

## TEST REPORT

**Product** : Baby Monitor  
**Trade mark** : VAVA / Miroir/FAKEME/Amyneo/Teble  
**Model/Type reference** : VA-IH006, VA-IH009, TB-IH002, TB-IH003,  
MR-IH001, MR-IH002  
**Serial Number** : N/A  
**Report Number** : EED32N80972801  
**FCC ID** : 2AFDGVA-IH006V1  
**Date of Issue** : Nov. 22, 2021  
**Test Standards** : 47 CFR Part 15 Subpart C  
**Test result** : PASS

Prepared for:

**SUNVALLEYTEK INTERNATIONAL. INC**  
**46724 Lakeview Blvd, Fremont, CA 94538**

Prepared by:

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Nov. 22, 2021

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Check No.:6716300921



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## 2 Version

Version No.	Date	Description
00	Nov. 16, 2021	Original

### 3 Test Summary

Test Item	Test Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart C Section 15.203/15.247 (c)	PASS
AC Power Line Conducted Emission	47 CFR Part 15, Subpart C Section 15.207	PASS
Maximum Conducted Output Power	47 CFR Part 15, Subpart C Section 15.247 (b)(1)	PASS
20dB Emission Bandwidth	47 CFR Part 15, Subpart C Section 15.247 (a)(1)	PASS
Carrier Frequency Separation	47 CFR Part 15, Subpart C Section 15.247 (a)(1)	PASS
Number of Hopping Channels	47 CFR Part 15, Subpart C Section 15.247 (a)(1)	PASS
Time of Occupancy	47 CFR Part 15, Subpart C Section 15.247 (a)(1)	PASS
Pseudorandom Frequency Hopping Sequence	47 CFR Part 15, Subpart C Section 15.247(b)(4)	PASS
Band Edge Measurements	47 CFR Part 15, Subpart C Section 15.247(d)	PASS
Conducted Spurious Emissions	47 CFR Part 15, Subpart C Section 15.247(d)	PASS
Radiated Spurious emissions	47 CFR Part 15, Subpart C Section 15.205/15.209	PASS
Restricted bands around fundamental frequency	47 CFR Part 15, Subpart C Section 15.205/15.209	PASS

**Remark:**

Company Name and Address shown on Report, the sample(s) and sample Information was/ were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

Model No.: VA-IH006, VA-IH009, TB-IH002, TB-IH003, MR-IH001, MR-IH002

Only the model VA-IH006 was tested, the others is equivalent to the previous tested model VA-IH006.

1.We also declare that the electrical circuit,components using and enclosure using of the aforesaid model are identical.




2.Except the opening screen icon,the hardware and software of MR-IH001/TB-IH002 and MR-IH002/TB-IH003 are same as VA-IH006 and VA-IH009 respectively.

## 4 General Information

### 4.1 Client Information

Applicant:	SUNVALLEYTEK INTERNATIONAL. INC
Address of Applicant:	46724 Lakeview Blvd, Fremont, CA 94538
Manufacturer:	Shenzhen NearbyExpress Technology Development Co., Ltd.
Address of Manufacturer:	333 Bulong Road, Jialianda Industrial Park, Building 1, Bantian, Longgang District, Shenzhen, China
Factory:	Foshan Shunde Alford Electronics Co. Ltd.
Address of Factory:	XinJiao Industrial Park, Daliang, Shunde Foshan City, Goangdong Province, China

### 4.2 General Description of EUT

Product Name:	Baby Monitor	
Model No.(EUT):	VA-IH006, VA-IH009, TB-IH002, TB-IH003, MR-IH001, MR-IH002	
Test Mode No:	VA-IH006	
Trade Mark:	VAVA / Miroir/FAKEME/Amyneo/Teble	
EUT Supports Radios application:	2410MHz - 2477MHz	
Power Supply:	Adapter:(Camera)	Model: VSD0500120VU Input:100-240V~50/60Hz 0.3A Output: 5V  1.2A
	Adapter:(Camera)	Model: TPA211F-06050-US Input:100-240V~50/60Hz 0.2A Output: 5V  1.2A
	Adapter:(Camera)	Model: NBS05B050120VU Input:100-240V~50/60Hz 0.2A Output: 5V  1.2A
Sample Received Date:	Sep. 30, 2021	
Sample tested Date:	Sep. 30, 2021 to Nov. 1, 2021	



Operation Frequency:	2410MHz - 2477MHz						
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)						
Test Power Grade:	(manufacturer declare)						
Test Software of EUT:	N/A(manufacturer declare)						
Modulation Type:	GFSK						
Number of Channel:	20						
Hopping Channel Type:	Adaptive Frequency Hopping systems						
Antenna Type and Gain:	External antenna, 0dBi						
Test Voltage:	AC 120V,60Hz						
Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2410MHz	6	2427.5MHz	11	2445MHz	16	2462.5MHz
2	2413.5MHz	7	2431MHz	12	2448.5MHz	17	2466MHz
3	2417MHz	8	2434.5MHz	13	2452MHz	18	2469.5MHz
4	2420.5MHz	9	2438MHz	14	2455.5MHz	19	2473MHz
5	2424MHz	10	2441.5MHz	15	2459MHz	20	2477MHz

### 4.3 Test Environment

<b>Operating Environment:</b>	
<b>Radiated Spurious Emissions:</b>	
Temperature:	22~25.0 °C
Humidity:	50~55 % RH
Atmospheric Pressure:	1010mbar
<b>Conducted Emissions:</b>	
Temperature:	22~25.0 °C
Humidity:	50~55 % RH
Atmospheric Pressure:	1010mbar
<b>RF Conducted:</b>	
Temperature:	22~25.0 °C
Humidity:	50~55 % RH
Atmospheric Pressure:	1010mbar

### 4.4 Description of Support Units

The EUT has been tested independently

### 4.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd  
Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China  
Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

**4.6 Measurement Uncertainty (95% confidence levels, k=2)**

No.	Item	Measurement Uncertainty
1	Radio Frequency	$7.9 \times 10^{-8}$
2	RF power, conducted	0.46dB (30MHz-1GHz)
		0.55dB (1GHz-18GHz)
3	Radiated Spurious emission test	3.3dB (9kHz-30MHz)
		4.3dB (30MHz-1GHz)
		4.5dB (1GHz-18GHz)
		3.4dB (18GHz-40GHz)
4	Conduction emission	3.5dB (9kHz to 150kHz)
		3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%



## 4.7 Equipment List

Conducted disturbance Test					
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Receiver	R&S	ESCI	100435	04-15-2021	04-14-2022
Temperature/ Humidity Indicator	Defu	TH128	/	---	---
LISN	R&S	ENV216	100098	03-04-2021	03-03-2022
Barometer	changchun	DYM3	1188	---	---

RF test system					
Equipment	Manufacturer	Mode No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Spectrum Analyzer	Keysight	N9010A	MY54510339	12-28-2020	12-27-2021
Spectrum Analyzer	R&S	FSV40	101200	08-26-2021	08-25-2022
Signal Generator	Keysight	N5182B	MY53051549	12-28-2020	12-27-2021
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	06-24-2021	06-23-2022
High-pass filter	Sinoscite	FL3CX03WG18 NM12-0398-002	---	---	---
High-pass filter	MICRO- TRONICS	SPA-F-63029-4	---	---	---
DC Power	Keysight	E3642A	MY56376072	12-28-2020	12-27-2021
Power unit	R&S	OSP120	101374	12-28-2020	12-27-2021
RF control unit	JS Tonscend	JS0806-2	158060006	12-28-2020	12-27-2021
BT&WI-FI Automatic test software	JS Tonscend	JS1120-3	---	---	---

3M Semi/full-anechoic Chamber					
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
3M Chamber & Accessory Equipment	TDK	SAC-3	---	05-24-2019	05-23-2022
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	9163-618	05-16-2021	05-15-2022
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04-15-2021	04-14-2024
Receiver	R&S	ESCI7	100938-003	10-16-2020 10-14-2021	10-15-2021 10-13-2022
Multi device Controller	maturu	NCD/070/10711 112	---	---	---
Temperature/ Humidity Indicator	Shanghai qixiang	HM10	1804298	06-24-2021	06-23-2022
Cable line	Fulai(7M)	SF106	5219/6A	---	---
Cable line	Fulai(6M)	SF106	5220/6A	---	---
Cable line	Fulai(3M)	SF106	5216/6A	---	---
Cable line	Fulai(3M)	SF106	5217/6A	---	---

3M full-anechoic Chamber					
Equipment	Manufacturer	Model No.	Serial Number	Cal. date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
RSE Automatic test software	JS Tonscend	JS36-RSE	10166	---	---
Receiver	Keysight	N9038A	MY57290136	03-04-2021	03-03-2022
Spectrum Analyzer	Keysight	N9020B	MY57111112	03-04-2021	03-03-2022
Spectrum Analyzer	Keysight	N9030B	MY57140871	03-04-2021	03-03-2022
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-28-2021	04-27-2024
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-15-2021	04-14-2024
Horn Antenna	ETS-LINDGREN	3117	00057407	07-04-2021	07-03-2024
Preamplifier	EMCI	EMC184055SE	980596	05-20-2021	05-19-2022
Preamplifier	EMCI	EMC001330	980563	04-21-2021	04-20-2022
Preamplifier	JS Tonscend	980380	EMC051845 SE	12-31-2020	12-30-2021
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-16-2021	04-15-2022
Fully Anechoic Chamber	TDK	FAC-3	---	01-09-2021	01-08-2024
Filter bank	JS Tonscend	JS0806-F	188060094	04-09-2021	04-08-2024
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	---	---
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	---	---
Cable line	Times	EMC104-NMNM-1000	SN160710	---	---
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	---	---
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	---	---
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	---	---
Cable line	Times	HF160-KMKM-3.00M	393493-0001	---	---

## 5 Test results and Measurement Data

### 5.1 Antenna Requirement

<b>Standard requirement:</b>	47 CFR Part 15C Section 15.203 /247(c)
<p>15.203 requirement:                  An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.</p> <p>15.247(b) (4) requirement:                  The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.</p>	
<b>EUT Antenna:</b>	Please see Internal photos
The antenna is External antenna. The best case gain of the antenna is 0dBi.	

## 5.2 AC Power Line Conducted Emissions

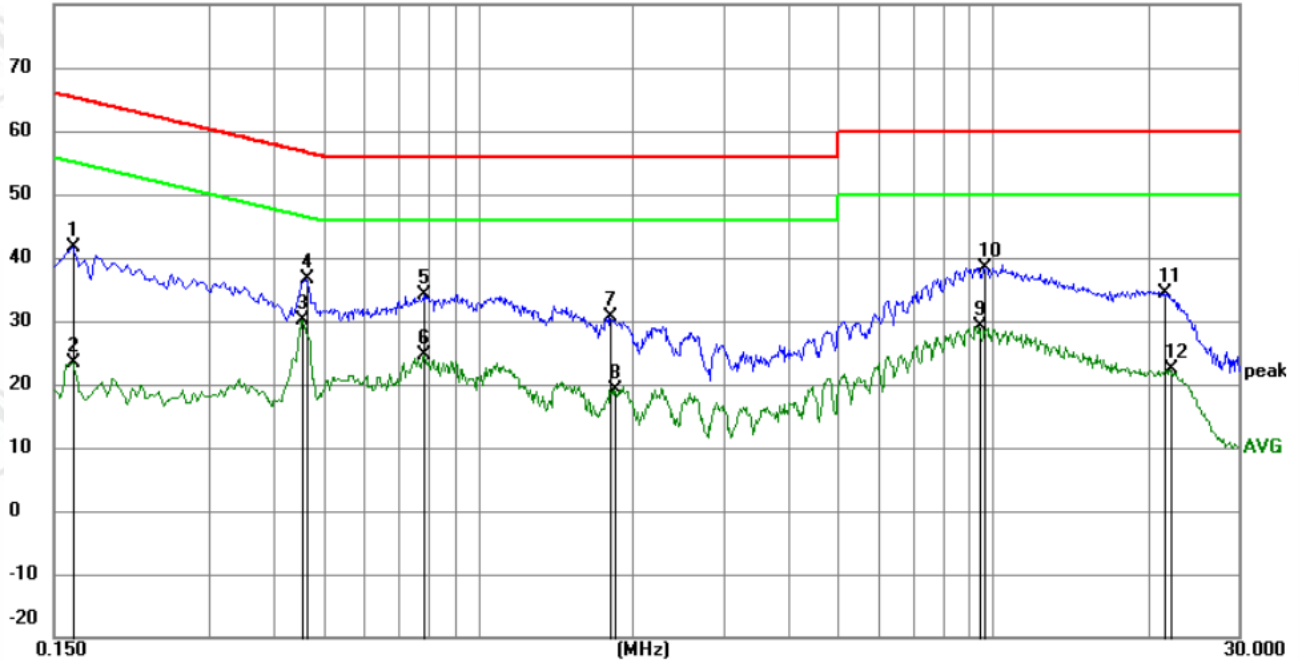
Test Requirement:	47 CFR Part 15C Section 15.207														
Test Method:	ANSI C63.10: 2013														
Test Frequency Range:	150kHz to 30MHz														
Receiver setup:	RBW=9 kHz, VBW=30 kHz, Sweep time=auto														
Limit:	<table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBuV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table> <p>* Decreases with the logarithm of the frequency.</p>	Frequency range (MHz)	Limit (dBuV)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
Frequency range (MHz)	Limit (dBuV)														
	Quasi-peak	Average													
0.15-0.5	66 to 56*	56 to 46*													
0.5-5	56	46													
5-30	60	50													
Test Setup:															
Test Procedure:	<ol style="list-style-type: none"> <li>1) The mains terminal disturbance voltage test was conducted in a shielded room.</li> <li>2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a <math>50\Omega/50\mu\text{H} + 5\Omega</math> linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.</li> <li>3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,</li> <li>4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.</li> <li>5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.</li> </ol>														
Exploratory Test Mode:	Non-hopping transmitting mode with all kind of modulation and all kind of data type at the lowest, middle, high channel.														
Final Test Mode:	Through Pre-scan, find the GFSK modulation at the lowest channel is the worst case. Only the worst case is recorded in the report.														
Test Results:	Pass														

Adapter:(Camera):NBS05B050120VU

## Measurement Data

Live line:

80.0 dBuV



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1635	31.85	9.87	41.72	65.28	-23.56	peak	
2		0.1635	13.51	9.87	23.38	55.28	-31.90	AVG	
3	*	0.4560	20.24	9.96	30.20	46.77	-16.57	AVG	
4		0.4650	26.78	9.96	36.74	56.60	-19.86	peak	
5		0.7845	24.40	9.85	34.25	56.00	-21.75	peak	
6		0.7845	14.80	9.85	24.65	46.00	-21.35	AVG	
7		1.8060	20.87	9.80	30.67	56.00	-25.33	peak	
8		1.8420	9.35	9.80	19.15	46.00	-26.85	AVG	
9		9.4379	19.28	9.78	29.06	50.00	-20.94	AVG	
10		9.6225	28.61	9.78	38.39	60.00	-21.61	peak	
11		21.5745	24.51	9.98	34.49	60.00	-25.51	peak	
12		22.1550	12.39	9.98	22.37	50.00	-27.63	AVG	

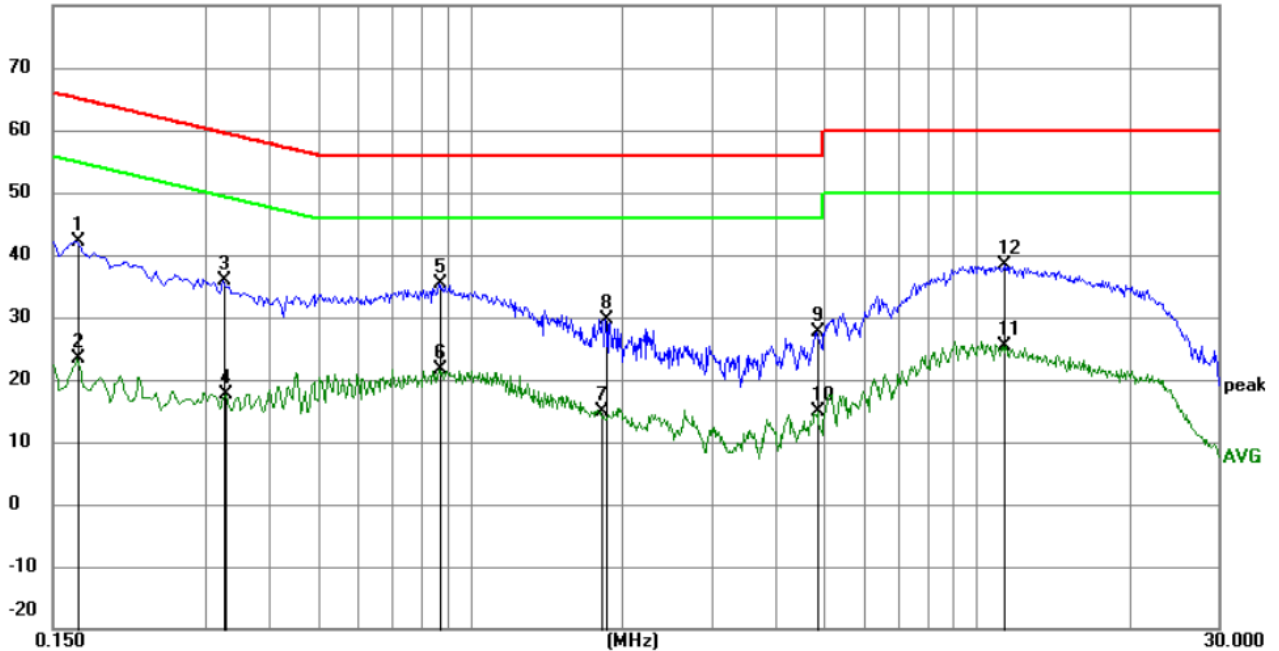
Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.



Neutral line:

80.0 dBuV



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1680	32.23	9.87	42.10	65.06	-22.96	peak	
2		0.1680	13.47	9.87	23.34	55.06	-31.72	AVG	
3		0.3255	25.78	10.04	35.82	59.57	-23.75	peak	
4		0.3300	7.67	10.04	17.71	49.45	-31.74	AVG	
5	*	0.8700	25.50	9.85	35.35	56.00	-20.65	peak	
6		0.8700	11.72	9.85	21.57	46.00	-24.43	AVG	
7		1.8150	5.13	9.80	14.93	46.00	-31.07	AVG	
8		1.8555	19.87	9.80	29.67	56.00	-26.33	peak	
9		4.8390	17.81	9.78	27.59	56.00	-28.41	peak	
10		4.8659	5.07	9.78	14.85	46.00	-31.15	AVG	
11		11.2605	15.54	9.82	25.36	50.00	-24.64	AVG	
12		11.3460	28.51	9.82	38.33	60.00	-21.67	peak	

Remark:

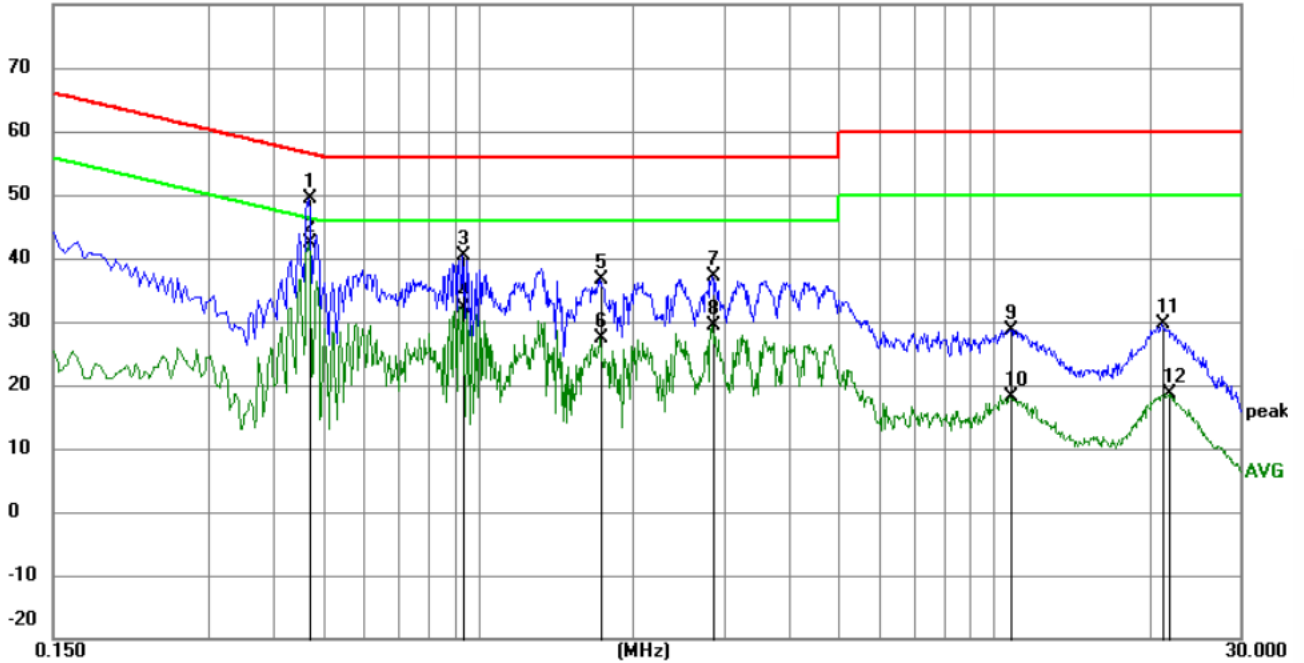
1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Adapter:(Camera):VSD0500120VU

### Measurement Data

Live line:

80.0 dBuV



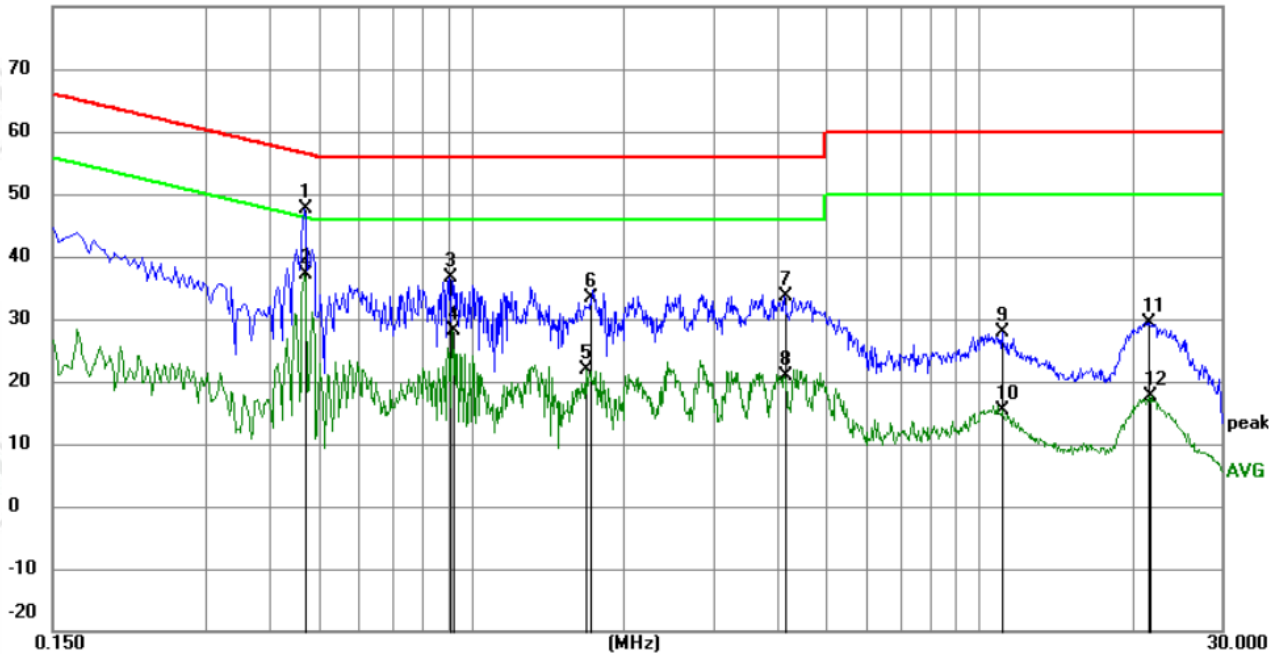
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.4695	39.44	9.96	49.40	56.52	-7.12	peak	
2	*	0.4695	32.46	9.96	42.42	46.52	-4.10	AVG	
3		0.9375	30.48	9.84	40.32	56.00	-15.68	peak	
4		0.9375	22.22	9.84	32.06	46.00	-13.94	AVG	
5		1.7340	26.77	9.80	36.57	56.00	-19.43	peak	
6		1.7340	17.47	9.80	27.27	46.00	-18.73	AVG	
7		2.8455	27.30	9.79	37.09	56.00	-18.91	peak	
8		2.8455	19.60	9.79	29.39	46.00	-16.61	AVG	
9		10.7385	18.89	9.80	28.69	60.00	-31.31	peak	
10		10.7385	8.31	9.80	18.11	50.00	-31.89	AVG	
11		21.2325	19.67	9.98	29.65	60.00	-30.35	peak	
12		21.9300	8.75	9.98	18.73	50.00	-31.27	AVG	

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Neutral line:

80.0 dBuV



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.4695	37.64	9.96	47.60	56.52	-8.92	peak	
2		0.4695	27.20	9.96	37.16	46.52	-9.36	AVG	
3		0.9060	26.74	9.85	36.59	56.00	-19.41	peak	
4		0.9195	18.18	9.85	28.03	46.00	-17.97	AVG	
5		1.6890	12.07	9.80	21.87	46.00	-24.13	AVG	
6		1.7250	23.65	9.80	33.45	56.00	-22.55	peak	
7		4.1415	23.73	9.78	33.51	56.00	-22.49	peak	
8		4.1415	11.02	9.78	20.80	46.00	-25.20	AVG	
9		11.0805	18.16	9.81	27.97	60.00	-32.03	peak	
10		11.0805	5.45	9.81	15.26	50.00	-34.74	AVG	
11		21.5160	19.48	9.98	29.46	60.00	-30.54	peak	
12		21.6915	7.74	9.98	17.72	50.00	-32.28	AVG	

Remark:

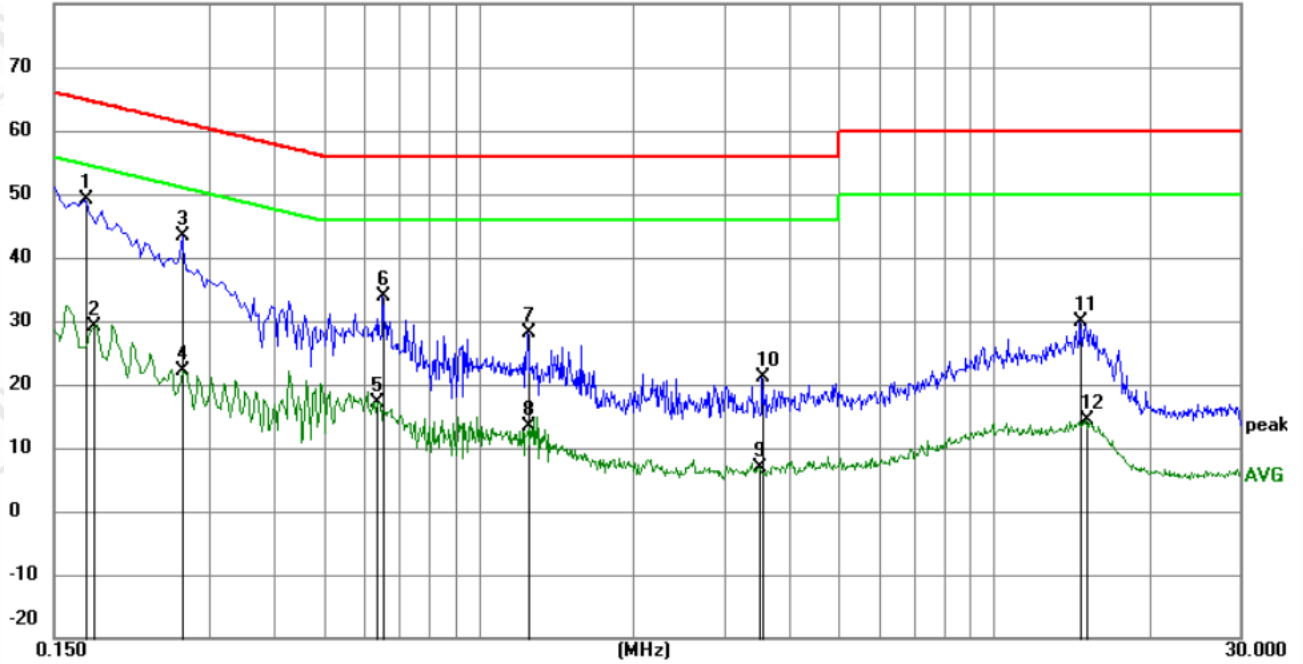
1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Adapter:(Camera):TPA211F-06050-US

## Measurement Data

Live line:

80.0 dBuV



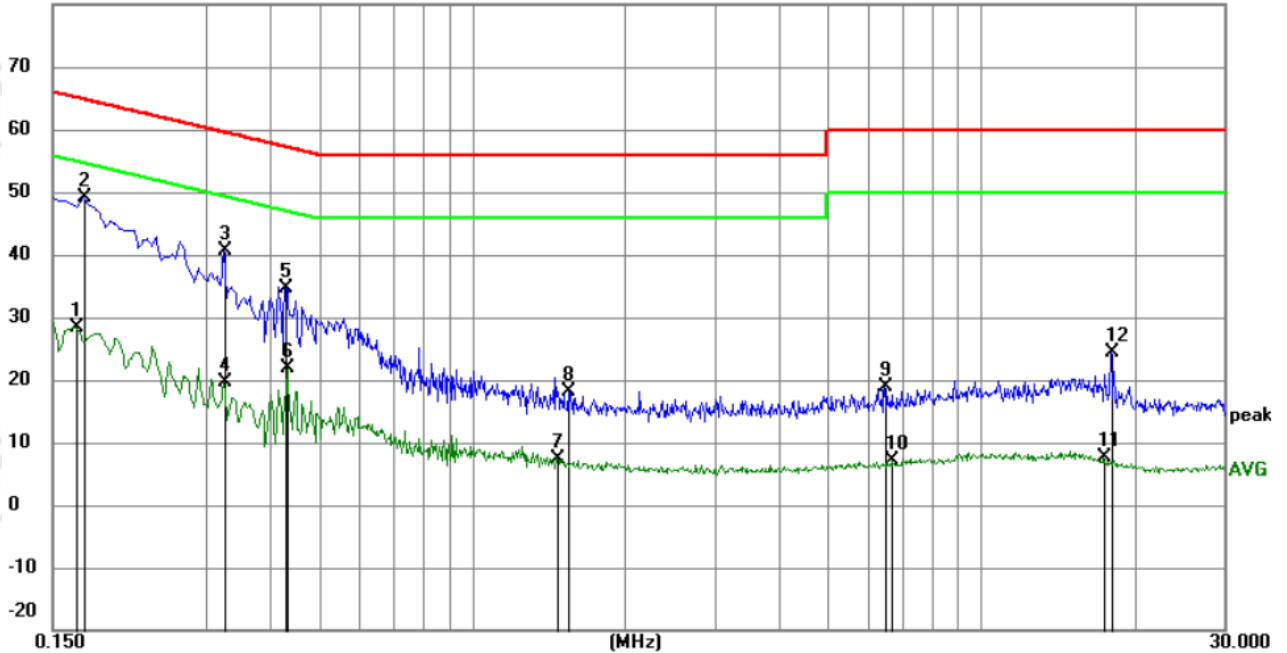
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1725	39.32	9.87	49.19	64.84	-15.65	peak	
2		0.1796	19.20	9.87	29.07	54.50	-25.43	AVG	
3		0.2670	33.26	10.00	43.26	61.21	-17.95	peak	
4		0.2670	12.18	10.00	22.18	51.21	-29.03	AVG	
5		0.6360	7.14	10.00	17.14	46.00	-28.86	AVG	
6		0.6540	23.96	9.97	33.93	56.00	-22.07	peak	
7		1.2480	18.31	9.82	28.13	56.00	-27.87	peak	
8		1.2525	3.57	9.82	13.39	46.00	-32.61	AVG	
9		3.4980	-2.93	9.78	6.85	46.00	-39.15	AVG	
10		3.5520	11.40	9.78	21.18	56.00	-34.82	peak	
11		14.7390	19.99	9.92	29.91	60.00	-30.09	peak	
12		15.1260	4.44	9.93	14.37	50.00	-35.63	AVG	

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Neutral line:

80.0 dBuV



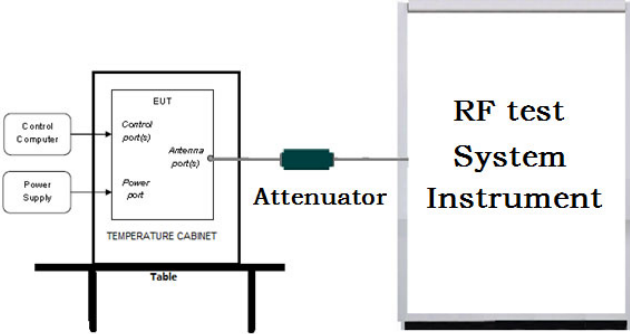
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1659	18.40	9.87	28.27	55.16	-26.89	AVG	
2	*	0.1725	39.34	9.87	49.21	64.84	-15.63	peak	
3		0.3255	30.65	10.04	40.69	59.57	-18.88	peak	
4		0.3255	9.50	10.04	19.54	49.57	-30.03	AVG	
5		0.4290	24.66	9.96	34.62	57.27	-22.65	peak	
6		0.4335	11.88	9.96	21.84	47.19	-25.35	AVG	
7		1.4685	-2.31	9.81	7.50	46.00	-38.50	AVG	
8		1.5450	8.30	9.81	18.11	56.00	-37.89	peak	
9		6.4545	9.17	9.79	18.96	60.00	-41.04	peak	
10		6.6885	-2.73	9.79	7.06	50.00	-42.94	AVG	
11		17.4705	-2.34	9.95	7.61	50.00	-42.39	AVG	
12		18.0285	14.54	9.95	24.49	60.00	-35.51	peak	

Remark:

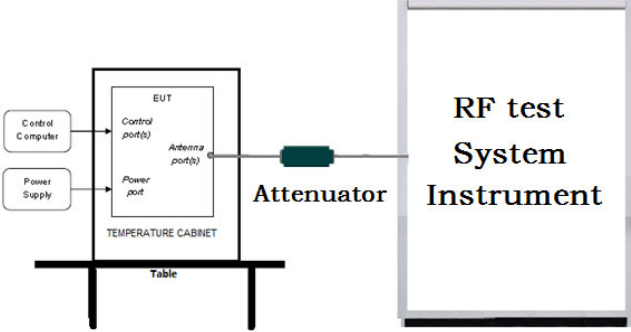
1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.



### 5.3 Maximum Conducted Output Power

Test Requirement:	47 CFR Part 15C Section 15.247 (b)(1)
Test Method:	ANSI C63.10:2013
Test Setup:	 <p>Remark: Offset=Cable loss+ attenuation factor.</p>
Test Procedure:	<p>Use the following spectrum analyzer settings:</p> <ul style="list-style-type: none"> <li>Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel</li> <li>RBW &gt; the 20 dB bandwidth of the emission being measured</li> <li>VBW ≥ RBW</li> <li>Sweep = auto</li> <li>Detector function = peak</li> <li>Trace = max hold</li> </ul> <p>Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission.</p>
Limit:	21dBm
Exploratory Test Mode:	Non-hopping transmitting with all kind of modulation and all kind of data type
Final Test Mode:	Through Pre-scan, find the DH5 of data type is the worst case of GFSK modulation type
Test Results:	Refer to Appendix A

## 5.4 20dB Emission Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2013
Test Setup:	 <p>Remark: Offset=Cable loss+ attenuation factor.</p>
Test Procedure:	<ol style="list-style-type: none"> <li>1. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.</li> <li>2. Set to the maximum power setting and enable the EUT transmit continuously.</li> <li>3. Use the following spectrum analyzer settings for 20dB Bandwidth measurement. Span = approximately 2 to 5 times the 20 dB bandwidth, centered on a hopping channel; <math>1\% \leq RBW \leq 5\%</math> of the 20 dB bandwidth; <math>VBW \geq 3RBW</math>; Sweep = auto; Detector function = peak; Trace = max hold.</li> <li>4. Measure and record the results in the test report.</li> </ol>
Limit:	NA
Exploratory Test Mode:	Non-hopping transmitting with all kind of modulation and all kind of data type
Final Test Mode:	Through Pre-scan, find the DH5 of data type is the worst case of GFSK modulation type
Test Results:	Refer to Appendix A