

SPECIFICATION FOR APPROVAL

DESCRIBE: Anker Innovations Co., LTD (T87B3)

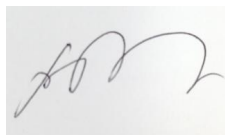
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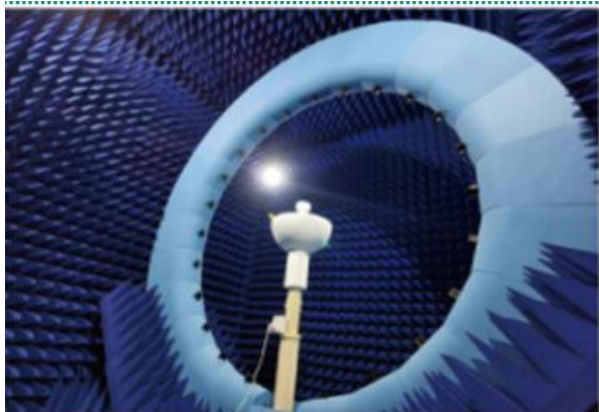
PART NO: ATC1524-AK018B14RA

Antenna type: 2.4G BLEI-Ant PCB

DATE: 2025.12.22

PROVIDER: AT&C Technology (Shenzhen) Co.
201, Building C, Chuangwei Innovation Valley, No.1 Tangtou Road,
Shiyan Street, Bao'an District, Shenzhen, China

		ID Department	Test department	Structure section	Quality department
Customer Admit	confirm				
Supplier Admit	confirm	confirm	Proofreading	To examine	Approval
		ziyehui	mo zhenwen	Xuliying	



We have RF equipments as below

Anechoic Chambe

- Satimo 1ea
- SY24 1ea
- SAR 1ea
- KSS 2ea

Measurement

- 2G, 3G, 4G
- GPS
- Wifi
- Bluetooth(3.0) OTA
- NFC & WPC



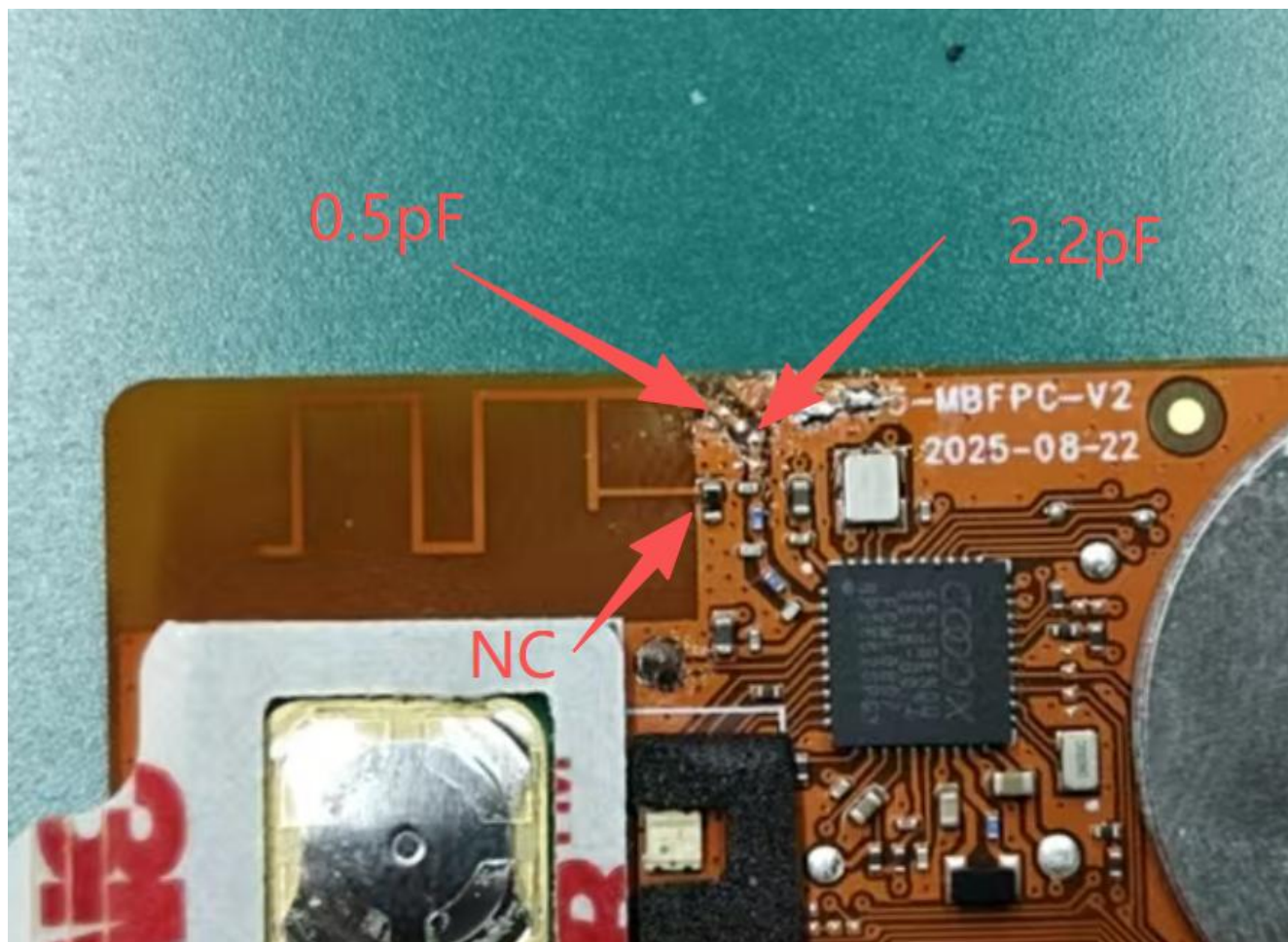
BOM

Customer	Anker	Written By	ZYH	Orig. Date	2025.12.22
Part Number	ATC1524-AK018B14RA	Revised By	SHIN	Revised Date	2025.12.22
Description	2.4G BLE ANT	Approved By	HJ	Approved Date	2025.12.22

Customer P/N	Part P/N	Part Name
	ATC1524-AK018B14RA	BLE Ant

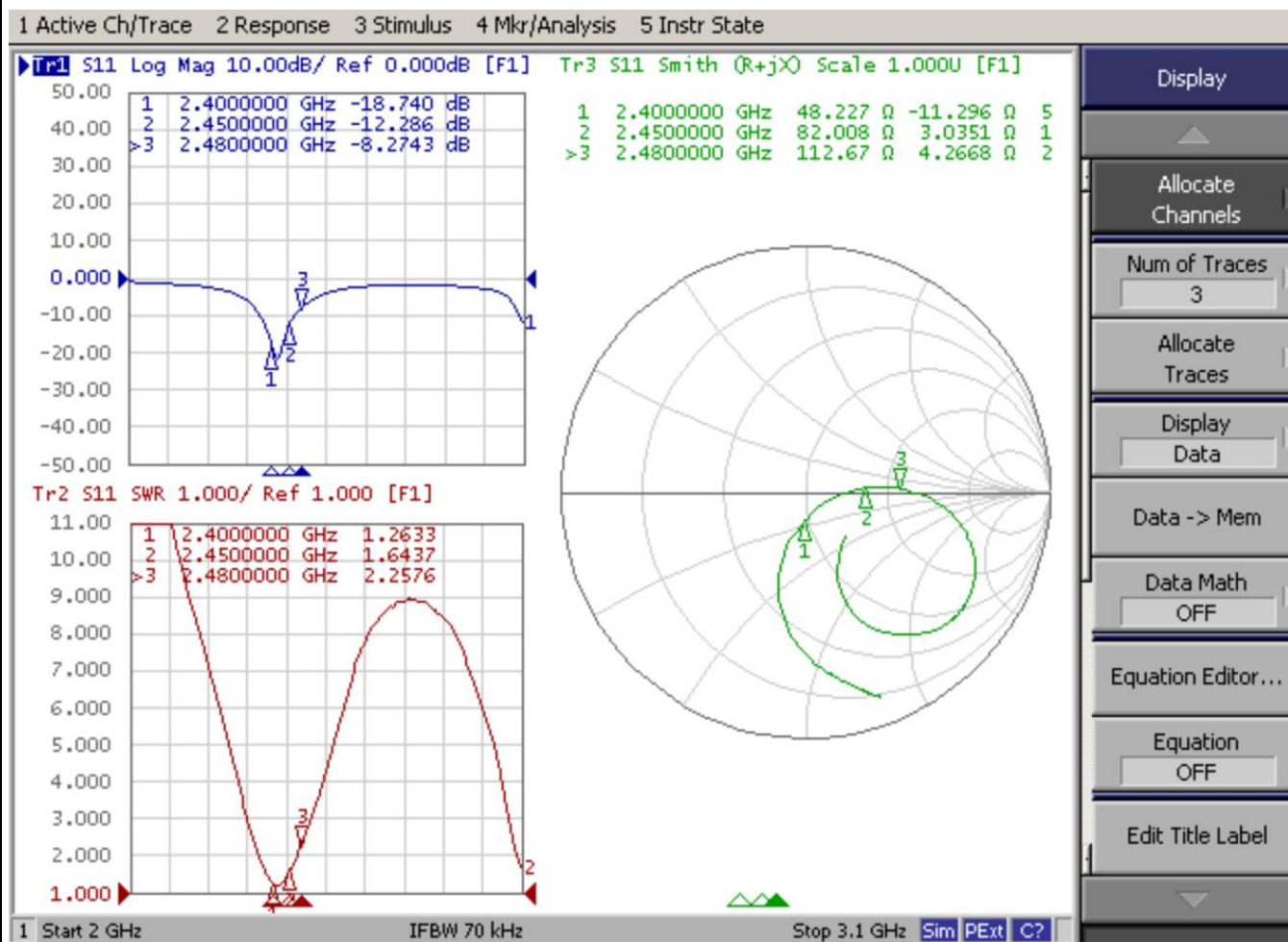
Impedance Matching

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Go to the antenna location with 0 ohms, connect the main circuit with 0.5pF, and change the string from 0 ohms to 2.2pF capacitor

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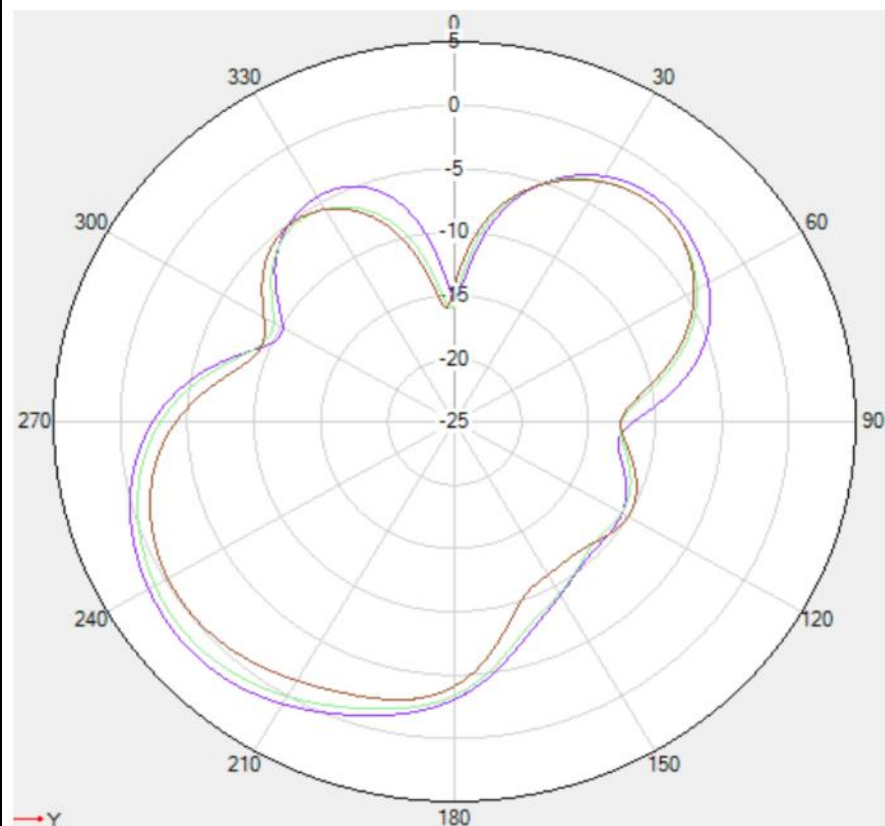
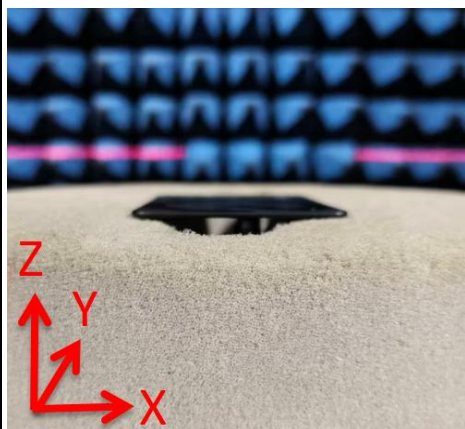
Antenna *Efficiency

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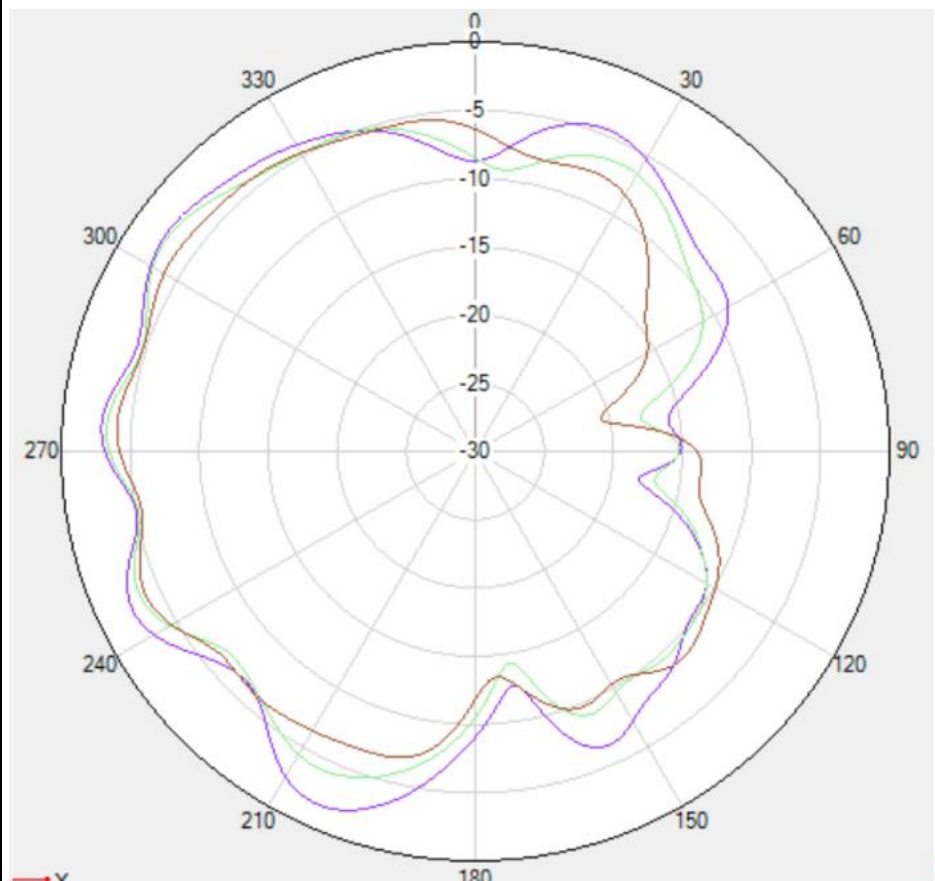
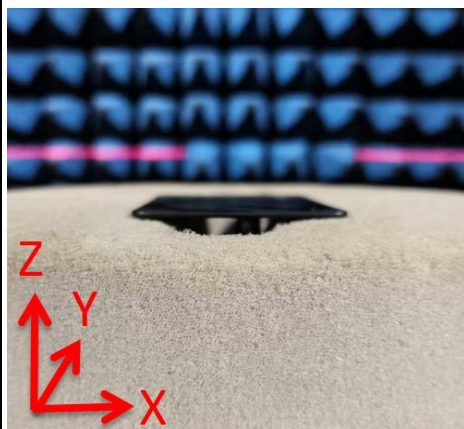
(2.4G) Passive Test Results

Frequency(MHz)	Efficiency(%)	Efficiency(dB)	Max Gain(dBi)
2400	55.72%	-2.54	1.41
2410	55.21%	-2.58	1.32
2420	53.70%	-2.70	1.28
2430	51.29%	-2.90	1.25
2440	50.47%	-2.97	1.14
2450	50.82%	-2.94	1.01
2460	50.58%	-2.96	0.96
2470	48.75%	-3.12	0.65
2480	45.92%	-3.38	0.52
2490	43.05%	-3.66	0.40
2500	40.55%	-3.92	0.69
AVG:	49.64%	-3.06	0.97

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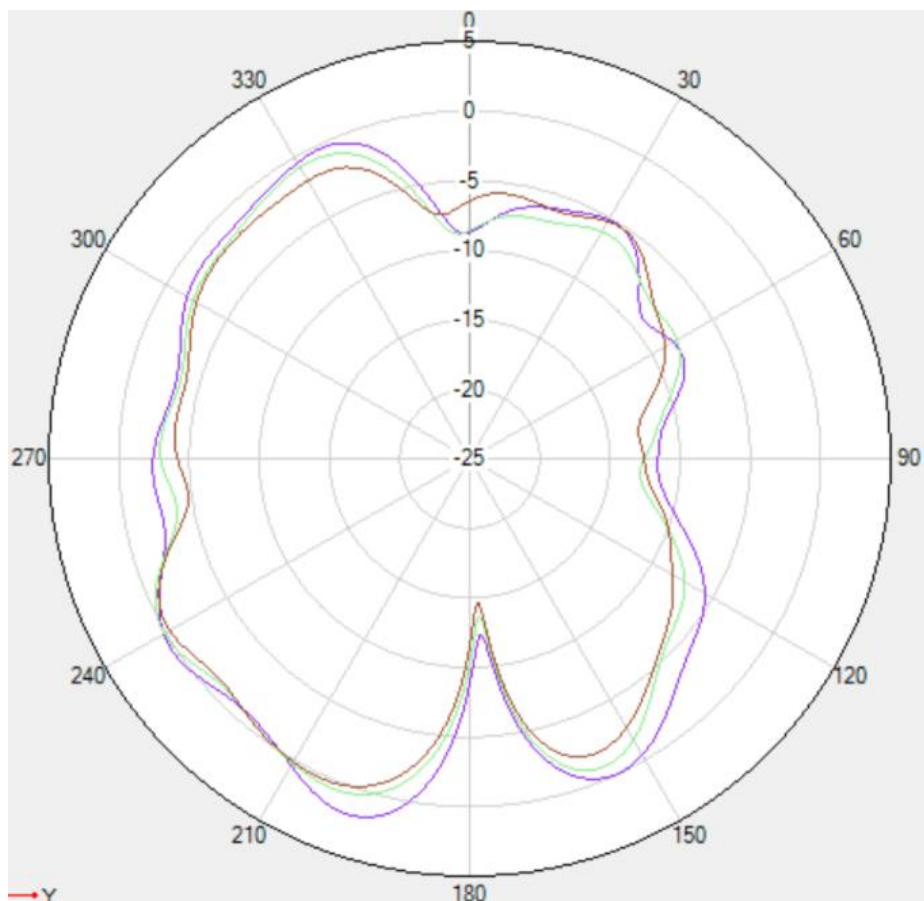
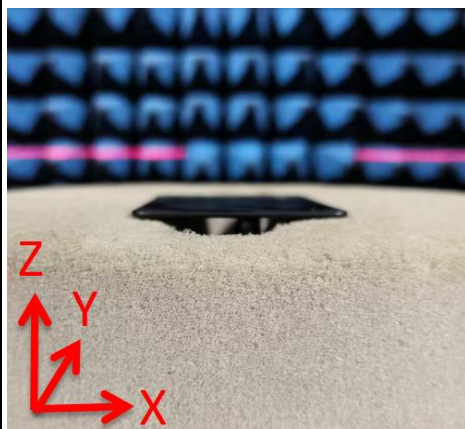


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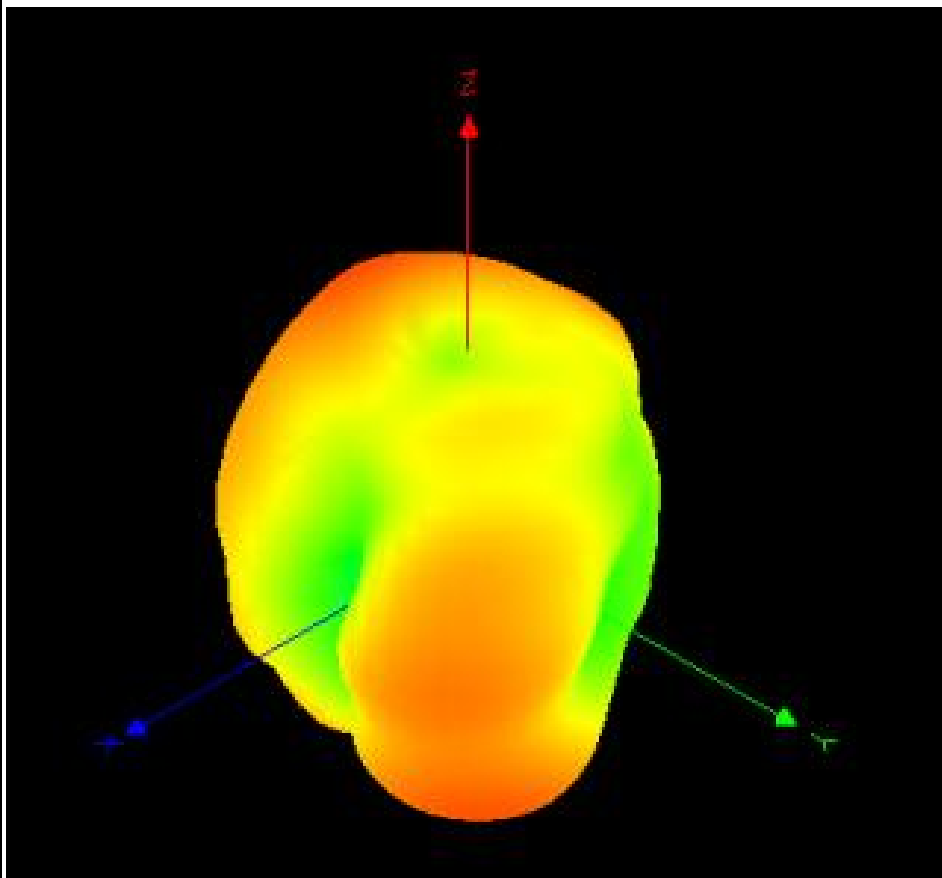
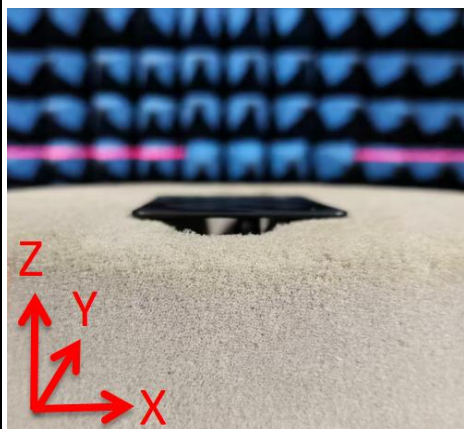
E1

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E2

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2450MHZ

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