

FCC Test Report

Product Name : OneStep+ i-Type camera
Trade Name : Polaroid Originals, OneStep
Model No. : OneStep+
FCC ID. : 2AHU9-9002

Applicant : Impossible B.V.
Address : Hoge Bothofstraat 45, 7511 ZA Enschede,
The Netherlands

Date of Receipt : Mar. 12, 2018
Issued Date : May 18, 2018
Report No. : 1830148R-RFUSP01V00
Report Version : V1.0



The test results relate only to the samples tested.

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Test Report Certification

Issued Date : May 18, 2018

Report No. : 1830148R-RFUSP01V00



Product Name : OneStep+ i-Type camera
Applicant : Impossible B.V.
Address : Hoge Bothofstraat 45, 7511 ZA Enschede, The Netherlands
Manufacturer : Qisda (Suzhou) Co., Ltd
Trade Name : Polaroid Originals, OneStep
Model No. : OneStep+
FCC ID. : 2AHU9-9002
EUT Voltage : Mode 1: AC 120V/60Hz (Power by Notebook PC)
: Mode 2: DC 3.7V (Power by Battery)
Testing Voltage : Mode 1: AC 120V/60Hz (Power by Notebook PC)
: Mode 2: DC 3.7V (Power by Battery)
Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2017
: ANSI C63.10: 2013
Laboratory Name : Hsin Chu Laboratory
Address : No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu
County 310, Taiwan, R.O.C.
TEL: +886-3-582-8001 / FAX: +886-3-582-8958
Test Result : Complied

Documented By :



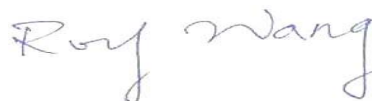
(Carol Tsai / Senior Engineering Adm. Specialist)

Tested By :



(Mark Chang / Engineer)

Approved By :



(Roy Wang / Director)

Revision History

Report No.	Version	Description	Issued Date
1830148R-RFUSP01V00	V1.0	Initial issue of report	May 18, 2018

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1. General Information

1.1. EUT Description

Product Name	OneStep+ i-Type camera
Trade Name	Polaroid Originals, OneStep
Model No.	OneStep+
Frequency Range/Channel Number	2402~2480MHz / 40 Channels
Type of Modulation	GFSK

Antenna Information	
MFR. / Model No.	7layers, MDE_IMPOSSIBLE_1501
Antenna Type	PCB antenna
Antenna Gain	2.6 dBi

Accessories Information	
USB Cable	Shielded, 1.14 m

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

Note:

1. This device is OneStep+ i-Type camera support BT4.0 transmitting and receiving function.
2. Regards to the frequency band operation; the lowest 、middle and highest frequency of channel were selected to perform the test, and then shown on this report.

1.2. Test Mode

DEKRA has verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Test Mode	Mode 1: Transmit (Power by Notebook PC) Mode 2: Transmit (Power by Battery)
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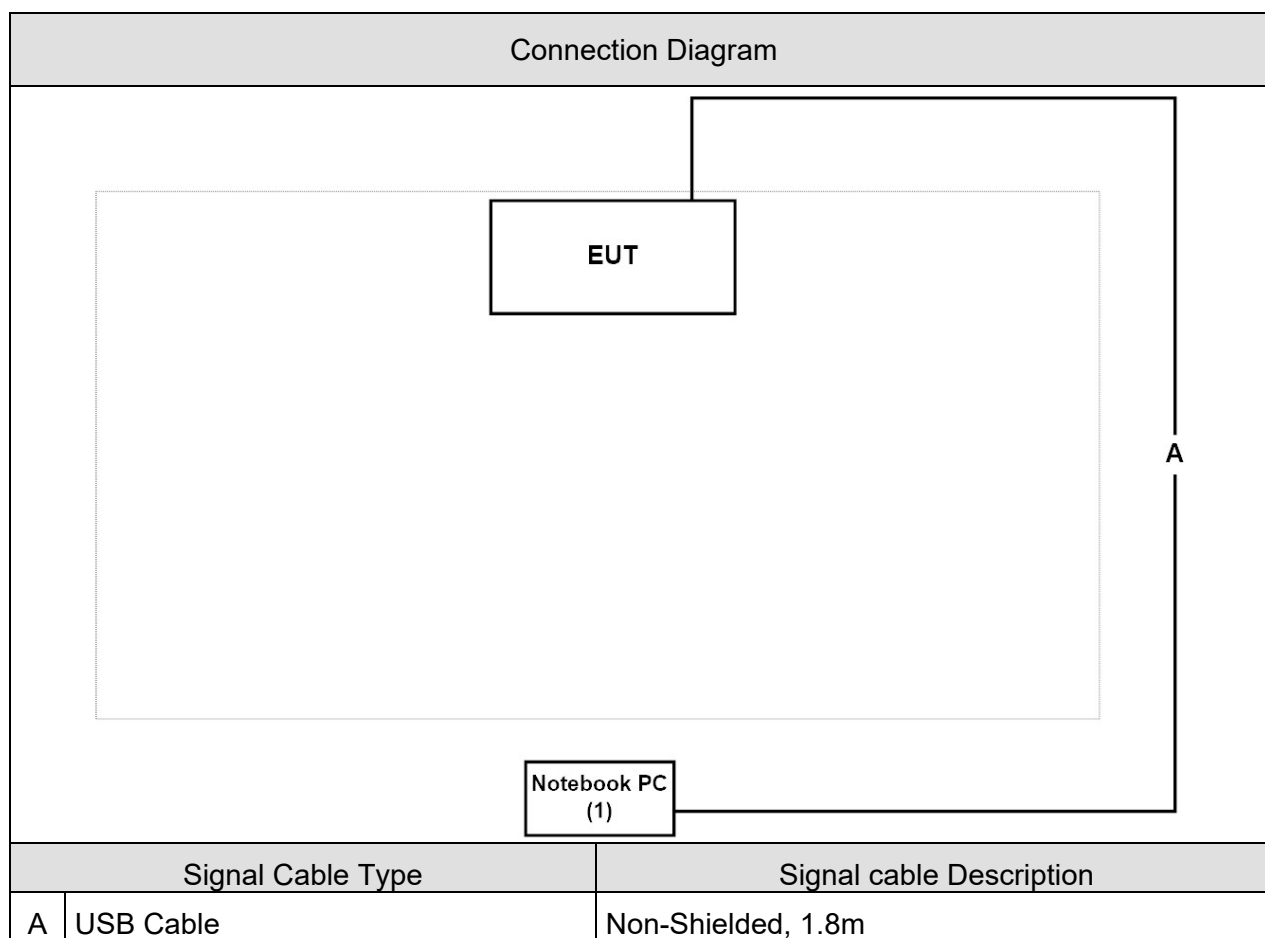
Test Items	Modulation	Channel	Result
Conducted Emission	GFSK	19	Complies
Maximum peak conducted output power	GFSK	00/19/39	Complies
Radiated Emission	GFSK	00/19/39	Complies
RF antenna conducted test	GFSK	00/39	Complies
Radiated Emission Radiated Emission Band Edge	GFSK	00/19/39	Complies
Occupied Bandwidth & DTS Bandwidth	GFSK	00/19/39	Complies
Power Density	GFSK	00/19/39	Complies

1.3. Tested System Details

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

Product		Manufacturer	Model No.	Serial No.	FCC ID	Power Cord
1	Notebook PC	Lenovo	B590	WB15330077	DoC	Non-Shielded, 1.8m, one ferrite core bonded

1.4. Configuration of tested System



1.5. EUT Exercise Software

1	Setup the EUT as shown in Section 1.4.
2	Execute the "One step Plus_Tester" on the laptop.
3	Configure the test mode, the test channel, and the data rate.
4	Press "Start TX" to start the continuous transmitting.
5	Verify that the EUT works properly.

1.6. Test Facility

Ambient conditions in the laboratory:

Items	Test Item	Required (IEC 68-1)	Actual	Test Site
Temperature (°C)	FCC PART 15 C 15.207 Conducted Emission	15 - 35	20	3
Humidity (%RH)		25 - 75	50	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Maximum peak conducted output power	15 - 35	24	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission	15 - 35	25	2
Humidity (%RH)		25 - 75	54	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 RF antenna conducted test	15 - 35	24	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Radiated Emission Band Edge	15 - 35	25	2
Humidity (%RH)		25 - 75	50	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Occupied Bandwidth & DTS Bandwidth	15 - 35	24	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	
Temperature (°C)	FCC PART 15 C 15.247 Power Density	15 - 35	24	3
Humidity (%RH)		25 - 75	45	
Barometric pressure (mbar)		860 - 1060	950-1000	

Note: Test site information refers to Laboratory Information.

USA : FCC, Registration Number: TW3024

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

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

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

If you have any comments, Please don't hesitate to contact us. Our test sites as below:

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1.7. List of Test Equipment

Conducted Emission / SR2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Artificial Mains Network	R&S	ENV4200	848411/010	2018/01/22	2019/01/21
Test Receiver	R&S	ESCS 30	836858/022	2018/03/30	2019/03/29
LISN	R&S	ENV216	100092	2017/07/31	2018/07/30
Coaxial Cable	Harbour	RG-400	SR2-H	2017/08/15	2018/08/14

Maximum peak conducted output power / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
High Speed Peak Power Meter Dual Input	Anritsu	ML2496A	1602004	2018/01/02	2019/01/01
Pulse Power Sensor	Anritsu	MA2411B	1531043	2018/01/02	2019/01/01
Pulse Power Sensor	Anritsu	MA2411B	1531044	2018/01/02	2019/01/01
Power Meter	Keysight	8990B	MY51000248	2017/06/19	2018/06/18
Power Sensor	Keysight	N1923A	MY57240005	2017/06/19	2018/06/18

Radiated Emission / CB2-H, CB4-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2017/11/21	2018/11/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/10	2019/01/09
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2018/03/05	2019/03/04
Bilog Antenna	Teseq	CBL6112D	23191	2017/06/28	2018/06/27
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2017/06/14	2018/06/13
Horn Antenna	Schwarzbeck	BBHA 9170	202	2018/01/31	2019/01/30
Pre-Amplifier	Dekra	AP-025C	201801236	2018/02/26	2019/02/25
Pre-Amplifier	EMCI	EMC11830I	980366	2018/01/08	2019/01/07
Pre-Amplifier	Dekra	AP-400C	201801231	2017/12/13	2018/12/12
Band Reject Filter	Micro-Tronics	BRM50702	G192	2018/04/11	2019/04/10
Band Reject Filter	Micro-Tronics	BRM50716	G089	2018/04/11	2019/04/10
Cable	Suhner	SF104_SF104_SF104_SF104	A211	2017/8/28	2018/08/27
Cable	Suhner	SF104_SF104_SF104_SF102	A219	2017/8/15	2018/08/14
Magnetic Loop Antenna	Teseq	HLA 6121	44287	2017/10/13	2018/10/12

RF antenna conducted test / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2017/06/13	2018/06/12
Spectrum Analyzer	Keysight	N9010B	MY57110159	2017/06/05	2018/06/04
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/07/26	2018/07/25
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/10	2019/01/09

Radiated Emission Band Edge / CB2-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Signal Analyzer	R&S	FSVA40	101455	2017/11/21	2018/11/20
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/10	2019/01/09
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2018/03/05	2019/03/04
Bilog Antenna	Teseq	CBL6112D	23191	2017/06/28	2018/06/27
Horn Antenna	Schwarzbeck	BBHA 9120D	639	2017/06/14	2018/06/13
Horn Antenna	Schwarzbeck	BBHA 9170	202	2018/01/31	2019/01/30
Pre-Amplifier	Dekra	AP-025C	201801236	2018/02/26	2019/02/25
Pre-Amplifier	EMCI	EMC11830I	980366	2018/01/08	2019/01/07
Pre-Amplifier	Dekra	AP-400C	201801231	2017/12/13	2018/12/12
Pre-Amplifier	EMCI	EMC11830I	980366	2018/01/08	2019/01/07
Pre-Amplifier	Dekra	AP-400C	201801231	2017/12/13	2018/12/12
Cable	Suhner	SF104_SF104_ SF104_SF104	A211	2017/08/28	2018/08/27
Cable	Suhner	SF104_SF104_ SF104_SF102	A219	2017/08/15	2018/08/14

Occupied Bandwidth & DTS Bandwidth / SR10-H

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2017/06/13	2018/06/12
Spectrum Analyzer	Keysight	N9010B	MY57110159	2017/06/05	2018/06/04
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/07/26	2018/07/25
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/10	2019/01/09

Power Density / SR10-H

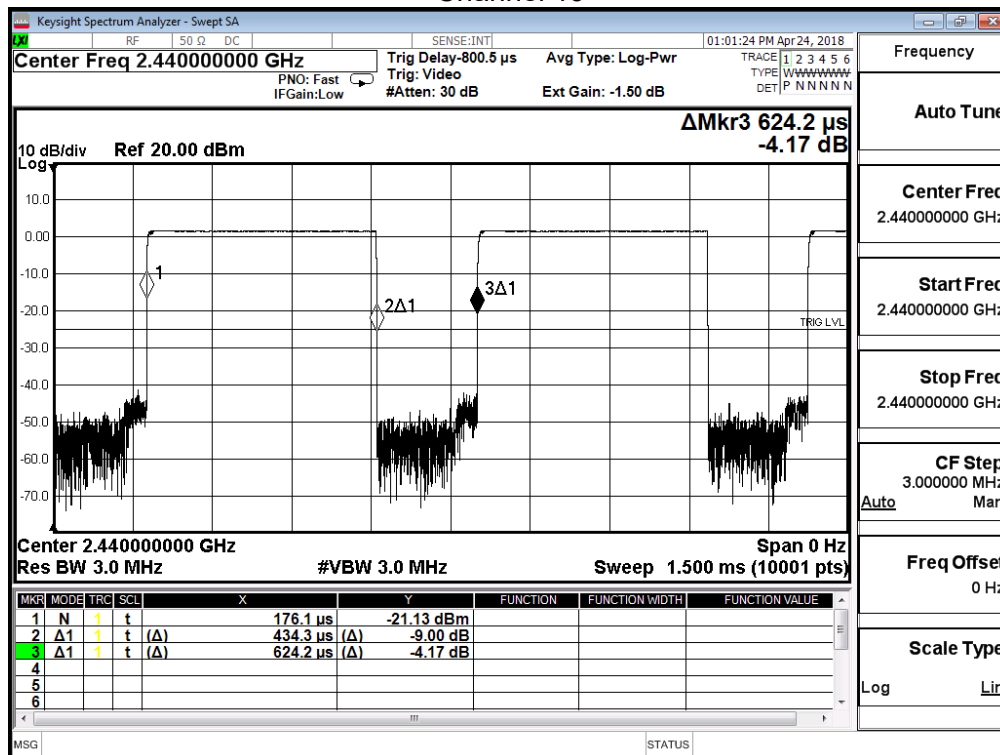
Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
Spectrum Analyzer	Keysight	N9030B	MY57140404	2017/06/13	2018/06/12
Spectrum Analyzer	Keysight	N9010B	MY57110159	2017/06/05	2018/06/04
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/07/26	2018/07/25
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/10	2019/01/09

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

1.8. Duty cycle

Frequency	On Time(ms)	Off Time(ms)	Duty	Offset
2440MHz	0.435	0.625	0.696	3.151

Channel 19

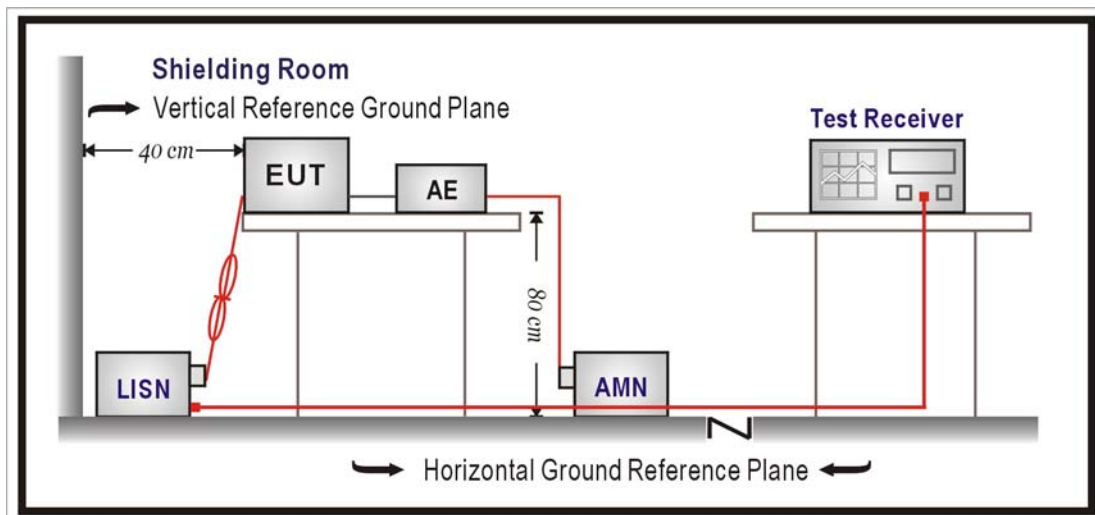


1.9. Uncertainty

Test item	Uncertainty
Conducted Emission	$\pm 2.26\text{dB}$
Maximum peak conducted output power	$\pm 1.27\text{dB}$
Radiated Emission	30MHz~1GHz as $\pm 3.43\text{dB}$ 1GHz~26.5GHz as $\pm 3.65\text{dB}$
RF antenna conducted test	$\pm 1.27\text{dB}$
Radiated Emission Radiated Emission Band Edge	$\pm 3.9\text{dB}$
Occupied Bandwidth	$\pm 150\text{Hz}$
DTS Bandwidth	$\pm 150\text{Hz}$
Power Density	$\pm 1.27\text{dB}$

2. Conducted Emission

2.1. Test Setup



2.2. Limits

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

Remarks: In the above table, the tighter limit applies at the Radiated Emission Band Edges.

2.3. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement.

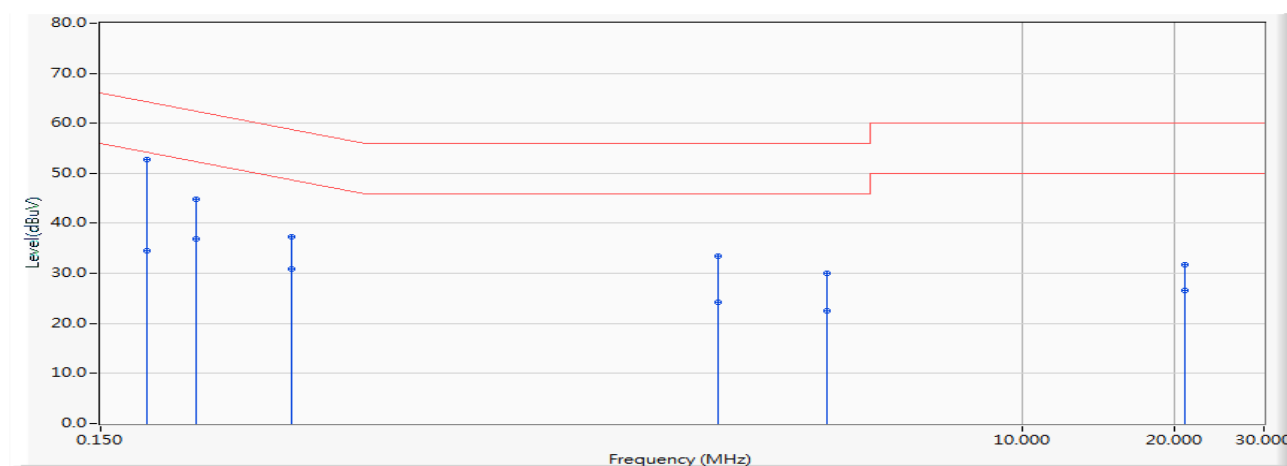
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9KHz.

2.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.207: 2017

2.5. Test Result

Site : SR2-H	Time : 2018/05/11
Limit : CISPR B_00M_QP	Margin : 10
Probe : SR2-H_LISN(16A)-7_0731 - Line1	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2440MHz

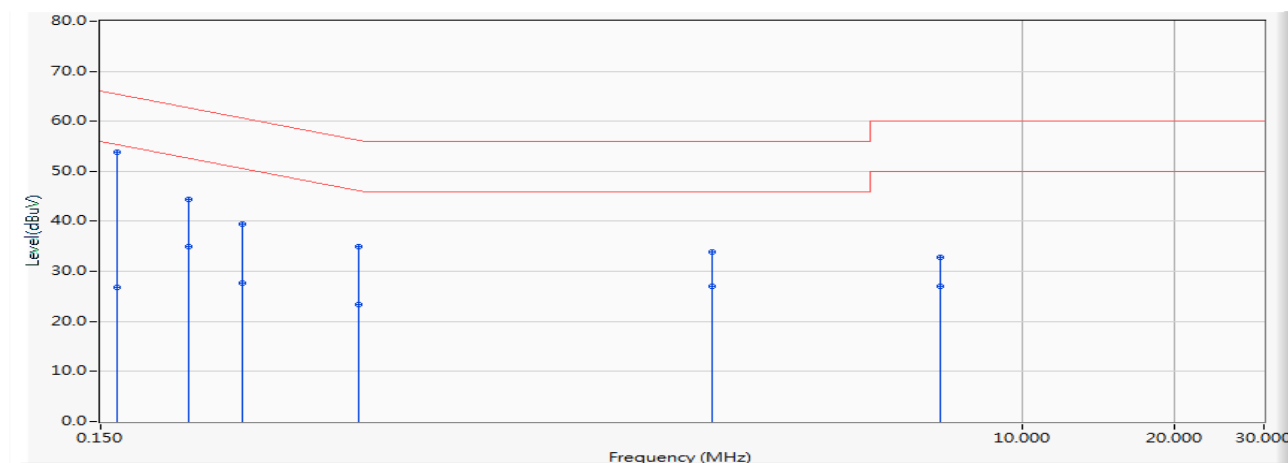


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.185	9.690	43.000	52.690	-11.561	64.251	QUASIPeAK
2		0.185	9.690	24.920	34.610	-19.641	54.251	AVERAGE
3		0.232	9.690	35.210	44.900	-17.477	62.377	QUASIPeAK
4		0.232	9.690	27.130	36.820	-15.557	52.377	AVERAGE
5		0.357	9.690	27.700	37.390	-21.407	58.797	QUASIPeAK
6		0.357	9.690	21.200	30.890	-17.907	48.797	AVERAGE
7		2.494	9.812	23.660	33.472	-22.528	56.000	QUASIPeAK
8		2.494	9.812	14.430	24.242	-21.758	46.000	AVERAGE
9		4.111	9.821	20.110	29.931	-26.069	56.000	QUASIPeAK
10		4.111	9.821	12.610	22.431	-23.569	46.000	AVERAGE
11		20.939	10.288	21.440	31.728	-28.272	60.000	QUASIPeAK
12		20.939	10.288	16.390	26.678	-23.322	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : SR2-H	Time : 2018/05/11
Limit : CISPR_B_00M_QP	Margin : 10
Probe : SR2-H_LISN(16A)-7_0731 - Line2	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2440MHz



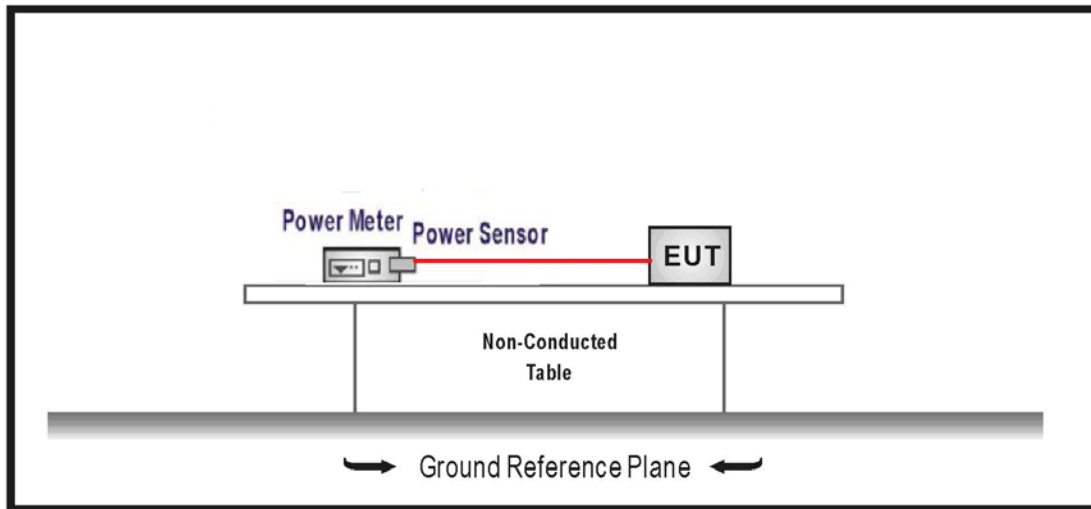
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV)	Margin (dB)	Limit (dBuV)	Detector Type
1	*	0.162	9.680	44.210	53.890	-11.485	65.375	QUASIPeAK
2		0.162	9.680	17.140	26.820	-28.555	55.375	AVERAGE
3		0.224	9.680	34.780	44.460	-18.201	62.661	QUASIPeAK
4		0.224	9.680	25.310	34.990	-17.671	52.661	AVERAGE
5		0.287	9.680	29.740	39.420	-21.199	60.619	QUASIPeAK
6		0.287	9.680	17.930	27.610	-23.009	50.619	AVERAGE
7		0.486	9.681	25.300	34.981	-21.256	56.237	QUASIPeAK
8		0.486	9.681	13.620	23.301	-22.936	46.237	AVERAGE
9		2.435	9.802	24.010	33.812	-22.188	56.000	QUASIPeAK
10		2.435	9.802	17.250	27.052	-18.948	46.000	AVERAGE
11		6.888	9.925	22.810	32.734	-27.266	60.000	QUASIPeAK
12		6.888	9.925	17.060	26.984	-23.016	50.000	AVERAGE

Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

3. Maximum peak conducted output power

3.1. Test Setup



3.2. Test procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB558074 D01V04 for compliance to FCC 47CFR 15.247 requirements.

3.3. Limits

The maximum peak power shall be less 1 Watt.

3.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2017

3.5. Test Result

Product	OneStep+ i-Type camera		
Test Item	Maximum peak conducted output power		
Test Mode	Mode 1: Transmit (Power by Notebook PC)		
Date of Test	2018/05/07	Test Site	SR10-H

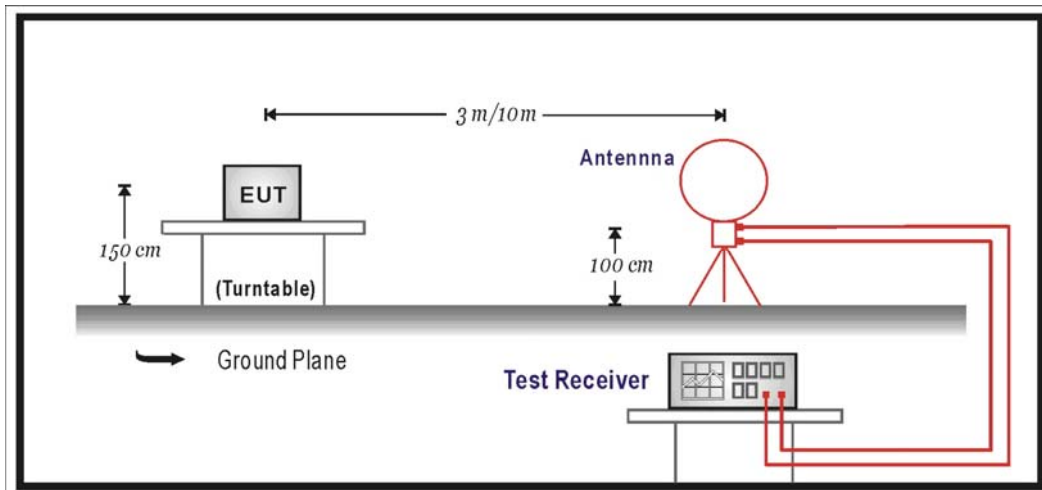
GFSK

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)
00	2402	-18.40	30
19	2440	-18.81	30
39	2480	-19.62	30

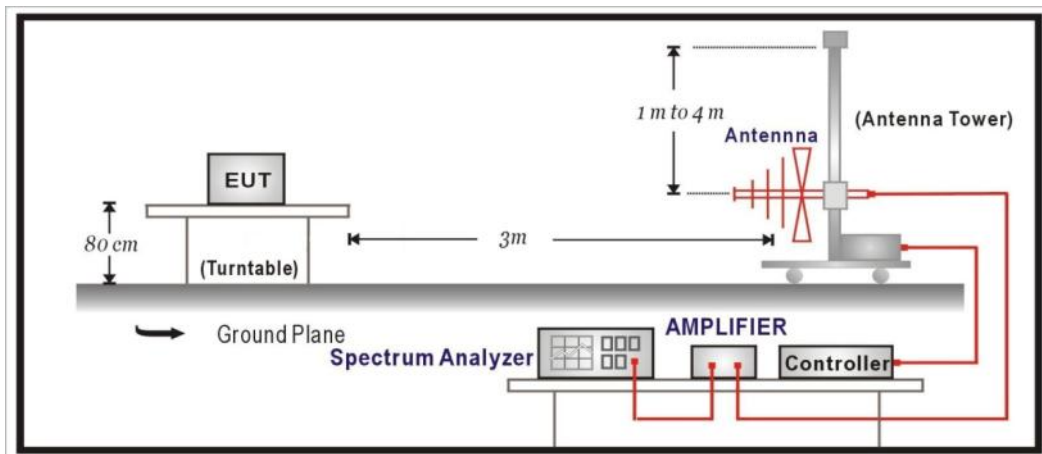
4. Radiated Emission

4.1. Test Setup

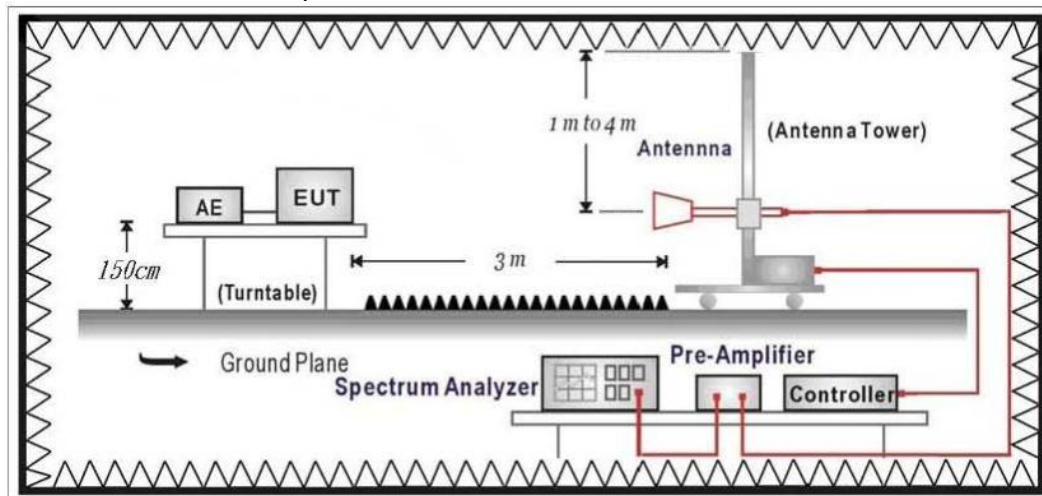
Under 30MHz Test Setup:



Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.2. Limits

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

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m	dBuV/m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remarks: 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)

2. In the Above Table, the tighter limit applies at the Radiated Emission Band Edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

4.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB558074 D01V04 for compliance to FCC 47CFR 15.247 requirements. The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

On any frequency or frequencies from 9KHz (include The the lowest oscillator frequency generated within the device up to the 10th harmonic) to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit. The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

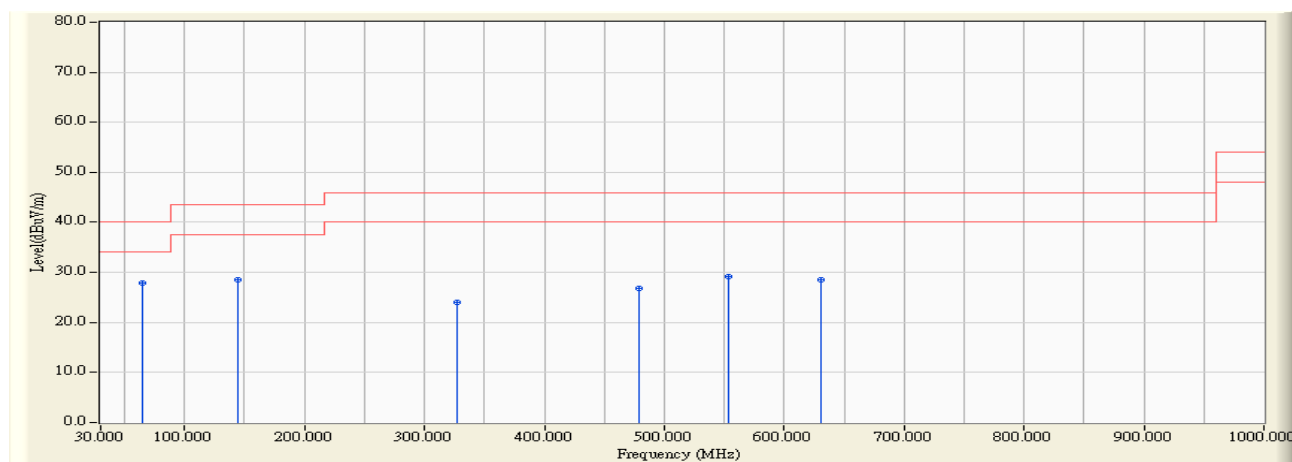
4.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247:2017

4.5. Test Result

30MHz-1GHz Spurious

Site : CB4-H	Time : 2018/03/21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2440MHz

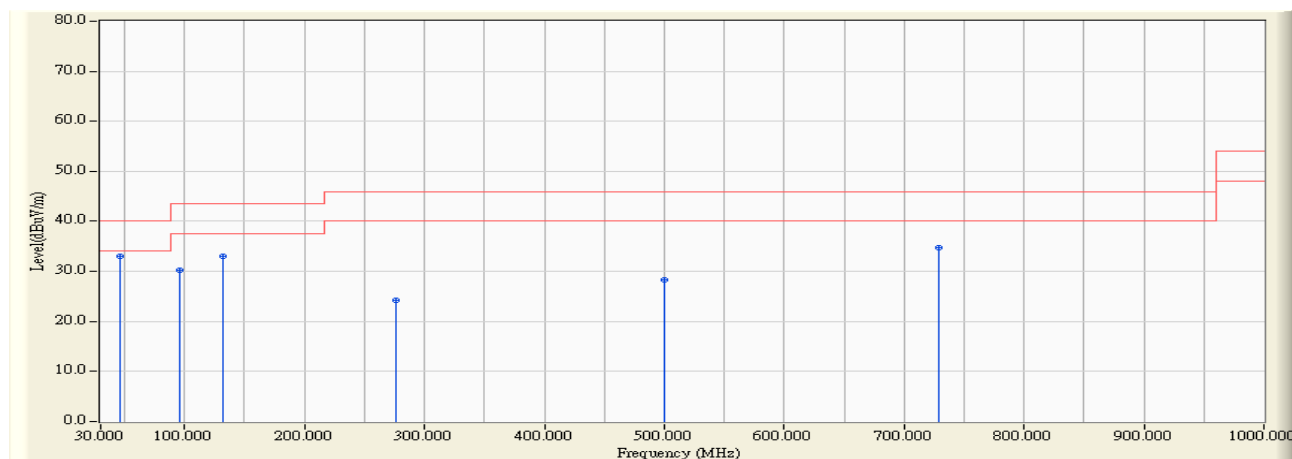


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	65.013	-27.971	55.760	27.789	-12.211	40.000	QUASIPeAK
2		144.255	-21.278	49.771	28.494	-15.006	43.500	QUASIPeAK
3		327.081	-17.766	41.775	24.009	-21.991	46.000	QUASIPeAK
4		478.483	-13.916	40.630	26.714	-19.286	46.000	QUASIPeAK
5		553.069	-12.510	41.653	29.143	-16.857	46.000	QUASIPeAK
6		630.564	-11.713	40.134	28.421	-17.579	46.000	QUASIPeAK

Note:

1. All Reading Levels is Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are lower than 20dB away from limit.

Site : CB4-H	Time : 2018/03/21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2440MHz

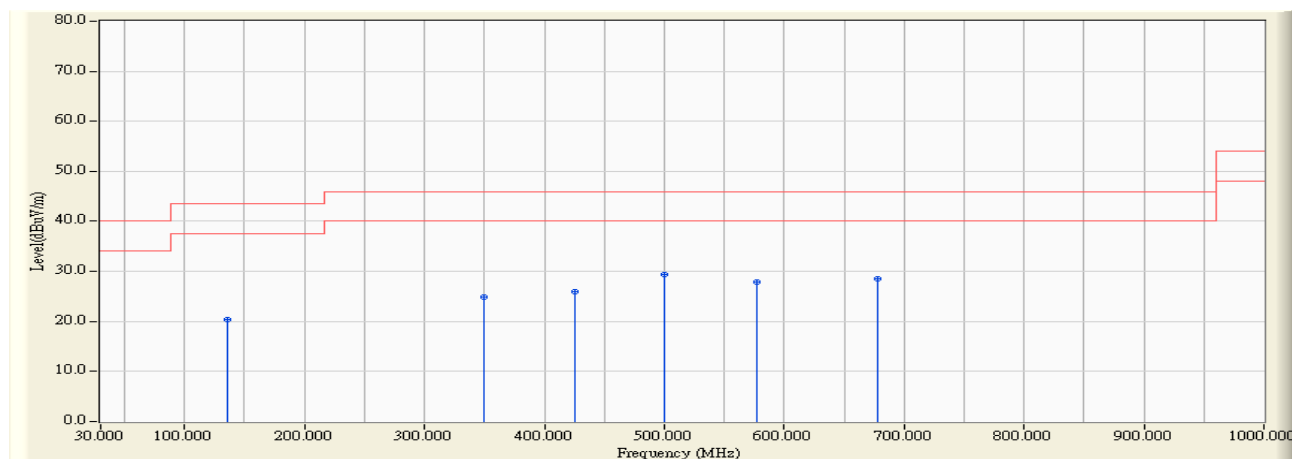


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	46.779	-23.167	56.224	33.056	-6.944	40.000	QUASIPeAK
2		95.856	-24.514	54.710	30.197	-13.303	43.500	QUASIPeAK
3		132.131	-21.340	54.293	32.953	-10.547	43.500	QUASIPeAK
4		276.064	-19.698	43.937	24.238	-21.762	46.000	QUASIPeAK
5		500.015	-14.075	42.405	28.329	-17.671	46.000	QUASIPeAK
6		729.397	-10.188	44.874	34.686	-11.314	46.000	QUASIPeAK

Note:

1. All Reading Levels is Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are lower than 20dB away from limit.

Site : CB4-H	Time : 2018/03/21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4 FCC EFS S2_30M-1GHz_1116 - HORIZONTAL	Power : DC 3.7V (Power by Battery)
EUT : OneStep+ i-Type camera	Note : Mode 2: Transmit (Power by Battery) 2440MHz

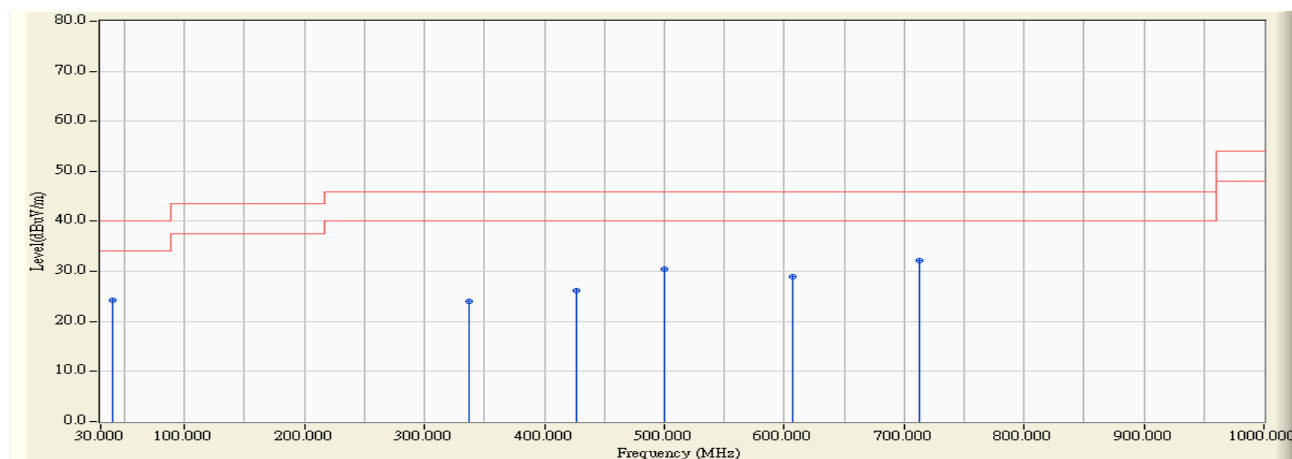


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		135.137	-20.631	40.908	20.277	-23.223	43.500	QUASIPeAK
2		350.165	-16.744	41.577	24.832	-21.168	46.000	QUASIPeAK
3		426.011	-15.273	41.263	25.990	-20.010	46.000	QUASIPeAK
4	*	499.918	-14.069	43.520	29.451	-16.549	46.000	QUASIPeAK
5		576.928	-12.563	40.484	27.922	-18.078	46.000	QUASIPeAK
6		677.507	-10.653	39.174	28.520	-17.480	46.000	QUASIPeAK

Note:

1. All Reading Levels is Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are lower than 20dB away from limit.

Site : CB4-H	Time : 2018/03/21
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4 FCC EFS S2_30M-1GHz_1116 - VERTICAL	Power : DC 3.7V (Power by Battery)
EUT : OneStep+ i-Type camera	Note : Mode 2: Transmit (Power by Battery)\
	2440MHz



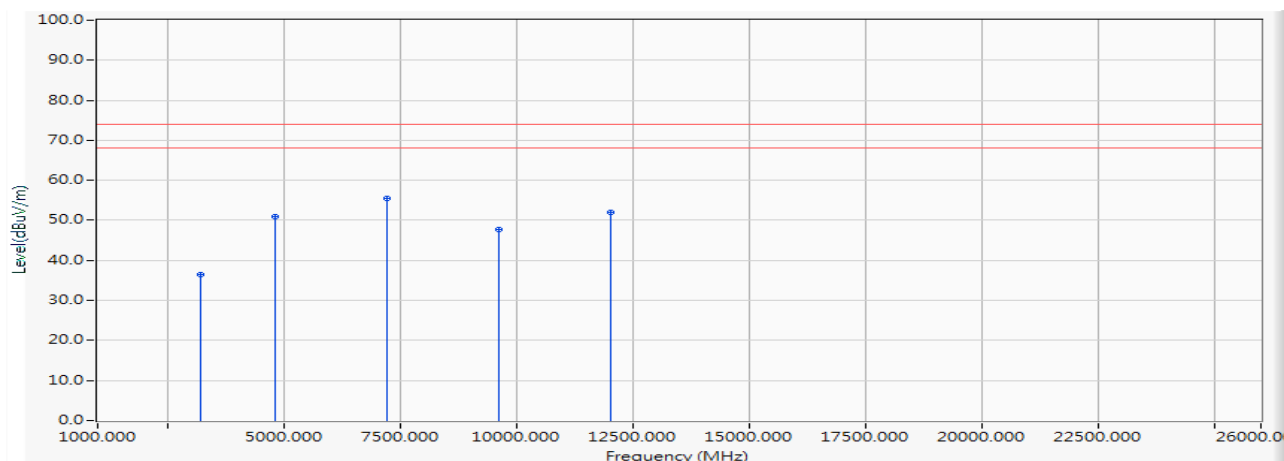
		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		39.990	-16.363	40.616	24.253	-15.747	40.000	QUASIPeAK
2		336.877	-17.529	41.631	24.102	-21.898	46.000	QUASIPeAK
3		426.108	-15.257	41.323	26.067	-19.933	46.000	QUASIPeAK
4		500.015	-14.075	44.458	30.382	-15.618	46.000	QUASIPeAK
5		607.480	-10.776	39.756	28.979	-17.021	46.000	QUASIPeAK
6	*	712.424	-12.026	44.287	32.261	-13.739	46.000	QUASIPeAK

Note:

1. All Reading Levels is Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The Emission under 30MHz were not included is because their levels are lower than 20dB away from limit.

Harmonic & Spurious:

Site : CB2-H	Time : 2018/05/07
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2402MHz

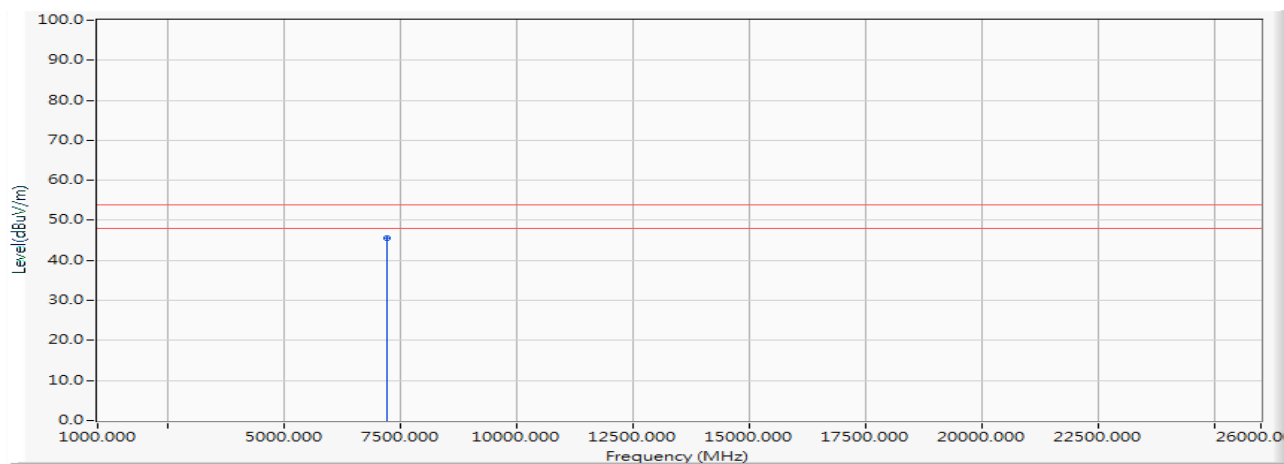


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3202.600	-6.794	43.360	36.566	-37.434	74.000	PEAK
2		4804.655	-0.207	51.250	51.043	-22.957	74.000	PEAK
3	*	7205.634	6.965	48.530	55.495	-18.505	74.000	PEAK
4		9607.981	12.540	35.290	47.831	-26.169	74.000	PEAK
5		12012.447	15.506	36.460	51.966	-22.034	74.000	PEAK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site : CB2-H	Time : 2018/05/07
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2402MHz

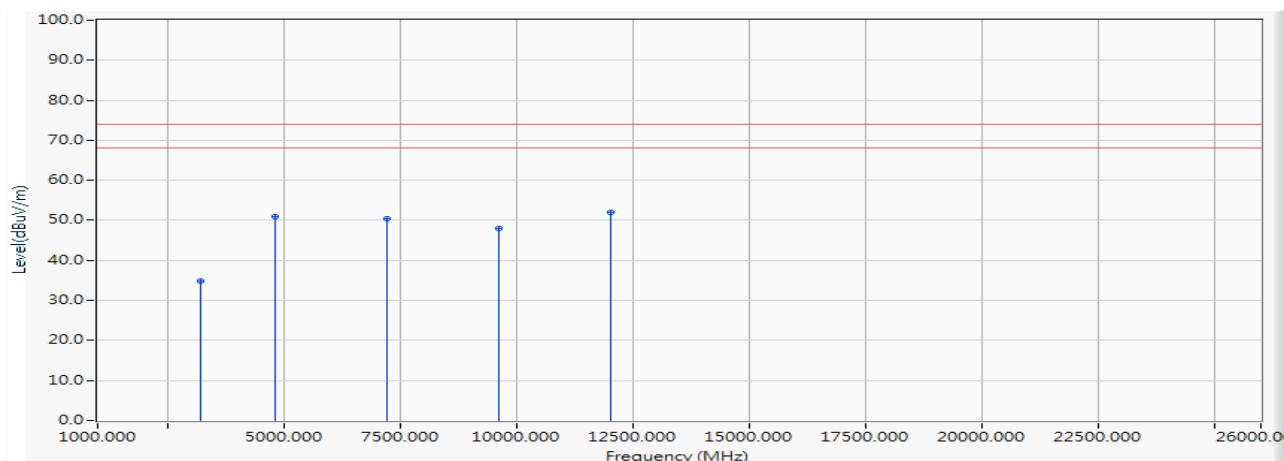


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7205.634	6.965	38.670	45.635	-8.365	54.000	AVERAGE

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site : CB2-H	Time : 2018/05/07
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2402MHz

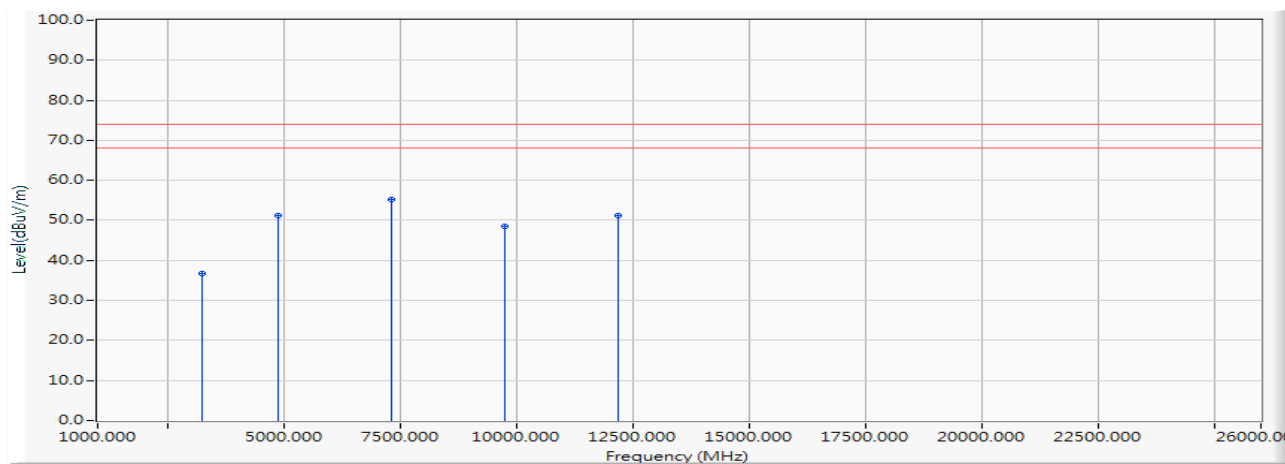


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3206.630	-6.787	41.640	34.853	-39.147	74.000	PEAK
2		4803.611	-0.209	51.180	50.971	-23.029	74.000	PEAK
3		7205.743	6.966	43.520	50.486	-23.514	74.000	PEAK
4		9607.250	12.539	35.540	48.079	-25.921	74.000	PEAK
5	*	12012.305	15.507	36.390	51.897	-22.103	74.000	PEAK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site : CB2-H	Time : 2018/05/07
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2440MHz

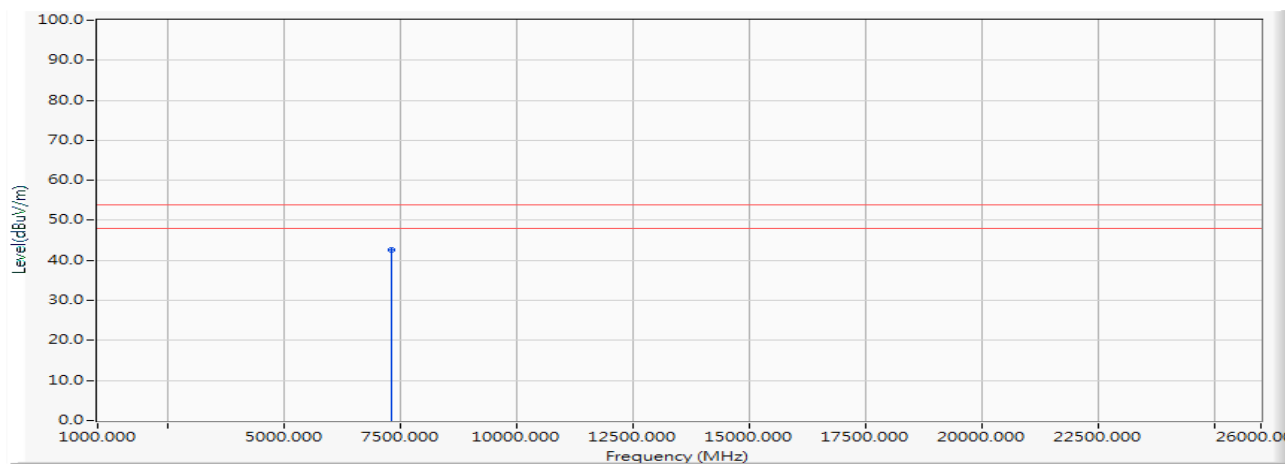


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3254.891	-6.705	43.390	36.685	-37.315	74.000	PEAK
2		4880.505	-0.125	51.260	51.135	-22.865	74.000	PEAK
3	*	7319.922	7.437	47.830	55.266	-18.734	74.000	PEAK
4		9759.861	12.866	35.720	48.585	-25.415	74.000	PEAK
5		12198.943	14.855	36.480	51.335	-22.665	74.000	PEAK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site : CB2-H	Time : 2018/05/07
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2440MHz

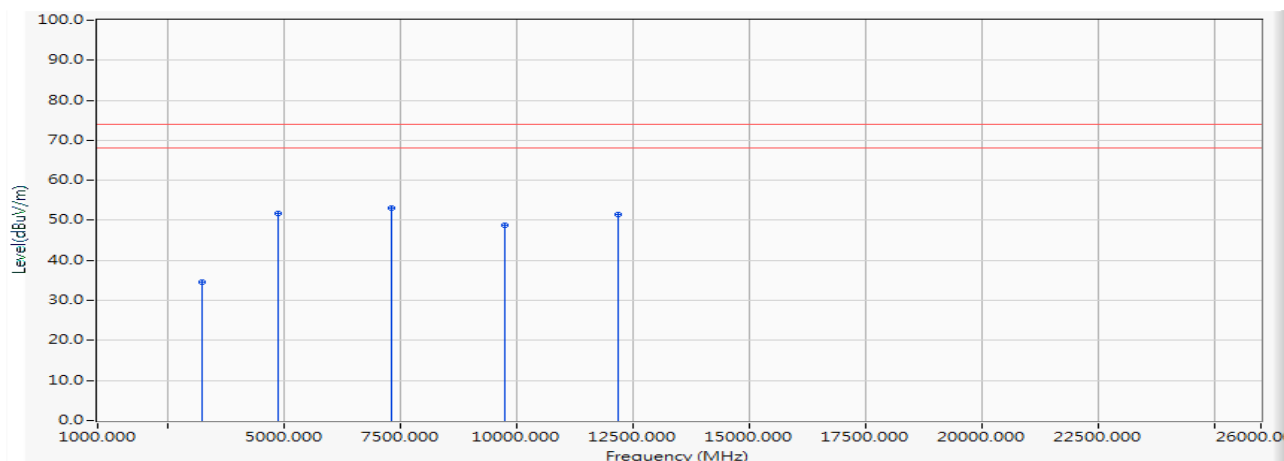


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7319.922	7.437	35.190	42.626	-11.374	54.000	AVERAGE

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site : CB2-H	Time : 2018/05/07
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2440MHz

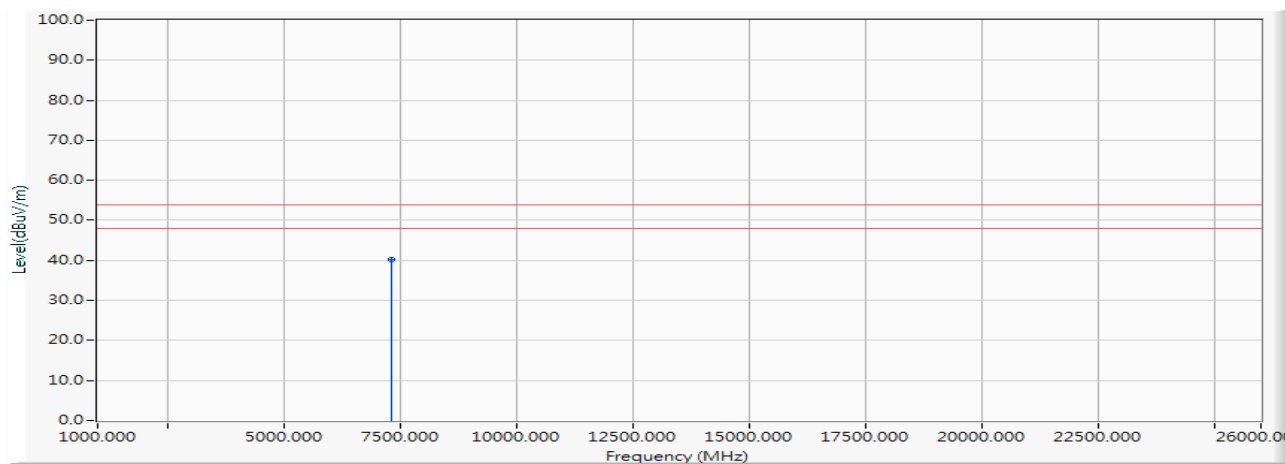


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	3252.025	-6.710	41.340	34.630	-39.370	74.000	PEAK
2	4880.382	-0.125	51.780	51.655	-22.345	74.000	PEAK
3	* 7319.729	7.435	45.590	53.026	-20.974	74.000	PEAK
4	9760.670	12.866	35.900	48.766	-25.234	74.000	PEAK
5	12200.945	14.849	36.550	51.398	-22.602	74.000	PEAK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site : CB2-H	Time : 2018/05/07
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2440MHz

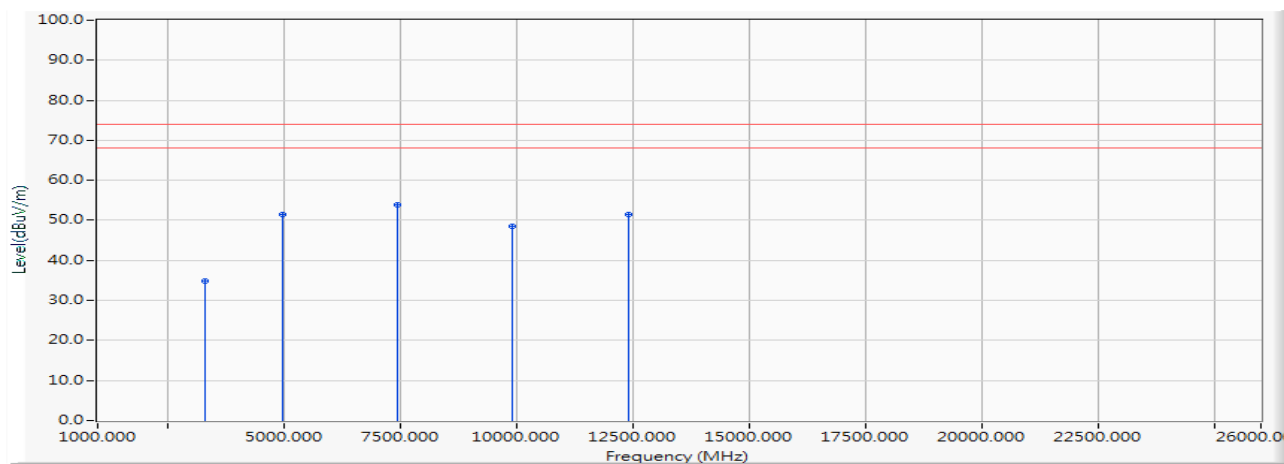


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7319.729	7.435	32.850	40.286	-13.714	54.000	AVERAGE

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site : CB2-H	Time : 2018/05/07
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2480MHz

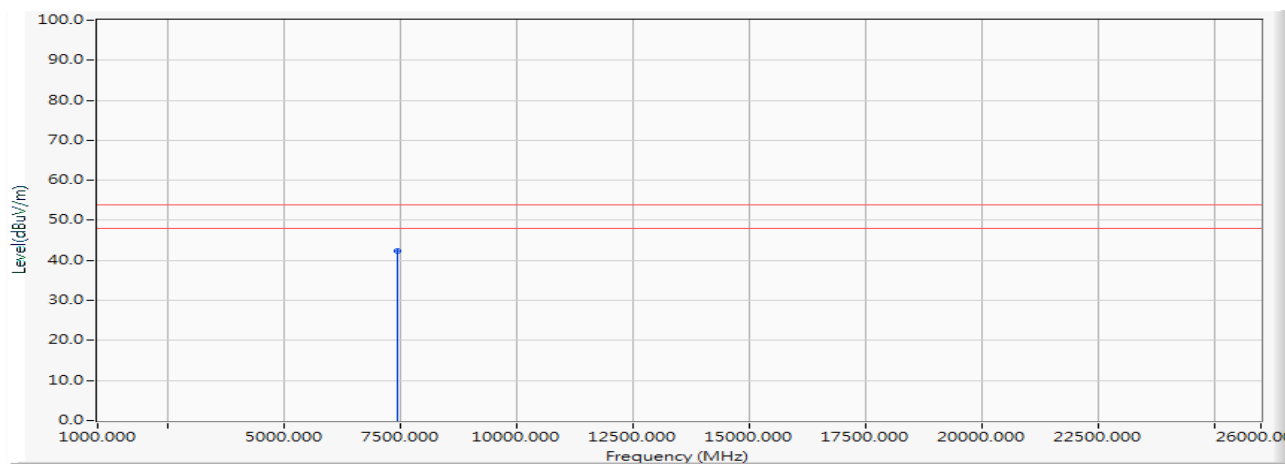


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		3307.305	-6.601	41.430	34.829	-39.171	74.000	PEAK
2		4959.662	-0.035	51.580	51.545	-22.455	74.000	PEAK
3	*	7439.986	7.868	45.900	53.768	-20.232	74.000	PEAK
4		9924.709	13.098	35.500	48.598	-25.402	74.000	PEAK
5		12402.908	15.754	35.590	51.344	-22.656	74.000	PEAK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site : CB2-H	Time : 2018/05/07
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2480MHz

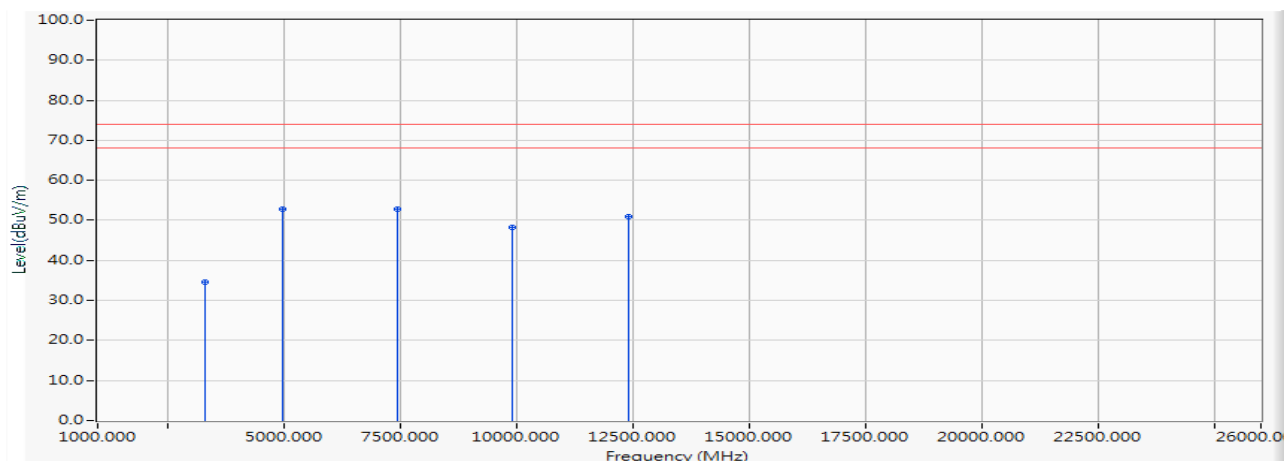


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	7439.986	7.868	34.430	42.298	-11.702	54.000	AVERAGE

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site : CB2-H	Time : 2018/05/07
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2480MHz

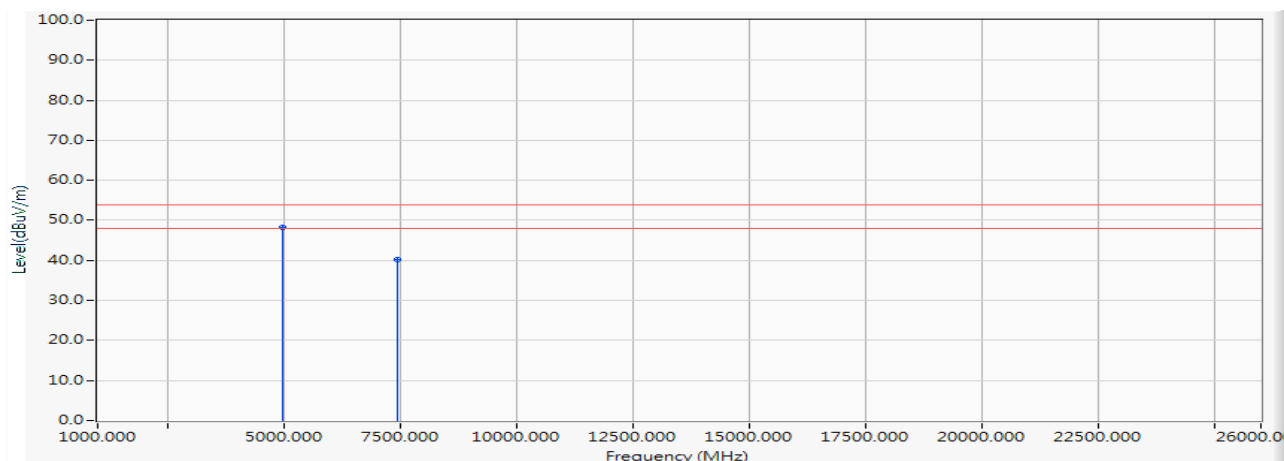


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	3305.963	-6.604	41.150	34.546	-39.454	74.000	PEAK
2	4959.717	-0.035	52.800	52.765	-21.235	74.000	PEAK
3	* 7440.021	7.868	45.000	52.868	-21.132	74.000	PEAK
4	9919.465	13.091	35.160	48.250	-25.750	74.000	PEAK
5	12398.228	15.721	35.230	50.951	-23.049	74.000	PEAK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

Site : CB2-H	Time : 2018/05/07
Limit : FCC_SpartC_15.209_03M_AV	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2480MHz



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	4959.717	-0.035	48.190	48.155	-5.845	54.000	AVERAGE
2		7440.021	7.868	32.280	40.148	-13.852	54.000	AVERAGE

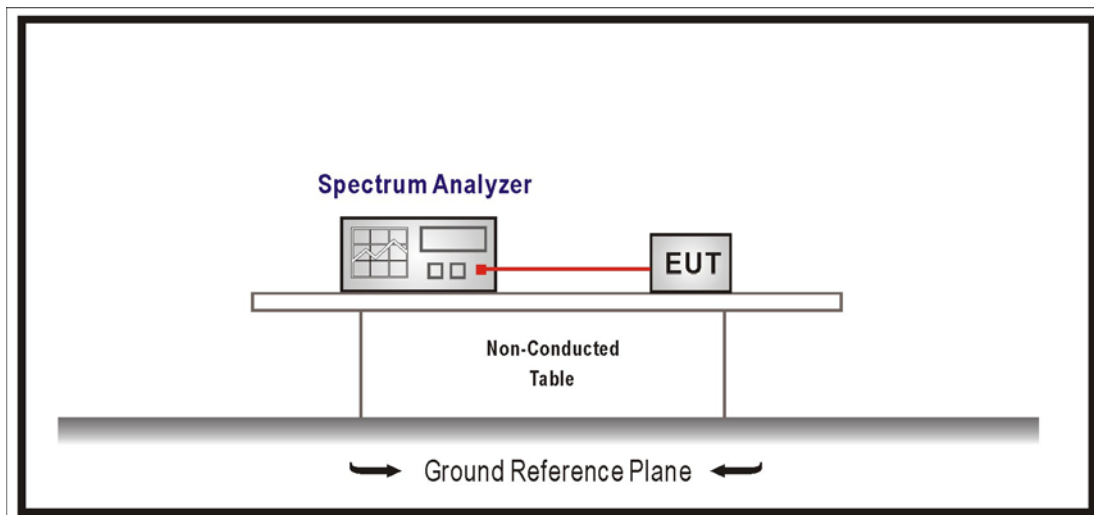
Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection.
5. The Emission above 13GHz were not included is because their levels are lower than 20dB away from limit.

5. RF antenna conducted test

5.1. Test Setup

RF Conducted Measurement:



5.2. Limits

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

5.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB558074 D01V04 for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

5.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2017

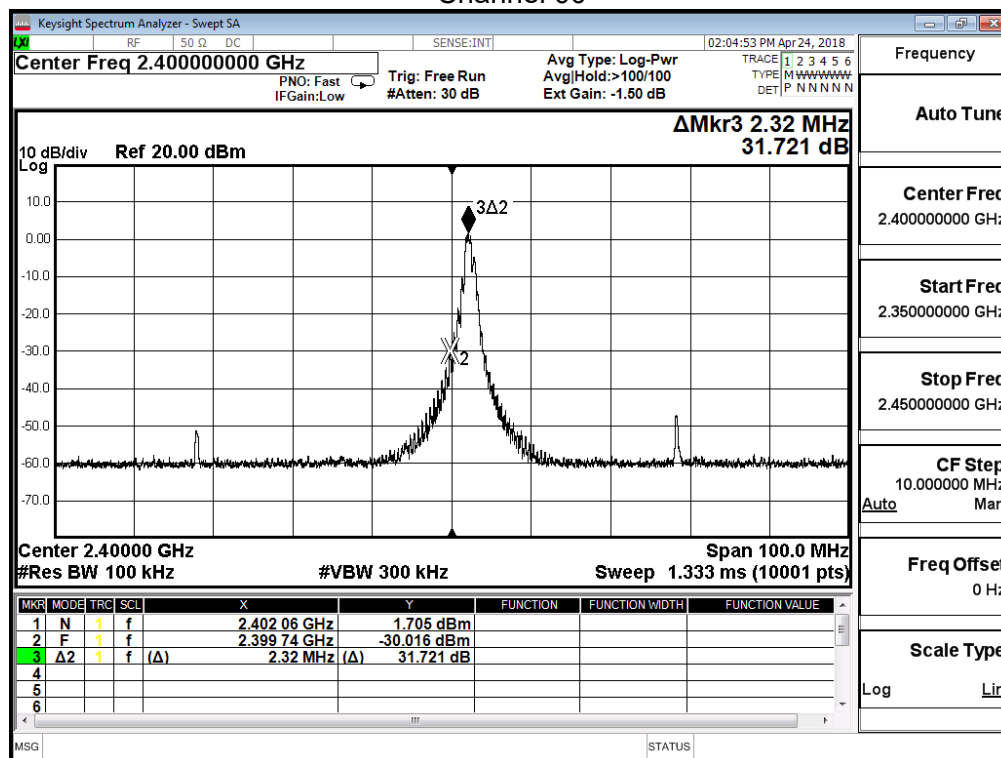
5.5. Test Result

Product	OneStep+ i-Type camera		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Power by Notebook PC)		
Date of Test	2018/04/24	Test Site	SR10-H

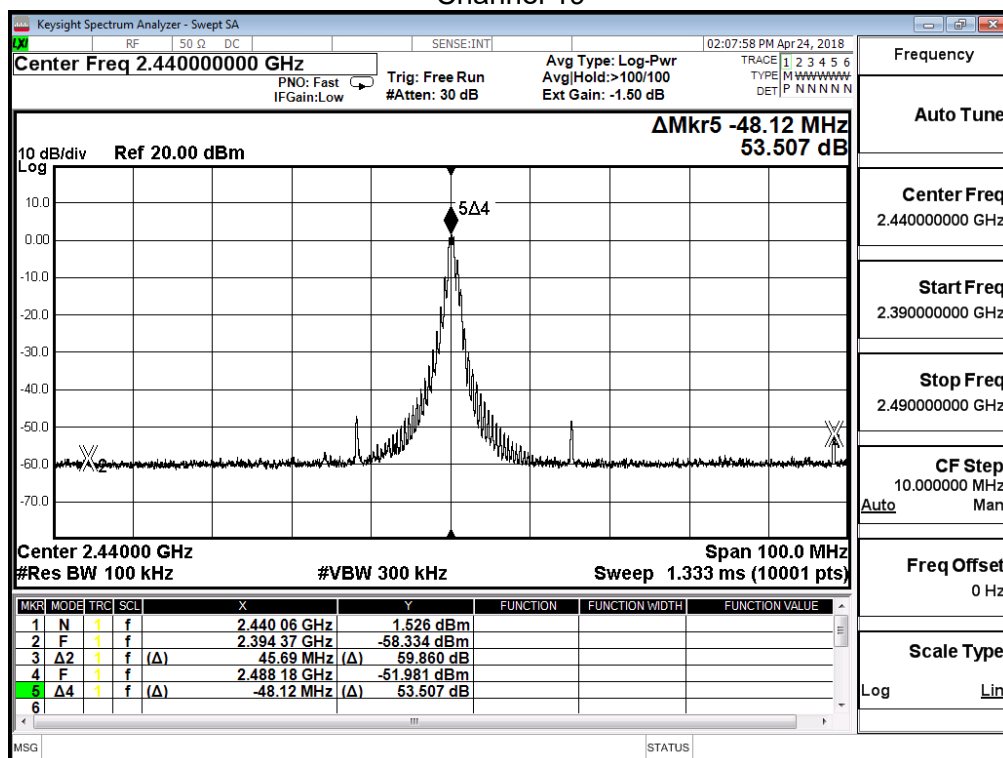
GFSK

Channel	Frequency (MHz)	Measure Level (dBc)	Limit (dBc)
00	2402	31.721	≥ 20
19	2440	53.507	≥ 20
39	2480	44.676	≥ 20

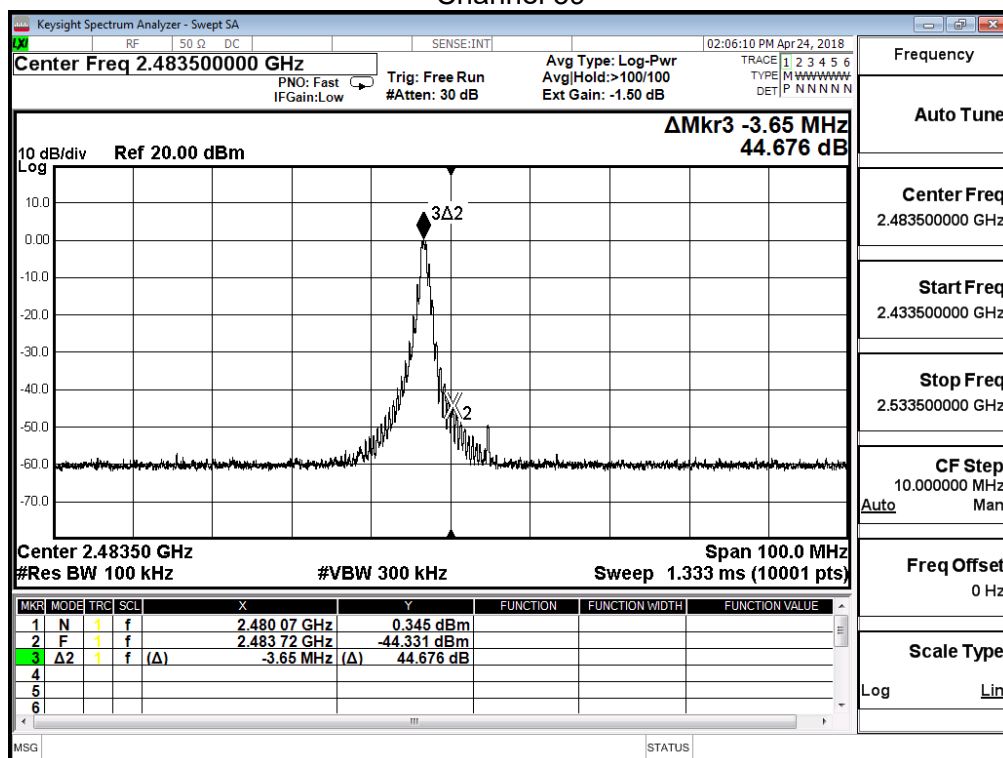
Channel 00



Channel 19

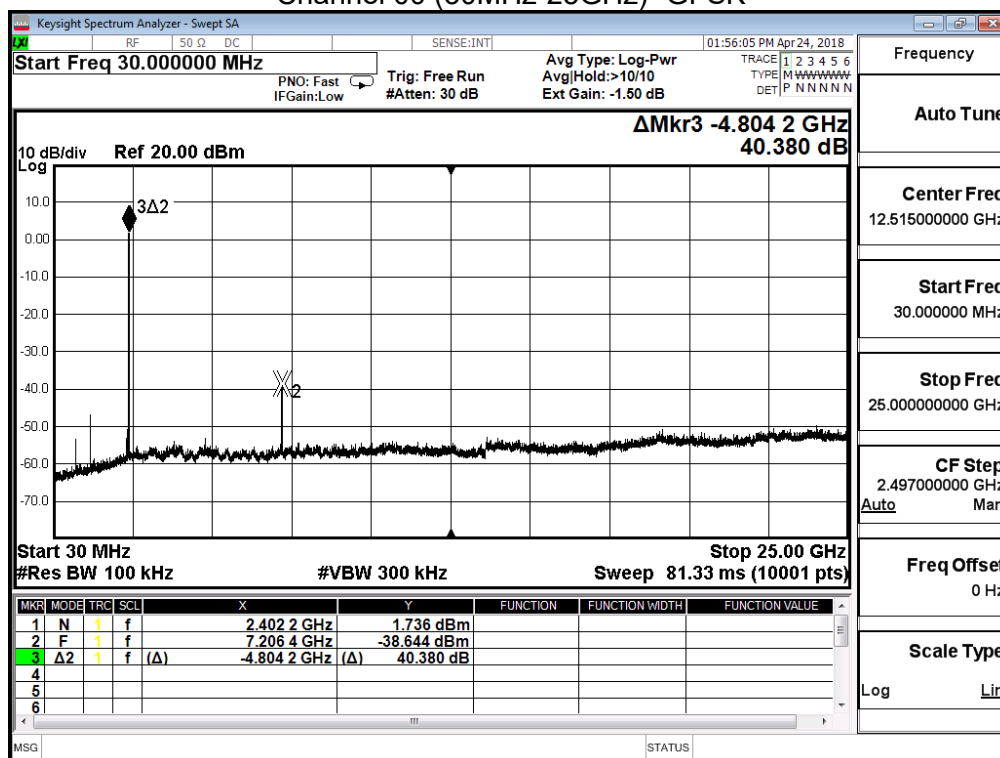


Channel 39

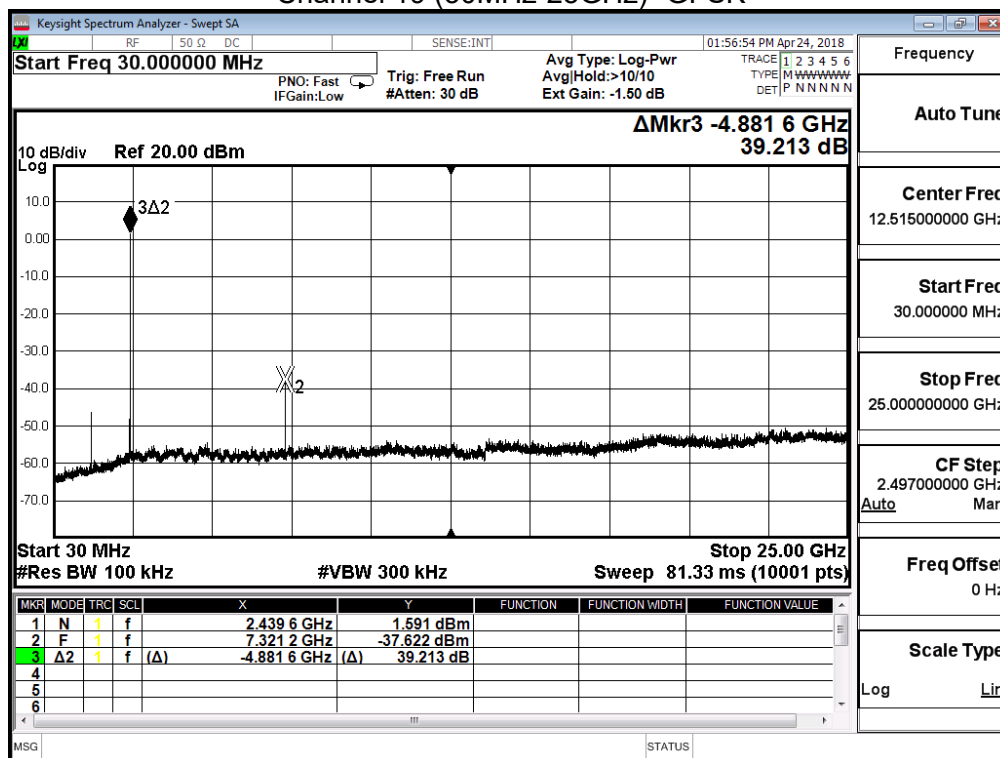


Product	OneStep+ i-Type camera		
Test Item	RF antenna conducted test		
Test Mode	Mode 1: Transmit (Power by Notebook PC)		
Date of Test	2018/04/24	Test Site	SR10-H

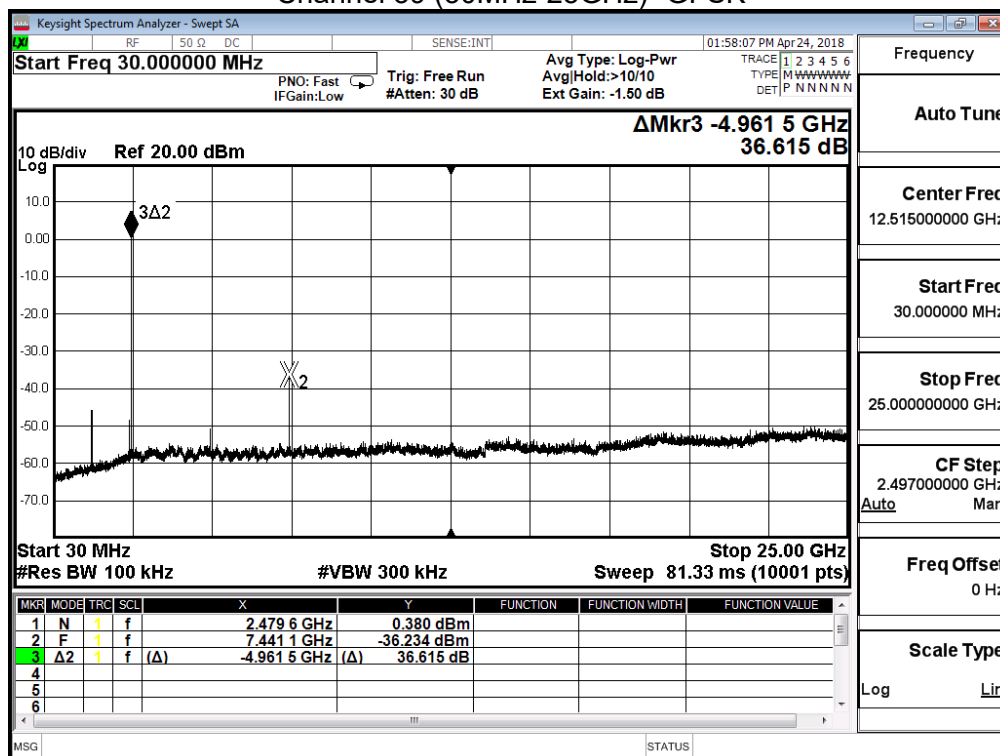
Channel 00 (30MHz-25GHz)- GFSK



Channel 19 (30MHz-25GHz)- GFSK



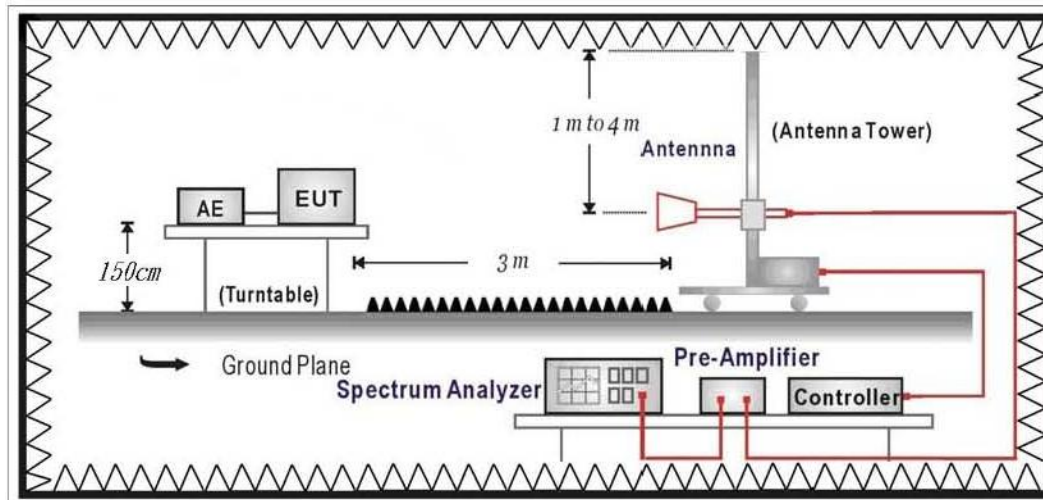
Channel 39 (30MHz-25GHz)- GFSK



6. Radiated Emission Band Edge

6.1. Test Setup

RF Radiated Measurement:



6.2. Limits

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

6.3. Test Procedure

The EUT was setup according to ANSI C63.10: 2013 and tested according to DTS test procedure of KDB558074 D01V04 for compliance to FCC 47CFR 15.247 requirements. The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

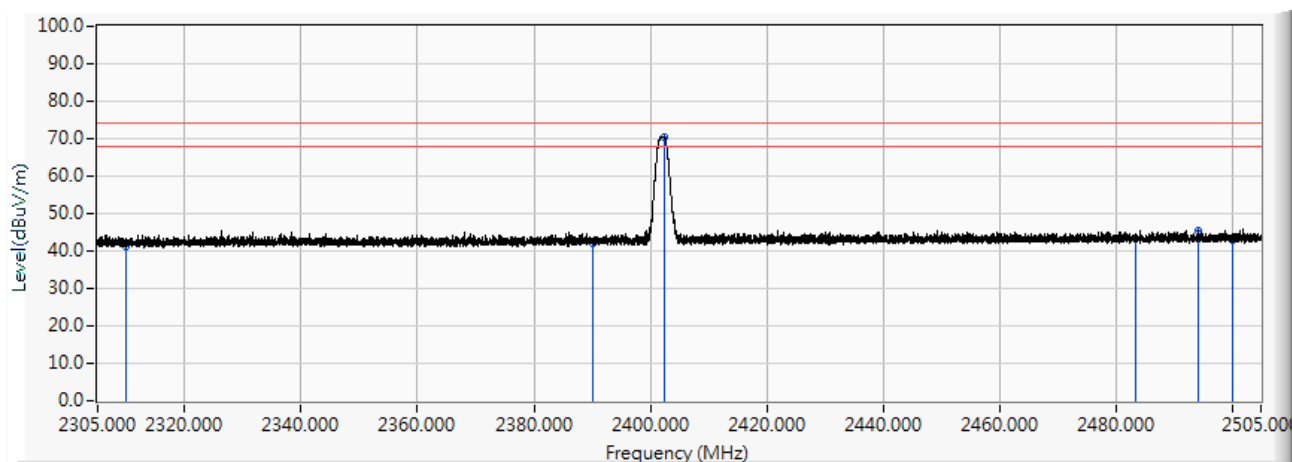
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

6.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247:2017

6.5. Test Result

Site : CB2-H	Time : 2018/05/07
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2402MHz

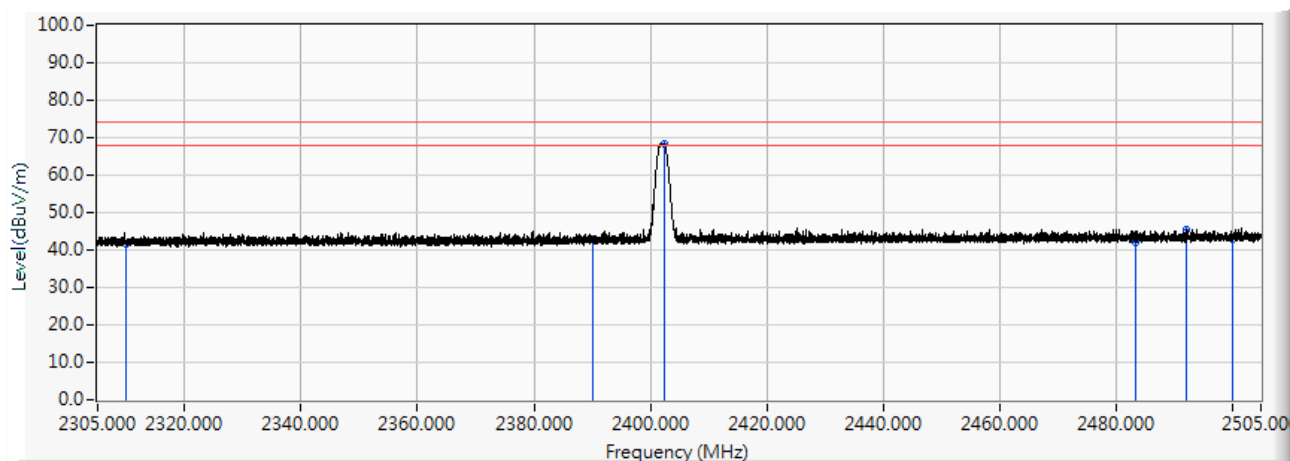


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.384	28.991	41.375	-32.625	74.000	PEAK
2		2390.000	12.911	29.368	42.279	-31.721	74.000	PEAK
3	*	2402.360	12.992	57.582	70.575	-3.425	74.000	PEAK
4		2483.500	13.527	29.827	43.354	-30.646	74.000	PEAK
5		2494.180	13.598	31.665	45.263	-28.737	74.000	PEAK
6		2500.000	13.629	29.140	42.769	-31.231	74.000	PEAK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
5. The fundamental for reference only, it's not restricted by unwanted emission limit.

Site : CB2-H	Time : 2018/05/07
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2402MHz

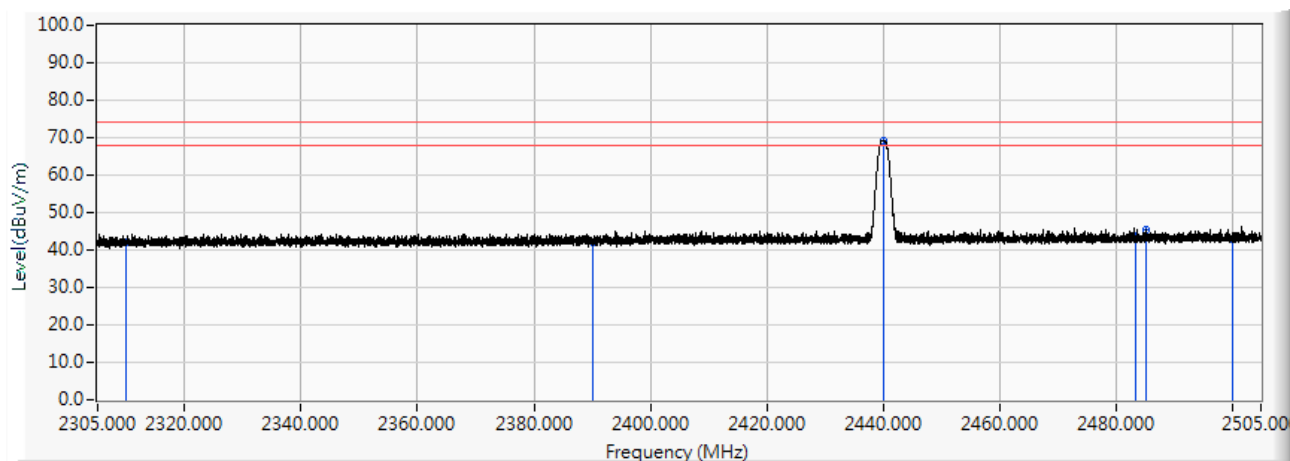


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	12.384	29.119	41.503	-32.497	74.000	PEAK
2	2390.000	12.911	30.007	42.918	-31.082	74.000	PEAK
3	* 2402.340	12.992	55.413	68.406	-5.594	74.000	PEAK
4	2483.500	13.527	28.617	42.144	-31.856	74.000	PEAK
5	2492.280	13.585	31.788	45.373	-28.627	74.000	PEAK
6	2500.000	13.629	29.132	42.761	-31.239	74.000	PEAK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
5. The fundamental for reference only, it's not restricted by unwanted emission limit.

Site : CB2-H	Time : 2018/05/07
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2440MHz

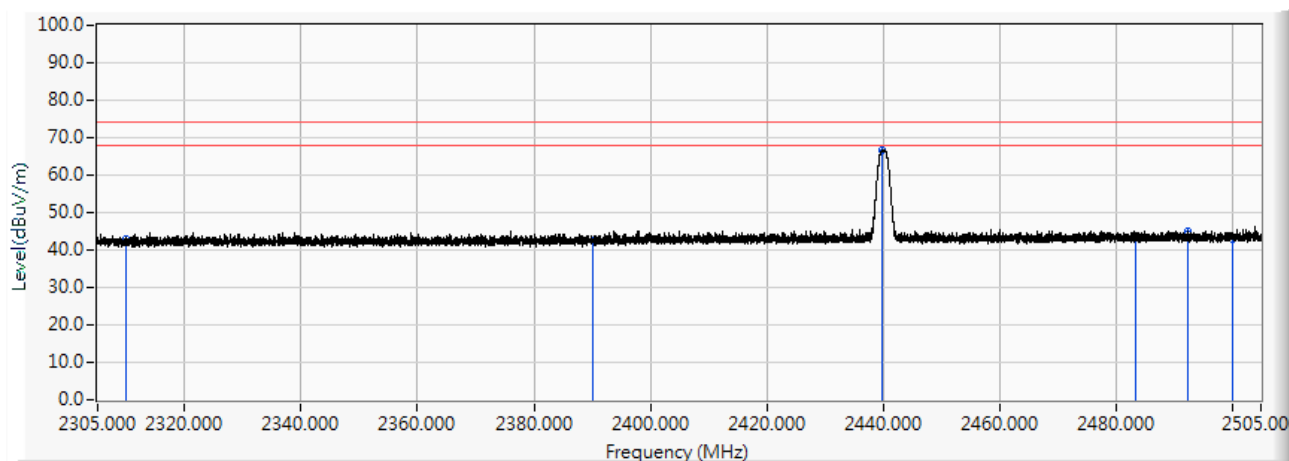


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.384	29.793	42.177	-31.823	74.000	PEAK
2		2390.000	12.911	29.206	42.117	-31.883	74.000	PEAK
3	*	2440.100	13.241	56.068	69.309	-4.691	74.000	PEAK
4		2483.500	13.527	30.049	43.576	-30.424	74.000	PEAK
5		2485.260	13.538	31.894	45.433	-28.567	74.000	PEAK
6		2500.000	13.629	29.359	42.988	-31.012	74.000	PEAK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
5. The fundamental for reference only, it's not restricted by unwanted emission limit.

Site : CB2-H	Time : 2018/05/07
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2440MHz

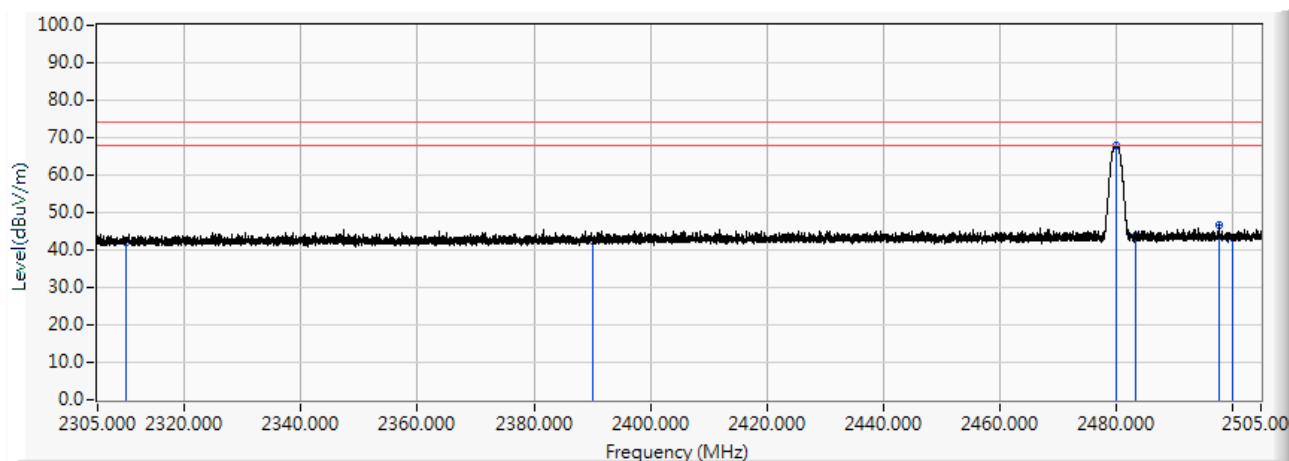


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		2310.000	12.384	30.550	42.934	-31.066	74.000	PEAK
2		2390.000	12.911	29.610	42.521	-31.479	74.000	PEAK
3	*	2439.860	13.239	53.402	66.642	-7.358	74.000	PEAK
4		2483.500	13.527	30.263	43.790	-30.210	74.000	PEAK
5		2492.480	13.586	31.387	44.973	-29.027	74.000	PEAK
6		2500.000	13.629	29.343	42.972	-31.028	74.000	PEAK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
5. The fundamental for reference only, it's not restricted by unwanted emission limit.

Site : CB2-H	Time : 2018/05/07
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - HORIZONTAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2480MHz

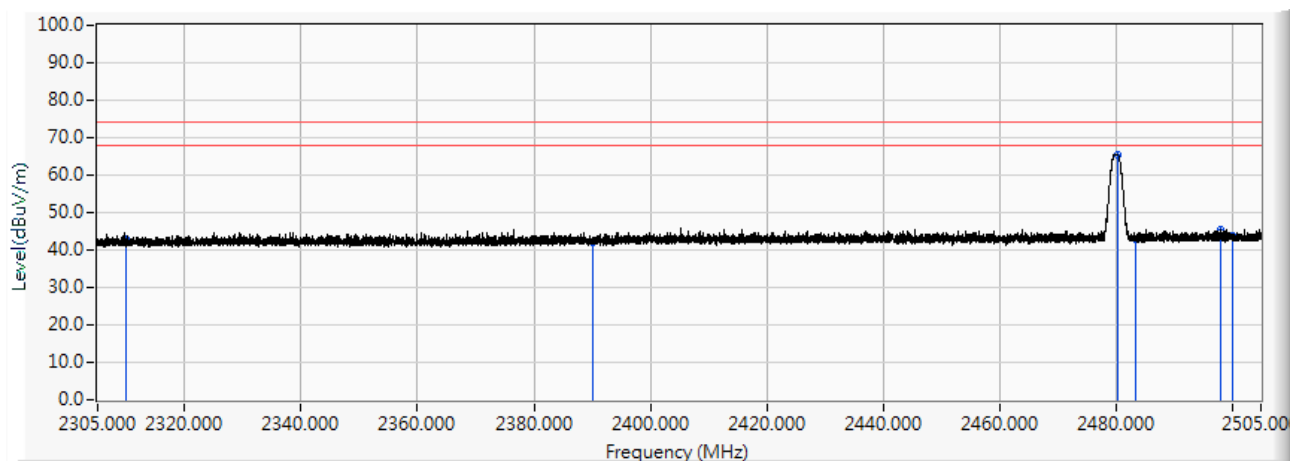


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	12.384	29.819	42.203	-31.797	74.000	PEAK
2	2390.000	12.911	29.629	42.540	-31.460	74.000	PEAK
3	* 2480.240	13.505	54.258	67.764	-6.236	74.000	PEAK
4	2483.500	13.527	30.084	43.611	-30.389	74.000	PEAK
5	2497.800	13.619	32.865	46.483	-27.517	74.000	PEAK
6	2500.000	13.629	29.824	43.453	-30.547	74.000	PEAK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
5. The fundamental for reference only, it's not restricted by unwanted emission limit.

Site : CB2-H	Time : 2018/05/07
Limit : FCC_SpartC_15.209_03M_PK	Margin : 6
Probe : CB2_FCC_EFS_B091_1-18GHz_3M_0117 - VERTICAL	Power : AC 120V/60Hz (Power by Notebook PC)
EUT : OneStep+ i-Type camera	Note : Mode 1: Transmit (Power by Notebook PC) 2480MHz



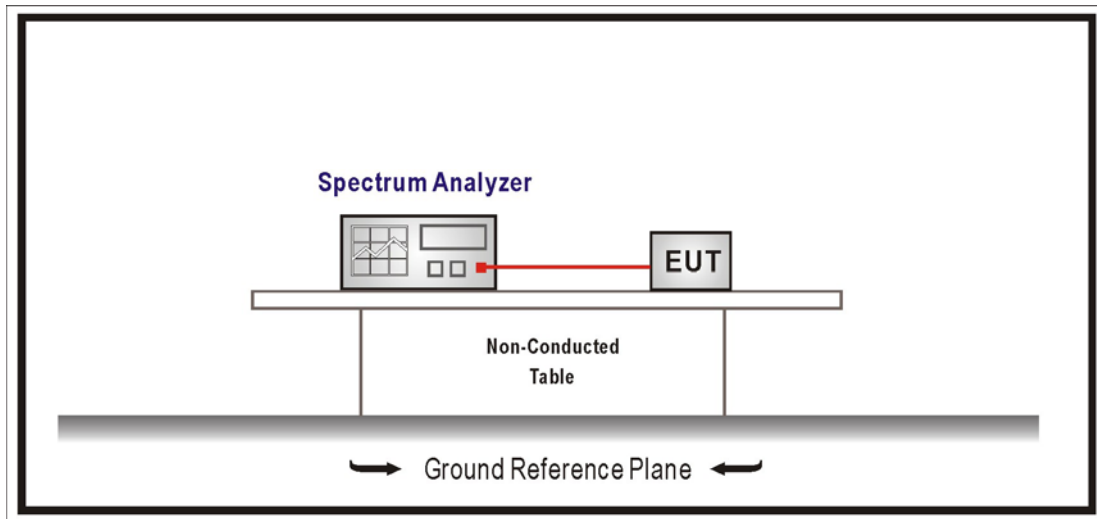
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	2310.000	12.384	30.522	42.906	-31.094	74.000	PEAK
2	2390.000	12.911	29.071	41.982	-32.018	74.000	PEAK
3	* 2480.280	13.506	52.068	65.574	-8.426	74.000	PEAK
4	2483.500	13.527	29.316	42.843	-31.157	74.000	PEAK
5	2498.080	13.620	31.884	45.504	-28.496	74.000	PEAK
6	2500.000	13.629	30.117	43.746	-30.254	74.000	PEAK

Note:

1. All reading above 1GHz is performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.
4. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.
5. The fundamental for reference only, it's not restricted by unwanted emission limit.

7. Occupied Bandwidth & DTS Bandwidth

7.1. Test Setup



7.2. Limits

The 6 dB bandwidth: ≥ 500 kHz.

Occupied Bandwidth: NA

7.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB558074 D01V04 for compliance to FCC 47CFR 15.247 requirements.

7.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247:2017

7.5. Test Result

Product	OneStep+ i-Type camera		
Test Item	Occupied Bandwidth & DTS Bandwidth		
Test Mode	Mode 1: Transmit (Power by Notebook PC)		
Date of Test	2018/04/24	Test Site	SR10-H

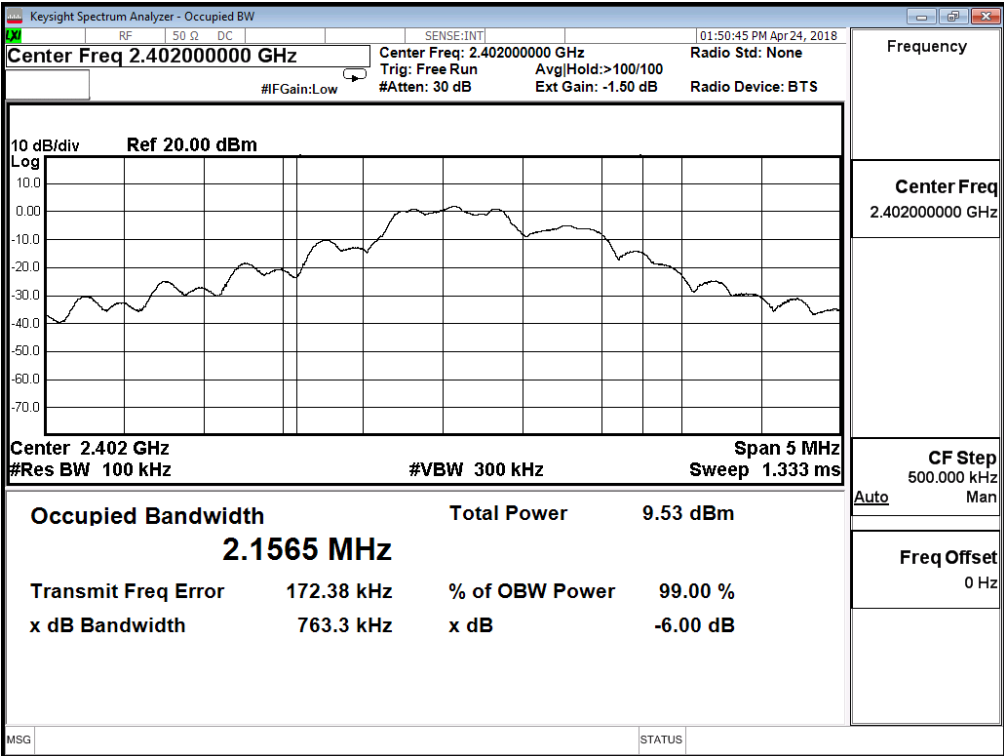
Occupied Bandwidth:

Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)
00	2402	2.157	--
19	2440	2.238	--
39	2480	1.993	--

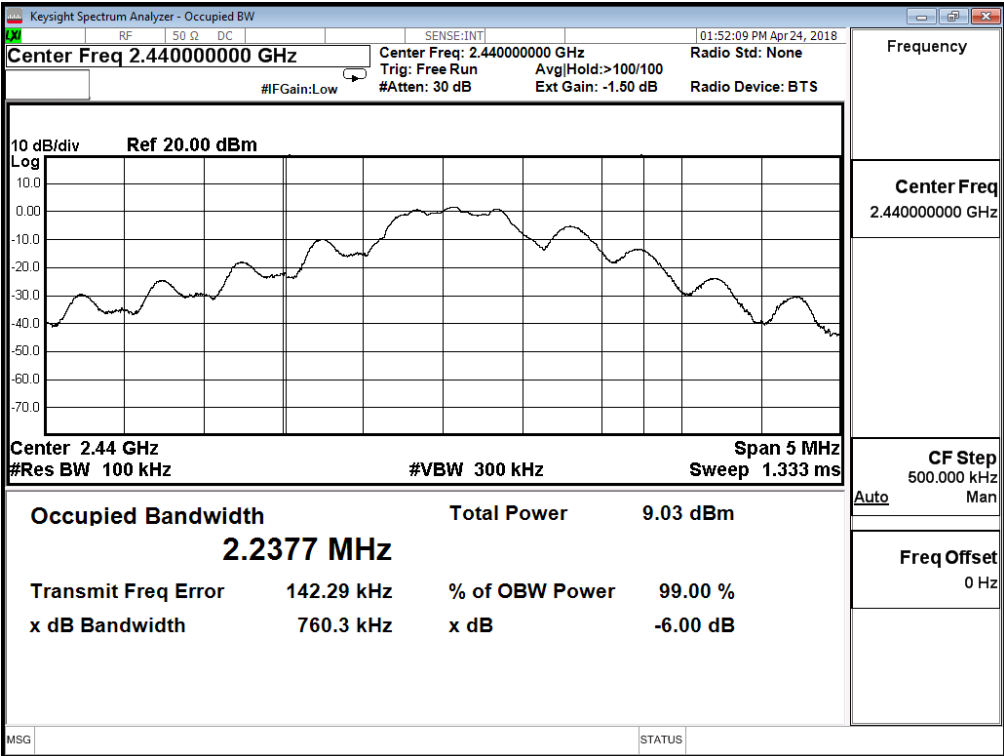
DTS Bandwidth:

Channel No.	Frequency (MHz)	Measure Level (KHz)	Limit (KHz)
00	2402	763.3	≥ 500
19	2440	760.3	≥ 500
39	2480	727.9	≥ 500

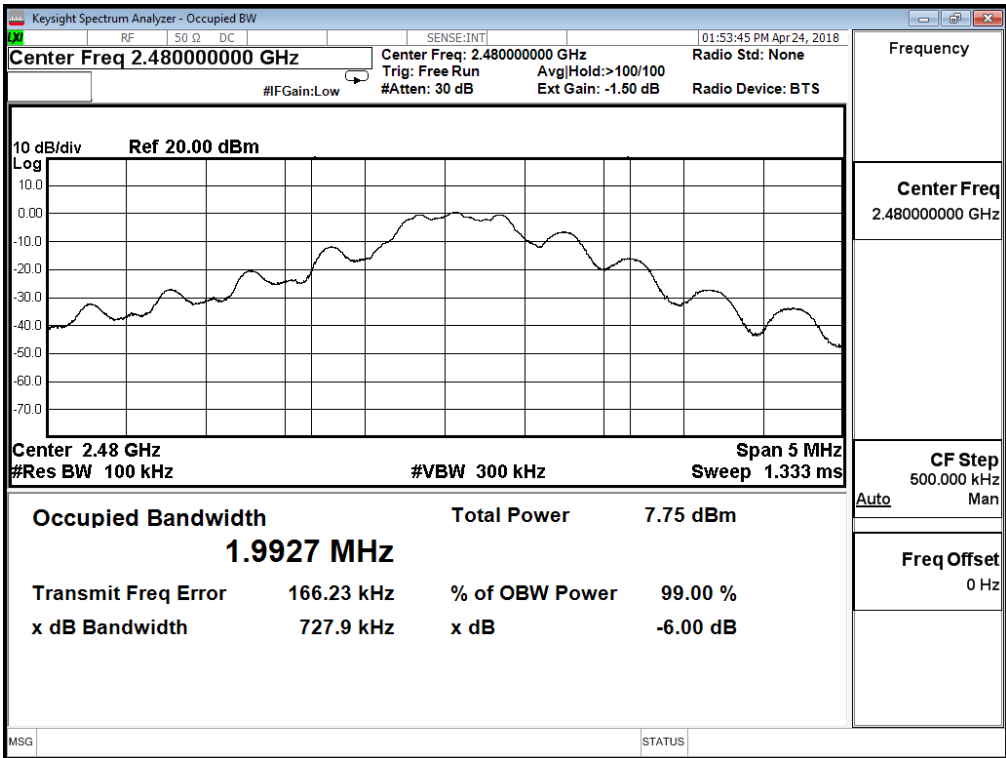
Channel 00



Channel 19

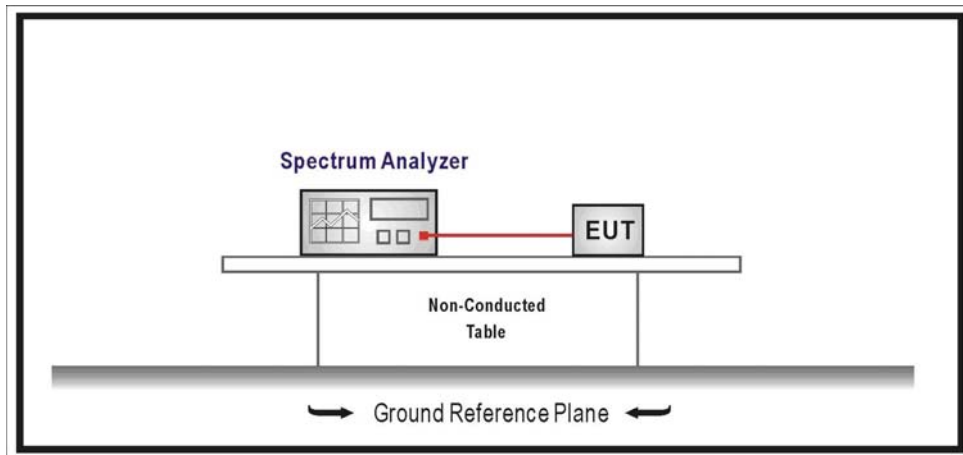


Channel 39



8. Power Density

8.1. Test Setup



8.2. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

8.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB558074 D01V04 for compliance to FCC 47CFR 15.247 requirements.

8.4. Test Specification

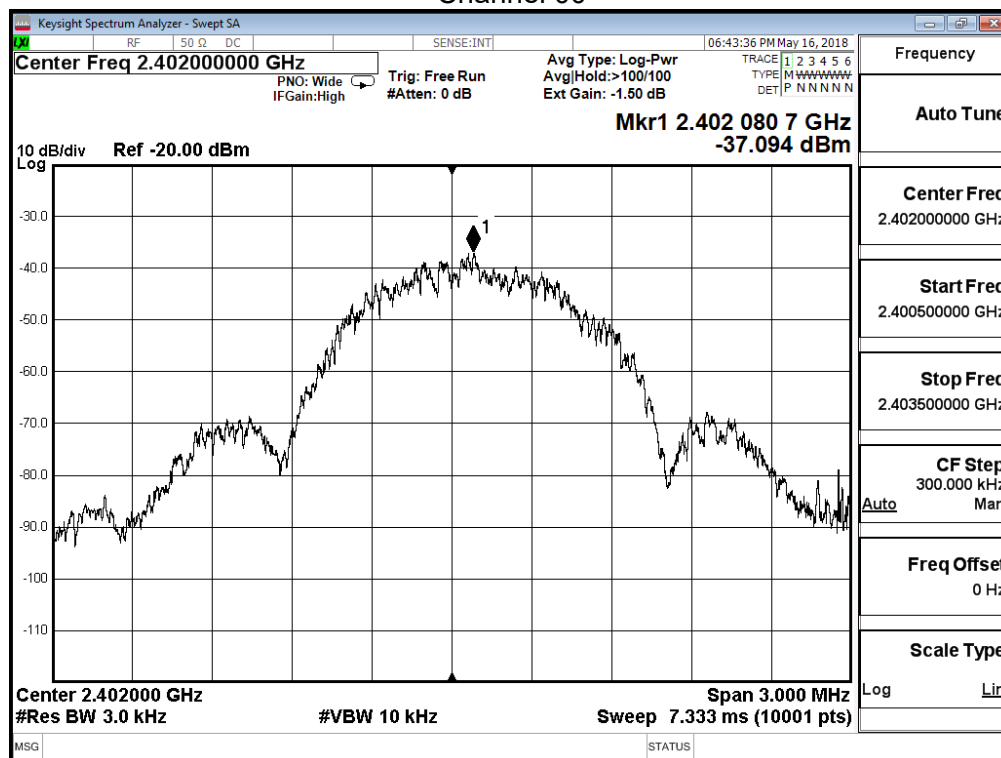
According to FCC Part 15 Subpart C Paragraph 15.247

8.5. Test Result

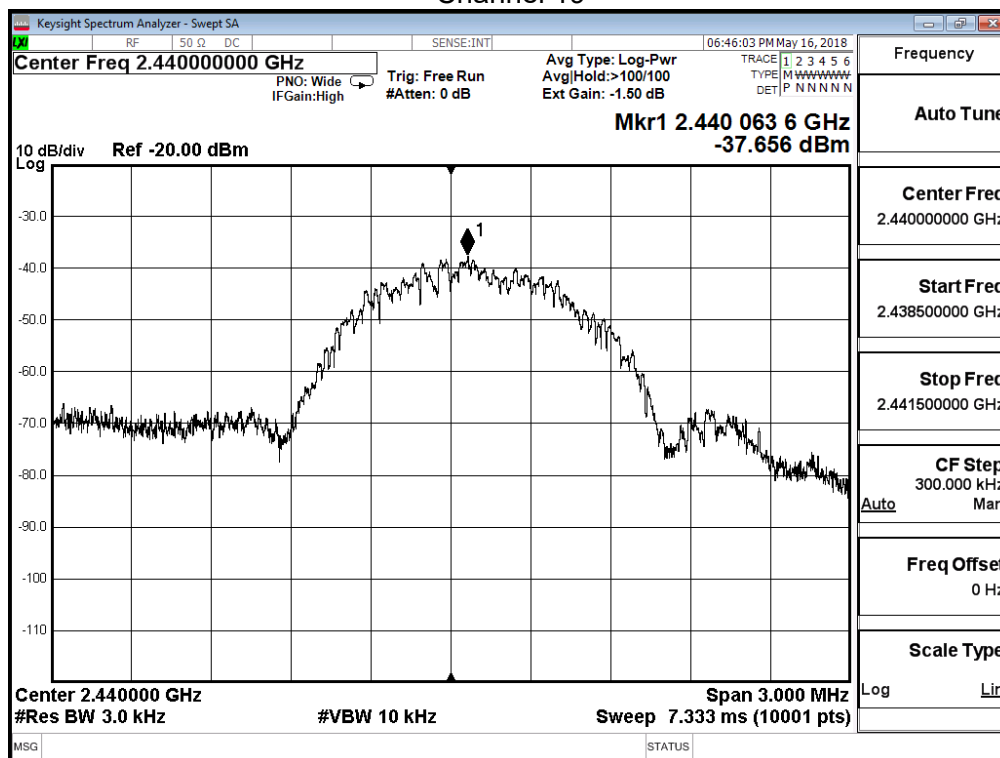
Product	OneStep+ i-Type camera		
Test Item	Power Density		
Test Mode	Mode 1: Transmit (Power by Notebook PC)		
Date of Test	2018/05/16	Test Site	SR10-H

Channel No.	Frequency (MHz)	Measure Vaule (dBm/3KHz)	Limit (dBm/3KHz)
00	2402	-37.094	≤ 8
19	2440	-37.656	≤ 8
39	2480	-37.806	≤ 8

Channel 00



Channel 19



Channel 39

