

FCC PART 15C TEST REPORT FOR CERTIFICATION

On Behalf of

Shanghai Xiaoyi Technology Co., Ltd.

YI Smart Dash Camera, Smart Dash Camera

YCS.1A17

Brand Name: The YI logo, consisting of the letters "YI" in a stylized, red, blocky font.

FCC ID: 2AFIB-YCS1A17

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Date of Test : Nov.02~09,2017
Date of Report : Nov.13,2017

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TEST REPORT CERTIFICATION

Applicant : Shanghai Xiaoyi Technology Co., Ltd.
Manufacturer : Shanghai Xiaoyi Technology Co., Ltd.
Product : YI Smart Dash Camera, Smart Dash Camera
FCC ID : 2AFIB-YCS1A17
(A) Model No. : YCS.1A17
(B) Brand Name : 
(C) Power Supply : 5Vdc from car charge
3.7Vdc from battery (Internal Li-Polymer Battery)

Tested for comply with:
FCC CFR 47 Part 15 Subpart C

Test procedure used:
ANSI C63.10: 2013
KDB558074 D01 v04

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

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

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

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

Date of Test : Nov.02~09,2017 Report of date: Nov.13,2017

Prepared by : Brave Zhang Reviewed by : Sunny Lu
Brave Zhang / Assistant Sunny Lu / Deputy Manager

AUDIX[®] 信華科技(深圳)有限公司
Audix Technology (Shenzhen) Co., Ltd.
EMC 部門報告專用章

Stamp only for EMC Dept. Report

Signature: David Jin

Approved & Authorized Signer:

David Jin / Manager

1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

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

EMISSION		
Description of Test Item	Standard	Results
Power Line Conducted Emission	FCC Part 15: 15.207	PASS
Radiated Emission	FCC Part 15: 15.209	PASS
Band Edge Compliance	FCC Part 15: 15.247	PASS
Conducted spurious emissions	FCC Part 15: 15.247	PASS
6dB Bandwidth	FCC Part 15: 15.247	PASS
Peak Output Power	FCC Part 15: 15.247	PASS
Power Spectral Density	FCC Part 15: 15.247	PASS
MPE Estimation	FCC Part 15: 15.247	PASS
Antenna requirement	FCC Part 15: 15.203	PASS
N/A is an abbreviation for Not Applicable.		

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

Product	: YI Smart Dash Camera, Smart Dash Camera
Model No.	: YCS.1A17
FCC ID	: 2AFIB-YCS1A17
Radio	: IEEE802.11 b/g/n
Operation Frequency	: IEEE 802.11b: 2412MHz—2462MHz IEEE 802.11g: 2412MHz—2462MHz IEEE802.11nHT20: 2412MHz—2462MHz IEEE802.11nHT40:2422MHz—2452MHz
Modulation Technology	: IEEE 802.11b: DSSS(CCK,DQPSK,BPSK) IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK,BPSK)
Antenna Assembly Gain	: Antenna Type: FPC Board WIFI 2.4GHz: 3.0dBi
Applicant	: Shanghai Xiaoyi Technology Co., Ltd. 6F, Building E, No.2889, Jinke Road, Shanghai, China
Manufacturer	: Shanghai Xiaoyi Technology Co., Ltd. 6F, Building E, No.2889, Jinke Road, Shanghai, China
Nominal Voltage	: 5Vdc from car charge 3.7Vdc from battery (Internal Li-Polymer Battery)
Normal Test Voltage	: 5Vdc
Micro USB Power Cord	: Unshielded, Detachable, 3.5m (Without core)
USB Car charger (Option)	: (1)Manufacturer: DVE, M/N: DOA-5K05 050100 Input: DC 10-30V Output : DC 5V $\overline{\text{---}}$ 1A (2)Manufacturer: YI, M/N: CP28 Input: DC 12-24V Output : DC 5V $\overline{\text{---}}$ 3.4A
Date of Test	: Nov.02~09,2017
Date of Receipt	: Oct.31,2017
Sample Type	: Prototype production

2.2. Test Information

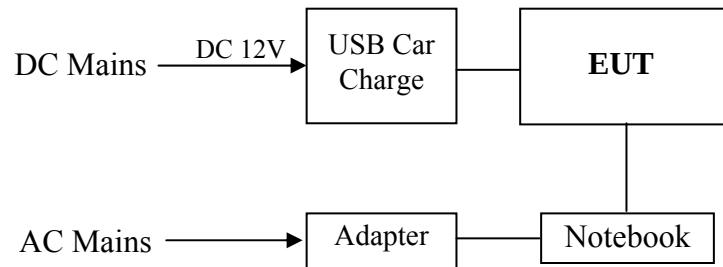
A special test software was used to control EUT work in Continuous TX mode(nearly 100% duty cycle), and select test channel, wireless mode and data rate.

Tested mode, channel, and data rate information			
Mode	data rate (Mbps)(see Note)	Channel	Frequency (MHz)
IEEE 802.11b	1	Low :CH1	2412
	1	Middle: CH6	2437
	1	High: CH11	2462
IEEE 802.11g	6	Low :CH1	2412
	6	Middle: CH6	2437
	6	High: CH11	2462
IEEE 802.11n HT20	MCS0	Low :CH1	2412
	MCS0	Middle: CH6	2437
	MCS0	High: CH11	2462
IEEE 802.11n HT40	MCS0	Low :CH3	2422
	MCS0	Middle: CH6	2437
	MCS0	High: CH9	2452
Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.			

2.1. Tested Supporting System Details

No.	Description	ACS No.	Manufacturer	Model	Serial Number
1.	Notebook	N/A	Lenovo	ThinkPad E450	N/A

2.2. Block diagram of connection between the EUT and simulators



(EUT: YI Smart Dash Camera, Smart Dash Camera)

2.3. Test Facility

Site Description

Name of Firm : Audix Technology (Shenzhen) Co., Ltd.
No. 6, Kefeng Road, Science & Technology Park,
Nanshan District , Shenzhen, Guangdong, China

EMC Lab. : Certificated by FCC, USA
Registration No: 399142
Valid Date: Mar.31, 2018

: Certificated by Industry Canada
Registration Number: IC 5183A-1
Valid Date: May.07, 2020

: Certificated by DAkkS, Germany
Registration No: D-PL-12151-01-00
Valid Date: Dec.07, 2021

: Accredited by NVLAP, USA
NVLAP Code: 200372-0
Valid Date: Mar.31, 2018

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

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

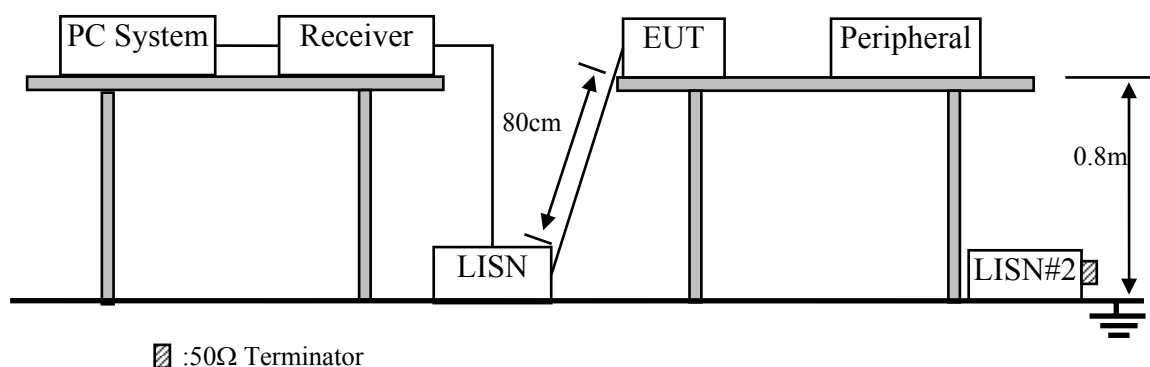
3. POWER LINE CONDUCTED EMISSION TEST

3.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	1# Shielding Room	AUDIX	N/A	N/A	Apr.17,17	1 Year
2.	Test Receiver	Rohde & Schwarz	ESCI	100842	Apr.22,17	1 Year
3.	L.I.S.N.	Rohde & Schwarz	ENV216	102160	Mar.06.17	1 Year
4.	L.I.S.N.#2	Kyoritsu	K NW-403D	8-1750-2	Apr.22,17	1 Year
5.	I.S.N.	TESEQ	S751	24559	Mar.06.17	1.year
6.	Terminator	Hubersuhner	50Ω	No.1	Apr.23,17	1 Year
7.	Terminator	Hubersuhner	50Ω	No.2	Apr.23,17	1 Year
8.	RF Cable	Fujikura	RG55/U	NO.2	Apr.22,17	1Year
9.	Coaxial Switch	Anritsu	MP59B	6201397223	Apr.22,17	1 Year
10.	Test Software	AUDIX	e3	6.100913a	N/A	N/A

Note: N/A means Not applicable.

3.2. Block Diagram of Test Setup



3.3. Power Line Conducted Emission Test Limits

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

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

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

3.4. Configuration of EUT on Test

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

3.4.1. YI Smart Dash Camera, Smart Dash Camera (EUT)

Model No. : YCS.1A17

Serial No. : N/A

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

3.5. Operating Condition of EUT

3.5.1. Setup the EUT and simulator as shown as Section 3.2.

3.5.2. Turn on the power of all equipments.

3.5.3. PC run test software to control EUT work in Tx (WiFi 2.4GHz) mode.

3.6. Test Procedure

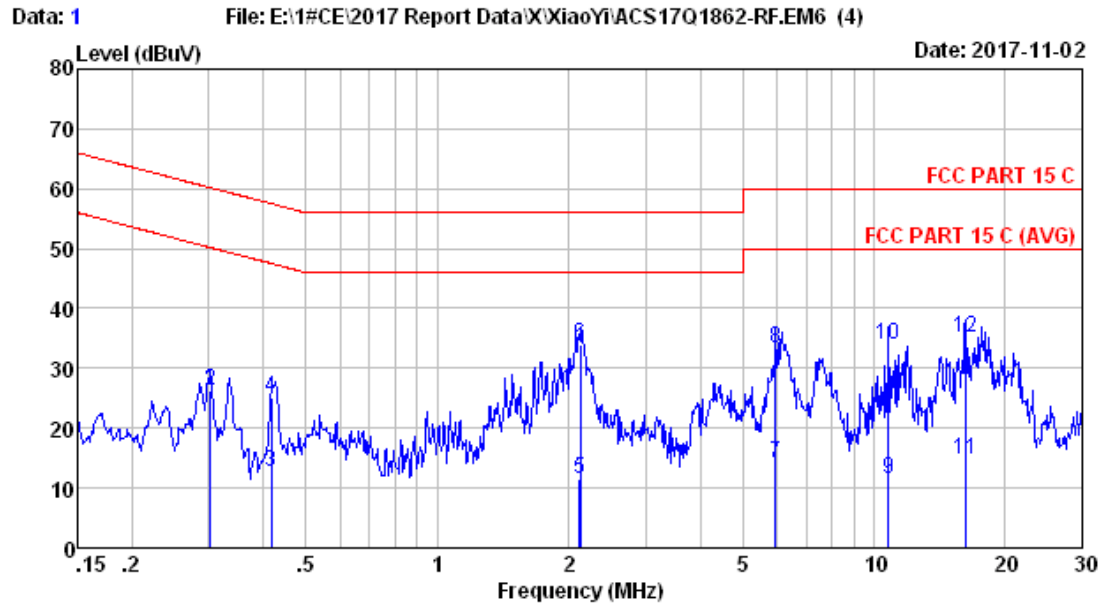
The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power Via PC connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs).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

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

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

3.7. Power Line Conducted Emission Test Results

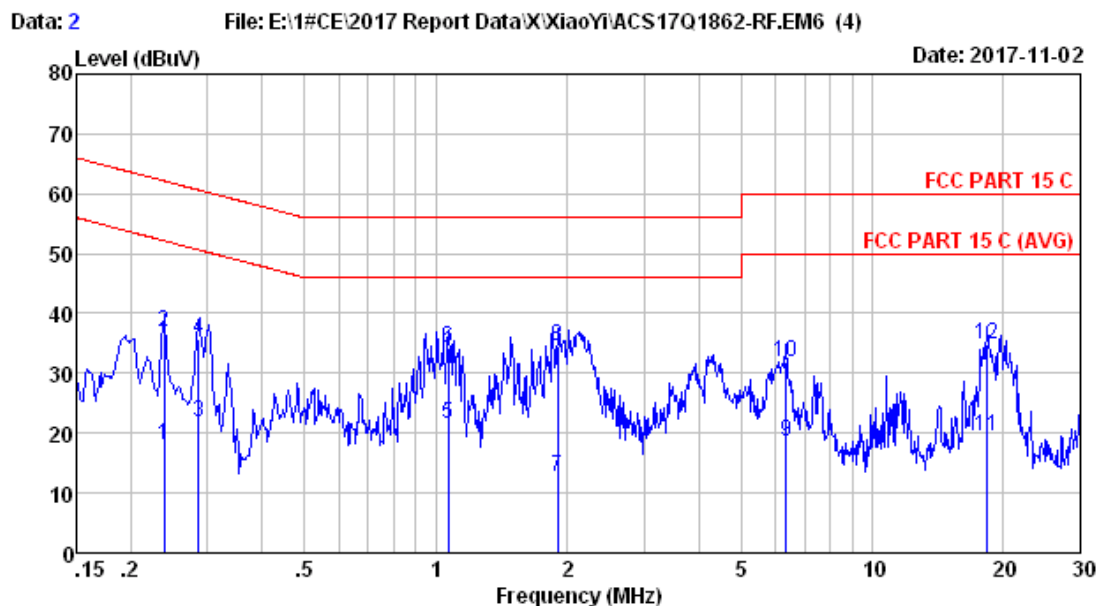
PASS. (All emissions not reported below are too low against the prescribed limits.)



Site no :1# CE Data No :1
Dis./Lisn :2017 ESH3-Z6 023 LISN phase:
Limit :FCC PART 15 C
Env./Ins. :26°C/58% Engineer :Apple
EUT :YCS.1A17
Power Rating :DC 12V
Test Mode :TX Mode

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.302	0.28	0.03	25.83	26.14	50.19	24.05	Average
2	0.302	0.28	0.03	25.83	26.14	60.19	34.05	QP
3	0.417	0.22	0.03	12.39	12.64	47.51	34.87	Average
4	0.417	0.22	0.03	24.84	25.09	57.51	32.42	QP
5	2.121	0.13	0.07	11.39	11.59	46.00	34.41	Average
6	2.121	0.13	0.07	33.61	33.81	56.00	22.19	QP
7	5.961	0.12	0.10	14.08	14.30	50.00	35.70	Average
8	5.961	0.12	0.10	33.24	33.46	60.00	26.54	QP
9	10.790	0.13	0.11	11.34	11.58	50.00	38.42	Average
10	10.790	0.13	0.11	33.69	33.93	60.00	26.07	QP
11	16.226	0.15	0.12	14.36	14.63	50.00	35.37	Average
12	16.226	0.15	0.12	34.81	35.08	60.00	24.92	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
2.If the average limit is met when using a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.



Site no :1# CE Data No :2
Dis./Lisn :2017 ESH3-Z6 022 LISN phase:
Limit :FCC PART 15 C
Env./Ins. :26°C/58% Engineer :Apple
EUT :YCS.1A17
Power Rating :DC 12V
Test Mode :TX Mode

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.238	0.27	0.02	17.86	18.15	52.17	34.02	Average
2	0.238	0.27	0.02	36.47	36.76	62.17	25.41	QP
3	0.286	0.22	0.03	21.45	21.70	50.63	28.93	Average
4	0.286	0.22	0.03	35.45	35.70	60.63	24.93	QP
5	1.065	0.10	0.05	21.35	21.50	46.00	24.50	Average
6	1.065	0.10	0.05	34.14	34.29	56.00	21.71	QP
7	1.898	0.09	0.07	12.46	12.62	46.00	33.38	Average
8	1.898	0.09	0.07	34.23	34.39	56.00	21.61	QP
9	6.352	0.10	0.10	18.40	18.60	50.00	31.40	Average
10	6.352	0.10	0.10	31.65	31.85	60.00	28.15	QP
11	18.232	0.13	0.12	19.27	19.52	50.00	30.48	Average
12	18.232	0.13	0.12	34.67	34.92	60.00	25.08	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
2.If the average limit is met when using a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

4. RADIATED EMISSION TEST

4.1. Test Equipment

4.1.1. For frequency range 30MHz~1000MHz (In 3m Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3#Chamber	AUDIX	N/A	N/A	Mar.28,17	1 Year
2.	Spectrum Analyzer	Agilent	N9010A	MY52220804	Oct.14,17	1 Year
3.	EMI Test Receiver	Rohde & Schwarz	ESR7	101547	Apr.22,17	1 Year
4.	Amplifier	HP	8447D	2648A04738	Apr.22,17	1 Year
5.	Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	493	Jun.27.17	1 Year
6.	Loop Antenna	Chase	HLA6120	1062	Oct.15,17	1 Year
7.	RF Cable	MIYAZAKI	CFD400NL-LW	NO.4	Sep.02.17	1 Year
8.	Coaxial Switch	Anritsu	MP59B	6201397222	Apr.22,17	1 Year
9.	Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A	N/A

Note: N/A means Not applicable.

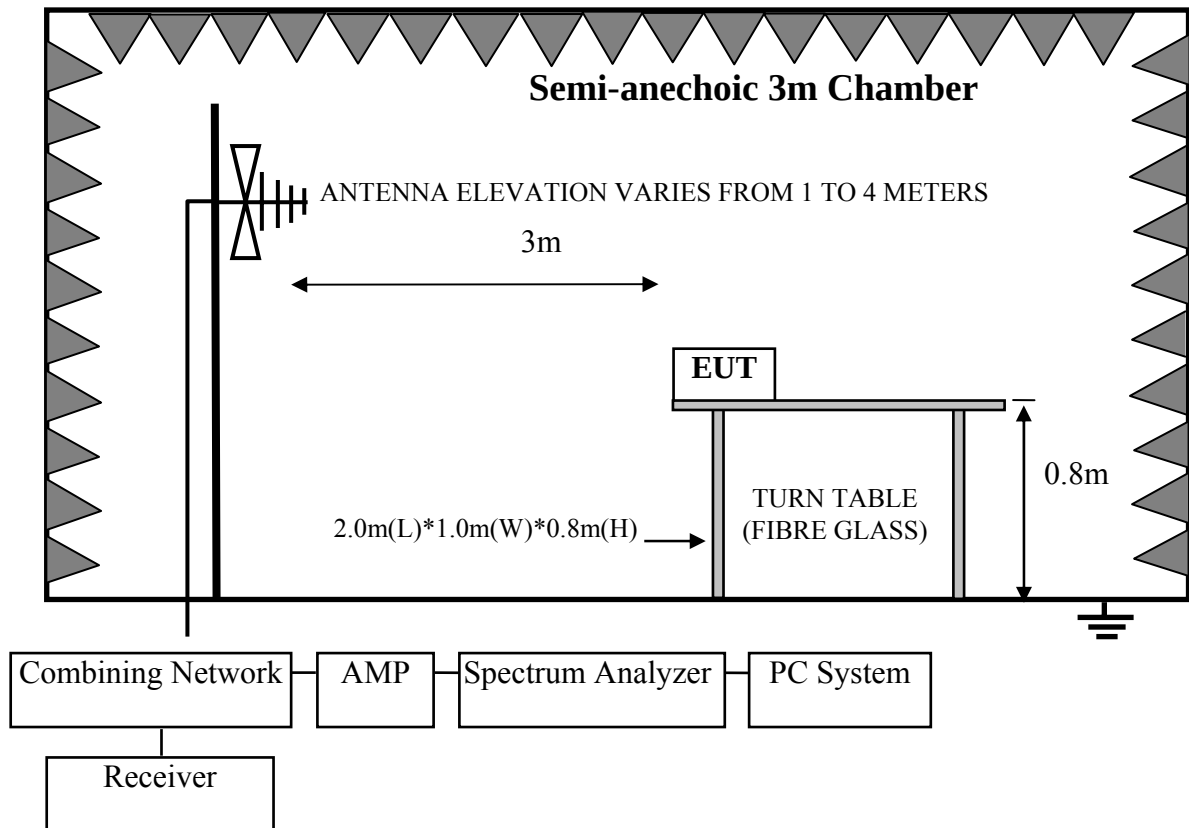
4.1.2. For frequency range 1GHz~40GHz (In 3m Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3#Chamber	AUDIX	N/A	N/A	Mar.28,17	1 Year
2.	Spectrum Analyzer	Agilent	N9010A	MY52220804	Oct.14,17	1 Year
3.	Amplifier	Agilent	83017A	MY53270084	May.08,17	1 Year
4.	RF Cable	Hubersuhner	SUCOFLEX104	274094/4	Apr.22,17	1 Year
5.	Horn Antenna	ETS	3115	9510-4580	Nov.16,16	1 Year
6.	Horn Antenna	ETS	3116	00060089	Nov.16,16	1 Year
7.	Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A	N/A

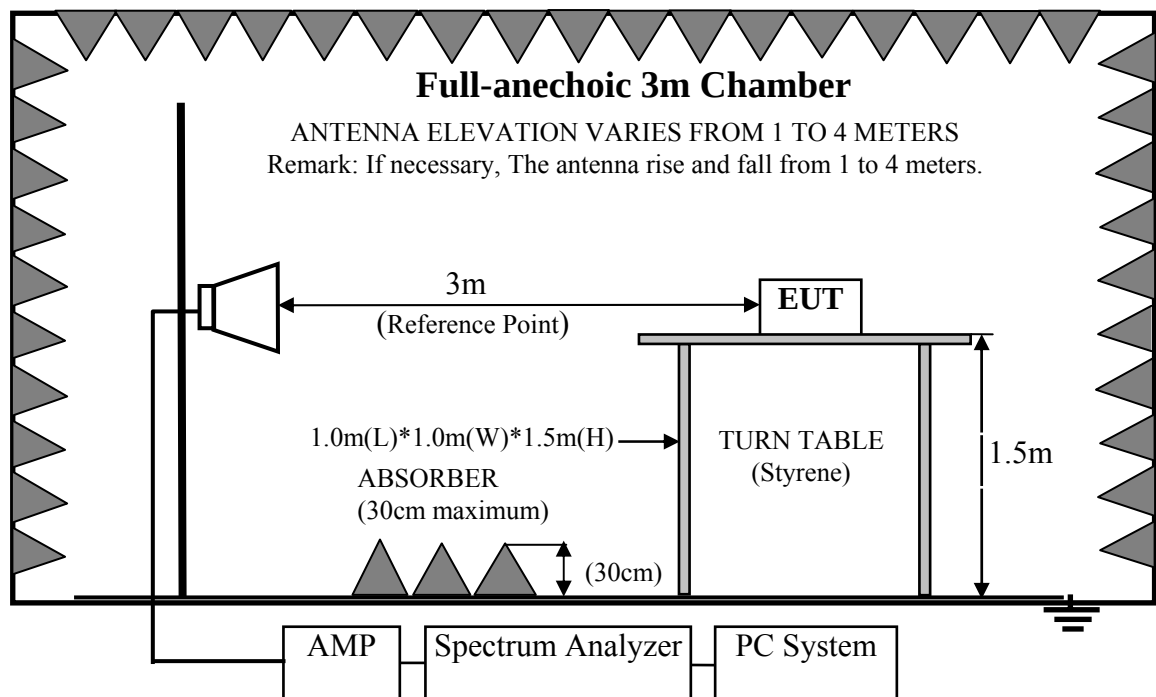
Note: N/A means Not applicable.

4.2. Block Diagram of Test Setup

For frequency range 30MHz-1000MHz



For frequency range 1GHz-25GHz



4.3. Radiated Emission Limit

4.3.1. 15.247&209 limits

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

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

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

4.3.2. 15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions or comply with 15.209 limits.

4.4. EUT Configuration on Test

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

4.4.1. YI Smart Dash Camera, Smart Dash Camera (EUT)

Model Number : YCS.1A17

Serial Number : N/A

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

4.5. Operating Condition of EUT

- 4.5.1. Setup the EUT and simulator as shown as Section 4.2.
- 4.5.2. Turn on the power of all equipments.
- 4.5.3. Let EUT work in Tx(WiFi 2.4GHz) mode

4.6. Test Procedure

Frequency below 30MHz:

The EUT setup on the turn table which has 0.8 m height to the ground. The turn table rotated 360 degrees and antenna fixed to 1 m to find the maximum emission level. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10-2013 regulation.

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

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

The bandwidth of the EMI test receiver (R&S ESR7) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's VBW is set at 3MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

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

4.7.Radiated Emission Test Results

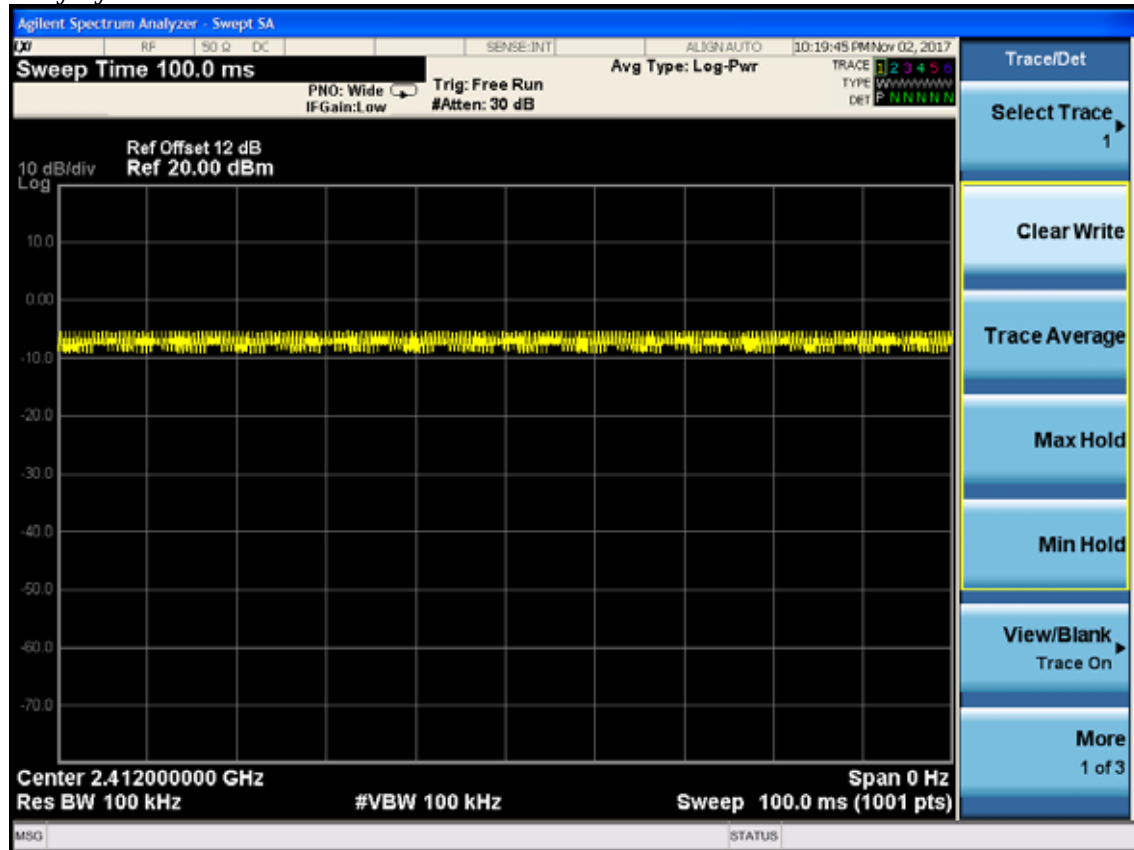
PASS.

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

Note 1: For emissions above 1GHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.

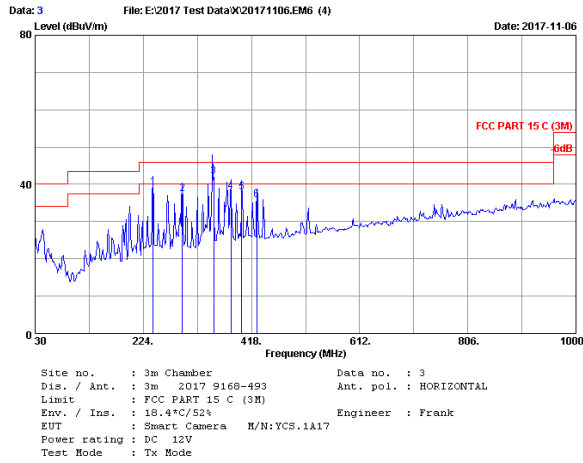
Note 2:The emissions (9kHz~30MHz) not reported for there is no emission be found.

Duty cycle



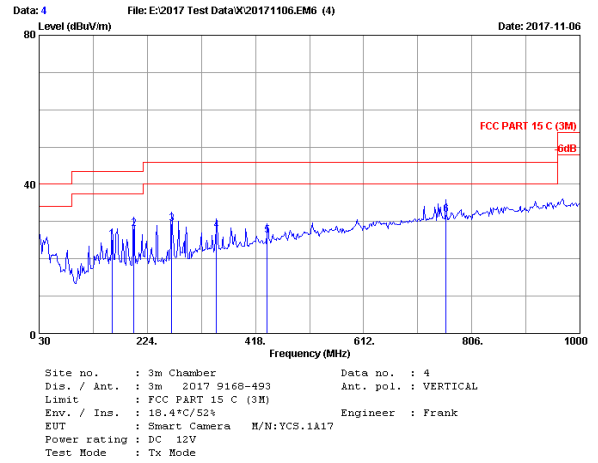
Note: The Duty Cycle is close to 100%.

Frequency: 30MHz~1GHz



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Emission Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	241.46	18.15	1.89	0.00	19.13	39.17	46.00	6.83	QP
2	293.84	19.78	2.21	0.00	15.38	37.37	46.00	8.63	QP
3	350.00	21.06	2.57	0.00	18.40	42.03	46.00	3.97	QP
4	381.14	21.78	2.77	0.00	13.63	38.18	46.00	7.82	QP
5	400.54	22.22	2.89	0.00	12.87	37.98	46.00	8.02	QP
6	427.70	22.73	2.97	0.00	10.16	35.86	46.00	10.14	QP

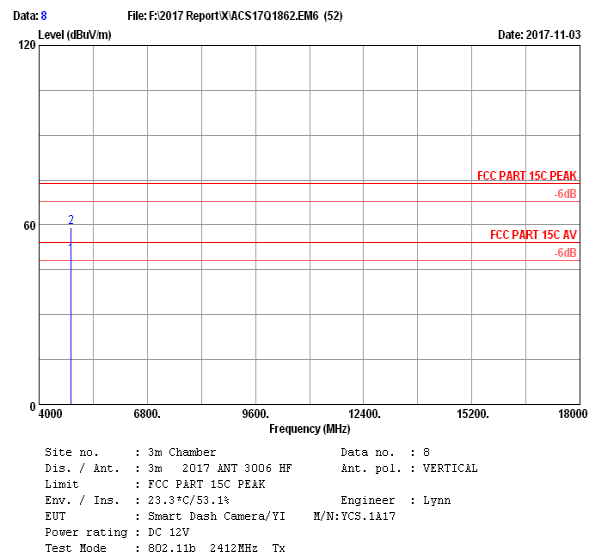
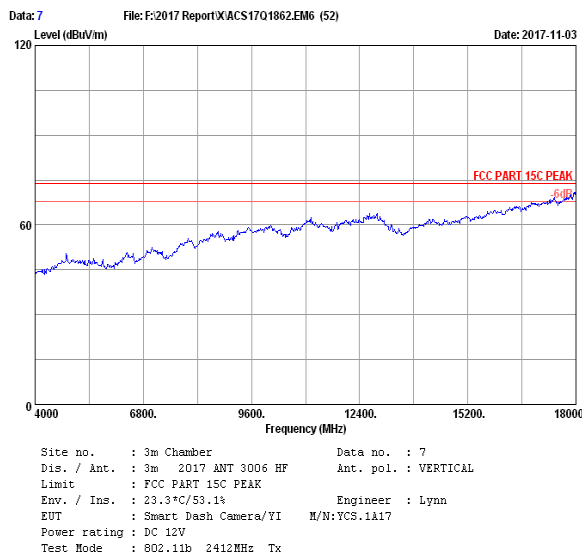
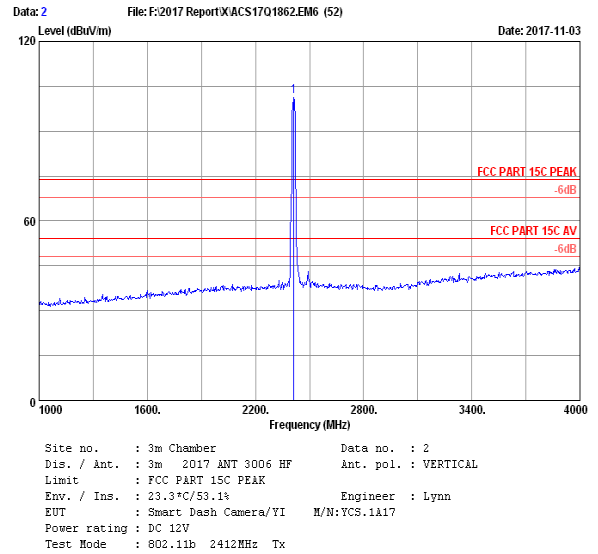
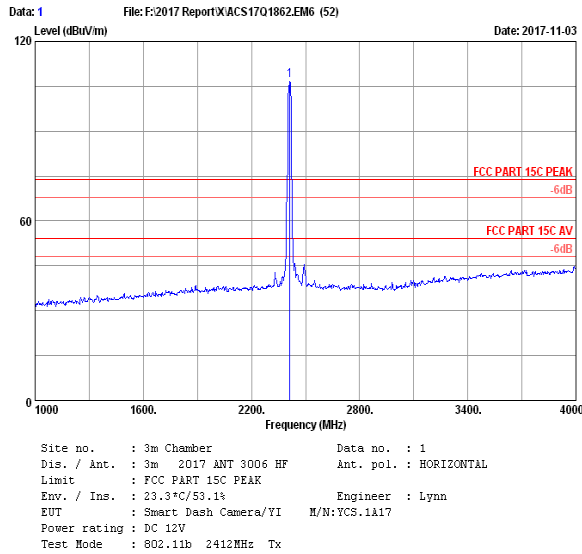
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.

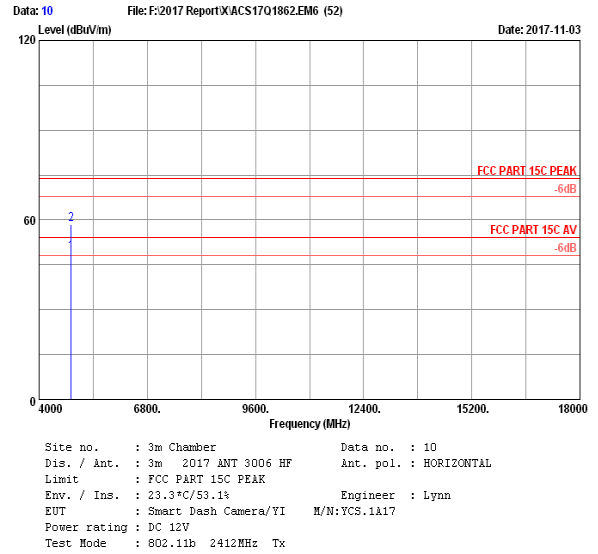
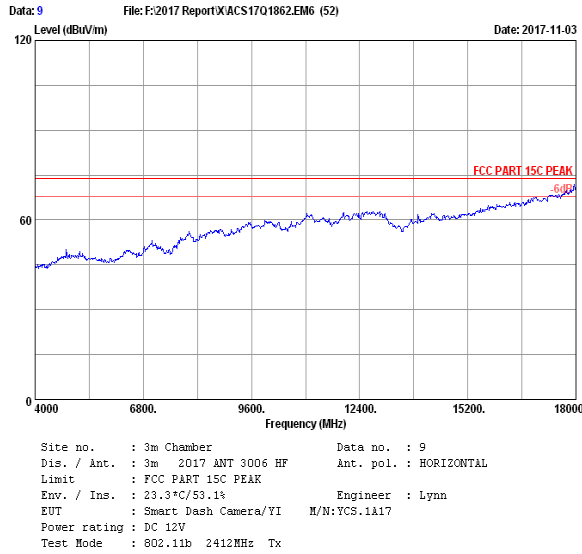


No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Emission Reading Level (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	160.95	19.62	1.43	0.00	4.05	25.10	43.50	18.40	QP
2	199.75	16.90	1.64	0.00	9.59	28.13	43.50	15.37	QP
3	267.65	18.94	2.05	0.00	8.46	29.45	46.00	16.55	QP
4	348.16	21.02	2.56	0.00	4.08	27.66	46.00	18.34	QP
5	439.34	22.95	3.00	0.00	0.45	26.40	46.00	19.60	QP
6	759.44	27.91	4.36	0.00	-0.39	31.88	46.00	14.12	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp factor.
 2. The emission levels that are 20dB below the official limit are not reported.

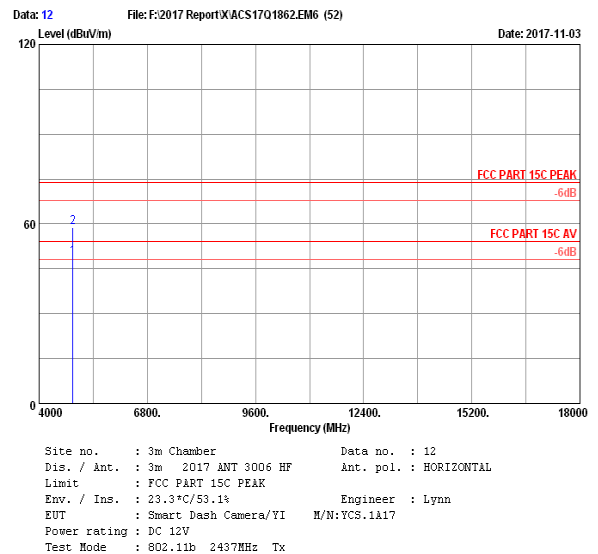
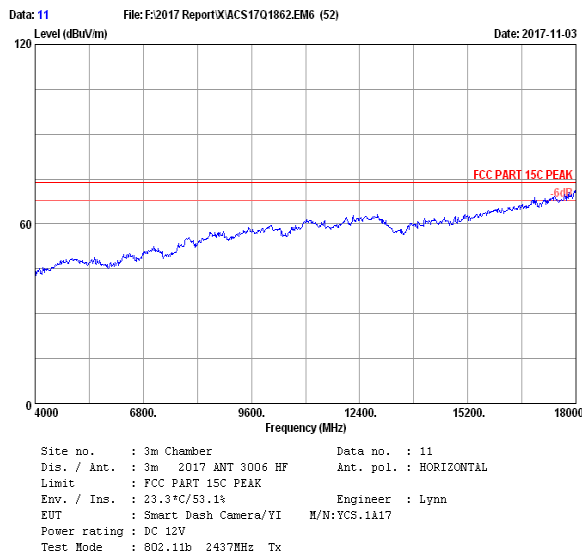
Frequency: 1GHz~18GHz





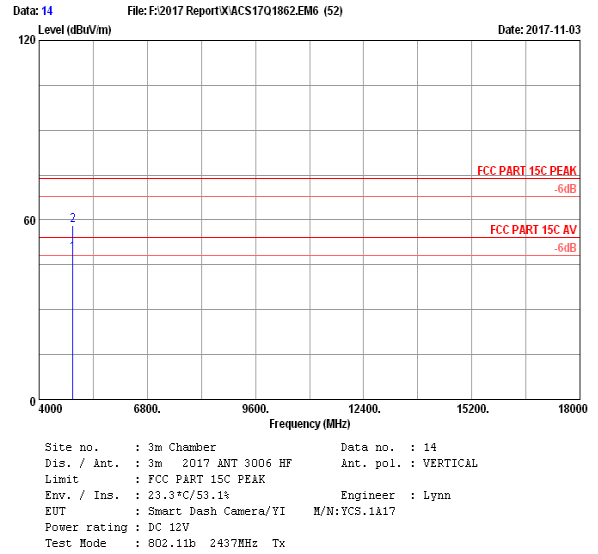
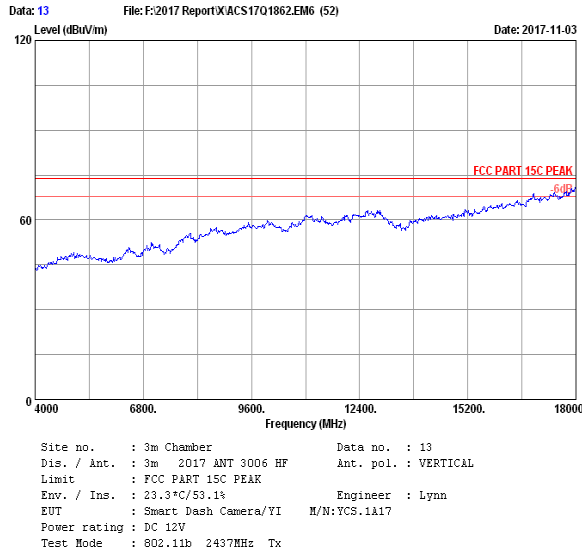
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	33.46	12.11	37.40	49.17	54.00	4.83	Average
2	4824.000	33.46	12.11	46.61	58.38	74.00	15.62	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



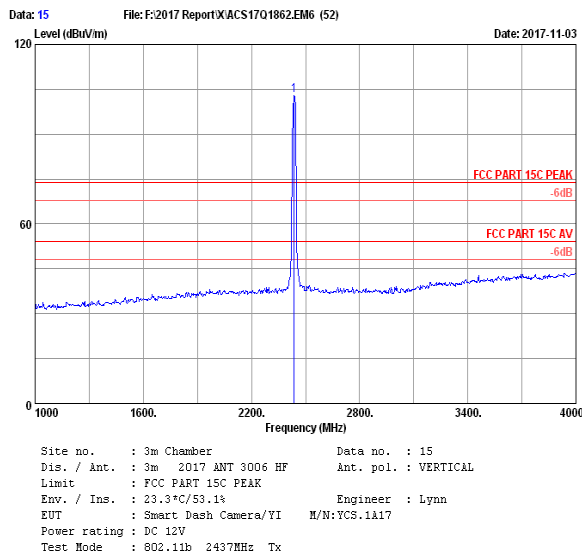
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	33.56	12.22	36.73	48.76	54.00	5.24	Average
2	4874.000	33.56	12.22	46.89	58.92	74.00	15.08	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



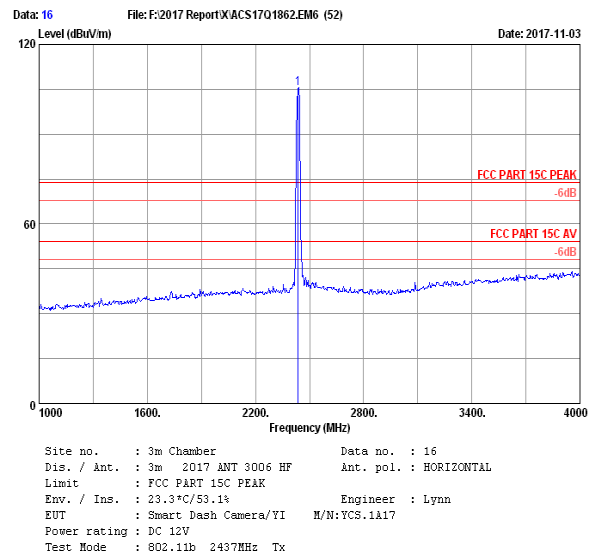
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	33.56	12.22	36.66	48.69	54.00	5.31	Average
2	4874.000	33.56	12.22	46.20	58.23	74.00	15.77	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



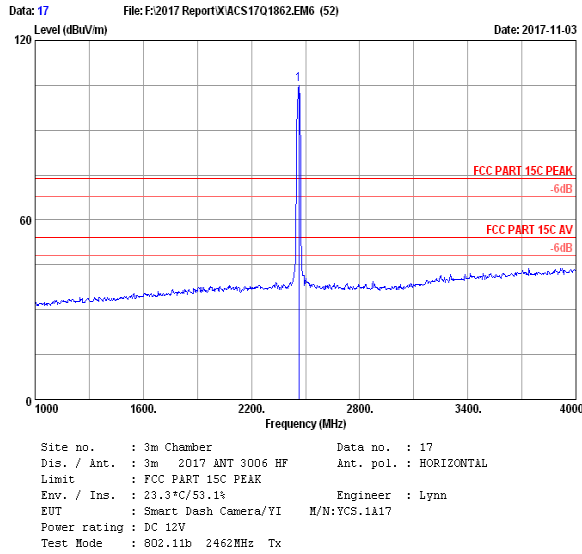
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	28.03	7.95	102.68	103.02	74.00	-29.02	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



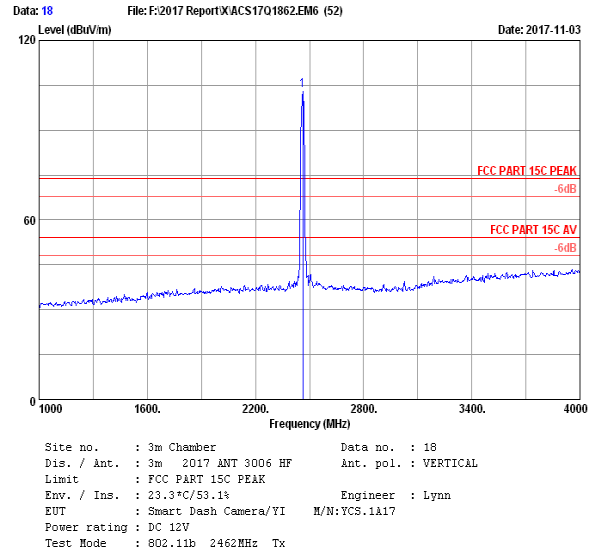
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	28.03	7.95	104.87	105.21	74.00	-31.21	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



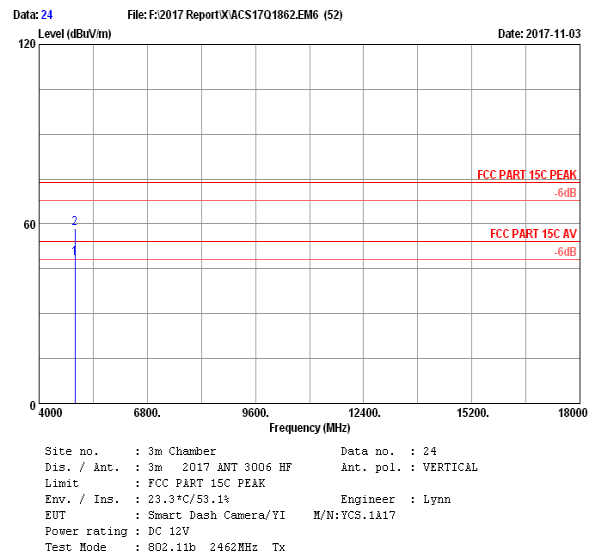
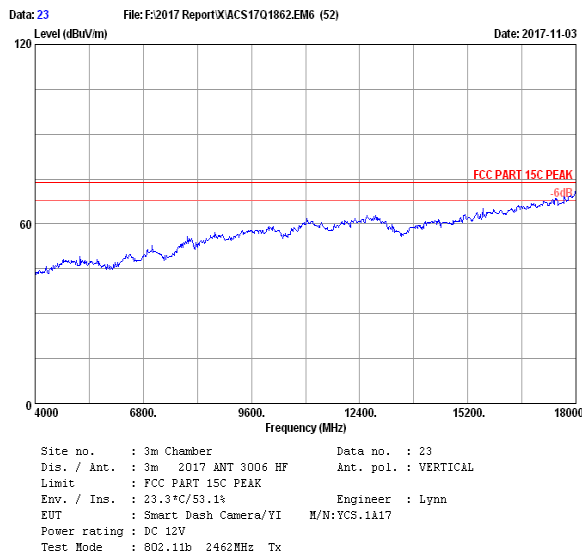
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	28.05	7.98	104.83	105.18	74.00	-31.18	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



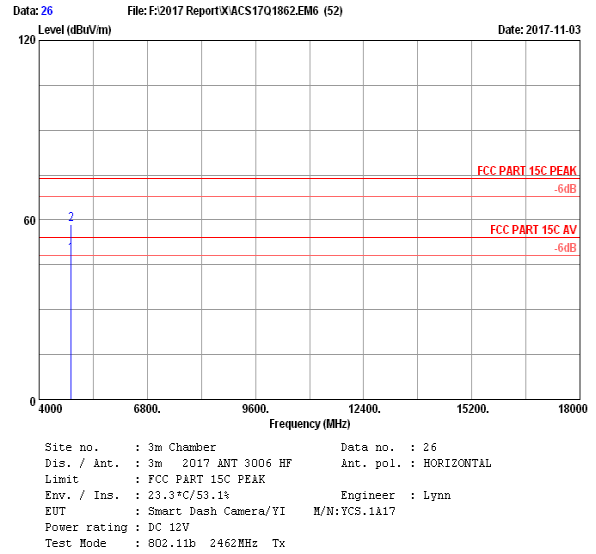
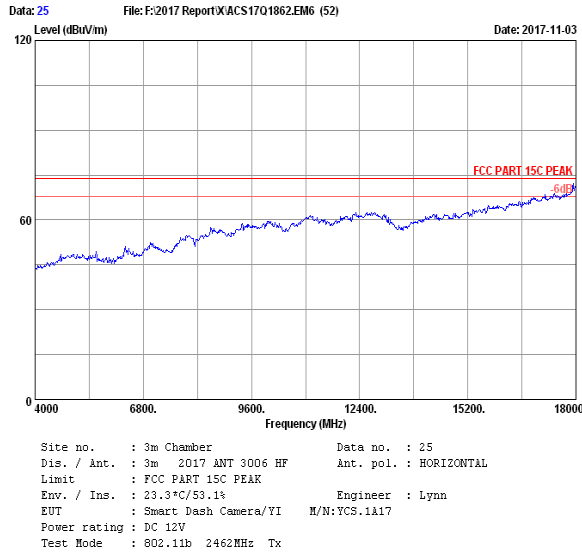
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	28.05	7.98	102.93	103.28	74.00	-29.28	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



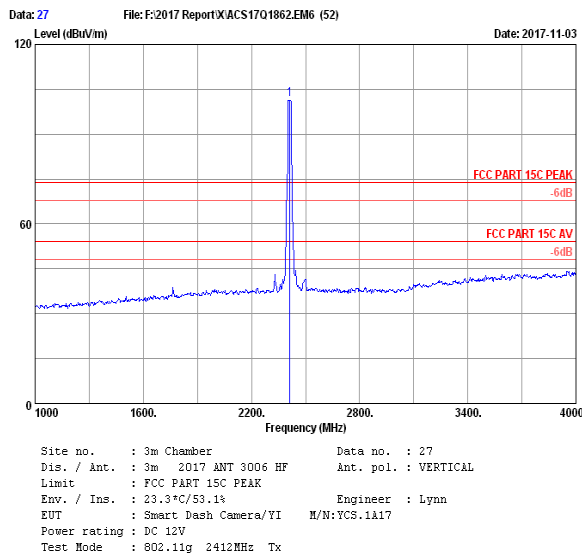
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	33.66	12.30	36.16	48.41	54.00	5.59	Average
2	4924.000	33.66	12.30	46.17	58.42	74.00	15.58	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



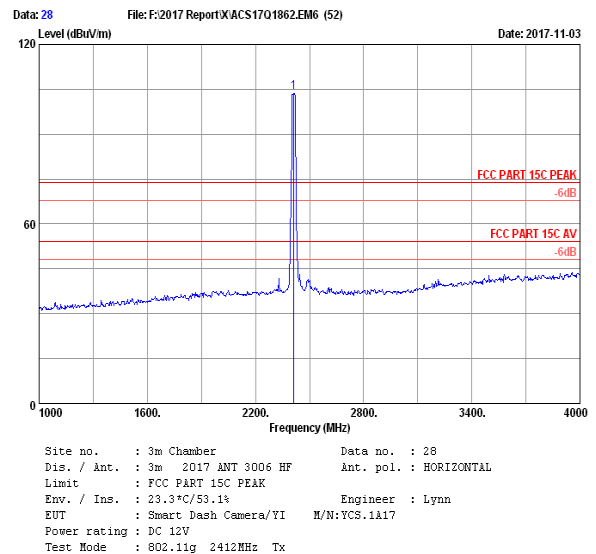
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	33.46	12.11	36.67	48.44	54.00	5.56	Average
2	4824.000	33.46	12.11	46.70	58.47	74.00	15.53	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



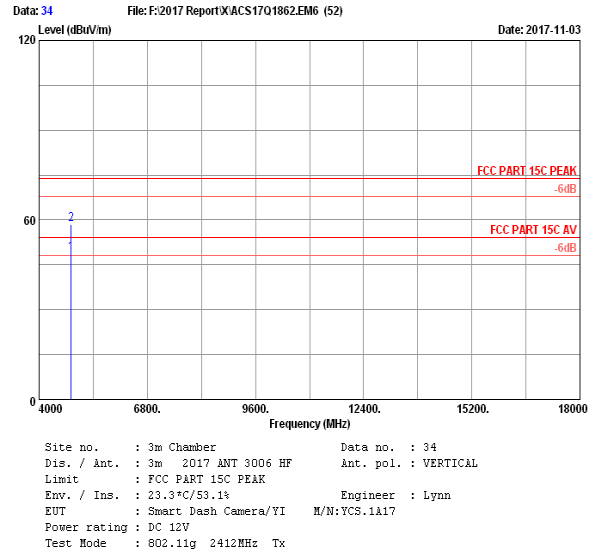
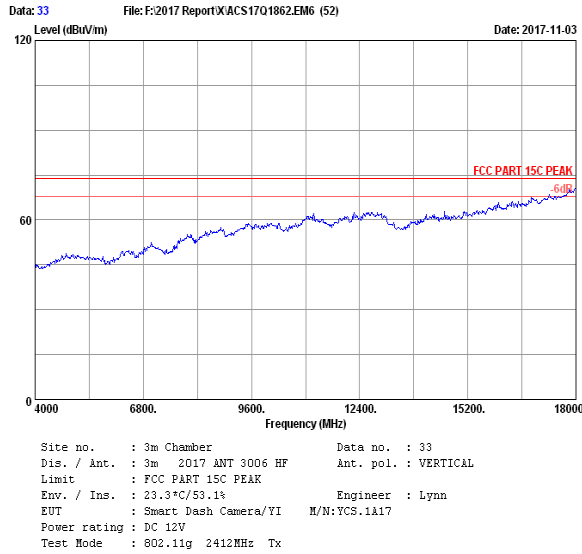
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.000	27.98	7.91	101.33	101.61	74.00	-27.61	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



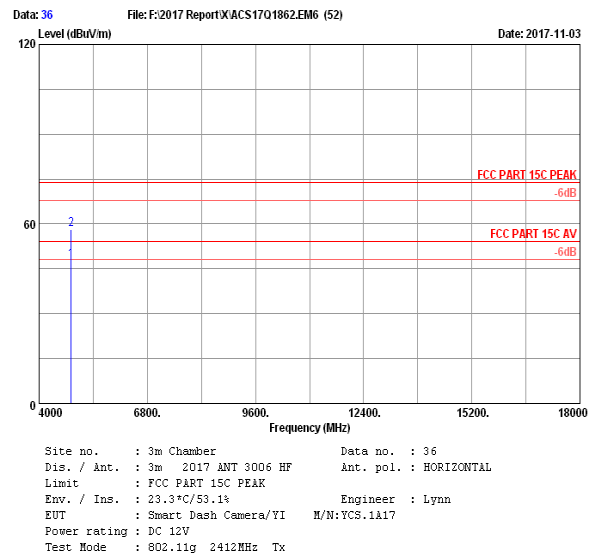
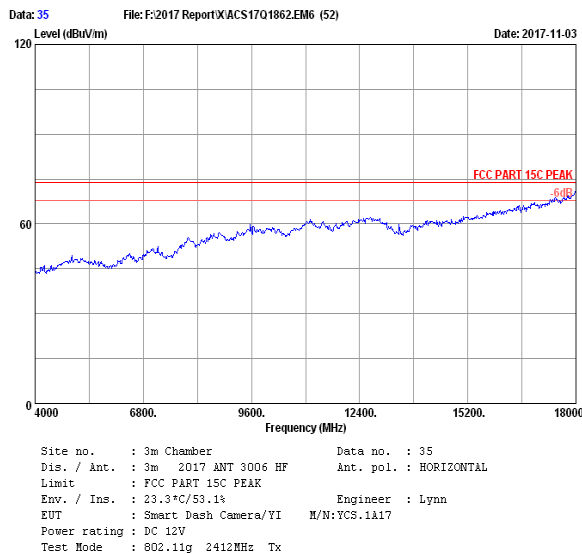
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2412.000	27.98	7.91	103.63	103.91	74.00	-29.91	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



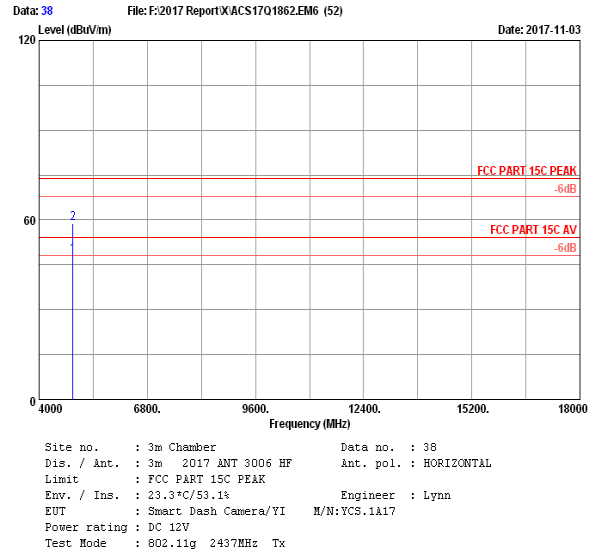
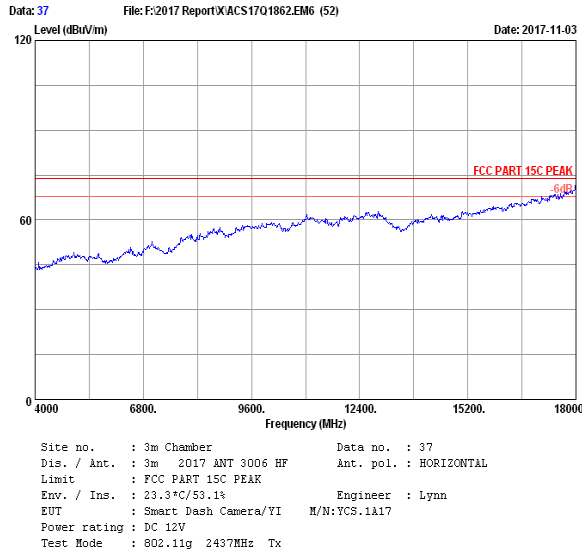
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	33.46	12.11	36.87	48.64	54.00	5.36	Average
2	4824.000	33.46	12.11	46.81	58.58	74.00	15.42	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



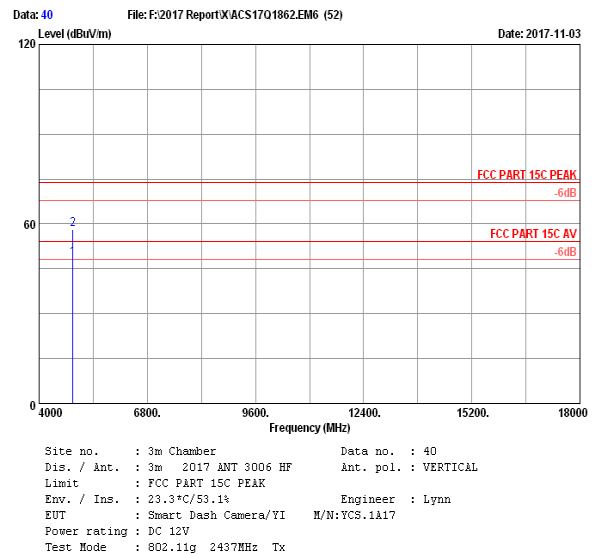
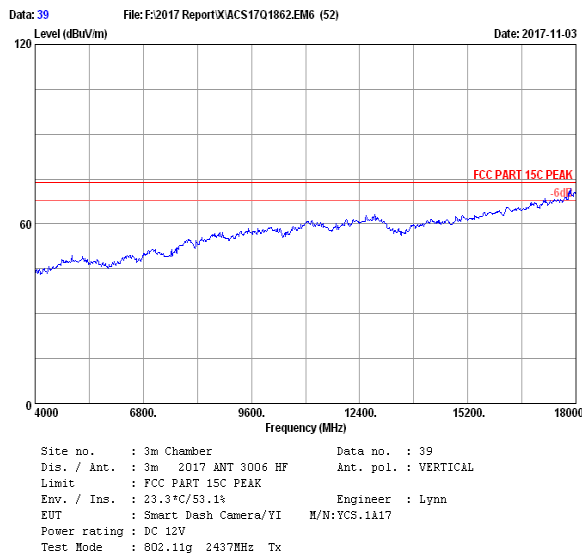
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	33.46	12.11	36.05	47.82	54.00	6.18	Average
2	4824.000	33.46	12.11	46.37	58.14	74.00	15.86	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



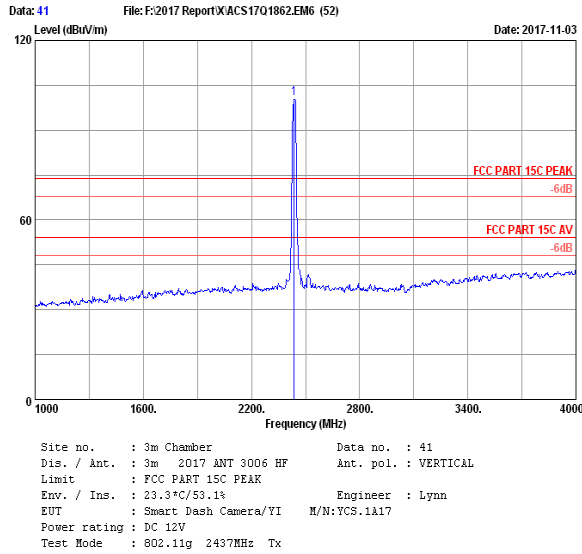
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	33.56	12.22	36.27	48.30	54.00	5.70	Average
2	4874.000	33.56	12.22	46.82	58.85	74.00	15.15	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



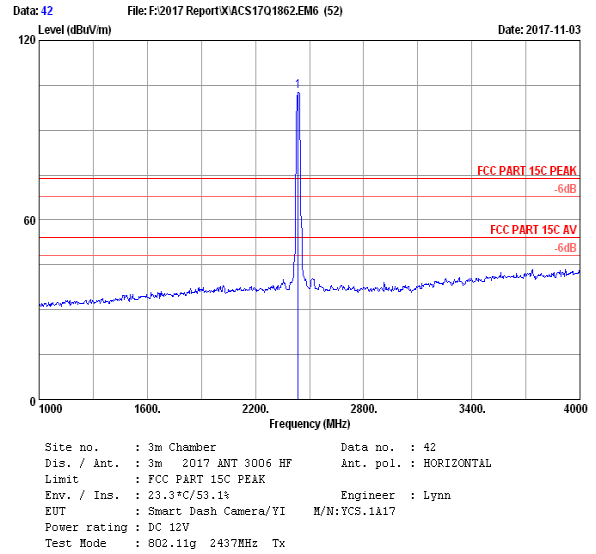
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	33.56	12.22	36.39	48.42	54.00	5.58	Average
2	4874.000	33.56	12.22	46.25	58.28	74.00	15.72	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



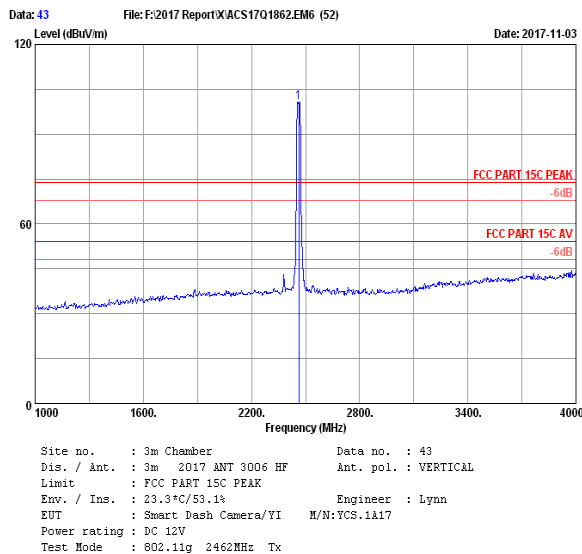
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	28.03	7.95	100.36	100.70	74.00	-26.70	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



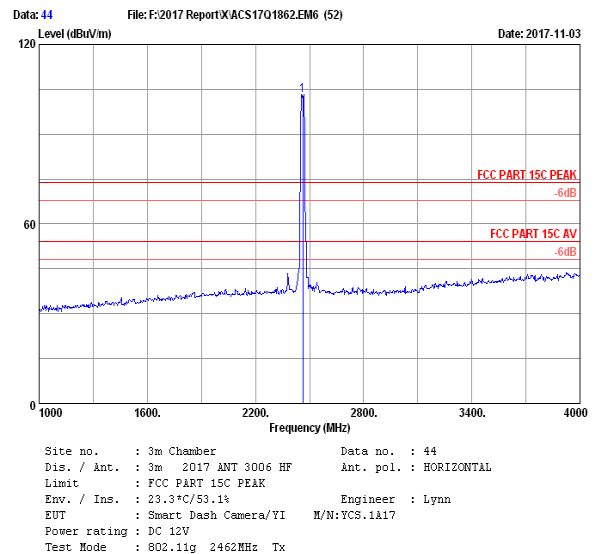
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	28.03	7.95	102.67	103.01	74.00	-29.01	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



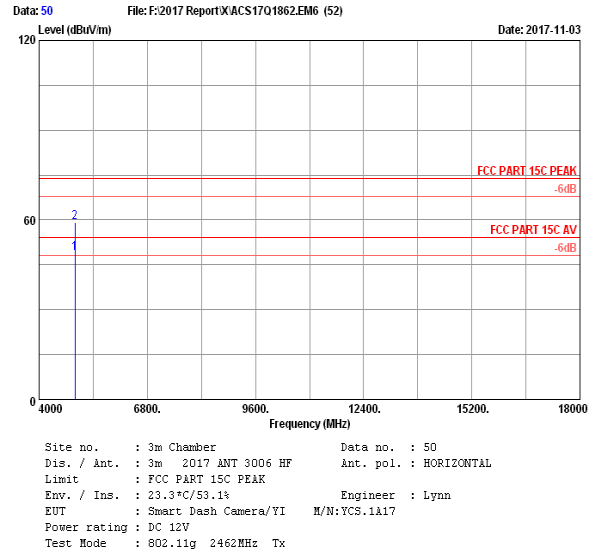
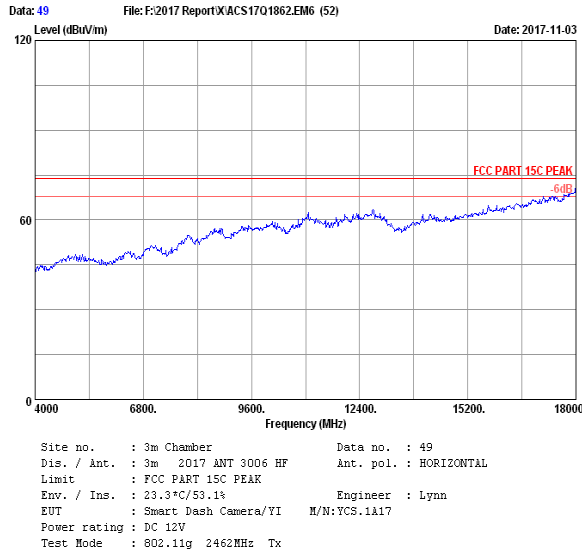
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	28.05	7.98	100.32	100.67	74.00	-26.67	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



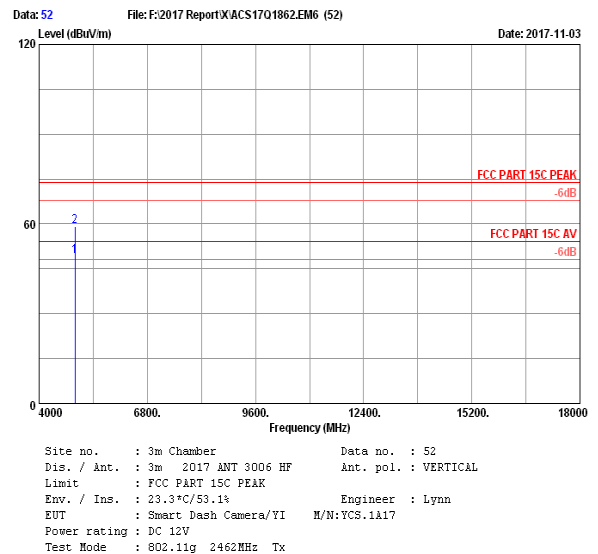
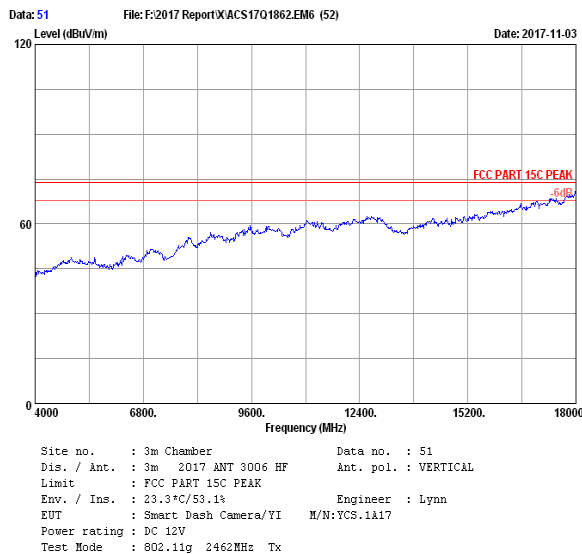
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	28.05	7.98	102.69	103.04	74.00	-29.04	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



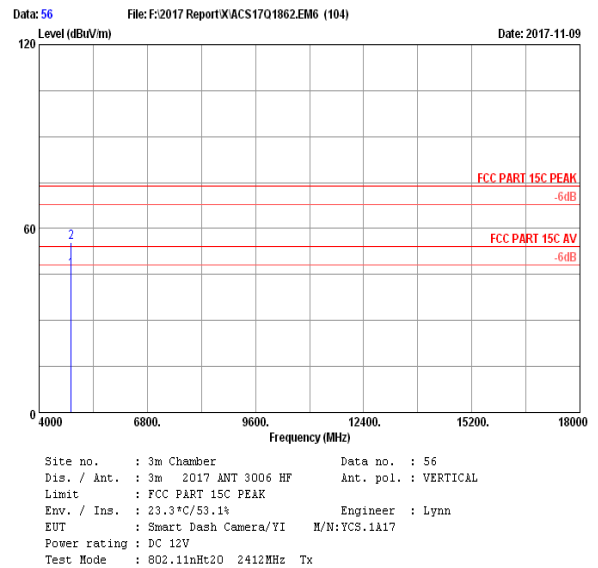
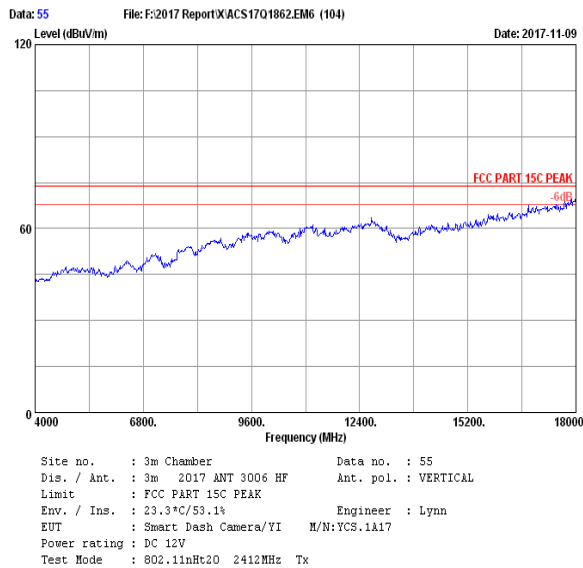
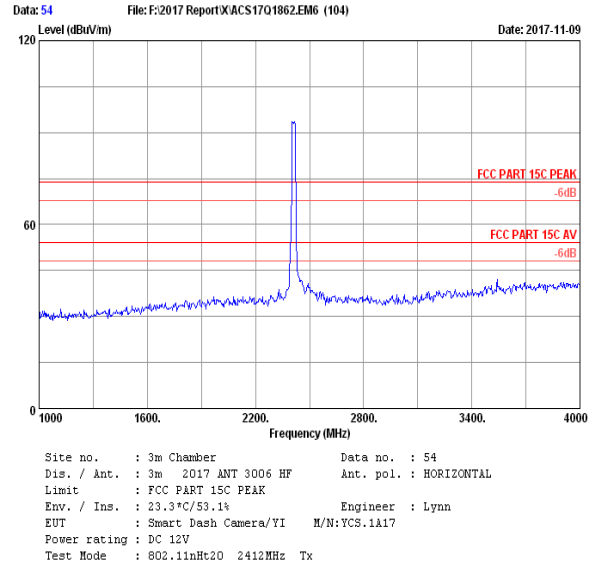
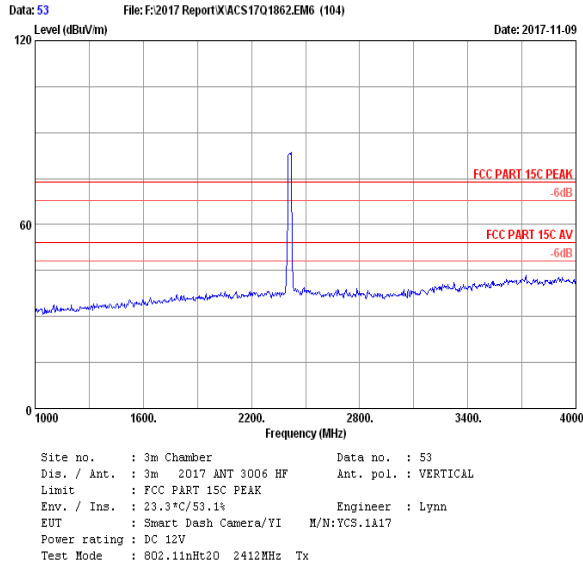
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	33.66	12.30	36.70	48.95	54.00	5.05	Average
2	4924.000	33.66	12.30	46.89	59.14	74.00	14.86	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



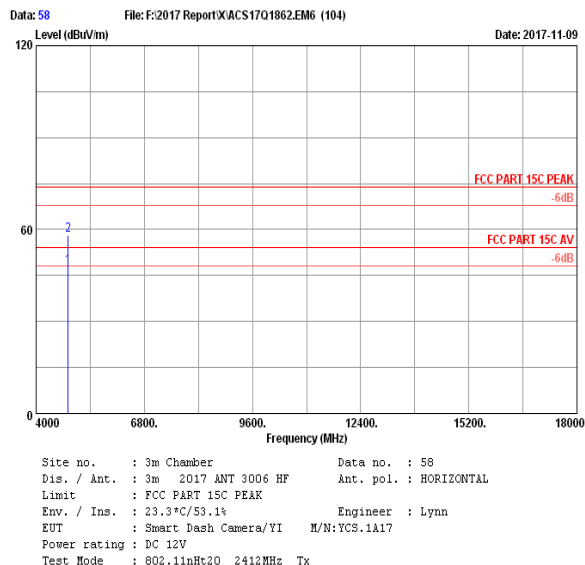
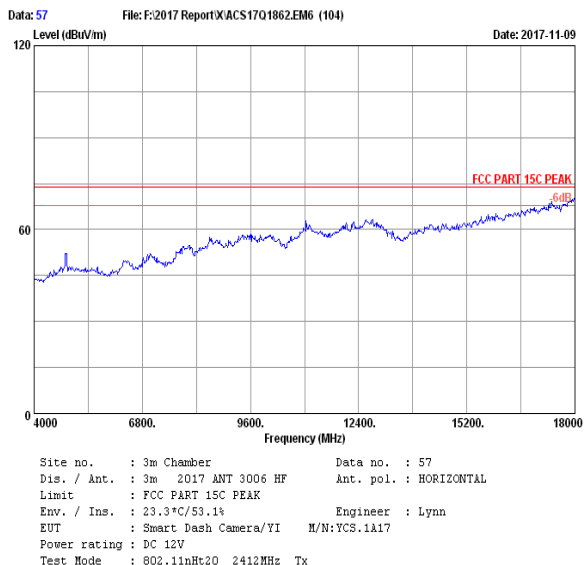
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	33.66	12.30	36.85	49.10	54.00	4.90	Average
2	4924.000	33.66	12.30	47.07	59.32	74.00	14.68	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



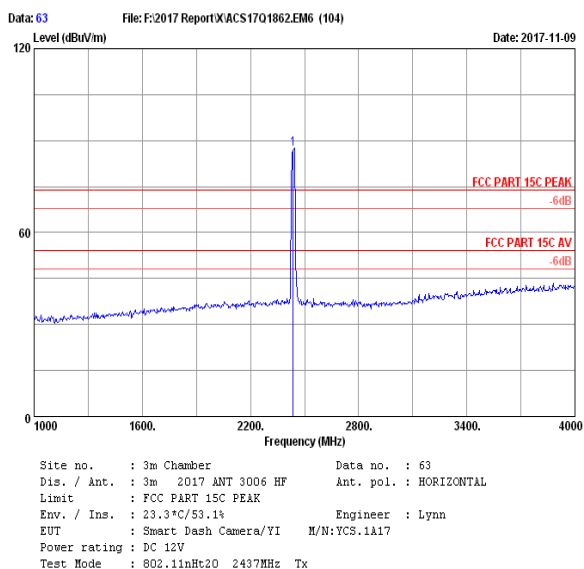
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	33.46	12.11	34.68	46.45	54.00	7.55	Average
2	4824.000	33.46	12.11	43.64	55.41	74.00	18.59	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



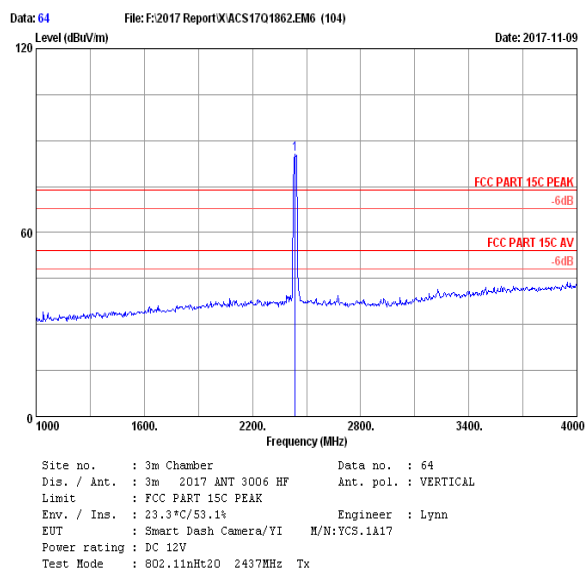
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	33.46	12.11	36.11	47.88	54.00	6.12	Average
2	4824.000	33.46	12.11	46.34	58.11	74.00	15.89	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



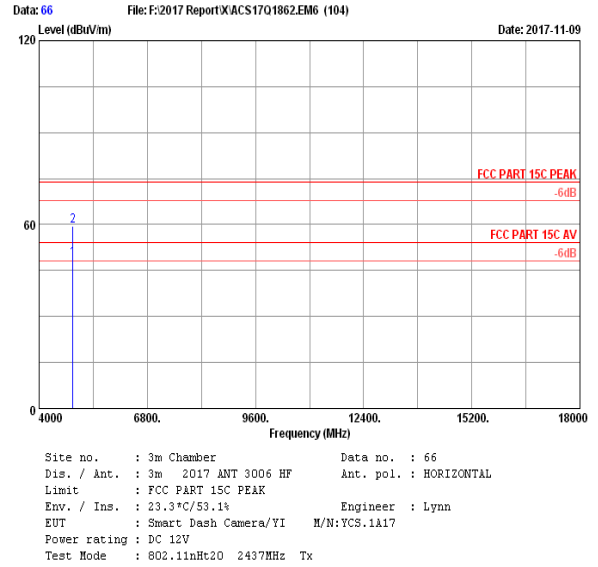
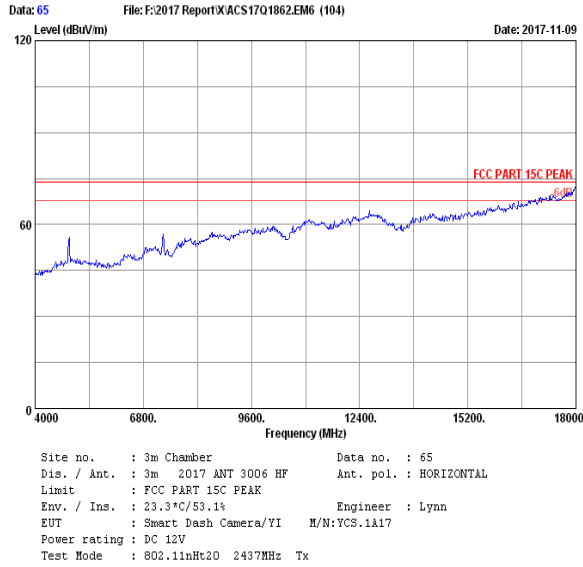
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	28.03	7.95	87.03	87.37	74.00	-13.37	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



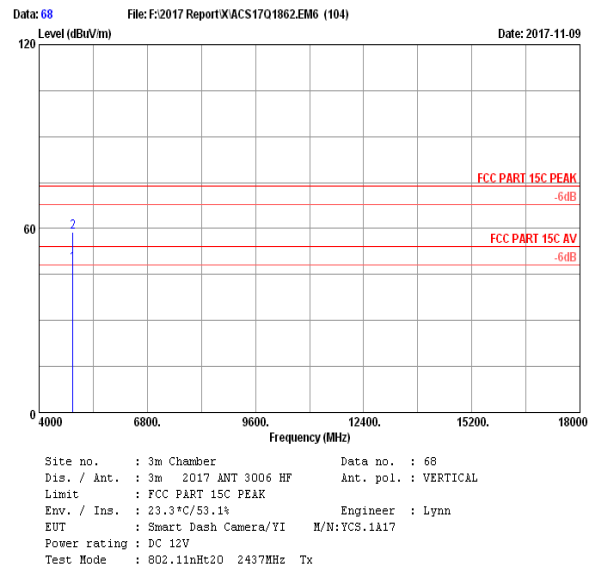
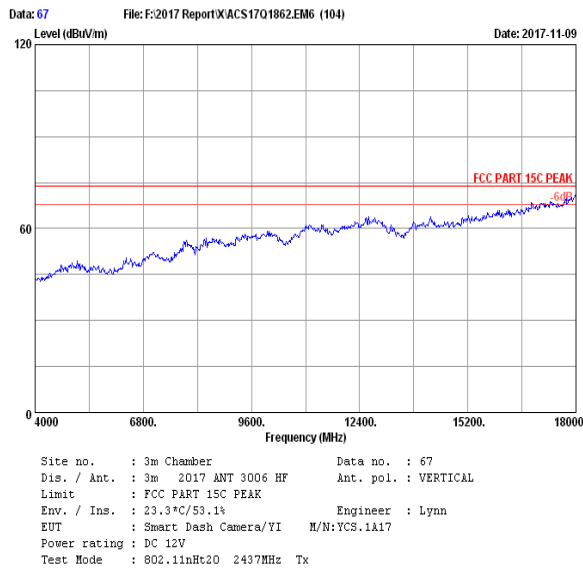
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	28.03	7.95	85.24	85.58	74.00	-11.58	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



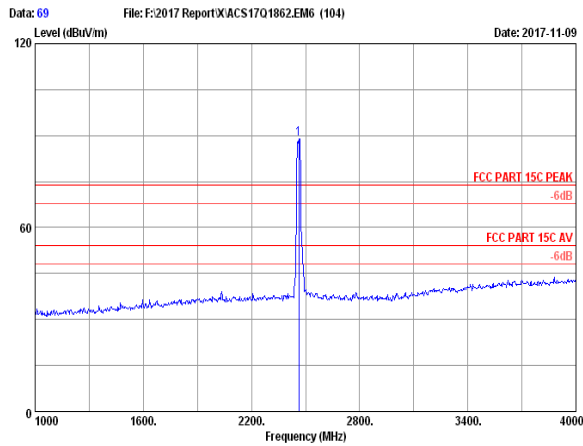
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	33.56	12.22	36.94	48.97	54.00	5.03	Average
2	4874.000	33.56	12.22	47.36	59.39	74.00	14.61	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	33.56	12.22	36.54	48.57	54.00	5.43	Average
2	4874.000	33.56	12.22	46.79	58.82	74.00	15.18	Peak

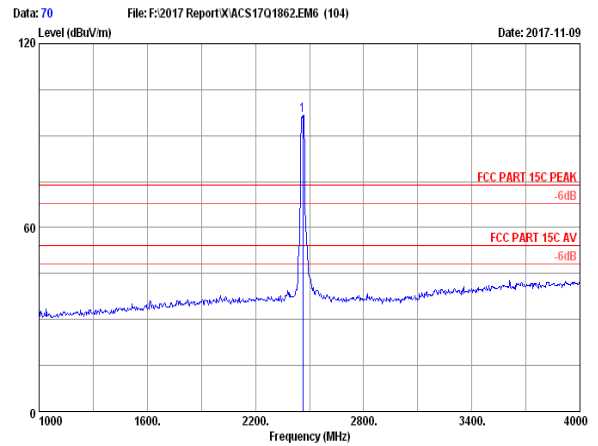
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 69
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nHt20 2462MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	28.05	7.98	88.57	88.92	74.00	-14.92	Peak

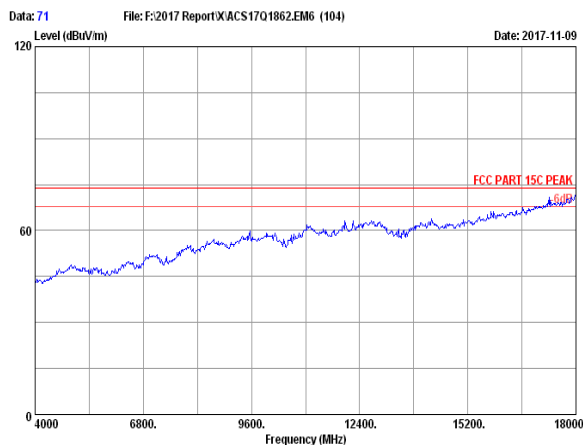
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



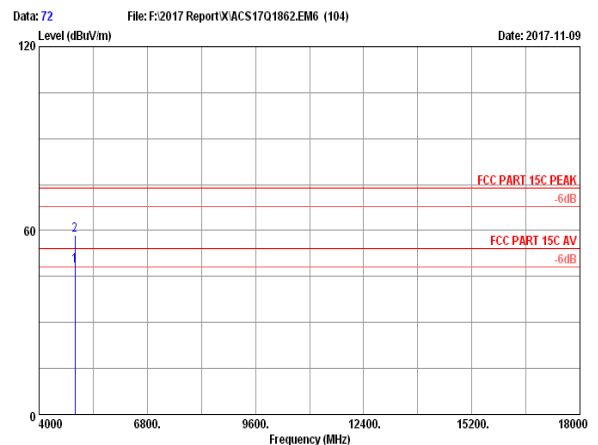
Site no. : 3m Chamber Data no. : 70
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nHt20 2462MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	28.05	7.98	96.25	96.60	74.00	-22.60	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



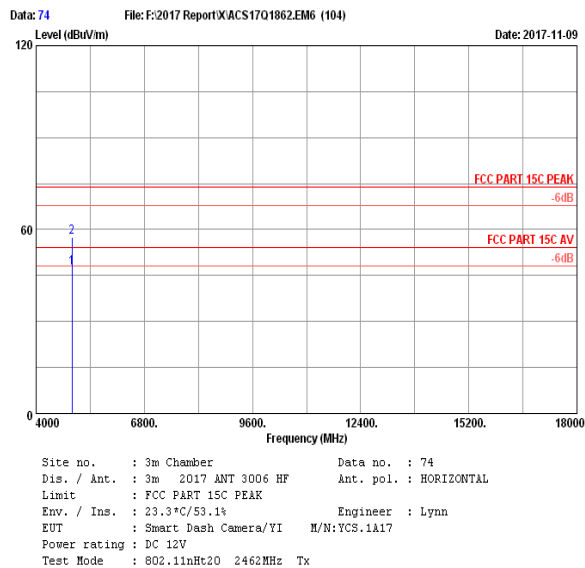
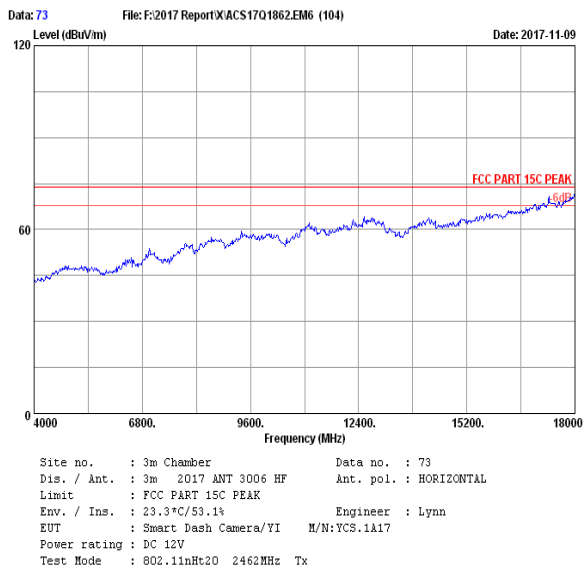
Site no. : 3m Chamber Data no. : 71
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nHt20 2462MHz Tx



Site no. : 3m Chamber Data no. : 72
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nHt20 2462MHz Tx

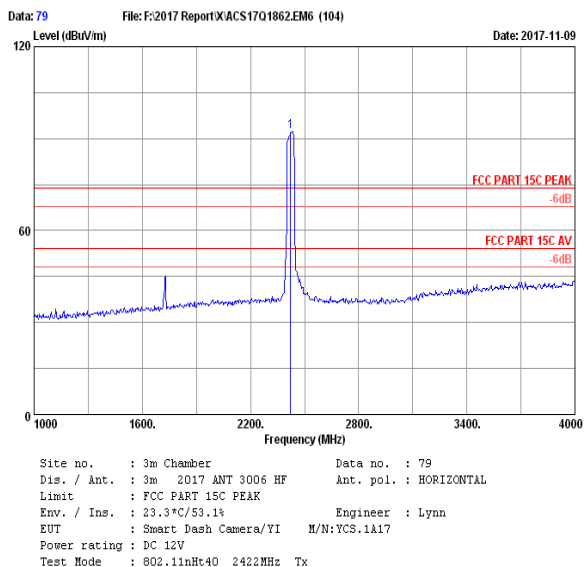
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	33.66	12.30	36.09	48.34	54.00	5.66	Average
2	4924.000	33.66	12.30	46.39	58.64	74.00	15.36	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



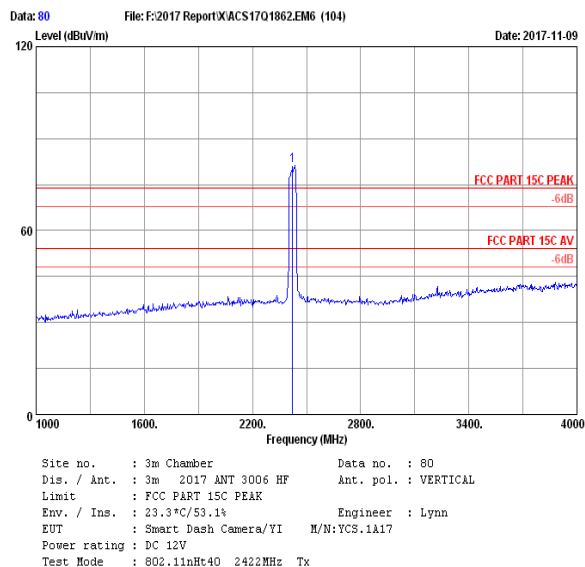
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	33.66	12.30	35.18	47.43	54.00	6.57	Average
2	4924.000	33.66	12.30	45.37	57.62	74.00	16.38	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



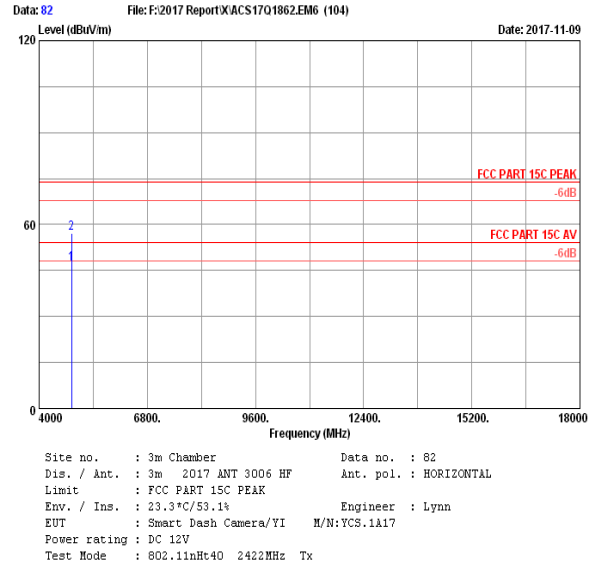
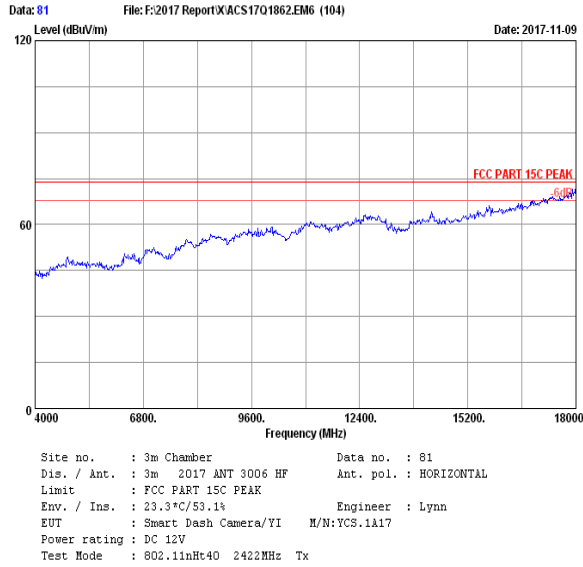
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2422.000	28.00	7.91	91.94	92.21	74.00	-18.21	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



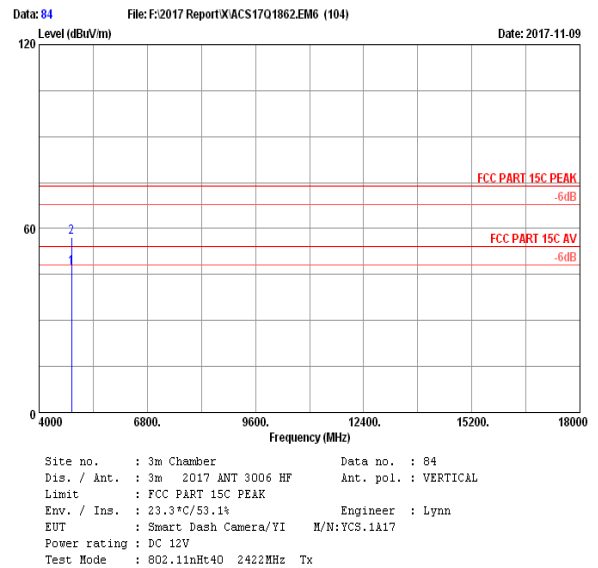
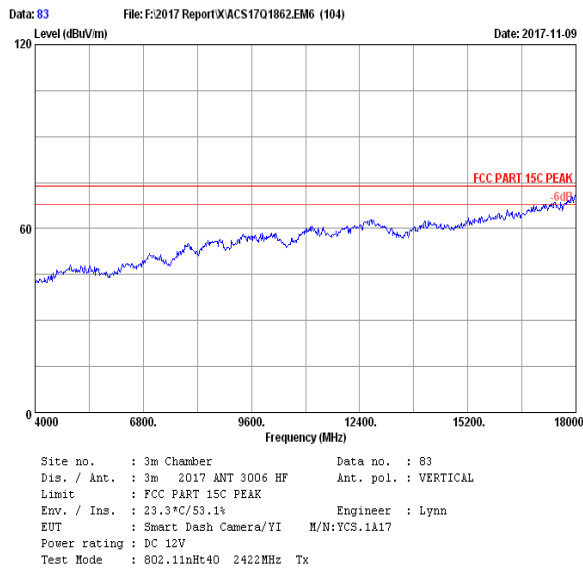
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2422.000	28.00	7.91	80.99	81.26	74.00	-7.26	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



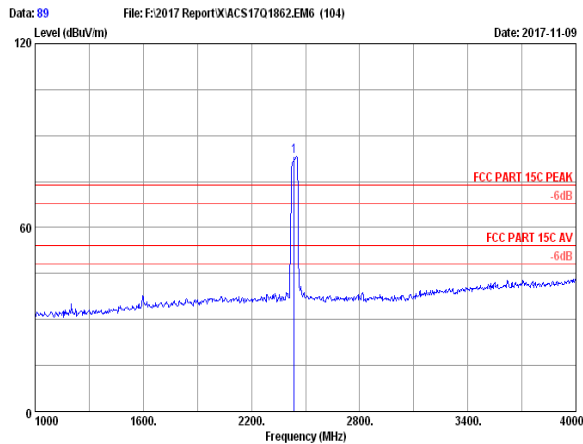
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4844.000	33.49	12.15	35.12	46.98	54.00	7.02	Average
2	4844.000	33.49	12.15	45.36	57.22	74.00	16.78	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4844.000	33.49	12.15	35.17	47.03	54.00	6.97	Average
2	4844.000	33.49	12.15	45.36	57.22	74.00	16.78	Peak

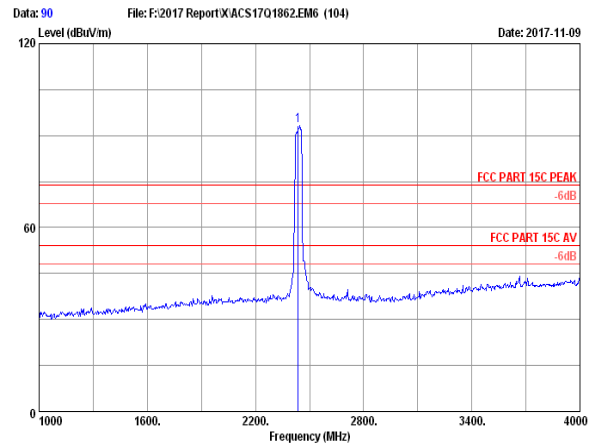
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 89
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nHt40 2437MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	28.03	7.95	82.87	83.21	74.00	-9.21	Peak

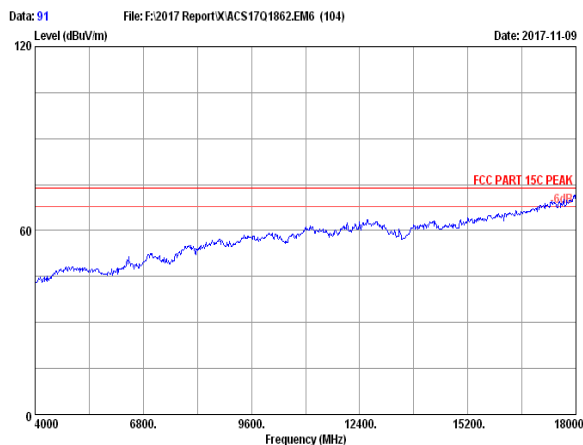
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 90
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nHt40 2437MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	28.03	7.95	92.98	93.32	74.00	-19.32	Peak

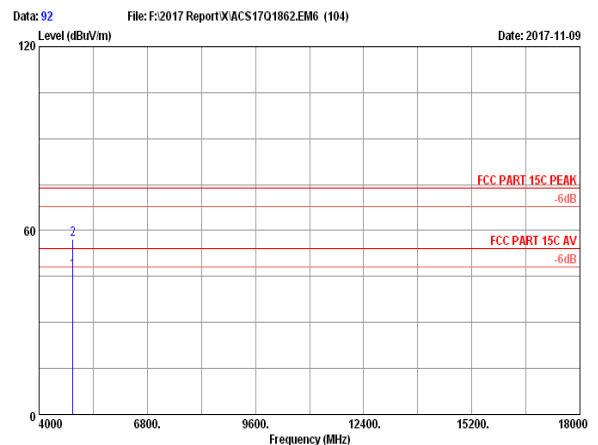
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 91
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nHt40 2437MHz Tx

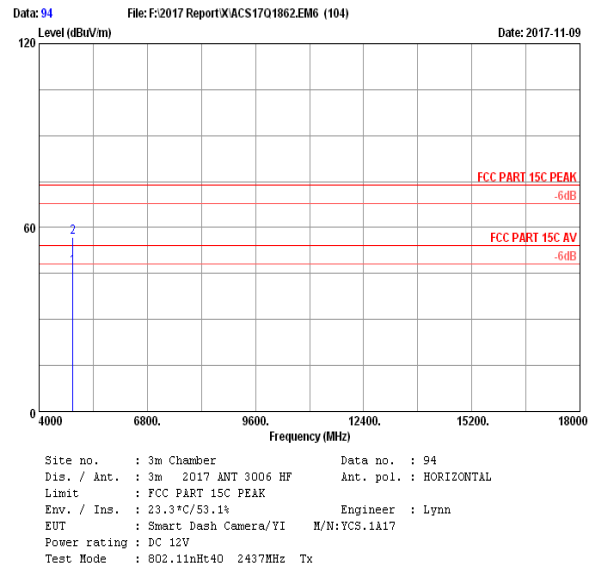
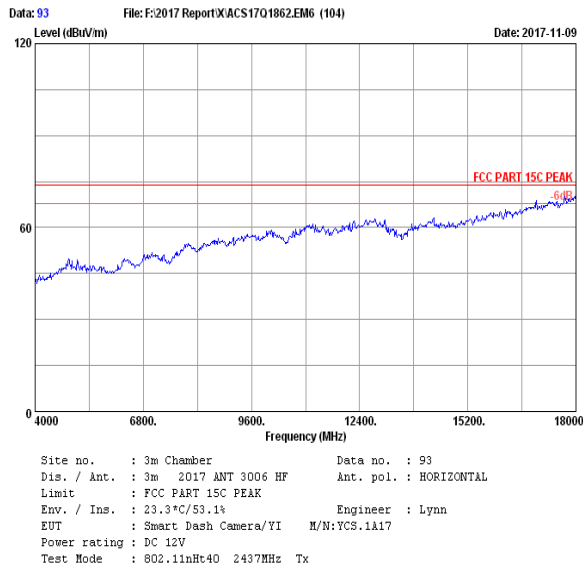
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	33.56	12.22	34.69	46.72	54.00	7.28	Average
2	4874.000	33.56	12.22	45.26	57.29	74.00	16.71	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



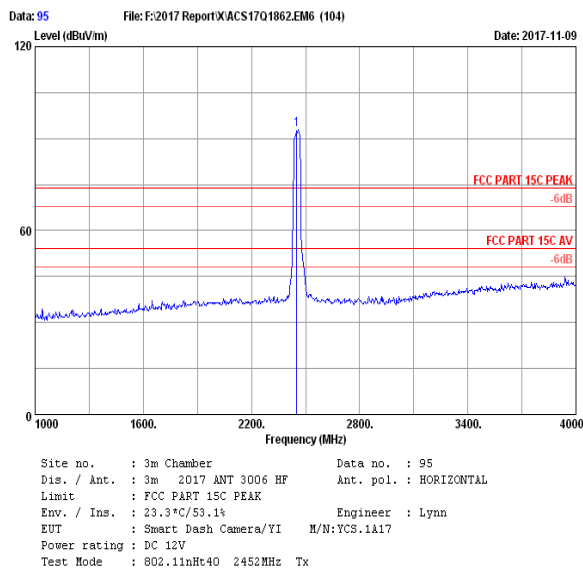
Site no. : 3m Chamber Data no. : 92
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nHt40 2437MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	33.56	12.22	34.69	46.72	54.00	7.28	Average
2	4874.000	33.56	12.22	45.26	57.29	74.00	16.71	Peak



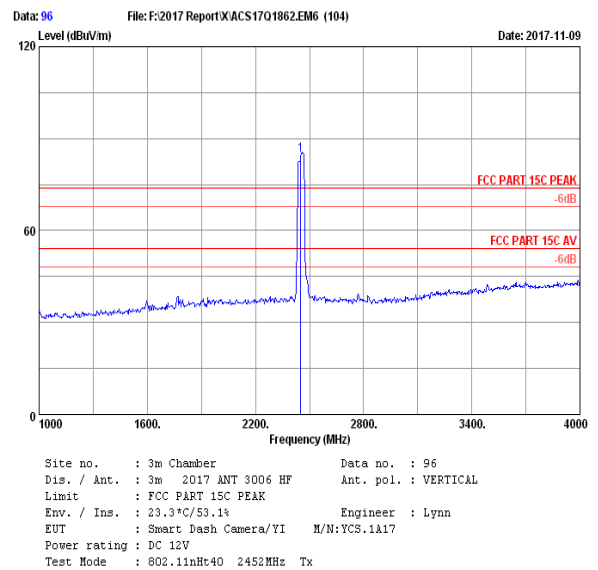
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	33.56	12.22	35.17	47.20	54.00	6.80	Average
2	4874.000	33.56	12.22	44.69	56.72	74.00	17.28	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



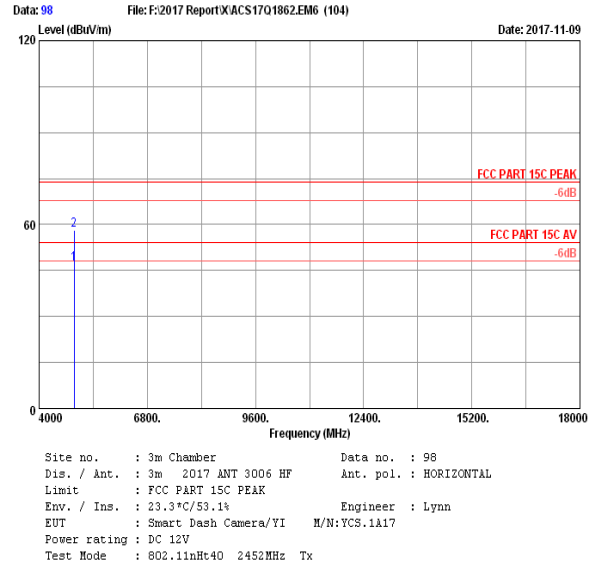
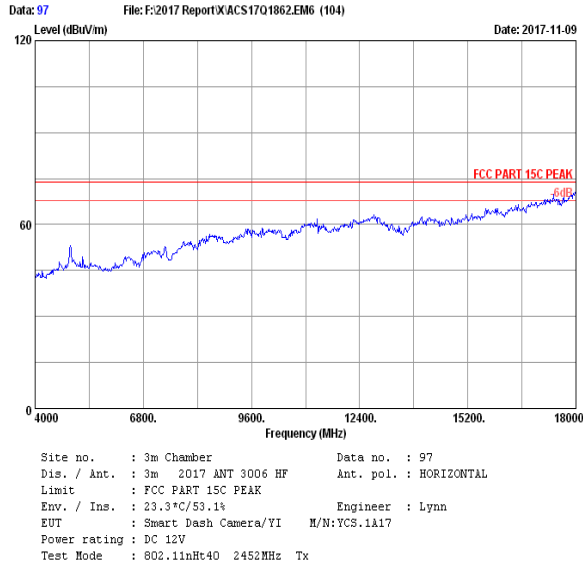
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2452.000	28.03	7.98	92.48	92.81	74.00	-18.81	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



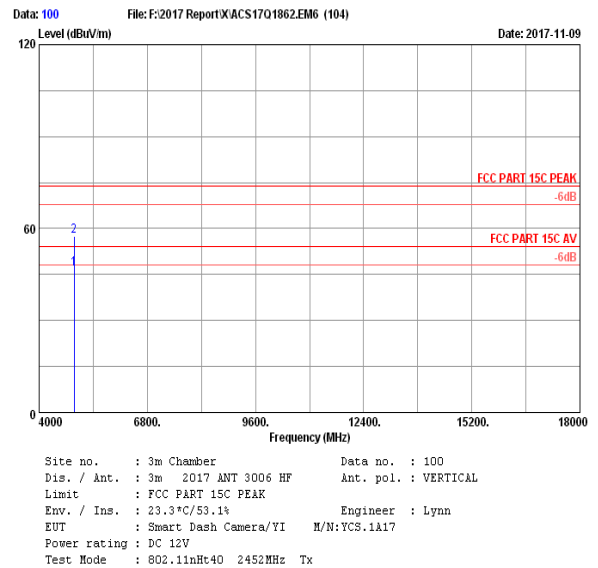
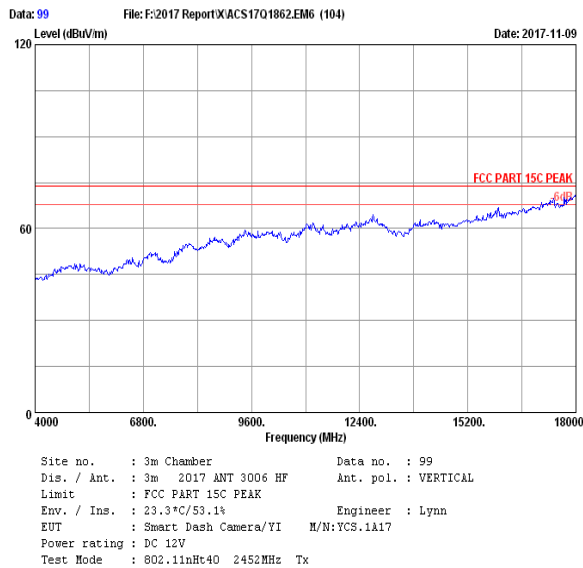
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2452.000	28.03	7.98	84.21	84.54	74.00	-10.54	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4904.000	33.63	12.26	34.81	46.97	54.00	7.03	Average
2	4904.000	33.63	12.26	46.13	58.29	74.00	15.71	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4904.000	33.63	12.26	34.71	46.87	54.00	7.13	Average
2	4904.000	33.63	12.26	45.36	57.52	74.00	16.48	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

5. CONDUCTED SPURIOUS EMISSIONS

5.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMC Analyzer	Agilent	N9030A	MY51380221	Sep.19,17	1 Year
2.	Attenuator	Agilent	8491B	MY39262165	Apr.27,17	1 Year
3.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	NO.1	Oct.15,17	1 Year

5.2. Limit

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

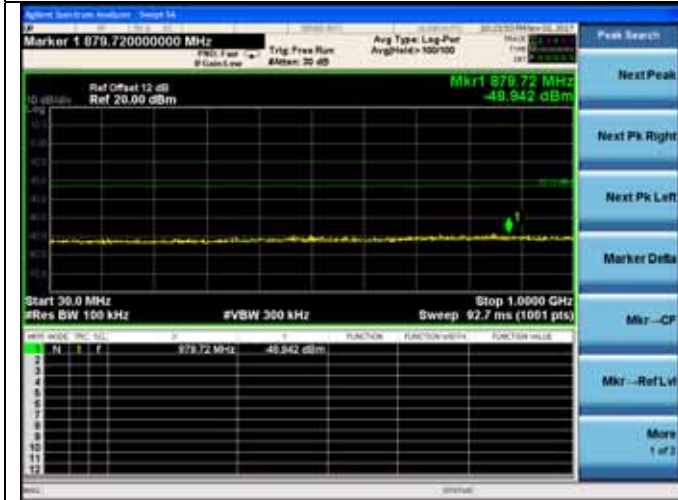
5.3. Test Procedure

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

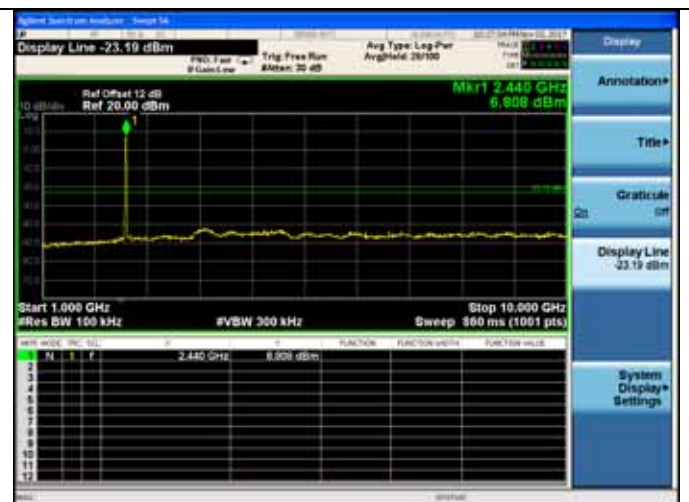
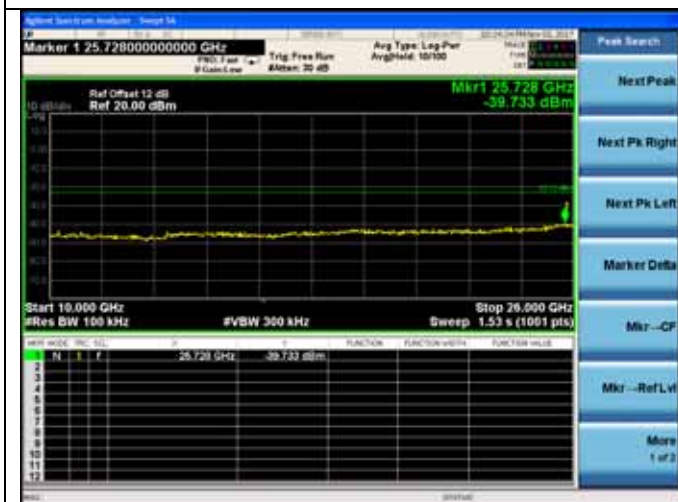
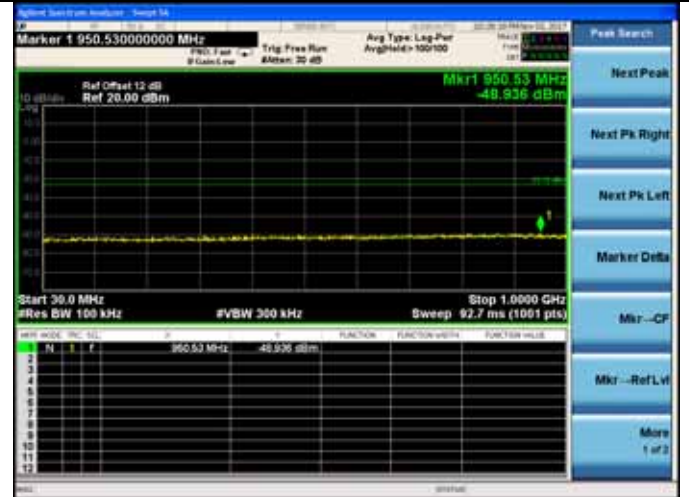
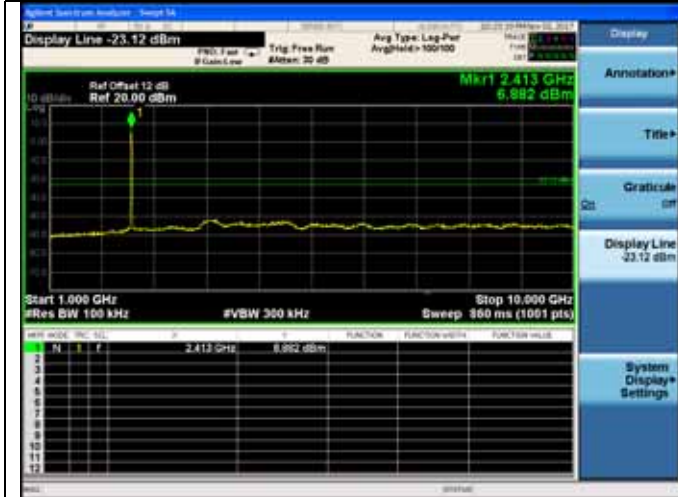
5.4. Test result

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

Test Mode: IEEE 802.11b
Test CH1: 2412MHz

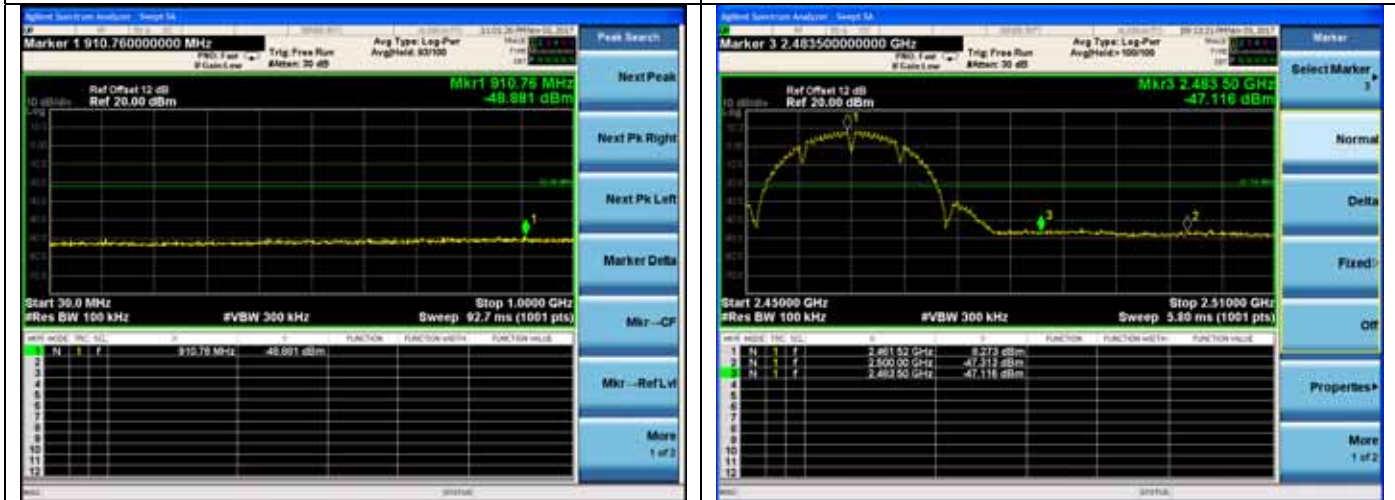


Test CH6: 2437MHz



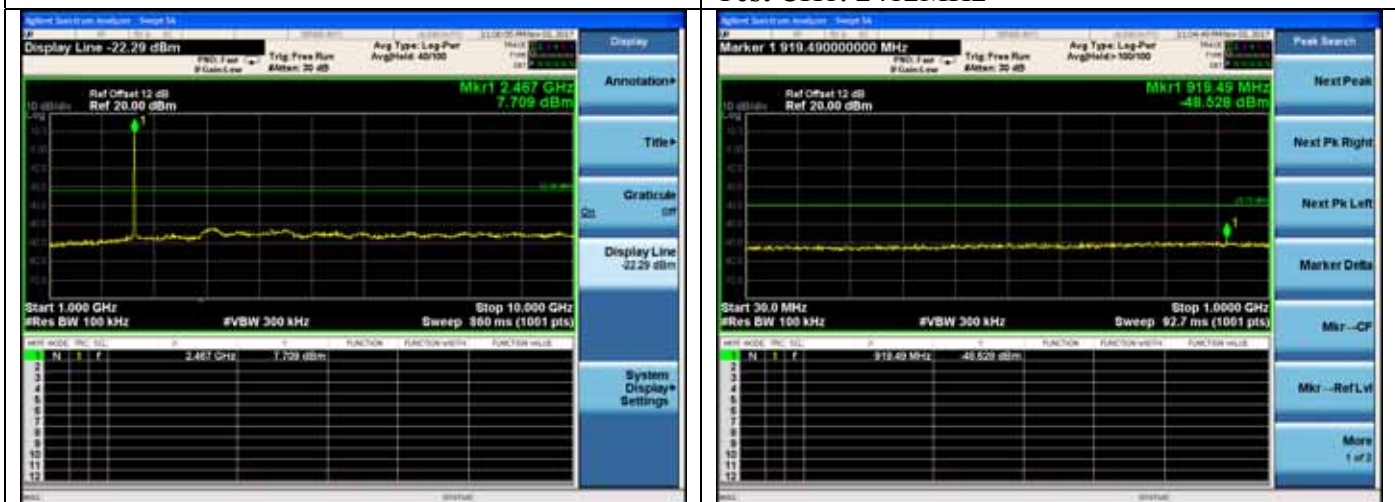


Test CH11: 2462MHz

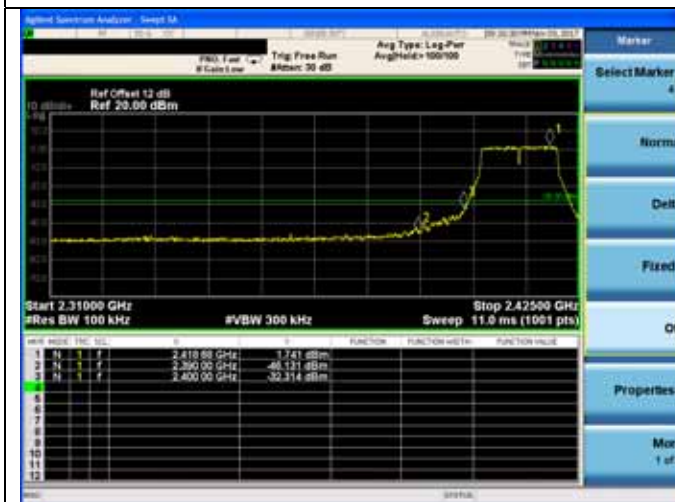
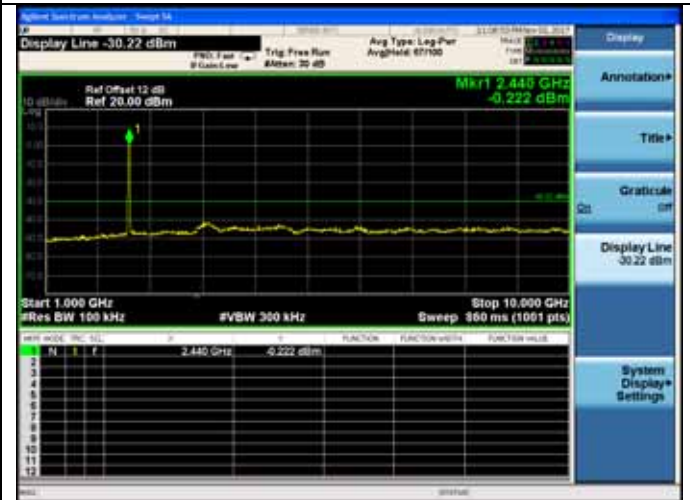
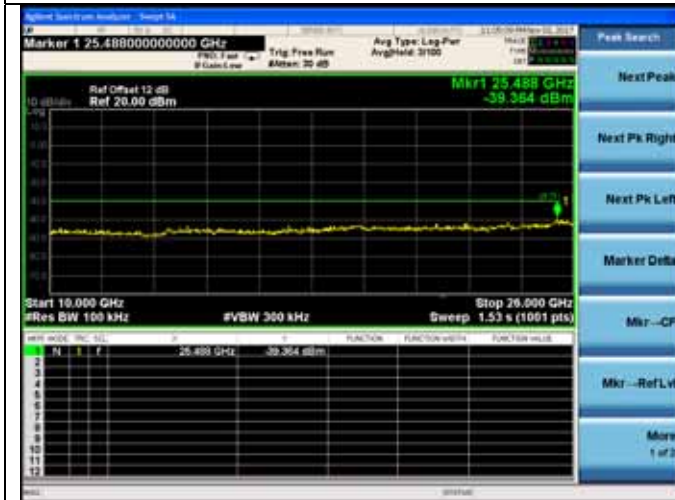
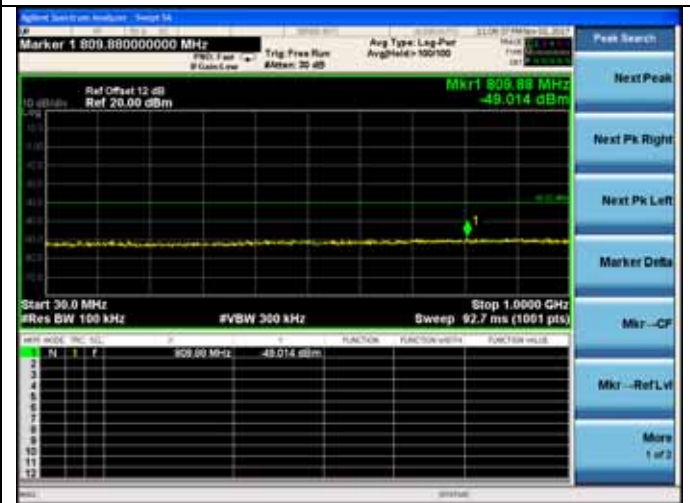
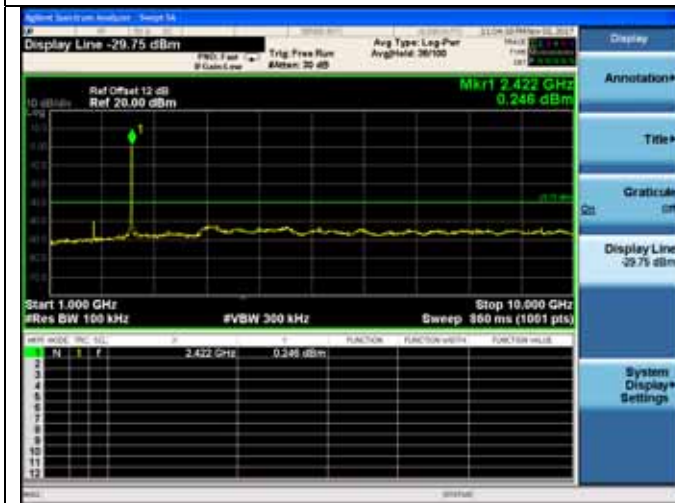


Test Mode: IEEE 802.11g

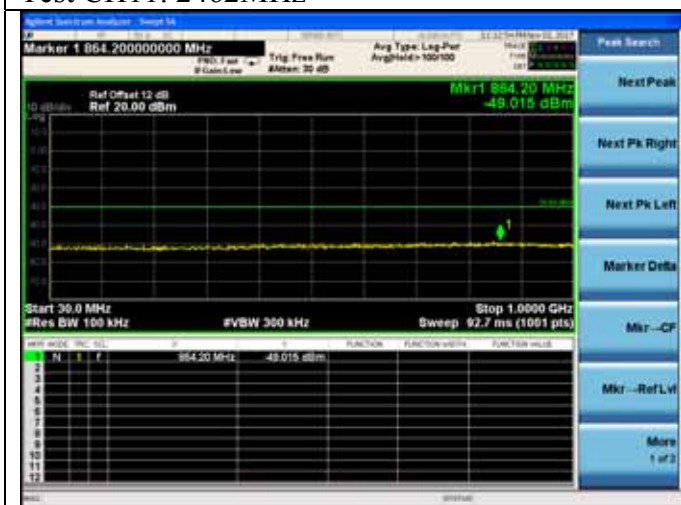
Test CH1: 2412MHz



Test CH6: 2437MHz

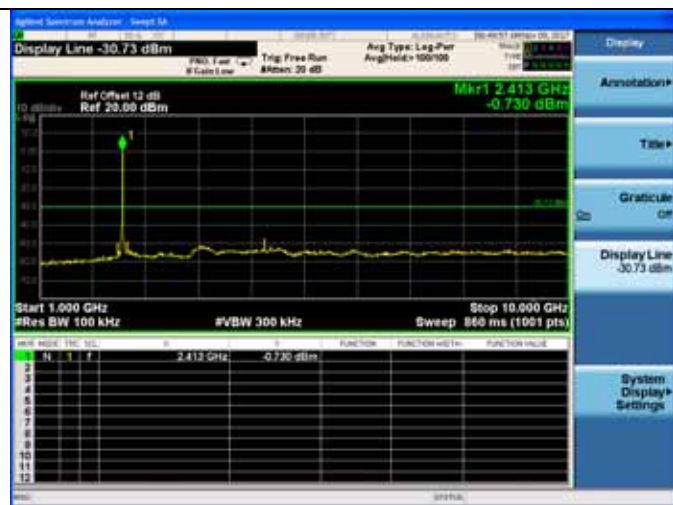
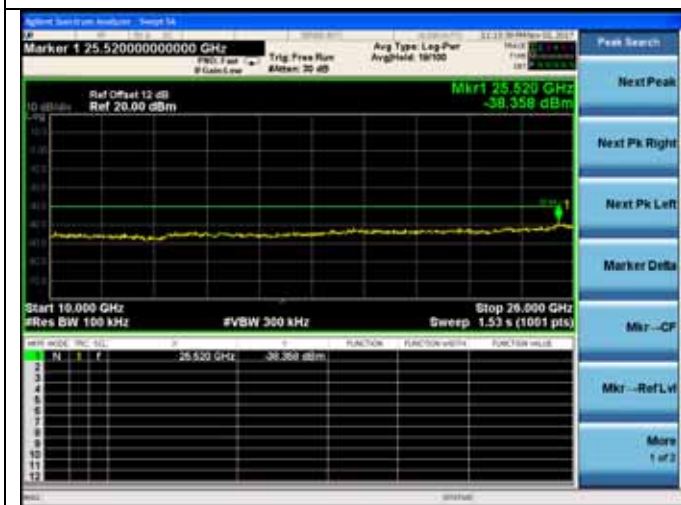
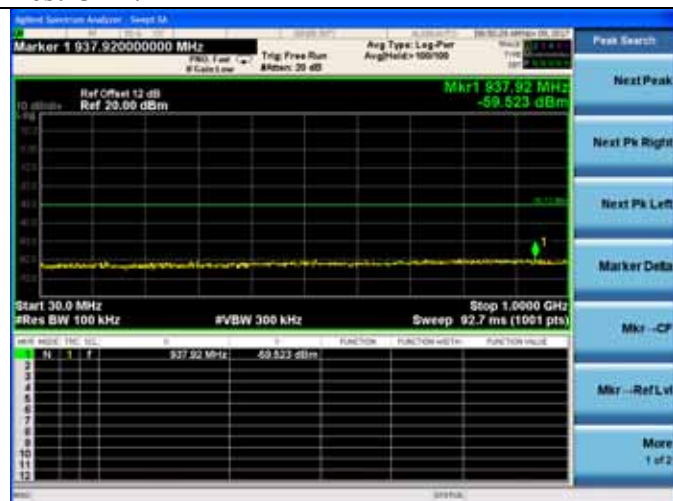
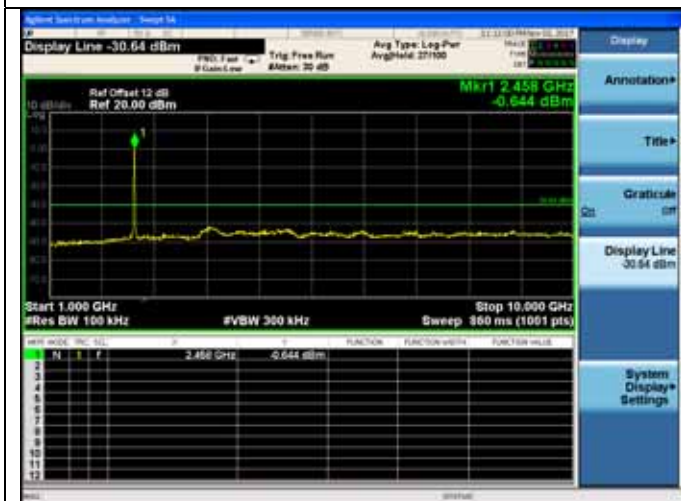


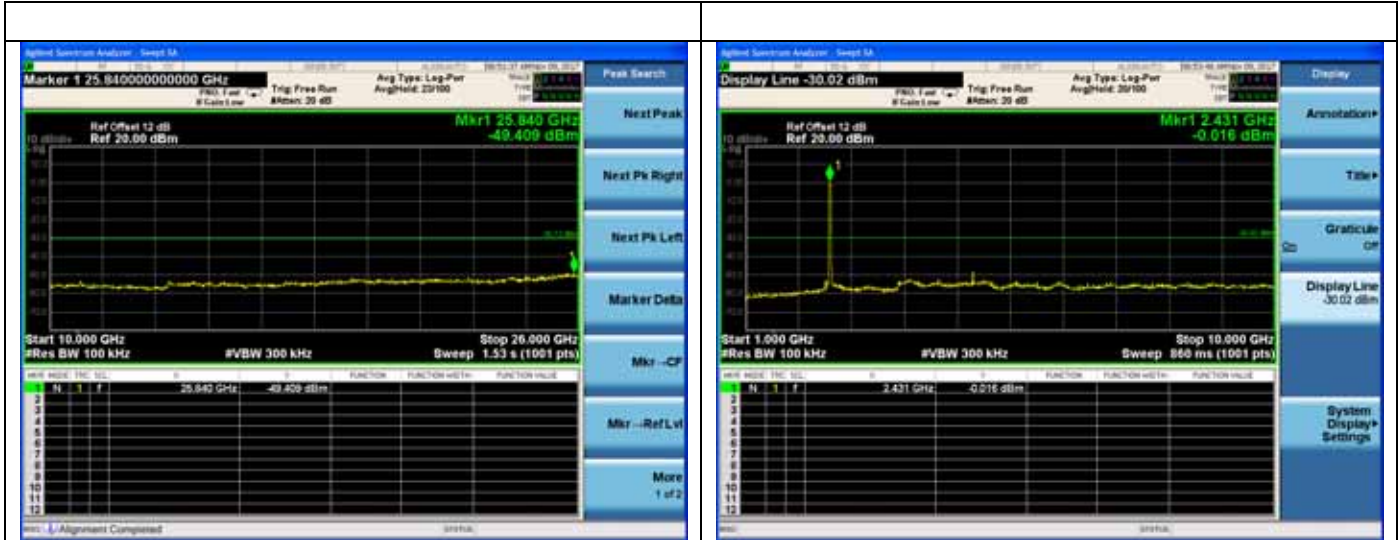
Test CH11: 2462MHz



Test Mode: IEEE 802.11n HT20

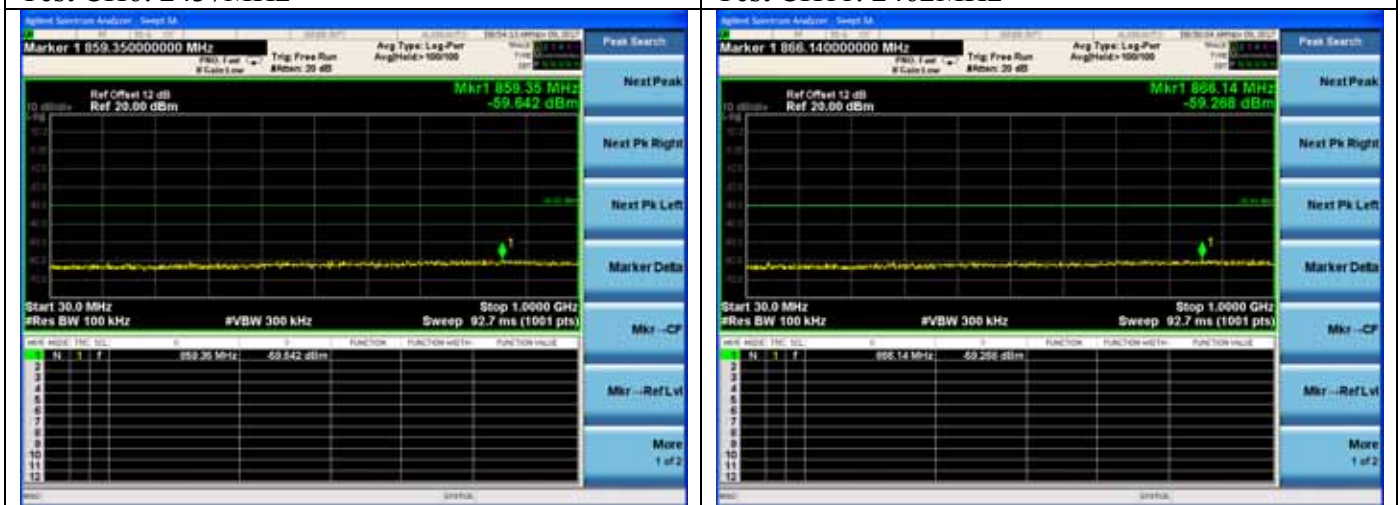
Test CH1: 2412MHz



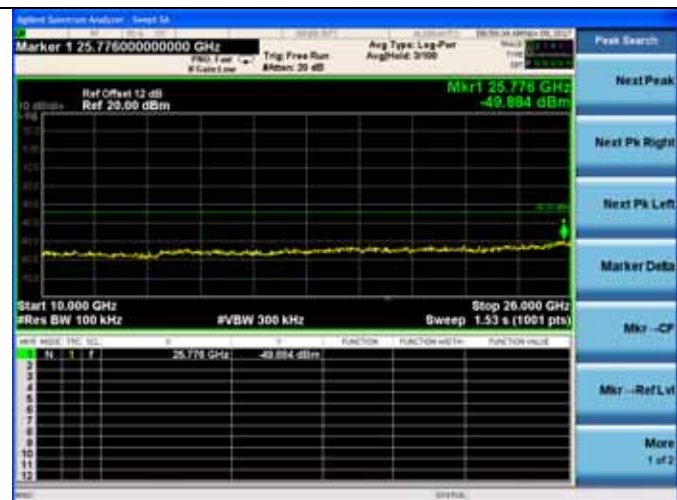
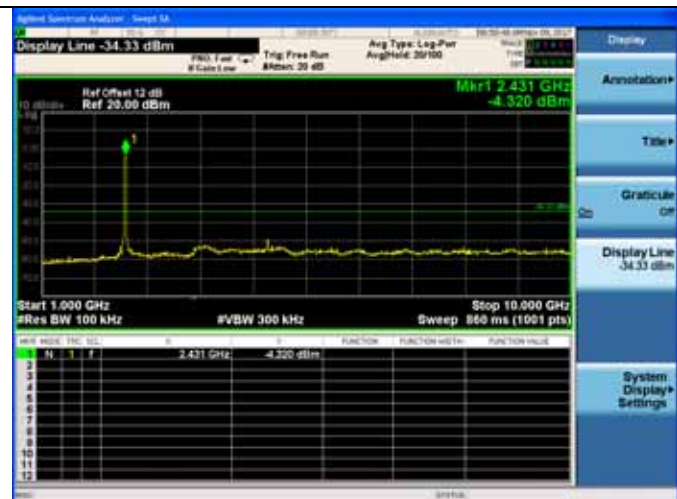
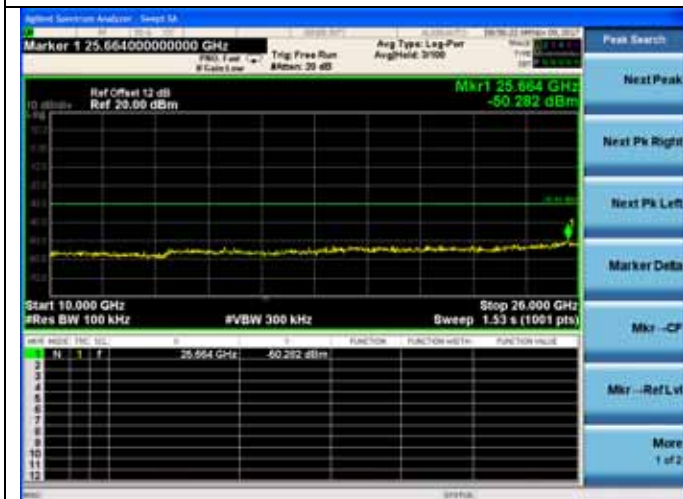
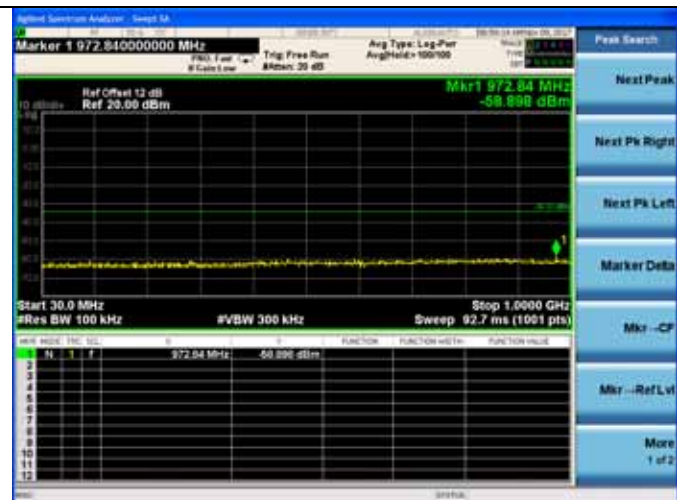
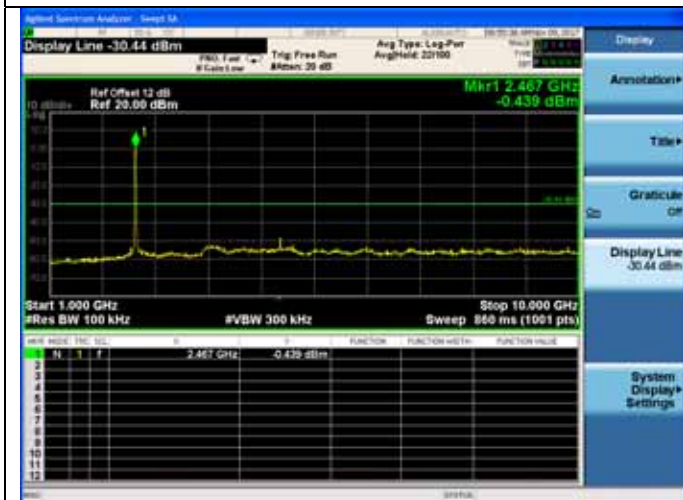


Test CH6: 2437MHz

Test CH11: 2462MHz



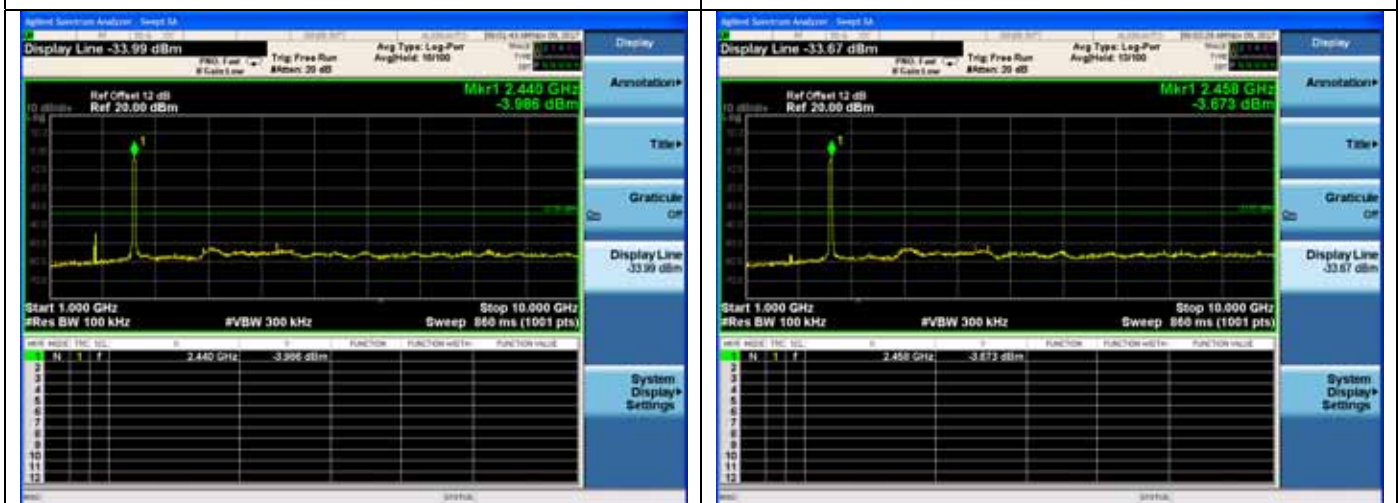
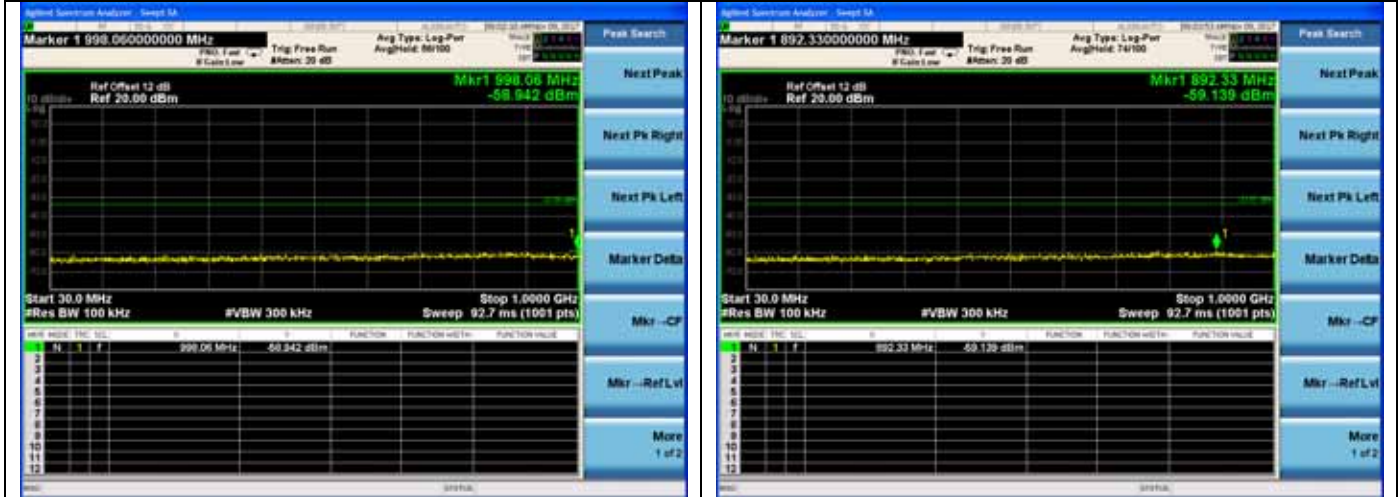
Test Mode: IEEE 802.11n HT40
Test CH3: 2422MHz





Test CH6: 2437MHz

Test CH9: 2452MHz





6. BAND EDGE COMPLIANCE TEST

6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	Apr.22,17	1 Year
2.	Amp	HP	8449B	3008A02495	Apr.22.17	1 Year
3.	Horn Antenna	ETS	3115	9510-4580	Nov.16,16	1 Year
4.	HF Cable	Hubersuhne	SUCOFLEX1 04	274094/4	Apr.22,17	1 Year

6.2. Limit

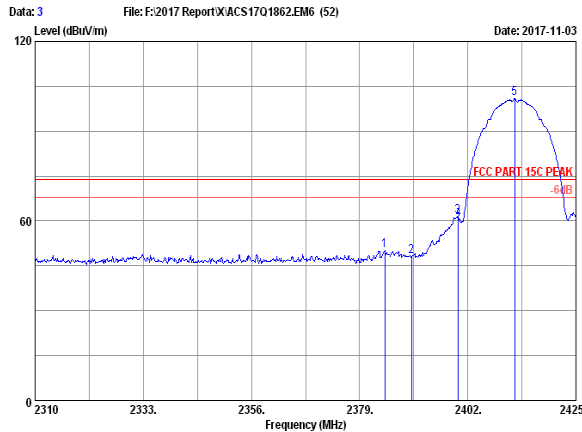
All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental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

6.3. Test Produce

1. The EUT is placed on a turntable, which is 1.5m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
 - (a) PEAK: RBW=1MHz; VBW=3MHz; Sweep=AUTO
 - (b) AVERAGE: RBW=1MHz; VBW=10Hz; Sweep=AUTO

6.4. Test Results

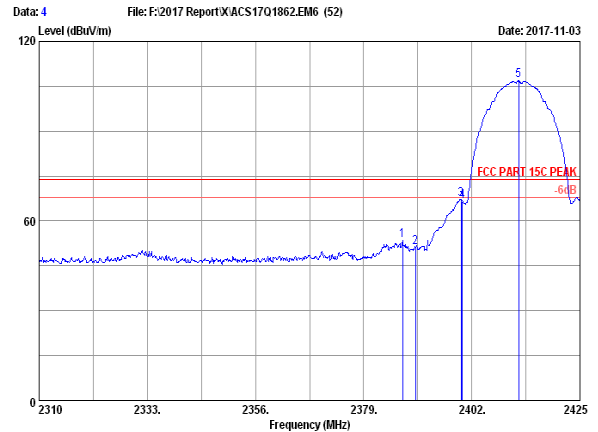
Pass (The testing data was attached in the next pages.)



Site no. : 3m Chamber Data no. : 3
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11b 2412MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2384.405	27.93	7.84	50.09	50.28	74.00	23.72	Peak
2	2390.000	27.96	7.84	47.88	48.07	74.00	25.93	Peak
3	2399.930	27.96	7.88	61.32	61.55	74.00	12.45	Peak
4	2400.000	27.96	7.88	60.23	60.46	74.00	13.54	Peak
5	2412.005	27.98	7.91	100.58	100.86	74.00	-26.86	Peak

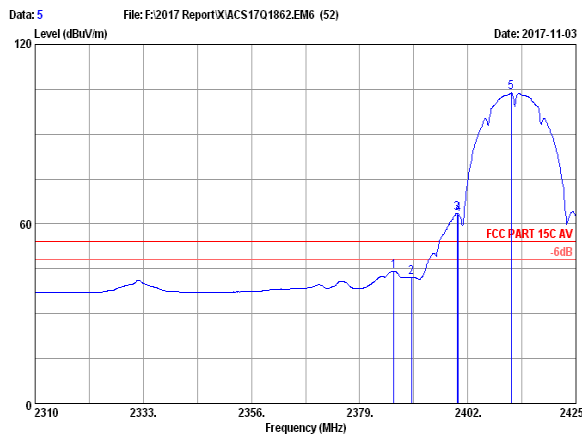
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 4
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11b 2412MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2387.280	27.96	7.84	53.11	53.33	74.00	20.67	Peak
2	2390.000	27.96	7.84	51.01	51.20	74.00	22.80	Peak
3	2399.700	27.96	7.88	66.95	67.18	74.00	6.82	Peak
4	2400.000	27.96	7.88	66.43	66.66	74.00	7.34	Peak
5	2412.005	27.98	7.91	106.78	107.06	74.00	-33.06	Peak

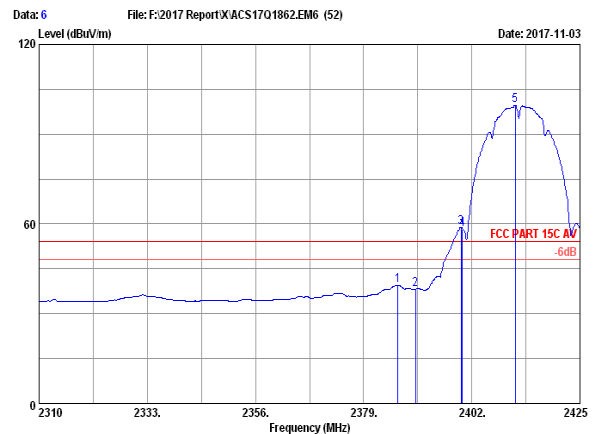
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 5
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11b 2412MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2386.245	27.96	7.84	43.88	44.10	54.00	9.90	Average
2	2390.000	27.96	7.84	41.88	42.07	54.00	11.93	Average
3	2399.700	27.96	7.88	63.34	63.57	54.00	-9.57	Average
4	2400.000	27.96	7.88	62.80	63.03	54.00	-9.03	Average
5	2411.200	27.98	7.91	103.54	103.82	54.00	-49.82	Average

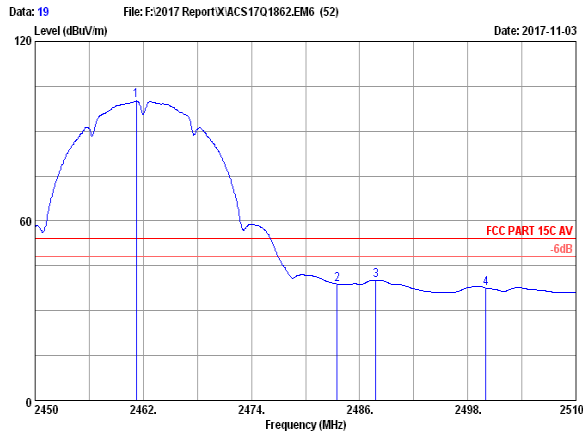
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 6
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11b 2412MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2386.245	27.96	7.84	39.25	39.47	54.00	14.53	Average
2	2390.000	27.96	7.84	38.04	38.23	54.00	15.77	Average
3	2399.700	27.96	7.88	58.56	58.79	54.00	-4.79	Average
4	2400.000	27.96	7.88	58.06	58.29	54.00	-4.29	Average
5	2411.200	27.98	7.91	99.33	99.61	54.00	-45.61	Average

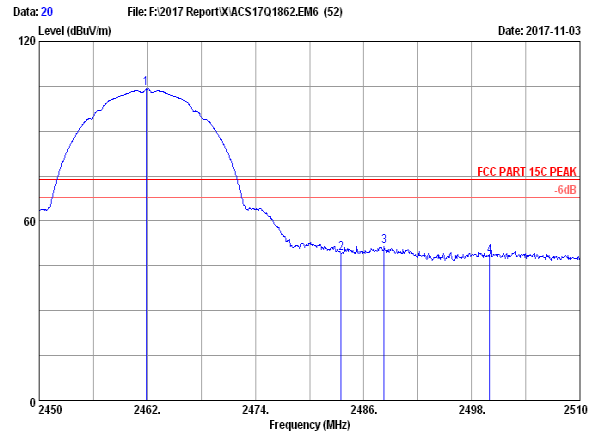
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 19
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11b 2462MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.220	28.05	7.98	99.76	100.11	54.00	-46.11	Average
2	2483.500	28.08	8.02	38.55	38.94	54.00	15.06	Average
3	2487.800	28.10	8.02	39.85	40.26	54.00	13.74	Average
4	2500.000	28.10	8.05	37.19	37.60	54.00	16.40	Average

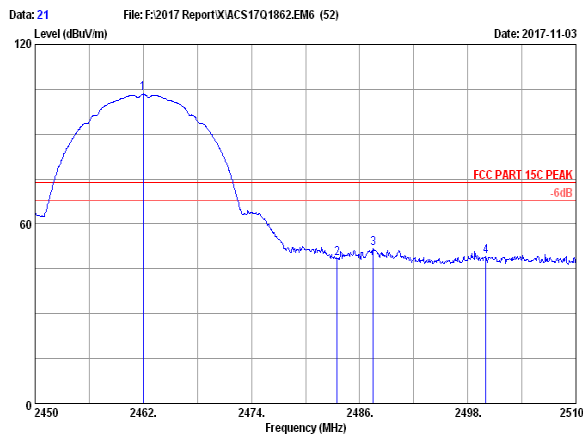
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 20
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11b 2462MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.880	28.05	7.98	103.79	104.14	74.00	-30.14	Peak
2	2483.500	28.08	8.02	48.82	49.21	74.00	24.79	Peak
3	2488.280	28.10	8.02	51.00	51.41	74.00	22.59	Peak
4	2500.000	28.10	8.05	47.72	48.13	74.00	25.87	Peak

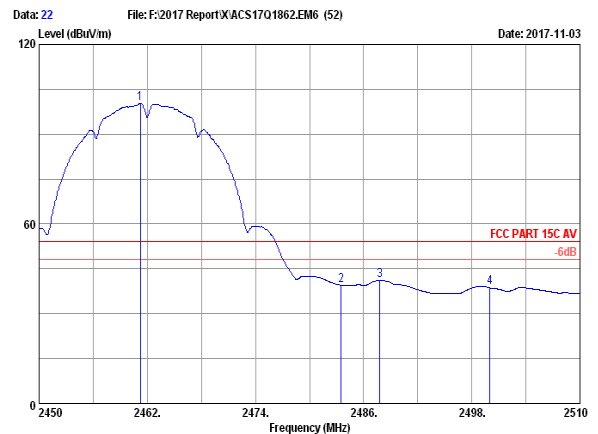
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 21
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11b 2462MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2462.000	28.05	7.98	103.12	103.47	74.00	-29.47	Peak
2	2483.500	28.08	8.02	48.03	48.42	74.00	25.58	Peak
3	2487.800	28.10	8.02	51.28	51.69	74.00	22.31	Peak
4	2500.000	28.10	8.05	48.68	49.09	74.00	24.91	Peak

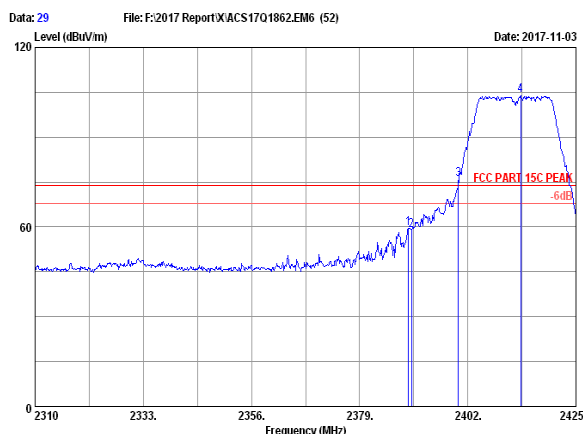
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 22
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11b 2462MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.220	28.05	7.98	99.85	100.20	54.00	-46.20	Average
2	2483.500	28.08	8.02	39.16	39.55	54.00	14.45	Average
3	2487.800	28.10	8.02	40.69	41.10	54.00	12.90	Average
4	2500.000	28.10	8.05	38.21	38.62	54.00	15.38	Average

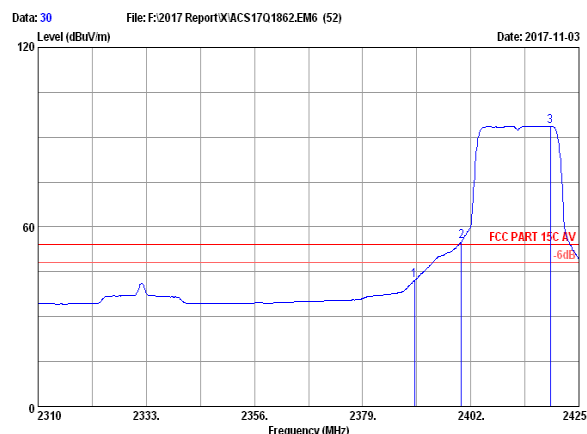
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 29
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11g 2412MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2389.350	27.96	7.84	59.28	59.50	74.00	14.50	Peak
2	2390.000	27.96	7.84	58.75	58.94	74.00	15.06	Peak
3	2400.000	27.96	7.88	75.79	76.02	74.00	-2.02	Peak
4	2413.270	27.98	7.91	103.56	103.84	74.00	-29.84	Peak

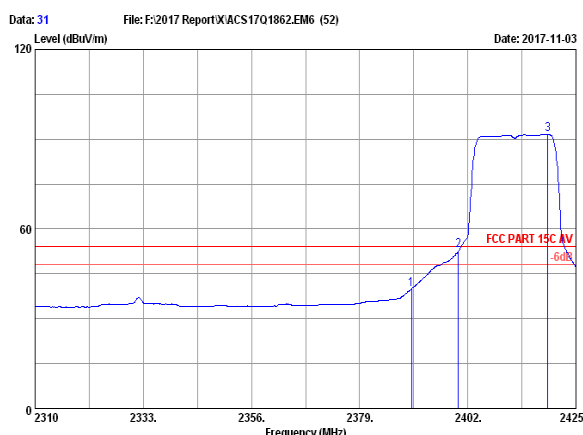
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 30
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11g 2412MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	27.96	7.84	41.90	42.09	54.00	11.91	Average
2	2400.000	27.96	7.88	55.01	55.24	54.00	-1.24	Average
3	2418.905	27.98	7.91	93.51	93.76	54.00	-39.76	Average

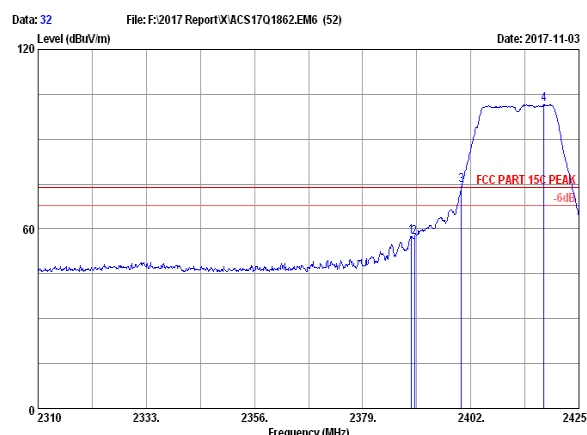
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 31
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11g 2412MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	27.96	7.84	39.75	39.94	54.00	14.06	Average
2	2400.000	27.96	7.88	52.47	52.70	54.00	1.30	Average
3	2419.020	27.98	7.91	91.32	91.57	54.00	-37.57	Average

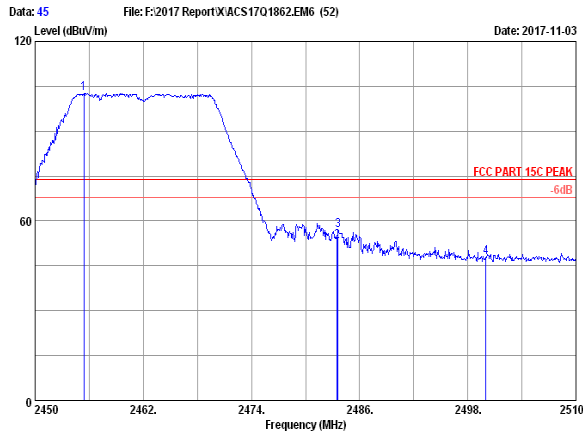
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 32
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11g 2412MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2389.350	27.96	7.84	57.40	57.62	74.00	16.38	Peak
2	2390.000	27.96	7.84	57.08	57.27	74.00	16.73	Peak
3	2400.000	27.96	7.88	74.41	74.64	74.00	-0.64	Peak
4	2417.525	27.98	7.91	101.35	101.60	74.00	-27.60	Peak

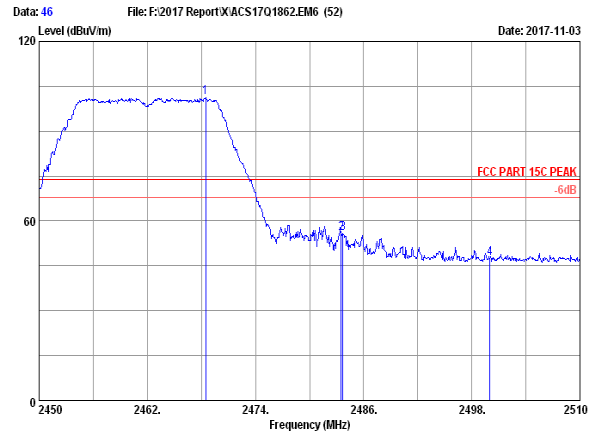
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 45
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11g 2462MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2455.400	28.05	7.98	102.35	102.70	74.00	-28.70	Peak
2	2483.500	28.08	8.02	52.77	53.16	74.00	20.84	Peak
3	2483.600	28.08	8.02	56.52	56.91	74.00	17.09	Peak
4	2500.000	28.10	8.05	47.23	47.64	74.00	26.36	Peak

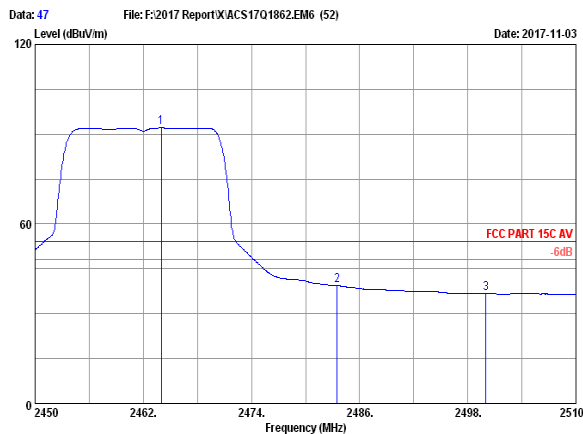
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 46
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11g 2462MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2468.480	28.05	7.98	100.88	101.20	74.00	-27.20	Peak
2	2483.500	28.08	8.02	55.58	55.97	74.00	18.03	Peak
3	2483.720	28.08	8.02	55.49	55.88	74.00	18.12	Peak
4	2500.000	28.10	8.05	47.22	47.63	74.00	26.37	Peak

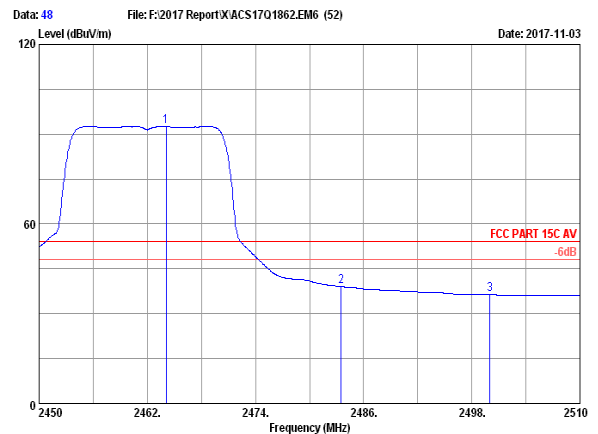
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 47
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11g 2462MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2463.980	28.05	7.98	91.82	92.17	54.00	-38.17	Average
2	2483.500	28.08	8.02	38.98	39.37	54.00	14.63	Average
3	2500.000	28.10	8.05	36.29	36.70	54.00	17.30	Average

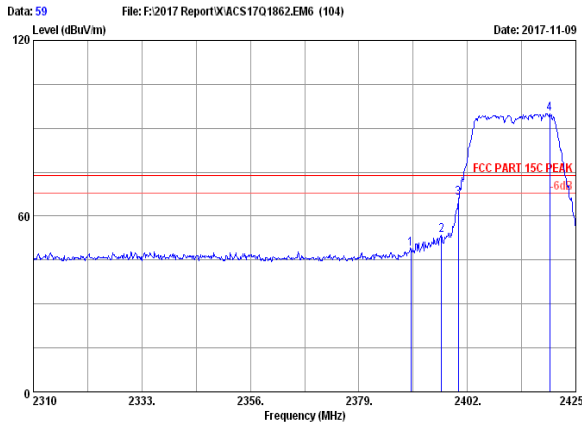
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 48
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11g 2462MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2464.100	28.05	7.98	92.29	92.64	54.00	-38.64	Average
2	2483.500	28.08	8.02	38.68	39.07	54.00	14.93	Average
3	2500.000	28.10	8.05	35.91	36.32	54.00	17.68	Average

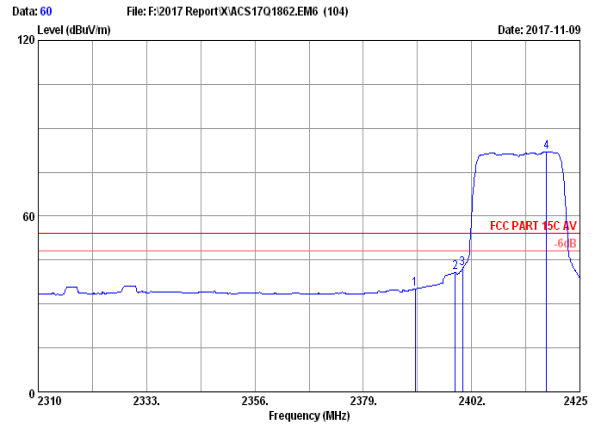
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 59
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nRt20 2412MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.040	27.96	7.88	48.67	48.90	74.00	25.10	Peak
2	2396.480	27.96	7.88	53.12	53.35	74.00	20.65	Peak
3	2400.045	27.96	7.88	65.82	66.05	74.00	7.95	Peak
4	2419.480	27.98	7.91	94.67	94.92	74.00	-20.92	Peak

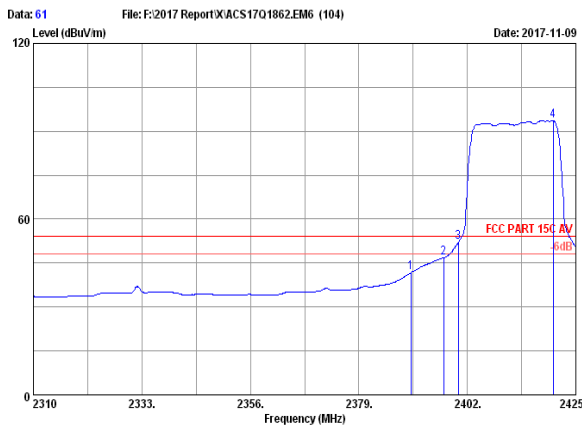
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 60
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nRt20 2412MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.040	27.96	7.88	34.91	35.14	54.00	18.86	Average
2	2396.550	27.96	7.88	40.53	40.76	54.00	13.24	Average
3	2400.045	27.96	7.88	41.89	42.12	54.00	11.88	Average
4	2417.870	27.98	7.91	81.68	81.93	54.00	-27.93	Average

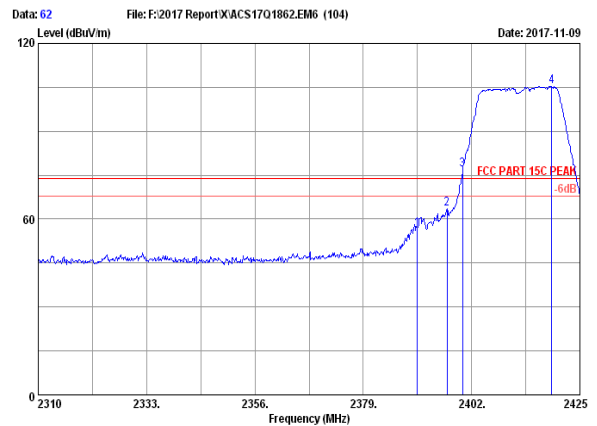
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 61
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nRt20 2412MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.040	27.96	7.88	41.46	41.69	54.00	12.31	Average
2	2396.940	27.96	7.88	46.52	46.75	54.00	7.25	Average
3	2400.045	27.96	7.88	51.81	52.04	54.00	1.96	Average
4	2420.170	28.00	7.91	93.38	93.65	54.00	-39.65	Average

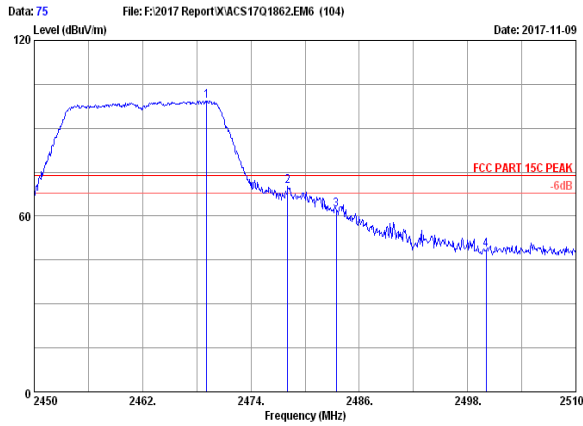
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 62
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nRt20 2412MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.500	27.96	7.88	56.42	56.65	74.00	17.35	Peak
2	2396.825	27.96	7.88	63.43	63.66	74.00	10.34	Peak
3	2400.045	27.96	7.88	76.58	76.81	74.00	-2.81	Peak
4	2419.020	27.98	7.91	105.17	105.42	74.00	-31.42	Peak

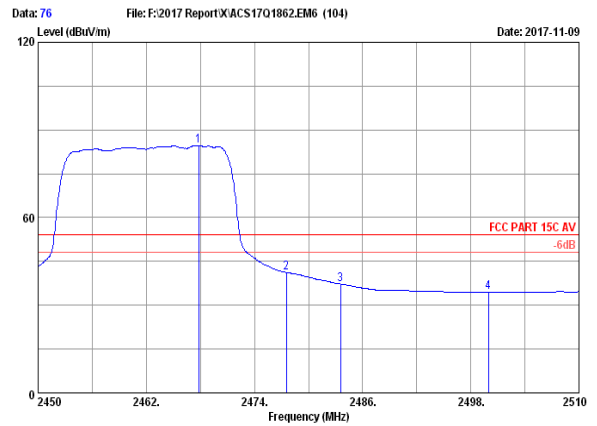
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 75
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nRt20 2462MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2469.080	28.05	7.98	99.00	99.32	74.00	-25.32	Peak
2	2470.080	28.08	8.02	69.70	70.09	74.00	3.91	Peak
3	2483.480	28.08	8.02	61.73	62.12	74.00	11.88	Peak
4	2500.040	28.10	8.05	47.90	48.31	74.00	25.69	Peak

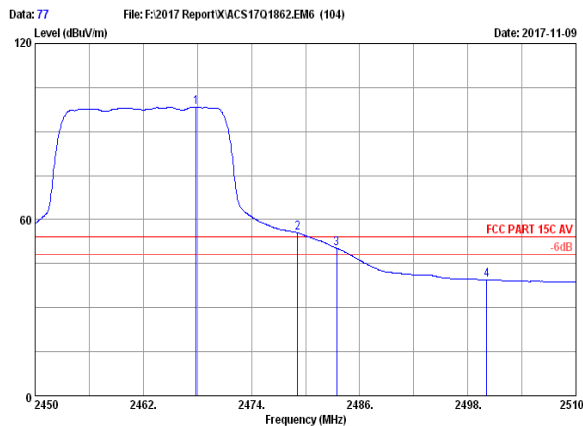
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 76
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nRt20 2462MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2467.820	28.05	7.98	84.20	84.52	54.00	-30.52	Average
2	2477.540	28.08	8.02	40.83	41.22	54.00	12.78	Average
3	2483.540	28.08	8.02	36.86	37.25	54.00	16.75	Average
4	2499.980	28.10	8.05	34.08	34.49	54.00	19.51	Average

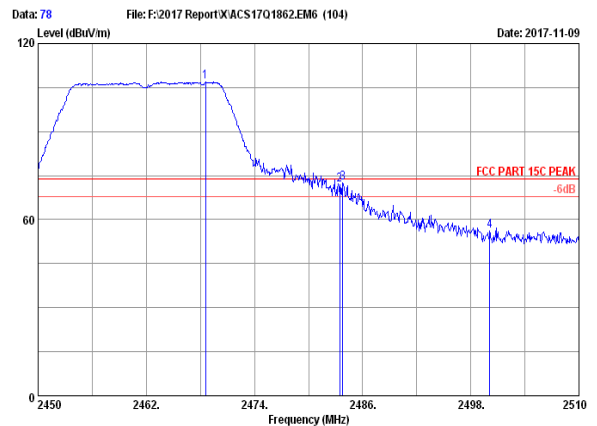
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 77
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nRt20 2462MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2467.880	28.05	7.98	97.96	98.28	54.00	-44.28	Average
2	2479.100	28.08	8.02	55.12	55.51	54.00	-1.51	Average
3	2483.480	28.08	8.02	49.76	50.15	54.00	3.85	Average
4	2500.100	28.10	8.05	39.01	39.42	54.00	14.58	Average

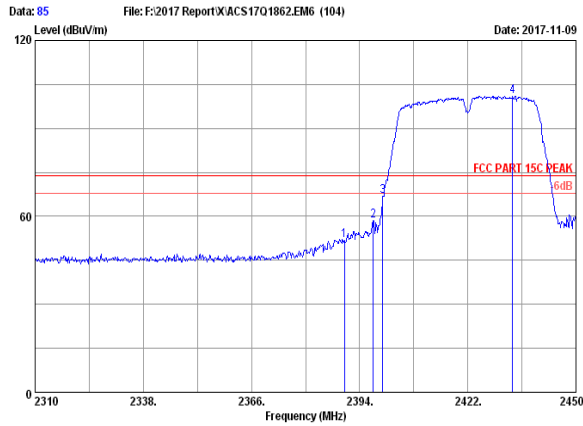
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 78
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nRt20 2462MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2468.600	28.05	7.98	106.55	106.87	74.00	-32.87	Peak
2	2483.480	28.08	8.02	71.52	71.91	74.00	2.09	Peak
3	2483.780	28.08	8.02	71.98	72.37	74.00	1.63	Peak
4	2500.100	28.10	8.05	55.89	56.30	74.00	17.70	Peak

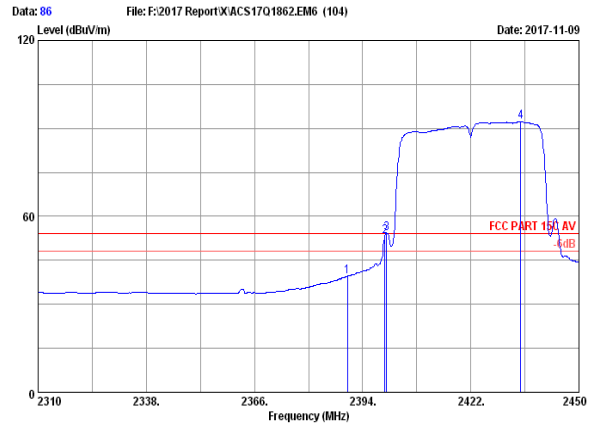
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 85
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nHt40 2422MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.080	27.96	7.88	51.53	51.76	74.00	22.24	Peak
2	2397.500	27.96	7.88	58.34	58.57	74.00	15.43	Peak
3	2400.020	27.96	7.88	66.56	66.79	74.00	7.21	Peak
4	2433.620	28.00	7.95	100.68	100.99	74.00	-26.99	Peak

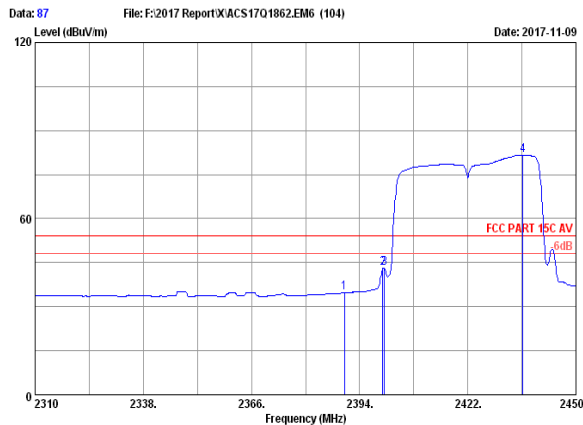
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 86
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nHt40 2422MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.080	27.96	7.88	39.29	39.52	54.00	14.48	Average
2	2399.740	27.96	7.88	52.97	53.20	54.00	0.80	Average
3	2400.160	27.96	7.88	54.06	54.29	54.00	-0.29	Average
4	2434.880	28.00	7.95	91.91	92.22	54.00	-38.22	Average

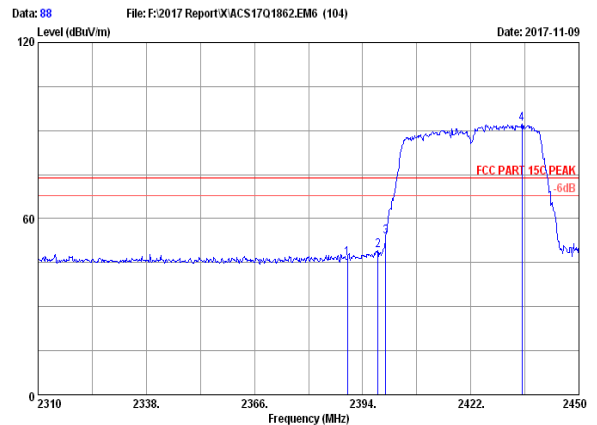
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 87
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nHt40 2422MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.080	27.96	7.88	34.48	34.71	54.00	19.29	Average
2	2400.020	27.96	7.88	42.87	43.10	54.00	10.90	Average
3	2400.440	27.96	7.88	42.75	42.98	54.00	11.02	Average
4	2436.280	28.00	7.95	81.35	81.66	54.00	-27.66	Average

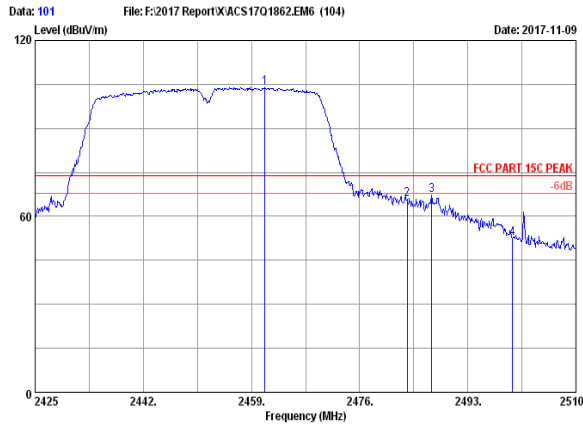
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 88
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nHt40 2422MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.080	27.96	7.88	46.19	46.42	74.00	27.58	Peak
2	2397.920	27.96	7.88	49.05	49.28	74.00	24.72	Peak
3	2400.020	27.96	7.88	53.74	53.97	74.00	20.03	Peak
4	2435.300	28.00	7.95	91.85	92.16	74.00	-18.16	Peak

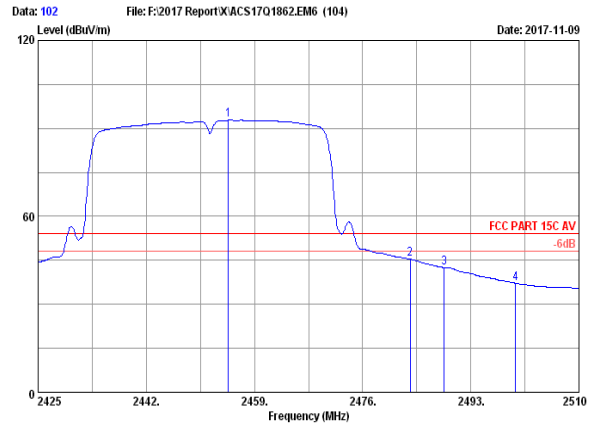
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 101
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nHt40 2452MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.125	28.05	7.98	103.72	104.07	74.00	-30.07	Peak
2	2483.480	28.08	8.02	65.50	65.89	74.00	8.11	Peak
3	2487.305	28.08	8.02	66.69	67.08	74.00	6.92	Peak
4	2500.055	28.10	8.05	52.23	52.64	74.00	21.36	Peak

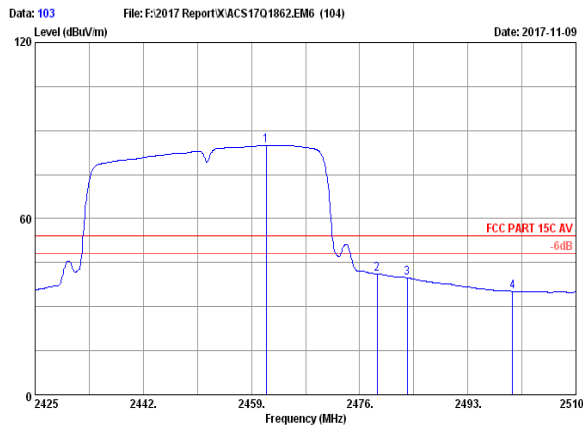
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 102
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nHt40 2452MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2454.920	28.05	7.98	92.42	92.77	54.00	-38.77	Average
2	2483.480	28.08	8.02	44.96	45.35	54.00	8.65	Average
3	2488.835	28.10	8.02	42.06	42.47	54.00	11.53	Average
4	2500.055	28.10	8.05	36.77	37.18	54.00	16.82	Average

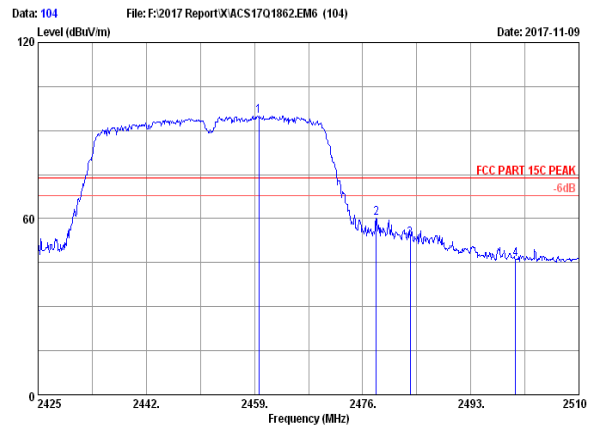
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 103
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C AV
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nHt40 2452MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2461.295	28.05	7.98	84.72	85.07	54.00	-31.07	Average
2	2478.720	28.08	8.02	40.81	41.20	54.00	12.80	Average
3	2483.480	28.08	8.02	39.41	39.80	54.00	14.20	Average
4	2500.055	28.10	8.05	34.82	35.23	54.00	18.77	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 104
 Dis. / Ant. : 3m 2017 ANT 3006 HF Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 23.3°C/53.1% Engineer : Lynn
 EUT : Smart Dash Camera/YI M/N:YCS.1A17
 Power rating : DC 12V
 Test Mode : 802.11nHt40 2452MHz Tx

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2459.680	28.05	7.98	94.68	95.03	74.00	-21.03	Peak
2	2478.125	28.08	8.02	59.62	60.01	74.00	13.99	Peak
3	2483.480	28.08	8.02	52.60	52.99	74.00	21.01	Peak
4	2500.055	28.10	8.05	45.64	46.05	74.00	27.95	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
 2. The emission levels that are 20dB below the official limit are not reported.

7. 6dB Bandwidth Test

7.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Sep.20,17	1 Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.27,17	1 Year
3.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	No.1	Oct.15,17	1 Year

7.2. Limit

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

7.3. Test Procedure

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

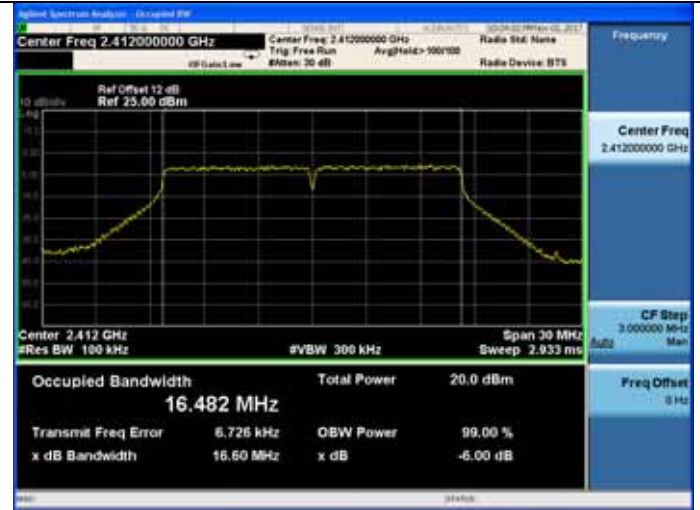
7.4. Test Results

EUT: Smart Dash Camera/YI		
M/N: YCS.1A17		
Test date: 2017-11-02~09	Pressure: 102.1±1.0 kpa	Humidity: 51.1±3.0%
Tested by: Kayle	Test site: RF site	Temperature: 22.8±0.6 °C

Test Mode	CH	-6dB bandwidth (MHz)	Limit (KHz)
11b	CH1	10.09	>500
	CH6	10.09	>500
	CH11	10.09	>500
11g	CH1	16.60	>500
	CH6	16.60	>500
	CH11	16.60	>500
11n HT20	CH1	17.77	>500
	CH6	17.72	>500
	CH11	17.76	>500
11n HT40	CH3	36.43	>500
	CH6	36.42	>500
	CH9	36.41	>500
Conclusion : PASS			

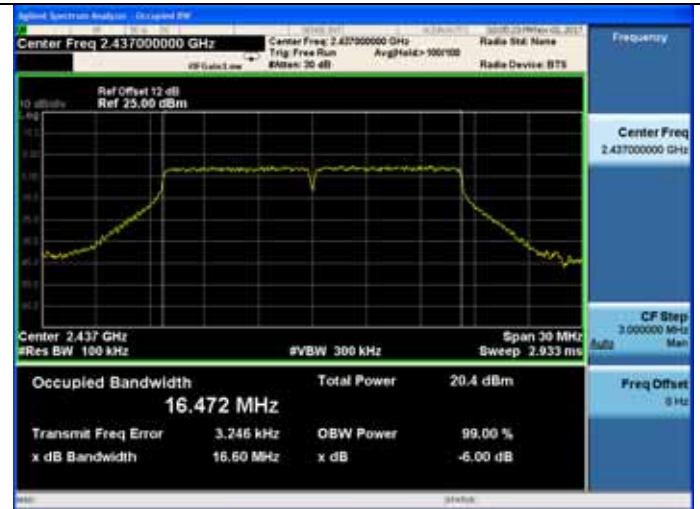
Test Mode: IEEE 802.11b
Test CH1: 2412MHz

Test Mode: IEEE 802.11g
Test CH1: 2412MHz



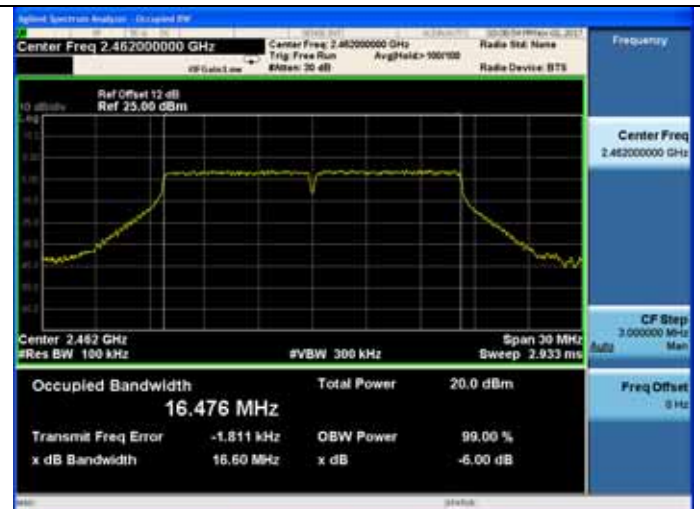
Test CH6: 2437MHz

Test CH6: 2437MHz



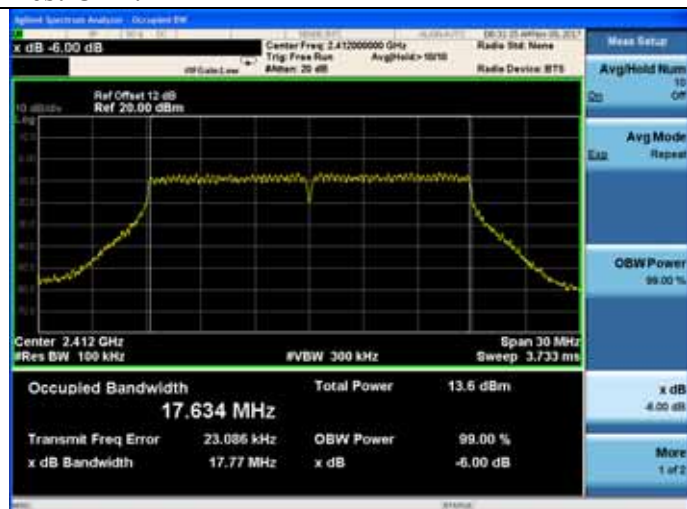
Test CH11: 2462MHz

Test CH11: 2462MHz



Test Mode: IEEE 802.11n HT20

Test CH1: 2412MHz

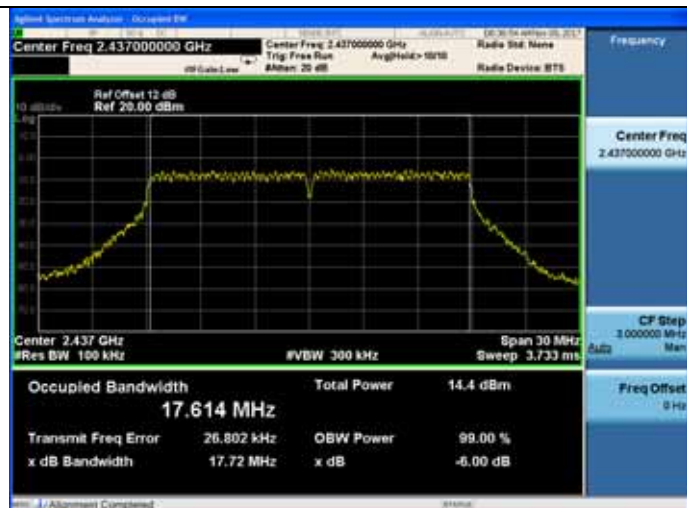


Test Mode: IEEE 802.11 HT40

Test CH3: 2422MHz



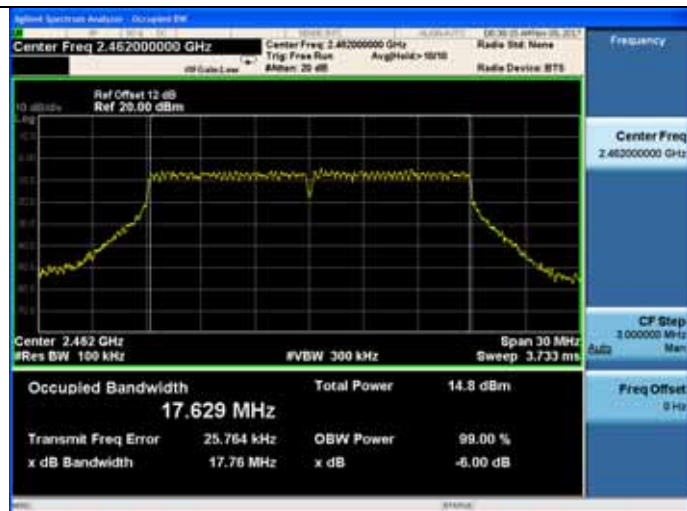
Test CH6: 2437MHz



Test CH6: 2437MHz



Test CH11: 2462MHz



Test CH9: 2452MHz



8. OUTPUT POWER TEST

8.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Sep.20,17	1 Year
2.	Power meter	Anritsu	ML2487A	6K00002472	Apr.22,17	1 Year
3.	Power sensor	Anritsu	MA2491A	0033005	Apr.22,17	1 Year
4.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.22,17	1 Year
5.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	No.1	Oct.15,17	1 Year

8.2. Limit (FCC Part 15C 15.247 b(3))

For systems using digital modulation in the 2400—2483.5MHz, The Peak output Power shall not exceed 1W(30dBm), As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level.

8.3. Test Procedure

- 1, Connected the EUT's antenna port to measure device by 26dB attenuator.
- 2, Use the test method descried in KDB558074 clause 9.2.2.
 - 1) Set the RBW=1MHz and VBW =3MHz
 - 2) Set the span at least 1.5 times the OBW
 - 3) Detector = RMS
 - 4) Sweep time = auto couple
 - 5) allow trace to fully stabilize
 - 6) use the spectrum analyzer's integrated band power measurement function with band limits set equal to the EBW band edges.

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

8.4. Test Results

EUT: Smart Dash Camera/YI			
M/N: YCS.1A17			
Test date: 2017-11-02~09		Pressure: 102.1±1.0 kpa	Humidity: 51.1±3.0%
Tested by: Kayle		Test site: RF site	Temperature: 22.8±0.6 °C
Test Mode	CH	output Power (dBm)	Limit (dBm)
11b	CH1	16.63	30
	CH6	16.83	30
	CH11	16.95	30
11g	CH1	13.67	30
	CH6	14.04	30
	CH11	13.69	30
11n HT20	CH1	13.58	30
	CH6	14.33	30
	CH11	14.67	30
11n HT40	CH3	13.37	30
	CH6	13.77	30
	CH9	14.00	30
Conclusion: PASS			

Test Mode: IEEE 802.11b
Test CH3: 2412MHz



Test CH9: 2462MHz



Test CH6: 2437MHz



Test Mode: IEEE 802.11g
Test CH3: 2412MHz



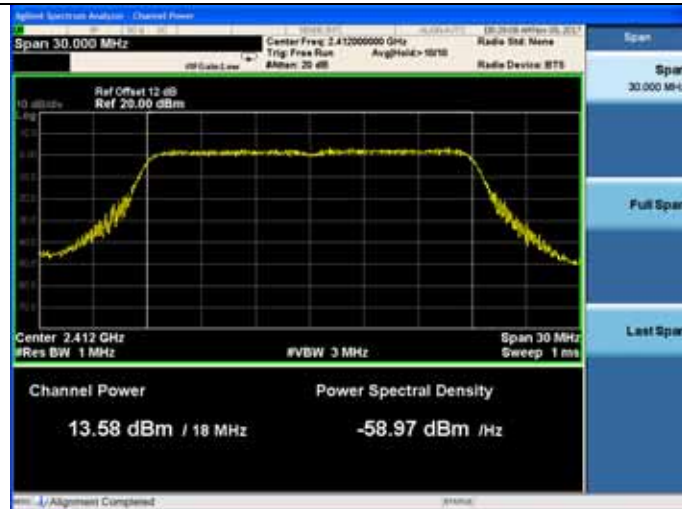
Test CH9: 2462MHz



Test CH6: 2437MHz



Test Mode: IEEE 802.11n HT20
Test CH3: 2412MHz



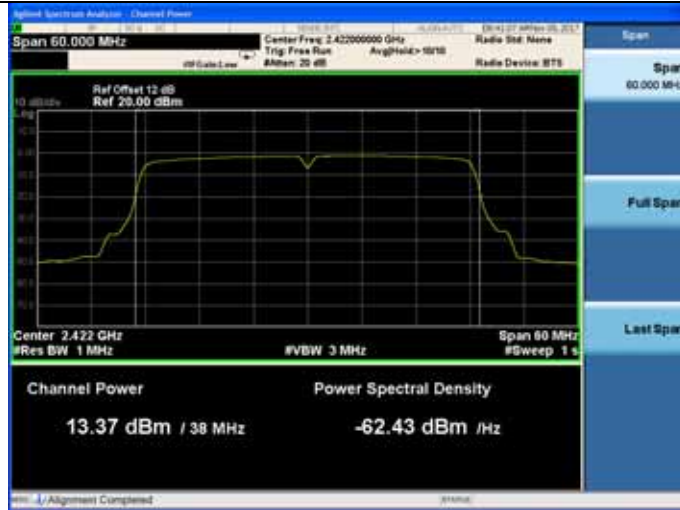
Test CH9: 2462MHz



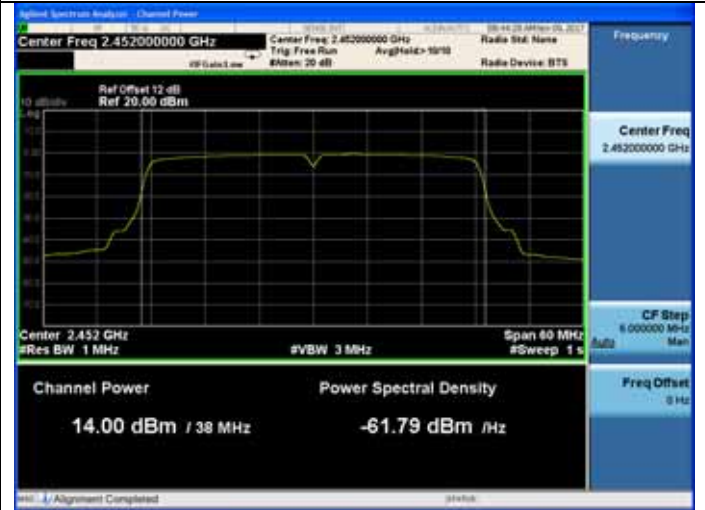
Test CH6: 2437MHz



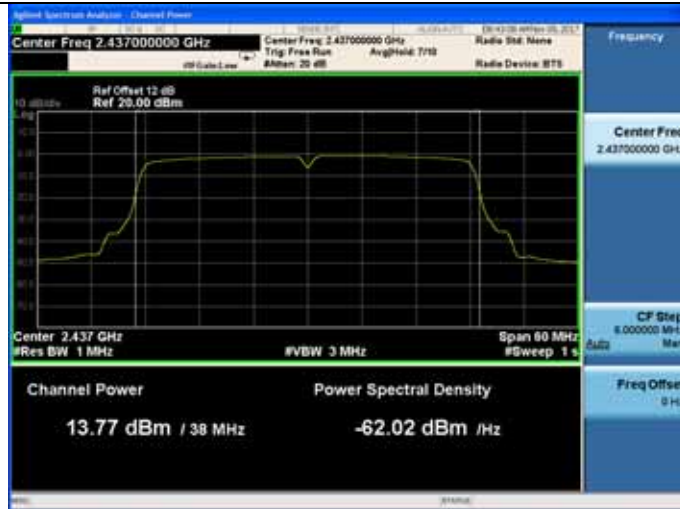
Test Mode: IEEE 802.11n HT40
Test CH3: 2422MHz



Test CH9: 2452MHz



Test CH6: 2437MHz



9. POWER SPECTRAL DENSITY TEST

9.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Sep.20,17	1 Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.27,17	1 Year
3.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	No.1	Oct.15,17	1 Year

9.2. Limit

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

9.3. Test Procedure

1. Connected the EUT's antenna port to spectrum analyzer device by 20dB attenuator.
2. Set span to 1.5 times the DTS Bandwidth.
3. Set the RBW=3KHz, VBW=10KHz.
4. Detector=peak, Sweep time=Auto, Trace mode=max Hold
5. All the trace to fully stabilize.
6. Use the peak marker function to determine the maximum amplitude level with in the RBW.

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

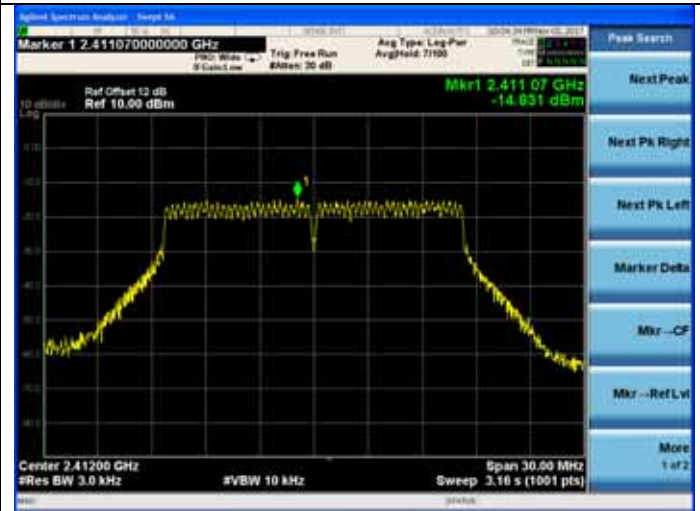
9.4. Test Results

EUT: Smart Dash Camera/YI			
M/N: YCS.1A17			
Test date: 2017-11-02~09		Pressure: 102.1±1.0 kpa	Humidity: 51.1±3.0%
Tested by: Kayle		Test site: RF site	Temperature: 22.8±0.6 °C
Test Mode	CH	Power Density (dBm/3KHz)	Limit (dBm/3KHz)
11b	CH1	-12.632	8
	CH6	-13.481	8
	CH11	-12.907	8
11g	CH1	-14.831	8
	CH6	-14.775	8
	CH11	-14.828	8
11n HT20	CH1	-14.655	8
	CH6	-13.468	8
	CH11	-13.164	8
11n HT40	CH3	-16.830	8
	CH6	-17.140	8
	CH9	-16.135	8
Conclusion: PASS			

Test Mode: IEEE 802.11b
Test CH1: 2412MHz



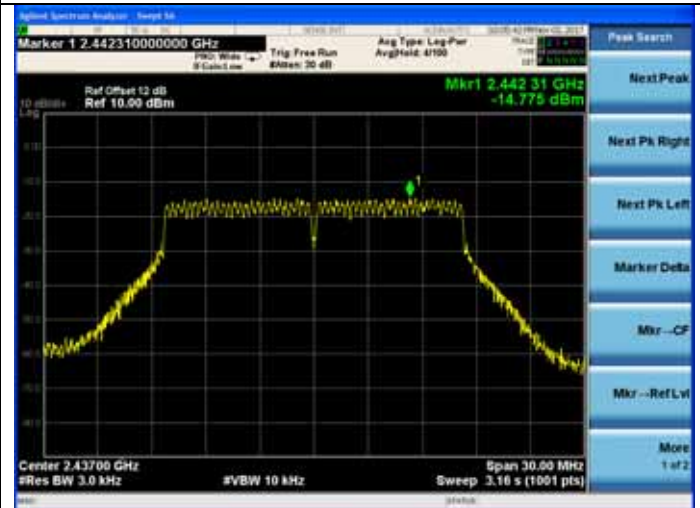
Test Mode: IEEE 802.11g
Test CH1: 2412MHz



Test CH6: 2437MHz



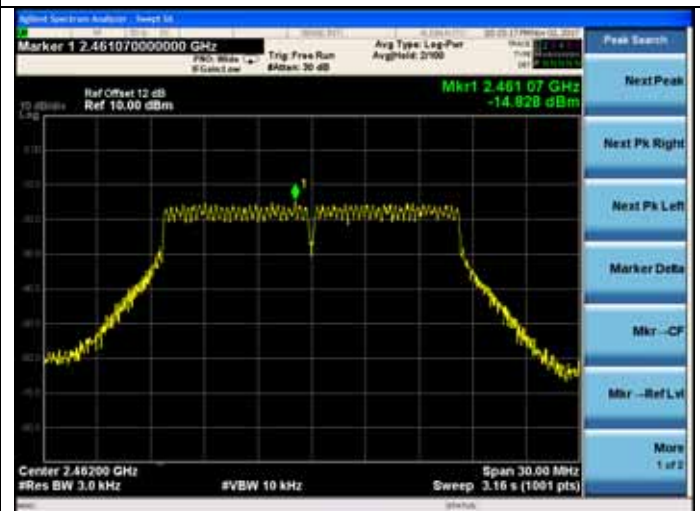
Test CH6: 2437MHz



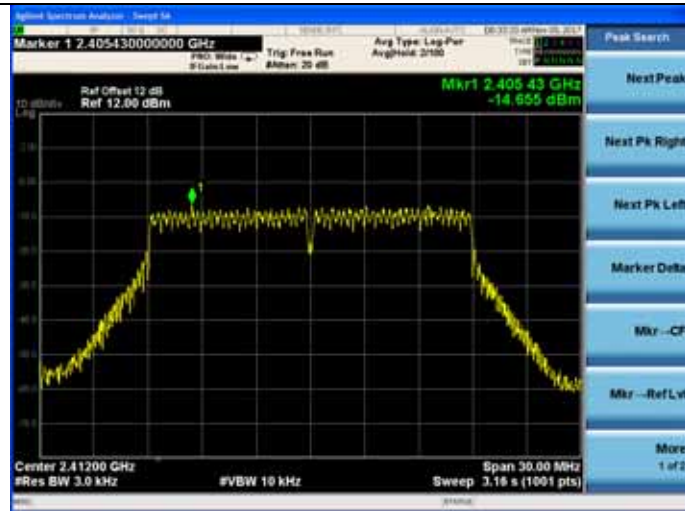
Test CH11: 2462MHz



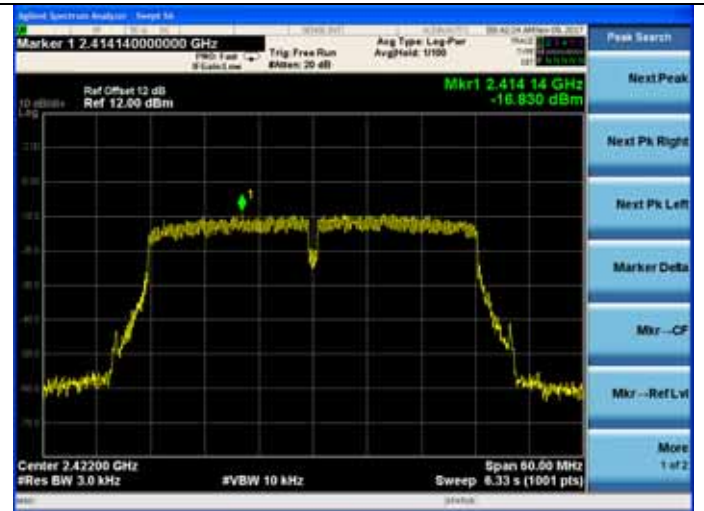
Test CH11: 2462MHz



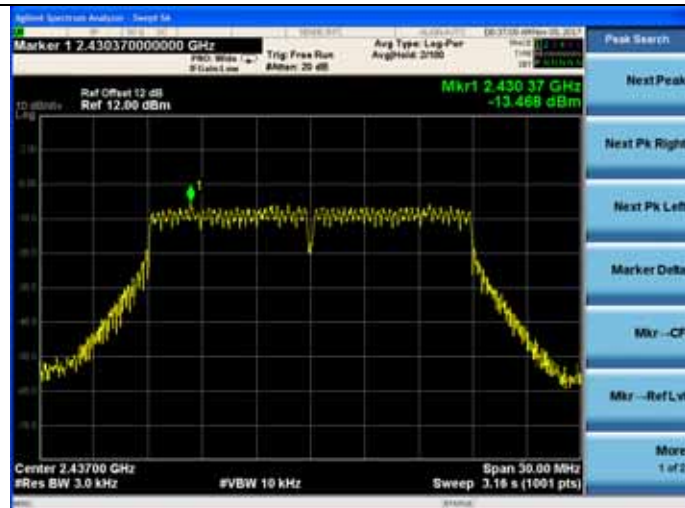
Test Mode: IEEE 802.11n HT20
Test CH1: 2412MHz



Test Mode: IEEE 802.11n HT40
Test CH3: 2422MHz



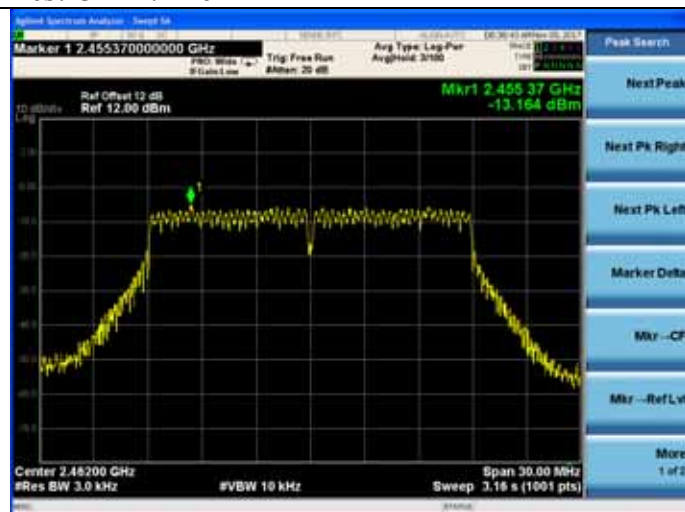
Test CH6: 2437MHz



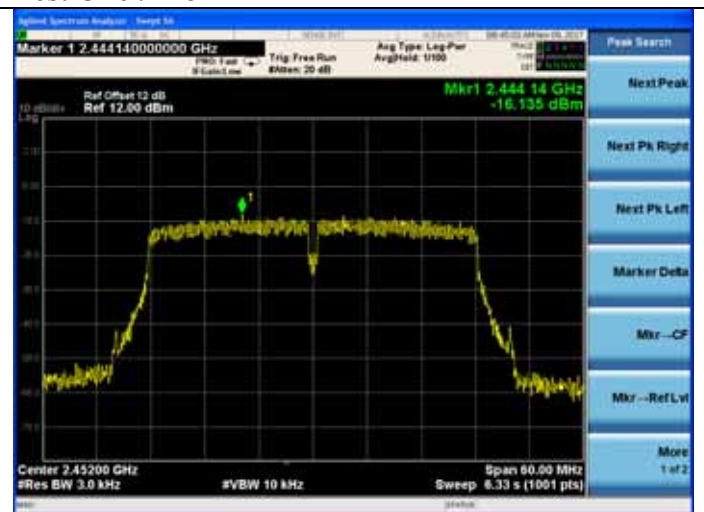
Test CH6: 2437MHz



Test CH11: 2462MHz



Test CH9: 2452MHz



10. MPE ESTIMATION

10.1.Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/cm2)	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Frequency	Power density (mW/cm2)	Averaging time(minutes)
2412	1	30
2437	1	30
2462	1	30

Note: F= Frequency in MHz

10.2.Estimation Result

EUT: Smart Dash Camera/YI		
M/N: YCS.1A17		
Test date: 2017-11-02	Pressure: 102.1±1.0 kpa	Humidity: 51.1±3.0%
Tested by: Kayle	Test site: RF site	Temperature:22.8±0.6 °C

Test Mode	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	2412	16.63	46.03	3.0	2.00	0.0183
	2437	16.83	48.19	3.0	2.00	0.0191
	2462	16.95	49.55	3.0	2.00	0.0197
11g	2412	13.67	23.28	3.0	2.00	0.0092
	2437	14.04	25.35	3.0	2.00	0.0101
	2462	13.69	23.39	3.0	2.00	0.0093
11n HT20	2412	13.58	22.80	3.0	2.00	0.0091
	2437	14.33	27.10	3.0	2.00	0.0108
	2462	14.67	29.31	3.0	2.00	0.0116
11n HT40	2422	13.37	21.73	3.0	2.00	0.0086
	2437	13.77	23.82	3.0	2.00	0.0095
	2452	14.00	25.12	3.0	2.00	0.0100

$$MPE = \frac{PG}{4\pi R^2} \quad (R=20 \text{ cm})$$

11. ANTENNA REQUIREMENT

11.1. Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

11.2. Antenna Connected Construction

The antennas used for this product are Connector antenna that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 3.0dBi.