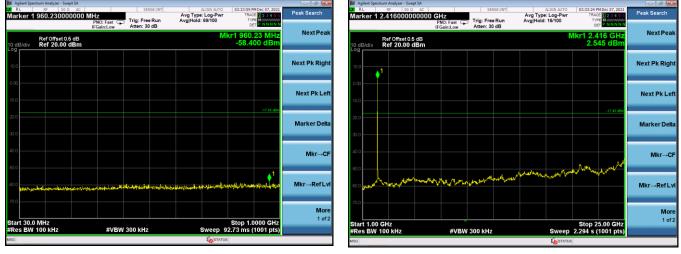


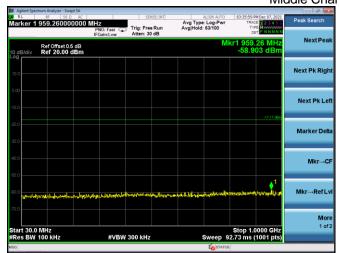
CONDUCTED EMISSION MEASUREMENT 802.11b



Low Channel 2412MHz

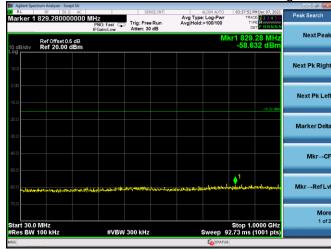
Middle Channel 2437MHz





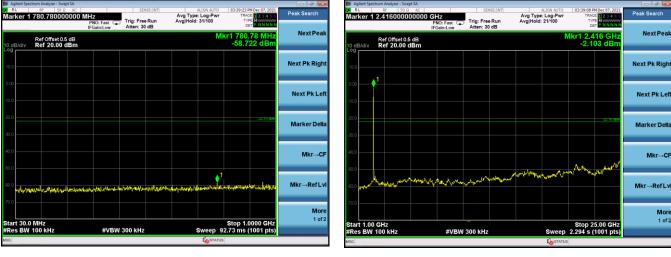


High Channel 2462MHz

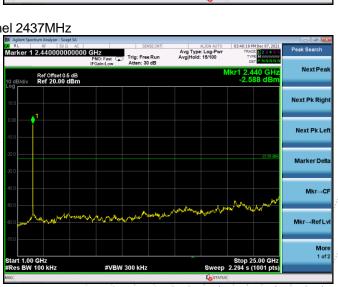




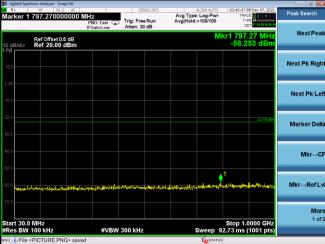
802.11g



Low Channel 2412MHz

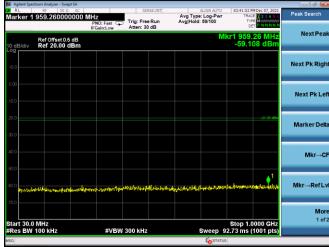






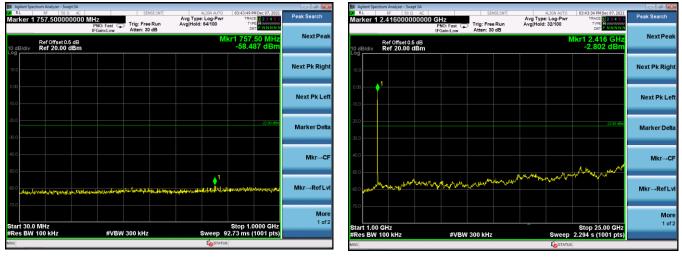
.







802.11n20



Low Channel 2412MHz

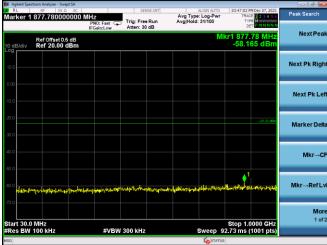
Middle Channel 2437MHz





High Channel 2462MHz







13. Duty Cycle Of Test Signal

13.1 Standard Requirement

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle. All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

13.2 Formula

Duty Cycle = Ton / (Ton+Toff)

13.3 Test Procedure

1.Set span = Zero

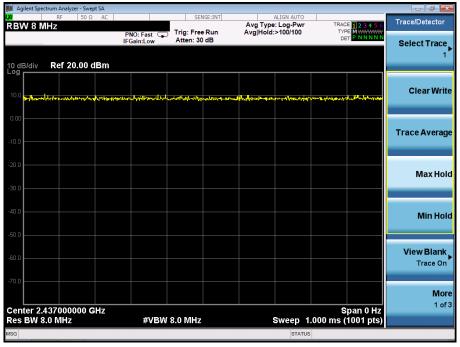
- 2. RBW = 8MHz
- 3. VBW = 8MHz,
- 4. Detector = Peak

13.4 Test Result

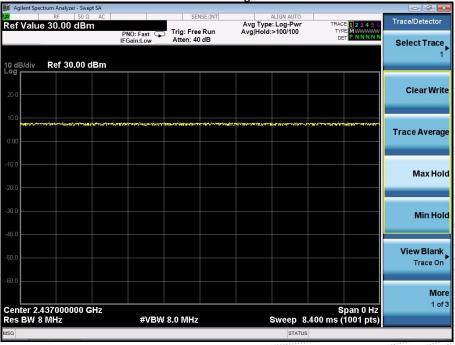
	Duty Cycle	Duty Fator (dB)		
802.11b	1	0		
802.11g	1	\sim		
802.11n(HT20)	1	0		



802.11b



802.11g





802.11n(HT20)

PNO: Fast Program Avg Hold:>100/100 Pre Avg Program Pr	Agilent Spectrum Analyzer - Swept SA				
Select Trace 1	X RF 50 Ω AC RBW 8 MHz		Avg Type: Log-Pwr		Frace/Detector
29 Clear Write 100 100 1000 100					Select Trace
29 Clear Write 100 100					1
Image: second	10 dB/div Ref 20.00 dBm				
1 1	10.0				Clear Write
Image: Constraint of the second o		an and the second and the second second	manharhikelegetelestoponymenteretereter	mulionlynersignitions	
00 <	0.00				
Max Hold Max Hold Max Hold Min Hold View Blank Trace On More theref 2.437000000 GHz Span 0 Hz Span 0 Hz	-10.0				Trace Average
Max Hold Max Hold Min Hold View Blank Trace On More there 2.437000000 GHz Span 0 Hz Span 0 Hz	10.0				
00 Min Hold 00 Min Hold 00 View Blank 01 Trace On 02 Mon 03 Span 0 Hz	-20.0				MaxHold
Min Hold Min Hold View Blank Trace On More enter 2.437000000 GHz Span 0 Hz 1 of 3	-30.0				Max Hor
Min Hol Min Hol View Blank Trace On Mor enter 2.437000000 GHz Span 0 Hz 1 of					
00 View Blank Trace On OU enter 2.437000000 GHz Span 0 Hz	-40.0				Min Hole
Trace On Trace On More enter 2.437000000 GHz Span 0 Hz	-50.0				
Trace On Trace On More enter 2.437000000 GHz Span 0 Hz					View Blank
enter 2.437000000 GHz Span 0 Hz	-60.0				
enter 2.437000000 GHz Span 0 Hz	-70.0				
enter 2.437000000 GHz Span 0 Hz					
es BW 8.0 MHz #VBW 8.0 MHz Sweep 1.000 ms (1001 pts)	Center 2.437000000 GHz Span 0 Hz				
g status					

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14. Antenna Requirement

14.1 Limit

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

14.2 Test Result

The EUT antenna is PCB antenna, fulfill the requirement of this section.



15. EUT Photographs

EUT Photo 1



EUT Photo 2



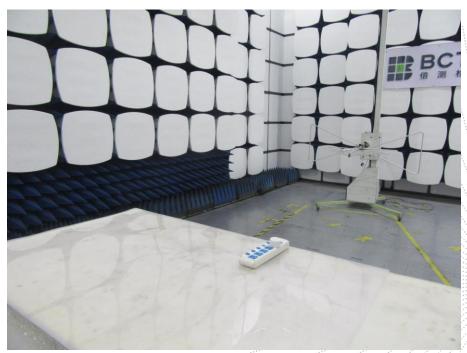


16. EUT Test Setup Photographs

Conducted emissions

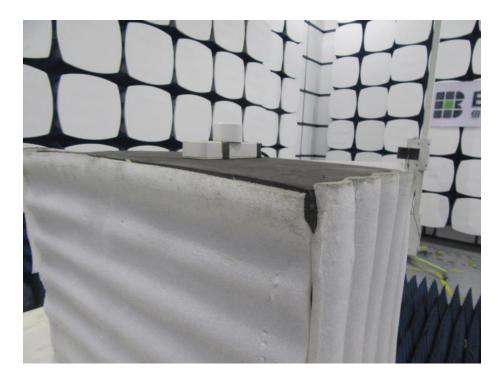


Radiated Measurement Photos



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STATEMENT

1. The equipment lists are traceable to the national reference standards.

2. The test report can not be partially copied unless prior written approval is issued from our lab.

3. The test report is invalid without stamp of laboratory.

4. The test report is invalid without signature of person(s) testing and authorizing.

5. The test process and test result is only related to the Unit Under Test.

6. The quality system of our laboratory is in accordance with ISO/IEC17025.

7.If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

Address:

1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

TEL: 400-788-9558

P.C.: 518103

FAX: 0755-33229357

Website : http://www.chnbctc.com

E-Mail : bctc@bctc-lab.com.cn

***** END *****

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