

YONG CHENG INTERNATIONAL(OTA)

DXC-T8990 V1.0调测报告

Antenna Test Report



◆ 日期 2026年01月14日

Test item	
1	Matching parameter
2	Microwave darkroom test OTA active data
3	Measurement of antenna efficiency field pattern in microwave darkroom
4	measuring distance
5	Assembly item
6	summary of commissioning test



<i>Customer</i>	DXC	<i>Project name</i>	T8990 V1.0
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frequency
band

2400MHZ -
2500MHZ

engineer :

CK

Date

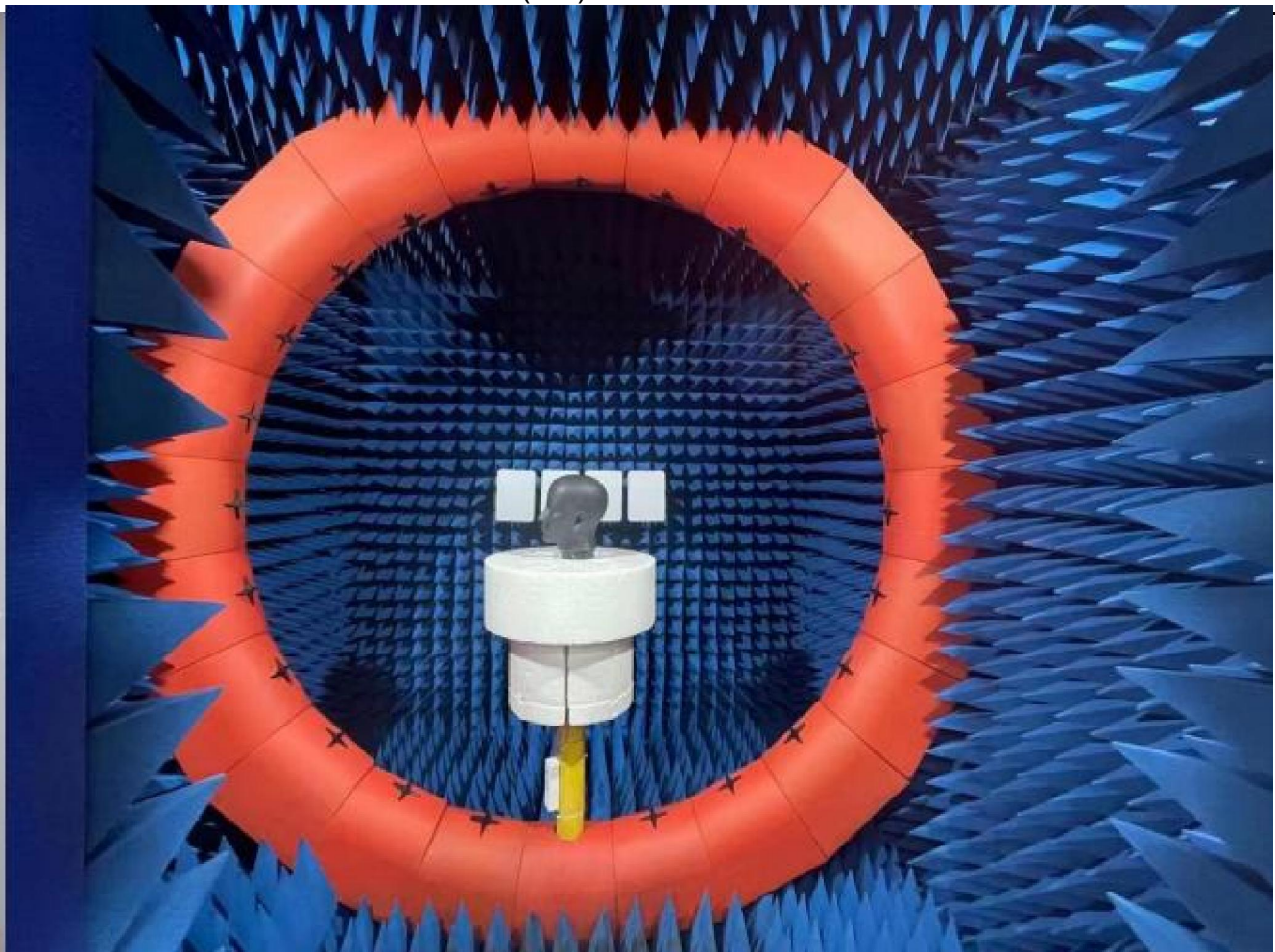
2026/01/14

phone :

13530576606

1.测试工具

矢量网络分析仪&综测仪	Agilent Technologies E5071B & R&s CMW500
暗室	Atenlab M3
测试工程师	CK
温度	25℃
湿度	65% (RH)



S11、SWR、smith chart:

L



R



Antenna active test data

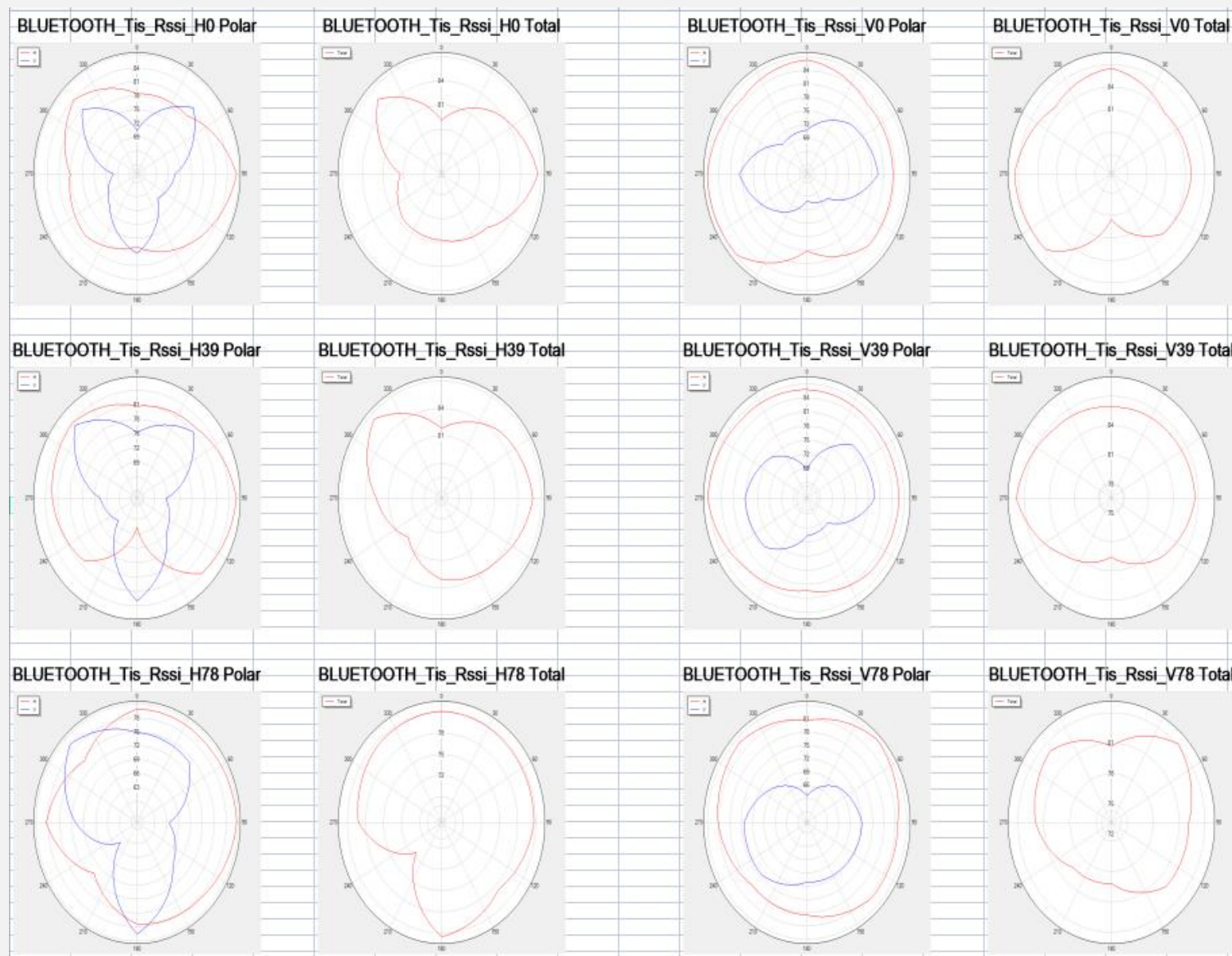
ANT EIRP&EIS parameter Summary (free field)						
频段frequency band	BT 2.4G (L)			BT 2.4G (R)		
信道route	0	39	78	0	39	78
TRP (dBm)	5.87	5.96	5.66	6.88	6.61	6.09
TIS (dBm)	-90.03	-89.79	-89.8	-89.93	-88.86	-89.85

ANT EIRP&EIS parameter Summary (phantom head)						
频段frequency band	BT 2.4G (L)			BT 2.4G (R)		
信道route	0	39	78	0	39	78
TRP (dBm)	1.37	1.46	1.57	1.32	1.47	1.46
TIS (dBm)	-82.19	-81.11	-81.55	-81.44	-81.34	-82.89



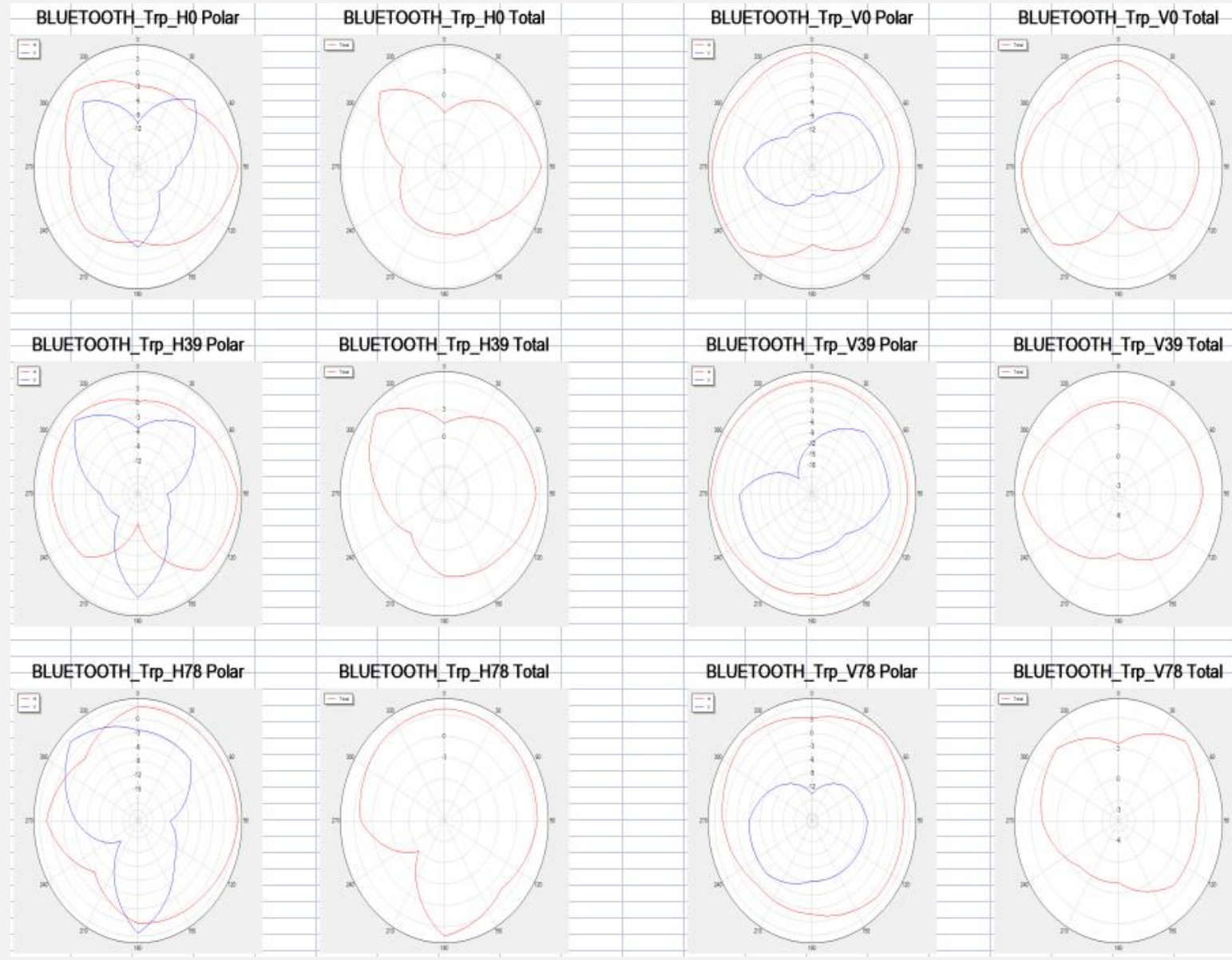
#-L

-L-TIS The antenna pattern of the free field





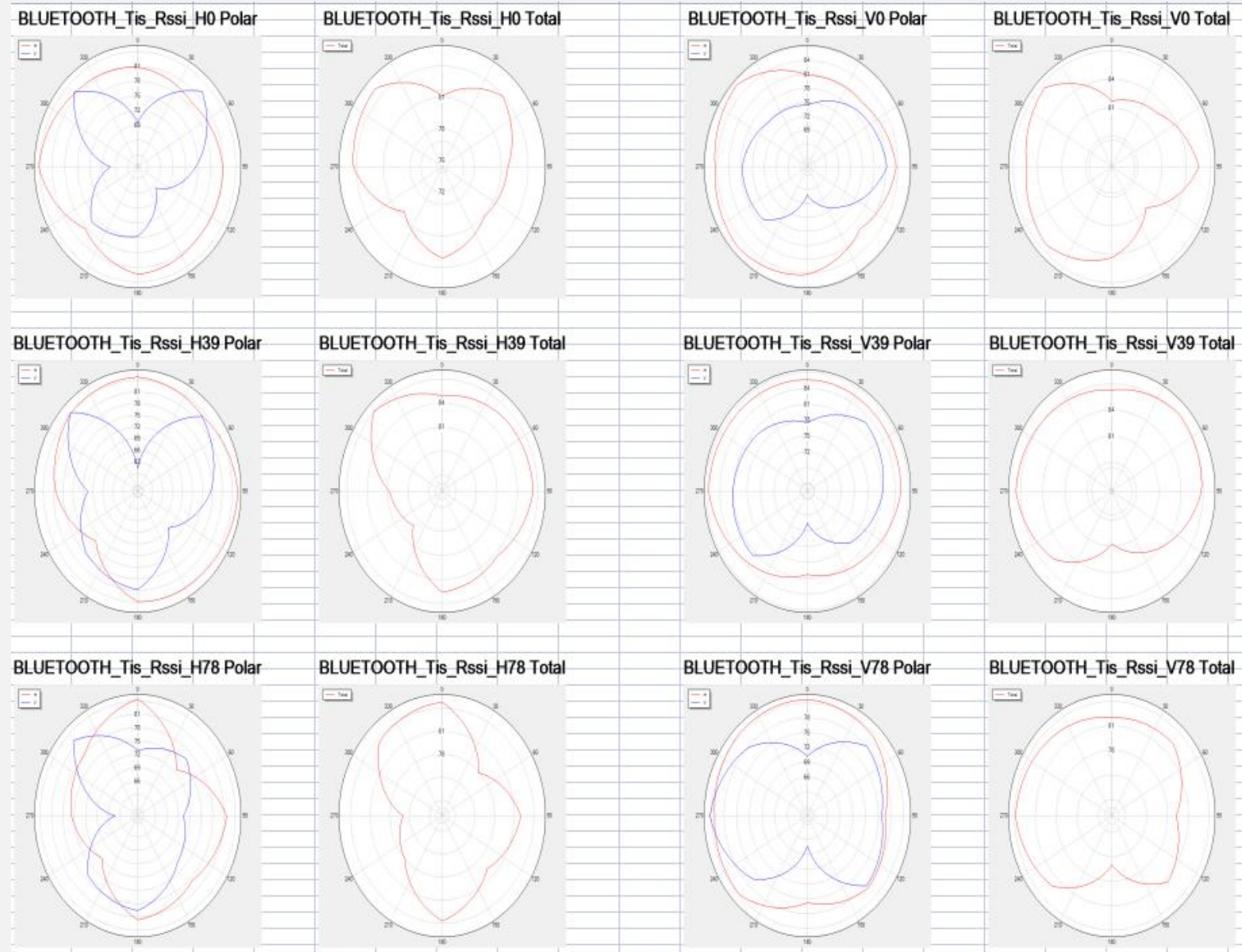
-L-TRP The antenna pattern of the free field





#-R

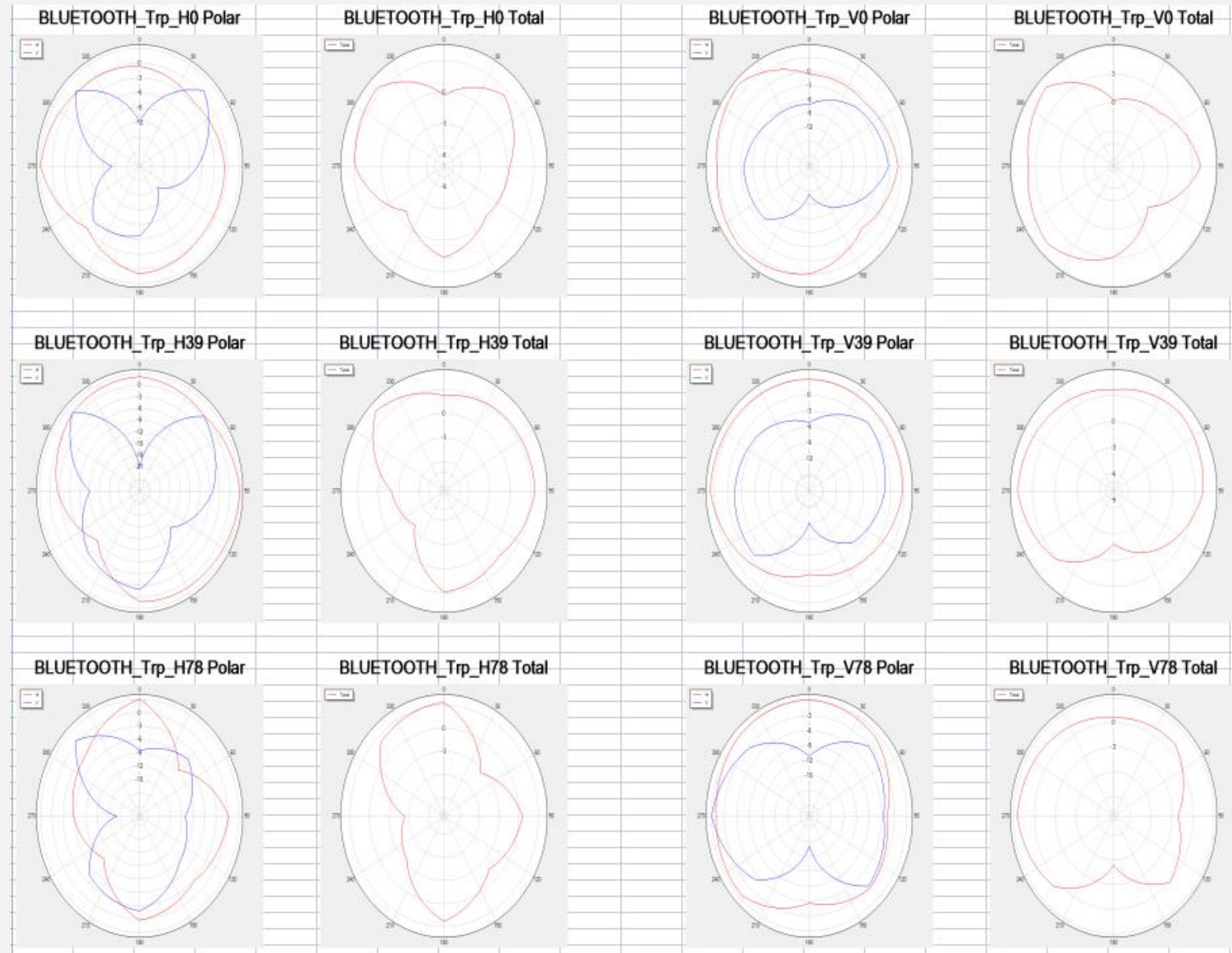
-R-TIS The antenna pattern of the free field





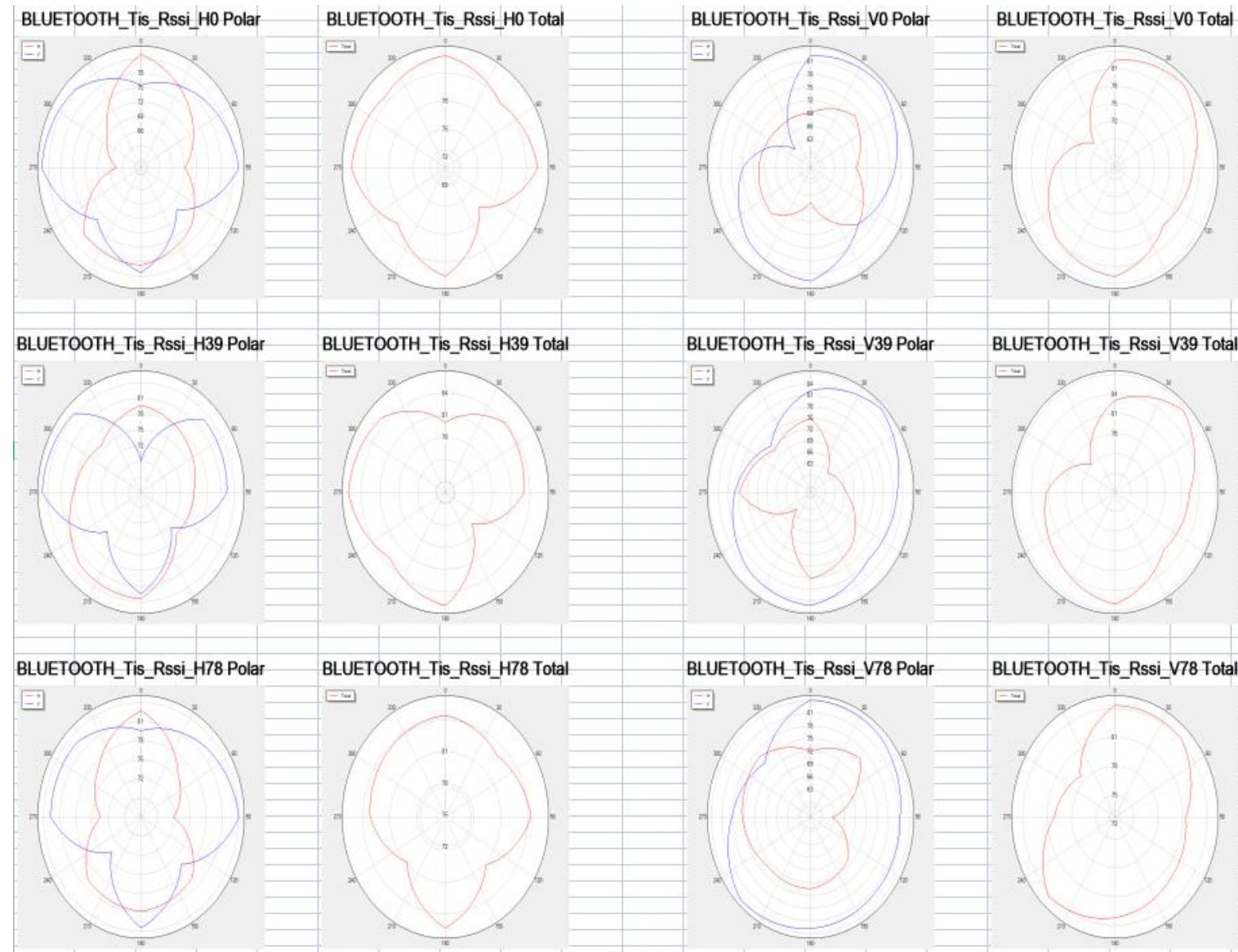
#-R

-R-TRP The antenna pattern of the free field



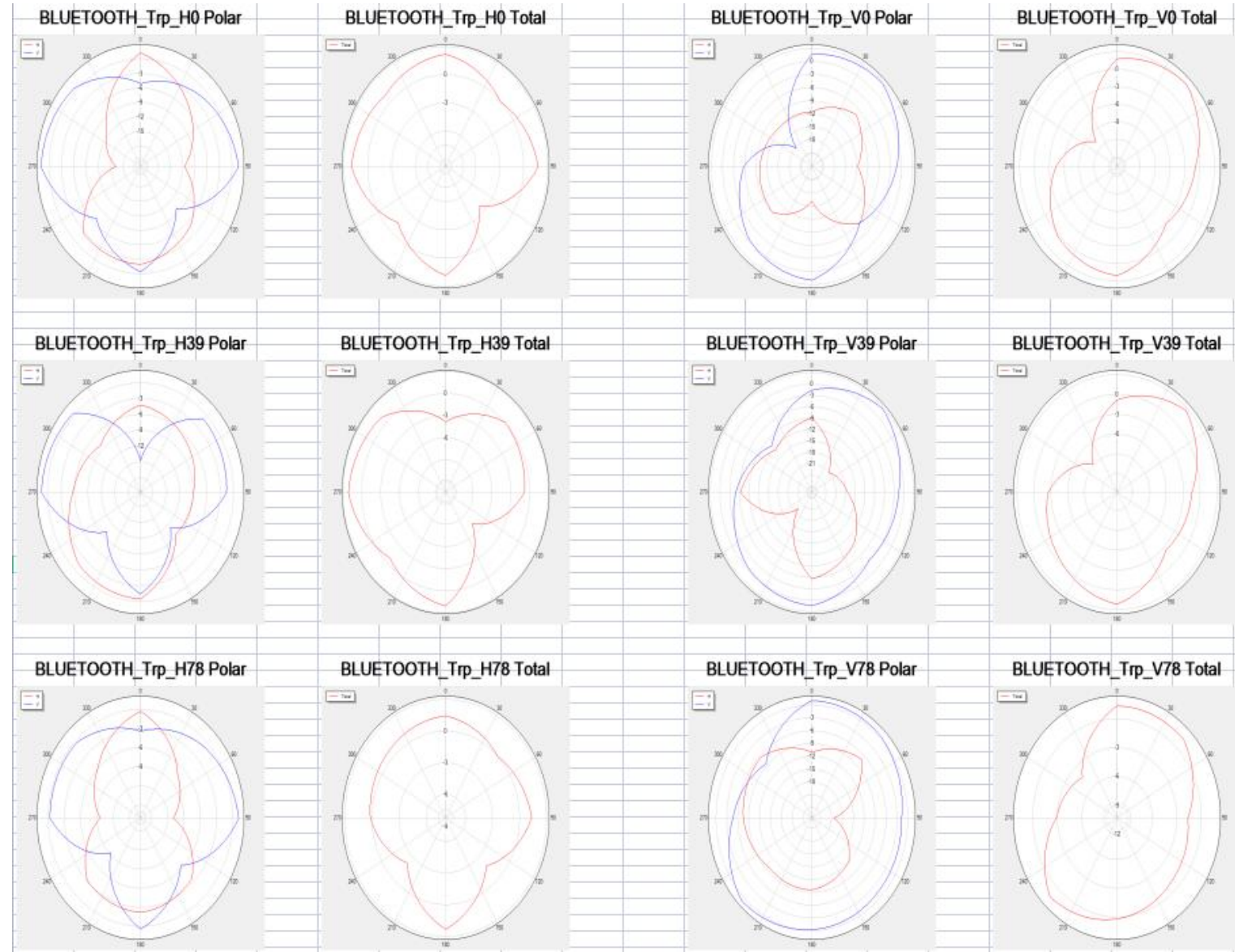
-L-TIS-An antenna pattern simulating a human head

#-L



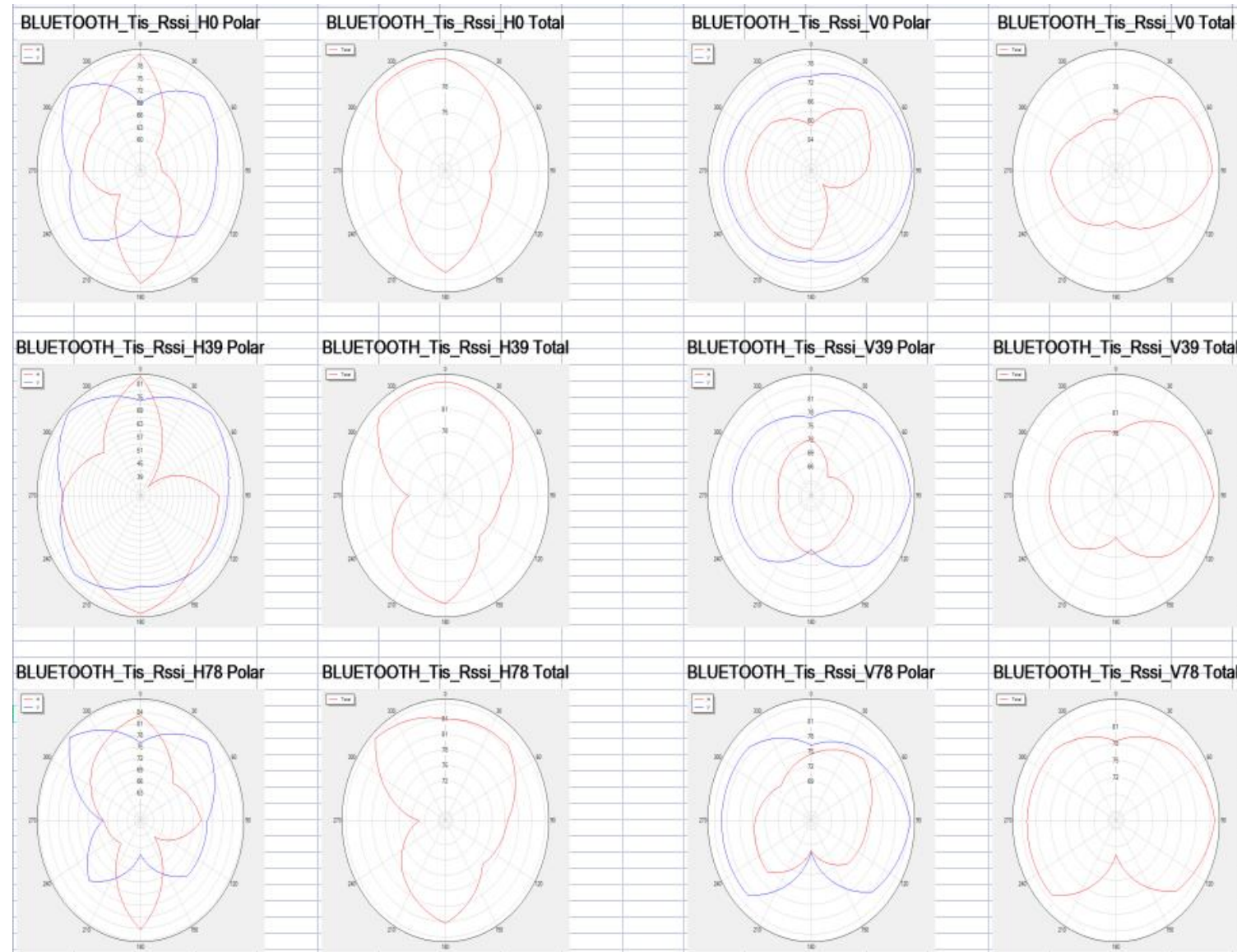
-L-TRP-An antenna pattern simulating a human head

#-L



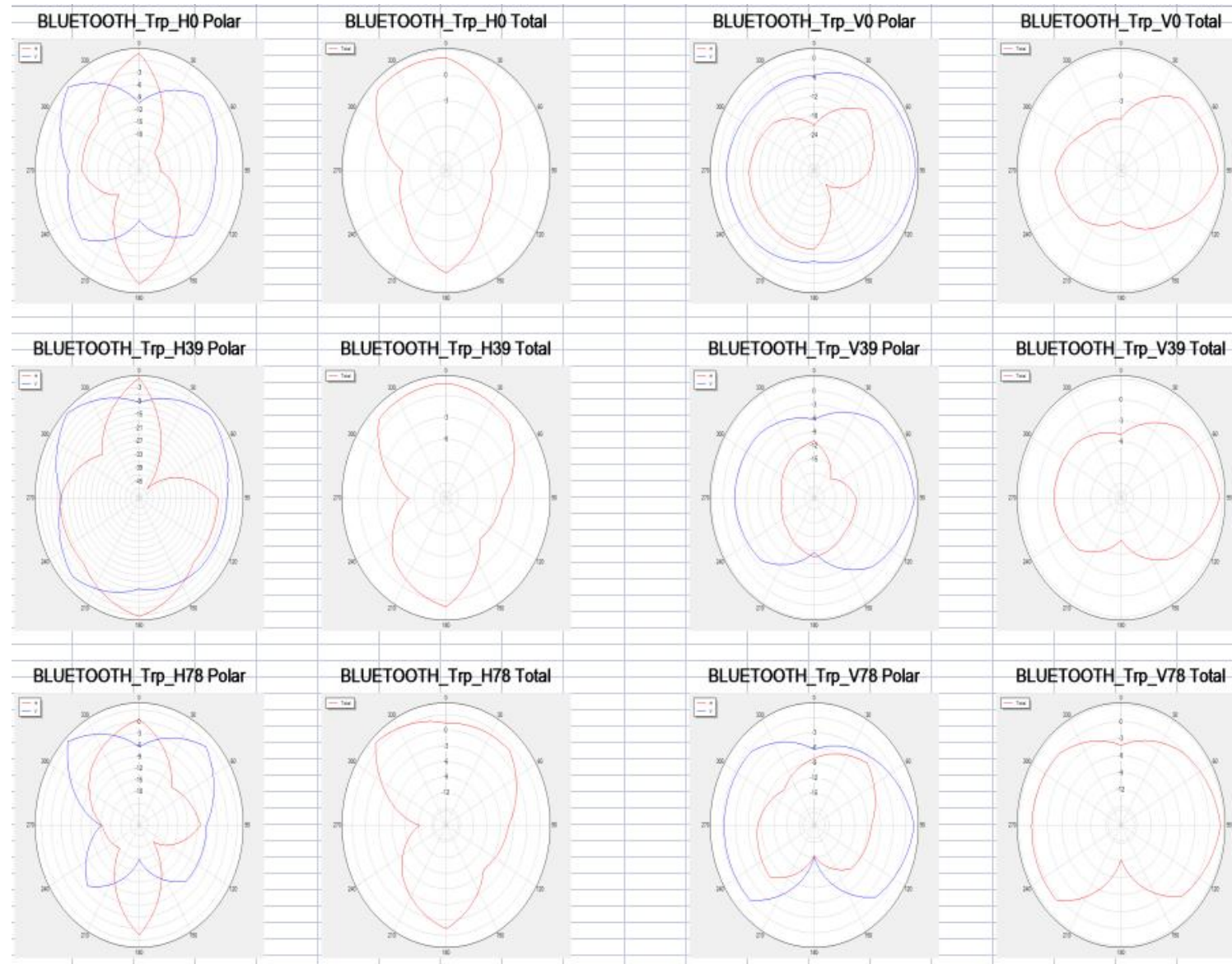
-R-TIS-An antenna pattern simulating a human head

#-R



-L-TRP-An antenna pattern simulating a human head

#-R





Antenna efficiency gain

天线效率与增益图

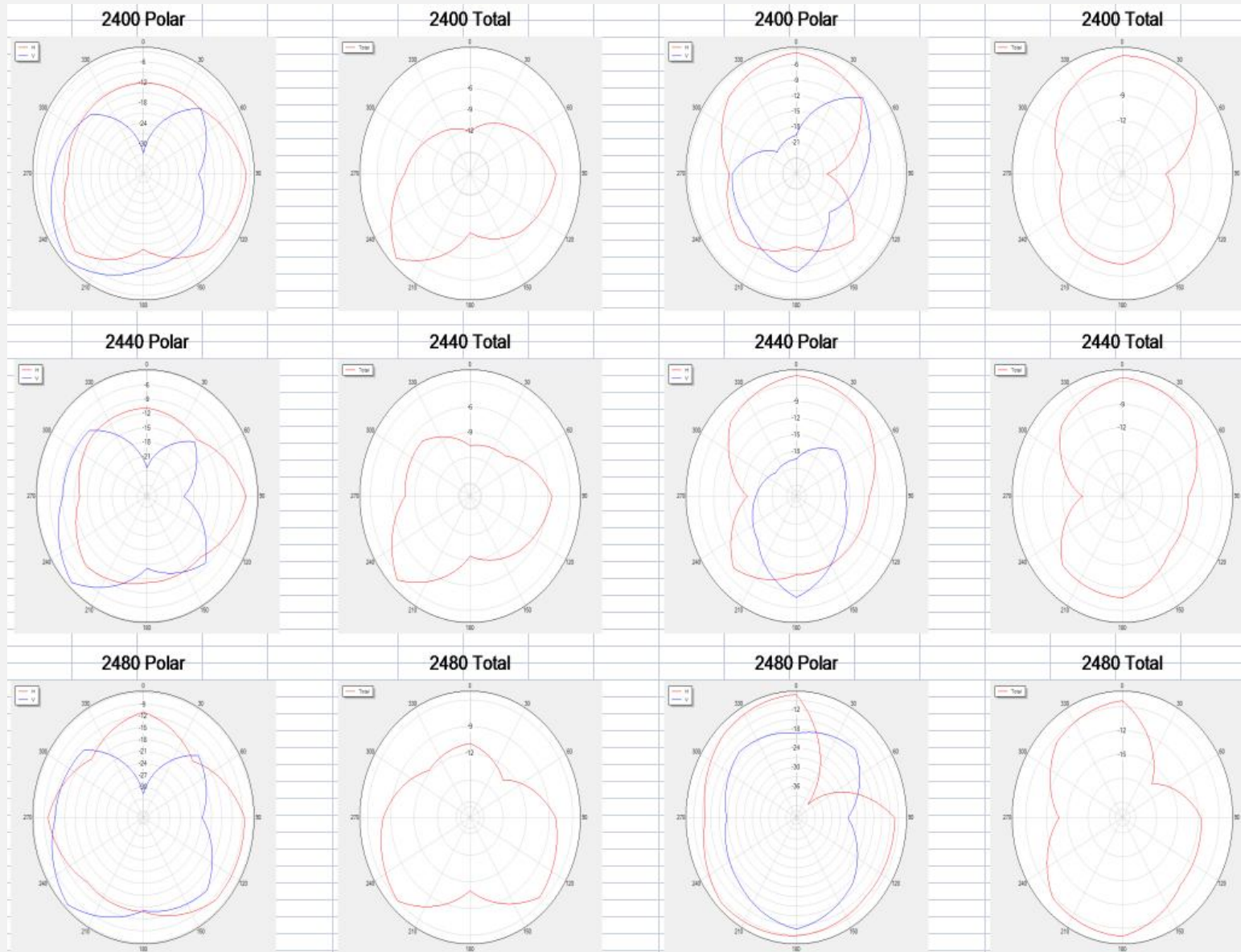


L			
Frequency	Efficiency	percentage	Gain
2400	-4.42	33.62%	-0.19
2440	-4.28	36.18%	-0.13
2480	-4.31	34.22%	-0.2

R			
Frequency	Efficiency	percentage	Gain
2400	-4.75	30.63%	-0.25
2440	-4.19	31.59%	-0.35
2480	-4.52	33.65%	-0.26

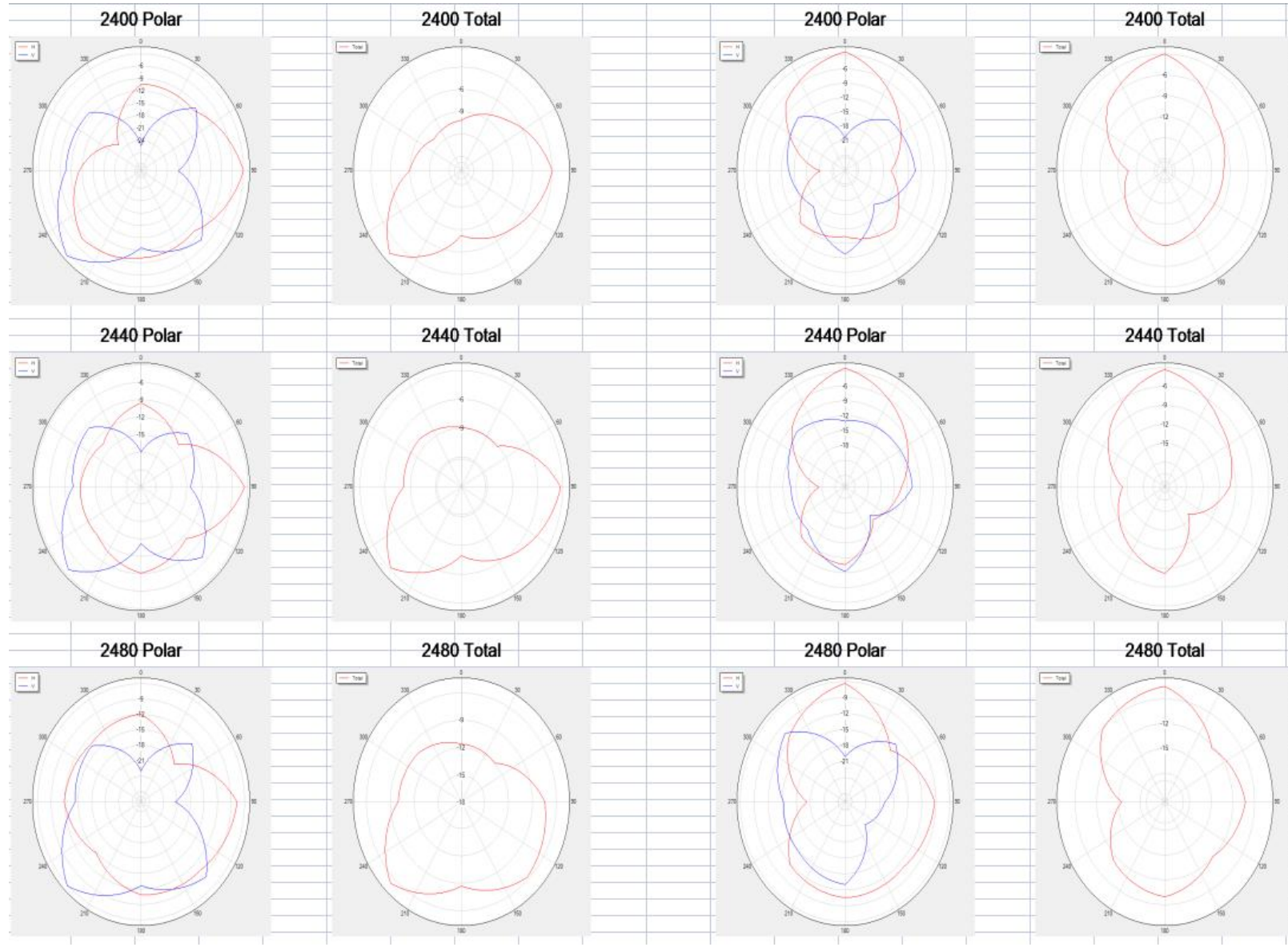
#-R

Antenna radiation pattern 2400.00MHz/2440.00MHz/2480.00MHz



#-L

Antenna radiation pattern 2400.00MHz/2440.00MHz/2480.00MHz



measuring distance

a. Environme

<i>test project</i>	<i>Trying hard not to hear</i>		<i>Pocket test requirement</i>		<i>descr</i>
T8990 V1.0			right front	OK	The iPhone6 was tested over 1 2 + meters in the park
	OK		front-left	OK	
			right rear	OK	
			left rear	OK	

b. summarize

T8990 V1.0 machine actual test, OTA data test, basically distance matching, our park grass test effect is excellent

Thank you for watching

Wish you enjoy your life

2023-5-12