

DFS PORTION of FCC 47 CFR PART 15 SUBPART E DFS PORTION of INDUSTRY CANADA RSS-247 ISSUE 2

CERTIFICATION TEST REPORT

FOR

WIRELESS SPEAKER SYMFONISK

MODEL NUMBER: E1801

FCC ID: FHO-E1801 IC ID: 10912A-E1801

REPORT NUMBER: 12494553-E3V1

ISSUE DATE: OCTOBER 19, 2018

Prepared for IKEA OF SWEDEN AB BOX 702 SE-34381 ÄLMHULT, SWEDEN

Prepared by UL VERIFICATION SERVICES INC. 47173 BENICIA STREET FREMONT, CA 94538, U.S.A. TEL: (510) 771-1000 FAX: (510) 661-0888



Revision History

Rev.	Issue Date	Revisions	Revised By
V1	10/19/18	Initial Issue	

UL VERIFICATION SERVICES INC. 47173 BENICIA STREET, FREMONT, CA 94538, USA This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

Page 2 of 25

TABLE OF CONTENTS

1.	ATTESTATION OF TEST RESULTS	4
2.	TEST METHODOLOGY	5
3.	REFERENCE DOCUMENTS	5
4.	FACILITIES AND ACCREDITATION	5
5.	CALIBRATION AND UNCERTAINTY	5
5	5.1. MEASURING INSTRUMENT CALIBRATION	5
5	5.2. MEASUREMENT UNCERTAINTY	5
6.	DYNAMIC FREQUENCY SELECTION	6
6	6.1. OVERVIEW	
	6.1.1. LIMITS	
	6.1.2. TEST AND MEASUREMENT SYSTEM	
	6.1.3. TEST AND MEASUREMENT SOFTWARE 12 6.1.4. TEST ROOM ENVIRONMENT 12	
	6.1.5. SETUP OF EUT	
	6.1.6. DESCRIPTION OF EUT	
6	6.2. RESULTS FOR 20 MHz BANDWIDTH1	6
Ŭ	6.2.1. TEST CHANNEL	
	6.2.2. RADAR WAVEFORM AND TRAFFIC	6
	6.2.3. OVERLAPPING CHANNEL TESTS1	
	6.2.4. MOVE AND CLOSING TIME	
	6.2.5. 30-MINUTE NON-OCCUPANCY PERIOD	3
7.	SETUP PHOTOS	4

Page 3 of 25

1. ATTESTATION OF TEST RESULTS

	ST AND ADD	тс
	APPLICABLE STANDARDS	
DATE TESTED:	SEPTEMBER 10, 2018	
SERIAL NUMBER:	34-7E-5C-30-00-EE-4	
MODEL:	E1801	
EUT DESCRIPTION:	WIRELESS SPEAKER SYMFONISK	
COMPANY NAME:	IKEA OF SWEDEN AB Box 702 SE-34381 Älmhult, SWEDEN	

APPLICABLE STANDARDS		
STANDARD	TEST RESULTS	
DFS Portion of CFR 47 Part 15 Subpart E	Complies	
DFS Portion of INDUSTRY CANADA RSS-247 Issue 2	Complies	

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. All samples tested were in good operating condition throughout the entire test program. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Approved & Released For UL Verification Services Inc. By:

Genry men

HENRY LAU TEST ENGINEER CONSUMER TECHNOLOGY DIVISION UL Verification Services Inc.

Tested By:

Douclas Combuser

DOUG ANDERSON EMC ENGINEER CONSUMER TECHNOLOGY DIVISION UL Verification Services Inc.

Page 4 of 25

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with the DFS portion of FCC CFR 47 Part 2, FCC CFR 47 Part 15, FCC 06-96, FCC KDB 789033, KDB 905462 D02 and D03 and RSS-247 Issue 2.

3. REFERENCE DOCUMENTS

Measurements of transmitter parameters as referenced in this report are documented in UL Verification Services report number 12494553-E2V1.

4. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 and 47266 Benicia Street, and 47658 Kato Road, Fremont, California, USA. Specific facilities are also identified in the test results sections.

The test sites and facilities are covered under FCC Test Firm Registration # 208313. Chambers are covered under Industry Canada company address and respective code.

UL Verification Services Inc. is accredited by NVLAP, Laboratory Code 200065-0.

5. CALIBRATION AND UNCERTAINTY

5.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

5.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty level has been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY	
Time	± 0.02 %	

The Uncertainty figure is valid to a confidence level of 95%.

6. DYNAMIC FREQUENCY SELECTION

6.1. OVERVIEW

6.1.1. LIMITS

INDUSTRY CANADA

IC RSS-247 is closely harmonized with FCC Part 15 DFS rules. The deviations are as follows:

RSS-247 Issue 2

Note: For the band 5600–5650 MHz, no operation is permitted.

Until further notice, devices subject to this annex shall not be capable of transmitting in the band 5600–5650 MHz. This restriction is for the protection of Environment Canada weather radars operating in this band.

<u>FCC</u>

§15.407 (h), FCC KDB 905462 D02 "COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION INFRASTRUCTURE DEVICES OPERATING IN THE 5250-5350 MHz AND 5470-5725 MHz BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION" and KDB 905462 D03 "U-NII CLIENT DEVICES WITHOUT RADAR DETECTION CAPABILITY".

Page 6 of 25

Table 1: Applicability of DFS requirements prior to use of a channel

Requirement	Operatio	nal Mode			
	Master	Client (without radar detection)	Client (with radar detection)		
Non-Occupancy Period	Yes	Not required	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		

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode			
	Master	Client (without DFS)	Client (with DFS)	
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	Master Device or Client with	Client			
devices with multiple bandwidth	Radar DFS	(without DFS)			
modes					
U-NII Detection Bandwidth and	All BW modes must be	Not required			
Statistical Performance Check	tested				
Channel Move Time and Channel	Test using widest BW mode	Test using the			
Closing Transmission Time	available	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 all 20					
MHz channel blocks and a null freque	ency between the bonded 20 MHz	channel blocks.			

Page 7 of 25

Table 3: Interference Threshold values, Master or Client incorporating In-ServiceMonitoring

Maximum Transmit Power	Value			
	(see notes)			
E.I.R.P. ≥ 200 mill watt	-64 dBm			
E.I.R.P. < 200 mill watt and	-62 dBm			
power spectral density < 10 dBm/MHz				
E.I.R.P. < 200 mill watt that do not meet power spectral	-64 dBm			
density requirement				
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.				
Note 3: E.I.R.P. is based on the highest antenna gain. For MIMO devices refer to KDB				

publication 662911 D01.

Table 4. Di o Response requirement values	
Parameter	Value
Non-occupancy period	30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds (See Note 1)
Channel Closing Transmission Time	200 milliseconds + approx. 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.

Table 5 – Short Pulse Radar Test Waveforms

Radar	Pulse	PRI	Pulses	Minimum	Minimum		
Туре	Width	(usec)		Percentage	Trials		
	(usec)			of Successful			
				Detection			
0	1	1428	18	See Note 1	See Note		
					1		
1	1	Test A: 15 unique		60%	30		
		PRI values randomly					
		selected from the list	Roundup:				
		of 23 PRI values in	{(1/360) x (19 x 10 ⁶ PRI _{usec})}				
		table 5a					
		Test B: 15 unique					
		PRI values randomly					
		selected within the					
		range of 518-3066					
		usec. With a					
		minimum increment					
		of 1 usec, excluding					
		PRI values selected					
		in Test A					
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		
	Aggregate (Radar Types 1-4) 80% 120						
Note 1:	Note 1: Short Pulse Radar Type 0 should be used for the Detection Bandwidth test, Channel						
Move T	Move Time, and Channel Closing Time tests.						

Table 6 – Long Pulse Radar Test Signal

		Table 0	g.				
Radar	Pulse	Chirp	PRI	Pulses	Number	Minimum	Minimum
Waveform	Width	Width	(µsec)	per	of	Percentage	Trials
Туре	(µsec)	(MHz)		Burst	Bursts	of Successful	
		. ,				Detection	
5	50-100	5-20	1000-	1-3	8-20	80%	30
			2000				

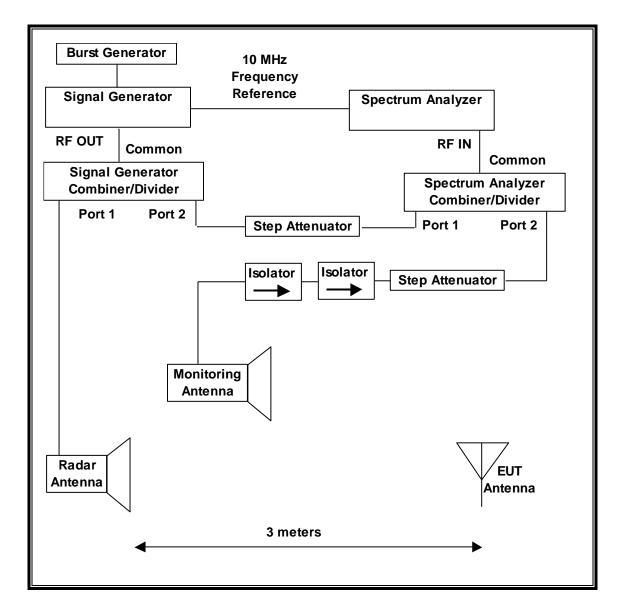
Table 7 – Frequency Hopping Radar Test Signal

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

Page 9 of 25

6.1.2. TEST AND MEASUREMENT SYSTEM

RADIATED METHOD SYSTEM BLOCK DIAGRAM



Page 10 of 25

SYSTEM OVERVIEW

The short pulse and long pulse signal generating system utilizes the NTIA software. The Vector Signal Generator has been validated by the NTIA. The hopping signal generating system utilizes the CCS simulated hopping method and system, which has been validated by the DoD, FCC and NTIA. The software selects waveform parameters from within the bounds of the signal type on a random basis using uniform distribution.

The short pulse types 1, 2, 3 and 4, and the long pulse type 5 parameters are randomized at run-time.

The hopping type 6 pulse parameters are fixed while the hopping sequence is based on the August 2005 NTIA Hopping Frequency List. The initial starting point randomized at run-time and each subsequent starting point is incremented by 475. Each frequency in the 100-length segment is compared to the boundaries of the EUT Detection Bandwidth and the software creates a hopping burst pattern in accordance with Section 7.4.1.3 Method #2 Simulated Frequency Hopping Radar Waveform Generating Subsystem of KDB 905462 D02. The frequency of the signal generator is incremented in 1 MHz steps from F_L to F_H for each successive trial. This incremental sequence is repeated as required to generate a minimum of 30 total trials and to maintain a uniform frequency distribution over the entire Detection Bandwidth.

The signal monitoring equipment consists of a spectrum analyzer. The aggregate ON time is calculated by multiplying the number of bins above a threshold during a particular observation period by the dwell time per bin, with the analyzer set to peak detection and max hold.

SYSTEM CALIBRATION

A 50-ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to a horn antenna via a coaxial cable, with the reference level offset set to (horn antenna gain – coaxial cable loss). The signal generator is set to CW mode. The amplitude of the signal generator is adjusted to yield a level of –64 dBm as measured on the spectrum analyzer.

Without changing any of the instrument settings, the spectrum analyzer is reconnected to the Common port of the Spectrum Analyzer Combiner/Divider. The Reference Level Offset of the spectrum analyzer is adjusted so that the displayed amplitude of the signal is –64 dBm.

The spectrum analyzer displays the level of the signal generator as received at the antenna ports of the Master Device. The interference detection threshold may be varied from the calibrated value of –64 dBm and the spectrum analyzer will still indicate the level as received by the Master Device.

Page 11 of 25

ADJUSTMENT OF DISPLAYED TRAFFIC LEVEL

A link is established between the Master and Slave and the distance between the units is adjusted as needed to provide a suitable received level at the Master and Slave devices. The FCC audio test file and a client provided proprietary traffic generation program are streamed from the Master device to the Slave device to generate WLAN traffic. The traffic approaches the minimum channel loading requirement, but is at the highest channel loading the EUT is capable of producing. The monitoring antenna is adjusted so that the WLAN traffic level, as displayed on the spectrum analyzer, is at lower amplitude than the radar detection threshold.

TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the DFS tests documented in this report:

TEST EQUIPMENT LIST									
Description	Manufacturer	Model	ID No.	Cal Due					
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight	N9030A	T459	07/25/19					
Signal Generator, MXG X-Series RF Vector	Agilent	N5182B	T1134	04/23/19					

6.1.3. TEST AND MEASUREMENT SOFTWARE

The following test and measurement software was utilized for the tests documented in this report:

TEST SOFTWARE LIST							
Name Version Test / Function							
Aggregate Time-PXA	3.1	Channel Loading and Aggregate Closing Time					
PXA Read	3.1	Signal Generator Screen Capture Utility					
SGXProject.exe	1.7	Radar Waveform Generation and Download					

6.1.4. TEST ROOM ENVIRONMENT

The test room temperature and humidity shall be maintained within normal temperature of 15~35 °C and normal humidity 20~75% (relative humidity).

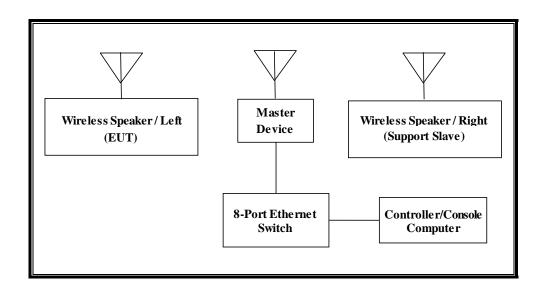
ENVIRONMENT CONDITION

Parameter	Value
Temperature	24.9 °C
Humidity	40 %

Page 12 of 25

6.1.5. SETUP OF EUT

RADIATED METHOD EUT TEST SETUP



SUPPORT EQUIPMENT

The following support equipment was utilized for the DFS tests documented in this report:

Р	ERIPHERAL SU	PPORT EQUIPMEN	NT LIST	
Description	Manufacturer	Model	Serial Number	FCC ID
Wireless Sound Bar (Master	Sonos	Playbar	1709 94-9F-3E-6E-DF-	SBVRM006
Device)			C0-9	
Notebook PC	Lenovo	Type 3249-EPU	R9-A8CWY 10/12	DoC
(Controller/Console)				
AC Adapter (Controller/Console	Lenovo	45N0121	11S45N0121Z1ZHXU1C	DoC
PC)			NJEX	
Wireless Speaker / Right	Ikea	E1801	34-7E-5C-30-00-EC-2	FHO-E1776
(Support Slave Device)				
8-Port 10/100 Ethernet Switch	Netgear	FS108	1D4212330119D	D0C
AC Adapter (Switch)	Netgear	MU08A9075100-A1	240112165102390BVL	D0C

Page 13 of 25

6.1.6. DESCRIPTION OF EUT

For FCC and IC the EUT operates over the 5250-5350 MHz and 5470-5725 MHz ranges, excluding the 5600-5650 MHz range.

The EUT is a Slave Device without Radar Detection.

The highest power level within these bands is 25.23 dBm EIRP in the 5250-5350 MHz band and 25.41 dBm EIRP in the 5470-5725 MHz band.

The highest gain antenna assembly utilized with the EUT has a gain of 4.2 dBi in the 5250-5350 MHz band and 4.2 dBi in the 5470-5725 MHz band. The lowest gain antenna assembly utilized with the EUT has a gain of 3.2 dBi in the 5250-5350 MHz band and 3.2 dBi in the 5470-5725 MHz band.

Two antennas are utilized to meet the diversity and MIMO operational requirements.

The rated output power of the Master unit is > 23dBm (EIRP). Therefore the required interference threshold level is -64 dBm. After correction for procedural adjustments, the required radiated threshold at the antenna port is -64 + 1 = -63 dBm.

The calibrated radiated DFS Detection Threshold level is set to –64 dBm. The tested level is lower than the required level hence it provides a margin to the limit.

The EUT uses two transmitter/receiver chains, each connected to an antenna to perform radiated tests.

WLAN traffic is generated from the Master to the Slave by using a proprietary client provided traffic generation program, "Cont Tx" and streaming the FCC audio video file from the Master to the Slave using Sonos Controller version 9.1 software package residient on the controller/console notebook computer.

TPC is not required since the maximum EIRP is less than 500 mW (27 dBm).

The EUT utilizes the 802.11a/n architecture. One nominal channel bandwidth, 20 MHz, is implemented.

The software installed in the EUT and the Master device point is Sonos Controller for PC version 9.3 (alpha); build 47056111mainline_integ_int_release.

Page 14 of 25

UNIFORM CHANNEL SPREADING

This is requirement not applicable to Slave Devices.

OVERVIEW OF MASTER DEVICE WITH RESPECT TO §15.407 (h) REQUIREMENTS

The Master Device is a Sonos Playbar wireless smart speaker, FCC ID: SBVRM006. The minimum antenna gain for the Master Device is 4 dBi.

The rated output power of the Master unit is > 23dBm (EIRP). Therefore the required interference threshold level is -64 dBm. After correction for procedural adjustments, the required radiated threshold at the antenna port is -64 + 1 = -63 dBm.

The calibrated radiated DFS Detection Threshold level is set to –64 dBm. The tested level is lower than the required level hence it provides a margin to the limit.

Page 15 of 25

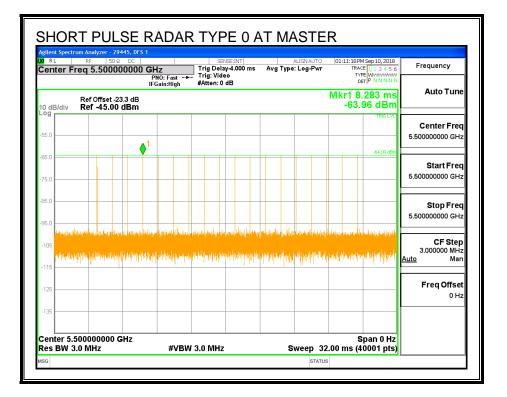
6.2. RESULTS FOR 20 MHz BANDWIDTH

6.2.1. TEST CHANNEL

All tests were performed at a channel center frequency of 5500 MHz.

6.2.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM



UL VERIFICATION SERVICES INC. 47173 BENICIA STREET, FREMONT, CA 94538, USA This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc. FORM NO: CCSUP4701J TEL: (510) 771-1000 FAX: (510) 661-0888

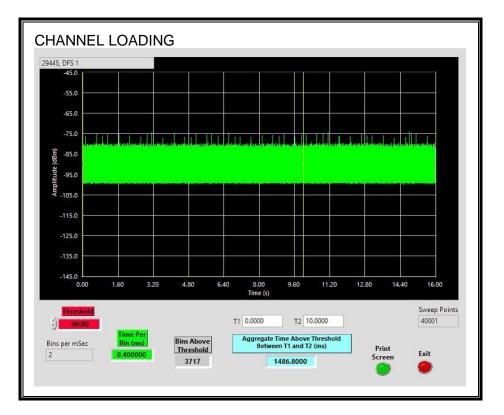
Page 16 of 25

TRAFFIC

enter Freq 5.5	50 Ω DC 00000000 GHz PNO: Fast ↔	SENSE:INT	ALIGN AUTO Avg Type: Log-Pwr	11:50:02 AM Sep 10, 2018 TRACE 1 2 3 4 5 6 TYPE WWWWWWW DET P N N N N N	Frequency
dB/div Ref -4	IFGain:High et -23.3 dB 5.00 dBm	#Atten: 0 dB		Mkr1 14.83 s -74.18 dBm	Auto Tune
5.0				-64.00 dBm	Center Fred 5.500000000 GH;
5.0				-64.00 dbm	Start Fred 5.500000000 GHz
5.0		and with a factor of the discovery of the sec	n dimensional environmental environder (2000 vol. 2000)	n an an air air an	Stop Fred 5.500000000 GH;
105					CF Step 3.000000 MH; <u>Auto</u> Mar
115					
115					Freq Offsel 0 Hz

Page 17 of 25

CHANNEL LOADING



The level of traffic loading on the channel by the EUT is 14.86% The channel loading is the highest level that the EUT is capable of producing.

Page 18 of 25

6.2.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

6.2.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = (Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

Channel Move Time	Limit
(sec)	(sec)
0.000	10

Aggregate Channel Closing Transmission Time	Limit
(msec)	(msec)
0.0	60

Page 19 of 25

MOVE TIME

KI RL	rum Analyzer - 29 RF 50 ឆ req 5.5000	2 DC 00000 GHz PNO: Fa	st 🛶 Trig: Fre		Avg Type:	LIGN AUTO	TRA	M Sep 10, 2018 CE 1 2 3 4 5 6 PE WWWWWWW ET P N N N N N	Frequency
I0 dB/div	Ref Offset -2 Ref -45.00		gh #Atten:(ΔMkr1	0.000 s 0.00 dB	Auto Tune
-og -65.0 -65.0	1Δ2							-64.00 dBm	Center Freq 5.500000000 GHz
85.0 95.0 -105			Sector d House House and						Start Freq 5.500000000 GHz
-115 -125 -135									Stop Freq 5.50000000 GHz
Res BW 3		#	VBW 3.0 MH;				16.00 s (4	6pan 0 Hz 0001 pts)	CF Step 3.000000 MHz <u>Auto</u> Man
MKR MODE T 1 Δ2 2 2 F 3 4 5 6 7 8 9 10 11	RC SCL t (Δ) t	× 0.000 t 1.627 t) dB	ICTION FUNI	CTION WIDTH	FUNCTI		Freq Offset 0 Hz

UL VERIFICATION SERVICES INC. 47173 BENICIA STREET, FREMONT, CA 94538, USA This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

Page 20 of 25

CHANNEL CLOSING TIME

enter Freq 5.5		: Fast 🛶 Trig: Vid	eo	ALIGN AUTO 1 Type: Log-Pwr	1:59:01 AM Sep 10, 2018 TRACE 1 2 3 4 5 6 TYPE WWWWWWWW DET P N N N N N	Frequency
dB/div Ref -4	IFGair set -23.3 dB 5.00 dBm	n:High #Atten: 0	dB	ΔΜ	kr1 200.0 ms -36.75 dB	Auto Tune
5.0					TRIG LVL	Center Fred 5.50000000 GHz
5.0 					-64.00 dBm	
5.0						Start Fred 5.500000000 GH;
5.0						Stop Fred 5.50000000 GH
5.0	and a standard and a		e provinski konstalila	ang bayang kanalari kana ba	terre the state of	
	and for a second se	Shirtel of Republication for an Standard Republication of the		endetandi dentangkantjeli ogtala glava		CF Step 3.000000 MH uto Mar
25						Freq Offse 0 Hi
135						

UL VERIFICATION SERVICES INC. 47173 BENICIA STREET, FREMONT, CA 94538, USA This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

Page 21 of 25

AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.



Page 22 of 25

6.2.5. 30-MINUTE NON-OCCUPANCY PERIOD

RESULTS

No EUT transmissions were observed on the test channel during the 30-minute observation time.

gilent Spectrum Analyzer - 29- RL RF 50 ହ enter Freq 5.50000	DC	SENSE:INT	ALIGNAUTO Avg Type: Log-Pwr	01:00:40 PM Sep 10, 2018 TRACE 1 2 3 4 5 6 TYPE WWWWWWW	Frequency
Ref Offset -23 0 dB/div Ref -45.00	IFGain:High 3.3 dB	#Atten: 0 dB		<u>ه</u> هت <mark>۹ № ۵۳ № ۵۳</mark> Mkr1 1.800 ks -32.32 dB	Auto Tune
og 55.0					Center Fred 5.500000000 GH;
5.0 - 2				-64.00 dBm	Start Free 5.500000000 GH:
5.0	a seconda à statement de		Brut brache and a brache.	1Δ2	Stop Free 5.500000000 GH:
15					CF Step 3.000000 MH <u>Auto</u> Mar
25					Freq Offse 0 H:
enter 5.500000000 G		W 3.0 MHz	Sween 2	Span 0 Hz 000 ks (40001 pts)	

Page 23 of 25