FCC RF Test Report

(2.4G Wi-Fi)

Applicant:	Shenzhen Earchon Bio-Technique Co., Ltd.
Address of Applicant:	No.1702, Building A, No.9 Furong Road, Tangtou Community, Songgang Town, Bao'an District, Shenzhen.
Equipment Under Test (EUT)	
Product Name:	Smart Visual Ear Cleaner
Model No.:	YCCEQ
Trade Mark:	Earchon
FCC ID:	2BB6VYCCEQ
Applicable Standards:	FCC CFR Title 47 Part 15C (§15.247)
Date of Sample Receipt:	07 Aug., 2023
Date of Test:	08 Aug., to 21 Aug., 2023
Date of Report Issued:	22 Aug., 2023
Test Result:	PASS

Tested by:	Logan Li ***Test Engineer***	***Date:***	*22 Aug., 2023*
Reviewed by:	Janet Wang ***Project Engineer***	***Date:***	*22 Aug., 2023*
Approved by:	Marc Zhang ***Manager***	***Date:***	*22 Aug., 2023*

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 above the application standard version. Test results reported herein relate only to the item(s) tested.

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1 Version

Version No.	Date	Description
00	*22 Aug., 2023*	*Original*

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3 General Information

3.1 Client Information

Applicant:	Shenzhen Earchon Bio-Technique Co., Ltd.
Address:	No.1702, Building A, No.9 Furong Road, Tangtou Community, Songgang Town, Bao'an District, Shenzhen.
Manufacturer/Factory:	Shenzhen Earchon Bio-Technique Co., Ltd.
Address:	No.1702, Building A, No.9 Furong Road, Tangtou Community, Songgang Town, Bao'an District, Shenzhen.

3.2 General Description of E.U.T.

Product Name:	Smart Visual Ear Cleaner
Model No.:	YCCEQ
Operation Frequency:	2412 MHz - 2462 MHz (802.11b, g, n-HT20)
	2422 MHz - 2452 MHz (802.11n-HT40)
Channel Numbers:	11 (802.11b, g, n-HT20)
	7 (802.11n-HT40)
Channel Separation:	5MHz
Modulation Technology: (IEEE 802.11b)	DSSS-DBPSK, DQPSK, CCK
Modulation Technology: (IEEE 802.11g/802.11n)	OFDM-BPSK, QPSK, 16QAM, 64QAM
Antenna Type:	Internal Antenna
Antenna Gain:	2.0 dBi (declare by applicant)
Antenna Transmit Mode:	SISO (1TX, 1RX)
Power Supply:	Rechargeable Li-ion Battery DC3.7V, 230mAh
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

3.3 Test Mode and Environment

Test Mode:	
Transmitting mode:	Keep the EUT in continuous transmitting with modulation

Per-scan all kind of data rate, the follow list were the worst case:

Mode	Data rate
802.11b	1Mbps
802.11g	6Mbps
802.11n-HT20	6.5Mbps
802.11n-HT40	13.5Mbps

Remark:

1. *For AC power line conducted emission and radiated spurious emission (below 1GHz), pre-scan 802.11b, g, n modulation mode, found 802.11b modulation mode was worse case mode. The report only reflects the test data of worst mode.*
2. *Channel Low, Mid and High for each type band with rated data rate were chosen for full testing. The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for these modes. Just the worst case position (H mode) shown in report.*

Operating Environment:	
Temperature:	15℃ ~ 35℃
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar

3.4 Description of Test Auxiliary Equipment

The EUT has been tested as an independent unit.

3.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Conducted Emission for LISN (9kHz ~ 10MHz)	1.9 dB
Conducted Emission for LISN (10MHz ~ 30MHz)	2.6 dB
Radiated Emission (30MHz ~ 1GHz) (3m FAR)	3.43 dB
Radiated Emission (1GHz ~ 6GHz) (3m FAR)	4.95 dB
Radiated Emission (6GHz ~ 18GHz) (3m FAR)	5.23 dB
Radiated Emission (18GHz ~ 40GHz) (3m FAR)	5.32 dB
Radiated Emission (30MHz ~ 1GHz) (10m SAC)	3.7 dB

Note: *All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.*

3.6 Additions to, Deviations, or Exclusions from the Method

No

3.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

- **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

- **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

- **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

3.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.
Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.
Tel: +86-755-23118282, Fax: +86-755-23116366
Email: info-JYTee@lets.com, Website: http://jyt.lets.com

3.9 Test Instruments List

Radiated Emission(3m FAR):					
Test Equipment	**Manufacturer**	**Model No.**	**Manage No.**	**Cal. Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
3m FAR	YUNYI	9m*6m*6m	WXJ097	06-15-2023	06-14-2028
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ097-2	07-13-2023	07-12-2024
Biconical Antenna	Schwarzbeck	VUBA9117	WXJ002-1	07-02-2021	07-01-2024
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ097-3	07-14-2023	07-13-2024
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-3	01-09-2023	01-08-2024
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-5	01-09-2023	01-08-2024
Horn Antenna	Schwarzbeck	BBHA9170	WXJ002-6	01-09-2023	01-08-2024
Pre-amplifier (30MHz ~ 1GHz)	YUNYI	PAM-310N	WXJ097-5	05-14-2023	05-13-2024
Pre-amplifier (1GHz ~ 18GHz)	YUNYI	PAM-118N	WXJ097-6	05-14-2023	05-13-2024
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXJ002-7	01-11-2023	01-10-2024
EMI Test Receiver	Rohde & Schwarz	ESCI3	WXJ003	01-10-2023	01-09-2024
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	01-10-2023	01-09-2024
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ081-1	06-13-2023	06-12-2024
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-13M	WXG097-1	08-01-2023	07-31-2024
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG097-2	08-01-2023	07-31-2024
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG097-3	08-01-2023	07-31-2024
High Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Low Band Reject Filter Group	Tonscend	JS0806-F	WXJ097-4	N/A	
Test Software	Tonscend	TS+	Version: 5.0.0		

Radiated Emission(10m SAC):					
Test Equipment	**Manufacturer**	**Model No.**	**Manage No.**	**Cal. Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
10m SAC	ETS	RFSD-100-F/A	WXJ090	04-28-2021	04-27-2024
BiConiLog Antenna	SCHWARZBECK	VULB 9168	WXJ090-1	01-17-2023	01-16-2024
BiConiLog Antenna	SCHWARZBECK	VULB 9168	WXJ090-2	01-10-2023	01-09-2024
EMI Test Receiver	R&S	ESR 3	WXJ090-3	01-10-2023	01-09-2024
EMI Test Receiver	R&S	ESR 3	WXJ090-4	01-11-2023	01-09-2024
Low Pre-amplifier	Bost	LNA 0920N	WXJ090-6	01-10-2023	01-09-2024
Low Pre-amplifier	Bost	LNA 0920N	WXJ090-7	01-10-2023	01-09-2024
Cable	Bost	JYT10M-1G-NN-10M	WXG002-7	01-18-2023	01-17-2024
Cable	Bost	JYT10M-1G-NN-10M	WXG002-8	01-18-2023	01-17-2024
Test Software	R&S	EMC32	Version: 10.50.40		

Conducted Emission:					
Test Equipment	**Manufacturer**	**Model No.**	**Manage No.**	**Cal. Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
EMI Test Receiver	Rohde & Schwarz	ESR3	WXJ003-2	07-03-2023	07-04-2024

LISN	Schwarzbeck	NSLK 8127	QCJ001-13	01-10-2023	01-09-2024
LISN	Rohde & Schwarz	ESH3-Z5	WXJ005-1	01-11-2023	01-10-2024
LISN Coaxial Cable (9kHz ~ 30MHz)	JYTSZ	JYTCE-1G-NN-2M	WXG003-1	02-22-2023	02-21-2024
RF Switch	TOP PRECISION	RSU0301	WXG003	N/A	
Test Software	AUDIX	E3	Version: 6.110919b		

Conducted Method:					
Test Equipment	**Manufacturer**	**Model No.**	**Manage No.**	**Cal. Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
Spectrum Analyzer	Keysight	N9010B	WXJ004-3	10-17-2022	10-16-2023
Temperature Humidity Chamber	ZHONG ZHI	CZ-A-80D	WXJ032-3	01-09-2023	01-08-2025
Power Detector Box	MWRFTEST	MW100-PSB	WXJ007-4	10-17-2022	10-16-2023
DC Power Supply	Keysight	E3642A	WXJ025-2	N/A	
RF Control Unit	MWRFTEST	MW100-RFCB	WXG006	N/A	
Test Software	MWRFTEST	MTS 8310	Version: 2.0.0.0		

4 Measurement Setup and Procedure

4.1 Test Channel

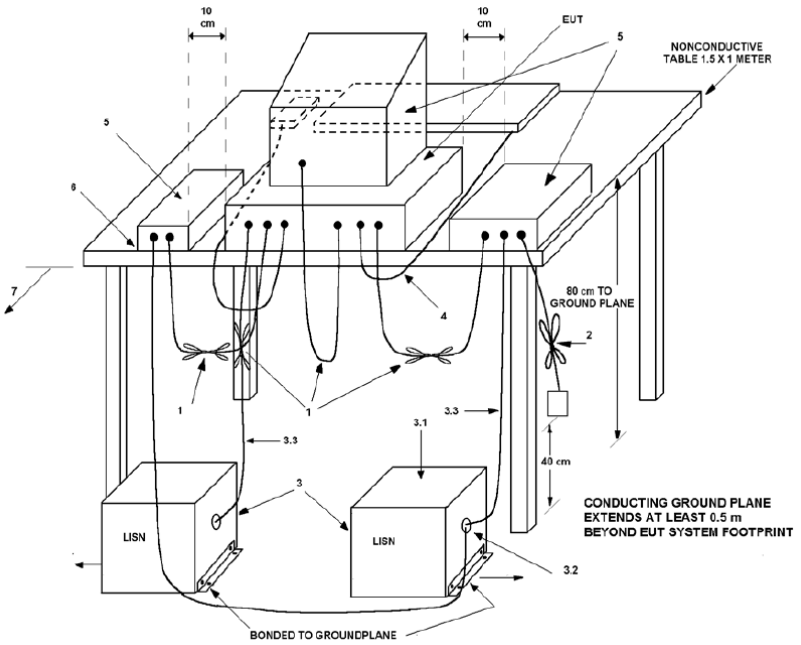
According to ANSI C63.10-2013 chapter 5.6.1 Table 4 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:

802.11b, 802.11g, 802.11n-HT20					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2412	6	2437	11	2462

802.11n-HT40					
Lowest channel		Middle channel		Highest channel	
Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
3	2422	6	2437	9	2452

4.2 Test Setup

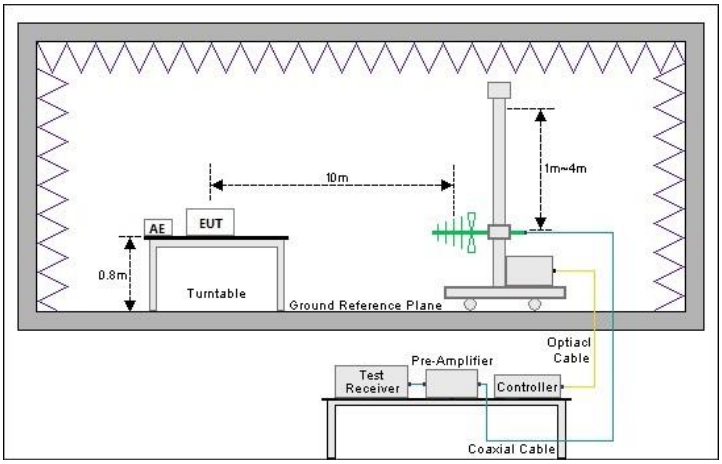
1) Conducted emission measurement:



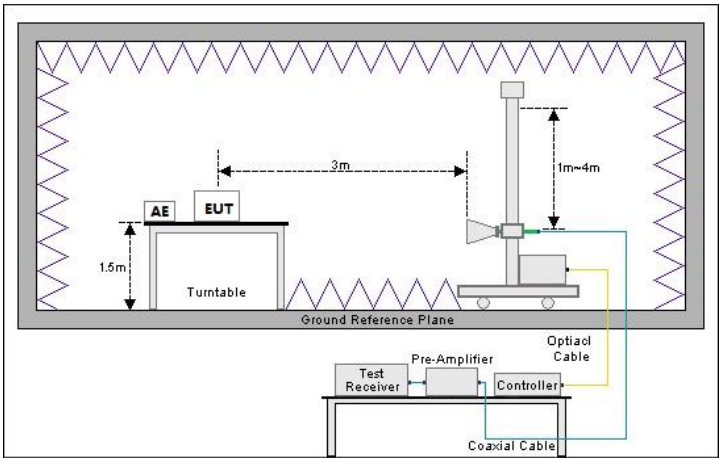
Note: The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

2) Radiated emission measurement:

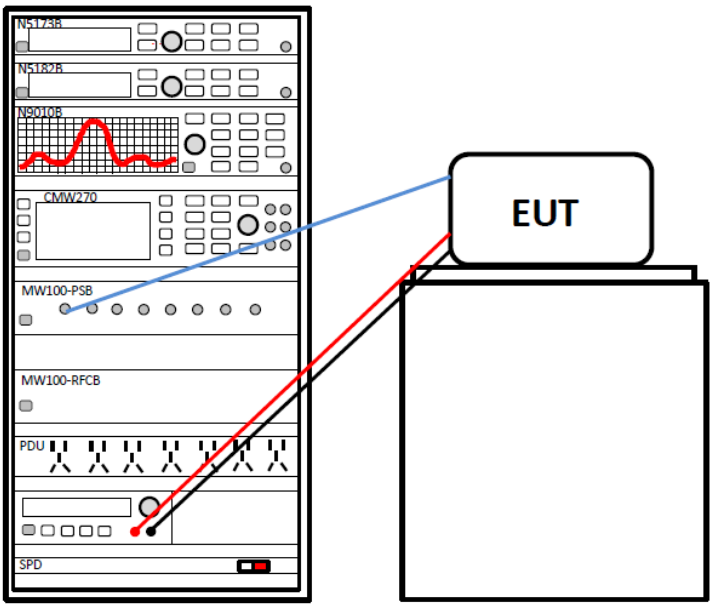
Below 1GHz (10m SAC)



Above 1GHz (3m FAR)



3) Conducted test method



4.3 Test Procedure

Test method	Test step
Conducted emission	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.
Radiated emission	**For below 1GHz:** 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 10 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 10 m. 2. EUT works in each mode of operation that needs to be tested，and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data. **For above 1GHz:** 1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested，and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.
Conducted test method	1. The Wi-Fi antenna port of EUT was connected to the test port of the test system through an RF cable. 2. The EUT is keeping in continuous transmission mode and tested in all modulation modes. 3. Open the test software, prepare a test plan, and control the system through the software. After the test is completed, the test report is exported through the test software.

5 Test Results

5.1 Summary

5.1.1 Clause and Data Summary

Test items	Standard clause	Test data	Result
Antenna Requirement	15.203 15.247 (b)(4)	See Section 5.2	Pass
AC Power Line Conducted Emission	15.207	See Section 5.3	Pass
Duty Cycle	ANSI C63.10-2013	Appendix A– 2.4G Wi-Fi	Pass
Conducted Output Power	15.247 (b)(3)	Appendix A– 2.4G Wi-Fi	Pass
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Appendix A– 2.4G Wi-Fi	Pass
Power Spectral Density	15.247 (e)	Appendix A– 2.4G Wi-Fi	Pass
Band-edge Emission Conduction Spurious Emission	15.247 (d)	Appendix A– 2.4G Wi-Fi	Pass
Emissions in Restricted Frequency Bands	15.205 15.247 (d)	See Section 5.4	Pass
Emissions in Non-restricted Frequency Bands	15.209 15.247(d)	See Section 5.5	Pass

Remark:

1. *Pass: The EUT complies with the essential requirements in the standard.*
2. *N/A: Not Applicable.*
3. *The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer).*

Test Method:	*ANSI C63.10-2013* *KDB 558074 D01 15.247 Meas Guidance v05r02*

5.1.2 Test Limit

<table>
<tr><th>Test items</th><th>Limit</th></tr>
<tr><td>AC Power Line Conducted Emission</td><td>
<table>
<tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBμV)</th></tr>
<tr><th>Quasi-Peak</th><th>Average</th></tr>
<tr><td>0.15 – 0.5</td><td>66 to 56 Note 1</td><td>56 to 46 Note 1</td></tr>
<tr><td>0.5 – 5</td><td>56</td><td>46</td></tr>
<tr><td>5 – 30</td><td>60</td><td>50</td></tr>
<tr><td colspan="3">Note 1: The limit level in dBμV decreases linearly with the logarithm of frequency.
Note 2: The more stringent limit applies at transition frequencies.</td></tr>
</table>
</td></tr>
<tr><td>Conducted Output Power</td><td>For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt.</td></tr>
<tr><td>6dB Emission Bandwidth</td><td>The minimum 6 dB bandwidth shall be at least 500 kHz.</td></tr>
<tr><td>99% Occupied Bandwidth</td><td>N/A</td></tr>
<tr><td>Power Spectral Density</td><td>For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.</td></tr>
<tr><td>Band-edge Emission

Conduction Spurious Emission</td><td>In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).</td></tr>
<tr><td>Emissions in Restricted Frequency Bands

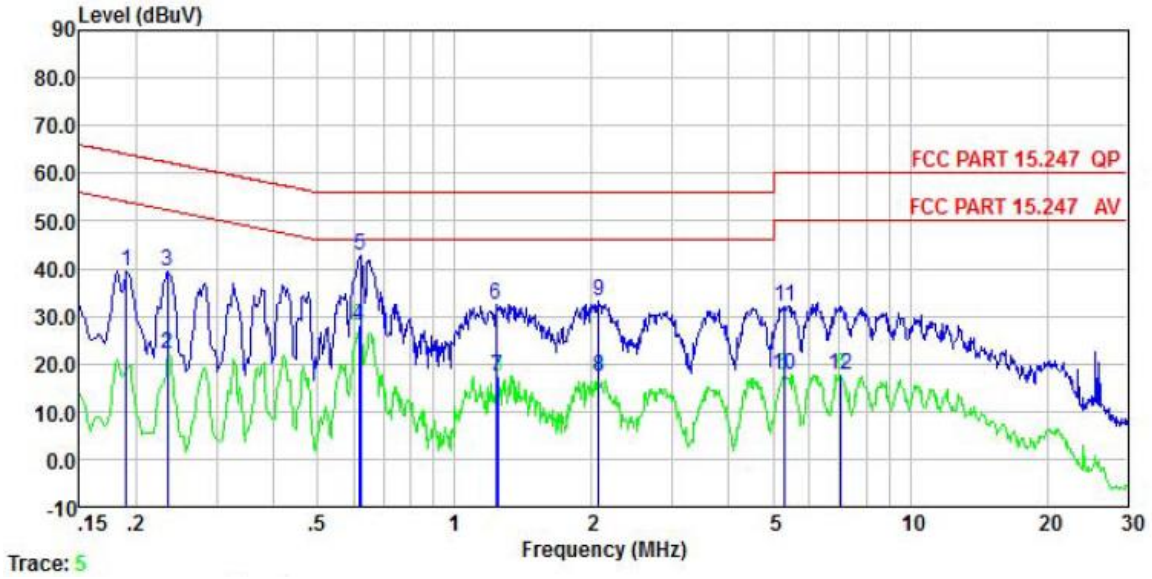
Emissions in Non-restricted Frequency Bands</td><td>
<table>
<tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBμV/m)</th><th rowspan="2">Detector</th></tr>
<tr><th>@ 3m</th><th>@ 10m</th></tr>
<tr><td>30 – 88</td><td>40.0</td><td>30.0</td><td>Quasi-peak</td></tr>
<tr><td>88 – 216</td><td>43.5</td><td>33.5</td><td>Quasi-peak</td></tr>
<tr><td>216 – 960</td><td>46.0</td><td>36.0</td><td>Quasi-peak</td></tr>
<tr><td>960 – 1000</td><td>54.0</td><td>44.0</td><td>Quasi-peak</td></tr>
<tr><td colspan="4">Note: The more stringent limit applies at transition frequencies.</td></tr>
<tr><th rowspan="2">Frequency</th><th colspan="2">Limit (dBμV/m) @ 3m</th><th></th></tr>
<tr><th>Average</th><th>Peake</th><th></th></tr>
<tr><td>Above 1 GHz</td><td colspan="2">54.0</td><td>74.0</td></tr>
<tr><td colspan="4">Note: The measurement bandwidth shall be 1 MHz or greater.</td></tr>
</table>
</td></tr>
</table>

5.2 Antenna Requirement

Standard Requirement:	FCC Part 15 C Section 15.203/15.247 (b)(4)
15.203 requirement: 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. **15.247 (b)(4) requirement:** The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.	
E.U.T Antenna:	
The Wi-Fi antenna is an internal antenna which cannot replace by end-user, the best case gain of the antenna is 2.0 dBi. See product internal photos for details.	

5.3 AC Power Line Conducted Emission

Product name:	Smart Visual Ear Cleaner	Product model:	YCCEQ
Test by:	Logan	Test mode:	2.4G Wi-Fi mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz		

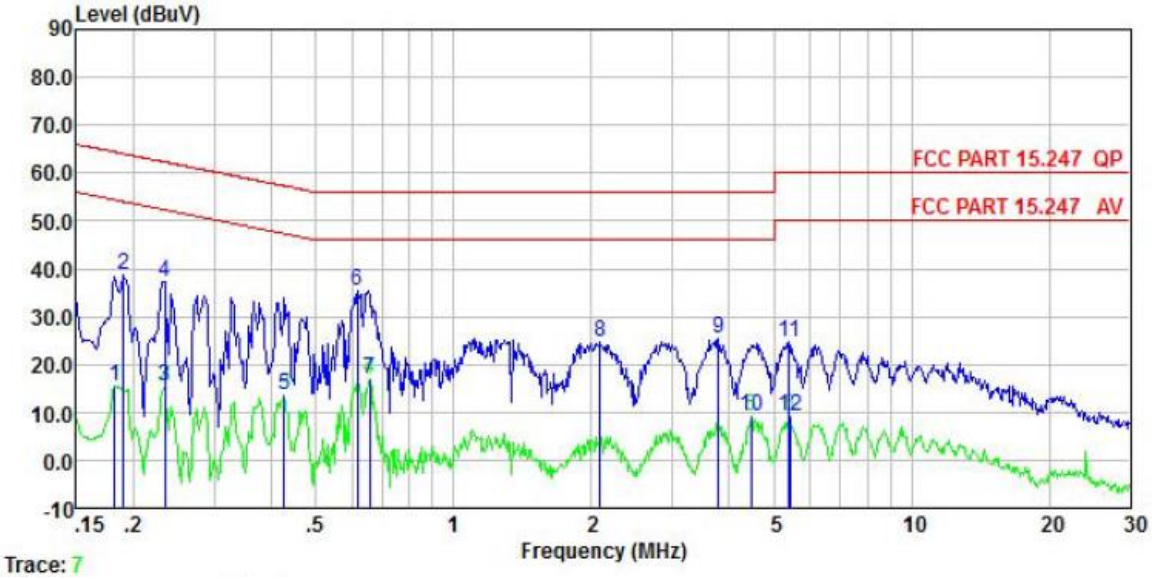


	Freq	Read Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.190	28.76	0.05	10.50	0.03	39.34	64.02	-24.68	QP
2	0.234	11.50	0.05	10.50	0.02	22.07	52.30	-30.23	Average
3	0.234	28.71	0.05	10.50	0.02	39.28	62.30	-23.02	QP
4	0.617	17.58	0.06	10.50	0.02	28.16	46.00	-17.84	Average
5	0.621	32.32	0.06	10.50	0.02	42.90	56.00	-13.10	QP
6	1.229	21.74	0.07	10.50	0.10	32.41	56.00	-23.59	QP
7	1.242	6.80	0.07	10.50	0.10	17.47	46.00	-28.53	Average
8	2.066	6.47	0.08	10.50	0.20	17.25	46.00	-28.75	Average
9	2.066	22.52	0.08	10.50	0.20	33.30	56.00	-22.70	QP
10	5.277	7.12	0.13	10.50	0.09	17.84	50.00	-32.16	Average
11	5.305	21.34	0.13	10.50	0.09	32.06	60.00	-27.94	QP
12	7.062	7.04	0.17	10.50	0.10	17.81	50.00	-32.19	Average

Remark:

1. Level = Read level + LISN Factor + Cable Loss.

Product name:	Smart Visual Ear Cleaner	Product model:	YCCEQ
Test by:	Logan	Test mode:	2.4G Wi-Fi mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz		



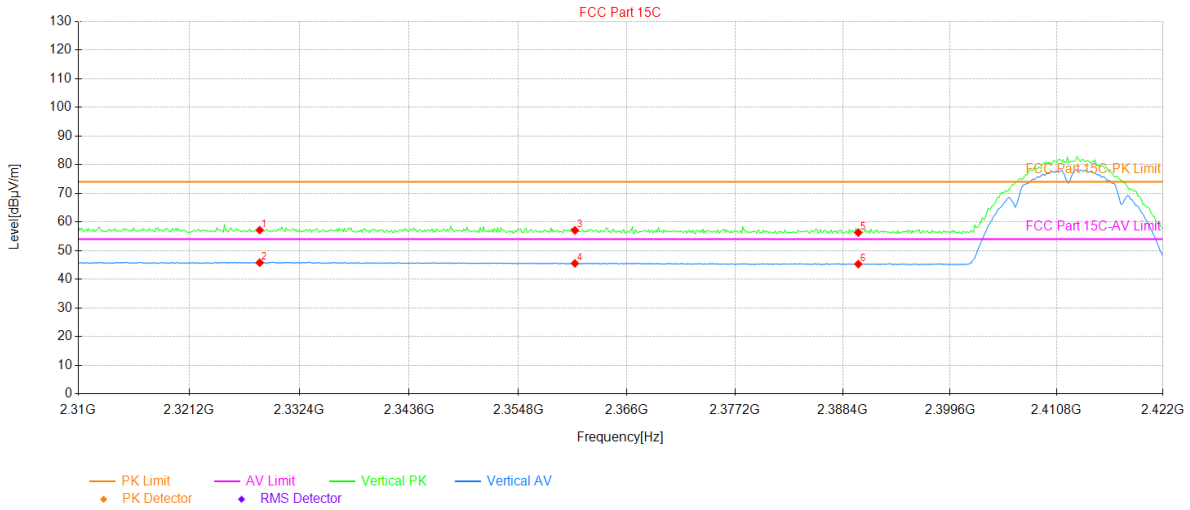
	Freq	Read Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.182	5.08	0.05	10.50	0.01	15.64	54.42	-38.78	Average
2	0.190	28.02	0.05	10.50	0.03	38.60	64.02	-25.42	QP
3	0.234	4.88	0.05	10.50	0.02	15.45	52.30	-36.85	Average
4	0.234	26.70	0.05	10.50	0.02	37.27	62.30	-25.03	QP
5	0.426	3.21	0.04	10.50	0.03	13.78	47.33	-33.55	Average
6	0.617	24.99	0.05	10.50	0.02	35.56	56.00	-20.44	QP
7	0.654	6.47	0.06	10.50	0.03	17.06	46.00	-28.94	Average
8	2.088	13.84	0.07	10.50	0.20	24.61	56.00	-31.39	QP
9	3.779	14.78	0.10	10.50	0.08	25.46	56.00	-30.54	QP
10	4.454	-1.51	0.11	10.50	0.08	9.18	46.00	-36.82	Average
11	5.390	13.89	0.12	10.50	0.09	24.60	60.00	-35.40	QP
12	5.419	-1.58	0.12	10.50	0.09	9.13	50.00	-40.87	Average

Remark:

1. Level = Read level + LISN Factor + Cable Loss.

5.4 Emissions in Restricted Frequency Bands

Product Name:	Smart Visual Ear Cleaner	Product Model:	YCCEQ
Test By:	Logan	Test mode:	802.11b Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		

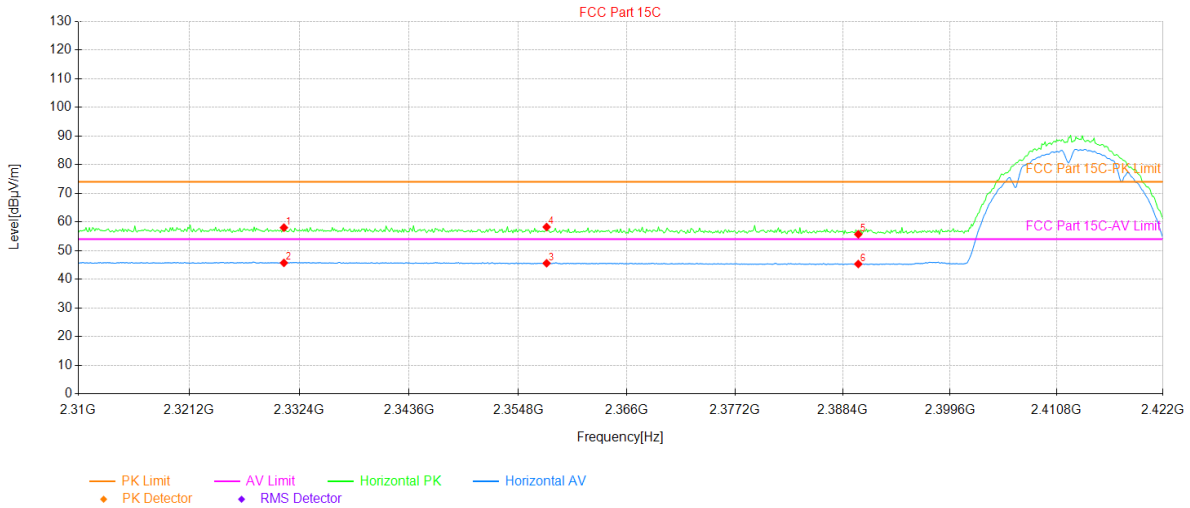


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2328.37	22.93	34.20	57.13	74.00	16.87	150	352	Vertical
2	2328.37	11.57	34.20	45.77	54.00	8.23	150	340	Vertical
3	2360.62	22.86	34.19	57.05	74.00	16.95	150	106	Vertical
4	2360.62	11.33	34.19	45.52	54.00	8.48	150	106	Vertical
5	2390.00	22.11	34.13	56.24	74.00	17.76	150	325	Vertical
6	2390.00	11.14	34.13	45.27	54.00	8.73	150	163	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Visual Ear Cleaner	Product Model:	YCCEQ
Test By:	Logan	Test mode:	802.11b Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		

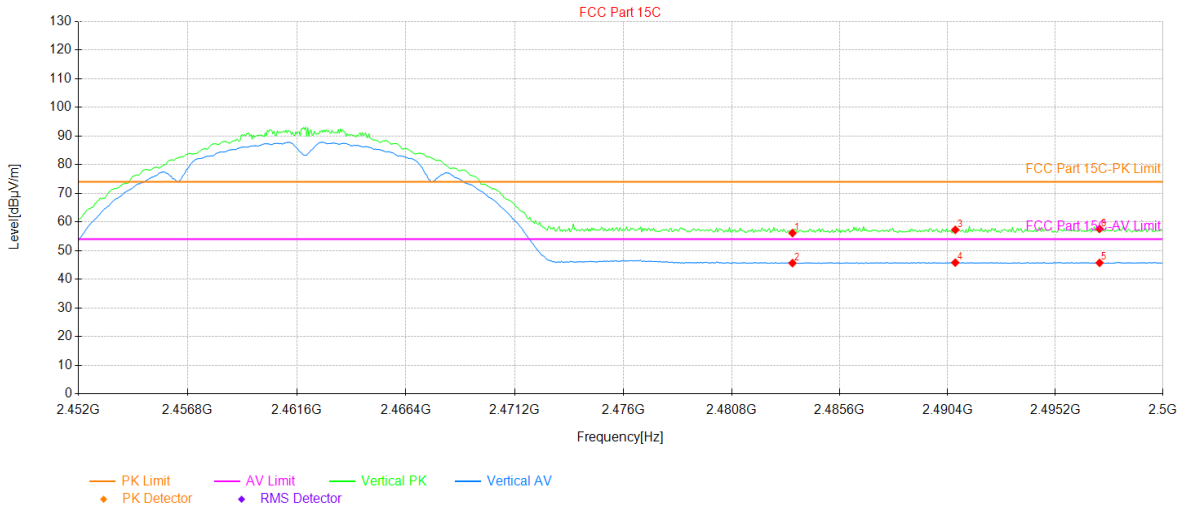


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2330.83	23.78	34.22	58.00	74.00	16.00	150	114	Horizontal
2	2330.83	11.47	34.22	45.69	54.00	8.31	150	242	Horizontal
3	2357.71	11.35	34.21	45.56	54.00	8.44	150	326	Horizontal
4	2357.71	24.00	34.21	58.21	74.00	15.79	150	8	Horizontal
5	2390.00	21.54	34.13	55.67	74.00	18.33	150	11	Horizontal
6	2390.00	11.17	34.13	45.30	54.00	8.70	150	257	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Visual Ear Cleaner	**Product Model:**	YCCEQ
Test By:	Logan	**Test mode:**	802.11b Tx mode
Test Channel:	Highest channel	**Polarization:**	Vertical
Test Voltage:	AC 120/60Hz		



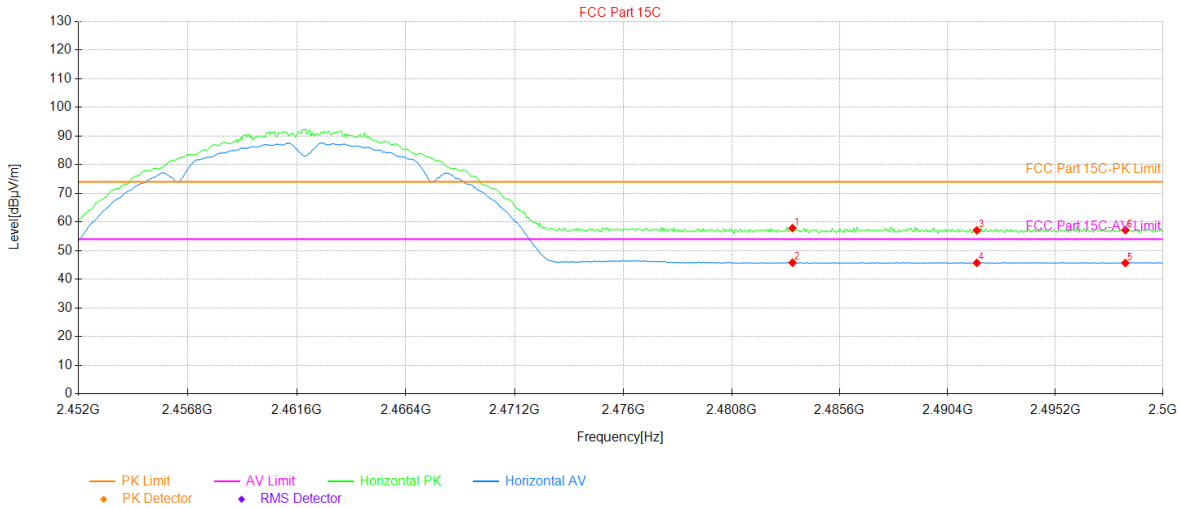
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2483.50	21.60	34.51	56.11	74.00	17.89	150	261	Vertical
2	2483.50	11.10	34.51	45.61	54.00	8.39	150	79	Vertical
3	2490.74	22.71	34.52	57.23	74.00	16.77	150	359	Vertical
4	2490.74	11.28	34.52	45.80	54.00	8.20	150	57	Vertical
5	2497.17	11.20	34.52	45.72	54.00	8.28	150	343	Vertical
6	2497.17	23.03	34.52	57.55	74.00	16.45	150	123	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Visual Ear Cleaner	Product Model:	YCCEQ
Test By:	Logan	Test mode:	802.11b Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



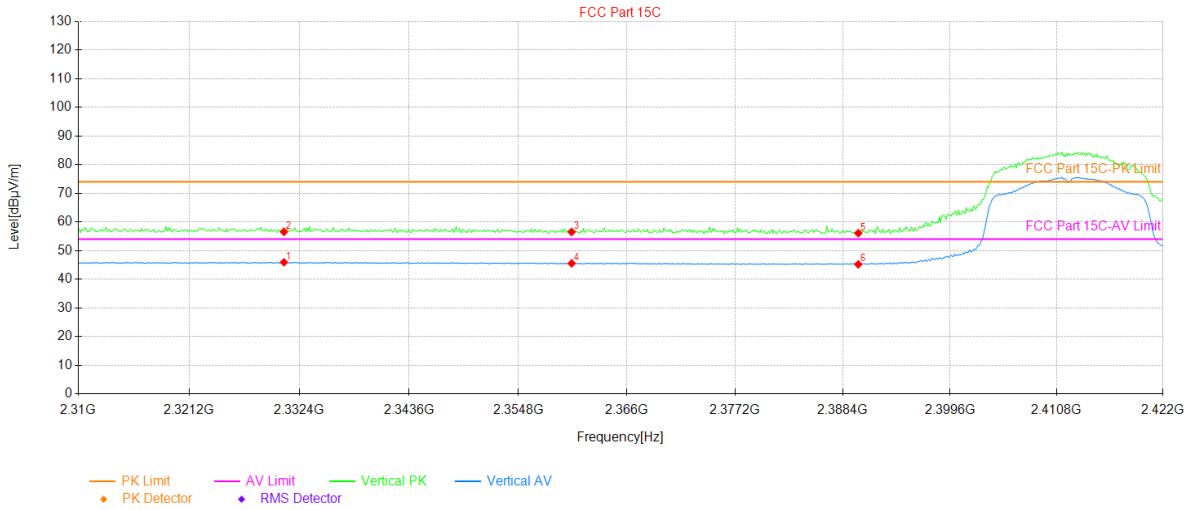
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2483.50	23.31	34.51	57.82	74.00	16.18	150	147	Horizontal
2	2483.50	11.24	34.51	45.75	54.00	8.25	150	322	Horizontal
3	2491.70	22.53	34.52	57.05	74.00	16.95	150	24	Horizontal
4	2491.70	11.18	34.52	45.70	54.00	8.30	150	87	Horizontal
5	2498.32	11.13	34.53	45.66	54.00	8.34	150	24	Horizontal
6	2498.32	22.59	34.53	57.12	74.00	16.88	150	307	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Visual Ear Cleaner	**Product Model:**	YCCEQ
Test By:	Logan	**Test mode:**	802.11g Tx mode
Test Channel:	Lowest channel	**Polarization:**	Vertical
Test Voltage:	AC 120/60Hz		

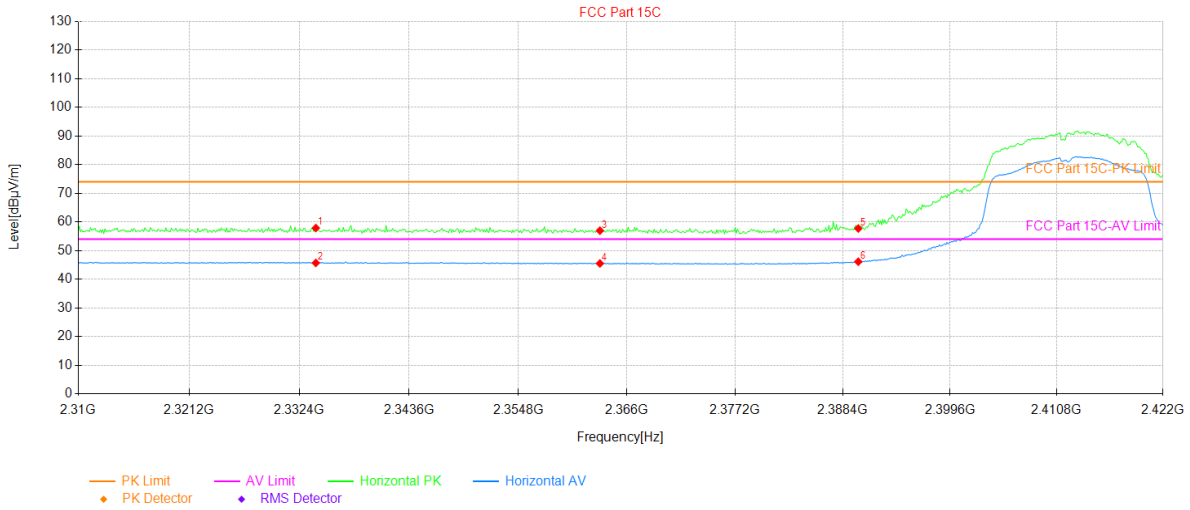


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2330.83	11.69	34.22	45.91	54.00	8.09	150	233	Vertical
2	2330.83	22.33	34.22	56.55	74.00	17.45	150	356	Vertical
3	2360.29	22.30	34.19	56.49	74.00	17.51	150	203	Vertical
4	2360.29	11.34	34.19	45.53	54.00	8.47	150	58	Vertical
5	2390.00	21.94	34.13	56.07	74.00	17.93	150	292	Vertical
6	2390.00	11.05	34.13	45.18	54.00	8.82	150	292	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Visual Ear Cleaner	Product Model:	YCCEQ
Test By:	Logan	Test mode:	802.11g Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



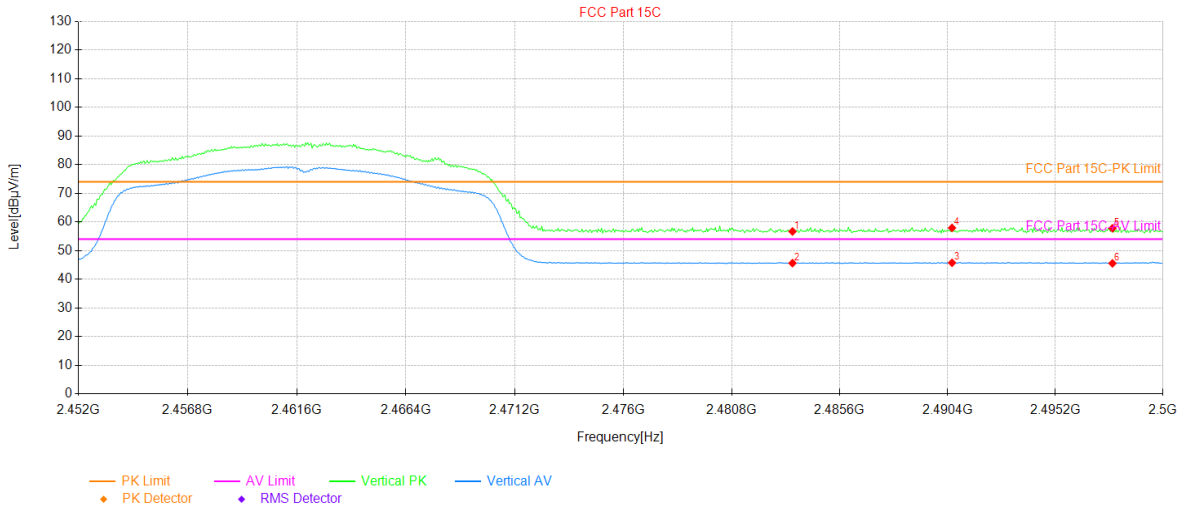
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2334.08	23.64	34.22	57.86	74.00	16.14	150	328	Horizontal
2	2334.08	11.47	34.22	45.69	54.00	8.31	150	109	Horizontal
3	2363.20	22.75	34.19	56.94	74.00	17.06	150	19	Horizontal
4	2363.20	11.31	34.19	45.50	54.00	8.50	150	228	Horizontal
5	2390.00	23.58	34.13	57.71	74.00	16.29	150	202	Horizontal
6	2390.00	11.98	34.13	46.11	54.00	7.89	150	354	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Visual Ear Cleaner	Product Model:	YCCEQ
Test By:	Logan	Test mode:	802.11g Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		

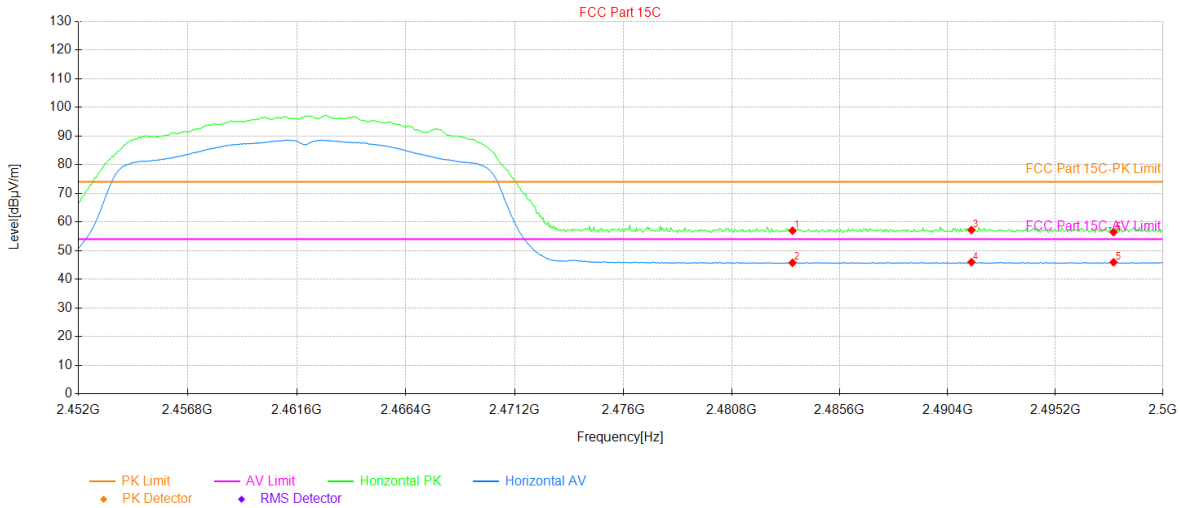


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2483.50	22.14	34.51	56.65	74.00	17.35	150	64	Vertical
2	2483.50	11.11	34.51	45.62	54.00	8.38	150	212	Vertical
3	2490.59	11.22	34.52	45.74	54.00	8.26	150	175	Vertical
4	2490.59	23.38	34.52	57.90	74.00	16.10	150	64	Vertical
5	2497.74	23.25	34.53	57.78	74.00	16.22	150	253	Vertical
6	2497.74	11.00	34.53	45.53	54.00	8.47	150	335	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Visual Ear Cleaner	Product Model:	YCCEQ
Test By:	Logan	Test mode:	802.11g Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



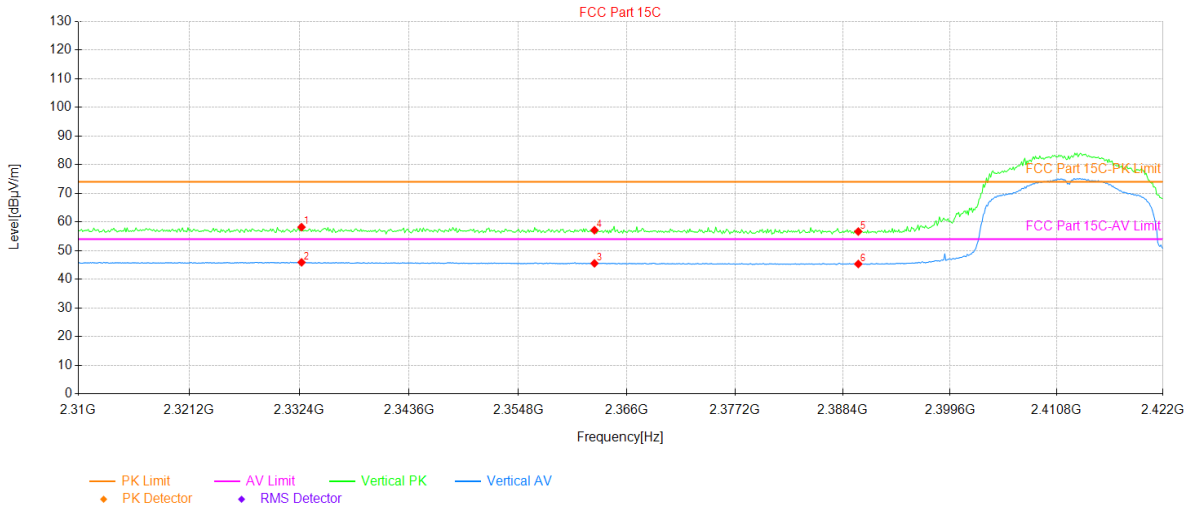
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2483.50	22.41	34.51	56.92	74.00	17.08	150	110	Horizontal
2	2483.50	11.21	34.51	45.72	54.00	8.28	150	53	Horizontal
3	2491.46	22.63	34.52	57.15	74.00	16.85	150	1	Horizontal
4	2491.46	11.44	34.52	45.96	54.00	8.04	150	177	Horizontal
5	2497.79	11.39	34.53	45.92	54.00	8.08	150	136	Horizontal
6	2497.79	21.86	34.53	56.39	74.00	17.61	150	46	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Visual Ear Cleaner	Product Model:	YCCEQ
Test By:	Logan	Test mode:	802.11n-HT20 Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		

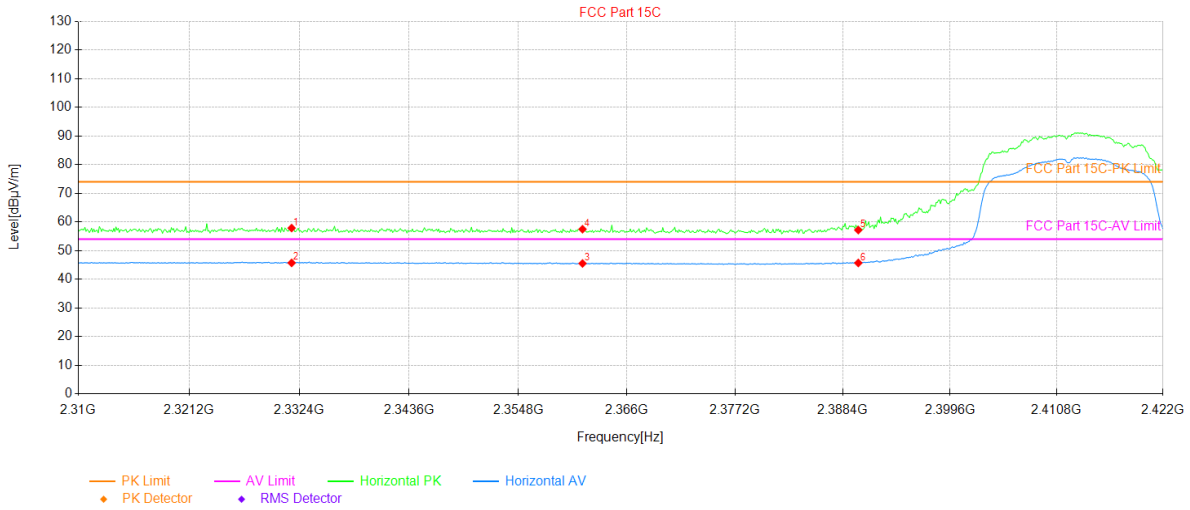


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2332.62	23.94	34.22	58.16	74.00	15.84	150	356	Vertical
2	2332.62	11.67	34.22	45.89	54.00	8.11	150	260	Vertical
3	2362.64	11.35	34.19	45.54	54.00	8.46	150	85	Vertical
4	2362.64	22.91	34.19	57.10	74.00	16.90	150	274	Vertical
5	2390.00	22.50	34.13	56.63	74.00	17.37	150	237	Vertical
6	2390.00	11.19	34.13	45.32	54.00	8.68	150	256	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Visual Ear Cleaner	Product Model:	YCCEQ
Test By:	Logan	Test mode:	802.11n-HT20 Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		

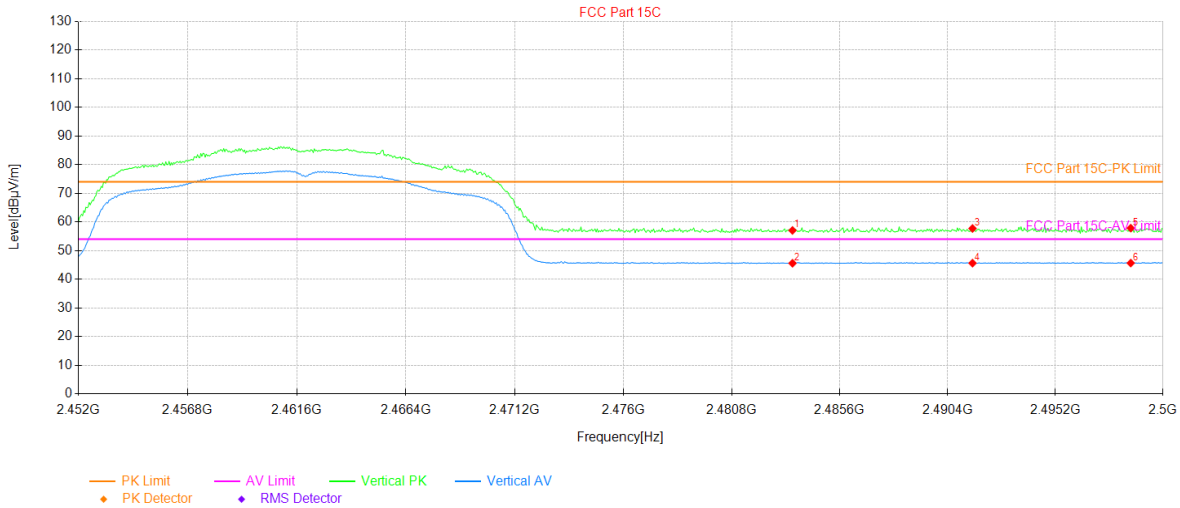


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2331.62	23.62	34.22	57.84	74.00	16.16	150	75	Horizontal
2	2331.62	11.48	34.22	45.70	54.00	8.30	150	300	Horizontal
3	2361.41	11.30	34.19	45.49	54.00	8.51	150	349	Horizontal
4	2361.41	23.25	34.19	57.44	74.00	16.56	150	256	Horizontal
5	2390.00	23.03	34.13	57.16	74.00	16.84	150	349	Horizontal
6	2390.00	11.54	34.13	45.67	54.00	8.33	150	175	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Visual Ear Cleaner	Product Model:	YCCEQ
Test By:	Logan	Test mode:	802.11n-HT20 Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		

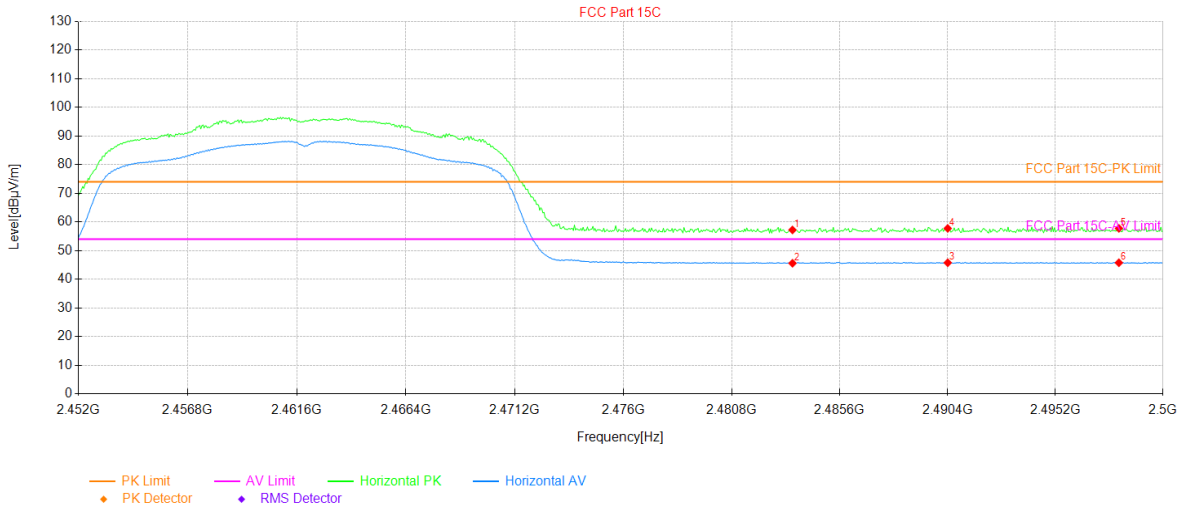


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2483.50	22.51	34.51	57.02	74.00	16.98	150	45	Vertical
2	2483.50	11.06	34.51	45.57	54.00	8.43	150	37	Vertical
3	2491.50	23.19	34.52	57.71	74.00	16.29	150	56	Vertical
4	2491.50	11.08	34.52	45.60	54.00	8.40	150	26	Vertical
5	2498.56	23.29	34.53	57.82	74.00	16.18	150	171	Vertical
6	2498.56	11.10	34.53	45.63	54.00	8.37	150	149	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Visual Ear Cleaner	Product Model:	YCCEQ
Test By:	Logan	Test mode:	802.11n-HT20 Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



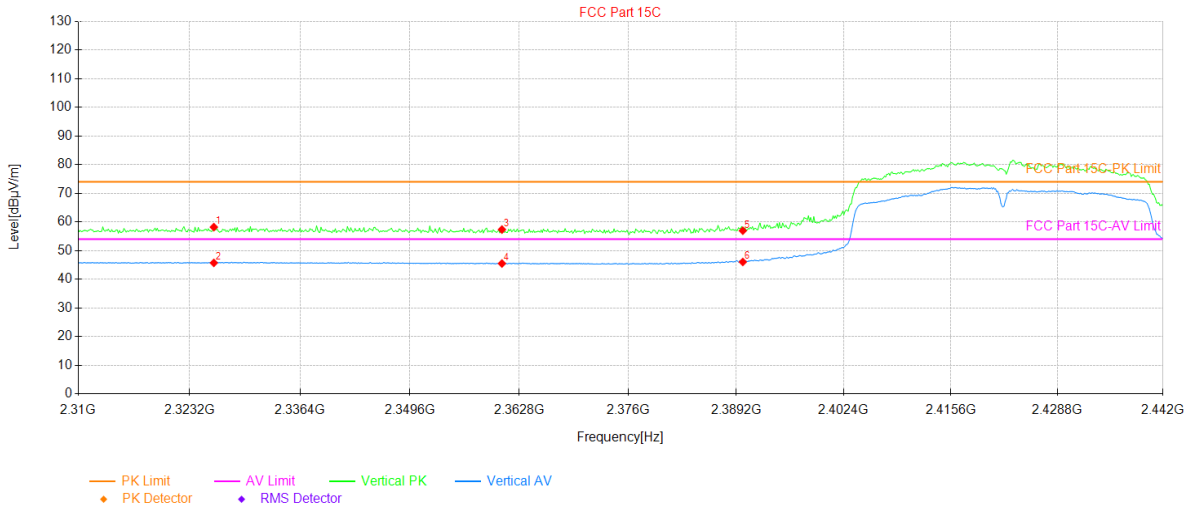
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2483.50	22.67	34.51	57.18	74.00	16.82	150	189	Horizontal
2	2483.50	11.06	34.51	45.57	54.00	8.43	150	315	Horizontal
3	2490.40	11.23	34.52	45.75	54.00	8.25	150	48	Horizontal
4	2490.40	23.21	34.52	57.73	74.00	16.27	150	122	Horizontal
5	2498.03	23.20	34.53	57.73	74.00	16.27	150	259	Horizontal
6	2498.03	11.22	34.53	45.75	54.00	8.25	150	233	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Visual Ear Cleaner	Product Model:	YCCEQ
Test By:	Logan	Test mode:	802.11n-HT40 Tx mode
Test Channel:	Lowest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		

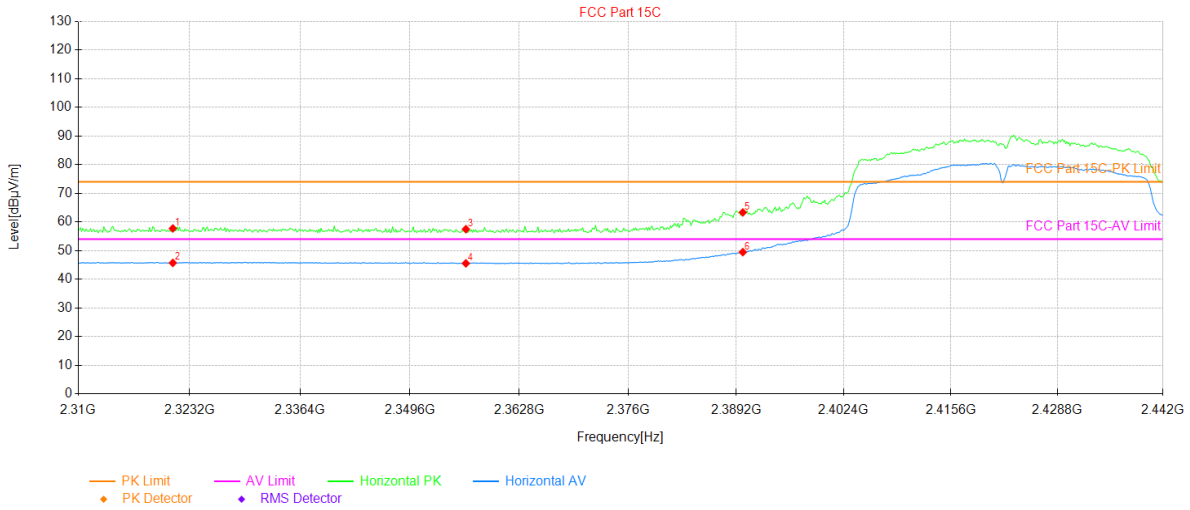


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2326.10	24.01	34.17	58.18	74.00	15.82	150	300	Vertical
2	2326.10	11.53	34.17	45.70	54.00	8.30	150	322	Vertical
3	2360.69	23.13	34.19	57.32	74.00	16.68	150	281	Vertical
4	2360.69	11.28	34.19	45.47	54.00	8.53	150	29	Vertical
5	2390.00	22.80	34.13	56.93	74.00	17.07	150	51	Vertical
6	2390.00	11.90	34.13	46.03	54.00	7.97	150	252	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Visual Ear Cleaner	Product Model:	YCCEQ
Test By:	Logan	Test mode:	802.11n-HT40 Tx mode
Test Channel:	Lowest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



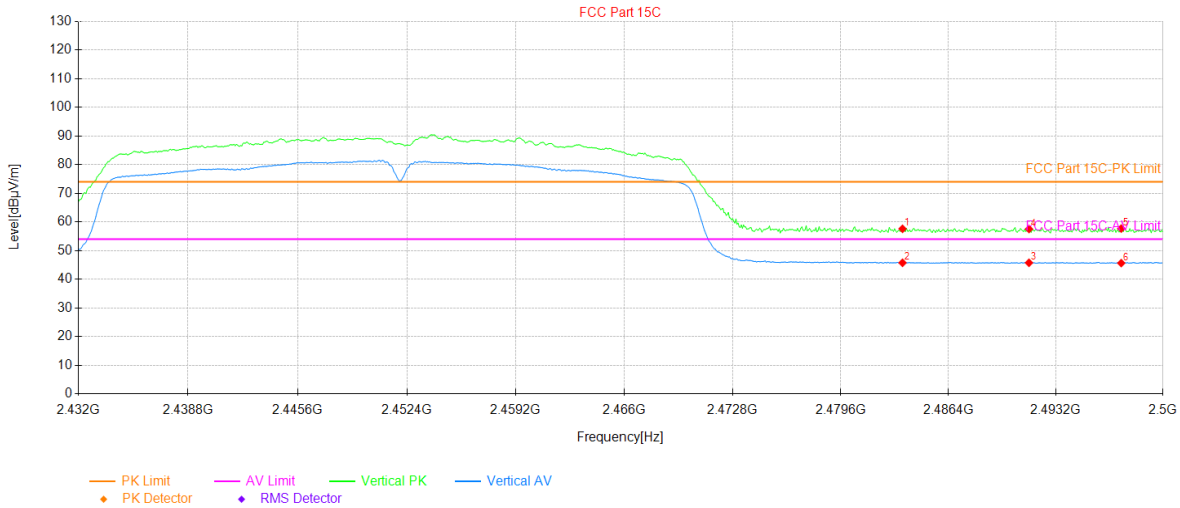
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2321.22	23.59	34.12	57.71	74.00	16.29	150	52	Horizontal
2	2321.22	11.57	34.12	45.69	54.00	8.31	150	49	Horizontal
3	2356.33	23.25	34.20	57.45	74.00	16.55	150	224	Horizontal
4	2356.33	11.33	34.20	45.53	54.00	8.47	150	339	Horizontal
5	2390.00	29.16	34.13	63.29	74.00	10.71	150	350	Horizontal
6	2390.00	15.31	34.13	49.44	54.00	4.56	150	357	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Visual Ear Cleaner	Product Model:	YCCEQ
Test By:	Logan	Test mode:	802.11n-HT40 Tx mode
Test Channel:	Highest channel	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		

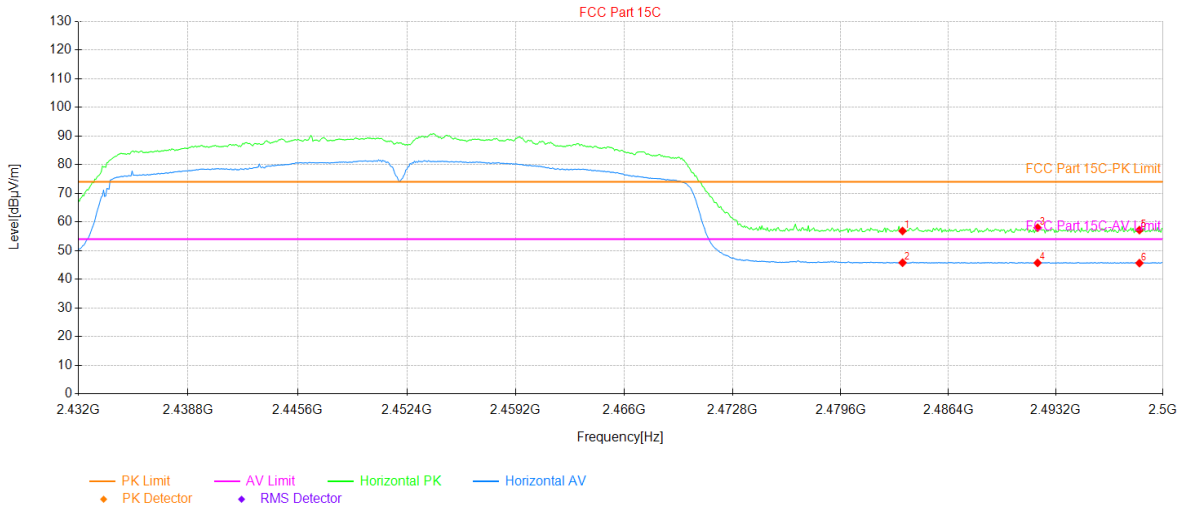


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2483.50	23.08	34.51	57.59	74.00	16.41	150	309	Vertical
2	2483.50	11.22	34.51	45.73	54.00	8.27	150	93	Vertical
3	2491.50	11.21	34.52	45.73	54.00	8.27	150	12	Vertical
4	2491.50	22.99	34.52	57.51	74.00	16.49	150	67	Vertical
5	2497.35	23.13	34.53	57.66	74.00	16.34	150	268	Vertical
6	2497.35	11.10	34.53	45.63	54.00	8.37	150	209	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Product Name:	Smart Visual Ear Cleaner	Product Model:	YCCEQ
Test By:	Logan	Test mode:	802.11n-HT40 Tx mode
Test Channel:	Highest channel	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle[°]	Polarity
1	2483.50	22.31	34.51	56.82	74.00	17.18	150	162	Horizontal
2	2483.50	11.24	34.51	45.75	54.00	8.25	150	311	Horizontal
3	2492.04	23.46	34.52	57.98	74.00	16.02	150	26	Horizontal
4	2492.04	11.17	34.52	45.69	54.00	8.31	150	56	Horizontal
5	2498.50	22.61	34.53	57.14	74.00	16.86	150	162	Horizontal
6	2498.50	11.10	34.53	45.63	54.00	8.37	150	315	Horizontal

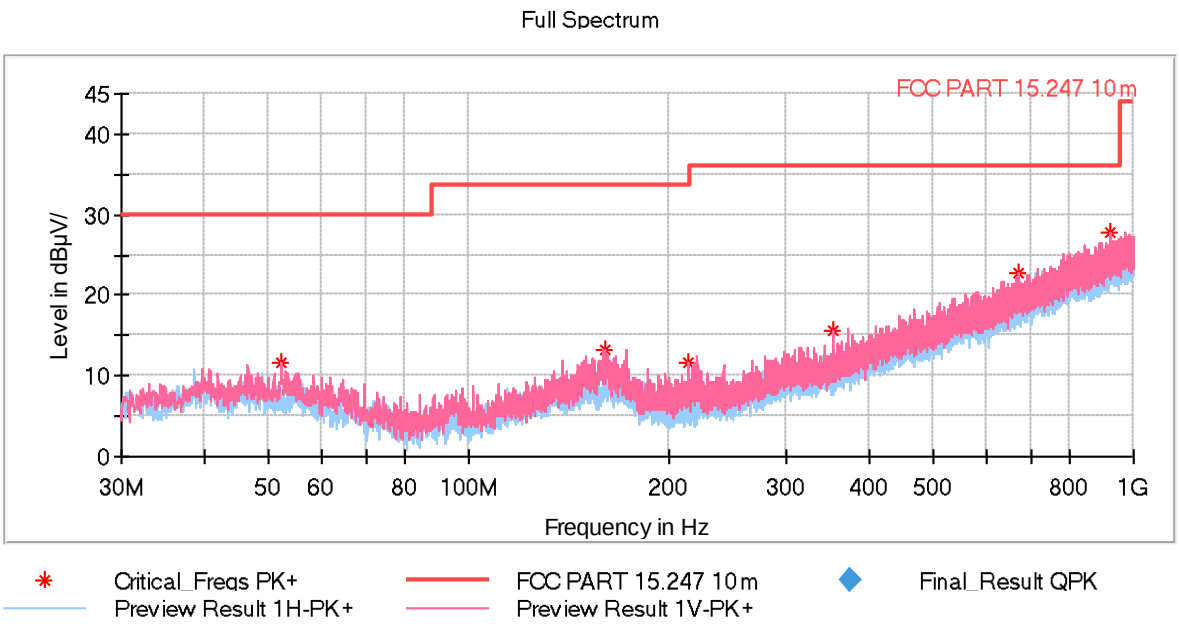
Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

5.5 Emissions in Non-restricted Frequency Bands

Below 1GHz:

Product Name:	Smart Visual Ear Cleaner	**Product Model:**	YCCEQ
Test By:	Logan	**Test mode:**	2.4G Wi-Fi mode
Test Frequency:	30 MHz ~ 1 GHz	**Polarization:**	Vertical & Horizontal
Test Voltage:	AC 120/60Hz		



Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
52.261500	11.55	30.00	18.45	100.0	V	302.0	-16.0
160.610500	13.28	33.50	20.22	100.0	V	114.0	-14.8
213.281500	11.54	33.50	21.96	100.0	V	152.0	-17.5
352.816000	15.61	36.00	20.39	100.0	V	325.0	-13.5
672.188500	22.73	36.00	13.27	100.0	V	20.0	-5.3
925.067500	27.86	36.00	8.14	100.0	V	29.0	-0.6

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Above 1GHz

802.11b						
Test channel: Lowest channel Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	57.17	-7.61	49.56	74.00	24.44	Vertical
4824.00	57.76	-7.61	50.15	74.00	23.85	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	47.12	-7.61	39.51	54.00	14.49	Vertical
4824.00	47.58	-7.61	39.97	54.00	14.03	Horizontal
Test channel: Middle channel Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	58.16	-7.61	50.55	74.00	23.45	Vertical
4874.00	57.98	-7.61	50.37	74.00	23.63	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	47.63	-7.61	40.02	54.00	13.98	Vertical
4874.00	47.28	-7.61	39.67	54.00	14.33	Horizontal
Test channel: Highest channel Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	57.64	-7.61	50.03	74.00	23.97	Vertical
4924.00	57.32	-7.61	49.71	74.00	24.29	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	47.29	-7.61	39.68	54.00	14.32	Vertical
4924.00	47.10	-7.61	39.49	54.00	14.51	Horizontal

Remark:

1. *Level = Reading + Factor.*
2. *Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.*

802.11g						
Test channel: Lowest channel Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	57.51	-7.61	49.90	74.00	24.10	Vertical
4824.00	56.54	-7.61	48.93	74.00	25.07	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	48.04	-7.61	40.43	54.00	13.57	Vertical
4824.00	48.38	-7.61	40.77	54.00	13.23	Horizontal
Test channel: Middle channel Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	57.68	-7.61	50.07	74.00	23.93	Vertical
4874.00	57.43	-7.61	49.82	74.00	24.18	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	47.69	-7.61	40.08	54.00	13.92	Vertical
4874.00	47.46	-7.61	39.85	54.00	14.15	Horizontal
Test channel: Highest channel Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	58.04	-7.61	50.43	74.00	23.57	Vertical
4924.00	58.21	-7.61	50.60	74.00	23.40	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	47.39	-7.61	39.78	54.00	14.22	Vertical
4924.00	47.25	-7.61	39.64	54.00	14.36	Horizontal

Remark:

1. *Level = Reading + Factor.*
2. *Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.*

802.11n-HT20

Test channel: Lowest channel

Detector: Peak Value

Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	57.13	-7.61	49.52	74.00	24.48	Vertical
4824.00	57.37	-7.61	49.76	74.00	24.24	Horizontal

Detector: Average Value

Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4824.00	47.28	-7.61	39.67	54.00	14.33	Vertical
4824.00	47.35	-7.61	39.74	54.00	14.26	Horizontal

Test channel: Middle channel

Detector: Peak Value

Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	57.55	-7.61	49.94	74.00	24.06	Vertical
4874.00	57.61	-7.61	50.00	74.00	24.00	Horizontal

Detector: Average Value

Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	47.39	-7.61	39.78	54.00	14.22	Vertical
4874.00	47.08	-7.61	39.47	54.00	14.53	Horizontal

Test channel: Highest channel

Detector: Peak Value

Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	57.68	-7.61	50.07	74.00	23.93	Vertical
4924.00	57.94	-7.61	50.33	74.00	23.67	Horizontal

Detector: Average Value

Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4924.00	47.29	-7.61	39.68	54.00	14.32	Vertical
4924.00	47.08	-7.61	39.47	54.00	14.53	Horizontal

Remark:

1. *Level = Reading + Factor.*
2. *Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.*

802.11n-HT40						
Test channel: Lowest channel Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4844.00	58.64	-7.61	51.03	74.00	22.97	Vertical
4844.00	58.37	-7.61	50.76	74.00	23.24	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4844.00	47.69	-7.61	40.08	54.00	13.92	Vertical
4844.00	47.54	-7.61	39.93	54.00	14.07	Horizontal
Test channel: Middle channel Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	58.19	-7.61	50.58	74.00	23.42	Vertical
4874.00	58.31	-7.61	50.70	74.00	23.30	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4874.00	47.39	-7.61	39.78	54.00	14.22	Vertical
4874.00	47.34	-7.61	39.73	54.00	14.27	Horizontal
Test channel: Highest channel Detector: Peak Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4904.00	58.27	-7.61	50.66	74.00	23.34	Vertical
4904.00	58.16	-7.61	50.55	74.00	23.45	Horizontal
Detector: Average Value						
Frequency (MHz)	Read Level (dBμV)	Factor (dB)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
4904.00	47.68	-7.61	40.07	54.00	13.93	Vertical
4904.00	47.54	-7.61	39.93	54.00	14.07	Horizontal

Remark:

1. *Level = Reading + Factor.*
2. *Test Frequency up to 25GHz, and the emission levels of other frequencies are lower than the limit 20dB, not show in test report.*

------End of report------