

MRT Technology (Suzhou) Co., Ltd Phone: +86-512-66308358 Web: www.mrt-cert.com Report No.: 1905WSU016-U1 Report Version: V02 Issue Date: 08-21-2019

MEASUREMENT REPORT

FCC PART 15 Subpart C Bluetooth-LE

FCC ID: 2AL4GAXENT-ONE

APPLICANT: AXENT Corporation Ltd.

Application Type: Certification

Product: AXENT ONE PLUS

Model No.: E310-E2

Brand Name: AXENT

FCC Classification: Digital Transmission System (DTS)

FCC Rule Part(s): Part15 Subpart C (Section 15.247)

Test Procedure(s): ANSI C63.10-2013, KDB 558074 D01v05r02

Test Date: May 31 ~ June 04, 2019

Reviewed By:

Approved By:

Kevin Guo)

(Robin Wu

Iac-MRA



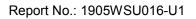
Page Number: 1 of 52

The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10-2013. Test results reported herein relate only to the item(s) tested.

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FCC ID: 2AL4GAXENT-ONE





Revision History

Report No.	Version	Description	Issue Date	Note
1905WSU016-U1	Rev. 01	Initial Report	07-23-2019	Invalid
1905WSU016-U1	Rev. 02	Change Model name 08-21-2019		Valid



CONTENTS

De	scriptio	on	Page
§2.	1033 G	General Information	5
1.	INTR	ODUCTION	6
	1.1.	Scope	6
	1.2.	MRT Test Location	6
2.	PROI	DUCT INFORMATION	7
	2.1.	Feature of Equipment under Test	7
	2.2.	Product Specification Subjective to this Report	
	2.3.	Working Frequencies for this Report	
	2.4.	Test Mode	8
	2.5.	Device Capabilities	9
	2.6.	Test Configuration	9
	2.7.	EMI Suppression Device(s)/Modifications	10
	2.8.	Description of Test Software	10
	2.9.	Labeling Requirements	10
3.	DESC	CRIPTION OF TEST	11
	3.1.	Evaluation Procedure	11
	3.2.	AC Line Conducted Emissions	11
	3.3.	Radiated Emissions	12
4.	ANTE	ENNA REQUIREMENTS	13
5.	TEST	Γ EQUIPMENT CALIBRATION DATE	14
6.	MEAS	SUREMENT UNCERTAINTY	16
7.	TEST	Γ RESULT	17
	7.1.	Summary	17
	7.2.	6dB Bandwidth Measurement	18
	7.2.1.	Test Limit	18
	7.2.2.	Test Procedure used	18
	7.2.3.	Test Setting	18
	7.2.4.	Test Setup	18
	7.2.5.	Test Result	19
	7.3.	Output Power Measurement	20
	7.3.1.	Test Limit	20
	7.3.2.	Test Procedure Used	20
	7.3.3.	Test Setting	20





	7.3.4.	Test Setup	20
	7.3.5.	Test Result	21
	7.4.	Power Spectral Density Measurement	22
	7.4.1.	Test Limit	22
	7.4.2.	Test Procedure Used	22
	7.4.3.	Test Setting	22
	7.4.4.	Test Setup	22
	7.4.5.	Test Result	23
	7.5.	Conducted Band Edge and Out-of-Band Emissions	24
	7.5.1.	Test Limit	24
	7.5.2.	Test Procedure Used	24
	7.5.3.	Test Settitng	24
	7.5.4.	Test Setup	25
	7.5.5.	Test Result	26
	7.6.	Radiated Spurious Emission Measurement	28
	7.6.1.	Test Limit	28
	7.6.2.	Test Procedure Used	28
	7.6.3.	Test Setting	28
	7.6.4.	Test Setup	30
	7.6.5.	Test Result	31
	7.7.	Radiated Restricted Band Edge Measurement	36
	7.7.1.	Test Limit	36
	7.7.2.	Test Procedure Used	37
	7.7.3.	Test Setting	37
	7.7.4.	Test Setup	38
	7.7.5.	Test Result	39
	7.8.	AC Conducted Emissions Measurement	47
	7.8.1.	Test Limit	47
	7.8.2.	Test Setup	47
	7.8.3.	Test Result	48
8.	CONC	CLUSION	50
App	oendix A	A - Test Setup Photograph	51
App	oendix	B - EUT Photograph	52



§2.1033 General Information

Applicant:	AXENT Corporation Ltd.			
Applicant Address:	3 Musick Irvine, CA 92618, United States			
Manufacturer:	AXENT Corporation Ltd.			
Manufacturer Address:	3 Musick Irvine, CA 92618, United States			
Test Site:	MRT Technology (Suzhou) Co., Ltd			
Test Site Address:	D8 Building, No.2 Tian'edang Rd., Wuzhong Economic			
	Development Zone, Suzhou, China			
Test Device Serial No.:	N/A ☐ Production ☐ Pre-Production ☐ Engineering			

Test Facility / Accreditations

Measurements were performed at MRT Laboratory located in Tian'edang Rd., Suzhou, China.

- MRT facility is a FCC registered (MRT Reg. No. 893164) test facility with the site description report on file and has met all the requirements specified in ANSI C63.4-2014.
- MRT facility is an IC registered (MRT Reg. No. 11384A-1) test laboratory with the site description on file at Industry Canada.
- MRT facility is a VCCI registered (R-20025, G-20034, C-20020, T-20020) test laboratory with the site description on file at VCCI Council.
- MRT Lab is accredited to ISO 17025 by the American Association for Laboratory Accreditation (A2LA) under the American Association for Laboratory Accreditation Program (A2LA Cert. No. 3628.01) in EMC, Telecommunications, Radio and SAR testing.





1. INTRODUCTION

1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Industry Canada Certification and Engineering Bureau.

1.2. MRT Test Location

The map below shows the location of the MRT LABORATORY, its proximity to the Taihu Lake. These measurement tests were conducted at the MRT Technology (Suzhou) Co., Ltd. Facility located at D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China. The measurement facility compliant with the test site requirements specified in ANSI C63.4-2014.





2. PRODUCT INFORMATION

2.1. Feature of Equipment under Test

Product Name:	AXENT ONE PLUS
Model No.:	E310-E2
Brand Name:	AXENT
Bluetooth Specification:	BLE

2.2. Product Specification Subjective to this Report

Bluetooth Frequency:	2402~2480MHz
Type of modulation:	GFSK
Data Rate:	1Mbps
Antenna Type:	PCB Antenna
Antenna Gain:	2.5dBi

Note: For other features of this EUT, test report will be issued separately.

FCC ID: 2AL4GAXENT-ONE Page Number: 7 of 52



2.3. Working Frequencies for this Report

Channel	Frequency	Channel	Frequency	Channel	Frequency
00	2402 MHz	01	2404 MHz	02	2406 MHz
03	2408 MHz	04	2410 MHz	05	2412 MHz
06	2414 MHz	07	2416 MHz	08	2418 MHz
09	2420 MHz	10	2422 MHz	11	2424 MHz
12	2426 MHz	13	2428 MHz	14	2430 MHz
15	2432 MHz	16	2434 MHz	17	2436 MHz
18	2438 MHz	19	2440 MHz	20	2442 MHz
21	2444 MHz	22	2446 MHz	23	2448 MHz
24	2450 MHz	25	2452 MHz	26	2454 MHz
27	2456 MHz	28	2458 MHz	29	2460 MHz
30	2462 MHz	31	2464 MHz	32	2466 MHz
33	2468 MHz	34	2470 MHz	35	2472 MHz
36	2474 MHz	37	2476 MHz	38	2478 MHz
39	2480 MHz				

2.4. Test Mode

Test Mode	Mode 1: Transmit by BLE
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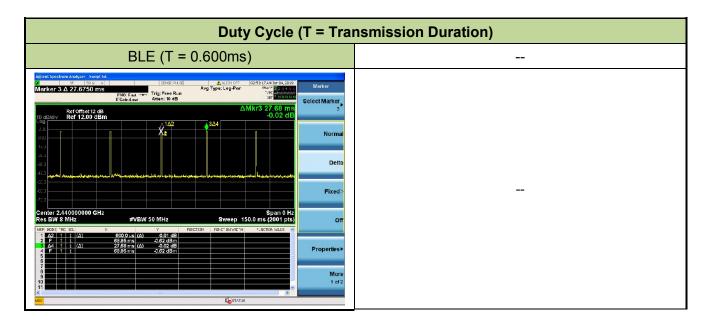
2.5. Device Capabilities

This device contains the following capabilities:

Bluetooth-LE

Note: The maximum achievable duty cycles was determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW = 8MHz, VBW = 50MHz. The RBW and VBW were both greater than 50/T, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles are as follows:

Test Mode	Duty Cycle
BLE	2.17%



2.6. Test Configuration

The **AXENT.ONE PLUS** was tested per the guidance of ANSI C63.10-2013. ANSI C63.10-2013 was used to reference the appropriate EUT setup for radiated spurious emissions testing and AC line conducted testing.



2.7. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

2.8. Description of Test Software

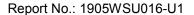
The test utility software used during testing was "EK8107M-G1", and the version was 2016.08.26.

2.9. Labeling Requirements

Per 2.1074 & 15.19; Docket 95-19

The label shall be permanently affixed at a conspicuous location on the device; instruction manual or pamphlet supplied to the user and be readily visible to the purchaser at the time of purchase. However, when the device is so small wherein placement of the label with specified statement is not practical, only the FCC ID must be displayed on the device per Section 15.19(a)(5). Please see attachment for FCC ID label and label location.

FCC ID: 2AL4GAXENT-ONE Page Number: 10 of 52





3. DESCRIPTION OF TEST

3.1. Evaluation Procedure

The measurement procedures described in the American National Standard for Testing Unlicensed Wireless Devices (ANSI C63.10-2013), and the guidance was used in the measurement of the device.

Deviation from measurement procedure......None

3.2. AC Line Conducted Emissions

The line-conducted facility is located inside an 8'x4'x4' shielded enclosure. A 1m x 2m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, $50\Omega/50$ uH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.

The EUT is powered from one LISN and the support equipment is powered from the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference ground-plane. Power cables for support equipment were routed down to the second LISN while ensuring that that cables were not draped over the second LISN.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the receiver and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The receiver was scanned from 150kHz to 30MHz. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 9kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Each emission was also maximized by varying: power lines, the mode of operation or data exchange speed, or support equipment whichever determined the worst-case emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions were used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.

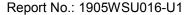
An extension cord was used to connect to a single LISN which powered by EUT. The extension cord was calibrated with LISN, the impedance and insertion loss are compliance with the requirements as stated in ANSI C63.10-2013.



3.3. Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. For measurements above 1GHz absorbers are arranged on the floor between the turn table and the Antenna mast in such a way so as to maximize the reduction of reflections. For measurements below 1GHz, the absorbers are removed. A MF Model 210SS turntable is used for radiated measurement. It is a continuously rotatable, remote controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An 80cm high PVC support structure is placed on top of the turntable. For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive Antenna height using a broadband Antenna from 30MHz up to the upper frequency shown in 15.33(b)(1) depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn Antennas were used. For frequencies below 30MHz, a calibrated loop Antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband Antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up for frequencies below 1GHz was placed on top of the 0.8 meter high, 1 x 1.5 meter table; and test set-up for frequencies 1-40GHz was placed on top of the 1.5 meter high, 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, clock speed, mode of operation or video resolution, if applicable, turntable azimuth, and receive Antenna height was noted for each frequency found.

Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn Antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive Antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive Antenna, whichever produced the worst-case emissions. According to 3dB Beam-Width of horn Antenna, the horn Antenna should be always directed to the EUT when rising height.





4. ANTENNA REQUIREMENTS

Excerpt from §15.203 of the FCC Rules/Regulations:

"An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section."

- The antenna of the AXENT.ONE PLUS is **permanently attached.**
- There are no provisions for connection to an external antenna.

Conclusion:

The unit complies with the requirement of §15.203.



5. TEST EQUIPMENT CALIBRATION DATE

Conducted Emissions - SR2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR3	MRTSUE06185	1 year	2020/04/15
Two-Line V-Network	R&S	ENV 216	MRTSUE06002	1 year	2019/06/14
Two-Line V-Network	R&S	ENV 216	MRTSUE06003	1 year	2019/06/14
Thermohygrometer	Testo	608-H1	MRTSUE06404	1 year	2019/08/14
Shielding Chamber	MIX-BEP	Chamber-SR2	MRTSUE06214	N/A	N/A

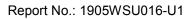
Radiated Emissions - AC1

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2019/08/13
PXA Signal Analyzer	Keysight	9030B	MRTSUE06395	1 year	2019/09/25
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2019/11/09
Bilog Period Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	1 year	2020/03/31
Broad Band Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06023	1 year	2019/10/19
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06024	1 year	2019/12/17
Microwave System Amplifier	Agilent	83017A	MRTSUE06076	1 year	2019/11/16
Preamplifier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2019/06/12
Thermohygrometer	Testo	608-H1	MRTSUE06403	1 year	2019/08/14
Anechoic Chamber	TDK	Chamber-AC1	MRTSUE06213	1 year	2020/04/30

Radiated Emission - AC2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Spectrum Analyzer	Keysight	N9038A	MRTSUE06125	1 year	2019/08/13
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2019/11/09
Bilog Period Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2019/10/19
Horn Antenna	Schwarzbeck	BBHA9120D	MRTSUE06171	1 year	2019/11/09
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06024	1 year	2019/12/17
Broadband Coaxial Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2019/11/16
Preamplifier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2019/06/12
Temperature/Humidity Meter	Minggao	ETH529	MRTSUE06170	1 year	2019/12/13
Anechoic Chamber	RIKEN	Chamber-AC2	MRTSUE06213	1 year	2020/04/30

FCC ID: 2AL4GAXENT-ONE Page Number: 14 of 52

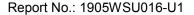




Conducted Test Equipment - TR3

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EXA Signal Analyzer	Agilent	N9020A	MRTSUE06106	1 year	2020/04/15
EXA Signal Analyzer	Keysight	N9010B	MRTSUE06452	1 year	2019/07/19
Signal Analyzer	R&S	FSV40	MRTSUE06218	1 year	2020/04/15
Power Meter	Agilent	U2021XA	MRTSUE06030	1 year	2019/11/16
USB wideband power sensor	Keysight	U2021XA	MRTSUE06446	1 year	2019/07/19
USB wideband power sensor	Keysight	U2021XA	MRTSUE06447	1 year	2019/07/05
Bluetooth Test Set	Anritsu	MT8852B-042	MRTSUE06389	1 year	2019/06/14
Audio Analyzer	Agilent	U8903B	MRTSUE06143	1 year	2019/08/14
Modulation Analyzer	HP	8901A	MRTSUE06098	1 year	2019/10/18
Wideband Radio Communication Tester	R&S	CMW 500	MRTSUE06243	1 year	2019/11/16
DC Power Supply	GWINSTEK	DPS-3303C	MRTSUE06064	N/A	N/A
Temperature & Humidity Chamber	BAOYT	BYH-150CL	MRTSUE06051	1 year	2019/11/16
Thermohygrometer	testo	608-H1	MRTSUE06401	1 year	2019/08/14

Software	Version	Function
EMI Software	V3	EMI Test Software





6. MEASUREMENT UNCERTAINTY

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

AC Conducted Emission Measurement - SR2

Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)):

150kHz~30MHz: 3.46dB

Radiated Emission Measurement - AC1

Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)):

9kHz ~ 1GHz: 4.18dB 1GHz ~ 25GHz: 4.76dB

Radiated Emission Measurement – AC2

Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)):

9kHz ~ 1GHz: 3.86dB 1GHz ~ 25GHz: 4.33dB



7. TEST RESULT

7.1. Summary

FCC Part Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
15.247(a)(2)	6dB Bandwidth	≥ 500kHz		Pass	Section 7.2
15.247(b)(3)	Output Power	≤ 1Watt		Pass	Section 7.3
15.247(e)	Power Spectral Density	≤ 8dBm / 3kHz	Conducted	Pass	Section 7.4
15.247(d)	Band Edge / Out-of-Band Emissions	≥ 20dBc(Peak)		Pass	Section 7.5
15.205 15.209	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	Emissions in restricted bands must meet the radiated limits detailed in 15.209	Radiated	Pass	Section 7.6 & 7.7
15.207	AC Conducted Emissions 150kHz - 30MHz	< FCC 15.207 limits	Line Conducted	Pass	Section 7.8

Notes:

- 1) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
- 2) All modes of operation and data rates were investigated. For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst case emissions.

Report No.: 1905WSU016-U1



7.2. 6dB Bandwidth Measurement

7.2.1.Test Limit

The minimum 6dB bandwidth shall be at least 500 kHz.

7.2.2.Test Procedure used

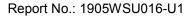
ANSI C63.10-2013 Section 11.8

7.2.3.Test Setting

- The Spectrum's automatic bandwidth measurement capability was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to X = 6. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
- 2. Set RBW = 100 kHz
- 3. VBW ≥ 3 × RBW
- 4. Detector = Peak
- 5. Trace mode = max hold
- 6. Sweep = auto couple
- 7. Allow the trace was allowed to stabilize

7.2.4.Test Setup

Spectrum Analyzer attenuator EUT

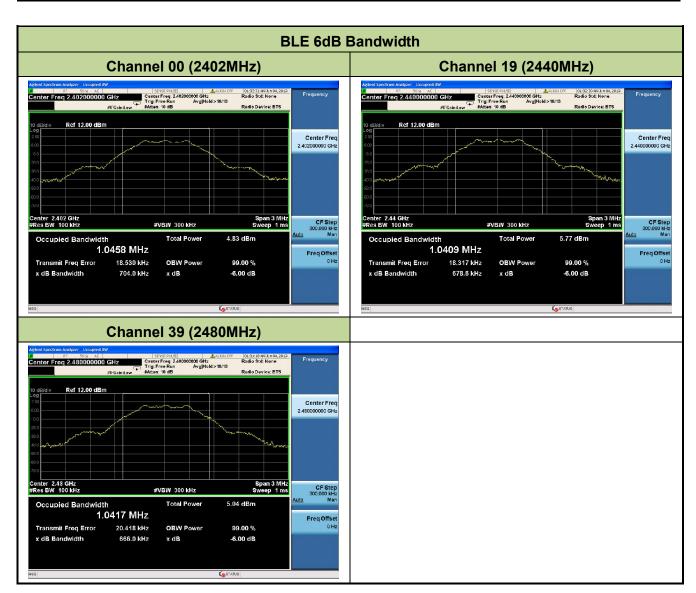




7.2.5.Test Result

Product	AXENT.ONE PLUS	Temperature	25°C
Test Engineer	Ternence Wang	Relative Humidity	56%
Test Site	TR3	Test Date	2019/06/04

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (MHz)	Result
BLE	1	00	2402	0.704	1.046	≥ 0.5	Pass
BLE	1	19	2440	0.679	1.041	≥ 0.5	Pass
BLE	1	39	2480	0.666	1.042	≥ 0.5	Pass





7.3. Output Power Measurement

7.3.1.Test Limit

The maximum out power shall be less 1 Watt (30dBm).

7.3.2.Test Procedure Used

ANSI C63.10 Section 11.9.1.3

ANSI C63.10 Section 11.9.2.3

7.3.3.Test Setting

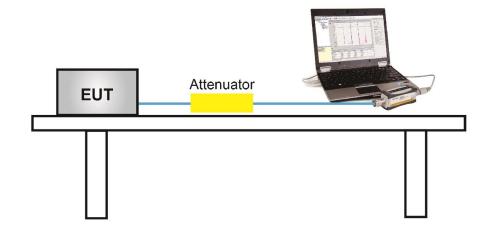
Method PKPM1 (Peak Power Measurement)

Peak power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The pulse sensor employs a VBW = 50MHz so this method was only used for signals whose DTS bandwidth was less than or equal to 50MHz.

Method AVGPM-G (Measurement using a gated RF average-reading power meter)

Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since this measurement is made only during the ON time of the transmitter, no duty cycle correction is required.

7.3.4.Test Setup





7.3.5.Test Result

Product	AXENT.ONE PLUS	Temperature	25°C
Test Engineer	Ternence Wang	Relative Humidity	56%
Test Site	TR3	Test Date	2019/06/04

Test Result of Peak Output Power

Test Mode	Data Rate	Channel No.	Frequency	Peak Power	Limit	Result
	(Mbps)		(MHz)	(dBm)	(dBm)	
BLE	1	00	2402	-1.47	≤ 30.00	Pass
BLE	1	19	2440	-0.68	≤ 30.00	Pass
BLE	1	39	2480	-1.84	≤ 30.00	Pass

Test Result of Average Output Power (Reporting Only)

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	Average Power (dBm)	Limit (dBm)	Result
BLE	1	00	2402	-1.91	≤ 30.00	Pass
BLE	1	19	2440	-1.05	≤ 30.00	Pass
BLE	1	39	2480	-2.27	≤ 30.00	Pass

Report No.: 1905WSU016-U1



7.4. Power Spectral Density Measurement

7.4.1.Test Limit

The maximum permissible power spectral density is 8dBm in any 3 kHz band.

7.4.2.Test Procedure Used

ANSI C63.10 Section 11.10.6

7.4.3.Test Setting

- 1. Analyzer was set to the center frequency of the DTS channel under investigation
- 2. Span = 1.5 times the DTS channel bandwidth
- 3. RBW = 3kHz
- 4. VBW = 10kHz
- 5. Detector = peak
- 6. Sweep time = auto couple
- 7. Trace mode = max hold
- 8. Trace was allowed to stabilize

7.4.4.Test Setup

Spectrum Analyzer attenuator EUT



7.4.5.Test Result

Product	AXENT.ONE PLUS	Temperature	25°C
Test Engineer	Ternence Wang	Relative Humidity	56%
Test Site	TR3	Test Date	2019/06/04

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	PSD Result (dBm / 3kHz)	Limit (dBm / 3kHz)	Result
BLE	1	00	2402	-12.93	≤ 8.00	Pass
BLE	1	19	2440	-11.92	≤ 8.00	Pass
BLE	1	39	2480	-12.67	≤ 8.00	Pass





7.5. Conducted Band Edge and Out-of-Band Emissions

7.5.1.Test Limit

The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100KHz bandwidth per the PSD procedure.

7.5.2.Test Procedure Used

ANSI C63.10 Section 11.11

7.5.3.Test Settitng

Reference level measurement

- 1. Set instrument center frequency to DTS channel center frequency
- 2. Set the span to ≥ 1.5 times the DTS bandwidth
- 3. Set the RBW = 100 kHz
- 4. Set the VBW ≥ 3 x RBW
- 5. Detector = peak
- 6. Sweep time = auto couple
- 7. Trace mode = max hold
- 8. Allow trace to fully stabilize

Emission level measurement

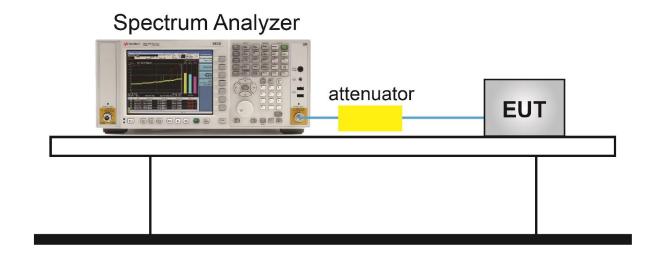
- 1. Set the center frequency and span to encompass frequency range to be measured
- 2. RBW = 1.3MHz
- 3. VBW = 4MHz
- 4. Detector = Peak
- 5. Trace mode = max hold
- 6. Sweep time = auto couple
- 7. The trace was allowed to stabilize



Test Notes

- 1. RBW was set to 1.3MHz rather than 100 kHz in order to increase the measurement speed.
- 2. The display line shown in the following plots denotes the limit at 20dB below the fundamental emission level measured in a 100 kHz bandwidth. However, since the traces in the following plots are measured with a 1.3MHz RBW, the display line may not necessarily appear to be 20dB below the level of the fundamental in a 1.3MHz bandwidth.
- 3. For plots showing conducted spurious emissions near the limit, the frequencies were investigated with a reduced RBW to ensure that no emissions were present.

7.5.4.Test Setup

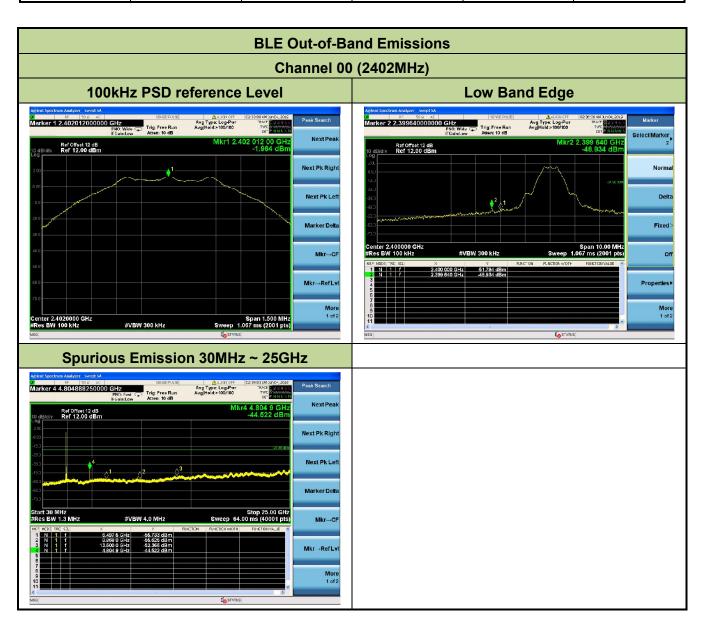


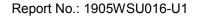


7.5.5.Test Result

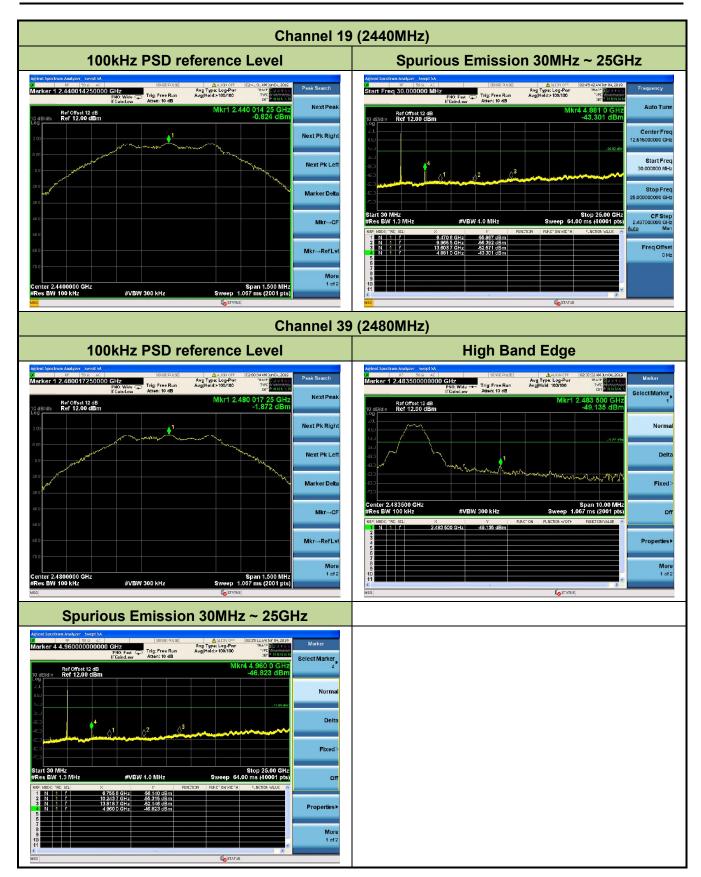
Product	AXENT.ONE PLUS	Temperature	25°C
Test Engineer	Ternence Wang	Relative Humidity	56%
Test Site	SR2	Test Date	2019/06/04

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	Limit	Result
BLE	1	00	2402	20dBc	Pass
BLE	1	19	2440	20dBc	Pass
BLE	1	39	2480	20dBc	Pass











7.6. Radiated Spurious Emission Measurement

7.6.1.Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

1	FCC Part 15 Subpart C Paragraph 15.209								
Frequency	Field Strength	Measured Distance							
[MHz]	[uV/m]	[Meters]							
0.009 - 0.490	2400/F (kHz)	300							
0.490 - 1.705	24000/F (kHz)	30							
1.705 - 30	30	30							
30 - 88	100	3							
88 - 216	150	3							
216 - 960	200	3							
Above 960	500	3							

7.6.2.Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

7.6.3.Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW		
9 ~ 150 kHz	200 ~ 300 Hz		
0.15 ~ 30 MHz	9 ~ 10 kHz		
30 ~ 1000 MHz	100 ~ 120 kHz		
> 1000 MHz	1 MHz		



Quasi-Peak Measurements below 1GHz

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. Span was set greater than 1MHz
- 3. RBW = as specified in Table 1
- 4. Detector = CISPR quasi-peak or average
- 5. Sweep time = auto couple
- 6. Trace was allowed to stabilize

Peak Measurements above 1GHz

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.

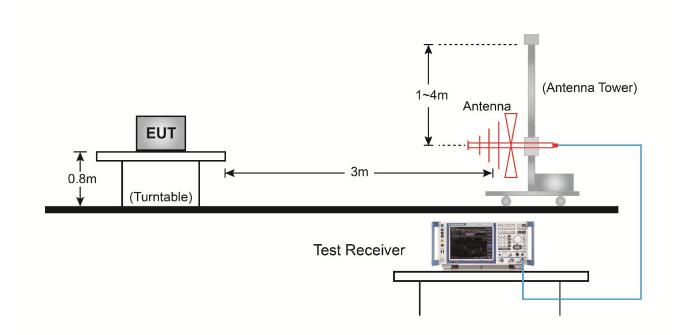
If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.

- 4. Detector = Peak
- 5. Sweep time = auto
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

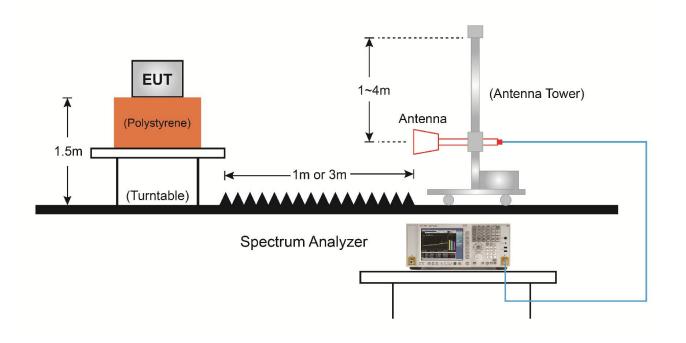


7.6.4.Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:





7.6.5.Test Result

Product	AXENT.ONE PLUS	Temperature	25°C				
Test Engineer	David Lv	Relative Humidity	54%				
Test Site	AC1	Test Date	2019/06/03				
Test Mode:	BLE	Test Channel:	00				
Remark:	Average measurement was no	t performed if peak	evel lower than average				
	limit.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show						
	in the report.						

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
	4051.5	38.3	2.7	41.0	74.0	-33.0	Peak	Horizontal
	4799.5	44.2	5.5	49.7	74.0	-24.3	Peak	Horizontal
*	6219.0	36.8	8.2	45.0	74.0	-29.0	Peak	Horizontal
*	7094.5	35.8	11.3	47.1	74.0	-26.9	Peak	Horizontal
	4017.5	39.0	2.5	41.5	74.0	-32.5	Peak	Vertical
	4808.0	44.9	5.6	50.5	74.0	-23.5	Peak	Vertical
*	6015.0	36.5	7.5	44.0	74.0	-30.0	Peak	Vertical
*	7077.5	36.2	11.1	47.3	74.0	-26.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (90.3dBµV/m) or 15.209 which is higher.

Note 2: Measure Level ($dB\mu V/m$) = Reading Level ($dB\mu V$) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)



Product	AXENT.ONE PLUS	Temperature	25°C				
Test Engineer	David Lv	Relative Humidity	54%				
Test Site	AC1	Test Date	2019/06/03				
Test Mode:	BLE	Test Channel:	19				
Remark:	1. Average measurement was no	t performed if peak l	evel lower than average				
	limit. So the margin was calcul	ated using the avera	ge limit for emissions fall				
	within the restricted bands.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show						
	in the report.						

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
	4026.0	38.3	2.6	40.9	74.0	-33.1	Peak	Horizontal
	4876.0	46.7	5.7	52.4	74.0	-21.6	Peak	Horizontal
*	6006.5	37.0	7.5	44.5	74.0	-29.5	Peak	Horizontal
*	6797.0	36.1	9.7	45.8	74.0	-28.2	Peak	Horizontal
	4000.5	39.2	2.5	41.7	74.0	-32.3	Peak	Vertical
	4884.5	45.6	5.7	51.3	74.0	-22.7	Peak	Vertical
*	5794.0	36.3	7.0	43.3	74.0	-30.7	Peak	Vertical
*	6525.0	37.0	9.6	46.6	74.0	-27.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (92.3dBµV/m) or 15.209 which is higher.

Note 2: Measure Level ($dB\mu V/m$) = Reading Level ($dB\mu V$) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)



Product	AXENT.ONE PLUS	Temperature	25°C				
Test Engineer	David Lv	Relative Humidity	54%				
Test Site	AC1	Test Date	2019/06/03				
Test Mode:	BLE	Test Channel:	39				
Remark:	1. Average measurement was no	t performed if peak I	evel lower than average				
	limit. So the margin was calcul	ated using the avera	ge limit for emissions fall				
	within the restricted bands.						
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show						
	in the report.						

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV)		(dBµV/m)				
	4026.0	38.6	2.6	41.2	74.0	-32.8	Peak	Horizontal
	4960.1	46.3	5.9	52.2	54.0	-1.8	Average	Horizontal
	4961.0	49.6	5.9	55.5	74.0	-18.5	Peak	Horizontal
*	5709.0	35.6	7.0	42.6	74.4	-31.8	Peak	Horizontal
*	6431.5	36.7	8.9	45.6	74.4	-28.8	Peak	Horizontal
	4961.0	43.6	5.9	49.5	74.0	-24.5	Peak	Vertical
	7443.0	41.6	11.9	53.5	74.0	-20.5	Peak	Vertical
*	8641.5	36.3	13.1	49.4	74.4	-25.0	Peak	Vertical
*	10324.5	35.3	16.7	52.0	74.4	-22.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (94.4dBµV/m) or 15.209 which is higher.

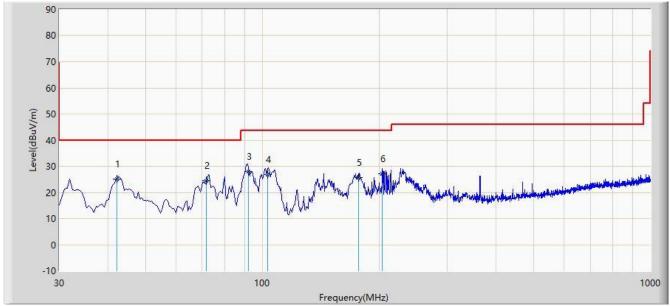
Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)



The Worst Case of Radiated Emission below 1GHz:

Test Mode: There is the worst case within frequency range 30MHz~1GHz					
EUT: AXENT.ONE PLUS	Power: AC 120V/60Hz				
Probe: VULB 9168 _20-2000MHz	Polarity: Horizontal				
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv				
Site: AC1	Time: 2019/06/03 - 15:00				



No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			42.300	25.010	10.470	-14.990	40.000	14.540	QP
2			71.850	24.617	13.220	-15.383	40.000	11.397	QP
3			91.980	27.830	17.280	-15.670	43.500	10.549	QP
4		*	103.220	26.880	15.390	-16.620	43.500	11.490	QP
5			177.240	25.785	12.350	-17.715	43.500	13.435	QP
6			203.850	27.169	15.770	-16.331	43.500	11.399	QP

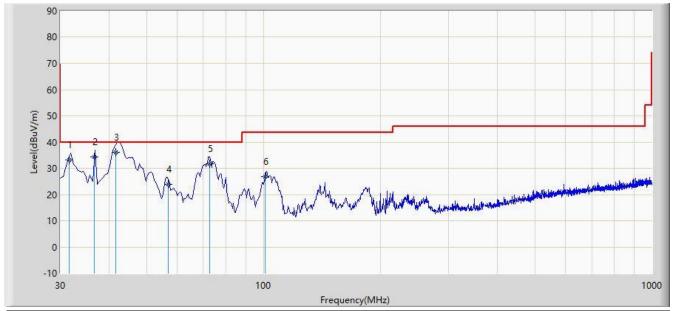
Note 1: Measure Level ($dB\mu V/m$) = Reading Level ($dB\mu V$) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 25GHz), therefore no data appear in the report.



Test Mode: There is the worst case within frequency range 30MHz~1GHz					
EUT: AXENT.ONE PLUS	Power: AC 120V/60Hz				
Probe: VULB 9168 _20-2000MHz	Polarity: Vertical				
Limit: FCC_Part15.209_RSE(3m)	Engineer: David Lv				
Site: AC1	Time: 2019/06/03 - 15:02				



No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			31.680	33.309	19.450	-6.691	40.000	13.859	QP
2			36.680	34.338	20.110	-5.662	40.000	14.228	QP
3		*	41.661	36.170	21.600	-3.830	40.000	14.570	QP
4			56.970	23.920	10.170	-16.080	40.000	13.750	QP
5			72.680	31.741	20.470	-8.259	40.000	11.271	QP
6			100.870	26.723	15.470	-16.777	43.500	11.253	QP

Note 1: Measure Level ($dB\mu V/m$) = Reading Level ($dB\mu V$) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: $9kHz \sim 30MHz$, $18GHz \sim 25GHz$), therefore no data appear in the report.



7.7. Radiated Restricted Band Edge Measurement

7.7.1.Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency	Frequency	Frequency	Frequency
(MHz)	(MHz)	(MHz)	(GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41			



All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209							
Frequency	Field Strength	Measured Distance					
[MHz]	[uV/m]	[Meters]					
0.009 - 0.490	2400/F (kHz)	300					
0.490 - 1.705	24000/F (kHz)	30					
1.705 - 30	30	30					
30 - 88	100	3					
88 - 216	150	3					
216 - 960	200	3					
Above 960	500	3					

7.7.2.Test Procedure Used

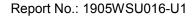
ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

7.7.3.Test Setting

Peak Field Strength Measurements

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize





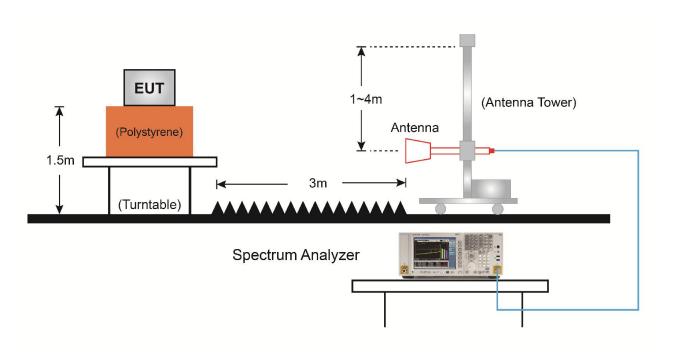
Average Field Strength Measurements

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW; If the EUT is configured to transmit with duty cycle \geq 98%, set VBW = 10 Hz.

If the EUT duty cycle is < 98%, set VBW $\ge 1/T$. T is the minimum transmission duration.

- 4. Detector = Peak
- 5. Sweep time = auto
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

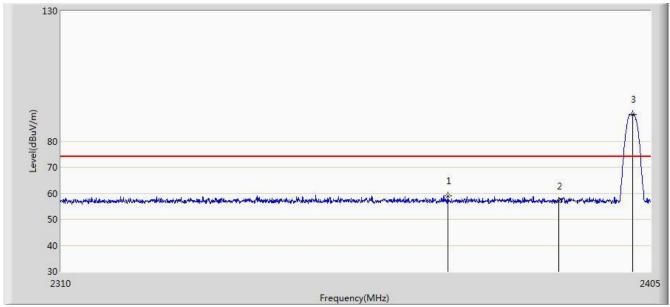
7.7.4.Test Setup





7.7.5.Test Result

Site: AC1	Time: 2019/06/03 - 17:13			
Limit: FCC_Part15_Band Edge(3m)	Engineer: David Lv			
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal			
EUT: AXENT.ONE PLUS	Power: 120V/60Hz			
Test Mode: Transmit by BLE at Channel 2402MHz				

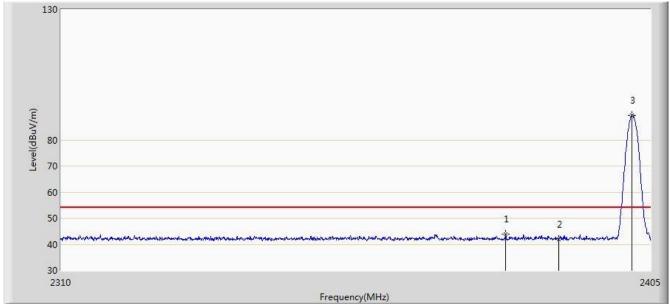


No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2371.940	59.026	26.578	-14.974	74.000	32.448	PK
2			2390.000	56.885	24.472	-17.115	74.000	32.413	PK
3		*	2402.103	90.287	57.891	N/A	N/A	32.395	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)



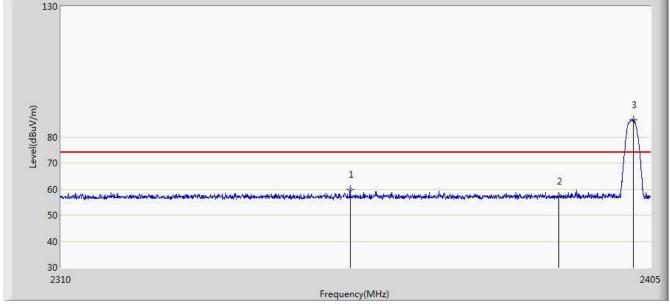
Site: AC1	Time: 2019/06/03 - 17:18			
Limit: FCC_Part15_Band Edge(3m)	Engineer: David Lv			
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal			
EUT: AXENT.ONE PLUS	Power: 120V/60Hz			
Test Mode: Transmit by BLE at Channel 2402MHz				



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2381.345	43.800	11.371	-10.200	54.000	32.428	AV
2			2390.000	41.881	9.468	-12.119	54.000	32.413	AV
3		*	2401.960	89.495	57.099	N/A	N/A	32.396	AV



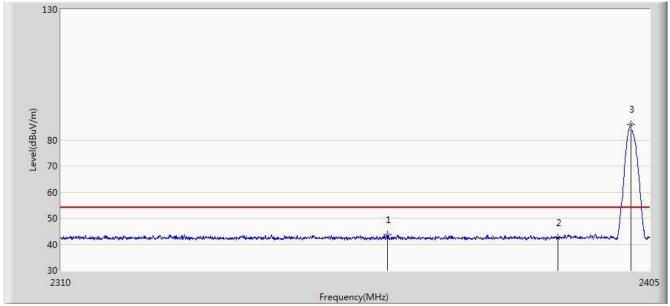
Site: AC1	Time: 2019/06/03 - 17:19			
Limit: FCC_Part15_Band Edge(3m)	Engineer: David Lv			
Probe: BBHA9120D_1-18GHz	Polarity: Vertical			
EUT: AXENT.ONE PLUS	Power: 120V/60Hz			
Test Mode: Transmit by BLE at Channel 2402MHz				



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2356.170	59.993	27.506	-14.007	74.000	32.487	PK
2			2390.000	57.206	24.793	-16.794	74.000	32.413	PK
3		*	2402.245	86.533	54.137	N/A	N/A	32.396	PK



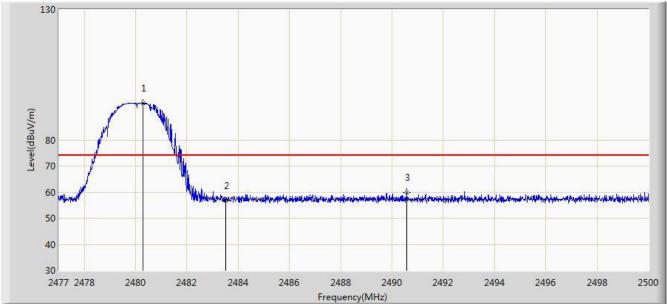
Site: AC1	Time: 2019/06/03 - 17:21			
Limit: FCC_Part15_Band Edge(3m)	Engineer: David Lv			
Probe: BBHA9120D_1-18GHz	Polarity: Vertical			
EUT: AXENT.ONE PLUS	Power: 120V/60Hz			
Test Mode: Transmit by BLE at Channel 2402MHz				



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2362.250	43.641	11.171	-10.359	54.000	32.470	AV
2			2390.000	42.546	10.133	-11.454	54.000	32.413	AV
3		*	2401.913	85.843	53.447	N/A	N/A	32.396	AV



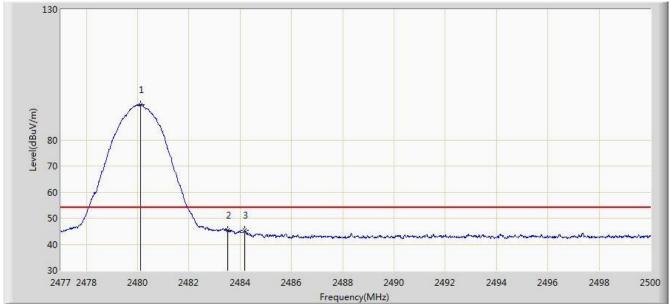
Site: AC1	Time: 2019/06/03 - 17:34			
Limit: FCC_Part15_Band Edge(3m)	Engineer: David Lv			
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal			
EUT: AXENT.ONE PLUS	Power: 120V/60Hz			
Test Mode: Transmit by BLE at Channel 2480MHz				



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2480.278	94.087	61.678	N/A	N/A	32.409	PK
2			2483.500	56.689	24.274	-17.311	74.000	32.416	PK
3			2490.582	59.906	27.477	-14.094	74.000	32.429	PK



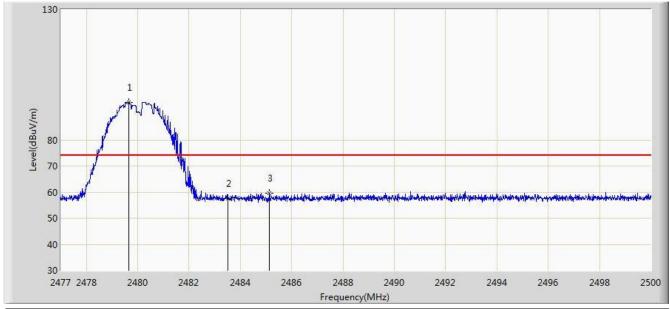
Site: AC1	Time: 2019/06/03 - 17:36			
Limit: FCC_Part15_Band Edge(3m)	Engineer: David Lv			
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal			
EUT: AXENT.ONE PLUS	Power: 120V/60Hz			
Test Mode: Transmit by BLE at Channel 2480MHz				



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2480.105	93.489	61.080	N/A	N/A	32.408	AV
2			2483.500	45.270	12.855	-8.730	54.000	32.416	AV
3			2484.165	45.312	12.895	-8.688	54.000	32.417	AV



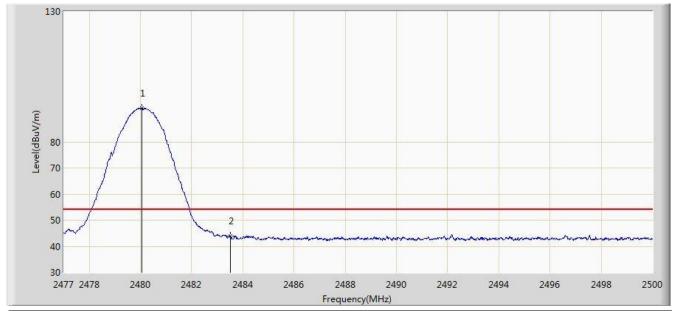
Site: AC1	Time: 2019/06/03 - 17:39
Limit: FCC_Part15_Band Edge(3m)	Engineer: David Lv
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AXENT.ONE PLUS	Power: 120V/60Hz
Test Mode: Transmit by BLE at Channel 2480MHz	



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2479.656	94.411	62.003	N/A	N/A	32.408	PK
2			2483.500	57.511	25.096	-16.489	74.000	32.416	PK
3			2485.131	59.597	27.178	-14.403	74.000	32.419	PK



Site: AC1	Time: 2019/06/03 - 17:42
Limit: FCC_Part15_Band Edge(3m)	Engineer: David Lv
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: AXENT.ONE PLUS	Power: 120V/60Hz
Test Mode: Transmit by BLE at Channel 2480MHz	



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2480.059	92.956	60.547	N/A	N/A	32.408	AV
2			2483.500	43.920	11.505	-10.080	54.000	32.416	AV



7.8. AC Conducted Emissions Measurement

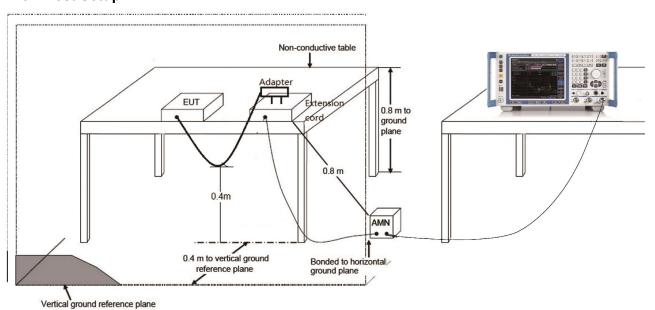
7.8.1.Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits								
Frequency (MHz)	QP (dBuV)	AV (dBuV)						
0.15 - 0.50	66 - 56	56 - 46						
0.50 - 5.0	56	46						
5.0 - 30	60	50						

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

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

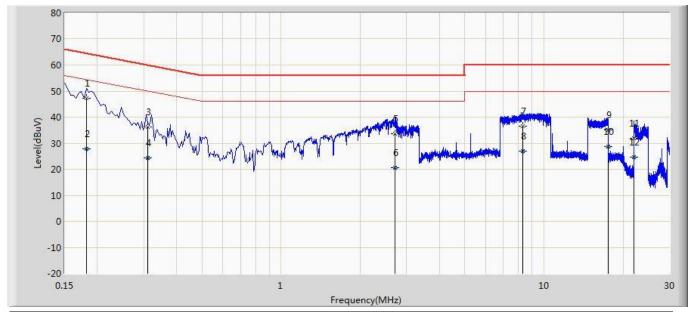
7.8.2.Test Setup





7.8.3.Test Result

Worst Case Mode: Transmit at Channel 2402MHz By BLE					
EUT: AXENT.ONE PLUS	Power: AC 120V/60Hz				
Probe: ENV216_101683_Filter On	Polarity: Line				
Limit: FCC_Part15.207_CE_AC Power	Engineer: Liz Yuan				
Site: SR2	Time: 2019/06/03 - 15:33				



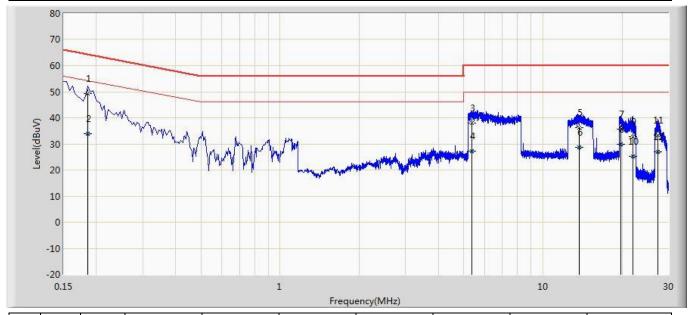
No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV)		
				(dBuV)	(dBuV)				
1			0.182	47.225	37.177	-17.169	64.394	10.048	QP
2			0.182	27.782	17.733	-26.612	54.394	10.048	AV
3			0.311	36.113	26.100	-23.831	59.944	10.013	QP
4		*	0.311	24.413	14.400	-25.531	49.944	10.013	AV
5			2.718	33.727	23.877	-22.273	56.000	9.850	QP
6			2.718	20.519	10.669	-25.481	46.000	9.850	AV
7			8.296	36.565	26.400	-23.435	60.000	10.165	QP
8			8.296	27.065	16.900	-22.935	50.000	10.165	AV
9			17.500	35.086	25.000	-24.914	60.000	10.086	QP
10			17.500	28.686	18.600	-21.314	50.000	10.086	AV
11			21.938	31.828	21.653	-28.172	60.000	10.174	QP
12			21.938	24.509	14.334	-25.491	50.000	10.174	AV

Note: Measure Level (dB μ V) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)



Site: SR2	Time: 2019/06/03 - 15:22				
Limit: FCC_Part15.207_CE_AC Power	Engineer: Liz Yuan				
Probe: ENV216_101683_Filter On	Polarity: Neutral				
EUT: AXENT.ONE PLUS	Power: AC 120V/60Hz				
Worst Case Mode: Transmit at Channel 2402MHz By BLF					



No	Flag	Mark	Frequency	Measure	Reading	Margin	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV)		
				(dBuV)	(dBuV)				
1			0.186	49.135	39.100	-15.078	64.213	10.035	QP
2			0.186	33.935	23.900	-20.278	54.213	10.035	AV
3			5.366	37.975	27.900	-22.025	60.000	10.075	QP
4			5.366	27.175	17.100	-22.825	50.000	10.075	AV
5			13.760	36.091	26.000	-23.909	60.000	10.090	QP
6			13.760	28.791	18.700	-21.209	50.000	10.090	AV
7			19.800	35.566	25.400	-24.434	60.000	10.166	QP
8		*	19.800	29.766	19.600	-20.234	50.000	10.166	AV
9			21.982	32.693	22.470	-27.307	60.000	10.223	QP
10			21.982	25.324	15.101	-24.676	50.000	10.223	AV
11			27.430	33.277	22.900	-26.723	60.000	10.377	QP
12			27.430	26.877	16.500	-23.123	50.000	10.377	AV

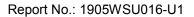
Factor (dB) = Cable Loss (dB) + LISN Factor (dB)



8. CONCLUSION

The data collected relate only the item(s) tested and show that the **AXENT.ONE PLUS** is in compliance with Part 15C of the FCC rules.

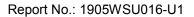
The End





Appendix A - Test Setup Photograph

Refer to "1905WSU016-UT" file.



Page Number: 52 of 52



Appendix B - EUT Photograph

Refer to "1905WSU016-UE" file.