



Donguan Meijin Communications Technology Co.,Ltd

Antenna Recognition Letter

Customer Name	Shenzhen AZW Technology Co., Ltd.		
Project Name	GTR9	Band Info	WiFi 2.4/5G
Antenna Name	EQI12 V1.0	Customer P/N	14.02.04520000
		Supplier P/N	
		Customer P/N	14.02.04520001
		Supplier P/N	
Version No	R:V1.0	Date	2025-08-06

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二、Active parameters of antenna

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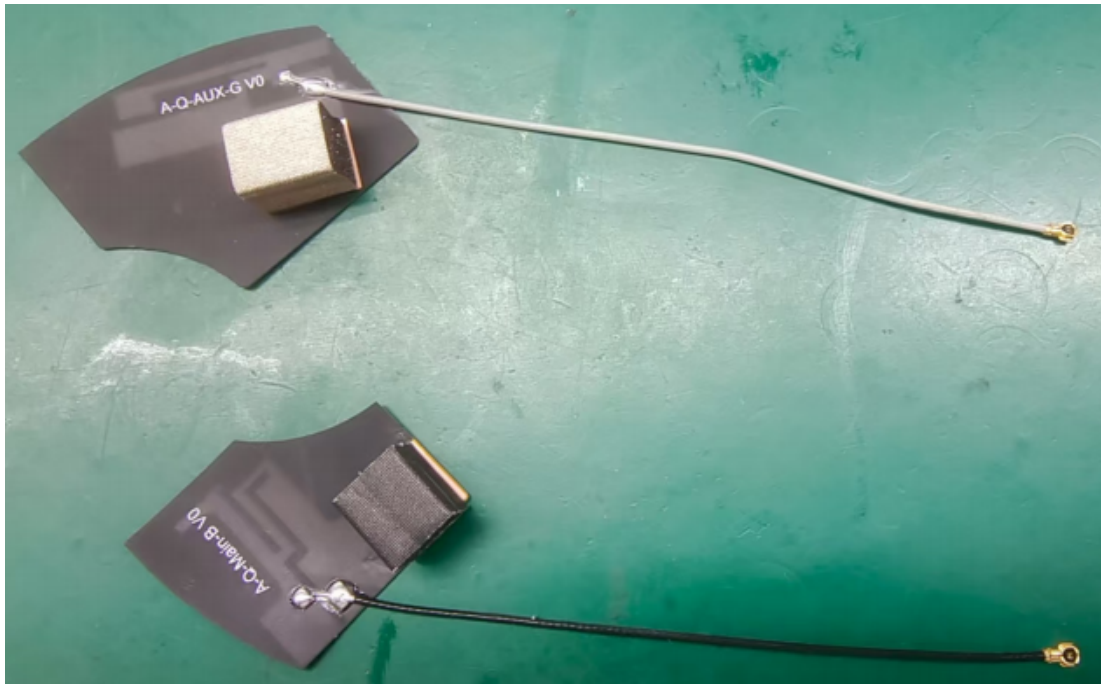
四、Dimensional Test Report 7, Antenna Dimensional Diagram

一、 Whole machine diagram



Whole machine diagram

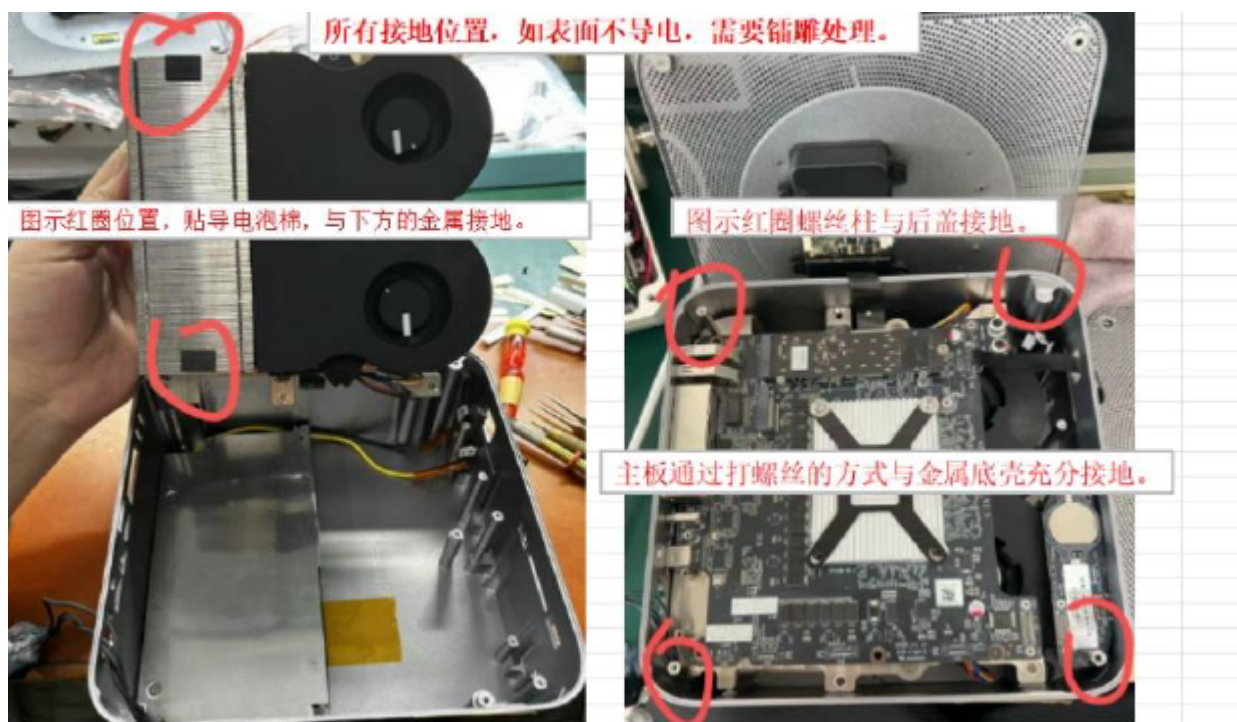
1.1 Antenna finished product diagram



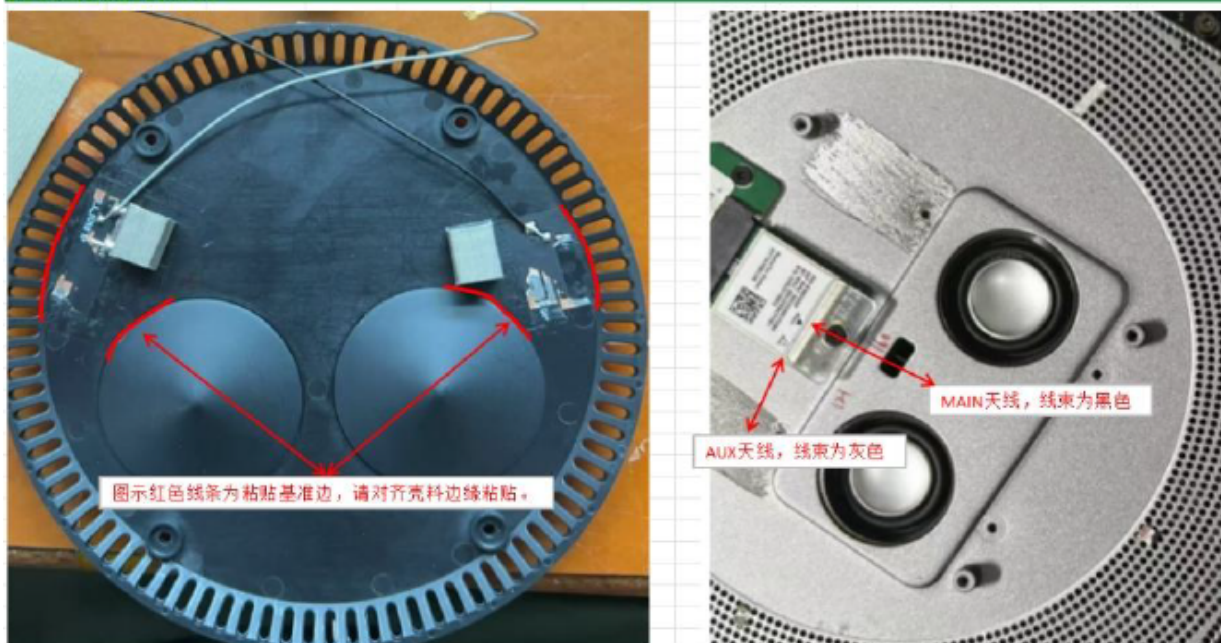
Antenna picture

Antenna picture

1.2 EQI12 Antenna



天线装配图：



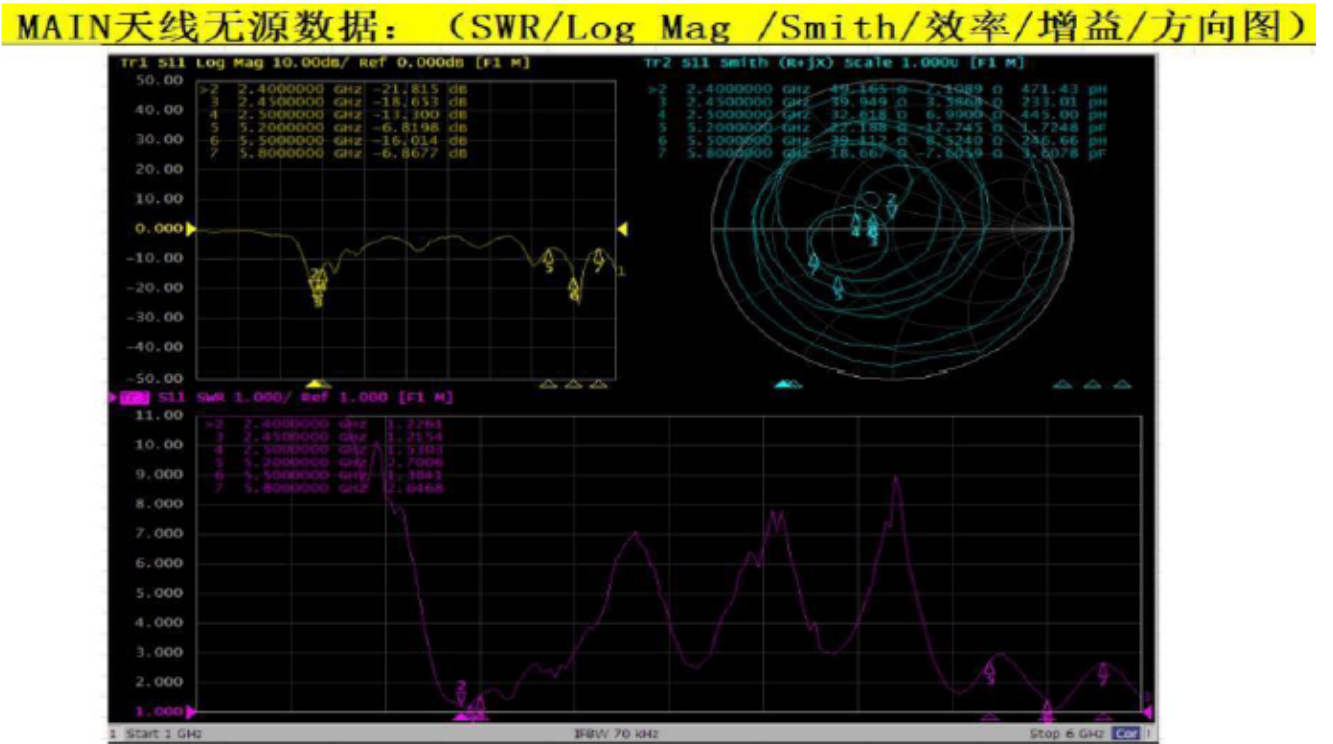
二、 Active parameters

2.1 Active Data Report

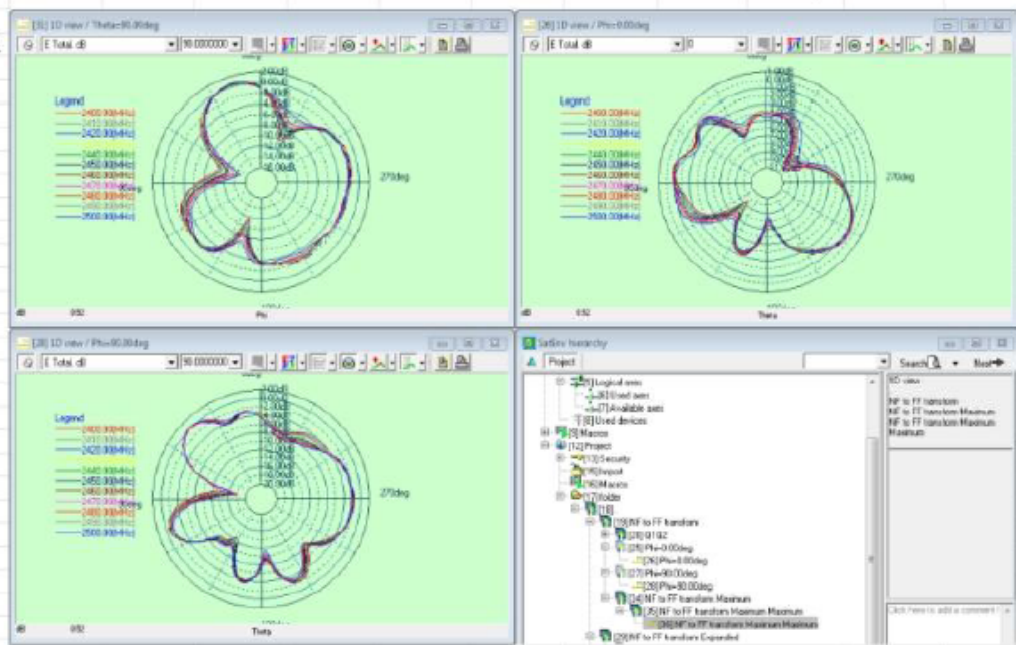
天线有源调试数据:			
Main Ant Freespace data			
样品天线修改			
Band	Channel	自由空间	
WIFI2.4G (B模)	1	7.28	
	6	8.62	11Mbps
	11	9.94	-69.56
	AVE	8.61	
Band	Channel	自由空间	
WIFI2.4G (G模)	1	6.35	54Mbps
	6	7.24	
	11	8.60	-60.65
	AVE	7.40	
Band	Channel	自由空间	
WIFI2.4G (N模)	1	6.37	MCS7
	6	7.84	
	11	8.16	-56.74
	AVE	7.46	
Band	Channel	自由空间	
WIFI5G (A模)	36	8.33	-55.38
	64	9.31	54Mbps
	149	6.50	
	165	6.59	-58.37
	AVE	7.68	

三、 Passive parameters

3.1 Standing wave diagram Antenna

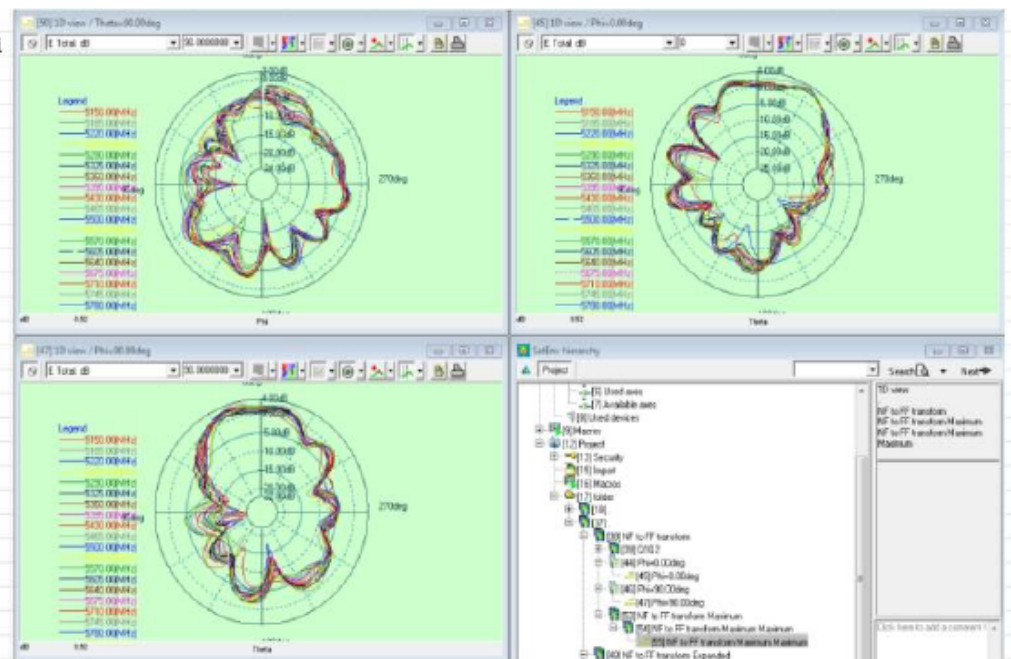


2400-2500MHz Efficiency		
Frequency	Efficiency	Gain, dBi
2400MHz	44%	0.92
2410MHz	43%	0.81
2420MHz	43%	0.72
2430MHz	43%	0.72
2440MHz	42%	0.46
2450MHz	43%	0.55
2460MHz	43%	0.67
2470MHz	42%	0.49
2480MHz	42%	0.58
2490MHz	43%	0.68
2500MHz	42%	0.47



2400-2500MHz

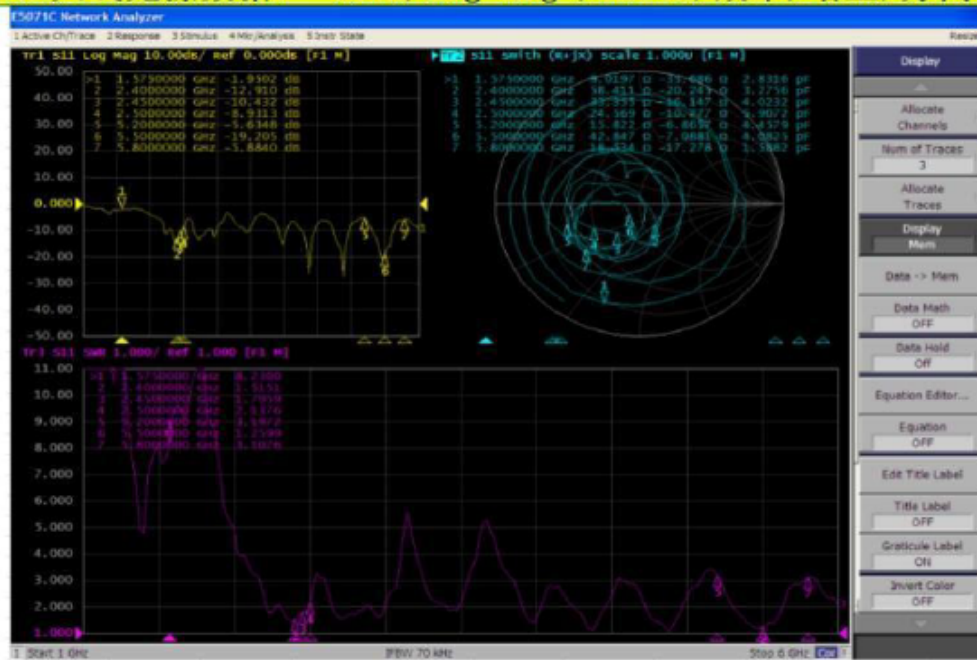
5150-5850MHz Efficiency		
Frequency	Efficiency	Gain, dBi
5150MHz	40%	3.22
5185MHz	46%	3.67
5220MHz	42%	3.26
5255MHz	39%	2.85
5290MHz	38%	2.43
5325MHz	40%	2.45
5360MHz	41%	2.50
5395MHz	40%	2.34
5430MHz	42%	2.47
5465MHz	44%	2.51
5500MHz	44%	2.33
5535MHz	45%	2.50
5570MHz	47%	2.38
5605MHz	45%	2.20
5640MHz	44%	2.13
5675MHz	43%	2.20
5710MHz	43%	2.17
5745MHz	44%	2.16
5780MHz	44%	2.10
5815MHz	44%	2.38
5850MHz	41%	1.72



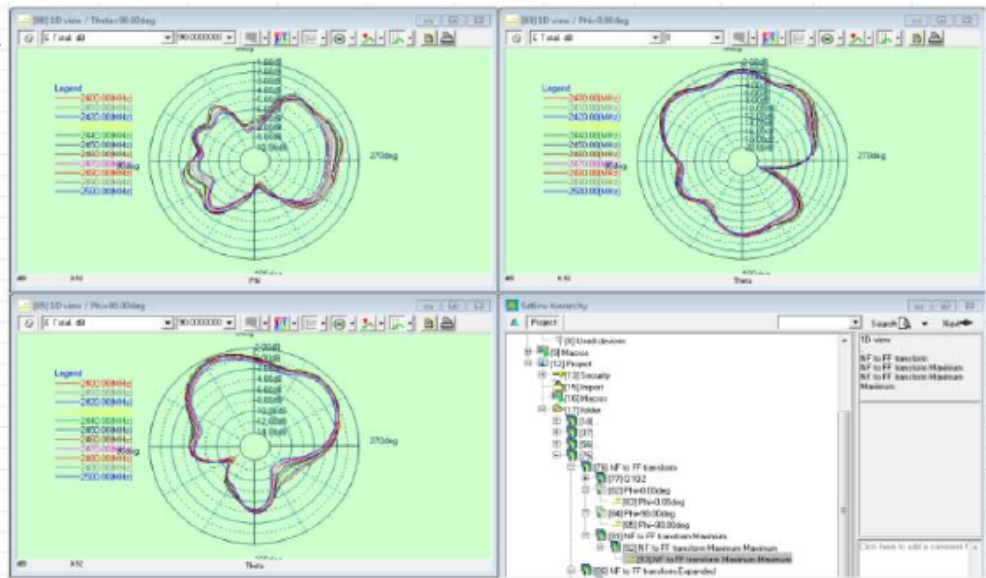
5150~5850MHz

3.3 AUX Antenna :SWR/Log Mag /Smith

AUX天线无源数据：（SWR/Log Mag /Smith/效率/增益/方向图）

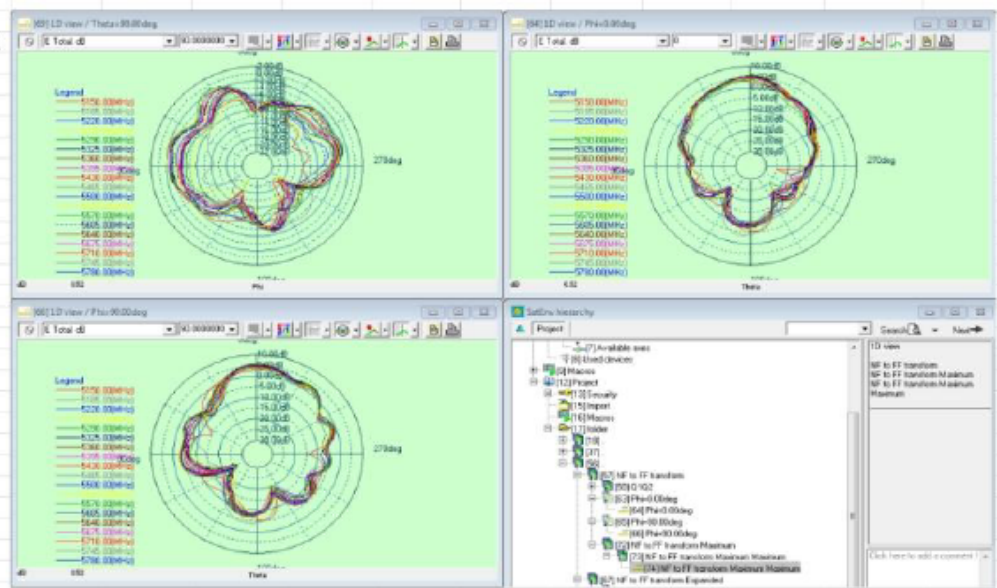


2400-2500MHz Efficiency		
Frequency	Efficiency	Gain, dBi
2400MHz	46%	1.62
2410MHz	46%	1.60
2420MHz	47%	1.57
2430MHz	46%	1.55
2440MHz	45%	1.46
2450MHz	44%	1.32
2460MHz	43%	1.21
2470MHz	41%	1.01
2480MHz	38%	0.80
2490MHz	38%	0.73
2500MHz	36%	0.55



2400-2500MHZ

5150-5850MHz Efficiency		
Frequency	Efficiency	Gain, dBi
5150MHz	33%	1.15
5185MHz	33%	2.07
5220MHz	37%	2.57
5255MHz	35%	2.13
5290MHz	35%	2.41
5325MHz	36%	2.63
5360MHz	39%	2.91
5395MHz	38%	2.92
5430MHz	39%	3.09
5465MHz	40%	3.32
5500MHz	39%	3.25
5535MHz	41%	3.32
5570MHz	42%	3.29
5605MHz	39%	3.02
5640MHz	38%	2.82
5675MHz	37%	2.60
5710MHz	37%	2.40
5745MHz	36%	2.25
5780MHz	36%	2.13
5815MHz	36%	1.85
5850MHz	34%	1.39



5150-5850MHZ

GTR9 AUX Antenna Drawing

