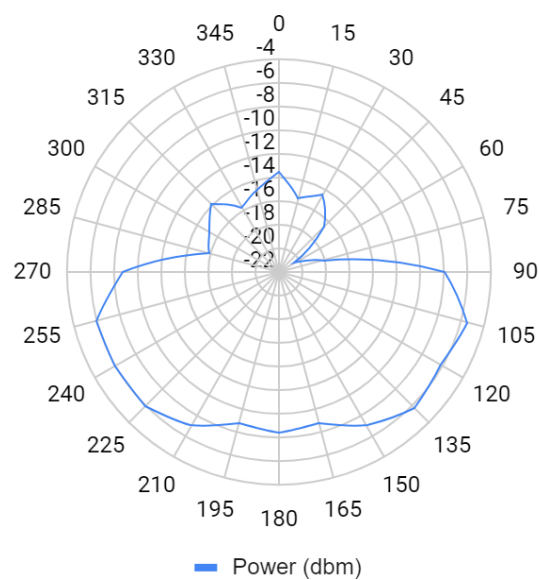
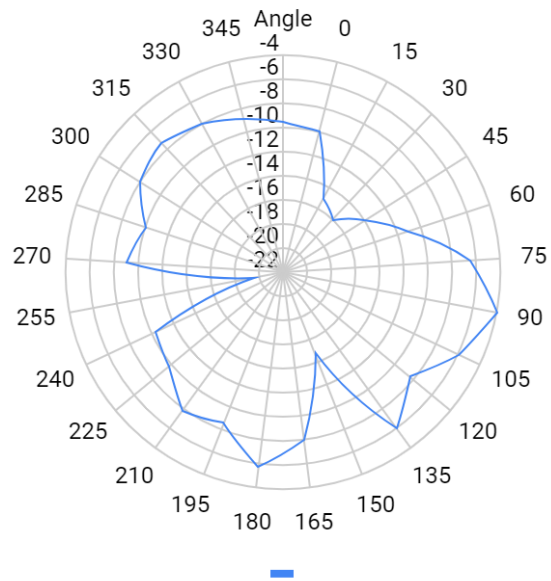


Fig 5.1.4 Free Space EIRP (2450 MHz) - XZ Cut

Free Space EIRP (2450 MHz) - YZ Cut

*Fig 5.1.5 Free Space EIRP (2450 MHz) - YZ Cut*