



福州市瀚宇正达电子有限公司

Word Easy Electronics Co.,Ltd.

规格承认书

SPECIFICATION FOR APPROVAL

日期 2024/09/26

Date

编号 24092601

File No

版本 1.0

Revision

客 户

远近传能

CUSTOMER:

客户料号

UNR-1_wifi_2.4G

CUSTOMER NO:

品 名

WIFI Antenna L=210mm MHF

PART NAME:

供方料号

WE061N.F0008.V01

SUPPLIER NO:

送样日期Date:

送样数量Q “TY:

客户确认CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

供方确认 SUPPLIER SIGNATURE

APPROVAL

CHECK

DESIGN

工程专用章
Hunter

Luo

Liu

WE-RD-F01-A



承认书项目表

NO.	内 容 (Contents)	页 数 (Number of Page)	页 码 (Page Code)
1	承认书封面 (Spec Cover)	1	1
2	承认书项目表 (Spec Item)	1	2
3	工程成品图 (Drawing)	1	3
4	天线规格 (Antenna Specification)	1	4
5	S参数测试 (S Parameter)	1	5
6	有源测试 (Active Test)	1	6
7	无源测试 (Passive Test)	1	7
8	天线辐射场型 (Antenna Radiation Pattern)	18	9 ~ 25
9	RoHS报告 (RoHS Test Report)	**	**
10	N/A	N/A	N/A
11	-	-	-
12	-	-	-

RoHS

Compatible

REV.

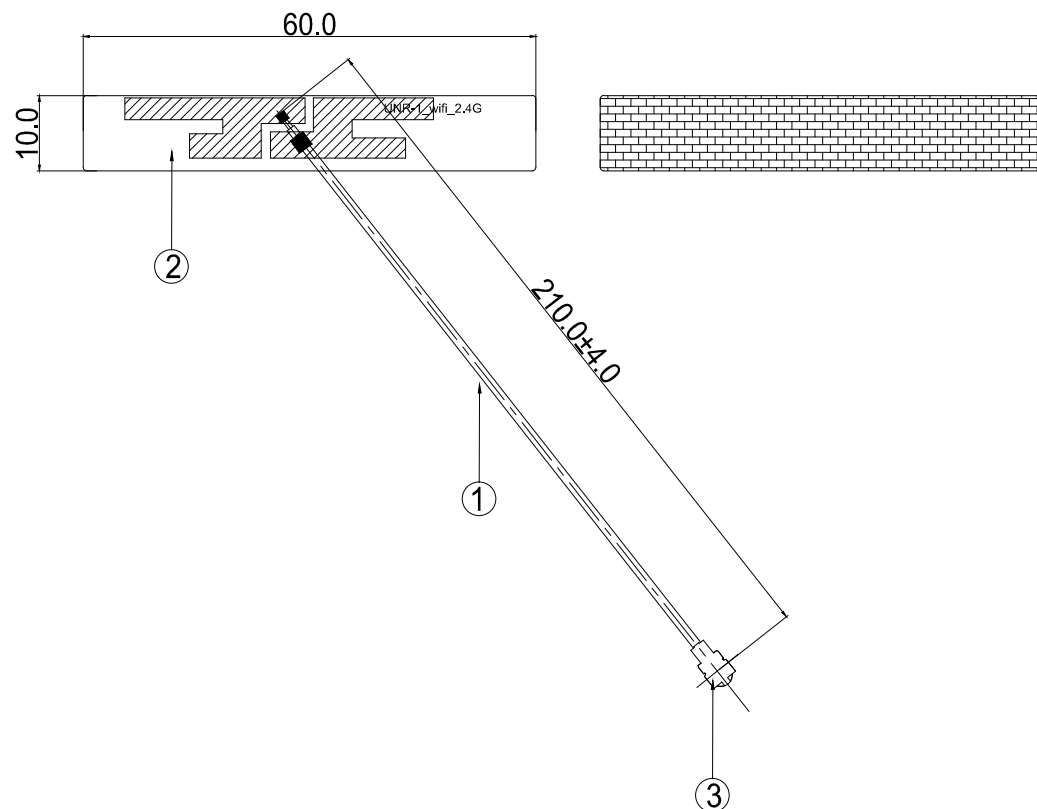
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DESCRIPTION

首次发行

DATE

2024.09.26



3	Mini Connector	Au Plated 1代	Cu	MET0XD1.V01	
2	FPCB	60.0*10.0*T0.4MM	FPCB	FPC0406.V01	1
1	Coaxial Cable	O.D.1.13 Black	O.D.1.13	CAB0113.V01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY



福州市瀚宇正达电子有限公司

World Easy Electronics Co.,Ltd.

Tel :0591-22628085

Fax:0591-22627656

PART NAME: WIFI Antenna L=210mm MHF

PART NO.: WE061N.F0008.V01

DATE: 2024-09-26

APPROVED BY

CHECKED BY

DESIGNED BY



UNITS: mm

SCALE: 1/1

REVISION: A

周红涛

Tolerance
X.X ±0.50
X.XX±0.15
X° ±3°



天线规格

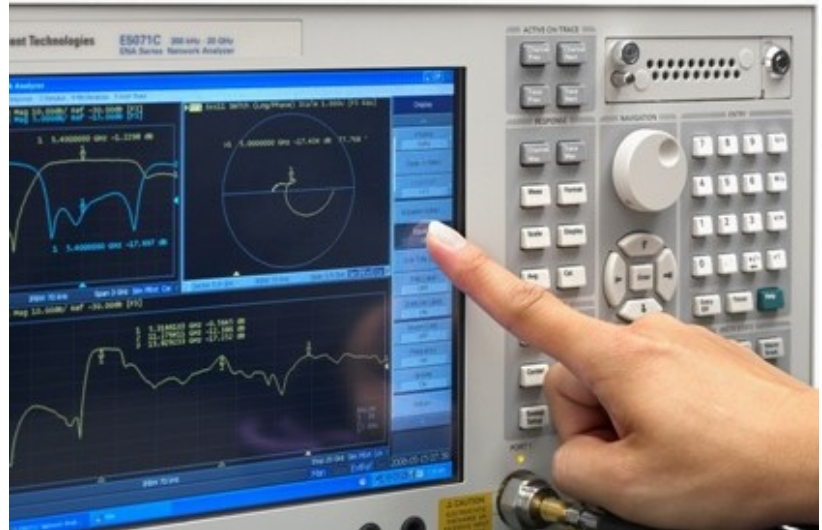
Antenna Specification

Electrical Properties	
Frequency	2400~2500MHz
Impedance	50 Ohm Nominal
V.S.W.R	See Page 5
Return Loss	See Page 5
Radiation	Omni-directional
Gain (Peak)	3.8dBi (MAX)
Polarization	Linear
Connector	1代I-PEX
Physical Properties	
Antenna Material	FPCB
Cable Type	O.D.1.13mm//L=210mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Black

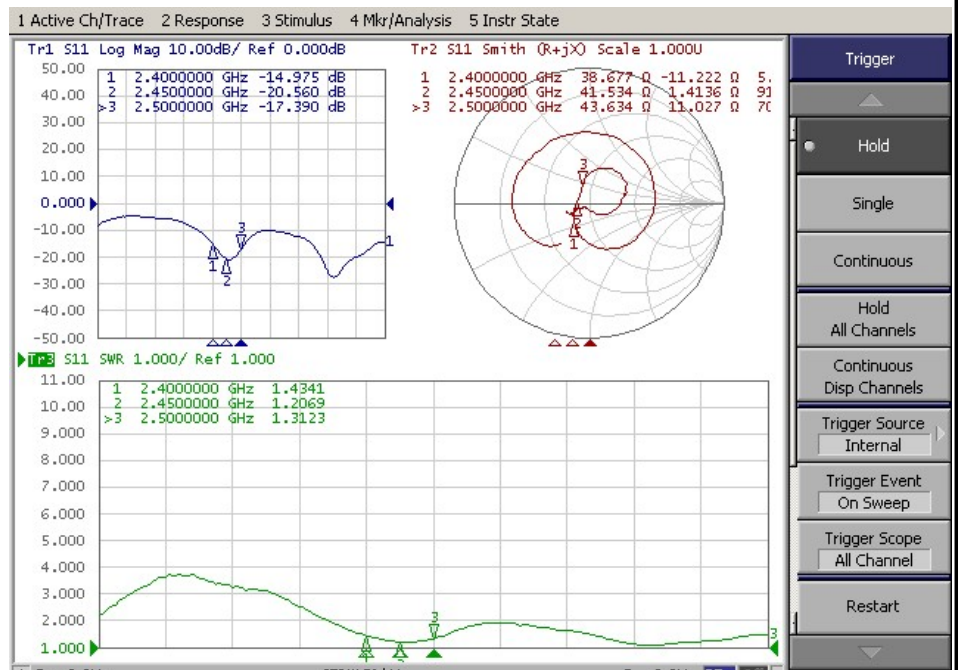


Antenna Performance Test

**Agilent
E5071C**



**S
Parameter
Test //
WIFI**





Antenna Active Test

OTA Test For WIFI

Band	Channel	Data Rate	TRP	EIRP	Data Rate	TIS	EIS
WIFI 2.4G 802.11b	1	11Mbps	16.2	21.3	11Mbps	-86.6	-90.9
	6		16.9	22.0		-85.9	-90.2
	13		16.7	21.3		-86.3	-90.6
WIFI 2.4G 802.11g	1	6Mbps	16.2	20.3	54Mbps	-73.4	-75.7
	6		16.7	20.9		-73.3	-76.4
	13		15.9	20.6		-73.0	-76.4
WIFI 2.4G 802.11n	1	MCS7	14.3	19.1	MCS7	-69.5	-73.6
	7		14.5	19.4		-69.7	-74.0
	13		13.7	18.8		-68.0	-72.8



Antenna Passive Test

Passive Test For WIFI

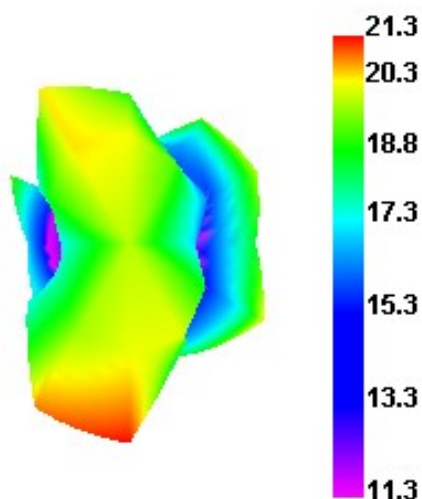
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	60.0	-2.2	2.6
2410	64.7	-1.9	3.1
2420	56.9	-2.5	2.7
2430	61.9	-2.1	3.4
2440	59.1	-2.3	3.2
2450	64.4	-1.9	3.8
2460	60.7	-2.2	3.5
2470	56.3	-2.5	3.3
2480	48.7	-3.1	2.6
2490	51.1	-2.9	2.9
2500	52.6	-2.8	2.9



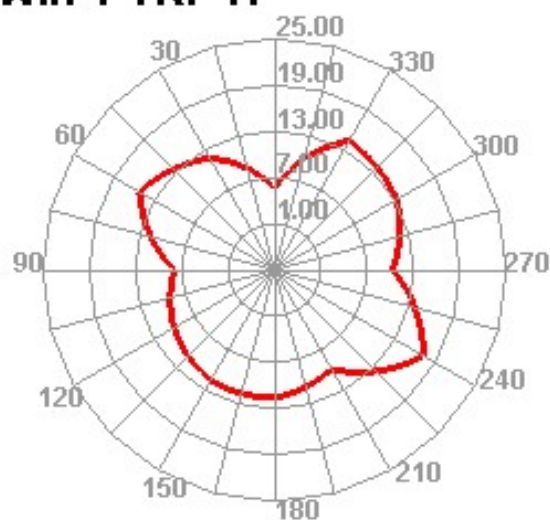
Antenna Radiation Pattern

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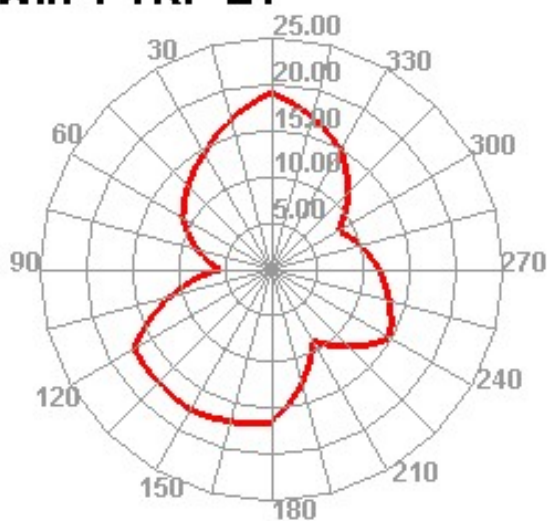
Wifi 1 TRP



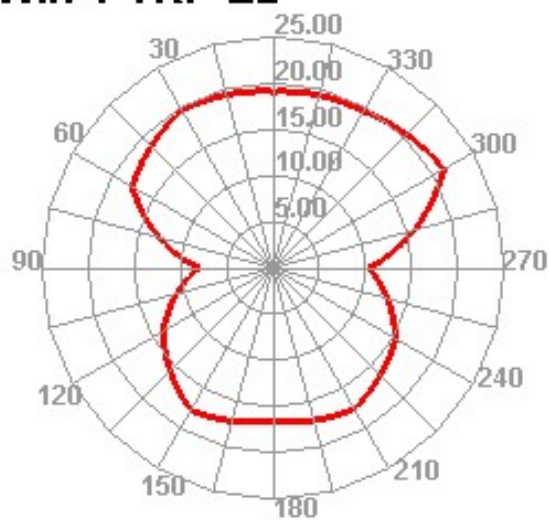
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Wifi 1 TRP E1



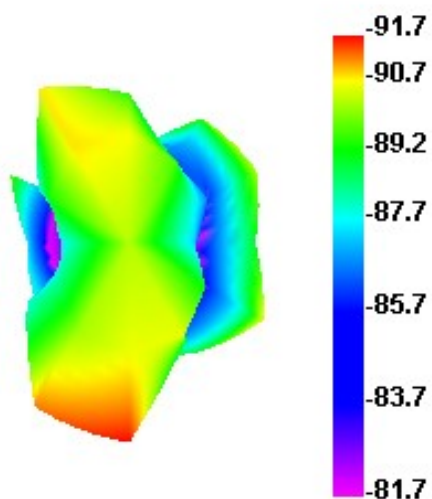
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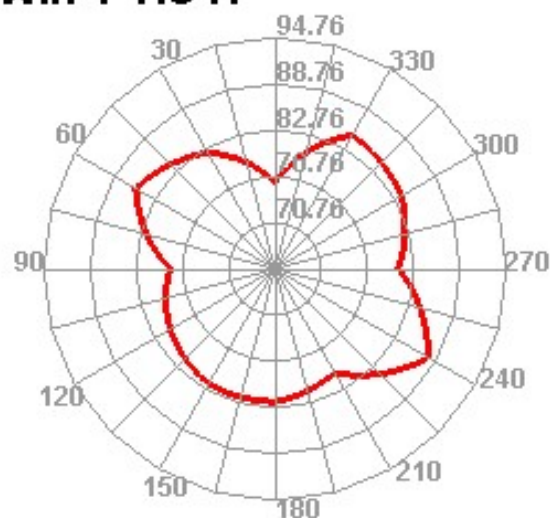


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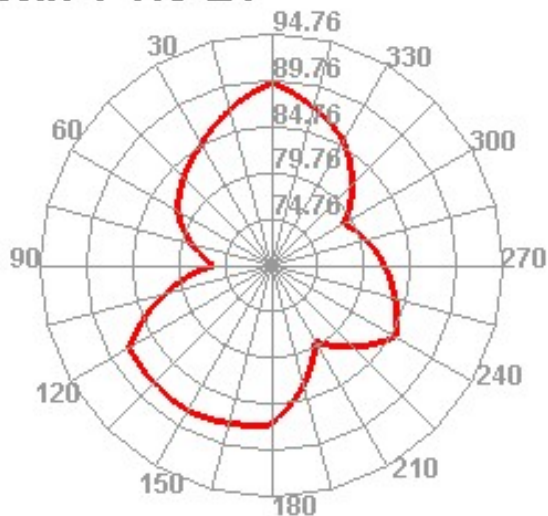
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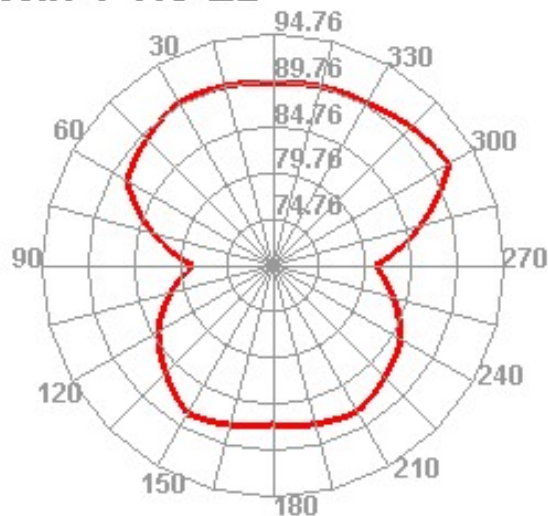
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Wifi 1 TIS E1



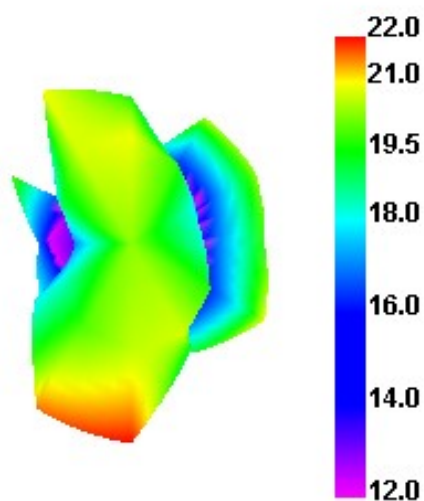
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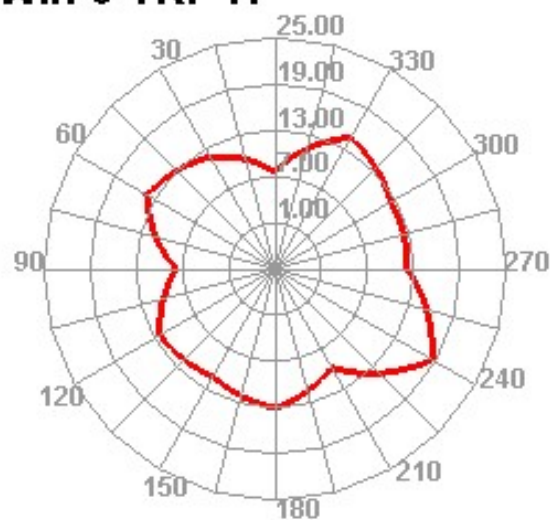


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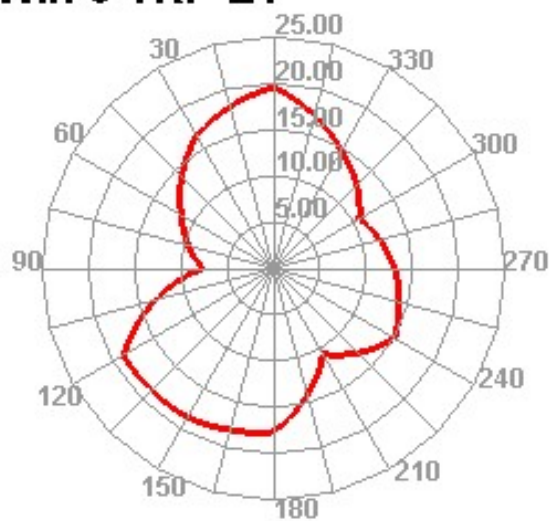
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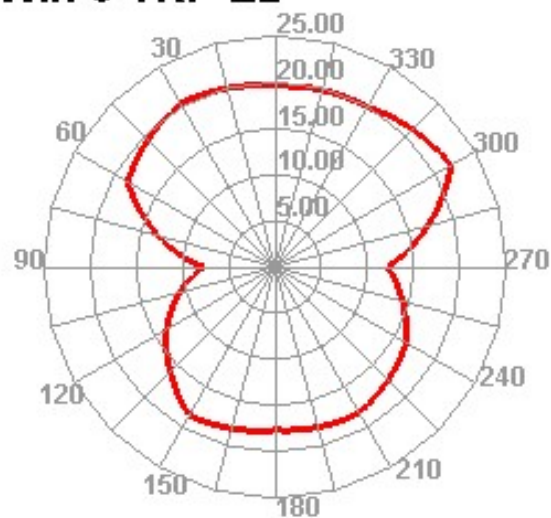
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Wifi 6 TRP E1



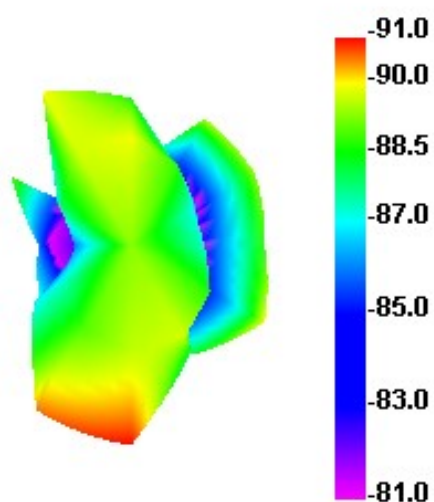
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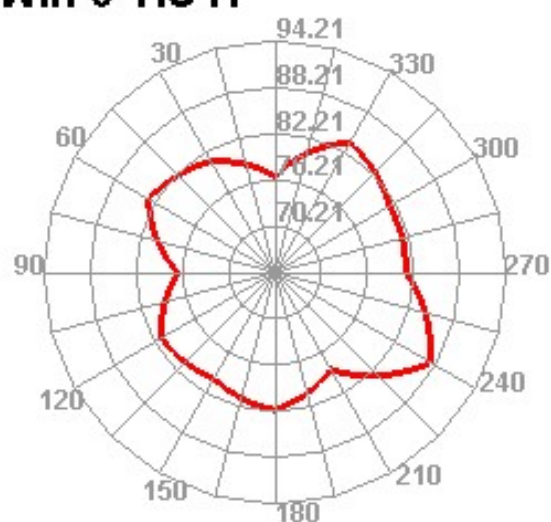


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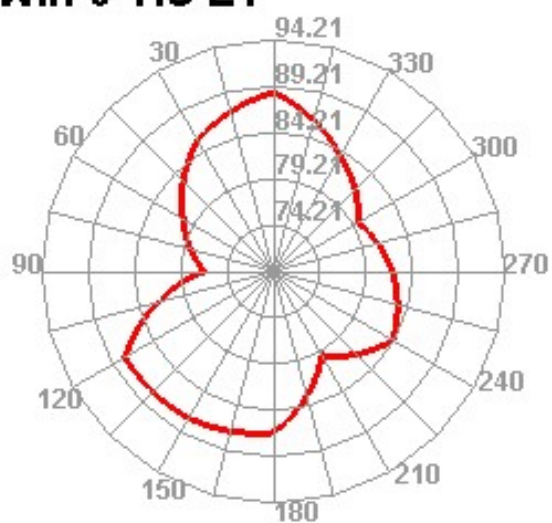
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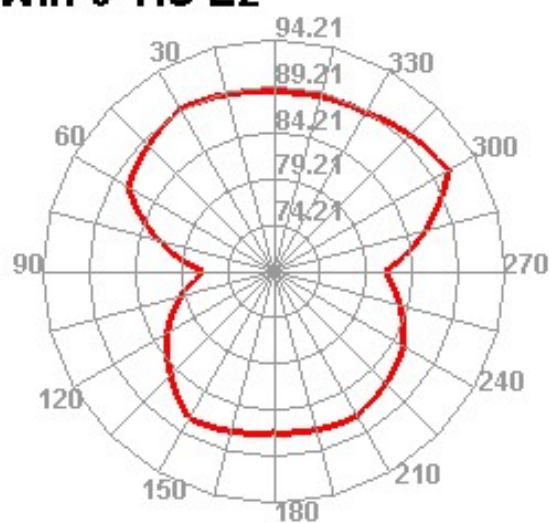
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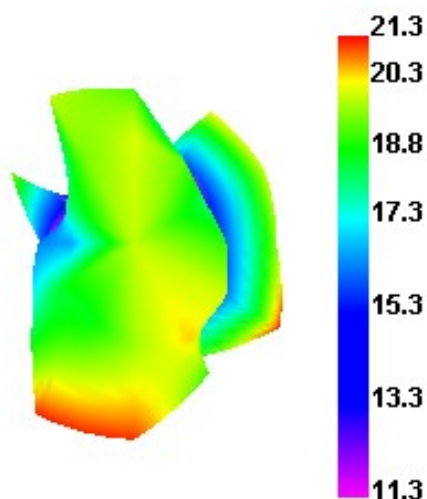
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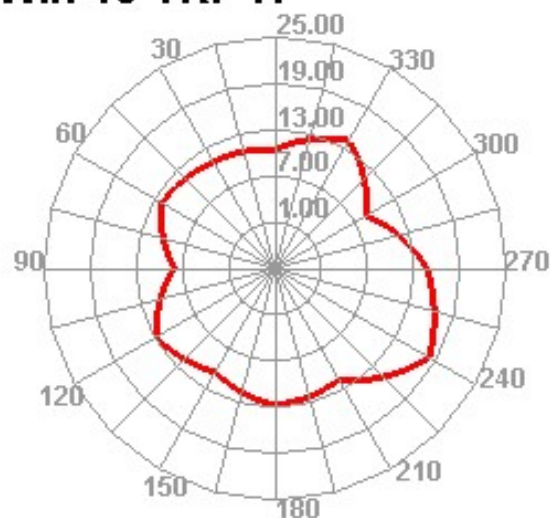


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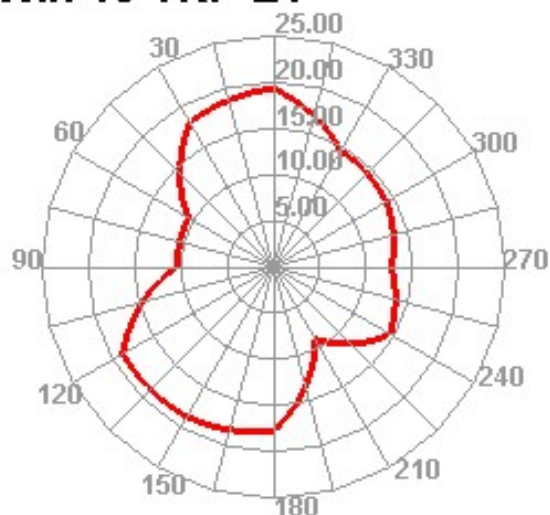
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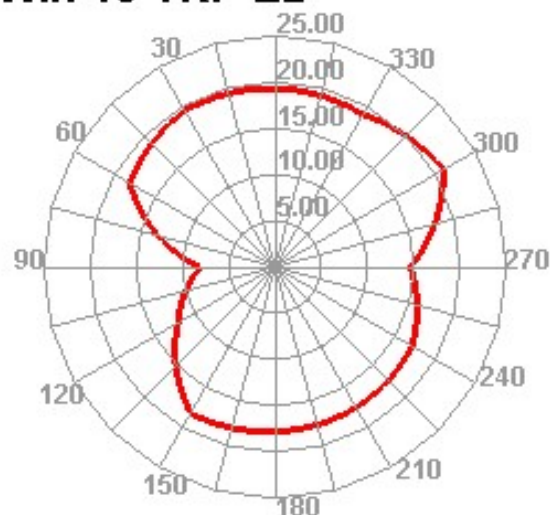
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Wifi 13 TRP E1



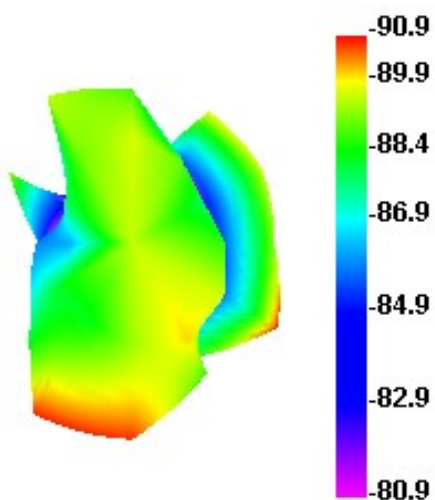
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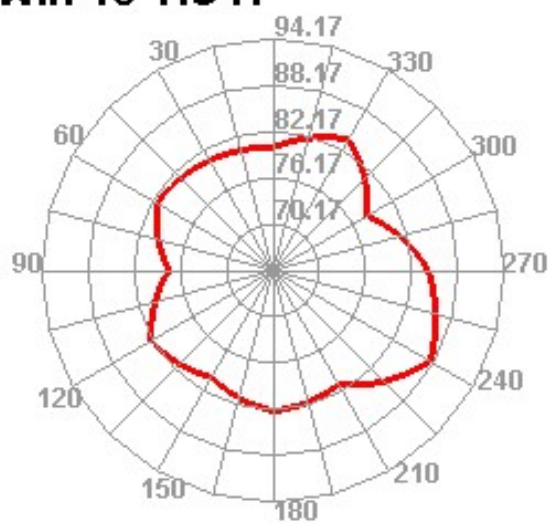


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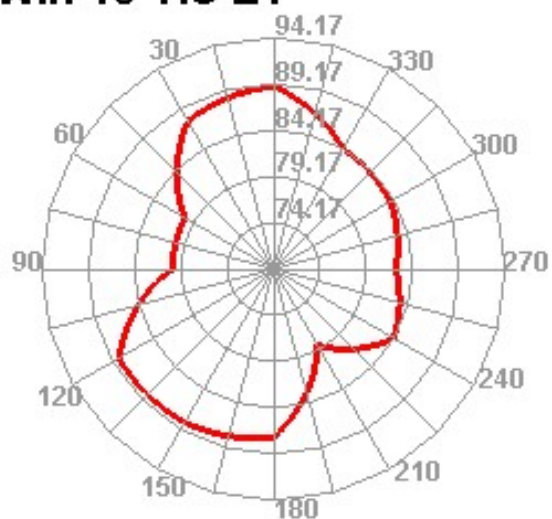
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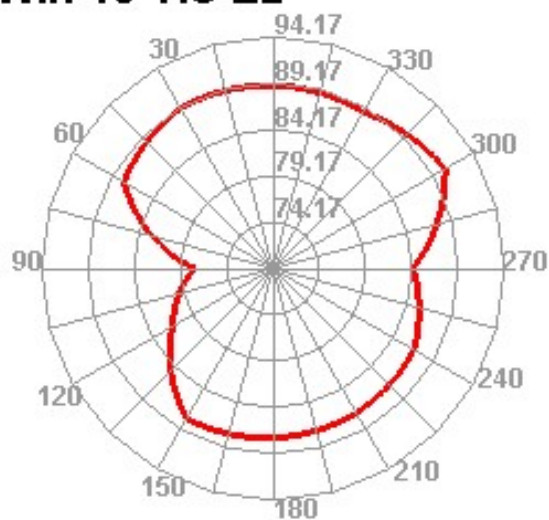
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Wifi 13 TIS E1



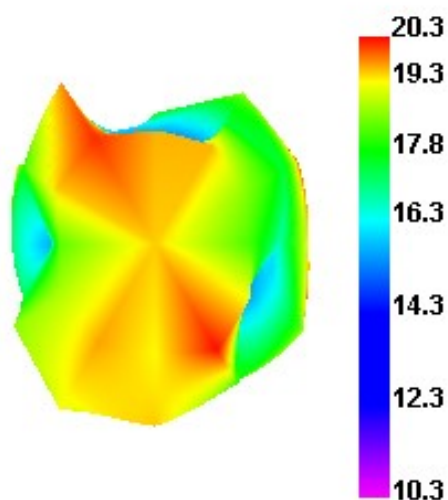
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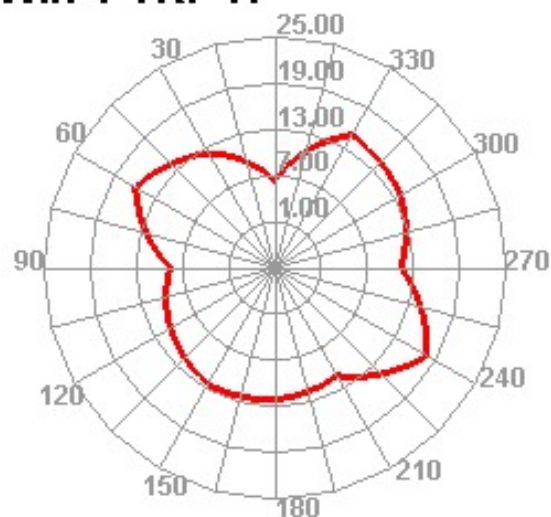


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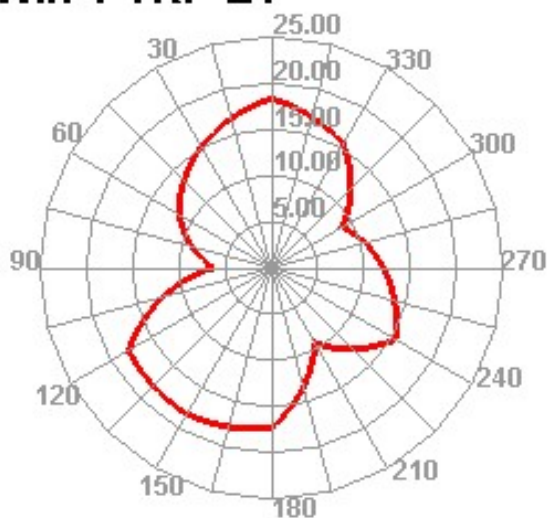
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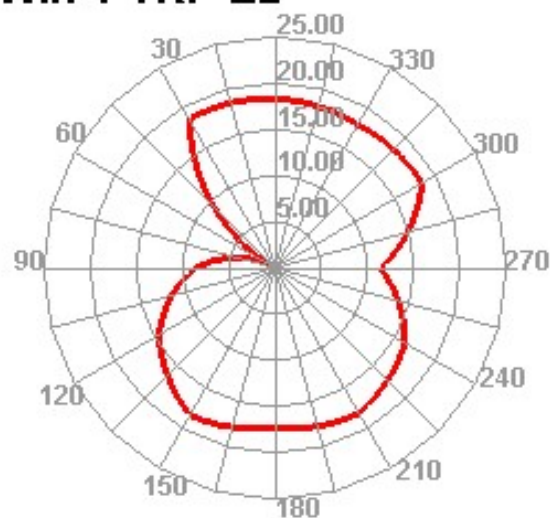
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Wifi 1 TRP E1



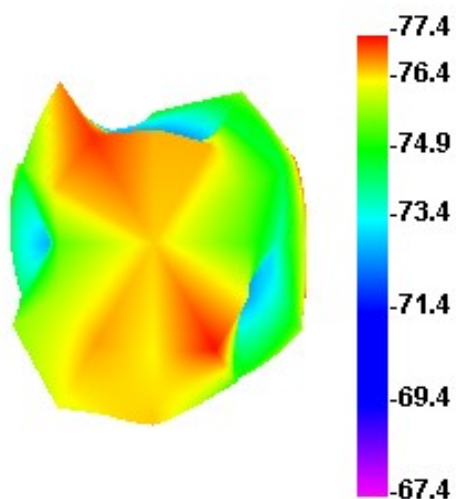
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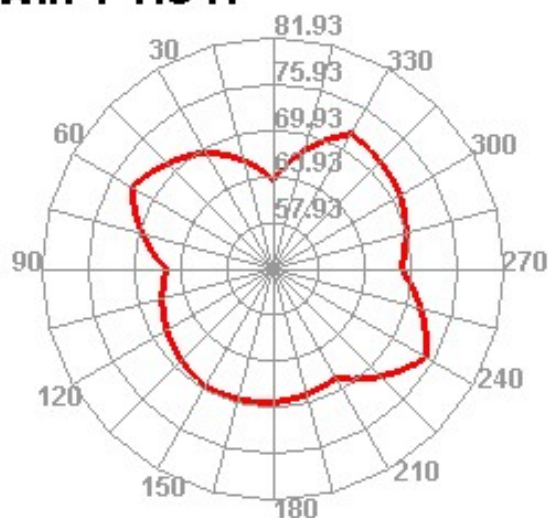


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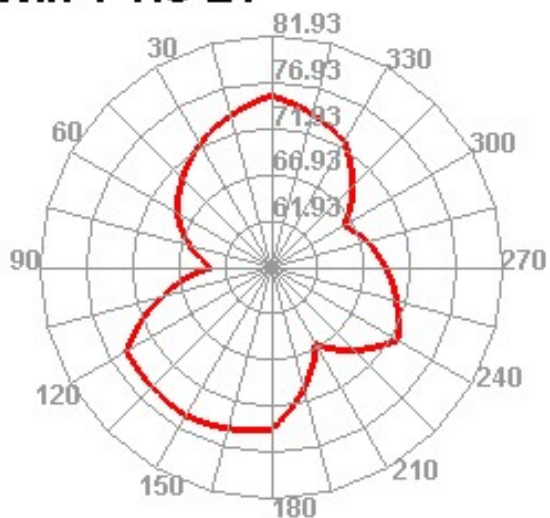
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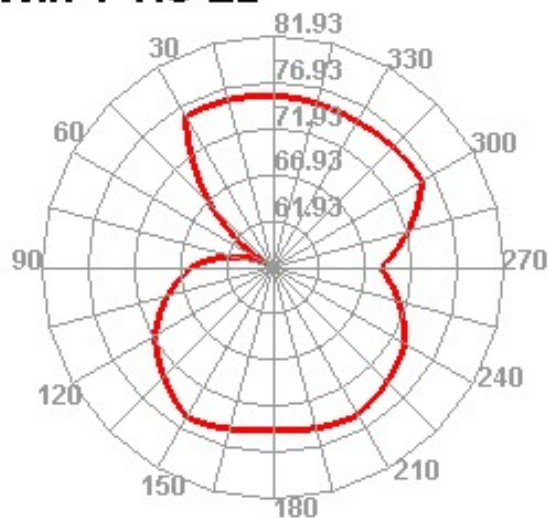
Wifi 1 TIS H



Wifi 1 TIS E1



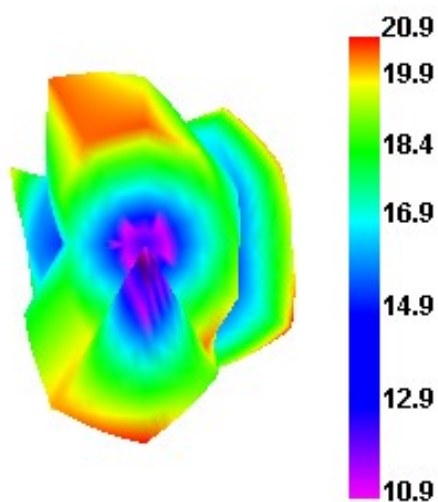
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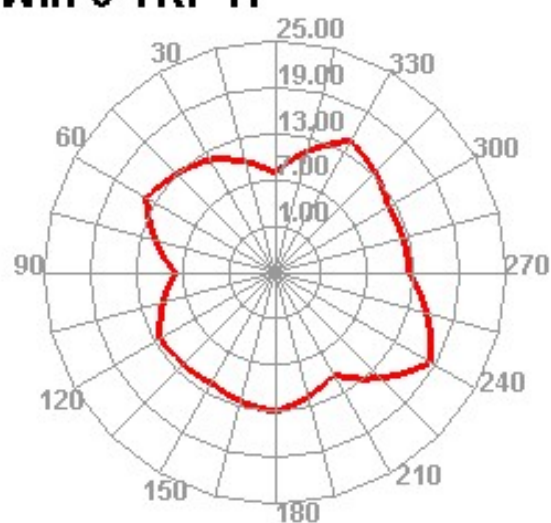


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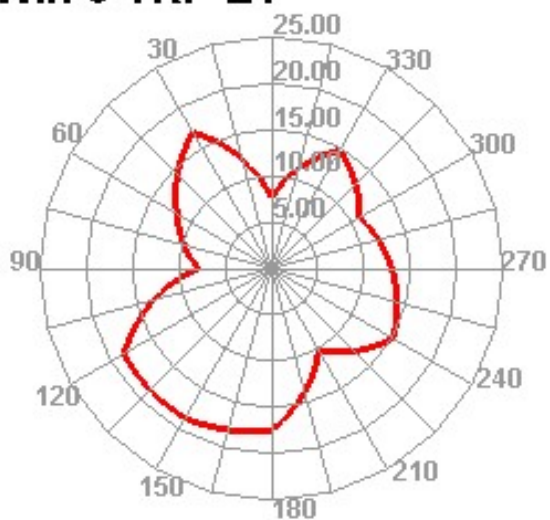
Wifi 6 TRP



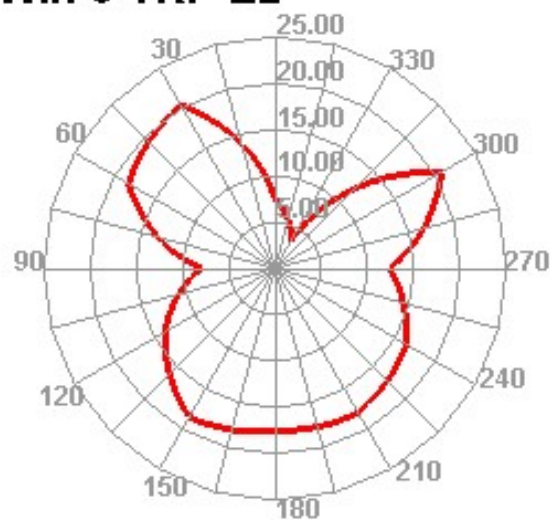
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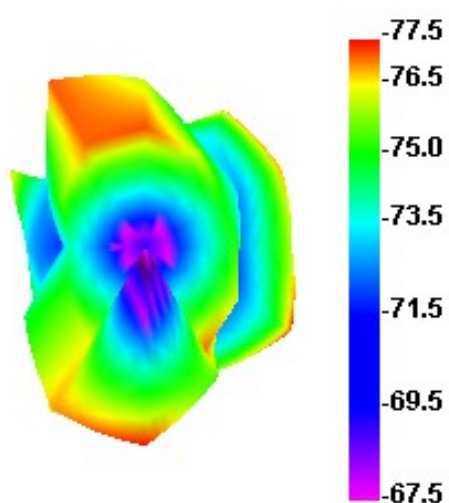
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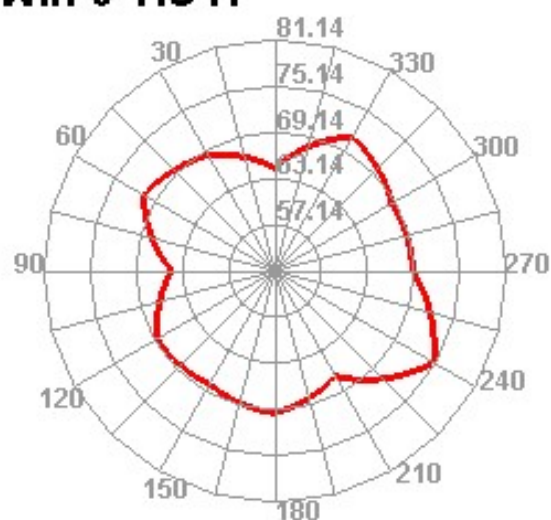


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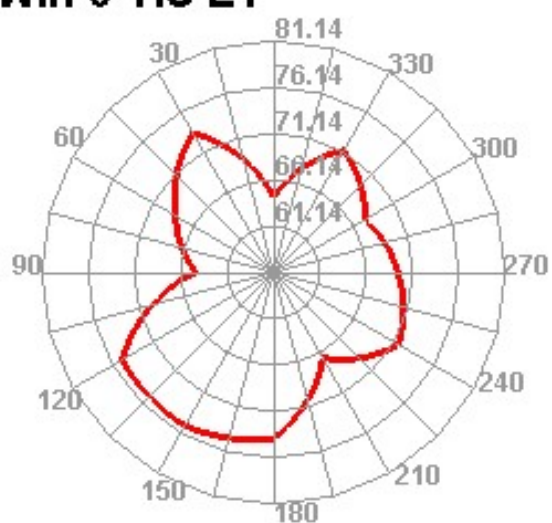
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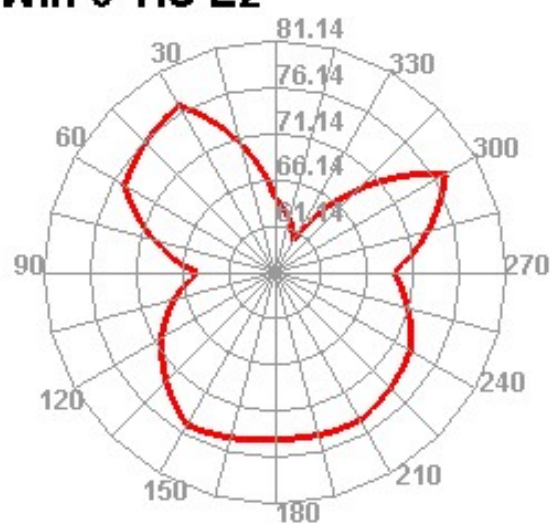
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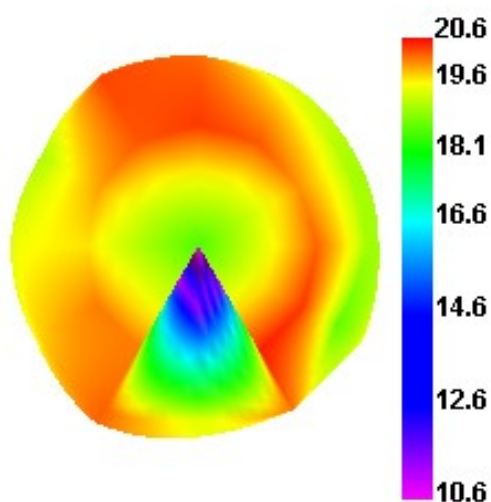
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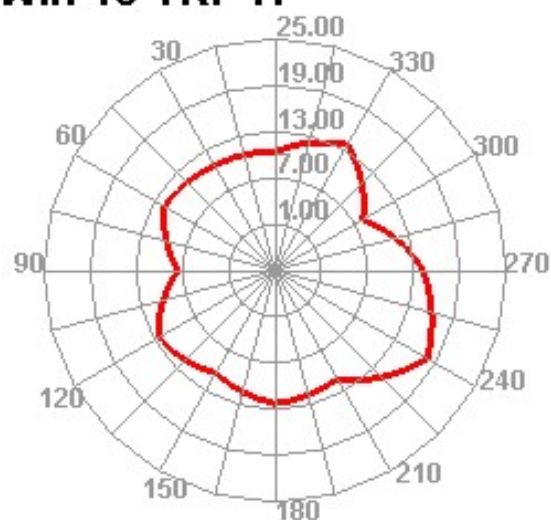


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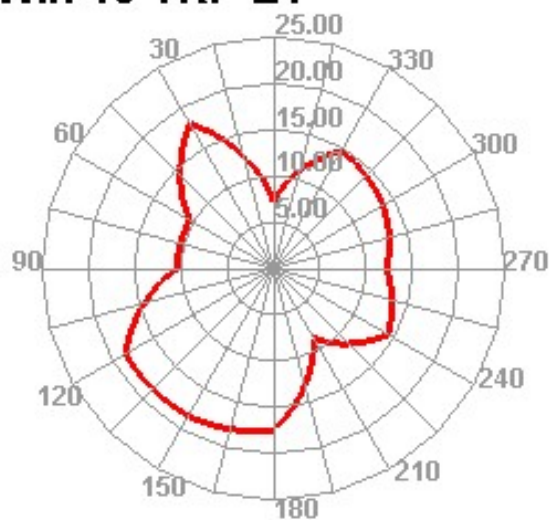
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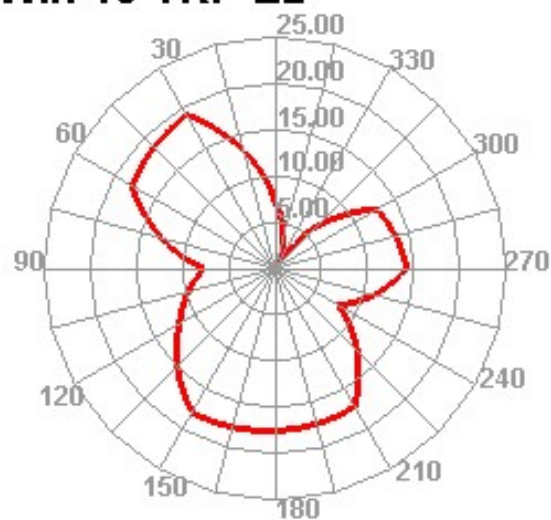
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Wifi 13 TRP E1



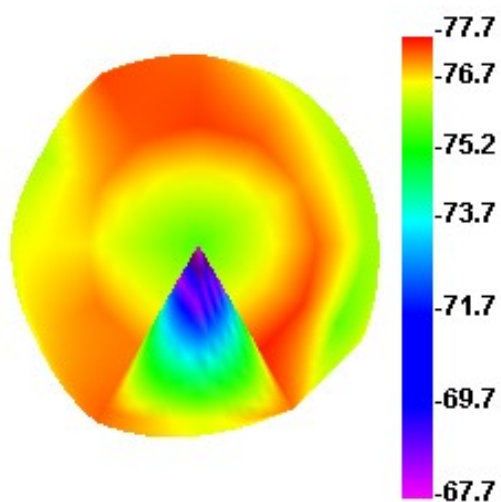
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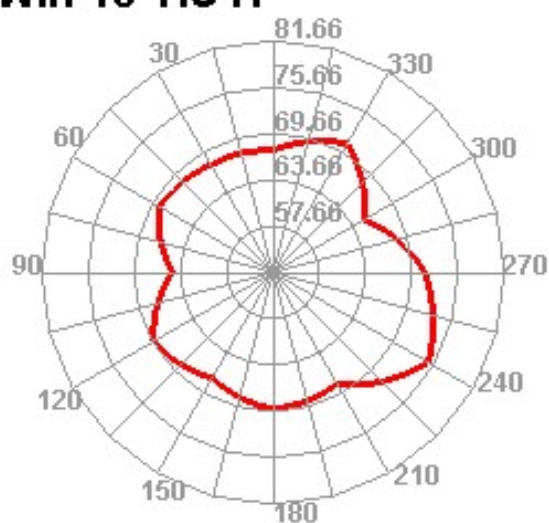


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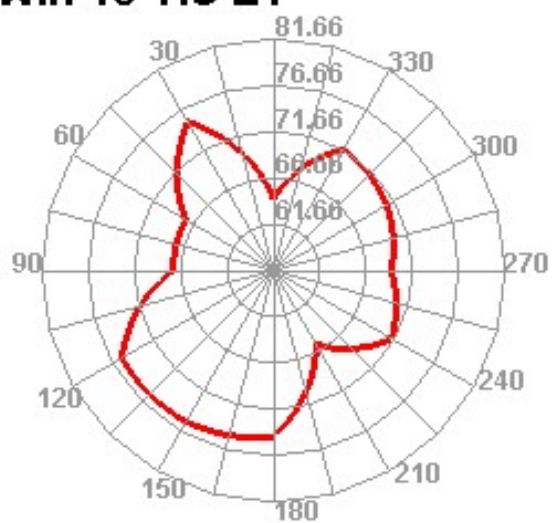
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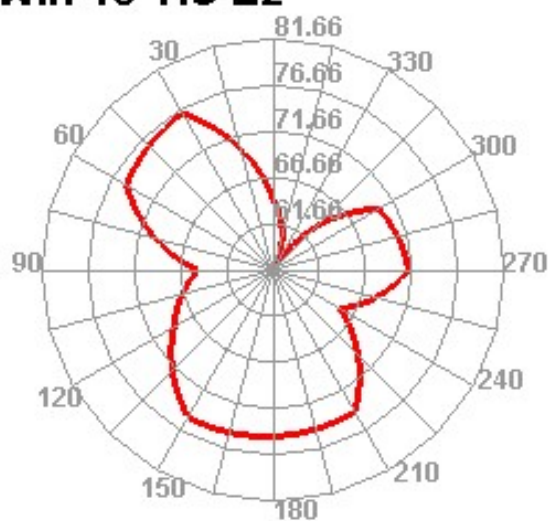
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Wifi 13 TIS E1



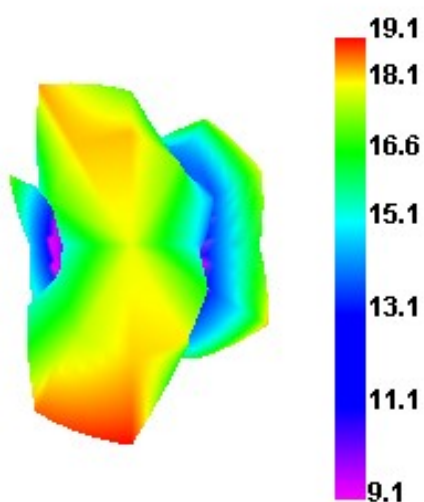
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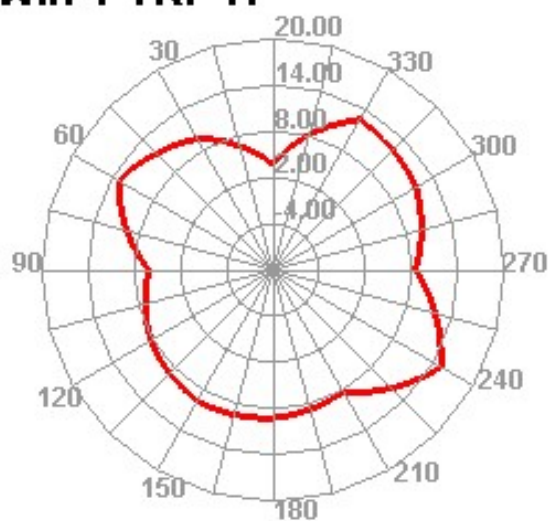


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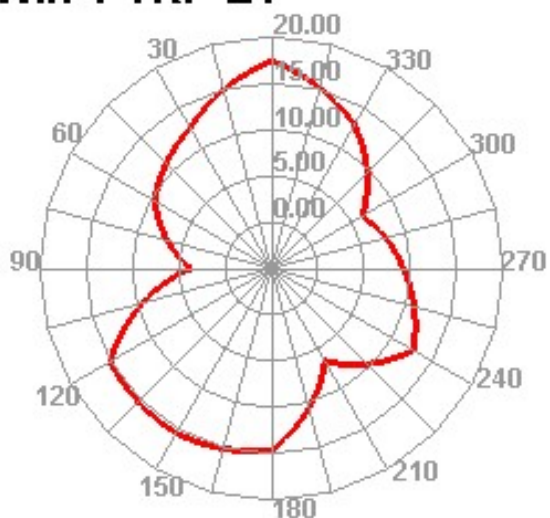
Wifi 1 TRP



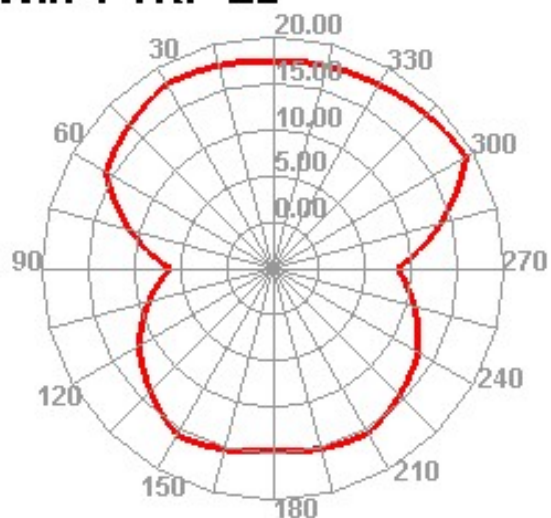
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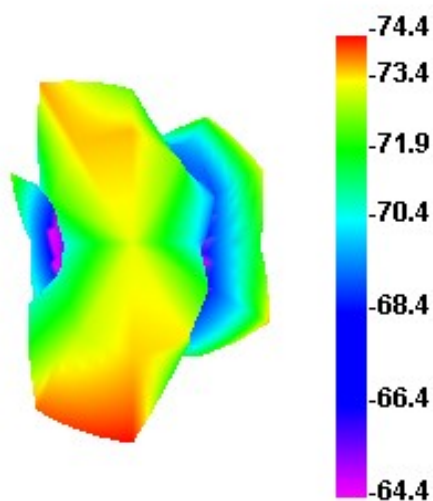
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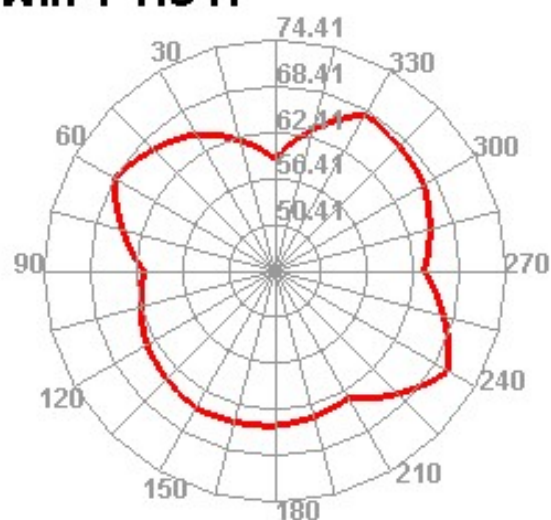


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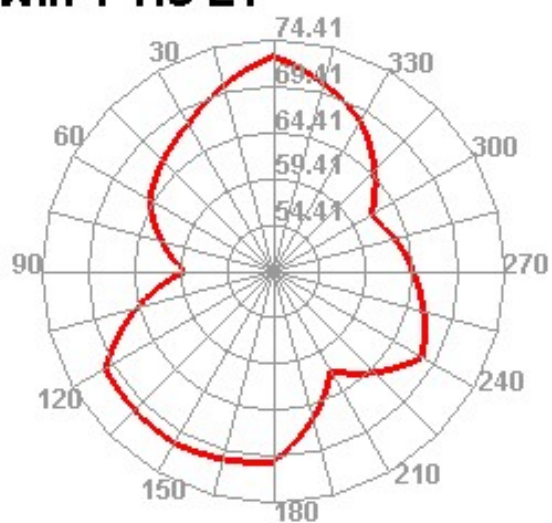
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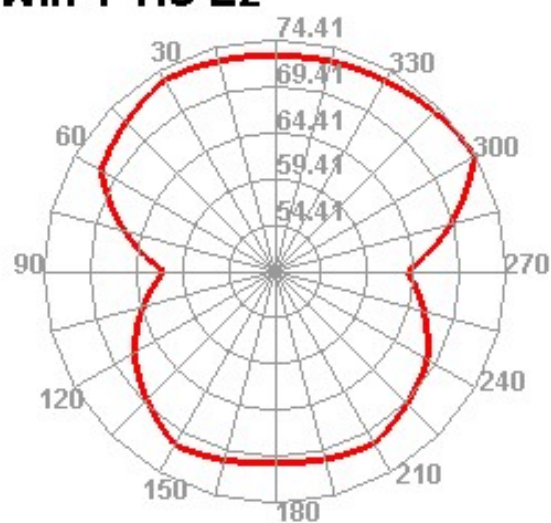
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Wifi 1 TIS E1



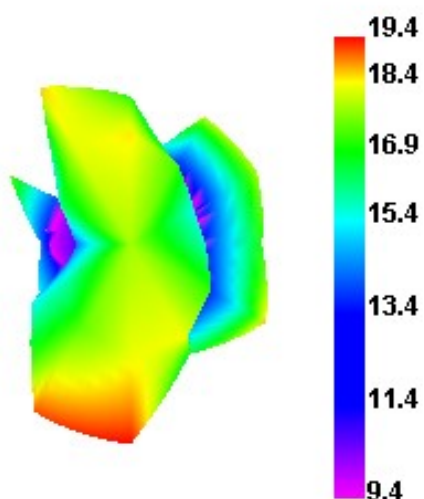
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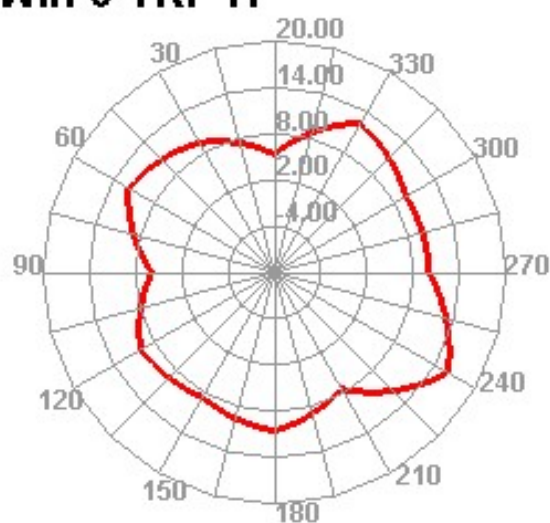


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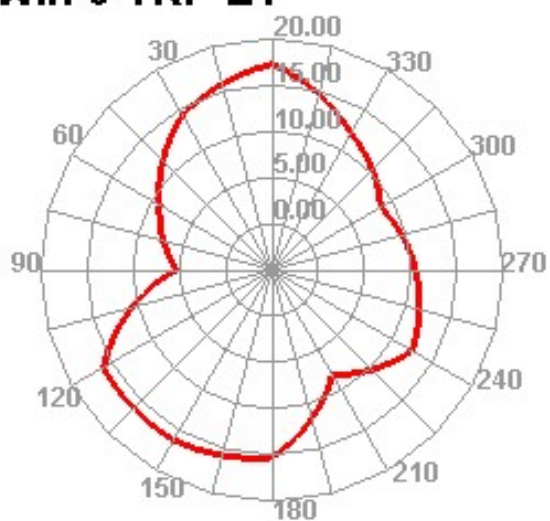
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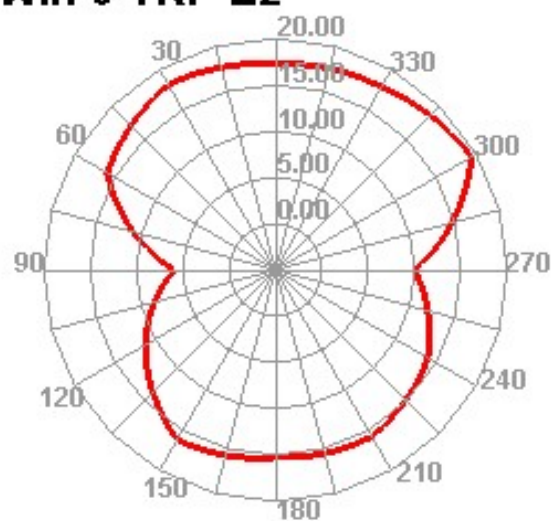
Wifi 6 TRP H



Wifi 6 TRP E1



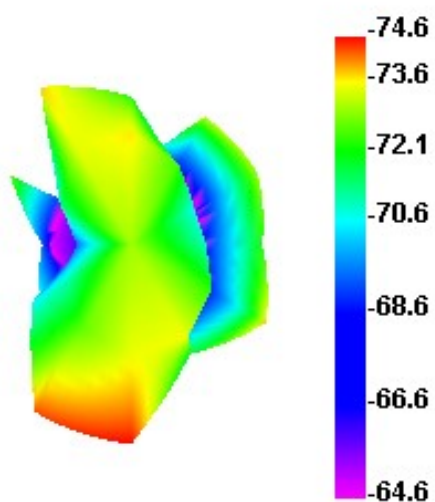
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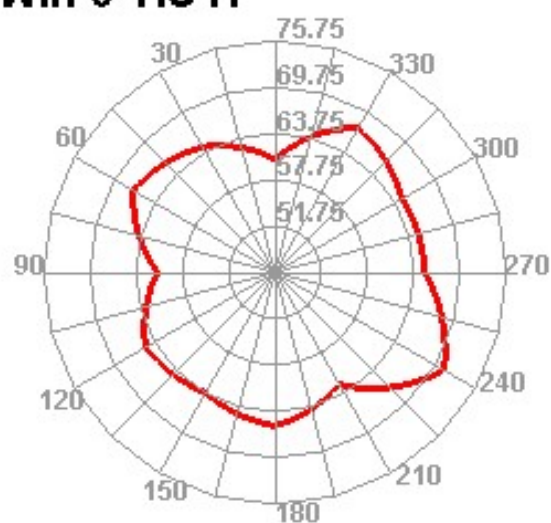


802.11n:MCS7

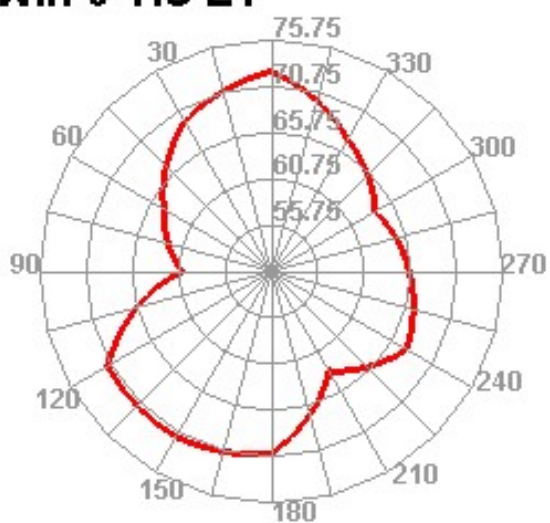
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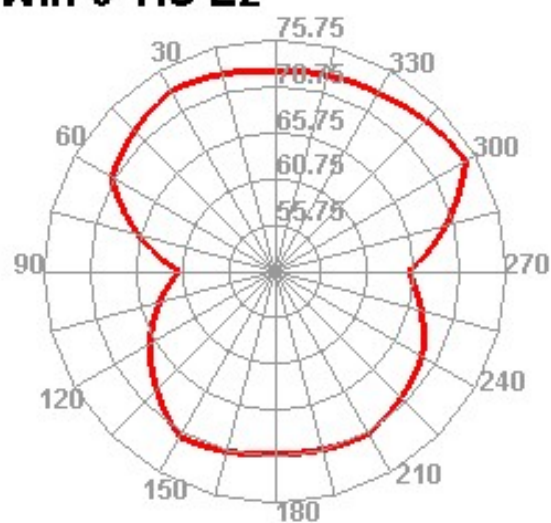
Wifi 6 TIS H



Wifi 6 TIS E1



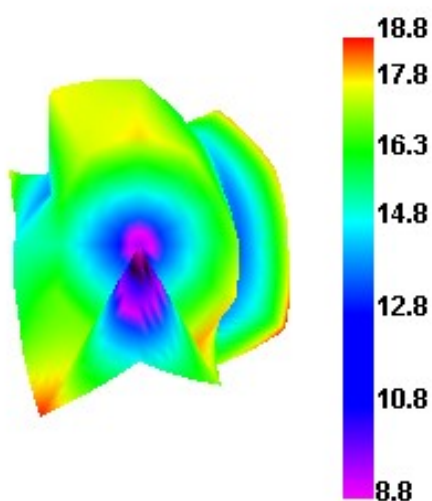
Wifi 6 TIS E2



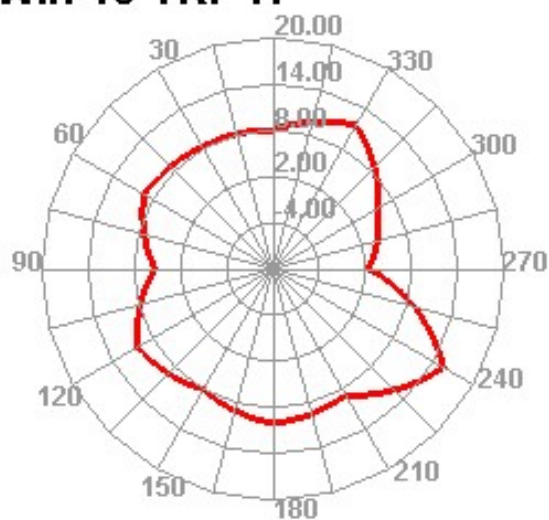


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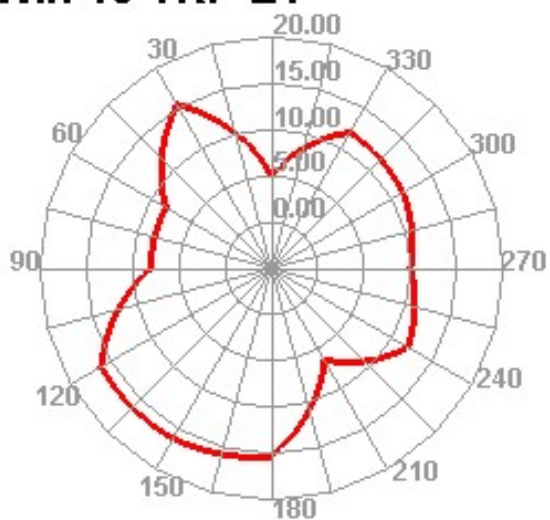
Wifi 13 TRP



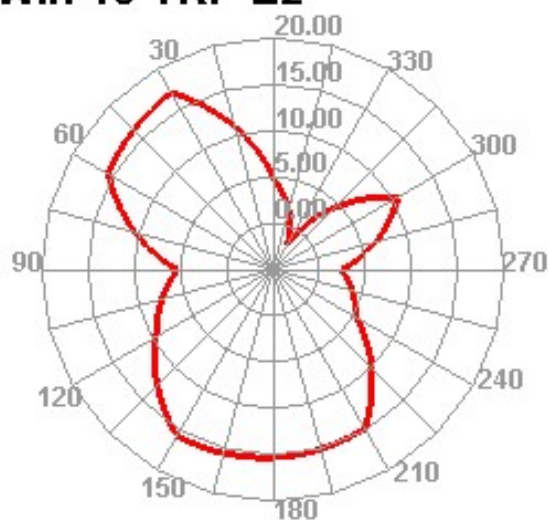
Wifi 13 TRP H



Wifi 13 TRP E1



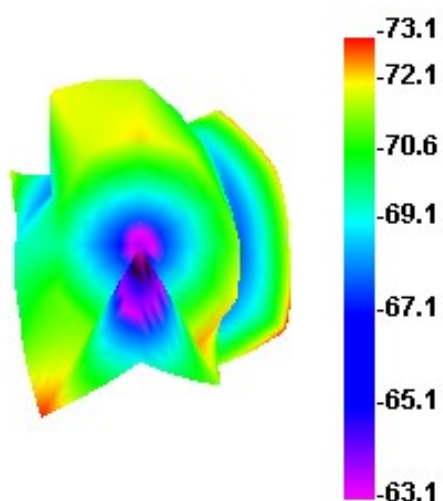
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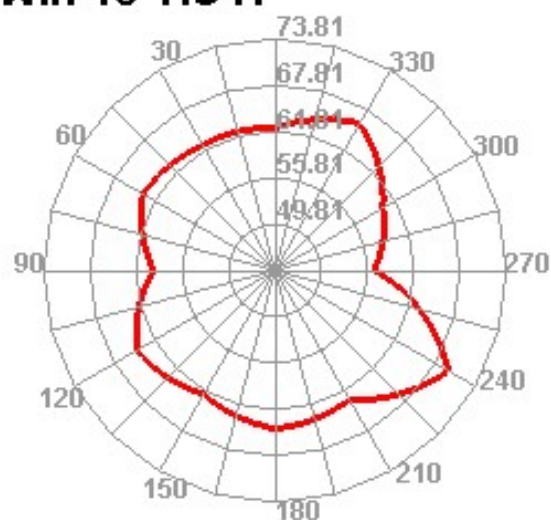


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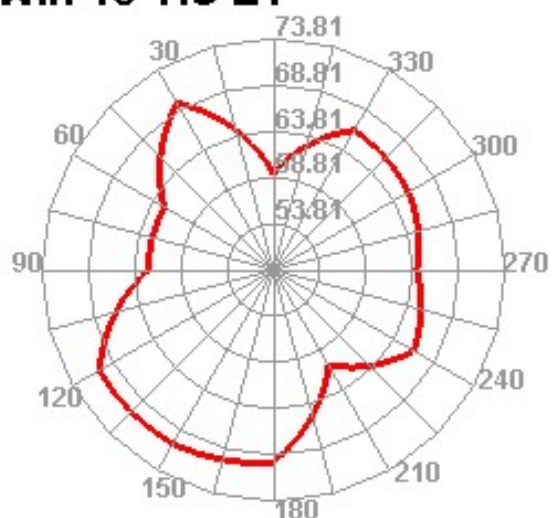
Wifi 13 TIS



Wifi 13 TIS H



Wifi 13 TIS E1



Wifi 13 TIS E2

