FCC 47 CFR PART 15 SUBPART E

Product Type	:	Play-Fi Module
Applicant	:	Phorus, Inc.
Address	:	16255 Ventura Boulevard, Encino,California, 91436 United States
Trade Name	:	DTS
Model Number	:	CAPRICA2L
Test Specification	:	FCC 47 CFR PART 15 SUBPART E: Oct., 2014 ANSI C63.10:2013
Application Purpose	:	Original
Receive Date	:	Aug. 10, 2015
Test Period	:	Aug. 11 ~ Sep. 02, 2015
Issue Date	:	Sep. 02, 2015

Issue by

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

Revision History

Rev.	Issue Date	Revisions	Revised By
00	Sep. 02, 2015	Initial Issue	

Verification of Compliance

Issued Date: 09/02/2015

Product Type	:	Play-Fi Module
Applicant	:	Phorus, Inc.
Address	:	16255 Ventura Boulevard, Encino,California, 91436 United States
Trade Name	:	DTS
Model Number	:	CAPRICA2L
FCC ID	:	2AAWQ-CAPRICA2L
EUT Rated Voltage	:	DC 5V / DC 3.3V / DC 1.8V / DC 1.1V
Test Voltage	:	120 Vac / 60 Hz
Applicable Standard	:	FCC 47 CFR PART 15 SUBPART E: Oct., 2014 ANSI C63.10:2013
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 FCC	Item	Result	Remark
15.407(b)(6) 15.207	AC Power Conducted Emission	PASS	---
15.407(b) 15.205 / 15.209	Transmitter Radiated Emissions	PASS	---
15.407(a)	Maximum Conducted Output Power	PASS	---
15.407(a)	26dB RF Bandwidth	Reference	---
15.407(a)	6dB RF Bandwidth	PASS	-----
15.407(a)	Peak Power Spectral Density	PASS	---
15.407(g)	Frequency Stability	PASS	---
15.407(a) 15.203	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	Play-Fi Module			
Trade Name	DTS			
Model No.	CAPRICA2L			
Applicant	Phorus, Inc. 16255 Ventura Boulevard, Encino,California, 91436 United States			
Manufacturer	LITE-ON Technology (Changzhou) Co., Ltd A9 Building, No. 88, Yanghu Road, Wujin Hi-Tech Industrial Development Zone, Changzhou City, Jiangsu Province, P.R. China			
FCC ID	2AAWQ-CAPRICA2L			
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
	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
	U-NII Band II-C	IEEE 802.11a	5500 – 5700	11 Channels
		IEEE 802.11n 20 MHz	5500 – 5700	11 Channels
		IEEE 802.11n 40 MHz	5510 – 5670	5 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
Modulation Type	OFDM			
Equipment Type	Client (without radar detection function)			
Antenna Used	Antenna Port	Model Number	Type	Max. Gain
	ANT-0	PS1 Antenna B	PIFA Antenna	U-NII Band I: 2.84 dBi U-NII Band II-A: 2.90 dBi U-NII Band II-C: 4.95 dBi U-NII Band III: 5.48 dBi
	ANT-1	PR1 Antenna A	PIFA Antenna	U-NII Band I: 2.01 dBi U-NII Band II-A: 3.00 dBi U-NII Band II-C: 3.15 dBi U-NII Band III: 4.03 dBi
Antenna Delivery	1TX + 1RX			

RF Output Power	IEEE 802.11a U-NII Band I : 0.017 W / 12.43 dBm
	IEEE 802.11a U-NII Band II-A : 0.019 W / 12.85 dBm
	IEEE 802.11a U-NII Band II-C : 0.024 W / 13.75 dBm
	IEEE 802.11a U-NII Band III : 0.024 W / 13.87 dBm
	IEEE 802.11n 20MHz U-NII Band I: 0.012 W / 10.68 dBm
	IEEE 802.11n 20MHz U-NII Band II-A: 0.012 W / 10.79 dBm
	IEEE 802.11n 20MHz U-NII Band II-C: 0.016 W / 12.00 dBm
	IEEE 802.11n 20MHz U-NII Band III: 0.014 W / 11.40 dBm
	IEEE 802.11n 40MHz U-NII Band I: 0.011 W / 10.47 dBm
	IEEE 802.11n 40MHz U-NII Band II-A: 0.011W / 10.52 dBm
	IEEE 802.11n 40MHz U-NII Band II-C: 0.016 W / 12.00 dBm
	IEEE 802.11n 40MHz U-NII Band III: 0.014 W / 11.45 dBm

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

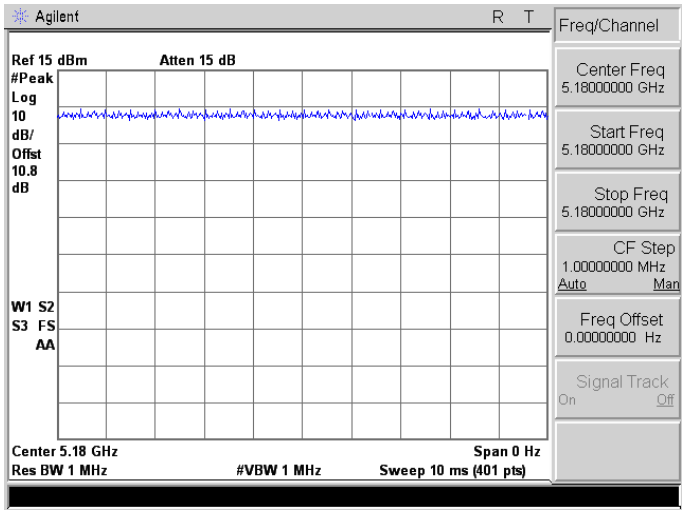
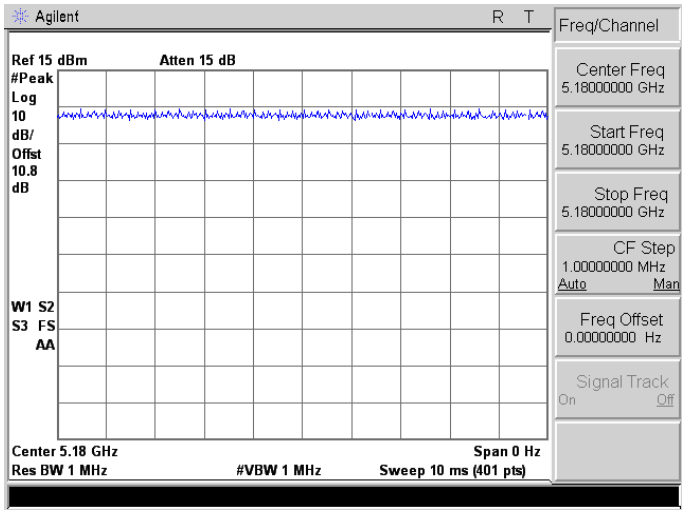
Software used to control the EUT for staying in continuous transmitting mode was programmed.
After verification, all tests were carried out with the worst case test modes as shown below except radiated spurious emission below 1GHz and power line conducted emissions below 30MHz, which worst case was in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

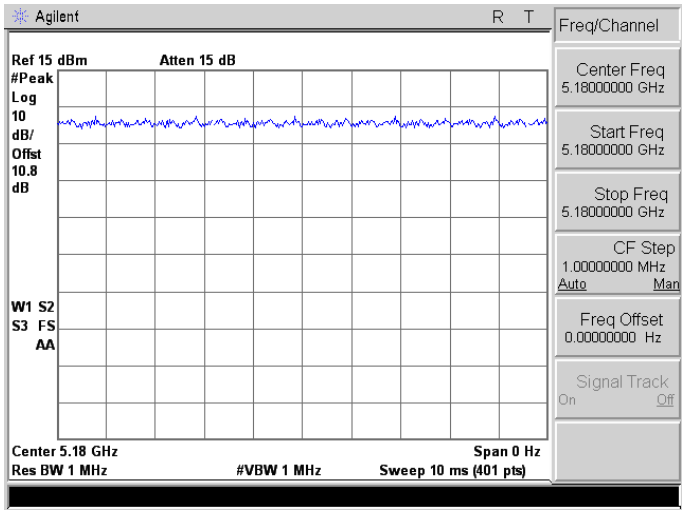
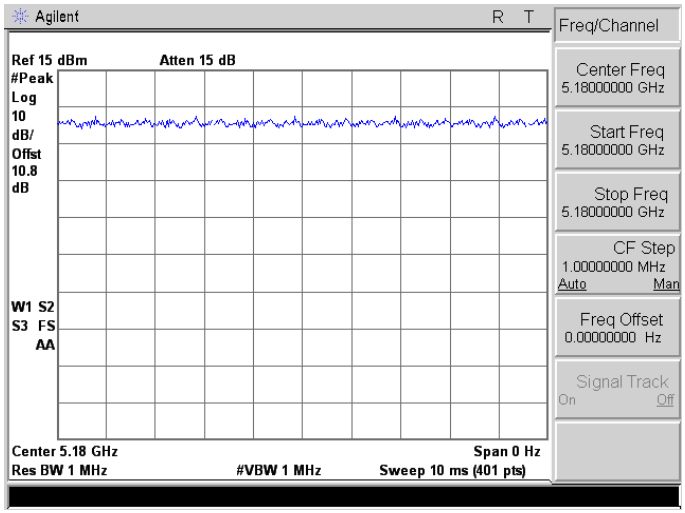
Test Mode	ANT-0	ANT-1	ANT-0+1
Mode 2: IEEE 802.11a Link Mode	V	V	---
Mode 3: IEEE 802.11n 20MHz Link Mode	V	V	---
Mode 4: IEEE 802.11n 40MHz Link Mode	V	V	---

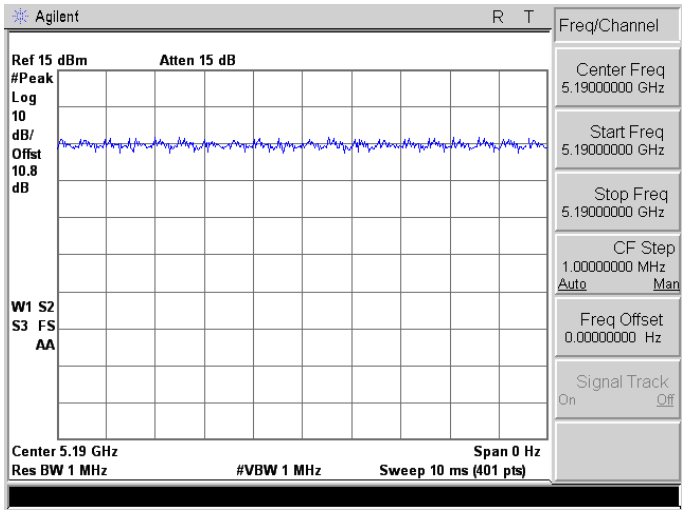
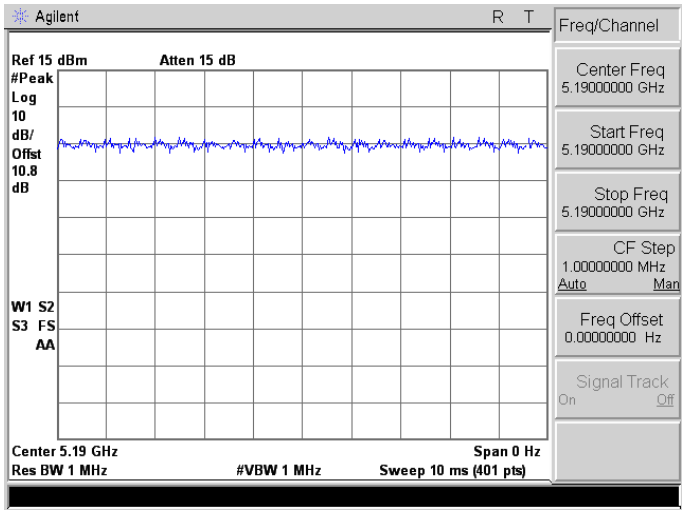
Test Mode	Band	Data Rate	Test Channel
IEEE 802.11a Link Mode	U-NII Band I	6M	36, 44, 48
	U-NII Band II-A		52, 56, 64
	U-NII Band II-C		100, 116, 140
	U-NII Band III		149, 157, 165
IEEE 802.11n 20MHz Link Mode	U-NII Band I	6.5M	36, 44, 48
	U-NII Band II-A		52, 56, 64
	U-NII Band II-C		100, 116, 140
	U-NII 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

Duty cycle

Test Mode	Frequency (MHz)	on time (ms)	on+off time (ms)	Duty cycle	Duty Factor (dB)	1/T Minimum VBW (kHz)
Mode 2: IEEE 802.11a Link Mode	5180.0	1.000	1.000	1.000	0.000	0.010
Mode 3: IEEE 802.11n 20MHz Link Mode	5180.0	1.000	1.000	1.000	0.000	0.010
Mode 4: IEEE 802.11n 40MHz Link Mode	5190.0	1.000	1.000	1.000	0.000	0.010

Mode 2: IEEE 802.11a Link Mode	
On time	
On+off time	

Mode 3: IEEE 802.11n 20MHz Link Mode	
On time	
On+off time	

Mode 4: IEEE 802.11n 40MHz Link Mode	
On time	
On+off time	

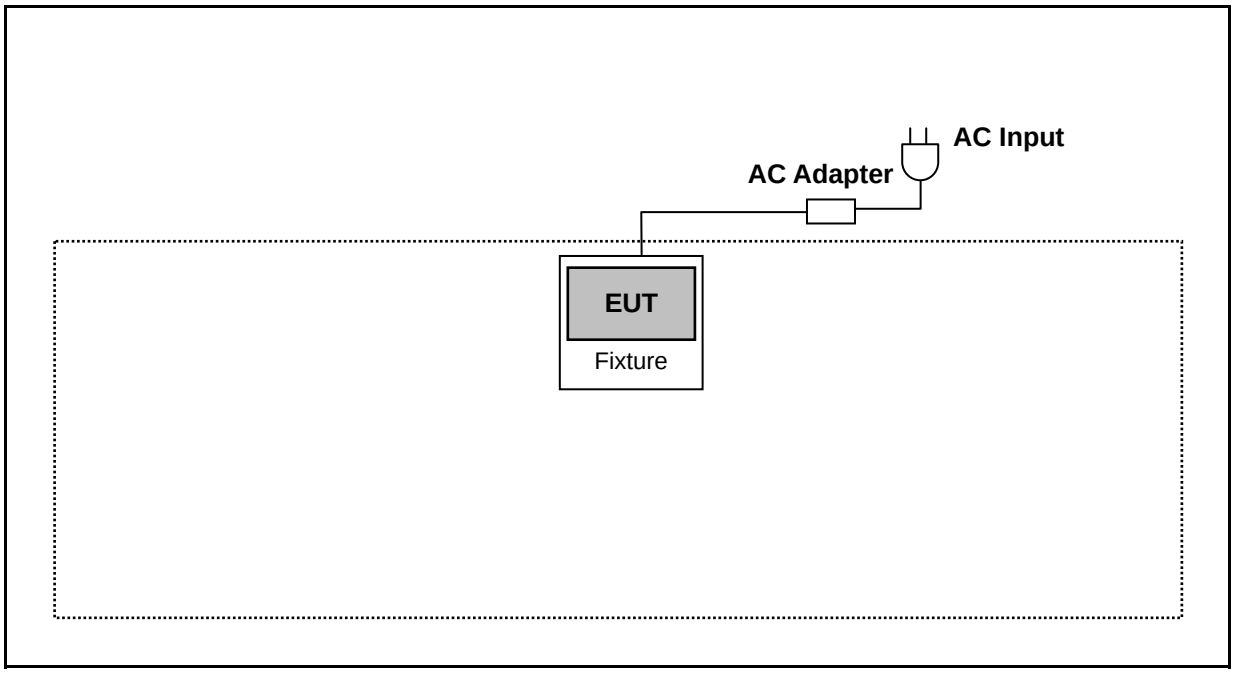
3.2. EUT Exercise Software

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.

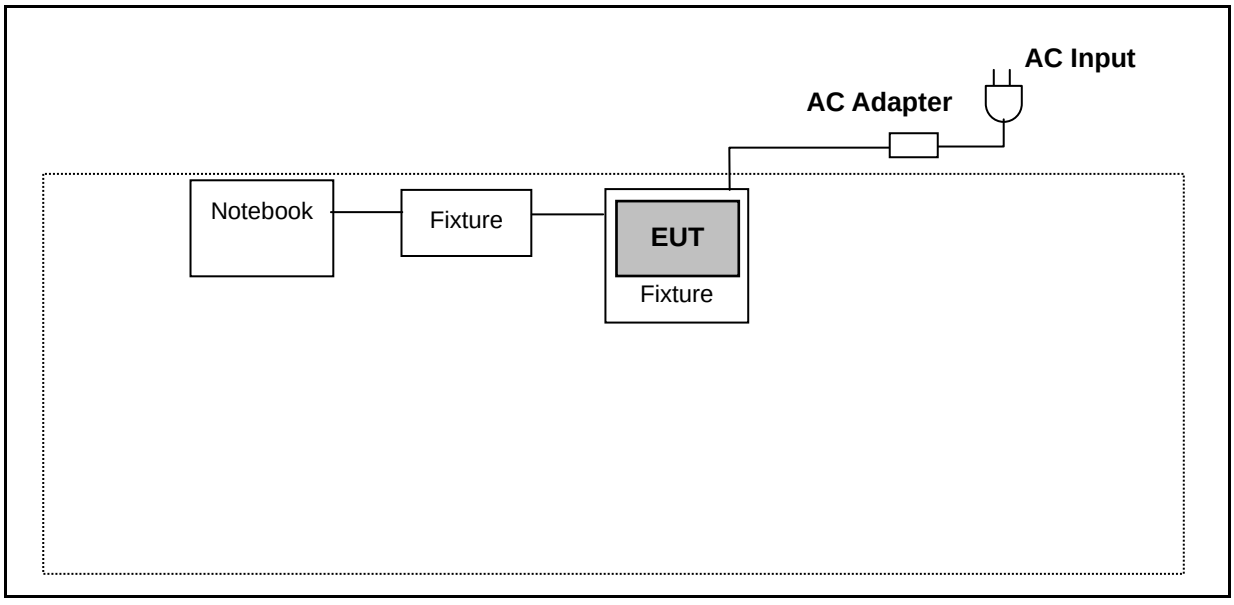
1.	Setup the EUT shown on 3.3.
2.	Turn on the power of all equipment.
3.	Turn on Wi-Fi function link to Notebook.
4.	EUT run test program.

3.3. Configuration of Test System Details

Conducted Emission



Radiated Emission



3.4. Test Site Environment

Items	Required (IEC 60068-1)	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

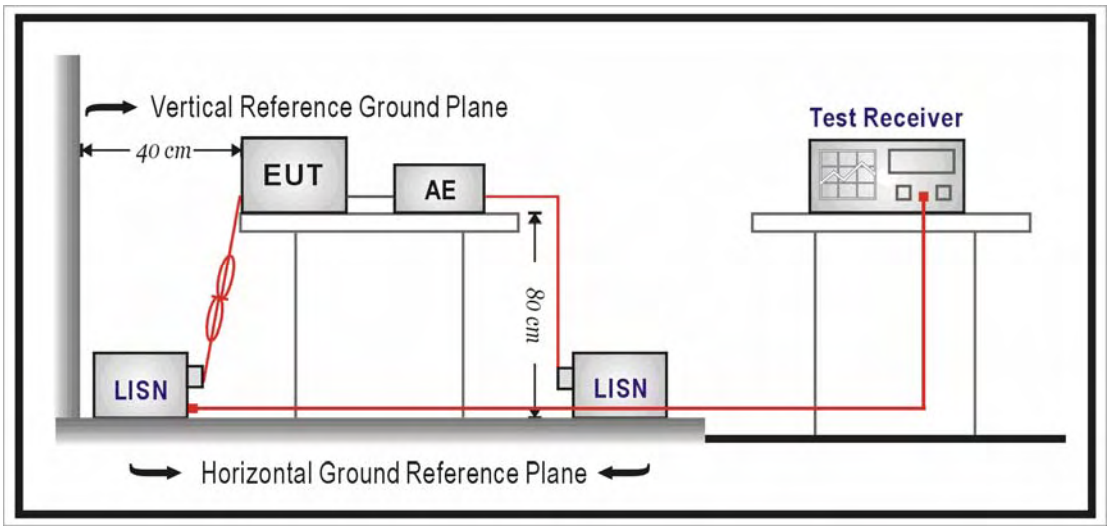
4.2. Test Instruments

Describe	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
Test Receiver	R&S	ESCI	100367	06/25/2015	(1)
LISN	R&S	ENV216	101040	03/10/2015	(1)
LISN	R&S	ENV216	101041	03/06/2015	(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

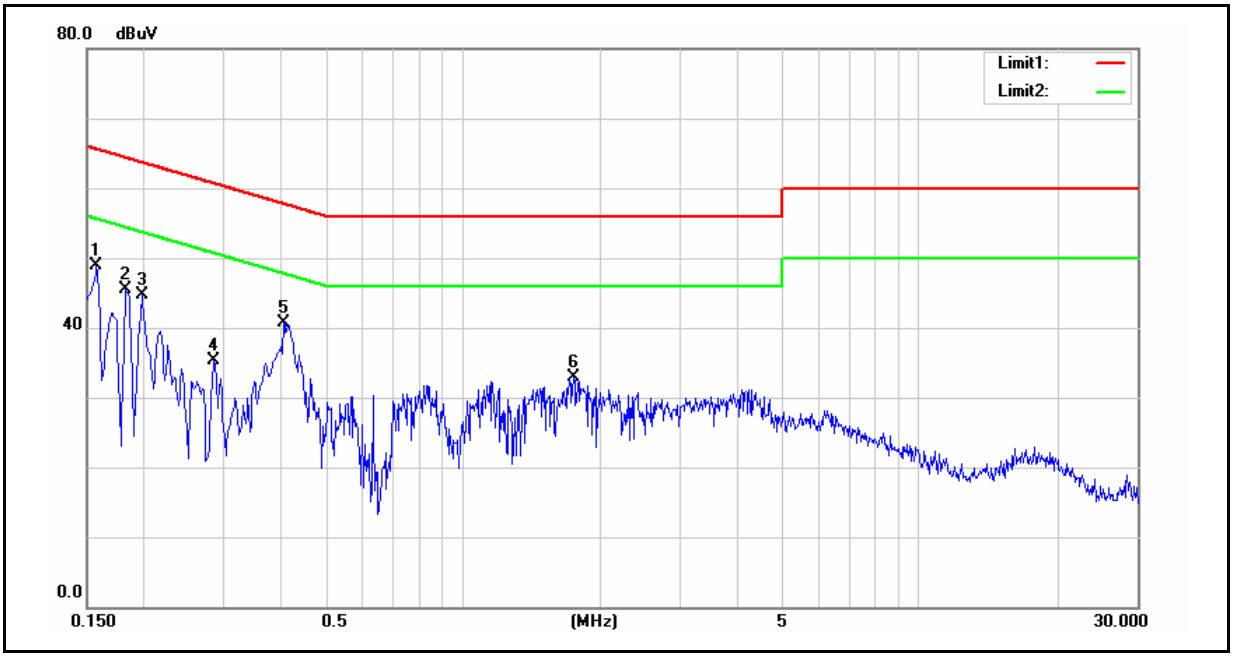
The power line conducted emission measurements were performed in a shielded enclosure. The EUT was assembled on a wooden table which is 80 centimeters high, was placed 40 centimeters from the back wall and at least 1 meter from the sidewall.

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.

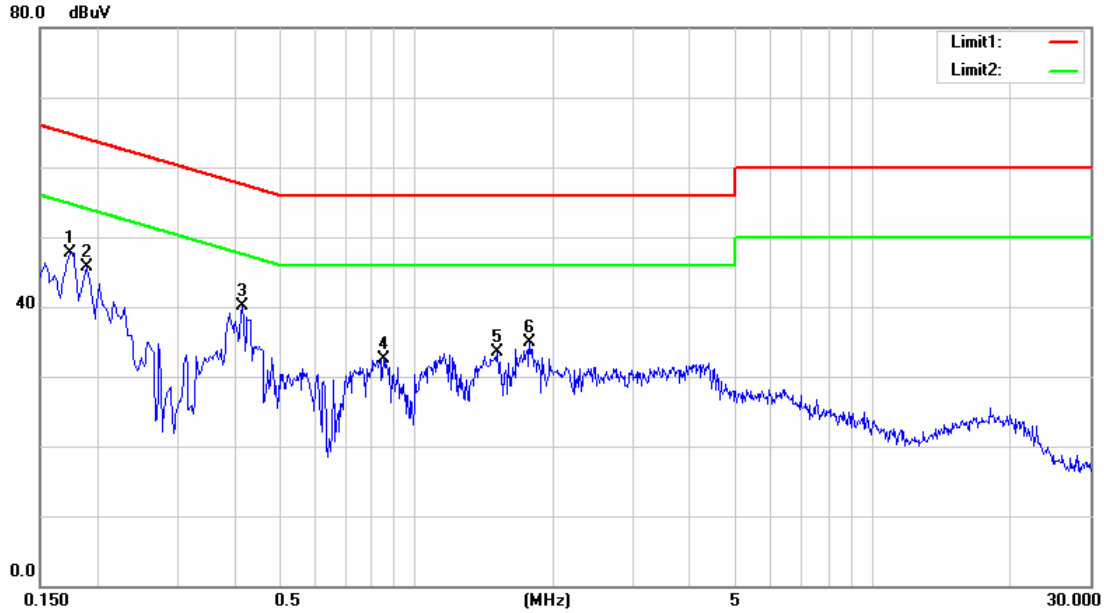
4.5. Test Result

Standard:	FCC Part 15E	Line:	L1
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 1	Date:	08/11/2015
		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	0.1580	37.09	22.54	9.55	46.64	32.09	65.57	55.57	-18.93	-23.48	Pass
2	0.1820	34.22	22.58	9.55	43.77	32.13	64.39	54.39	-20.62	-22.26	Pass
3	0.1980	32.19	21.32	9.55	41.74	30.87	63.69	53.69	-21.95	-22.82	Pass
4	0.2860	20.21	8.07	9.55	29.76	17.62	60.64	50.64	-30.88	-33.02	Pass
5	0.4060	27.71	19.20	9.55	37.26	28.75	57.73	47.73	-20.47	-18.98	Pass
6	1.7500	20.43	12.82	9.55	29.98	22.37	56.00	46.00	-26.02	-23.63	Pass

Standard:	FCC Part 15E	Line:	N
Test item:	Conducted Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 1	Date:	08/11/2015
		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	0.1740	34.41	21.57	9.55	43.96	31.12	64.77	54.77	-20.81	-23.65	Pass
2	0.1900	33.16	21.99	9.55	42.71	31.54	64.04	54.04	-21.33	-22.50	Pass
3	0.4180	29.12	21.19	9.55	38.67	30.74	57.49	47.49	-18.82	-16.75	Pass
4	0.8500	20.11	12.10	9.55	29.66	21.65	56.00	46.00	-26.34	-24.35	Pass
5	1.5100	18.66	9.47	9.56	28.22	19.03	56.00	46.00	-27.78	-26.97	Pass
6	1.7780	20.23	12.72	9.56	29.79	22.28	56.00	46.00	-26.21	-23.72	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

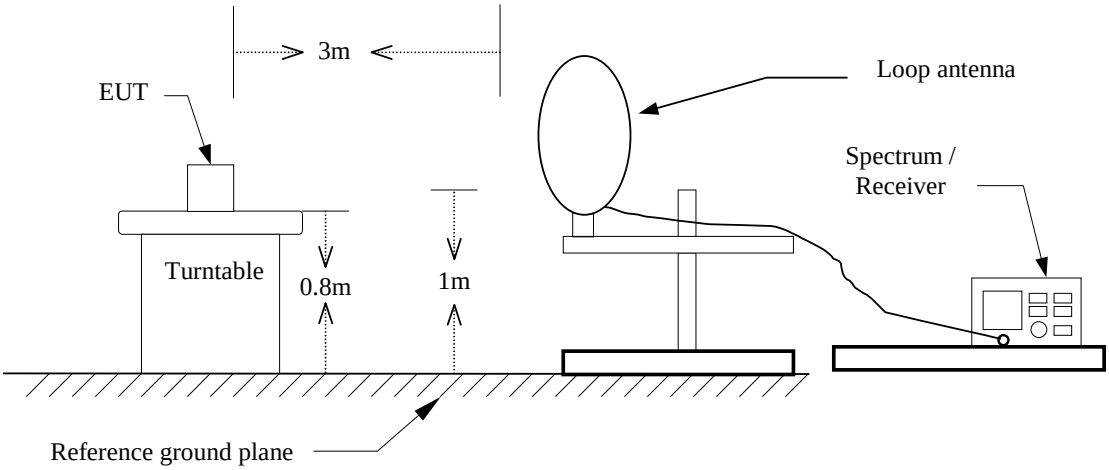
3 Meter Chamber					
Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Remark
RF Pre-selector	Agilent	N9039A	MY46520256	01/06/2015	(1)
Spectrum Analyzer	Agilent	E4446A	MY46180578	01/06/2015	(1)
Pre Amplifier	Agilent	8449B	3008A02237	02/24/2015	(1)
Pre Amplifier	Agilent	8447D	2944A10961	02/24/2015	(1)
Broadband Antenna (30MHz~1GHz)	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	9163-270	08/11/2015	(1)
Horn Antenna (1~18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	9120D-550	06/12/2015	(1)
Horn Antenna (18~40GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA9170	9170-320	07/06/2015	(1)
Test Site	ATL	TE01	888001	08/28/2015	(1)

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

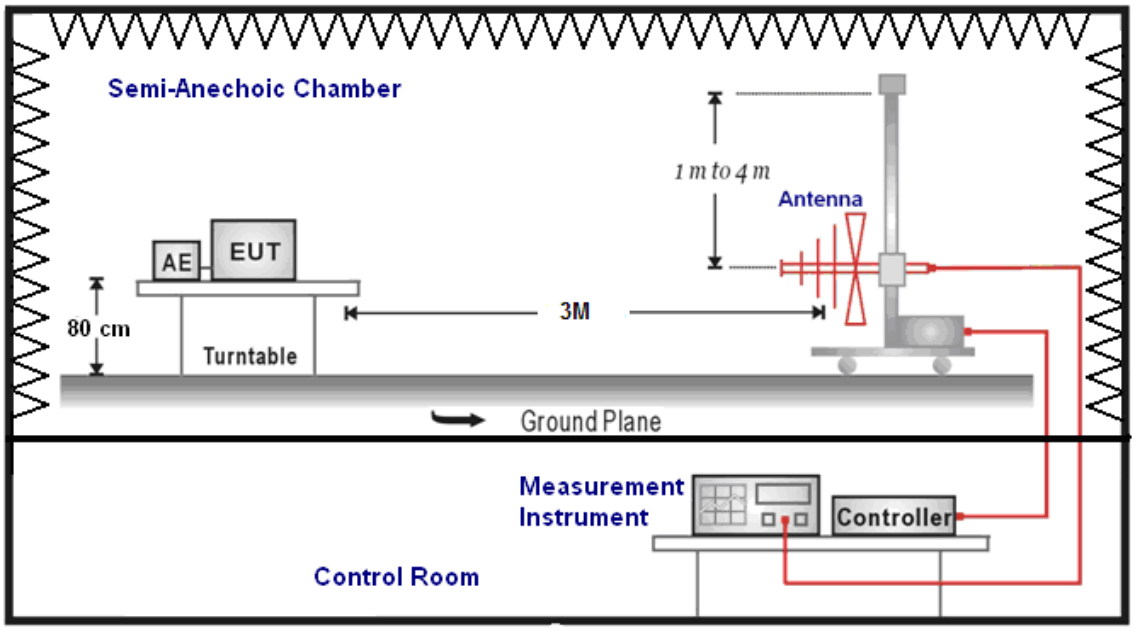
Note: N.C.R. = No Calibration Request.

5.3. Setup

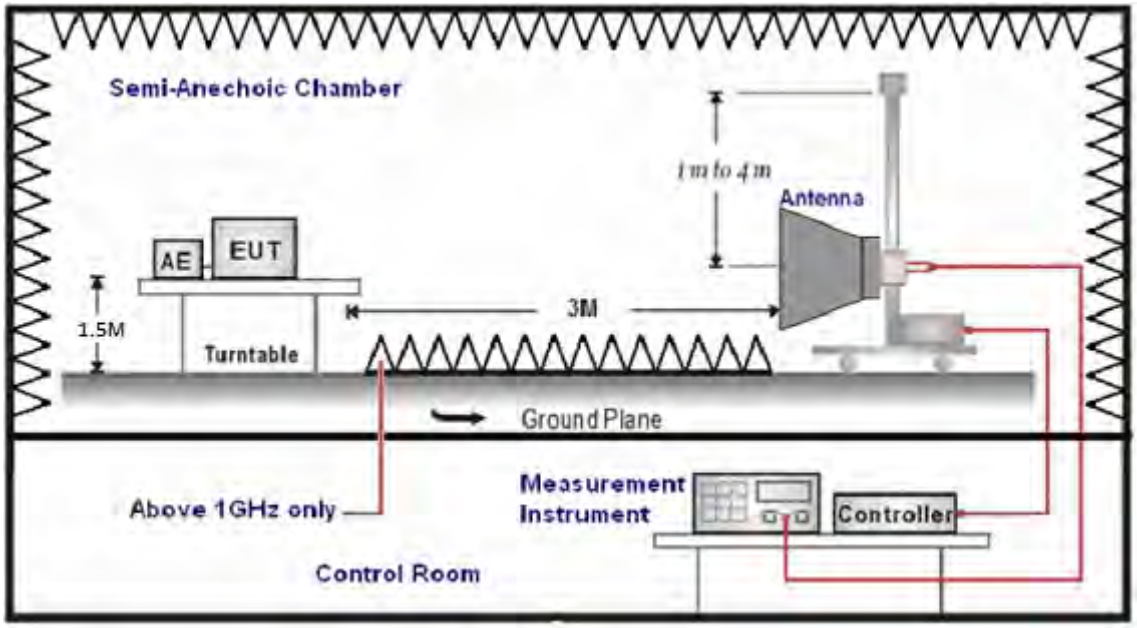
9kHz ~ 30MHz



30MHz ~ 1GHz



Above 1GHz


Semi-Anechoic Chamber
1 m to 4 m
Antenna
AE
EUT
1.5M
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 or 1.5 meters height(below 1GHz use 0.8m turntable / above 1GHz use 1.5m turntable), 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 restricted 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 10 Hz for average measurements when Duty cycle > 0.98 / 1/T for average measurements when Duty cycle < 0.98.

For out of band 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.

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:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 1	Date:	08/17/2015
		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
171.5000	43.42	-14.18	29.24	43.50	-14.26	QP	H
331.5000	42.10	-12.28	29.82	46.00	-16.18	QP	H
478.5000	40.51	-10.01	30.50	46.00	-15.50	QP	H
681.5000	38.54	-6.96	31.58	46.00	-14.42	QP	H
825.0000	34.73	-4.70	30.03	46.00	-15.97	QP	H
907.5000	34.56	-3.25	31.31	46.00	-14.69	QP	H
171.5000	47.85	-24.21	23.64	43.50	-19.86	QP	V
358.5000	38.39	-21.33	17.06	46.00	-28.94	QP	V
398.5000	47.65	-24.51	23.14	46.00	-22.86	QP	V
558.0000	49.09	-22.96	26.13	46.00	-19.87	QP	V
637.5000	47.76	-21.10	26.66	46.00	-19.34	QP	V
956.5000	38.35	-17.83	20.52	46.00	-25.48	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:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	08/16/2015
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
2848.000	39.49	1.19	40.68	74.00	-33.32	peak	H
4661.000	35.23	6.96	42.19	74.00	-31.81	peak	H
7433.000	34.29	13.84	48.13	74.00	-25.87	peak	H
2771.000	38.99	0.93	39.92	74.00	-34.08	peak	V
4640.000	35.41	6.89	42.30	74.00	-31.70	peak	V
7545.000	34.38	14.09	48.47	74.00	-25.53	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	08/16/2015
Frequency:	5200MHz	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	38.90	1.14	40.04	74.00	-33.96	peak	H
4619.000	34.15	6.83	40.98	74.00	-33.02	peak	H
7405.000	33.57	13.77	47.34	74.00	-26.66	peak	H
2799.000	37.96	1.03	38.99	74.00	-35.01	peak	V
4605.000	34.23	6.79	41.02	74.00	-32.98	peak	V
7391.000	33.28	13.73	47.01	74.00	-26.99	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	08/16/2015
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
2827.000	37.44	1.12	38.56	74.00	-35.44	peak	H
4675.000	34.42	7.00	41.42	74.00	-32.58	peak	H
7489.000	33.94	13.99	47.93	74.00	-26.07	peak	H
2771.000	37.94	0.93	38.87	74.00	-35.13	peak	V
4626.000	35.30	6.85	42.15	74.00	-31.85	peak	V
7545.000	33.68	14.09	47.77	74.00	-26.23	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	08/16/2015
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
2771.000	38.20	0.93	39.13	74.00	-34.87	peak	H
4584.000	34.16	6.72	40.88	74.00	-33.12	peak	H
7468.000	33.65	13.94	47.59	74.00	-26.41	peak	H
2757.000	38.49	0.88	39.37	74.00	-34.63	peak	V
4619.000	34.04	6.83	40.87	74.00	-33.13	peak	V
7384.000	32.88	13.72	46.60	74.00	-27.40	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	08/16/2015
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
2750.000	37.86	0.86	38.72	74.00	-35.28	peak	H
4647.000	33.26	6.91	40.17	74.00	-33.83	peak	H
7321.000	32.52	13.56	46.08	74.00	-27.92	peak	H
2764.000	38.01	0.91	38.92	74.00	-35.08	peak	V
4955.000	34.35	7.88	42.23	74.00	-31.77	peak	V
7454.000	32.46	13.90	46.36	74.00	-27.64	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	08/16/2015
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
2771.000	38.19	0.93	39.12	74.00	-34.88	peak	H
4612.000	34.61	6.80	41.41	74.00	-32.59	peak	H
7405.000	33.77	13.77	47.54	74.00	-26.46	peak	H
2820.000	37.25	1.10	38.35	74.00	-35.65	peak	V
4619.000	34.41	6.83	41.24	74.00	-32.76	peak	V
7377.000	32.89	13.70	46.59	74.00	-27.41	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	08/16/2015
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
2820.000	38.04	1.10	39.14	74.00	-34.86	peak	H
4654.000	34.85	6.94	41.79	74.00	-32.21	peak	H
7475.000	33.32	13.95	47.27	74.00	-26.73	peak	H
2757.000	38.58	0.88	39.46	74.00	-34.54	peak	V
4598.000	33.80	6.77	40.57	74.00	-33.43	peak	V
7391.000	34.04	13.73	47.77	74.00	-26.23	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	08/16/2015
Frequency:	5560MHz	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	38.18	1.12	39.30	74.00	-34.70	peak	H
4745.000	34.65	7.22	41.87	74.00	-32.13	peak	H
7447.000	32.80	13.88	46.68	74.00	-27.32	peak	H
2820.000	38.75	1.10	39.85	74.00	-34.15	peak	V
4626.000	34.49	6.85	41.34	74.00	-32.66	peak	V
7475.000	33.89	13.95	47.84	74.00	-26.16	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	08/16/2015
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
2848.000	37.59	1.19	38.78	74.00	-35.22	peak	H
4598.000	34.20	6.77	40.97	74.00	-33.03	peak	H
7405.000	33.69	13.77	47.46	74.00	-26.54	peak	H
2743.000	38.10	0.84	38.94	74.00	-35.06	peak	V
4724.000	34.91	7.16	42.07	74.00	-31.93	peak	V
7412.000	34.21	13.78	47.99	74.00	-26.01	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	08/16/2015
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
3128.000	38.86	2.28	41.14	74.00	-32.86	peak	H
4682.000	34.11	7.02	41.13	74.00	-32.87	peak	H
6845.000	34.76	12.38	47.14	74.00	-26.86	peak	H
3107.000	38.20	2.19	40.39	74.00	-33.61	peak	V
4598.000	34.55	6.77	41.32	74.00	-32.68	peak	V
6824.000	34.11	12.34	46.45	74.00	-27.55	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	08/16/2015
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
3191.000	38.42	2.55	40.97	74.00	-33.03	peak	H
4717.000	35.04	7.13	42.17	74.00	-31.83	peak	H
6880.000	34.97	12.47	47.44	74.00	-26.56	peak	H
3247.000	38.40	2.81	41.21	74.00	-32.79	peak	V
4591.000	34.64	6.74	41.38	74.00	-32.62	peak	V
6747.000	35.11	12.15	47.26	74.00	-26.74	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	08/16/2015
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
3282.000	38.04	2.96	41.00	74.00	-33.00	peak	H
4773.000	34.81	7.32	42.13	74.00	-31.87	peak	H
6796.000	34.24	12.26	46.50	74.00	-27.50	peak	H
3373.000	38.07	3.37	41.44	74.00	-32.56	peak	V
4584.000	34.66	6.72	41.38	74.00	-32.62	peak	V
6761.000	34.65	12.18	46.83	74.00	-27.17	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	08/16/2015
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
2757.000	37.68	0.88	38.56	74.00	-35.44	peak	H
4640.000	34.01	6.89	40.90	74.00	-33.10	peak	H
7503.000	33.79	14.01	47.80	74.00	-26.20	peak	H
2743.000	38.70	0.84	39.54	74.00	-34.46	peak	V
4843.000	34.05	7.54	41.59	74.00	-32.41	peak	V
7384.000	34.08	13.72	47.80	74.00	-26.20	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	08/16/2015
Frequency:	5200MHz	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	37.43	1.03	38.46	74.00	-35.54	peak	H
4759.000	34.28	7.27	41.55	74.00	-32.45	peak	H
7475.000	33.54	13.95	47.49	74.00	-26.51	peak	H
2848.000	38.75	1.19	39.94	74.00	-34.06	peak	V
4766.000	35.58	7.29	42.87	74.00	-31.13	peak	V
7412.000	33.17	13.78	46.95	74.00	-27.05	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	08/16/2015
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
2771.000	38.44	0.93	39.37	74.00	-34.63	peak	H
4605.000	35.01	6.79	41.80	74.00	-32.20	peak	H
7405.000	34.61	13.77	48.38	74.00	-25.62	peak	H
2820.000	38.01	1.10	39.11	74.00	-34.89	peak	V
4780.000	34.39	7.34	41.73	74.00	-32.27	peak	V
7475.000	34.40	13.95	48.35	74.00	-25.65	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	08/16/2015
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
2743.000	38.33	0.84	39.17	74.00	-34.83	peak	H
4605.000	34.67	6.79	41.46	74.00	-32.54	peak	H
7440.000	33.05	13.86	46.91	74.00	-27.09	peak	H
2757.000	37.59	0.88	38.47	74.00	-35.53	peak	V
4738.000	34.76	7.20	41.96	74.00	-32.04	peak	V
7335.000	33.28	13.60	46.88	74.00	-27.12	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	08/16/2015
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
2757.000	38.93	0.88	39.81	74.00	-34.19	peak	H
4633.000	34.02	6.88	40.90	74.00	-33.10	peak	H
7384.000	32.76	13.72	46.48	74.00	-27.52	peak	H
2792.000	38.43	1.01	39.44	74.00	-34.56	peak	V
4577.000	33.93	6.69	40.62	74.00	-33.38	peak	V
7398.000	35.04	13.76	48.80	74.00	-25.20	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	08/16/2015
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
2834.000	37.88	1.14	39.02	74.00	-34.98	peak	H
4773.000	34.75	7.32	42.07	74.00	-31.93	peak	H
7496.000	33.44	14.00	47.44	74.00	-26.56	peak	H
2778.000	37.01	0.96	37.97	74.00	-36.03	peak	V
4577.000	35.50	6.69	42.19	74.00	-31.81	peak	V
7321.000	33.34	13.56	46.90	74.00	-27.10	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	08/16/2015
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
2764.000	38.63	0.91	39.54	74.00	-34.46	peak	H
4745.000	33.82	7.22	41.04	74.00	-32.96	peak	H
7454.000	33.46	13.90	47.36	74.00	-26.64	peak	H
2757.000	37.24	0.88	38.12	74.00	-35.88	peak	V
4605.000	34.14	6.79	40.93	74.00	-33.07	peak	V
7426.000	33.29	13.82	47.11	74.00	-26.89	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	08/16/2015
Frequency:	5560MHz	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
2757.000	38.09	0.88	38.97	74.00	-35.03	peak	H
4584.000	34.72	6.72	41.44	74.00	-32.56	peak	H
7384.000	33.56	13.72	47.28	74.00	-26.72	peak	H
2813.000	38.43	1.07	39.50	74.00	-34.50	peak	V
4605.000	34.46	6.79	41.25	74.00	-32.75	peak	V
7398.000	33.14	13.76	46.90	74.00	-27.10	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	08/16/2015
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
2813.000	38.25	1.07	39.32	74.00	-34.68	peak	H
4710.000	34.07	7.11	41.18	74.00	-32.82	peak	H
7468.000	33.84	13.94	47.78	74.00	-26.22	peak	H
2841.000	37.96	1.17	39.13	74.00	-34.87	peak	V
4640.000	34.68	6.89	41.57	74.00	-32.43	peak	V
7384.000	33.42	13.72	47.14	74.00	-26.86	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	08/16/2015
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
3100.000	38.33	2.16	40.49	74.00	-33.51	peak	H
4605.000	34.17	6.79	40.96	74.00	-33.04	peak	H
6754.000	34.53	12.16	46.69	74.00	-27.31	peak	H
3191.000	38.78	2.55	41.33	74.00	-32.67	peak	V
4752.000	35.28	7.25	42.53	74.00	-31.47	peak	V
6656.000	35.94	11.93	47.87	74.00	-26.13	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	08/16/2015
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
3198.000	38.22	2.59	40.81	74.00	-33.19	peak	H
4724.000	33.72	7.16	40.88	74.00	-33.12	peak	H
6796.000	34.96	12.26	47.22	74.00	-26.78	peak	H
3198.000	38.08	2.59	40.67	74.00	-33.33	peak	V
4584.000	33.83	6.72	40.55	74.00	-33.45	peak	V
6789.000	34.05	12.25	46.30	74.00	-27.70	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	08/16/2015
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
3142.000	38.43	2.34	40.77	74.00	-33.23	peak	H
4584.000	34.55	6.72	41.27	74.00	-32.73	peak	H
6719.000	34.79	12.08	46.87	74.00	-27.13	peak	H
3121.000	38.93	2.25	41.18	74.00	-32.82	peak	V
4640.000	34.17	6.89	41.06	74.00	-32.94	peak	V
6684.000	34.42	11.99	46.41	74.00	-27.59	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	08/16/2015
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
2855.000	37.31	1.22	38.53	74.00	-35.47	peak	H
4612.000	33.94	6.80	40.74	74.00	-33.26	peak	H
7524.000	33.26	14.04	47.30	74.00	-26.70	peak	H
2827.000	37.74	1.12	38.86	74.00	-35.14	peak	V
4752.000	34.58	7.25	41.83	74.00	-32.17	peak	V
7412.000	32.59	13.78	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:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	08/16/2015
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
2834.000	38.19	1.14	39.33	74.00	-34.67	peak	H
4654.000	33.81	6.94	40.75	74.00	-33.25	peak	H
7489.000	33.27	13.99	47.26	74.00	-26.74	peak	H
2827.000	37.63	1.12	38.75	74.00	-35.25	peak	V
4619.000	35.65	6.83	42.48	74.00	-31.52	peak	V
7461.000	33.92	13.91	47.83	74.00	-26.17	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	08/16/2015
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
2757.000	37.67	0.88	38.55	74.00	-35.45	peak	H
4640.000	34.55	6.89	41.44	74.00	-32.56	peak	H
7419.000	32.47	13.81	46.28	74.00	-27.72	peak	H
2806.000	39.11	1.05	40.16	74.00	-33.84	peak	V
4598.000	34.27	6.77	41.04	74.00	-32.96	peak	V
7405.000	33.51	13.77	47.28	74.00	-26.72	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	08/16/2015
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
2757.000	37.82	0.88	38.70	74.00	-35.30	peak	H
4647.000	33.89	6.91	40.80	74.00	-33.20	peak	H
7475.000	34.04	13.95	47.99	74.00	-26.01	peak	H
2764.000	37.58	0.91	38.49	74.00	-35.51	peak	V
4661.000	34.14	6.96	41.10	74.00	-32.90	peak	V
7426.000	33.42	13.82	47.24	74.00	-26.76	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	08/16/2015
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
2743.000	37.95	0.84	38.79	74.00	-35.21	peak	H
4598.000	34.13	6.77	40.90	74.00	-33.10	peak	H
7405.000	34.47	13.77	48.24	74.00	-25.76	peak	H
2855.000	37.98	1.22	39.20	74.00	-34.80	peak	V
4647.000	34.00	6.91	40.91	74.00	-33.09	peak	V
7391.000	33.55	13.73	47.28	74.00	-26.72	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	08/16/2015
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
2771.000	37.95	0.93	38.88	74.00	-35.12	peak	H
4857.000	34.63	7.57	42.20	74.00	-31.80	peak	H
7461.000	33.58	13.91	47.49	74.00	-26.51	peak	H
2799.000	37.97	1.03	39.00	74.00	-35.00	peak	V
4577.000	34.51	6.69	41.20	74.00	-32.80	peak	V
7384.000	33.06	13.72	46.78	74.00	-27.22	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	08/16/2015
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
2750.000	37.90	0.86	38.76	74.00	-35.24	peak	H
4822.000	34.34	7.46	41.80	74.00	-32.20	peak	H
7475.000	33.30	13.95	47.25	74.00	-26.75	peak	H
2841.000	38.22	1.17	39.39	74.00	-34.61	peak	V
4612.000	34.31	6.80	41.11	74.00	-32.89	peak	V
7496.000	32.78	14.00	46.78	74.00	-27.22	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	08/16/2015
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
3051.000	38.53	1.94	40.47	74.00	-33.53	peak	H
4661.000	34.43	6.96	41.39	74.00	-32.61	peak	H
6663.000	34.63	11.94	46.57	74.00	-27.43	peak	H
3072.000	37.60	2.03	39.63	74.00	-34.37	peak	V
4556.000	34.32	6.63	40.95	74.00	-33.05	peak	V
6663.000	34.24	11.94	46.18	74.00	-27.82	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	08/16/2015
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
3212.000	37.70	2.64	40.34	74.00	-33.66	peak	H
4605.000	34.08	6.79	40.87	74.00	-33.13	peak	H
6663.000	34.38	11.94	46.32	74.00	-27.68	peak	H
3135.000	38.54	2.31	40.85	74.00	-33.15	peak	V
4619.000	34.68	6.83	41.51	74.00	-32.49	peak	V
6670.000	35.63	11.96	47.59	74.00	-26.41	peak	V

Band Edge

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	08/16/2015
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
5132.800	49.24	8.19	57.43	74.00	-16.57	peak	H
5132.800	35.92	8.19	44.11	54.00	-9.89	AVG	H
5150.000	47.38	8.21	55.59	74.00	-18.41	peak	H
5150.000	37.69	8.21	45.90	54.00	-8.10	AVG	H
4928.400	49.10	7.80	56.90	74.00	-17.10	peak	V
4928.400	36.08	7.80	43.88	54.00	-10.12	AVG	V
5150.000	46.64	8.21	54.85	74.00	-19.15	peak	V
5150.000	37.14	8.21	45.35	54.00	-8.65	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	08/16/2015
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	46.93	8.48	55.41	74.00	-18.59	peak	H
5350.000	38.10	8.48	46.58	54.00	-7.42	AVG	H
5354.160	49.10	8.48	57.58	74.00	-16.42	peak	H
5354.160	37.15	8.48	45.63	54.00	-8.37	AVG	H
5350.000	48.16	8.48	56.64	74.00	-17.36	peak	V
5350.000	38.78	8.48	47.26	54.00	-6.74	AVG	H
5354.020	49.09	8.48	57.57	74.00	-16.43	peak	V
5354.020	37.79	8.48	46.27	54.00	-7.73	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	08/16/2015
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
5375.650	48.65	8.51	57.16	74.00	-16.84	peak	H
5375.650	35.64	8.51	44.15	54.00	-9.85	AVG	H
5460.000	45.56	8.62	54.18	74.00	-19.82	peak	H
5460.000	36.33	8.62	44.95	54.00	-9.05	AVG	H
5427.700	49.01	8.58	57.59	74.00	-16.41	peak	V
5427.700	36.67	8.58	45.25	54.00	-8.75	AVG	H
5460.000	45.88	8.62	54.50	74.00	-19.50	peak	V
5460.000	36.17	8.62	44.79	54.00	-9.21	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	09/02/2015
Frequency:	5745 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
5714.300	54.72	9.18	63.90	68.20	-4.30	peak	H
5715.000	54.00	9.18	63.18	68.20	-5.02	peak	H
5724.050	63.66	9.21	72.87	78.20	-5.33	peak	H
5725.000	61.90	9.21	71.11	78.20	-7.09	peak	H
5713.250	51.20	9.18	60.38	68.20	-7.82	peak	V
5715.000	51.35	9.18	60.53	68.20	-7.67	peak	H
5722.400	63.06	9.21	72.27	78.20	-5.93	peak	V
5725.000	66.69	9.21	75.90	78.20	-2.30	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	09/02/2015
Frequency:	5785 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
5715.000	43.73	9.18	52.91	68.20	-15.29	peak	H
5725.000	44.77	9.21	53.98	78.20	-24.22	peak	H
5850.000	43.10	9.51	52.61	78.20	-25.59	peak	H
5860.000	42.95	9.53	52.48	68.20	-15.72	peak	H
5715.000	45.38	9.18	54.56	68.20	-13.64	peak	V
5725.000	44.49	9.21	53.70	78.20	-24.50	peak	H
5850.000	43.26	9.51	52.77	78.20	-25.43	peak	V
5860.000	43.08	9.53	52.61	68.20	-15.59	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 2	Date:	09/02/2015
Frequency:	5825 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
5850.000	58.57	9.51	68.08	78.20	-10.12	peak	H
5851.680	60.41	9.52	69.93	78.20	-8.27	peak	H
5860.000	47.02	9.53	56.55	68.20	-11.65	peak	H
5861.580	50.97	9.54	60.51	68.20	-7.69	peak	H
5850.000	61.23	9.51	70.74	78.20	-7.46	peak	V
5850.960	64.30	9.51	73.81	78.20	-4.39	peak	H
5860.000	55.53	9.53	65.06	68.20	-3.14	peak	V
5861.580	52.42	9.54	61.96	68.20	-6.24	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	08/16/2015
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
4885.700	48.39	7.66	56.05	74.00	-17.95	peak	H
4885.700	36.09	7.66	43.75	54.00	-10.25	AVG	H
5150.000	46.56	8.21	54.77	74.00	-19.23	peak	H
5150.000	36.79	8.21	45.00	54.00	-9.00	AVG	H
4897.600	48.62	7.71	56.33	74.00	-17.67	peak	V
4897.600	36.07	7.71	43.78	54.00	-10.22	AVG	V
5150.000	46.15	8.21	54.36	74.00	-19.64	peak	V
5150.000	36.38	8.21	44.59	54.00	-9.41	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	08/16/2015
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	46.07	8.48	54.55	74.00	-19.45	peak	H
5350.000	36.76	8.48	45.24	54.00	-8.76	AVG	H
5441.940	49.01	8.60	57.61	74.00	-16.39	peak	H
5441.940	35.54	8.60	44.14	54.00	-9.86	AVG	H
5350.000	46.20	8.48	54.68	74.00	-19.32	peak	V
5350.000	37.02	8.48	45.50	54.00	-8.50	AVG	V
5391.680	49.05	8.53	57.58	74.00	-16.42	peak	V
5391.680	36.46	8.53	44.99	54.00	-9.01	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	08/16/2015
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
5375.050	48.77	8.51	57.28	74.00	-16.72	peak	H
5375.050	35.54	8.51	44.05	54.00	-9.95	AVG	H
5460.000	45.75	8.62	54.37	74.00	-19.63	peak	H
5460.000	35.82	8.62	44.44	54.00	-9.56	AVG	H
5399.500	48.37	8.54	56.91	74.00	-17.09	peak	V
5399.500	35.62	8.54	44.16	54.00	-9.84	AVG	V
5460.000	46.92	8.62	55.54	74.00	-18.46	peak	V
5460.000	35.81	8.62	44.43	54.00	-9.57	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	09/02/2015
Frequency:	5745 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
5712.050	56.05	9.18	65.23	68.20	-2.97	peak	H
5715.000	50.40	9.18	59.58	68.20	-8.62	peak	H
5723.300	66.13	9.21	75.34	78.20	-2.86	peak	H
5725.000	63.54	9.21	72.75	78.20	-5.45	peak	H
5713.400	57.90	9.18	67.08	68.20	-1.12	peak	V
5715.000	53.81	9.18	62.99	68.20	-5.21	peak	H
5723.750	66.62	9.21	75.83	78.20	-2.37	peak	V
5725.000	68.04	9.21	77.25	78.20	-0.95	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	09/02/2015
Frequency:	5785 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
5715.000	43.70	9.18	52.88	68.20	-15.32	peak	H
5725.000	44.04	9.21	53.25	78.20	-24.95	peak	H
5850.000	42.90	9.51	52.41	78.20	-25.79	peak	H
5860.000	41.46	9.53	50.99	68.20	-17.21	peak	H
5715.000	45.20	9.18	54.38	68.20	-13.82	peak	V
5725.000	43.89	9.21	53.10	78.20	-25.10	peak	H
5850.000	43.85	9.51	53.36	78.20	-24.84	peak	V
5860.000	42.95	9.53	52.48	68.20	-15.72	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 3	Date:	09/02/2015
Frequency:	5825 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
5850.000	59.97	9.51	69.48	78.20	-8.72	peak	H
5851.140	64.10	9.51	73.61	78.20	-4.59	peak	H
5860.000	47.49	9.53	57.02	68.20	-11.18	peak	H
5863.560	46.34	9.55	55.89	68.20	-12.31	peak	H
5850.000	64.45	9.51	73.96	78.20	-4.24	peak	V
5851.140	64.07	9.51	73.58	78.20	-4.62	peak	H
5860.000	54.19	9.53	63.72	68.20	-4.48	peak	V
5862.120	54.39	9.54	63.93	68.20	-4.27	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	08/16/2015
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
4991.400	49.89	7.99	57.88	74.00	-16.12	peak	H
4991.400	36.09	7.99	44.08	54.00	-9.92	AVG	H
5150.000	47.82	8.21	56.03	74.00	-17.97	peak	H
5150.000	41.54	8.21	49.75	54.00	-4.25	AVG	H
5146.800	50.80	8.21	59.01	74.00	-14.99	peak	V
5146.800	39.58	8.21	47.79	54.00	-6.21	AVG	V
5150.000	51.59	8.21	59.80	74.00	-14.20	peak	V
5150.000	40.51	8.21	48.72	54.00	-5.28	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	08/16/2015
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	49.61	8.48	58.09	74.00	-15.91	peak	H
5350.000	42.08	8.48	50.56	54.00	-3.44	AVG	H
5352.620	52.31	8.48	60.79	74.00	-13.21	peak	H
5352.620	40.24	8.48	48.72	54.00	-5.28	AVG	H
5350.000	53.58	8.48	62.06	74.00	-11.94	peak	V
5350.000	42.35	8.48	50.83	54.00	-3.17	AVG	V
5351.220	53.00	8.48	61.48	74.00	-12.52	peak	V
5351.220	41.73	8.48	50.21	54.00	-3.79	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	08/16/2015
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
5458.150	49.78	8.61	58.39	74.00	-15.61	peak	H
5458.150	39.20	8.61	47.81	54.00	-6.19	AVG	H
5460.000	48.62	8.62	57.24	74.00	-16.76	peak	H
5460.000	39.70	8.62	48.32	54.00	-5.68	AVG	H
5458.450	49.12	8.62	57.74	74.00	-16.26	peak	V
5458.450	37.54	8.62	46.16	54.00	-7.84	AVG	V
5460.000	47.91	8.62	56.53	74.00	-17.47	peak	V
5460.000	38.70	8.62	47.32	54.00	-6.68	AVG	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	09/02/2015
Frequency:	5755 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
5707.680	54.92	9.16	64.08	68.20	-4.12	peak	H
5715.000	54.61	9.18	63.79	68.20	-4.41	peak	H
5722.880	60.74	9.21	69.95	78.20	-8.25	peak	H
5725.000	62.09	9.21	71.30	78.20	-6.90	peak	H
5713.760	56.65	9.18	65.83	68.20	-2.37	peak	V
5715.000	56.00	9.18	65.18	68.20	-3.02	peak	H
5722.720	64.32	9.21	73.53	78.20	-4.67	peak	V
5725.000	65.49	9.21	74.70	78.20	-3.50	peak	V

Standard:	FCC Part 15E	Test Distance:	3m
Test item:	Radiated Emission	Power:	AC 120V/60Hz
Model Number:	CAPRICA2L	Temp.(℃)/Hum.(%RH):	26(℃)/60%RH
Test Mode:	Mode 4	Date:	09/02/2015
Frequency:	5795 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
5850.000	63.84	9.51	73.35	78.20	-4.85	peak	H
5852.160	63.46	9.52	72.98	78.20	-5.22	peak	H
5860.000	54.20	9.53	63.73	68.20	-4.47	peak	H
5861.400	55.02	9.54	64.56	68.20	-3.64	peak	H
5850.000	58.71	9.51	68.22	78.20	-9.98	peak	V
5850.480	65.36	9.51	74.87	78.20	-3.33	peak	H
5860.000	55.62	9.53	65.15	68.20	-3.05	peak	V
5865.180	56.76	9.55	66.31	68.20	-1.89	peak	V

6 Maximum Conducted Output Power Measurement

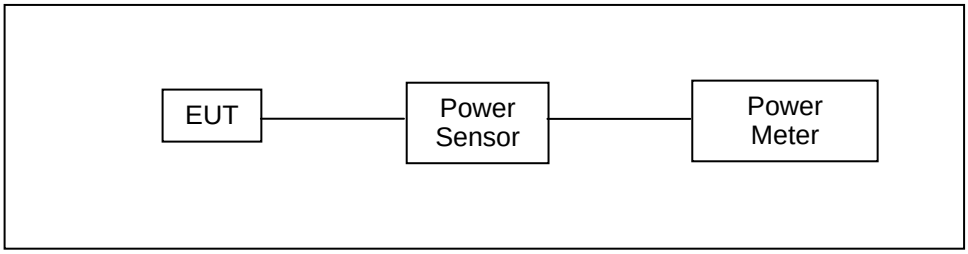
6.1. Limit

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)

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	08/24/2015	(1)
Power Meter	Anritsu	ML2495A	1135009	08/24/2015	(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	CAPRICA2L				
Test Item	Maximum Conducted Output Power				
Test Mode	Mode 2: IEEE 802.11a Link Mode				
Date of Test	08/27/2015		Test Site	TE02	

Frequency (MHz)	Data Rate	ANT-0 Average Power		ANT-1 Average Power		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	
5180.0	6M	12.24	0.017	**12.43**	**0.017**	< 24
5200.0		12.32	0.017	12.36	0.017	
5220.0		12.24	0.017	12.36	0.017	
5240.0		12.08	0.016	12.28	0.017	
5260.0		12.34	0.017	12.62	0.018	< 24
5280.0		12.40	0.017	12.44	0.018	
5300.0		12.54	0.018	**12.85**	**0.019**	
5320.0		12.31	0.017	12.71	0.019	
5500.0		12.87	0.019	13.55	0.023	< 24
5520.0		13.10	0.020	**13.75**	**0.024**	
5540.0		12.94	0.020	13.61	0.023	
5560.0		12.97	0.020	13.42	0.022	
5580.0		13.10	0.020	13.55	0.023	
5600.0		13.18	0.021	13.59	0.023	
5620.0		13.23	0.021	13.38	0.022	
5640.0		13.22	0.021	13.27	0.021	
5660.0		13.03	0.020	13.07	0.020	
5680.0		12.72	0.019	13.00	0.020	
5700.0		12.82	0.019	12.93	0.020	
5745.0		13.69	0.023	**13.87**	**0.024**	< 30
5765.0		12.72	0.019	13.38	0.022	
5785.0		12.72	0.019	12.79	0.019	
5805.0		12.17	0.016	12.51	0.018	
5825.0		12.05	0.016	12.10	0.016	

Model Number	CAPRICA2L			
Test Item	Maximum Conducted Output Power			
Test Mode	Mode 2: IEEE 802.11a Link Mode			
Date of Test	08/27/2015		Test Site	TE02

Frequency (MHz)	Data Rate	ANT-0 Average Power		ANT-1 Average Power		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	
5180.0	54M	12.21	0.017	12.39	0.017	< 24
5200.0		12.28	0.017	12.31	0.017	
5220.0		12.22	0.017	12.35	0.017	
5240.0		12.04	0.016	12.21	0.017	
5260.0		12.31	0.017	12.60	0.018	< 24
5280.0		12.35	0.017	12.42	0.017	
5300.0		12.48	0.018	12.79	0.019	
5320.0		12.28	0.017	12.67	0.018	
5500.0		12.83	0.019	13.51	0.022	< 24
5520.0		13.04	0.020	13.71	0.023	
5540.0		12.87	0.019	13.57	0.023	
5560.0		12.93	0.020	13.36	0.022	
5580.0		13.02	0.020	13.53	0.023	
5600.0		13.08	0.020	13.54	0.023	
5620.0		13.16	0.021	13.34	0.022	
5640.0		13.18	0.021	13.22	0.021	
5660.0		12.99	0.020	13.01	0.020	
5680.0		12.63	0.018	12.93	0.020	
5700.0		12.76	0.019	12.85	0.019	
5745.0		13.61	0.023	13.85	0.024	< 30
5765.0		12.71	0.019	13.33	0.022	
5785.0		12.66	0.018	12.77	0.019	
5805.0		12.16	0.016	12.43	0.017	
5825.0		12.03	0.016	12.06	0.016	

Model Number	CAPRICA2L			
Test Item	Maximum Conducted Output Power			
Test Mode	Mode 3: IEEE 802.11n 20MHz Link Mode			
Date of Test	08/27/2015		Test Site	TE02

Frequency (MHz)	Data Rate	ANT-0 Average Power		ANT-1 Average Power		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	
5180.0	6.5M	10.50	0.011	10.67	0.012	< 24
5200.0		10.48	0.011	**10.68**	**0.012**	
5220.0		10.49	0.011	10.59	0.011	
5240.0		10.48	0.011	10.52	0.011	
5260.0		10.46	0.011	**10.79**	**0.012**	< 24
5280.0		10.47	0.011	10.59	0.011	
5300.0		10.46	0.011	10.72	0.012	
5320.0		10.51	0.011	10.60	0.011	
5500.0		11.52	0.014	11.98	0.016	< 24
5520.0		11.70	0.015	11.92	0.016	
5540.0		11.52	0.014	11.94	0.016	
5560.0		11.95	0.016	11.98	0.016	
5580.0		11.85	0.015	**12.00**	**0.016**	
5600.0		11.45	0.014	11.58	0.014	
5620.0		11.27	0.013	11.37	0.014	
5640.0		10.94	0.012	11.12	0.013	
5660.0		10.68	0.012	11.11	0.013	
5680.0		10.53	0.011	10.71	0.012	
5700.0		10.50	0.011	10.58	0.011	
5745.0		11.19	0.013	**11.40**	**0.014**	< 30
5765.0		11.04	0.013	11.21	0.013	
5785.0		10.47	0.011	10.55	0.011	
5805.0		10.45	0.011	10.59	0.011	
5825.0		10.49	0.011	10.58	0.011	

Model Number	CAPRICA2L			
Test Item	Maximum Conducted Output Power			
Test Mode	Mode 3: IEEE 802.11n 20MHz Link Mode			
Date of Test	08/27/2015		Test Site	TE02

Frequency (MHz)	Data Rate	ANT-0 Average Power		ANT-1 Average Power		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	
5180.0	65M	10.44	0.011	10.61	0.012	< 24
5200.0		10.45	0.011	10.61	0.012	
5220.0		10.45	0.011	10.57	0.011	
5240.0		10.40	0.011	10.42	0.011	
5260.0		10.37	0.011	10.63	0.012	< 24
5280.0		10.44	0.011	10.50	0.011	
5300.0		10.41	0.011	10.72	0.012	
5320.0		10.48	0.011	10.53	0.011	
5500.0		11.43	0.014	11.94	0.016	< 24
5520.0		11.55	0.014	11.88	0.015	
5540.0		11.48	0.014	11.91	0.016	
5560.0		11.51	0.014	11.96	0.016	
5580.0		11.80	0.015	11.97	0.016	
5600.0		11.43	0.014	11.55	0.014	
5620.0		11.24	0.013	11.30	0.013	
5640.0		10.91	0.012	11.08	0.013	
5660.0		10.59	0.011	11.02	0.013	
5680.0		10.44	0.011	10.65	0.012	
5700.0		10.42	0.011	10.48	0.011	
5745.0		11.10	0.013	11.35	0.014	< 30
5765.0		10.89	0.012	11.17	0.013	
5785.0		10.42	0.011	10.48	0.011	
5805.0		10.43	0.011	10.57	0.011	
5825.0		10.41	0.011	10.55	0.011	

Model Number	CAPRICA2L			
Test Item	Maximum Conducted Output Power			
Test Mode	Mode 4: IEEE 802.11n 40MHz Link Mode			
Date of Test	08/27/2015		Test Site	TE02

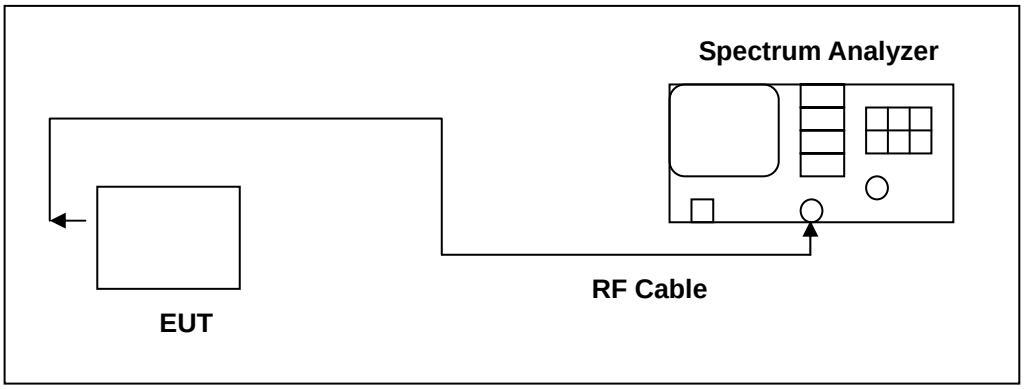
Frequency (MHz)	Data Rate	ANT-0 Average Power		ANT-1 Average Power		FCC Limit (dBm)
		(dBm)	(W)	(dBm)	(W)	
5190.0	13.5M	10.40	0.011	**10.47**	**0.011**	< 24
5230.0		10.22	0.011	10.30	0.011	
5270.0		10.20	0.010	10.26	0.011	< 24
5310.0		10.23	0.011	**10.52**	**0.011**	
5510.0		11.80	0.015	11.96	0.016	< 24
5550.0		11.25	0.013	**12.00**	**0.016**	
5590.0		11.49	0.014	11.90	0.015	
5630.0		10.94	0.012	11.23	0.013	
5670.0		10.65	0.012	10.70	0.012	
5755.0		11.12	0.013	**11.45**	**0.014**	< 30
5795.0		10.28	0.011	10.40	0.011	
5190.0	135M	10.27	0.011	10.30	0.011	< 24
5230.0		10.15	0.010	10.18	0.010	
5270.0		10.16	0.010	10.22	0.011	< 24
5310.0		10.20	0.010	10.43	0.011	
5510.0		11.38	0.014	11.90	0.015	< 24
5550.0		11.20	0.013	11.93	0.016	
5590.0		11.44	0.014	11.90	0.015	
5630.0		10.81	0.012	11.20	0.013	
5670.0		10.58	0.011	10.62	0.012	
5755.0		10.95	0.012	11.35	0.014	< 30
5795.0		10.22	0.011	10.32	0.011	

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	CAPRICA2L		
Test Item	26dB RF Bandwidth & 99 % Occupied Bandwidth Measurement		
Test Mode	Mode 2: IEEE 802.11a Link Mode		
Date of Test	08/18/2015	Test Site	TE02

Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	20.145	16.8298
5200	20.125	16.7660
5240	20.274	16.8059
5260	20.110	16.8145
5280	20.126	16.7656
5320	20.533	16.8291
5500	21.779	16.8044
5560	22.779	16.8307
5700	25.000	16.8742

Model Number	CAPRICA2L		
Test Item	26dB RF Bandwidth & 99 % Occupied Bandwidth Measurement		
Test Mode	Mode 3: IEEE 802.11n 20MHz Link Mode		
Date of Test	08/18/2015	Test Site	TE02

Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	20.621	17.8682
5200	20.676	17.8785
5240	20.651	17.8584
5260	20.599	17.8713
5280	20.628	17.8698
5320	20.544	17.8658
5500	20.682	17.8675
5560	20.592	17.8818
5700	20.516	17.8643

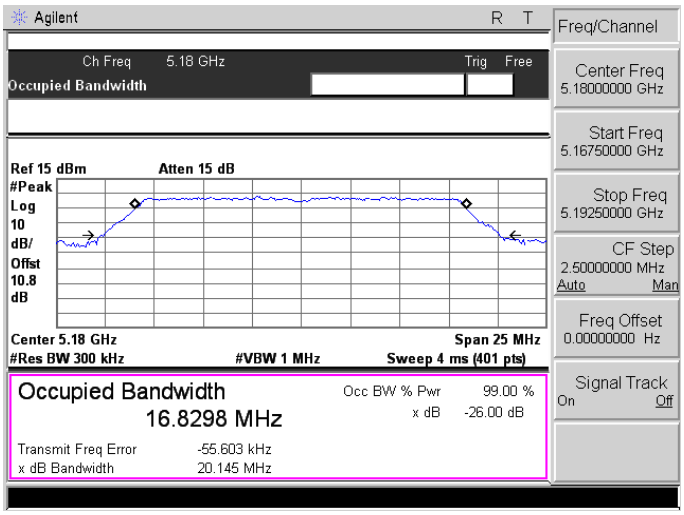
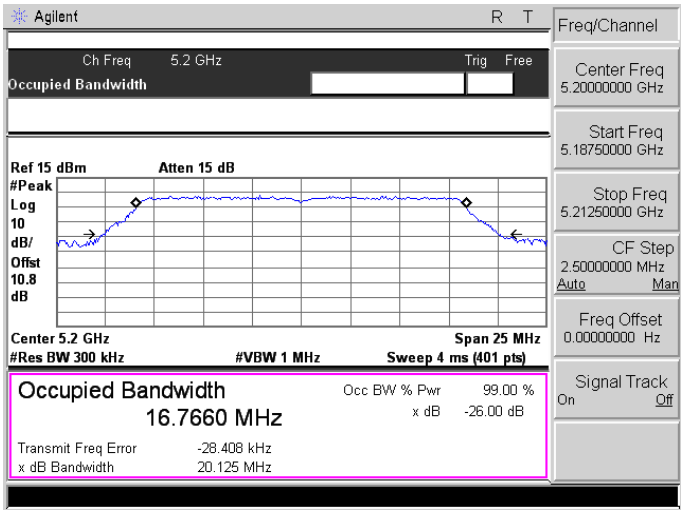
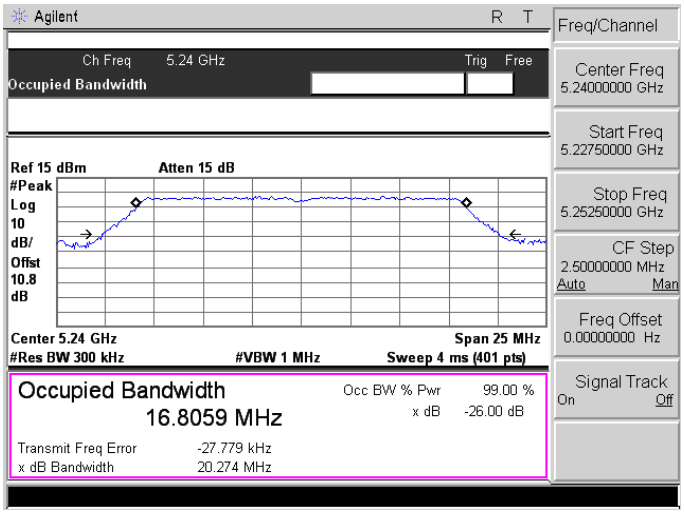
Note: The 99% occupied bandwidth not crossed 5250MHz.

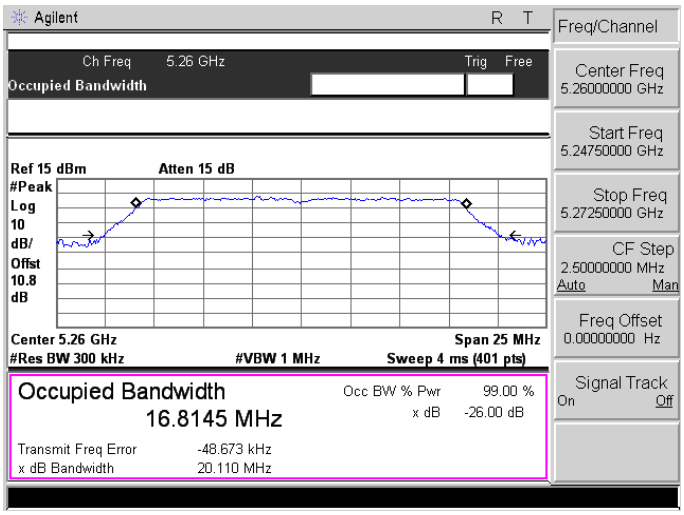
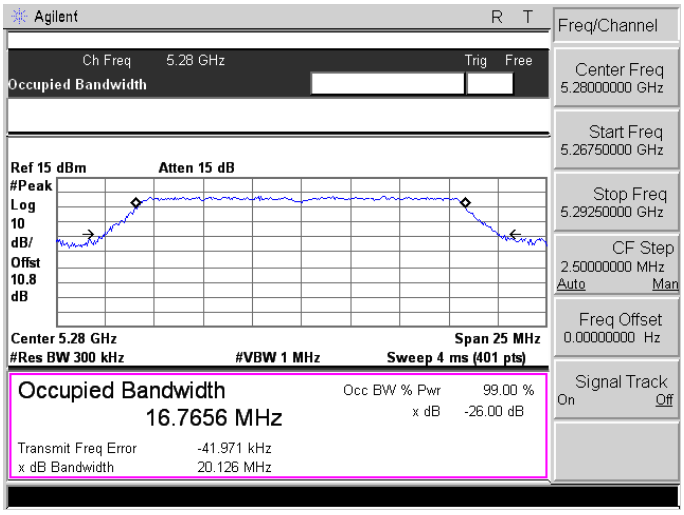
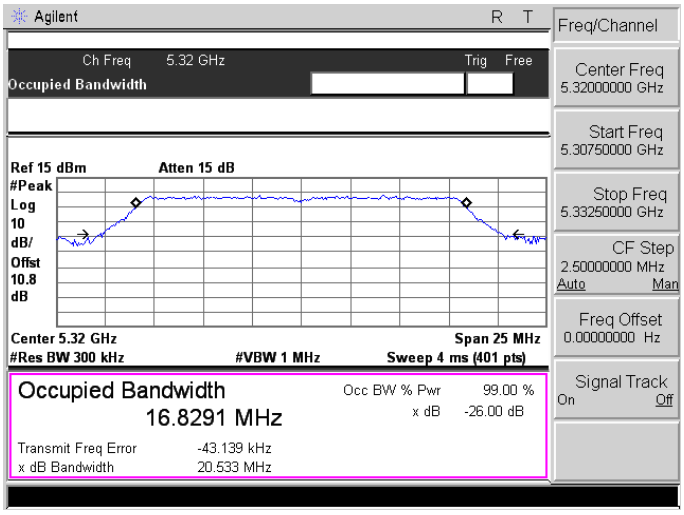
Model Number	CAPRICA2L		
Test Item	26dB RF Bandwidth & 99 % Occupied Bandwidth Measurement		
Test Mode	Mode 4: IEEE 802.11n 40MHz Link Mode		
Date of Test	08/18/2015	Test Site	TE02

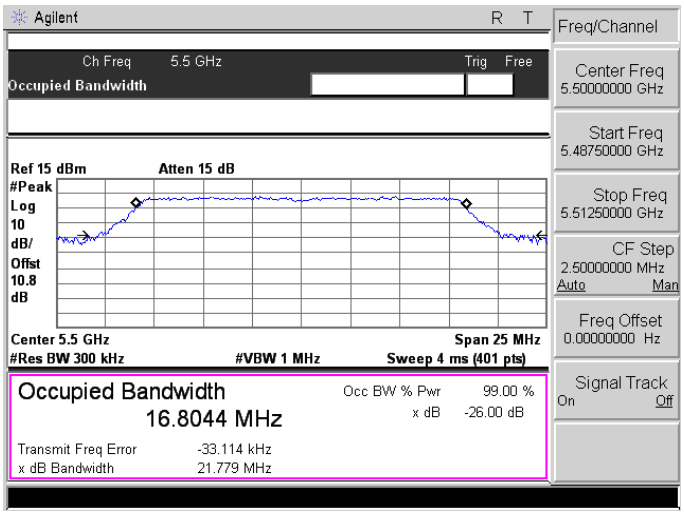
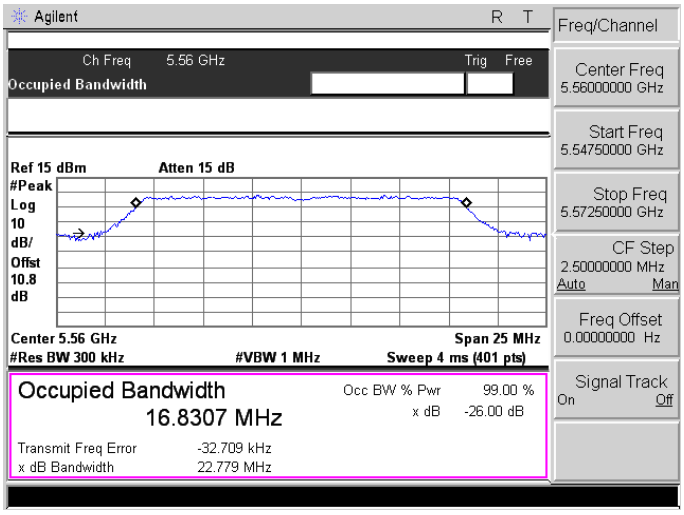
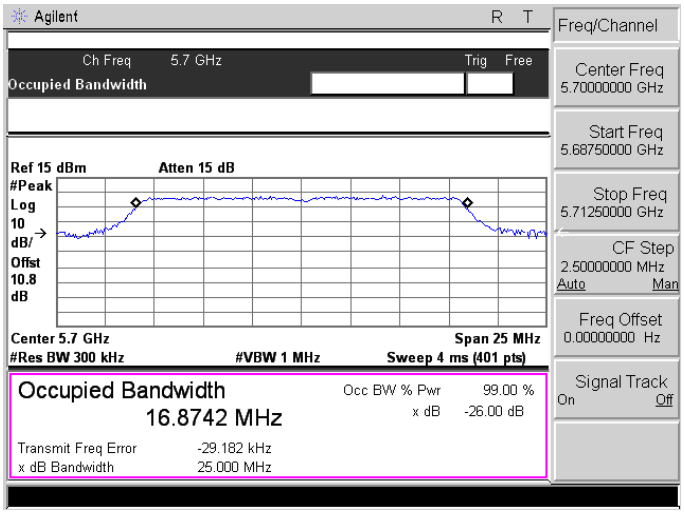
Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5190	42.263	36.8738
5230	42.188	36.8329
5270	42.152	36.8410
5310	42.202	36.8394
5510	42.081	36.8458
5550	42.048	36.8318
5670	42.272	36.8452

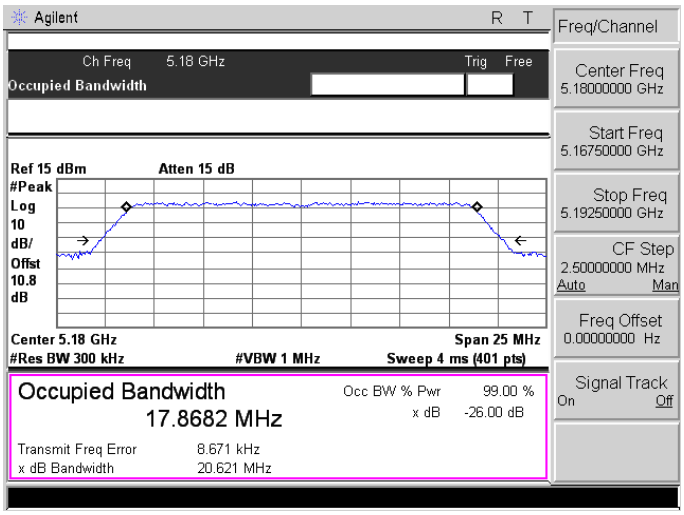
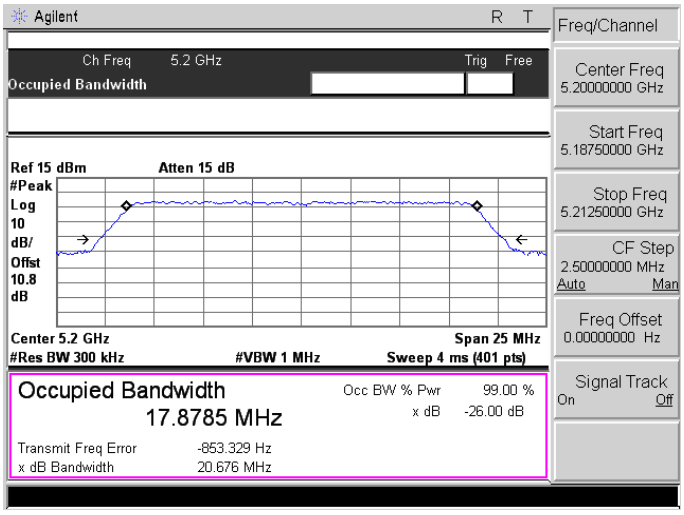
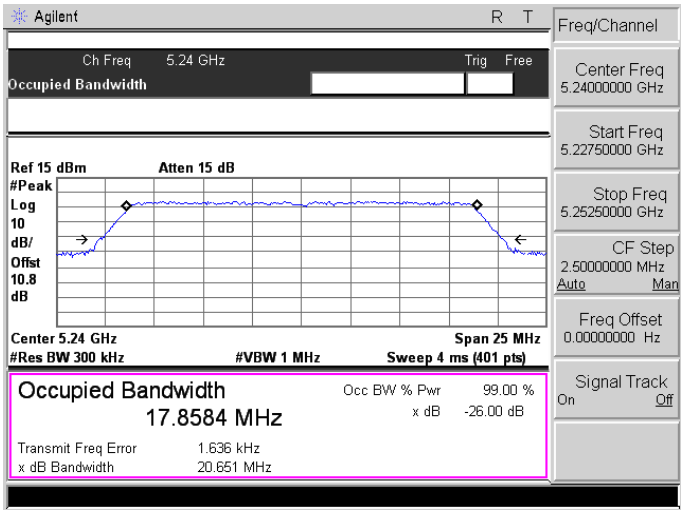
Note: The 99% occupied bandwidth not crossed 5250MHz.

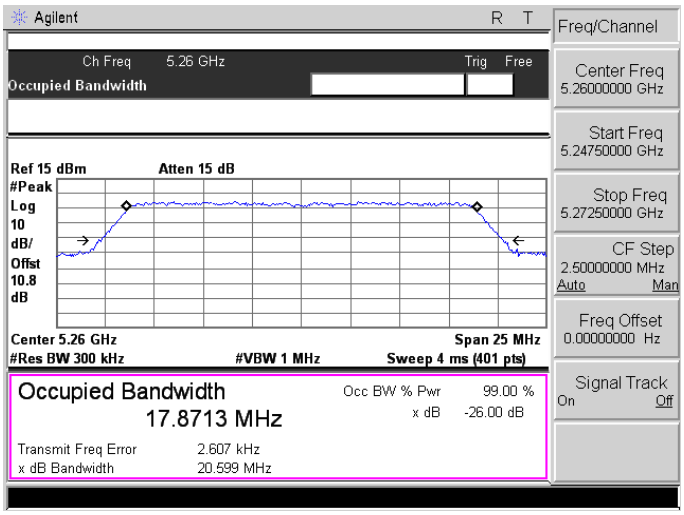
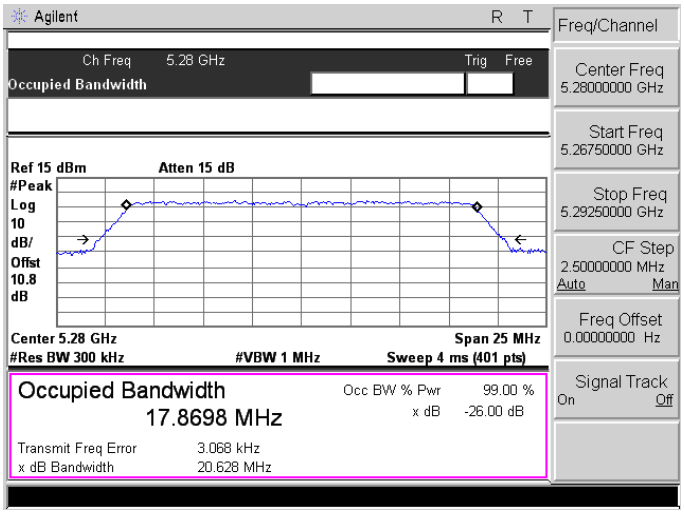
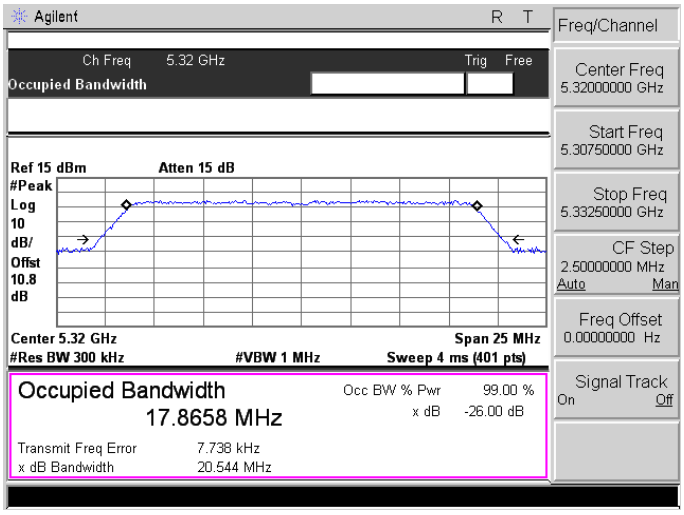
7.6. Test Graphs

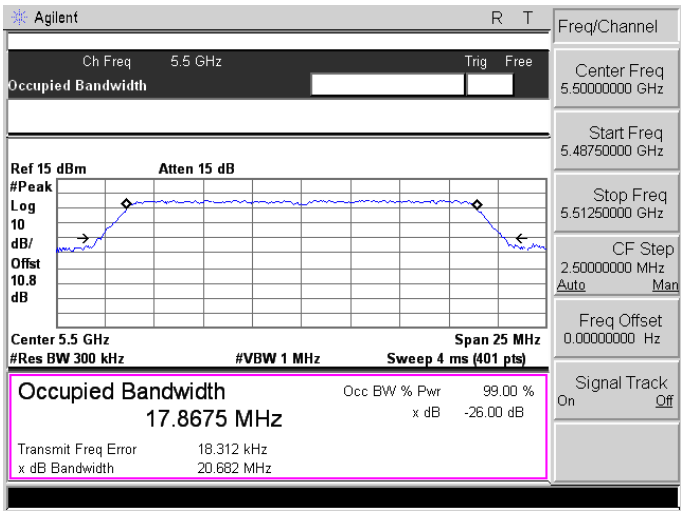
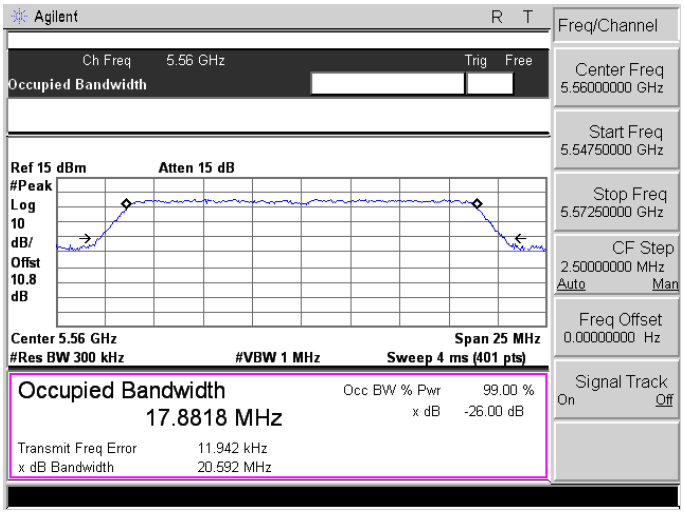
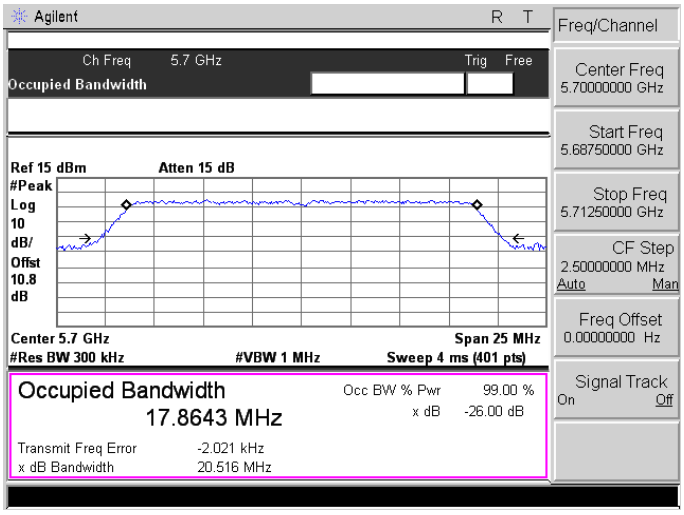
Mode 2: IEEE 802.11a Link Mode	
5180	
5200	
5240	

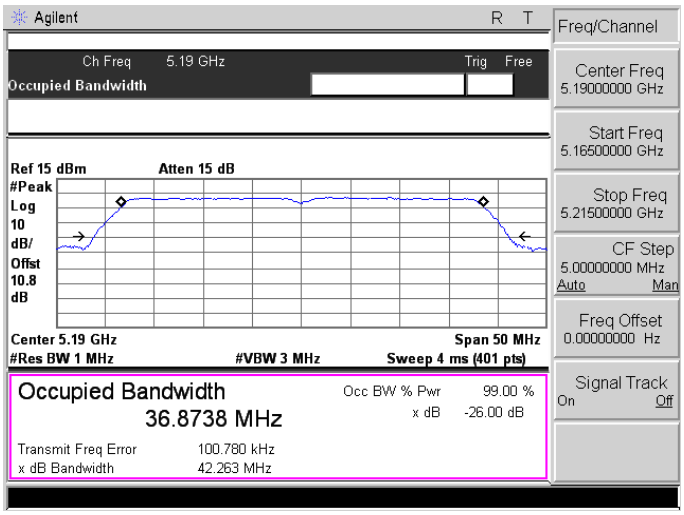
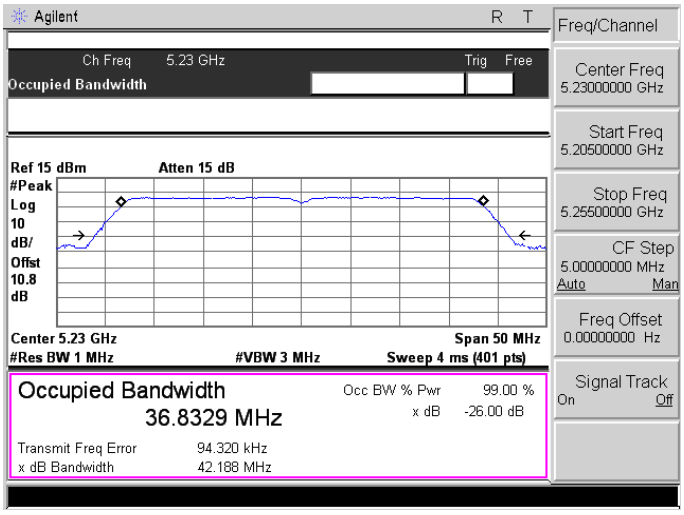
Mode 2: IEEE 802.11a Link Mode	
5260	
5280	
5320	

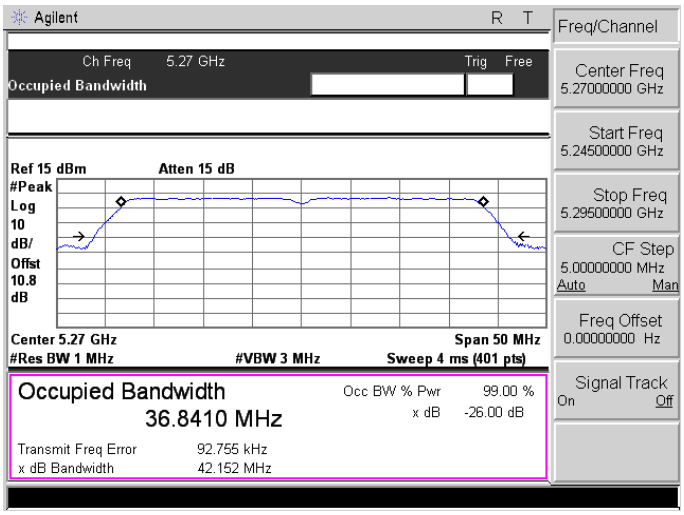
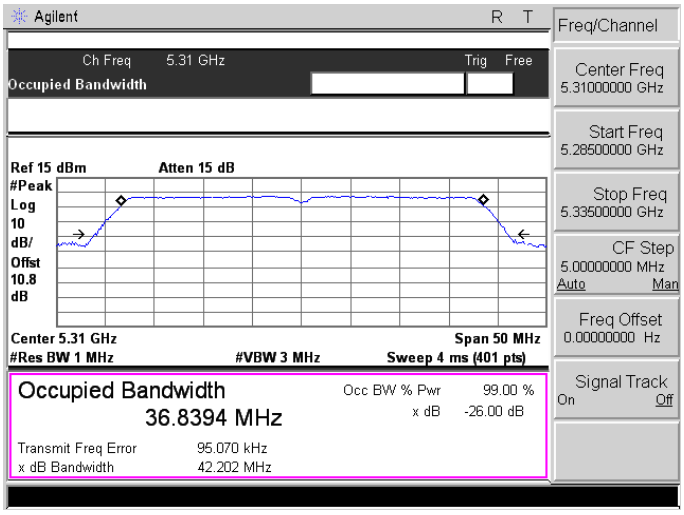
Mode 2: IEEE 802.11a Link Mode	
5500	
5560	
5700	

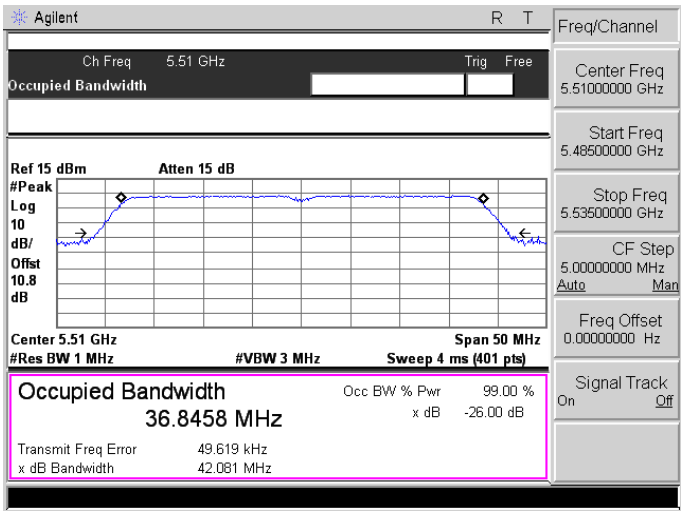
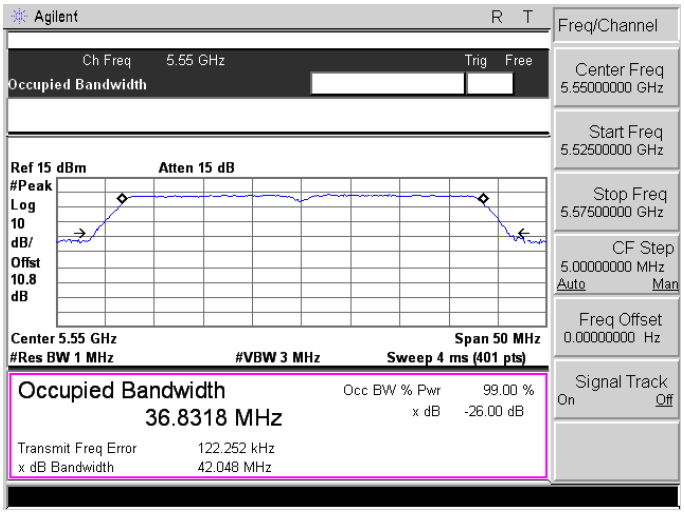
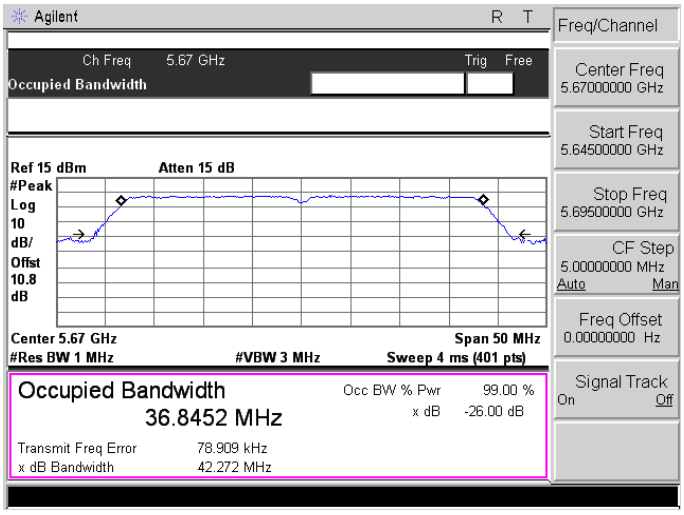
Mode 3: IEEE 802.11n 20MHz Link Mode	
5180	
5200	
5240	

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

Mode 3: IEEE 802.11n 20MHz Link Mode	
5500	
5560	
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	

8 6dB RF Bandwidth & 99 % Occupied Bandwidth Measurement

8.1. Limit

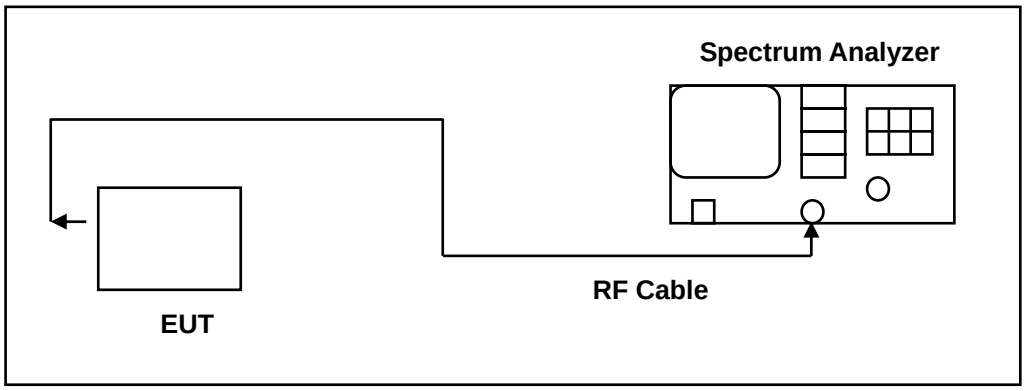
6dB RF Bandwidth

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 tested to UNII test procedure of KDB789033 D02 for compliance to FCC 47CFR 15.407 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.

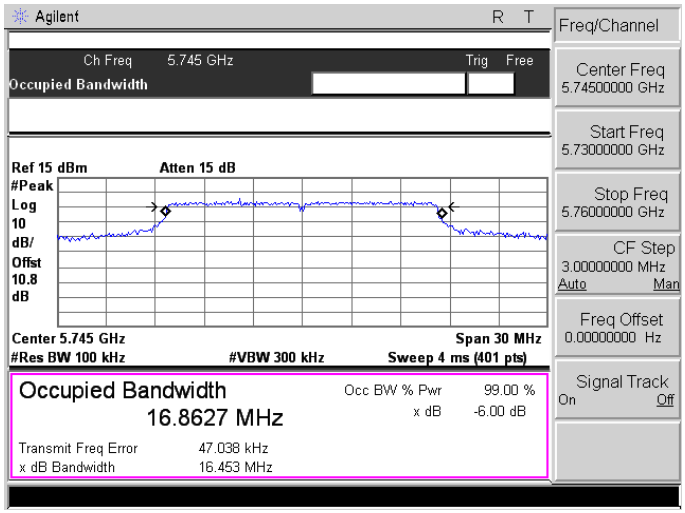
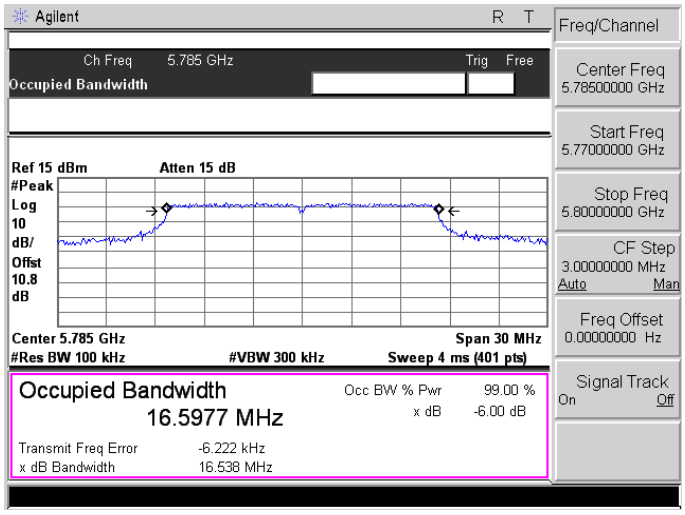
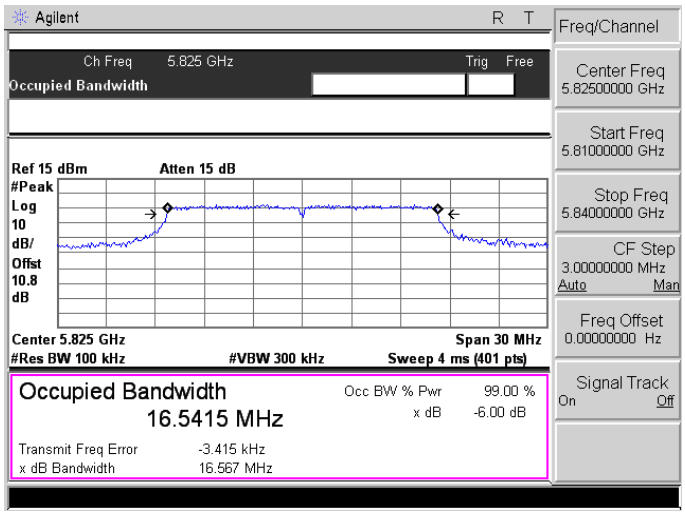
8.5. Test Result

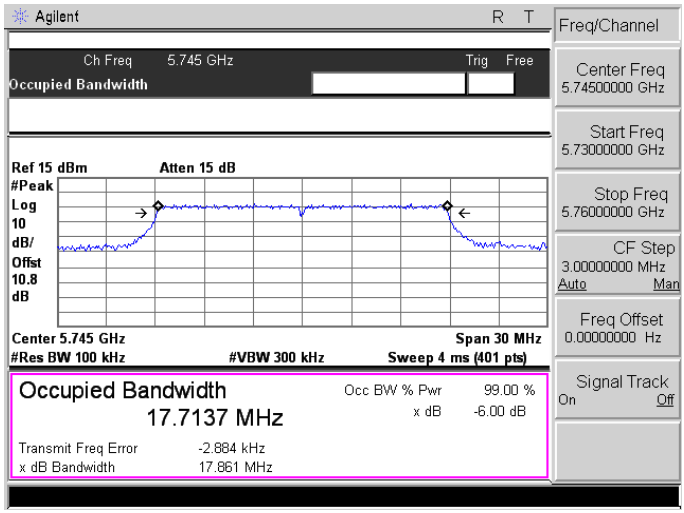
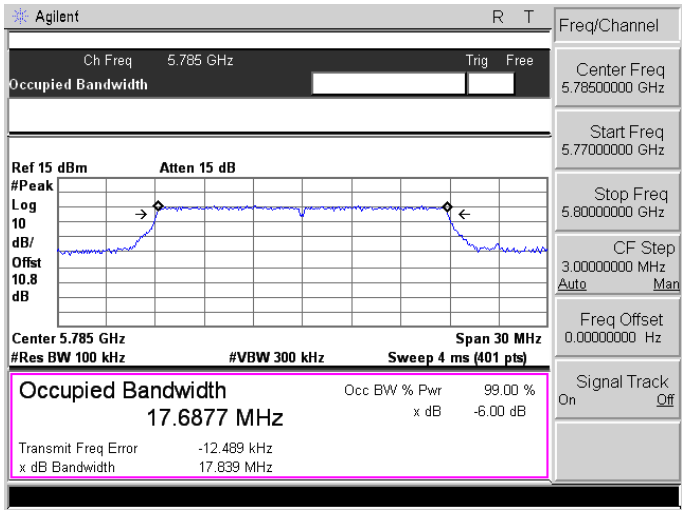
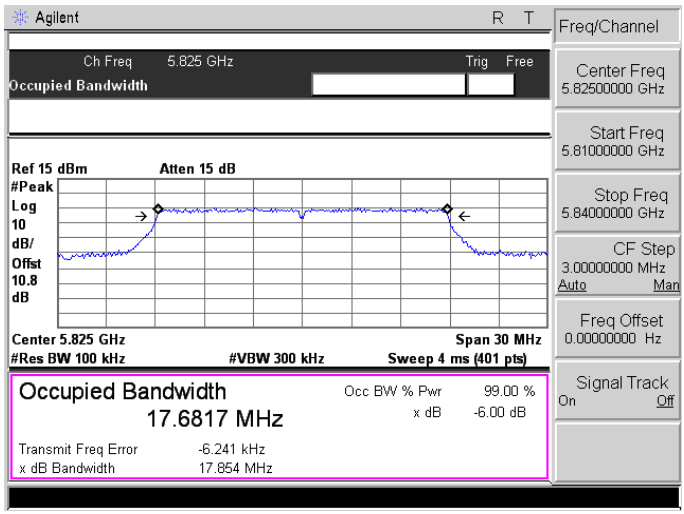
Model Number	CAPRICA2L			
Test Item	6dB RF Bandwidth & 99 % Occupied Bandwidth			
Test Mode	Mode 2: IEEE 802.11a Link Mode			
Date of Test	08/18/2015		Test Site	TE05
Frequency (MHz)	6dB Bandwidth (kHz)	99% Occupied Bandwidth (MHz)	6dB Bandwidth Limit (kHz)	
5745	16453	16.8627	> 500	
5785	16538	16.5977	> 500	
5825	16429	16.5415	> 500	

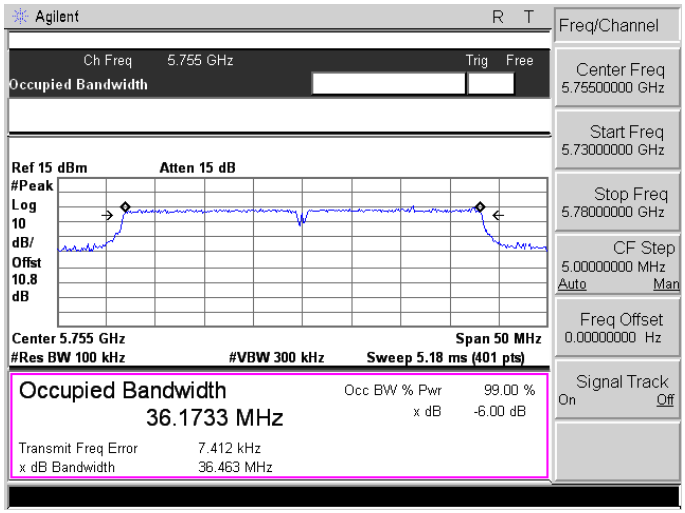
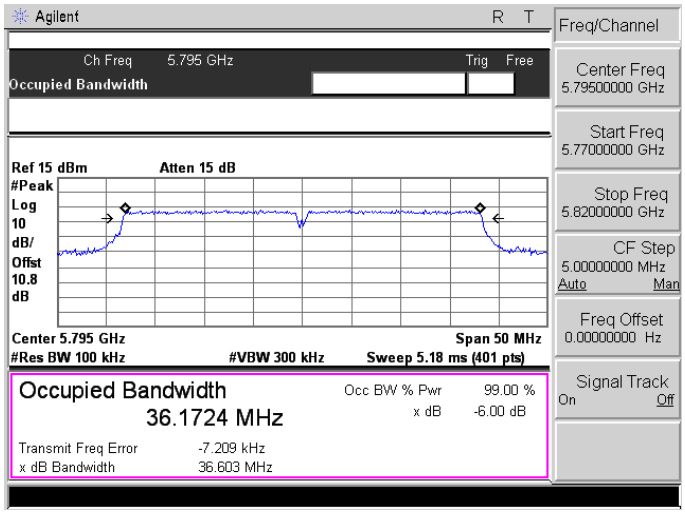
Model Number	CAPRICA2L			
Test Item	6dB RF Bandwidth & 99 % Occupied Bandwidth			
Test Mode	Mode 3: IEEE 802.11n 20MHz Link Mode			
Date of Test	08/18/2015		Test Site	TE05
Frequency (MHz)	6dB Bandwidth (kHz)	99% Occupied Bandwidth (MHz)	6dB Bandwidth Limit (kHz)	
5745	17861	17.7137	> 500	
5785	17839	17.6877	> 500	
5825	17870	17.6817	> 500	

Model Number	CAPRICA2L			
Test Item	6dB RF Bandwidth & 99 % Occupied Bandwidth			
Test Mode	Mode 4: IEEE 802.11n 40MHz Link Mode			
Date of Test	08/18/2015		Test Site	TE05
Frequency (MHz)	6dB Bandwidth (kHz)	99% Occupied Bandwidth (MHz)	6dB Bandwidth Limit (kHz)	
5755	36463	36.1733	> 500	
5795	36603	36.1724	> 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	

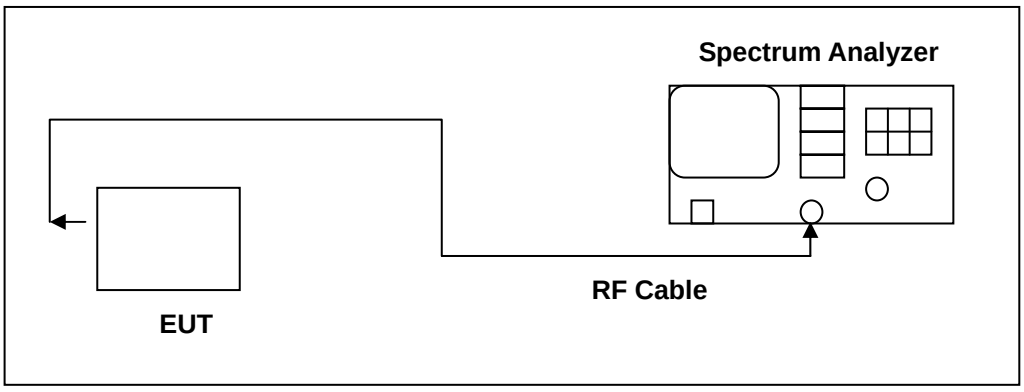
9 Peak Power Spectral Density Measurement

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

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	CAPRICA2L		
Test Item	Conducted power spectral density		
Test Mode	Mode 2: IEEE 802.11a Link Mode		
Date of Test	08/18/2015	Test Site	TE02

Frequency (MHz)	Measurement (dBm/MHz)	FCC Limit (dBm/MHz)
5180	-0.729	< 11
5200	-1.158	
5240	-0.969	
5260	-0.373	< 11
5280	-0.537	
5320	-0.563	
5500	-0.046	< 11
5560	0.112	
5700	-0.160	

Frequency (MHz)	Measurement (dBm/100KHz)	Measurement (dBm/500KHz)	FCC Limit (dBm/500KHz)
5745	-7.13	-0.14	< 30
5785	-8.19	-1.20	
5825	-8.68	-1.69	

Model Number	CAPRICA2L		
Test Item	Conducted power spectral density		
Test Mode	Mode 3: IEEE 802.11n 20MHz Link Mode		
Date of Test	08/18/2015	Test Site	TE02

Frequency (MHz)	Measurement (dBm/MHz)	FCC Limit (dBm/MHz)
5180	-3.765	< 11
5200	-3.528	
5240	-3.384	
5260	-3.447	< 11
5280	-3.340	
5320	-3.059	
5500	-1.998	< 11
5560	-1.998	
5700	-2.500	

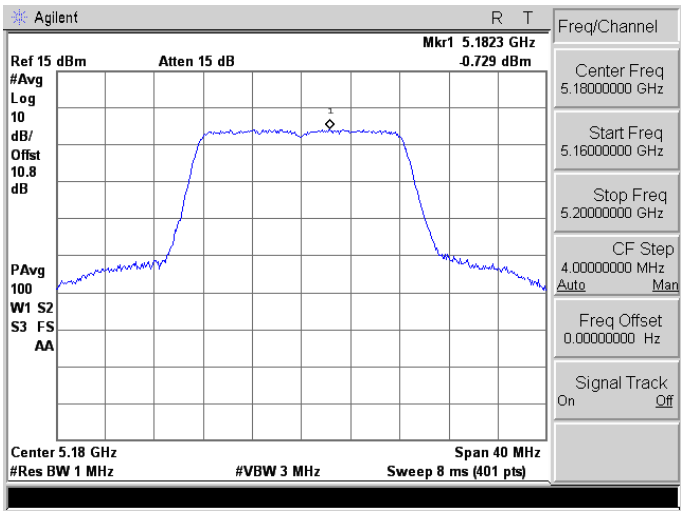
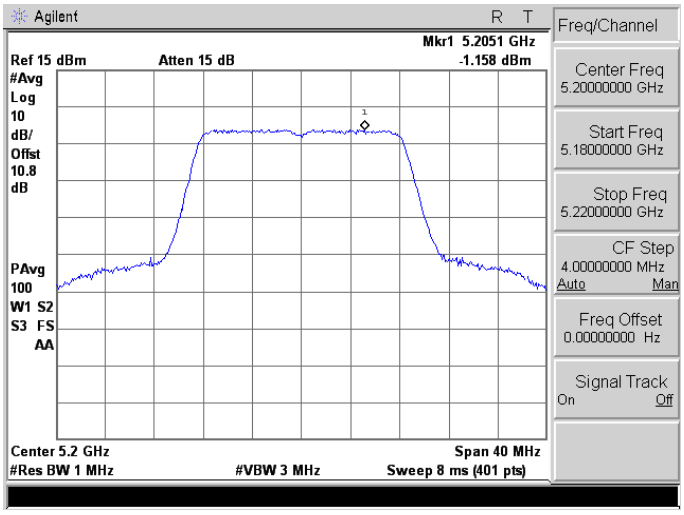
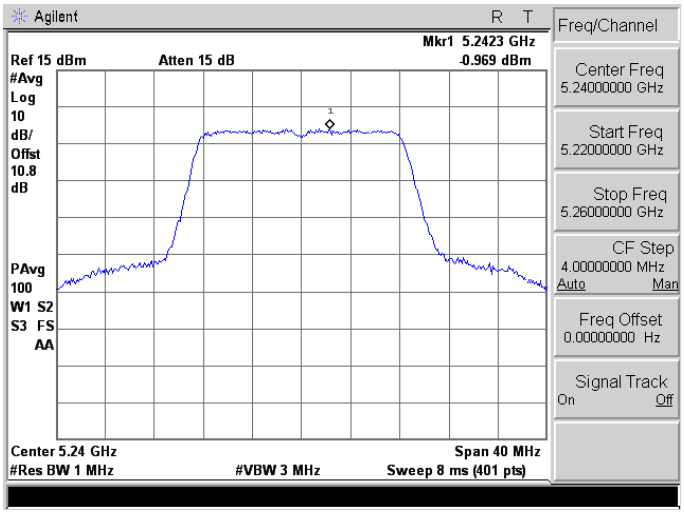
Frequency (MHz)	Measurement (dBm/100KHz)	Measurement (dBm/500KHz)	FCC Limit (dBm/500KHz)
5745	-9.62	-2.63	< 30
5785	-10.26	-3.27	
5825	-11.39	-4.40	

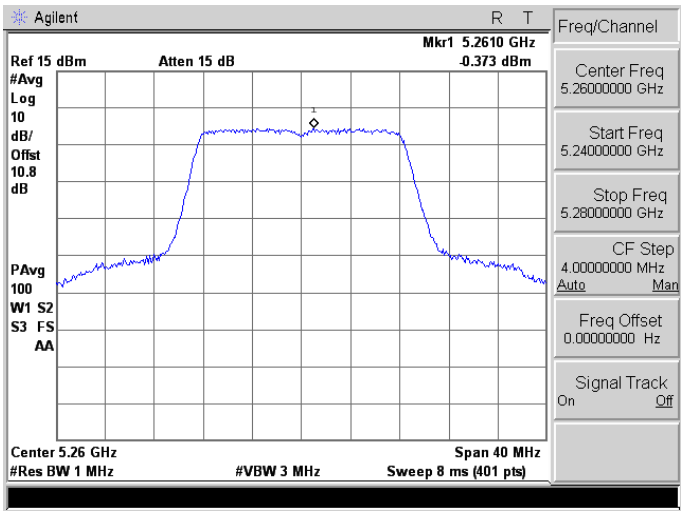
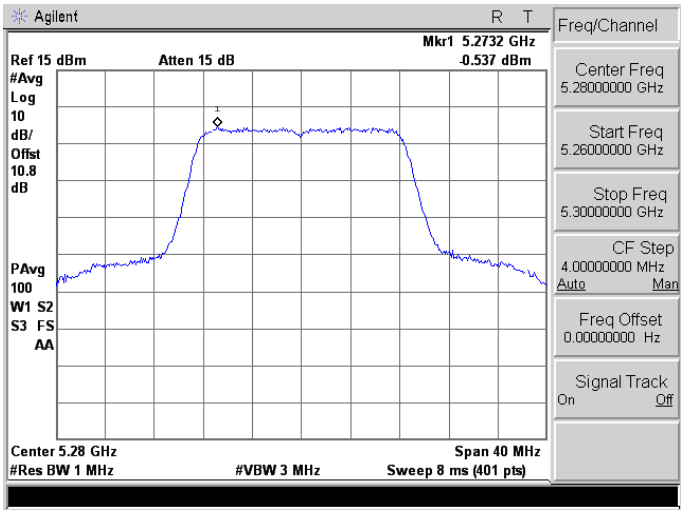
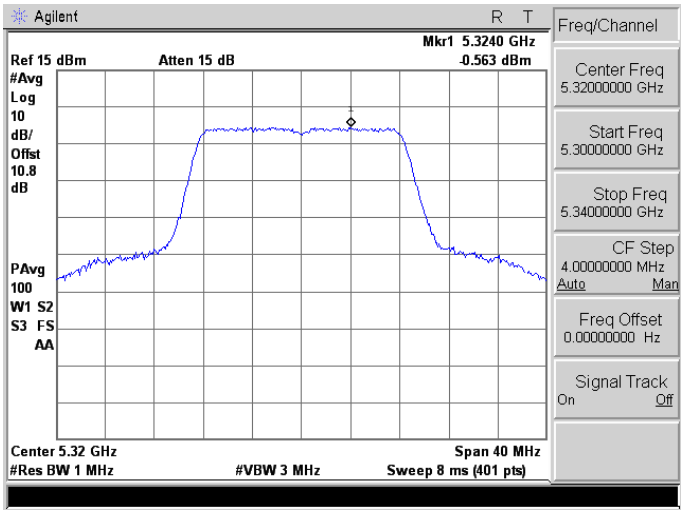
Model Number	CAPRICA2L		
Test Item	Conducted power spectral density		
Test Mode	Mode 4: IEEE 802.11n 40MHz Link Mode		
Date of Test	08/18/2015	Test Site	TE02

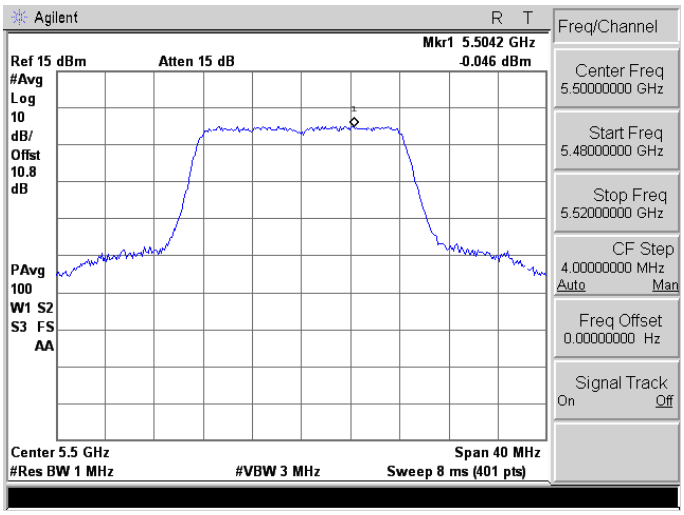
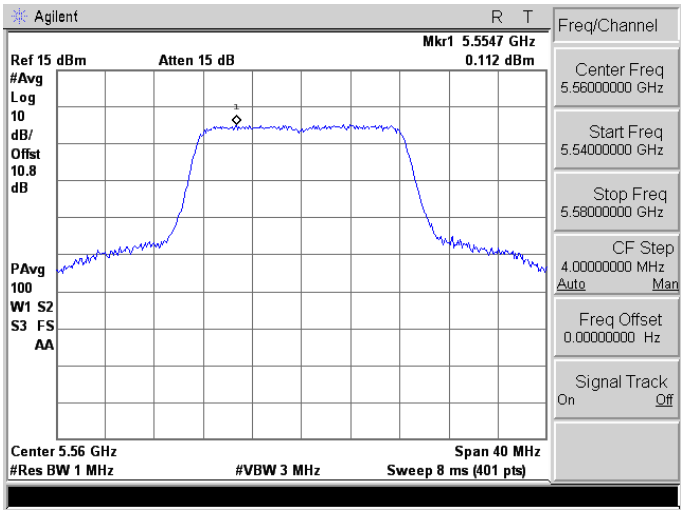
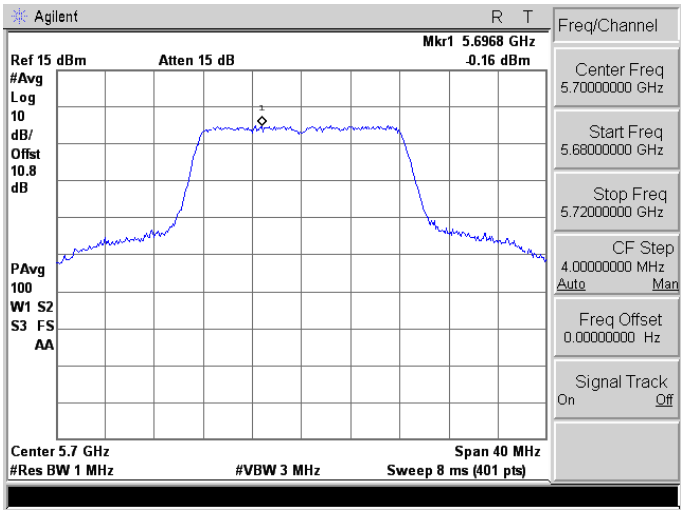
Frequency (MHz)	Measurement (dBm/MHz)	FCC Limit (dBm/MHz)
5190	-6.786	< 11
5230	-6.856	
5270	-6.310	< 11
5310	-6.144	
5510	-5.147	< 11
5550	-5.251	
5670	-5.677	

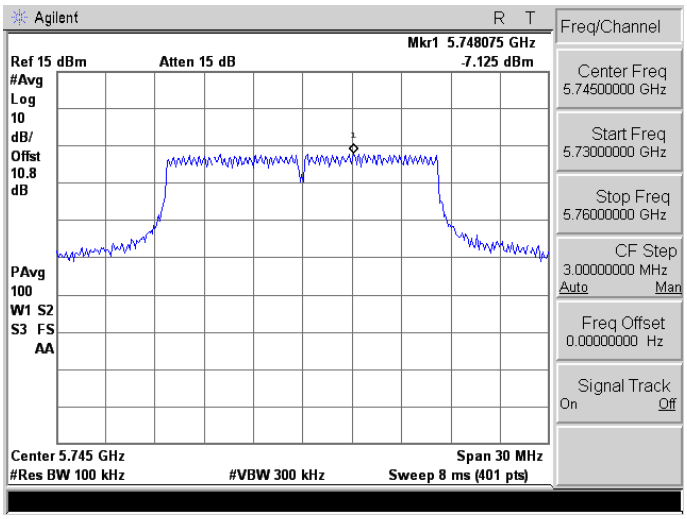
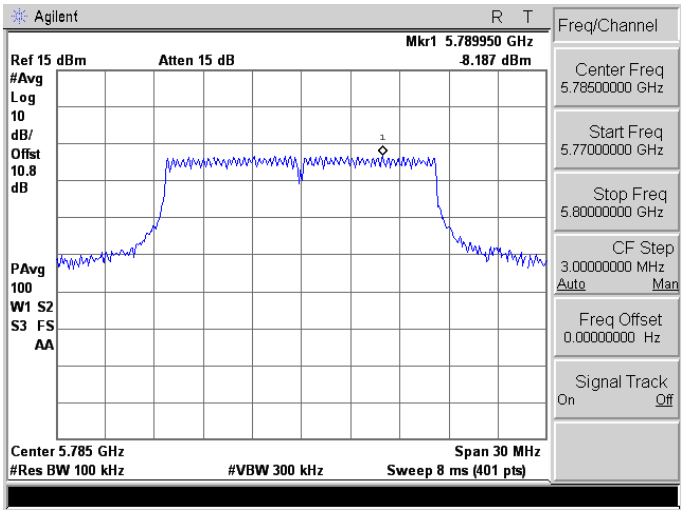
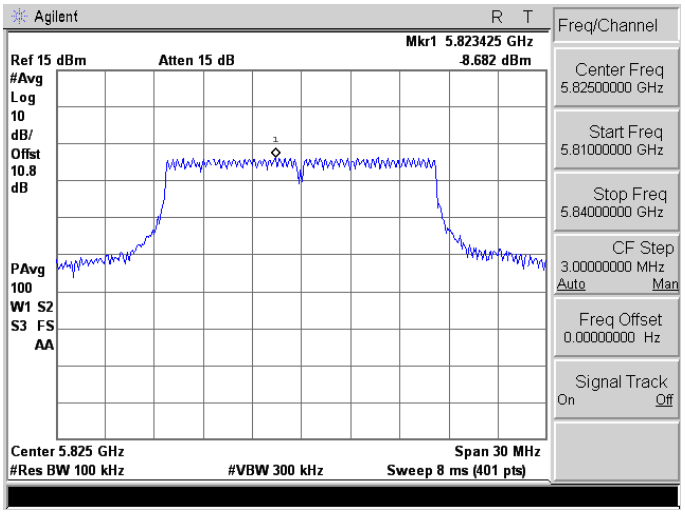
Frequency (MHz)	Measurement (dBm/100KHz)	Measurement (dBm/500KHz)	FCC Limit (dBm/500KHz)
5755	-12.63	-5.64	< 30
5795	-14.04	-7.05	

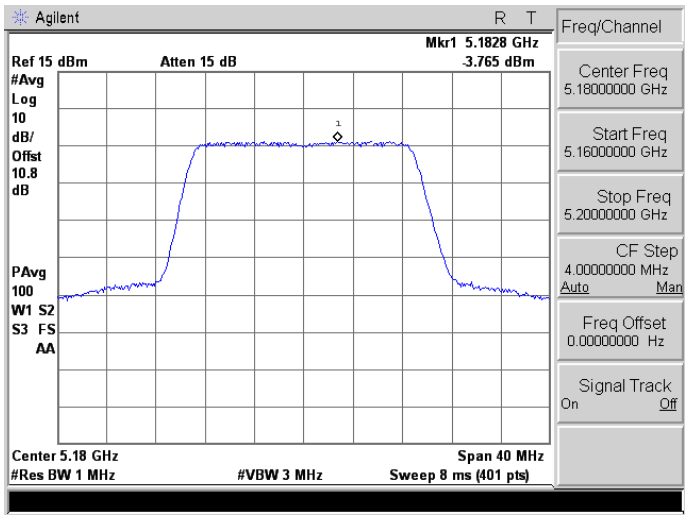
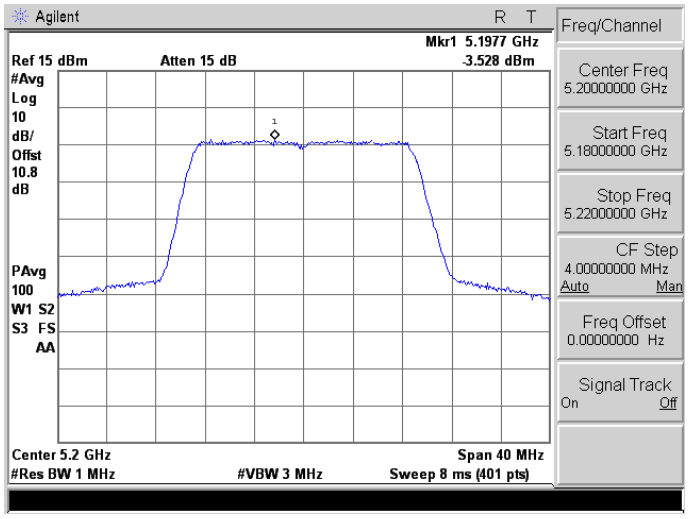
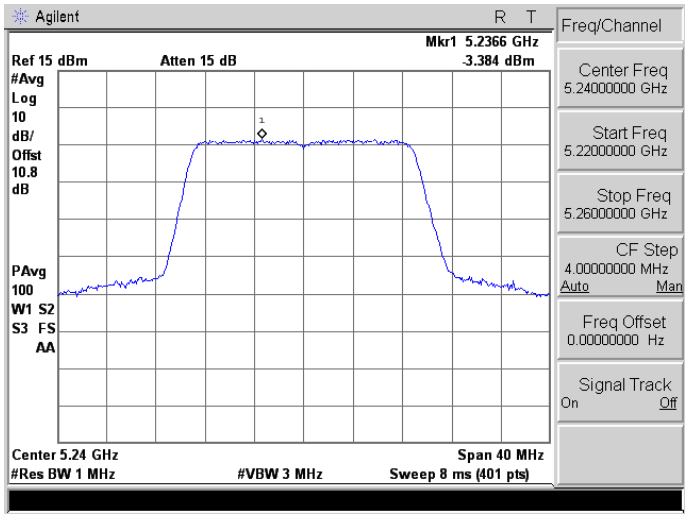
9.6. Test Graphs

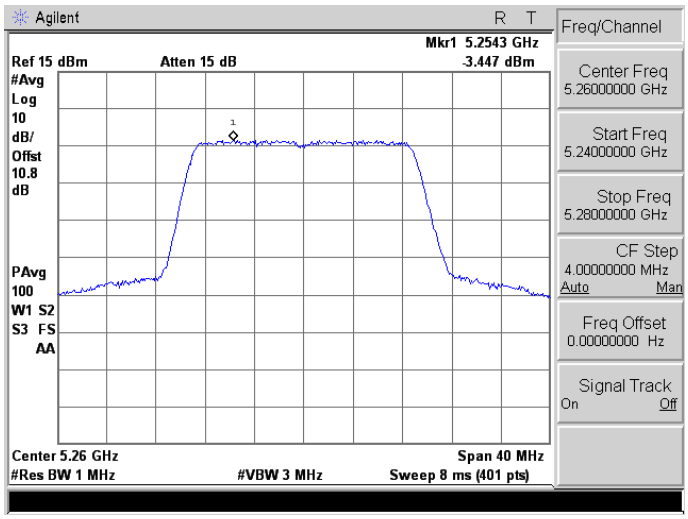
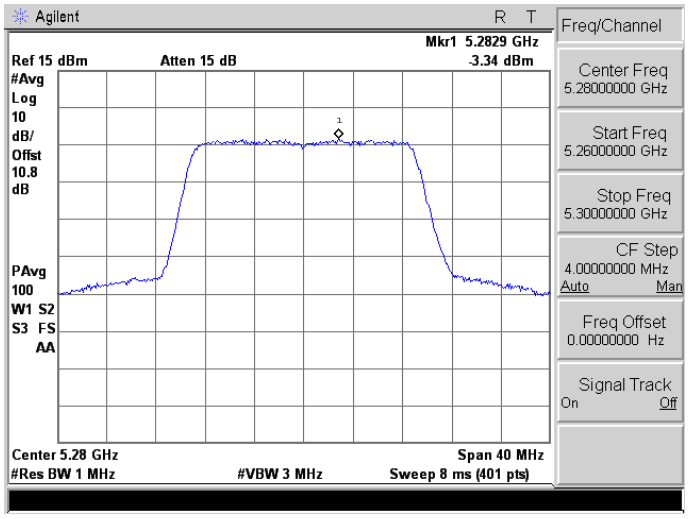
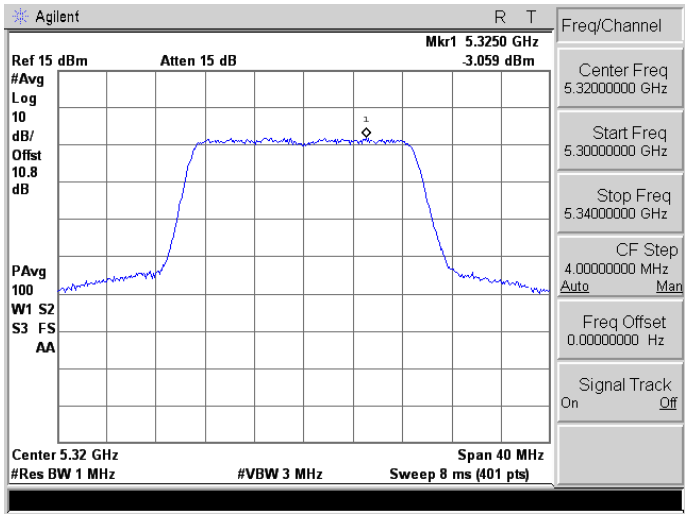
Mode 2: IEEE 802.11a Link Mode	
5180	
5200	
5240	

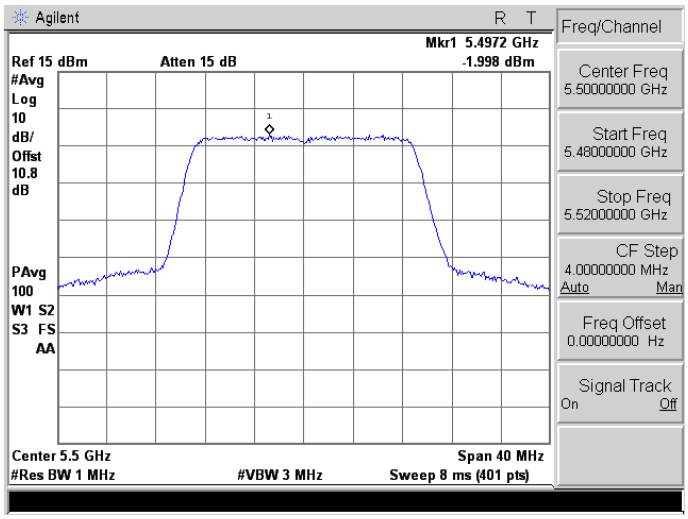
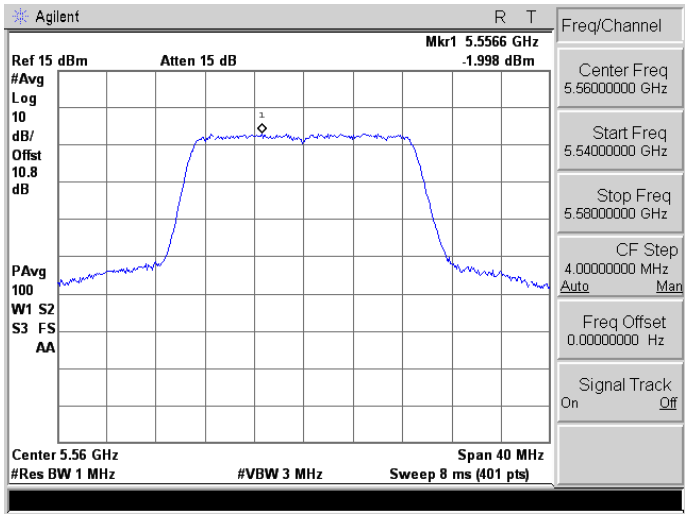
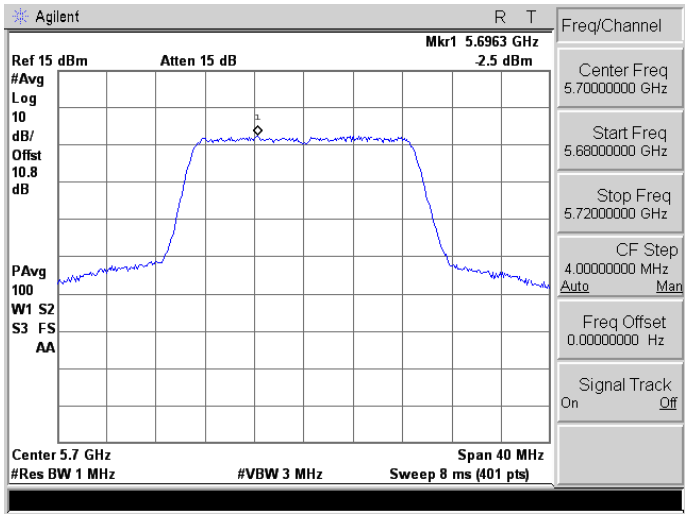
Mode 2: IEEE 802.11a Link Mode	
5260	
5280	
5320	

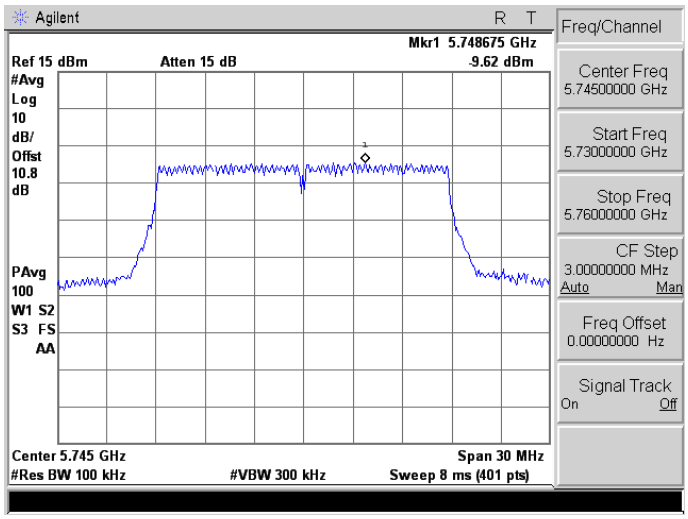
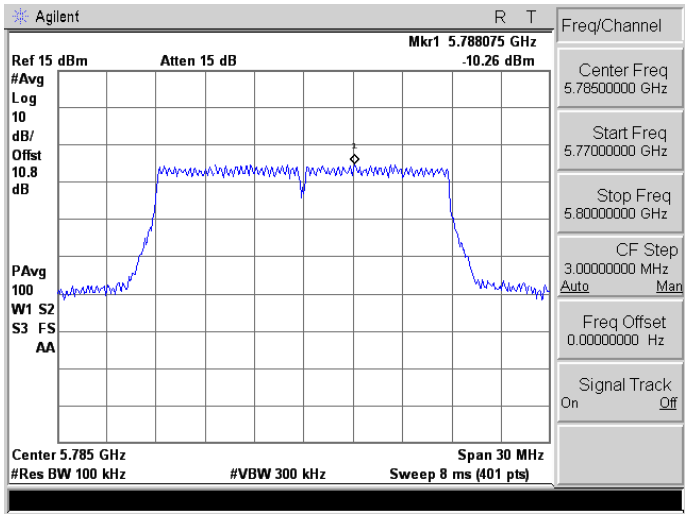
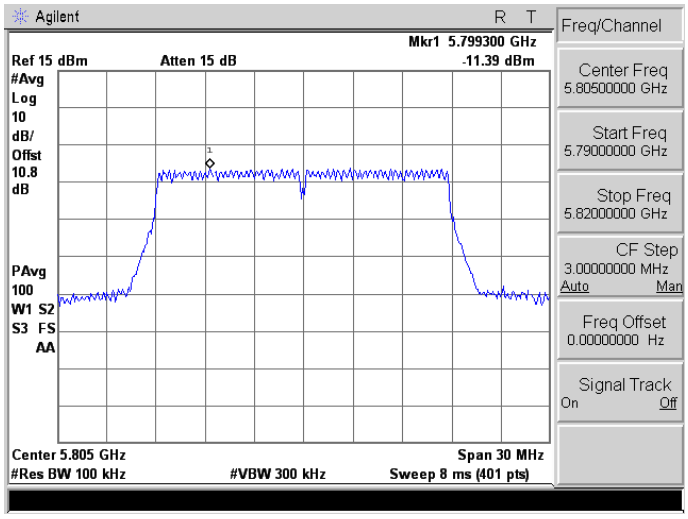
Mode 2: IEEE 802.11a Link Mode	
5500	
5560	
5700	

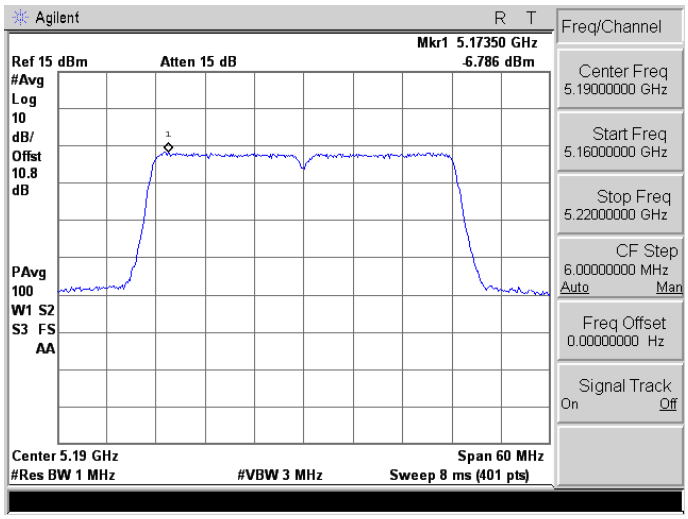
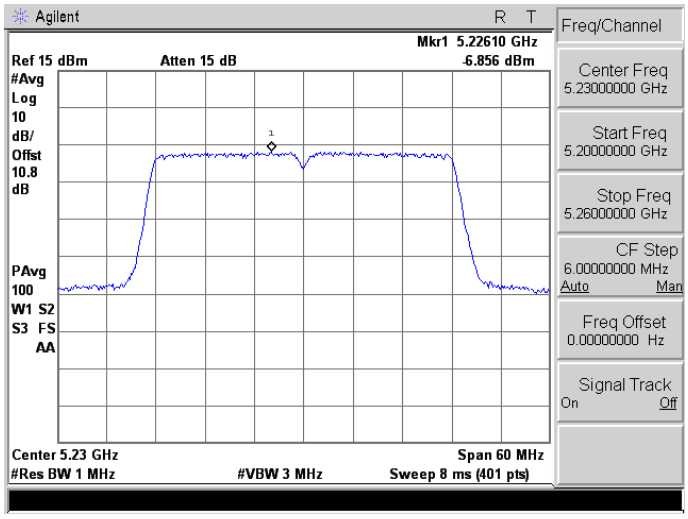
Mode 2: IEEE 802.11a Link Mode	
5745	
5785	
5825	

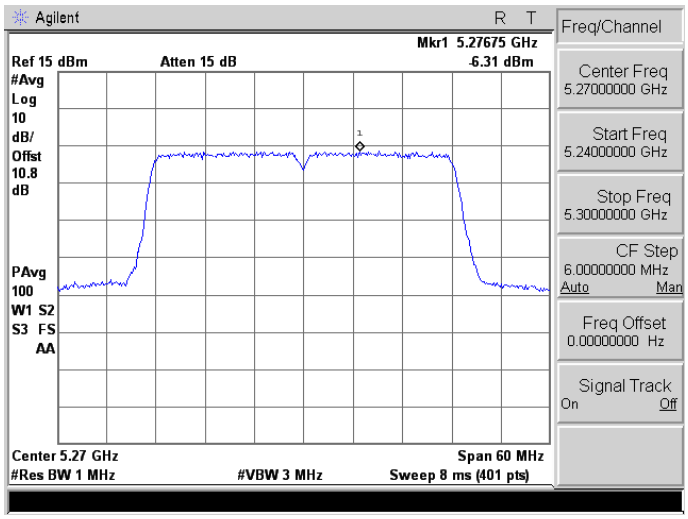
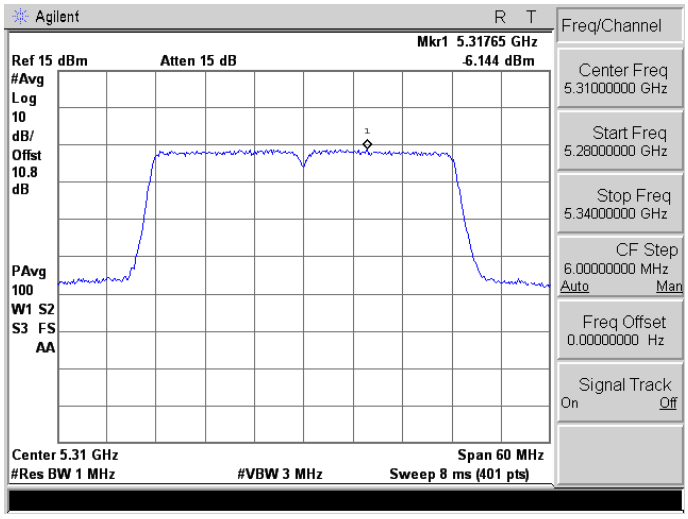
Mode 3: IEEE 802.11n 20MHz Link Mode	
5180	
5200	
5240	

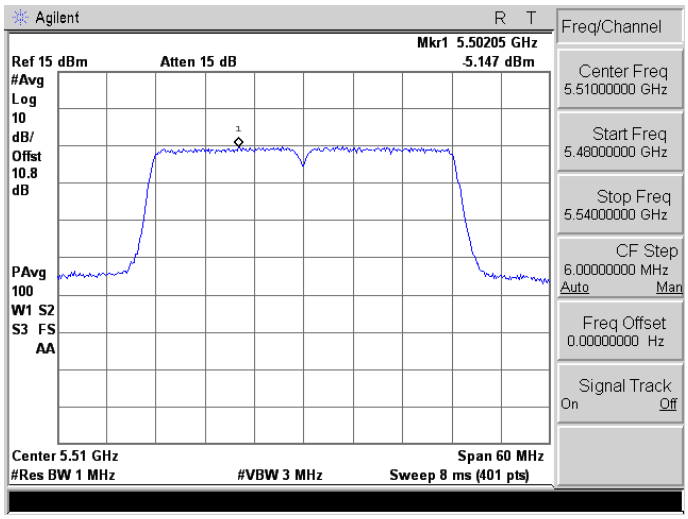
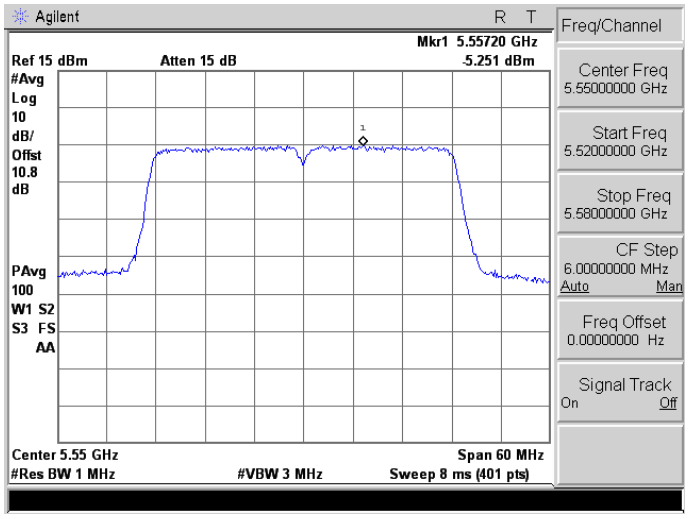
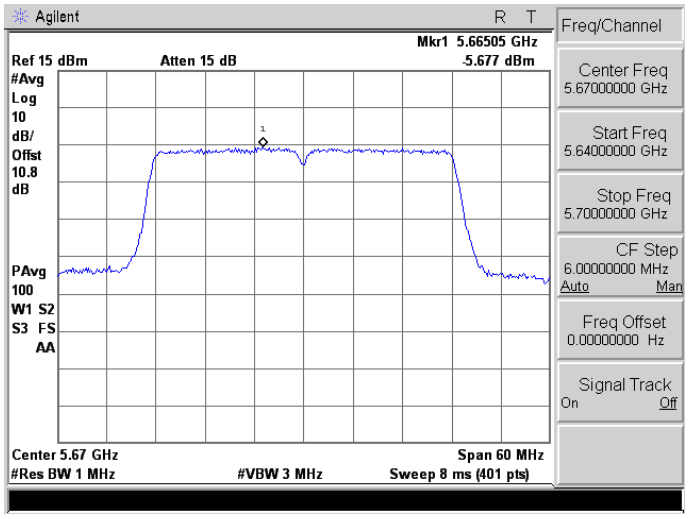
Mode 3: IEEE 802.11n 20MHz Link Mode	
5260	
5280	
5320	

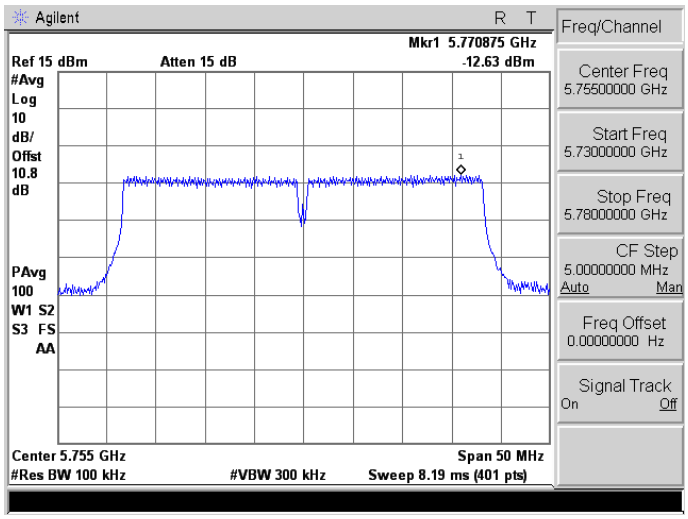
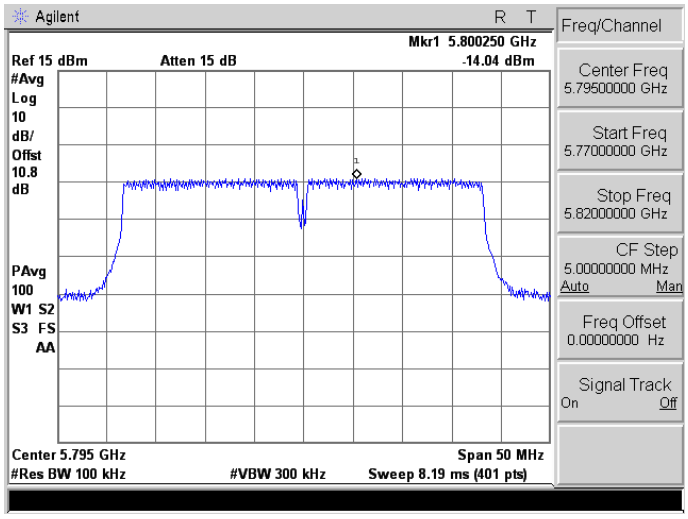
Mode 3: IEEE 802.11n 20MHz Link Mode	
5500	
5560	
5700	

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	

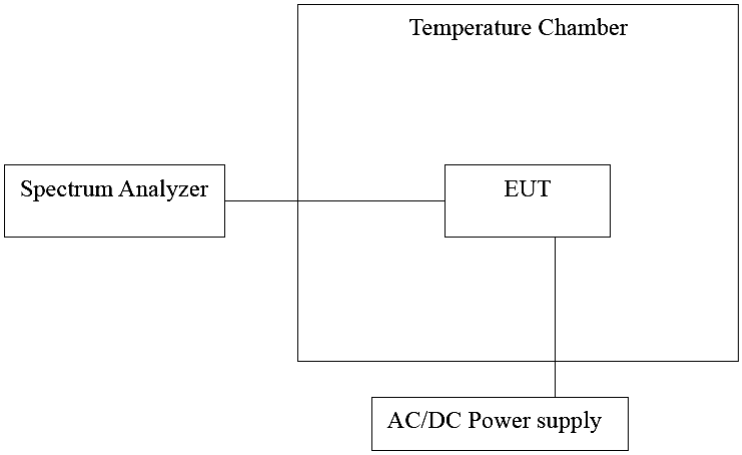
Mode 4: IEEE 802.11n 40MHz Link Mode	
5755	
5795	

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	07/27/2015	(1)
Temperature & Humidity Chamber	TAICHY	MHU-225LA	980729	04/27/2015	(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	CAPRICA2L				
Test Mode	Mode 2				
Frequency	5200 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
0	120	5199.9696	-30400	-5.846	Pass
10		5199.9916	-8400	-1.615	Pass
20		5199.9850	-15000	-2.885	Pass
30		5199.9733	-26700	-5.135	Pass
40		5199.9840	-16000	-3.077	Pass
50		5199.9884	-11600	-2.231	Pass
60		5200.0068	6800	1.308	Pass
70		5200.0233	23300	4.481	Pass

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

Model Number	CAPRICA2L				
Test Mode	Mode 2				
Frequency	5280 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
0	120	5279.9581	-41950	-7.945	Pass
10		5279.9649	-35150	-6.657	Pass
20		5279.9828	-17250	-3.267	Pass
30		5279.9651	-34950	-6.619	Pass
40		5279.9773	-22750	-4.309	Pass
50		5279.9926	-7450	-1.411	Pass
60		5280.0044	4350	0.824	Pass
70		5280.0135	13450	2.547	Pass

Model Number	CAPRICA2L				
Test Mode	Mode 2				
Frequency	5560 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
0	120	5559.9484	-51600	-9.281	Pass
10		5559.9670	-33000	-5.935	Pass
20		5559.9835	-16500	-2.968	Pass
30		5559.9700	-30000	-5.396	Pass
40		5559.9757	-24300	-4.371	Pass
50		5559.9956	-4400	-0.791	Pass
60		5560.0144	14400	2.590	Pass
70		5560.0130	13000	2.338	Pass

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

Model Number	CAPRICA2L				
Test Mode	Mode 2				
Frequency	5785 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
0	120	5784.9598	-40250	-6.958	Pass
10		5784.9765	-23550	-4.071	Pass
20		5784.9918	-8250	-1.426	Pass
30		5784.9817	-18350	-3.172	Pass
40		5784.9952	-4850	-0.838	Pass
50		5785.0109	10850	1.876	Pass
60		5785.0209	20850	3.604	Pass
70		5785.0248	24750	4.278	Pass

Model Number	CAPRICA2L				
Test Mode	Mode 3				
Frequency	5200 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
0	120	5199.9577	-42350	-8.144	Pass
10		5199.9533	-46750	-8.990	Pass
20		5199.9828	-17250	-3.317	Pass
30		5199.9780	-22050	-4.240	Pass
40		5199.9735	-26550	-5.106	Pass
50		5199.9982	-1850	-0.356	Pass
60		5200.0153	15250	2.933	Pass
70		5200.0265	26450	5.087	Pass

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

Model Number	CAPRICA2L				
Test Mode	Mode 3				
Frequency	5280 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
0	120	5279.9514	-48600	-9.205	Pass
10		5279.9675	-32500	-6.155	Pass
20		5279.9820	-18000	-3.409	Pass
30		5279.9777	-22300	-4.223	Pass
40		5279.9741	-25900	-4.905	Pass
50		5279.9972	-2800	-0.530	Pass
60		5280.0190	19000	3.598	Pass
70		5280.0237	23700	4.489	Pass

Model Number	CAPRICA2L				
Test Mode	Mode 3				
Frequency	5560 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
0	120	5559.9626	-37450	-6.736	Pass
10		5559.9868	-13250	-2.383	Pass
20		5559.9813	-18750	-3.372	Pass
30		5559.9702	-29850	-5.369	Pass
40		5559.9875	-12550	-2.257	Pass
50		5559.9840	-16050	-2.887	Pass
60		5560.0133	13250	2.383	Pass
70		5560.0174	17350	3.121	Pass

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

Model Number	CAPRICA2L				
Test Mode	Mode 3				
Frequency	5785 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
0	120	5784.9582	-41800	-7.226	Pass
10		5784.9538	-46200	-7.986	Pass
20		5784.9805	-19500	-3.371	Pass
30		5784.9654	-34600	-5.981	Pass
40		5784.9859	-14100	-2.437	Pass
50		5784.9913	-8700	-1.504	Pass
60		5785.0085	8500	1.469	Pass
70		5785.0102	10200	1.763	Pass

Model Number	CAPRICA2L				
Test Mode	Mode 4				
Frequency	5230 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
0	120	5229.9504	-49600	-9.484	Pass
10		5229.9589	-41100	-7.859	Pass
20		5229.9865	-13500	-2.581	Pass
30		5229.9752	-24800	-4.742	Pass
40		5229.9725	-27500	-5.258	Pass
50		5229.9895	-10500	-2.008	Pass
60		5230.0023	2300	0.440	Pass
70		5230.0162	16200	3.098	Pass

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

Model Number	CAPRICA2L				
Test Mode	Mode 4				
Frequency	5310 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
0	120	5309.9657	-34350	-6.469	Pass
10		5309.9699	-30150	-5.678	Pass
20		5309.9873	-12750	-2.401	Pass
30		5309.9600	-40050	-7.542	Pass
40		5309.9844	-15650	-2.947	Pass
50		5309.9889	-11150	-2.100	Pass
60		5309.9899	-10150	-1.911	Pass
70		5310.0173	17250	3.249	Pass

Model Number	CAPRICA2L				
Test Mode	Mode 4				
Frequency	5550 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
0	120	5549.9681	-31950	-5.757	Pass
10		5549.9805	-19550	-3.523	Pass
20		5549.9828	-17250	-3.108	Pass
30		5549.9606	-39450	-7.108	Pass
40		5549.9630	-37050	-6.676	Pass
50		5549.9693	-30750	-5.541	Pass
60		5549.9849	-15150	-2.730	Pass
70		5550.0046	4550	0.820	Pass

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

Model Number	CAPRICA2L				
Test Mode	Mode 4				
Frequency	5795 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
0	120	5794.9535	-46550	-8.033	Pass
10		5794.9764	-23650	-4.081	Pass
20		5794.9813	-18750	-3.236	Pass
30		5794.9666	-33450	-5.772	Pass
40		5794.9752	-24850	-4.288	Pass
50		5794.9793	-20750	-3.581	Pass
60		5794.9940	-6050	-1.044	Pass
70		5795.0189	18850	3.253	Pass

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

Voltage Variations

Model Number	CAPRICA2L				
Test Mode	Mode 2				
Frequency	5200 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5199.9650	-35000	-6.731	Pass
	120.00	5199.9722	-27800	-5.346	Pass
	102.00	5199.9771	-22900	-4.404	Pass

Model Number	CAPRICA2L				
Test Mode	Mode 2				
Frequency	5280 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5279.9528	-47250	-8.949	Pass
	120.00	5279.9653	-34750	-6.581	Pass
	102.00	5279.9716	-28450	-5.388	Pass

Model Number	CAPRICA2L				
Test Mode	Mode 2				
Frequency	5560 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5559.9708	-29200	-5.252	Pass
	120.00	5559.9835	-16500	-2.968	Pass
	102.00	5559.9943	-5700	-1.025	Pass

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

Model Number	CAPRICA2L				
Test Mode	Mode 2				
Frequency	5785 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5784.9803	-19750	-3.414	Pass
	120.00	5784.9860	-14050	-2.429	Pass
	102.00	5784.9891	-10950	-1.893	Pass

Model Number	CAPRICA2L				
Test Mode	Mode 3				
Frequency	5200 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5199.9663	-33750	-6.490	Pass
	120.00	5199.9789	-21150	-4.067	Pass
	102.00	5199.9855	-14550	-2.798	Pass

Model Number	CAPRICA2L				
Test Mode	Mode 3				
Frequency	5280 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5279.9550	-45000	-8.523	Pass
	120.00	5279.9684	-31600	-5.985	Pass
	102.00	5279.9673	-32700	-6.193	Pass

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

Model Number	CAPRICA2L				
Test Mode	Mode 3				
Frequency	5560 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5559.9492	-50850	-9.146	Pass
	120.00	5559.9514	-48650	-8.750	Pass
	102.00	5559.9730	-27050	-4.865	Pass

Model Number	CAPRICA2L				
Test Mode	Mode 3				
Frequency	5785 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5784.9895	-10500	-1.815	Pass
	120.00	5784.9852	-14800	-2.558	Pass
	102.00	5785.0124	12400	2.143	Pass

Model Number	CAPRICA2L				
Test Mode	Mode 4				
Frequency	5230 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5229.9629	-37100	-7.094	Pass
	120.00	5229.9665	-33500	-6.405	Pass
	102.00	5229.9695	-30500	-5.832	Pass

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

Model Number	CAPRICA2L				
Test Mode	Mode 4				
Frequency	5310 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5309.98045	-19550	-3.682	Pass
	120.00	5310.00645	6450	1.215	Pass
	102.00	5310.01085	10850	2.043	Pass

Model Number	CAPRICA2L				
Test Mode	Mode 4				
Frequency	5550 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5549.95315	-46850	-8.441	Pass
	120.00	5549.95845	-41550	-7.486	Pass
	102.00	5549.98085	-19150	-3.450	Pass

Model Number	CAPRICA2L				
Test Mode	Mode 4				
Frequency	5795 MHz				
Date of Test	08/18/2015			Test Site	TE02
Temp. (°C)	Voltage (VAC)	Measured Frequency (MHz)	Delta Frequency (Hz)	Tolerance (ppm)	Result (Pass/Fail)
20	138.00	5794.9752	-24850	-4.288	Pass
	120.00	5794.9872	-12850	-2.217	Pass
	102.00	5795.0014	1350	0.233	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 is listed below.

Antenna Port	Model Number	Type	Max. Gain
ANT-0	PS1 Antenna B	PIFA Antenna	U-NII Band I: 2.84 dBi U-NII Band II-A: 2.90 dBi U-NII Band II-C: 4.95 dBi U-NII Band III: 5.48 dBi
ANT-1	PR1 Antenna A	PIFA Antenna	U-NII Band I: 2.01 dBi U-NII Band II-A: 3.00 dBi U-NII Band II-C: 3.15 dBi U-NII Band III: 4.03 dBi