

Antenna Test Report

Customer	芯耀阳
Project	H16
Product Description	Ceramic patch antenna
Antenna version	V1
DATE	2024. 12. 11

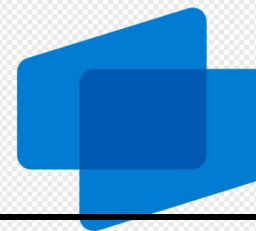
Purpose

This report is to measure the performance of BT antenna for The antenna operating frequency at 2.4~2.5GHz, All test data are showed as below.

Content

1. Product Overview & Dimension
2. Test system
3. Antenna Matching Network
4. Test Result
 - 4.1 S11 Parameter
 - 4.2 Test coordinate
 - 4.3 2D Pattern
 - 4.4 OTA Data
 - 4.5 BT Boot measured
5. Antenna Assembly & environmental processing

2. Test System



芯发展
CHIP DEVELOPMENT

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071B & Agilent 5062A
OTA Test	TRP&TIS	CMW500 & CMW270 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071B



GTS



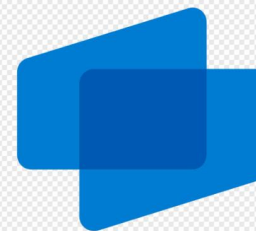
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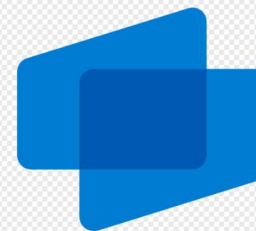
CMW 500



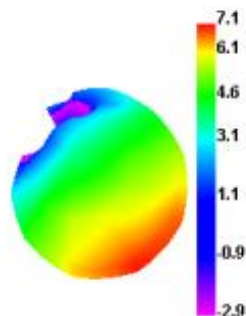
Agilent 8960



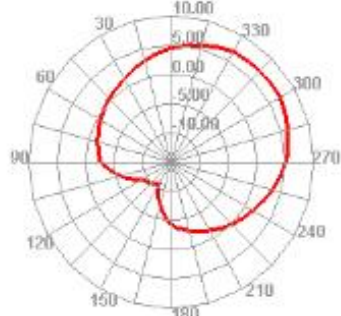
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Band	Channel	Gain(dBi)	TIS(dBm)
BT	0	1.74	-86.9
	39	1.45	-86.41
	78	1.26	-86.2



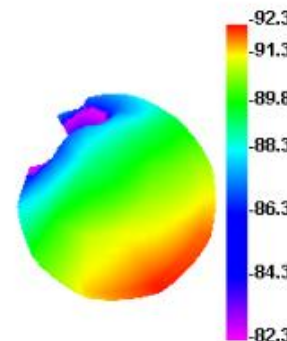
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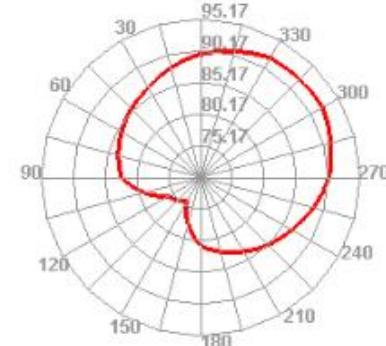
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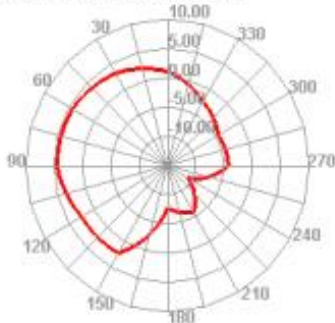
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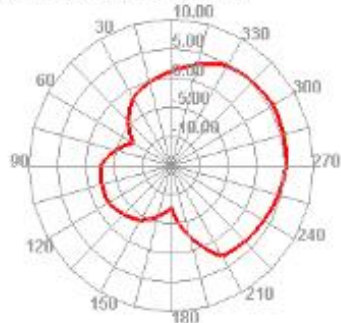
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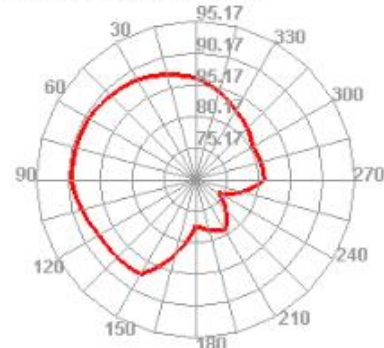
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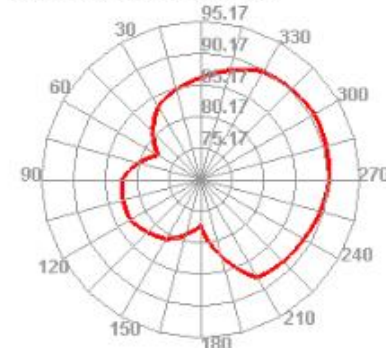
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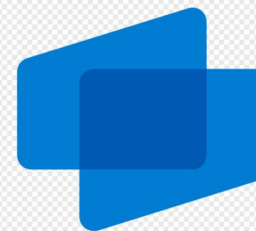


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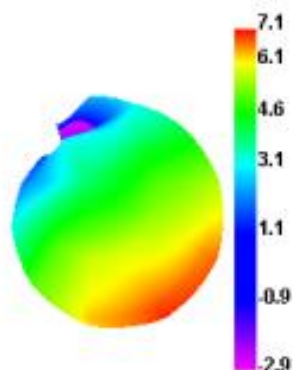


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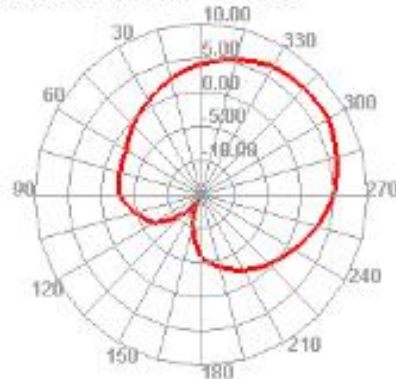




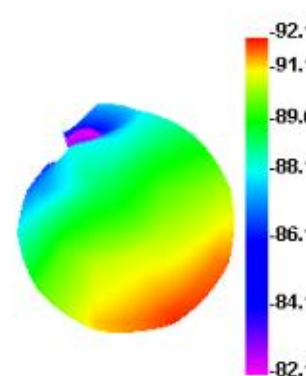
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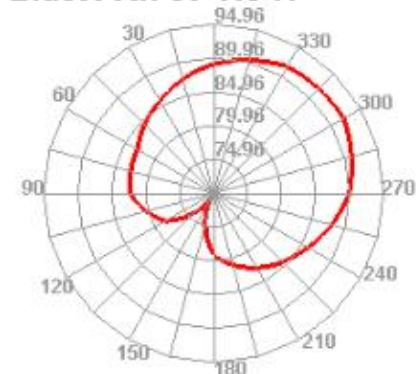
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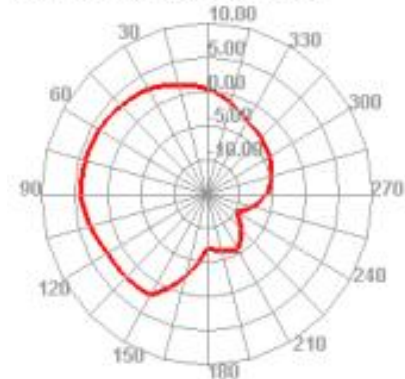
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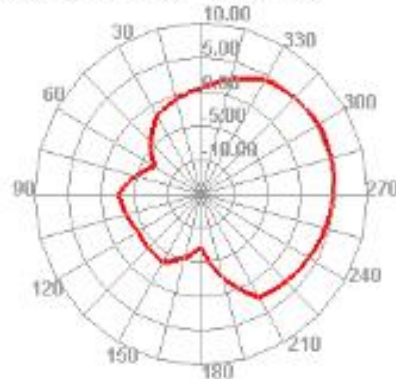
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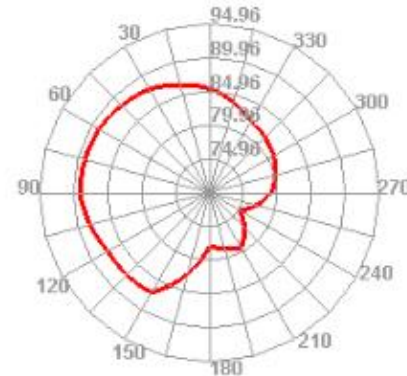
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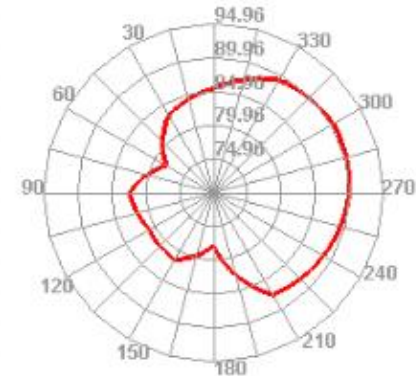
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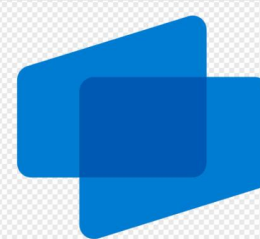


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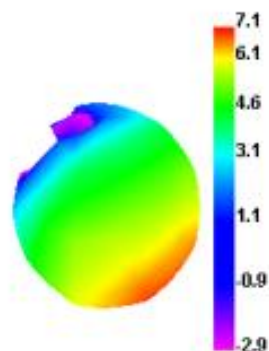


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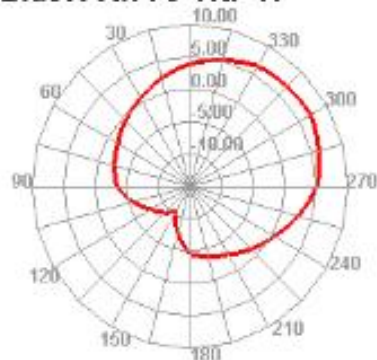




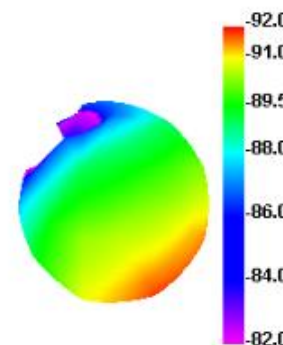
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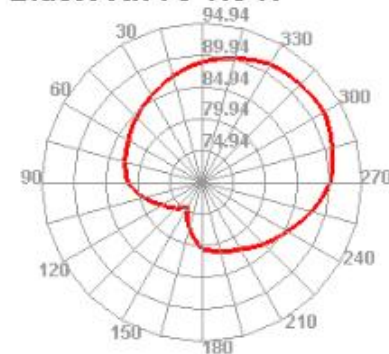
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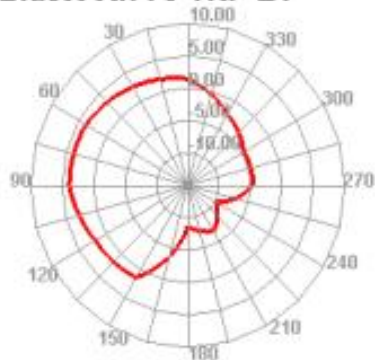
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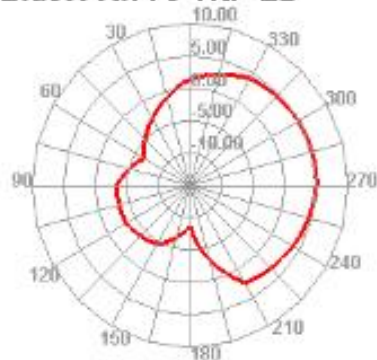
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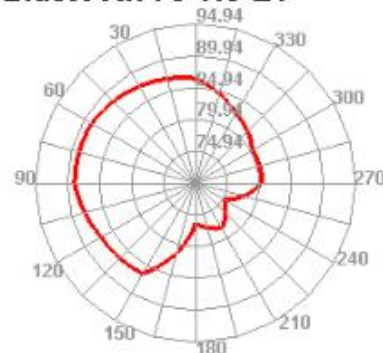
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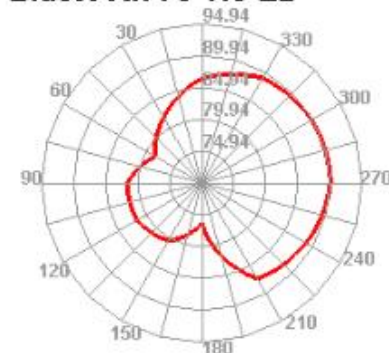
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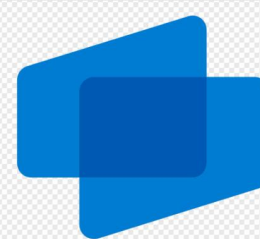
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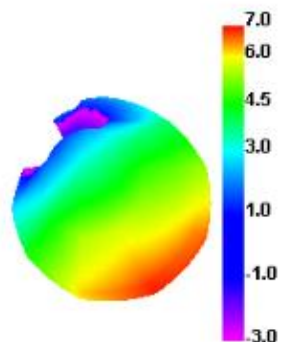
OTA DATA- H16-RX-BT



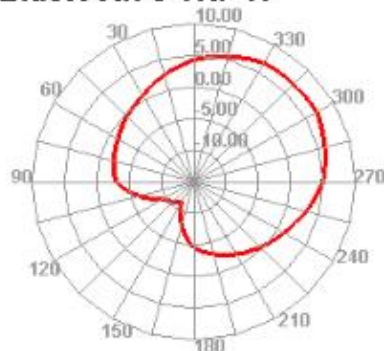
Test Equipment:	R&S CMW500		
Band	Channel	Gain(dBi)	TIS(dBm)
BT	0	1.53	-86.82
	39	1.3	-86.34
	78	1.2	-85.62



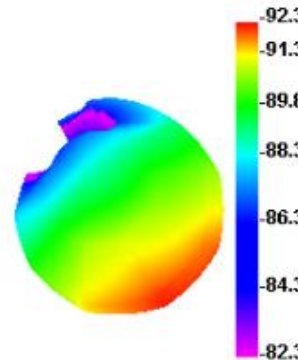
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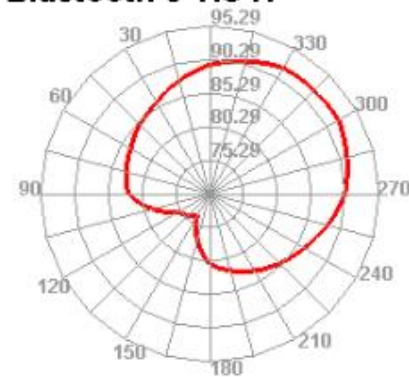
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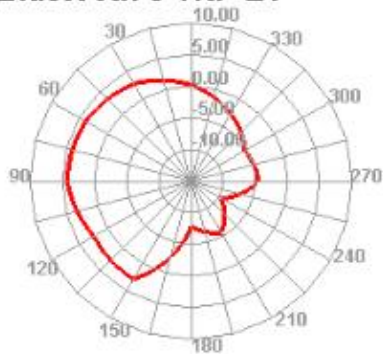
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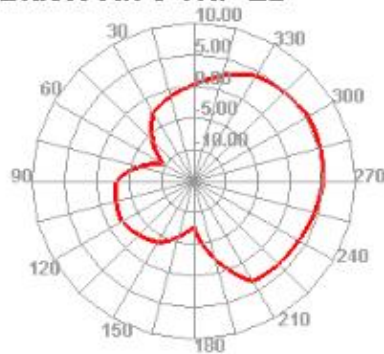
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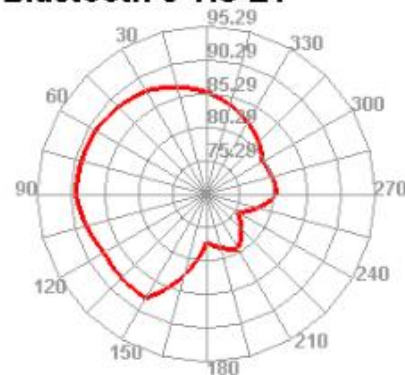
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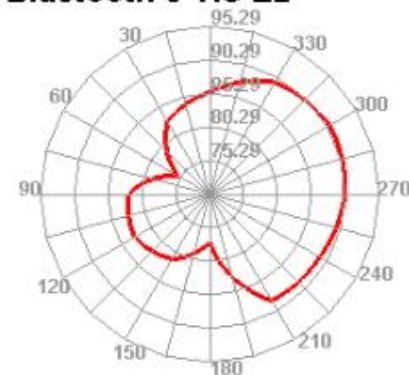
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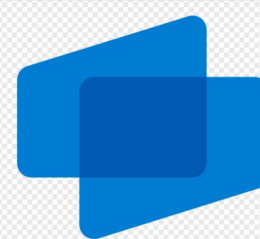


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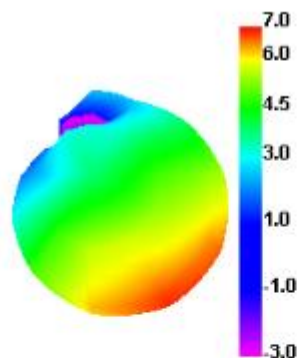


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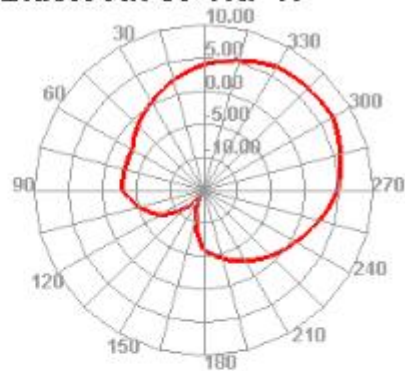




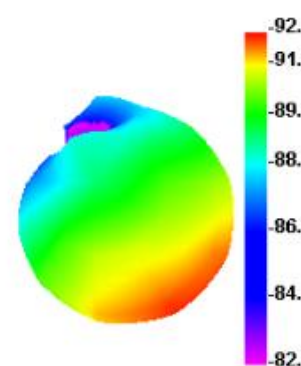
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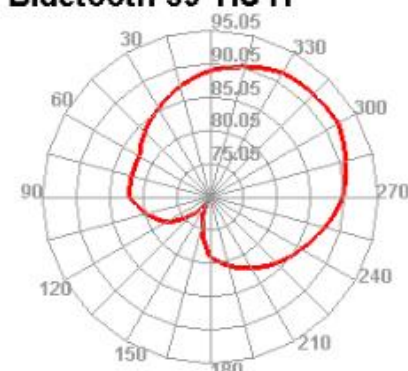
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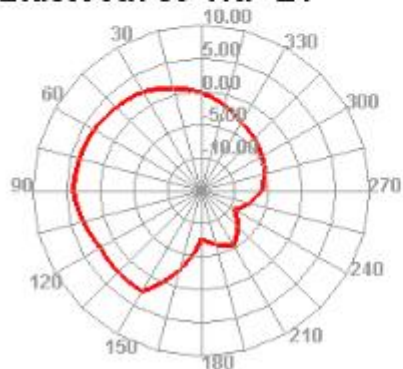
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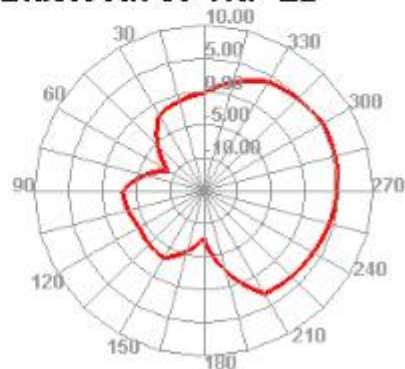
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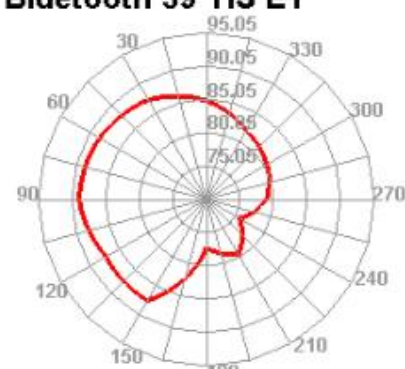
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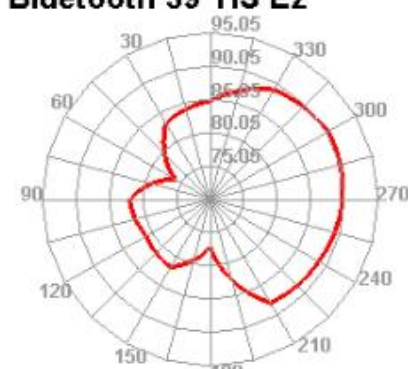
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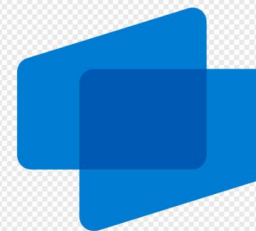


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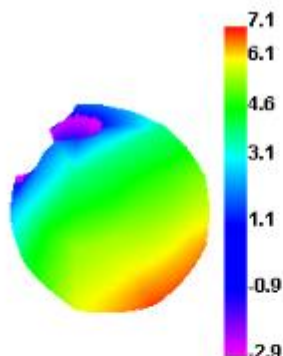


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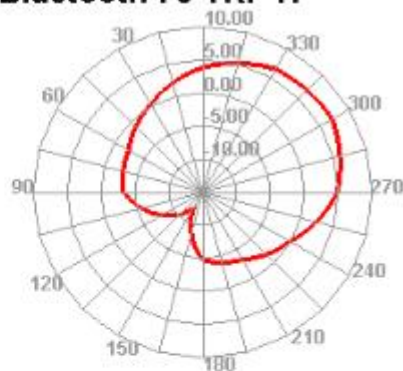




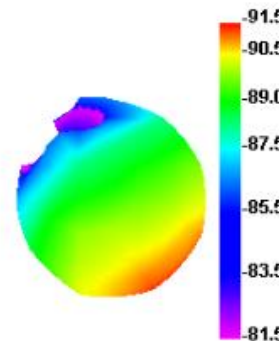
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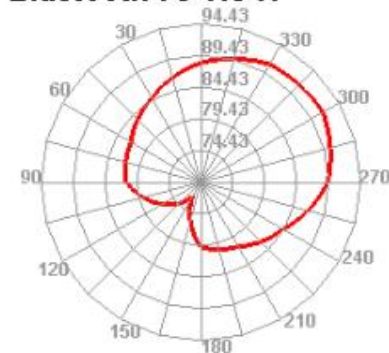
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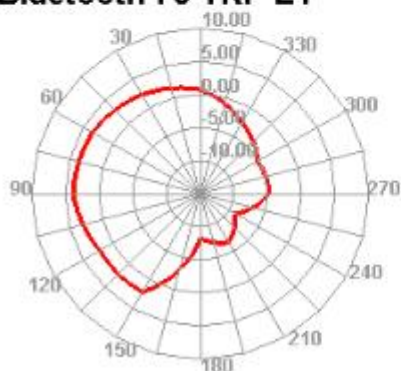
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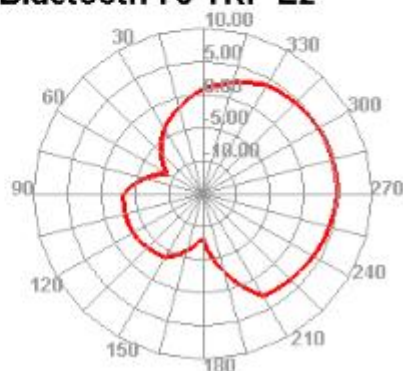
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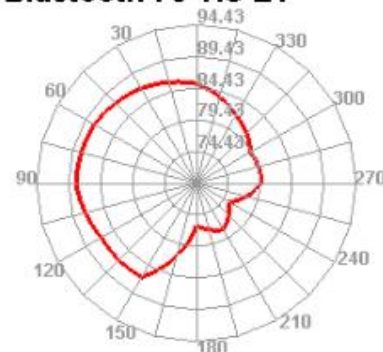
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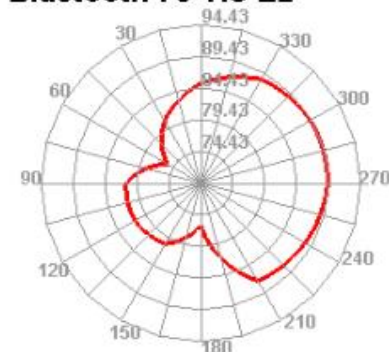
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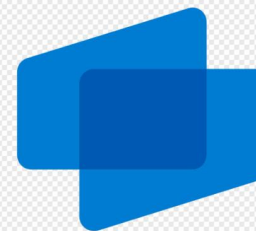


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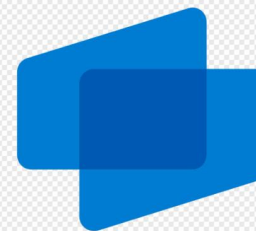


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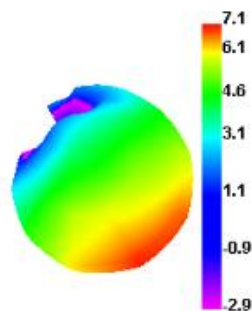




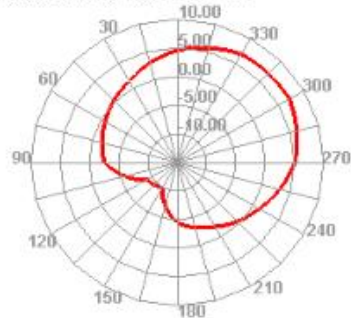
Test Equipment:	R&S CMW500		
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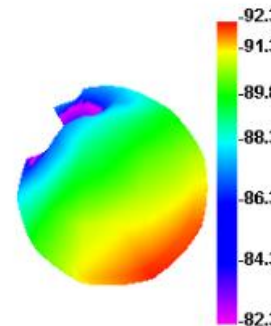
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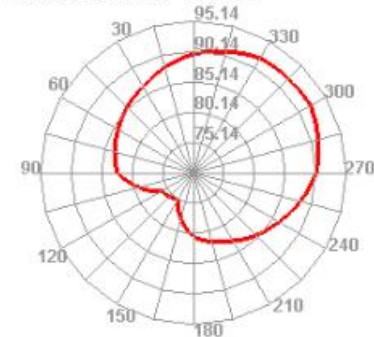
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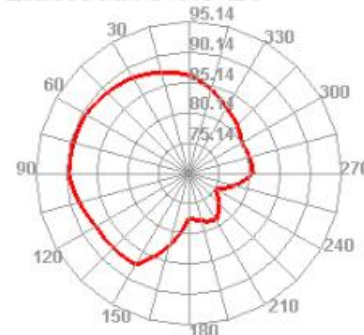
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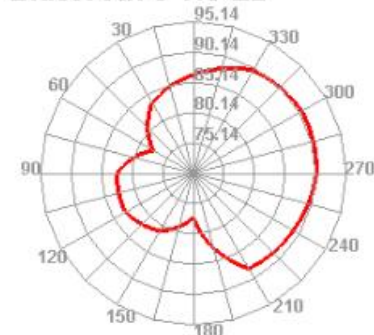
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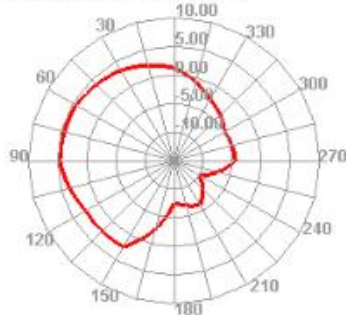
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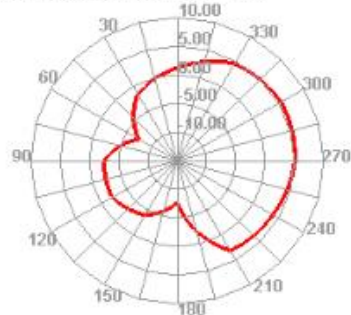
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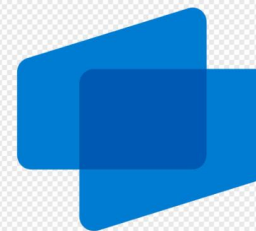


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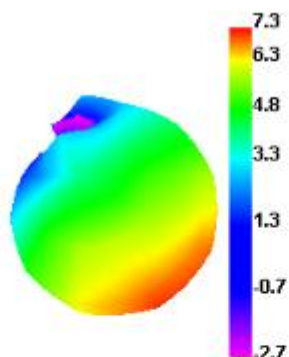


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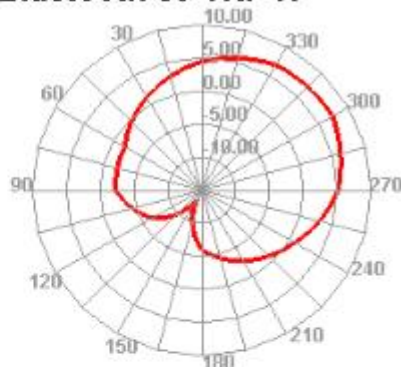




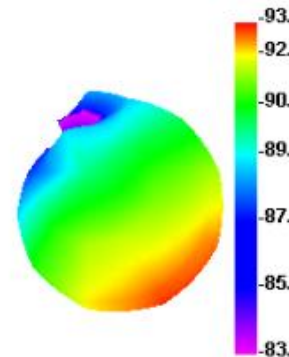
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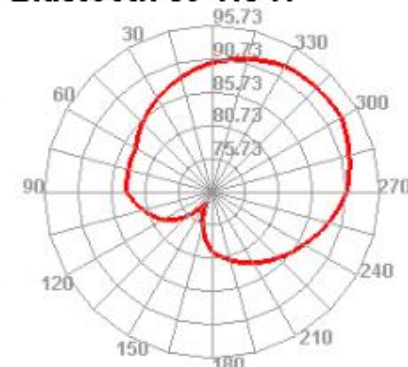
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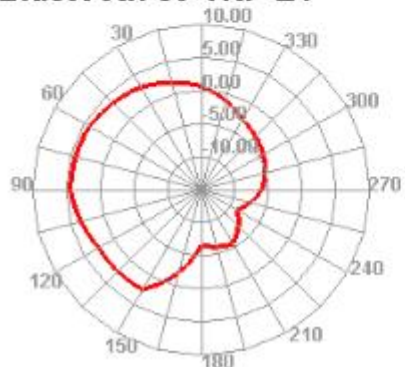
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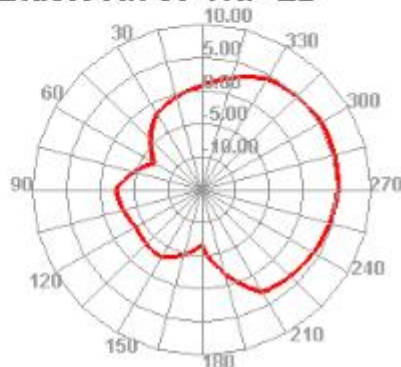
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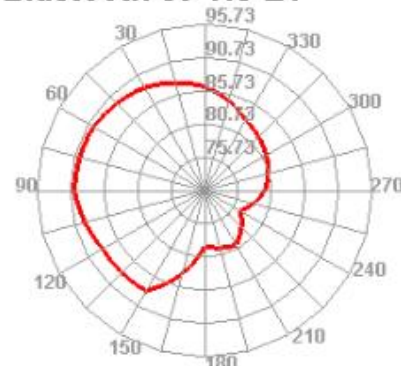
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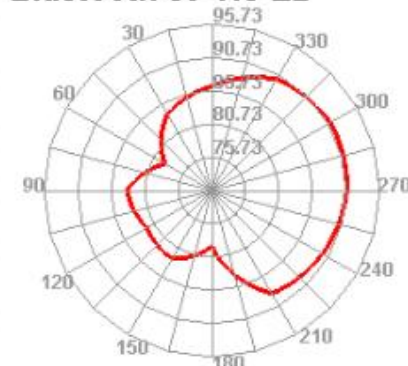
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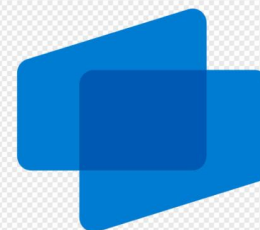


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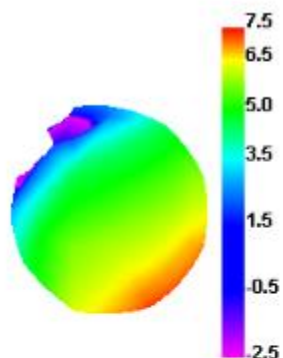


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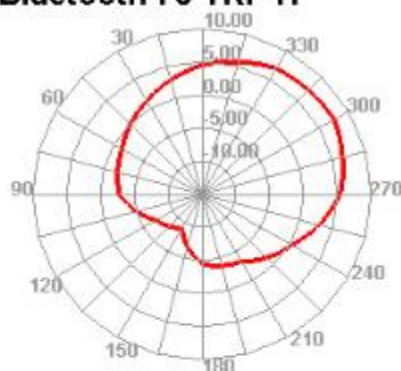




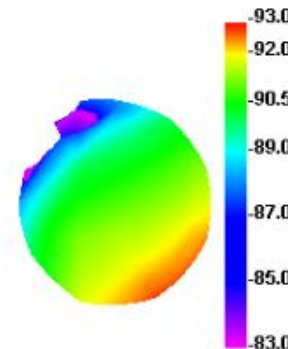
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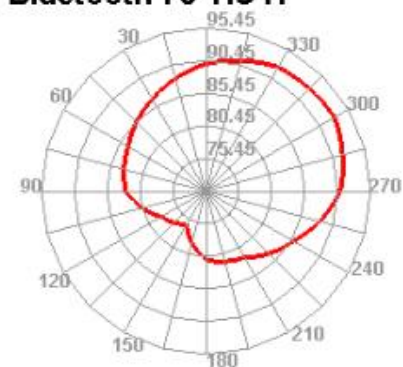
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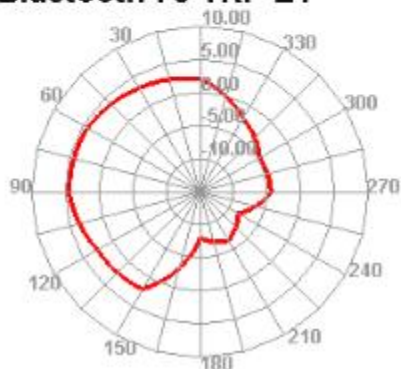
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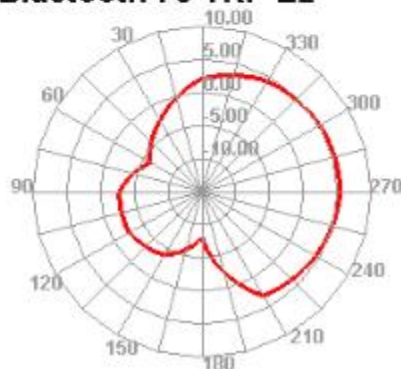
Bluetooth 78 TIS H



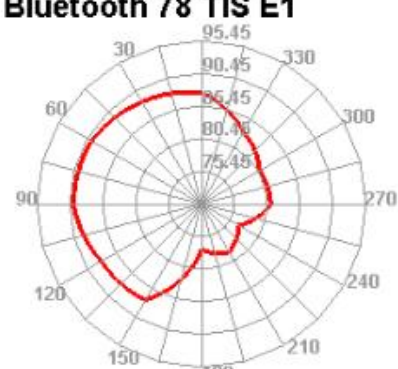
Bluetooth 78 TRP E1



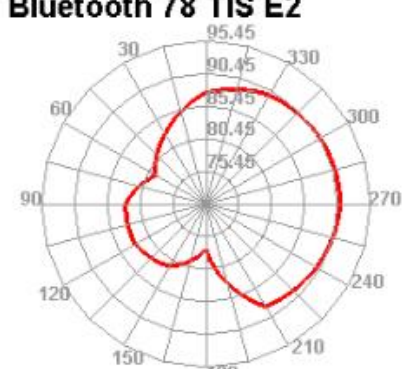
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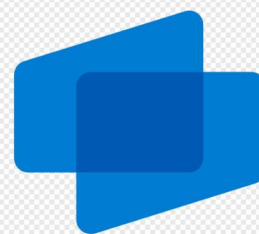


Bluetooth 78 TIS E1



Bluetooth 78 TIS E2





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Thanks for your comment!

◆ 深圳市芯发展科技有限公司

◆ 深圳：深圳市宝安区西乡街道广兴源互联网A栋307

◆ RF：张杰