



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

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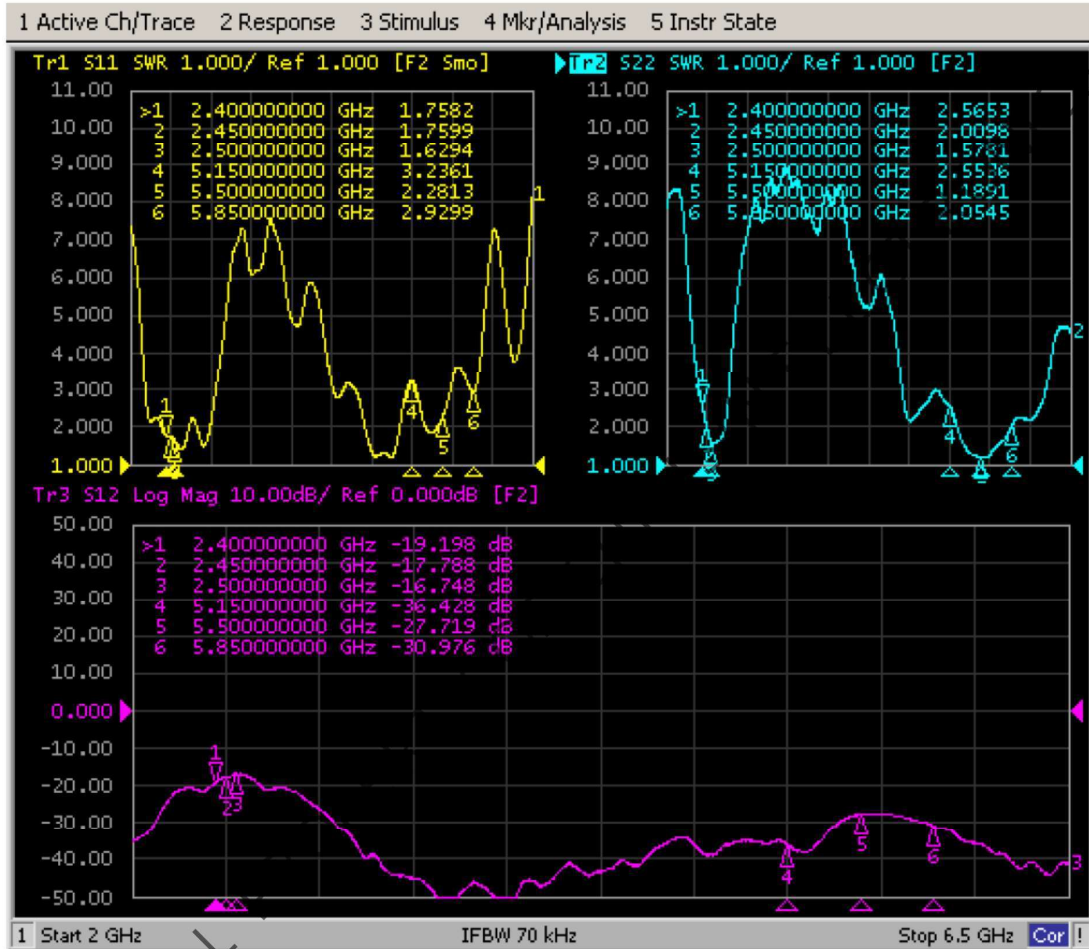
ELECTRICAL CHARACTERISTICS

P/NO: BTMA0070302G4C1A01

S-Parameter One Single Metal Cover

Ant2. S11

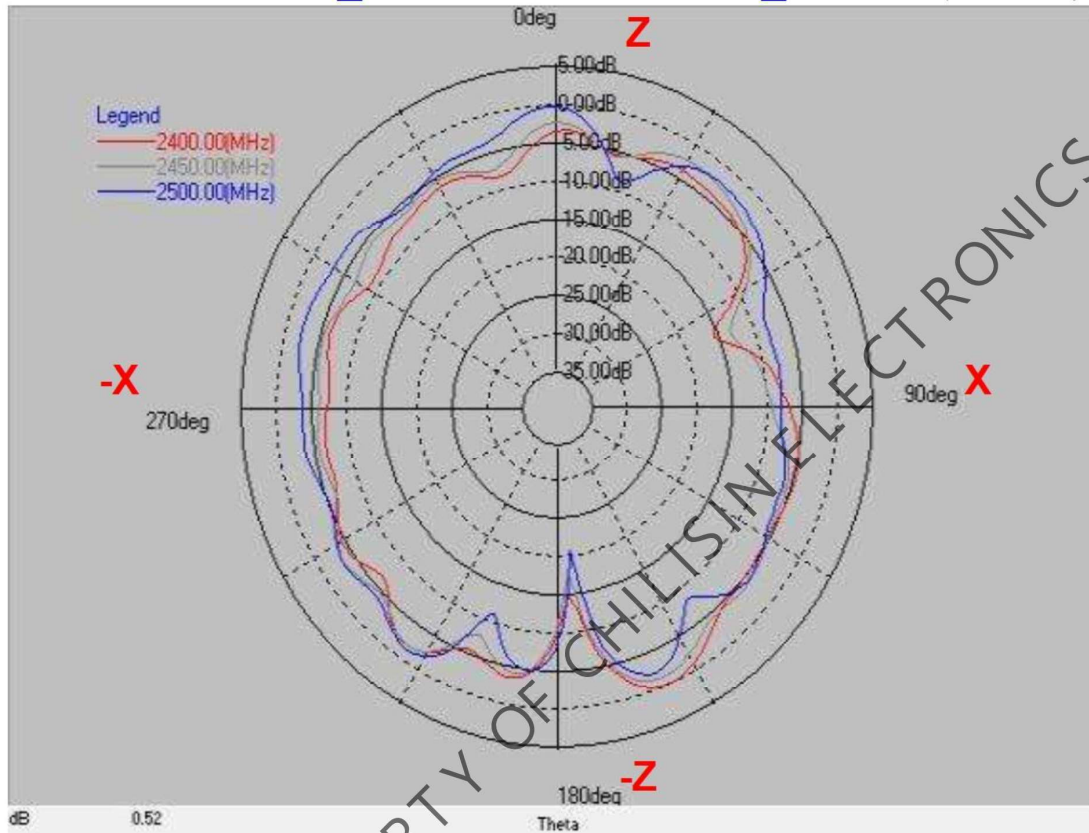
Ant1. S22





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

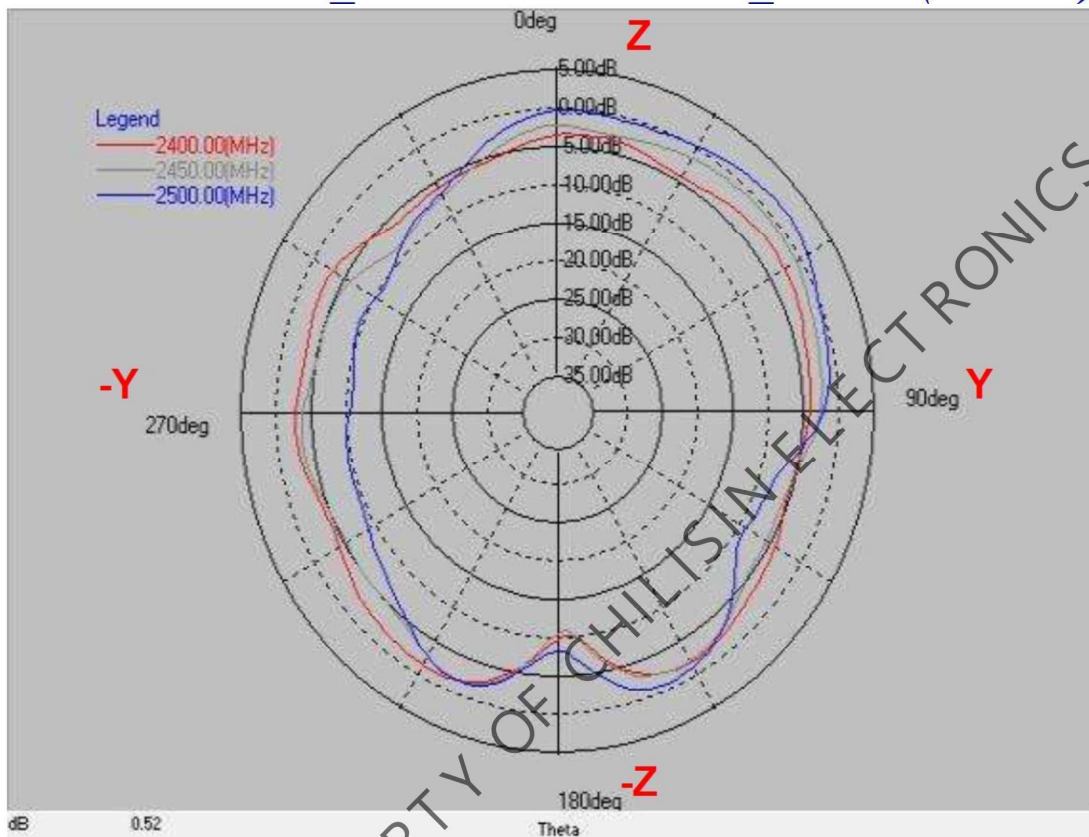


Layer	Max value	Min value	Average
2400(MHz)	-0.16 dB	-15.70 dB	-5.36 dB
2450(MHz)	-1.34 dB	-17.92 dB	-5.13 dB
2500(MHz)	-0.47 dB	-20.97 dB	-4.40 dB



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

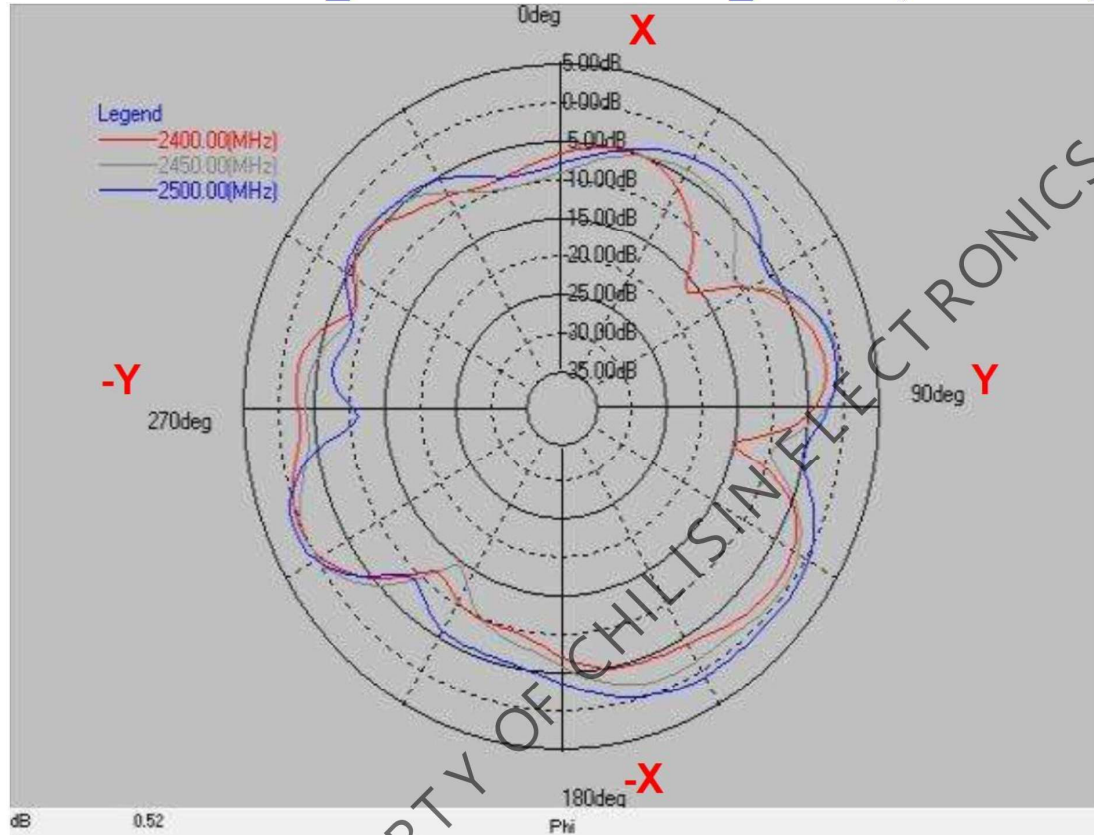


Layer	Max value	Min value	Average
2400(MHz)	-1.54 dB	-10.48 dB	-3.77 dB
2450(MHz)	-0.62 dB	-11.13 dB	-3.71 dB
2500(MHz)	1.74 dB	-10.85 dB	-3.15 dB



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

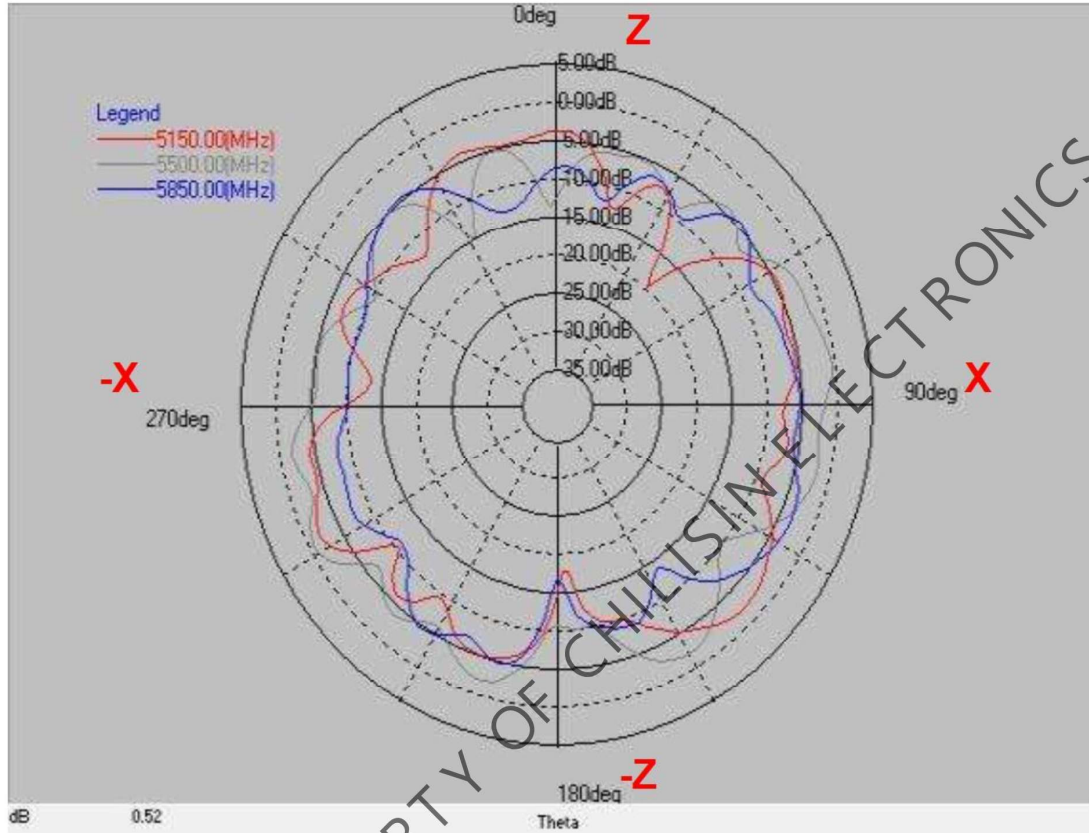


Layer	Max value	Min value	Average
2400(MHz)	0.35 dB	-16.61 dB	-4.88 dB
2450(MHz)	0.14 dB	-14.67 dB	-4.10 dB
2500(MHz)	1.20 dB	-11.20 dB	-2.91 dB



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

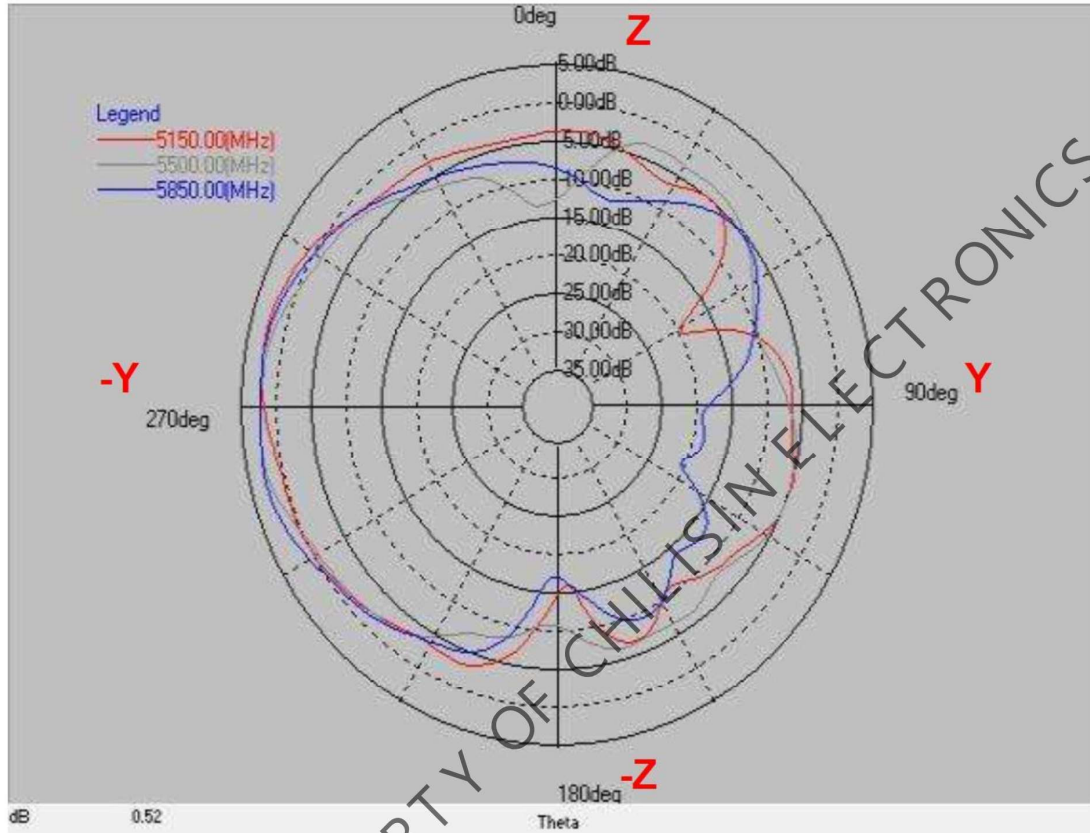


Layer	Max value	Min value	Average
5150(MHz)	-2.05 dB	-19.98 dB	-6.45 dB
5500(MHz)	-0.43 dB	-15.13 dB	-4.60 dB
5850(MHz)	-3.19 dB	-17.33 dB	-7.40 dB



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

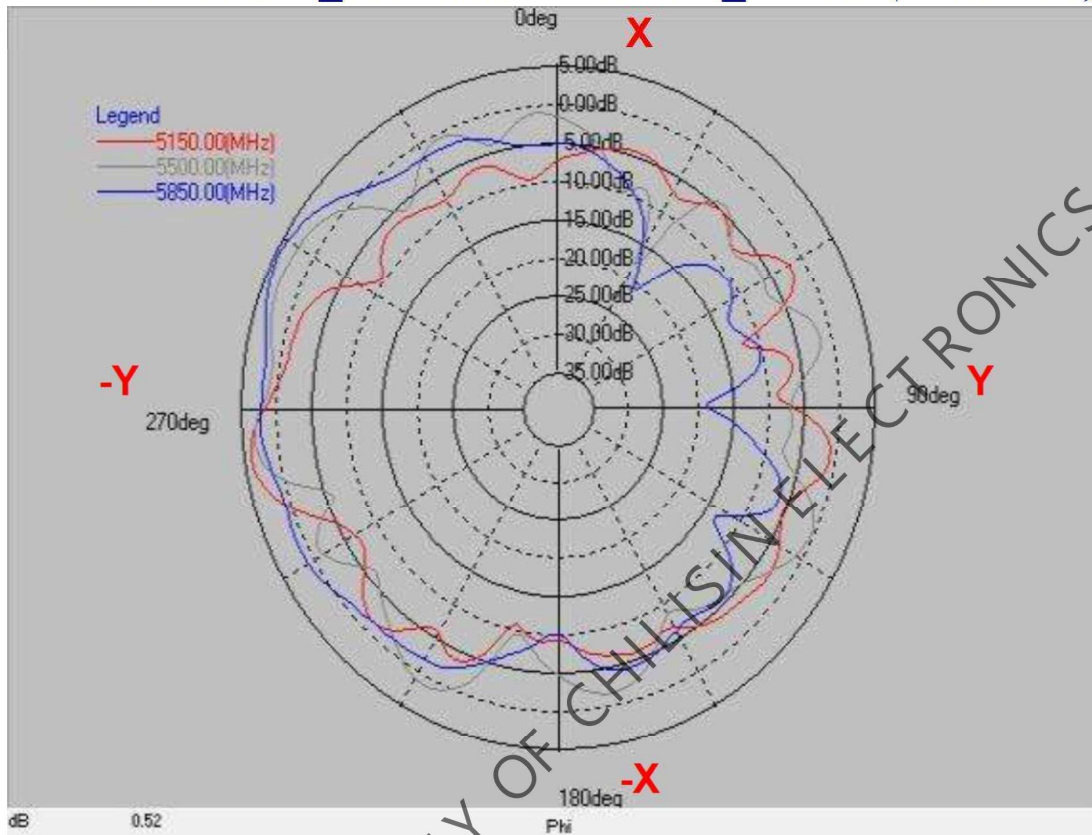


Layer	Max value	Min value	Average
5150(MHz)	2.46 dB	-19.91 dB	-3.08 dB
5500(MHz)	2.58 dB	-13.57 dB	-3.33 dB
5850(MHz)	2.77 dB	-20.72 dB	-3.46 dB



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

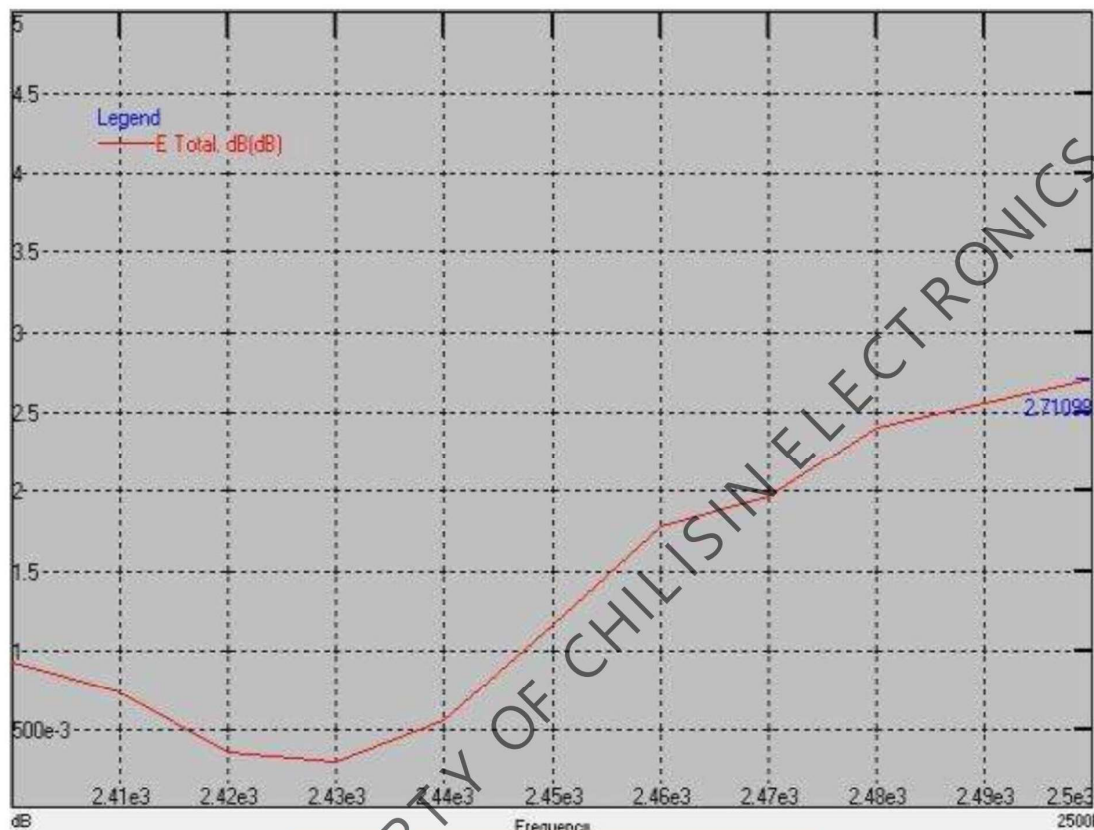


Layer	Max value	Min value	Average
5150(MHz)	3.96 dB	-12.38 dB	-3.77 dB
5500(MHz)	3.33 dB	-18.19 dB	-2.07 dB
5850(MHz)	4.46 dB	-21.09 dB	-2.16 dB



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3D Peak Gain _ WiFi _ 2G2 _ Antenna

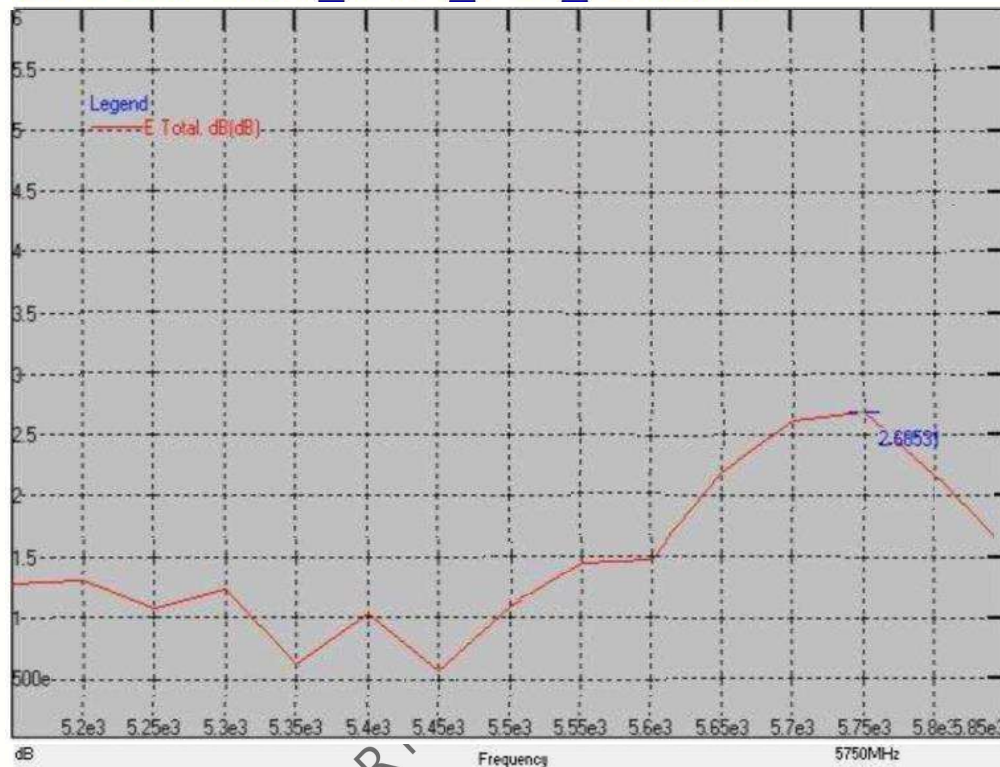


Frequency(MHz)	Peak Gain(dBi)
2400	0.926
2410	0.737
2420	0.366
2430	0.303
2440	0.561
2450	1.158
2460	1.782
2470	1.968
2480	2.402
2490	2.562
2500	2.711



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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