

Declaration concerning Antenna Specification

It is hereby declared that the product

Model No.: ImpactX

FCC ID: YML-X7SERIES

fulfills the requirement in FCC test relating to the antenna type.

Provided by Eurofin s Product Service GmbH v.0.2 The device specified above confirms to the FCC recommendations for internal antenna types described below:

1. Model No. of antenna: Ethertronics M830510

Type of antenna: Permanently attached

Peak Gain of the antenna: 1.1 dBi (2.4 GHz band), 3.2 dBi (5GHz band)
Frequency range: 2400-2500 MHz and 4900-5800 MHz

Electrical Specifications

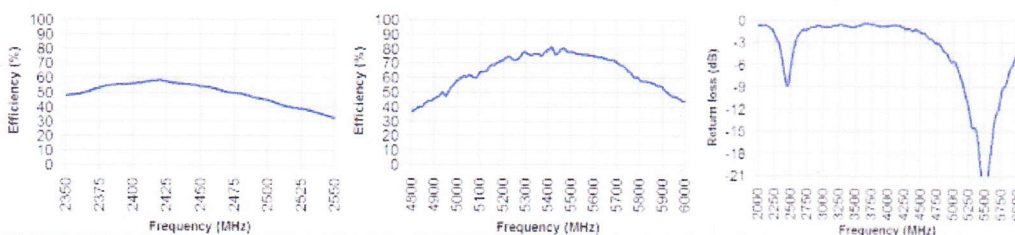
Typical Characteristics
(inside an enclosure)

WLAN a/b/g Antenna	2.4–2.5 GHz (b/g)	4.9–5.8 GHz (a)
Peak Gain	1.1 dBi	3.2 dBi
Average Efficiency	54%	69%
VSWR Match	2.6:1 max	3.0:1 max
Feed Point Impedance	50 Ω unbalanced	

Mechanical Specifications

Size	8.00x3.00x1.33mm
Mounting	Surface mount
Weight	.2 grams
Packaging	Tape & Reel

Typical Efficiency, Return Loss



2. **Model No. of antenna: Calvus GSM SMD A10340**

Type of antenna: Permanently attached

Peak Gain of the antenna: 1.7 dBi at 862 MHz, 3.0 dBi at 1848 MHz

Frequency range: 824-960 MHz and 1710-2170 MHz

	Typical performance	Conditions
Peak gain	1.7 dBi @ 862 MHz 3.0 dBi @ 1848 MHz	All data measured on Antenova's reference board, part number A10340-U1 Data given for the 824MHz-960MHz and 1710MHz- 2170MHz frequency ranges
Average gain	-1.8 dBi 824 - 960 MHz -1.6 dBi 1710-2170 MHz	
Average efficiency 824-960 MHz 1710-2170 MHz	66% 69%	
Maximum Return Loss	-6dB	
Maximum VSWR	3:1	

Provided by
Eurofin
s
Product
Service
GmbH
v.0.2

The mounting of the antennas are fixed to the radio modules and no other antenna should be used.

Company name: BARTEC PIXAVI AS

Address: Domkirkeplassen 2

City: Stavanger

ZIP / Postal code: 4006

Country: Norway

Place: Stavanger

Date: 14/8 2014

Signature:



Nils Erik Dahlen, Software Manager