

Report No. : FZ910405



FCC DFS Test Report

FCC ID	PPQ-WCBN3514A
Equipment	: Wi-Fi (11a/b/g/n/ac 2Tx2R)+BT (V4.2LE) SDIO Combo Module
Brand Name	LITE-ON
Model Name	WCBN3514A
Applicant	ELITE-ON Technology Corp. Bldg. C, 90, Chien 1 Road, Chung Ho, New Taipei City 23585, Taiwan, R.O.C
Manufacturer	LITE-ON TECHNOLOGY (Changzhou) CO., LTD A9 Building,No.88 Yanghu Road, Wujin Hi-Tech Industrial Development Zone ,Changzhou City,
Standard	47 CFR FCC Part 15.407

The product was received on Jan. 04, 2019, and testing was started from Mar. 29, 2019 and completed on Mar. 29, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of United States government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issued Date
FZ910405	01	Initial issue of report	May 30, 2019



Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.3	KDB 905462 7.8.3	DFS: In-Service Monitoring for Channel Move Time (CMT)	PASS	CMT ≤ 10sec
3.3	KDB 905462 7.8.3	DFS: In-Service Monitoring for Channel Closing Transmission Time (CCTT)	PASS	CCTT ≤ 60 ms starting at CMT 200ms
3.3	KDB 905462 7.8.3	DFS: In-Service Monitoring for Non-Occupancy Period (NOP)	PASS	NOP ≥ 30 min

Note: Since the product is client without radar detection function, only Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period are required to perform.

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and explanations:

None

Reviewed by: Ben Tseng

Report Producer: Debby Hung



1 General Description

1.1 Information

1.1.1 **RF General Information**

Specification Items	Description				
Product Type	WL	WLAN (2TX, 2RX)			
Radio Type	Inte	ntional Transceiver			
Power Type	Fro	m power adapter			
Modulation	IEE	E 802.11a/n/ac: OFDM (BPS	K/Q	PSK / 16QAM / 64QAM)	
	IEE	E 802.11: see the below table	Э		
Data Rate (Mbps)	IEE	E 802.11a: OFDM (6/9/12/18	/24/3	6/48/54)	
	IEEE 802.11n/ac: see the below table				
Channel Bandwidth	20/40/80 MHz operating channel bandwidth				
Operating Mode		Master			
		Bridge			
		Mesh			
		Client with radar detection			
	\boxtimes	Client without radar detectio	n		
Communication Mode	\boxtimes	IP Based (Load Based)		Frame Based	
TPC Function	With TPC			Without TPC	
Weather Band (5600~5650MHz)	<i>c)</i> ⊠ With 5600~5650MHz □ Without 5600~5650MHz			Without 5600~5650MHz	
Software / Firmware Version	2.0.0.56				
Note: EUT employ a TPC mechanis output power.	Note: EUT employ a TPC mechanism and TPC have the capability to operate at least 6 dB below highest RF output power.				



Antenna & Bandwidth

Antenna	One (TX)			
Band width Mode	20 MHz	40 MHz	80 MHz	
IEEE 802.11a	V	V	V	
IEEE 802.11n	V	V	V	
IEEE 802.11ac	V	V	V	

IEEE 11n/ac Spec.

Protocol	Number of Transmit Chains (NTX)	Data Rate / MCS			
802.11n (HT20)	2	MCS 0-15			
802.11n (HT40)	2	MCS 0-15			
802.11ac (VHT20)	2	MCS 0-8/Nss1			
802.11ac (VHT40)	2	MCS 0-9/Nss1			
802.11ac (VHT80) 2 MCS 0-9/Nss1					
Note 1: IEEE Std. 802.11n modulation consists of HT20 and HT40 (HT: High Throughput).					

Then EUT support HT20 and HT40.

Note 2: HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.

Note 3: IEEE Std. 802.11ac modulation consists of VHT20, VHT40 and VHT80 (VHT: Very High Throughput). Then EUT support VHT20, VHT40 and VHT80.

Note 4: VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.

Note 5: Modulation modes consist of below configuration:

11a: IEEE 802.11a, HT20/HT40: IEEE 802.11n, VHT20/VHT40/VHT80: IEEE 802.11ac



1.1.2 Antenna Information

Group.	Ant.	Project	Brand	P/N	Antenna Type	Connector					
	1										
1	2	-	Walsin	RFMTA401020IMLB701	PIFA	Mini i-Pex					
	3										
	4	/ 0	Shenzhen	N12-4140-R0A							
2	5	(Sparrow 10 inch)	South Star Technology	N12-4141-R0A	PIFA	N/A					
	6		Co., LTD	N14-0594-R0A							
	7		Shenzhen	N12-4142-R0A							
3	8	(Sparrow 8 inch)	(Sparrow 8 inch)	South Star Technology	N12-4143-R0A	PIFA	N/A				
	9		Co., LTD	N14-0595-R0A							
	10			EAA65404602							
4	11	-	-	-	-	-	-	INPAQ	EAA65404601	PIFA	N/A
	12			EAA65404701							
	13			N2420SDAR-T6-G120U4LI (Rev B)							
5	14	14 -		N2420DCB3-T10-G200U4LI (Rev B)	PIFA	Mini i-Pex					
	15			N2410MST-T-G85U4LI (Rev G)							



0	A 1	Dert		Gain (dBi)	
Group. Ant.		Port	2.4G	5G	ВТ
	1	1	3.52	4.18	-
1	2	2	3.52	4.18	-
	3	1	-	-	3.52
	4	1	2.97	4.04	-
2	5	2	3.41	4.05	-
	6	1	-	-	3.31
	7	1	3.35	3.97	-
3	8	2	3.35	3.86	-
	9	1	-	-	2.86
	10	1	2.99	3.46	-
4	11	2	3.06	3.23	-
	12	1	-	-	2.74
	13	1	4.00	4.80	-
5	14	2	4.00	4.30	-
	15	1	-	-	2.70

Note : EUT can match with above antennas for using. Higher gain in each type of antenna was used to perform the worst configuration and result of that was recorded as the final test result.

For 2.4GHz function:

For IEEE 802.11 b/g/n mode (2TX/2RX)

Ant 1, 2, 4, 5, 7, 8, 10, 11, 13, 14 could transmit/receive.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Ant 3, 6, 9, 12, 15 could transmit/receive.

For 5GHz function:

For IEEE 802.11 a/n/ac mode (2TX/2RX) Ant 1, 2, 4, 5, 7, 8, 10, 11, 13, 14 could transmit/receive.



1.1.3 DFS Band Carrier Frequencies

There are three bandwidth systems.

For 20MHz bandwidth systems, use Channel 52, 56, 60, 64, 100, 104, 108, 112, 116, 120, 124, 128, 132, 136,

140.

For 40MHz bandwidth systems, use Channel 54, 62, 102, 110, 118, 126, 134.

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
	52	5260 MHz	60	5300 MHz
5250~5350 MHz	54	5270 MHz	62	5310 MHz
U-NII-2A	56	5280 MHz	64	5320 MHz
	58	5290 MHz	-	-
	100	5500 MHz	120	5600 MHz
	102	5510 MHz	122	5610 MHz
	104	5520 MHz	124	5620 MHz
	106	5530 MHz	126	5630 MHz
5470~5725 MHz	108	5540 MHz	128	5640 MHz
U-NII-2C	110	5550 MHz	132	5660 MHz
	112	5560 MHz	134	5670 MHz
	116	5580 MHz	136	5680 MHz
	118	5590 MHz	140	5700 MHz

For 80MHz bandwidth systems, use Channel 58, 106, 122.



1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02
- KDB 905462 D03 Client Without DFS New Rules v01r02

1.3 Testing Location Information

	Testing Location							
\square	HWA YA	A ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)						
	TEL : 886-3-327-3456 FAX : 886-3-327-0973							
	Test site Designation No. TW1190 with FCC.							
	JHUBEI	ADD) :	No.8, Lane	e 724, Bo-ai St., Jl	nube	ei City, HsinChu County 302	2, Taiwan, R.O.C.
		TEL	:	886-3-656-	9065 FAX	:	886-3-656-9085	
	Test site Designation No. TW0006 with FCC.							
T	Test Condition Test Site No. Test Engineer Test Environment Test Date					Test Date		
	DFS Site DFS01-HY Terry		Terry	2	5.3~26.1°C / 59.2~60.1%	29/Mar/2019		



2 Test Configuration of EUT

2.1 Test Channel Frequencies Configuration

Test Channel Frequencies Configuration				
IEEE Std. Test Channel Freq. (MHz)				
802.11ac (VHT80)	5530 MHz			

2.2 The Worst Case Measurement Configuration

Th	The Worst Case Mode for Following Conformance Tests					
Tests Item Dynamic Frequency Selection (DFS)						
Test Condition	Conducted measurement at transmit chains The EUT shall be configured to operate at the highest transmitter output power setting. If more than one antenna assembly is intended for this power setting, the gain of the antenna assembly with the lowest gain shall be used.					
Modulation Mode	802.11ac (VHT80)					

2.3 Support Equipment

	Support Equipment							
No. Equipment		Brand Name	Model Name					
1	AP (Master)	EDIMAX	EW-7479WAC					
2	NoteBook	DELL	Latitude E5550					
3 Adapter for NB		DELL	FA90PSO-00					
4	Shielding Box	EMEC	EM-SHB-650550300-M					



3 Dynamic Frequency Selection (DFS) Test Result

3.1 General DFS Information

3.1.1 DFS Parameters

Table D.1: DFS requirement values						
Parameter Value						
Non-occupancy period	Minimum 30 minutes					
Channel Availability Check Time 60 seconds						
Channel Move Time	10 seconds (Note 1).					
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second periods. (Notes 1 and 2).					
U-NII Detection Bandwidth Minimum 100% of the 99% power bandwidth (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						

Channel changes (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 is used and for each frequency step the minimum percentage of detection is 90%. Measurements are performed with no data traffic.

Table D.2: Interference threshold values					
Maximum Transmit Power	Value (see note)				
EIRP ≥ 200 mW	-64 dBm				
EIRP < 200 mW and PSD < 10dBm/MHz	-62 dBm				
EIRP < 200 mW and PSD ≥ 10dBm/MHz -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.



3.1.2 Applicability of DFS Requirements Prior to Use of a Channel

	DFS Operational mode				
Requirement	Master	Client without radar detection	Client with radar detection		
Non-Occupancy Period	Yes	Not required (See the note)	Yes		
DFS Detection Threshold	Yes	Not required	Yes		
Channel Availability Check Time	Yes	Not required	Not required		
U-NII Detection Bandwidth	Yes	Not required	Yes		

Note :

According to KDB 905462 D03 Client Without DFS New Rules v01r02 (b) 6."An analyzer plot that contains a single 30-minute sweep on the original channel "

3.1.3 Applicability of DFS Requirements during Normal Operation

	DFS Operational mode				
Requirement	Master	Client without radar detection	Client with radar detection		
DFS Detection Threshold	Yes	Not required	Yes		
Channel Closing Transmission Time	Yes	Yes	Yes		
Channel Move Time	Yes	Yes	Yes		
U-NII Detection Bandwidth	Yes	Not required	Yes		

Additional requirements for devices with multiple bandwidth modes	Master Device 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.



3.1.4 Channel Loading/Data Streaming

	The data file (MPEG-4) has been transmitting in a streaming mode.
\square	Software to ping the client is permitted to simulate data transfer with random ping intervals.
\square	Minimum channel loading of approximately 17%.
	Unicast protocol has been used.



3.2 Radar Test Waveform Calibration

3.2.1 Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Trials		
0	1	1428	18	See Note 1	See Note 1		
1A	1	15 unique PRI in KDB 905462 D02 Table 5a	$\left[(1), (19 \times 10^6) \right]$	60%	15		
1B	1	15 unique PRI within 518-3066, Excluding 1A PRI	$Roundup\left\{\left(\frac{1}{360}\right)\times\left(\frac{19\times10^{6}}{PRI}\right)\right\}$	60%	15		
2	1-5	150-230	23-29	60%	30		
3	6-10	200-500	16-18	60%	30		
4	11-20	200-500	60%	30			
Aggrega	Aggregate (Radar Types 1-4) 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.

A minimum of 30 unique waveforms are required for each of the short pulse radar types 1 through 4. If more than 30 waveforms are used for short pulse radar types 1 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. The aggregate is the average of the percentage of successful detections of short pulse radar types 1-4.

3.2.2 Long Pulse Radar Test Waveform

Radar Type	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec) Number of Pulses per <i>Burst</i>		Number of <i>Bursts</i>	Minimum Percentage of Successful Detection	Minimum Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

Each waveform is defined as follows:

• The transmission period for the Long Pulse Radar test signal is 12 seconds.

• There are a total of 8 to 20 Bursts in the 12 second period, with the number of Bursts being randomly chosen. This number is Burst Count.

• Each Burst consists of 1 to 3 pulses, with the number of pulses being randomly chosen. Each Burst within the 12 second sequence may have a different number of pulses.

- The pulse width is between 50 and 100 microseconds, with the pulse width being randomly chosen. Each pulse within a Burst will have the same pulse width. Pulses in different Bursts may have different pulse widths.
- Each pulse has a linear FM chirp between 5 and 20 MHz, with the chirp width being randomly chosen. Each pulse within a transmission period will have the same chirp width. The chirp is centered on the pulse. For example, with a radar frequency of 5300 MHz and a 20 MHz chirped signal, the chirp starts at 5290 MHz and

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ends at 5310 MHz.

- If more than one pulse is present in a Burst, the time between the pulses will be between 1000 and 2000 microseconds, with the time being randomly chosen. If three pulses are present in a Burst, the time between the first and second pulses is chosen independently of the time between the second and third pulses.
- The 12 second transmission period is divided into even intervals. The number of intervals is equal to Burst Count. Each interval is of length (12,000,000 / Burst Count) microseconds. Each interval contains one Burst. The start time for the Burst, relative to the beginning of the interval, is between 1 and [(12,000,000 / Burst Count) (Total Burst Length) + (One Random PRI Interval)] microseconds, with the start time being randomly chosen. The step interval for the start time is 1 microsecond. The start time for each Burst is chosen independently.

3.2.3 Frequency Hopping Radar Test Waveform

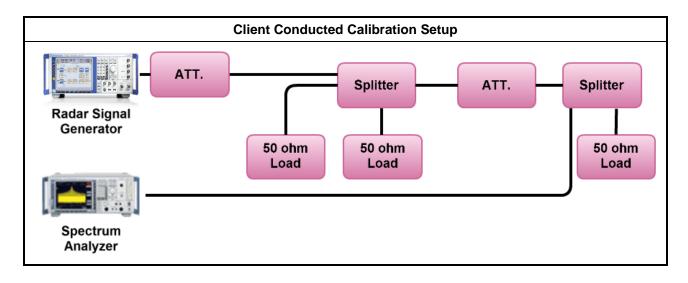
Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Minimum Percentage of Successful Detection	Minimum Trials
6	1	333	9	0.333	300	70%	30

The FCC Type 6 waveform uses a static waveform with 100 bursts in the instruments ARB. In addition, the RF list mode is operated with a list containing 100 frequencies from a randomly generated list and it had be ensured that at least one of the random frequencies falls into the UNII Detection Bandwidth of the DUT. Each burst from the waveform file initiates a trigger pulse at the beginning that switches the RF list from one item to the next one.

3.2.4 DFS Threshold Level

DFS Threshold Level						
DFS Threshold level:	-63	dBm	☑ at the antenna connector			
			in front of the antenna			
The Interference Radar Detection Threshold Level is $-64 dBm + 0 [dBi] + 1 dB = -63 dBm$. That had been taken into account the output power range and antenna gain.						

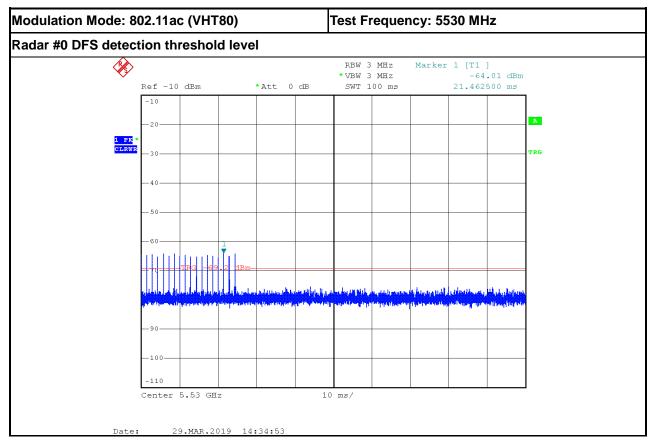
3.2.5 Calibration Setup



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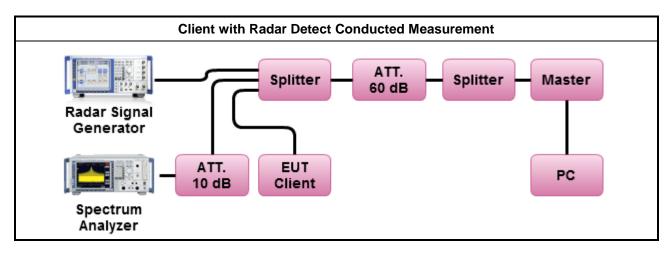


3.2.6 Radar Waveform calibration Plot



3.2.7 Test Setup

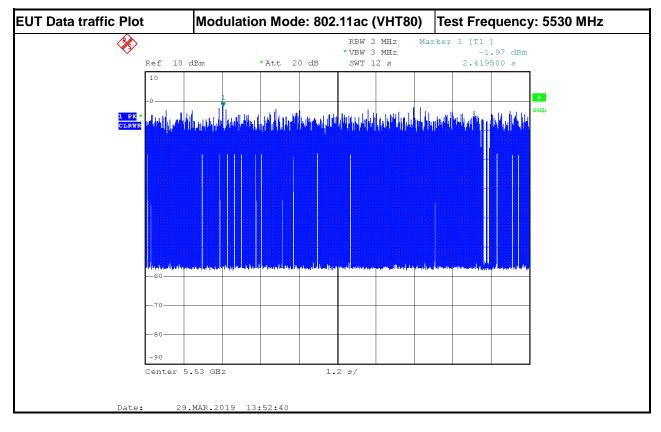
A spectrum analyzer is used as a monitor to verify that the EUT has vacated the Channel within the (Channel Closing Transmission Time and Channel Move Time, and does not transmit on a Channel during the Non-Occupancy Period after the detection and Channel move.



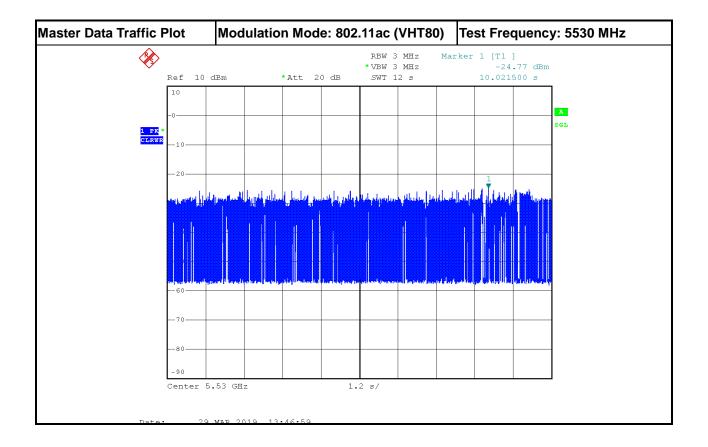
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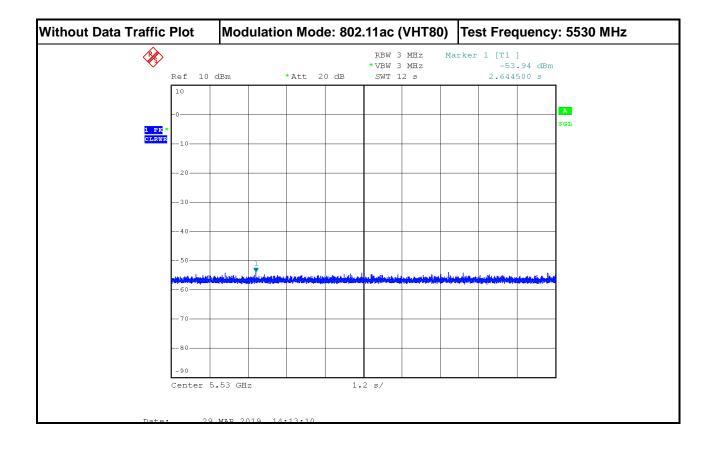
3.2.8 Data traffic Plot













3.3 In-service Monitoring

3.3.1 In-service Monitoring Limit

In-service Monitoring Limit				
Channel Move Time	10 sec			
Channel Closing Transmission Time	200 ms + an aggregate of 60 ms over remaining 10 sec periods.			
Non-occupancy period	Minimum 30 minutes			

3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method					
Verified during In-Service Monitoring; Channel Closing Transmission Time, Channel Move Time. Client Device will associate with the EUT. Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the EUT during the observation time (Channel Move Time). Compare the Channel Move Time and Channel Closing Transmission Time limits.					
Verified during In-Service Monitoring; Channel Closing Transmission Time, Channel Move Time. One 12 sec plot needs to be reported for the Short Pulse Radar Types 0. And zoom-in a 60 ms plot verified channel closing time for the aggregate transmission time starting from 200ms after the end of the radar signal to the completion of the channel move.					
Verified during In-Service Monitoring; Non-Occupancy Period. Client Device will associate with the EUT. Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the EUT during the observation time (Non-Occupancy Period). Compare the Non-Occupancy Period limits.					

3.3.4 Test Result of In-service Monitoring

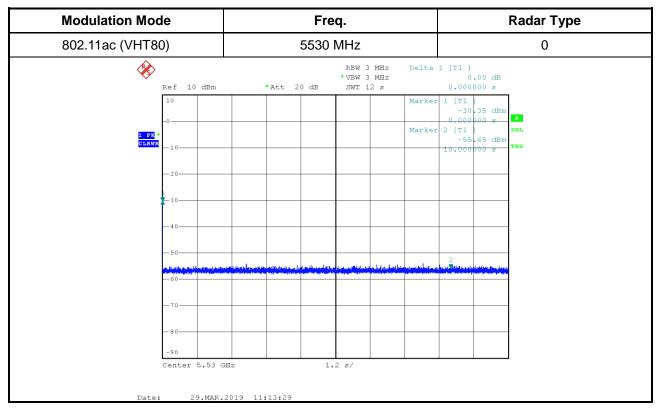
Modulation Mode: 802.11ac (VHT80)

Devemeder	Test Result	Limit	
Parameter	Туре 0		
Test Channel (MHz)	5530 MHz	-	
Channel Move Time (sec.)	0.0129	< 10s	
Channel Closing Transmission Time (ms) (Note)	0.000	< 60ms	
Non-Occupancy Period (min.)	≧30	\geq 30 min	

Note: 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 seconds period. The aggregate duration of control signals will not count quiet periods in between transmissions.



3.3.5 Test Plot of In-Service Monitoring for Channel Move Time





3.3.6 Test Plot of In-Service Monitoring for Channel Closing Transmission Time

Modulatio	n Mode		Freq.		Ra	adar Type	
802.11ac (VHT80)	55	30 MHz			0	
Channel Closing T Time plus 60ms ad	ransmission Tin	ne is comprised tent control signa	of 200ms startir Ils	ng at the b	eginning	of the Char	nnel Move
Zoom 0 -10 -20 -30 -40 -50 -60 -70 -80 -90 -100 -20 -30 -40 -50 -0 -0 -0 -0 -0 -0 -0 -0 -0 -	400m 500m	600m 700r	n 800m S	900m 1	11		C-Zoom



3.3.7 Test Plot of In-Service Monitoring for Non-Occupancy Period

802.11ac (V Non-Occupancy Period During the 30 minutes observed signal was detected on that ch Ref 10 Ref 10 1 1 1 1 1 1 1 1 1 1 1 1 1	vation time, UUT did hannel by either the C	REW 3 MEz * VEW 3 MEz		
During the 30 minutes observed as detected on that cl	hannel by either the C	REW 3 MHz * VBW 3 MHz	Delta 1 [T1] -37.36 dB 10.000000 s Marker Marker 1 [T1] -18.02 dBm	
signal was detected on that cl	hannel by either the C	REW 3 MHz * VBW 3 MHz	Delta 1 [T1] -37.36 dB 10.000000 s Marker Marker 1 [T1] -18.02 dBm	
10 -0	dBm *Att 20 dE	*VBW 3 MHz	-37.36 dB 10.000000 s Marker 1 [T1 -18 02 dBm	
10 -0			Marker 1 [T1] -18.02 dBm	
-0			-18.02 dBm	
1 FK * CIRWR 10				λ
CLRWR 10			Marker 2 [T1]	SGL
1			-54.90 dBm 1.831000 ks	
V				
20				
3 0				
- 40				
-+50	An air an air ann a fha is An air an barli An an Marainn a'	hading a sugar a sub-		
60				
70				
80				
-90	50 gm			
Center 5	.53 GHZ	200 s/		
Date: 29	.MAR.2019 12:33:29			



Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP7	100645	9kHz ~ 7GHz	27/Sep/2018	26/Sep/2019
Vector Signal Generator	R&S	SMU200A	102098	100kHz ~ 6GHz	26/Feb/2019	25/Feb/2020
RF cable 1m	HUBER+SUHNER	SUCOFLEX 104	MY37334/4	25 MHz ~ 26.5 GHz	01/Nov/2018	31/Oct/2019
RF cable 1m	HUBER+SUHNER	SUCOFLEX 104	MY37335/4	25 MHz ~ 26.5 GHz	01/Nov/2018	31/Oct/2019
RF cable 1m	HUBER+SUHNER	SUCOFLEX 104	MY37336/4	25 MHz ~ 26.5 GHz	01/Nov/2018	31/Oct/2019
RF cable 1.5m	HUBER+SUHNER	SUCOFLEX 104	MY33066/4	25 MHz ~ 26.5 GHz	01/Nov/2018	31/Oct/2019

4 Test Equipment and Calibration Data



5 Measurement Uncertainty

Test Items	Uncertainty	Remark
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%