

# **PADI IoT Stamp**



# **Wi-Fi Performance Test Report**

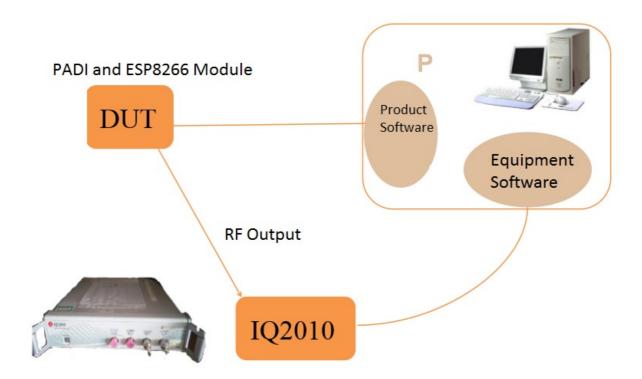


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# 1. Test Setup



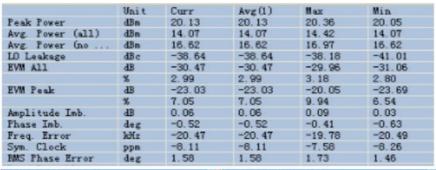


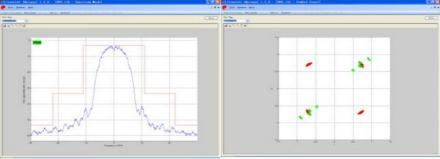
## 2. Module Wi-Fi Connection Test Data

Due to both module signal test data difference are small, below test data are base on CH1 data with 1dBm compensation.

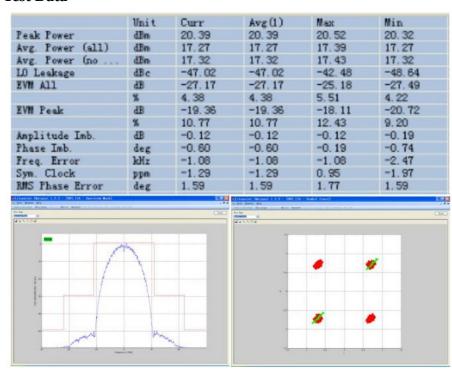
#### 2.1 PADI and ESP8266 module 802.11b test data

#### **ESP8266 Module Test Data**





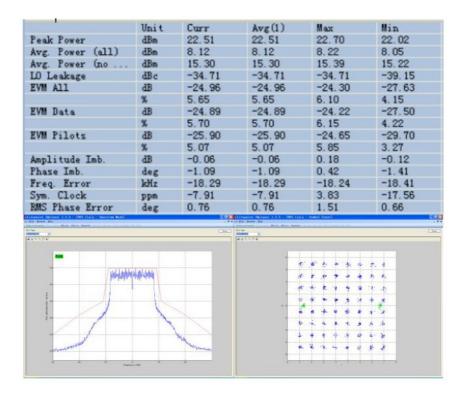
#### **PADI Module Test Data**



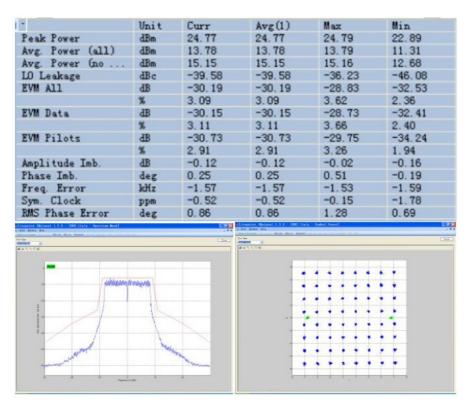


### 2.2 PADI and ESP8266 module 802.11g test data

#### **ESP8266 Module Test Data**



### **PADI Module Test Data**



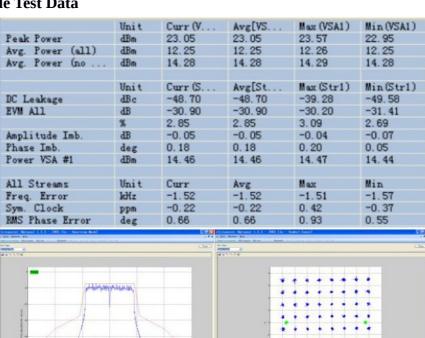


### 2.2 PADI and ESP8266 module 802.11n test data

#### **ESP8266 Module Test Data**

	Unit	Curr (V	Avg[VS	Max (VSA1)	Min(VSA1)
Peak Power	dBm	20.76	20.76	21.82	19.89
Avg. Power (all)	dBm	5.30	5.30	5. 43	5.21
Avg. Power (no	dBm	12.30	12.30	12.43	12.21
	Unit	Curr (S	Avg[St	Max (Str1)	Min(Str1)
DC Leakage	dBc	-40.88	-40.88	-36.84	-44.61
EVM All	dB	-32.59	-32.59	-27.43	-33.58
	×	2.35	2.35	4.25	2.09
Amplitude Imb.	dB	0.02	0.02	0.05	-0.05
Phase Imb.	deg	-0.45	-0.45	-0.14	-0.64
Power VSA #1	dBm	12.31	12.31	12.37	12.29
All Streams	Unit	Curr	Ave	Max	Min
Freq. Error	kHz	-15.86	-15.86	-15.66	-15.89
Sym. Clock	ppm	-10.51	-10.51	3.44	-12.93
RMS Phase Error	deg	0.34	0.34	0.82	0.21
(Sepolat 19-lated 1-2-1 - (82) the - Spectrum Beck)		5.01	tingethe included to 2 for 1887, the co	Symbol (copt)	
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#### **PADI Module Test Data**





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