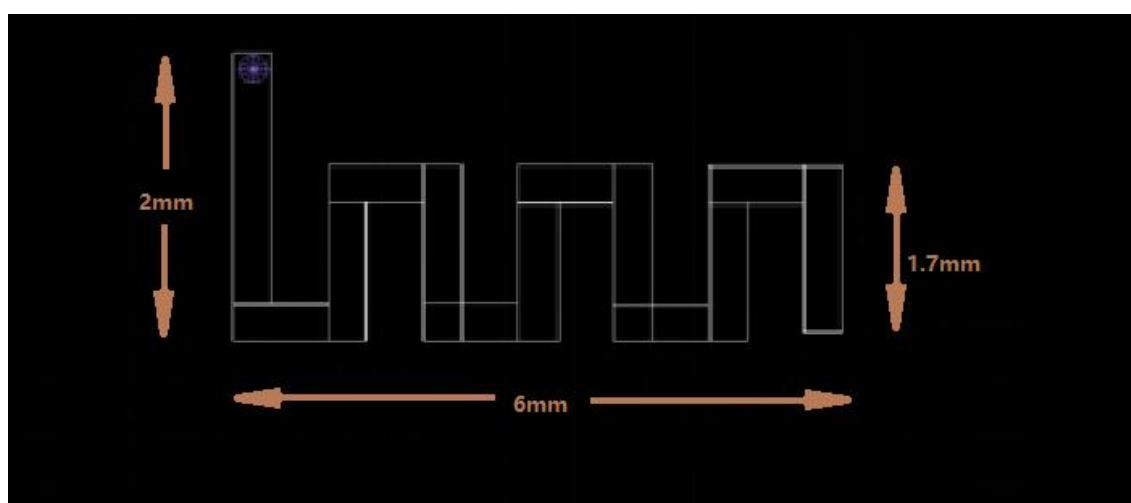


Antenna Specification

Antenna plate	Monoploe antenna
Model name	BR19-V3
Antenna gain	1.13dBi
Frequecy range	2402MHZ-2480MHZ
Connector type	Direct
Manufacturer	Dongguan Jinlin Advertising Production Co., Ltd.

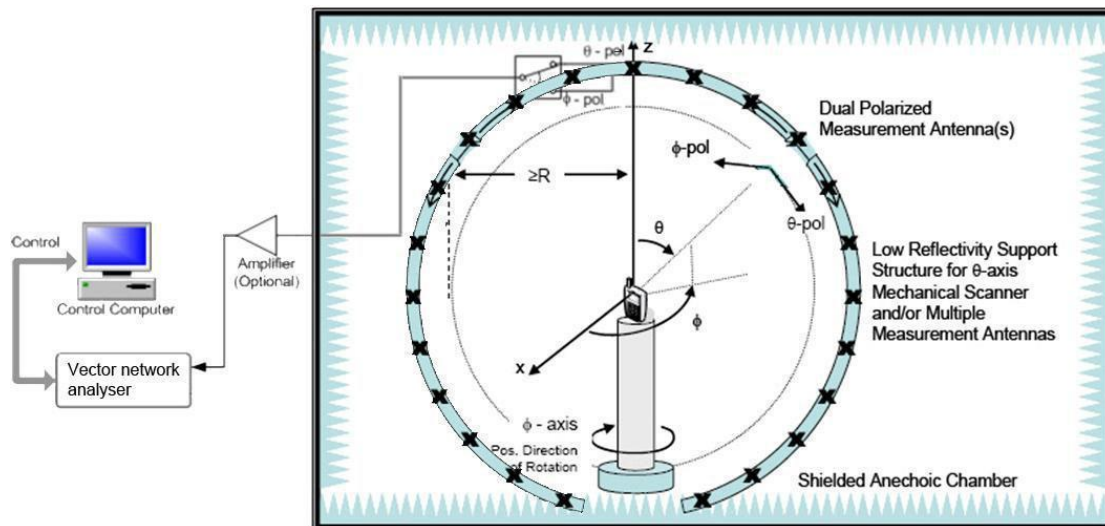
Antenna size diagram:



Test Equipment List

Description	Manufacturer	Model	Serial No.
Vector Network Analyzer	Agilent	E5071C	MY46103472
5*5*5 Full Anechoic Chamber	SATIMO	5*5*5	N/A
SG24 Multi-probe Antenna Measurement System	SATIMO	SG24-L	1101855-0001

Test Setup



Model	BR19-V3		
Test/Plsition	2D FS Gain		
Frequency	2400	2441	2450
Tot. Rad. Pwr. (dBm)	-2.28	-0.41	-1.13
Peak EIRP (dBm)	-1.73	0.40	0.45
Directivity (dBi)	1.74	1.64	2.44
Efficiency (dB)	-4.47	-0.51	-1.34
Gain (dBi)	-2.73	1.13	1.10
Front/Back Ratio (dB)	0.82	3.11	4.98
Beamwidth (°)	94.00	126.00	128.00
+Beamwidth (°)	41.00	36.00	39.00
-Beamwidth (°)	53.00	90.00	90.00
Boresight Angle (°)	10.00	240.00	235.00
Maximum Power (dBm)	-2.73	1.13	1.10
Minimum Power (dBm)	-10.30	-3.38	-4.81
Average Power (dBm)	-4.43	-0.50	-1.36
Max/Min Ratio (dB)	7.57	4.51	5.91
Max/Avg Ratio (dB)	1.70	1.63	2.46
Min/Avg Ratio (dB)	-5.87	-2.78	-3.45
Average Gain (dB)	-4.47	-0.51	-1.34

