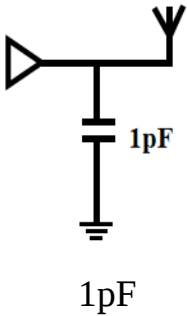
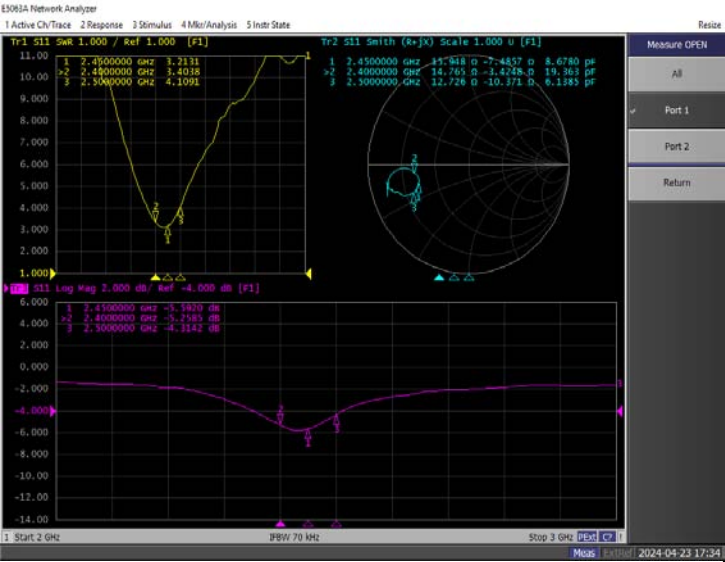
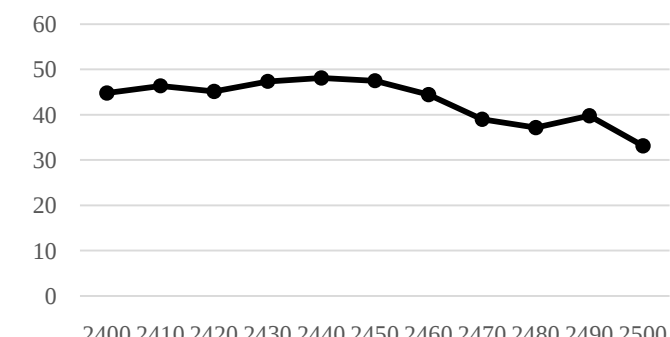
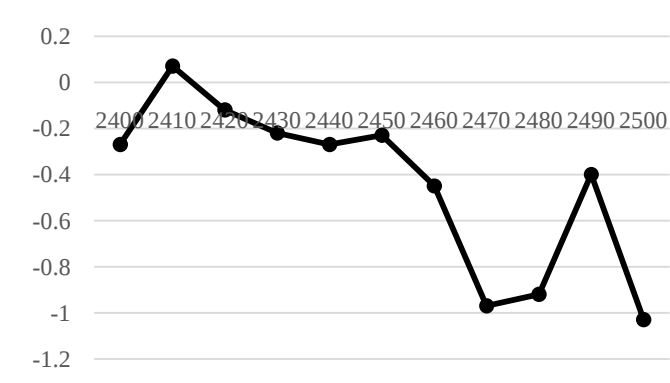


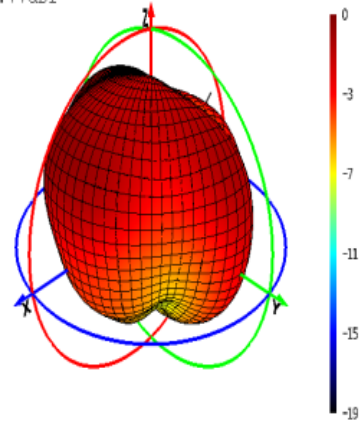
Manufacturer: Xiamen Milesight IoT Co., Ltd.
Add: Building C09, Software Park Phase III, Xiamen 361024, Fujian, China
Model: VS125-2.4G WiFi

ANT		2.4G WiFi
	appearance	
	antenna board	
	antenna size	30×13×1 mm ³
building-out circuit		

impedance characteristic	 The screenshot shows a network analyzer interface with three main plots. The top-left plot is a Smith chart showing impedance data points. The top-right plot is a log magnitude plot showing the magnitude of the reflection coefficient in dB. The bottom plot is a log magnitude plot showing the magnitude of the transmission coefficient in dB. The plots are labeled with various parameters such as frequency, impedance, and magnitude.																								
efficiency	Efficiency (%)  The graph shows efficiency (%) on the y-axis (0 to 60) versus frequency (MHz) on the x-axis (2400 to 2500). The efficiency starts at approximately 45% at 2400 MHz, peaks at about 48% around 2440 MHz, and then decreases to about 33% at 2500 MHz. <table border="1"><thead><tr><th>Freq (MHz)</th><th>Efficiency (%)</th></tr></thead><tbody><tr><td>2400</td><td>45</td></tr><tr><td>2410</td><td>46</td></tr><tr><td>2420</td><td>45</td></tr><tr><td>2430</td><td>47</td></tr><tr><td>2440</td><td>48</td></tr><tr><td>2450</td><td>47</td></tr><tr><td>2460</td><td>44</td></tr><tr><td>2470</td><td>39</td></tr><tr><td>2480</td><td>37</td></tr><tr><td>2490</td><td>40</td></tr><tr><td>2500</td><td>33</td></tr></tbody></table>	Freq (MHz)	Efficiency (%)	2400	45	2410	46	2420	45	2430	47	2440	48	2450	47	2460	44	2470	39	2480	37	2490	40	2500	33
Freq (MHz)	Efficiency (%)																								
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2480	37																								
2490	40																								
2500	33																								
gain	Gain (dBi)  The graph shows gain (dBi) on the y-axis (-1.2 to 0.2) versus frequency (MHz) on the x-axis (2400 to 2500). The gain starts at approximately -0.3 dBi at 2400 MHz, peaks at about 0.1 dBi around 2410 MHz, and then decreases to about -1.1 dBi at 2500 MHz. <table border="1"><thead><tr><th>Freq (MHz)</th><th>Gain (dBi)</th></tr></thead><tbody><tr><td>2400</td><td>-0.3</td></tr><tr><td>2410</td><td>0.1</td></tr><tr><td>2420</td><td>-0.1</td></tr><tr><td>2430</td><td>-0.2</td></tr><tr><td>2440</td><td>-0.3</td></tr><tr><td>2450</td><td>-0.2</td></tr><tr><td>2460</td><td>-0.5</td></tr><tr><td>2470</td><td>-0.9</td></tr><tr><td>2480</td><td>-0.9</td></tr><tr><td>2490</td><td>-0.4</td></tr><tr><td>2500</td><td>-1.1</td></tr></tbody></table>	Freq (MHz)	Gain (dBi)	2400	-0.3	2410	0.1	2420	-0.1	2430	-0.2	2440	-0.3	2450	-0.2	2460	-0.5	2470	-0.9	2480	-0.9	2490	-0.4	2500	-1.1
Freq (MHz)	Gain (dBi)																								
2400	-0.3																								
2410	0.1																								
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2440	-0.3																								
2450	-0.2																								
2460	-0.5																								
2470	-0.9																								
2480	-0.9																								
2490	-0.4																								
2500	-1.1																								
	Freq=2450MHz																								

directional diagram

MAX:-0.23dBi
MIN:-19.77dBi



2.4G WiFi	Frequency ID	1	2	3	4	5	6	7	8	9	10	11
	Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
	Gain (dBi)	-0.27	0.07	-0.12	-0.22	-0.27	-0.23	-0.45	-0.97	-0.92	-0.4	-1.03
	Efficiency (dB)	-3.49	-3.34	-3.46	-3.24	-3.18	-3.23	-3.52	-4.09	-4.3	-4	-4.8
	Efficiency (%)	44.78	46.38	45.13	47.37	48.12	47.5	44.44	38.99	37.18	39.78	33.14