

PCB Antenna SPEC

Manufacture	Guangzhou Robustel Co., Ltd.		
Antenna type	PCB Antenna	Model	R15XX PCB Antenna
criteria	CTIA 3.9.4	sample quantities	2
test equipment	RZ2800+ZNB8	Frequency	2400MHz ~ 2500MHz
test time	2023/8/4	Impedance	50 Ohm Nominal
test item	OTA passive		
Manufacture address	501, Building #2,63 Yongan Road, Huangpu District, Guangzhou, China		
Polarization	Linear	Operating Temp.	-40 ~ +85 °C



sample number	test item	test config	limit	result
1#	OTA passive test	2.4G-2.5G_spacing 5MHz	/	NA
2#		2.4G-2.5G_spacing 5MHz	/	NA

test data (sheet 1)				test data (sheet 2)			
1#_WiFi antenna Gain				2#_WiFi antenna Gain			
Frequency (MHz)	Efficiency_dB	Gain_dB	Efficiency_Pcent	Frequency (MHz)	Efficiency_dB	Gain_dB	Efficiency_Pcent
2400	-5.16	-1.08	30.5	2400	-5.46	-0.63	28.46
2405	-5.17	-1.1	30.43	2405	-5.47	-0.68	28.38
2410	-5.15	-1.08	30.58	2410	-5.46	-0.61	28.45
2415	-5.09	-1.01	31	2415	-5.41	-0.56	28.78
2420	-5.07	-0.94	31.08	2420	-5.4	-0.58	28.82
2425	-5.01	-0.93	31.55	2425	-5.32	-0.54	29.38
2430	-4.9	-0.9	32.37	2430	-5.22	-0.48	30.08
2435	-4.82	-0.81	32.94	2435	-5.15	-0.44	30.56
2440	-4.68	-0.67	34.04	2440	-5.01	-0.33	31.52
2445	-4.6	-0.62	34.71	2445	-4.93	-0.34	32.16
2450	-4.54	-0.71	35.17	2450	-4.87	-0.27	32.56
2455	-4.42	-0.68	36.16	2455	-4.76	-0.1	33.42
2460	-4.37	-0.61	36.53	2460	-4.73	-0.08	33.65
2465	-4.36	-0.7	36.6	2465	-4.73	-0.06	33.64
2470	-4.31	-0.65	37.06	2470	-4.69	-0.01	33.97
2475	-4.28	-0.56	37.34	2475	-4.65	0.05	34.3
2480	-4.26	-0.56	37.53	2480	-4.64	0.02	34.38
2485	-4.22	-0.61	37.88	2485	-4.6	0	34.65
2490	-4.17	-0.5	38.31	2490	-4.56	0.01	35.03
2495	-4.08	-0.47	39.1	2495	-4.47	0.05	35.74
2500	-4.01	-0.53	39.76	2500	-4.39	0	36.35

