

NFC ANTENNA

HVIN: MT6 Quantum IV

FCC ID: SAPQUANTUMIV

The NFC antenna has an operating frequency of 13.56 MHz $\pm$ 7 kHz made of custom PCB traces antenna.

Manufacturer: dormakaba Canada Inc.

Model number: TP65-R44-R46

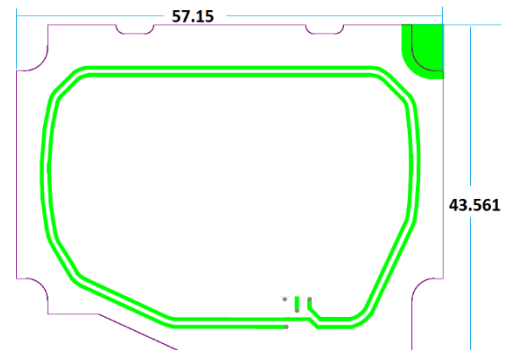
Connector type: PCB

RF Power: MAX 125 mW

Type of modulation: ASK

Rectangular QT-NFC

Antenna information	
Number of layers with identical windings, connected in series	2
Number of windings per layer	2
Antenna Width	34.671 mm
Antenna Length	50.419 mm
Trace Spacing	1.016 mm
Trace Width	0.508 mm
Material	Copper
PCB thick	1.600 mm



Dimension in millimeters

Antenna Inductance	$L_A = 1.7 \mu\text{H}$
Antenna Resistance	$R_A = 0.63 \Omega$
Antenna turns	4 turns $\times$ 111.4491 mm