AP6256

Test Report

MAC: ac:83:f3:e7:af:6e

Customer	亚忆
Model Name	AP6255
Report Date	2018/09/03
Engineer	Alex

ANT1_2. 4G

TX test Item	802.11b(Data Rate 11M CCK)		
	Ch1	Ch7	Ch13
TX power (dBm)	15.25	15.07	14.92
TX EVM (dB)	-14.16	-14.24	-14.20
RX Sensitivity	-87	-87	-87
Frep Offset	0.57	0.67	0.80

TX test Item	802.11g (Data Rate 54M OFDM)		
	Ch1	Ch7	Ch13
TX power (dBm)	14.76	14.51	14.39
TX EVM (dB)	-30.60	-29.37	-28.33
RX Sensitivity	-74	-74	-74
Frep Offset	0.98	0.95	0.90

TX test Item	802.11n (HT20_MCS7)		
	Ch1	Ch7	Ch13
TX power (dBm)	13.94	13.62	13.43
TX EVM (dB)	-31.75	-30.30	-29.52
RX Sensitivity	-72	-72	-72
Frep Offset	0.99	1.01	1.55

ANT1_5G

TX test Item	802.11a(Data Rate 54M OFDM)			
	Ch36	Ch100	Ch149	Ch161
TX power (dBm)	13.60	13.07	12.15	12.17
TX EVM (dB)	-30.90	-32.22	-31.92	-31.66
RX Sensitivity	-74	-74	-74	-74
Frep Offset	2.80	2.90	3.02	3.24

TX test Item	802.11n (HT20_MCS7)			
	Ch36	Ch100	Ch149	Ch161
TX power (dBm)	12.84	12.23	11.95	12.02
TX EVM (dB)	-33.14	-32.79	-31.98	-33.61
RX Sensitivity	-72	-72	-72	-72
Frep Offset	2.72	2.66	2.62	2.62

TX test Item	802.11n (HT40_MCS7)			
	Ch38	Ch102	Ch151	Ch159
TX power (dBm)	12.64	12.33	12.05	11.56
TX EVM (dB)	-32.52	-32.20	-31.36	-31.08
RX Sensitivity	-68	-68	-68	-68
Frep Offset	2.50	2.53	2.56	2.60

TX test Item	802.11AC (HT80_MCS9)			
	Ch42	Ch155		
TX power (dBm)	9.64	8.96		
TX EVM (dB)	-35.22	-33.35		
RX Sensitivity	-60	-60		
Frep Offset	2.49	2.50		

调试：1. 晶体匹配电容 8PF　调试为：18PF

　　　2. RF 走线要修改，不可以走 90 度拐角。