

FCC PART 15C TEST REPORT FOR CERTIFICATION

On Behalf of

Zylux Acoustic Corporation

DELL Wireless 360 Speaker System

AE715

FCC ID: XN6-AE715

Prepared for: Zylux Acoustic Corporation

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11492 Taipei Taiwan

Prepared By: Audix Technology (Shenzhen) Co., Ltd.

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Report Number : ACS-F16212

Date of Test : Nov.04~12, 2016

Date of Report : Nov.17, 2016



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TEST REPORT CERTIFICATION

Applicant : Zylux Acoustic Corporation
Manufacture : Zylux Acoustic Corporation

Product : DELL Wireless 360 Speaker System

FCC ID : XN6-AE715

(A) Model No. : AE715 (B) Power Supply : DC 12V

(C) Test Voltage : DC 12V From Adapter Input AC 120V/60Hz

Tested for comply with:

FCC CFR47 Part 15 Subpart C: 2016 Test procedure used: ANSI C63.10: 2013;

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to confirm comply with all the FCC Part 15 Subpart C requirements. The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements. This report contains data that are not covered by the NVLAP accreditation.

This Report is made under FCC Part 2.1075. No modifications were required during testing to bring this product into compliance.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test:	Nov.04~12, 2016	Report of date:	Nov.17, 2016
Prepared by :	Kayl- He for	Reviewed by :	Supm
	Cindy Zhu / Assistan	t	Sunny Lu/ Deputy Manager
	AUD	B 信奉科技(深圳)有 Audix Technology(EMC 部門報告書	Shenzhen) Co., Ltd.
	S	Stamp only for EMC D	ept. Report
Approved & Aut	horized Signer:	Signature: David	Din
		David Jin	/ Manager



1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

The EUT has been tested according to the applicable standards as referenced below.

EMISSION						
Description of Test Item	Standard	Results				
Power Line Conducted Emission Test	FCC Part 15: 15.207 ANSI C63.10 :2013	PASS				
Radiated Emission Test	FCC Part 15: 15.209 FCC Part 15: 15.247(d) ANSI C63.10: 2013	PASS				
Conducted Spurious Emissions	FCC Part 15: 15.247(a)(1) ANSI C63.10 : 2013	PASS				
Carrier Frequency Separation Test	FCC Part 15: 15.247(a)(1) ANSI C63.10 : 2013	N/A				
6dB Bandwidth Test	FCC Part 15: 15.215 ANSI C63.10 : 2013	PASS				
Maximum Peak Output Power Test	FCC Part 15: 15.247(b)(1) ANSI C63.10 : 2013	PASS				
Band Edge Compliance Test	FCC Part 15: 15.247(d) ANSI C63.10 : 2013	PASS				
Power Spectral Density Test	FCC Part 15: 15.247(d) ANSI C63.10: 2013	PASS				

N/A is an abbreviation for Not Applicable.

Page FCC ID: XN6-AE715

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

Product : DELL Wireless 360 Speaker System

Model No. : AE715

FCC ID : XN6-AE715

Radio : Bluetooth V3.0+EDR; Bluetooth V4.0

Operation

Frequency

: 2402-2480MHz

Modulation : Bluetooth V3.0+EDR: GFSK, π/4DQPSK,8-DPSK

Bluetooth V4.0:GFSK Technology

Antenna Assembly: Antenna: PCB Print; 0dBi

Gain

Applicant : Zylux Acoustic Corporation

3F, 22 Lane 35, Jihu Road Taipei Neihu Technology Park, 11492

Taipei Taiwan

Manufacturer : Zylux Acoustic Corporation

3F, 22 Lane 35, Jihu Road Taipei Neihu Technology Park, 11492

Taipei Taiwan

Factory : Zhao Yang Electronic (ShenZhen) Co., Ltd.

> Building 2, De Yong Jia Industrial Park, Guang Qiao Road, Yu Lv Community, Gong Ming Street, Guang Ming New District, ShenZhen,

518132, P.R.China

Power Adapter : Manufacturer: Chousen International Co., Ltd

M/N: CS36M120300FUF

DC Cable: Shielded, Detachable, 1.8m

Audio Cable : Unshielded, Detectable, 0.6m

Date of Test : Nov.04~12, 2016

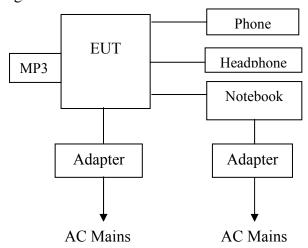
Date of Receipt : Oct.29, 2016



2.2. Tested Supporting System Details

No.	Description	ACS No.	Manufacturer	Model	Serial Number		
		SON		SVF143A1QT			
1.	Notebook	Power Adapter: Manufacturer: SONY, Model: VGP-AC19V77 Input: 100-240V~, 1.5A, 50/60Hz Output: 19.5V3.3A Power Cord: Unshielded, Detachable, 1.8m					
2.	Phone		Apple	A1429			
2	Haaduhana		SONY				
3.	Headphone	Cable: Shielded, U					
4.	MP3		SONY	NWZ-B172F			

2.3. Block diagram of connection between the EUT and simulators

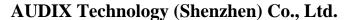


(EUT: DELL Wireless 360 Speaker System)

2.4. Test information

A Special Test Software was used to control EUT work in Continuous TX mode (GFSK modulation), and select test channel.

Tested mode, channel, and data rate information								
Mode data rate (Mbps) Channel Frequency (MHz)								
Tx Mode	1	Low:CH 0	2402					
GFSK	1	Middle: CH19	2440					
modulation	2480							





2.5. Test Facility
Site Description

Audix Technology (Shenzhen) Co., Ltd.

Name of Firm

No. 6, Kefeng Road, Science & Technology

Park, Nanshan District, Shenzhen, Guangdong,

China

Certificated by FCC, USA

3m Anechoic Chamber : Registration Number: 90454

Valid Date: Jul.12, 2017

Certificated by FCC, USA

3m & 10m Anechoic Chamber : Registration Number: 794232

Valid Date: Jul.12, 2017

Certificated by Industry Canada

EMC Lab. : Registration Number: IC 5183A-1

Valid Date: May.14, 2017

Certificated by DAkkS, Germany

: Registration No: D-PL-12151-01-00

Valid Date: Dec.15, 2016

Accredited by NVLAP, USA

NVLAP Code: 200372-0 Valid Date: Mar.31, 2017

2.6. Measurement Uncertainty (95% confidence levels, k=2)

Test Item	Uncertainty		
Uncertainty for Conduction emission test in No. 1 Conduction	3.2dB(150KHz to 30MHz)		
	2.8dB(30~200MHz, Polarization: H)		
Uncertainty for Radiation Emission test	2.8dB(30~200MHz, Polarization: V)		
in 3m chamber	3.0dB(200M~1GHz, Polarization: H)		
	3.0dB(200M~1GHz, Polarization: V)		
Uncertainty for Radiation Emission test in	5.8dB(1~6GHz, Distance: 3m)		
3m chamber (1GHz-18GHz)	5.8dB(6~18GHz, Distance: 3m)		
Uncertainty for Radiated Spurious Emission test in RF chamber	3.6dB		
Uncertainty for Conduction Spurious emission test	2.0dB		
Uncertainty for Output power test	0.8dB		
Uncertainty for Bandwidth test	83kHz		
Uncertainty for DC power test	0.1%		
Uncertainty for test site temperature and	0.6℃		
humidity	3%		

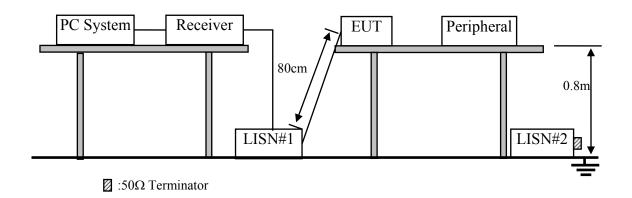
PageFCC ID: XN6-AE715

3. POWER LINE CONDUCTED EMISSION TEST

3.1.Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	1# Shielding Room	AUDIX	N/A	N/A	Apr.17,16	1 Year
2.	Test Receiver	Rohde & Schwarz	ESCI	100842	Apr.24,16	1 Year
3.	L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	100429	Oct.15,16	1 Year
4.	L.I.S.N.#2	Kyoritsu	K NW-403D	8-1750-2	Apr.24,16	1 Year
5.	Terminator	Hubersuhner	50Ω	No.1	May.05,16	1 Year
6.	Terminator	Hubersuhner	50Ω	No.2	May.05,16	1 Year
7.	RF Cable	MIYAZAKI	3D-2W	No.1	Apr.24,16	1Year
8.	Coaxial Switch	Anritsu	MP59B	6200766906	Apr.23,16	1 Year
9.	Test Software	AUDIX	e3	6.100913a	N/A	N/A
Note:	N/A means Not applical	hle	•	•	•	

3.2.Block Diagram of Test Setup



3.3. Power Line Conducted Emission Test Limits

	Maximum RF Line Voltage			
Frequency	Quasi-Peak Level	Average Level		
	dB(µV)	$dB(\mu V)$		
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*		
500kHz ~ 5MHz	56	46		
5MHz ~ 30MHz	60	50		

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

3.4. Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

3.4.1. DELL Wireless 360 Speaker System (EUT)

Model Number : AE715 Serial Number : N/A

3.4.2. Support Equipment: As Tested Supporting System Details, in Section 2.2.

3.5. Operating Condition of EUT

- 3.5.1. Setup the EUT and simulator as shown as Section 3.2.
- 3.5.2. Turn on the power of all equipments.
- 3.5.3. PC run test software to control EUT work in BT4.0 Tx mode.

3.6. Test Procedure

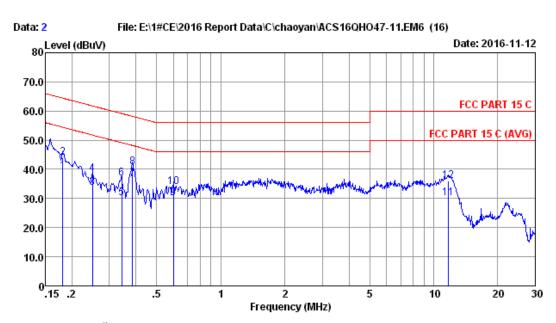
The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power Via PC connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Test.

The bandwidth of test receiver (R & S ESCI) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

3.7. Power Line Conducted Emission Test Results

PASS. (All emissions not reported below are too low against the prescribed limits.)



Site no :1# Conduction Data No :2 Dis./Lisn :2016 ESH2-Z5 LINE LISN phase:

Limit :FCC PART 15 C

Env./Ins. :22.3*C/50% Engineer :Garry

EUT :DELL Wireless 360 Speaker System

Power Rating :DC 12V From Adapter Input AC 120V/60Hz

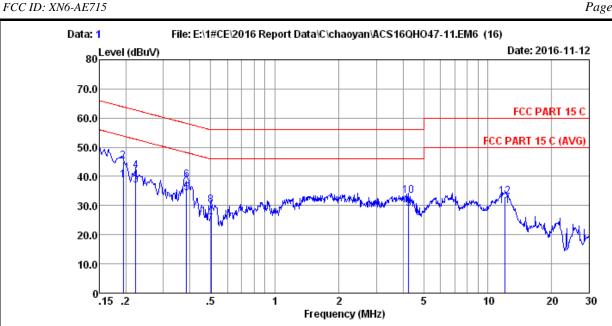
Test Mode :BT4.0 Play M/N:AE715

		ISN	Cable		Emissio:	n		
No	Freq	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dB)	
1	0.182	0.13	0.02	38.99	39.14	54.42	15.28	Average
2	0.182	0.13	0.02	43.97	44.12	64.42	20.30	QP
3	0.249	0.13	0.02	33.48	33.63	51.78	18.15	Average
4	0.249	0.13	0.02	38.09	38.24	61.78	23.54	QP
5	0.343	0.13	0.02	30.04	30.19	49.13	18.94	Average
6	0.343	0.13	0.02	36.77	36.92	59.13	22.21	QP
7	0.385	0.13	0.03	36.47	36.63	48.17	11.54	Average
8	0.385	0.13	0.03	40.45	40.61	58.17	17.56	QP
9	0.598	0.12	0.04	30.04	30.20	46.00	15.80	Average
10	0.598	0.12	0.04	33.71	33.87	56.00	22.13	QP
11	11.745	0.42	0.15	29.45	30.02	50.00	19.98	Average
12	11.745	0.42	0.15	35.45	36.02	60.00	23.98	QP

Remarks: 1.Emission Level=ISN Factor+Cable Loss+Reading.

2.If the average limit is met when using a quasi-peak detector. the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

Page



Site no :1# Conduction Data No Dis./Lisn :2016 ESH2-Z5 NEUTRAL LISN phase:

Limit :FCC PART 15 C

:22.3*C/50% Env./Ins. Engineer : Garry

:DELL Wireless 360 Speaker System Power Rating :DC 12V From Adapter Input AC 120V/60Hz

Test Mode :BT4.0 Play M/N:AE715

		ISN	Cable		Emissio:	n		
No	Freq	Factor	Loss	Reading	Level	Limits	Margin	Remark
	(MHz)	(dB)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dB)	
1	0.194	0.13	0.02	38.44	38.59	53.84	15.25	Average
2	0.194	0.13	0.02	44.91	45.06	63.84	18.78	QP
3	0.222	0.13	0.02	36.65	36.80	52.74	15.94	Average
4	0.222	0.13	0.02	41.85	42.00	62.74	20.74	QP
5	0.385	0.15	0.03	34.21	34.39	48.17	13.78	Average
6	0.385	0.15	0.03	38.60	38.78	58.17	19.39	QP
7	0.502	0.15	0.03	23.45	23.63	46.00	22.37	Average
8	0.502	0.15	0.03	29.82	30.00	56.00	26.00	QP
9	4.247	0.24	0.09	28.69	29.02	46.00	16.98	Average
10	4.247	0.24	0.09	33.04	33.37	56.00	22.63	QP
11	12.060	0.43	0.16	29.33	29.92	50.00	20.08	Average
12	12.060	0.43	0.16	32.57	33.16	60.00	26.84	QP

Remarks: 1.Emission Level=ISN Factor+Cable Loss+Reading.

2.If the average limit is met when using a quasi-peak detector. the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



4. RADIATED EMISSION MEASUREMENT

4.1. Test Equipment

Frequency range: 30~1000MHz

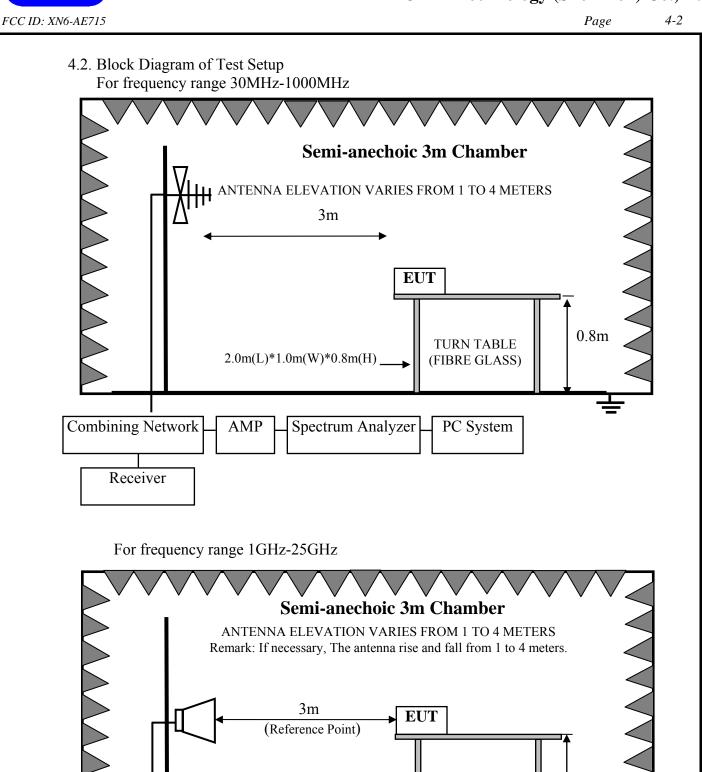
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3#Chamber	AUDIX	N/A	N/A	Mar.28,16	1 Year
2.	EMI Spectrum	Agilent	E4407B	MY41440292	Apr.24,16	1 Year
3.	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	Apr.24,16	1 Year
4.	Amplifier	HP	8447D	2648A04738	Apr.24,16	1 Year
5.	Tri-log-Broadband Antenna	SCHWARZBECK	VULB 9168	9168-710	Jul.20,16	1 Year
6.	RF Cable	MIYAZAKI	CFD400NL- LW	No.3	Sep.26.16	1 Year
7.	Coaxial Switch	Anritsu	MP59B	6201397222	Apr.23,16	1 Year
8.	Attenuator	EMCI	EMCI-N-6- 06	AT-N0639	Sep.26.16	1 Year
9.	Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A	N/A
NT 4	NT/A NT 4 1°	1 1				

Note: N/A means Not applicable.

Frequency range: above 1000MHz

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3#Chamber	AUDIX	N/A	N/A	May.21,16	1 Year
2.	Spectrum Analyzer	Agilent	E4407B	MY41440292	Apr.24,16	1 Year
3.	Horn Antenna	ETC	MCTD 1209	DRH15F03007	Apr.11,16	1 Year
4.	Horn Antenna	ETS	3116	00060088	Nov.18.15	1 Year
5.	Amplifier	Agilent	83017A	MY53270084	May.17,16	1 Year
6.	RF Cable	Hubersuhner	SUCOFLEX10 6	505238/6	Apr.24,16	1 Year
7.	Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A	N/A
NT 4	NT/A NT 4	1: 1.1			·	

Note: N/A means Not applicable.



1.0m(L)*1.0m(W)*1.5m(H)

(30cm)

Spectrum Analyzer

ABSORBER (30cm maximum)

AMP

1.5m

TURN TABLE

(Styrene)

PC System



4.3. Radiated Emission Limit Standard:

FREQUE	ENCY	DISTANCE	FIELD STRENGTHS LIMIT		
MHz	Z	Meters	$\mu V/m$	dB(μV)/m	
30 ~	88	3	100	40.0	
88 ~	216	3	150	43.5	
216 ~	960	3	200	46.0	
960 ~	1000	3	500	54.0	
Above	1000MHz	3	74.0 dB(μV) 54.0 dB(μV)	/)/m (Peak) /m (Average)	

Remark: (1) Emission level $dB\mu V = 20 \log Emission level \mu V/m$

- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.
- (4) The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

4.4. EUT Configuration on Test

The following equipment are installed on Radiated Emission Test to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

4.4.1. DELL Wireless 360 Speaker System (EUT)

Model Number : AE715 Serial Number : N/A

- 4.5. Operating Condition of EUT
 - 4.5.1. Setup the EUT and simulator as shown as Section 4.2.
 - 4.5.2. Turn on the power of all equipments.
 - 4.5.3. Let EUT work in BT4.0 Tx mode.

4.6. Test Procedure

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground for frequency 30MHz~1000MHz, 1.5 meter high above ground for frequency above 1GHz and put the absorbing with 2.4m(L)*2.4m(W)*0.3m(H) on the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it.EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna for frequency 30MHz~1000MHz, and the Horm antenna is used as receiving antenna for frequency above 1GHz. Both horizontal and vertical polarization of the antenna is set on Test. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.10-2013 on radiated emission Test.

This test was performed with EUT in X, Y, Z position, and the worse case was found when EUT in X position as the test photo indicated.

The bandwidth of the EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.



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The bandwidth of the Spectrum's RBW is set at 1MHz and VBW is set at 3MHz for peak emissions measurement above 1GHz.

This device is pulse Modulated, a duty cycle factor was used to calculated average level based measured peak level.

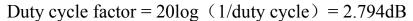
The frequency range from 30MHz to 10th harmonic (25GHz) are checked. and no any emissions were found from 18GHz to 25 GHz, So the radiated emissions from 18GHz to 25GHz were not record.

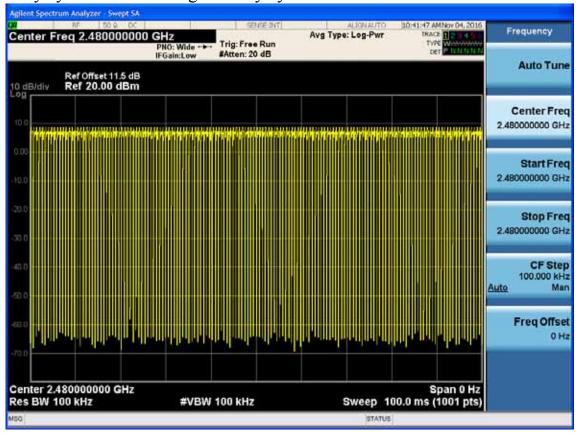
4.7. Radiated Emission Test Results

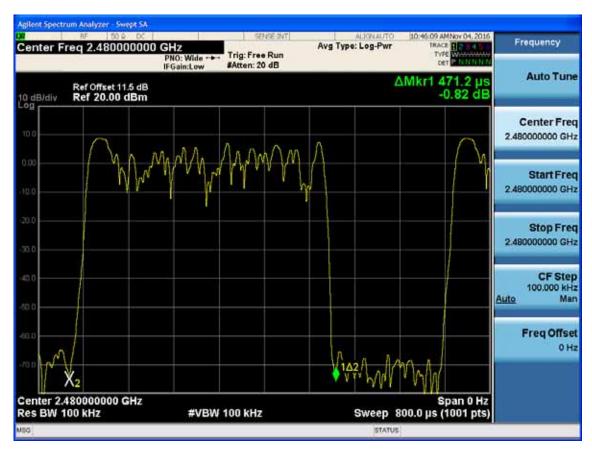
PASS.

All the emissions from 30MHz to 25GHz were comply with the 15.209 Limit.

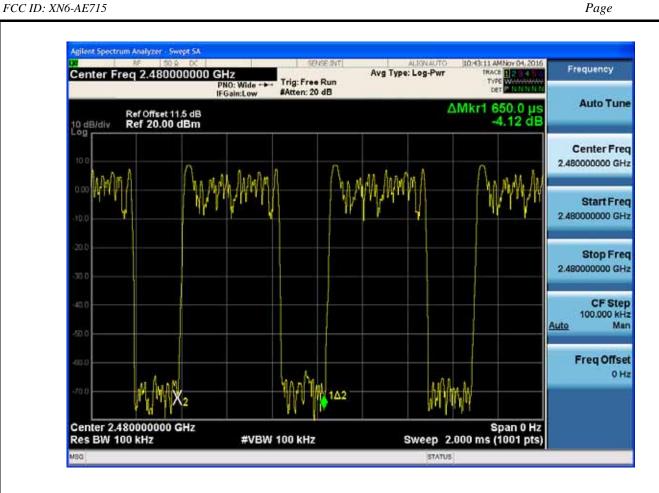
Note: The duty cycle factor for calculate average level is 2.794dB, and average limit is 20dB below peak limit, so if peak measured level comply with average limit, the average level was deemed to comply with average limit.







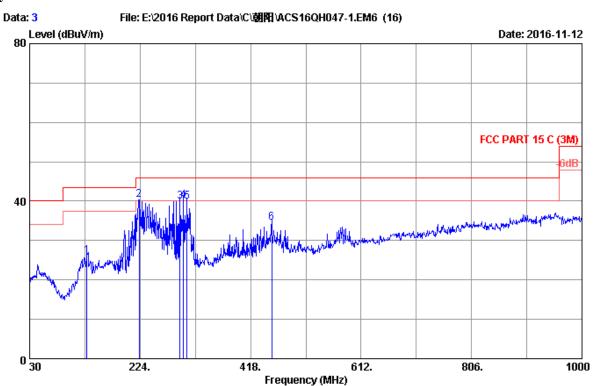
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Page FCC ID: XN6-AE715

Frequency: 30MHz~1GHz



Site no. : 3m Chamber Data no. : 3

Dis. / Ant. : 3m ANT 2016 9168 710 Ant. pol. : HORIZONTAL

: FCC PART 15 C (3M)

Env. / Ins. : 22.6*C/49.3% Engineer : Leo-Li

: DELL Wireless 360 Speaker System Power rating : DC 12V From Adapter Input AC 120V/60Hz

Test Mode : Tx Mode AE715

	No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1	130.880	18.31	1.10	6.60	26.01	43.50	17.49	QP
2	2	222.060	17.13	1.22	22.00	40.35	46.00	5.65	QP
3	3	293.840	19.65	1.93	18.34	39.92	46.00	6.08	QP
4	4	300.630	19.83	1.99	18.39	40.21	46.00	5.79	QP
5	5	306.450	19.95	2.02	17.89	39.86	46.00	6.14	QP
6	6	454.860	23.42	2.61	8.40	34.43	46.00	11.57	QP

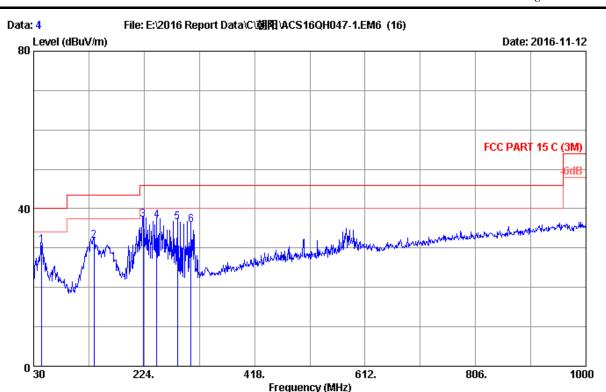
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.

limit are not reported.

^{2.} The emission levels that are 20dB below the official

AUDIX Technology (Shenzhen) Co., Ltd.

FCC ID: XN6-AE715 Page 4-8



Site no. : 3m Chamber Data no. : 4

Dis. / Ant. : 3m ANT 2016 9168 710 Ant. pol. : VERTICAL

Limit : FCC PART 15 C (3M)

Env. / Ins. : 22.6*C/49.3% Engineer : Leo-Li

EUT : DELL Wireless 360 Speaker System

Power rating : DC 12V From Adapter Input AC 120V/60Hz

Test Mode : Tx Mode AE715

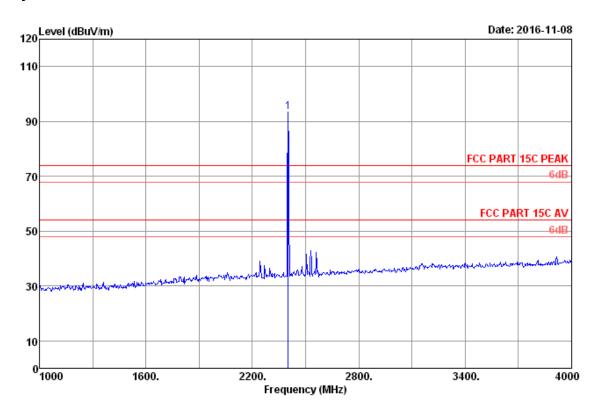
_	No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
	1	44.550	20.42	0.75	9.58	30.75	40.00	9.25	QP
	2	135.730	18.89	1.09	11.82	31.80	43.50	11.70	QP
	3	222.060	17.13	1.22	18.83	37.18	46.00	8.82	QP
	4	246.310	18.19	1.46	17.31	36.96	46.00	9.04	QP
	5	282.200	19.45	1.82	15.30	36.57	46.00	9.43	QP
	6	306.450	19.95	2.02	13.90	35.87	46.00	10.13	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.



Page FCC ID: XN6-AE715

Frequency:1GHz~18GHz



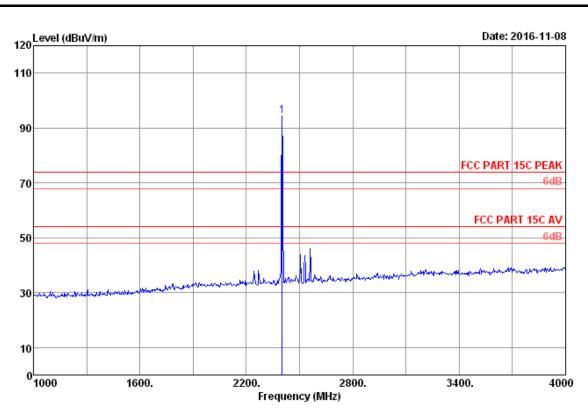
Ant. pol. : HORIZONTAL Pre : 104.2kPa

Site no. : 3m Chamber Data no. :
Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. :
Limit : FCC PART 15C PEAK Pre :
Env. / Ins. : 23.4*C/52.9% Engineer : zack_zhu
EUT : DELL Wireless 360 Speaker System
Power rating : DC 12V From Adapter Input AC 120V/60Hz
Test Mode : 2402MHz Tx Mode
AE715 Engineer : zack_zhu

No.	Freq.	Factor				Emission Level (dBuV/m)			Remark
1	2402.00	28.14	8.34	93.47	36.39	93.56	74.00	-19.56	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading

-Amp Factor



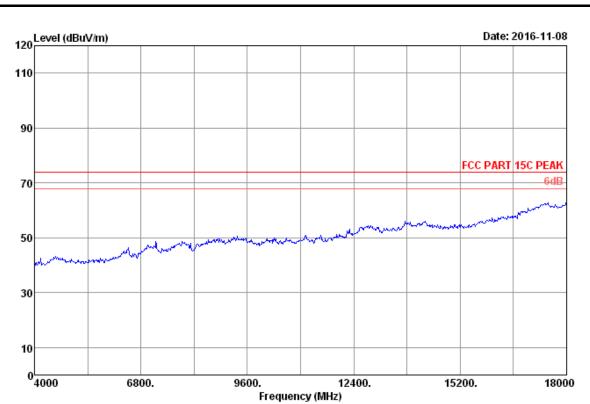
: 3m Chamber : 3m 2016 MCTD1209 3007 : FCC PART 15C PEAK : 23.4*C/52.9% Engines Data no. : 2 Site no. Dis. / Ant. Limit Ant. pol. : VERTICAL Pre : 104.2kPa

Pre : 23.4*C/52.9% Engineer : zack_zhu
EUT : DELL Wireless 360 Speaker System
Power rating : DC 12V From Adapter Input AC 120V/60Hz
Test Mode : 2402MHz Tx Mode
AE715

No.	Freq.	Factor				Emission Level (dBuV/m)			Remark
1	2402.00	28.14	8.34	94.35	36.39	94.44	74.00	-20.44	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading

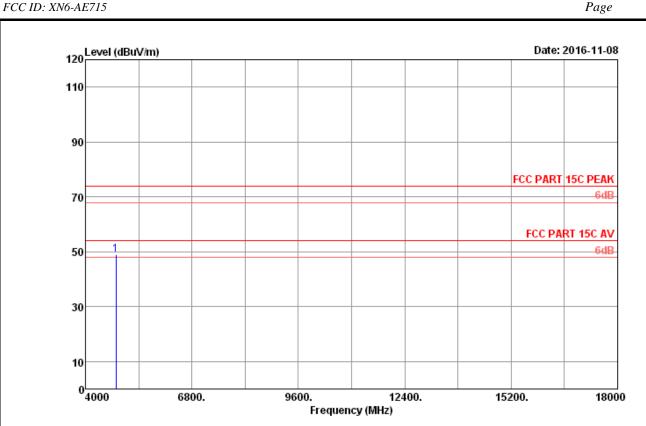
-Amp Factor



Data no. : 3 Ant. pol. : VERTICAL Pre : 104.2kPa

Site no. : 3m Chamber Data no. :
Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. :
Limit : FCC PART 15C PEAK Pre :
Env. / Ins. : 23.4*C/52.9% Engineer : zack_zhu
EUT : DELL Wireless 360 Speaker System
Power rating : DC 12V From Adapter Input AC 120V/60Hz
Test Mode : 2402MHz Tx Mode
AE715

Page



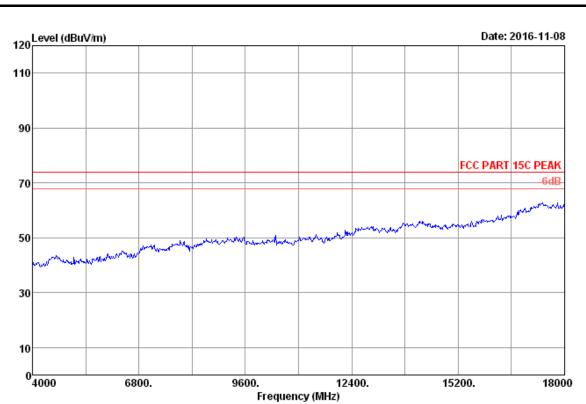
Site no. : 3m Chamber Data no. : 4 Dis. / Ant. Limit : 3m 2016 MCTD1209 3007 : FCC PART 15C PEAK : 23.4*C/52.9% Engine Ant. pol. : VERTICAL : 104.2kPa

EUT : DELL Wireless 360 Speaker System
Power rating: DC 12V From Adapter Input AC 120V/60Hz
Test Mode: 2402MHz Tx Mode
AE715

AMP Ant. Cable Emission No. Freq. Factor Loss Reading factor Level Limits Margin Remark (MHz) (dB/m)(dB) (dBuV) (dB) (dBuV/m) (dBuV/m) (dB) 4804.00 32.79 11.75 40.05 35.67 48.92 74.00 25.08

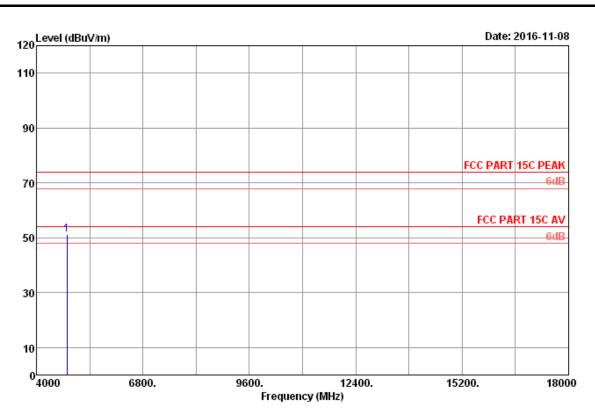
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading

-Amp Factor



Data no. : 5
Ant. pol. : HORIZONTAL
Pre : 104.2kPa

Site no. : 3m Chamber Data no. :
Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. :
Limit : FCC PART 15C PEAK Pre :
Env. / Ins. : 23.4*C/52.9% Engineer : zack_zhu
EUT : DELL Wireless 360 Speaker System
Power rating : DC 12V From Adapter Input AC 120V/60Hz
Test Mode : 2402MHz Tx Mode
AE715



Site no. Data no. : 6

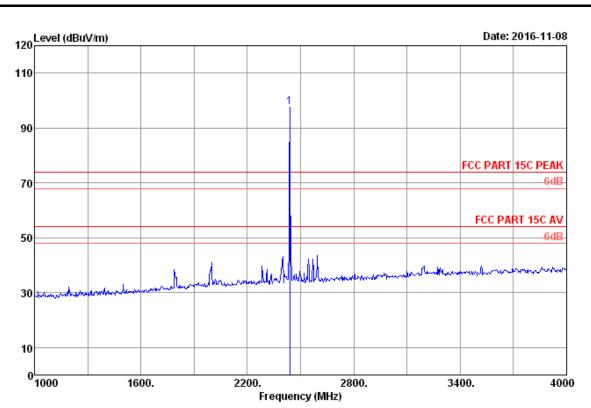
: 3m Chamber : 3m 2016 MCTD1209 3007 : FCC PART 15C PEAK : 23.4*C/52.9% Engines Dis. / Ant. Limit Ant. pol. : HORIZONTAL : 104.2kPa

Pre : 23.4*C/52.9% Engineer : zack_zhu
EUT : DELL Wireless 360 Speaker System
Power rating : DC 12V From Adapter Input AC 120V/60Hz
Test Mode : 2402MHz Tx Mode
AE715

No.	Freq.					Emission Level (dBuV/m)			Remark
1	4804.00	32.79	11.75	42.42	35.67	51.29	74.00	22.71	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading

-Amp Factor



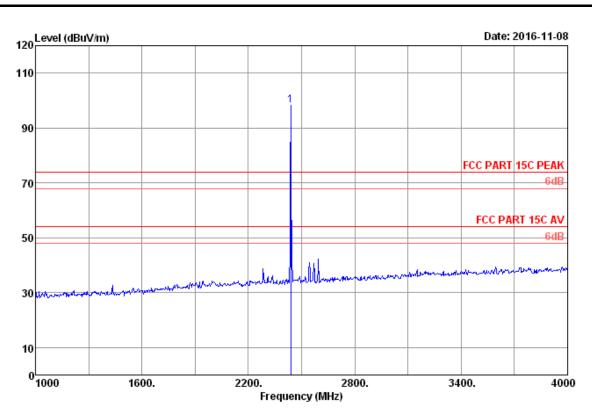
: 3m Chamber : 3m 2016 MCTD1209 3007 : FCC PART 15C PEAK : 23.4*C/52.9% Engines Data no. : 9 Site no. Dis. / Ant. Limit Ant. pol. : VERTICAL Pre : 104.2kPa

EUT : 23.4*C/52.9% Engineer : zack_zhu
EUT : DELL Wireless 360 Speaker System
Power rating : DC 12V From Adapter Input AC 120V/60Hz
Test Mode : 2440MHz Tx Mode
AE715

No.		Factor				Emission Level (dBuV/m)			Remark
1	2440.00	28.20	8.38	97.25	36.38	97.45	74.00	-23.45	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading

-Amp Factor



Site no. Data no. : 10

: 3m Chamber : 3m 2016 MCTD1209 3007 : FCC PART 15C PEAK : 23.4*C/52.9% Engines Dis. / Ant. Limit Ant. pol. : HORIZONTAL : 104.2kPa

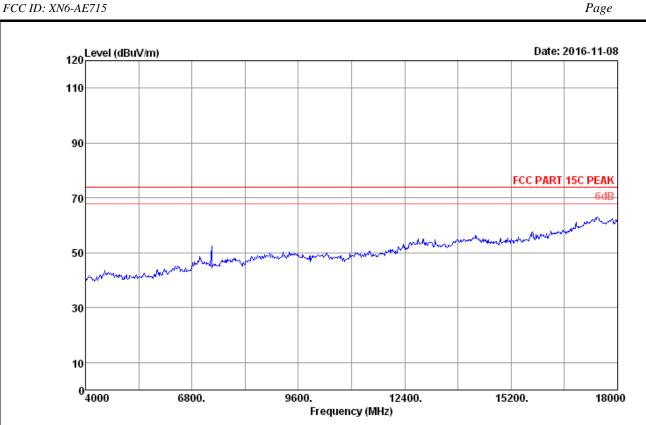
EUT : 23.4*C/52.9% Engineer : zack_zhu
EUT : DELL Wireless 360 Speaker System
Power rating : DC 12V From Adapter Input AC 120V/60Hz
Test Mode : 2440MHz Tx Mode
AE715

No.	Freq.	Factor		Reading (dBuV)			Limits Margin (dBuV/m) (dB)	Remark
1	2440.00	28.20	8.38	97.89	36.38	98.09	74.00 -24.09	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading

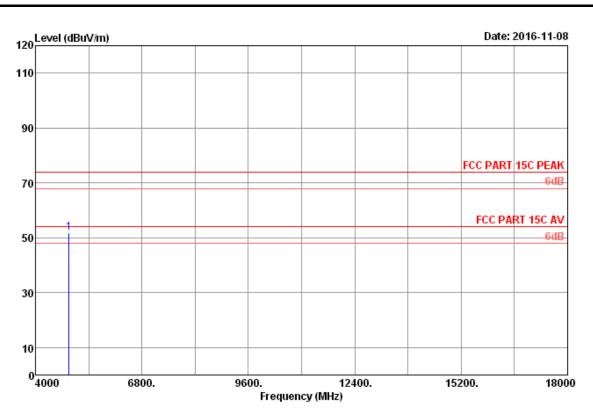
-Amp Factor

Page



Data no. : 11 Ant. pol. : HORIZONTAL Pre : 104.2kPa

Site no. : 3m Chamber Data no. :
Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. :
Limit : FCC PART 15C PEAK Pre :
Env. / Ins. : 23.4*C/52.9% Engineer : zack_zhu
EUT : DELL Wireless 360 Speaker System
Power rating : DC 12V From Adapter Input AC 120V/60Hz
Test Mode : 2440MHz Tx Mode
AE715



Site no. Data no. : 12

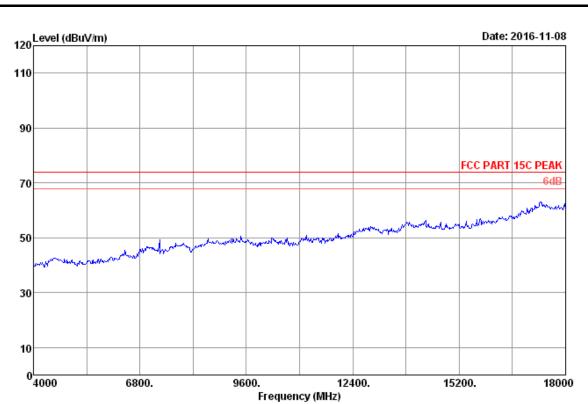
: 3m Chamber : 3m 2016 MCTD1209 3007 : FCC PART 15C PEAK : 23.4*C/52.9% Engines Dis. / Ant. Limit Ant. pol. : HORIZONTAL : 104.2kPa

EUT : 23.4*C/52.9% Engineer : zack_zhu
EUT : DELL Wireless 360 Speaker System
Power rating : DC 12V From Adapter Input AC 120V/60Hz
Test Mode : 2440MHz Tx Mode
AE715

No.	Freq.			Reading (dBuV)		Emission Level (dBuV/m)			Remark
1	4880.00	32.64	11.80	43.21	35.69	51.96	74.00	22.04	Peak

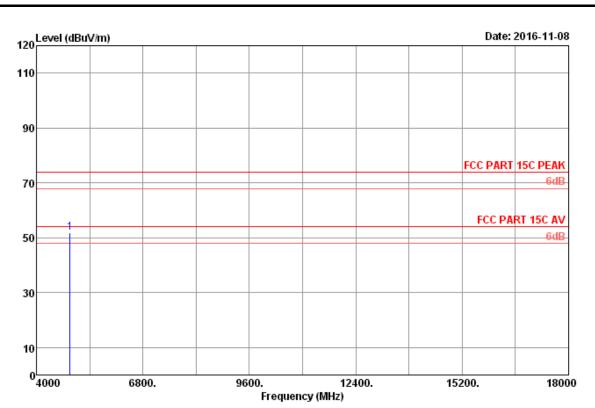
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading

-Amp Factor



Site no. : 3m Chamber Data no. :
Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. :
Limit : FCC PART 15C PEAK Pre :
Env. / Ins. : 23.4*C/52.9% Engineer : zack_zhu
EUT : DELL Wireless 360 Speaker System
Power rating : DC 12V From Adapter Input AC 120V/60Hz
Test Mode : 2440MHz Tx Mode
AE715 Data no. : 13 Ant. pol. : VERTICAL Pre : 104.2kPa

PageFCC ID: XN6-AE715



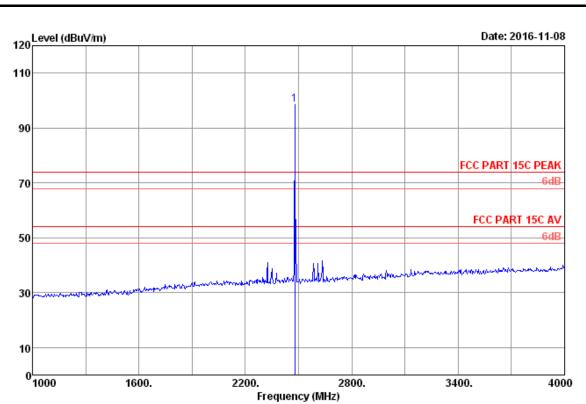
Site no. : 3m Chamber Data no. : 14 Dis. / Ant. Limit : 3m 2016 MCTD1209 3007 : FCC PART 15C PEAK : 23.4*C/52.9% Engine Ant. pol. : VERTICAL : 104.2kPa

EUT : DELL Wireless 360 Speaker System
Power rating : DC 12V From Adapter Input AC 120V/60Hz
Test Mode : 2440MHz Tx Mode
AE715

AMP Ant. Cable Emission No. Freq. Factor Loss Reading factor Level Limits Margin Remark (MHz) (dB/m)(dB) (dBuV) (dB) (dBuV/m) (dBuV/m) (dB) 4880.00 32.64 11.80 43.18 35.69 51.93 74.00 22.07 Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading

-Amp Factor



Site no. Data no. : 15

: 3m Chamber : 3m 2016 MCTD1209 3007 : FCC PART 15C PEAK : 23.4*C/52.9% Engines Dis. / Ant. Limit Ant. pol. : HORIZONTAL : 104.2kPa

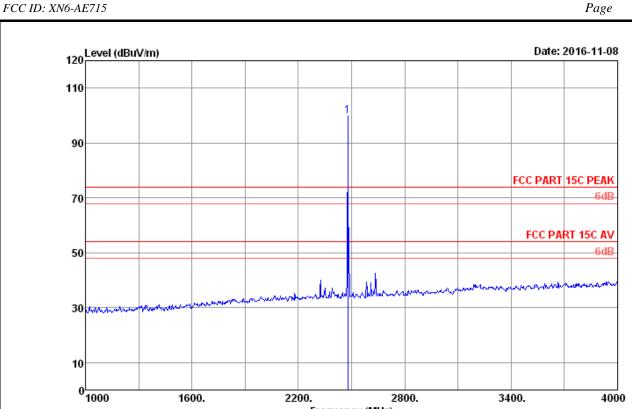
EUT : 23.4*C/52.9% Engineer : zack_zhu
EUT : DELL Wireless 360 Speaker System
Power rating : DC 12V From Adapter Input AC 120V/60Hz
Test Mode : 2480MHz Tx Mode
AE715

No.	Freq. (MHz)	Ant. Factor (dB/m)		Reading (dBuV)		Emission Level (dBuV/m)			Remark
1	2480.00	28.27	8.42	98.27	36.38	98.58	74.00 -	-24.58	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading

-Amp Factor

Page



Frequency (MHz)

2800.

3400.

: 3m Chamber : 3m 2016 MCTD1209 3007 : FCC PART 15C PEAK : 23.4*C/52.9% Engines Site no. Data no. : 16 Dis. / Ant. Limit Ant. pol. : VERTICAL Pre : 104.2kPa

2200.

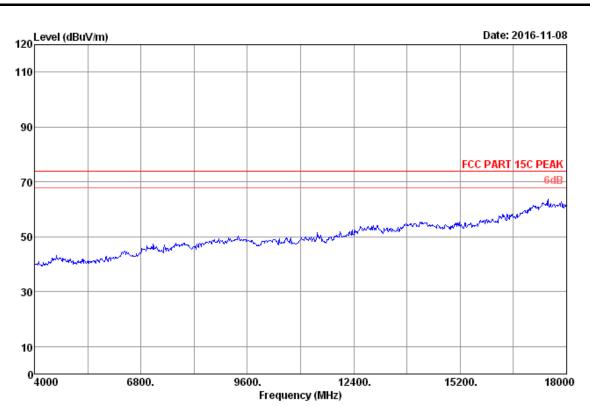
EUT : 23.4*C/52.9% Engineer : zack_zhu
EUT : DELL Wireless 360 Speaker System
Power rating : DC 12V From Adapter Input AC 120V/60Hz
Test Mode : 2480MHz Tx Mode
AE715

1600.

No.	Freq.	Factor		Reading (dBuV)			Limits Margin (dBuV/m) (dB)	Remark
1	2480.00	28.27	8.42	99.47	36.38	99.78	74.00 -25.78	Peak

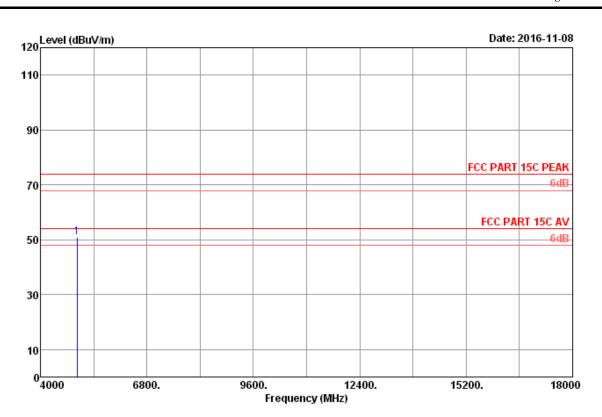
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading

-Amp Factor



Site no. : 3m Chamber Data no. :
Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. :
Limit : FCC PART 15C PEAK Pre :
Env. / Ins. : 23.4*C/52.9% Engineer : zack_zhu
EUT : DELL Wireless 360 Speaker System
Power rating : DC 12V From Adapter Input AC 120V/60Hz
Test Mode : 2480MHz Tx Mode
AE715 Data no. : 17
Ant. pol. : VERTICAL
Pre : 104.2kPa

PageFCC ID: XN6-AE715



Site no. : 3m Chamber Data no. : 18 Dis. / Ant. Limit : 3m 2016 MCTD1209 3007 : FCC PART 15C PEAK : 23.4*C/52.9% Engine Ant. pol. : VERTICAL : 104.2kPa

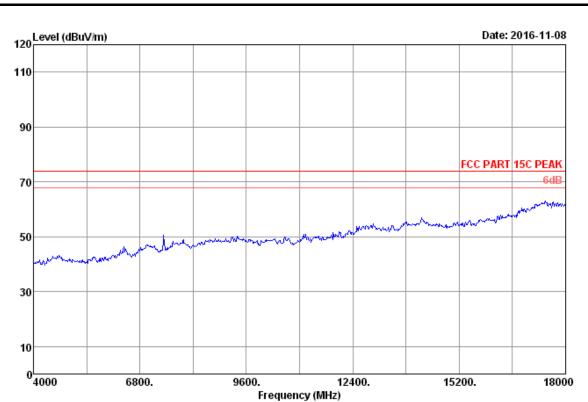
EUT : DELL Wireless 360 Speaker System
Power rating: DC 12V From Adapter Input AC 120V/60Hz
Test Mode: 2480MHz Tx Mode
AE715

AMP Ant. Cable Emission No. Freq. Factor Loss Reading factor Level Limits Margin Remark (MHz) (dB/m)(dB) (dBuV) (dB) (dBuV/m) (dBuV/m) (dB) 4960.00 32.48 11.85 42.24 35.71 50.86 74.00 23.14

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading

-Amp Factor

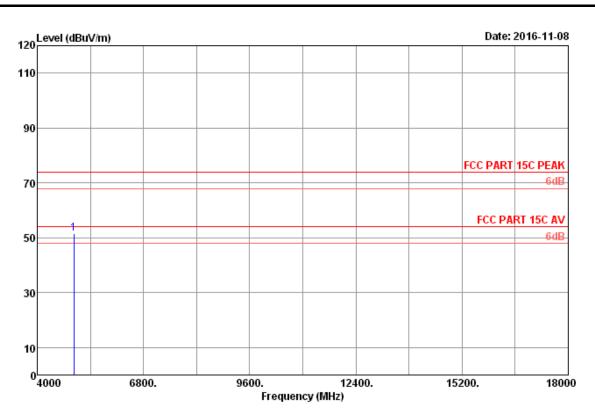
FCC ID: XN6-AE715 Page



Data no. : 19 Ant. pol. : HORIZONTAL Pre : 104.2kPa

Site no. : 3m Chamber Data no. :
Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. :
Limit : FCC PART 15C PEAK Pre :
Env. / Ins. : 23.4*C/52.9% Engineer : zack_zhu
EUT : DELL Wireless 360 Speaker System
Power rating : DC 12V From Adapter Input AC 120V/60Hz
Test Mode : 2480MHz Tx Mode
AE715

FCC ID: XN6-AE715 Page



Data no. : 20

Ant. pol. : HORIZONTAL : 104.2kPa

Site no. : 3m Chamber Data no. :
Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. :
Limit : FCC PART 15C PEAK Pre :
Env. / Ins. : 23.4*C/52.9% Engineer : zack_zhu
EUT : DELL Wireless 360 Speaker System
Power rating : DC 12V From Adapter Input AC 120V/60Hz
Test Mode : 2480MHz Tx Mode
AF715

AE715

No.	Freq.			Reading (dBuV)		Emission Level (dBuV/m)			Remark
1	4960.00	32.48	11.85	42.74	35.71	51.36	74.00	22.64	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading

-Amp Factor

2. The emission levels that are 20dB below the official limit are not reported.

FCC ID: XN6-AE715 Page 5-1

5. CONDUCTED SPURIOUS EMISSIONS

5.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.15,16	1Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.23,16	1 Year
3.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	No.1	Oct.15,16	1 Year

5.2. Limit

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

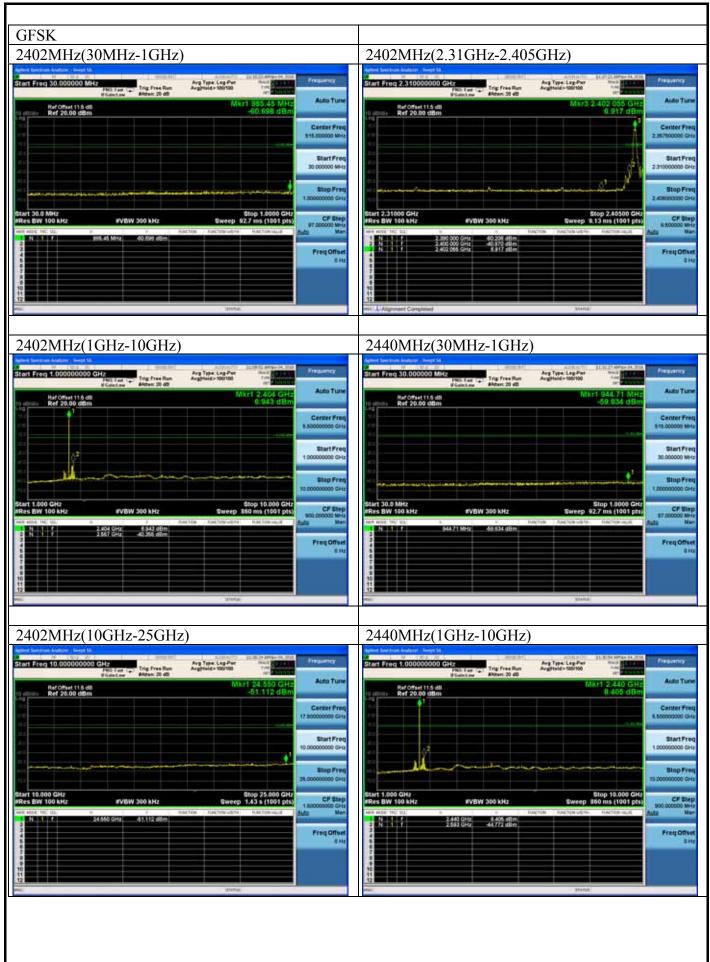
5.3. Test Procedure

The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions With peak detector.

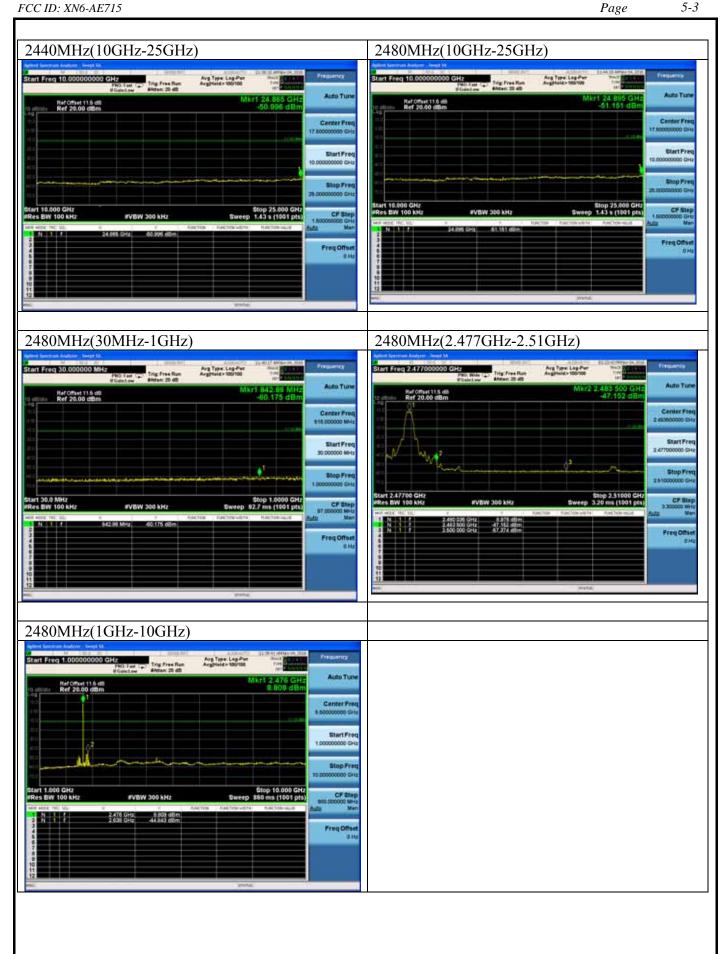
5.4. Test result

PASS (The testing data was attached in the next pages.)

FCC ID: XN6-AE715 Page 5-2



Page



FCC ID: XN6-AE715 Page 6-1

6. 6dB BANDWIDTH TEST

6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.15,16	1Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.23,16	1 Year
3.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	No.1	Oct.15,16	1 Year

6.2. Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz.

6.3. Test Procedure

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300KHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

6.4. Test Results

EUT: DELL Wireless 360 Speaker System						
M/N: AE715						
Test date: 2016-11-04	Pressure: 102.3±1.0 kpa	Humidity: 52.6±3.0%				
Tested by: Leo-Li	Test site: RF site	Temperature:24.1±0.6 °C				

Test Mode	Frequency (MHz)	6 dB bandwidth (kHz)	Limit (KHz)					
	2402	699.8	≥500					
GFSK	2440	693.2	≥500					
	2480	691.9	≥500					
Conclusion: PA	Conclusion: PASS							

FCC ID: XN6-AE715 Page 6-2



FCC ID: XN6-AE715 Page 7-1

7. MAXIMUM PEAK OUTPUT POWER TEST

7.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.15,16	1Year
2.	Power meter	Anritsu	ML2487A	6K00002472	Apr.23,16	1Year
3.	Power sensor	Anritsu	MA2491A	0033005	Apr.23,16	1Year
4.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.23,16	1 Year
5.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	No.1	Oct.15,16	1 Year

7.2. Limit

For systems using digital modulation in the 2400—2483.5MHz, The Peak out put Power shall not exceed 1W(30dBm).

7.3. Test Procedure

Connected the EUT's antenna port to Power Sensor, and use power meter to test peak output power.

7.4. Test Results

EUT: DELL	Wireless 360 Spe	aker Syste	em								
M/N: AE715	M/N: AE715										
Test date: 20)16-11-04	Pressure	: 101.3±1.0 kpa	Hun	nidity: 51.2±3.0%						
Tested by: L	eo-Li	Test site	: RF site	Tem	perature:23.3±0.6 °C						
Test Mode	1 5		Peak output Power (dBm)		Limit (dBm)						
	2402		6.984	6.984							
GFSK	2440		8.657		30						
	2480		8.935		30						
Conclusion:	PASS	·									



FCC ID: XN6-AE715 Page 8-1

8. BAND EDGE COMPLIANCE TEST

8.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	E4446A	US44300459	Apr.24,16	1 Year
2.	Amp	HP	8449B	3008A02495	Apr.24,16	1 Year
3.	Horn Antenna	ETC	MCTD 1209	DRH15F03007	Apr.11,16	1 Year
4.	HF Cable	Hubersuhner	Sucoflex104	274094/4	Apr.24,16	1 Year

8.2. Limit

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

8.3. Test Produce

For upper band emissions that are up to two bandwidths(2MHz) away (2483.5MHz to 2485.5MHz) from the band-edge use below produce:

- 1. Choose a spectrum analyzer span that encompasses both the peak of the fundamental emission and the band-edge emission under investigation. Set the analyzer RBW to 100KHz and with a video bandwidth 300KHz. Record the peak levels of the fundamental emission and the relevant band-edge emission, Observe the stored trace and measure the amplitude delta between the peak of the fundamental and the peak of the band-edge emission. This is not a field strength measurement, it is only a relative measurement to determine the amount by which the emission drops at the band edge relative to the highest fundamental emission level.
- 2. Subtract the delta measured in step (1) from the maximum field strengths measured in clause 4. The resultant field strengths are then used to determine band-edge compliance as required by Section 15.205

For emissions above two bandwidths away from the band-edge use below produce:

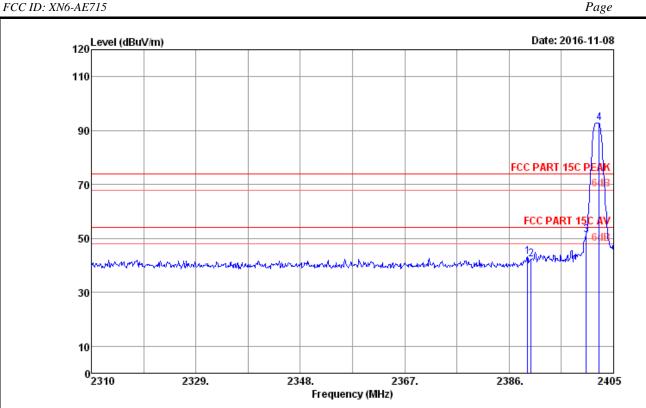
- 1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
- 2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
- 4. Set the spectrum analyzer in the following setting in order to capture the lower and upperband-edges of the emission:
 - (a) PEAK: RBW=1MHz; VBW=3MHz, PK detector, Sweep=AUTO
 - (b) This is pulse Modulation device a duty cycle factor was used to calculate average level based measured peak level.

8.4. Test Results

Pass (The testing data was attached in the next pages.)

Note: If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.

n 0.2



 Site no.
 : 3m Chamber
 Data no.
 : 7

 Dis. / Ant.
 : 3m 2016 MCTD1209 3007
 Ant. pol.
 : VERTICAL

 Limit
 : FCC PART 15C PEAK
 Pre
 : 104.2kPa

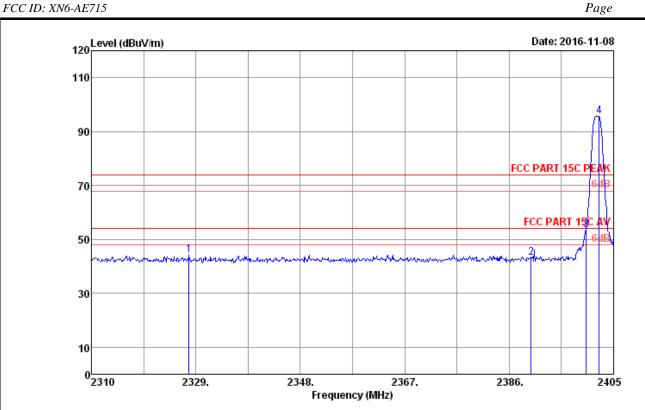
Env. / Ins. : 23.4*C/52.9% Engineer : zack_zhu EUT : DELL Wireless 360 Speaker System Power rating : DC 12V From Adapter Input AC 120V/60Hz

Test Mode : 2402MHz Tx Mode AE715

Cable AMP Ant. Emission No. Freq. Factor Loss Reading factor Level Limits Margin Remark (MHz)(dB/m) (dB) (dBuV) (dB) (dBuV/m) (dBuV/m) (dB) 2389.33 28.12 8.33 30.76 43.18 36.39 43.24 74.00 Peak 28.12 42.37 31.63 22.95 2390.00 8.33 42.31 36.39 74.00 Peak 28.14 8.34 3 2400.00 50.9636.39 51.05 74.00Peak 28.14 2402.34 8.34 92.78 36.39 92.87 74.00-18.87Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor

The emission levels that are 20dB below the official limit are not reported.



Site no. Data no. : 8

: 3m Chamber : 3m 2016 MCTD1209 3007 : FCC PART 15C PEAK : 23.4*C/52.9% Engine Ant. pol. : HORIZONTAL Dis. / Ant. Limit : 104.2kPa

Env. / Ins. Engineer : zack_zhu EUT : DELL Wireless 360 Speaker System

Power rating : DC 12V From Adapter Input AC 120V/60Hz

Test Mode : 2402MHz Tx Mode

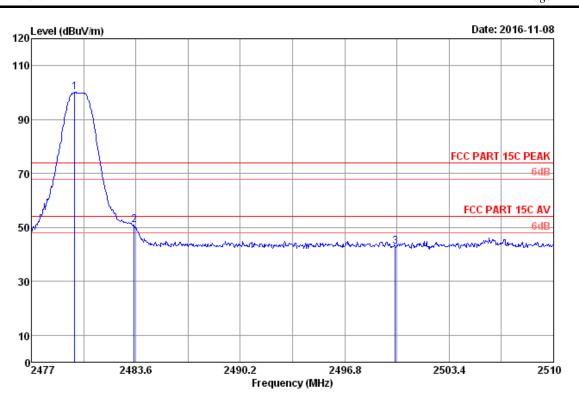
AE715

No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2327.77	28. 02	8.26	44.36	36.39	44.25	74.00	29.75	Peak
2	2390.00	28. 12	8.33	43.01	36.39	43.07	74.00	30.93	Peak
3	2400.00	28. 14	8.34	53.40	36.39	53.49	74.00	20.51	Peak
4	2402.34	28. 14	8.34	95.67	36.39	95.76	74.00	-21.76	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading

-Amp Factor
2. The emission levels that are 20dB below the official limit are not reported.

Page FCC ID: XN6-AE715



: 3m Chamber : 3m 2016 MCTD1209 3007 : FCC PART 15C PEAK : 23.4*C/52.9% Engine Site no. Data no. : 21 Ant. pol. : VERTICAL Dis. / Ant. Limit : 104.2kPa

Env. / Ins. Engineer : zack_zhu EUT : DELL Wireless 360 Speaker System

Power rating : DC 12V From Adapter Input AC 120V/60Hz

Test Mode : 2480MHz Tx Mode

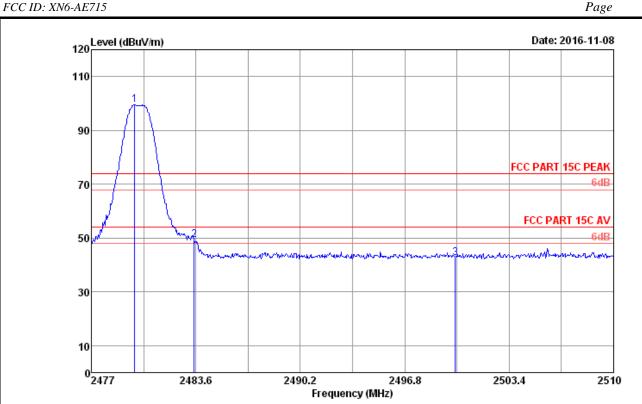
AE715

No.	Freq.	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)		Remark
1	2479.74	28.27	8.42	99.77	36.38	100.08	74.00	26.08	Peak
2	2483.50	28.27	8.42	50.56	36.38	50.87		23.13	Peak
3	2500.00	28.30	8.44	42.47	36.38	42.83		31.17	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading -Amp Factor

2. The emission levels that are 20dB below the official limit are not reported.

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Data no. : 22 Ant. pol. : HORIZONTAL : 104.2kPa

Site no. : 3m Chamber Data no. :
Dis. / Ant. : 3m 2016 MCTD1209 3007 Ant. pol. :
Limit : FCC PART 15C PEAK Pre :
Env. / Ins. : 23.4*C/52.9% Engineer : zack_zhu
EUT : DELL Wireless 360 Speaker System
Power rating : DC 12V From Adapter Input AC 120V/60Hz
Test Mode : 2480MHz Tx Mode
AE715 Engineer : zack_zhu

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	AMP factor (dB)	Emission Level (dBuV/m)		Margin (dB)	Remark
1	2479.74	28.27	8.42	99.10	36.38	99.41	74.00	-25.41	Peak
2	2483.50	28.27	8.42	49.08	36.38	49.39	74.00	24.61	Peak
3	2500.00	28.30	8.44	42.08	36.38	42.44	74.00	31.56	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading

-Amp Factor The emission levels that are 20dB below the official limit are not reported. FCC ID: XN6-AE715 Page 9-1

9. POWER SPECTRAL DENSITY TEST

9.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.15,16	1Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.23,16	1 Year
3.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	No.1	Oct.15,16	1 Year

9.2. Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

9.3. Test Procedure

- 1. Connected the EUT's antenna port to spectrum analyzer device by 20dB attenuator.
- 2. Set the test frequency as center frequency, Set RBW=3KHz,VBW=10KHz,Span large enough capture the entire frequency, Read out maximum peak level frequency
- 3. Set the span to 1.5 times of the DTS Bandwidth Detector= Peak; Sweep time= Auto Couple; Trace Mode= Max hold.
- 4. Allow trace to fully stabilize use the peak marker function to determine the maximum amplitude level within the RBW.

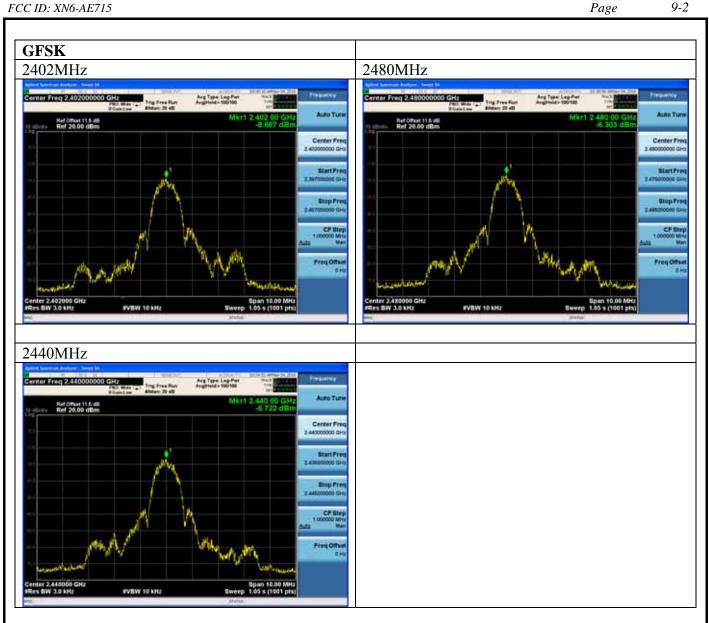
Note: The cable loss and attenuator loss were offset into measure device as an amplitude

9.4. Test Results

EUT: DELL Wireless 360 Speaker System				
M/N: AE715				
Test date: 2016-11-04	Pressure: 102.3±1.0 kpa	Humidity: 53.9±3.0%		
Tested by: Leo_Li	Test site: RF site	Temperature:24.1±0.6 ℃		

Test Mode	Frequency (MHz)	Power density (dBm/3KHz)	Limit (dBm/3KHz)
GFSK	2402	-8.667	8
	2440	-6.722	8
	2480	-6.303	8
Conclusion: P.	ASS		

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10.ANTENNA REQUIREMENT

10.1. STANDARD APPLICABLE

For intentional device, according to FCC 47 CFR Section 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 FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

10.2. ANTENNA CONNECTED CONSTRUCTION

The antennas used for this product are PCB Print antenna that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 0dBi



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11. DEVIATION TO TEST SPECIFICATIONS		
[NONE]		