

TEST REPORT

Product Name: HD SCANTOOL PRO

Model Number : HDT701, HDT711 FCC ID : 2A2KM-HDT701

Prepared for : Shenzhen New Chip Intelligence Co., LTD

Address : Suite 801-6, Building B3, Zone B, Baoneng Science and

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Report Number : ENS2109260190W00402R

Date(s) of Tests : September 26, 2021 to November 2, 2021

Date of issue: November 2, 2021



1 TEST RESULT CERTIFICATION

Applicant : Shenzhen New Chip Intelligence Co., LTD

Address : Suite 801-6, Building B3, Zone B, Baoneng Science and Technology Park,

Longgang District, Shenzhen

Manufacturer : Shenzhen New Chip Intelligence Co., LTD

Address : Suite 801-6, Building B3, Zone B, Baoneng Science and Technology Park,

Longgang District, Shenzhen

EUT : HD SCANTOOL PRO

Model Name : HDT701, HDT711

Trademark : NEWCHIP

Measurement Procedure Used:

APPLICABLE STANDARDS					
STANDARD TEST RESULT					
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 Part 15.407

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

Date of Test :	September 26, 2021 to November 2, 2021
	Feng Zhang
Prepared by :	SHENZHEN
	Feng Zhang /Editor
Reviewer :	Joe Xia
	Joe Xia /Supervisor *
Approve & Authorized Signer :	ESTING
	Lisa Wang/Manager



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2 EUT TECHNICAL DESCRIPTION

Characteristics	Description						
Product	HD SCANTOOL PRO						
Model Number	construction; the difference	HDT701, HDT711 (Note: All models are identical in circuitry and electrical, mechanical and physical construction; the difference are the appearance and model number for trading purpose, we prepared HDT701 for test.)					
Sample number	2#						
Wifi Type	☑ UNII-1: 5150MHz-5250MH☑ UNII-3 with 5725MHz-585						
WLAN Supported	⋈ 802.11n(40MHz channel b⋈ 802.11ac(20MHz channel⋈ 802.11ac(40MHz channel	 № 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) № 802.11ac(80MHz 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;						
1	☑ UNII-1: 5150MHz-5250MHz Band						
B	 ∑ 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); 				
Frequency Range	☑ UNII-3 with 5725MHz-5850MHz Band						
	 \□ 5745-5825MHz for 802.11a; \□ 5745-5825MHz for 802.11n(HT20); \□ 5745-5825MHz for 802.11ac(HT20); 		 ⊠ 5755-5795MHz for 802.11n(HT40); ⊠ 5755-5795MHz for 802.11ac(HT40); ⊠ 5775MHz for 802.11ac(HT80); 				
TPC Function	☐ Applicable		⊠ Not Applicable				
Antenna Type	Internal Antenna						
Antenna Gain	5150MHz-5250MHz: 5.32 dBi 5725MHz-5850MHz: 6.88 dBi						
Transmit Power	Output Power (Max.) for UNII-1	13.72 dBm					
Hallollill Power	Output Power (Max.) for UNII-3	8.64 dBm					
Power supply	DC 5V from Adapter DC 7.6V from internal battery	/					



Temperature Range 0°C ~ 50°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) 15.407 (e)	99% , 6dB and 26dB Bandwidth	PASS	
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) 15.207	Power Line Conducted Emission	PASS	
15.407(a) 15.203	Antenna Application	PASS	

NOTE1: N/A (Not Applicable)

Remark: The test method refers to KDB 789033 and FCC 47 CFR Part 2, Subpart J

RELATED SUBMITTAL(S) / GRANT(S):

This submittal(s) (test report) is intended for FCC ID: 2A2KM-HDT701 filing to comply with Section 15.407 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 15, Subpart E

4.2 MEASUREMENT EQUIPMENT USED

4.2.1 Conducted Emission Test Equipment

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LASTCAL.	Cal. Interval
Test Receiver	Rohde & Schwarz	ESCS30	828985/018	2021/5/15	1Year
L.I.S.N.	Schwarzbeck	NNLK8129	8129203	2021/5/15	1Year
50Ω Coaxial Switch	Anritsu	MP59B	M20531	2021/5/15	1Year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100006	2021/5/15	1Year
Voltage Probe	Rohde & Schwarz	TK9416	N/A	2021/5/15	1Year
I.S.N	Rohde & Schwarz	ENY22	1109.9508.02	2021/5/15	1Year

4.2.2 Radiated Emission Test Equipment

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	Cal. Interval
EMI Test Receiver	Rohde & Schwarz	ESU	1302.6005.26	2021/5/15	1Year
Pre-Amplifier	HP	8447D	2944A07999	2021/5/15	1Year
Bilog Antenna	Schwarzbeck	VULB9163	142	2021/5/15	1Year
Loop Antenna	ARA	PLA-1030/B	1029	2021/5/15	1Year
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170399	2021/5/15	1Year
Horn Antenna	Schwarzbeck	BBHA 9120	D143	2021/5/15	1Year
Cable	Schwarzbeck	AK9513	ACRX1	2021/5/15	1Year
Cable	Rosenberger	N/A	FP2RX2	2021/5/15	1Year
Cable	Schwarzbeck	AK9513	CRPX1	2021/5/15	1Year
Cable	Schwarzbeck	AK9513	CRRX2	2021/5/15	1Year

4.2.3 Radio Frequency Test Equipment

EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LASTCAL.	Cal. Interval
Spectrum Analyzer	Agilent	E4407B	88156318	2021/5/15	1Year
Signal Analyzer	Agilent	N9010A	My53470879	2021/5/15	1Year
Power meter	Anritsu	ML2495A	0824006	2021/5/15	1Year
Power sensor	Anritsu	MA2411B	0738172	2021/5/15	1Year
Temperature & Humidity Chamber	YINHE	SDH0525F	2003003	2021/5/15	1Year

Remark: Each piece of equipment is scheduled for calibration once a year.



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):

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

Frequency and Channel list for 802.11ac Wave2 (HT80):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210				
			4		

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

est i requericy and channer for 602. Train (11120).					
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 Wave2 (HT80):

Lowest Frequency		Middle F	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 -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):

i roquonoy una	Orialino not lor	<i>j</i> ·			
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
151	5755				
159	5795				

Frequency and Channel list for 802.11ac (HT80):

i roquontoj anta	Onamic net io	302.11d0 (11100	<i>,</i> ·		
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
155	5775				

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

Lowest Frequency		Middle F	Middle Frequency		Highest 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 Frequency		Middle Frequency		Highest 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 Frequency		Middle F	Middle Frequency		st Frequency
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
155	5775				



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

The Certificate Registration Number is L2291.

The Laboratory has been assessed and proved to be in compliance with

CNAS-CL01 (identical to ISO/IEC 17025:2017)

Accredited by FCC

Designation Number: CN1204

Test Firm Registration Number: 882943

Accredited by A2LA

The Certificate Number is 4321.01.

Accredited by Industry Canada

The Conformity Assessment Body Identifier is CN0008

Name of Firm : EMTEK (SHENZHEN) CO., LTD.

Site Location : 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:

ratus.					
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%				

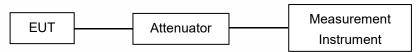
Measurement Uncertainty for a level of Confidence of 95%



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.

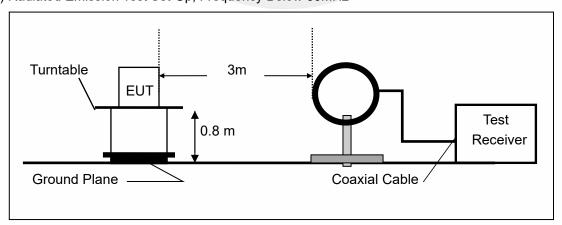
Above 30MHz:

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).

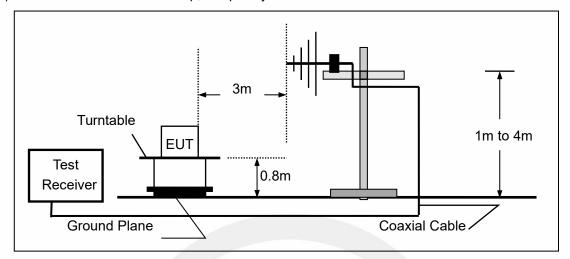
(a) Radiated Emission Test Set-Up, Frequency Below 30MHz



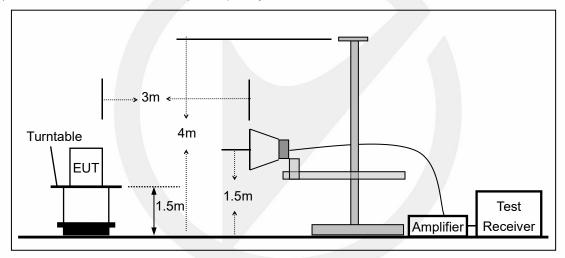
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(b) Radiated Emission Test Set-Up, Frequency Below 1000MHz



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



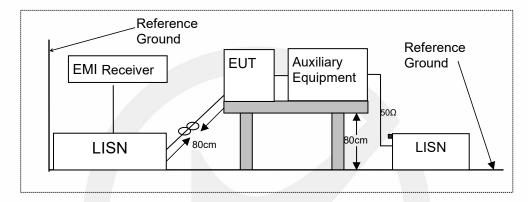


7.3 CONDUCTED EMISSION TEST SETUP

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.

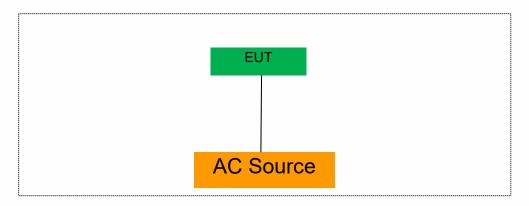
Ground connections, where required for safety purposes, shall be connected to the reference ground point of the LISN and, where not otherwise provided or specified by the manufacturer, shall be of same length as the mains cable and run parallel to the mains connection at a separation distance of not 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	1	1	1			

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

Auxiliary Equipment List and 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.



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 ≥ 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	Test Channel MHz		6 dB Bandwidth MHz	99% Bandwidth MHz	Verdict
802.11a	CH36	5180	16.341	16.595	Pass
	CH40	5200	16.352	16.575	Pass
	CH48	5240	16.348	16.546	Pass
802.11n-HT20	CH36	5180	17.537	17.680	Pass
	CH40	5200	17.535	17.677	Pass
	CH48	5240	17.547	17.675	Pass
802.11ac(HT20)	CH36	5180	17.530	17.673	Pass
	CH40	5200	17.550	17.633	Pass
	CH48	5240	17.528	17.666	Pass
802.11n-HT40	CH38	5190	35.798	36.017	Pass
	CH46	5230	35.817	36.121	Pass
802.11ac(HT40)	CH38	5190	35.792	36.039	Pass
	CH46	5230	35.822	36.057	Pass
802.11ac(HT80)	CH42	5210	75.240	75.275	Pass



99% Occupied Bandwidth U-NII - 1
Test Model 802.11a Frequency(MHz) 5180











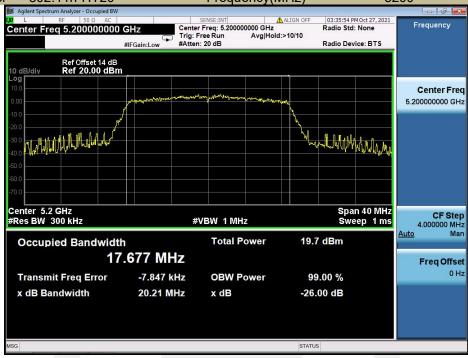




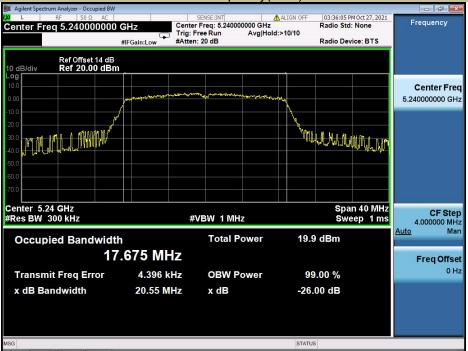




99% Occupied Bandwidth U-NII - 1
Test Model 802.11n-HT20 Frequency(MHz) 5200

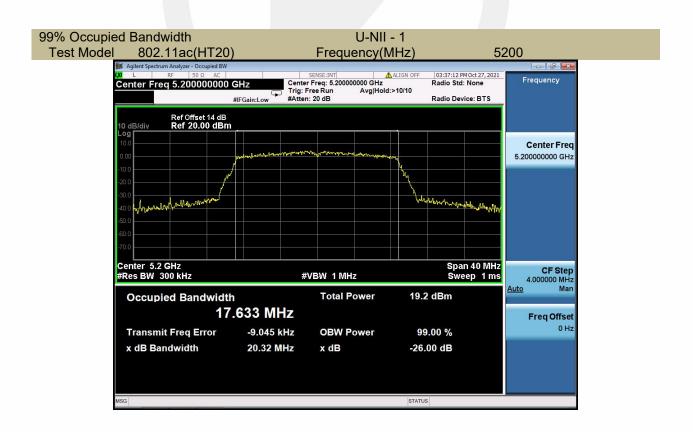








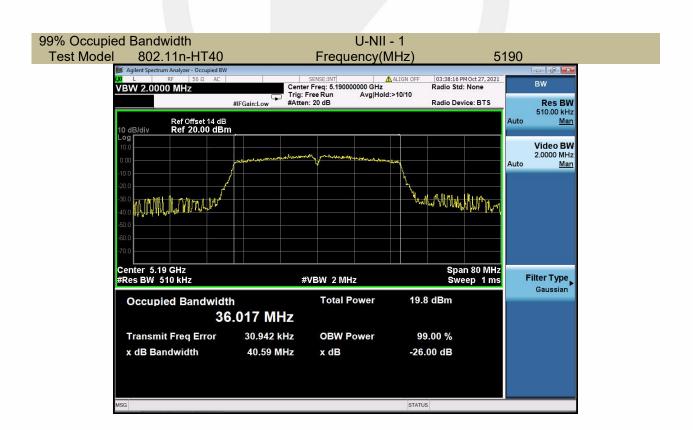








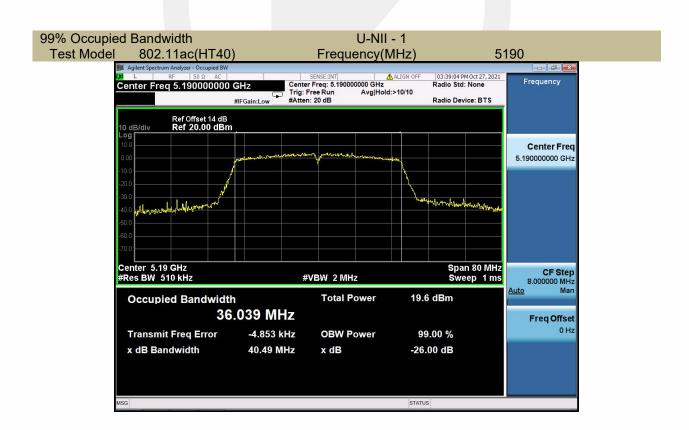








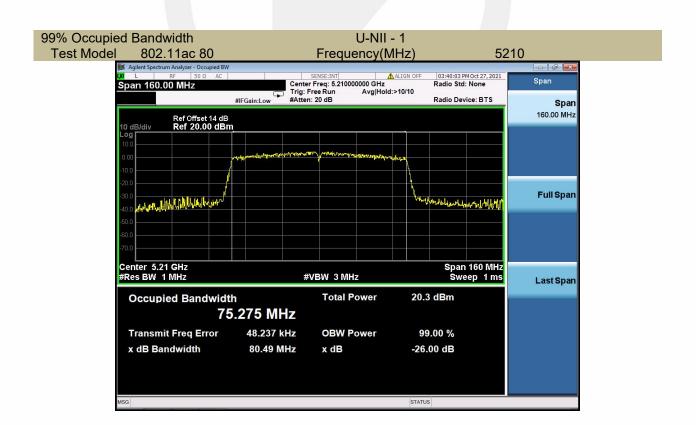












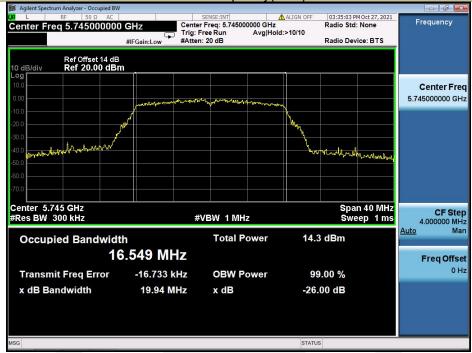


5725-5850MHz

Test Mode	Test Channel MHz		6 dB Bandwidth MHz	99% Bandwidth MHz	Limit kHz
802.11a	CH149	5745	16.338	16.549	≥500
	CH157	5785	16.374	16.623	≥500
	CH165	5825	16.350	16.529	≥500
802.11n-HT20	CH149	5745	17.532	17.645	≥500
	CH157	5785	17.541	17.610	≥500
	CH165	5825	17.529	17.602	≥500
802.11ac(HT20)	CH149	5745	17.508	17.634	≥500
	CH157	5785	17.542	17.663	≥500
	CH165	5825	17.517	17.604	≥500
802.11n-HT40	CH151	5755	35.813	36.990	≥500
	CH159	5795	35.877	36.118	≥500
802.11ac(HT40)	CH151	5755	35.792	36.022	≥500
	CH159	5795	35.889	36.096	≥500
802.11ac(HT80)	CH155	5775	75.320	75.566	≥500



99% Occupied Bandwidth U-NII - 3
Test Model 802.11a Frequency(MHz) 5745

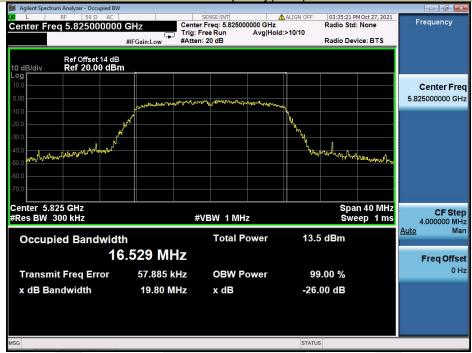








99% Occupied Bandwidth U-NII - 3
Test Model 802.11a Frequency(MHz) 5825

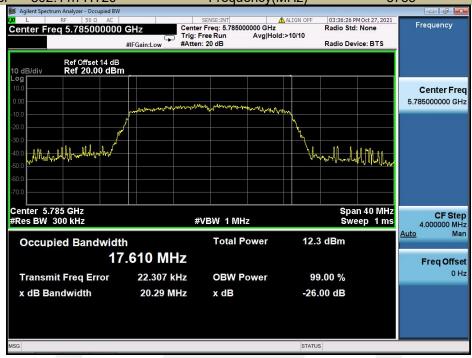


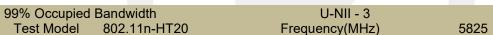


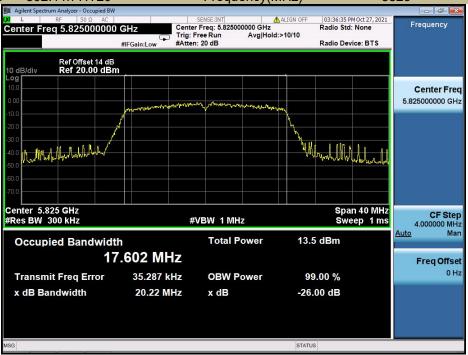




99% Occupied Bandwidth U-NII - 3
Test Model 802.11n-HT20 Frequency(MHz) 5785











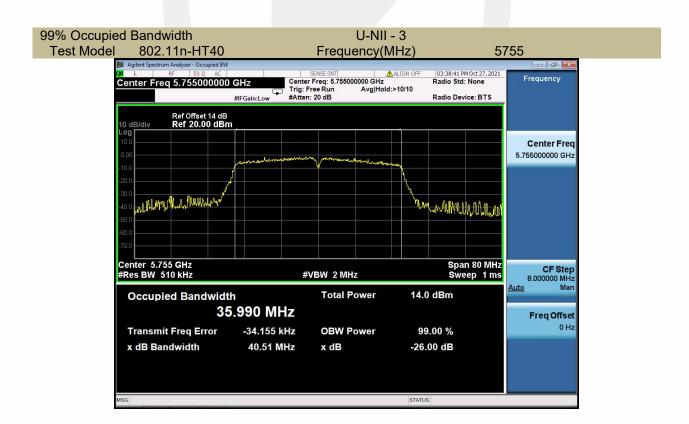




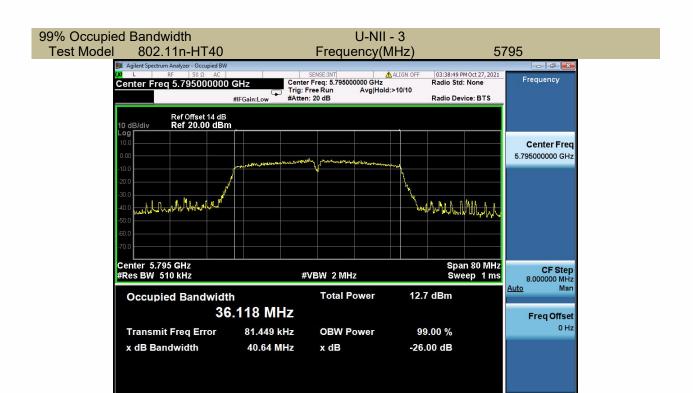


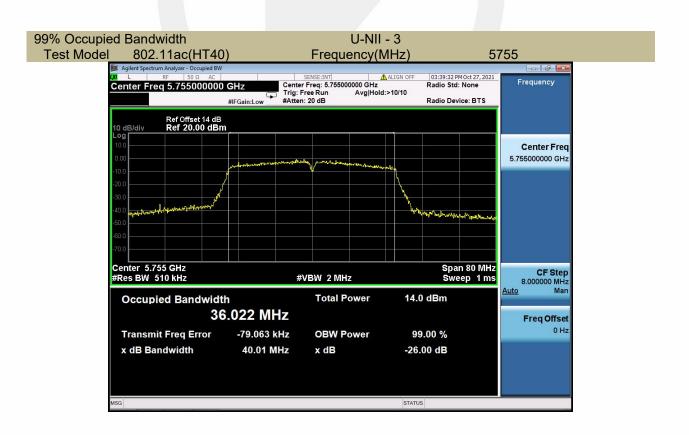






















6db Emission Bandwidth U-NII - 3
Test Model 802.11a Frequency(MHz)



6db Emission Bandwidth U-NII - 3
Test Model 802.11a Frequency(MHz) 5785





6db Emission Bandwidth U-NII - 3
Test Model 802.11a Frequency(MHz) 5825





