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13/06/2016

ANTENNA INFORMATION

Prox'n'roll HSP PCSC

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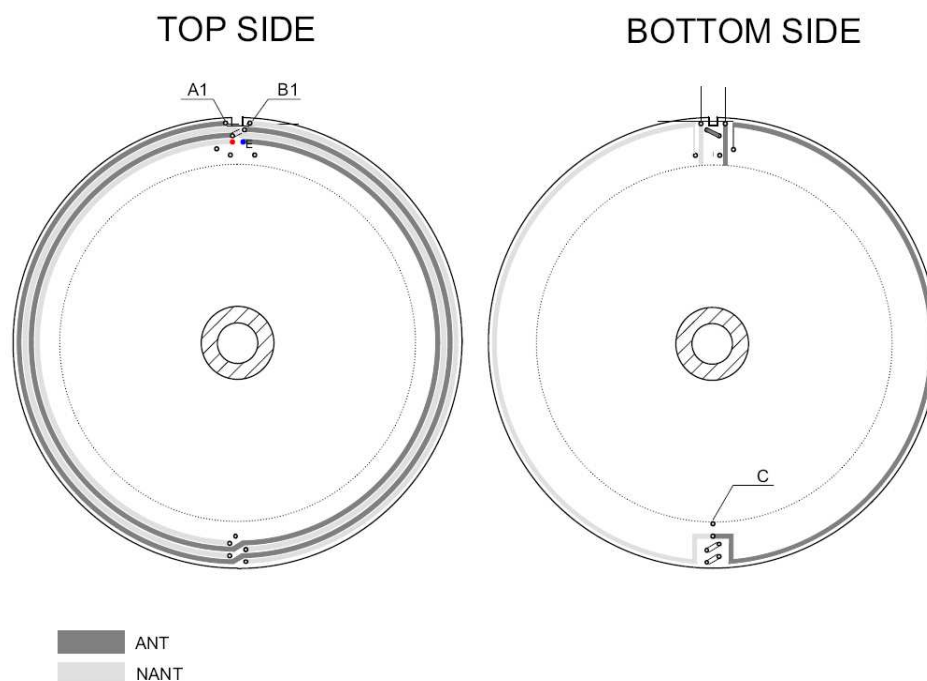
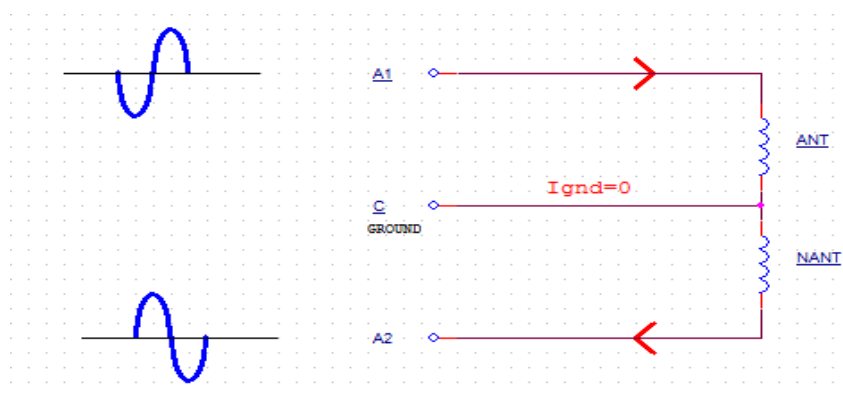
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ANTENNA DESCRIPTION

1.1. ABSTRACT

The Prox'n'roll HSP antenna is an N turn loop symmetrical topology with middle point grounded. This antenna is driven by two opposite phase signals :



1.2. MECHANICAL CHARACTERISTICS

Designation	Value	Units
Overall coil diameter	54,7	mm
Number of turns	5	U
Track width	1	mm
Gap between track	0,25	mm
Thickness track	35	μm

1.3. ELECTRICALS CHARACTERISTICS

Designation	value	Units
Inductance	2,09	μH
Serial resistor	0,9	Ω
Self resonance	37	Mhz
Equivalent parallel resistor	20	KΩ

Antenna Gain	-67	DBi
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