



Antenna Isotropic Peak Gain Pattern Ford SI Gen6 433.92MHz FP4

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i. ABBREVIATIONS / GLOSSARY

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

ii. SUPPORTING DOCUMENTS

<i>REFERENCE</i>	<i>ISSUE</i>

iii. DOCUMENT HISTORY AND STORAGE

<i>DOCUMENT NAME</i>	<i>LOCATION</i>

1. Introduction

This document shows the antenna pattern and antenna gain of **Ford SI Gen6 433.92MHz FP4** transmitters.

Description of transmitter positioning:

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



Pos. 0



Pos. 1



Pos. 2



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2. Antenna gain.

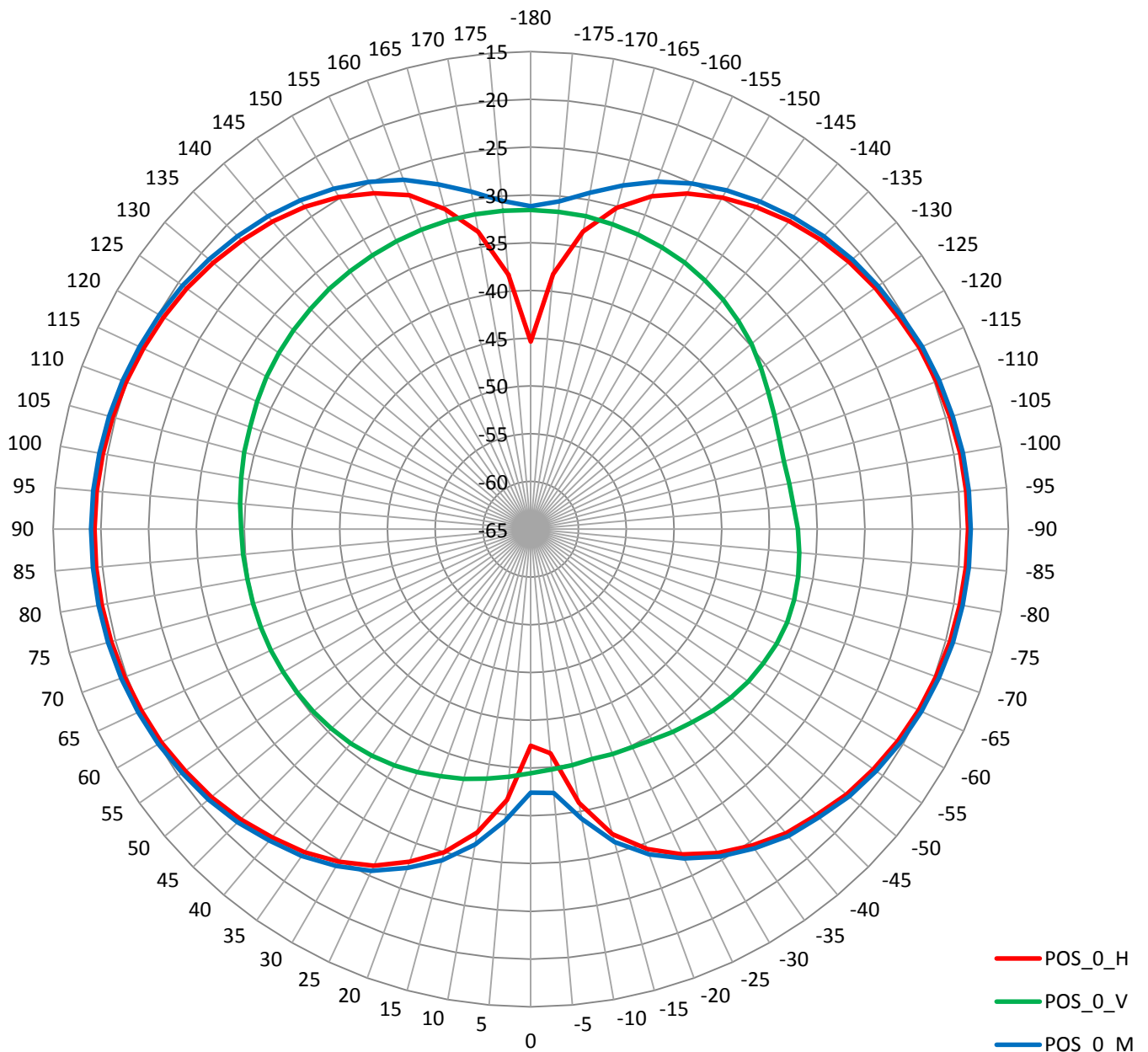
Test equipment used:

Category	Mark	Type
Anechoic Test Site	Schrader Electronics	
Spectrum analyzer	Agilent	E4404B
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 turntable.

Gain in dBi Position 0 polarisations V , H and Module





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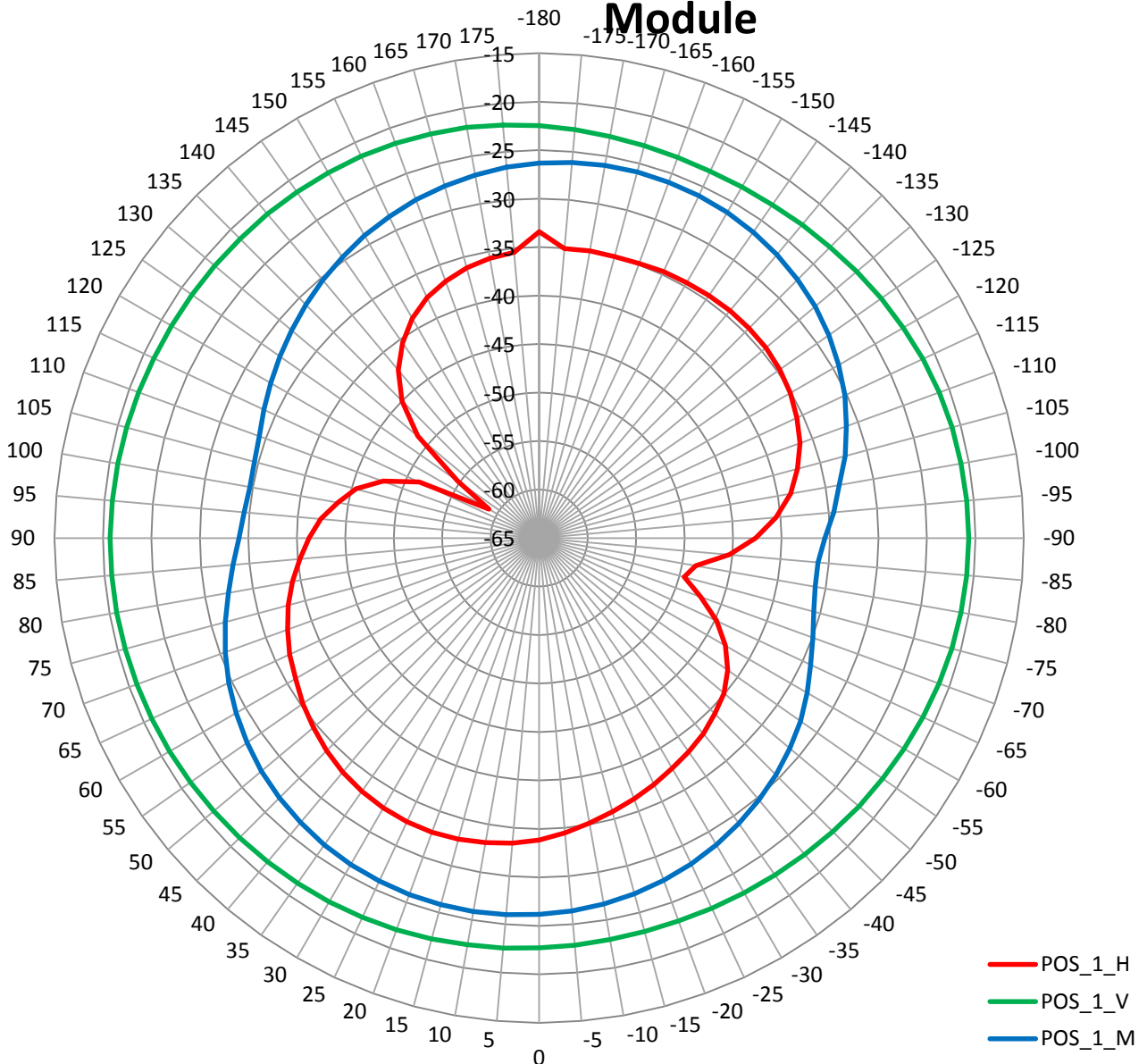
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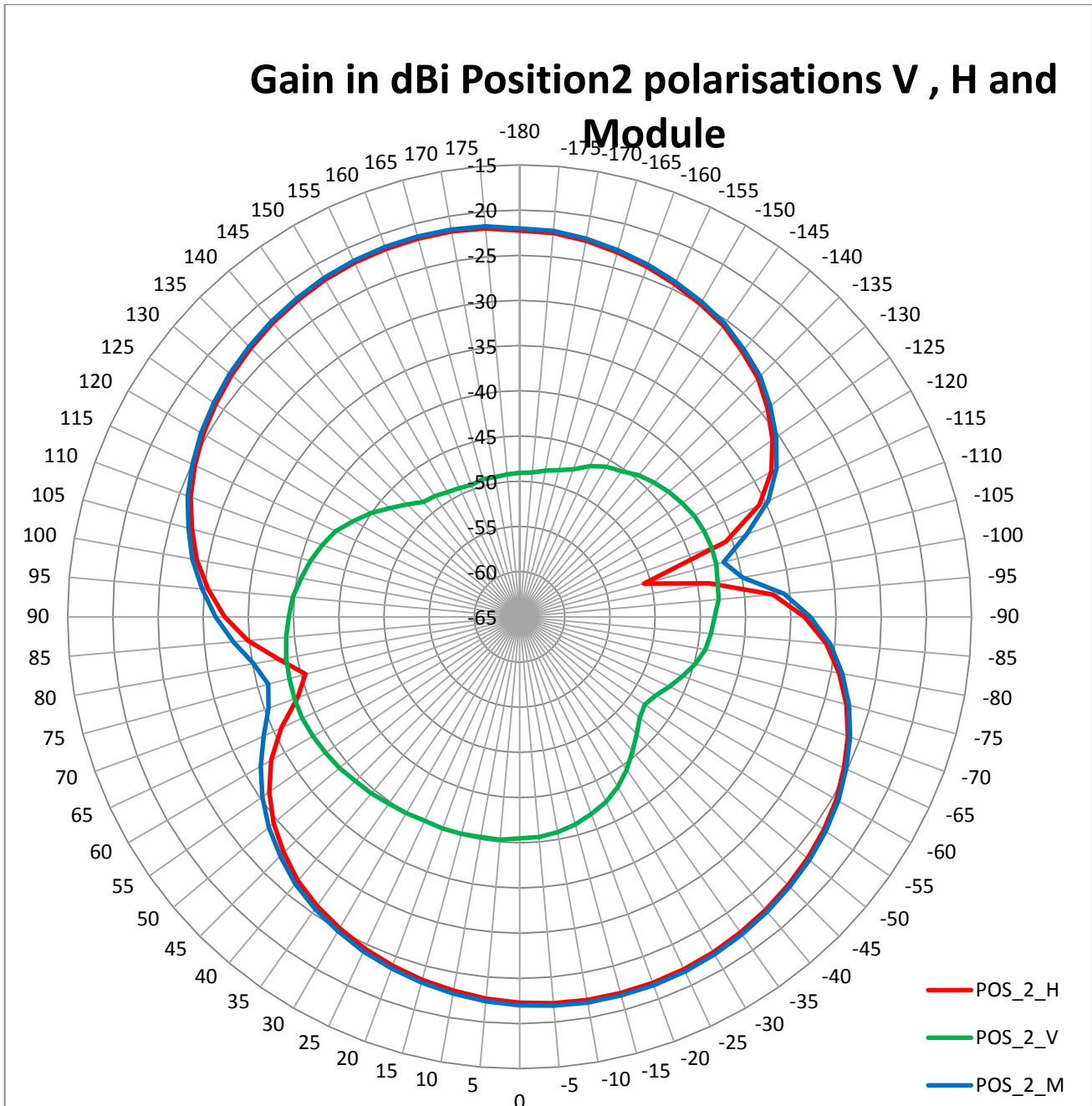
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Gain in dBi Position1 polarisations V , H and Module





Peak antenna gain: -18.9dBi