RF TEST REPORT

Applicant	Mobiwire SAS
FCC ID	QPN-WANETA
Product	4G Smartphone
Brand	MobiWire, ALTICE
Model	MobiWire Waneta, ALTICE S60
Report No.	RXA1707-0221RF01
Issue Date	July 27, 2017

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15E (2017)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Performed by: Xianqing Li

Approved by: Kai Xu

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TABLE OF CONTENT

Summary of measurement results

Number	Summary of measurements of results	Clause in FCC rules	Verdict
1	Average conducted output power	15.407(a)	PASS
2	Occupied bandwidth	15.407(e)	PASS
3	Frequency stability	15.407(g)	PASS
4	Maximum power spectral density	15.407(a)	PASS
5	Unwanted Emissions	15.407(b)	PASS
6	Conducted Emissions	15.207	PASS
Date of Testing: July 13, 2017 ~ July 24, 2017			

1. Test Laboratory

1.1. Notes of the test report

This report shall not be reproduced in full or partial, without the written approval of **TA technology (shanghai) co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above. This report must not be used by the client to claim product certification, approval, or endorsement by any government agencies.

1.2. Test facility

CNAS (accreditation number: L2264)

TA Technology (Shanghai) Co., Ltd. has obtained the accreditation of China National Accreditation Service for Conformity Assessment (CNAS).

FCC (recognition number is 428261)

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

IC (recognition number is 8510A)

TA Technology (Shanghai) Co., Ltd. has been listed by industry Canada to perform electromagnetic emission measurement.

VCCI (recognition number is C-4595, T-2154, R-4113, G-10766)

TA Technology (Shanghai) Co., Ltd. has been listed by industry Japan to perform electromagnetic emission measurement.

A2LA (Certificate Number: 3857.01)

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

1.3. Testing Location

Company:	TA Technology (Shanghai) Co., Ltd.
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City:	Shanghai
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E-mail:	xukai@ta-shanghai.com

2. General Description of Equipment under Test

Client Information

Applicant	Mobiwire SAS
Applicant address	79 AVENUE FRANCOIS ARAGO 92017 NANTERRE CEDEX France.
Manufacturer	Mobiwire SAS
Manufacturer address	79 AVENUE FRANCOIS ARAGO 92017 NANTERRE CEDEX France.

General information

EUT Description	
Model:	MobiWire Waneta, ALTICE S60
SN:	357585080002511
Hardware Version:	V01
Software Version:	WE552_ALTICE_S60
Power Supply:	Battery/AC adapter
Antenna Type:	Internal Antenna
Antenna Gain:	0 dBi
additional beamforming gain:	0 dB
Rated Power Supply Voltage	3.8V
Extreme Voltage	Minimum: 3.4V Maximum: 4.35V
Extreme Temperature	Lowest: -20°C Highest: +60°C
Test Mode:	U-NII-1(5150MHz-5250MHz) U-NII-2A(5250MHz-5350MHz) U-NII-3(5725MHz-5850MHz)
Modulation Type:	802.11a/n (HT20/HT40) : OFDM
Max. Conducted Power	14.84 dBm
Operating Frequency Range(s)	U-NII-1: 5150-5250MHz U-NII-2A:5250-5350MHz U-NII-3: 5725-5850MHz
EUT Accessory	
Adapter	Manufacture: Dongguan Aohai Power Technology Co. Ltd Model : A88-502000

Battery	Manufacturer: NINGBO WEKEN Battery CO,. LTD. Battery Model: 178122390
Earphone	Manufacturer: JuWei Model: JWEP0752-M01
USB cable	Manufacture: JiuJiang Juwei Electronics Co.,Ltd Model : JWBU1344-M01
Note: The information of the EUT is declared by the manufacturer.	

3. Applied Standards

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

FCC CFR47 Part 15E (2017) Unlicensed National Information Infrastructure Devices

ANSI C63.10 (2013)

KDB 789033 D02 General UNII Test Procedures New Rules v01r04

4. Test Configuration

Test Mode

The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the worst case was recorded.

In order to find the worst case condition, Pre-tests are needed at the presence of different data rate. Preliminary tests have been done on all the configuration for confirming worst case. Data rate below means worst-case rate of each test item.

Worst-case data rates are shown as following table.

Band	**Data Rate**
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0

5. Test Case Results

5.1. Occupied Bandwidth

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable.

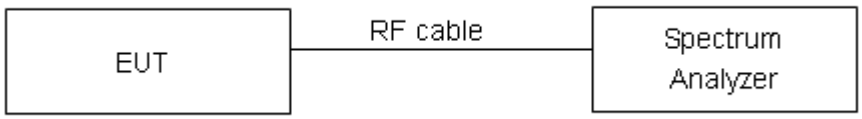
For U-NII-1, set RBW ≈1% OCB kHz, VBW ≥ 3 × RBW, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 26 dB relative to the maximum level measured in the fundamental emission.

For U-NII-3, Set RBW = 100 kHz, VBW ≥ 3 × RBW, 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.

Use the 99 % power bandwidth function of the instrument

Test Setup



Limits

Rule FCC Part §15.407(e)

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

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 936 Hz.

Test Results:

U-NII-1

Network Standards	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 26 dB bandwidth (MHz)	Limit (kHz)	Conclusion
802.11a	5180	16.669	19.72	500	PASS
	5200	16.645	20.04	500	PASS
	5240	16.566	19.47	500	PASS
802.11n HT20	5180	17.598	19.73	500	PASS
	5200	17.621	19.97	500	PASS
	5240	17.624	20.04	500	PASS
802.11n HT40	5190	35.960	39.92	500	PASS
	5230	35.972	39.84	500	PASS

U-NII-2A

Network Standards	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 26 dB bandwidth (MHz)	Limit (kHz)	Conclusion
802.11a	5260	16.636	19.56	500	PASS
	5300	16.580	19.65	500	PASS
	5320	16.699	20.94	500	PASS
802.11n HT20	5260	17.602	19.92	500	PASS
	5300	17.623	20.27	500	PASS
	5320	17.663	22.80	500	PASS
802.11n HT40	5270	35.923	39.74	500	PASS
	5310	36.012	49.99	500	PASS

U-NII-3

Network Standards	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 6 dB bandwidth (MHz)	Limit (kHz)	Conclusion
802.11a	5745	17.055	15.69	500	PASS
	5785	17.065	15.36	500	PASS
	5825	16.979	15.83	500	PASS
802.11n HT20	5745	17.924	15.10	500	PASS
	5785	17.898	15.15	500	PASS
	5825	17.901	15.16	500	PASS
802.11n HT40	5755	36.522	36.36	500	PASS
	5795	36.695	36.36	500	PASS

Antenna 1

U-NII-1, 802.11a

Carrier frequency (MHz): 5180

U-NII-1, 802.11n HT20

Carrier frequency (MHz): 5180

U-NII-1, 802.11a

Carrier frequency (MHz): 5200

U-NII-1, 802.11n HT20

Carrier frequency (MHz): 5200

U-NII-1, 802.11a

Carrier frequency (MHz):5240

U-NII-1, 802.11n HT20

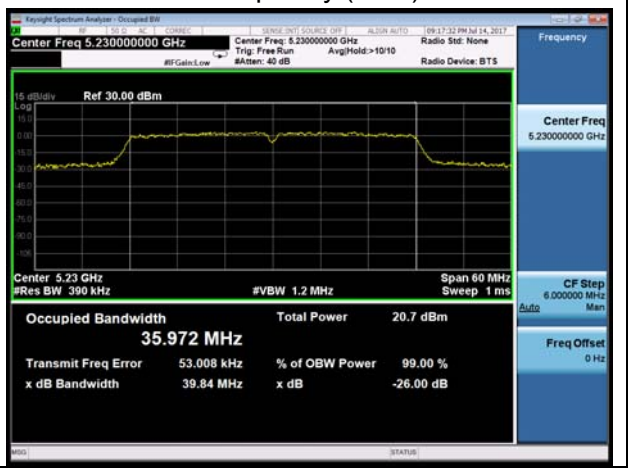
Carrier frequency (MHz):5240

U-NII-1, 802.11n HT40

Carrier frequency (MHz): 5190

U-NII-1, 802.11n HT40

Carrier frequency (MHz): 5230



U-NII-2A, 802.11a

Carrier frequency (MHz): 5260

U-NII-2A, 802.11n HT20

Carrier frequency (MHz): 5260

U-NII-2A, 802.11a

Carrier frequency (MHz): 5300

U-NII-2A, 802.11n HT20

Carrier frequency (MHz): 5300

U-NII-2A, 802.11a

Carrier frequency (MHz):5320

U-NII-2A, 802.11n HT20

Carrier frequency (MHz):5320

U-NII-2A, 802.11n HT40

Carrier frequency (MHz): 5270

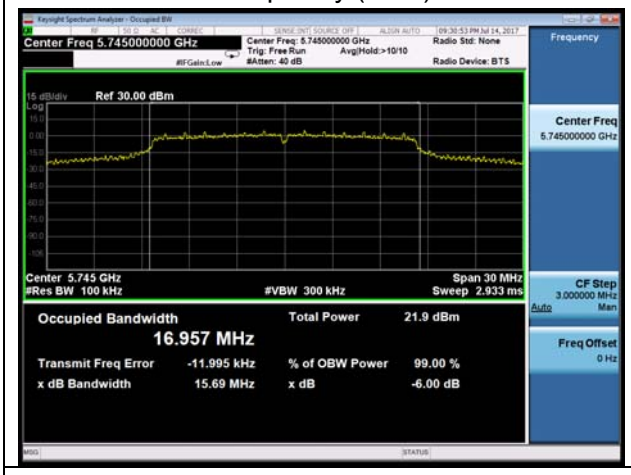
U-NII-2A, 802.11n HT40

Carrier frequency (MHz): 5310

Minimum 6 dB bandwidth

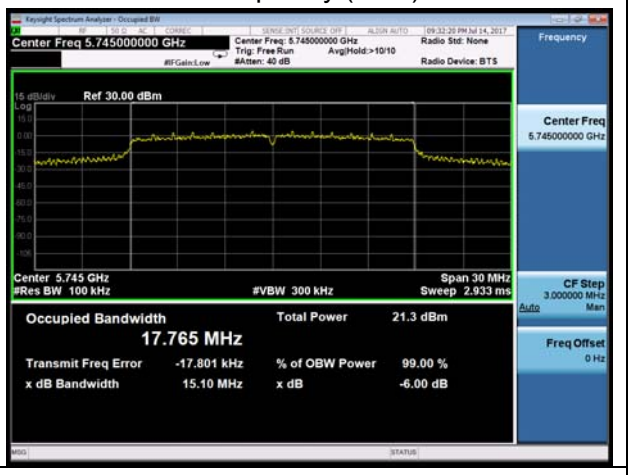
U-NII-3, 802.11a

Carrier frequency (MHz): 5745



U-NII-3, 802.11n HT20

Carrier frequency (MHz): 5745

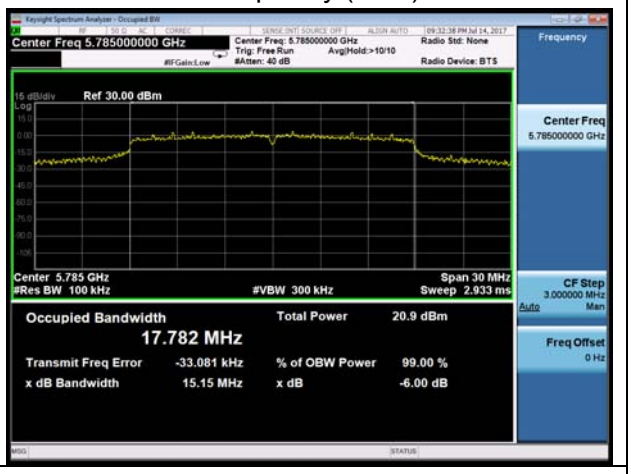


U-NII-3, 802.11a

Carrier frequency (MHz): 5785

U-NII-3, 802.11n HT20

Carrier frequency (MHz): 5785



U-NII-3, 802.11a

Carrier frequency (MHz): 5825

U-NII-3, 802.11n HT20

Carrier frequency (MHz): 5825

U-NII-3, 802.11n HT40
Carrier frequency (MHz): 5755

U-NII-3, 802.11n HT40
Carrier frequency (MHz): 5795

99% bandwidth

U-NII-3, 802.11a
Carrier frequency (MHz): 5745

U-NII-3, 802.11n HT20
Carrier frequency (MHz): 5745

U-NII-3, 802.11a
Carrier frequency (MHz): 5785

U-NII-3, 802.11n HT20
Carrier frequency (MHz): 5785

U-NII-3, 802.11a

Carrier frequency (MHz): 5825

U-NII-3, 802.11n HT20

Carrier frequency (MHz): 5825

U-NII-3, 802.11n HT40

Carrier frequency (MHz): 5755

U-NII-3, 802.11n HT40

Carrier frequency (MHz): 5795

5.2. Average Power Output –Conducted

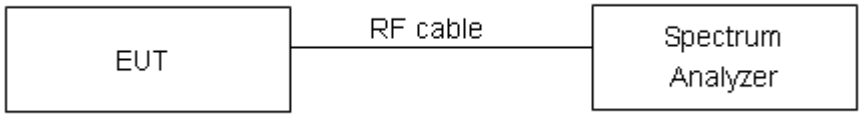
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

During the process of the testing, The EUT was connected to the average power meter through an external attenuator and a known loss cable. The EUT is max power transmission with proper modulation. We use Maximum average Conducted Output Power Level Method in KDB789033 for this test

Test Setup



Limits

Rule FCC Part 15.407(a)(1)(2)(3)

For 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.

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.

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.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 0.44 dB.

Test Results

Single Antenna Power Index											
Packet Type	**CH36**	**CH40**	**CH48**	**CH52**	**CH60**	**CH64**	**CH100**	**CH116**	**CH140**	**CH157**	**CH165**
802.11a	17	17	17	17	17	17	17	17	17	17	17
802.11n HT20	17	17	17	17	17	17	17	17	17	17	17
Packet Type	**CH38**	**CH46**	**CH54**	**CH62**	**CH102**	**CH110**	**CH134**	**CH151**	**CH159**	/	/
802.11n HT40	17	17	17	17	17	17	17	17	17	/	/

Network Standards		Channel/Frequency (MHz)	B=26 dB bandwidth (MHz)	Limit 11 dBm + 10 log B (dBm)	Final Limit(dBm)
U-NII-2A	802.11a	52/5260	19.56	23.91<24	23.91
		60/5300	19.65	23.93<24	23.93
		64/5320	20.94	24.21>24	24
	802.11n HT20	52/5260	19.92	23.99<24	23.99
		60/5300	20.27	24.07>24	24
		64/5320	22.80	24.58>24	24
	802.11n HT40	54/5270	39.74	26.99>24	24
		62/5310	49.99	27.99>24	24
Note: 250mW=24dBm					

Test results

U-NII-1

Network Standards	Channel/ Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Conclusion
802.11a	36/5180	14.52	24	PASS
	40/5200	14.16	24	PASS
	48/5240	14.08	24	PASS
802.11n HT20	36/5180	14.28	24	PASS
	40/5200	14.09	24	PASS
	48/5240	14.04	24	PASS
802.11n HT40	38/5190	14.84	24	PASS
	46/5230	14.64	24	PASS

U-NII-2A

Network Standards	Channel/ Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Conclusion
802.11a	52/5260	14.49	23.91	PASS
	60/5300	14.13	23.93	PASS
	64/5320	14.07	24	PASS
802.11n HT20	52/5260	14.23	23.99	PASS
	60/5300	14.20	24	PASS
	64/5320	14.23	24	PASS
802.11n HT40	54/5270	14.82	24	PASS
	62/5310	14.51	24	PASS

U-NII-3

Network Standards	Channel/ Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Conclusion
802.11a	149/5745	8.45	24	PASS
	157/5785	9.49	24	PASS
	165/5825	8.59	24	PASS
802.11n HT20	149/5745	9.33	24	PASS
	157/5785	9.44	24	PASS
	165/5825	8.24	24	PASS
802.11n HT40	151/5755	9.41	24	PASS
	159/5795	9.52	24	PASS

U-NII-1, 802.11a, Channel No.: 36

U-NII-1, 802.11n HT20, Channel No.: 36

U-NII-1, 802.11a, Channel No.: 44

U-NII-1, 802.11n HT20, Channel No.: 44

U-NII-1, 802.11a, Channel No.: 48

U-NII-1, 802.11n HT20, Channel No.: 48

U-NII-1, 802.11n HT40, Channel No.: 38

U-NII-1, 802.11n HT40, Channel No.: 46

U-NII-2A, 802.11a, Channel No.: 52

U-NII-2A, 802.11n HT20, Channel No.: 52

U-NII-2A, 802.11a, Channel No.: 60

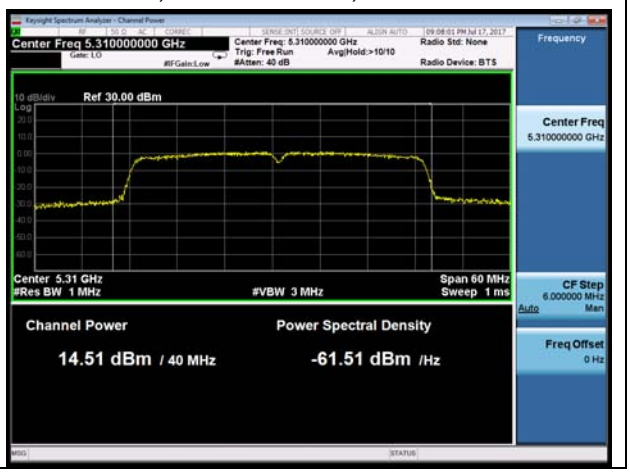
U-NII-2A, 802.11n HT20, Channel No.: 60

U-NII-2A, 802.11a, Channel No.: 64

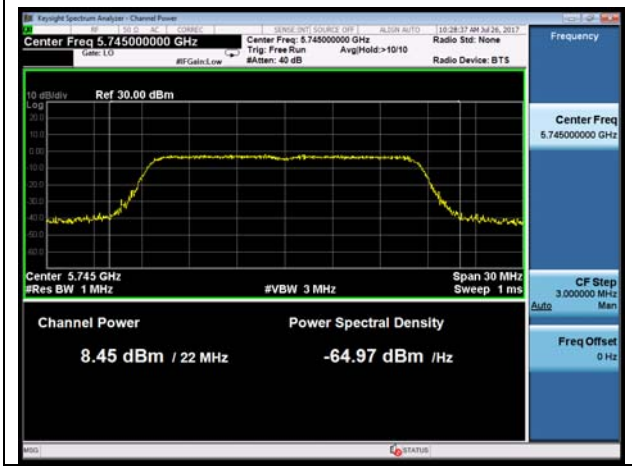
U-NII-2A, 802.11n HT20, Channel No.: 64

U-NII-2A, 802.11n HT40, Channel No.: 54

U-NII-2A, 802.11n HT40, Channel No.: 62



U-NII-3, 802.11a, Channel No.: 149



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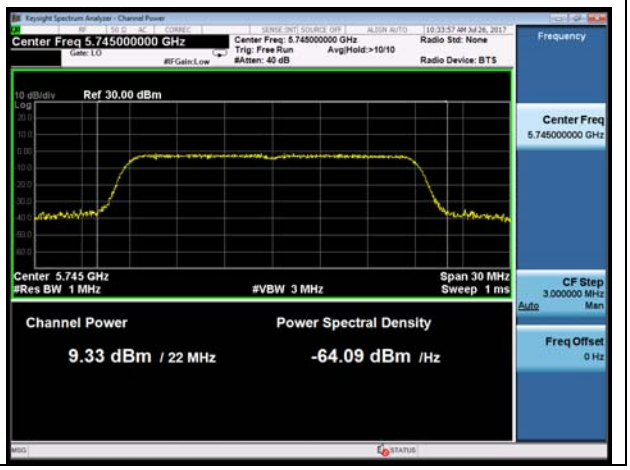
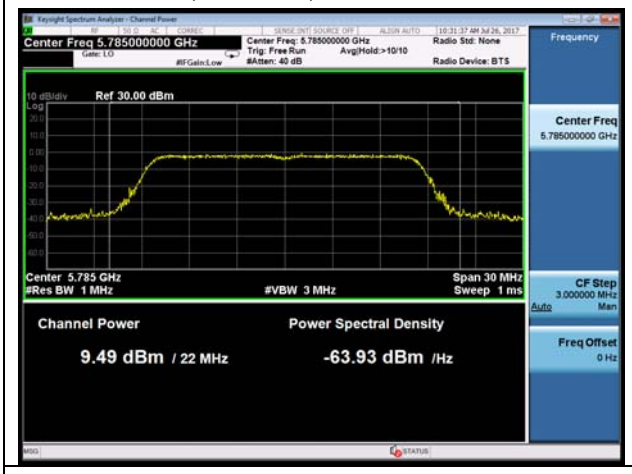


U-NII-3, 802.11a, Channel No.: 157



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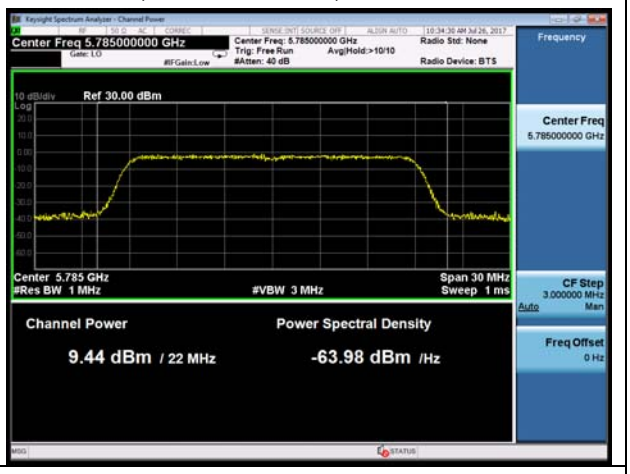
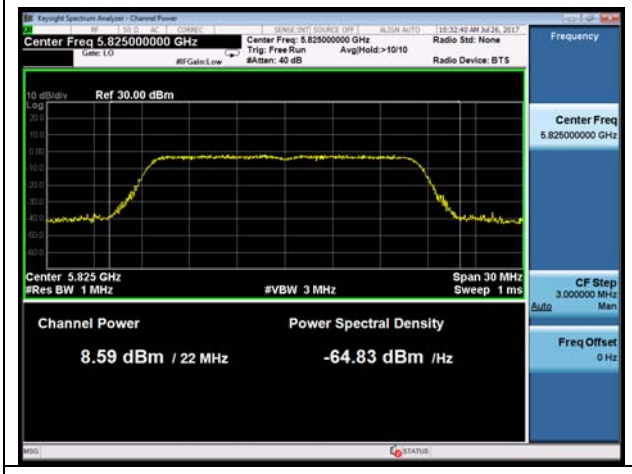
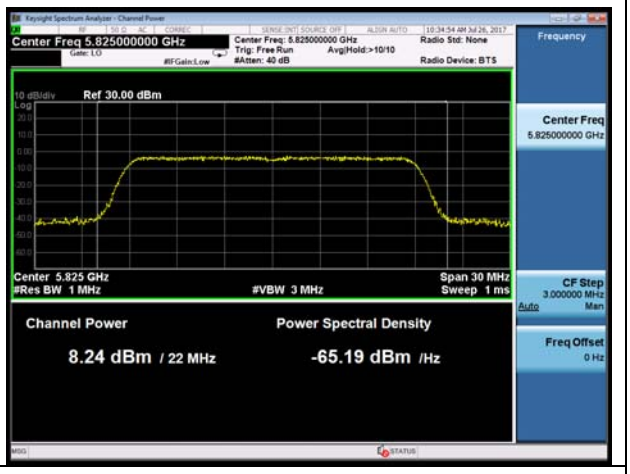


U-NII-3, 802.11a, Channel No.: 165

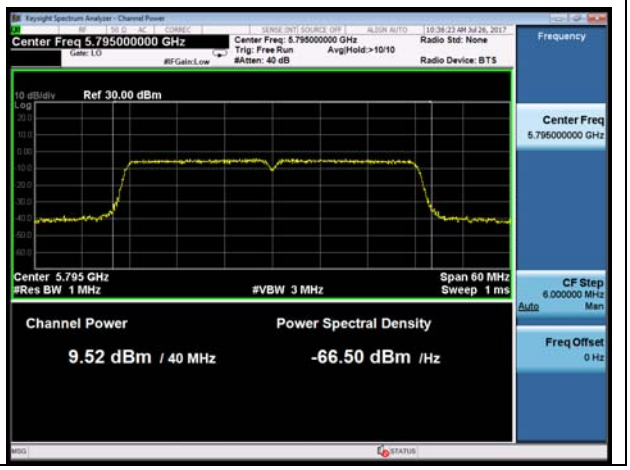


U-NII-3, 802.11n HT20, Channel No.: 165



U-NII-3, 802.11n HT40, Channel No.: 151

U-NII-3, 802.11n HT40, Channel No.: 159



5.3. Frequency Stability

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

1. Frequency stability with respect to ambient temperature

a) Supply the EUT with a nominal ac voltage or install a new or fully charged battery in the EUT. If possible, a dummy load shall be connected to the EUT because an antenna near the metallic walls of an environmental test chamber could affect the output frequency of the EUT. If the EUT is equipped with a permanently attached, adjustable-length antenna, then the EUT shall be placed in the center of the chamber with the antenna adjusted to the shortest length possible. Turn ON the EUT and tune it to one of the number of frequencies shown in 5.6.

b) Couple the unlicensed wireless device output to the measuring instrument by connecting an antenna to the measuring instrument with a suitable length of coaxial cable and placing the measuring antenna near the EUT (e.g., 15 cm away), or by connecting a dummy load to the measuring instrument, through an attenuator if necessary.

c) Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).

d) Turn the EUT OFF and place it inside the environmental temperature chamber. For devices that have oscillator heaters, energize only the heater circuit.

e) Set the temperature control on the chamber to the highest specified in the regulatory requirements for the type of device and allow the oscillator heater and the chamber temperature to stabilize.

f) While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.

g) Measure the frequency at each of frequencies specified in 5.6.

h) Switch OFF the EUT but do not switch OFF the oscillator heater.

i) Lower the chamber temperature by not more that 10 C, and allow the temperature inside the chamber to stabilize.

j) Repeat step f) through step i) down to the lowest specified temperature.

2. Frequency stability when varying supply voltage

Unless otherwise specified, these tests shall be made at ambient room temperature (+15 C to +25 C). An antenna shall be connected to the antenna output terminals of the EUT if possible. If the EUT is equipped with or uses an adjustable-length antenna, then it shall be fully extended.

a) Supply the EUT with nominal voltage or install a new or fully charged battery in the EUT. Turn ON the EUT and couple its output to a frequency counter or other frequency-measuring instrument.

b) Tune the EUT to one of the number of frequencies required in 5.6. Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).
c) Measure the frequency at each of the frequencies specified in 5.6.
d) Repeat the above procedure at 85% and 115% of the nominal supply voltage.

Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 936Hz

Test Results

Voltage (V)	Temperature (°C)	U-NII-1 Test Results			
		5200MHz			
		1min	2min	5min	10min
5.00	-20	5199.99	5199.982	5199.976	5199.969
5.00	-10	5199.994	5199.976	5199.972	5199.968
5.00	0	5199.991	5199.973	5199.964	5199.963
5.00	10	5199.989	5199.968	5199.958	5199.959
5.00	20	5199.986	5199.967	5199.953	5199.951
5.00	30	5199.983	5199.958	5199.951	5199.942
5.00	40	5199.978	5199.95	5199.947	5199.937
5.00	50	5199.968	5199.946	5199.944	5199.935
4.75	20	5199.961	5199.943	5199.938	5199.934
5.25	20	5199.955	5199.935	5199.929	5199.928
MHz		-0.04455	-0.06527	-0.07065	-0.07165
PPM		-8.56826	-12.551	-13.5862	-13.7787

Voltage (V)	Temperature (°C)	U-NII-2A Test Results			
		5300MHz			
		1min	2min	5min	10min
5.00	-20	5300.006	5300.003	5299.996	5299.987
5.00	-10	5300.001	5299.994	5299.986	5299.983
5.00	0	5299.992	5299.991	5299.985	5299.975
5.00	10	5299.987	5299.99	5299.982	5299.968
5.00	20	5299.986	5299.983	5299.979	5299.966
5.00	30	5299.983	5299.978	5299.978	5299.966
5.00	40	5299.982	5299.971	5299.975	5299.965
5.00	50	5299.974	5299.961	5299.97	5299.958
4.75	20	5299.97	5299.954	5299.961	5299.949
5.25	20	5299.963	5299.947	5299.955	5299.947
MHz		-0.03679	-0.05333	-0.04506	-0.05261
PPM		-6.94211	-10.0617	-8.50252	-9.92659

Voltage (V)	Temperature (°C)	U-NII-3 Test Results			
		5785MHz			
		1min	2min	5min	10min
5.00	-20	5785.001	5784.993	5784.991	5784.987
5.00	-10	5784.998	5784.989	5784.982	5784.981
5.00	0	5784.99	5784.979	5784.976	5784.979
5.00	10	5784.983	5784.979	5784.968	5784.977
5.00	20	5784.975	5784.976	5784.966	5784.967
5.00	30	5784.968	5784.97	5784.961	5784.96
5.00	40	5784.963	5784.97	5784.951	5784.952
5.00	50	5784.961	5784.961	5784.943	5784.948
4.75	20	5784.955	5784.957	5784.938	5784.946
5.25	20	5784.952	5784.955	5784.937	5784.943
MHz		-0.04822	-0.04529	-0.06324	-0.05713
PPM		-8.33618	-7.82953	-10.9312	-9.87501

5.4. Power Spectral Density

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

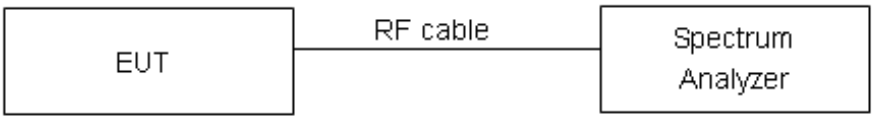
The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable.

Set RBW = 500 kHz, VBW =1.5MHz for the band 5.725-5.85 GHz

Set RBW = 1 MHz, VBW =3MHz for the band 5.150-5.250 GHz

The conducted PSD is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically.

Test setup



Limits

Rule FCC Part 15.407(a)(1)/ Part 15.407(a)(2) / Part 15.407(a)(3)
For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 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.
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, 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.
For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmittingantennas 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.

Frequency Bands/MHz	Limits
5150-5250	17dBm/MHz
5.25-5.35 GHz and 5.47-5.725 GHz	11dBm/MHz
5725-5850	30dBm/500kHz

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 0.75dB.

Test Results:

U-NII-1

Network Standards	Channel Number	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	36	3.561	17	PASS
	40	3.536	17	PASS
	48	3.610	17	PASS
802.11n HT20	36	3.946	17	PASS
	40	3.500	17	PASS
	48	3.429	17	PASS
802.11n HT40	38	0.789	17	PASS
	46	0.587	17	PASS

U-NII-2A

Network Standards	Channel Number	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	52	4.018	11	PASS
	60	3.804	11	PASS
	64	3.970	11	PASS
802.11n HT20	52	3.633	11	PASS
	60	3.905	11	PASS
	64	3.860	11	PASS
802.11n HT40	54	0.946	11	PASS
	62	0.556	11	PASS

U-NII-3

Network Standards	Channel Number	Power Spectral Density (dBm/500kHz)	Limit (dBm/500kHz)	Conclusion
802.11a	149	-2.911	30	PASS
	157	-1.730	30	PASS
	165	-2.212	30	PASS
802.11n HT20	149	-1.653	30	PASS
	157	-2.648	30	PASS
	165	-2.799	30	PASS
802.11n HT40	151	-7.753	30	PASS
	159	-7.974	30	PASS

U-NII-1, 802.11a, Channel No.: 36

U-NII-1, 802.11n HT20, Channel No.: 36

U-NII-1, 802.11a, Channel No.: 44

U-NII-1, 802.11n HT20, Channel No.: 44

U-NII-1, 802.11a, Channel No.: 48

U-NII-1, 802.11n HT20, Channel No.: 48