Nedap NVR2002 RFID Transceiver

FCC Antenna Information

Version	0.2
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NVR2002

Description : 865.7 – 867.5MHz, 900 – 930MHz RFID Transceiver
Antenna type : Stacked patch antenna

Primary patch

Material : Copper on PCB
Material Thickness : 35 µm
Dimensions : 20 cm x 20 cm
Board Thickness : 2.47 mm

STACKUP		
↓↓ Top ↓↓		
CuOuter	0,0350	mm
Core	2,4000	mm
CuOuter	0,0350	mm
↑↑ Bottom ↑↑		

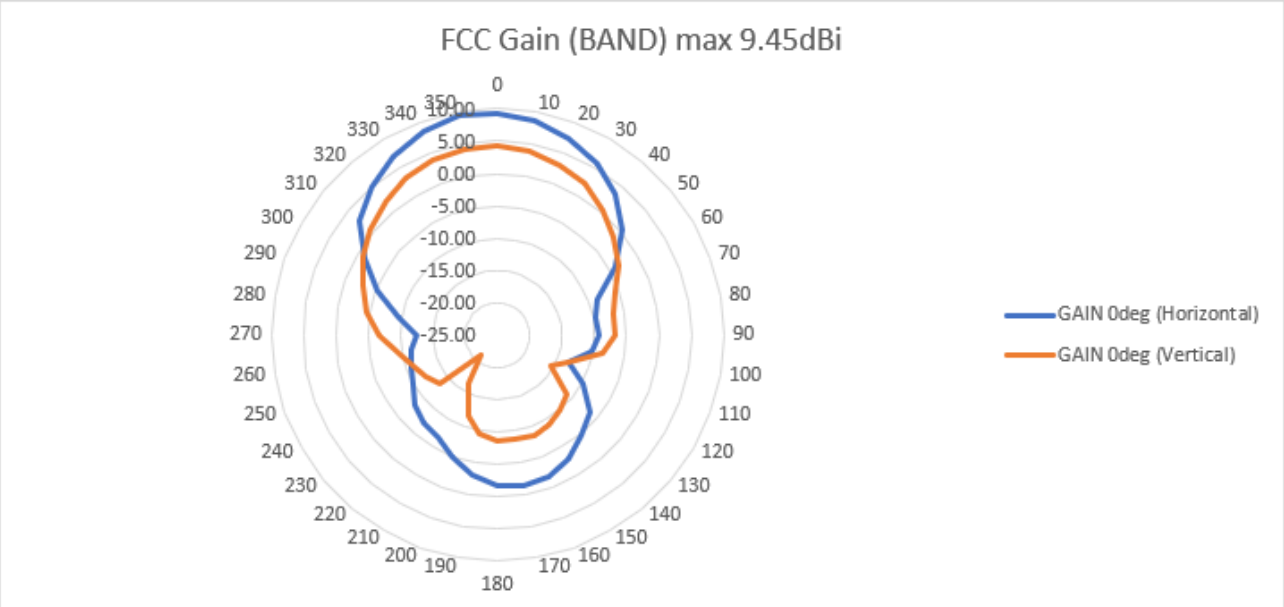
Fig 1: Primary board spec.

Parasitic patch

Material : Copper on PCB
Material Thickness : 35 µm
Dimensions : 15 cm x 15cm
Board Thickness : 1.07 mm

STACKUP		
↓↓ Top ↓↓		
CuOuter	0,0350	mm
Core	1,0000	mm
CuOuter	0,0350	mm
↑↑ Bottom ↑↑		

Fig 2: Parasitic board spec.

Stack
Primary patch stacked with parasitic patch and an aluminium mounting plate.
Distance between patches : 20 mm

Radiation pattern