



ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

RoHS & Halogen Free & REACH Compliance.

SPECIFICATION FOR APPROVAL

CUSTOMER : VINFAST

CUSTOMER P/N : EEP30005804

OUR DWG No : V01.002

QUANTITY : _____ **Pcs.** **DATE :** 2020/08/12

ITEM : BTMA0070302G4C1A01

SPECIFICATION ACCEPTED BY:	
COMPONENT ENGINEER	Pham Van Tuan
ELECTRICAL ENGINEER	Pham Van Tuan
MECHANICAL ENGINEER	Tran Van Tien
APPROVED	Dinh Duc Hiep
REJECTED	

奇力新電子股份有限公司
Chilisin Electronics Corp
No. 29, Alley 301, Tehsin Rd.,
Hukou, Hsinchu 303, Taiwan
TEL : +886-3- 599-2646
FAX : +886-3- 599-9176
E-mail : sales@chilisin.com
http : //www.chilisin.com

奇力新電子(越南廠)有限公司
Chilisin Electronics (Vietnam) Limited
No 143 - 145, Road No 10, VSIP Hai
Phong, Lap Le Commune, Thuy Nguyen
Dist, Haiphong City, Vietnam
Tel: 84-316 255 688 Fax: 84-316 255 689
E-mail : sales@chilisin.com

東莞奇力新電子(東莞廠)有限公司
Chilisin Electronics (Dongguan) Co., Ltd.
No. 78, Puxing Rd., Yuliangwei Administration Area,
Qingxi Town, Dongguan City, Guangdong, China
TEL : +86-769-8773-0251~3
FAX : +86-769-8773-0232
E-mail : cect@chilisin.com

奇力新電子(湖南廠)有限公司
HuNan Chilisin Electronics Technology Co., Ltd
No. 8, Shaziao Liangshuijing Town, Yuanling County,
Huaihua City, Hunan Province 419601, China
Tel : 86-745-867-5882
E-mail : cect@chilisin.com

DRAWN BY L.T.Dung	CHECKED BY P.V.Tuan & T.V.Tien	APPROVED BY D.D.Hiep
----------------------	-----------------------------------	-------------------------



ISO9001 & ISO14001 & TS16949 CHILISIN ELECTRONICS CORP.

ELECTRICAL CHARACTERISTICS

P/NO: BTMA0070302G4C1A01

S-Parameter One Single Metal Cover

Ant2. S11

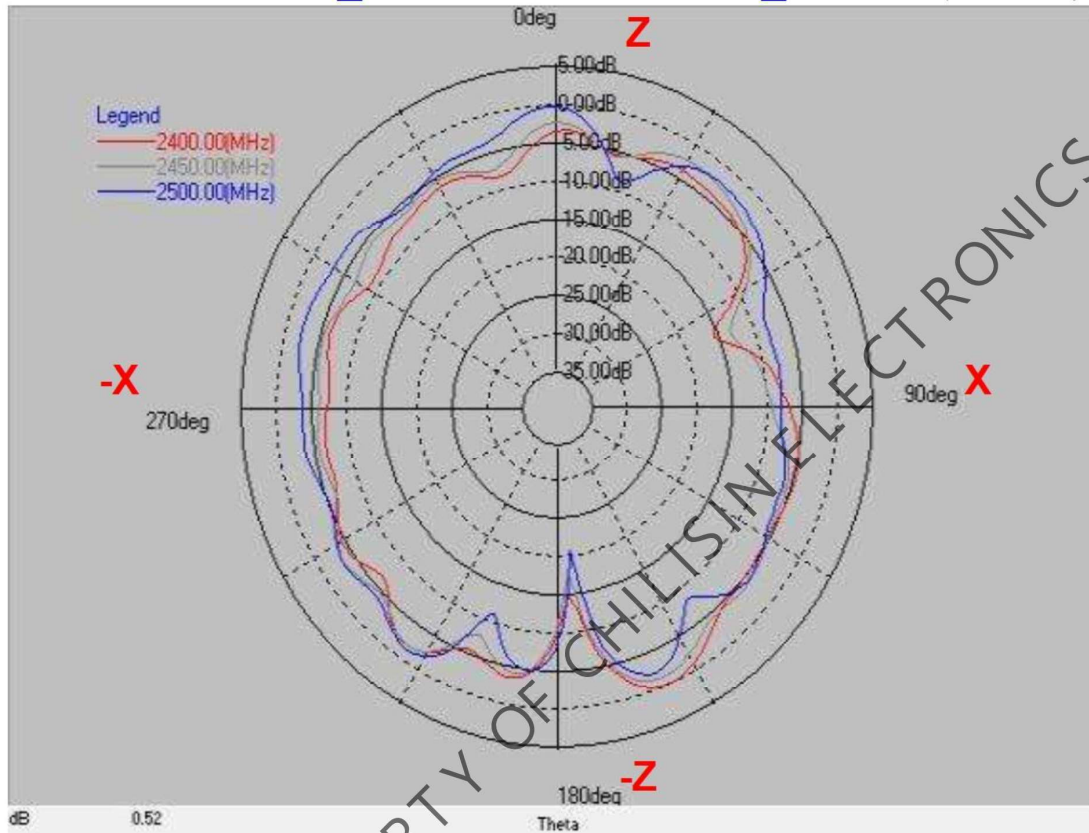
Ant1. S22





ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

2D Gain Pattern_WiFi-2G2 Antenna_ZX Cut(Phi=0)

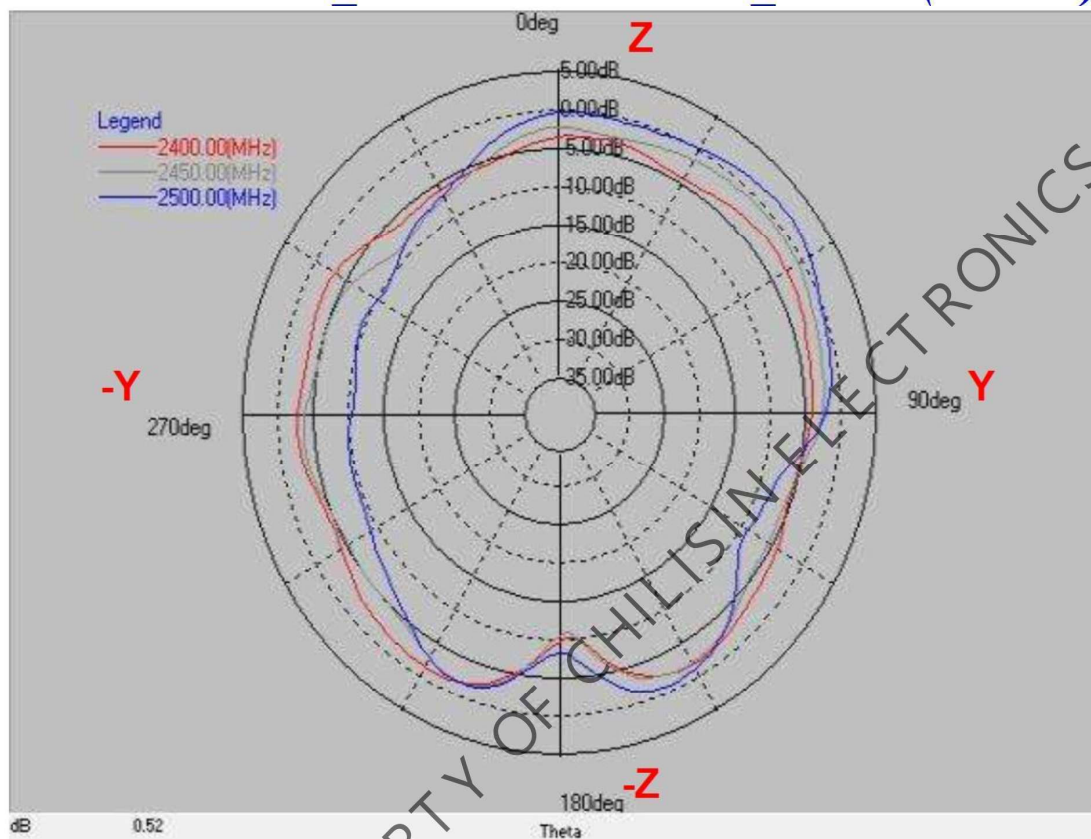


Layer	Max value	Min value	Average
2400(MHz)	-0.16 dB	-15.70 dB	-5.36 dB
2450(MHz)	-1.34 dB	-17.92 dB	-5.13 dB
2500(MHz)	-0.47 dB	-20.97 dB	-4.40 dB



ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

2D Gain Pattern_WiFi-2G2 Antenna_ZY Cut(Phi=90)

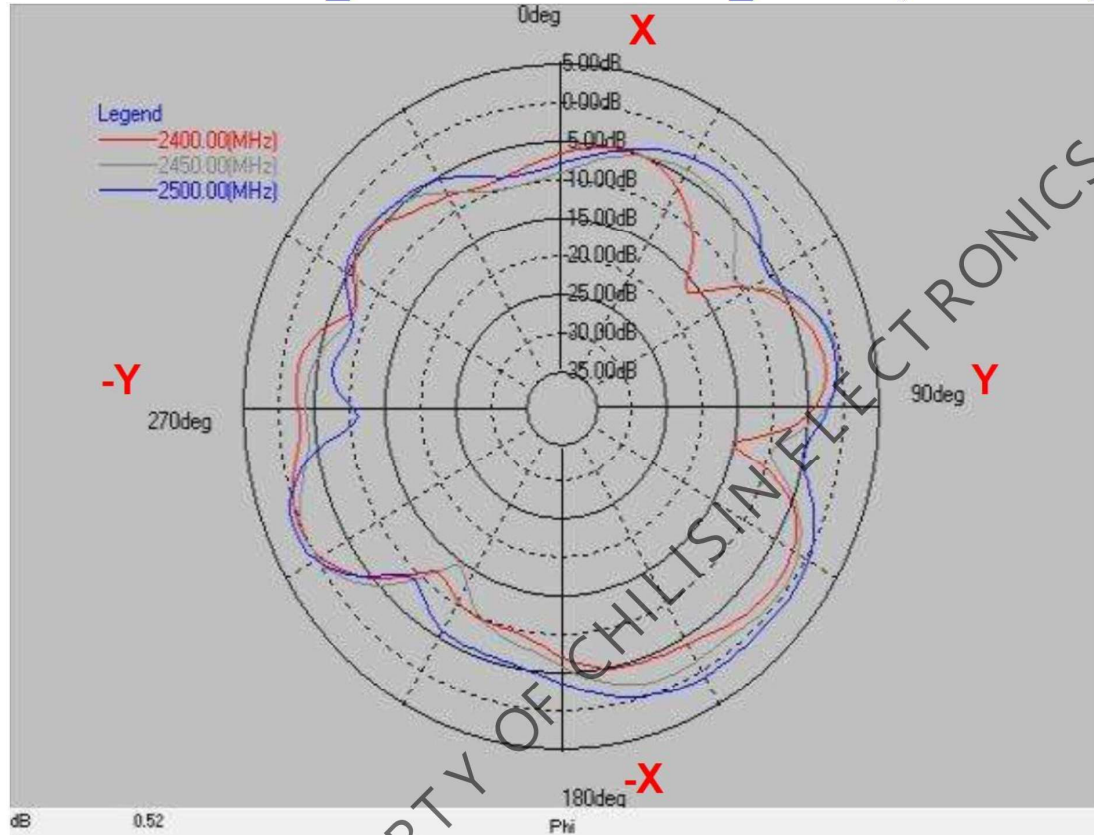


Layer	Max value	Min value	Average
2400(MHz)	-1.54 dB	-10.48 dB	-3.77 dB
2450(MHz)	-0.62 dB	-11.13 dB	-3.71 dB
2500(MHz)	1.74 dB	-10.85 dB	-3.15 dB



ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

2D Gain Pattern_WiFi-2G2 Antenna_XY Cut(Theta=90)

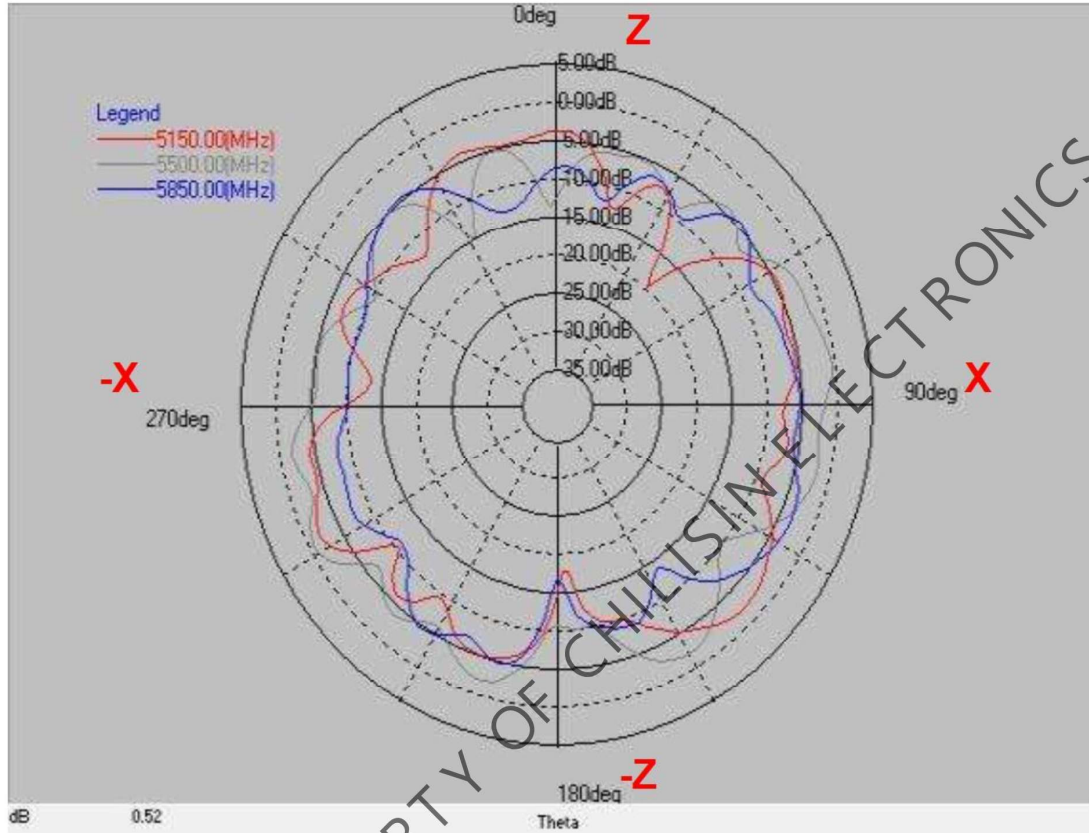


Layer	Max value	Min value	Average
2400(MHz)	0.35 dB	-16.61 dB	-4.88 dB
2450(MHz)	0.14 dB	-14.67 dB	-4.10 dB
2500(MHz)	1.20 dB	-11.20 dB	-2.91 dB



ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

2D Gain Pattern_WiFi-5G2 Antenna_ZX Cut(Phi=0)

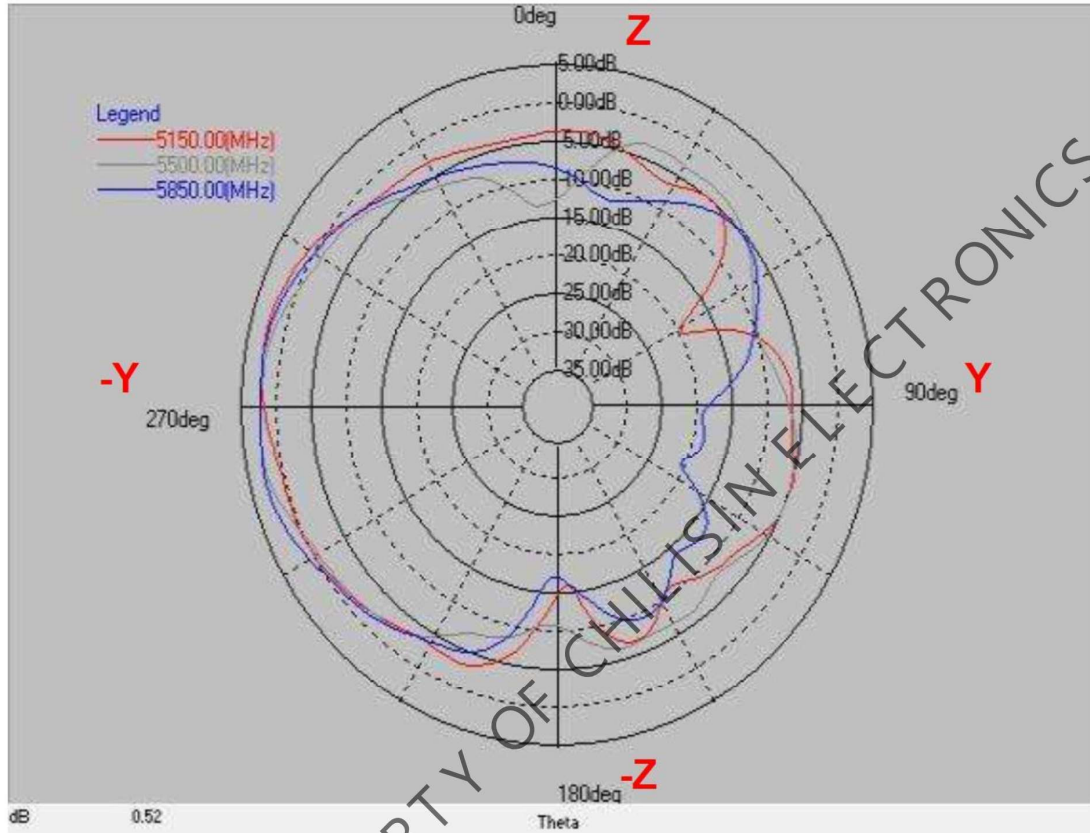


Layer	Max value	Min value	Average
5150(MHz)	-2.05 dB	-19.98 dB	-6.45 dB
5500(MHz)	-0.43 dB	-15.13 dB	-4.60 dB
5850(MHz)	-3.19 dB	-17.33 dB	-7.40 dB



ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

2D Gain Pattern_WiFi-5G2 Antenna_ZY Cut(Phi=90)

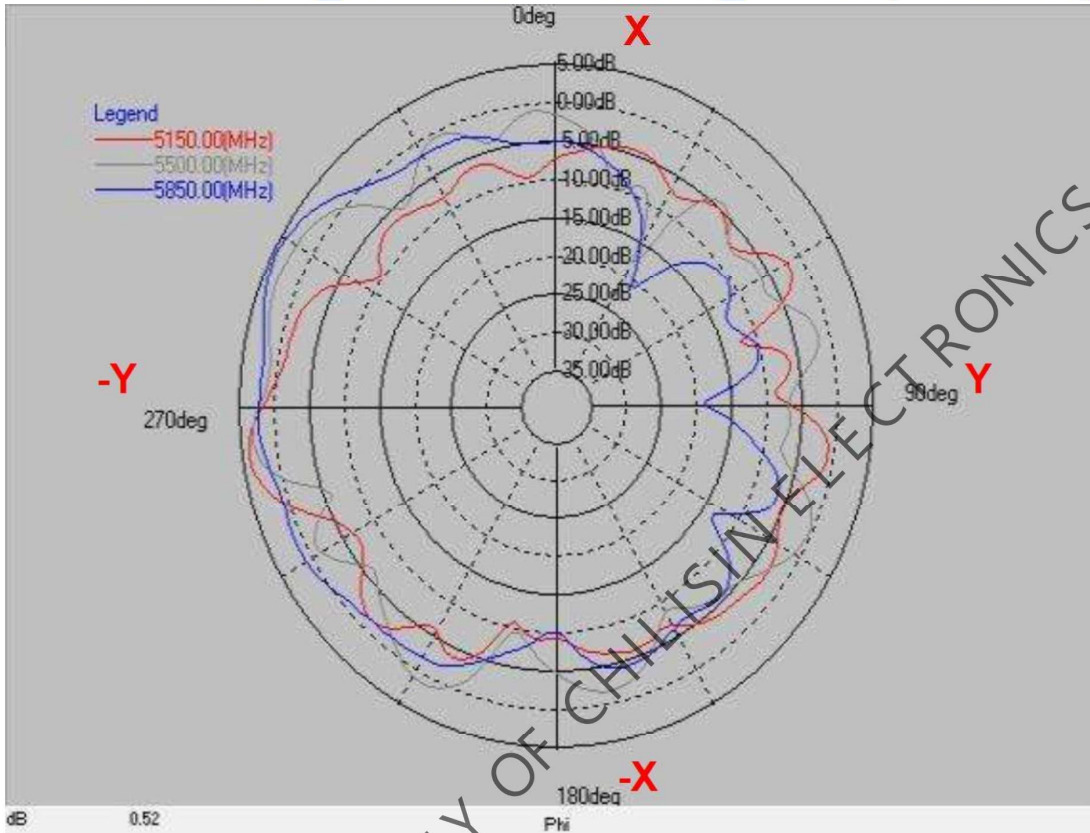


Layer	Max value	Min value	Average
5150(MHz)	2.46 dB	-19.91 dB	-3.08 dB
5500(MHz)	2.58 dB	-13.57 dB	-3.33 dB
5850(MHz)	2.77 dB	-20.72 dB	-3.46 dB



ISO9001 & ISO14001 & TS16949 CHILISIN ELECTRONICS CORP.

2D Gain Pattern_WiFi-5G2 Antenna_XY Cut(Theta=90)

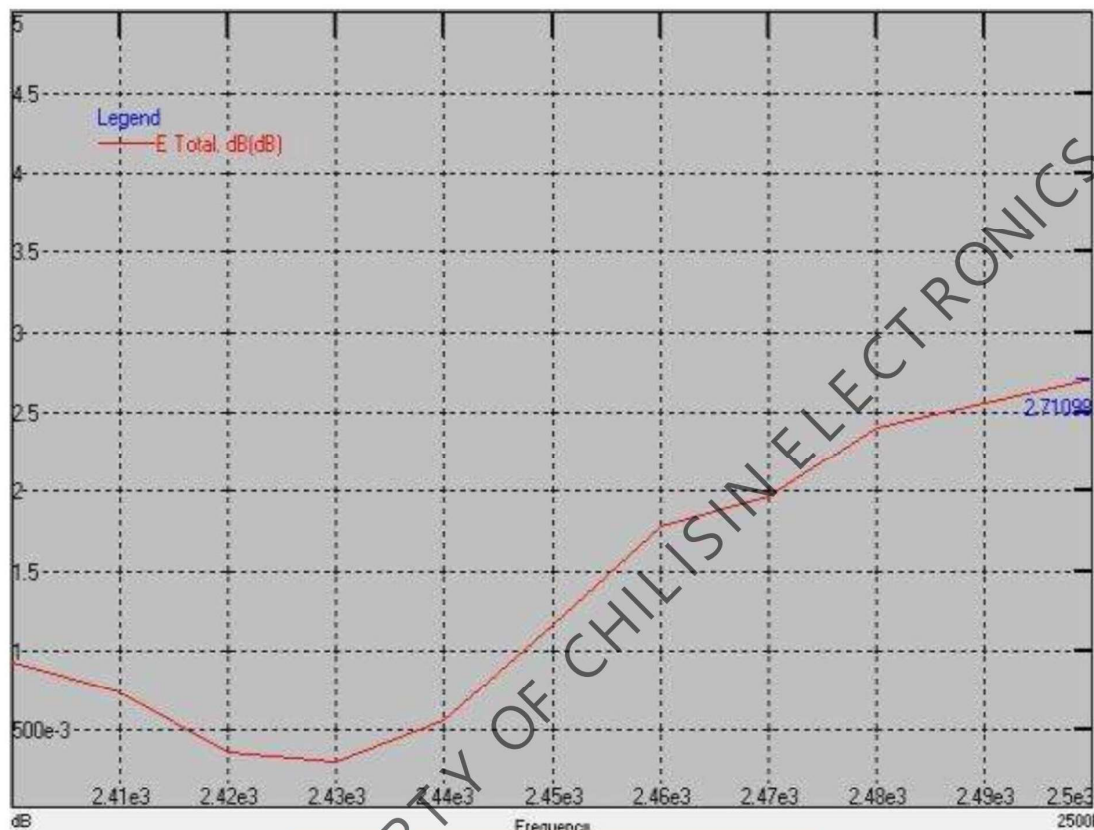


Layer	Max value	Min value	Average
5150(MHz)	3.96 dB	-12.38 dB	-3.77 dB
5500(MHz)	3.33 dB	-18.19 dB	-2.07 dB
5850(MHz)	4.46 dB	-21.09 dB	-2.16 dB



ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

3D Peak Gain _ WiFi _ 2G2 _ Antenna

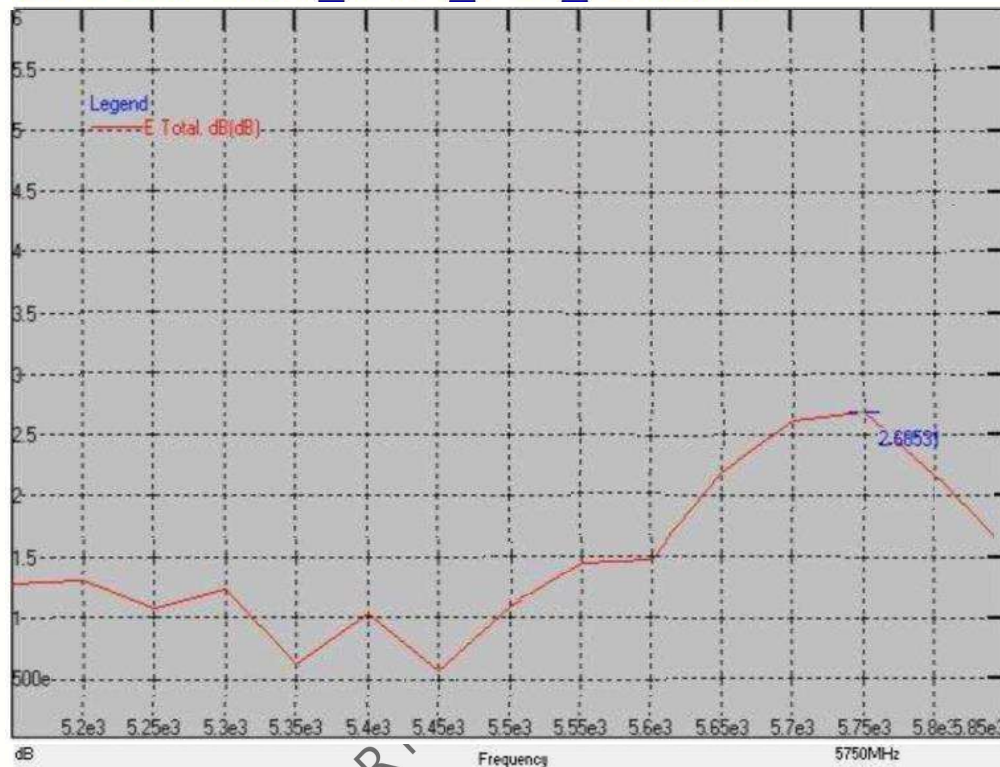


Frequency(MHz)	Peak Gain(dBi)
2400	0.926
2410	0.737
2420	0.366
2430	0.303
2440	0.561
2450	1.158
2460	1.782
2470	1.968
2480	2.402
2490	2.562
2500	2.711



ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

3D Peak Gain _WiFi_5G2_Antenna



Frequency(MHz)	Peak Gain(dBi)
5150	1.280
5200	1.305
5250	1.080
5300	1.228
5350	0.622
5400	1.031
5450	0.572
5500	1.092
5550	1.443
5600	1.472
5650	2.187
5700	2.616
5750	2.685
5800	2.157
5850	1.796