

ACM1281S-C7 Antenna Description

- A conductor loop is used as inductive antenna to generate a magnetic alternating field in reader devices.
- The antenna is connected to a contactless transceiver chip via a matching network as shown in Figure 1.
- The conductor loop is a built in PCB coil as shown in Figure 2.

Model:	ACM1281S-C7		
Transmitter Frequency:	13.56 MHz ± 7 kHz		
Receiver Frequency:	13.56 MHz ± 7 kHz		
Type of Modulation:	ASK, BPSK		
Antenna information:	Antenna Name	Model(s)/Type(s)	
	RF Antenna Assembly	Model/Part Number:	ACM1281S-C7
		Manufacturer:	ACS
		Frequency Range:	13.56 MHz ± 7 kHz
		Connector Type	built-in
		Antenna Type/Pattern:	inductive antenna
		Measurement:	63.4 mm x 54.5 mm x 1.0mm

Table 1

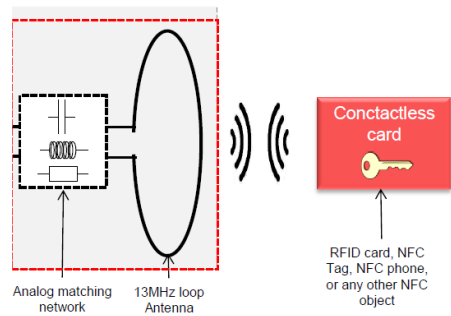


Figure 1

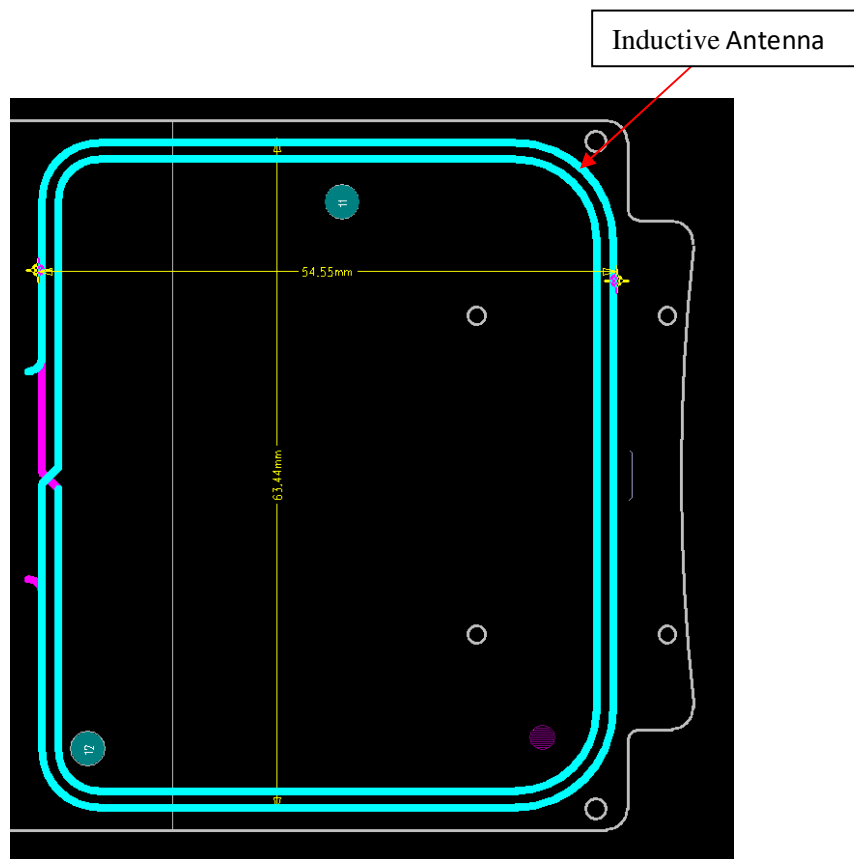


Figure 2