<text><text><text><text><text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text></text></text></text></text>		
Report No.:       RF171130C29-7         FCC ID:       HD5-CN80L1N         Test Model:       CN80L1N         Received Date:       Dec. 04, 2017         Test Date:       Jan. 02 to 03, 2018         Issued Date:       Mar. 08, 2018         Applicant:       Honeywell International Inc.         Address:       9680 Old Bailes Road, Fort Mill, SC 29707 USA         Issued By:       Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory         Lab Address:       E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.         FCC Registration /       729265 (TM/2022)		
<ul> <li>FCC ID: HD5-CN80L1N</li> <li>Test Model: CN80L1N</li> <li>Received Date: Dec. 04, 2017</li> <li>Test Date: Jan. 02 to 03, 2018</li> <li>Issued Date: Mar. 08, 2018</li> <li>Applicant: Honeywell International Inc.</li> <li>Address: 9680 Old Bailes Road, Fort Mill, SC 29707 USA</li> <li>Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory</li> <li>Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.</li> <li>FCC Registration / 702265 / TW2022</li> </ul>		DFS Test Report
Test Model:CN80L1NReceived Date:Dec. 04, 2017Test Date:Jan. 02 to 03, 2018Issued Date:Mar. 08, 2018Applicant:Honeywell International Inc.Address:9680 Old Bailes Road, Fort Mill, SC 29707 USAIssued By:Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu LaboratoryLab Address:E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.FCC Registration /702255 (TW2022)	Report No.:	RF171130C29-7
Received Date:       Dec. 04, 2017         Test Date:       Jan. 02 to 03, 2018         Issued Date:       Mar. 08, 2018         Applicant:       Honeywell International Inc.         Address:       9680 Old Bailes Road, Fort Mill, SC 29707 USA         Issued By:       Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory         Lab Address:       E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.         FCC Registration /       729265 / TW2022	FCC ID:	HD5-CN80L1N
Test Date:       Jan. 02 to 03, 2018         Issued Date:       Mar. 08, 2018         Applicant:       Honeywell International Inc.         Address:       9680 Old Bailes Road, Fort Mill, SC 29707 USA         Issued By:       Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory         Lab Address:       E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.         FCC Registration /       722255 (TW/2022)	Test Model:	CN80L1N
<ul> <li>Issued Date: Mar. 08, 2018</li> <li>Applicant: Honeywell International Inc.</li> <li>Address: 9680 Old Bailes Road, Fort Mill, SC 29707 USA</li> <li>Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory</li> <li>Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.</li> <li>FCC Registration / 722255 / TW2022</li> </ul>	Received Date:	Dec. 04, 2017
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<ul> <li>Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory</li> <li>Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.</li> <li>Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.</li> <li>FCC Registration / 722255 (TW2022)</li> </ul>	Applicant:	Honeywell International Inc.
Branch Hsin Chu Laboratory         Lab Address:         E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.         Test Location :       E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.         FCC Registration /       722255 (TW/2022)	Address:	9680 Old Bailes Road, Fort Mill, SC 29707 USA
	Lab Addres Test Location FCC Registration	<ul> <li>Branch Hsin Chu Laboratory</li> <li>ss: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.</li> <li>n: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.</li> <li>/ 722255 (TW2022)</li> </ul>
	nly with our prior written permission. Th	copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitte his report sets forth our findings solely with respect to the test samples identified herein. The results set forth in the re of the quality or characteristics of the lot from which a test sample was taken or any similar or identical produ

I his report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification. The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any government agencies.



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	Release	e Control Record	
Issue No.	Description		Date Issued
RF171130C29-7	Original release.		Mar. 08, 2018



### 1 Certificate of Conformity

Product:	Dolphin CN80
Brand:	Honeywell
Test Model:	CN80L1N
Sample Status:	ENGINEERING SAMPLE
Applicant:	Honeywell International Inc.
Test Date:	Jan. 02 to 03, 2018
Standards:	FCC Part 15, Subpart E (Section 15.407)
	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02
	KDB 905462 D03 Clients Without Radar Detection New Rules v01r02

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by :	Mary Ko Mary Ko / Specialist	, Date:	Mar. 08, 2018	
Approved by :	May Chen / Manager	, Date:	Mar. 08, 2018	



## 2 EUT Information

# 2.1 Operating Frequency Bands and Mode of EUT

Table 1: Operating Frequency Bands and Mode of EUT

Operational Made	Operating Frequency Range		
Operational Mode	5250~5350MHz	5470~5725MHz	
Client without radar detection and ad hoc function	$\checkmark$	✓	

#### 2.2 EUT Software and Firmware Version

Table 2: The EUT Software/Firmware Version

No.	Product	Model No.	Software/Firmware Version
4	Delphin CN80		V1.2.1.6.44.4.21+
	Dolphin CN80	CN80L1N	Jenkins-slave@ch3uu0005#1 Wed Dec 600:11:13 GMT 2017



# 2.3 Description of Available Antennas to the EUT

	Table 3: Antenna List						
			Rad	io 1			
	WLAN An	tenna S	Spec. / Blue	etooth Ant	enna N	lo. 1 Spec.	
Chain No.	Antenna Gain include trace loss and cable loss (dBi)	-	ency range GHz)	Antenna	type	Connector ty	pe Trace loss and cable loss (dB)
	-0.38	2.4^	-2.4835				1.6
	-0.39	5.1	5~5.25				
Chain 0	-0.39	5.2	5~5.35	PIFA	4	POGO pin	3
	-0.39	5.47	7~5.725				3
	-0.39	5.72	25~5.85				
	3.36	2.4~	-2.4835				0.6
	3.46	5.1	5~5.25				
Chain 1	3.46	5.2	5~5.35	PIFA	A	POGO pin	1.2
	3.46		7~5.725				1.2
	3.46	5.72	25~5.85				
		V	VWAN Ante	enna Spec			
Chain No.	Antenna Gain include trace loss (dBi)	Freque	ency range	Antenna	type	Connector typ	pe Trace loss (dB)
	0.28	700~	960MHz				0.4
Chain 0	1.15	1.70 <sup>,</sup>	~2.0GHz			DOCO nin	0.6
Chain 0	1.37	2.1~	2.4GHz	PIFF	PIFA POGO pin 0.8 0.9		0.8
	1.02	2.4~	2.7GHz				0.9
	0.79	700~	960MHz				0.4
Chain 1	-0.35	1.70 <sup>,</sup>	~2.0GHz	PIFA	7	POGO pin	0.6
(RX only)	1.05	2.1~	2.4GHz	,	•		0.8
	0.37	2.4~	2.7GHz				0.9
			Rad				
	Bluetooth Antenna No. 2 Spec. / Zigbee Antenna Spec.						
Antenna Gain include trace los (dBi)		ange	Antenn	na type Connector type Trace loss (dB)			
-0.03	2.4~2.48	35	PIF	PIFA POGO pin 0.8			
			Rad	io 3			
NFC Antenna Spec.							
	cy range Hz)		Antenn	a type		Con	nector type
	~14		Lo	ор			NA



#### 2.4 EUT Maximum Conducted Power

Table 4: The Measured Conducted Output Power

## 802.11a

FREQUENCY BAND	MAX. POWER			
(MHz)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)		
5250~5350	85.076	19.3		
5470~5725	84.831	19.29		

# 802.11ac (VHT20)

FREQUENCY BAND	MAX. POWER			
(MHz)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)		
5250~5350	84.217	19.25		
5470~5725	84.88	19.29		

#### 802.11ac (VHT40)

FREQUENCY BAND	MAX. POWER			
(MHz)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)		
5250~5350	85.083	19.30		
5470~5725	85.088	19.30		

# 802.11ac (VHT80)

FREQUENCY BAND	MAX. POWER			
(MHz)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)		
5250~5350	37.937	15.79		
5470~5725	79.627	19.01		



#### 2.5 EUT Maximum EIRP Power

Table 5: The EIRP Output Power List

## 802.11a

FREQUENCY BAND	MAX. POWER		
(MHz)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	
5250~5350	188.715	22.76	
5470~5725	188.172	22.75	

#### 802.11ac (VHT20)

FREQUENCY BAND	MAX. POWER		
(MHz)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	
5250~5350	186.81	22.71	
5470~5725	188.281	22.75	

#### 802.11ac (VHT40)

FREQUENCY BAND	MAX. POWER		
(MHz)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	
5250~5350	188.731	22.76	
5470~5725	188.742	22.76	

## 802.11ac (VHT80)

FREQUENCY BAND	MAX. POWER		
(MHz)	OUTPUT POWER(mW)	OUTPUT POWER(dBm)	
5250~5350	84.152	19.25	
5470~5725	176.628	22.47	



## 2.6 Transmit Power Control (TPC)

U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Applicable EIRP		FCC 15.407 (h)(1)
>500mW		The TPC mechanism is required for system with an EIRP of above 500mW
√ <500mW		The TPC mechanism is not required for system with an EIRP of less 500mW

#### 2.7 Statement of Maunfacturer

Manufacturer statement confirming that information regarding the parameters of the detected Radar Waveforms is not available to the end user. And the device doesn't have Ad Hoc mode on DFS frequency band.



# U-NII DFS Rule Requirements Working Modes and Required Test Items

The manufacturer shall state whether the UUT is capable of operating as a Master and/or a Client. If the UUT is capable of operating in more than one operating mode then each operating mode shall be tested separately. See tables 6 and 7 for the applicability of DFS requirements for each of the operational modes.

	Operational Mode			
Requirement	Master	Client without radar detection	Client with radar detection	
Non-Occupancy Period	~	✓ note	$\checkmark$	
DFS Detection Threshold	~	Not required	$\checkmark$	
Channel Availability Check Time	✓	Not required	Not required	
U-NII Detection Bandwidth	~	Not required	$\checkmark$	

Table 6: Applicability of DFS Requirements Prior To Use a Channel

Note: Regarding KDB 905462 D03 Client Without Radar Detection New Rules v01r02 section(b)(5/6), If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear. An analyzer plot that contains a single 30-minute sweep on the original channel.

Table 7: Applicability of DFS Requirements during Normal Operation.

	Operational Mode		
Requirement	Master or Client with radar detection	Client without radar detection	
DFS Detection Threshold	~	Not required	
Channel Closing Transmission Time	~	$\checkmark$	
Channel Move Time	~	√	
U-NII Detection Bandwidth	✓	Not required	

Additional requirements for devices with multiple bandwidth modes	Master or Client with radar detection	Client without radar detection	
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required	
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link	
All other tests	Any single BW mode	Not required	

Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.



#### 3.2 Test Limits and Radar Signal Parameters

#### **Detection Threshold Values**

Table 8: DFS Detection Thresholds For Master Devices And Client Devices with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and	
power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the	
power spectral density requirement	-64 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

#### Table 9: DFS Response Requirement Values

Parameter	Value	
Non-occupancy period	Minimum 30 minutes	
Channel Availability Check Time	60 seconds	
Channel Move Time	10 seconds See Note 1.	
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3	

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.



## Parameters of DFS Test Signals

Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials		
0	1	1428	18	See Note 1	See Note 1		
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 $\mu$ sec, with a minimum increment of 1 $\mu$ sec, excluding PRI values selected in Test A	Roundup $ \begin{cases} \left(\frac{1}{360}\right) \cdot \\ \left(\frac{19 \cdot 10^{6}}{\text{PRI}_{\mu \text{ sec}}}\right) \end{cases} $	60%	30		
2	1-5	150-230	23-29	60%	30		
3	6-10	200-500	16-18	60%	30		
4	11-20	200-500	12-16	60%	30		
	Aggreg	80%	120				
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.							

Table 10: Short Pulse Radar Test Waveforms



_	Table 11: Long Pulse Radar Test Waveform							
	adar ype	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Number of Pulses Per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Number of Trials
	5	50-100	5-20	1000-2000	1-3	8-20	80%	30

Three subsets of trials will be performed with a minimum of ten trials per subset. The subset of trials differ in where the Long Pulse Type 5 Signal is tuned in frequency.

a) the Channel center frequency

b) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the low edge of the UUT Occupied Bandwidth

 c) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the high edge of the UUT Occupied Bandwidth

It include 10 trails for every subset, the formula as below,

For subset case 1: the center frequency of the signal generator will remain fixed at the center of the UUT Channel.

For subset case 2: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 2. The center frequency of the signal generator for each trial is calculated by:

#### FL+(0.4\*Chirp Width [in MHz])

For subset case 3: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 3. The center frequency of the signal generator for each trial is calculated by:

FH-(0.4\*Chirp Width [in MHz])

#### Table 12: Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30



## 4. Test & Support Equipment List

#### 4.1 Test Instruments

Table 13: Test Instruments List

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer Agilent	N9030A	MY55410176	Jul. 19, 2017	Jul. 18, 2018
Vector Signal Generator Agilent	E4438C	MY45094468	Nov. 26, 2017	Nov. 25, 2018
DFS Control Box	BV-DFS-CB	001	Sep. 18, 2017	Sep. 17, 2018

## 4.2 Description of Support Units

Table 14: Support Unit Information.

No.	Product	Brand	Model No.	FCC ID	SPEC.
1	WIRELESS AC MODULE	D-Link	WMC-AC01	RRK2012060056-1	The maximum EIRP is 27.64 dBm, Antenna Gain is 3.428dBi

**NOTE:** This device was functioned as a  $\square$ Master  $\square$ Slave device during the DFS test.

No.	Product	Model No.	Software/Firmware Version
1.	WIRELESS AC MODULE	WMC-AC01	1.00 Wed 06 Mar 2013

Note: This module WMC-AC01 was installed in the DIR-868LAP.

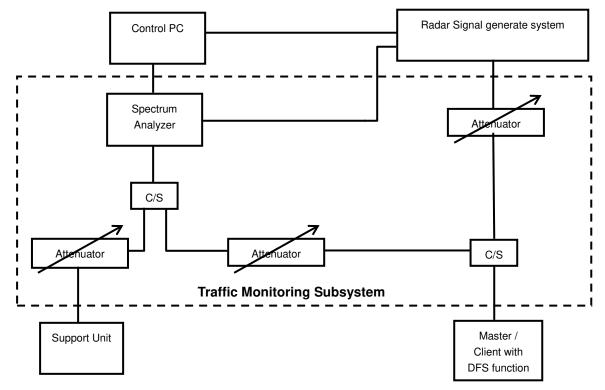


## 5. Test Procedure

## 5.1 DFS Measurement System

A complete DFS Measurement System consists of Radar signal generate system to generating the radar waveforms in Table 10, 11 and 12. The traffic monitoring system is specified to the type of unit under test (UUT).

## Conducted Setup Configuration of DFS Measurement System



## Channel Loading

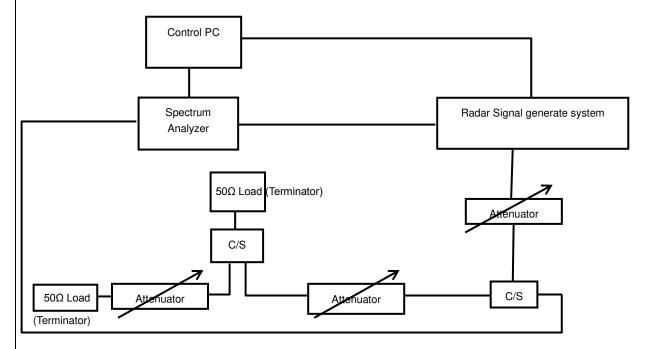
System testing will be performed with channel-loading using means appropriate to the data types that are used by the unlicensed device. The following requirements apply:

a)	The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode.	
b)	Software to ping the client is permitted to simulate data transfer but must have random ping intervals.	
c)	Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater.	$\checkmark$
d)	Unicast or Multicast protocols are preferable but other protocols may be used. The appropriate protocol used must be described in the test procedures.	



## 5.2 Calibration of DFS Detection Threshold Level

The measured channel is 5500 MHz in 20MHz Bandwidth, 5510MHz in 40MHz Bandwidth. 5530MHz in 80MHz Bandwidth. The radar signal was the same as transmitted channels, and injected into the antenna port of AP (master) or Client Device with Radar Detection, measured the channel closing transmission time and channel move time. The Master antenna gain is 3.428dBi and required detection threshold is -59.572dBm (= -64 +1 +3.428). The calibrated conducted detection threshold level is set to -59.572 dBm.



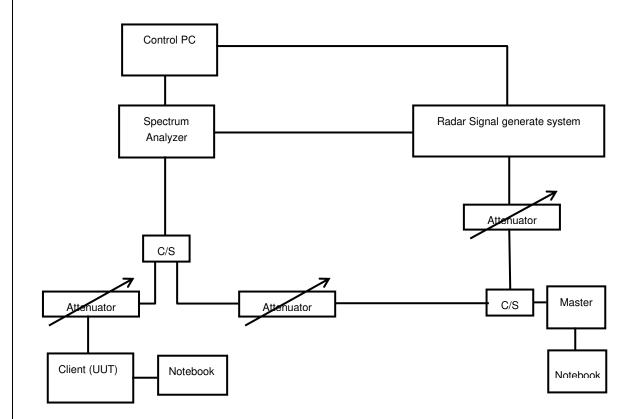
### Conducted Setup Configuration of Calibration of DFS Detection Threshold Level

## 5.3 Deviation From Test Standard

No deviation.

## 5.4 Conducted Test Setup Configuration

#### 5.4.1 Client without Radar Detection Mode



The UUT is a U-NII Device operating in Client mode without radar detection. The radar test signals are injected into the Master Device.



## 6. Test Results

# 6.1 Summary of Test Results

CLAUSE	TEST PARAMETER	REMARKS	PASS/FAIL
15.407	DFS Detection Threshold	Not Applicable	NA
15.407	Channel Availability Check Time	Not Applicable	NA
15.407	Channel Move Time	Applicable	Pass
15.407	Channel Closing Transmission Time	Applicable	Pass
15.407	Non- Occupancy Period	Applicable	Pass
15.407	U-NII Detection Bandwidth	Not Applicable	NA
15.407	Non-associated test	Applicable	Pass
15.407	Non-Co-Channel test	Applicable	Pass

## 6.2 Test Results

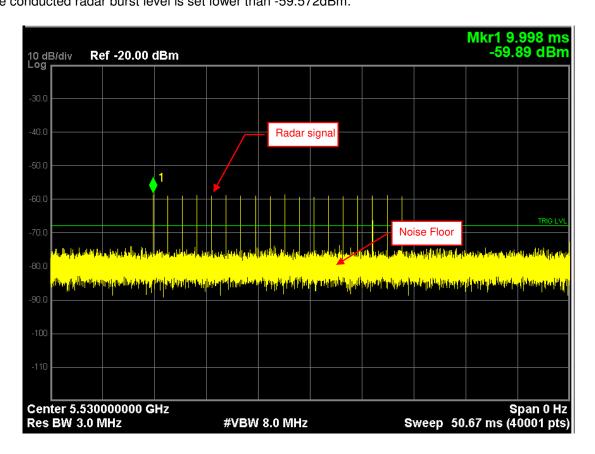


6.2.1 Test Mode: Device Operating In Client without Radar Detection Mode.

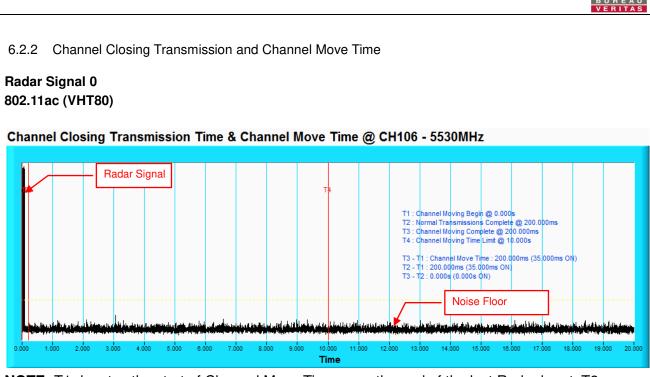
The radar test signals are injected into the Master Device. This test was investigated for different bandwidth ( $20MHz \cdot 40MHz$  and 80MHz). The following plots was done on 80MHz as a representative

## DFS Detection Threshold

The Required detection threshold is -59.572dBm (= -64 + 1 + 3.428). The conducted radar burst level is set lower than -59.572dBm.

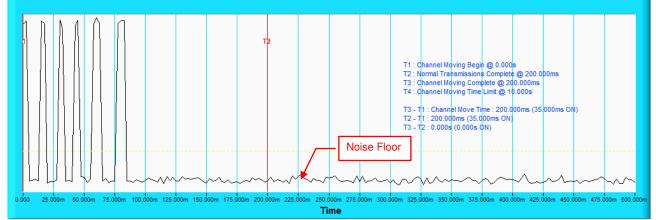


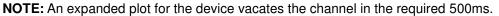
Radar Signal 0



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

Channel Closing Transmission Time & Channel Move Time @ CH106 - 5530MHz



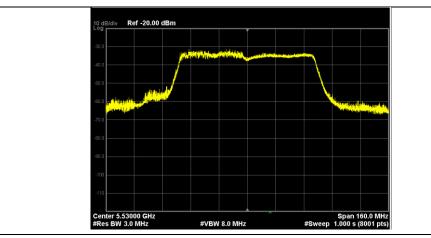




#### 6.2.3 Non-Occupancy Period

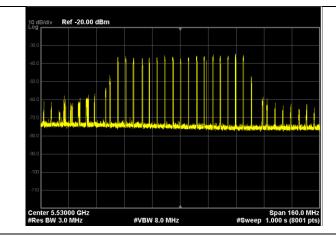
#### ASSOCIATED TEST

1) Test results demonstrating an associated client link is established with the master on a test frequency.



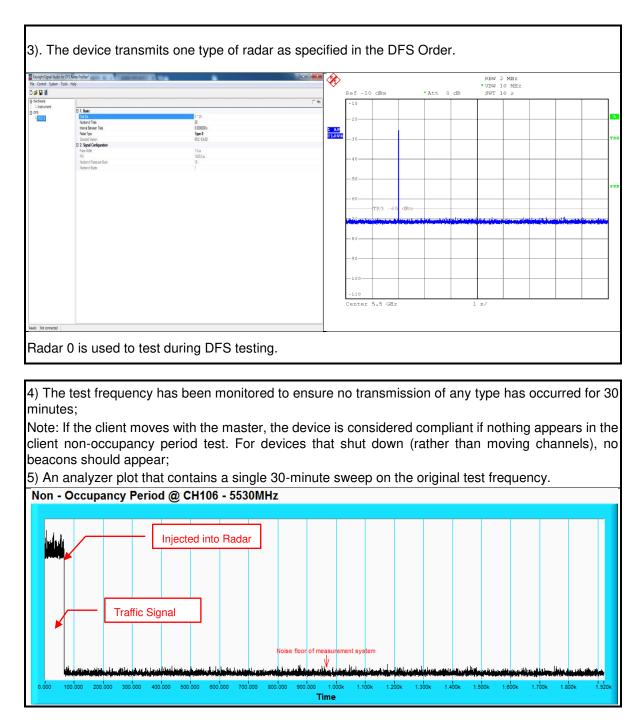
#### EUT (Client ) links with master on 5530MHz

 The client and DFS-certified master device are associated, and system testing will be performed with channel-loading for a non-occupancy period test.



Client performed with channel-loading via master.



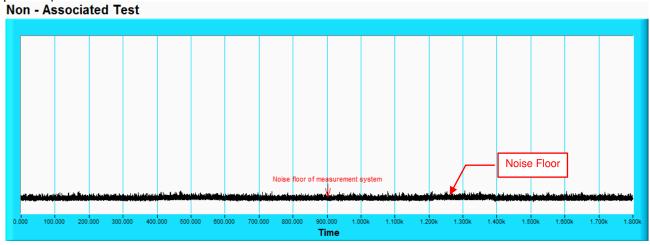




#### 6.2.4 Non-Associated Test

#### Master was off.

During the 30 minutes observation time, The UUT did not make any transmissions in the DFS band after UUT power up.



## 6.2.5 Non- Co-Channel Test

The UUT was investigated after radar was detected the channel and made sure no co-channel operation with radars.



### 7. Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab: Tel: 886-2-26052180 Fax: 886-2-26051924 Hsin Chu EMC/RF/Telecom Lab: Tel: 886-3-6668565 Fax: 886-3-6668323

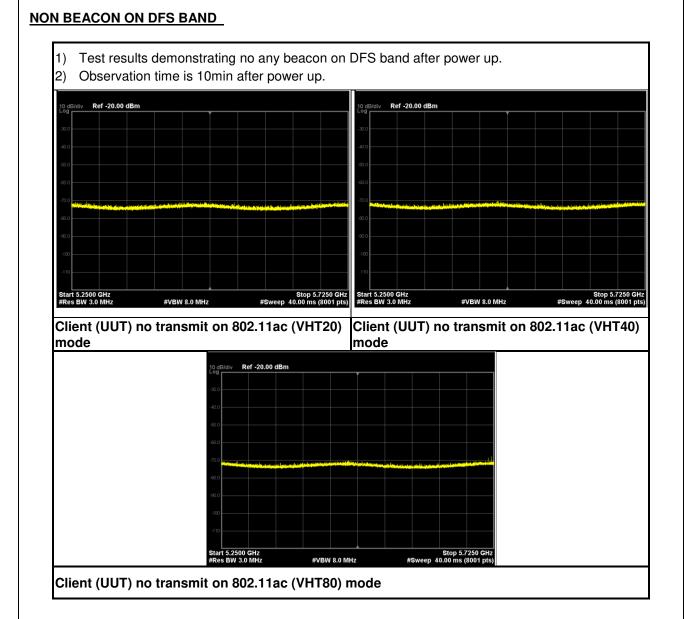
Hwa Ya EMC/RF/Safety Lab: Tel: 886-3-3183232 Fax: 886-3-3270892

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The address and road map of all our labs can be found in our web site also.



## 8. Appendix-A



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