FCC 47 CFR PART 15 SUBPART E

Product Type	:	Rugged Tablet PC
Applicant	:	Handheld Group AB
Address	:	Kinnegatan 17, 53133 , Lidköping , Sweden
Trade Name	:	handheld
Model Number	:	ALGIZ 10XB, ALGIZ 10XBxxx (x=0~9, A~Z, a~z or blank or slash; for marketing purpose only and no impact safety related constructions and critical components)
Test Specification	:	FCC 47 CFR PART 15 SUBPART E: Oct., 2013 Canada RSS-210 ISSUE 8: Dec., 2010 Canada RSS-Gen ISSUE 4: Nov., 2014 ANSI C63.10-2009 ANSI C63.4:2014 CISPR 16-1-4:2010
Application Purpose	:	Original
Receive Date	:	Dec. 25, 2014
Test Period	:	Dec. 26, 2014 ~ Jan. 05, 2015
Issue Date	:	Jan. 27, 2015

Issue by

A Test Lab Techno Corp.
No. 140-1, Changan Street, Bade City,
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Taiwan Accreditation Foundation accreditation number: 1330

Revision History

Rev.	Issue Date	Revisions	Revised By
00	Jan. 27, 2015	Initial Issue	

Verification of Compliance

Issued Date: 01/27/2015

Product Type	:	Rugged Tablet PC
Applicant	:	Handheld Group AB
Address	:	Kinnegatan 17, 53133 , Lidköping , Sweden
Trade Name	:	handheld
Model Number	:	ALGIZ 10XB, ALGIZ 10XBxxx (x=0~9, A~Z, a~z or blank or slash; for marketing purpose only and no impact safety related constructions and critical components)
FCC ID	:	YY3-ALGIZ10XB
EUT Rated Voltage	:	DC 19V, 3.42A
Test Voltage	:	120 Vac / 60 Hz
Applicable Standard	:	FCC 47 CFR PART 15 SUBPART E: Oct., 2013 Canada RSS-210 ISSUE 8: Dec., 2010 Canada RSS-Gen ISSUE 4: Nov., 2014 ANSI C63.10-2009 ANSI C63.4:2014 CISPR 16-1-4:2010
Test Result	:	Complied
Application Purpose	:	Original
Performing Lab.	:	A Test Lab Techno Corp. No. 140-1, Changan Street, Bade City, Taoyuan County 334, Taiwan R.O.C. Tel：+86-3-2710188 / Fax：+86-3-2710190 Taiwan Accreditation Foundation accreditation number: 1330 http://www.atl-lab.com.tw/e-index.htm

A Test Lab Techno Corp. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by A Test Lab Techno Corp. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By	:	Fly Lu	Reviewed By	: Eric Ou Yang
(Manager)		(Fly Lu)	(Testing Engineer)	(Eric Ou Yang)

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1 General Information

1.1. Summary of Test Result

Standard		Item	Result	Remark
FCC	IC			
15.407(b)(6) 15.207	RSS-Gen 8.8	AC Power Conducted Emission	PASS	---
---	RSS-Gen 7.1	Receiver Radiated Emissions	PASS	---
---	RSS-Gen 6.6	99 % Occupied Bandwidth	PASS	-----
15.407(b) 15.205 / 15.209	RSS-210 A9.2	Transmitter Radiated Emissions	PASS	---
15.407(a)	RSS-210 A9.2	Maximum Conducted Output Power	PASS	---
15.407(a)	RSS-210 A9.2	26dB RF Bandwidth	Reference	---
15.407(a)	RSS-A8.2 (a)	6dB RF Bandwidth	PASS	-----
15.407(a)	RSS-210 A9.2	Peak Power Spectral Density	PASS	---
15.407(g)	RSS-210 A9.5	Frequency Stability	PASS	---
15.407(a) 15.203	RSS-210 A9.2	Antenna Requirement	PASS	---

The test results of this report relate only to the tested sample(s) identified in this report. Manufacturer or whom it may concern should recognize the pass or fail of the test result.

1.2. Measurement Uncertainty

Measurement Item	Frequency Range		Uncertainty (dB)
Conducted Emission	9kHz ~ 30MHz		± 2.020
Radiated Emission	30MHz ~ 1000MHz	Horizontal	± 3.960
		Vertical	± 3.570
	1000MHz ~ 18000MHz	Horizontal	± 3.072
		Vertical	± 3.028
	18000MHz ~ 40000MHz	Horizontal	± 3.622
		Vertical	± 3.506

2 EUT Description

Product Type	Rugged Tablet PC			
Trade Name	handheld			
Model No.	ALGIZ 10XB, ALGIZ 10XBxxx (x=0~9, A~Z, a~z or blank or slash; for marketing purpose only and no impact safety related constructions and critical components)			
Applicant	Handheld Group AB Kinnegatan 17, 53133 , Lidköping , Sweden			
Manufacturer	Handheld Group AB Kinnegatan 17, 53133 , Lidköping , Sweden			
FCC ID	YY3-ALGIZ10XB			
Frequency Range	Band	Mode	Frequency Range (MHz)	Number of Channels
	U-NII Band I	IEEE 802.11a	5180 – 5240	4 Channels
		IEEE 802.11n 20 MHz	5180 – 5240	4 Channels
		IEEE 802.11n 40 MHz	5190 – 5230	2 Channels
		IEEE 802.11ac 80 MHz	5210	1 Channels
	U-NII Band II-A	IEEE 802.11a	5260 – 5320	4 Channels
		IEEE 802.11n 20 MHz	5260 – 5320	4 Channels
		IEEE 802.11n 40 MHz	5270 – 5310	2 Channels
		IEEE 802.11ac 80 MHz	5290	1 Channels
	U-NII Band II-C	IEEE 802.11a	5500 – 5700	8 Channels
		IEEE 802.11n 20 MHz	5500 – 5700	8 Channels
		IEEE 802.11n 40 MHz	5510 – 5670	4 Channels
		IEEE 802.11ac 80 MHz	5530 – 5690	2 Channels
	U-NII Band III	IEEE 802.11a	5745 – 5825	5 Channels
		IEEE 802.11n 20 MHz	5745 – 5825	5 Channels
		IEEE 802.11n 40 MHz	5755 – 5795	2 Channels
		IEEE 802.11ac 80 MHz	5775	1 Channels
	*The 5600 – 5650MHz can not be used in Canada.			
Modulation Type	OFDM			
Antenna Used	Antenna	Type	Max. Gain	
	Main	Internal Antenna	2.92 dBi	
	Aux	Internal Antenna	2.42 dBi	
Antenna Delivery	1TX + 1RX			

RF Output Power	IEEE 802.11a U-NII Band I : 0.024 W / 13.82 dBm
	IEEE 802.11a U-NII Band II-A : 0.022 W / 13.44 dBm
	IEEE 802.11a U-NII Band II-C : 0.020 W / 12.94 dBm
	IEEE 802.11a U-NII Band III : 0.020 W / 12.93 dBm
	IEEE 802.11n 20MHz U-NII Band I: 0.022 W / 13.42 dBm
	IEEE 802.11n 20MHz U-NII Band II-A: 0.021 W / 13.18 dBm
	IEEE 802.11n 20MHz U-NII Band II-C: 0.018 W / 12.67 dBm
	IEEE 802.11n 20MHz U-NII Band III: 0.016 W / 12.12 dBm
	IEEE 802.11n 40MHz U-NII Band I: 0.018 W / 12.53 dBm
	IEEE 802.11n 40MHz U-NII Band II-A: 0.016 W / 12.03 dBm
	IEEE 802.11n 40MHz U-NII Band II-C: 0.019 W / 12.89 dBm
	IEEE 802.11n 40MHz U-NII Band III: 0.017 W / 12.25 dBm
	IEEE 802.11ac 80MHz U-NII Band I: 0.017 W / 12.31 dBm
	IEEE 802.11ac 80MHz U-NII Band II-A: 0.016 W / 12.13 dBm
	IEEE 802.11ac 80MHz U-NII Band II-C: 0.018 W / 12.60 dBm
	IEEE 802.11ac 80MHz U-NII Band III: 0.015 W / 11.81 dBm
99 % Occupied Bandwidth	IEEE 802.11a U-NII Band I : 18.42MHz
	IEEE 802.11a U-NII Band II-A : 18.48MHz
	IEEE 802.11a U-NII Band II-C : 18.35MHz
	IEEE 802.11a U-NII Band III : 16.53MHz
	IEEE 802.11n 20MHz U-NII Band I: 19.27MHz
	IEEE 802.11n 20MHz U-NII Band II-A: 19.31MHz
	IEEE 802.11n 20MHz U-NII Band II-C: 19.32MHz
	IEEE 802.11n 20MHz U-NII Band III: 17.73MHz
	IEEE 802.11n 40MHz U-NII Band I: 36.20MHz
	IEEE 802.11n 40MHz U-NII Band II-A: 36.12MHz
	IEEE 802.11n 40MHz U-NII Band II-C: 36.10MHz
	IEEE 802.11n 40MHz U-NII Band III: 35.79MHz
	IEEE 802.11ac 80MHz U-NII Band I: 74.57MHz
	IEEE 802.11ac 80MHz U-NII Band II-A: 74.65MHz
	IEEE 802.11ac 80MHz U-NII Band II-C: 74.45MHz
	IEEE 802.11ac 80MHz U-NII Band III: 74.79MHz

Emission Designator	IEEE 802.11a U-NII Band I : 18M4D1D
	IEEE 802.11a U-NII Band II-A : 18M5 D1D
	IEEE 802.11a U-NII Band II-C : 18M4D1D
	IEEE 802.11a U-NII Band III : 16M5D1D
	IEEE 802.11n 20MHz U-NII Band I: 19M3D1D
	IEEE 802.11n 20MHz U-NII Band II-A: 19M3D1D
	IEEE 802.11n 20MHz U-NII Band II-C: 19M3D1D
	IEEE 802.11n 20MHz U-NII Band III: 17M7D1D
	IEEE 802.11n 40MHz U-NII Band I: 36M2D1D
	IEEE 802.11n 40MHz U-NII Band II-A: 36M1D1D
	IEEE 802.11n 40MHz U-NII Band II-C: 36M1D1D
	IEEE 802.11n 40MHz U-NII Band III: 35M8D1D
	IEEE 802.11ac 80MHz U-NII Band I: 74M6D1D
	IEEE 802.11ac 80MHz U-NII Band II-A: 74M7D1D
	IEEE 802.11ac 80MHz U-NII Band II-C: 74M5D1D
	IEEE 802.11ac 80MHz U-NII Band III: 74M8D1D

3 Test Methodology

3.1. Mode of Operation

Decision of Test ATL has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Test Mode
Mode 1: Normal Operation Mode
Mode 2: IEEE 802.11a Link Mode
Mode 3: IEEE 802.11n 20MHz Link Mode
Mode 4: IEEE 802.11n 40MHz Link Mode
Mode 5: IEEE 802.11ac 80MHz Link Mode
Mode 6: Receiver Mode

Software used to control the EUT for staying in continuous transmitting mode was programmed.
After verification, all tests were carried out with the worst case test modes as shown below except radiated spurious emission below 1GHz and power line conducted emissions below 30MHz, which worst case was in normal link mode only.

Test Mode	Band	Data Rate	Test Channel
IEEE 802.11a Link Mode	U-NII Band I	6M	36, 44, 48
	U-NII Band II-A		52, 56, 64
	U-NII Band II-C		100, 116, 140
	U-NII Band III		149, 157, 165
IEEE 802.11n 20MHz Link Mode	U-NII Band I	6.5M	36, 44, 48
	U-NII Band II-A		52, 56, 64
	U-NII Band II-C		100, 116, 140
	U-NII Band III		149, 157, 165
IEEE 802.11n 40MHz Link Mode	U-NII Band I	13.5M	38, 46
	U-NII Band II-A		54, 62
	U-NII Band II-C		102, 110, 134
	U-NII Band III		151, 159
IEEE 802.11ac 80MHz Link Mode	U-NII Band I	29.3M	42
	U-NII Band II-A		58
	U-NII Band II-C		106, 138
	U-NII Band III		155

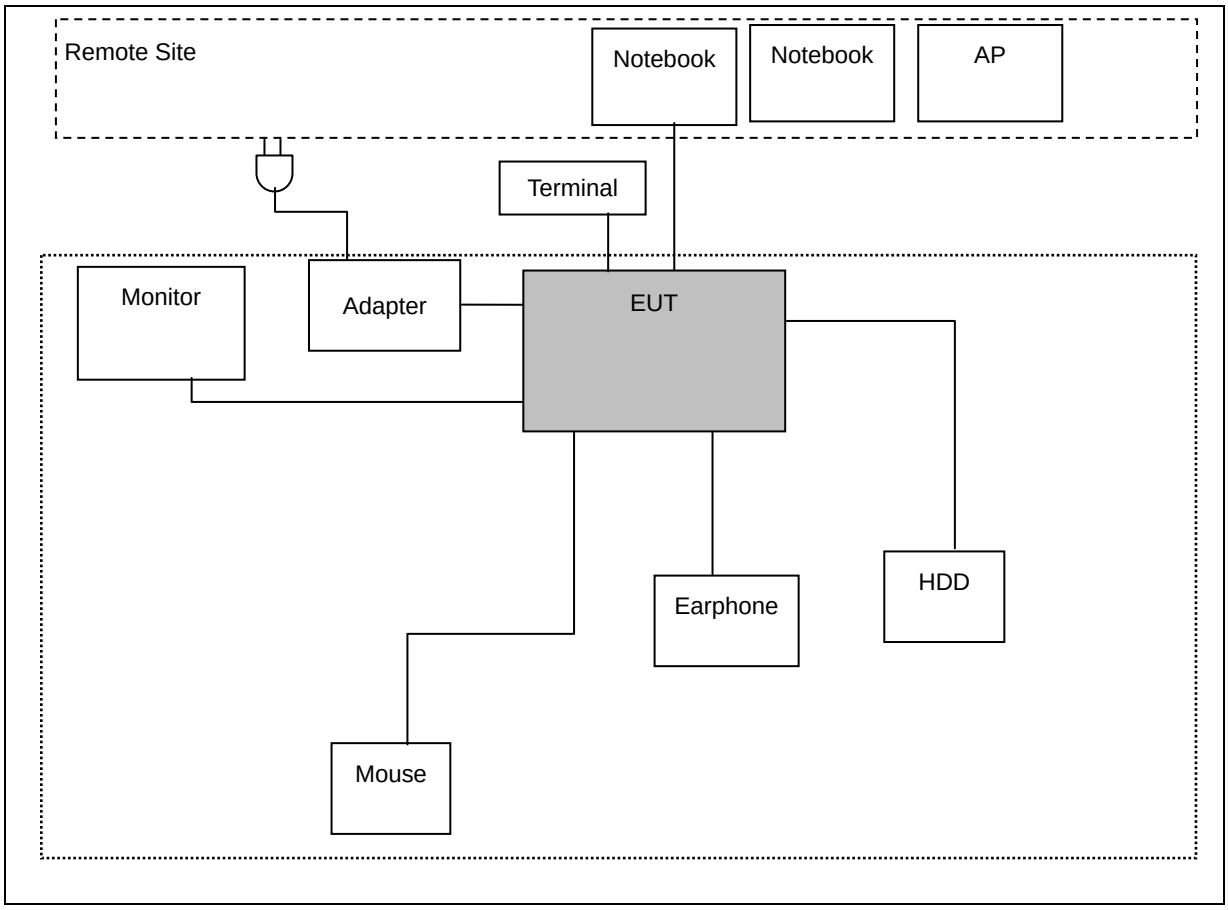
3.2. EUT Exercise Software

The EUT is operated in the engineering mode to fix the TX frequency for the purposes of measurement.
According to its specifications, the EUT must comply with the requirements of Section 15.407 under the FCC Rules Part 15 Subpart E.

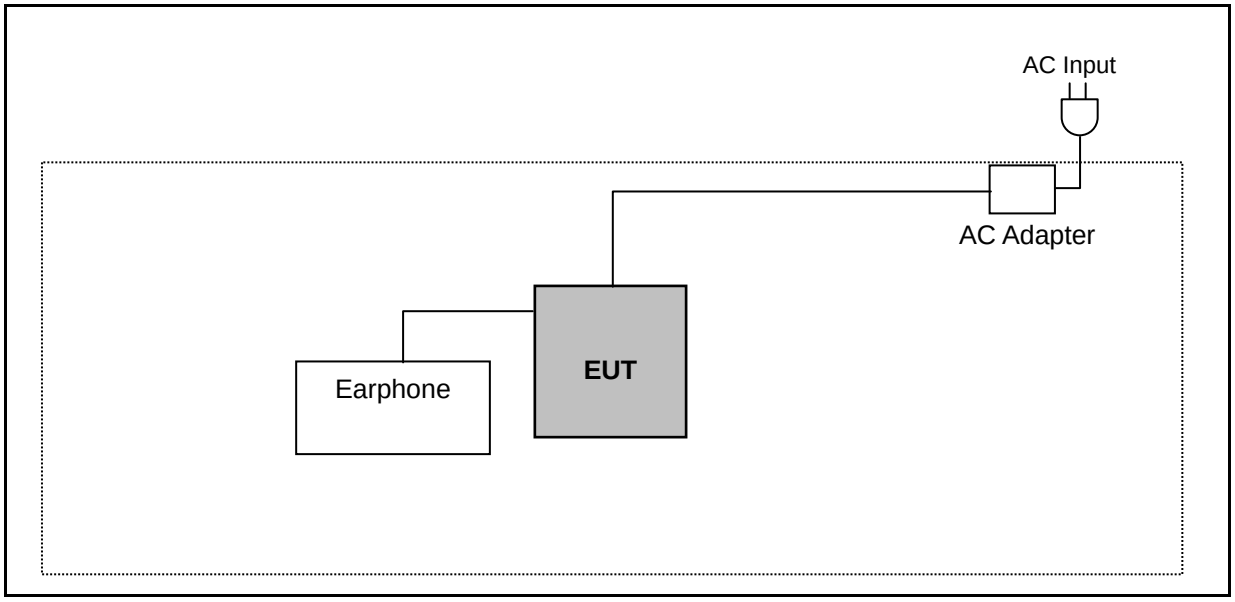
1.	Setup the EUT shown on 3.3.
2.	Turn on the power of all equipment.
3.	Turn on Wi-Fi function link to Notebook.
4.	EUT run test program.

3.3. Configuration of Test System Details

Conducted Emission



Radiated Emission



3.4. Test Site Environment

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	26
Humidity (%RH)	25-75	60
Barometric pressure (mbar)	860-1060	950

4 AC Power Conducted Emission Measurement

4.1. Limit

Frequency (MHz)	Quasi-peak	Average
0.15 - 0.5	66 to 56	56 to 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

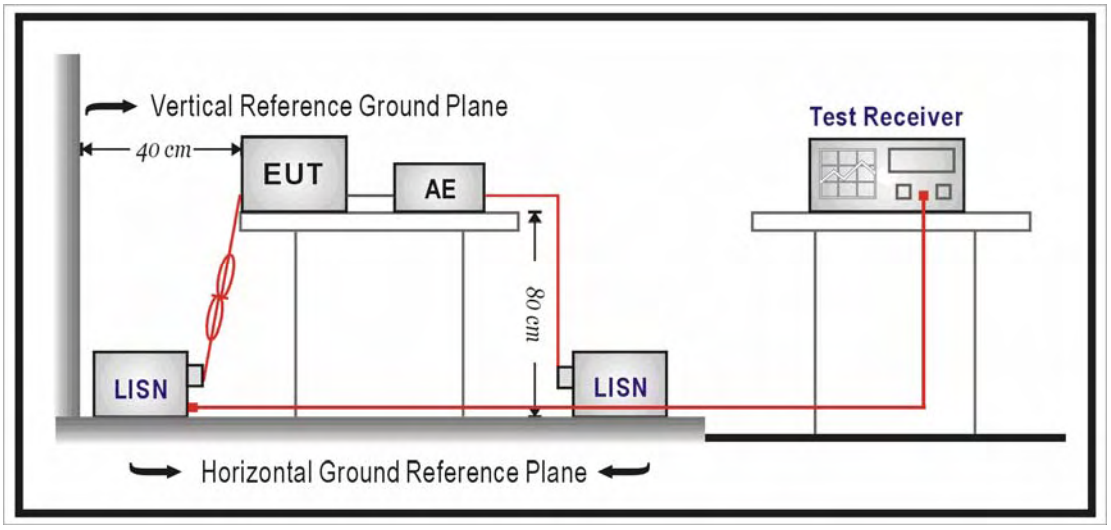
4.2. Test Instruments

Describe	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Test Receiver	R&S	ESCI	100367	06/12/2014	(1)
LISN	R&S	ENV216	101040	03/07/2014	(1)
LISN	R&S	ENV216	101041	03/07/2014	(1)
Test Site	ATL	TE05	TE05	N.C.R.	-----

Remark: (1) Calibration period 1 year. (2) Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

4.3. Test Setup



4.4. Test Procedure

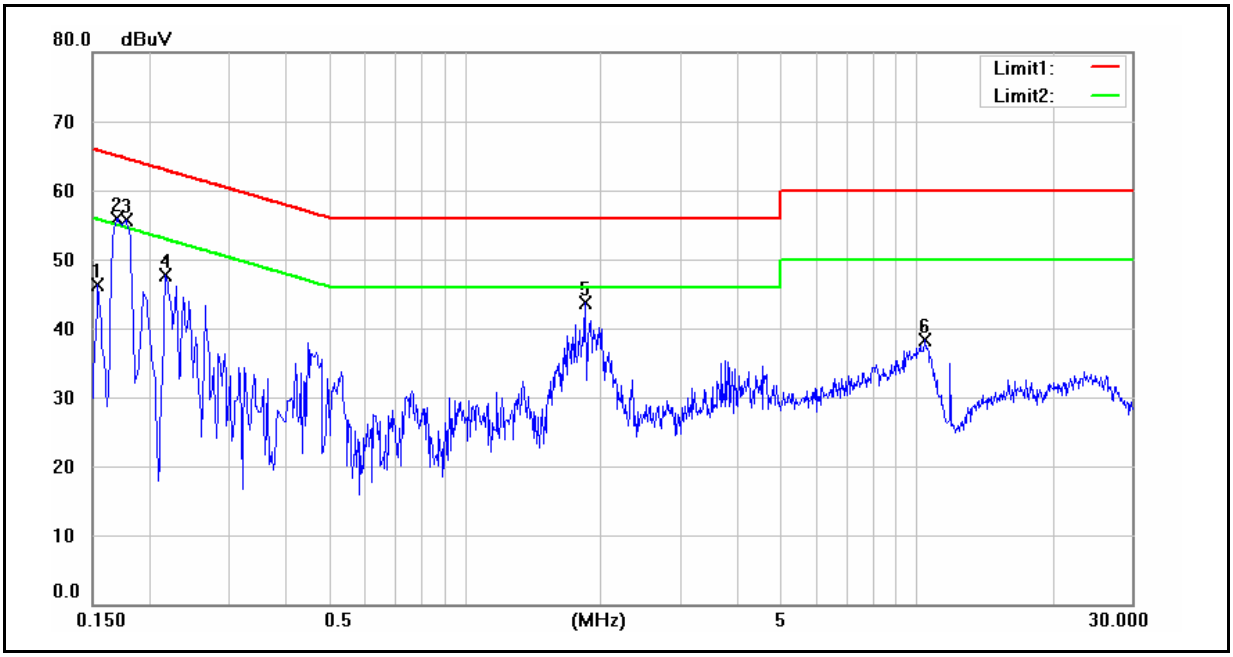
The power line conducted emission measurements were performed in a shielded enclosure. The EUT was assembled on a wooden table which is 80 centimeters high, was placed 40 centimeters from the back wall and at least 1 meter from the sidewall.

Power was fed to the EUT from the public utility power grid through a line filter and EMCO Model 3162/2 SH Line Impedance Stabilization Networks (LISN). The LISN housing, measuring instrumentation case, ground plane, etc., were electrically bonded together at the same RF potential. The Spectrum analyzer was connected to the AC line through an isolation transformer. The 50-ohm output of the LISN was connected to the spectrum analyzer directly. Conducted emission levels were in the CISPR quasi-peak detection mode. The analyzer's 6 dB bandwidth was set to 9 KHz. No post-detector video filter was used.

The spectrum was scanned from 150 KHz to 30 MHz. The physical arrangement of the test system and associated cabling was varied (within the scope of arrangements likely to be encountered in actual use) to determine the effect on the unit's emanations in amplitude and frequency. All spurious emission frequencies were observed. The highest emission amplitudes relative to the appropriate limit were measured and have been recorded in paragraph 4.1.

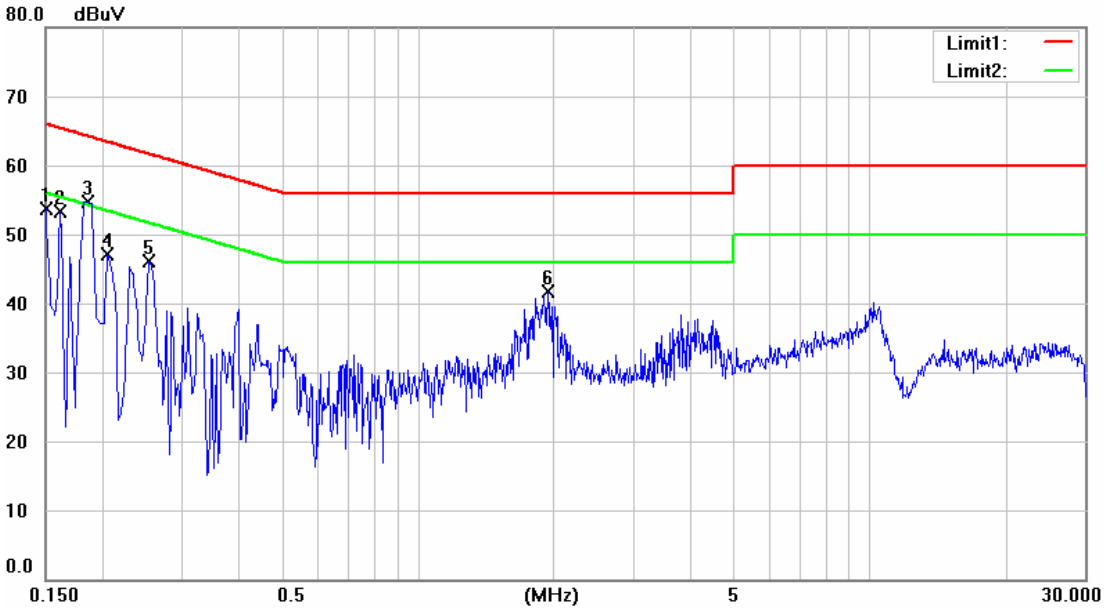
4.5. Test Result

Standard:	FCC Part 15E	Line:	L1
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 1	Date:	12/26/2014
		Test By:	Eric Ou Yang
Description:			



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1540	34.39	11.65	9.60	43.99	21.25	65.78	55.78	-21.79	-34.53	Pass
2	0.1700	36.10	11.85	9.60	45.70	21.45	64.96	54.96	-19.26	-33.51	Pass
3	0.1780	38.28	17.40	9.60	47.88	27.00	64.58	54.58	-16.70	-27.58	Pass
4	0.2180	30.34	9.18	9.60	39.94	18.78	62.89	52.89	-22.95	-34.11	Pass
5	1.8500	28.89	19.72	9.68	38.57	29.40	56.00	46.00	-17.43	-16.60	Pass
6	10.4660	22.77	17.23	9.97	32.74	27.20	60.00	50.00	-27.26	-22.80	Pass

Standard:	FCC Part 15E	Line:	N
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 1	Date:	12/26/2014
		Test By:	Eric Ou Yang
Description:			



No.	Frequency (MHz)	QP reading (dBuV)	AVG reading (dBuV)	Correction factor (dB)	QP result (dBuV)	AVG result (dBuV)	QP limit (dBuV)	AVG limit (dBuV)	QP margin (dB)	AVG margin (dB)	Remark
1	0.1500	38.54	13.61	9.59	48.13	23.20	66.00	56.00	-17.87	-32.80	Pass
2	0.1620	35.91	10.20	9.60	45.51	19.80	65.36	55.36	-19.85	-35.56	Pass
3	0.1860	43.60	26.49	9.60	53.20	36.09	64.21	54.21	-11.01	-18.12	Pass
4	0.2060	38.21	16.71	9.60	47.81	26.31	63.37	53.37	-15.56	-27.06	Pass
5	0.2540	33.39	17.54	9.61	43.00	27.15	61.63	51.63	-18.63	-24.48	Pass
6	1.9460	25.80	18.00	9.70	35.50	27.70	56.00	46.00	-20.50	-18.30	Pass

5 Radiated Emission Measurement

5.1. Limit

Limits of Radiated Emission Measurement

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

Frequency Range (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	10	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

Note: 1. The lower limit shall apply at the transition frequencies.

2. Emission level (dBuV/m) = 20 log Emission level (uV/m).

3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

5.2. Test Instruments

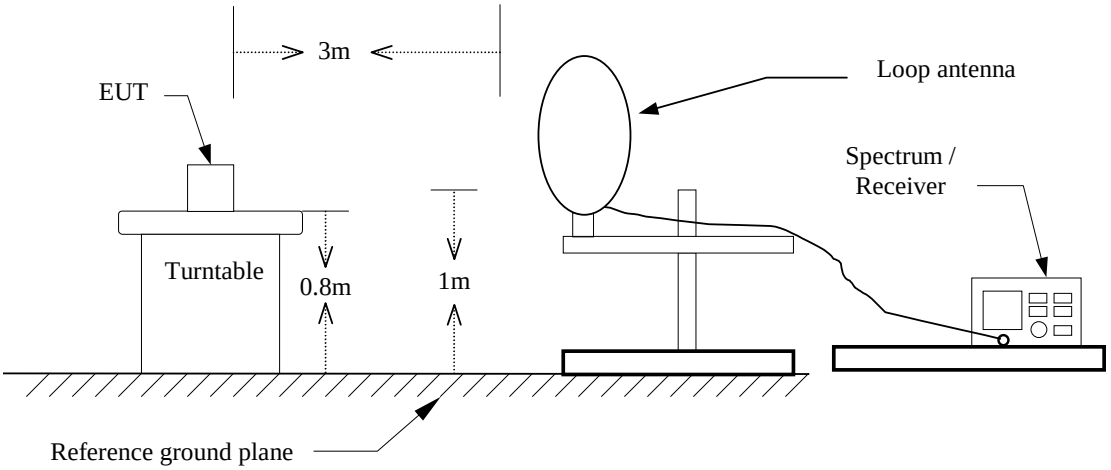
3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	01/10/2014	(1)
Spectrum Analyzer	Agilent	E4446A	MY46180578	01/10/2014	(1)
Pre Amplifier	Agilent	8449B	3008A02237	02/21/2014	(1)
Pre Amplifier	Agilent	8447D	2944A10961	02/21/2014	(1)
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	07/18/2014	(1)
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/11/2014	(1)
Horn Antenna (18~40GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	06/13/2014	(1)
Test Site	ATL	TE01	888001	08/28/2013	(1)

Remark: (1) Calibration period 1 year. (2) Calibration period 2 years.

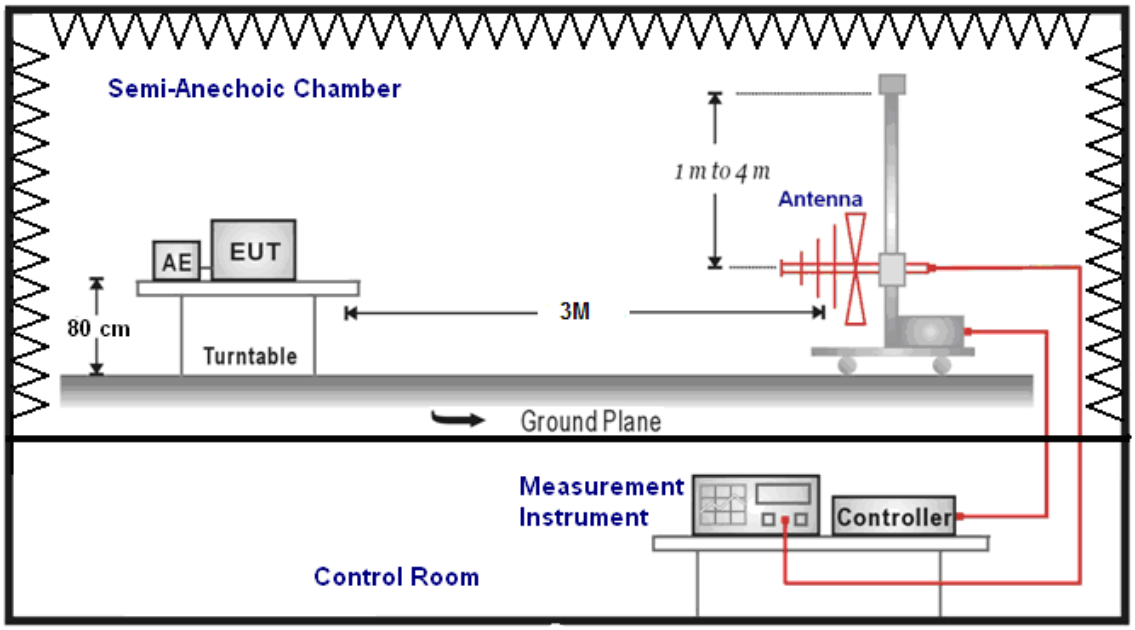
Note: N.C.R. = No Calibration Request.

5.3. Setup

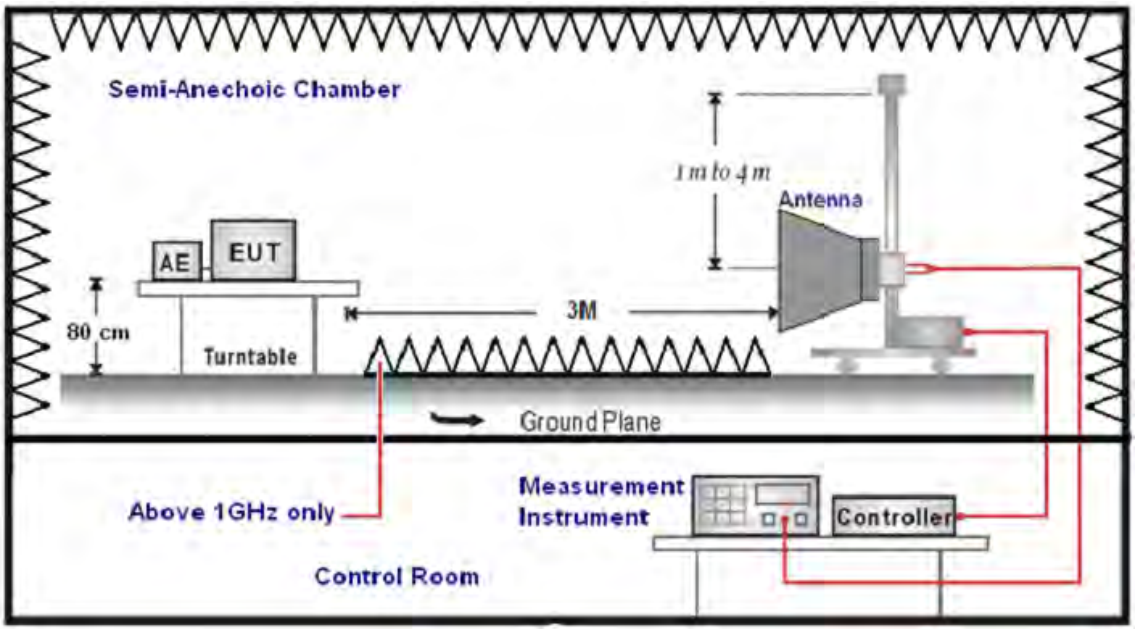
9kHz ~ 30MHz



30MHz ~ 1GHz



Above 1GHz


Semi-Anechoic Chamber
1 m to 4 m
Antenna
AE
EUT
80 cm
Turntable
3M
Ground Plane
Above 1GHz only
Measurement
Instrument
Controller
Control Room

5.4. Test Procedure

Final radiation measurements were made on a three-meter, Semi Anechoic Chamber. The EUT system was placed on a nonconductive turntable which is 0.8 meters height, top surface 1.0 x 1.5 meter. The spectrum was examined from 250 MHz to 2.5 GHz in order to cover the whole spectrum below 10th harmonic which could generate from the EUT. During the test, EUT was set to transmit continuously & Measurements spectrum range from 9 kHz to 40 GHz is investigated.

For measurements below 1 GHz the resolution bandwidth is set to 100 kHz for peak detection measurements or 120 kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, and then the video bandwidth is set to 3 MHz for peak measurements and 3 MHz for average measurements.

A nonconductive material surrounded the EUT to supporting the EUT for standing on tree orthogonal planes. At each condition, the EUT was rotated 360 degrees, and the antenna was raised and lowered from one to four meters to find the maximum emission levels. Measurements were taken using both horizontal and vertical antenna polarization.

SCHWARZBECK MESS-ELEKTRONIK Trilog-Broadband Antenna (mode SB AC VULB) at 3 Meter and the ETS-Lindgren Double-Ridged Waveguide Horn antnna (model 3117) Schwarzbeck Mess-Elektronik Broadband Horn Antenna (BBHA 9170) was used in frequencies 1 – 40 GHz at a distance of 1 meter. All test results were extrapolated to equivalent signal at 3 meters utilizing an inverse linear distance extrapolation Factor (20dB/decade).

For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

Appropriate preamplifiers were used for improving sensitivity and precautions were taken to avoid overloading or desensitizing the spectrum analyzer. No post – detector video filters were used in the test.

The spectrum analyzer's 6 dB bandwidth was set to 1 MHz, and the analyzer was operated in the peak detection mode, for frequencies both below and up 1 GHz. The average levels were obtained by subtracting the duty cycle correction factor from the peak readings.

The following procedures were used to convert the emission levels measured in decibels referenced to 1 microvolt (dBuV) into field intensity in micro volts pre meter (uV/m).

The actual field intensity in decibels referenced to 1 microvolt in to field intensity in micro colts per meter (dBuV/m).

The actual field is intensity in referenced to 1 microvolt per meter (dBuV/m) is determined by algebraically adding the measured reading in dBuV, the antenna factor (dB), and cable loss (dB) and Subtracting the gain of preamplifier (dB) is auto calculate in spectrum analyzer.

(1) Amplitude (dBuV/m) = FI (dBuV) +AF (dBuV) +CL (dBuV)-Gain (dB)
FI= Reading of the field intensity.
AF= Antenna factor.
CL= Cable loss.
P.S Amplitude is auto calculate in spectrum analyzer.

(2) Actual Amplitude (dBuV/m) = Amplitude (dBuV)-Dis(dB)
The FCC specified emission limits were calculated according the EUT operating frequency and by following linear interpolation equations:
(a) For fundamental frequency : Transmitter Output < +30dBm
(b) For spurious frequency : Spurious emission limits = fundamental emission limit /10

5.5. Test Result

Below 1GHz

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 1	Date:	12/31/2014
		Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
192.0000	36.11	-14.24	21.87	43.50	-21.63	QP	H
289.0000	32.16	-10.84	21.32	46.00	-24.68	QP	H
399.0000	30.45	-8.51	21.94	46.00	-24.06	QP	H
576.0000	27.86	-4.93	22.93	46.00	-23.07	QP	H
672.0000	31.18	-3.12	28.06	46.00	-17.94	QP	H
787.0000	29.57	-0.73	28.84	46.00	-17.16	QP	H
170.5000	30.07	-12.39	17.68	43.50	-25.82	QP	V
310.0000	25.36	-10.32	15.04	46.00	-30.96	QP	V
494.5000	25.81	-6.66	19.15	46.00	-26.85	QP	V
645.5000	26.44	-3.58	22.86	46.00	-23.14	QP	V
755.5000	25.12	-1.29	23.83	46.00	-22.17	QP	V
928.5000	24.65	2.19	26.84	46.00	-19.16	QP	V

Note: No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz).

Above 1GHz

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	12/30/2014
Frequency:	5180MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2827.000	37.08	-0.94	36.14	74.00	-37.86	peak	H
4605.000	33.93	4.05	37.98	74.00	-36.02	peak	H
5150.000	34.38	5.28	39.66	68.20	-28.54	peak	H
7671.000	33.31	11.76	45.07	74.00	-28.93	peak	H
2827.000	38.12	-0.94	37.18	74.00	-36.82	peak	V
4598.000	34.08	4.04	38.12	74.00	-35.88	peak	V
5150.000	34.40	5.28	39.68	68.20	-28.52	peak	V
7643.000	34.65	11.72	46.37	74.00	-27.63	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	12/30/2014
Frequency:	5220MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2827.000	38.22	-0.94	37.28	74.00	-36.72	peak	H
4591.000	34.21	4.01	38.22	74.00	-35.78	peak	H
7657.000	33.90	11.74	45.64	74.00	-28.36	peak	H
2813.000	37.82	-0.98	36.84	74.00	-37.16	peak	V
4591.000	34.58	4.01	38.59	74.00	-35.41	peak	V
7650.000	33.99	11.74	45.73	74.00	-28.27	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	12/30/2014
Frequency:	5240MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2799.000	37.82	-1.01	36.81	74.00	-37.19	peak	H
4577.000	33.94	3.98	37.92	74.00	-36.08	peak	H
5250.000	33.49	5.43	38.92	68.20	-29.28	peak	H
7643.000	33.27	11.72	44.99	74.00	-29.01	peak	H
2799.000	38.71	-1.01	37.70	74.00	-36.30	peak	V
4598.000	35.16	4.04	39.20	74.00	-34.80	peak	V
5250.000	33.61	5.43	39.04	68.20	-29.16	peak	V
7678.000	32.72	11.77	44.49	74.00	-29.51	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	12/30/2014
Frequency:	5260MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2813.000	38.15	-0.98	37.17	74.00	-36.83	peak	H
4570.000	33.37	3.97	37.34	74.00	-36.66	peak	H
5250.000	34.00	5.43	39.43	68.20	-28.77	peak	H
7671.000	31.95	11.76	43.71	74.00	-30.29	peak	H
2813.000	38.03	-0.98	37.05	74.00	-36.95	peak	V
4570.000	33.79	3.97	37.76	74.00	-36.24	peak	V
5250.000	32.72	5.43	38.15	68.20	-30.05	peak	V
7671.000	33.05	11.76	44.81	74.00	-29.19	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	12/30/2014
Frequency:	5280MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2827.000	37.26	-0.94	36.32	74.00	-37.68	peak	H
4619.000	33.98	4.10	38.08	74.00	-35.92	peak	H
7650.000	33.70	11.74	45.44	74.00	-28.56	peak	H
2813.000	37.86	-0.98	36.88	74.00	-37.12	peak	V
4591.000	34.50	4.01	38.51	74.00	-35.49	peak	V
7678.000	32.98	11.77	44.75	74.00	-29.25	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	12/30/2014
Frequency:	5320MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2799.000	37.62	-1.01	36.61	74.00	-37.39	peak	H
4577.000	33.70	3.98	37.68	74.00	-36.32	peak	H
5350.000	33.32	5.57	38.89	68.20	-29.31	peak	H
7643.000	32.55	11.72	44.27	74.00	-29.73	peak	H
2813.000	37.23	-0.98	36.25	74.00	-37.75	peak	V
4591.000	34.64	4.01	38.65	74.00	-35.35	peak	V
5350.000	33.17	5.57	38.74	68.20	-29.46	peak	V
7671.000	31.96	11.76	43.72	74.00	-30.28	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	12/31/2014
Frequency:	5500MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2813.000	36.30	-0.98	35.32	74.00	-38.68	peak	H
4626.000	33.82	4.10	37.92	74.00	-36.08	peak	H
5470.000	33.11	5.75	38.86	68.20	-29.34	peak	H
7671.000	33.67	11.76	45.43	74.00	-28.57	peak	H
2806.000	36.47	-0.99	35.48	74.00	-38.52	peak	V
4626.000	34.16	4.10	38.26	74.00	-35.74	peak	V
5470.000	32.76	5.75	38.51	68.20	-29.69	peak	V
7650.000	33.55	11.74	45.29	74.00	-28.71	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	12/31/2014
Frequency:	5580MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2827.000	36.28	-0.94	35.34	74.00	-38.66	peak	H
4605.000	35.14	4.05	39.19	74.00	-34.81	peak	H
7643.000	33.30	11.72	45.02	74.00	-28.98	peak	H
2813.000	36.65	-0.98	35.67	74.00	-38.33	peak	V
4577.000	34.70	3.98	38.68	74.00	-35.32	peak	V
7650.000	33.01	11.74	44.75	74.00	-29.25	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	12/31/2014
Frequency:	5700MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2827.000	37.19	-0.94	36.25	74.00	-37.75	peak	H
4570.000	33.44	3.97	37.41	74.00	-36.59	peak	H
5725.000	33.60	6.27	39.87	68.20	-28.33	peak	H
7678.000	33.02	11.77	44.79	74.00	-29.21	peak	H
2806.000	36.52	-0.99	35.53	74.00	-38.47	peak	V
4619.000	34.54	4.10	38.64	74.00	-35.36	peak	V
5725.000	33.04	6.27	39.31	68.20	-28.89	peak	V
7622.000	32.65	11.69	44.34	74.00	-29.66	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	12/30/2014
Frequency:	5745MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2813.000	35.93	-0.98	34.95	74.00	-39.05	peak	H
4591.000	34.60	4.01	38.61	74.00	-35.39	peak	H
5715.000	32.23	6.25	38.48	68.20	-29.72	peak	H
5725.000	33.56	6.27	39.83	78.20	-38.37	peak	H
7685.000	32.58	11.78	44.36	74.00	-29.64	peak	H
2799.000	36.58	-1.01	35.57	74.00	-38.43	peak	V
4633.000	33.68	4.13	37.81	74.00	-36.19	peak	V
5715.000	33.88	6.25	40.13	68.20	-28.07	peak	V
5725.000	32.64	6.27	38.91	78.20	-39.29	peak	V
7650.000	32.71	11.74	44.45	74.00	-29.55	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	12/30/2014
Frequency:	5785MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2806.000	36.37	-0.99	35.38	74.00	-38.62	peak	H
4577.000	34.13	3.98	38.11	74.00	-35.89	peak	H
7678.000	32.79	11.77	44.56	74.00	-29.44	peak	H
2827.000	35.69	-0.94	34.75	74.00	-39.25	peak	V
4619.000	33.70	4.10	37.80	74.00	-36.20	peak	V
7650.000	32.26	11.74	44.00	74.00	-30.00	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	12/30/2014
Frequency:	5825MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2813.000	36.30	-0.98	35.32	74.00	-38.68	peak	H
4577.000	34.37	3.98	38.35	74.00	-35.65	peak	H
5850.000	32.39	6.53	38.92	78.20	-39.28	peak	H
5860.000	33.48	6.55	40.03	68.20	-28.17	peak	H
7678.000	32.88	11.77	44.65	74.00	-29.35	peak	H
2799.000	36.91	-1.01	35.90	74.00	-38.10	peak	V
4598.000	34.35	4.04	38.39	74.00	-35.61	peak	V
5850.000	32.84	6.53	39.37	78.20	-38.83	peak	V
5860.000	32.90	6.55	39.45	68.20	-28.75	peak	V
7657.000	32.52	11.74	44.26	74.00	-29.74	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	12/30/2014
Frequency:	5180MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2785.000	37.64	-1.05	36.59	74.00	-37.41	peak	H
4577.000	33.98	3.98	37.96	74.00	-36.04	peak	H
5150.000	33.93	5.28	39.21	68.20	-28.99	peak	H
7678.000	31.57	11.77	43.34	74.00	-30.66	peak	H
2806.000	38.03	-0.99	37.04	74.00	-36.96	peak	V
4598.000	33.99	4.04	38.03	74.00	-35.97	peak	V
5150.000	32.18	5.28	37.46	68.20	-30.74	peak	V
7657.000	32.53	11.74	44.27	74.00	-29.73	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	12/30/2014
Frequency:	5220MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2806.000	38.95	-0.99	37.96	74.00	-36.04	peak	H
4563.000	33.60	3.95	37.55	74.00	-36.45	peak	H
7650.000	32.82	11.74	44.56	74.00	-29.44	peak	H
2827.000	37.18	-0.94	36.24	74.00	-37.76	peak	V
4563.000	33.84	3.95	37.79	74.00	-36.21	peak	V
7657.000	34.00	11.74	45.74	74.00	-28.26	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	12/30/2014
Frequency:	5240MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2813.000	37.58	-0.98	36.60	74.00	-37.40	peak	H
4598.000	34.21	4.04	38.25	74.00	-35.75	peak	H
5250.000	33.22	5.43	38.65	68.20	-29.55	peak	H
7671.000	32.88	11.76	44.64	74.00	-29.36	peak	H
2827.000	36.66	-0.94	35.72	74.00	-38.28	peak	V
4563.000	33.09	3.95	37.04	74.00	-36.96	peak	V
5250.000	32.89	5.43	38.32	68.20	-29.88	peak	V
7650.000	32.56	11.74	44.30	74.00	-29.70	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	12/30/2014
Frequency:	5260MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2813.000	38.96	-0.98	37.98	74.00	-36.02	peak	H
4563.000	34.39	3.95	38.34	74.00	-35.66	peak	H
5250.000	33.99	5.43	39.42	68.20	-28.78	peak	H
7685.000	32.57	11.78	44.35	74.00	-29.65	peak	H
2827.000	37.48	-0.94	36.54	74.00	-37.46	peak	V
4591.000	34.17	4.01	38.18	74.00	-35.82	peak	V
5250.000	33.98	5.43	39.41	68.20	-28.79	peak	V
7671.000	32.59	11.76	44.35	74.00	-29.65	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	12/30/2014
Frequency:	5280MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2806.000	38.39	-0.99	37.40	74.00	-36.60	peak	H
4591.000	34.13	4.01	38.14	74.00	-35.86	peak	H
7629.000	32.41	11.70	44.11	74.00	-29.89	peak	H
2827.000	37.48	-0.94	36.54	74.00	-37.46	peak	V
4605.000	35.62	4.05	39.67	74.00	-34.33	peak	V
7643.000	31.84	11.72	43.56	74.00	-30.44	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	12/30/2014
Frequency:	5320MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2827.000	36.94	-0.94	36.00	74.00	-38.00	peak	H
4577.000	34.11	3.98	38.09	74.00	-35.91	peak	H
5350.000	33.99	5.57	39.56	68.20	-28.64	peak	H
7671.000	32.14	11.76	43.90	74.00	-30.10	peak	H
2806.000	38.77	-0.99	37.78	74.00	-36.22	peak	V
4605.000	34.59	4.05	38.64	74.00	-35.36	peak	V
5350.000	32.43	5.57	38.00	68.20	-30.20	peak	V
7671.000	32.72	11.76	44.48	74.00	-29.52	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	12/31/2014
Frequency:	5500MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2813.000	36.07	-0.98	35.09	74.00	-38.91	peak	H
4591.000	35.25	4.01	39.26	74.00	-34.74	peak	H
5470.000	33.89	5.75	39.64	68.20	-28.56	peak	H
7622.000	33.03	11.69	44.72	74.00	-29.28	peak	H
2827.000	35.81	-0.94	34.87	74.00	-39.13	peak	V
4598.000	35.13	4.04	39.17	74.00	-34.83	peak	V
5470.000	33.21	5.75	38.96	68.20	-29.24	peak	V
7671.000	33.39	11.76	45.15	74.00	-28.85	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	12/31/2014
Frequency:	5580MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2799.000	36.71	-1.01	35.70	74.00	-38.30	peak	H
4598.000	33.97	4.04	38.01	74.00	-35.99	peak	H
7643.000	33.61	11.72	45.33	74.00	-28.67	peak	H
2813.000	36.87	-0.98	35.89	74.00	-38.11	peak	V
4598.000	34.03	4.04	38.07	74.00	-35.93	peak	V
7678.000	33.85	11.77	45.62	74.00	-28.38	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	12/31/2014
Frequency:	5700MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2806.000	36.15	-0.99	35.16	74.00	-38.84	peak	H
4598.000	33.95	4.04	37.99	74.00	-36.01	peak	H
5725.000	33.61	6.27	39.88	68.20	-28.32	peak	H
7643.000	33.59	11.72	45.31	74.00	-28.69	peak	H
2813.000	36.29	-0.98	35.31	74.00	-38.69	peak	V
4598.000	33.92	4.04	37.96	74.00	-36.04	peak	V
5725.000	33.60	6.27	39.87	68.20	-28.33	peak	V
7678.000	32.91	11.77	44.68	74.00	-29.32	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	12/31/2014
Frequency:	5745MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2813.000	36.90	-0.98	35.92	74.00	-38.08	peak	H
4591.000	34.53	4.01	38.54	74.00	-35.46	peak	H
5715.000	33.27	6.25	39.52	68.20	-28.68	peak	H
5725.000	32.86	6.27	39.13	78.20	-39.07	peak	H
7671.000	33.08	11.76	44.84	74.00	-29.16	peak	H
2785.000	38.16	-1.05	37.11	74.00	-36.89	peak	V
4591.000	34.19	4.01	38.20	74.00	-35.80	peak	V
5715.000	32.79	6.25	39.04	68.20	-29.16	peak	V
5725.000	33.79	6.27	40.06	78.20	-38.14	peak	V
7685.000	33.02	11.78	44.80	74.00	-29.20	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	12/31/2014
Frequency:	5785MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2827.000	36.64	-0.94	35.70	74.00	-38.30	peak	H
4605.000	35.04	4.05	39.09	74.00	-34.91	peak	H
7622.000	33.48	11.69	45.17	74.00	-28.83	peak	H
2806.000	36.33	-0.99	35.34	74.00	-38.66	peak	V
4605.000	34.80	4.05	38.85	74.00	-35.15	peak	V
7643.000	33.27	11.72	44.99	74.00	-29.01	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	12/30/2014
Frequency:	5825MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2834.000	36.86	-0.93	35.93	74.00	-38.07	peak	H
4654.000	33.58	4.19	37.77	74.00	-36.23	peak	H
5850.000	31.84	6.53	38.37	78.20	-39.83	peak	H
5860.000	32.82	6.55	39.37	68.20	-28.83	peak	H
7685.000	31.99	11.78	43.77	74.00	-30.23	peak	H
2813.000	35.19	-0.98	34.21	74.00	-39.79	peak	V
4626.000	34.01	4.10	38.11	74.00	-35.89	peak	V
5850.000	33.58	6.53	40.11	78.20	-38.09	peak	V
5860.000	32.40	6.55	38.95	68.20	-29.25	peak	V
7622.000	32.47	11.69	44.16	74.00	-29.84	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	12/30/2014
Frequency:	5190MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2827.000	36.97	-0.94	36.03	74.00	-37.97	peak	H
4577.000	34.23	3.98	38.21	74.00	-35.79	peak	H
5150.000	33.08	5.28	38.36	68.20	-29.84	peak	H
7629.000	33.16	11.70	44.86	74.00	-29.14	peak	H
2799.000	37.72	-1.01	36.71	74.00	-37.29	peak	V
4591.000	34.62	4.01	38.63	74.00	-35.37	peak	V
5150.000	35.60	5.28	40.88	68.20	-27.32	peak	V
7671.000	34.15	11.76	45.91	74.00	-28.09	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	12/30/2014
Frequency:	5230MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2813.000	37.89	-0.98	36.91	74.00	-37.09	peak	H
4563.000	34.78	3.95	38.73	74.00	-35.27	peak	H
5250.000	33.48	5.43	38.91	68.20	-29.29	peak	H
7650.000	33.14	11.74	44.88	74.00	-29.12	peak	H
2827.000	37.88	-0.94	36.94	74.00	-37.06	peak	V
4563.000	33.08	3.95	37.03	74.00	-36.97	peak	V
5250.000	32.50	5.43	37.93	68.20	-30.27	peak	V
7657.000	32.87	11.74	44.61	74.00	-29.39		

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	12/30/2014
Frequency:	5270MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2799.000	39.06	-1.01	38.05	74.00	-35.95	peak	H
4577.000	33.18	3.98	37.16	74.00	-36.84	peak	H
5250.000	33.38	5.43	38.81	68.20	-29.39	peak	H
7650.000	33.31	11.74	45.05	74.00	-28.95	peak	H
2834.000	37.72	-0.93	36.79	74.00	-37.21	peak	V
4591.000	34.47	4.01	38.48	74.00	-35.52	peak	V
5250.000	33.29	5.43	38.72	68.20	-29.48	peak	V
7678.000	33.26	11.77	45.03	74.00	-28.97	peak	H

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	12/30/2014
Frequency:	5310MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2806.000	37.91	-0.99	36.92	74.00	-37.08	peak	H
4598.000	33.82	4.04	37.86	74.00	-36.14	peak	H
5350.000	32.12	5.57	37.69	68.20	-30.51	peak	H
7657.000	33.01	11.74	44.75	74.00	-29.25	peak	H
2799.000	38.14	-1.01	37.13	74.00	-36.87	peak	V
4598.000	35.34	4.04	39.38	74.00	-34.62	peak	V
5350.000	32.45	5.57	38.02	68.20	-30.18	peak	V
7671.000	32.86	11.76	44.62	74.00	-29.38	peak	H

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	12/30/2014
Frequency:	5510MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2813.000	36.22	-0.98	35.24	74.00	-38.76	peak	H
4605.000	33.39	4.05	37.44	74.00	-36.56	peak	H
5470.000	33.54	5.75	39.29	68.20	-28.91	peak	H
7671.000	32.33	11.76	44.09	74.00	-29.91	peak	H
2799.000	37.02	-1.01	36.01	74.00	-37.99	peak	V
4619.000	33.77	4.10	37.87	74.00	-36.13	peak	V
5470.000	33.68	5.75	39.43	68.20	-28.77	peak	V
7671.000	33.02	11.76	44.78	74.00	-29.22	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	12/31/2014
Frequency:	5550MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2799.000	37.84	-1.01	36.83	74.00	-37.17	peak	H
4605.000	34.32	4.05	38.37	74.00	-35.63	peak	H
7643.000	32.83	11.72	44.55	74.00	-29.45	peak	H
2806.000	37.33	-0.99	36.34	74.00	-37.66	peak	V
4577.000	33.57	3.98	37.55	74.00	-36.45	peak	V
7671.000	32.24	11.76	44.00	74.00	-30.00	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	12/31/2014
Frequency:	5670MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2827.000	36.68	-0.94	35.74	74.00	-38.26	peak	H
4591.000	34.43	4.01	38.44	74.00	-35.56	peak	H
5725.000	33.25	6.27	39.52	68.20	-28.68	peak	H
7615.000	31.97	11.69	43.66	74.00	-30.34	peak	H
2841.000	37.87	-0.91	36.96	74.00	-37.04	peak	V
4619.000	33.78	4.10	37.88	74.00	-36.12	peak	V
5725.000	33.47	6.27	39.74	68.20	-28.46	peak	V
7650.000	33.39	11.74	45.13	74.00	-28.87	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	12/31/2014
Frequency:	5755MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2827.000	36.13	-0.94	35.19	74.00	-38.81	peak	H
4591.000	35.06	4.01	39.07	74.00	-34.93	peak	H
5715.000	32.75	6.25	39.00	68.20	-29.20	peak	H
5725.000	32.93	6.27	39.20	78.20	-39.00	peak	H
7650.000	32.15	11.74	43.89	74.00	-30.11	peak	H
2813.000	35.71	-0.98	34.73	74.00	-39.27	peak	V
4605.000	33.75	4.05	37.80	74.00	-36.20	peak	V
5715.000	34.88	6.25	41.13	68.20	-27.07	peak	V
5725.000	33.47	6.27	39.74	78.20	-38.46	peak	V
7678.000	33.09	11.77	44.86	74.00	-29.14	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	12/30/2014
Frequency:	5795MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2806.000	36.73	-0.99	35.74	74.00	-38.26	peak	H
4591.000	34.92	4.01	38.93	74.00	-35.07	peak	H
5850.000	32.35	6.53	38.88	68.20	-29.32	peak	H
5860.000	32.23	6.55	38.78	78.20	-39.42	peak	H
7650.000	31.60	11.74	43.34	74.00	-30.66	peak	H
2806.000	35.89	-0.99	34.90	74.00	-39.10	peak	V
4591.000	34.59	4.01	38.60	74.00	-35.40	peak	V
5850.000	32.81	6.53	39.34	78.20	-38.86	peak	V
5860.000	32.13	6.55	38.68	68.20	-29.52	peak	V
7622.000	31.86	11.69	43.55	74.00	-30.45	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 5	Date:	12/30/2014
Frequency:	5210MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2813.000	38.20	-0.98	37.22	74.00	-36.78	peak	H
4577.000	34.04	3.98	38.02	74.00	-35.98	peak	H
5250.000	32.79	5.43	38.22	68.20	-29.98	peak	H
7657.000	33.55	11.74	45.29	74.00	-28.71	peak	H
2806.000	38.26	-0.99	37.27	74.00	-36.73	peak	V
4577.000	33.81	3.98	37.79	74.00	-36.21	peak	V
5250.000	32.70	5.43	38.13	68.20	-30.07	peak	V
7678.000	31.63	11.77	43.40	74.00	-30.60	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 5	Date:	12/30/2014
Frequency:	5290MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2841.000	36.78	-0.91	35.87	74.00	-38.13	peak	H
4577.000	34.94	3.98	38.92	74.00	-35.08	peak	H
5250.000	33.47	5.43	38.90	68.20	-29.30	peak	H
7650.000	32.70	11.74	44.44	74.00	-29.56	peak	H
2813.000	37.50	-0.98	36.52	74.00	-37.48	peak	V
4591.000	34.02	4.01	38.03	74.00	-35.97	peak	V
5250.000	32.89	5.43	38.32	68.20	-29.88	peak	V
7650.000	33.13	11.74	44.87	74.00	-29.13	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 5	Date:	12/31/2014
Frequency:	5530MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2813.000	35.68	-0.98	34.70	74.00	-39.30	peak	H
4605.000	34.32	4.05	38.37	74.00	-35.63	peak	H
5470.000	32.82	5.75	38.57	68.20	-29.63	peak	H
7622.000	32.63	11.69	44.32	74.00	-29.68	peak	H
2813.000	36.03	-0.98	35.05	74.00	-38.95	peak	V
4619.000	33.61	4.10	37.71	74.00	-36.29	peak	V
5470.000	31.91	5.75	37.66	68.20	-30.54	peak	V
7657.000	33.42	11.74	45.16	74.00	-28.84	peak	H

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 5	Date:	12/31/2014
Frequency:	5690MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2771.000	37.89	-1.08	36.81	74.00	-37.19	peak	H
4605.000	35.03	4.05	39.08	74.00	-34.92	peak	H
5725.000	33.20	6.27	39.47	68.20	-28.73	peak	H
7650.000	32.29	11.74	44.03	74.00	-29.97	peak	H
2813.000	37.17	-0.98	36.19	74.00	-37.81	peak	V
4619.000	35.60	4.10	39.70	74.00	-34.30	peak	V
5725.000	33.94	6.27	40.21	68.20	-27.99	peak	V
7671.000	32.38	11.76	44.14	74.00	-29.86	peak	H

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 5	Date:	12/30/2014
Frequency:	5775MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2806.000	37.37	-0.99	36.38	74.00	-37.62	peak	H
4598.000	34.06	4.04	38.10	74.00	-35.90	peak	H
5715.000	33.42	6.25	39.67	68.20	-28.53	peak	H
5725.000	33.16	6.27	39.43	78.20	-38.77	peak	H
7643.000	32.80	11.72	44.52	74.00	-29.48	peak	H
2806.000	36.81	-0.99	35.82	74.00	-38.18	peak	V
4605.000	34.32	4.05	38.37	74.00	-35.63	peak	V
5715.000	33.29	6.25	39.54	68.20	-28.66	peak	V
5725.000	34.43	6.27	40.70	78.20	-37.50	peak	V
7657.000	32.33	11.74	44.07	74.00	-29.93	peak	V

Standard:	RSS-Gen	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 6	Date:	12/31/2014
Modulation:	IEEE 802.11a	Test By:	Eric Ou Yang
Frequency:	5180 MHz		

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Peak Limit (dBuV/m)	AVG. Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2827.000	35.73	-0.94	34.79	74.00	54.00	-39.21	peak	H
4570.000	33.71	3.97	37.68	74.00	54.00	-36.32	peak	H
7650.000	31.87	11.74	43.61	74.00	54.00	-30.39	peak	H
2834.000	36.74	-0.93	35.81	74.00	54.00	-38.19	peak	V
4563.000	35.33	3.95	39.28	74.00	54.00	-34.72	peak	V
7657.000	34.55	11.74	46.29	74.00	54.00	-27.71	peak	V

Standard:	RSS-Gen	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 6	Date:	12/31/2014
Modulation:	IEEE 802.11a	Test By:	Eric Ou Yang
Frequency:	5745 MHz		

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Peak Limit (dBuV/m)	AVG. Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
2813.000	36.56	-0.98	35.58	74.00	54.00	-38.42	peak	H
4591.000	35.03	4.01	39.04	74.00	54.00	-34.96	peak	H
7650.000	32.77	11.74	44.51	74.00	54.00	-29.49	peak	H
2813.000	36.41	-0.98	35.43	74.00	54.00	-38.57	peak	V
4577.000	34.41	3.98	38.39	74.00	54.00	-35.61	peak	V
7650.000	32.45	11.74	44.19	74.00	54.00	-29.81	peak	V

Band Edge

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	12/30/2014
Frequency:	5180 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
5141.900	56.97	5.27	62.24	74.00	-11.76	peak	H
5141.900	43.04	5.27	48.31	54.00	-5.69	AVG	H
5150.000	57.38	5.28	62.66	74.00	-11.34	peak	H
5150.000	45.60	5.28	50.88	54.00	-3.12	AVG	H
5145.400	62.77	5.28	68.05	74.00	-5.95	peak	V
5145.400	43.39	5.28	48.67	54.00	-5.33	AVG	V
5150.000	61.32	5.28	66.60	74.00	-7.40	peak	V
5150.000	45.36	5.28	50.64	54.00	-3.36	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	12/30/2014
Frequency:	5320 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
5350.000	55.66	5.57	61.23	74.00	-12.77	peak	H
5350.000	42.42	5.57	47.99	54.00	-6.01	AVG	H
5351.220	55.39	5.57	60.96	74.00	-13.04	peak	H
5351.220	41.29	5.57	46.86	54.00	-7.14	AVG	H
5350.000	56.17	5.57	61.74	74.00	-12.26	peak	V
5350.000	42.84	5.57	48.41	54.00	-5.59	AVG	H
5352.060	57.12	5.57	62.69	74.00	-11.31	peak	V
5352.060	41.15	5.57	46.72	54.00	-7.28	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	12/30/2014
Frequency:	5500 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
5426.350	49.11	5.69	54.80	74.00	-19.20	peak	H
5426.350	37.56	5.69	43.25	54.00	-10.75	AVG	H
5460.000	47.51	5.74	53.25	74.00	-20.75	peak	H
5460.000	38.04	5.74	43.78	54.00	-10.22	AVG	H
5452.300	48.29	5.72	54.01	74.00	-19.99	peak	V
5452.300	36.62	5.72	42.34	54.00	-11.66	AVG	H
5460.000	47.09	5.74	52.83	74.00	-21.17	peak	V
5460.000	36.94	5.74	42.68	54.00	-11.32	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	12/30/2014
Frequency:	5180 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
5146.100	57.05	5.28	62.33	74.00	-11.67	peak	H
5146.100	42.49	5.28	47.77	54.00	-6.23	AVG	H
5150.000	51.35	5.28	56.63	74.00	-17.37	peak	H
5150.000	43.75	5.28	49.03	54.00	-4.97	AVG	H
5146.100	56.94	5.28	62.22	74.00	-11.78	peak	V
5146.100	42.34	5.28	47.62	54.00	-6.38	AVG	V
5150.000	56.07	5.28	61.35	74.00	-12.65	peak	V
5150.000	45.37	5.28	50.65	54.00	-3.35	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	12/30/2014
Frequency:	5320 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
5350.000	57.77	5.57	63.34	74.00	-10.66	peak	H
5350.000	43.07	5.57	48.64	54.00	-5.36	AVG	H
5351.780	56.82	5.57	62.39	74.00	-11.61	peak	H
5351.780	41.71	5.57	47.28	54.00	-6.72	AVG	
5350.000	54.24	5.57	59.81	74.00	-14.19	peak	V
5350.000	43.68	5.57	49.25	54.00	-4.75	AVG	V
5352.760	58.72	5.57	64.29	74.00	-9.71	peak	V
5352.760	40.87	5.57	46.44	54.00	-7.56	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	12/30/2014
Frequency:	5500 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
5398.750	50.01	5.65	55.66	74.00	-18.34	peak	H
5398.750	36.49	5.65	42.14	54.00	-11.86	AVG	H
5460.000	46.79	5.74	52.53	74.00	-21.47	peak	H
5460.000	37.28	5.74	43.02	54.00	-10.98	AVG	H
5446.600	48.25	5.71	53.96	74.00	-20.04	peak	V
5446.600	36.14	5.71	41.85	54.00	-12.15	AVG	V
5460.000	47.38	5.74	53.12	74.00	-20.88	peak	V
5460.000	37.19	5.74	42.93	54.00	-11.07	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	12/30/2014
Frequency:	5190 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
5146.100	52.25	5.28	57.53	74.00	-16.47	peak	H
5146.100	41.22	5.28	46.50	54.00	-7.50	AVG	H
5150.000	50.55	5.28	55.83	74.00	-18.17	peak	H
5150.000	43.26	5.28	48.54	54.00	-5.46	AVG	H
5145.400	55.69	5.28	60.97	74.00	-13.03	peak	V
5145.400	42.92	5.28	48.20	54.00	-5.80	AVG	V
5150.000	57.51	5.28	62.79	74.00	-11.21	peak	V
5150.000	45.60	5.28	50.88	54.00	-3.12	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	12/30/2014
Frequency:	5310 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
5350.000	49.07	5.57	54.64	74.00	-19.36	peak	H
5350.000	41.58	5.57	47.15	54.00	-6.85	AVG	H
5351.220	51.44	5.57	57.01	74.00	-16.99	peak	H
5351.220	40.64	5.57	46.21	54.00	-7.79	AVG	H
5350.000	50.89	5.57	56.46	74.00	-17.54	peak	V
5350.000	42.09	5.57	47.66	54.00	-6.34	AVG	V
5351.500	52.31	5.57	57.88	74.00	-16.12	peak	V
5351.500	41.51	5.57	47.08	54.00	-6.92	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	12/30/2014
Frequency:	5510 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
5450.050	49.00	5.72	54.72	74.00	-19.28	peak	H
5450.050	40.59	5.72	46.31	54.00	-7.69	AVG	H
5460.000	48.19	5.74	53.93	74.00	-20.07	peak	H
5460.000	42.40	5.74	48.14	54.00	-5.86	AVG	H
5451.100	49.45	5.72	55.17	74.00	-18.83	peak	V
5451.100	40.71	5.72	46.43	54.00	-7.57	AVG	V
5460.000	47.40	5.74	53.14	74.00	-20.86	peak	V
5460.000	42.48	5.74	48.22	54.00	-5.78	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 5	Date:	12/30/2014
Frequency:	5210 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
5146.810	55.26	5.28	60.54	74.00	-13.46	peak	H
5146.810	42.05	5.28	47.33	54.00	-6.67	AVG	H
5150.000	53.50	5.28	58.78	74.00	-15.22	peak	H
5150.000	43.89	5.28	49.17	54.00	-4.83	AVG	H
5143.970	59.57	5.28	64.85	74.00	-9.15	peak	V
5143.970	44.02	5.28	49.30	54.00	-4.70	AVG	V
5150.000	59.70	5.28	64.98	74.00	-9.02	peak	V
5150.000	46.69	5.28	51.97	54.00	-2.03	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 5	Date:	12/30/2014
Frequency:	5290 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
5350.000	56.86	5.57	62.43	74.00	-11.57	peak	H
5350.000	44.52	5.57	50.09	54.00	-3.91	AVG	H
5358.170	56.66	5.58	62.24	74.00	-11.76	peak	H
5358.170	43.14	5.58	48.72	54.00	-5.28	AVG	H
5350.000	54.05	5.57	59.62	74.00	-14.38	peak	V
5350.000	45.13	5.57	50.70	54.00	-3.30	AVG	V
5352.560	57.34	5.57	62.91	74.00	-11.09	peak	V
5352.560	43.52	5.57	49.09	54.00	-4.91	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	ALGIZ 10XB	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 5	Date:	12/30/2014
Frequency:	5530 MHz	Test By:	Eric Ou Yang

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Polar. H / V
5453.200	58.24	5.72	63.96	74.00	-10.04	peak	H
5453.200	43.91	5.72	49.63	54.00	-4.37	AVG	H
5460.000	52.88	5.74	58.62	74.00	-15.38	peak	H
5460.000	45.85	5.74	51.59	54.00	-2.41	AVG	H
5454.100	56.58	5.72	62.30	74.00	-11.70	peak	V
5454.100	42.49	5.72	48.21	54.00	-5.79	AVG	V
5460.000	55.05	5.74	60.79	74.00	-13.21	peak	V
5460.000	45.21	5.74	50.95	54.00	-3.05	AVG	V

6 Maximum Conducted Output Power and EIRP Measurement

6.1. Limit

Conducted Output Power

Frequency Range (MHz)	FCC Limit
5.150 ~ 5.250 GHz	The lesser of 250mW (24dBm)
5.250 ~ 5.350 GHz	The lesser of 250mW (24dBm) or 11dBm + 10log (B)
5.470 ~ 5.725 GHz	The lesser of 250mW (24dBm) or 11dBm + 10log (B)
5.725 ~ 5.850 GHz	The lesser of 1000mW (30dBm)

Frequency Range (MHz)	IC Limit
5.150 ~ 5.250 GHz	N/A
5.250 ~ 5.350 GHz	The lesser of 250mW or 11dBm+10*log (B)
5.470 ~ 5.600 GHz and 5650~5725MHz	The lesser of 250mW or 11dBm+10*log (B)
5.725 ~ 5.825 GHz	The lesser of 1W or 17dBm+10*log (B)

Note: Where B is the 26dB emission bandwidth in MHz.

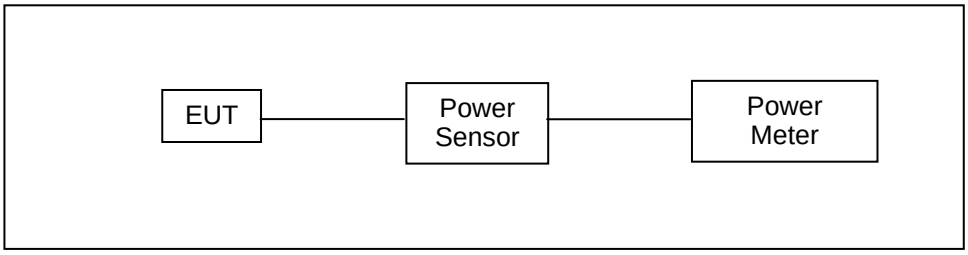
EIRP

Frequency Range (MHz)	FCC Limit
5.150 ~ 5.250 GHz	The lesser of 4W (36dBm)
5.250 ~ 5.350 GHz	The lesser of 1W (30dBm)
5.470 ~ 5.725 GHz	The lesser of 1W (30dBm)
5.725 ~ 5.850 GHz	The lesser of 4W (36dBm)

Frequency Range (MHz)	IC Limit
5.150 ~ 5.250 GHz	The lesser of 200mW or 10dBm+10*log (B)
5.250 ~ 5.350 GHz	The lesser of 1W or 17dBm+10*log (B)
5.470 ~ 5.600 GHz and 5650~5725MHz	The lesser of 1W or 17dBm+10*log (B)
5.725 ~ 5.825 GHz	The lesser of 4W or 23dBm+10*log (B)

Note: Where B is the 26dB emission bandwidth in MHz.

6.2. Test Setup



6.3. Test Instruments

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Power Sensor	Anritsu	MA2411B	1126022	08/21/2014	(1)
Power Meter	Anritsu	ML2495A	1135009	08/21/2014	(1)
Test Site	ATL	TE02	TE02	N.C.R.	-----

Remark: (1) Calibration period 1 year. (2) Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

6.4. Test Procedure

The test is performed in accordance with KDB789033: D02 General UNII Test Procedures New Rules v01, Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E.

6.5. Test Result

Model Number	ALGIZ 10XB				
Test Item	Maximum Conducted Output Power				
Test Mode	Mode 2: IEEE 802.11a Link Mode				
Date of Test	12/26/2014		Test Site	TE02	

Frequency (MHz)	Data Rate	Average Power		FCC Limit (dBm)	IC Limit (dBm)
		(dBm)	(W)		
5180.0	6M	**13.82**	**0.024**	< 24	N/A
5200.0		13.56	0.023		
5220.0		13.83	0.024		
5240.0		13.67	0.023		
5260.0		**13.44**	**0.022**	< 24	< 24
5280.0		13.41	0.022		
5300.0		13.31	0.021		
5320.0		13.22	0.021		
5500.0		12.30	0.017	< 24	< 24
5520.0		12.33	0.017		
5540.0		12.11	0.016		
5560.0		**12.94**	**0.020**		
5580.0		12.71	0.019		
5660.0		12.03	0.016		< 24
5680.0		12.79	0.019		
5700.0		12.13	0.016		
5745.0		**12.93**	**0.020**	< 30	< 30
5765.0		12.92	0.020		
5785.0		12.54	0.018		
5805.0		12.63	0.018		
5825.0		12.47	0.018		

Model Number	ALGIZ 10XB			
Test Item	Maximum Conducted Output Power			
Test Mode	Mode 2: IEEE 802.11a Link Mode			
Date of Test	12/26/2014	Test Site	TE02	

Frequency (MHz)	Data Rate	Average Power		FCC Limit (dBm)	IC Limit (dBm)
		(dBm)	(W)		
5180.0	54M	13.44	0.022	< 24	N/A
5200.0		13.39	0.022		
5220.0		13.51	0.022		
5240.0		13.35	0.022		
5260.0		13.26	0.021	< 24	< 24
5280.0		13.22	0.021		
5300.0		13.17	0.021		
5320.0		13.06	0.020		
5500.0		11.74	0.015	< 24	< 24
5520.0		11.77	0.015		
5540.0		11.63	0.015		
5560.0		12.41	0.017		
5580.0		12.15	0.016		
5660.0		11.63	0.015		< 24
5680.0		12.17	0.016		
5700.0		11.66	0.015		
5745.0		12.44	0.018	< 30	< 30
5765.0		12.39	0.017		
5785.0		12.26	0.017		
5805.0		12.31	0.017		
5825.0		12.24	0.017		

Model Number	ALGIZ 10XB				
Test Item	Maximum Conducted Output Power				
Test Mode	Mode 3: IEEE 802.11n 20MHz Link Mode				
Date of Test	12/26/2014		Test Site	TE02	

Frequency (MHz)	Data Rate	Average Power		FCC Limit (dBm)	IC Limit (dBm)
		(dBm)	(W)		
5180.0	6.5M	**13.42**	**0.022**	< 24	N/A
5200.0		13.34	0.022		
5220.0		13.27	0.021		
5240.0		13.28	0.021		
5260.0		13.14	0.021	< 24	< 24
5280.0		**13.18**	**0.021**		
5300.0		13.08	0.020		
5320.0		13.09	0.020		
5500.0		12.19	0.017	< 24	< 24
5520.0		12.08	0.016		
5540.0		12.01	0.016		
5560.0		12.14	0.016		
5580.0		11.93	0.016		
5660.0		11.99	0.016		< 24
5680.0		12.12	0.016		
5700.0		12.07	0.016		
5745.0		**12.12**	**0.016**	< 30	< 30
5765.0		12.09	0.016		
5785.0		12.11	0.016		
5805.0		12.05	0.016		
5825.0		12.01	0.016		

Model Number	ALGIZ 10XB		
Test Item	Maximum Conducted Output Power		
Test Mode	Mode 3: IEEE 802.11n 20MHz Link Mode		
Date of Test	12/26/2014	Test Site	TE02

Frequency (MHz)	Data Rate	Average Power		FCC Limit (dBm)	IC Limit (dBm)
		(dBm)	(W)		
5180.0	65M	13.02	0.020	< 24	N/A
5200.0		12.96	0.020		
5220.0		13.01	0.020		
5240.0		12.92	0.020		
5260.0		12.90	0.019	< 24	< 24
5280.0		12.94	0.020		
5300.0		12.87	0.019		
5320.0		12.96	0.020		
5500.0		12.61	0.018	< 24	< 24
5520.0		12.39	0.017		
5540.0		12.44	0.018		
5560.0		12.46	0.018		
5580.0		12.63	0.018		
5660.0		12.49	0.018		< 24
5680.0		12.56	0.018		
5700.0		**12.67**	**0.018**		
5745.0		11.83	0.015	< 30	< 30
5765.0		11.86	0.015		
5785.0		11.80	0.015		
5805.0		11.68	0.015		
5825.0		11.92	0.016		

Model Number	ALGIZ 10XB		
Test Item	Maximum Conducted Output Power		
Test Mode	Mode 4: IEEE 802.11n 40MHz Link Mode		
Date of Test	12/26/2014	Test Site	TE02

Frequency (MHz)	Data Rate	Average Power		FCC Limit (dBm)	IC Limit (dBm)
		(dBm)	(W)		
5190.0	13.5M	**12.53**	**0.018**	< 24	N/A
5230.0		12.48	0.018		
5270.0		12.02	0.016	< 24	< 24
5310.0		**12.03**	**0.016**		
5510.0		12.80	0.019	< 24	< 24
5550.0		12.82	0.019		
5590.0		**12.89**	**0.019**		
5670.0		12.74	0.019		< 24
5755.0		**12.25**	**0.017**	< 30	< 30
5795.0		12.15	0.016		
5190.0	135M	12.17	0.016	< 24	N/A
5230.0		11.94	0.016		
5270.0		11.87	0.015	< 24	< 24
5310.0		11.72	0.015		
5510.0		12.62	0.018	< 24	< 24
5550.0		12.57	0.018		
5590.0		12.58	0.018		
5670.0		12.52	0.018		< 24
5755.0		12.13	0.016	< 30	< 30
5795.0		11.98	0.016		

Model Number	ALGIZ 10XB		
Test Item	Maximum Conducted Output Power		
Test Mode	Mode 5: IEEE 802.11ac 80MHz Link Mode		
Date of Test	12/26/2014	Test Site	TE02

Frequency (MHz)	Data Rate	Average Power		FCC Limit (dBm)	IC Limit (dBm)
		(dBm)	(W)		
5210.0	29.3M	**12.31**	**0.017**	< 24	N/A
5290.0		**12.13**	**0.016**		< 24
5530.0		**12.60**	**0.018**		
5690.0		12.53	0.018		
5775.0		**11.81**	**0.015**	< 30	< 30
5210.0	390M	11.81	0.015	< 24	N/A
5290.0		11.59	0.014		< 24
5530.0		12.49	0.018		
5690.0		12.47	0.018		
5775.0		11.77	0.015	< 30	< 30

Model Number	ALGIZ 10XB					
Test Item	EIRP					
Test Mode	Mode 2: IEEE 802.11a Link Mode					
Date of Test	12/26/2014		Test Site	TE02		

Frequency (MHz)	Data Rate	Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	FCC Limit (dBm)	IC Limit (dBm)
5180.0	6M	13.82	2.92	16.74	0.047	< 36	< 23
5200.0		13.56	2.92	16.48	0.044		
5220.0		13.83	2.92	16.75	0.047		
5240.0		13.67	2.92	16.59	0.046		
5260.0		13.44	2.92	16.36	0.043	< 30	< 30
5280.0		13.41	2.92	16.33	0.043		
5300.0		13.31	2.92	16.23	0.042		
5320.0		13.22	2.92	16.14	0.041		
5500.0		12.30	2.92	15.22	0.033	< 30	< 30
5520.0		12.33	2.92	15.25	0.033		
5540.0		12.11	2.92	15.03	0.032		
5560.0		12.94	2.92	15.86	0.039		
5580.0		12.71	2.92	15.63	0.037		
5660.0		12.03	2.92	14.95	0.031		< 30
5680.0		12.79	2.92	15.71	0.037		
5700.0		12.13	2.92	15.05	0.032		
5745.0		12.93	2.92	15.85	0.038	< 36	< 36
5765.0		12.92	2.92	15.84	0.038		
5785.0		12.54	2.92	15.46	0.035		
5805.0		12.63	2.92	15.55	0.036		
5825.0		12.47	2.92	15.39	0.035		

Model Number	ALGIZ 10XB						
Test Item	EIRP						
Test Mode	Mode 2: IEEE 802.11a Link Mode						
Date of Test	12/26/2014			Test Site	TE02		

Frequency (MHz)	Data Rate	Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	FCC Limit (dBm)	IC Limit (dBm)
5180.0	54M	13.44	2.92	16.36	0.043	< 36	< 23
5200.0		13.39	2.92	16.31	0.043		
5220.0		13.51	2.92	16.43	0.044		
5240.0		13.35	2.92	16.27	0.042		
5260.0		13.26	2.92	16.18	0.041	< 30	< 30
5280.0		13.22	2.92	16.14	0.041		
5300.0		13.17	2.92	16.09	0.041		
5320.0		13.06	2.92	15.98	0.040		
5500.0		11.74	2.92	14.66	0.029	< 30	< 30
5520.0		11.77	2.92	14.69	0.029		
5540.0		11.63	2.92	14.55	0.029		
5560.0		12.41	2.92	15.33	0.034		
5580.0		12.15	2.92	15.07	0.032		
5660.0		11.63	2.92	14.55	0.029		< 30
5680.0		12.17	2.92	15.09	0.032		
5700.0		11.66	2.92	14.58	0.029		
5745.0		12.44	2.92	15.36	0.034	< 36	< 36
5765.0		12.39	2.92	15.31	0.034		
5785.0		12.26	2.92	15.18	0.033		
5805.0		12.31	2.92	15.23	0.033		
5825.0		12.24	2.92	15.16	0.033		

Model Number	ALGIZ 10XB					
Test Item	EIRP					
Test Mode	Mode 3: IEEE 802.11n 20MHz Link Mode					
Date of Test	12/26/2014		Test Site	TE02		

Frequency (MHz)	Data Rate	Average Power	Antenna Gain	EIRP		FCC Limit (dBm)	IC Limit (dBm)
		(dBm)	(dBi)	(dBm)	(W)		
5180.0	6.5M	13.42	2.92	16.34	0.043	< 36	< 23
5200.0		13.34	2.92	16.26	0.042		
5220.0		13.27	2.92	16.19	0.042		
5240.0		13.28	2.92	16.20	0.042		
5260.0		13.14	2.92	16.06	0.040	< 30	< 30
5280.0		13.18	2.92	16.10	0.041		
5300.0		13.08	2.92	16.00	0.040		
5320.0		13.09	2.92	16.01	0.040		
5500.0		12.19	2.92	15.11	0.032	< 30	< 30
5520.0		12.08	2.92	15.00	0.032		
5540.0		12.01	2.92	14.93	0.031		
5560.0		12.14	2.92	15.06	0.032		
5580.0		11.93	2.92	14.85	0.031		
5660.0		11.99	2.92	14.91	0.031		< 30
5680.0		12.12	2.92	15.04	0.032		
5700.0		12.07	2.92	14.99	0.032		
5745.0		12.12	2.92	15.04	0.032	< 36	< 36
5765.0		12.09	2.92	15.01	0.032		
5785.0		12.11	2.92	15.03	0.032		
5805.0		12.05	2.92	14.97	0.031		
5825.0		12.01	2.92	14.93	0.031		

Model Number	ALGIZ 10XB			
Test Item	EIRP			
Test Mode	Mode 3: IEEE 802.11n 20MHz Link Mode			
Date of Test	12/26/2014	Test Site	TE02	

Frequency (MHz)	Data Rate	Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	FCC Limit (dBm)	IC Limit (dBm)
5180.0	65M	13.02	2.92	15.94	0.039	< 36	< 23
5200.0		12.96	2.92	15.88	0.039		
5220.0		13.01	2.92	15.93	0.039		
5240.0		12.92	2.92	15.84	0.038		
5260.0		12.90	2.92	15.82	0.038	< 30	< 30
5280.0		12.94	2.92	15.86	0.039		
5300.0		12.87	2.92	15.79	0.038		
5320.0		12.96	2.92	15.88	0.039		
5500.0		12.61	2.92	15.53	0.036	< 30	< 30
5520.0		12.39	2.92	15.31	0.034		
5540.0		12.44	2.92	15.36	0.034		
5560.0		12.46	2.92	15.38	0.035		
5580.0		12.63	2.92	15.55	0.036		
5660.0		12.49	2.92	15.41	0.035		< 30
5680.0		12.56	2.92	15.48	0.035		
5700.0		12.67	2.92	15.59	0.036		
5745.0		11.83	2.92	14.75	0.030	< 36	< 36
5765.0		11.86	2.92	14.78	0.030		
5785.0		11.80	2.92	14.72	0.030		
5805.0		11.68	2.92	14.60	0.029		
5825.0		11.92	2.92	14.84	0.030		

Model Number	ALGIZ 10XB			
Test Item	EIRP			
Test Mode	Mode 4: IEEE 802.11n 40MHz Link Mode			
Date of Test	12/26/2014	Test Site	TE02	

Frequency (MHz)	Data Rate	Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	FCC Limit (dBm)	IC Limit (dBm)
5190.0	6.5M	12.53	2.92	15.45	0.035	< 36	< 23
5230.0		12.48	2.92	15.40	0.035		
5270.0		12.02	2.92	14.94	0.031	< 30	< 30
5310.0		12.03	2.92	14.95	0.031		
5510.0		12.80	2.92	15.72	0.037	< 30	< 30
5550.0		12.82	2.92	15.74	0.037		
5590.0		12.89	2.92	15.81	0.038		
5670.0		12.74	2.92	15.66	0.037		< 30
5755.0		12.25	2.92	15.17	0.033	< 36	< 36
5795.0		12.15	2.92	15.07	0.032		
5190.0	65M	12.17	2.92	15.09	0.032	< 36	< 23
5230.0		11.94	2.92	14.86	0.031		
5270.0		11.87	2.92	14.79	0.030	< 30	< 30
5310.0		11.72	2.92	14.64	0.029		
5510.0		12.62	2.92	15.54	0.036	< 30	< 30
5550.0		12.57	2.92	15.49	0.035		
5590.0		12.58	2.92	15.50	0.035		
5670.0		12.52	2.92	15.44	0.035		< 30
5755.0		12.13	2.92	15.05	0.032	< 36	< 36
5795.0		11.98	2.92	14.90	0.031		

Model Number	ALGIZ 10XB			
Test Item	EIRP			
Test Mode	Mode 5: IEEE 802.11ac 80MHz Link Mode			
Date of Test	12/26/2014	Test Site	TE02	

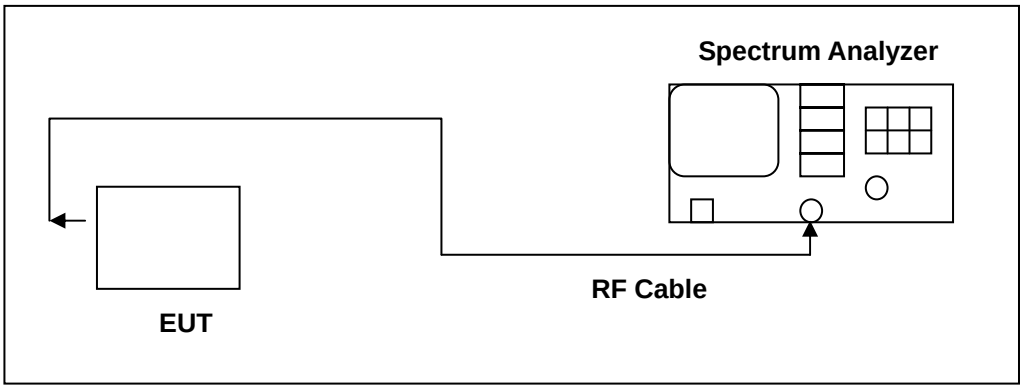
Frequency (MHz)	Data Rate	Average Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	EIRP (W)	FCC Limit (dBm)	IC Limit (dBm)
5210.0	6.5M	12.31	2.92	15.23	0.033	< 36	< 23
5290.0		12.13	2.92	15.05	0.032	< 30	< 30
5530.0		12.60	2.92	15.52	0.036		
5690.0		12.53	2.92	15.45	0.035		
5775.0		11.81	2.92	14.73	0.030	< 36	< 36
5210.0	65M	11.81	2.92	14.73	0.030	< 36	< 23
5290.0		11.59	2.92	14.51	0.028	< 30	< 30
5530.0		12.49	2.92	15.41	0.035		
5690.0		12.47	2.92	15.39	0.035		
5775.0		11.77	2.92	14.69	0.029	< 36	< 36

7 26dB RF Bandwidth & 99 % Occupied Bandwidth Measurement

7.1. Limit

N/A

7.2. Test Setup



7.3. Test Instruments

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY45300744	12/16/2014	(1)
Test Site	ATL	TE02	TE02	N.C.R.	-----

Remark: (1) Calibration period 1 year. (2) Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

7.4. Test Procedure

The test is performed in accordance with KDB789033: D02 General UNII Test Procedures New Rules v01, Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E.

7.5. Test Result

Model Number	ALGIZ 10XB		
Test Item	26dB RF Bandwidth & 99 % Occupied Bandwidth Measurement		
Test Mode	Mode 2: IEEE 802.11a Link Mode		
Date of Test	01/05/2015	Test Site	TE02

Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	27.473	18.2943
5220	26.797	18.4151
5240	25.760	18.2240
5260	29.730	18.4825
5280	26.095	18.3301
5320	25.987	18.3677
5500	25.395	18.2953
5580	26.543	18.2931
5700	25.954	18.3528

Model Number	ALGIZ 10XB		
Test Item	26dB RF Bandwidth & 99 % Occupied Bandwidth Measurement		
Test Mode	Mode 3: IEEE 802.11n 20MHz Link Mode		
Date of Test	01/05/2015	Test Site	TE02

Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	28.457	19.1518
5220	27.660	19.2721
5240	25.734	19.2117
5260	27.758	19.2930
5280	26.387	19.3098
5320	26.500	19.2239
5500	25.952	19.0944
5580	29.964	19.3238
5700	26.945	19.2760

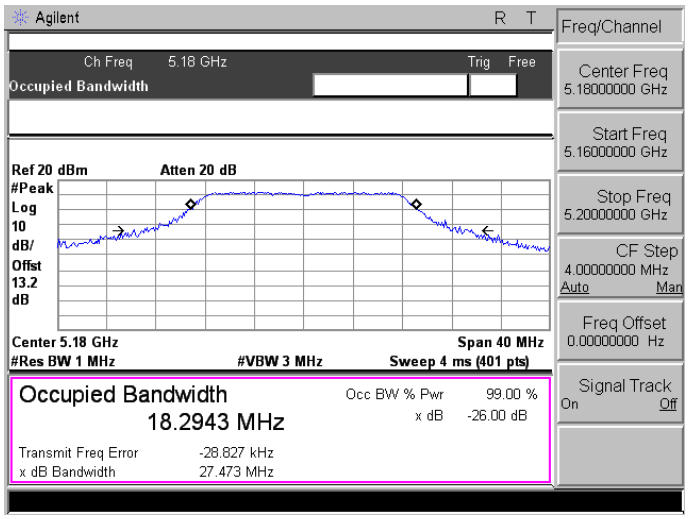
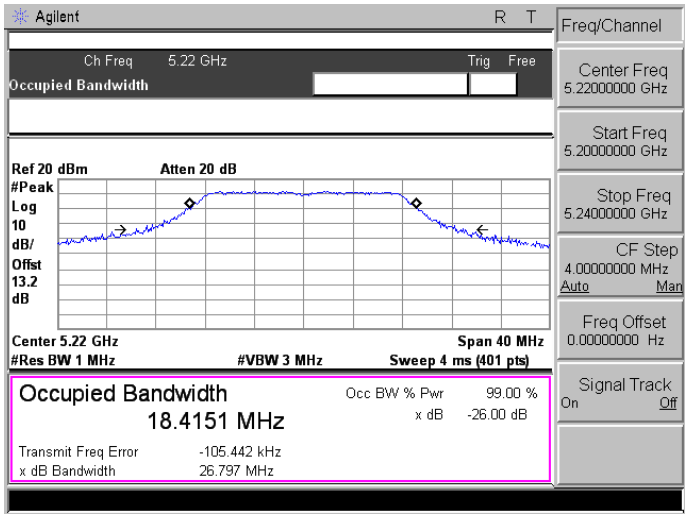
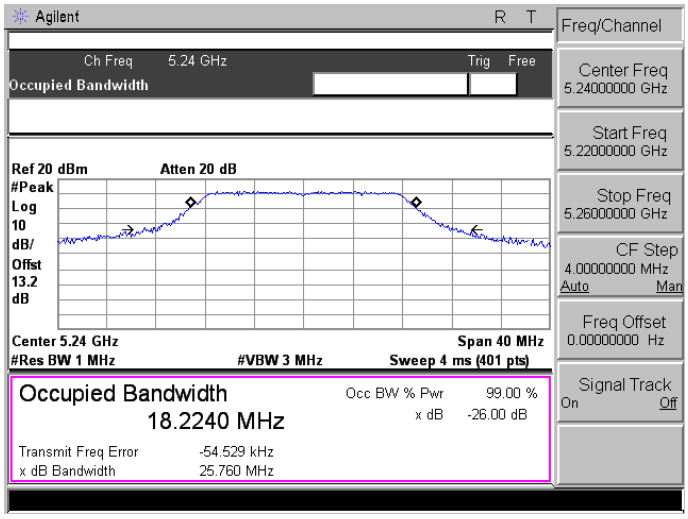
Model Number	ALGIZ 10XB		
Test Item	26dB RF Bandwidth & 99 % Occupied Bandwidth Measurement		
Test Mode	Mode 4: IEEE 802.11n 40MHz Link Mode		
Date of Test	01/05/2015	Test Site	TE02

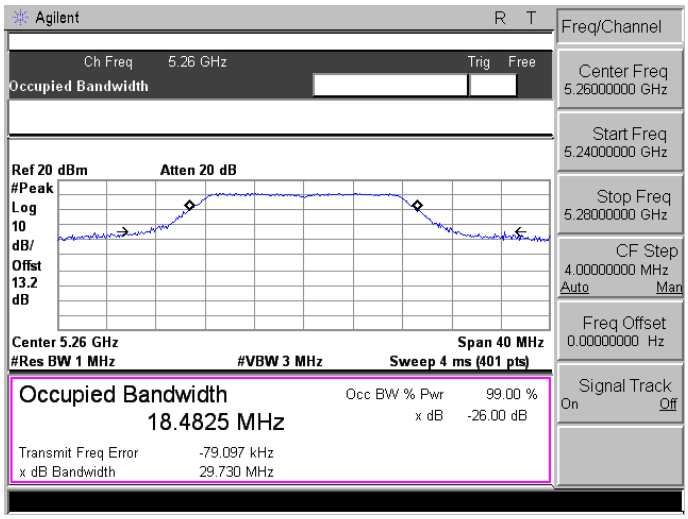
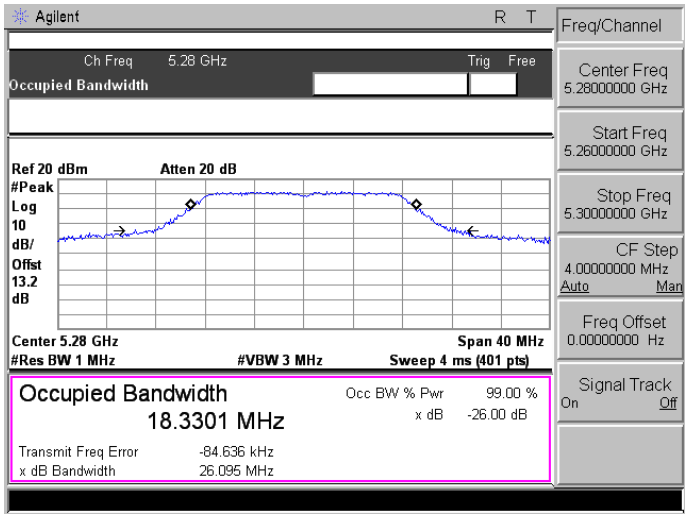
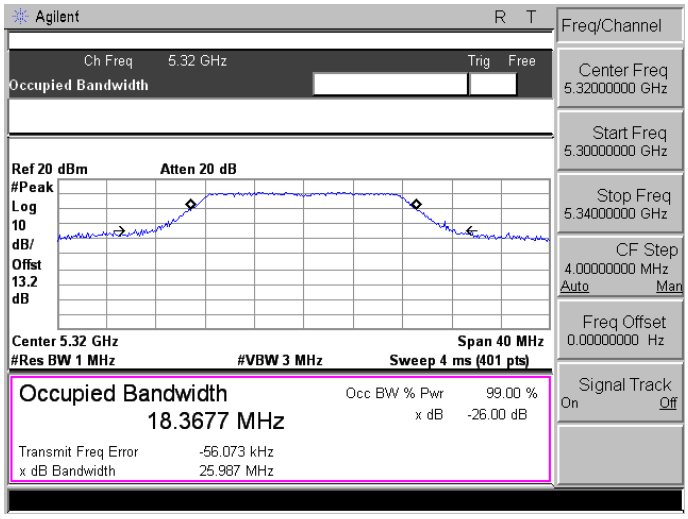
Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5190	42.232	36.0950
5230	42.565	36.1956
5270	42.216	36.1158
5310	41.716	36.0815
5510	42.092	36.0983
5590	42.834	36.0662
5670	41.999	36.0953

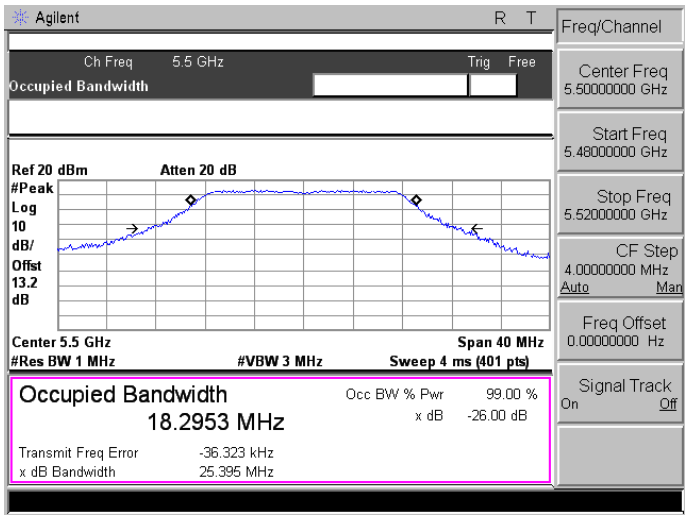
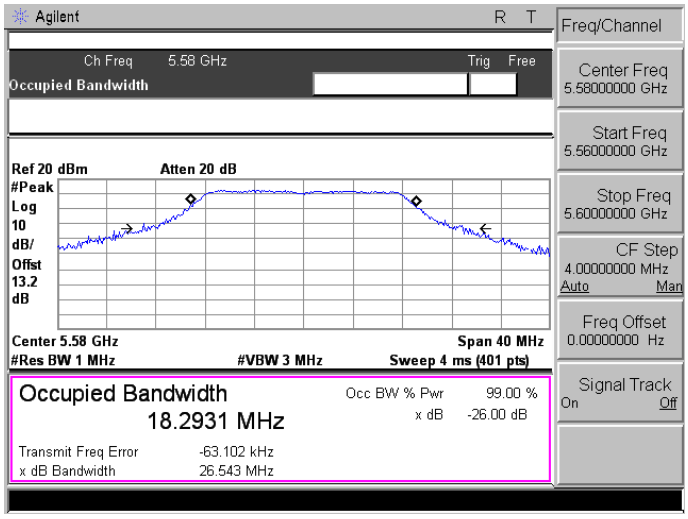
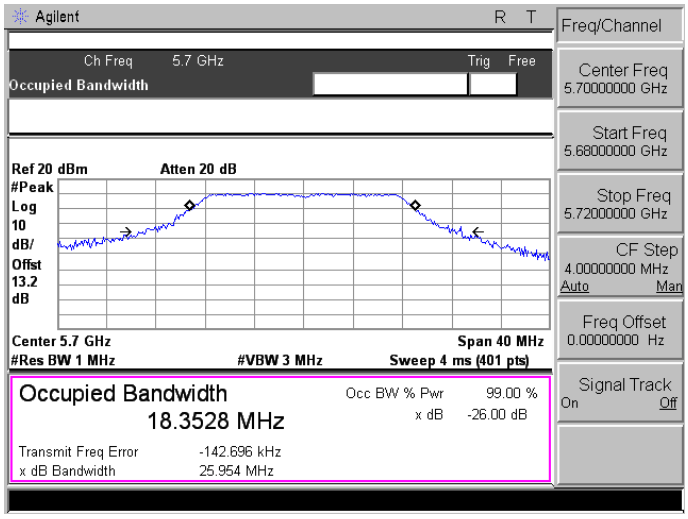
Model Number	ALGIZ 10XB		
Test Item	26dB RF Bandwidth & 99 % Occupied Bandwidth Measurement		
Test Mode	Mode 5: IEEE 802.11ac 80MHz Link Mode		
Date of Test	01/05/2015	Test Site	TE02

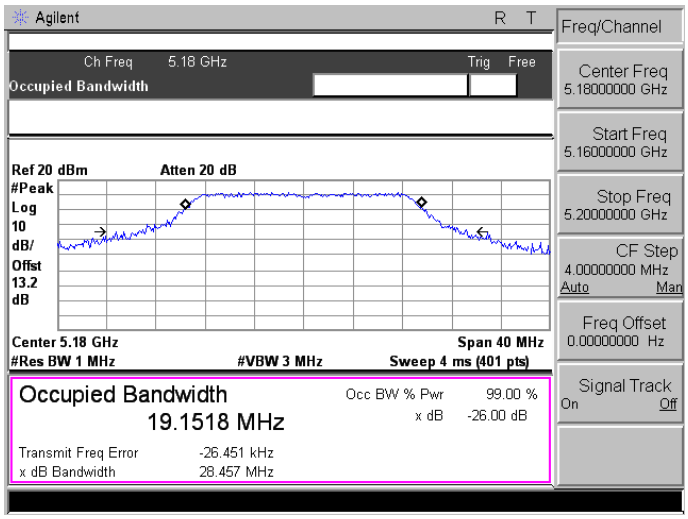
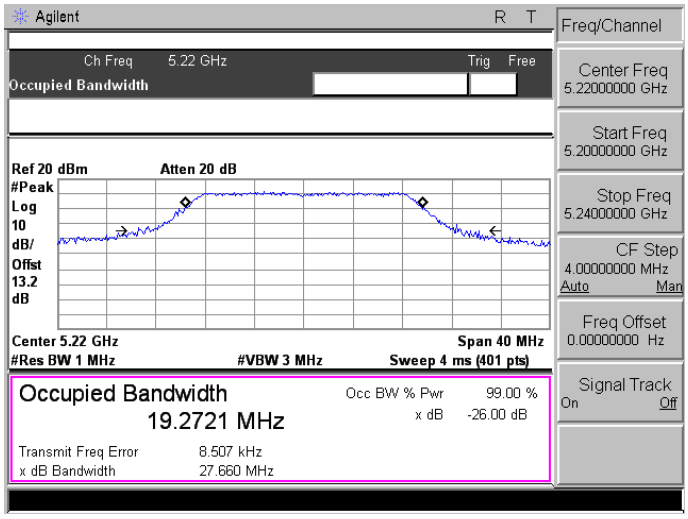
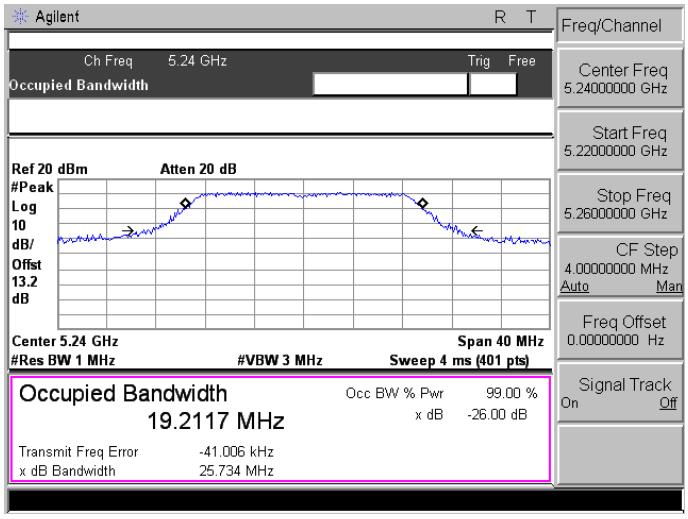
Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5210	81.456	74.5732
5290	89.338	74.6472
5530	80.743	74.3969
5690	80.895	74.4522

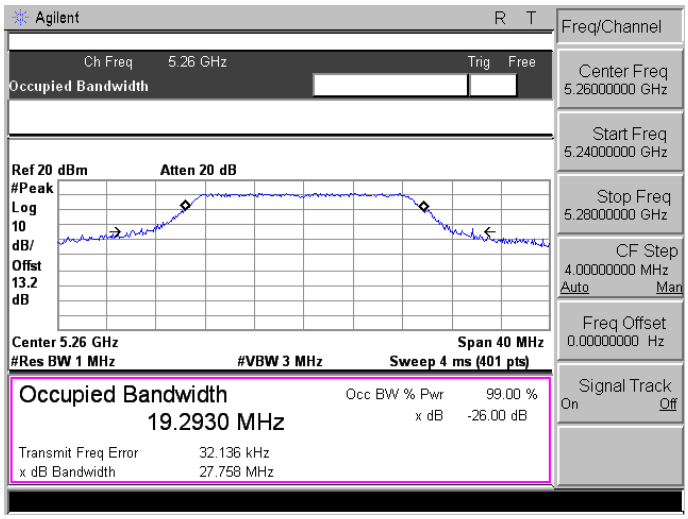
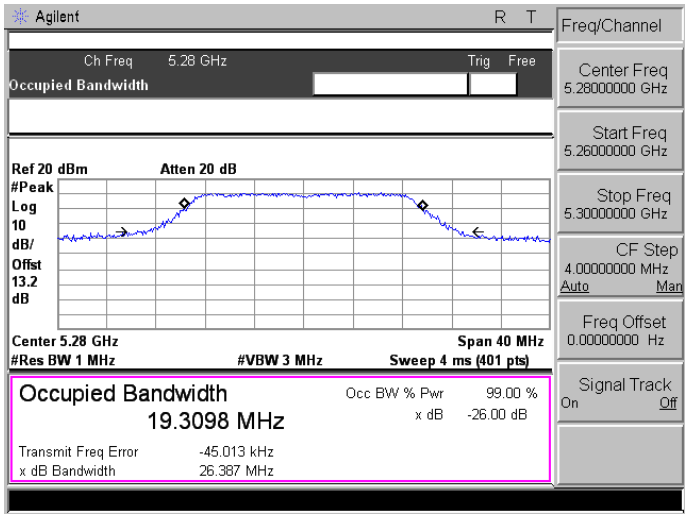
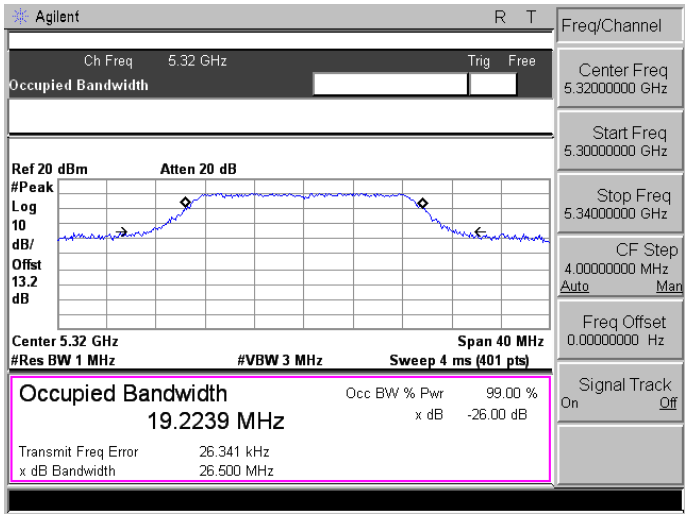
7.6. Test Graphs

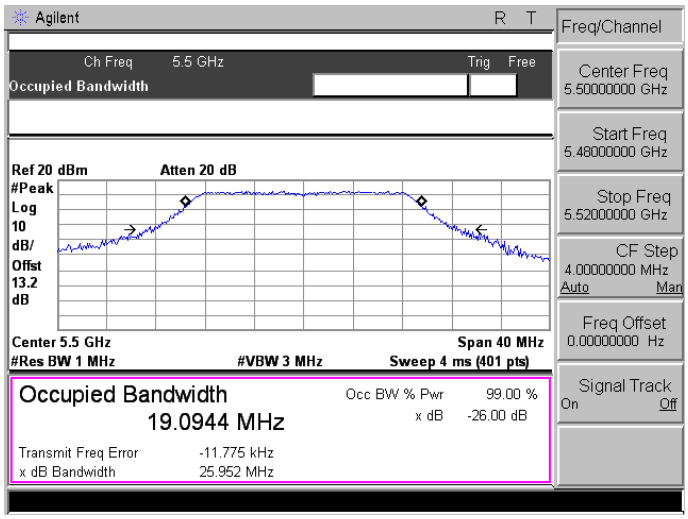
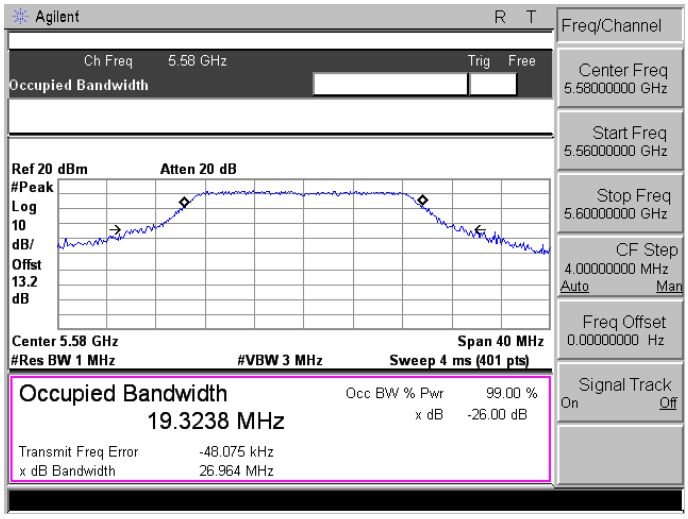
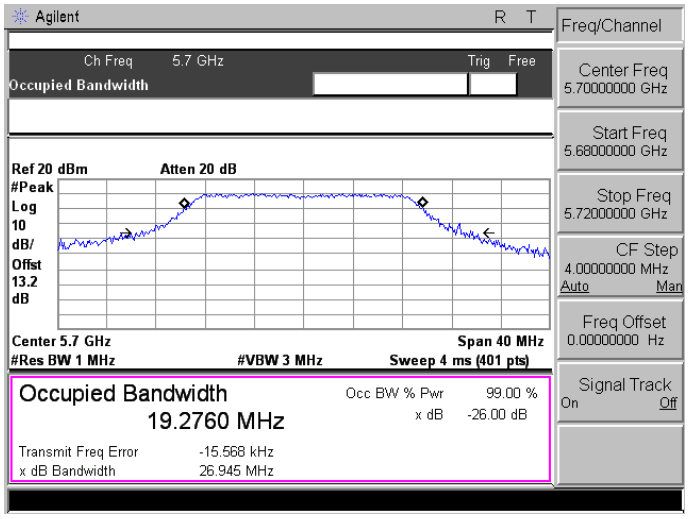
Mode 2: IEEE 802.11a Link Mode	
5180	
5220	
5240	

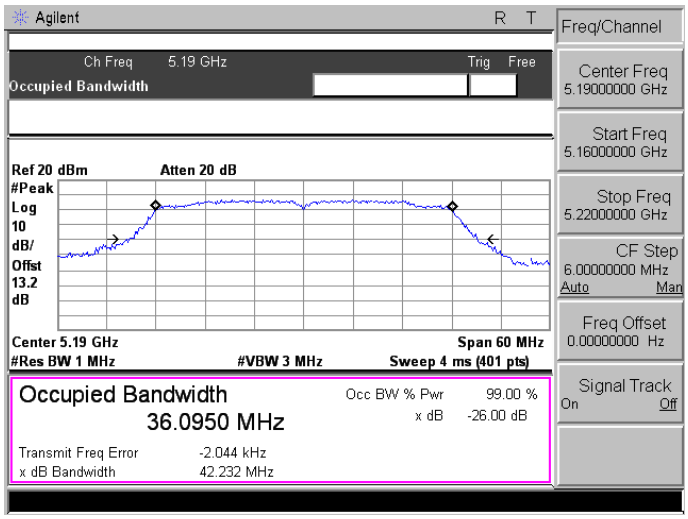
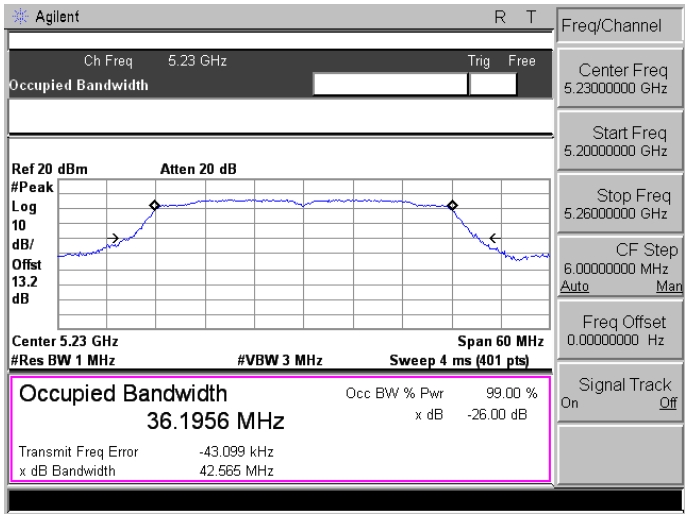
Mode 2: IEEE 802.11a Link Mode	
5260	
5280	
5320	

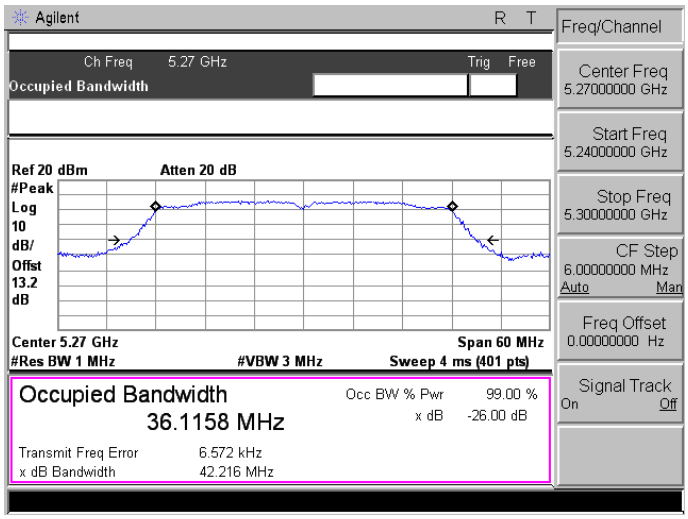
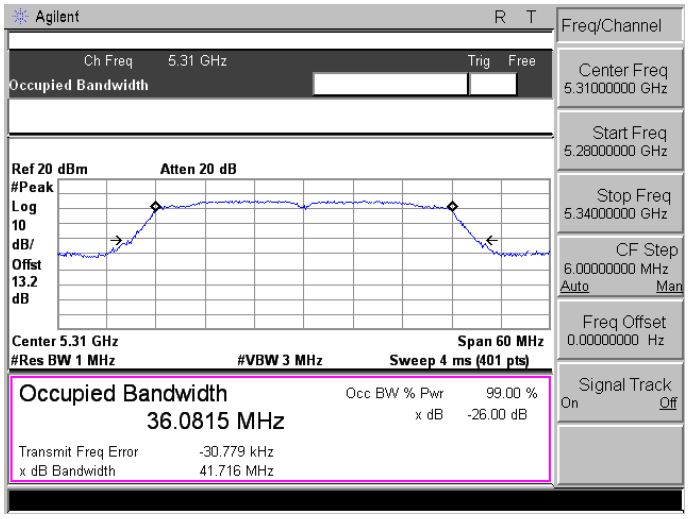
Mode 2: IEEE 802.11a Link Mode	
5500	
5580	
5700	

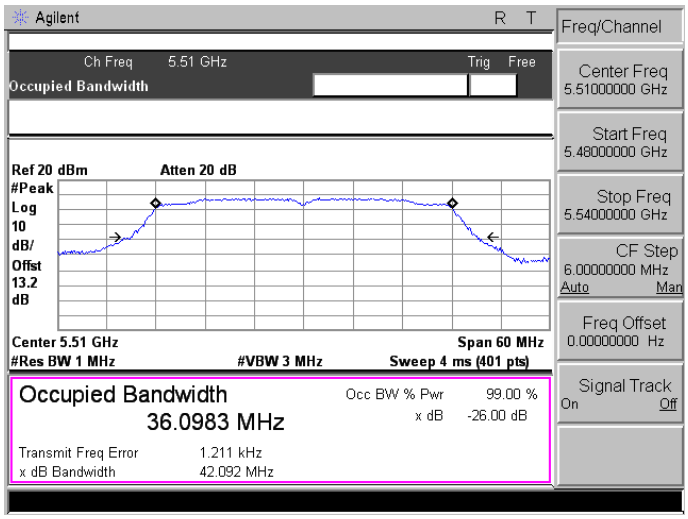
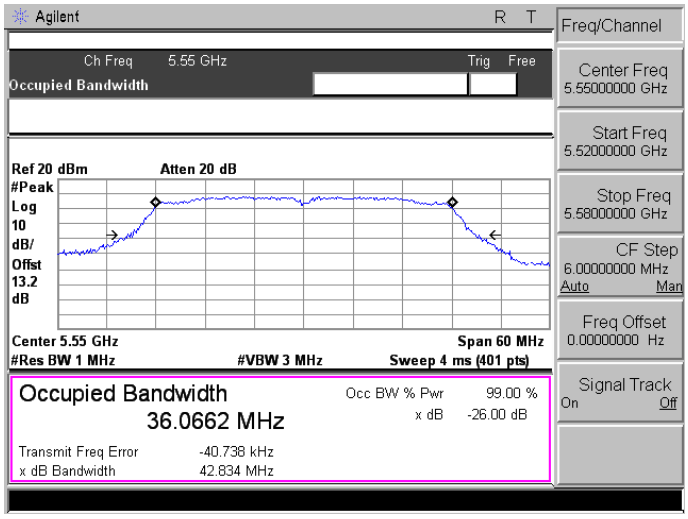
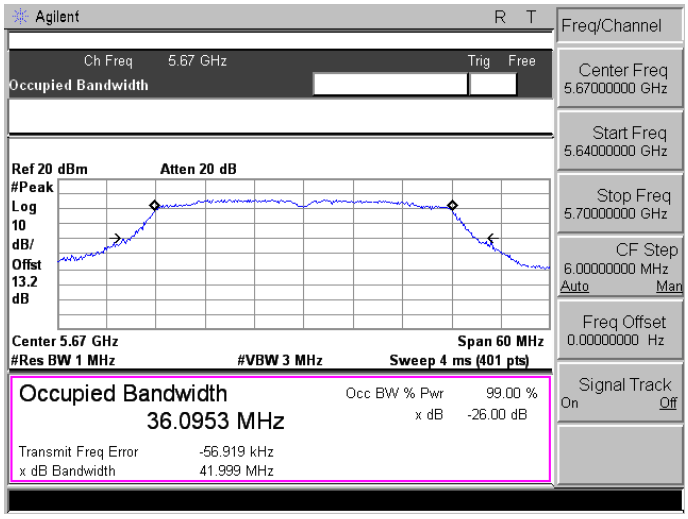
Mode 3: IEEE 802.11n 20MHz Link Mode	
5180	
5220	
5240	

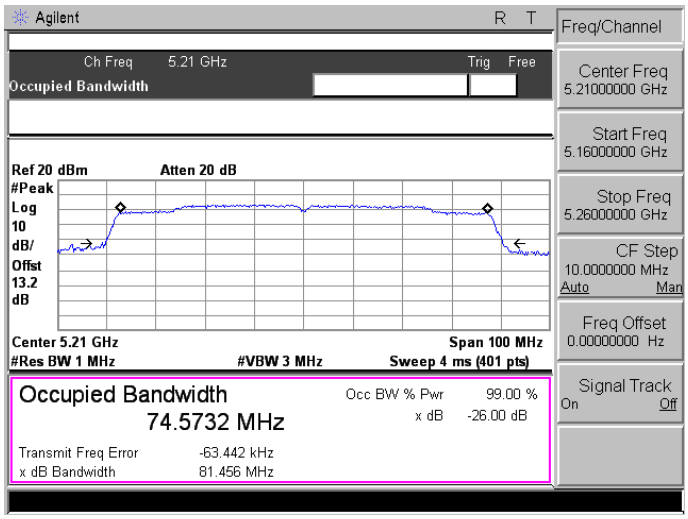
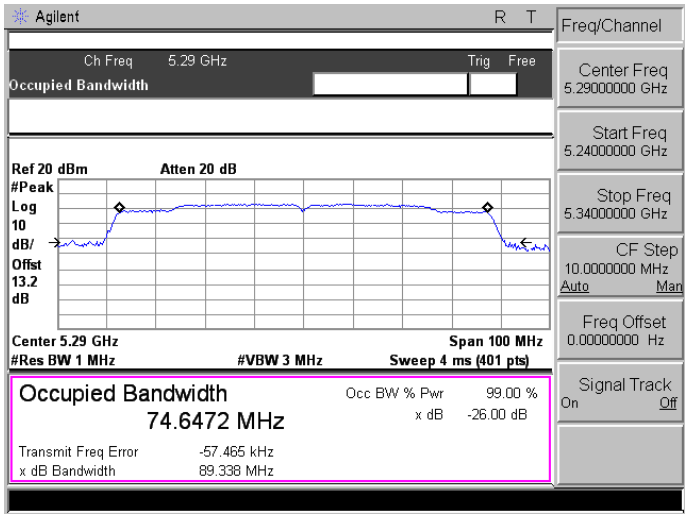
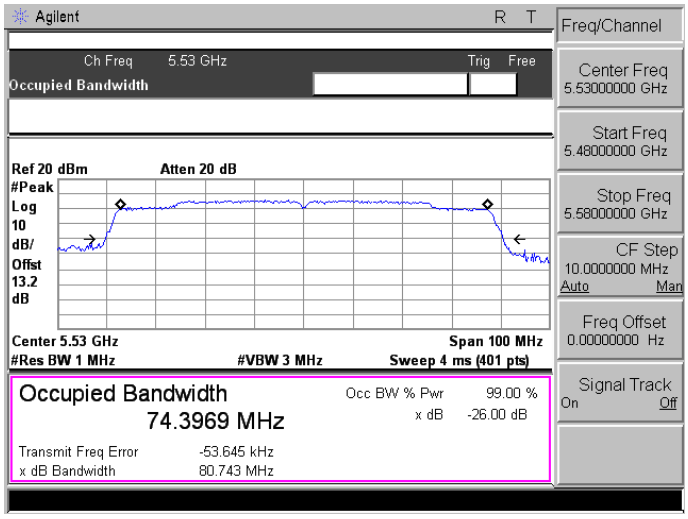
Mode 3: IEEE 802.11n 20MHz Link Mode	
5260	
5280	
5320	

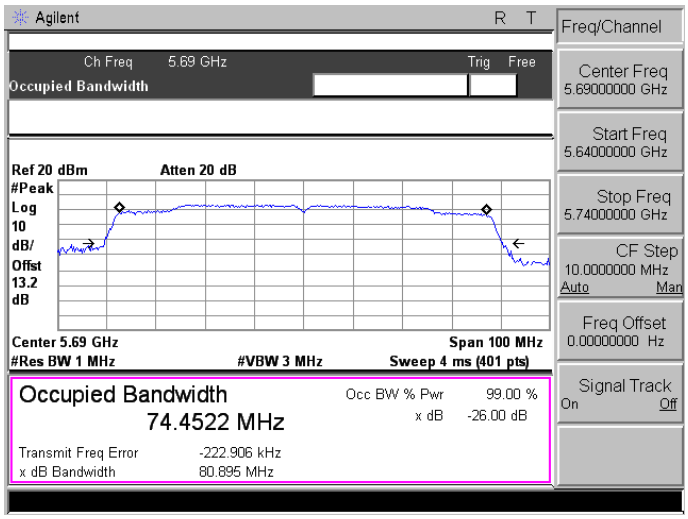
Mode 3: IEEE 802.11n 20MHz Link Mode	
5500	
5580	
5700	

Mode 4: IEEE 802.11n 40MHz Link Mode	
5190	
5230	

Mode 4: IEEE 802.11n 40MHz Link Mode	
5270	
5310	

Mode 4: IEEE 802.11n 40MHz Link Mode	
5510	
5550	
5670	

Mode 5: IEEE 802.11ac 80MHz Link Mode	
5210	
5290	
5530	

Mode 5: IEEE 802.11ac 80MHz Link Mode	
5690	

8 6dB RF Bandwidth & 99 % Occupied Bandwidth Measurement

8.1. Limit

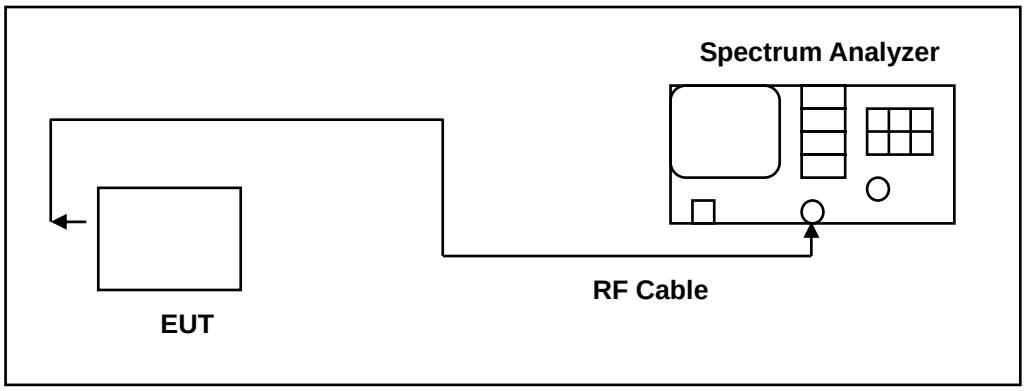
6dB RF Bandwidth

Systems using digital modulation techniques may operate in the 5725~5850MHz bands. The minimum 6 dB band-width shall be at least 500 kHz.

99 % Occupied Bandwidth

N/A

8.2. Test Setup



8.3. Test Instruments

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY45300744	12/16/2014	(1)
Test Site	ATL	TE05	TE05	N.C.R.	-----

dRemark: (1) Calibration period 1 year. (2) Calibration period 2 years. (3) Calibration period 3 years.

Note: N.C.R. = No Calibration Request.

8.4. Test Procedure

6dB RF Bandwidth

The EUT was setup to ANSI C63.4:2014; tested to UNII test procedure of KDB789033 D02 for compliance to FCC 47CFR 15.247 requirements.

The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RES BW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A peak output reading was taken, a DISPLAY line was drawn 6 dB lower than peak level. The 6 dB bandwidth was determined from where the channel output spectrum intersected the display line.

The test was performed at 3 channels.

99 % Occupied Bandwidth

The transmitter shall be operated at its maximum carrier power measured under normal test conditions.

The video bandwidth shall be set to 3 times the resolution bandwidth. Video averaging is not permitted. Where practical, a sampling detector shall be used since a peak or, peak hold, may produce a wider bandwidth than actual.

The trace data points are recovered and are directly summed in linear terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached and that frequency recorded. The process is repeated for the highest frequency data points. This frequency is recorded.

8.5. Test Result

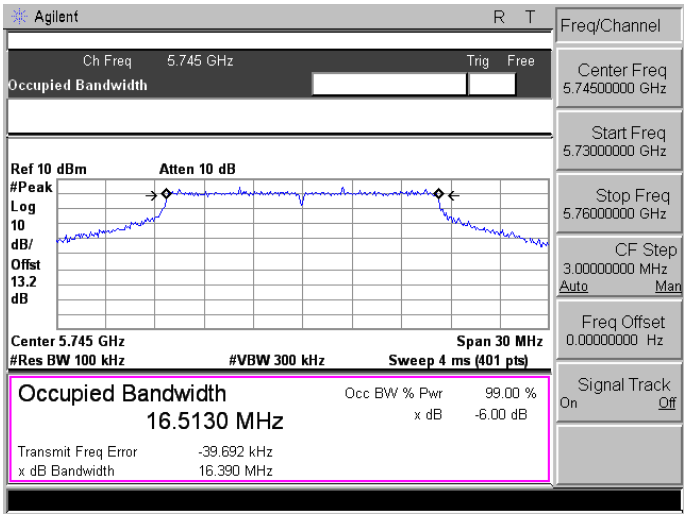
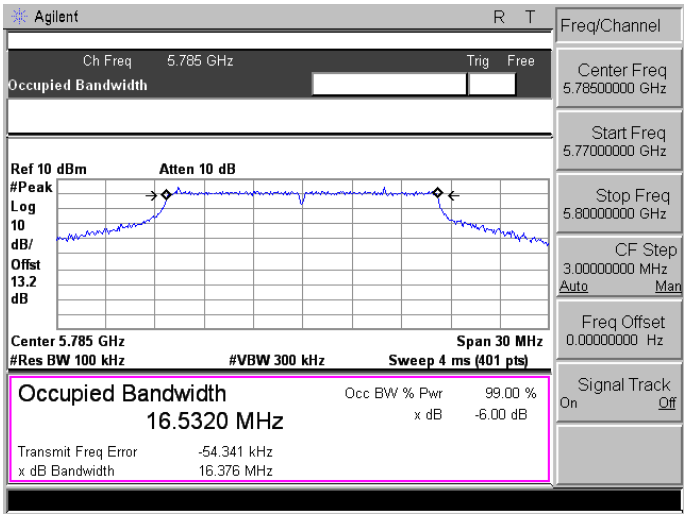
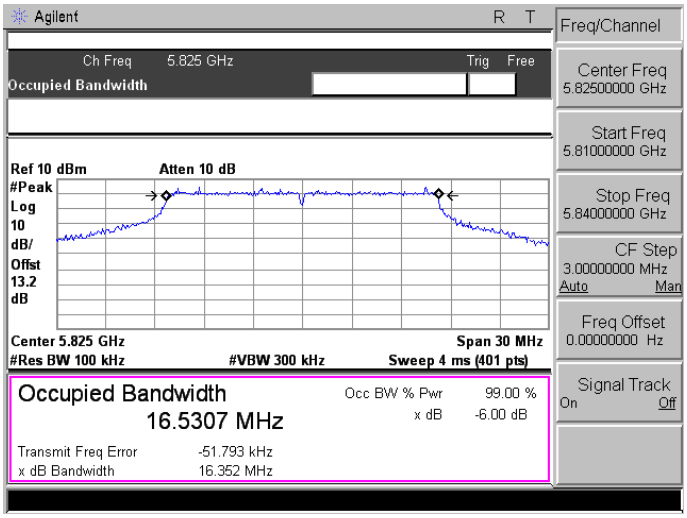
Model Number	ALGIZ 10XB			
Test Item	6dB RF Bandwidth & 99 % Occupied Bandwidth			
Test Mode	Mode 2: IEEE 802.11a Link Mode			
Date of Test	07/17/2014		Test Site	TE05
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	6dB Bandwidth Limit (kHz)	
5745	16.390	16.5130	> 500	
5785	16.376	16.5320	> 500	
5825	16.352	16.5307	> 500	

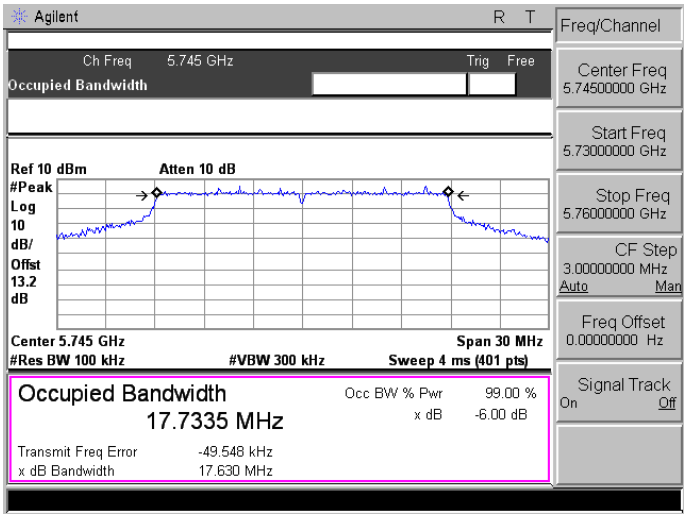
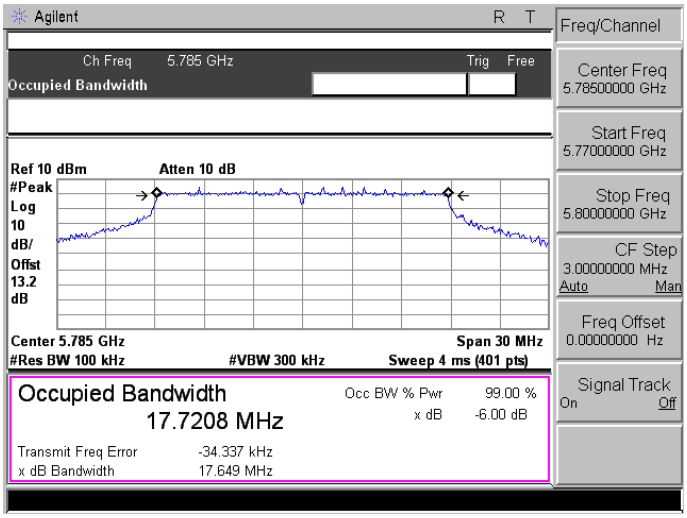
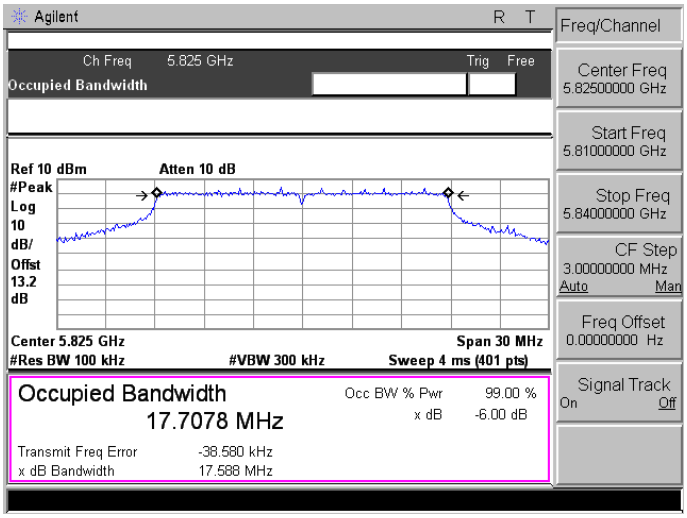
Model Number	ALGIZ 10XB			
Test Item	6dB RF Bandwidth & 99 % Occupied Bandwidth			
Test Mode	Mode 3: IEEE 802.11n 20MHz Link Mode			
Date of Test	07/17/2014		Test Site	TE05
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	6dB Bandwidth Limit (kHz)	
5745	17.630	17.7335	> 500	
5785	17.649	17.7208	> 500	
5825	17.588	17.7078	> 500	

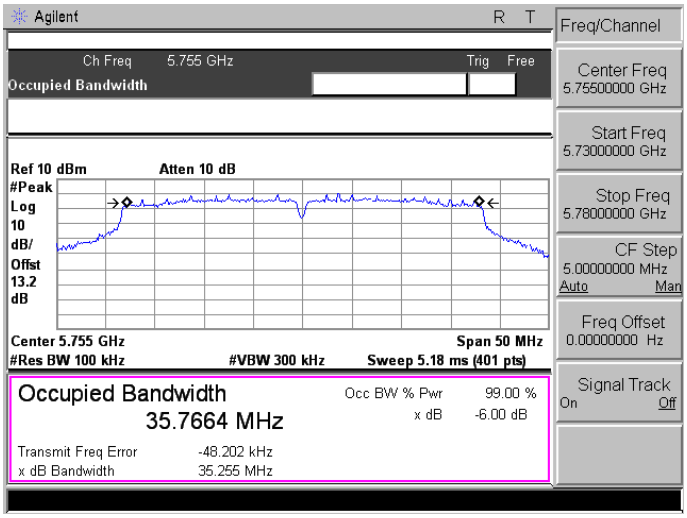
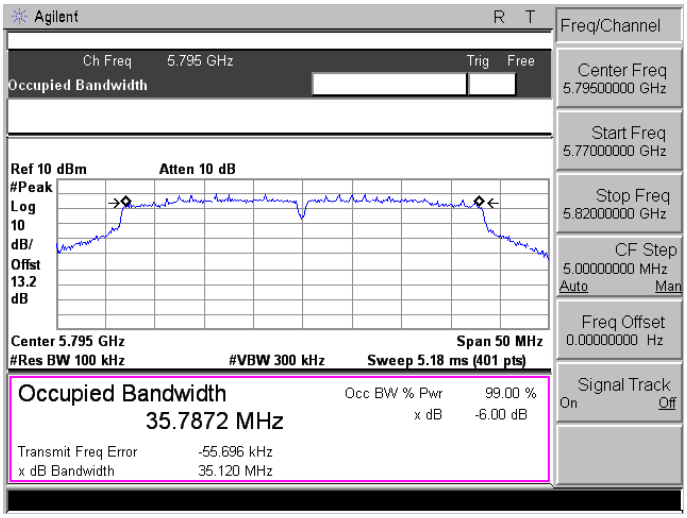
Model Number	ALGIZ 10XB			
Test Item	6dB RF Bandwidth & 99 % Occupied Bandwidth			
Test Mode	Mode 4: IEEE 802.11n 40MHz Link Mode			
Date of Test	07/17/2014		Test Site	TE05
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	6dB Bandwidth Limit (kHz)	
5755	35.255	35.7664	> 500	
5795	35.120	35.7872	> 500	

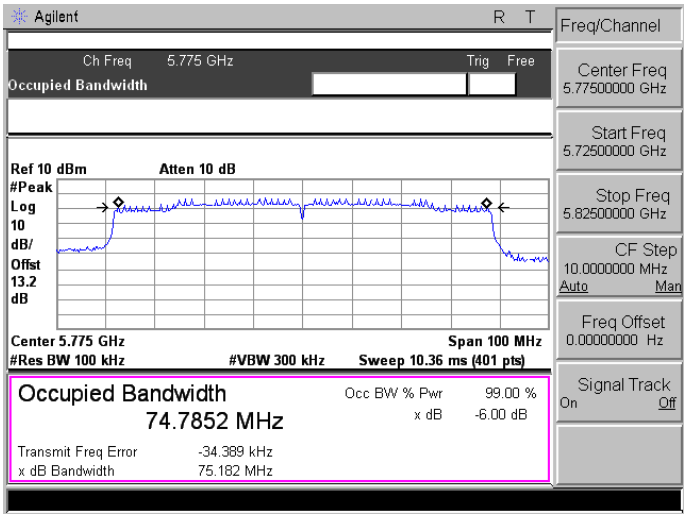
Model Number	ALGIZ 10XB			
Test Item	6dB RF Bandwidth & 99 % Occupied Bandwidth			
Test Mode	Mode 5: IEEE 802.11ac 80MHz Link Mode			
Date of Test	07/17/2014		Test Site	TE05
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	6dB Bandwidth Limit (kHz)	
5775	75.182	74.7852	> 500	

8.6. Test Graphs

Mode 2: IEEE 802.11a Link Mode	
5745	
5785	
5825	

Mode 3: IEEE 802.11n 20MHz Link Mode	
5745	
5785	
5825	

Mode 4: IEEE 802.11n 40MHz Link Mode	
5755	
5795	

Mode 5: IEEE 802.11ac 80MHz Link Mode	
5775	

9 Peak Power Spectral Density Measurement

9.1. Limit

Conducted power spectral density

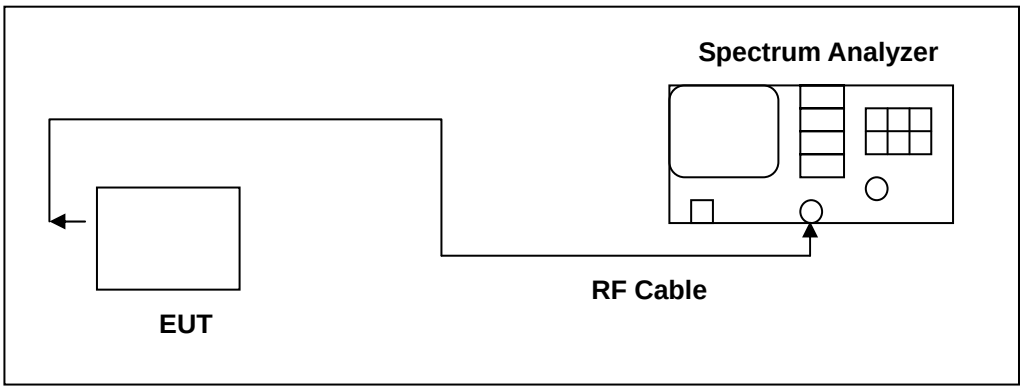
Frequency Range (MHz)	FCC Limit
5.150 ~ 5.250 GHz	11 dBm/MHz
5.250 ~ 5.350 GHz	11 dBm/MHz
5.470 ~ 5.725 GHz	11 dBm/MHz
5.725 ~ 5.850 GHz	30 dBm/500KHz

Frequency Range (MHz)	IC Limit
5.150 ~ 5.250 GHz	N/A
5.250 ~ 5.350 GHz	11 dBm/MHz
5.470 ~ 5.600 GHz and 5650~5725MHz	11 dBm/MHz
5.725 ~ 5.825 GHz	17 dBm/MHz

EIRP spectral density

Frequency Range (MHz)	IC Limit
5.150 ~ 5.250 GHz	10 dBm/MHz
5.250 ~ 5.350 GHz	N/A
5.470 ~ 5.600 GHz and 5650~5725MHz	N/A
5.725 ~ 5.825 GHz	N/A

9.2. Test Setup



9.3. Test Instruments

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4445A	MY45300744	12/16/2014	(1)
Test Site	ATL	TE02	TE02	N.C.R.	-----

Remark: (1) Calibration period 1 year. (2) Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

9.4. Test Procedure

The test is performed in accordance with KDB789033: D02 General UNII Test Procedures New Rules v01, Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices - Part 15, Subpart E.

9.5. Test Result

Model Number	ALGIZ 10XB		
Test Item	Conducted power spectral density		
Test Mode	Mode 2: IEEE 802.11a Link Mode		
Date of Test	01/05/2015	Test Site	TE02

Frequency (MHz)	Measurement (dBm/MHz)	FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)
5180	2.742	< 11	N/A
5220	3.354		
5240	3.710		
5260	2.764	< 11	< 11
5280	2.515		
5320	2.225		
5500	3.812	< 11	< 11
5580	4.276		
5700	3.999		

Frequency (MHz)	Measurement (dBm/100KHz)	Measurement (dBm/500KHz)	Measurement (dBm/MHz)	FCC Limit (dBm/500KHz)	IC Limit (dBm/MHz)
5745	5.15	12.14	15.15	< 30	< 17
5785	5.15	12.14	15.15		
5825	4.61	11.60	14.61		

Model Number	ALGIZ 10XB		
Test Item	Conducted power spectral density		
Test Mode	Mode 3: IEEE 802.11n 20MHz Link Mode		
Date of Test	01/05/2015	Test Site	TE02

Frequency (MHz)	Measurement (dBm/MHz)	FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)
5180	2.923	< 11	N/A
5220	2.819		
5240	2.424		
5260	2.452	< 11	< 11
5280	3.116		
5320	2.720		
5500	3.902	< 11	< 11
5580	3.883		
5700	3.676		

Frequency (MHz)	Measurement (dBm/100KHz)	Measurement (dBm/500KHz)	Measurement (dBm/MHz)	FCC Limit (dBm/500KHz)	IC Limit (dBm/MHz)
5745	5.24	12.22	15.24	< 30	< 17
5785	5.09	12.07	15.09		
5825	4.94	11.93	14.94		

Model Number	ALGIZ 10XB				
Test Item	Conducted power spectral density				
Test Mode	Mode 4: IEEE 802.11n 40MHz Link Mode				
Date of Test	01/05/2015		Test Site	TE02	
Frequency (MHz)	Measurement (dBm/MHz)			FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)
5190	-2.368			< 11	N/A
5230	-2.384				
5270	-1.926			< 11	< 11
5310	-2.379				
5510	-1.300			< 11	< 11
5590	-0.472				
5670	-1.264				
Frequency (MHz)	Measurement (dBm/100KHz)	Measurement (dBm/500KHz)	Measurement (dBm/MHz)	FCC Limit (dBm/500KHz)	IC Limit (dBm/MHz)
5755	0.60	7.58	10.60	< 30	< 17
5795	0.39	7.38	10.39		

Model Number	ALGIZ 10XB				
Test Item	Conducted power spectral density				
Test Mode	Mode 5: IEEE 802.11ac 80MHz Link Mode				
Date of Test	01/05/2015		Test Site	TE02	
Frequency (MHz)	Measurement (dBm/MHz)			FCC Limit (dBm/MHz)	IC Limit (dBm/MHz)
5210	-4.599			< 11	N/A
5290	-4.686			< 11	< 11
5530	-3.524			< 11	< 11
5690	-3.434				< 11
Frequency (MHz)	Measurement (dBm/100KHz)	Measurement (dBm/500KHz)	Measurement (dBm/MHz)	FCC Limit (dBm/500KHz)	IC Limit (dBm/MHz)
5775	-1.93	5.06	8.07	< 30	< 17

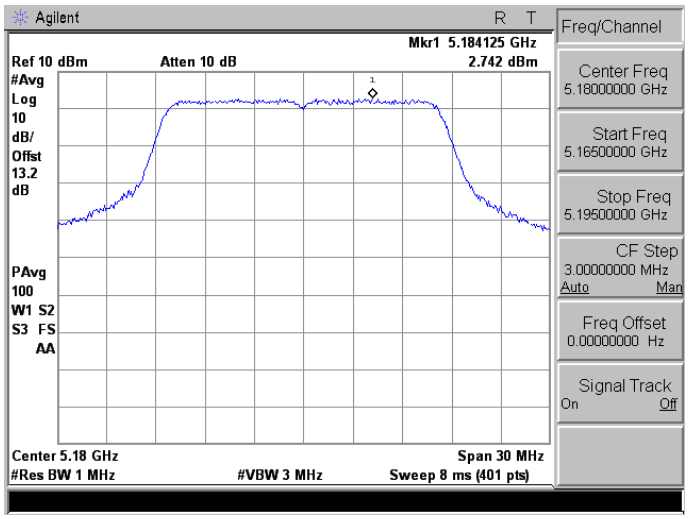
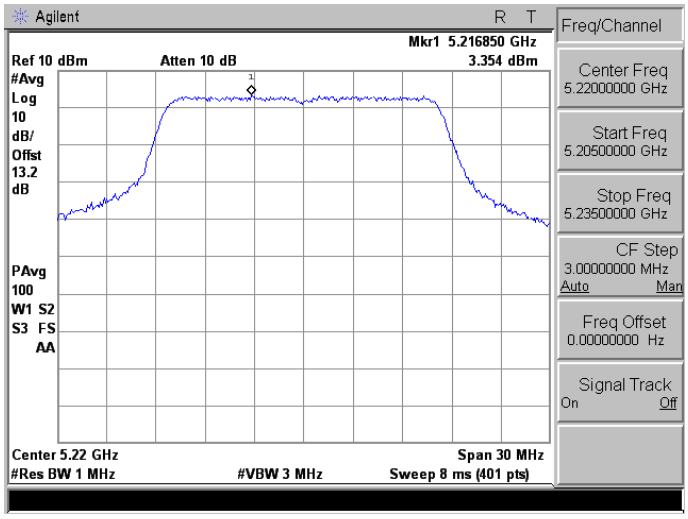
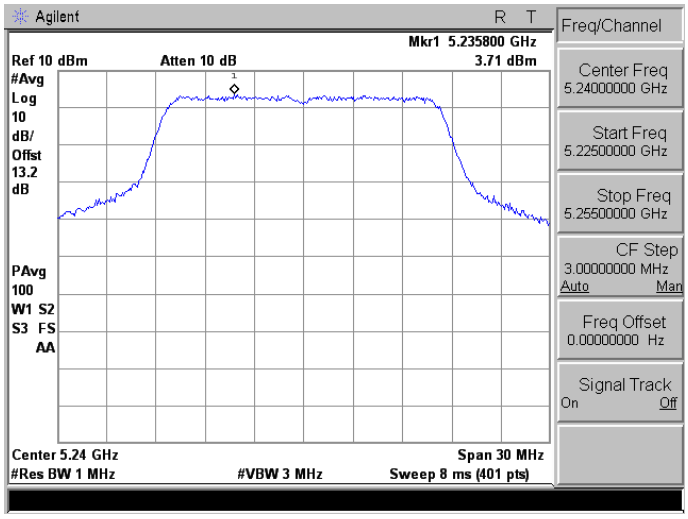
Model Number	ALGIZ 10XB			
Test Item	EIRP spectral density			
Test Mode	Mode 2: IEEE 802.11a Link Mode			
Date of Test	01/05/2015	Test Site		TE02
Frequency (MHz)	Measurement (dBm/MHz)	Antenna Gain (dBi)	EIRP spectral density (dBmm/MHz)	IC Limit (dBm/MHz)
5180	2.742	2.92	5.662	< 10
5220	3.354	2.92	6.274	
5240	3.710	2.92	6.630	

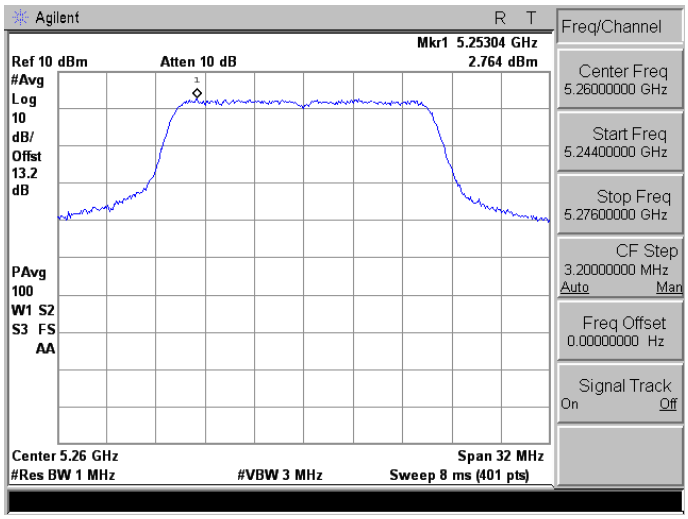
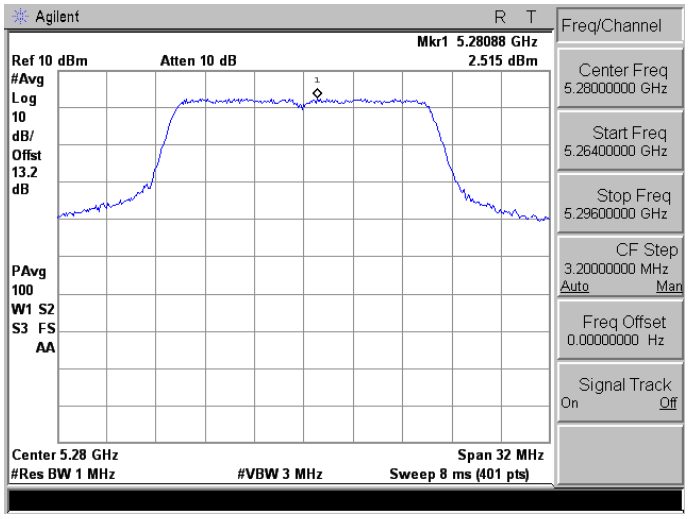
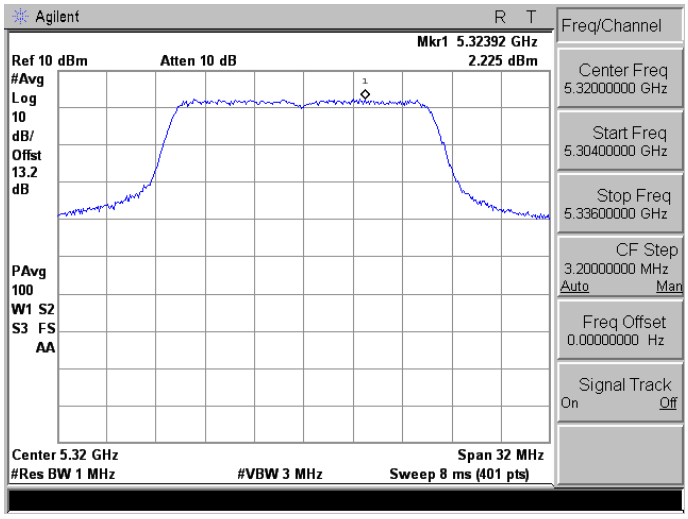
Model Number	ALGIZ 10XB			
Test Item	EIRP spectral density			
Test Mode	Mode 3: IEEE 802.11n 20MHz Link Mode			
Date of Test	01/05/2015	Test Site		TE02
Frequency (MHz)	Measurement (dBm/MHz)	Antenna Gain (dBi)	EIRP spectral density (dBm/MHz)	IC Limit (dBm/MHz)
5180	2.923	2.92	5.843	< 10
5220	2.819	2.92	5.739	
5240	2.424	2.92	5.344	

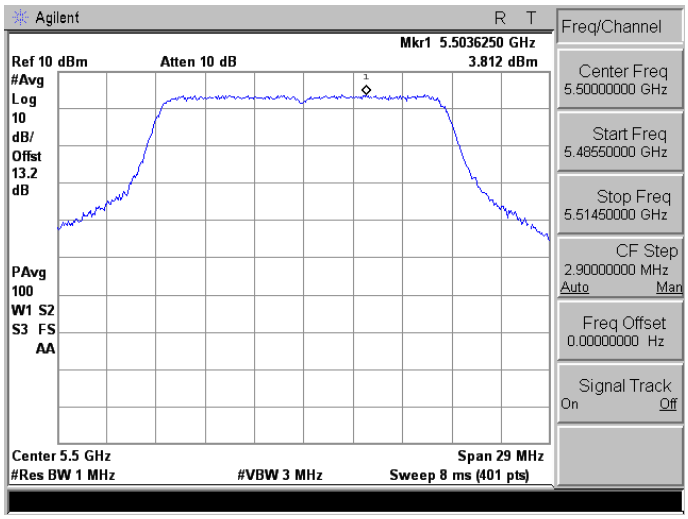
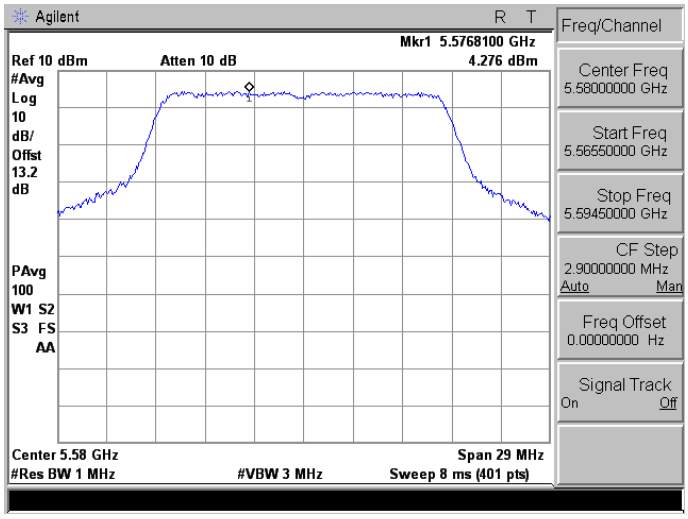
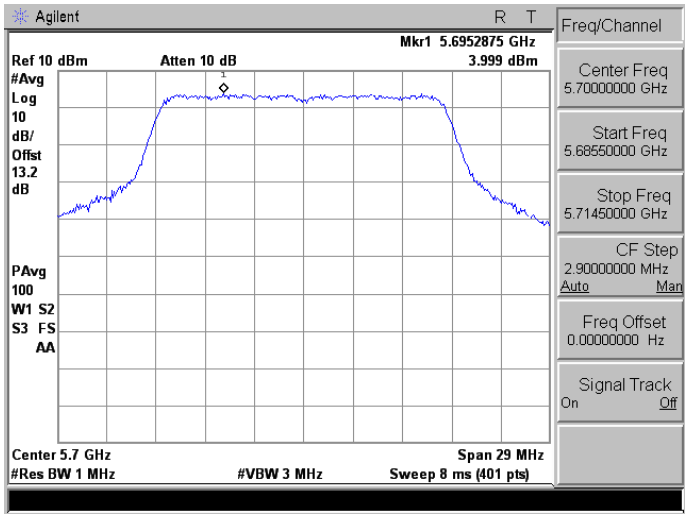
Model Number	ALGIZ 10XB			
Test Item	EIRP spectral density			
Test Mode	Mode 4: IEEE 802.11n 40MHz Link Mode			
Date of Test	01/05/2015	Test Site		TE02
Frequency (MHz)	Measurement (dBm/MHz)	Antenna Gain (dBi)	EIRP spectral density (dBm/MHz)	IC Limit (dBm/MHz)
5190	-2.368	2.92	0.552	< 10
5230	-2.384	2.92	0.536	

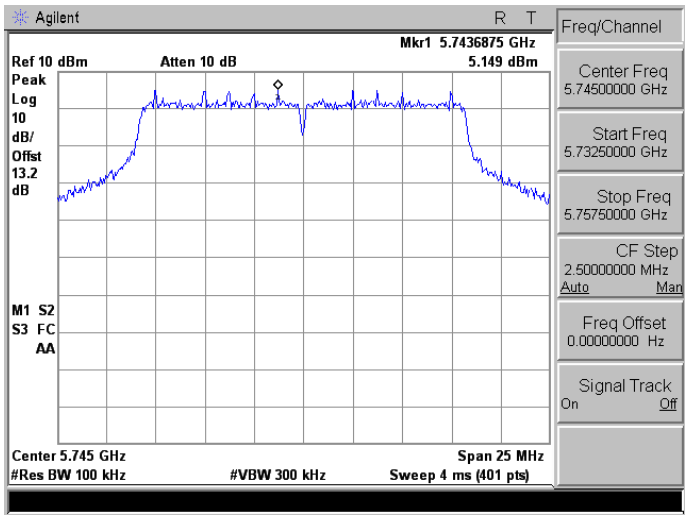
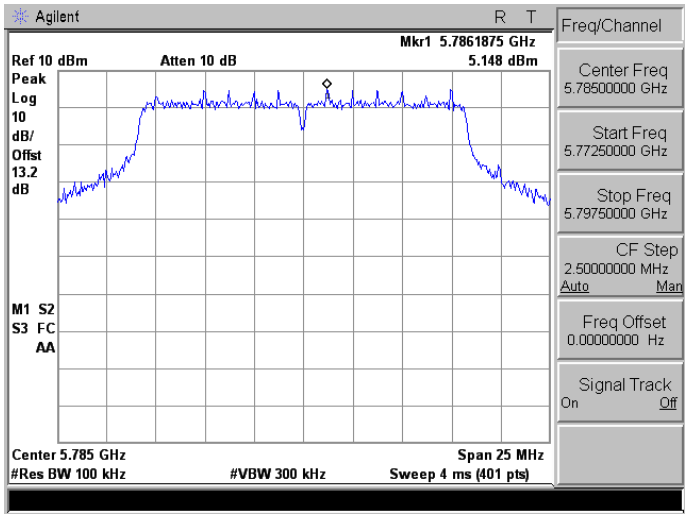
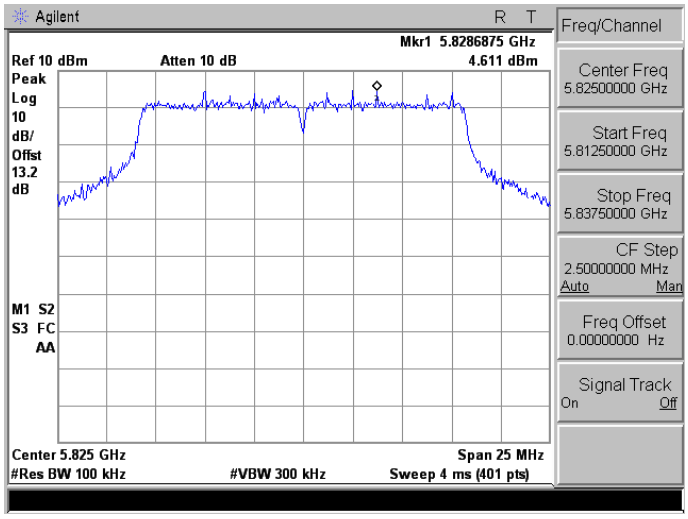
Model Number	ALGIZ 10XB			
Test Item	EIRP spectral density			
Test Mode	Mode 5: IEEE 802.11ac 80MHz Link Mode			
Date of Test	01/05/2015	Test Site		TE02
Frequency (MHz)	Measurement (dBm/MHz)	Antenna Gain (dBi)	EIRP spectral density (dBm/MHz)	IC Limit (dBm/MHz)
5210	-4.599	2.92	-1.679	< 10

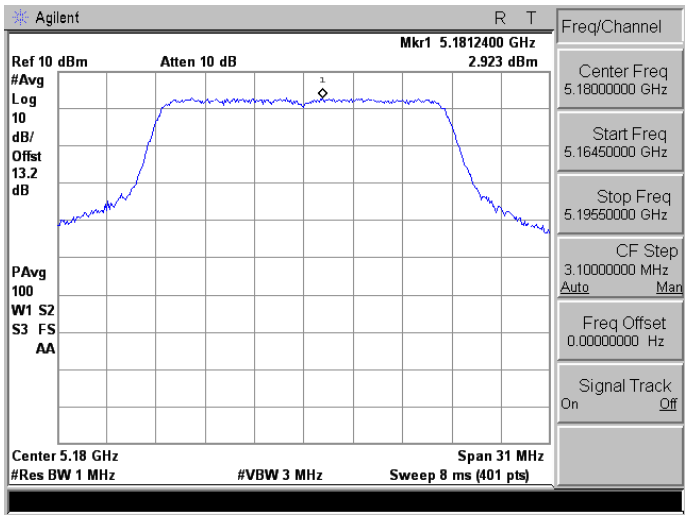
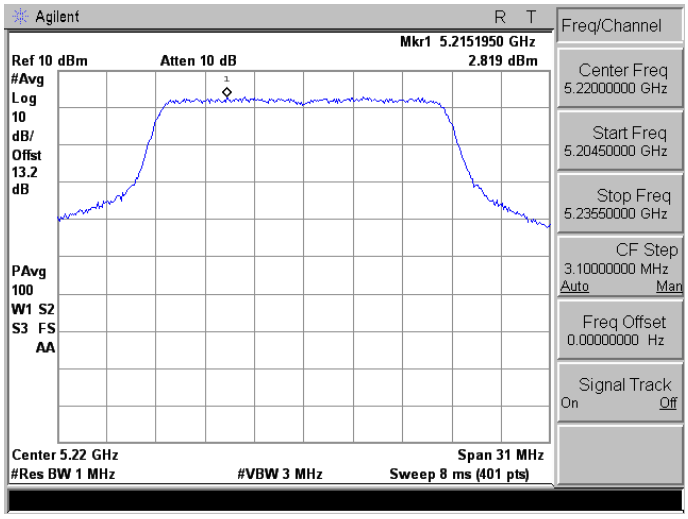
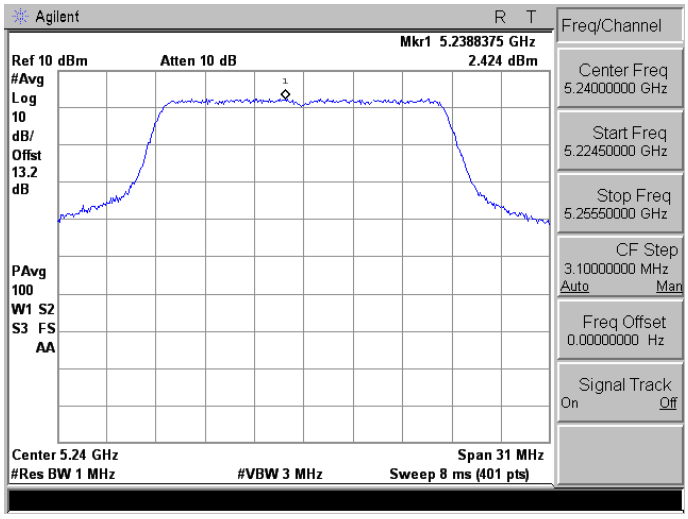
9.6. Test Graphs

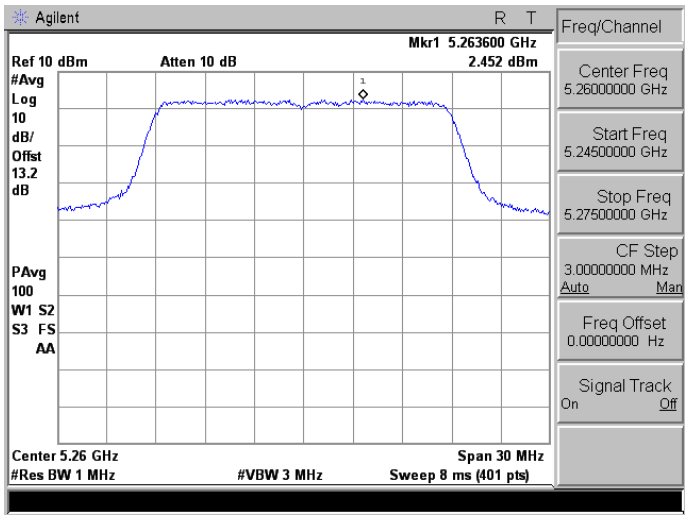
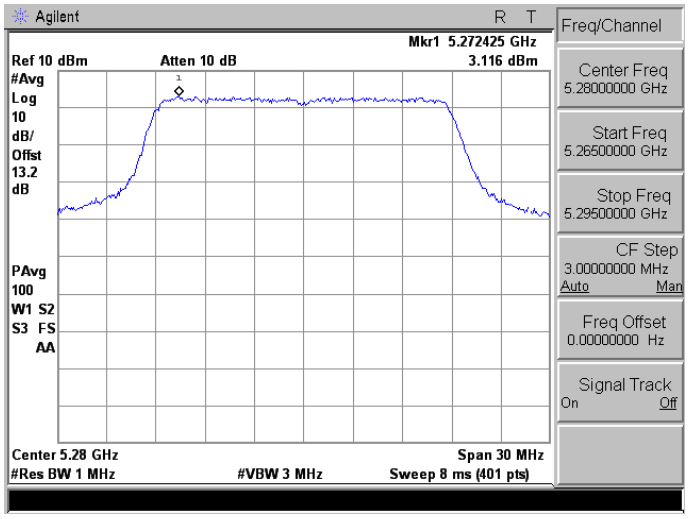
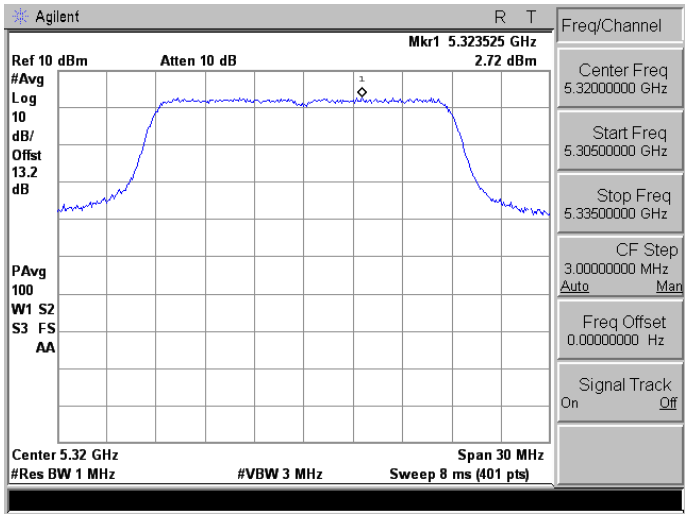
Mode 2: IEEE 802.11a Link Mode	
5180	
5220	
5240	

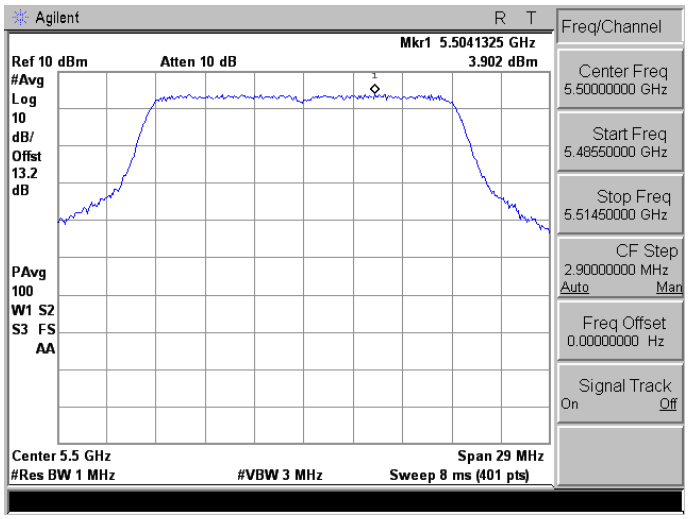
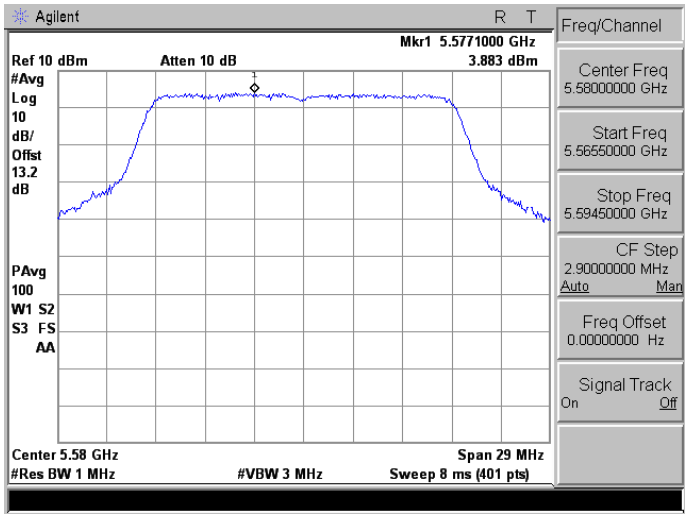
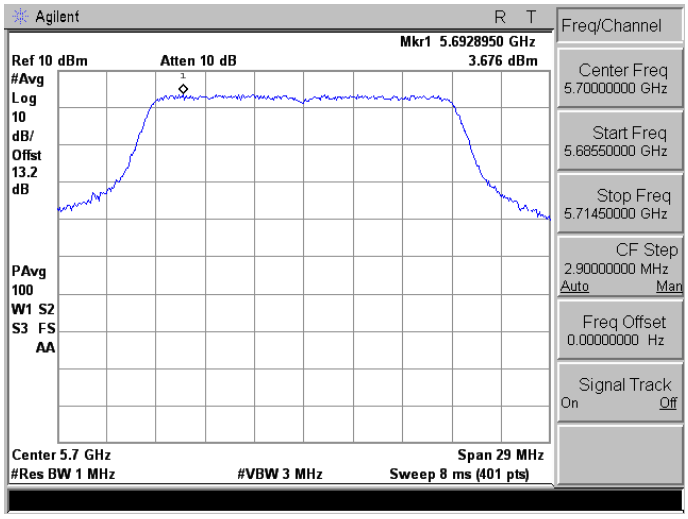
Mode 2: IEEE 802.11a Link Mode	
5260	
5280	
5320	

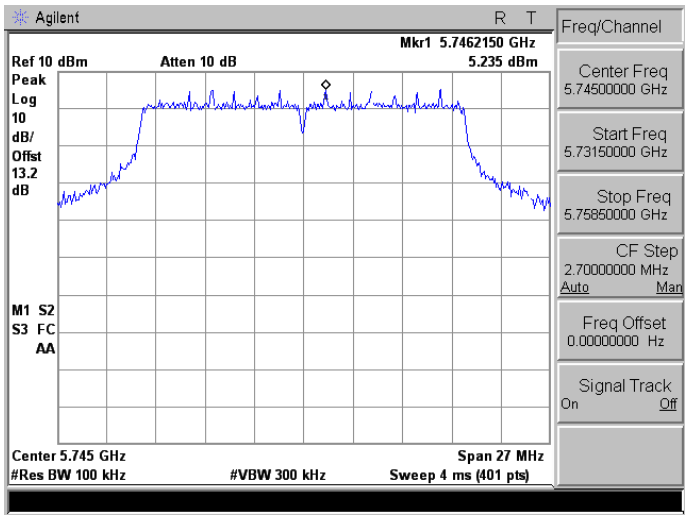
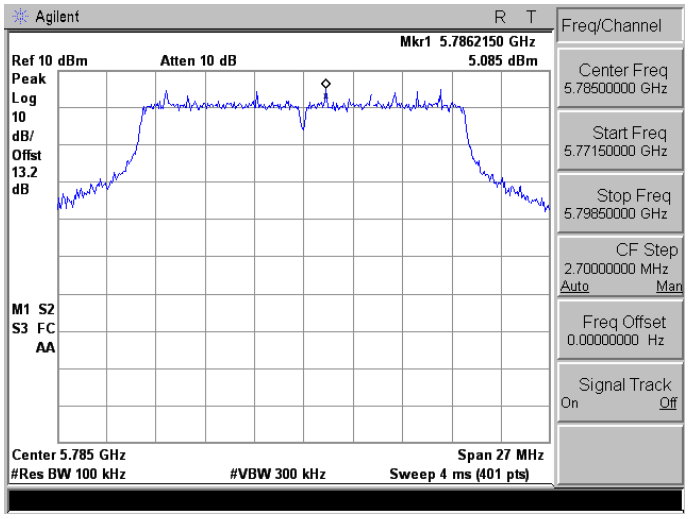
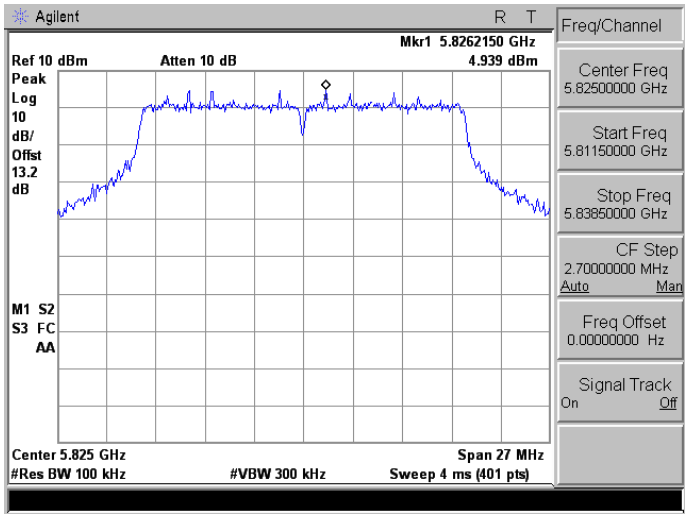
Mode 2: IEEE 802.11a Link Mode	
5500	
5580	
5700	

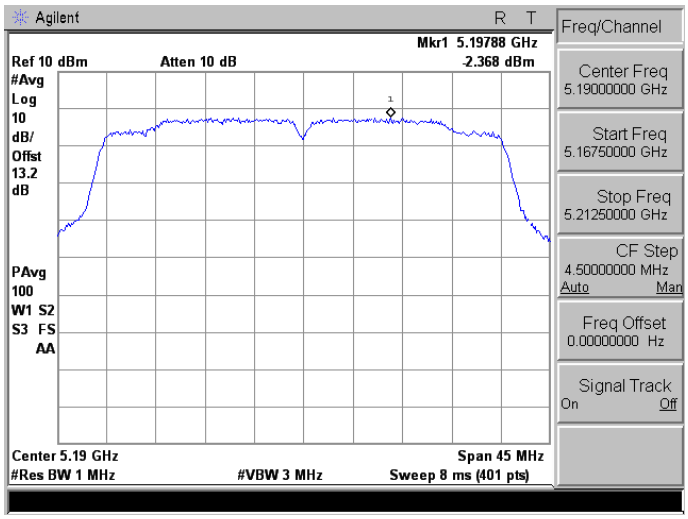
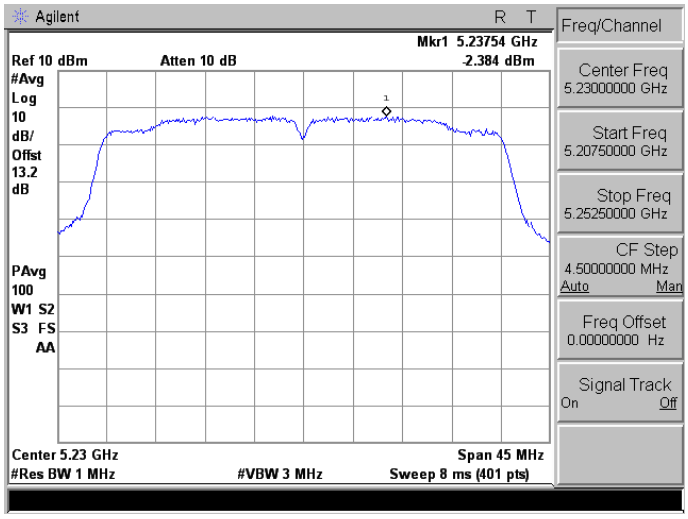
Mode 2: IEEE 802.11a Link Mode	
5745	
5785	
5825	

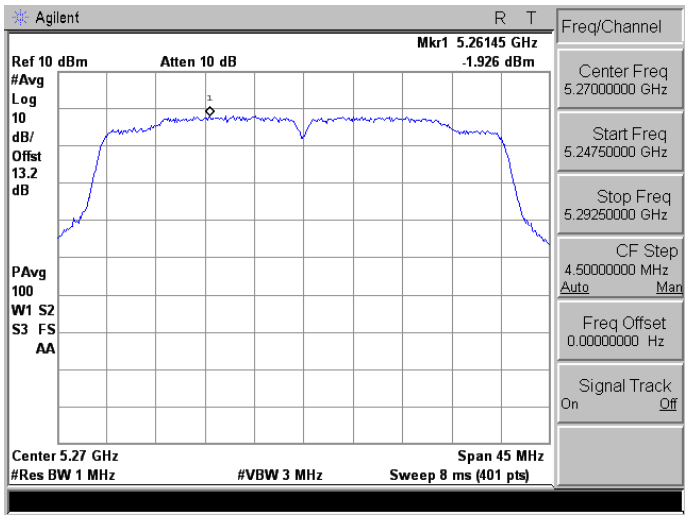
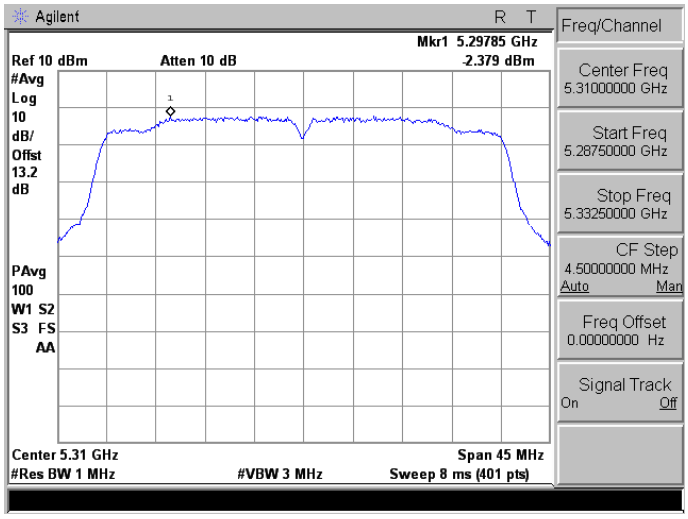
Mode 3: IEEE 802.11n 20MHz Link Mode	
5180	
5220	
5240	

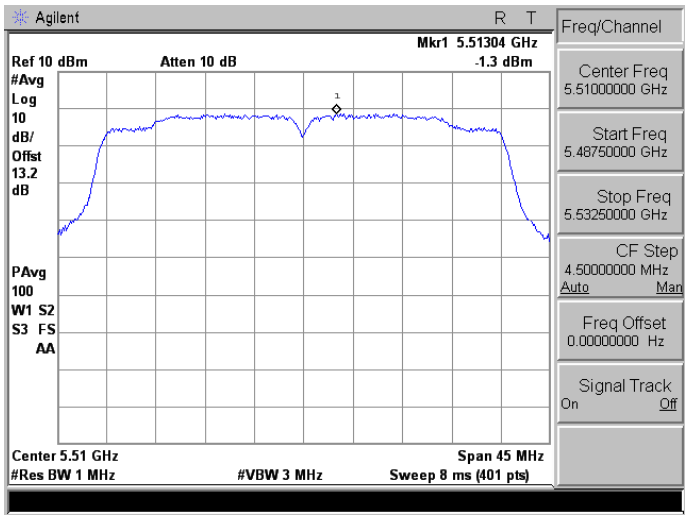
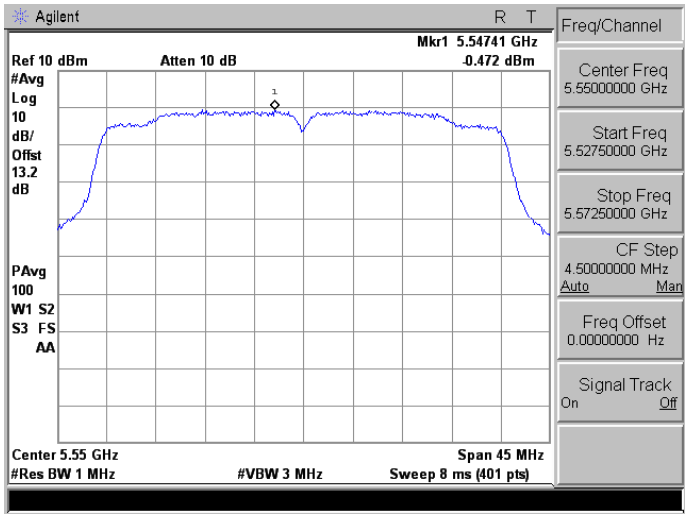
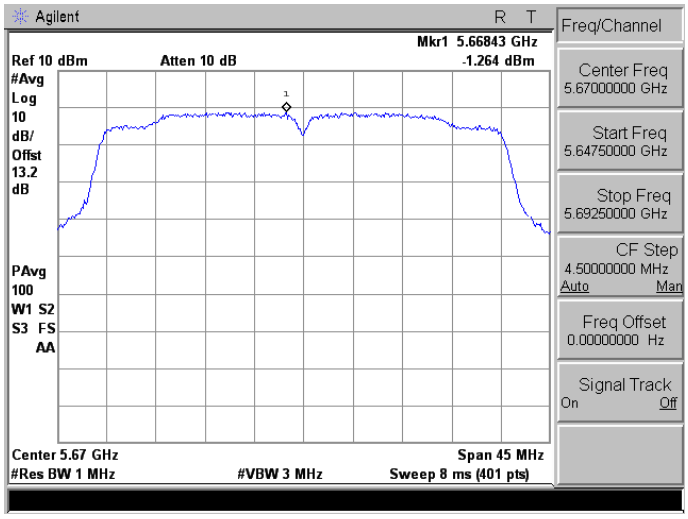
Mode 3: IEEE 802.11n 20MHz Link Mode	
5260	
5280	
5320	

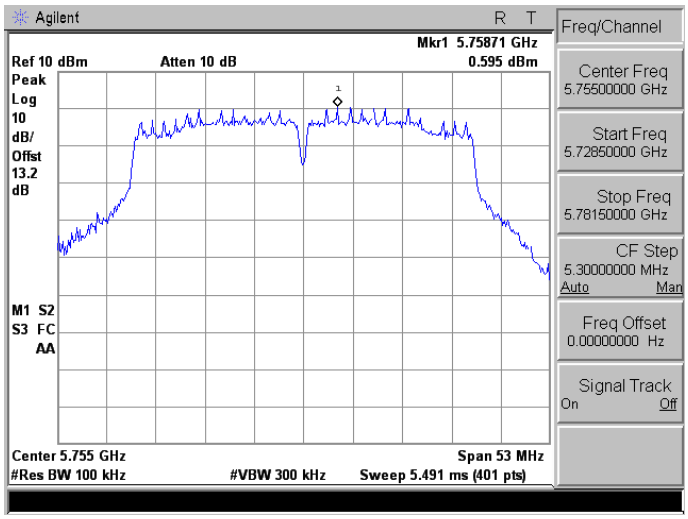
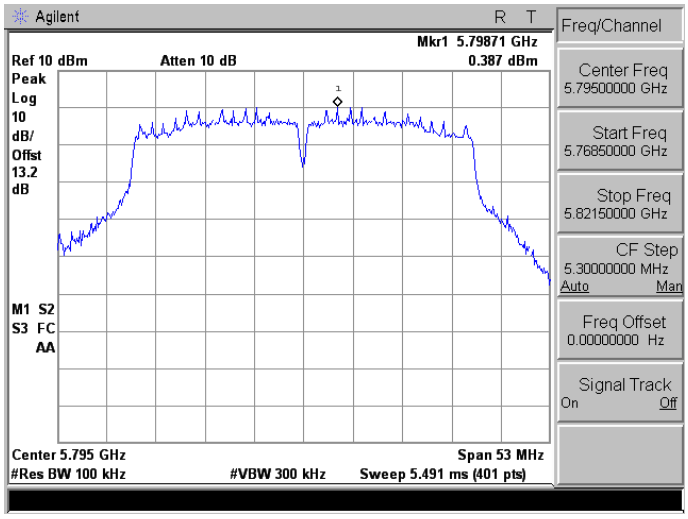
Mode 3: IEEE 802.11n 20MHz Link Mode	
5500	
5580	
5700	

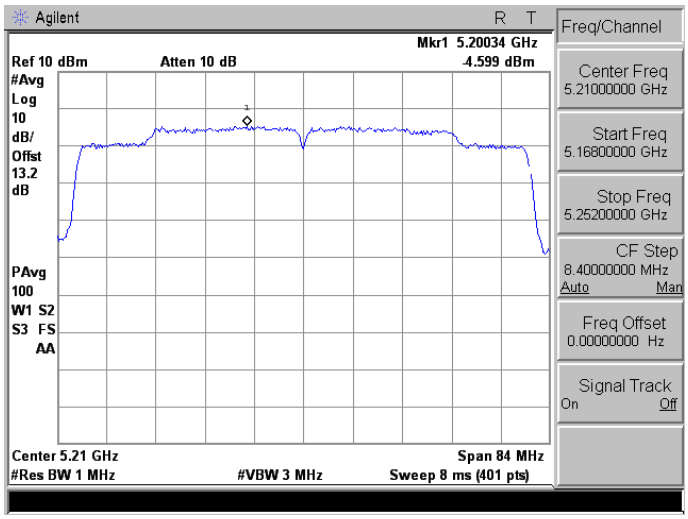
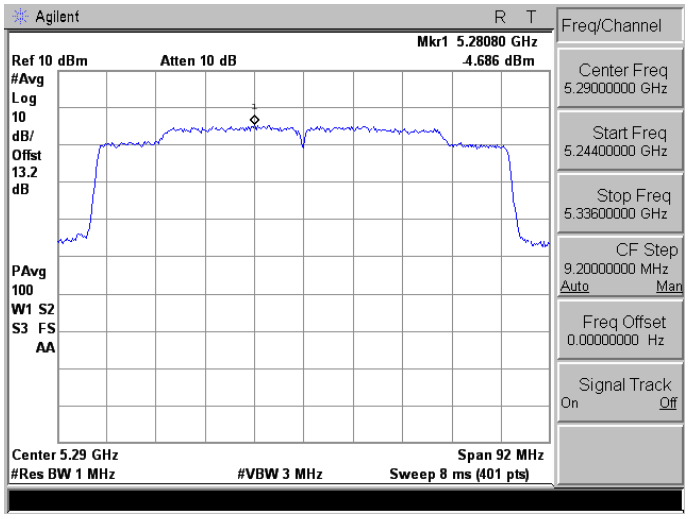
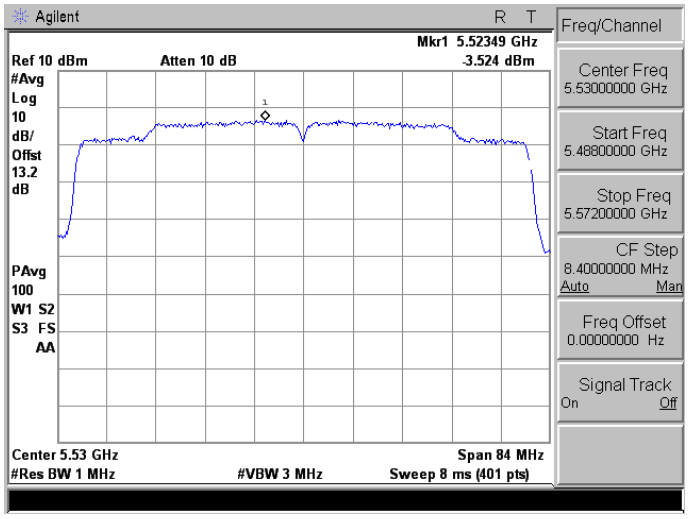
Mode 3: IEEE 802.11n 20MHz Link Mode	
5745	
5785	
5825	

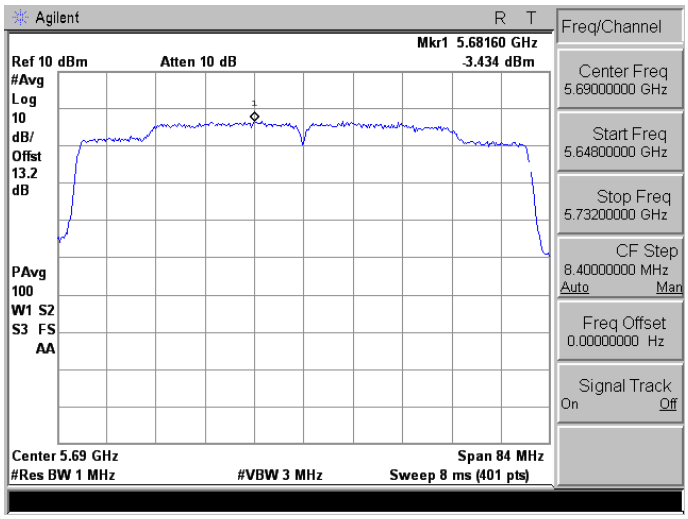
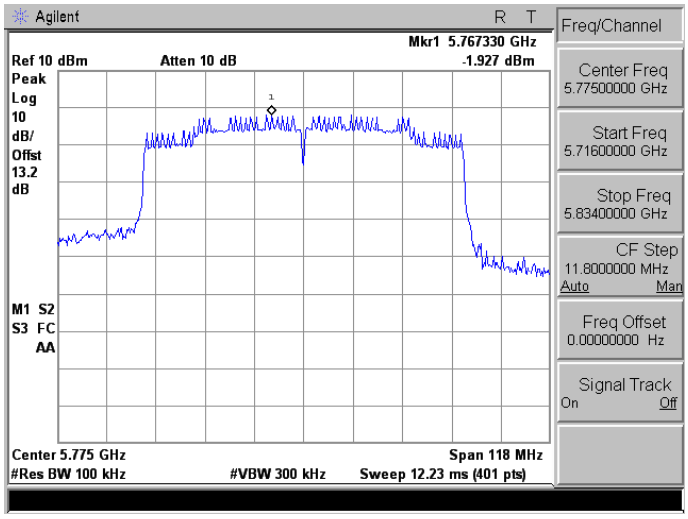
Mode 4: IEEE 802.11n 40MHz Link Mode	
5190	
5230	

Mode 4: IEEE 802.11n 40MHz Link Mode	
5270	
5310	

Mode 4: IEEE 802.11n 40MHz Link Mode	
5510	
5550	
5670	

Mode 4: IEEE 802.11n 40MHz Link Mode	
5755	
5795	

Mode 5: IEEE 802.11ac 80MHz Link Mode	
5210	
5290	
5530	

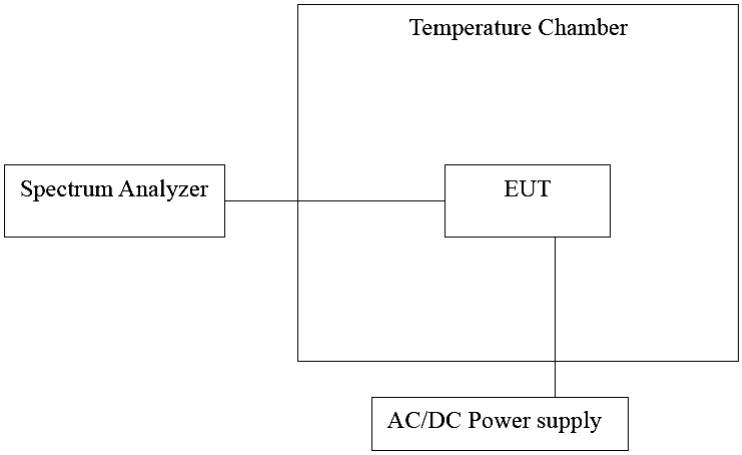
Mode 5: IEEE 802.11ac 80MHz Link Mode	
5690	
5775	

10 Frequency Stability Measurement

10.1. Limit

The frequency tolerance of the carrier signal shall be maintained within the band of operation frequency over a temperature variation of –30 degrees to 50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.

10.2. Test Setup



10.3. Test Instruments

Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Spectrum Analyzer	Agilent	E4408B	MY45107753	07/24/2014	(1)
Temperature & Humidity Chamber	TAICHY	MHU-225LA	980729	08/14/2014	(1)
Test Site	ATL	TE02	TE02	N.C.R.	-----

Remark: (1) Calibration period 1 year. (2) Calibration period 2 years.

Note: N.C.R. = No Calibration Request.

10.4. Test Procedure

1. The EUT was placed inside the environmental test chamber and powered by nominal AC/DC voltage.
2. Turn the EUT on and couple its output to a spectrum analyzer.
3. Turn the EUT off and set the chamber to the highest temperature specified.
4. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize.
5. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
6. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

10.5. Test Result

Temperature Variations

Model Number	ALGIZ 10XB				
Test Mode	Mode 2				
Frequency	5220 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
-30	120	5219.9667	-33300	6.379	Pass
-20		5219.9662	-33800	6.475	Pass
-10		5219.9655	-34500	6.609	Pass
0		5219.9648	-35200	6.743	Pass
10		5219.9644	-35600	6.820	Pass
20		5219.9635	-36500	6.992	Pass
30		5219.9629	-37100	7.107	Pass
40		5219.9622	-37800	7.241	Pass
50		5219.9623	-37700	7.222	Pass

Note: The manufacturer's frequency stability specification is better then 20ppm.

Model Number	ALGIZ 10XB				
Test Mode	Mode 2				
Frequency	5280 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
-30	120	5279.9655	-34500	6.534	Pass
-20		5279.9652	-34800	6.591	Pass
-10		5279.9647	-35300	6.686	Pass
0		5279.9641	-35900	6.799	Pass
10		5279.9634	-36600	6.932	Pass
20		5279.963	-37000	7.008	Pass
30		5279.9626	-37400	7.083	Pass
40		5279.9623	-37700	7.140	Pass
50		5279.9617	-38300	7.254	Pass

Model Number	ALGIZ 10XB				
Test Mode	Mode 2				
Frequency	5580 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
-30	120	5579.9643	-35700	6.398	Pass
-20		5579.9637	-36300	6.505	Pass
-10		5579.9631	-36900	6.613	Pass
0		5579.9624	-37600	6.738	Pass
10		5579.9619	-38100	6.828	Pass
20		5579.9612	-38800	6.953	Pass
30		5579.9608	-39200	7.025	Pass
40		5579.9601	-39900	7.151	Pass
50		5579.9597	-40300	7.222	Pass

Note: The manufacturer's frequency stability specification is better then 20ppm.

Model Number	ALGIZ 10XB				
Test Mode	Mode 2				
Frequency	5785 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
-30	120	5784.9666	-33400	5.774	Pass
-20		5784.9669	-33100	5.722	Pass
-10		5784.9672	-32800	5.670	Pass
0		5784.9671	-32900	5.687	Pass
10		5784.9674	-32600	5.635	Pass
20		5784.9677	-32300	5.583	Pass
30		5784.9684	-31600	5.462	Pass
40		5784.9689	-31100	5.376	Pass
50		5784.9686	-31400	5.428	Pass

Model Number	ALGIZ 10XB				
Test Mode	Mode 3				
Frequency	5220 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
-30	120	5219.9681	-31900	6.111	Pass
-20		5219.9674	-32600	6.245	Pass
-10		5219.9667	-33300	6.379	Pass
0		5219.9662	-33800	6.475	Pass
10		5219.9657	-34300	6.571	Pass
20		5219.965	-35000	6.705	Pass
30		5219.9646	-35400	6.782	Pass
40		5219.9641	-35900	6.877	Pass
50		5219.9635	-36500	6.992	Pass

Note: The manufacturer's frequency stability specification is better then 20ppm.

Model Number	ALGIZ 10XB				
Test Mode	Mode 3				
Frequency	5280 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
-30	120	5279.9683	-31700	6.004	Pass
-20		5279.9671	-32900	6.231	Pass
-10		5279.9664	-33600	6.364	Pass
0		5279.9657	-34300	6.496	Pass
10		5279.9651	-34900	6.610	Pass
20		5279.9645	-35500	6.723	Pass
30		5279.9639	-36100	6.837	Pass
40		5279.9632	-36800	6.970	Pass
50		5279.9627	-37300	7.064	Pass

Model Number	ALGIZ 10XB				
Test Mode	Mode 3				
Frequency	5580 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
-30	120	5579.9657	-34300	6.147	Pass
-20		5579.9651	-34900	6.254	Pass
-10		5579.9644	-35600	6.380	Pass
0		5579.9637	-36300	6.505	Pass
10		5579.9632	-36800	6.595	Pass
20		5579.9625	-37500	6.720	Pass
30		5579.9621	-37900	6.792	Pass
40		5579.9618	-38200	6.846	Pass
50		5579.9611	-38900	6.971	Pass

Note: The manufacturer's frequency stability specification is better then 20ppm.

Model Number	ALGIZ 10XB				
Test Mode	Mode 3				
Frequency	5785 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
-30	120	5784.9651	-34900	6.033	Pass
-20		5784.9648	-35200	6.085	Pass
-10		5784.9642	-35800	6.188	Pass
0		5784.9644	-35600	6.154	Pass
10		5784.9638	-36200	6.258	Pass
20		5784.9637	-36300	6.275	Pass
30		5784.9633	-36700	6.344	Pass
40		5784.9634	-36600	6.327	Pass
50		5784.9629	-37100	6.413	Pass

Model Number	ALGIZ 10XB				
Test Mode	Mode 4				
Frequency	5190 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
-30	120	5189.9666	-33400	6.435	Pass
-20		5189.9661	-33900	6.532	Pass
-10		5189.9655	-34500	6.647	Pass
0		5189.9649	-35100	6.763	Pass
10		5189.9643	-35700	6.879	Pass
20		5189.9637	-36300	6.994	Pass
30		5189.9624	-37600	7.245	Pass
40		5189.9618	-38200	7.360	Pass
50		5189.9614	-38600	7.437	Pass

Note: The manufacturer's frequency stability specification is better then 20ppm.

Model Number	ALGIZ 10XB				
Test Mode	Mode 4				
Frequency	5270 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
-30	120	5269.9659	-34100	6.471	Pass
-20		5269.9654	-34600	6.565	Pass
-10		5269.9648	-35200	6.679	Pass
0		5269.9641	-35900	6.812	Pass
10		5269.9639	-36100	6.850	Pass
20		5269.963	-37000	7.021	Pass
30		5269.9621	-37900	7.192	Pass
40		5269.9617	-38300	7.268	Pass
50		5269.9611	-38900	7.381	Pass

Model Number	ALGIZ 10XB				
Test Mode	Mode 4				
Frequency	5550 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
-30	120	5549.9643	-35700	6.432	Pass
-20		5549.9634	-36600	6.595	Pass
-10		5549.9629	-37100	6.685	Pass
0		5549.9624	-37600	6.775	Pass
10		5549.9619	-38100	6.865	Pass
20		5549.9612	-38800	6.991	Pass
30		5549.9603	-39700	7.153	Pass
40		5549.9597	-40300	7.261	Pass
50		5549.9592	-40800	7.351	Pass

Note: The manufacturer's frequency stability specification is better then 20ppm.

Model Number	ALGIZ 10XB				
Test Mode	Mode 4				
Frequency	5755 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
-30	120	5754.9644	-35600	6.186	Pass
-20		5754.9639	-36100	6.273	Pass
-10		5754.9641	-35900	6.238	Pass
0		5754.9637	-36300	6.308	Pass
10		5754.9632	-36800	6.394	Pass
20		5754.9625	-37500	6.516	Pass
30		5754.9619	-38100	6.620	Pass
40		5754.9616	-38400	6.672	Pass
50		5754.9617	-38300	6.655	Pass

Model Number	ALGIZ 10XB				
Test Mode	Mode 5				
Frequency	5210 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
-30	120	5209.9679	-32100	6.161	Pass
-20		5209.9671	-32900	6.315	Pass
-10		5209.9662	-33800	6.488	Pass
0		5209.9649	-35100	6.737	Pass
10		5209.9642	-35800	6.871	Pass
20		5209.9635	-36500	7.006	Pass
30		5209.9617	-38300	7.351	Pass
40		5209.9604	-39600	7.601	Pass
50		5209.9592	-40800	7.831	Pass

Note: The manufacturer's frequency stability specification is better then 20ppm.

Model Number	ALGIZ 10XB				
Test Mode	Mode 5				
Frequency	5290 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
-30	120	5289.9671	-32900	6.219	Pass
-20		5289.9664	-33600	6.352	Pass
-10		5289.9655	-34500	6.522	Pass
0		5289.9649	-35100	6.635	Pass
10		5289.9641	-35900	6.786	Pass
20		5289.963	-37000	6.994	Pass
30		5289.9617	-38300	7.240	Pass
40		5289.9611	-38900	7.353	Pass
50		5289.9604	-39600	7.486	Pass

Model Number	ALGIZ 10XB				
Test Mode	Mode 5				
Frequency	5610 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
-30	120	5609.9646	-35400	6.310	Pass
-20		5609.9637	-36300	6.471	Pass
-10		5609.9639	-36100	6.435	Pass
0		5609.9626	-37400	6.667	Pass
10		5609.9618	-38200	6.809	Pass
20		5609.961	-39000	6.952	Pass
30		5609.9604	-39600	7.059	Pass
40		5609.9596	-40400	7.201	Pass
50		5609.9589	-41100	7.326	Pass

Note: The manufacturer's frequency stability specification is better then 20ppm.

Model Number	ALGIZ 10XB				
Test Mode	Mode 5				
Frequency	5775 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
-30	120	5774.9629	-37100	6.424	Pass
-20		5774.9632	-36800	6.372	Pass
-10		5774.9622	-37800	6.545	Pass
0		5774.9624	-37600	6.511	Pass
10		5774.9619	-38100	6.597	Pass
20		5774.9615	-38500	6.667	Pass
30		5774.9611	-38900	6.736	Pass
40		5774.9608	-39200	6.788	Pass
50		5774.9604	-39600	6.857	Pass

Note: The manufacturer's frequency stability specification is better then 20ppm.

Voltage Variations

Model Number	ALGIZ 10XB				
Test Mode	Mode 2				
Frequency	5220 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5219.9648	-35200	6.743	Pass
	120.00	5219.9633	-36700	7.031	Pass
	102.00	5219.9609	-39100	7.490	Pass

Model Number	ALGIZ 10XB				
Test Mode	Mode 2				
Frequency	5280 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5279.9654	-34600	6.553	Pass
	120.00	5279.9632	-36800	6.970	Pass
	102.00	5279.9611	-38900	7.367	Pass

Model Number	ALGIZ 10XB				
Test Mode	Mode 2				
Frequency	5580 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5579.9637	-36300	6.505	Pass
	120.00	5579.9614	-38600	6.918	Pass
	102.00	5579.9597	-40300	7.222	Pass

Note: The manufacturer's frequency stability specification is better then 20ppm.

Model Number	ALGIZ 10XB				
Test Mode	Mode 2				
Frequency	5785 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5784.9689	-31100	5.376	Pass
	120.00	5784.9681	-31900	5.514	Pass
	102.00	5784.9674	-32600	5.635	Pass

Model Number	ALGIZ 10XB				
Test Mode	Mode 3				
Frequency	5220 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5219.9684	-31600	6.054	Pass
	120.00	5219.9650	-35000	6.705	Pass
	102.00	5219.9634	-36600	7.011	Pass

Model Number	ALGIZ 10XB				
Test Mode	Mode 3				
Frequency	5280 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5279.9657	-34300	6.496	Pass
	120.00	5279.9645	-35500	6.723	Pass
	102.00	5279.9624	-37600	7.121	Pass

Note: The manufacturer's frequency stability specification is better then 20ppm.

Model Number	ALGIZ 10XB				
Test Mode	Mode 3				
Frequency	5580 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5579.9647	-35300	6.326	Pass
	120.00	5579.9625	-37500	6.720	Pass
	102.00	5579.9608	-39200	7.025	Pass

Model Number	ALGIZ 10XB				
Test Mode	Mode 3				
Frequency	5785 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5784.9632	-36800	6.361	Pass
	120.00	5784.9628	-37200	6.430	Pass
	102.00	5784.9625	-37500	6.482	Pass

Model Number	ALGIZ 10XB				
Test Mode	Mode 4				
Frequency	5190 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5189.9654	-34600	6.667	Pass
	120.00	5189.9637	-36300	6.994	Pass
	102.00	5189.9605	-39500	7.611	Pass

Note: The manufacturer's frequency stability specification is better then 20ppm.

Model Number	ALGIZ 10XB				
Test Mode	Mode 4				
Frequency	5270 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5269.9647	-35300	6.698	Pass
	120.00	5269.963	-37000	7.021	Pass
	102.00	5269.9621	-37900	7.192	Pass

Model Number	ALGIZ 10XB				
Test Mode	Mode 4				
Frequency	5550 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5549.9634	-36600	6.595	Pass
	120.00	5549.9612	-38800	6.991	Pass
	102.00	5549.9588	-41200	7.423	Pass

Model Number	ALGIZ 10XB				
Test Mode	Mode 4				
Frequency	5755 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5754.9632	-36800	6.394	Pass
	120.00	5754.9623	-37700	6.551	Pass
	102.00	5754.9614	-38600	6.707	Pass

Note: The manufacturer's frequency stability specification is better then 20ppm.

Model Number	ALGIZ 10XB				
Test Mode	Mode 5				
Frequency	5210 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5209.9652	-34800	6.679	Pass
	120.00	5209.9635	-36500	7.006	Pass
	102.00	5209.9617	-38300	7.351	Pass

Model Number	ALGIZ 10XB				
Test Mode	Mode 5				
Frequency	5290 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5289.9643	-35700	6.749	Pass
	120.00	5289.9630	-37000	6.994	Pass
	102.00	5289.9617	-38300	7.240	Pass

Model Number	ALGIZ 10XB				
Test Mode	Mode 5				
Frequency	5610 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5609.9641	-35900	6.399	Pass
	120.00	5609.9610	-39000	6.952	Pass
	102.00	5609.9589	-41100	7.326	Pass

Note: The manufacturer's frequency stability specification is better then 20ppm.

Model Number	ALGIZ 10XB				
Test Mode	Mode 5				
Frequency	5775 MHz				
Date of Test	12/26/2014			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5774.9619	-38100	6.597	Pass
	120.00	5774.961	-39000	6.753	Pass
	102.00	5774.9604	-39600	6.857	Pass

Note: The manufacturer's frequency stability specification is better then 20ppm.

11 Antenna Requirement

11.1. Limit

For intentional device, according to 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.
And According to 15.407 (a), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

11.2. Antenna Connector Construction

The antenna used in this product list as below:

Antenna	Type	Max. Gain
Main	Internal Antenna	2.92 dBi
Aux	Internal Antenna	2.42 dBi