

承认书

APPROVAL

版本: A1

客 户
Client : CABASSE SAS

品 名 规 格
DESCRIPTION: SMA2.4G&5G 3DB

料 号
PART NO.: GDT030-0006

客 户 料 号
CUS PART NO.:

日 期
D A T E: 2021.9-11

呈样签章

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	业 务 SALES DEPARTMENT
田宏	田青	胡海芯

客户承认签章

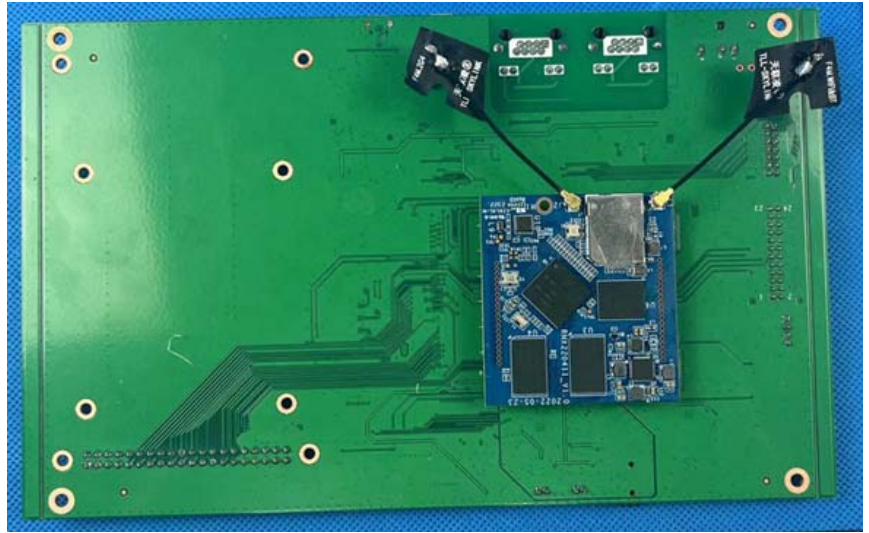
工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	采 购 PURCHASING DEPARTMENT

※ 客户确认样品附意栏:

天线组装图

Antenna Profile

Devie



Antenna



1 Voltage Standing Wave Ration

Frequency (MHz)	2400	2450	2500	5150	5250	5470	5590	5725	5785	5850
<u>VSWR</u>	1.48	1.72	2.00	2.96	2.08	2.64	2.15	1.19	1.56	1.82
<u>Return LOSS</u>	-14.12	-11.64	-9.67	-6.12	-9.34	-6.95	-8.80	-21.51	-13.52	-10.74

Unit:dBi

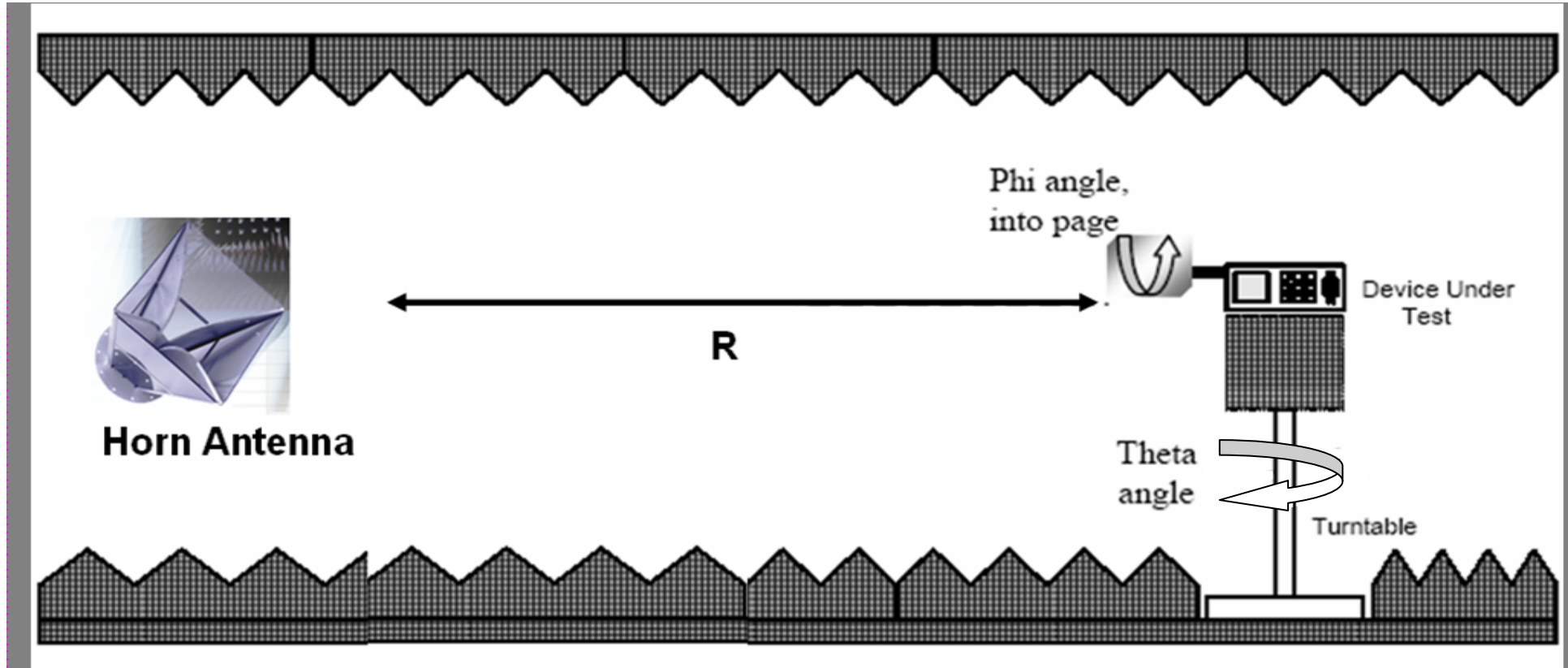
Peak Gain H+V

<u>Frequency</u> <u>(MHz)</u>	2400	2450	2500	5150	5250	5350	5470	5597.5	5725	5785	5850
Peak dBi	0.41	-0.03	-0.52	1.20	1.14	1.08	0.92	1.09	1.16	1.19	1.04
Avg dBi	-2.71	-2.61	-3.22	-3.44	-2.47	-2.58	-3.04	-2.47	-2.12	-2.4	-3.47

Unit:dBi

I 、Antenna Testing Conditions:

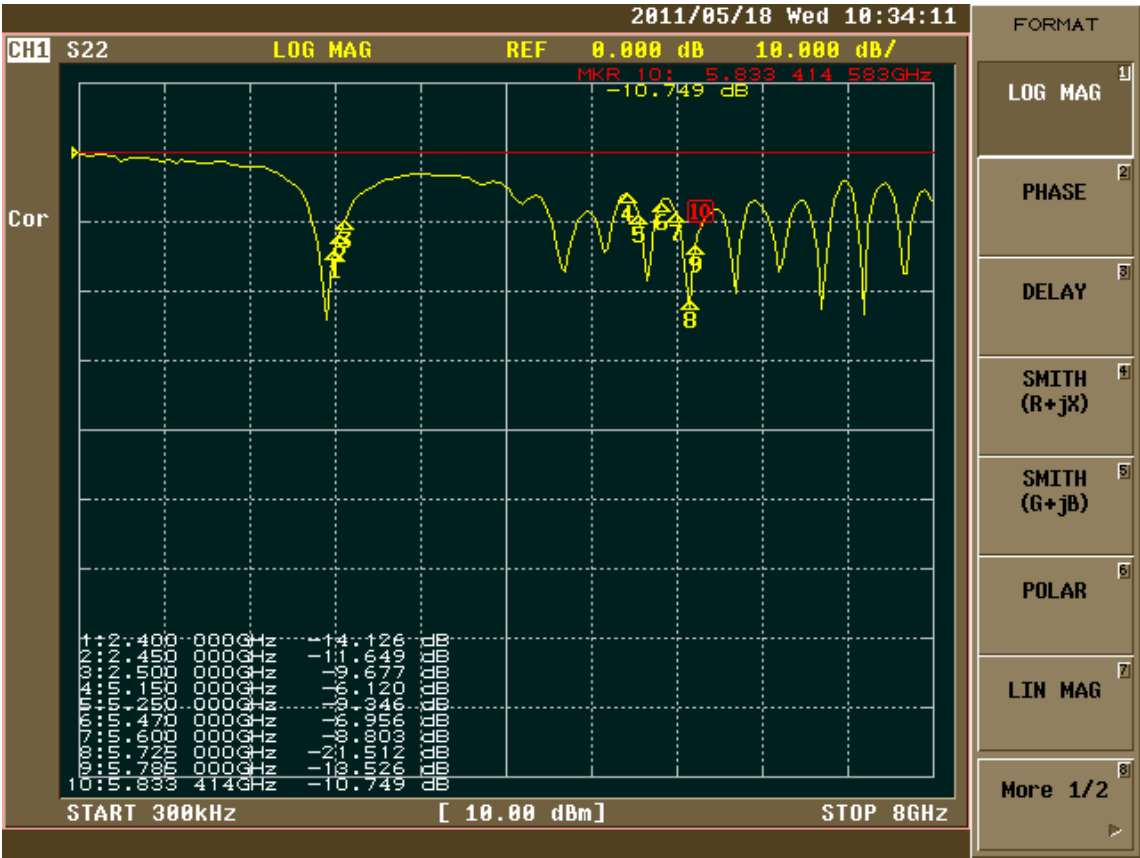
1. Testing set up:



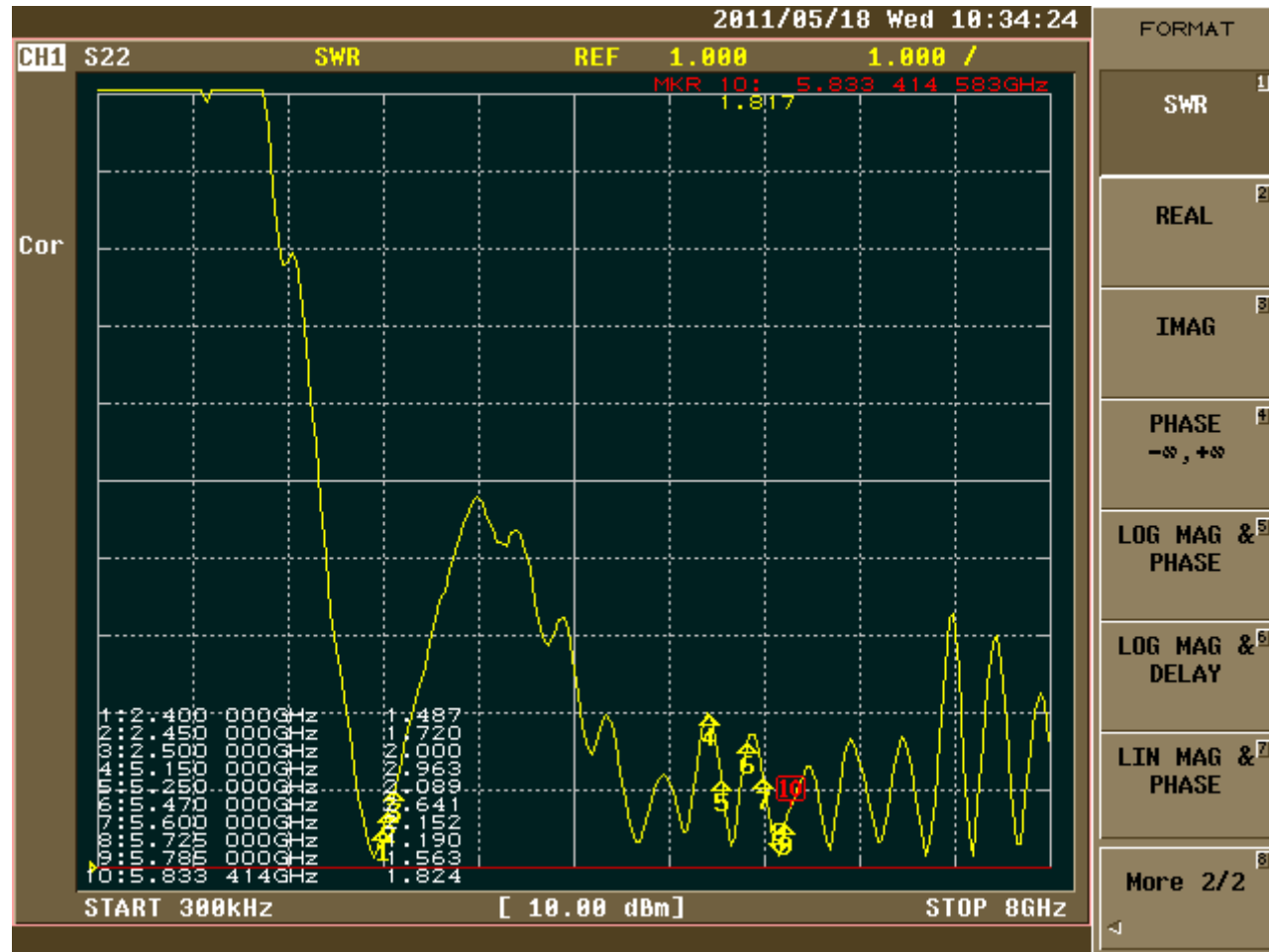
II. Test results

WLAN_No.14	Right Side	Cable diameter : 1.13mm
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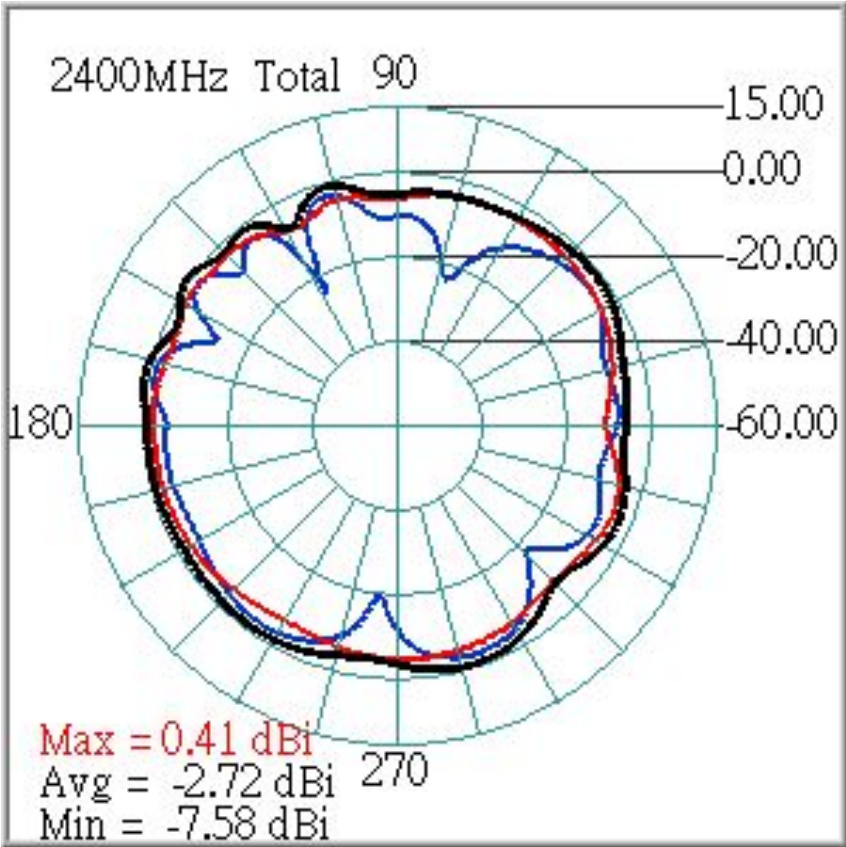
1. Return Loss (2.4GHz-2.5GHz;5.15-5.85GHz)



2. VSWR (2.4GHz-2.5GHz;5.15-5.85GHz)



3. Radiation Pattern of XY Plane(Azimuth)-(Open)



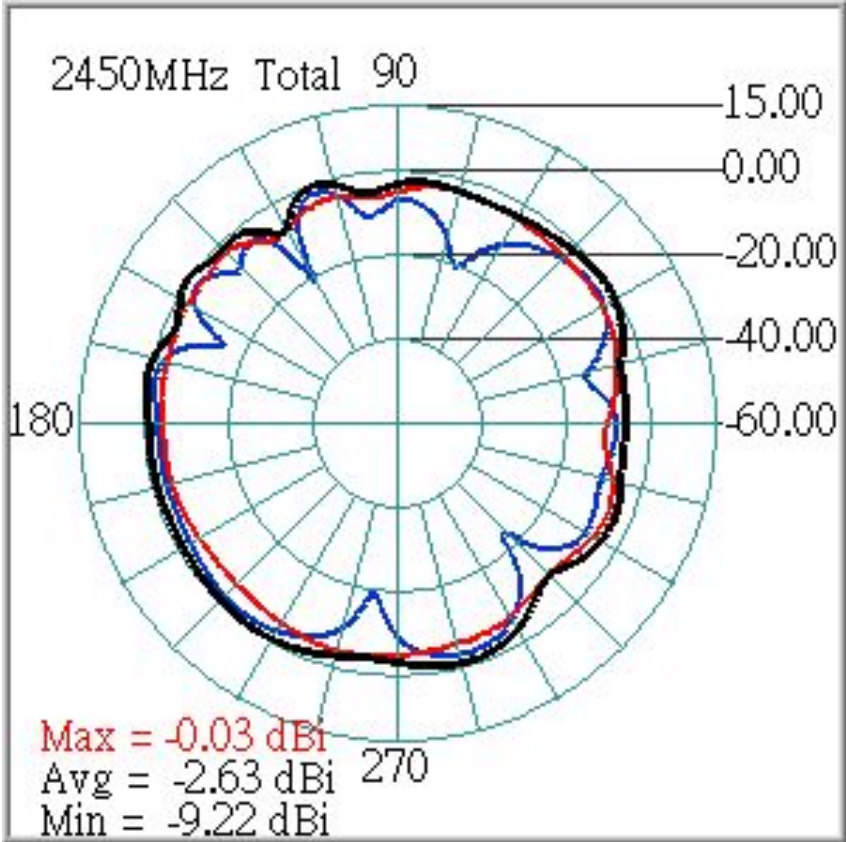
plot color  **Horizontal**

plot color  **Vertical**

plot color  **H+V**

Center Frequency	2400 MHz
Vertical peak Gain (dBi)	-2.03
Vertical Average Gain (dBi)	-6.48
Horizontal peak Gain (dBi)	-2.8
Horizontal Average Gain (dBi)	-5.07
Hori+Vert peak Gain (dBi)	0.41
Hori+Vert Average Gain (dBi)	-2.71

4. Radiation Pattern of XY Plane(Azimuth)-(Open)



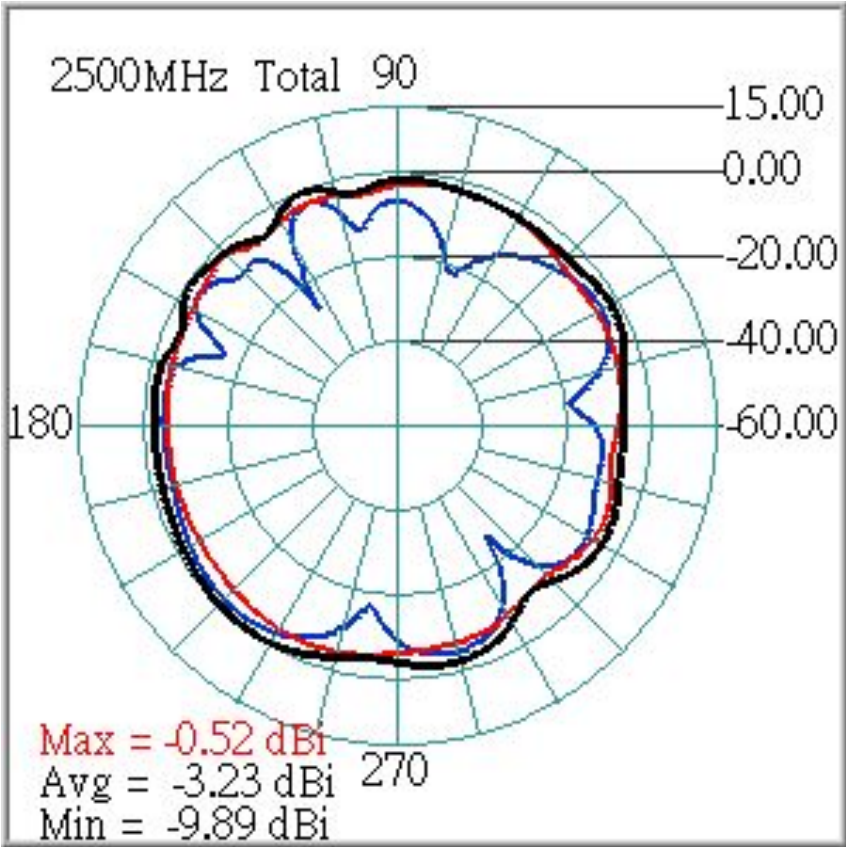
plot color  **Horizontal**

plot color  **Vertical**

plot color  **H+V**

Center Frequency	2450 MHz
Vertical peak Gain (dBi)	-2.15
Vertical Average Gain (dBi)	-5.91
Horizontal peak Gain (dBi)	-3.14
Horizontal Average Gain (dBi)	-5.35
Hori+Vert peak Gain (dBi)	-0.03
Hori+Vert Average Gain (dBi)	-2.61

5. Radiation Pattern of XY Plane(Azimuth)-(Open)



plot color



Horizontal

plot color



Vertical

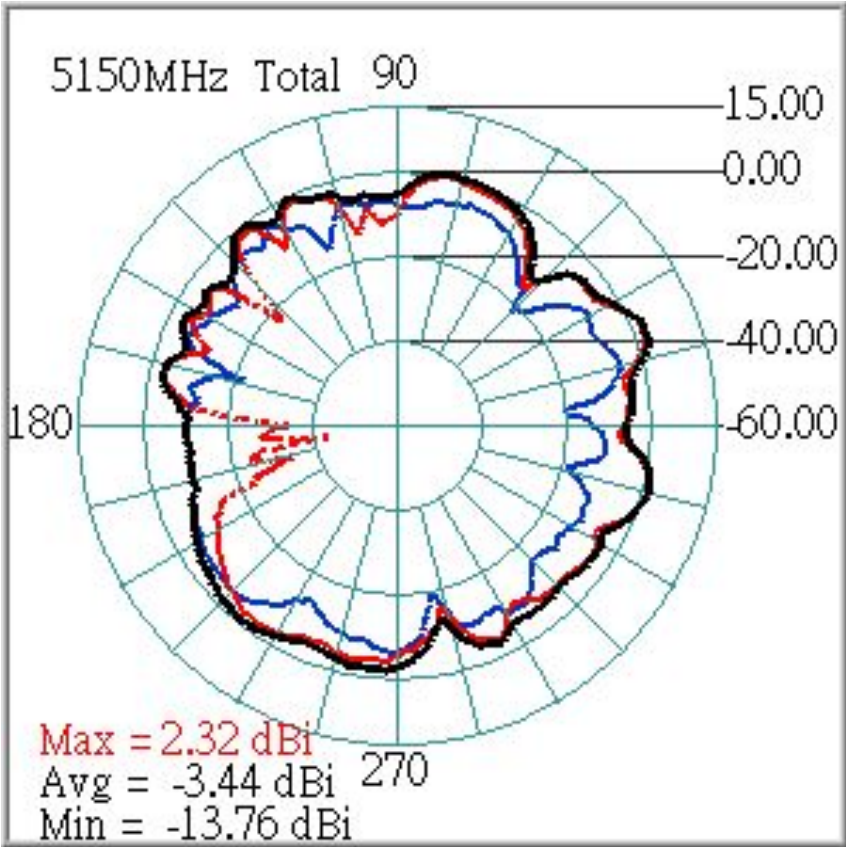
plot color



H+V

Center Frequency	2500 MHz
Vertical peak Gain (dBi)	-2.26
Vertical Average Gain (dBi)	-7.07
Horizontal peak Gain (dBi)	-2.78
Horizontal Average Gain (dBi)	-5.53
Hori+Vert peak Gain (dBi)	-0.52
Hori+Vert Average Gain (dBi)	-3.22

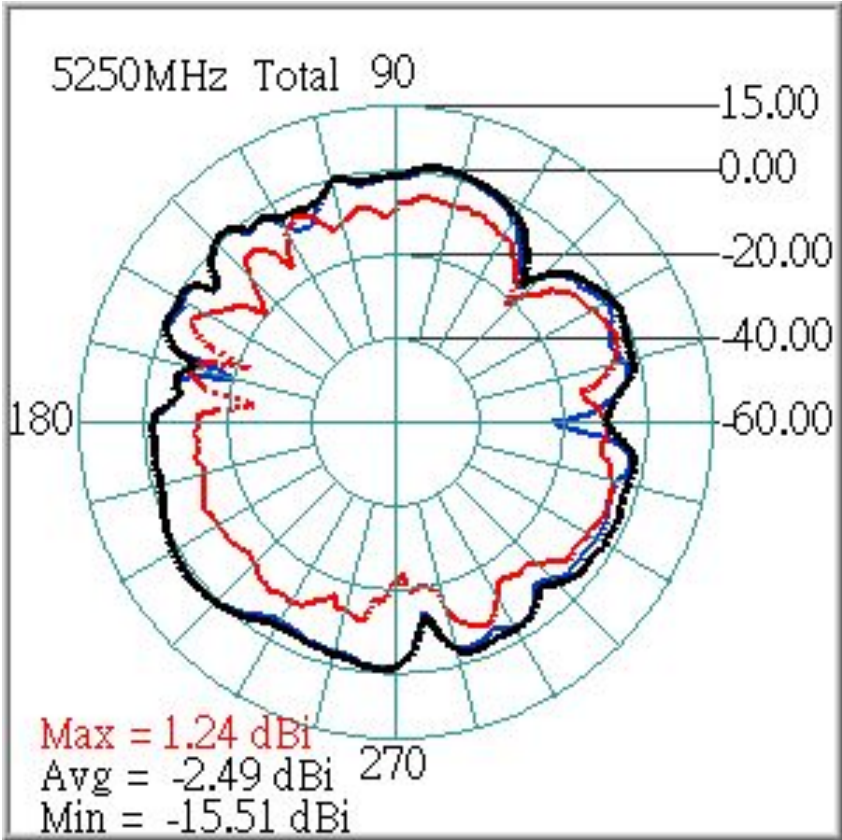
6. Radiation Pattern of XY Plane(Azimuth)-(Open)



plot color		Horizontal
plot color		Vertical
plot color		H+V

Center Frequency	5150 MHz
Vertical peak Gain (dBi)	-4.84
Vertical Average Gain (dBi)	-9.07
Horizontal peak Gain (dBi)	1.9
Horizontal Average Gain (dBi)	-4.83
Hori+Vert peak Gain (dBi)	1.20
Hori+Vert Average Gain (dBi)	-3.44

7. Radiation Pattern of XY Plane(Azimuth)-(Open)



plot color



Horizontal

plot color



Vertical

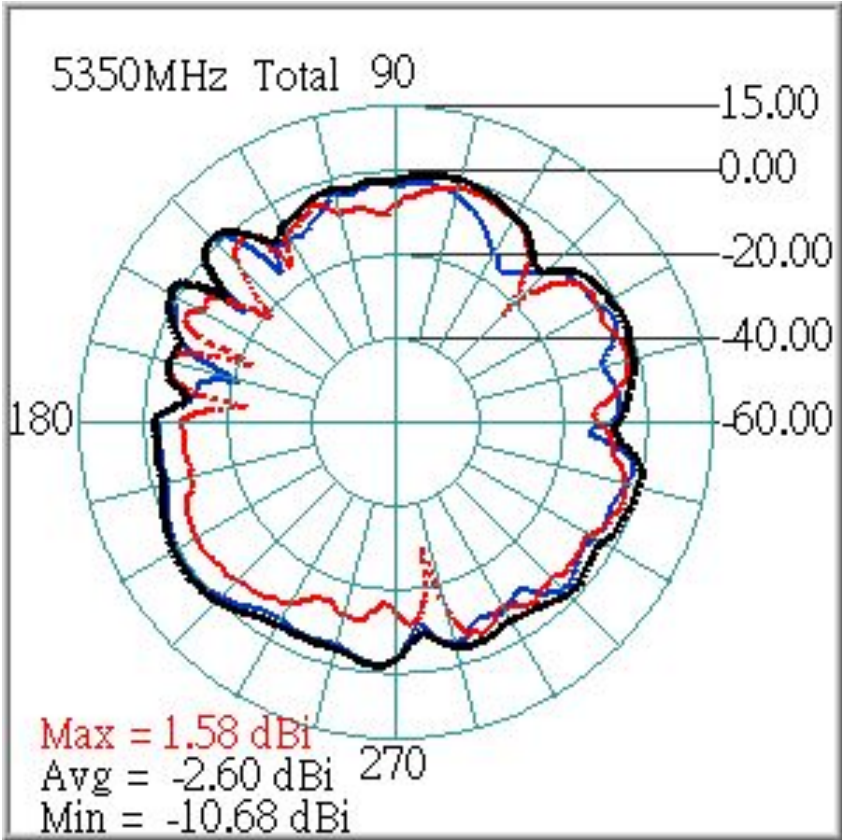
plot color



H+V

Center Frequency	5250 MHz
Vertical peak Gain (dBi)	0.87
Vertical Average Gain (dBi)	-3.38
Horizontal peak Gain (dBi)	-3.48
Horizontal Average Gain (dBi)	-9.73
Hori+Vert peak Gain (dBi)	1.14
Hori+Vert Average Gain (dBi)	-2.47

8. Radiation Pattern of XY Plane(Azimuth)-(Open)



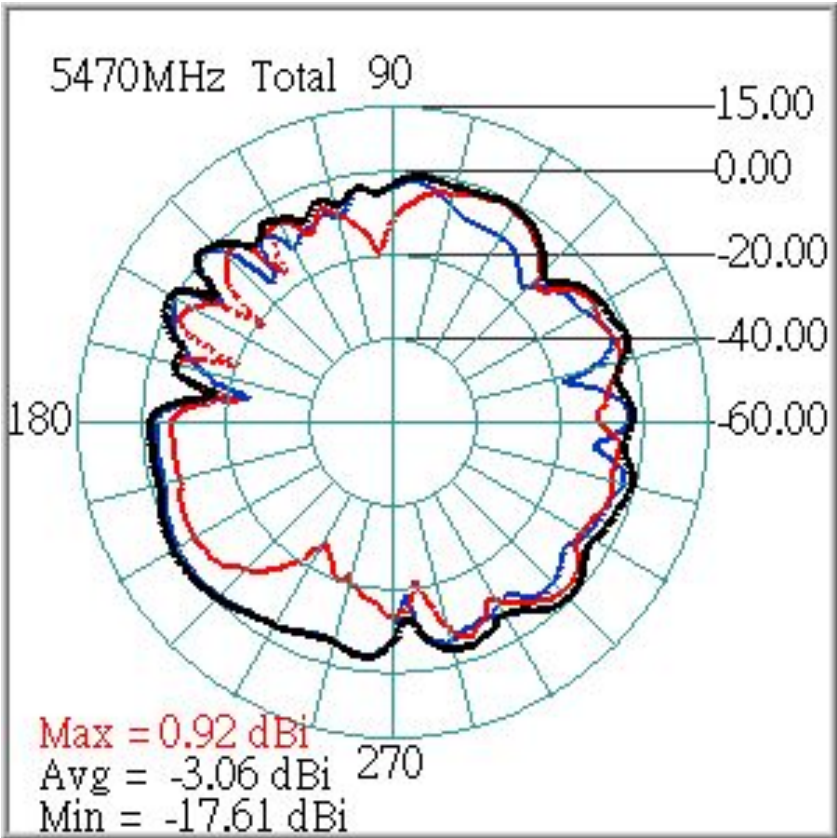
plot color  **Horizontal**

plot color  **Vertical**

plot color  **H+V**

Center Frequency	5350 MHz
Vertical peak Gain (dBi)	1.02
Vertical Average Gain (dBi)	-4.57
Horizontal peak Gain (dBi)	-2.49
Horizontal Average Gain (dBi)	-6.91
Hori+Vert peak Gain (dBi)	1.08
Hori+Vert Average Gain (dBi)	-2.58

9. Radiation Pattern of XY Plane(Azimuth)-(Open)



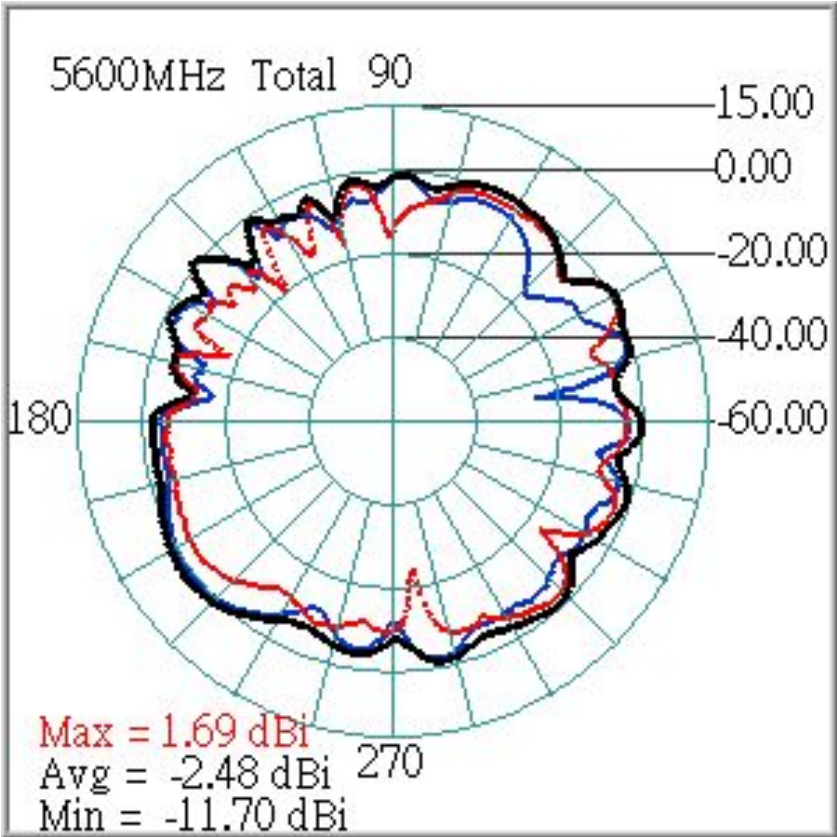
plot color  **Horizontal**

plot color  **Vertical**

plot color  **H+V**

Center Frequency	5470 MHz
Vertical peak Gain (dBi)	0.45
Vertical Average Gain (dBi)	-5.28
Horizontal peak Gain (dBi)	-1.63
Horizontal Average Gain (dBi)	-6.98
Hori+Vert peak Gain (dBi)	0.92
Hori+Vert Average Gain (dBi)	-3.04

10. Radiation Pattern of XY Plane(Azimuth)-(Open)



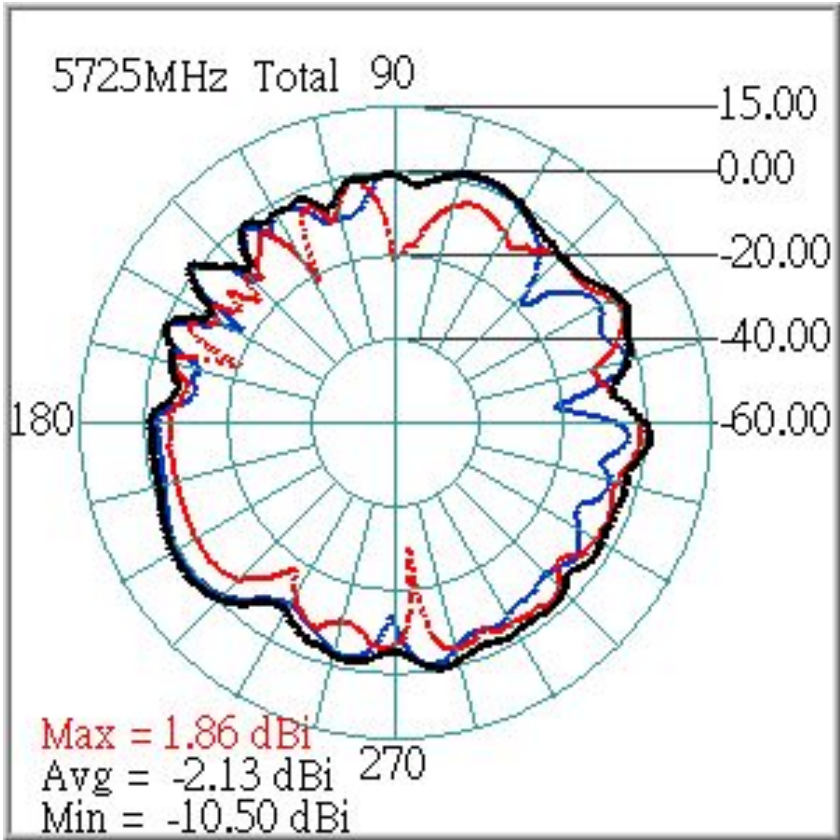
plot color  **Horizontal**

plot color  **Vertical**

plot color  **H+V**

Center Frequency	5597 MHz
Vertical peak Gain (dBi)	0.33
Vertical Average Gain (dBi)	-5.04
Horizontal peak Gain (dBi)	0.34
Horizontal Average Gain (dBi)	-5.96
Hori+Vert peak Gain (dBi)	1.09
Hori+Vert Average Gain (dBi)	-2.47

11. Radiation Pattern of XY Plane(Azimuth)-(Open)



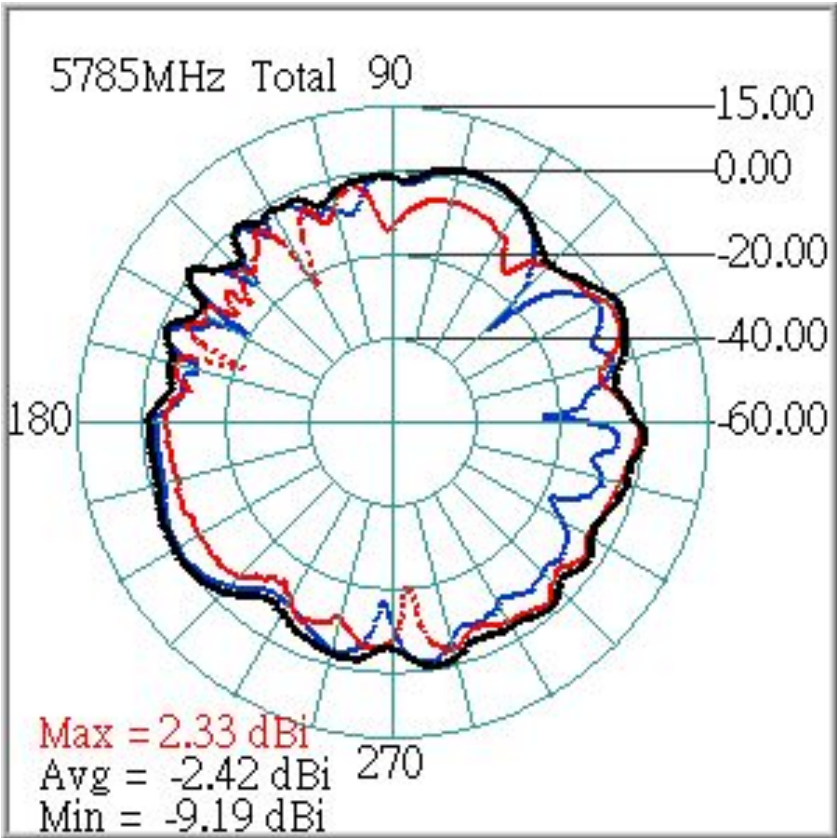
plot color  **Horizontal**

plot color  **Vertical**

plot color  **H+V**

Center Frequency	5725 MHz
Vertical peak Gain (dBi)	0.89
Vertical Average Gain (dBi)	-4.33
Horizontal peak Gain (dBi)	0.2
Horizontal Average Gain (dBi)	-6.1
Hori+Vert peak Gain (dBi)	1.16
Hori+Vert Average Gain (dBi)	-2.12

12. Radiation Pattern of XY Plane(Azimuth)-(Open)



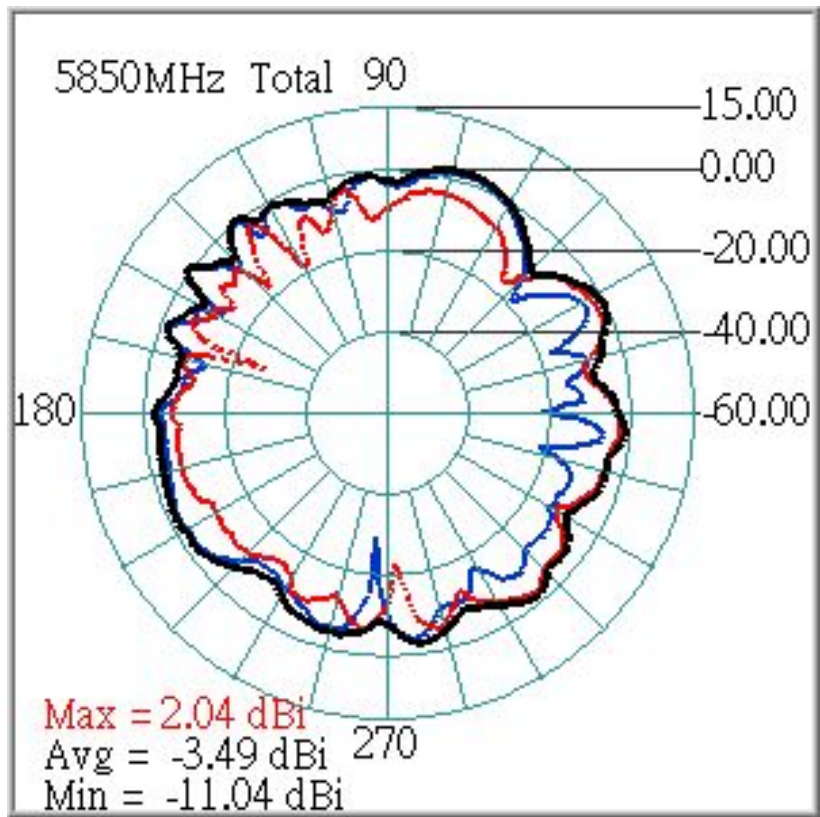
plot color  **Horizontal**

plot color  **Vertical**

plot color  **H+V**

Center Frequency	5785 MHz
Vertical peak Gain (dBi)	1.64
Vertical Average Gain (dBi)	-4.68
Horizontal peak Gain (dBi)	-0.8
Horizontal Average Gain (dBi)	-6.3
Hori+Vert peak Gain (dBi)	1.19
Hori+Vert Average Gain (dBi)	-2.4

13. Radiation Pattern of XY Plane(Azimuth)-(Open)



plot color



Horizontal

plot color



Vertical

plot color



H+V

Center Frequency	5850 MHz
Vertical peak Gain (dBi)	1.1
Vertical Average Gain (dBi)	-5.7
Horizontal peak Gain (dBi)	-2.14
Horizontal Average Gain (dBi)	-7.44
Hori+Vert peak Gain (dBi)	1.04
Hori+Vert Average Gain (dBi)	-3.47