

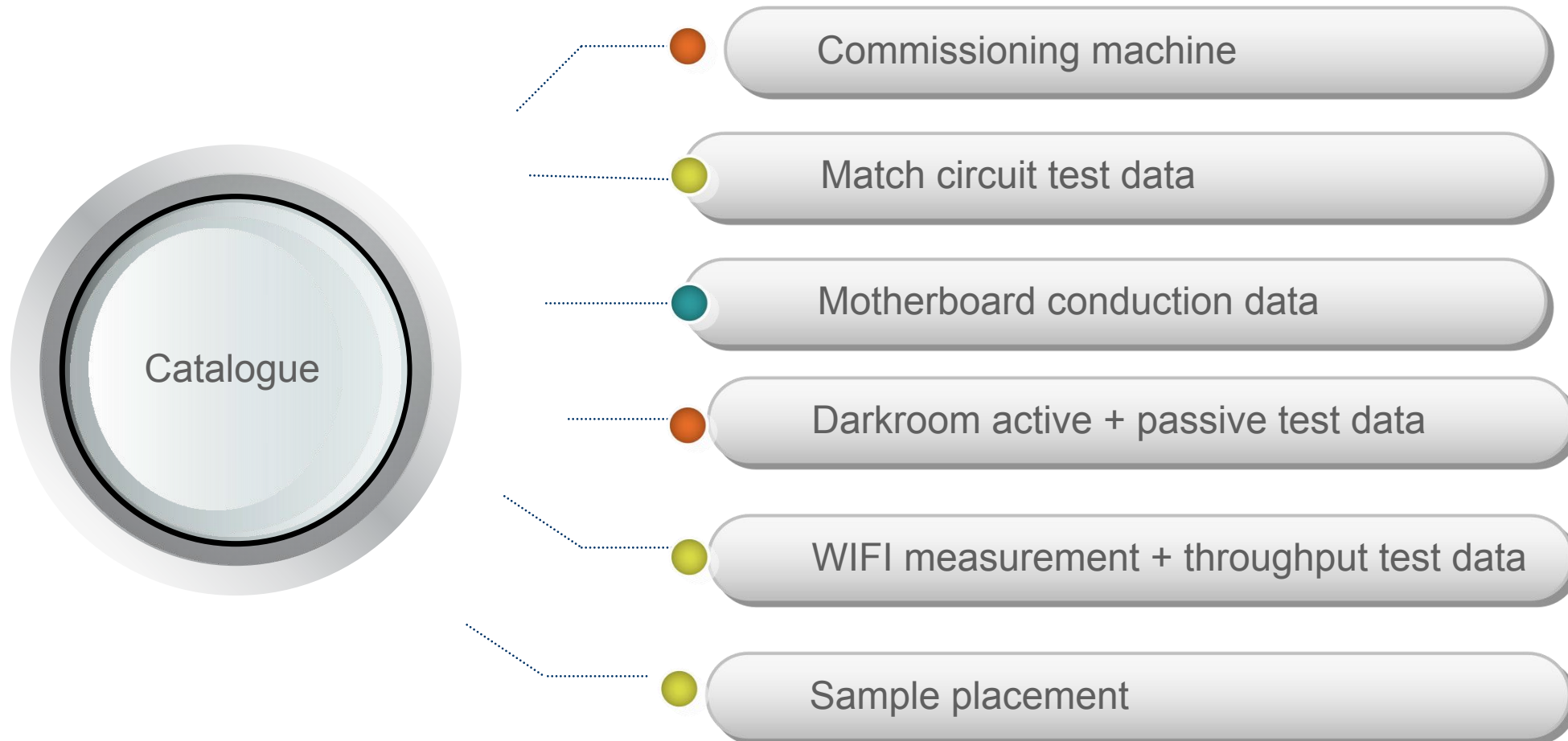
Be a respected company and person



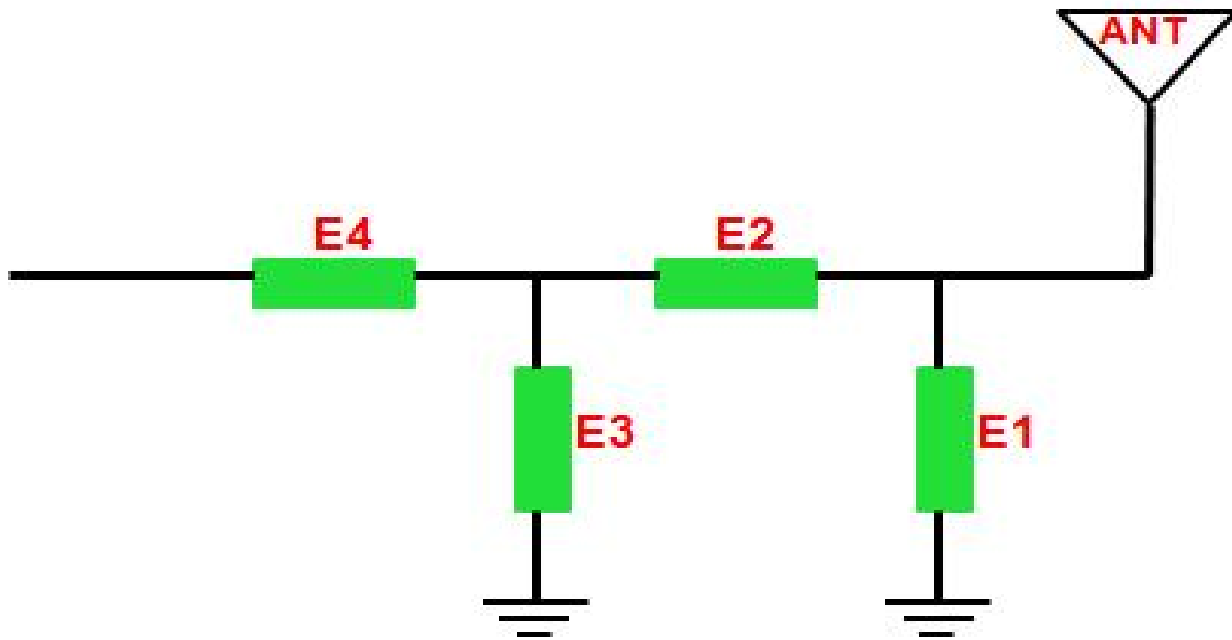
Digital photo frame antenna test standard template

Management by objectives & result orientation is
the only value of our existence

Catalogue







The test antenna is PCB sample

Main Antenna		GPS Antenna	
Element	Value	Element	Value
E1 (0402)		E1 (0402)	
E2 (0402)		E2 (0402)	
E3 (0402)		E3 (0402)	
E4 (0402)			
WIFI Antenna		AUX Antenna	
Element	Value	Element	Value
E1 (0402)		E1 (0402)	
E2 (0402)		E2 (0402)	
E3 (0402)		E3 (0402)	

WIFI	CH	TRP(54M)	TIS(54M)
802.11a	149	12.53	-73
	157	12.06	-73
	165	11.91	-73
WIFI	CH	TRP(11M)	TIS(11M)
802.11b	1	16.75	-80
	6	16.91	-80
	13	16.98	-80

WIFI	CH	TRP(54M)	TIS(54M)
802.11g	1	16.60	-73
	6	16.30	-73
	13	16.22	-73
WIFI	CH	TRP(MSC7M)	TIS(MSC7M)
802.11n	1	16.40	-65
	6	16.65	-65
	13	16.40	-65

WIFI	CH	TRP(40M,MCS7)	TIS(40M,MCS7)
802.11AC	36	19.96	-71
	149	16.63	-71
	161	15.53	-71
WIFI	CH	TRP(40M,MSC7)	TIS(40M,MCS7)
802.11AX	36	21.72	-71
	149	19.84	-71
	161	19.00	-71

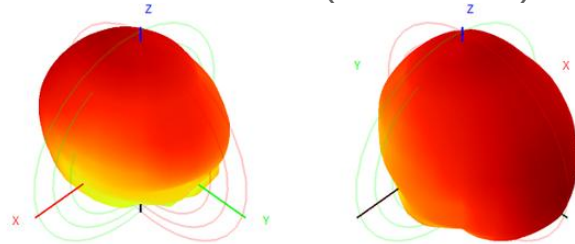
WIFI	CH	TRP(54M)	TIS(54M)
802.11a	149	9.13	-70.11
	157	9.65	-70.63
	165	9.04	-71.92
WIFI	CH	TRP(11M)	TIS(11M)
802.11b	1	12.46	-76.43
	6	12.05	-77.86
	13	11.58	-76.89

WIFI	CH	TRP(54M)	TIS(54M)
802.11g	1	11.30	-63.67
	6	10.78	62.83
	13	10.44	61.82
WIFI	CH	TRP(MSC7)	TIS(MSC7)
802.11n	1	10.81	--61.30
	6	10.01	-60.96
	13	10.58	-60.47

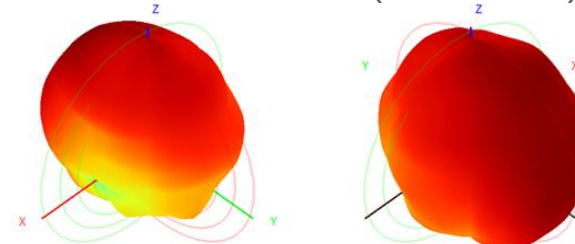
WIFI	CH	TRP(40M,MCS7)	TIS(40M,MCS7)
802.11AC	36	14.39	-63.67
	149	13.05	-63.56
	161	11.64	-63.24
WIFI	CH	TRP(40M,MSC7)	TIS(40M,MCS7)
802.11AX	36	17.95	-67.18
	149	15.01	-66.69
	161	15.52	-68.69

Passive Test For 2400-2500MHz			
Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
2400	57.07	-2.44	3.65
2410	56.35	-2.49	3.34
2420	56.81	-2.46	3.17
2430	56.45	-2.48	2.91
2440	58.47	-2.33	2.83
2450	59.35	-2.27	2.91
2460	59.75	-2.24	2.94
2470	60.66	-2.17	3.06
2480	62.53	-2.04	3.26
2490	63.80	-1.95	3.58
2500	65.17	-1.86	3.93

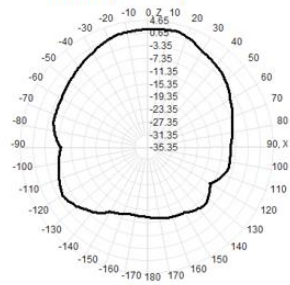
Radiation Patterns (2400MHz)



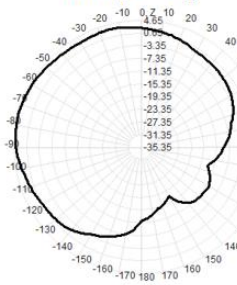
Radiation Patterns (2450MHz)



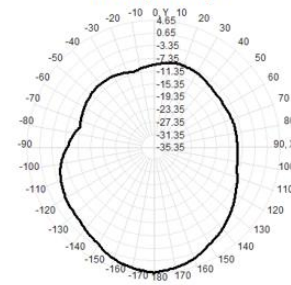
Total(E1-XZ)



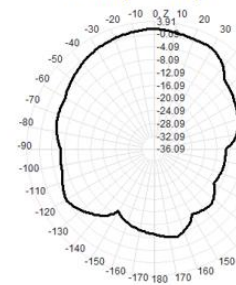
Total(E2-YZ)



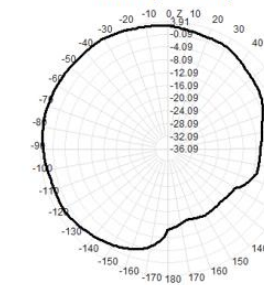
Total(H-XY)



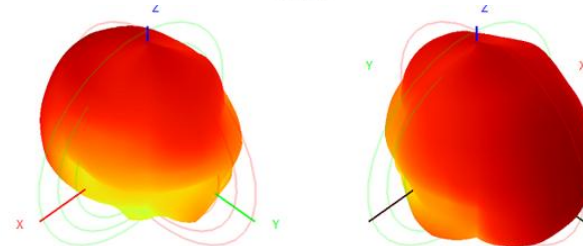
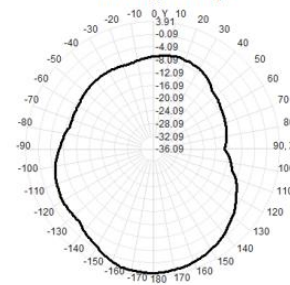
Total(E1-XZ)



Total(E2-YZ)

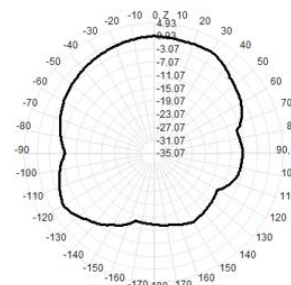


Total(H-XY)

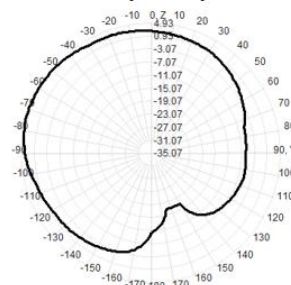


Radiation Patterns (2500MHz)

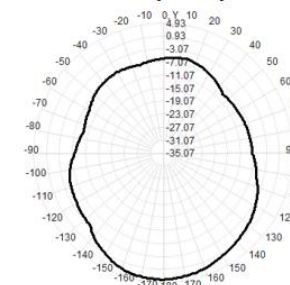
Total(E1-XZ)



Total(E2-YZ)

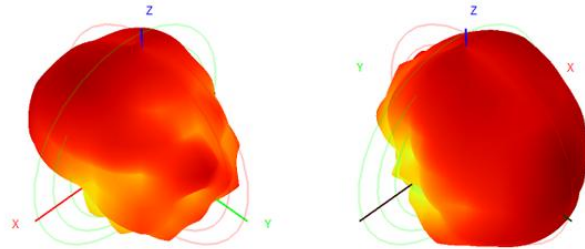


Total(H-XY)

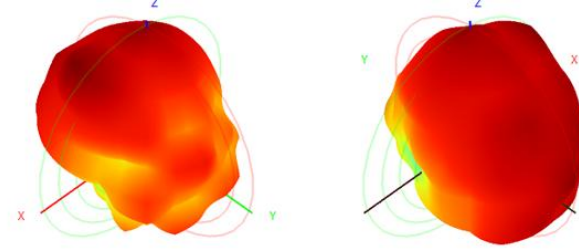


Passive Test For 5150-5850MHz			
Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
5150	50.21	-2.99	3.33
5200	48.20	-3.17	2.94
5250	60.27	-2.20	3.52
5300	61.48	-2.11	3.82
5350	46.44	-3.33	3.06
5400	55.44	-2.56	3.32
5450	64.69	-1.89	3.92
5500	49.75	-3.03	3.55
5550	50.79	-2.94	3.67
5600	57.30	-2.42	3.07
5650	52.83	-2.77	2.86
5700	50.41	-2.97	3.34
5750	52.79	-2.77	3.16
5800	48.26	-3.16	2.64
5850	48.50	-3.14	2.76

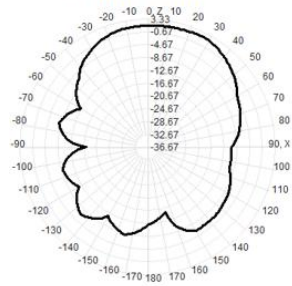
Radiation Patterns (5150MHz)



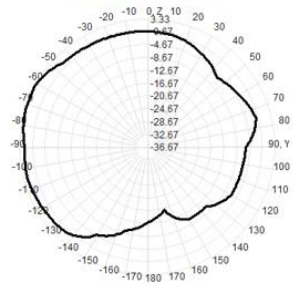
Radiation Patterns (5500MHz)



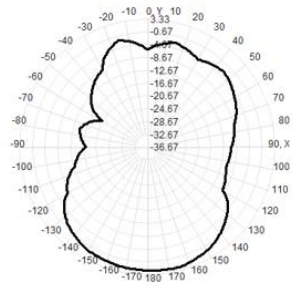
Total(E1-XZ)



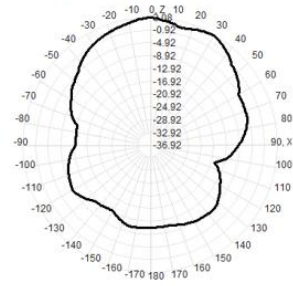
Total(E2-YZ)



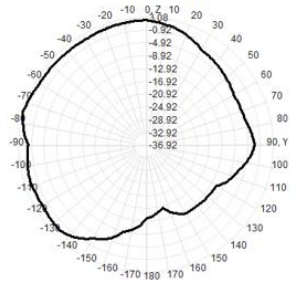
Total(H-XY)



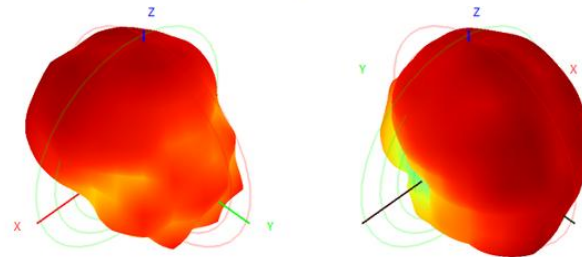
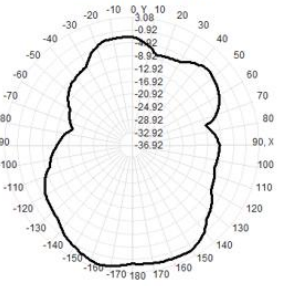
Total(E1-XZ)



Total(E2-YZ)

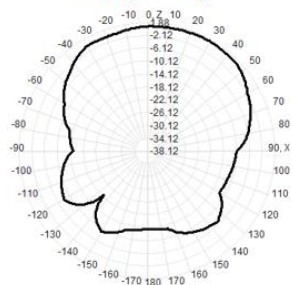


Total(H-XY)

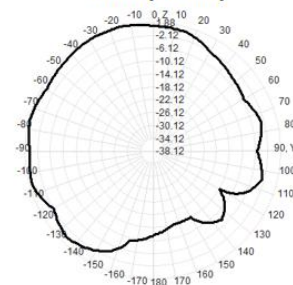


Radiation Patterns (5850MHz)

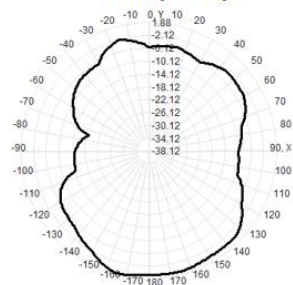
Total(E1-XZ)

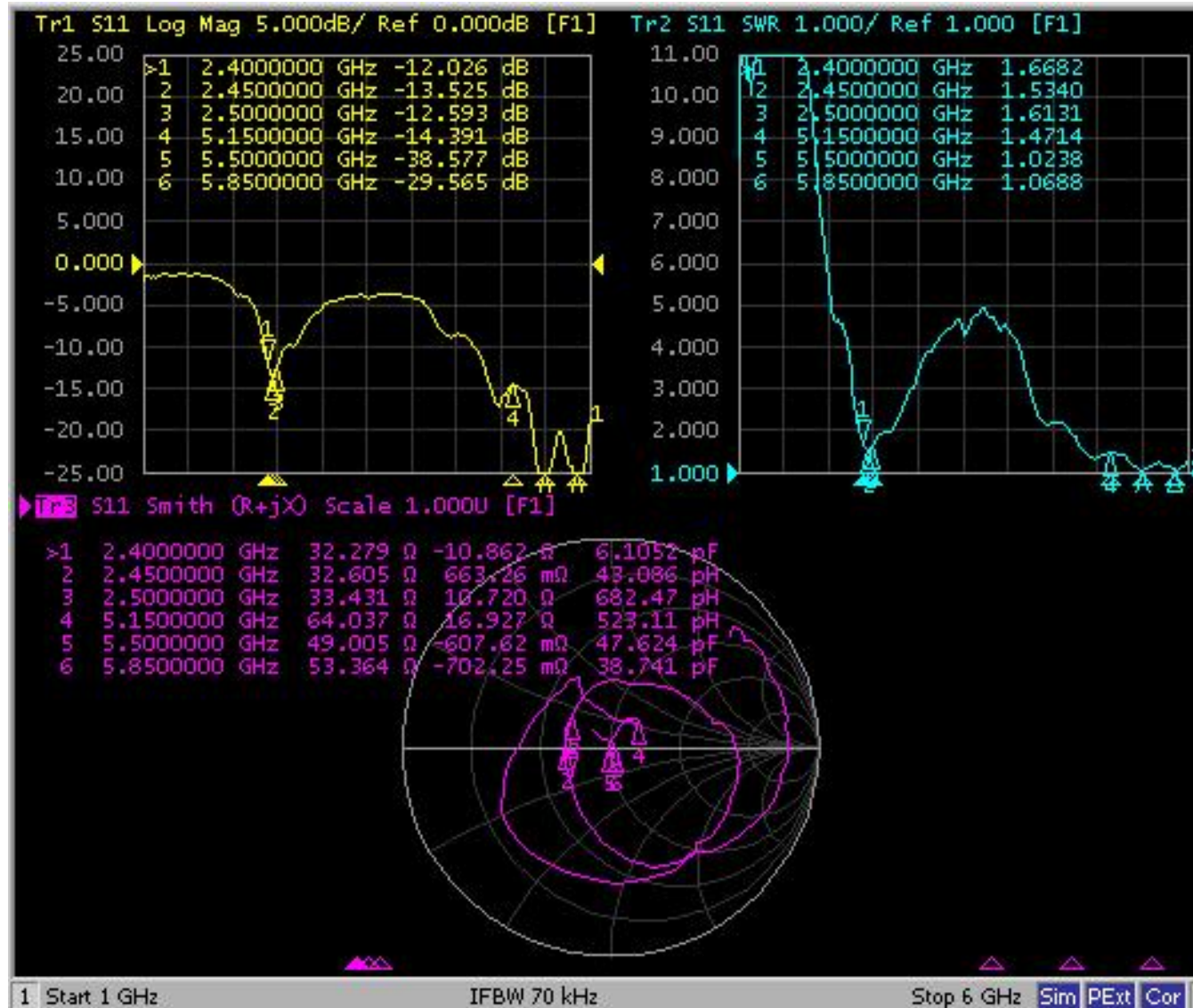


Total(E2-YZ)



Total(H-XY)

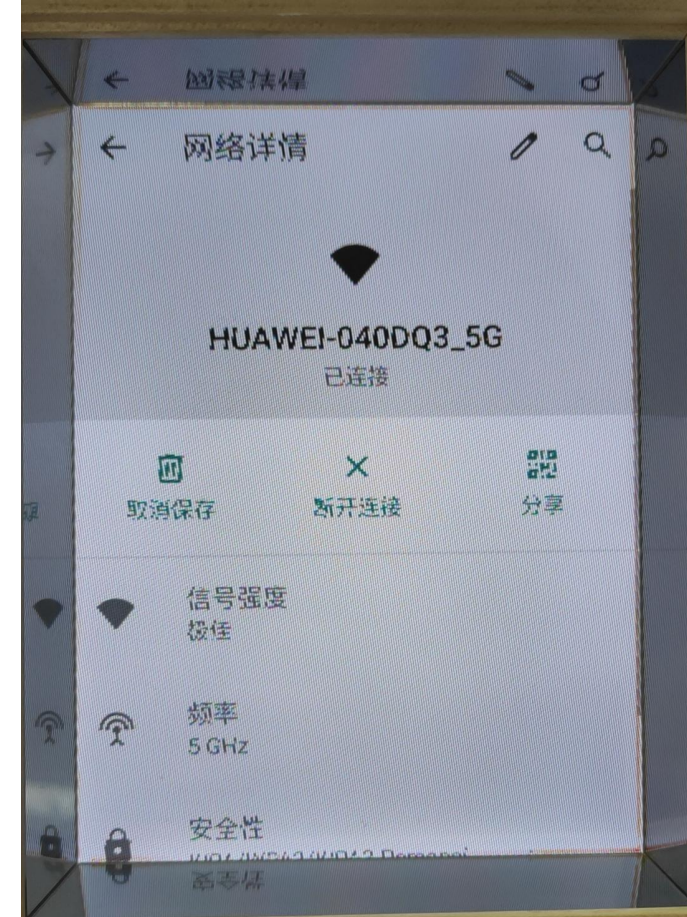






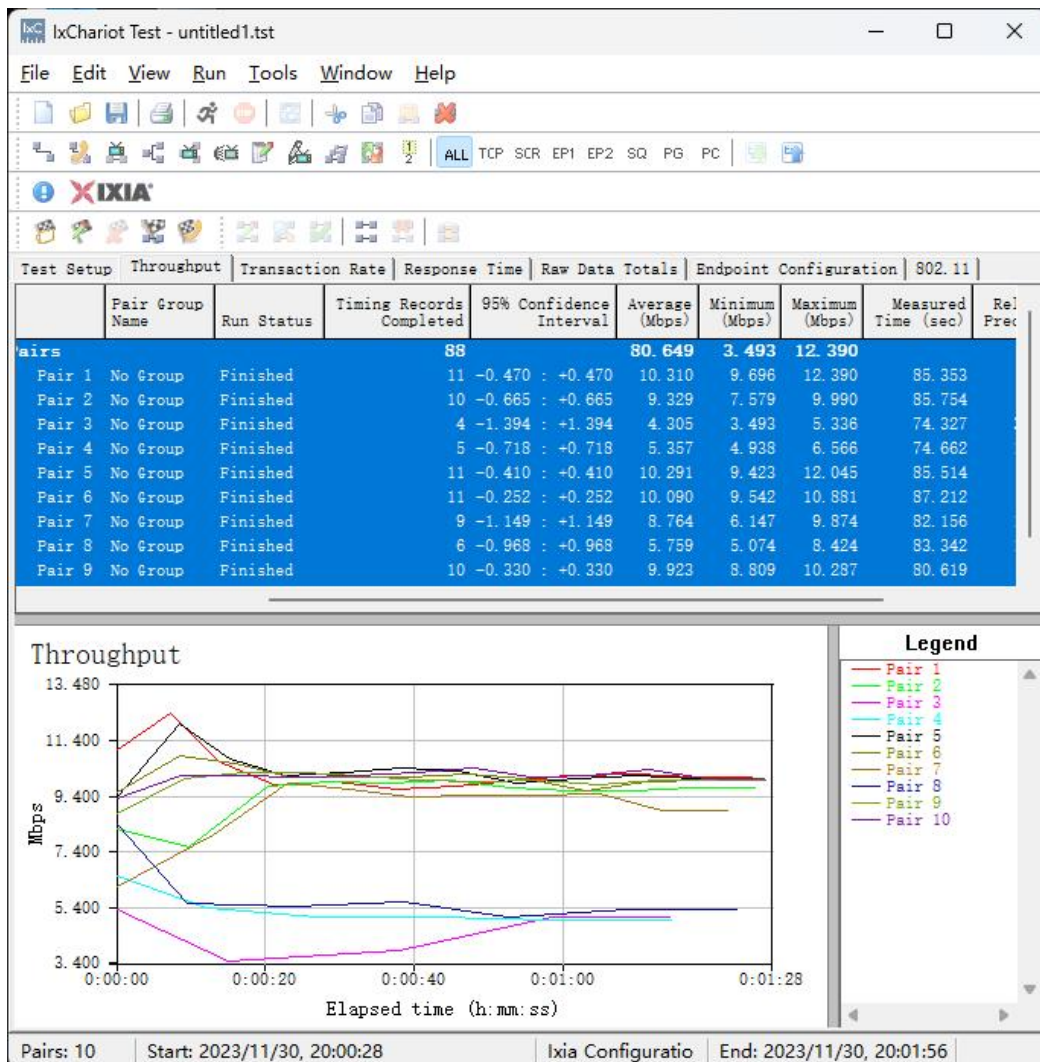
**WIFI-2.4G in the condition of no obstacles,
in our company**

**The signal is full at 20M away from the
router**

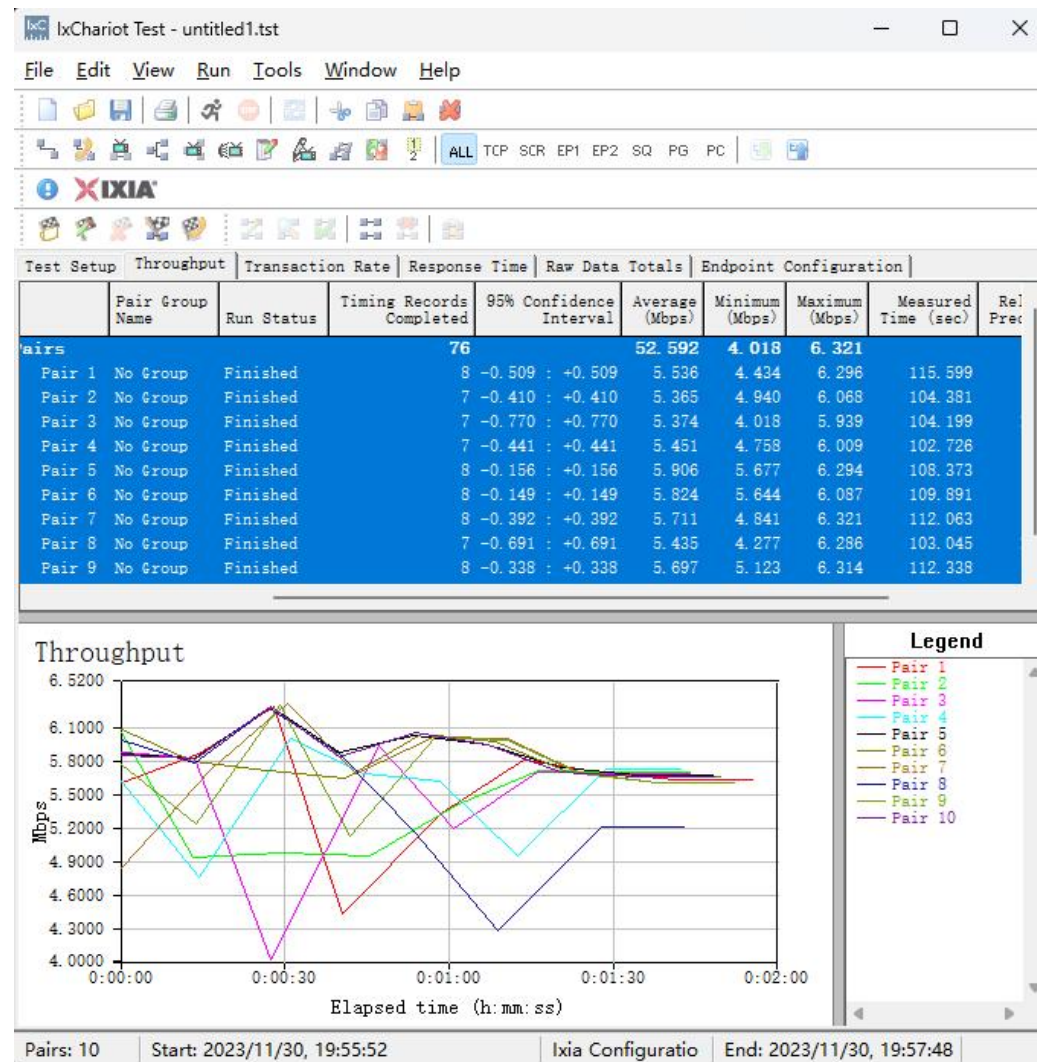


**WIFI-5.8G in the condition of no obstacles,
in our company**

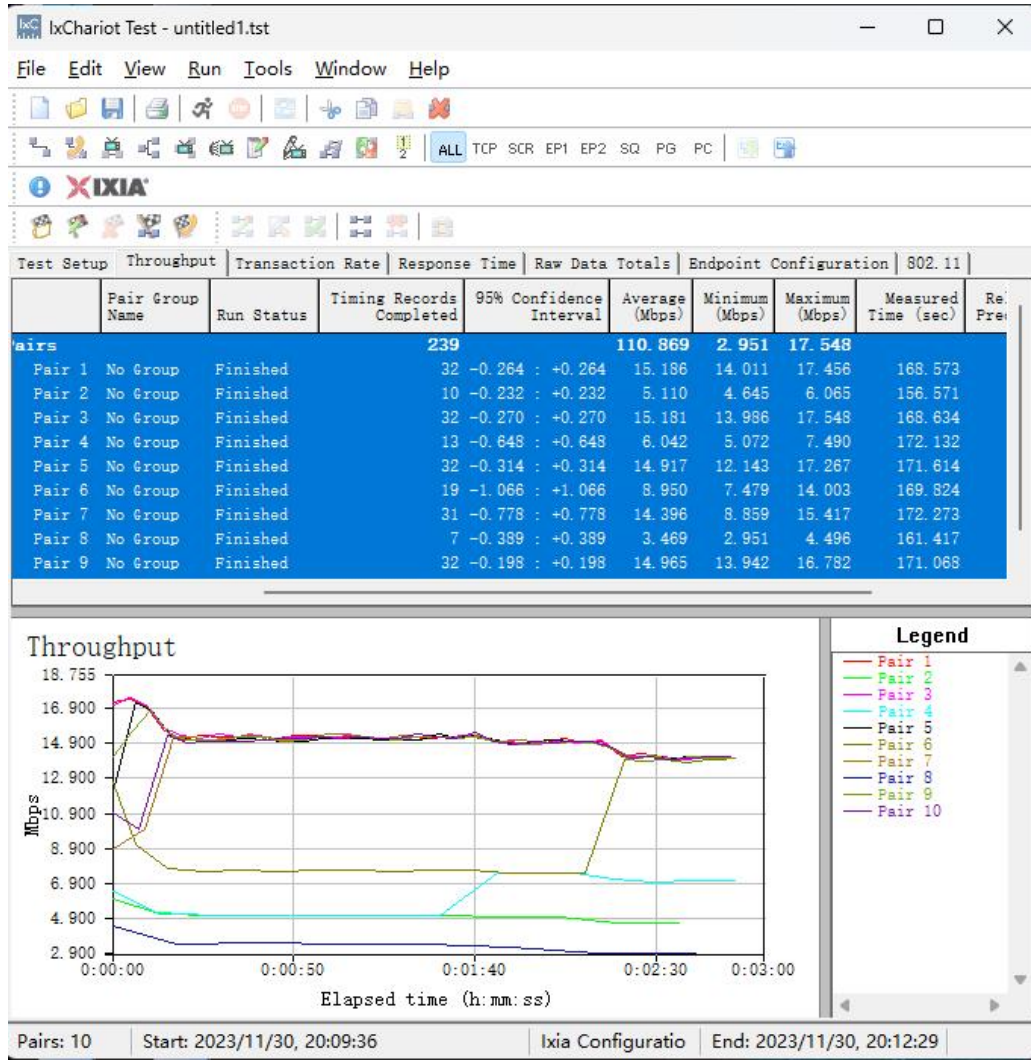
**The signal is full at 13M away from the
router**



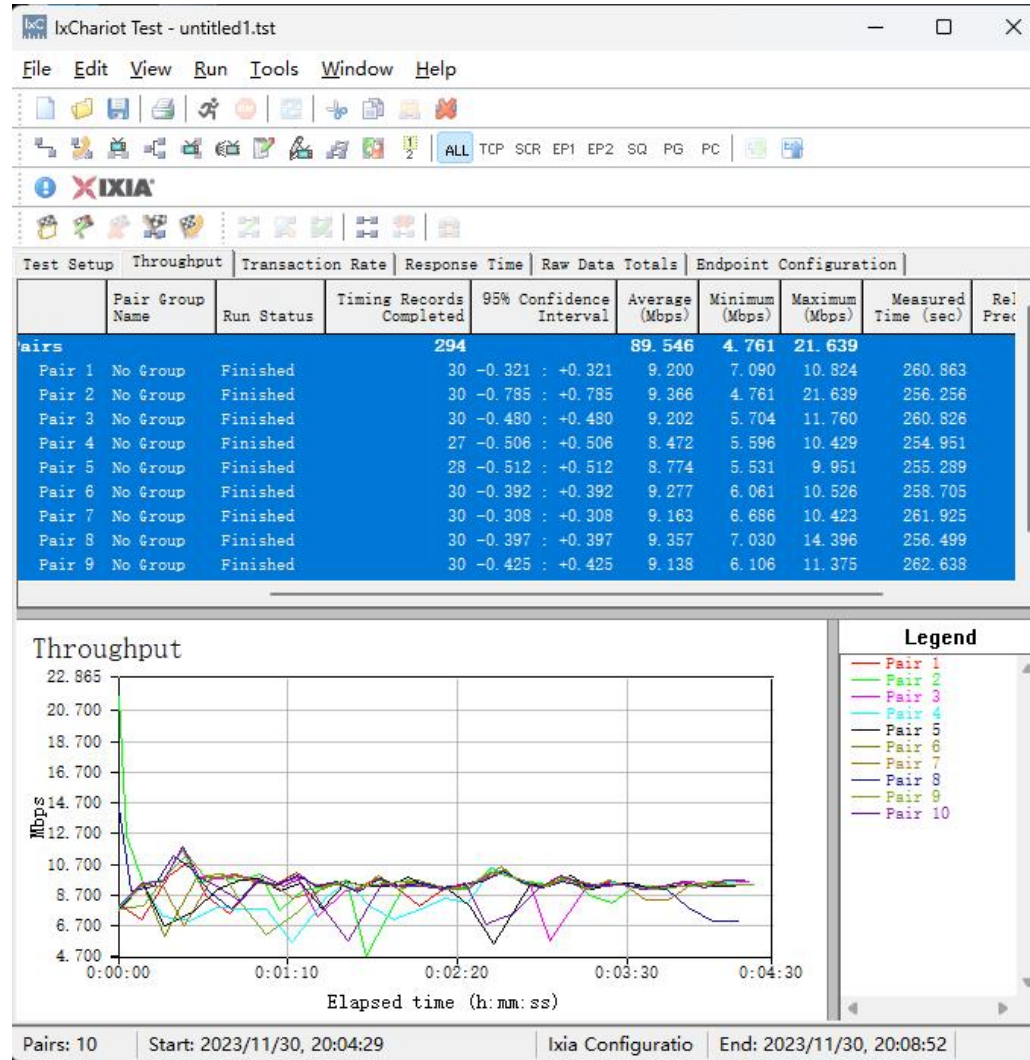
2.4G-TX:80Mbps



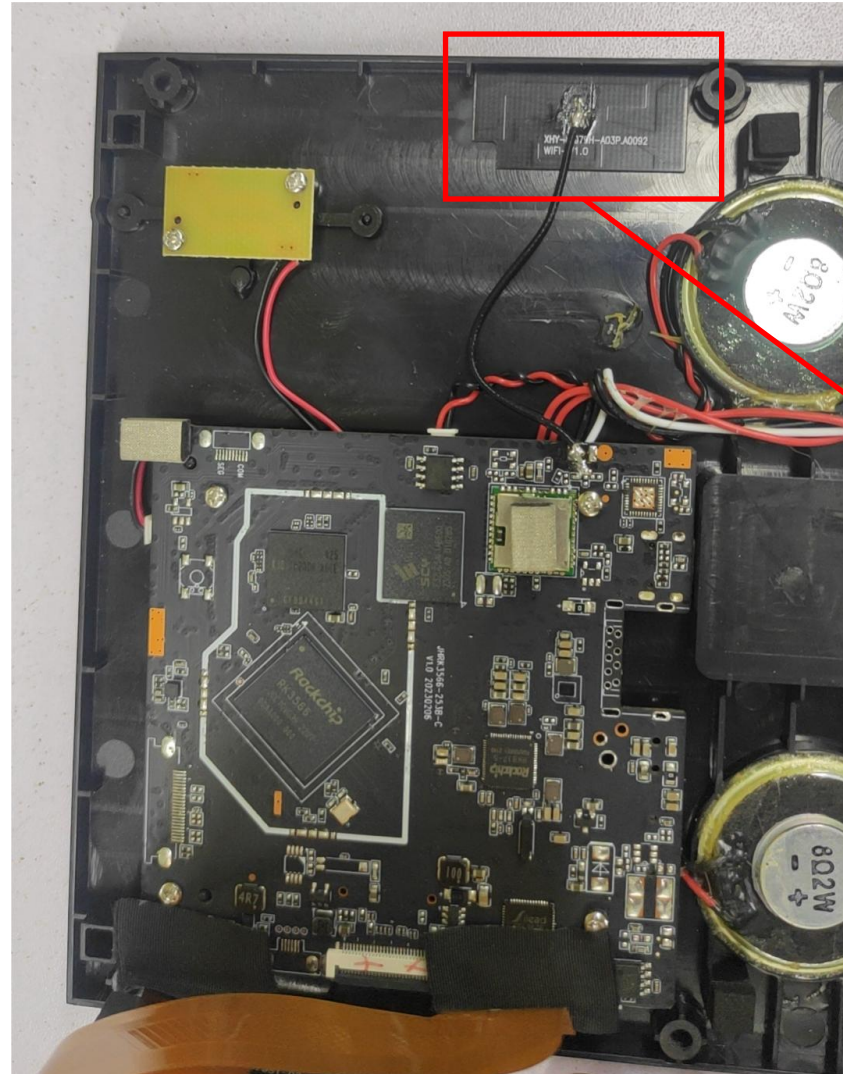
2.4G-RX:52Mbps



5.8G-TX:110Mbps



5.8G-RX:89Mbps



As shown in the figure, the WIFI antenna is attached to this area



JOYHONG, Our Shared career platform.