

FCC Test Report (Class II Permissive Change)

Product Name	VUZE camera
Model No	HETVZ-1
FCC ID.	2AKDRHE1VZ

Applicant	Humaneyes Technologies Ltd.
Address	Communication Center, Neve Ilan D.N. Harey Jerusalem, 9085000

Date of Receipt	May 22, 2017
Issue Date	Jun. 14, 2017
Report No.	1750545R-RFUSP26V00-A
Report Version	V1.0



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

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Test Report

Issue Date: Jun. 14, 2017

Report No.: 1750545R-RFUSP26V00-A



Product Name	VUZE camera
Applicant	Humaneyes Technologies Ltd.
Address	Communication Center, Neve Ilan D.N. Harey Jerusalem, 9085000
Manufacturer	ABILITY ENTERPRISE CO., LTD.
Model No.	HETVZ-1
FCC ID.	2AKDRHE1VZ
EUT Rated Voltage	AC 100-240V, 50/60Hz or DC 3.8V By Battery
EUT Test Voltage	AC 120V/60Hz
Trade Name	U
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2016 ANSI C63.4: 2014, ANSI C63.10: 2013 KDB 558074 D01 DTS Meas Guidance v04
Test Result	Complied

Documented By

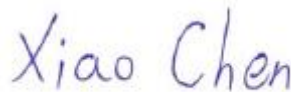
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(Senior Adm. Specialist / Joanne Lin)

Tested By

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(Engineer / Xiao Chen)

Approved By

:



(Director / Vincent Lin)

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1. GENERAL INFORMATION

1.1. EUT Description

Product Name	VUZE camera
Trade Name	U
Model No.	HETVZ-1
FCC ID.	2AKDRHE1VZ
Frequency Range	802.11b/g/n-20BW: 2412-2462MHz
Number of Channels	802.11b/g/n-20MHz: 11
Data Speed	802.11b: 1-11Mbps, 802.11g: 6-54Mbps, 802.11n: 6.5-65Mbps
Type of Modulation	802.11b:DSSS (DBPSK, DQPSK, CCK) 802.11g/n:OFDM (BPSK, QPSK, 16QAM, 64QAM)
Channel separation	802.11b/g/n-20MHz: 5 MHz
Antenna Type	PIFA Antenna
Antenna Gain	Refer to the table “Antenna List”
Channel Control	Auto
USB Cable	Shielded, 0.8m
Power Adapter	MFR: U, M/N: KSA29B0500200D5 Input: AC 100-240V, 50/60Hz, 0.5A Output: DC 5V, 2A
Contain Module	Broadcom / BCM43340

Antenna List:

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	LYNwave	PHE2010W	PIFA Antenna	-6.88dBi for 2.4 GHz

802.11b/g/n-20MHz Center Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 01:	2412 MHz	Channel 02:	2417 MHz	Channel 03:	2422 MHz	Channel 04:	2427 MHz
Channel 05:	2432 MHz	Channel 06:	2437 MHz	Channel 07:	2442 MHz	Channel 08:	2447 MHz
Channel 09:	2452 MHz	Channel 10:	2457 MHz	Channel 11:	2462 MHz		

Note:

1. This device is a VUZE camera with a built-in 2.4GHz WLAN transceiver.
2. Regarding to the operation frequency, the lowest, middle and highest frequency are selected to perform the test.
3. Lowest and highest data rates are tested in each mode. Only worst case is shown in the report.
4. These tests are conducted on a sample for the purpose of demonstrating compliance of 802.11b/g/n transmitter with Part 15 Subpart C Paragraph 15.247 of spread spectrum devices.
5. The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.
6. This is to request a Class II permissive change for FCC ID: 2AKDRHE1VZ, originally granted on 03/10/2017.

The major change filed under this application is:

Change #1: Addition one antenna shrapnels on antenna, the antenna type is same, the antenna gain is lower than the original application.

#2: Reduce the Output Power through firmware.

Test Mode:	Mode 1: Transmit (802.11b 1Mbps)
	Mode 2: Transmit (802.11g 6Mbps)
	Mode 3: Transmit (802.11n MCS0 6.5Mbps 20M-BW)

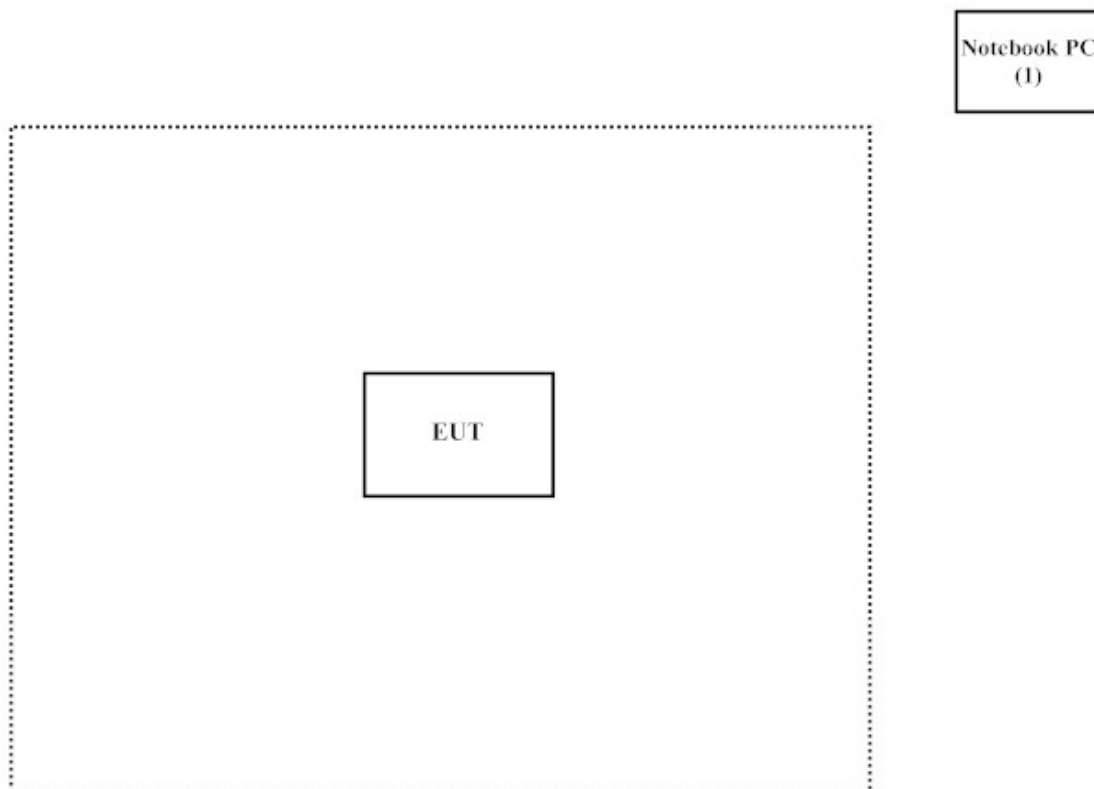
1.3. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product	Manufacturer	Model No.	Serial No.	Power Cord
1 Notebook PC	DELL	Latitude E5440	B6TYTZ1	Non-Shielded, 0.8m

Signal Cable Type	Signal cable Description
N/A	

1.4. Configuration of Tested System



1.5. EUT Exercise Software

1. Setup the EUT as shown in Section 1.4.
2. Execute software "Hevu Mobile Emulator" on the Notebook.
3. Configure the test mode, the test channel, and the data rate.
4. Press "OK" to start the continuous Transmit.
5. Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	20-35
Humidity (%RH)	25-75	50-65
Barometric pressure (mbar)	860-1060	950-1000

The related certificate for our laboratories about the test site and management system can be downloaded from DEKRA Testing and Certification Co., Ltd. Web Site:

<http://www.dekra.com.tw/english/about/certificates.aspx?bval=5>

The address and introduction of DEKRA Testing and Certification Co., Ltd. laboratories can be founded in our Web site: http://www.dekra.com.tw/index_en.aspx

Site Description: Accredited by TAF
Accredited Number: 3023

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FCC Accreditation Number: TW1014

1.7. List of Test Equipment

For Conducted measurements / CB3 / SR8

	Equipment	Manufacturer	Model No.	Serial No.	Cali. Date	Due. Date
	Temperature Chamber	WIT GROUP	TH-1S-B	EQ-201-00146	2016/11/28	2017/11/27
X	Spectrum Analyzer	Agilent	N9010A	MY48030495	2016/7/22	2017/7/21
X	Power Meter	Anritsu	ML2495A	6K00003357	2016/6/23	2017/6/22
X	Pulse power sensor	Anritsu	MA2411B	0846193	2016/6/23	2017/6/22
X	EMI Test Receiver	R&S	ESCS 30	100369	2016/10/13	2017/10/12
X	LISN	R&S	ESH3-Z5	836679/017	2017/1/7	2018/1/6
X	LISN	R&S	ENV216	100097	2017/1/7	2018/1/6
X	Coaxial Cable	QTK(Arnist)	RG 400	LC018-RG	2016/6/25	2017/6/24

For Radiated measurements / Site3 / CB8

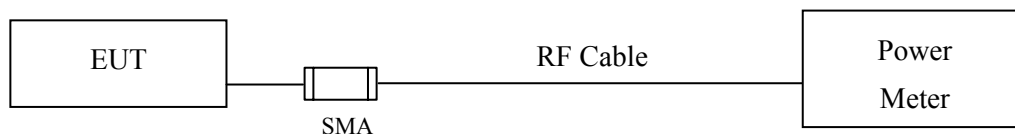
	Equipment	Manufacturer	Model No.	Serial No.	Cali. Date	Due. Date
X	Spectrum Analyzer	R&S	FSP40	100170	2017/1/5	2018/1/4
	Loop Antenna	Teseq	HLA6121	37133	2017/3/18	2018/3/17
X	Bi-Log Antenna	Schaffner Chase	CBL6112B	2707	2017/6/11	2018/6/10
X	Horn Antenna	ETS-Lindgren	3117	00135205	2017/4/6	2018/4/5
X	Horn Antenna	Schwarzbeck	BBHA9170	9170430	2017/1/11	2018/1/10
X	Pre-Amplifier	QTK	AP/0100A	CHM/0901069	2016/6/23	2017/6/22
X	Pre-Amplifier	EMCI	EMC012630SE	980210	2017/1/26	2018/1/24
X	Pre-Amplifier	NARDA WE	DBL-1840N506	013	2016/9/30	2017/9/29
X	Filter	MicroTRON	BRM50701	019	2016/11/2	2017/11/1
X	Filter	Microwave Circuits	N0257881	36681	2016/12/7	2017/12/6
X	EMI Test Receiver	R&S	ESR26	101385	2016/9/29	2017/9/28
X	Coaxial Cable	QTK(Arnist)	SUCOFLEX 106	L1606-015C	2016/6/23	2017/6/22
X	EMI Test Receiver	R&S	ESCS 30	838251/001	2016/7/21	2017/7/20
X	Coaxial Cable	QTK(Arnist)	RG 214	LC003-RG	2016/6/16	2017/6/15
X	Coaxial signal switch	Anritsu	MP59B	6201415889	2016/6/16	2017/6/15

Note:

1. All equipments are calibrated every one year.
2. The test instruments marked with "X" are used to measure the final test results.
3. Test Software version :Quietek EMI 2.0 V2.1.113.

2. Peak Power Output

2.1. Test Setup



2.2. Limits

The maximum peak power shall be less 1 Watt.

2.3. Test Procedure

The EUT was tested according to DTS test procedure of KDB 558074 for compliance to FCC 47CFR 15.247 requirements. The maximum peak conducted output power using KDB 558074 D01 DTS Meas Guidance v04 section 9.1.3 PKPM1 Peak power meter method.

2.4. Uncertainty

± 1.19 dB

2.5. Test Result of Peak Power Output

Product : VUZE camera
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test date : 2017.0515
 Test Mode : Mode 1: Transmit (802.11b 1Mbps)

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Peak Power	Required Limit	Result
		1	2	5.5	11	1		
		Measurement Level (dBm)						
01	2412	-0.41	--	--	--	3.22	<30dBm	Pass
06	2437	-0.4	-0.48	-0.53	-0.6	3.31	<30dBm	Pass
11	2462	-0.44	--	--	--	3.16	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : VUZE camera
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 2: Transmit (802.11g 6Mbps)

Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		6	9	12	18	24	36	48	54			
		Measurement Level (dBm)										
01	2412	-9.62	--	--	--	--	--	--	--	3.11	<30dBm	Pass
06	2437	-9.9	-9.96	-10.01	-10.05	-10.09	-10.13	-10.16	-10.22	2.98	<30dBm	Pass
11	2462	-10.01	--	--	--	--	--	--	--	2.65	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

Product : VUZE camera
 Test Item : Peak Power Output Data
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 3: Transmit (802.11n MCS0 6.5Mbps 20M-BW)

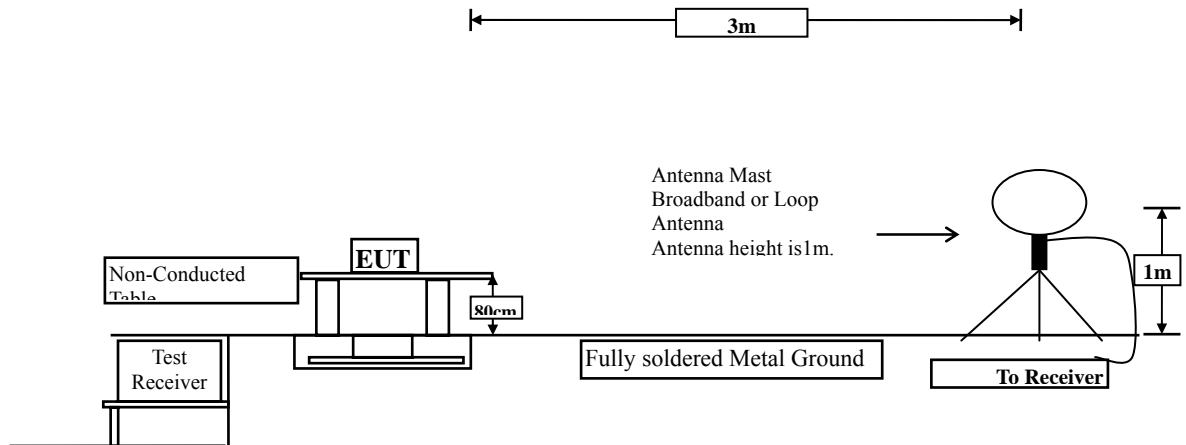
Channel No	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Peak Power	Required Limit	Result
		HT0	HT1	HT2	HT3	HT4	HT5	HT6	HT7	HT0		
		Measurement Level (dBm)										
01	2412	-9.69	--	--	--	--	--	--	--	2.81	<30dBm	Pass
06	2437	-9.81	-9.86	-9.9	-9.94	-9.99	-10.04	-10.1	-10.16	2.93	<30dBm	Pass
11	2462	-9.94	--	--	--	--	--	--	--	2.88	<30dBm	Pass

Note: Peak Power Output Value = Reading value on power meter + cable loss

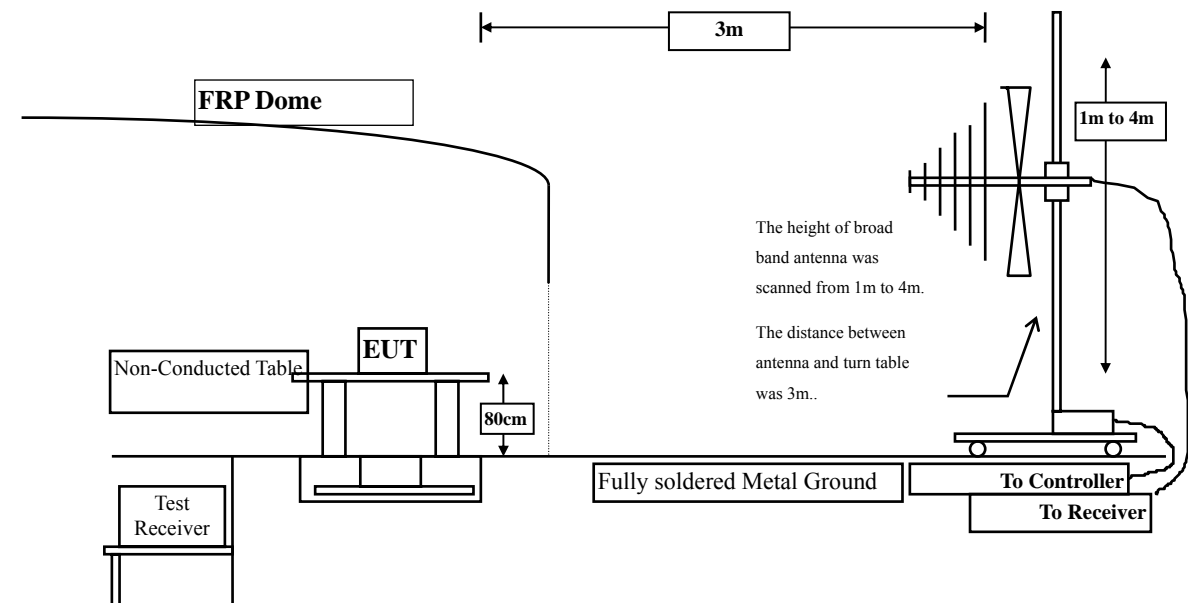
3. Radiated Emission

3.1. Test Setup

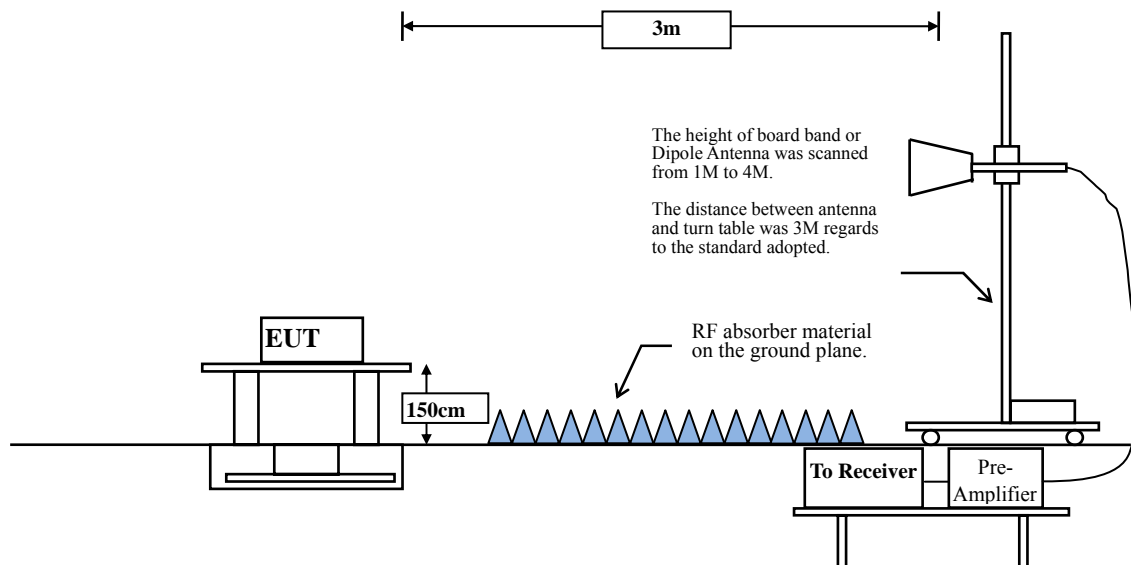
Radiated Emission Under 30MHz



Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



3.2. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209(a) Limits		
Frequency MHz	Field strength (microvolts/meter)	Measurement distance (meter)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remarks: E field strength (dBuV/m) = 20 log E field strength (uV/m)

3.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Measuring the frequency range below 1GHz, the EUT is placed on a turn table which is 0.8 meter above ground, when measuring the frequency range above 1GHz, the EUT is placed on a turn table which is 1.5 meter above ground.

The turn table is rotated 360 degrees to determine the position of the maximum emission level.

The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned between 1 meter and 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10: 2013 on radiated measurement.

The resolution bandwidth below 30MHz setting on the field strength meter is 9kHz and 30MHz~1GHz is 120kHz and above 1GHz is 1MHz.

Radiated emission measurements below 30MHz are made using Loop Antenna and 30MHz~1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna.

The worst radiated emission is measured in the Open Area Test Site on the Final Measurement.

The measurement frequency range from 9kHz - 10th Harmonic of fundamental was investigated.

3.4. Uncertainty

± 4.08 dB above 1GHz

± 4.22 dB below 1GHz

3.5. Test Result of Radiated Emission

Product : VUZE camera
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)

Frequency MHz	Correct Factor dB	Reading Level dB μ V	Measurement Level dB μ V/m	Margin dB	Limit dB μ V/m
Horizontal					
Peak Detector:					
4824.000	2.428	38.125	40.554	-33.446	74.000
7236.000	9.177	36.077	45.254	-28.746	74.000
9648.000	10.019	35.065	45.085	-28.915	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4824.000	2.836	38.258	41.095	-32.905	74.000
7236.000	9.676	35.278	44.954	-29.046	74.000
9648.000	10.556	35.290	45.847	-28.153	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : VUZE camera
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
4874.000	2.076	37.508	39.585	-34.415	74.000
7311.000	9.512	35.144	44.656	-29.344	74.000
9748.000	9.630	34.018	43.648	-30.352	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	2.532	36.052	38.584	-35.416	74.000
7311.000	10.089	35.865	45.954	-28.046	74.000
9748.000	10.266	35.428	45.695	-28.305	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : VUZE camera
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level	dB	dB μ V/m
	dB	dB μ V	dB μ V/m		
Horizontal					
Peak Detector:					
4924.000	2.191	36.768	38.959	-35.041	74.000
7386.000	10.373	35.300	45.674	-28.326	74.000
9848.000	9.964	35.555	45.519	-28.481	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4924.000	2.805	37.336	40.141	-33.859	74.000
7386.000	11.180	34.774	45.954	-28.046	74.000
9848.000	10.801	35.838	46.639	-27.361	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : VUZE camera
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 2: Transmit (802.11g 6Mbps)(2412MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
4824.000	2.428	38.256	40.685	-33.315	74.000
7236.000	9.177	36.517	45.694	-28.306	74.000
9648.000	10.019	35.594	45.614	-28.386	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4824.000	2.836	37.532	40.369	-33.631	74.000
7236.000	9.676	36.032	45.708	-28.292	74.000
9648.000	10.556	35.108	45.665	-28.335	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : VUZE camera
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
4874.000	2.076	37.510	39.587	-34.413	74.000
7311.000	9.512	34.629	44.141	-29.859	74.000
9748.000	9.630	34.544	44.174	-29.826	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	2.532	37.832	40.364	-33.636	74.000
7311.000	10.089	35.558	45.647	-28.353	74.000
9748.000	10.266	34.707	44.974	-29.026	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : VUZE camera
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level	dB	dB μ V/m
	dB	dB μ V	dB μ V/m		
Horizontal					
Peak Detector:					
4924.000	2.191	36.349	38.540	-35.460	74.000
7386.000	10.373	34.444	44.818	-29.182	74.000
9848.000	9.964	35.277	45.241	-28.759	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4924.000	2.805	37.243	40.048	-33.952	74.000
7386.000	11.180	34.189	45.369	-28.631	74.000
9848.000	10.801	34.446	45.247	-28.753	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : VUZE camera
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 3: Transmit (802.11n MCS0 6.5Mbps 20M-BW) (2412MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
4824.000	2.428	37.265	39.694	-34.306	74.000
7236.000	9.177	35.117	44.294	-29.706	74.000
9648.000	10.019	34.154	44.174	-29.826	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4824.000	2.836	37.310	40.147	-33.853	74.000
7236.000	9.676	35.018	44.694	-29.306	74.000
9648.000	10.556	33.428	43.985	-30.015	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : VUZE camera
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 3: Transmit (802.11n MCS0 6.5Mbps 20M-BW) (2437 MHz)

Frequency MHz	Correct Factor dB	Reading Level dBμV	Measurement Level dBμV/m	Margin dB	Limit dBμV/m
Horizontal					
Peak Detector:					
4874.000	2.076	36.770	38.847	-35.153	74.000
7311.000	9.512	36.102	45.614	-28.386	74.000
9748.000	9.630	34.951	44.581	-29.419	74.000
Average Detector:					
--					
Vertical					
Peak Detector:					
4874.000	2.532	35.337	37.869	-36.131	74.000
7311.000	10.089	35.436	45.525	-28.475	74.000
9748.000	10.266	34.396	44.663	-29.337	74.000
Average Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : VUZE camera
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 3: Transmit (802.11n MCS0 6.5Mbps 20M-BW) (2462 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
Peak Detector:					
4924.000	2.191	37.505	39.696	-34.304	74.000
7386.000	10.373	33.174	43.548	-30.452	74.000
9848.000	9.964	35.727	45.691	-28.309	74.000
Average					
Detector:					
--					
Vertical					
Peak Detector:					
4924.000	2.805	35.042	37.847	-36.153	74.000
7386.000	11.180	33.504	44.684	-29.316	74.000
9848.000	10.801	34.893	45.694	-28.306	74.000
Average					
Detector:					
--					

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : VUZE camera
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
404.420	0.889	36.211	37.100	-8.900	46.000
499.480	1.991	35.117	37.107	-8.893	46.000
602.300	3.794	33.506	37.300	-8.700	46.000
716.760	3.809	33.462	37.271	-8.729	46.000
769.140	5.118	30.074	35.192	-10.808	46.000
875.840	5.816	30.639	36.455	-9.545	46.000
Vertical					
177.440	-1.248	34.412	33.164	-10.336	43.500
324.880	-3.120	37.154	34.034	-11.966	46.000
460.680	-1.930	36.485	34.555	-11.445	46.000
602.300	1.704	30.206	31.910	-14.090	46.000
755.560	2.829	30.619	33.448	-12.552	46.000
968.960	3.936	32.351	36.287	-17.713	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : VUZE camera
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
241.460	-6.590	44.138	37.548	-8.452	46.000
369.500	0.787	33.946	34.733	-11.267	46.000
474.260	2.294	30.328	32.622	-13.378	46.000
544.100	4.373	31.624	35.997	-10.003	46.000
658.560	1.892	32.006	33.898	-12.102	46.000
763.320	5.113	30.739	35.852	-10.148	46.000
Vertical					
179.380	-0.824	32.105	31.281	-12.219	43.500
352.040	-1.292	29.380	28.088	-17.912	46.000
501.420	-0.101	31.611	31.510	-14.490	46.000
612.000	1.943	31.287	33.229	-12.771	46.000
722.580	-0.757	30.885	30.128	-15.872	46.000
821.520	3.036	32.058	35.094	-10.906	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : VUZE camera
 Test Item : General Radiated Emission Data
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 3: Transmit (802.11n MCS0 6.5Mbps 20M-BW) (2437 MHz)

Frequency	Correct	Reading	Measurement	Margin	Limit
MHz	Factor	Level	Level		
	dB	dB μ V	dB μ V/m	dB	dB μ V/m
Horizontal					
130.880	-7.407	44.417	37.009	-6.491	43.500
262.800	-5.484	41.271	35.787	-10.213	46.000
410.240	-0.122	38.612	38.491	-7.509	46.000
513.060	3.186	31.175	34.361	-11.639	46.000
563.500	1.950	33.522	35.472	-10.528	46.000
699.300	2.956	35.458	38.414	-7.586	46.000
Vertical					
132.820	-3.932	39.063	35.131	-8.369	43.500
256.980	-5.004	39.820	34.816	-11.184	46.000
400.540	-2.868	39.960	37.092	-8.908	46.000
511.120	0.783	36.102	36.885	-9.115	46.000
613.940	1.782	34.566	36.348	-9.652	46.000
790.480	2.693	33.802	36.495	-9.505	46.000

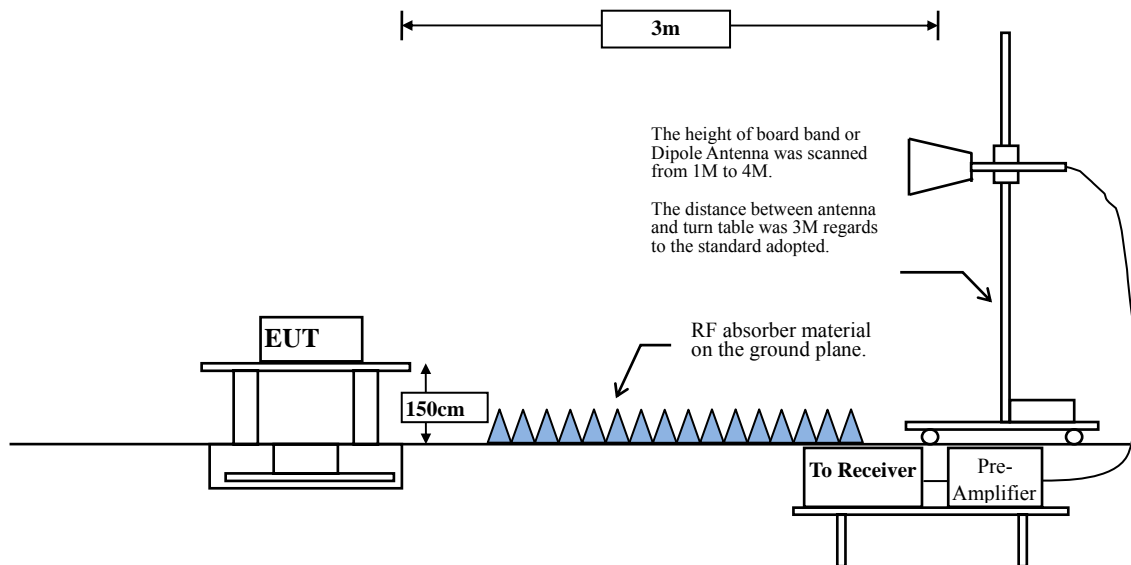
Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss – Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

4. Band Edge

4.1. Test Setup

RF Radiated Measurement:



4.2. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

4.3. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013 on radiated measurement.

4.4. Uncertainty

± 4.08 dB above 1GHz

± 4.22 dB below 1GHz

4.5. Test Result of Band Edge

Product : VUZE camera
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
01 (Peak)	2387.800	-2.697	44.732	42.035	74.00	54.00	Pass
01 (Peak)	2390.000	-2.687	43.965	41.278	74.00	54.00	Pass
01 (Peak)	2400.000	-2.660	50.944	48.284	--	--	--
01 (Peak)	2413.000	-2.642	92.664	90.021	--	--	--
01 (Average)	2390.000	-2.687	30.632	27.945	74.00	54.00	Pass
01 (Average)	2400.000	-2.660	36.087	33.427	--	--	--
01 (Average)	2411.400	-2.643	83.494	80.851	--	--	--

Figure Channel 01:

Horizontal (Peak)

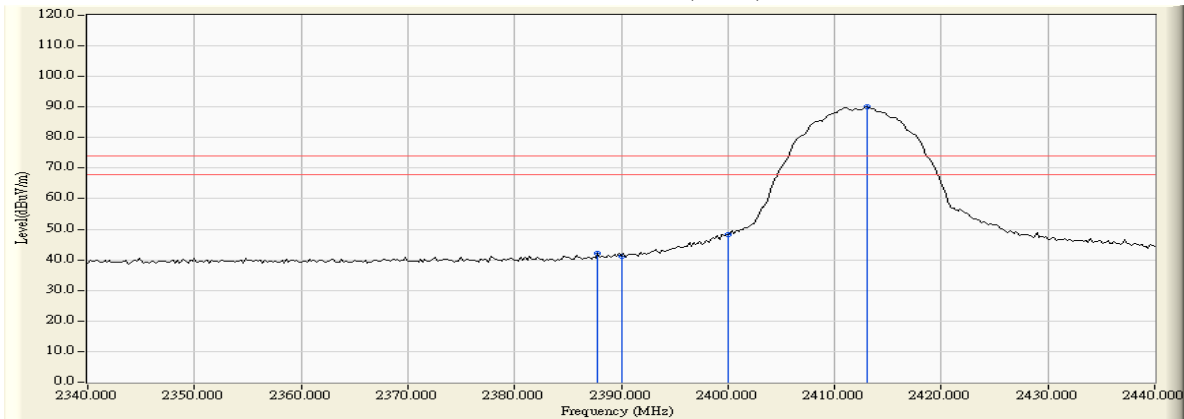
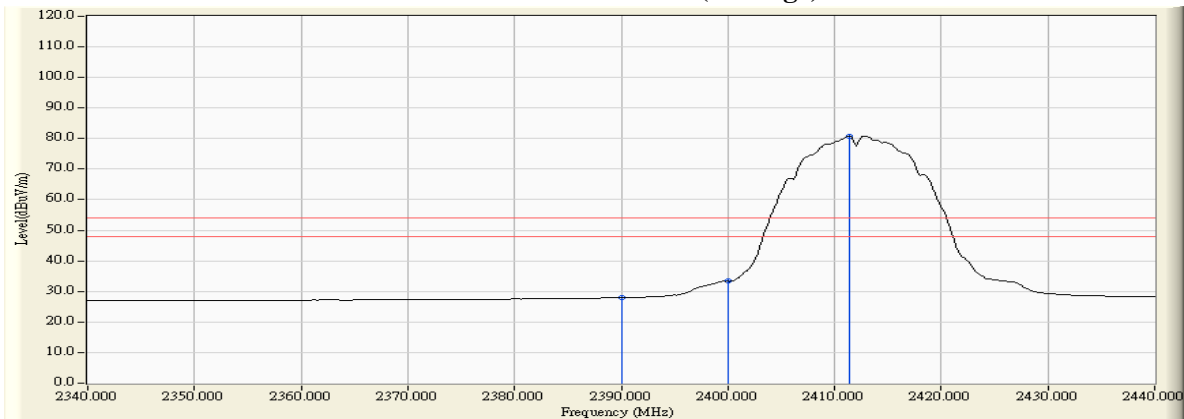


Figure Channel 01:

Horizontal (Average)



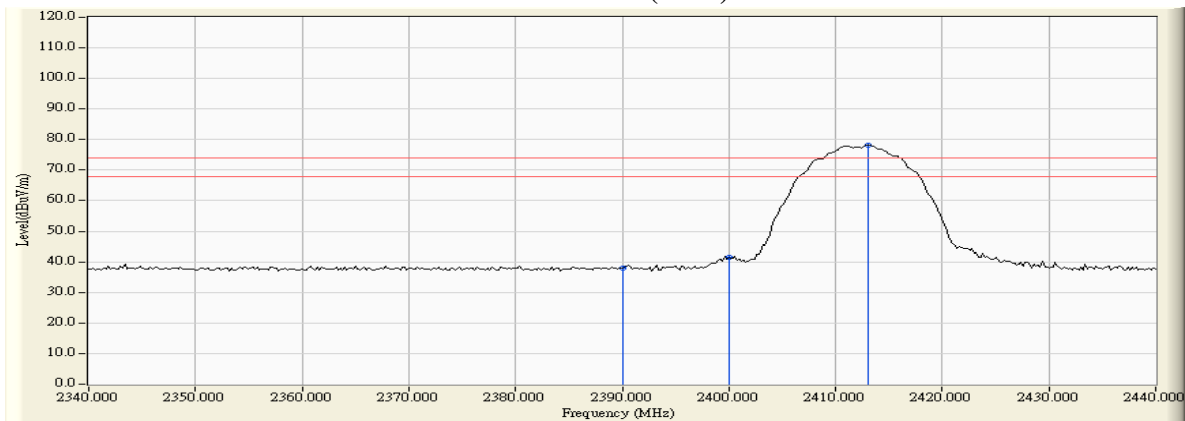
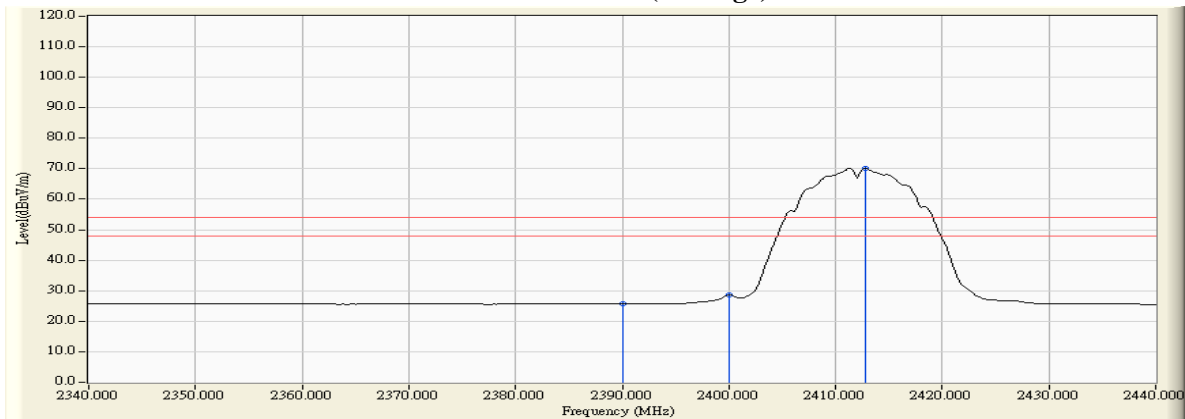
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : VUZE camera
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
01 (Peak)	2390.000	-4.159	42.216	38.057	74.00	54.00	Pass
01 (Peak)	2400.000	-4.171	45.623	41.452	--	--	--
01 (Peak)	2413.000	-4.163	82.461	78.297	--	--	--
01 (Average)	2390.000	-4.159	29.863	25.704	74.00	54.00	Pass
01 (Average)	2400.000	-4.171	32.689	28.518	--	--	--
01 (Average)	2412.800	-4.164	74.252	70.088	--	--	--

Figure Channel 01: Vertical (Peak)**Figure Channel 01: Vertical (Average)**

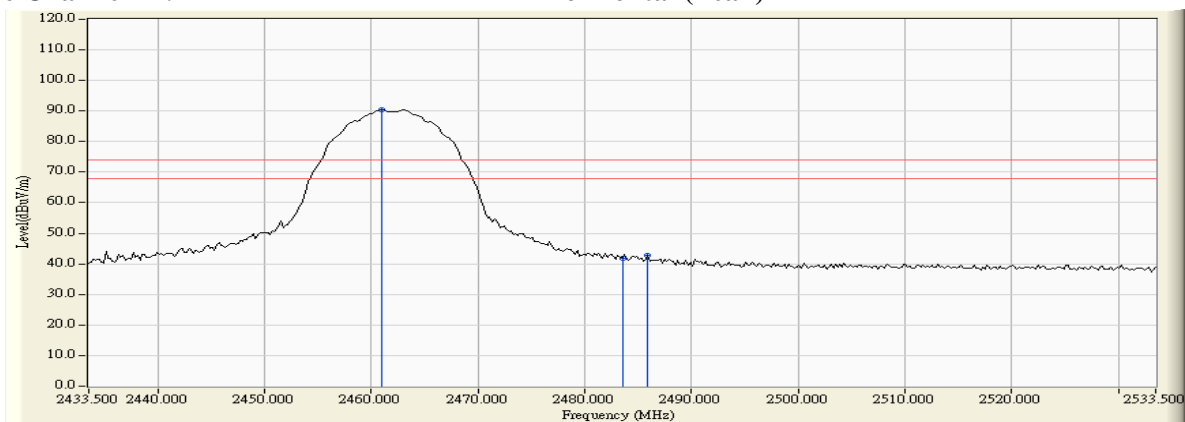
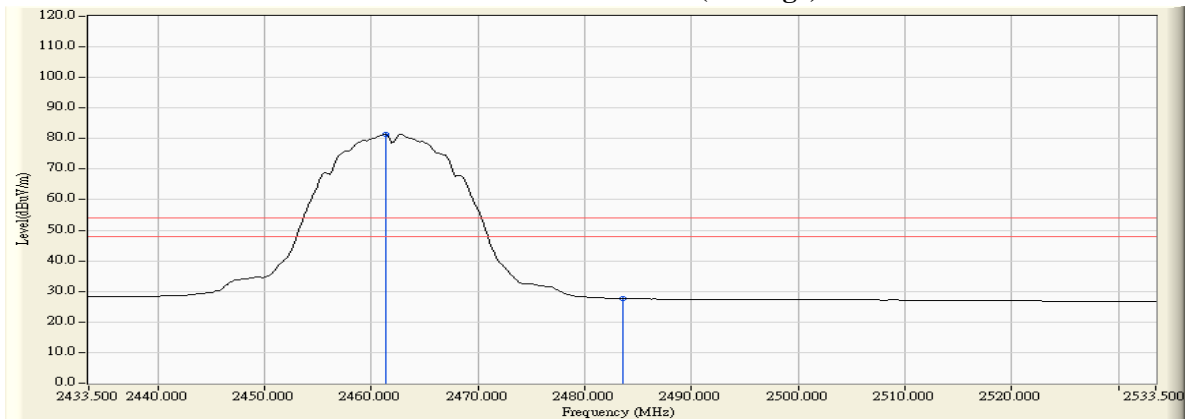
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : VUZE camera
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
11 (Peak)	2460.900	-2.623	93.133	90.510	--	--	--
11 (Peak)	2483.500	-2.601	44.569	41.967	74.00	54.00	Pass
11 (Peak)	2485.900	-2.600	45.490	42.890	74.00	54.00	Pass
11 (Average)	2461.300	-2.624	84.171	81.548	--	--	--
11 (Average)	2483.500	-2.601	30.309	27.707	74.00	54.00	Pass

Figure Channel 11: Horizontal (Peak)

Figure Channel 11: Horizontal (Average)


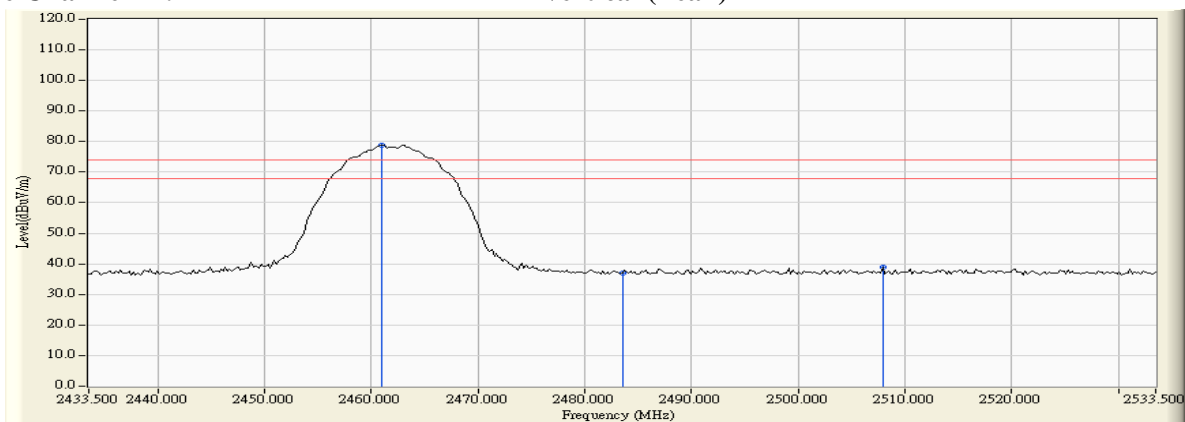
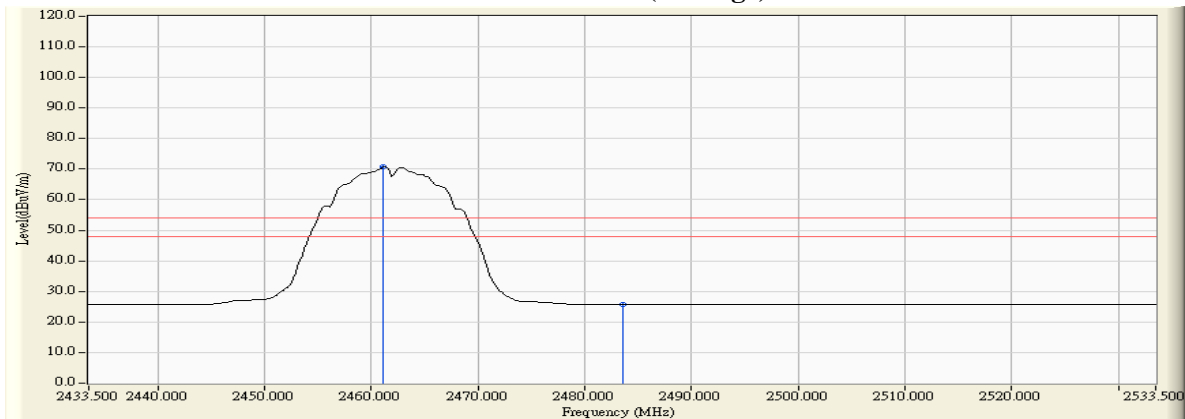
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : VUZE camera
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
11 (Peak)	2460.900	-4.037	82.813	78.775	--	--	--
11 (Peak)	2483.500	-3.966	41.091	37.124	74.00	54.00	Pass
11 (Peak)	2507.900	-3.873	42.674	38.801	74.00	54.00	Pass
11 (Average)	2461.100	-4.037	74.707	70.670	--	--	--
11 (Average)	2483.500	-3.966	29.630	25.663	74.00	54.00	Pass

Figure Channel 11: Vertical (Peak)

Figure Channel 11: Vertical (Average)


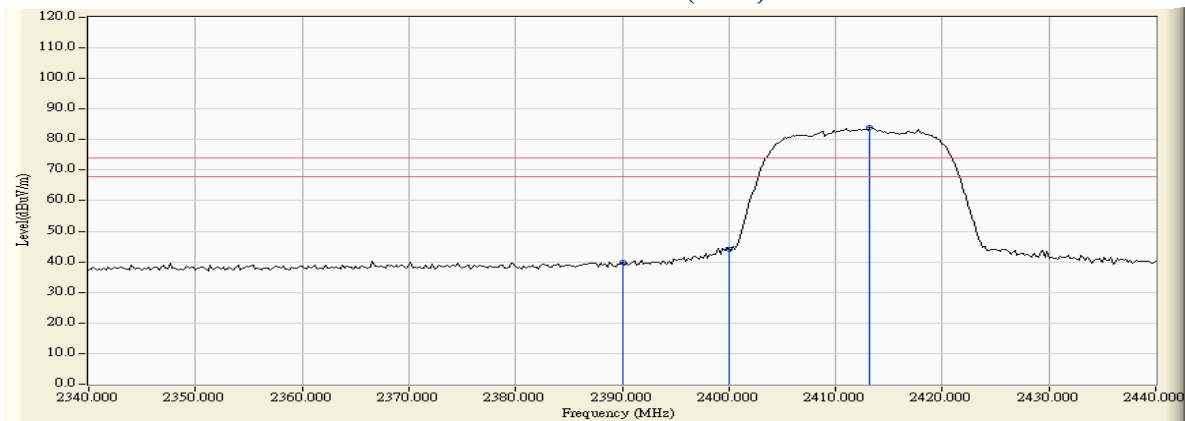
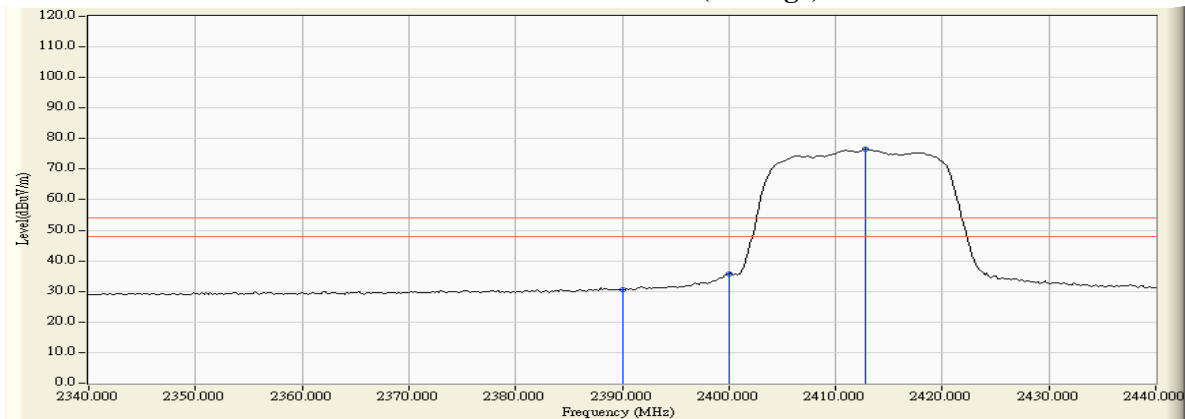
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : VUZE camera
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
01 (Peak)	2390.000	-2.687	42.475	39.788	74.00	54.00	Pass
01 (Peak)	2400.000	-2.660	46.627	43.967	--	--	--
01 (Peak)	2413.200	-2.643	86.532	83.889	--	--	--
01 (Average)	2390.000	-2.687	33.209	30.522	74.00	54.00	Pass
01 (Average)	2400.000	-2.660	38.515	35.855	--	--	--
01 (Average)	2412.800	-2.642	79.101	76.458	--	--	--

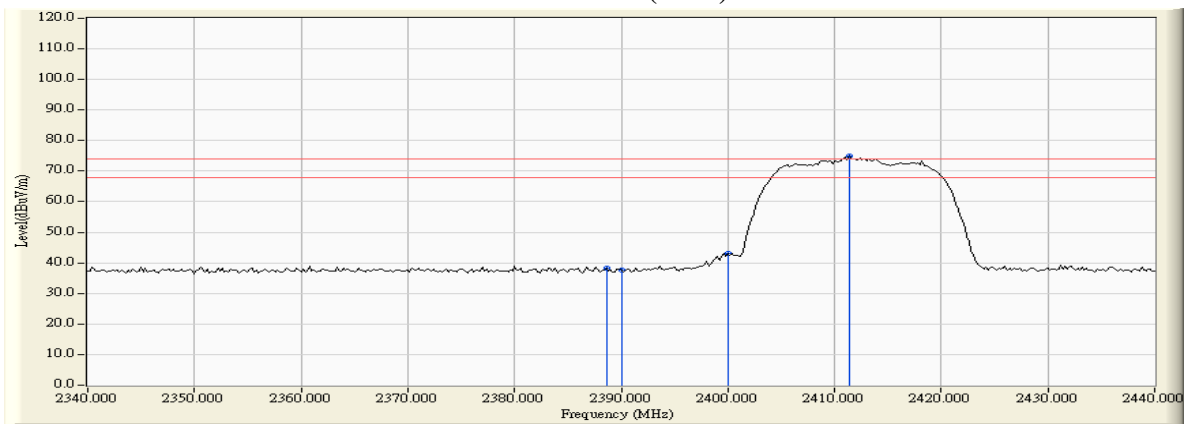
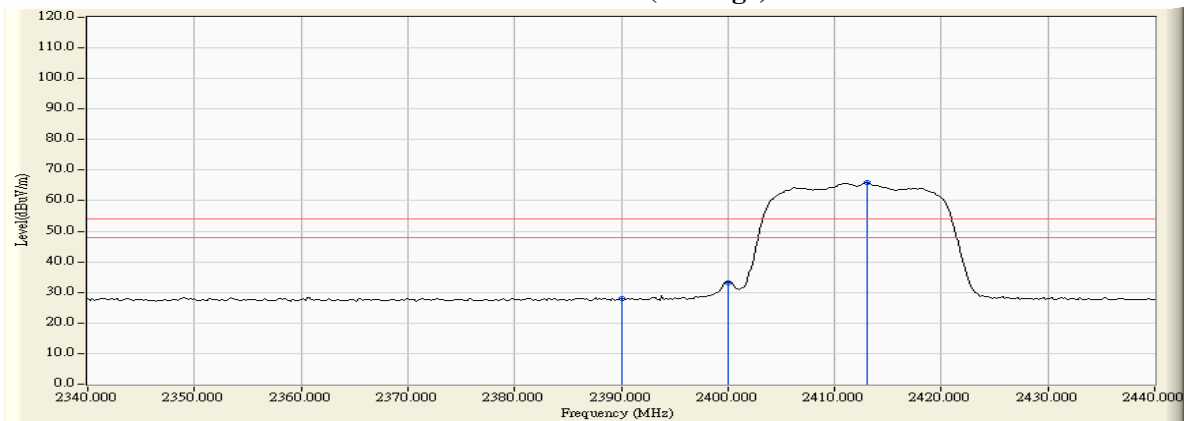
Figure Channel 01: Horizontal (Peak)**Figure Channel 01: Horizontal (Average)****Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : VUZE camera
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
01 (Peak)	2388.600	-4.155	42.584	38.430	74.00	54.00	Pass
01 (Peak)	2390.000	-4.159	41.673	37.514	74.00	54.00	Pass
01 (Peak)	2400.000	-4.171	47.212	43.041	--	--	--
01 (Peak)	2411.400	-4.167	79.171	75.003	--	--	--
01 (Average)	2390.000	-4.159	32.166	28.007	74.00	54.00	Pass
01 (Average)	2400.000	-4.171	37.402	33.231	--	--	--
01 (Average)	2413.000	-4.163	70.000	65.836	--	--	--

Figure Channel 01: Vertical (Peak)**Figure Channel 01: Vertical (Average)**

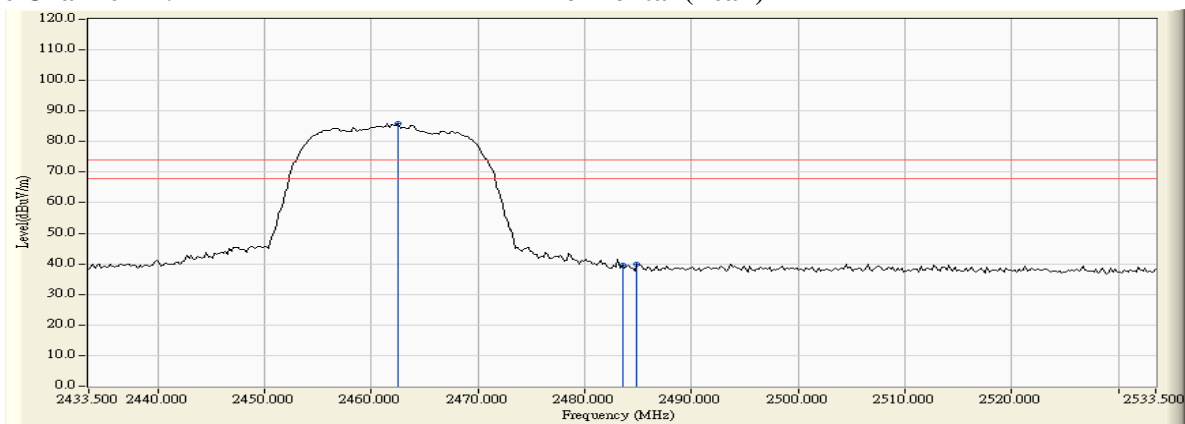
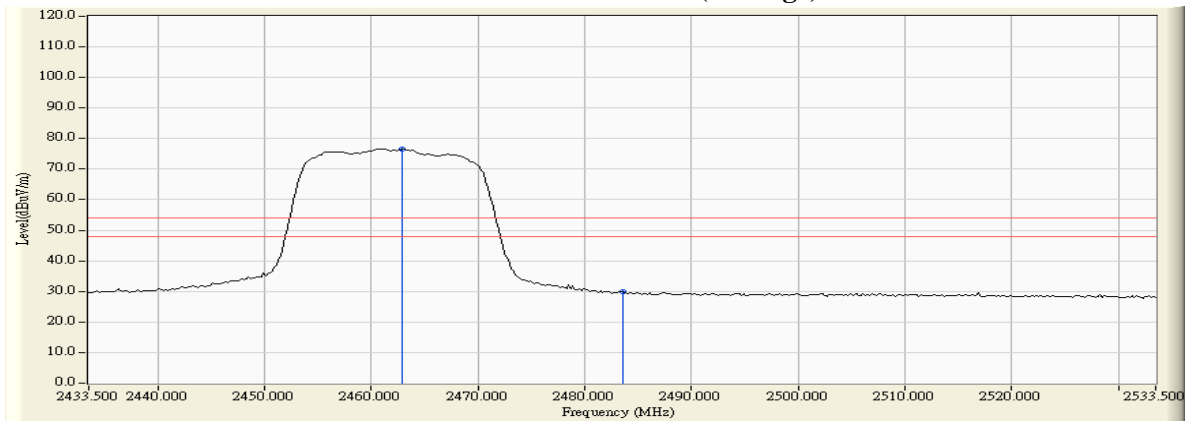
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : VUZE camera
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
11 (Peak)	2462.500	-2.621	88.480	85.858	--	--	--
11 (Peak)	2483.500	-2.601	42.104	39.502	74.00	54.00	Pass
11 (Peak)	2484.900	-2.600	42.360	39.759	74.00	54.00	Pass
11 (Average)	2462.900	-2.622	79.315	76.693	--	--	--
11 (Average)	2483.500	-2.601	32.490	29.888	74.00	54.00	Pass

Figure Channel 11: Horizontal (Peak)**Figure Channel 11: Horizontal (Average)**

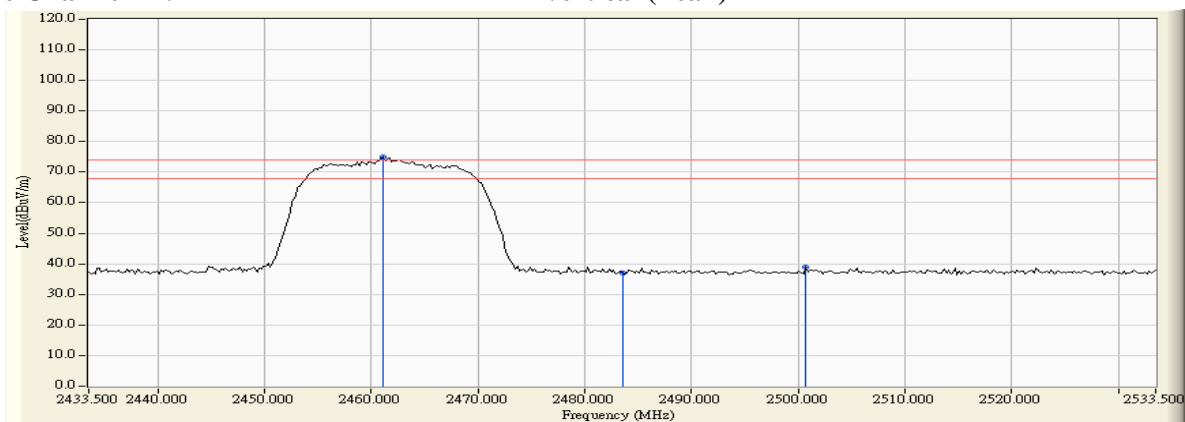
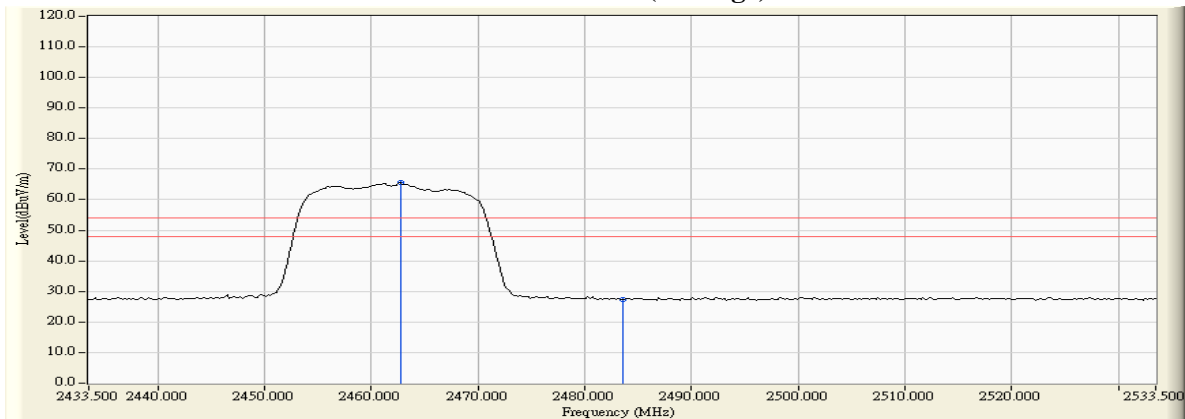
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : VUZE camera
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 2: Transmit (802.11g 6Mbps)(2462MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
11 (Peak)	2461.100	-4.037	79.119	75.082	--	--	--
11 (Peak)	2483.500	-3.966	40.847	36.880	74.00	54.00	Pass
11 (Peak)	2500.700	-3.906	42.807	38.901	74.00	54.00	Pass
11 (Average)	2462.700	-4.032	69.547	65.515	--	--	--
11 (Average)	2483.500	-3.966	31.423	27.456	74.00	54.00	Pass

Figure Channel 11: Vertical (Peak)**Figure Channel 11: Vertical (Average)**

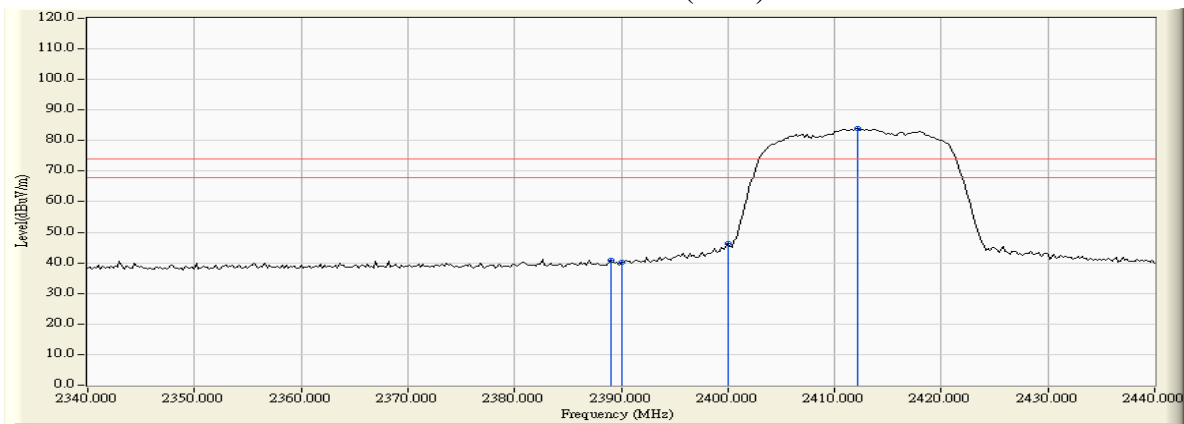
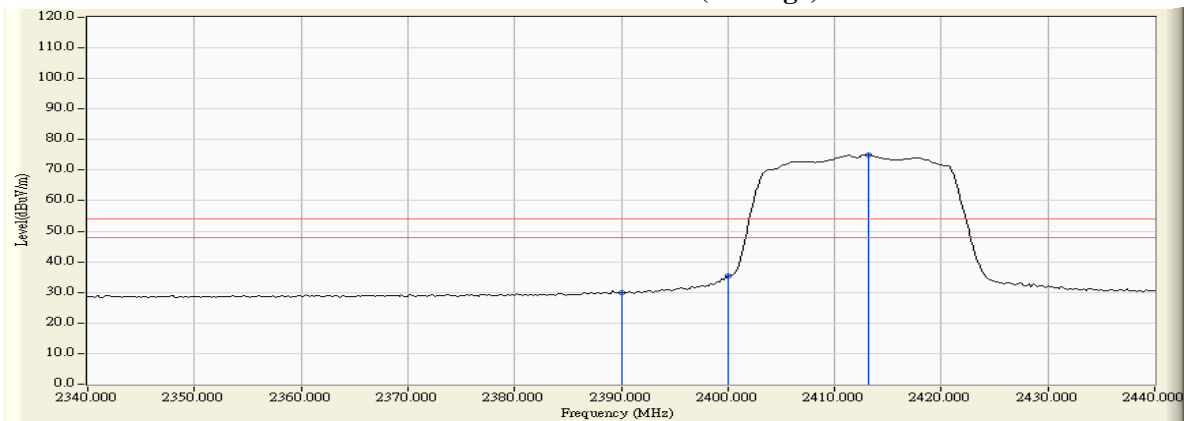
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : VUZE camera
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 3: Transmit (802.11n MCS0 6.5Mbps 20M-BW) (2412MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
01 (Peak)	2389.000	-2.692	43.660	40.969	74.00	54.00	Pass
01 (Peak)	2390.000	-2.687	42.913	40.226	74.00	54.00	Pass
01 (Peak)	2400.000	-2.660	49.040	46.380	--	--	--
01 (Peak)	2412.200	-2.644	86.769	84.126	--	--	--
01 (Average)	2390.000	-2.687	32.522	29.835	74.00	54.00	Pass
01 (Average)	2400.000	-2.660	38.116	35.456	--	--	--
01 (Average)	2413.200	-2.643	77.651	75.008	--	--	--

Figure Channel 01: Horizontal (Peak)**Figure Channel 01: Horizontal (Average)**

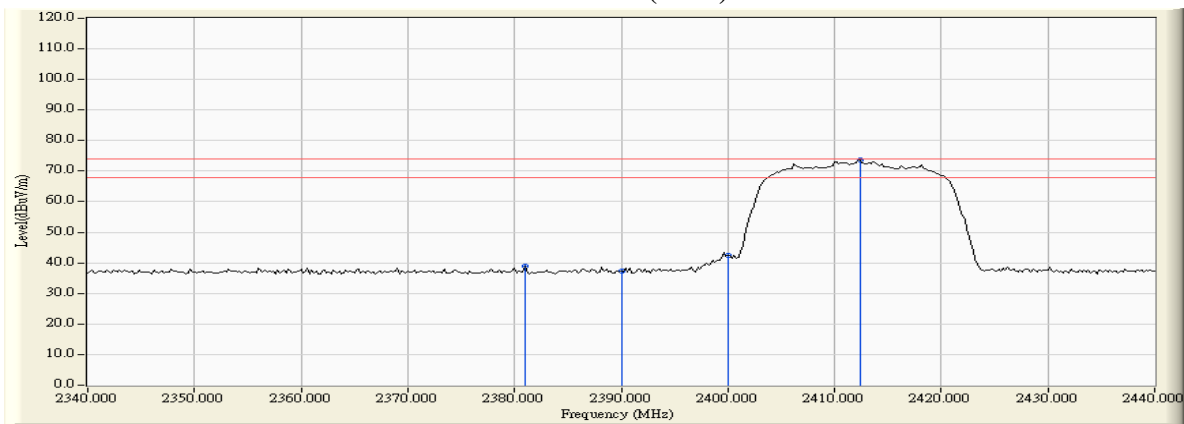
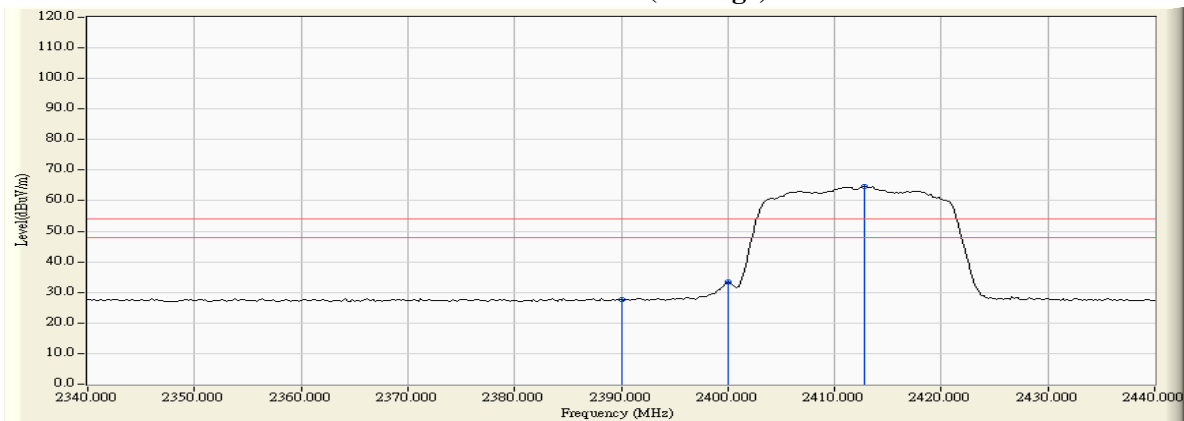
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : VUZE camera
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 3: Transmit (802.11n MCS0 6.5Mbps 20M-BW) (2412MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
01 (Peak)	2381.000	-4.129	43.111	38.982	74.00	54.00	Pass
01 (Peak)	2390.000	-4.159	41.581	37.422	74.00	54.00	Pass
01 (Peak)	2400.000	-4.171	46.796	42.625	--	--	--
01 (Peak)	2412.400	-4.166	77.680	73.515	--	--	--
01 (Average)	2390.000	-4.159	31.936	27.777	74.00	54.00	Pass
01 (Average)	2400.000	-4.171	37.739	33.568	--	--	--
01 (Average)	2412.800	-4.164	68.729	64.565	--	--	--

Figure Channel 01: Vertical (Peak)

Figure Channel 01: Vertical (Average)


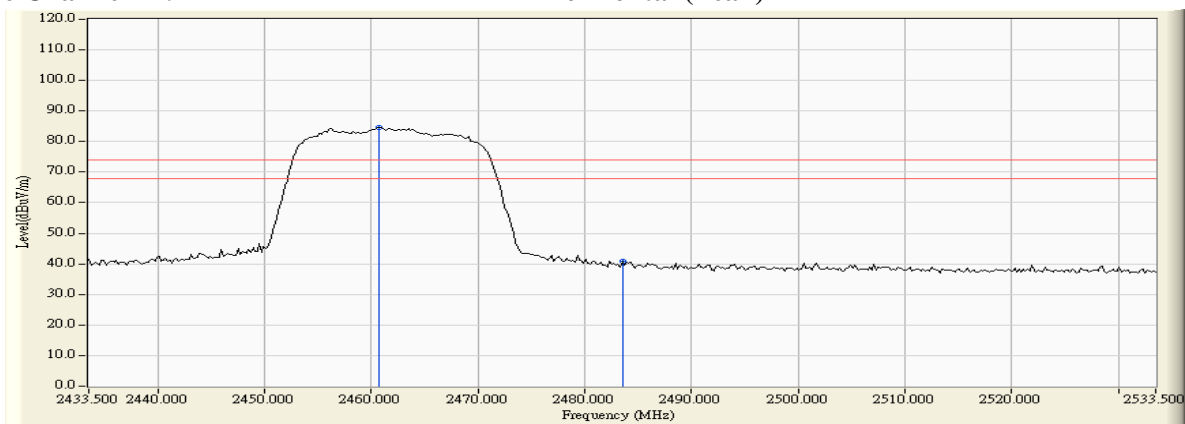
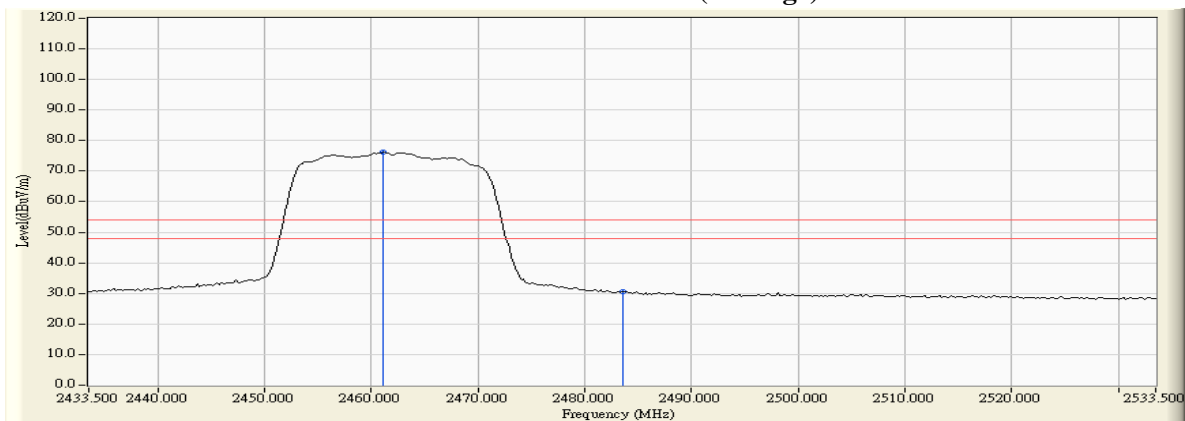
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : VUZE camera
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 3: Transmit (802.11n MCS0 6.5Mbps 20M-BW) (2462MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
11 (Peak)	2460.700	-2.623	87.132	84.508	--	--	--
11 (Peak)	2483.500	-2.601	43.438	40.836	74.00	54.00	Pass
11 (Average)	2461.100	-2.623	78.794	76.171	--	--	--
11 (Average)	2483.500	-2.601	33.028	30.426	74.00	54.00	Pass

Figure Channel 11: Horizontal (Peak)

Figure Channel 11: Horizontal (Average)


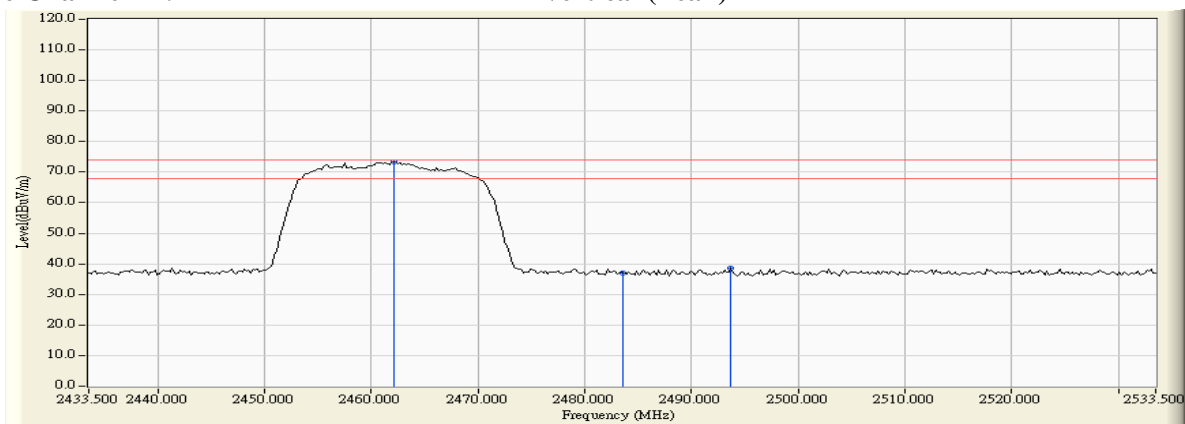
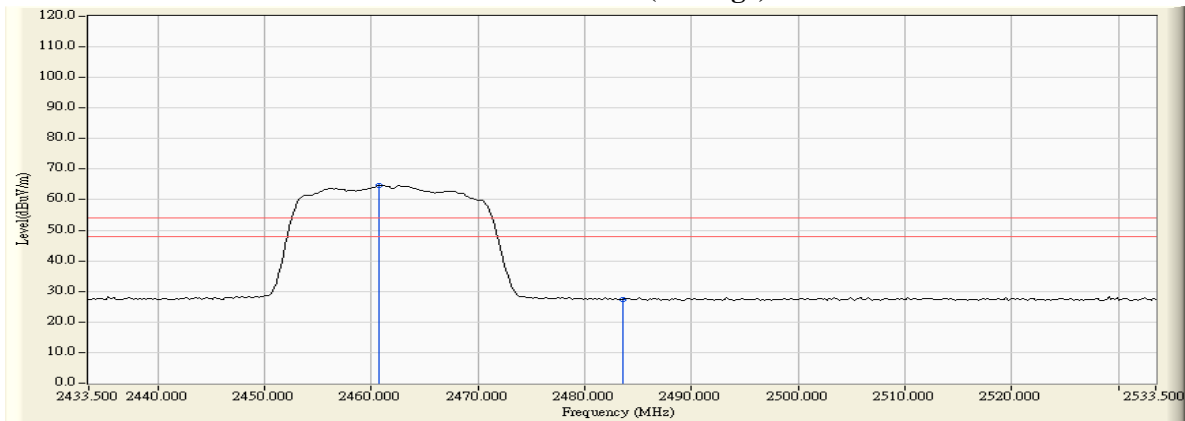
Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : VUZE camera
 Test Item : Band Edge
 Test Site : No.3 OATS
 Test date : 2017/06/08
 Test Mode : Mode 3: Transmit (802.11n MCS0 6.5Mbps 20M-BW) (2462MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dB μ V)	Emission Level (dB μ V/m)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)	Result
11 (Peak)	2462.100	-4.035	77.512	73.478	--	--	--
11 (Peak)	2483.500	-3.966	40.897	36.930	74.00	54.00	Pass
11 (Peak)	2493.700	-3.934	42.584	38.649	74.00	54.00	Pass
11 (Average)	2460.700	-4.038	68.782	64.743	--	--	--
11 (Average)	2483.500	-3.966	31.428	27.461	74.00	54.00	Pass

Figure Channel 11: Vertical (Peak)

Figure Channel 11: Vertical (Average)


Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

5. EMI Reduction Method During Compliance Testing

No modification was made during testing.

Attachment 1: EUT Test Photographs

Attachment 2: EUT Detailed Photographs