



**Sensata**  
Technologies

# ANTENNA ISOTROPIC PEAK GAIN PATTERN

*ATFPG3 314.9MHZ SENSOR*

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## i. ABBREVIATIONS / GLOSSARY

<b>TERM</b>	<b>EXPANSION/MEANING</b>
<i>dBi</i>	Decibel Isotropic

## ii. SUPPORTING DOCUMENTS

<b>REFERENCE</b>	<b>ISSUE</b>

## iii. DOCUMENT HISTORY AND STORAGE

<b>DOCUMENT NAME</b>	<b>LOCATION</b>

## 1. Introduction

This document shows the antenna pattern and antenna gain of **ATFPG3 314.9MHz** transmitter.

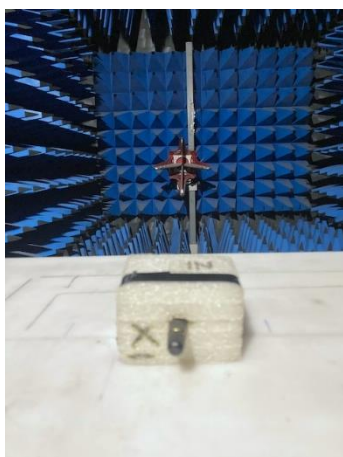
### Picture(s) of transmitter:



**ATFPG3 314.9MHz**

### Description of transmitter positioning:

All measurements are done in Anechoic Chamber at 3m with TX on table in 3 positions as follow:



**Pos. 1**



**Pos. 2**



**Pos. 3**

## *2. Antenna gain*

**Test equipment used:**

Category	Mark	Type
Anechoic Test Site	Sensata	
Spectrum analyser	Anritsu	MS2830A
Coaxial cable		RG214U 50 Ohm 11m
Open Boundary Quad-Ridged Horns antenna	ETS Lindgren	3164-06

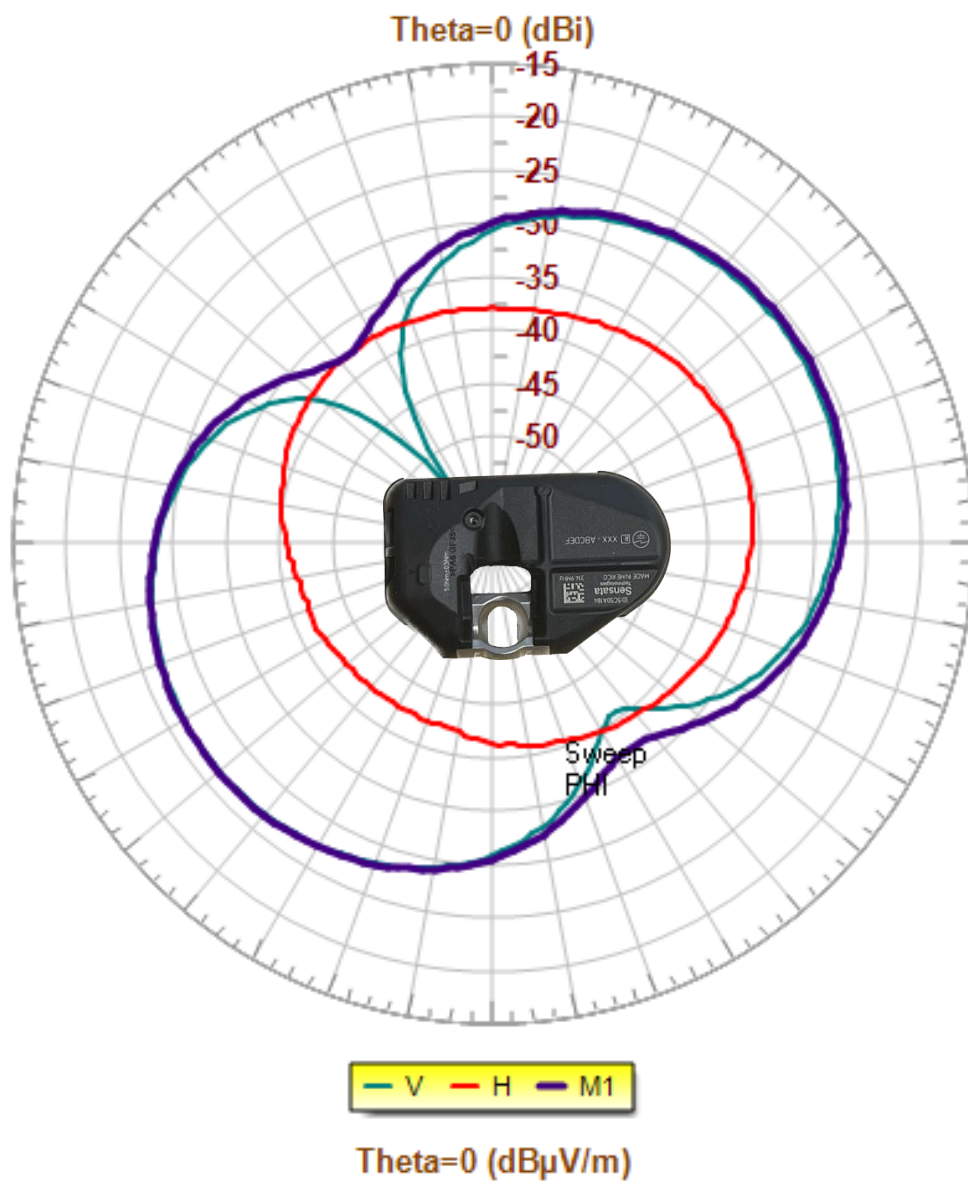
**Conditions:**

The test is performed in anechoic test site. The Transmitter is placed on a rotating table in continuous learn emission (EMC).

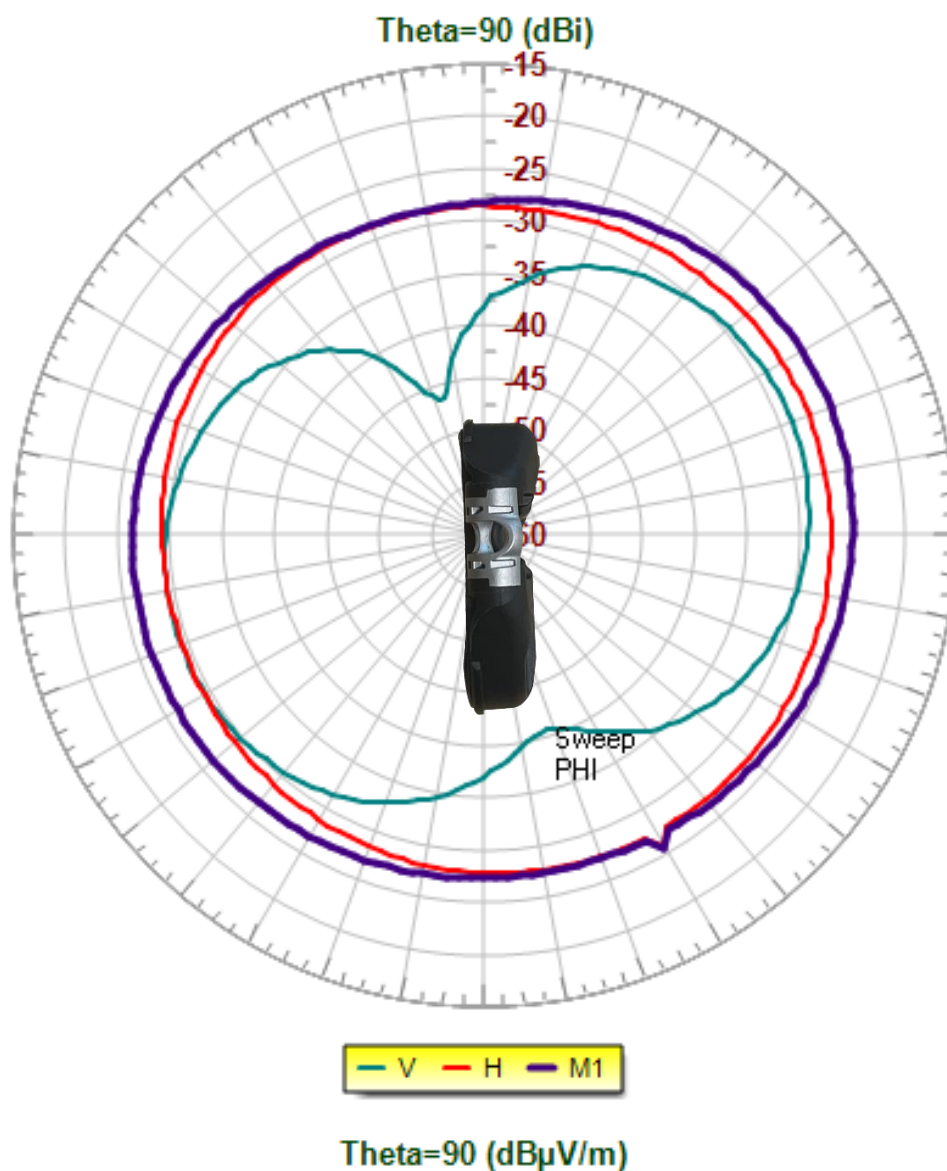
**Peak antenna gain: -24.6**

*Gain in dBi Position 0 polarisations V, H and Module*

**ATFPG3 314.9MHz**



*Gain in dBi Position1 polarisations V, H and Module*  
**ATFPG3 314.9MHz**



*Gain in dBi Position2 polarisations V, H and Module*

**ATFPG3 314.9MHz**

