

TEST REPORT

Product Name	:	TRIM II PRO
Model Number	:	TRIM2 S,TRIM2 B
FCC ID	•	2ADXI-SBHD50

Prepared for Address		SKYBELL TECHNOLOGIES INC 1 JENNER STE 100, IRVINE CA 92618, USA
Prepared by Address	::	EMTEK (SHENZHEN) CO., LTD. Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China
		Tel: (0755) 26954280 Fax: (0755) 26954282

Report Number	:	ES201209053W02
Date(s) of Tests	:	December 13,2020 to December 25, 2020
Date of issue	:	December 28, 2020



1 TEST RESULT CERTIFICATION

Applicant	:	SKYBELL TECHNOLOGIES INC
Address	:	1 JENNER STE 100, IRVINE CA 92618, USA
Manufacturer	:	SKYBELL TECHNOLOGIES INC
Address	:	1 JENNER STE 100, IRVINE CA 92618, USA
EUT	:	TRIM II PRO
Model Name	:	TRIM2 S,TRIM2 B
Trademark	:	SKYBELL

Measurement Procedure Used:

APPLICABLE STANDARDS			
STANDARD TEST RESULT			
FCC 47 CFR Part 2, Subpart J FCC 47 CFR Part 15, Subpart E	PASS		

The above equipment was tested by EMTEK (SHENZHEN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 2 and Part 15.407

The test results of this report relate only to the tested sample identified in this report.

Date of Test :

December 13,2020 to December 25, 2020

Prepared by:

Reviewer:

Seventrus

Sewen Guo /Editor

se Tia

Joe Xia /Supervisor 👌

EN * ESTING

Approve & Authorized Signer :

Lisa Wang/Manager



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2 EUT TECHNICAL DESCRIPTION

Characteristics	Description				
Product:	TRIM II PRO	TRIM II PRO			
Model Number:		(All models covered in this report are the same with each other, except for different model and appearance (for color, silk-screen only) for trading purpose. We choose			
Sample Number:	2#				
Wifi Type:	Wifi 5G with 5150MHz-5250MHz Band Wifi 5G with 5250MHz-5350MHz Band Wifi 5G with 5470MHz-5725MHz Band Wifi 5G with 5725MHz-5850MHz Band	⊠Wifi 5G with 5250MHz-5350MHz Band ⊠Wifi 5G with 5470MHz-5725MHz Band			
WLAN Supported:	 ⊠802.11a ⊠802.11n(20MHz channel bandwidth) ⊠802.11n(40MHz channel bandwidth) ⊠802.11ac(20MHz channel bandwidth) ⊠802.11ac(40MHz channel bandwidth) ⊠802.11ac(80MHz channel bandwidth) 	 № 802.11n(20MHz channel bandwidth) № 802.11n(40MHz channel bandwidth) № 802.11ac(20MHz channel bandwidth) № 802.11ac(40MHz channel bandwidth) 			
Data Rate :	802.11a:54/48/36/24/18/12/9/6Mbps 802.11n:up to 300 Mbps 802.11ac:up to 867Mbps				
Modulation:		☑OFDM with BPSK/QPSK/16QAM/64QAM for 802.11a/n; ☑OFDM with BPSK/QPSK/16QAM/64QAM/256QAM for 802.11ac;			
	UNII-1: 5150MHz-5250MHz Band				
	 □ 5180-5240MHz for 802.11a; □ 5180-5240MHz for 802.11n(HT20); □ 5180-5240MHz for 802.11ac(HT20); 	 ☑ 5190-5230MHz for 802.11n(HT40); ☑ 5190-5230MHz for 802.11ac(HT40); ☑ 5210MHz for 802.11ac(HT80); 			
	UNII-2A: 5250MHz-5350MHz Band				
	⊠5260-5320MHz for 802.11a; ⊠5270-5310MHz for 802.11n(HT40); ⊠5260-5320MHz for 802.11n(HT20); ⊠5270-5310MHz for 802.11ac(HT40); ⊠5260-5320MHz for 802.11ac(HT20); ⊠5290MHz for 802.11ac(HT40);				
Frequency Range:	UNII-2C: 5470MHz-5725MHz Band				
	⊠5500-5700MHz for 802.11a; ⊠5510-5670MHz for 802.11n(HT40); ⊠5500-5700MHz for 802.11n(HT20); ⊠5510-5670MHz for 802.11ac(HT40); ⊠5500-5700MHz for 802.11ac(HT20); ⊠5530-5610MHz for 802.11ac(HT80);				
	UNII-3 with 5725MHz-5850MHz Band				
	 □ 5745-5825MHz for 802.11a; □ 5745-5825MHz for 802.11n(HT20); □ 5745-5825MHz for 802.11n(HT20); □ 5745-5825MHz for 802.11ac(HT20); □ 5775745-5825MHz for 802.11ac(HT20); □ 57755MHz for 802.11ac(HT80); 				
TPC Function:	Applicable	Not Applicable			

深圳信测标准技术服务股份有限公司 地址:广东省深圳市南山区马家龙工业区69栋 网址:Http://www.emtek.com.cn 邮箱:cs.rep@emtek.com.cn EMTEK (Shenzhen) Co., Ltd. Add: Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China Http://www.emtek.com.cn E-mail: cs.rep@emtek.com.cn

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Antenna Port:	Antenna port 1 Antenna port 2			
Antenna Type:	ANT 1: FPC Antenna			
Antenna Gain:	⊠ANT 1: 1.0 dBi ⊠ANT 2: 0.2 dBi			
	Output Power (Max.) fo 5150MHz-5250MHz (1TX)	802.11a: 14.55dBm 802.11n(20 MHz): 13.80dBm 802.11n(40 MHz): 12.00dBm 802.11ac(20 MHz): 13.53dBm 802.11ac (40 MHz): 13.14dBm 802.11ac (80 MHz): 10.03dBm		
	Output Power (Max.) fo 5250MHz-5350MHz (1TX)	802.11a: 14.49dBm 802.11n(20 MHz): 13.93dBm 802.11n(40 MHz): 12.34dBm 802.11ac(20 MHz):15.02dBm 802.11ac(40 MHz):14.04dBm 802.11ac(80 MHz): 10.38dBm		
	Output Power (Max.) fo 5470MHz-5725MHz (1TX)	802.11a: 15.82dBm 802.11n(20 MHz): 15.98dBm 802.11n(40 MHz): 14.75dBm 802.11ac(20 MHz): 15.68dBm 802.11ac(40 MHz): 14.80dBm 802.11ac(80 MHz): 12.39dBm		
Transmit Power:	Output Power (Max.) fo 5725MHz-5875MHz (1TX)	802.11a: 16.19dBm 802.11n(20 MHz): 16.86dBm 802.11n(40 MHz): 14.14dBm 802.11ac (20 MHz): 16.98dBm 802.11ac (40 MHz): 12.88dBm 802.11ac (80 MHz): 13.16dBm		
	Output Power (Max.) fo 5150MHz-5250MHz (2TX)	802.11n(20 MHz): 15.93dBm 802.11n(40 MHz): 14.84dBm 802.11ac(20 MHz): 15.89dBm 802.11ac(40 MHz): 15.87dBm 802.11ac(80 MHz): 12.75dBm		
	Output Power (Max.) fo 5250MHz-5350MHz (2TX)	802.11n(20 MHz): 16.29dBm 802.11n(40 MHz): 15.18dBm 802.11ac(20 MHz): 17.24dBm 802.11ac(40 MHz):16.72dBm 802.11ac(80 MHz): 13.16dBm		
	Output Power (Max.) fo 5470MHz-5725MHz (2TX)	802.11n(20 MHz): 18.85dBm 802.11n(40 MHz):16.86dBm 802.11ac(20 MHz): 18.33dBm 802.11ac(40 MHz): 16.90dBm 802.11ac(80 MHz): 15.18dBm		
	Output Power (Max.) fo 5725MHz-5875MHz (2TX)	802.11n(20 MHz): 19.24dBm 802.11n(40 MHz): 16.42dBm 802.11ac (20 MHz): 19.51dBm 802.11ac (40 MHz): 15.46dBm 802.11ac (80 MHz): 15.83dBm		

深圳信测标准技术服务股份有限公司 地址:广东省深圳市南山区马家龙工业区69栋 网址:Http://www.emtek.com.cn 邮箱:cs.rep@emtek.com.cn

EMTEK (Shenzhen) Co., Ltd. Add: Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China Http://www.emtek.com.cn E-mail: cs.rep@emtek.com.cn



Power Supply:	⊠AC10-30V,Max 0.5A, 50/60Hz ⊠DC12V,0.5 to1.0A	
Battery:	50mAh,DC3.7V	
Date of Received:	Date of Received: December 11, 2020	
Temperature Range:	-10°C ~ 55°C	

Note: for more details, please refer to the User's manual of the EUT.





3 SUMMARY OF TEST RESULT

FCC Part Clause	Test Parameter	Verdict	Remark
15.407 (a)	00% 6dB and 26dB Bandwidth	PASS	
15.407 (e)	99%, 6dB and 26dB Bandwidth	FA33	
15.407 (a)	Maximum Conducted Output Power	PASS	
15.407 (a)	Peak Power Spectral Density	PASS	
15.407 (b)	Radiated Spurious Emission	PASS	
15.407(g)	Frequency Stability	PASS	
15.407 (b)(6)	Power Line Conducted Emission	PASS	
15.207			
15.407(a)	Antenna Application	PASS	
15.203			
NOTE1: N/A (Not	Applicable)		
NOTE2: Accordin	ig to FCC OET KDB 789033 D2 General UNII Test F	Procedures New Rules	/02r01, In
1.12.02 01 12.0	The set of		

NOTE2: According to FCC OET KDB 789033 D2 General UNII Test Procedures New Rules v02r01, In addition, the radiated test is also performed to ensure the emissions emanating from the device cabinet also comply with the applicable limits.

RELATED SUBMITTAL(S) / GRANT(S):

This submittal(s) (test report) is intended for FCC ID: 2ADXI-SBHD50 filing to comply with Section 15.247 of the FCC Part 15, Subpart E Rules.



4 TEST METHODOLOGY

4.1 GENERAL DESCRIPTION OF APPLIED STANDARDS

According to its specifications, the EUT must comply with the requirements of the following standards: FCC 47 CFR Part 2, Subpart J

FCC 47 CFR Part 15, Subpart E

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

FCC KDB 789033 D2 General UNII Test Procedures New Rules v02r01

4.2 MEASUREMENT EQUIPMENT USED

4.2.1 Conducted Emission Test Equipment

EQUIPMENT	MFR	MODEL	SERIAL	LASTCAL.	DUE CAL.
TYPE		NUMBER	NUMBER		
Test Receiver	Rohde & Schwarz	ESCI	101384	2020/5/16	2021/5/15
L.I.S.N.	Rohde & Schwarz	ENV216	5	2020/5/16	2021/5/15
L.I.S.N.	Kyoritsu	KNW-407	8-1492-9	2020/5/16	2021/5/15
Absorbing Clamp	Rohde & Schwarz	MDS-21	833711/025	2020/7/4	2021/7/3
Loop antenna	Laplace	RF300	8006	2020/6/30	2021/6/29
Van der Hoofden test-head	Schwarzbeck	VDHH 9502	9502-054	2020/5/16	2021/5/15
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100107	2020/5/17	2021/5/16

4.2.2 Radiated Emission Test Equipment

EQUIPMENT	MFR	MODEL	SERIAL	LAST CAL.	DUE CAL.
TYPE		NUMBER	NUMBER		
Pre-Amplifier	HP	8447F	2944A07999	2020/5/16	2021/5/15
EMI Test Receiver	Rohde & Schwarz	ESCI	101414	2020/5/16	2021/5/15
Bilog Antenna	Schwarzbeck	VULB9163	712	2019/9/22	2021/9/21
Horn antenna	Schwarzbeck	BBHA9120D	9120D-1178	2020/7/4	2021/7/3
Pre-Amplifie	Lunar EM	LNA1G18-48	J1011131010001	2020/5/16	2021/5/15
Spectrum Analyzer	Rohde & Schwarz	FSV40	100967	2020/5/16	2021/5/15
Horn antenna	Schwarzbeck	BBHA9170	9170-399	2019/6/16	2021/6/15
Loop Antenna	Schwarzbeck	FMZB1519	1519-012	2019/7/14	2021/7/13
Cable	Schwarzbeck	AK9513	ACRX1	2020/5/16	2021/5/15
Cable	Rosenberger	N/A	FP2RX2	2020/5/16	2021/5/15
Cable	Schwarzbeck	AK9513	CRPX1	2020/5/16	2021/5/15
Cable	Schwarzbeck	AK9513	CRRX2	2020/5/16	2021/5/15

4.2.3 Radio Frequency Test Equipment

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LASTCAL.	DUE CAL.
Signal Analyzer	Agilent	N9010A	MY53470879	2020/5/16	2021/5/15
Spectrum Analyzer	Rohde & Schwarz	FSV40	100967	2020/5/16	2021/5/15
Spectrum Analyzer	Rohde & Schwarz	FSV30	103039	2020/5/16	2021/5/15
DC Power	Manson	HCS-3202	G431609656	2020/8/29	2021/8/28
Power Meter	/	PS-X10-100	\	2020/5/16	2021/5/15
Power Splitter	MiNi-circuits	ZAPD-30-S+	\	2020/5/17	2021/5/16
Thermometer	Hegao	HTC-1	\	2020/7/8	2021/7/7
Temp. / Humidity Chamber	ESPEC	EL-02KA	12107166	2020/6/30	2021/6/29

深圳信测标准技术服务股份有限公司 地址:广东省深圳市南山区马家龙工业区69栋 网址:Http://www.emtek.com.cn 邮箱:cs.rep@emtek.com.cn

EMTEK (Shenzhen) Co., Ltd. Add: Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China Http://www.emtek.com.cn E-mail: cs.rep@emtek.com.cn



4.3 DESCRIPTION OF TEST MODES

The EUT has been tested under its typical operating condition.

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

Wifi 5G with U-NII - 1

Frequency and Channel list for 802.11a/n (HT20)/802.11ac (HT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220		
40	5200	48	5240		

Frequency and Channel list for 802.11n (HT40)/ 802.11ac (HT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190				
46	5230				

Frequency and Channel list for 802.11ac (HT80):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210				

Test Frequency and Channel for 802.11a/n (HT20)/802.11ac (HT20):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	40	5200	48	5240

Test Frequency and channel for 802.11n (HT40)/ 802.11ac (HT40):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	N/A	N/A	46	5230

Test Frequency and channel for 802.11ac (HT80):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	N/A	N/A	N/A	N/A



Wifi 5G with U-NII -2A

Frequency and Channel list for 802.11a/n (HT20)/802.11ac (HT20):

I loquonoy une										
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)					
52	5260	60	5300							
56	5280	64	5320							

Frequency and Channel list for 802.11n (HT40)/ 802.11ac (HT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
54	5270				
62	5310				

Frequency and Channel list for 802.11ac (HT80):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
58	5290				

Test Frequency and Channel for 802.11a/n (HT20)/802.11ac (HT20):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	56	5280	64	5320

Test Frequency and channel for 802.11n (HT40)/ 802.11ac (HT40):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
54	5270	N/A	N/A	62	5310

Test Frequency and channel for 802.11ac (HT80):

	Lowest Frequency		Middle F	Frequency	Highest Frequency		
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	
Γ	58	5290				, ,	



Wifi 5G with U-NII -2C

Frequency and Channel list for 802.11a/n (HT20)/802.11ac (HT20):

	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)		
	100	5500	116	5580	132	5660		
	104	5520	120	5600	136	5680		
	108	5540	124	5620	140	5700		
	112	5560	128	5640				

Frequency and Channel list for 802.11n (HT40)/ 802.11ac (HT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
102	5510	118	5590	134	5670
110	5550	126	5630		

Frequency and Channel list for 802.11ac (HT80):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
106	5530	122	5610		

Test Frequency and Channel for 802.11a/n (HT20)/802.11ac (HT20):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	116	5580	140	5700

Test Frequency and channel for 802.11n (HT40)/ 802.11ac (HT40):

Lowest F	Lowest Frequency		requency	Highes	st Frequency
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
102	5510			134	5670

Test Frequency and channel for 802.11ac (HT80):

Lowest F	Lowest Frequency		requency	Highes	st Frequency
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
106	5530				



Wifi 5G with U-NII -3

Frequency and Channel list for 802.11a/n (HT20)/802.11ac (HT20):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	157	5785	165	5825
153	5765	161	5805		

Frequency and Channel list for 802.11n (HT40)/ 802.11ac (HT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755	159	5795		

Frequency and Channel list for 802.11ac (HT80):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
155	5775				

Test Frequency and Channel for 802.11a/n (HT20)/802.11ac (HT20):

Lowest F	Lowest Frequency		requency	Highes	st Frequency
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
149	5745	157	5785	165	5825

Test Frequency and channel for 802.11n (HT40)/ 802.11ac (HT40):

Lowest F	Lowest Frequency		requency	Highes	st Frequency
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755	N/A	N/A	159	5795

Test Frequency and channel for 802.11ac (HT80):

Lowest F	requency	Middle F	Frequency	Highest Frequency		
Channel	nannel Frequency (MHz)		Frequency (MHz)	Channel	Frequency (MHz)	
155	5775					

The 5G WIFI has two antennas and support Multiple Outputs for 802.11n/ac mode for this report; Antenna 1 Gain is 1.0dBi; Antenna 2 Gain is 0.2dBi; For this function is belong to Correlated Categorization equipment

According to KDB 662911, for Unequal antenna gains,

Directional gain = $10 \log[(10^{1/20} + 10^{0.2/20})^2/2] dBi=3.59 dBi$

4.4 TEST SOFTWARE

Item	Software
RF conducted:	ETSI Certification of Regulations Test Solution(V1.04.01)
Radiated Emission:	EMTEK(Ver.RA-03A1)-Shenzhen

深圳信测标准技术服务股份有限公司 地址:广东省深圳市南山区马家龙工业区69栋 网址:Http://www.emtek.com.cn 邮箱:cs.rep@emtek.com.cn EMTEK (Shenzhen) Co., Ltd. Add: Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China Http://www.emtek.com.cn E-mail: cs.rep@emtek.com.cn

Report No. ES201209053W02



5 FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

All measurement facilities used to collect the measurement data are located at

Building 69, Majialong Industry Zone District, Nanshan District, Shenzhen, China The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

5.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description	
EMC Lab.	: Accredited by CNAS, 2018.11.30 The certificate is valid until 2022.10.28 The Laboratory has been assessed and proved to be in compliance with CNAS-CL01 (identical to ISO/IEC 17025:2017) The Certificate Registration Number is L2291
	Accredited by FCC, Valid to August 31, 2022 Designation Number: CN1204 Test Firm Registration Number: 882943 Accredited by A2LA, Valid to August 31, 2022 The Certificate Registration Number is 4321.01
	Accredited by Industry Canada, Valid to August 31, 2022 The Certificate Registration Number is CN0008
Name of Firm Site Location	 EMTEK(SHENZHEN) CO., LTD. Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China



6 TEST SYSTEM UNCERTAINTY

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Parameter	Uncertainty
Radio Frequency	±1x10^-5
Maximum Peak Output Power Test	±1.0dB
Conducted Emissions Test	±2.0dB
Radiated Emission Test	±2.0dB
Power Density	±2.0dB
Occupied Bandwidth Test	±1.0dB
Band Edge Test	±3dB
All emission, radiated	±3dB
Antenna Port Emission	±3dB
Temperature	±0.5°C
Humidity	±3%

Measurement Uncertainty for a level of Confidence of 95%



7 SETUP OF EQUIPMENT UNDER TEST

7.1 RADIO FREQUENCY TEST SETUP

The WLAN component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



7.2 RADIO FREQUENCY TEST SETUP

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10. The test distance is 3m.The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.

Below 30MHz:

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The Antenna should be positioned with its plane vertical at the specified distance from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. The center of the loop shall be 1 m above the ground. For certain applications, the loop antenna plane may also need to be positioned horizontally at the specified distance from the EUT.

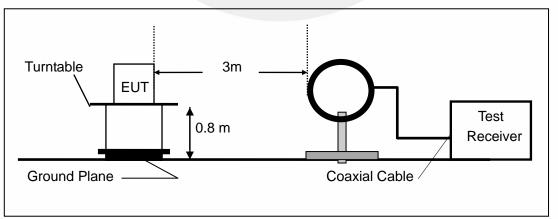
Above 30MHz:

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

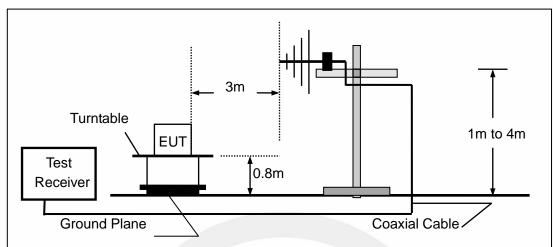
Above 1GHz:

(Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.) The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

(a) Radiated Emission Test Set-Up, Frequency Below 30MHz

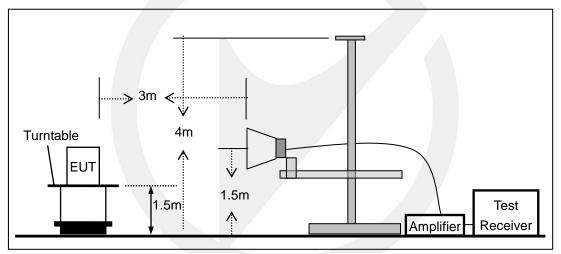






(b) Radiated Emission Test Set-Up, Frequency Below 1000MHz

(c) Radiated Emission Test Set-Up, Frequency above 1000MHz



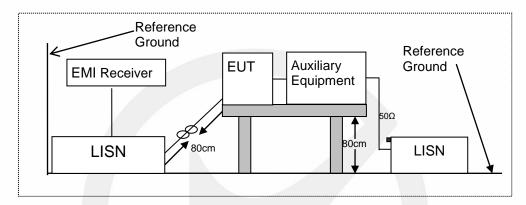


7.3 CONDUCTED EMISSION TEST SETUP

The mains cable of the EUT (maybe per AC/DC Adapter) must be connected to LISN. The LISN shall be placed 0.8 m from the boundary of EUT and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance is between the closest points of the LISN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8m from the LISN.

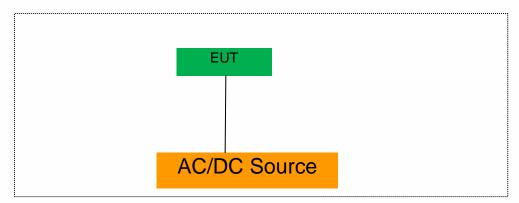
Ground connections, where required for safety purposes, shall be connected to the reference ground point of the LISN and, where not otherwise provided or specified by the manufacturer, shall be of same length as the mains cable and run parallel to the mains connection at a separation distance of not more than 0.1 m.

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.





7.4 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM



7.5 SUPPORT EQUIPMENT

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
	/	1	/

Auxiliary Cable List and De	tails		
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	1	/

Auxiliary Equipment List ar	nd Details		
Description	Manufacturer	Model	Serial Number
Notebook	acer	ZR1	LXTECOCO76643158 372500

Notes:

1.All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.

2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.



8 TEST REQUIREMENTS 8.1 BANDWIDTH MEASUREMENT

8.1.1 Applicable Standard

According to FCC Part 15.407(a)(1) for UNII Band I According to FCC Part 15.407(a)(2) for UNII Band II-A and UNII Band II-C According to FCC Part 15.407(a)(3) for UNII Band III According to FCC Part 15.407(e) for UNII Band III According to 789033 D02 Section II(C) According to 789033 D02 Section II(D)

8.1.2 Conformance Limit

(1) For the band 5.15-5.25 GHz.

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(e) Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

8.1.3 Test Configuration

Test according to clause 6.1 radio frequency test setup

8.1.4 Test Procedure

According to 789033 D02 v02r01 section C&D, the following is the measurement procedure.

1. Emission Bandwidth (EBW)

- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.

e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission.

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EMTEK (Shenzhen) Co., Ltd. Add: Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China Http://www.emtek.com.cn E-mail: cs.rep@emtek.com.cn



Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

2. Minimum Emission Bandwidth for the band 5.725-5.85 GHz

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

a) Set RBW = 100 kHz.

b) Set the video bandwidth (VBW) \geq 3 \times RBW.

c) Detector = Peak.

d) Trace mode = max hold.

e) Sweep = auto couple.

f) Allow the trace to stabilize.

g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

D. 99 Percent Occupied Bandwidth

The 99-percent occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 % of the total mean power of the given emission. Measurement of the 99-percent occupied bandwidth is required only as a condition for using the optional band-edge measurement techniques described in section II.G.3.d). Measurements of 99-percent occupied bandwidth may also optionally be used in lieu of the EBW to 789033 D02 v01r02 General UNII Test Procedures New Rules v01 define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in section II.E. However, the EBW must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with 15.407(a).

The following procedure shall be used for measuring (99 %) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency.

2. Set span = 1.5 times to 5.0 times the OBW.

3. Set RBW = 1 % to 5 % of the OBW

4. Set VBW \geq 3 • RBW

5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.

6. Use the 99 % power bandwidth function of the instrument (if available).

7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

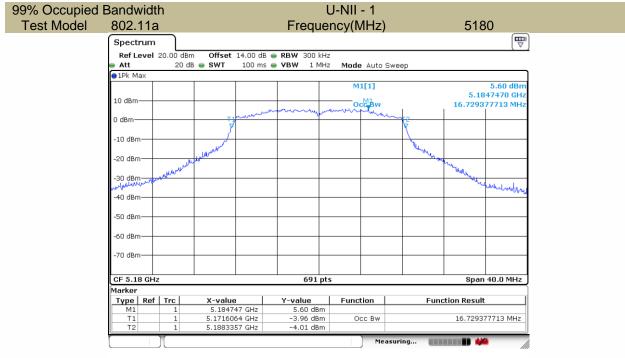


8.1.5 Test Results

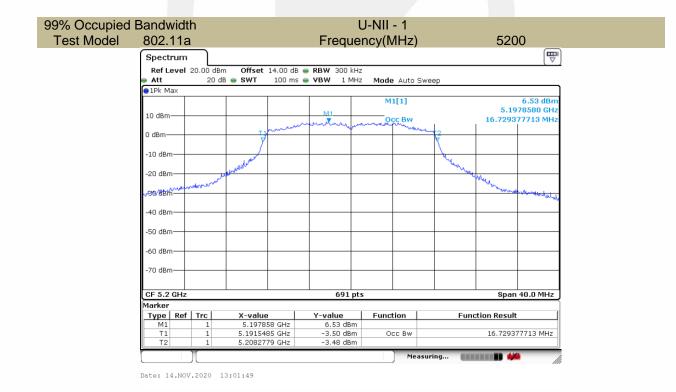
5150-5250MHz

Test Mode		hannel Hz	26 dB Bandwidth MHz	99% Bandwidth MHz	Verdict
	CH36	5180	19.276	16.729	Pass
802.11a	CH40	5200	19.276	16.729	Pass
	CH48	5240	19.161	16.729	Pass
	CH36	5180	20.087	17.887	Pass
802.11n-HT20	CH40	5200	20.260	17.887	Pass
	CH48	5240	20.087	17.887	Pass
	CH36	5180	19.971	17.887	Pass
802.11ac(HT20)	CH40	5200	20.145	17.887	Pass
	CH48	5240	20.087	17.887	Pass
000 44 5 117 40	CH38	5190	44.340	36.237	Pass
802.11n-HT40	CH46	5230	42.600	36.237	Pass
902 11 co(UT 40)	CH38	5190	43.420	36.237	Pass
802.11ac(HT40)	CH46	5230	43.070	36.237	Pass
802.11ac(HT80)	CH42	5210	86.830	75.716	Pass





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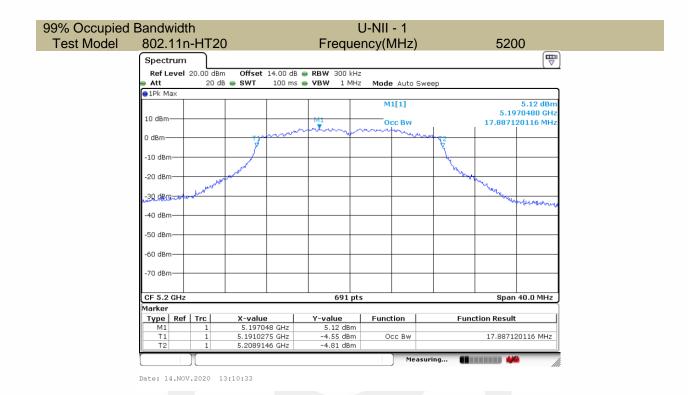




99% Occupied Bandwidth U-NII - 1 Test Model 802.11n-HT20 Frequency(MHz) 5180 ₽ Spectrum Ref Level 20.00 dBm Offset 14.00 dB 👄 RBW 300 kHz Att 20 dB 👄 SWT 100 ms 👄 VBW 🛛 1 MHz Mode Auto Sweep 1Pk Max M1[1] 5.26 dBn 5.1833000 GHz 10 dBr Occ Bw 17.887120116 MH 0 dBr -10 dBm -20 dBm Yules -30 dBmmonthe -40 dBm -50 dBm -60 dBm -70 dBm CF 5.18 GHz 691 pts Span 40.0 MHz Marker X-value 5.1833 GHz 5.1710275 GHz 5.1889146 GHz Y-value 5.26 dBm -4.35 dBm Type Ref Trc Function Function Result Occ Bw 17.887120116 MHz T1 T2 -4.18 dBm Measuring... ----

Date: 14.NOV.2020 13:09:45



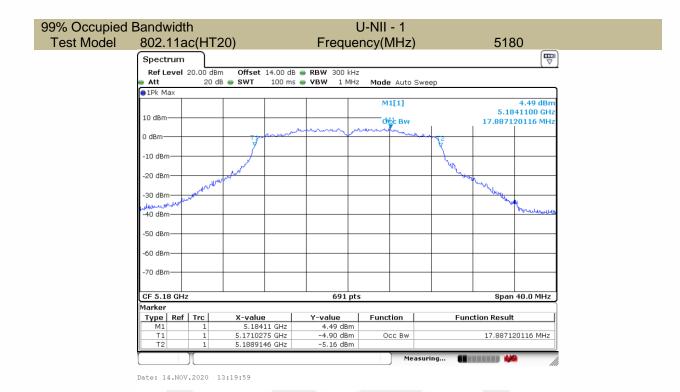


99% Occupied Bandwidth U-NII - 1 Test Model 802.11n-HT20 Frequency(MHz) 5240 ₽ Spectrum Ref Level 20.00 dBm Offset 14.00 dB 👄 RBW 300 kHz Att 20 dB 👄 SWT 100 ms 👄 VBW 🛛 1 MHz Mode Auto Sweep ●1Pk Max M1[1] 5.08 dBn 5.2408680 GHz 10 dBr 17.887120116 MH Occ Bw X 0 dBr -10 dBm -20 dBm ترميه -30, df -40 dBm -50 dBm -60 dBm -70 dBm CF 5.24 GHz 691 pts Span 40.0 MHz Marker X-value 5.240868 GHz 5.2310275 GHz 5.2489146 GHz Y-value 5.08 dBm -4.29 dBm Type Ref Trc Function Function Result Occ Bw 17.887120116 MHz T1 T2 -4.53 dBm Measuring... ----Date: 14.NOV.2020 13:11:15

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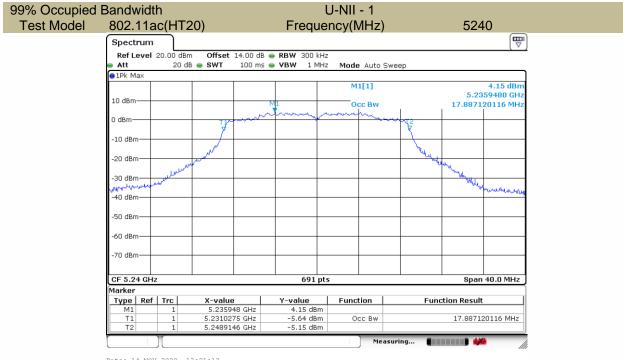
Report No. ES201209053W02





U-NII - 1 99% Occupied Bandwidth **Test Model** 802.11ac(HT20) Frequency(MHz) 5200 ₽ Spectrum Ref Level 20.00 dBm Offset 14.00 dB 👄 RBW 300 kHz Att 20 dB 🕳 SWT 100 ms 👄 VBW 🛛 1 MHz Mode Auto Sweep ●1Pk Max M1[1] 4.19 dBn 5.2010420 GHz 10 dB Occ Bw ملحس 0 dBr -10 dBm -20 dBm -30 dBm andalay Antoin -40 dBm -50 dBm -60 dBm -70 dBm CF 5.2 GHz 691 pts Span 40.0 MHz Marker X-value 5.201042 GHz 5.1910275 GHz 5.2089146 GHz **Y-value** 4.19 dBm -4.79 dBm Type Ref Trc Function Function Result 17.887120116 MHz Occ Bw T1 T2 -5.48 dBm Measuring... 📲 🗰 🗰 Date: 14.NOV.2020 13:20:43



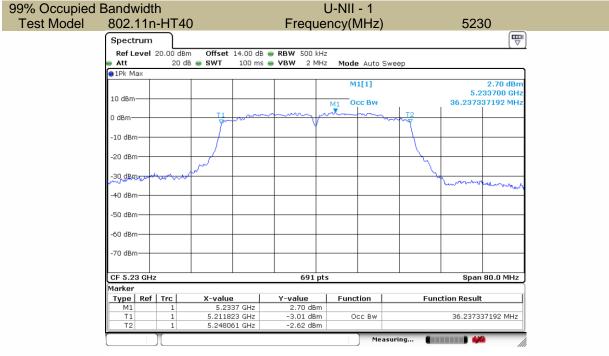


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Spect		-HT40	,		Tequ	Gricy	(MHz)		519	,0 ₩
			06	14.00 -10	RBW 500	4.1-				
Att	ever	20.00 dBm 20 dB		14.00 dB 100 ms			de Auto Swi	eep		
●1Pk M	ax							F		
							M1[1]			3.47 dBm
10 dBm	_			M1			Occ Bw			.79230 GHz 37192 MHz
			т1	- Tu	mm		min	T.2		
0 dBm-			- Ym			(my -		
-10 dBr	n		\vdash					+		
-20 dBr	n		~							
-30 dBr	n	whent	N				_			
www.		anyour							Mulmon	who have have
-40 dBr	n									
-50 dBr	n						_			
60 dB-										
-60 dBr	n									
-70 dBr	n									
CF 5.1		<u>.</u>			691	pts			Span	80.0 MHz
Marker						1 =				
Type M1	Ref	1 Trc	X-value 5.1792	23 GHz	<u>Y-value</u> 3.47 dB		nction	Fun	ction Result	
T1		1	5.17182		-2.32 dB		Occ Bw		36.2373	37192 MHz

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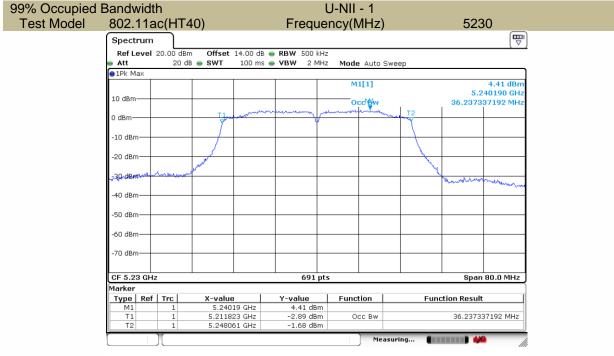


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802.	11a	c(HT4	10)		Freau	uency(MHz)		519	90
Spect		<u> </u>	,				·····,		••••	
		20.00 dBr	0#1	14.00 40	RBW 500	L.U.=				(🗸
Att	ever		B SWT				le Auto Sw	reen		
O 1Pk M	lax	20 0		100 110		1100	a nato on	000		
						P	41[1]			3.86 dBm
10 dBm										180850 GHz
10 0011				1	11		Dec Bw	1	36.2373	337192 MHz
0 dBm-			T1,	Land Canadala	manny	mound	and the second	T2		
-10 dBn	n									
-20 dBn	n									
			and all and all and a second and a					N.		
-30 dBn	n derer	under	ſ						₩	
-40 dBn									Weinhours	bah Anyour
-40 UBI	"									
-50 dBn	n									
-60 dBn	n									
-70 dBn										
, o ubi	"									
CF 5.1	9 GHz	:			691	pts			Spar	n 80.0 MHz
Marker										
Туре	Ref	Trc	X-value		Y-value		ction	Fun	ction Resul	t
M1 T1		1	5.180	B5 GHz	3.86 dB -2.79 dB		DCC BW		26 0070	37192 MHz
T2		1	5.1718		-2.79 de		JUC BW		30.23/3	57192 MHZ

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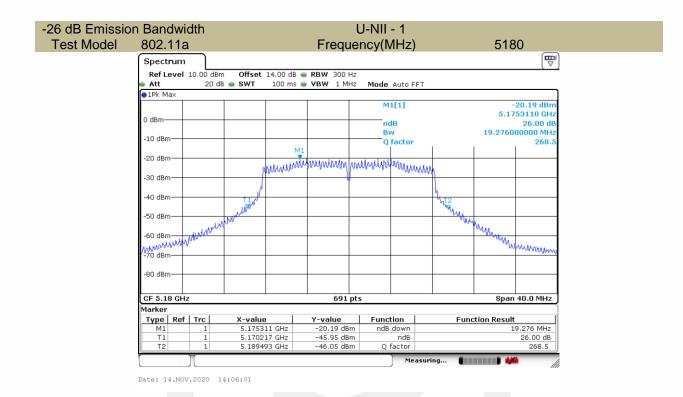




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el	Bandwidth 802.11a				Freque	ncy(MF	lz)		521	10
	Spectrum									
	Ref Level 2	20.00.dBm	Offset 1	14 00 dB	RBW 1 MHz					(°)
	Att		SWT		VBW 3 MHz	Mode Aut	n Swee	en		
	1Pk Max					niede nat				
						M1[1	1			4.08 dBm
	10 10					_	-		5.3	228990 GHz
	10 dBm					Octor	ЗW		75.7163	353111 MHz
	0 dBm		Τ1			4		T2		
			1							
	-10 dBm									
	-20 dBm	anoun	Und							
	-30 dBm	· ·						west.	Munopan	Anna Anna
	-30 dBm									W.
	-40 dBm									
	-50 dBm									
	-60 dBm									
	-70 dBm									
	CF 5.21 GHz				691 pts	-			Pnan	160.0 MHz
	Marker				091 pt	,			opun	100.0 0012
	Type Ref	Trc	X-value	1	Y-value	Function	n	Fun	ction Resul	t í
	M1	1	5.2289	9 GHz	4.08 dBm		-			
	T1	1	5.17202		-1.72 dBm	Occ I	BW		75.7163	53111 MHz
	T2	1	5.24774	2 GHz	-1.18 dBm					
							Measu	ıring 🔳		a //





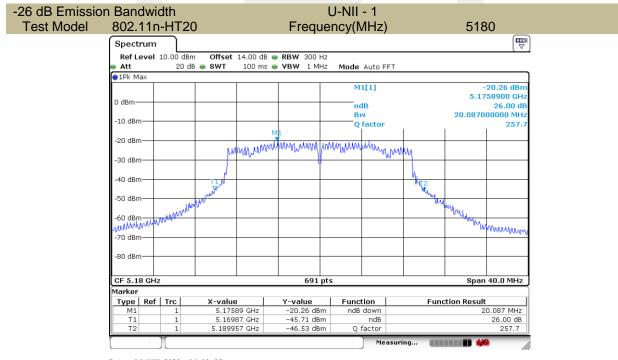
U-NII - 1 -26 dB Emission Bandwidth Test Model 802.11a Frequency(MHz) 5200 ₽ Spectrum Ref Level 10.00 dBm Offset 14.00 dB 👄 RBW 300 Hz Mode Auto FFT Att 20 dB 👄 SWT 100 ms 👄 VBW 1 MHz 1Pk Max M1[1] 20.91 dBn 5.1958900 GHz 0 dBr ndB 26.00 di 19.276000000 MHz Βw -10 dBm 269. Q factor -20 dBm where we were a second and a second s mann -30 dBm 40 dBm -50 dBm 144 ٨., www ngWWWWWWWWW -70 dBm Munimum -80 dBm CF 5.2 GHz 691 pts Span 40.0 MHz Marker X-value 5.19589 GHz 5.190217 GHz Type Ref Trc Function ndB down Y-value Function Result -20.91 dBm -46.53 dBm 19.276 MHz Τ1 26.00 dB ndB Q factor Т2 5.209493 GHz -46.93 dBm 269.5 Measuring... Date: 14.NOV.2020 14:06:47

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Report No. ES201209053W02

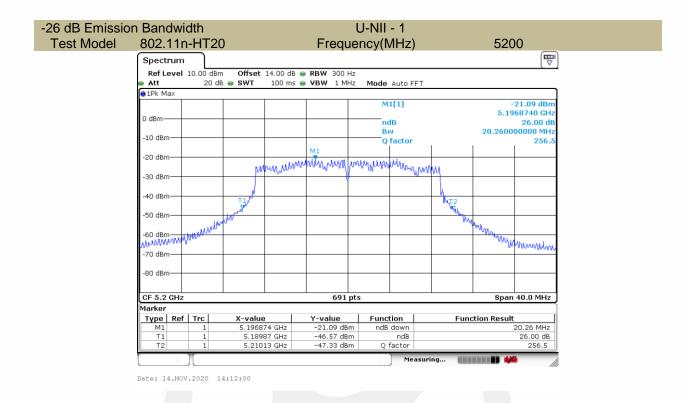


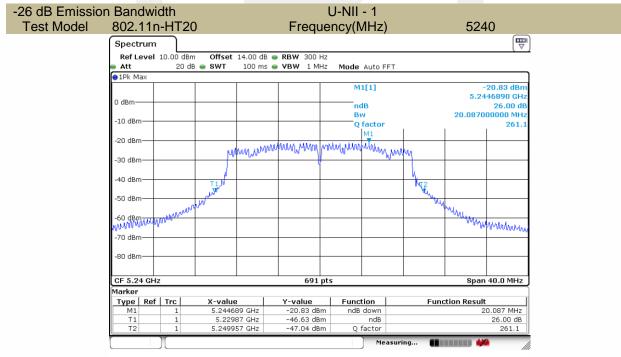




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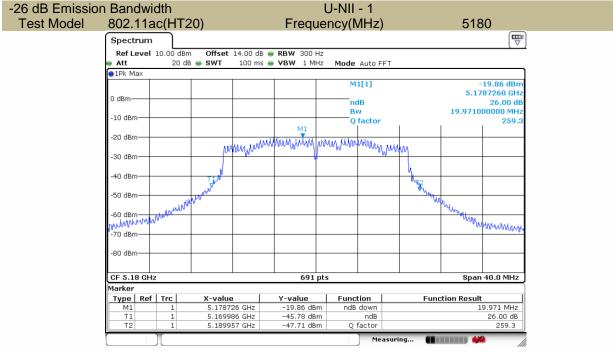




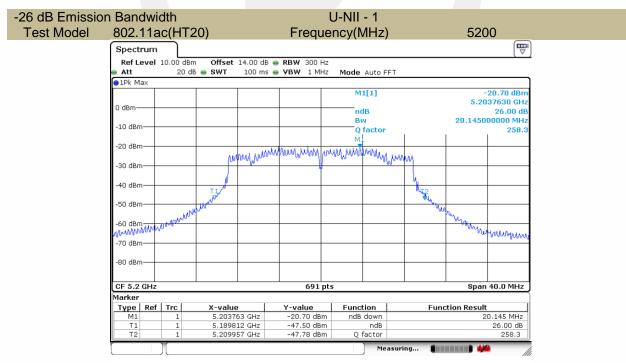


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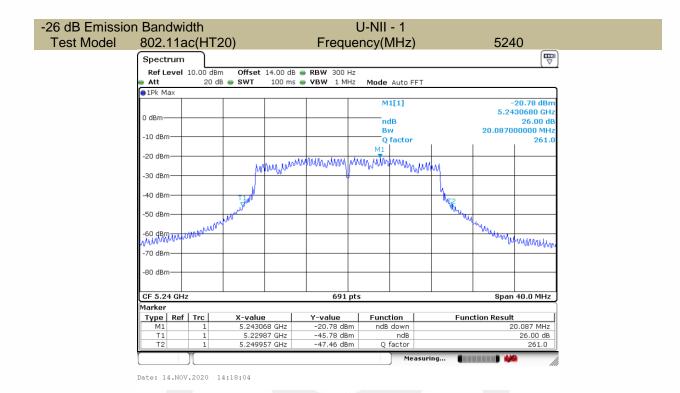


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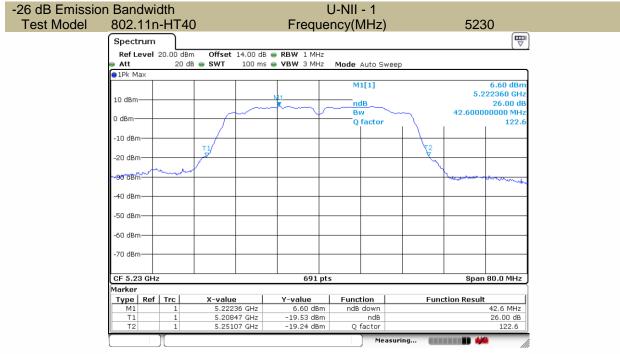
Date: 14.NOV.2020 14:17:35



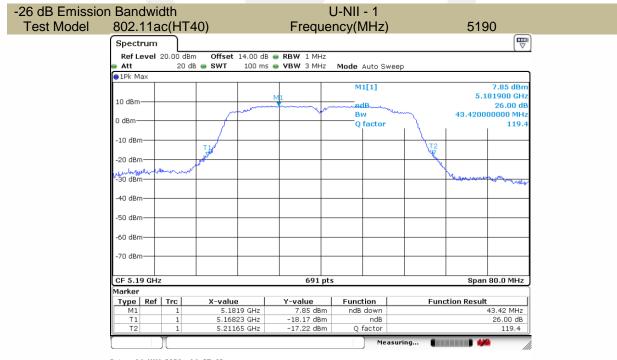


-26 dB Emission Bandwidth U-NII - 1 **Test Model** 802.11n-HT40 Frequency(MHz) 5190 ₽ Spectrum Ref Level 20.00 dBm Offset 14.00 dB 👄 RBW 1 MHz Att 20 dB 🕳 SWT 100 ms 👄 **VBW** 3 MHz Mode Auto Sweep ●1Pk Max M1[1] 7.11 dBn 5.187340 GHz 26.00 dB 44.340000000 MHz 10 dB ndB Bw 0 dBn Q factor 117. -10 dBm Γ1 T2 -20 dBm 30 dBm -40 dBm -50 dBm -60 dBm -70 dBm CF 5.19 GHz 691 pts Span 80.0 MHz Marker X-value 5.18734 GHz 5.16742 GHz 5.21177 GHz Y-value 7.11 dBm -19.06 dBm Type Ref Trc Function Function Result 44.34 MHz ndB down 26.00 dB 117.0 T1 T2 ndB Q factor -18.90 dBm Measuring... Date: 14.NOV.2020 14:22:57



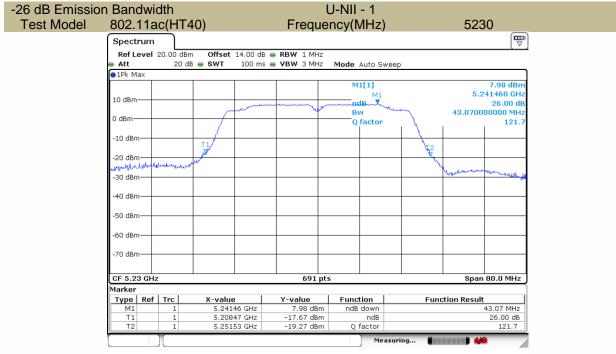


Date: 14.NOV.2020 14:23:50



Date: 14.NOV.2020 14:27:05





Date: 14.NOV.2020 14:27:42

802.11	ac 80		Freque	ncy(MHz)	5210
Spectrun	n				
Ref Leve	I 20.00 dB	m Offset 14.00 dB	RBW 1 MHz		(
Att			VBW 3 MHz	Mode Auto Sweep)
●1Pk Max					
				M1[1]	3.93 dB
10 dBm		M		ndB	5.190320 Gl 26.00 (
				nab	26.00 (86.830000000 MI
0 dBm			- Y	Q factor	59
-10 dBm					
-10 UBIII-					
-20 dBm-	1. 10 Jack	J. Law			<u><u><u></u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>
	Mar Mar - A				When have all hand we have been and and
-30 dBm					have bed to
-40 dBm					
-40 0811					
-50 dBm					
-60 dBm					
-70 dBm					
-yo ubii					
CF 5.21 G	l Hz		691 pts	;	Span 160.0 MH
Marker			•		•
	f Trc	X-value	Y-value	Function	Function Result
M1	1	5.19032 GHz	3.93 dBm	ndB down	86.83 MH
T1 T2	1	5.16438 GHz 5.25122 GHz	-22.47 dBm -21.83 dBm	ndB Q factor	26.00 dl 59.8

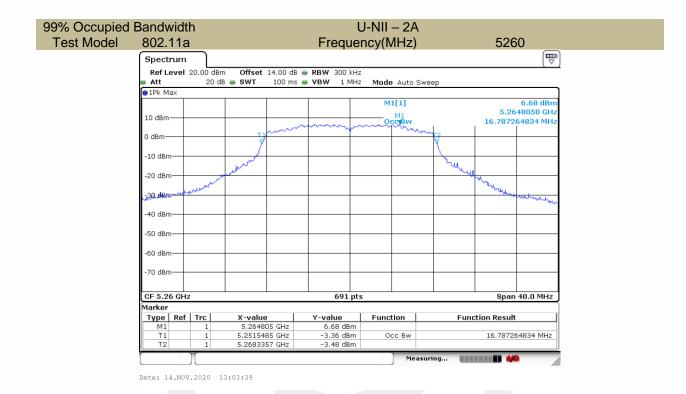
Date: 14.NOV.2020 14:30:25



Test Mode		hannel Hz	26 dB Bandwidth MHz	99% Bandwidth MHz	Verdict
	CH52	5260	19.045	16.787	Pass
802.11a	CH56	5280	19.566	16.729	Pass
	CH64	5320	19.161	16.729	Pass
	CH52	5260	20.318	17.887	Pass
802.11n-HT20	CH56	5280	20.087	17.887	Pass
	CH64	5320	20.087	17.887	Pass
	CH52	5260	20.029	17.887	Pass
802.11ac(HT20)	CH56	5280	19.971	17.887	Pass
	CH64	5320	20.029	17.887	Pass
802 11p HT40	CH54	5270	42.490	36.121	Pass
802.11n-HT40	CH62	5310	42.600	36.237	Pass
902 11 co/UT 10)	CH54	5270	43.180	36.237	Pass
802.11ac(HT40)	CH62	5310	43.180	36.121	Pass
802.11ac(HT80)	CH58	5290	82.660	75.716	Pass

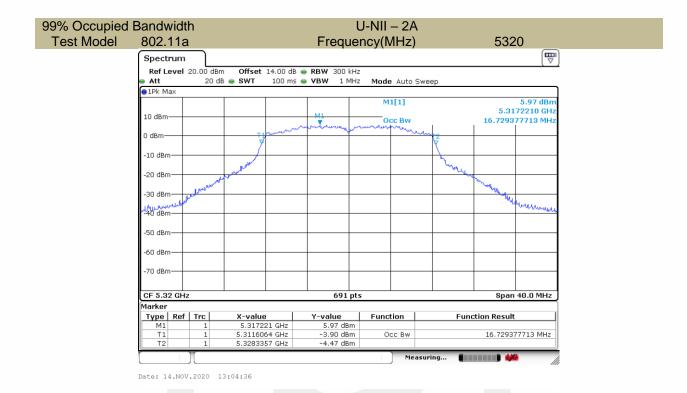
5250-5350MHz





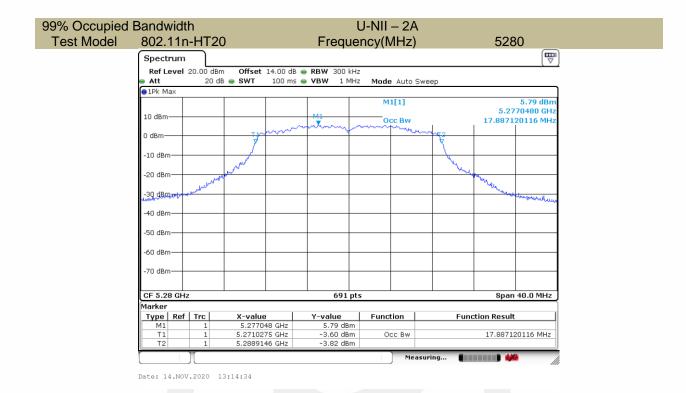
U-NII – 2A 99% Occupied Bandwidth Test Model 802.11a Frequency(MHz) 5280 ₽ Spectrum Ref Level 20.00 dBm Offset 14.00 dB 🖷 RBW 300 kHz Att 20 dB 👄 SWT 100 ms 👄 VBW 1 MHz Mode Auto Sweep 1Pk Max M1[1] 5.78 dBr 5.2782630 GHz 10 dBr Occ Bw 16.729377713 MH 1 0 dBr -10 dBm -20 dBm he -30 dBm mohune -40 dBm -50 dBm -60 dBm -70 dBm CF 5.28 GHz 691 pts Span 40.0 MHz Marker X-value 5.278263 GHz 5.2716064 GHz **Y-value** 5.78 dBm -3.85 dBm Type Ref Trc Function Function Result 16.729377713 MHz Occ Bw Τ1 Т2 5.2883357 GHz -4.41 dBm Measuring... Date: 14.NOV.2020 13:04:06





99% Occupied Bandwidth U-NII – 2A Test Model 802.11n-HT20 Frequency(MHz) 5260 ₽ Spectrum Ref Level 20.00 dBm Offset 14.00 dB 👄 RBW 300 kHz Att 20 dB 👄 SWT 100 ms 👄 VBW 🛛 1 MHz Mode Auto Sweep 1Pk Max M1[1] 5.07 dBn 5.2552530 GHz 10 dBr 17.887120116 MH Occ Bw X 0 dBr -10 dBm -20 dBm -1 -30 dBi -40 dBm -50 dBm -60 dBm -70 dBm CF 5.26 GHz 691 pts Span 40.0 MHz Marker X-value 5.255253 GHz 5.2510275 GHz 5.2689146 GHz Y-value 5.07 dBm -4.42 dBm Type Ref Trc Function Function Result Occ Bw 17.887120116 MHz T1 T2 -4.51 dBm Measuring... Date: 14.NOV.2020 13:11:57



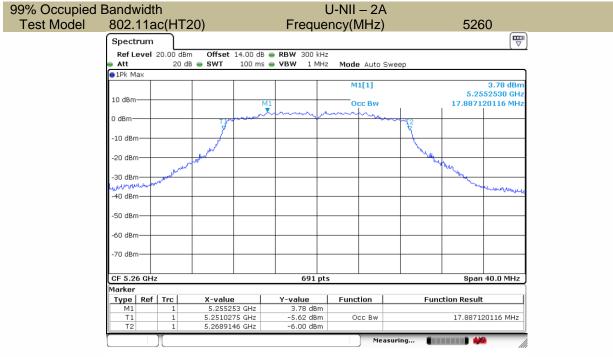


99% Occupied Bandwidth U-NII – 2A Test Model 802.11n-HT20 Frequency(MHz) 5320 ₽ Spectrum Ref Level 20.00 dBm Offset 14.00 dB 👄 RBW 300 kHz Att 20 dB 👄 SWT 100 ms 👄 VBW 🛛 1 MHz Mode Auto Sweep 1Pk Max M1[1] 5.57 dBn 5.3177420 GHz 17.887120116 MHz 10 dBr Occ Bw 0 dBr -10 dBm -20 dBm MUNIN -30 dBr uhundh -40 dBm -50 dBm -60 dBm -70 dBm CF 5.32 GHz 691 pts Span 40.0 MHz Marker X-value 5.317742 GHz 5.3110275 GHz 5.3289146 GHz Y-value 5.57 dBm -3.74 dBm -4.38 dBm Type Ref Trc Function Function Result Occ Bw 17.887120116 MHz T1 T2 Measuring... Date: 14.NOV.2020 13:15:08

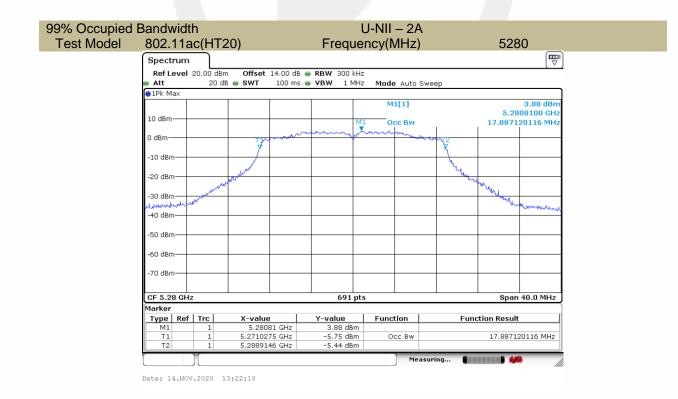
深圳信测标准技术服务股份有限公司 地址:广东省深圳市南山区马家龙工业区69栋 网址:Http://www.emtek.com.cn 邮箱:cs.rep@emtek.com.cn EMTEK (Shenzhen) Co., Ltd. Add: Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China Http://www.emtek.com.cn E-mail: cs.rep@emtek.com.cn

Report No. ES201209053W02

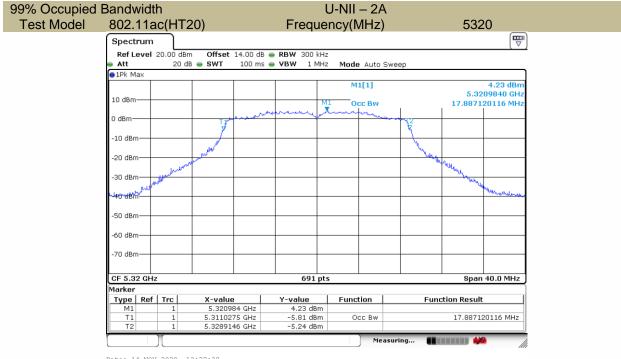




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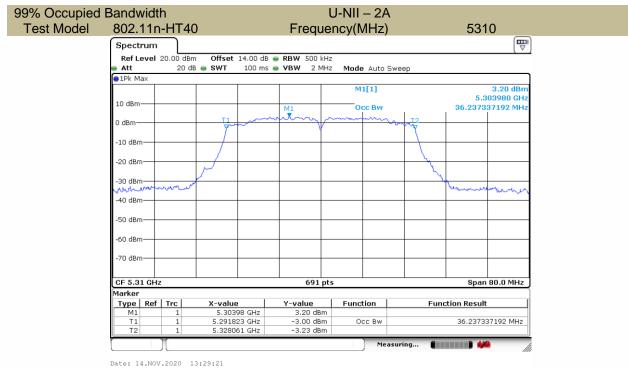


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802.11	n-HT4	h-HT40 Frequency(MHz)						5270		
Spectrun	n									
Ref Leve	el 20.00 dBr	n Offset	14.00 dB	RBW 500	<hz< th=""><th></th><th></th><th></th><th>(*</th></hz<>				(*	
Att	20 d	B 👄 SWT	100 ms	👄 VBW 2 M	1Hz Mode	a Auto Sw	еер			
😑 1Pk Max										
					M	1[1]			2.61 dBm	
10 dBm			M		0	cc Bw			60390 GHz 62952 MHz	
		т1				L.	т2			
0 dBm		Y~			[mig			
-10 dBm		+					+			
-20 dBm										
-30 dBm	- www.w	Jan San San San San San San San San San S					n n n n n n n n n n n n n n n n n n n			
www.	- warme							Jonana	methodolog	
-40 dBm										
-50 dBm										
-50 UBIII-										
-60 dBm				_						
-70 dBm										
CF 5.27 G				691				0	80.0 MHz	
Marker	Π <u>Ζ</u>			091	pts			əpan		
	ef Trc	X-value	.	Y-value	Func	tion	Fun	ction Result	: 1	
M1	1	5.260	39 GHz	2.61 dB	m					
T1 T2	1	5.2518 5.2879						36.121562952 MHz		

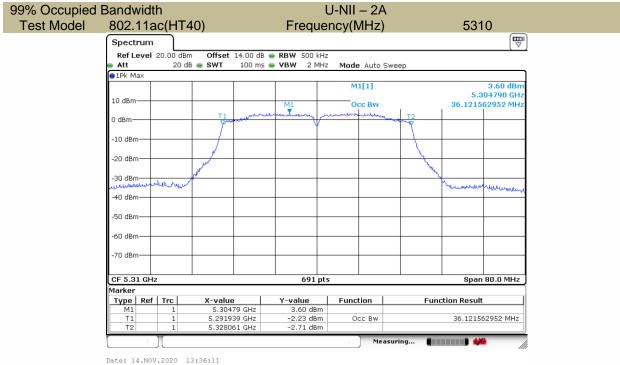
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d Bandwidth			U-NII – 2A	١			
802.11ac(HT	40)	Freque		5270			
Spectrum			, ,		Q		
Ref Level 20.00 dBr		dB 👄 RBW 500 kH:	2				
		ms = VBW 2 MH:		Sween			
1Pk Max	5 - 011 100			24665			
			M1[1]		3.61 dB		
					5.264790 GH		
10 dBm		M1	Occ Bw		36.237337192 MH		
0 dBm	T1. sugar	menon terming ,	- weldwell - more a	т2			
0 dBiii	7	Ý		Y			
-10 dBm							
-20 dBm	. All			<u> </u>			
	we						
-30 dBm	1				Levenane donale		
-40 dBm							
-40 dBm							
-50 dBm							
-60 dBm							
-70 dBm							
CF 5.27 GHz		691 pt	s		Span 80.0 MH		
Marker							
Type Ref Trc	X-value	Y-value	Function	Func	tion Result		
M1 1 T1 1	5.26479 GHz		Occ Bw	36.237337192 MHz			
				30.237337192 MH2			
	5.251823 GHz 5.288061 GHz		000 000				
	5.251823 GHz 5.288061 GHz						
				asuring 🚺			

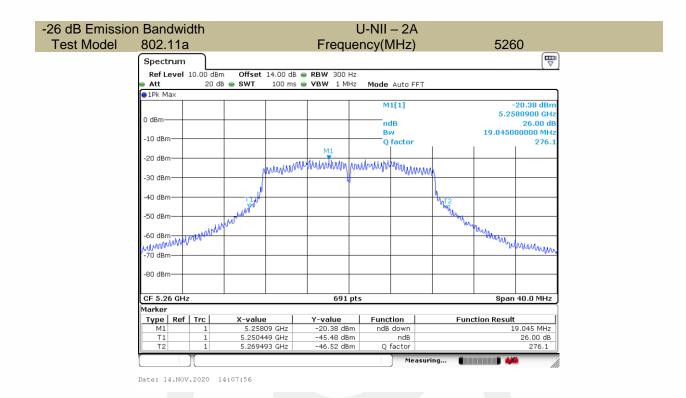




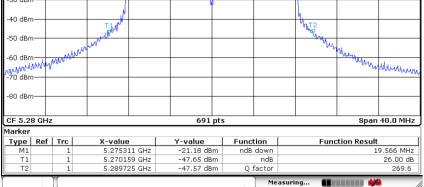
ied Bandwidt	h				U-NII –	24				
				Frequency(MHz)					0	
el <u>802.11</u> a	10 00			Frequ	iency(ivir	12)		529		
Spectrum										
Ref Level	20.00 dBm	Offset	14.00 dB	🔵 RBW 1 MH	z					
Att	20 dB	8 🖷 SWT	100 ms	😑 VBW З МН	iz Mode Aut	o Sweep)			
●1Pk Max										
			M1[1]					5.0	3.94 dBm 809910 GHz	
10 dBm	10 dBm		Oct/Bw				75.716353111 MHz			
0.40.0		T1.			Julian market	Lang I	T2			
0 dBm		Y					y			
-10 dBm				_						
-20 dBm	Labor of Kilocostalia	ww								
-30 dBm	0.00000000000						Jacob	howwww	Howman	
-30 dbiii										
-40 dBm										
-50 dBm										
-60 dBm				_						
-70 dBm										
CF 5.29 GH	z			691	pts			Span :	160.0 MHz	
Marker	1 - 1				1					
Type Ref	1 Trc	X-value 5.3099		<u>Y-value</u> 3.94 dB	Function	<u>ו</u>	Function Result			
T1						Occ Bw		75.716353111 MHz		
T2	1	5.32774	12 GHz	-1.33 dB	m					
)[Measuri	ing 🔳			
									1111	

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Test Model 802.11a Frequency(MHz) Spectrum Ref Level 10.00 dBm Offset 14.00 dB 👄 RBW 300 Hz Mode Auto FFT Att 20 dB 👄 SWT 100 ms 👄 VBW 1 MHz 1Pk Max M1[1] 0 dBr ndB Βw -10 dBm Q factor M -20 dBm mound many pour list many -30 dBm 40 dBm ЪИ ηLT -50 dBm



U-NII – 2A

5280

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-21.18 dBm 5.2753110 GHz 26.00 dB

269.

19.566000000 MHz

Date: 14.NOV.2020 14:08:35

-26 dB Emission Bandwidth

深圳信测标准技术服务股份有限公司 地址:广东省深圳市南山区马家龙工业区69栋 网址:Http://www.emtek.com.cn 邮箱:cs.rep@emtek.com.cn

EMTEK (Shenzhen) Co., Ltd. Add: Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China Http://www.emtek.com.cn E-mail: cs.rep@emtek.com.cn