

APPROVAL SHEET

Customer Name: *Compal Electronics, Inc.*

Date: 2021/01/28

Doc. Version: AO

OEM P/N	
HLN P/N	260-25083
Description	PiFA Antenna
Version	

Provided By Hong-Lin Technology	Reviewed By Hong-Lin Technology	Approved By Customer

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1.Introduction

1.1 Antenna

1.1.1 Location: Base

1.1.2 Cable Length: L=300mm;

Connector: I-PEX MHF 4L Plug for OD 1.13mm (20565-001R-13)

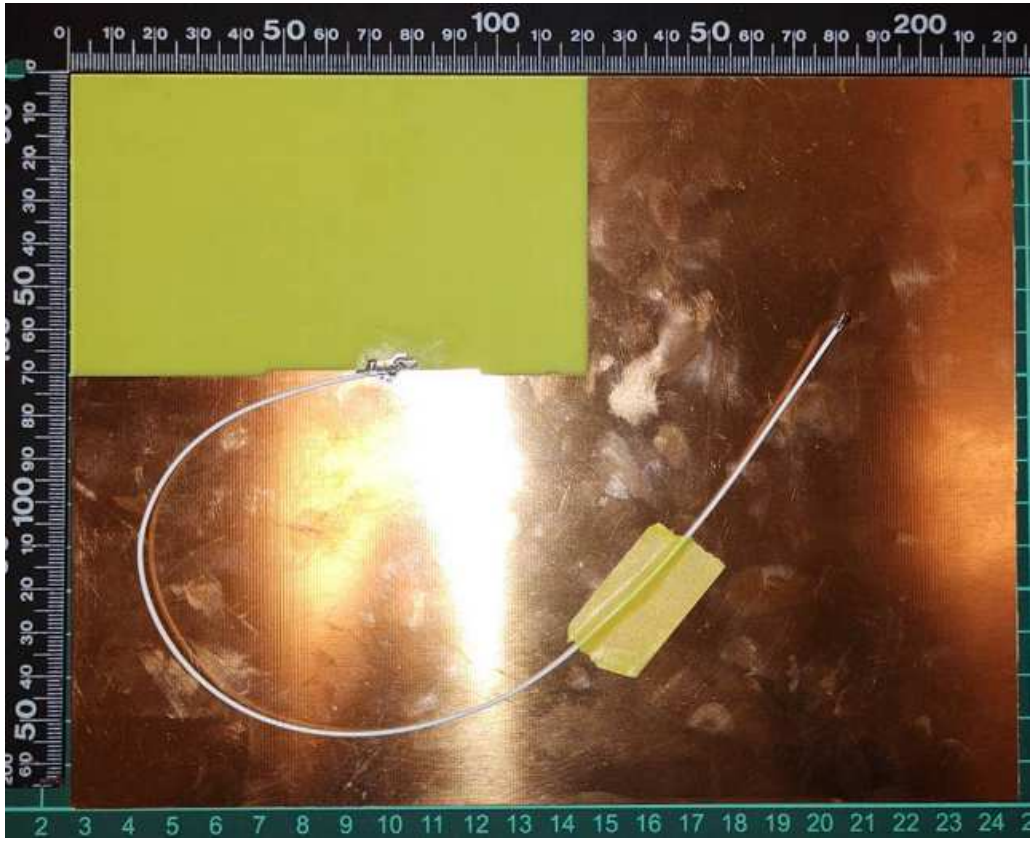
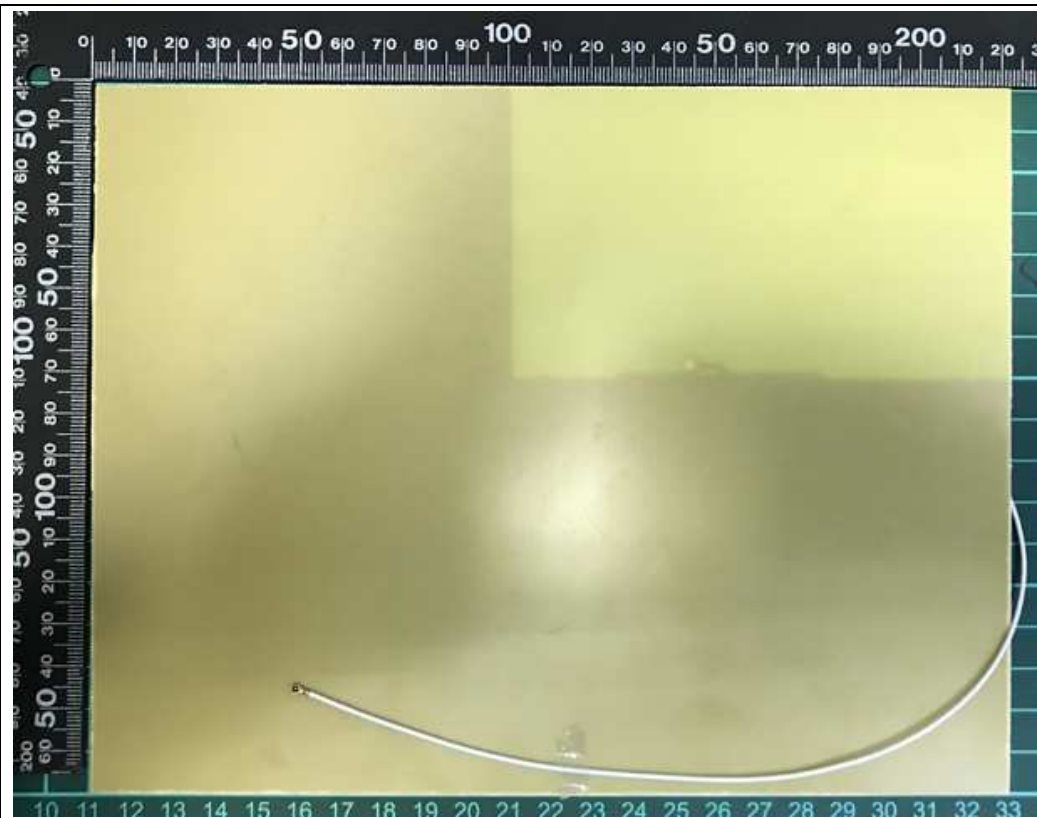
	WiFi PIFA
Antenna Type	PIFA
Cable	1.13 LLS WiFi White Cable
Photo Front	

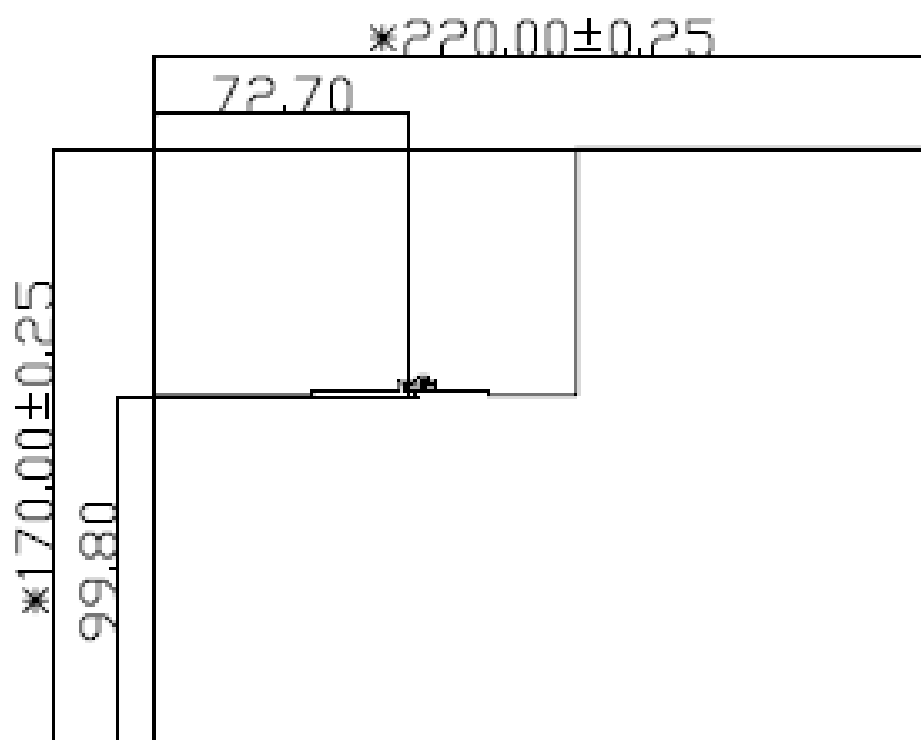
Photo Back



2.Revision History

Date	Version	Revision History
2021/01/21	A0	New Release

3.1 Mechanical Specifications

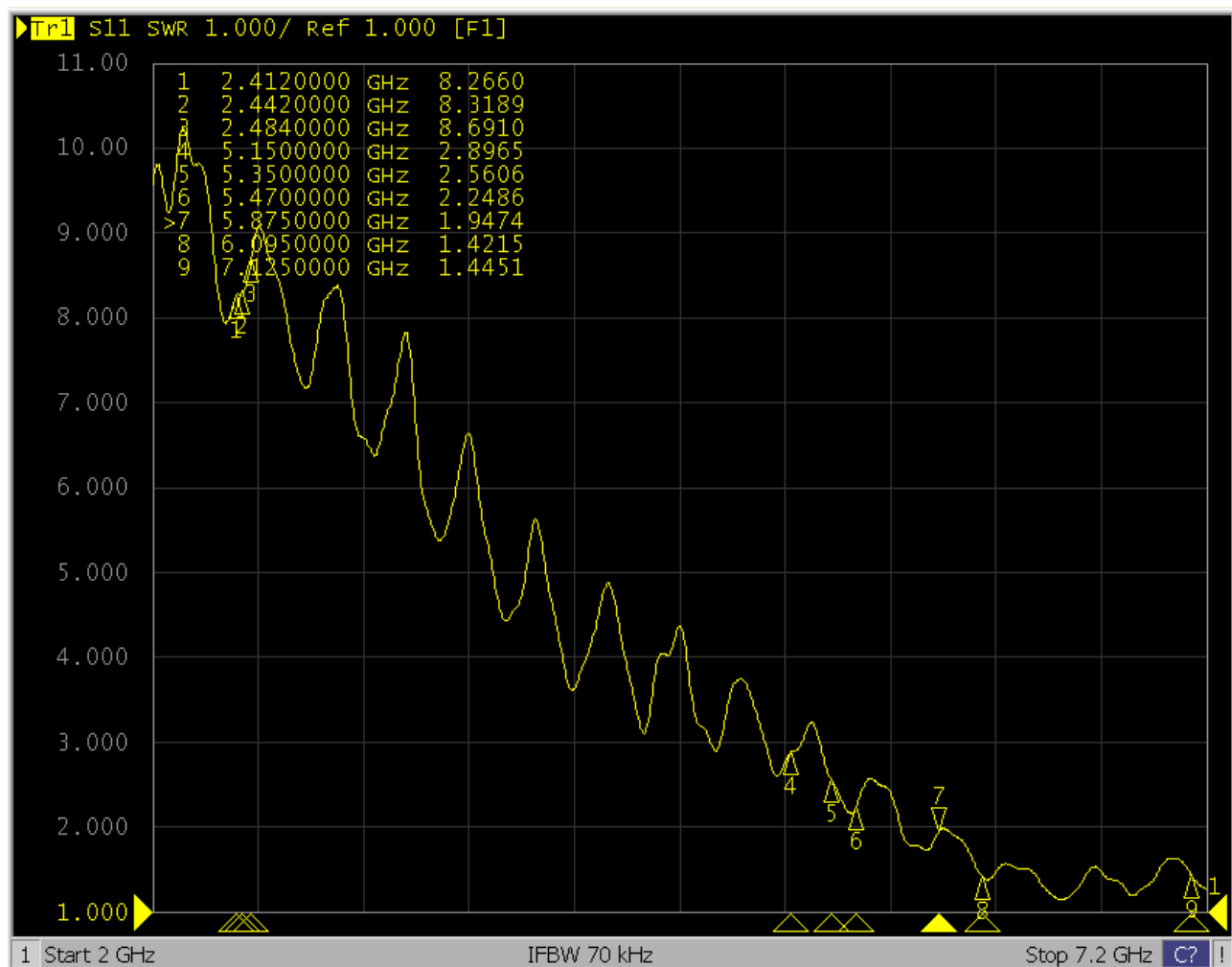


3.2 Antenna Material List

4.		6GHZ_ANT_PCB W170*L220 T=0.8MM (金安國紀)	1	
3.		6GHZ_ANT_Cable Ø1.13 LOW LOSS (White) (FEP)	1	神宇
2.		Ø1.5 L=20mm PE軟套管(熱膠套管) : 透明	1	
1.		MHF 4L Plug for OD 1.13mm (20565-001R-13)	1	I-PEX
NO.	SORT	SPECIFICATION	QTY	VENDOR

4 .Antenna Performance

4.1 VSWR



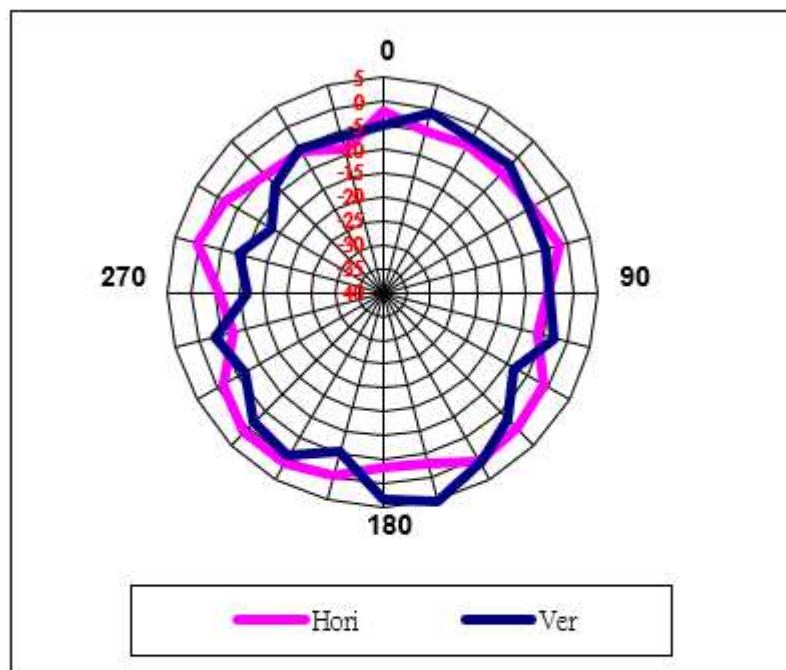
4.3 Antenna Pattern

Antenna Peak Gain Table:

Frequency (MHz)	Tx1 antenna		
	Horizontal	Vertical	Cable Loss
	(dBi)	(dBi)	
5850	1.19	5.09	1.29
5925	0.82	5.04	1.30
6085	0.22	5.03	1.31
6245	-0.38	5.14	1.32
6405	-0.13	5.08	1.35
6425	-0.13	5.09	1.35
6465	0.97	5.02	1.36
6525	1.75	5.08	1.38
6645	2.89	5.16	1.40
6795	3.47	5.09	1.43
6875	3.36	5.12	1.45
6975	4.73	5.09	1.47
7095	3.16	5.07	1.48
7125	3.56	5.07	1.50

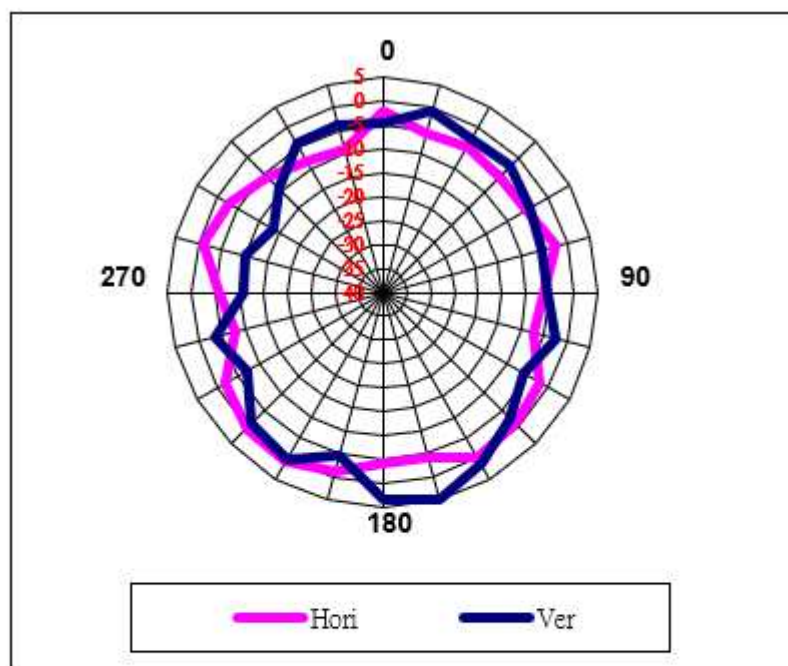
Section 3. Radiation characteristics of antennae Loaded in Host Platform

Ant : 5850 MHz



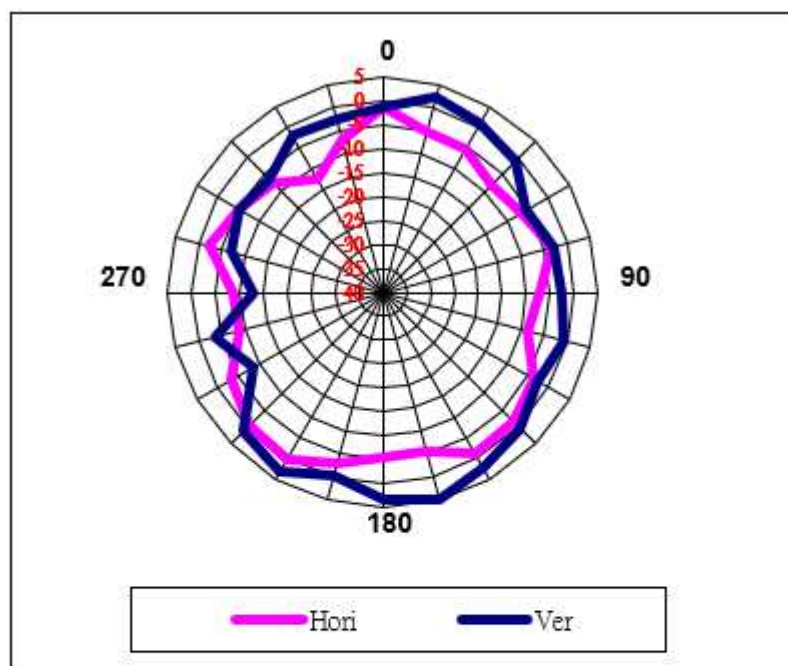
Frequency (MHz)	5850
Horizontal peak gain (dBi)	1.19
Vertical peak gain (dBi)	5.09

Ant : 5925 MHz



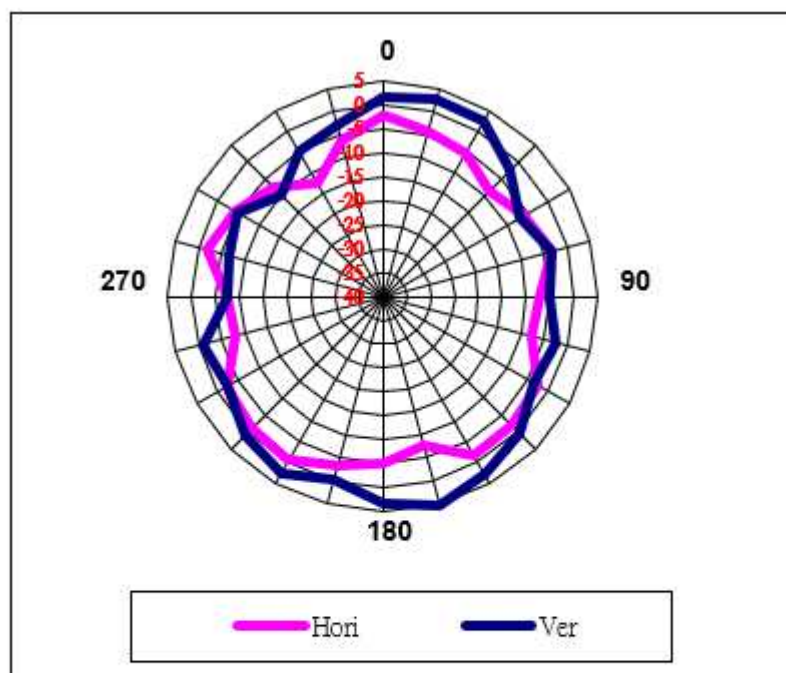
Frequency (MHz)	5925
Horizontal peak gain (dBi)	0.82
Vertical peak gain (dBi)	5.04

Ant : 6085 MHz



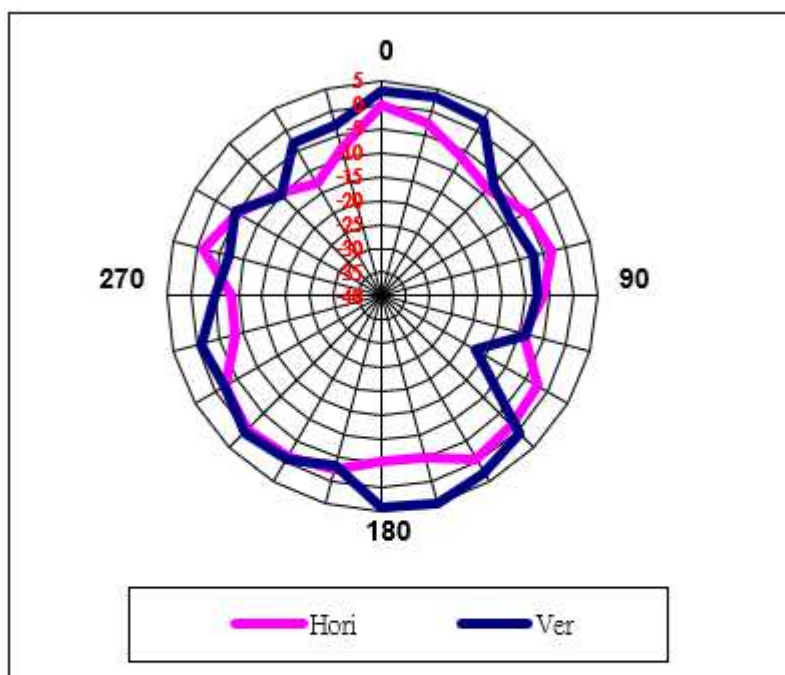
Frequency (MHz)	6085
Horizontal peak gain (dBi)	0.22
Vertical peak gain (dBi)	5.03

Ant :6245 MHz



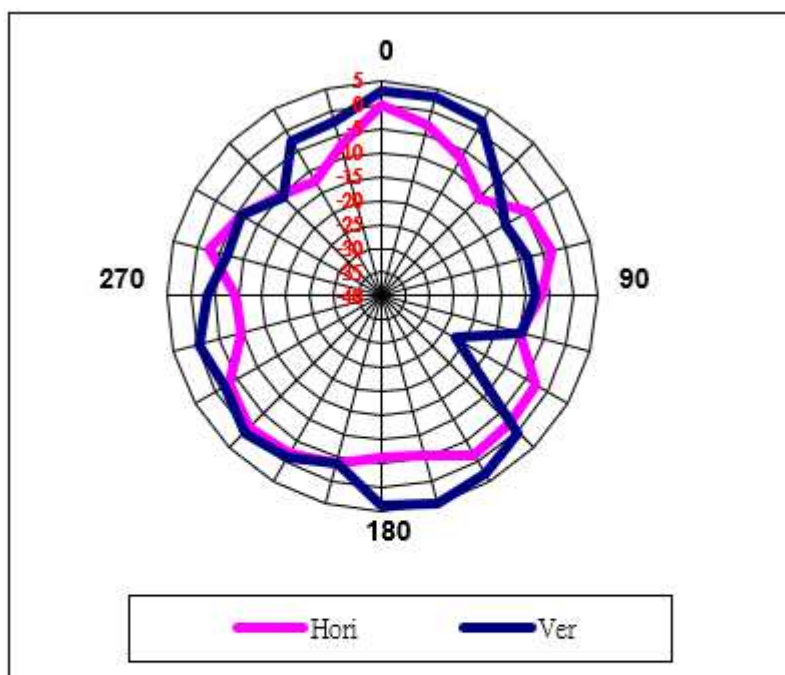
Frequency (MHz)	6245
Horizontal peak gain (dBi)	-0.38
Vertical peak gain (dBi)	5.14

Ant : 6405MHz



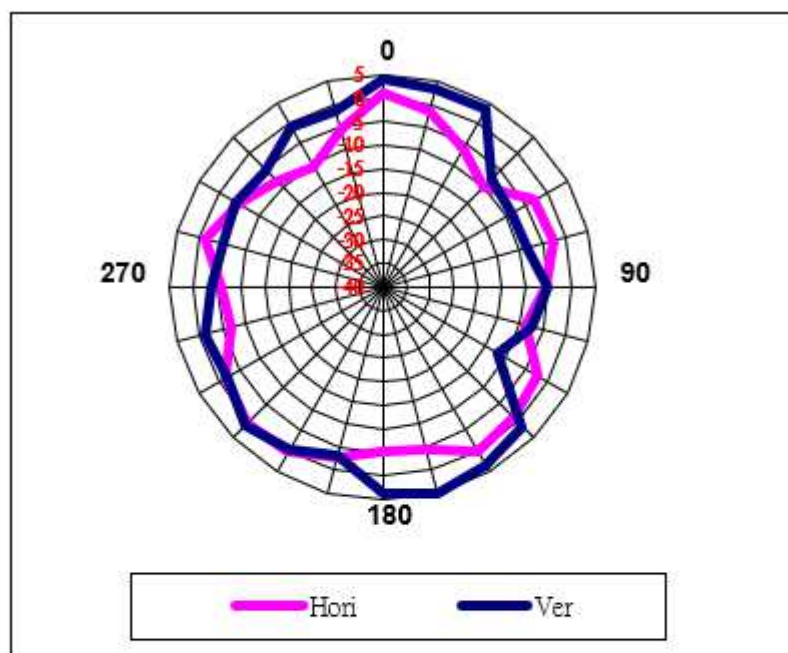
Frequency (MHz)	6405
Horizontal peak gain (dBi)	-0.13
Vertical peak gain (dBi)	5.08

Ant : 6425 MHz



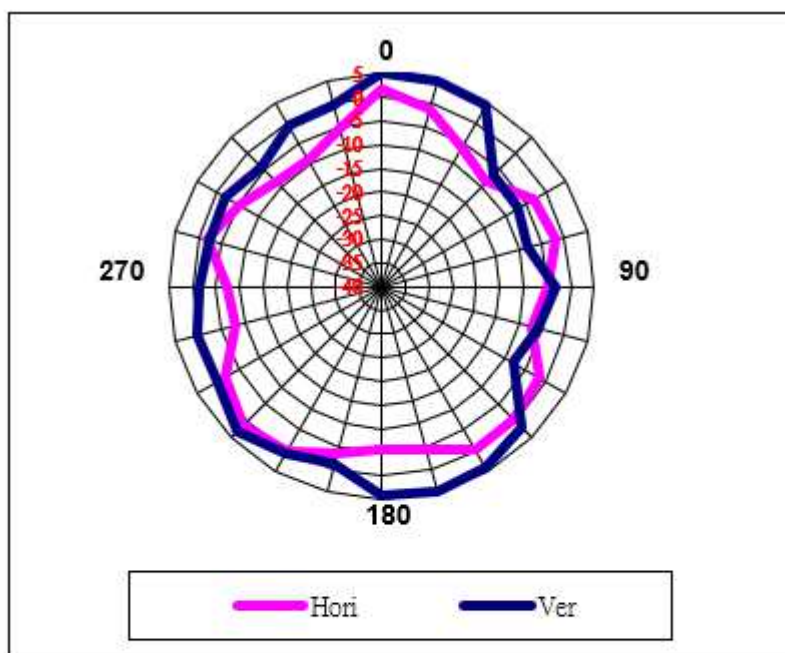
Frequency (MHz)	6425
Horizontal peak gain (dBi)	-0.13
Vertical peak gain (dBi)	5.09

Ant : 6465 MHz



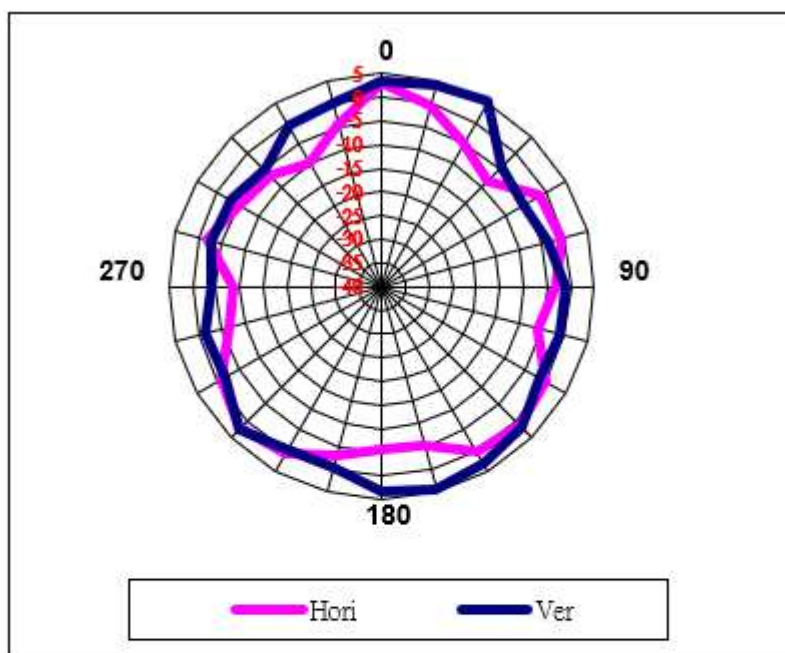
Frequency (MHz)	6465
Horizontal peak gain (dBi)	0.97
Vertical peak gain (dBi)	5.02

Ant : 6525 MHz



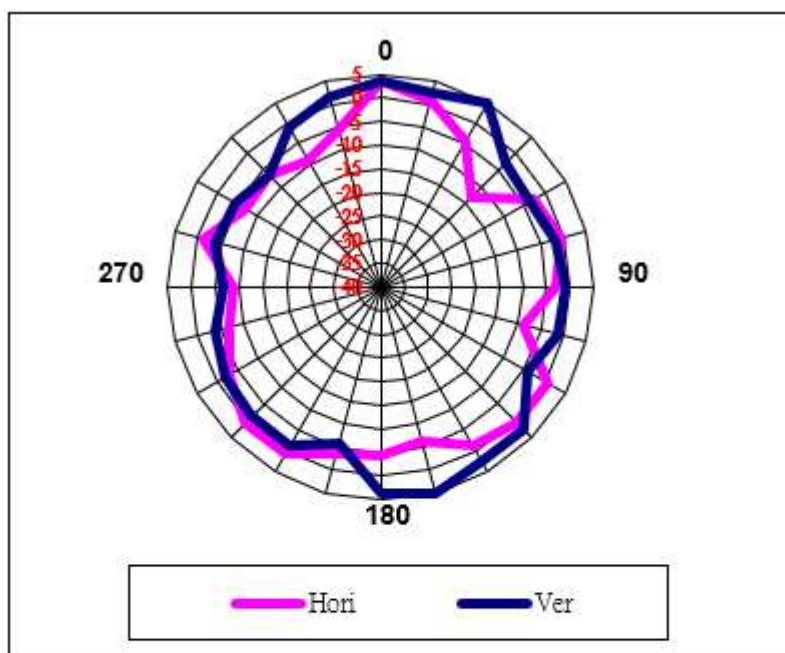
Frequency (MHz)	6525
Horizontal peak gain (dBi)	1.75
Vertical peak gain (dBi)	5.08

Ant : 6645 MHz



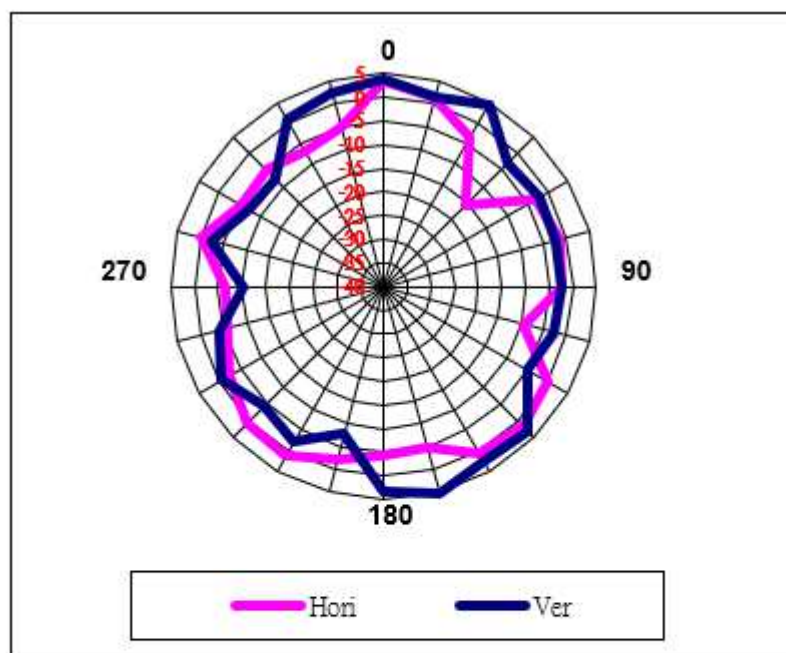
Frequency (MHz)	6645
Horizontal peak gain (dBi)	2.89
Vertical peak gain (dBi)	5.16

Ant : 6795 MHz



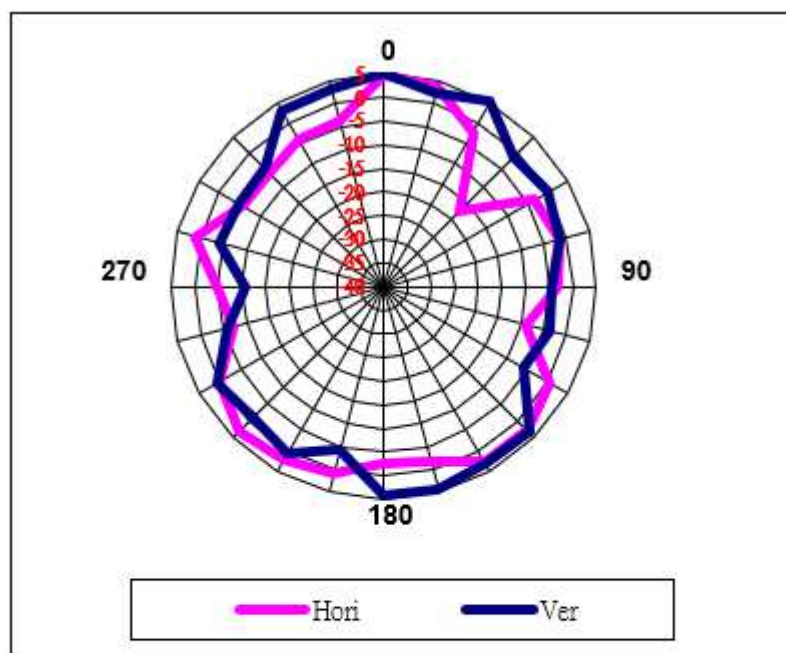
Frequency (MHz)	6795
Horizontal peak gain (dBi)	3.47
Vertical peak gain (dBi)	5.09

Ant : 6875 MHz



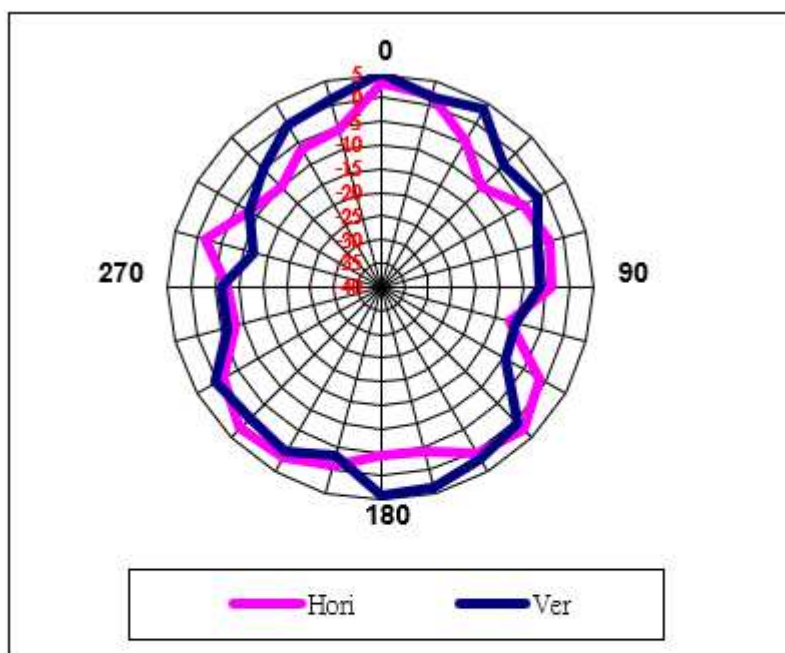
Frequency (MHz)	6875
Horizontal peak gain (dBi)	3.36
Vertical peak gain (dBi)	5.12

Ant : 6975 MHz



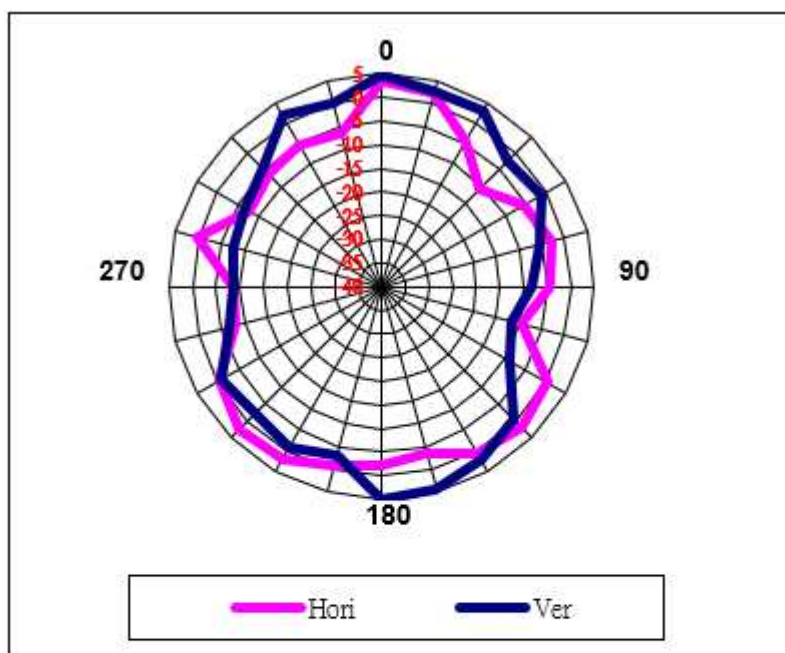
Frequency (MHz)	6975
Horizontal peak gain (dBi)	4.73
Vertical peak gain (dBi)	5.09

Ant : 7095 MHz



Frequency (MHz)	7095
Horizontal peak gain (dBi)	3.16
Vertical peak gain (dBi)	5.07

Ant : 7125 MHz



Frequency (MHz)	7125
Horizontal peak gain (dBi)	3.56
Vertical peak gain (dBi)	5.07