RADIO TEST REPORT
FCC ID: RS5-CITY500T

Product:	Baby monitor
Trade Name:	N/A
Model No.:	City500
Serial Model:	City240B, City350
Report No.:	NTEK-2016NT08298656F1
Issue Date:	13 Oct. 2016

Prepared for

MC Devices Co., Ltd.
Suite 516 BLD 4 , NATIONAL SOFTWARE BASE, KEJIZHONG 2 RD, SHENZHEN HI-TECH PARK, SHENZHEN, CHINA

Prepared by

NTEK TESTING TECHNOLOGY CO., LTD.
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1 TEST RESULT CERTIFICATION

Applicant's name ..... :	MC Devices Co., Ltd.
Address ..... :	Suite 516 BLD 4 , NATIONAL SOFTWARE BASE, KEJIZHONG 2 RD, SHENZHEN HI-TECH PARK, SHENZHEN, CHINA
Manufacture's Name ..... :	MC Devices Co., Ltd.
Address ..... :	Suite 516 BLD 4 , NATIONAL SOFTWARE BASE, KEJIZHONG 2 RD, SHENZHEN HI-TECH PARK, SHENZHEN, CHINA
Product description	
Product name ..... :	Baby monitor
Model and/or type reference ..... :	City500
Serial Model ..... :	City240B, City350

Measurement Procedure Used:

APPLICABLE STANDARDS	
APPLICABLE STANDARD/ TEST PROCEDURE	TEST RESULT
FCC 47 CFR Part 2, Subpart J:2016 FCC 47 CFR Part 15, Subpart C:2016 KDB 174176 D01 Line Conducted FAQ v01r01 ANSI C63.10-2013 FCC KDB 558074 D01 DTS Meas Guidance v03r05	Complied

This device described above has been tested by NTEK Testing Technology Co., Ltd., and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.
This report shall not be reproduced except in full, without the written approval of NTEK Testing Technology Co., Ltd., this document may be altered or revised by NTEK Testing Technology Co., Ltd., personnel only, and shall be noted in the revision of the document.
The test results of this report relate only to the tested sample identified in this report.

Date of Test : 29 Aug. 2016 ~ 13 Oct. 2016

Testing Engineer : Lake.Xie
(Lake Xie)

Technical Manager : Jason chen
(Jason Chen)

Authorized Signatory : Sam . Chen
(Sam Chen)

2 SUMMARY OF TEST RESULTS

FCC Part15 (15.247), Subpart C			
Standard Section	**Test Item**	**Verdict**	**Remark**
15.207	Conducted Emission	PASS	
15.247 (a)(2)	6dB Bandwidth	PASS	
15.247 (b)	Maximum Output Power	PASS	
15.247 (c)	Radiated Spurious Emission	PASS	
15.247 (d)	Power Spectral Density	PASS	
15.205	Emission in non-restricted Band	PASS	
15.203	Antenna Requirement	PASS	

Remark:
1. “N/A” denotes test is not applicable in this Test Report.
2. All test items were verified and recorded according to the standards and without any deviation during the test.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

3 FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

All measurement facilities used to collect the measurement data are located at 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen P.R. China.
The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.10 and CISPR Publication 22.

3.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description

EMC Lab. : Accredited by CNAS, 2014.09.04
The certificate is valid until 2017.09.03
The Laboratory has been assessed and proved to be in compliance with CNAS-CL01:2006 (identical to ISO/IEC 17025:2005)
The Certificate Registration Number is L5516.

Accredited by Industry Canada, August 29, 2012
The Certificate Registration Number is 9270A-1.

Accredited by FCC, September 06, 2013
The Certificate Registration Number is 238937.

Name of Firm : NTEK Testing Technology Co., Ltd

Site Location : 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen P.R. China.

3.3 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y±U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	Conducted Emission Test	±1.38dB
2	RF power, conducted	±0.16dB
3	Spurious emissions, conducted	±0.21dB
4	All emissions, radiated(<1G)	±4.68dB
5	All emissions, radiated(>1G)	±4.89dB
6	Temperature	±0.5°C
7	Humidity	±2%

Revision History

Report No.	Version	Description	Issued Date
NTEK-2016NT08298656F1	Rev.01	Initial issue of report	Oct 13, 2016

4 GENERAL DESCRIPTION OF EUT

Product Feature and Specification	
Equipment	Baby monitor
Trade Name	N/A
FCC ID	RS5-CITY500T
Model No.	City500
Serial Model	City240B, City350
Model Difference	All the model are the same circuit and RF module, except the model name is different.
Operating Frequency	2409.75MHz~2475MHz
Modulation	DSSS
Number of Channels	19 Channels
Antenna	Internal Antenna
Antenna Gain	0dBi
Power supply	☐DC supply: N/A
	☒Adapter supply: Input：AC 100-240V,50/60Hz 0.2A Output：DC 5V,1000mA
HW Version	N/A
SW Version	N/A

Note 1: Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. The USB port is only for charging. More details of EUT technical specification, please refer to the User's Manual.

5 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.
The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.
The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement –X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.

Frequency and Channel list for DSSS:

Channel List							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2409.75	06	2426.625	11	2445.75	16	2462.625
02	2413.125	07	2430	12	2449.125	17	2466
03	2416.5	08	2433.375	13	2452.5	18	2469.375
04	2419.875	09	2436.75	14	2455.875	19	2475
05	2423.25	10	2442.375	15	2459.25		

The following summary table is showing all test modes to demonstrate in compliance with the standard.

For AC Conducted Emission	
Final Test Mode	Description
Mode 1	normal link mode

Note: AC power line Conducted Emission was tested under maximum output power.

For Radiated Test Cases	
Final Test Mode	Description
Mode 1	normal link mode
Mode 2	CH01(2409.75MHz)
Mode 3	CH10(2442.375MHz)
Mode 4	CH19(2475MHz)

Note: For radiated test cases, the worst mode data rate 1Mbps was reported only, because this data rate has the highest RF output power at preliminary tests, and no other significantly frequencies found in conducted spurious emission.

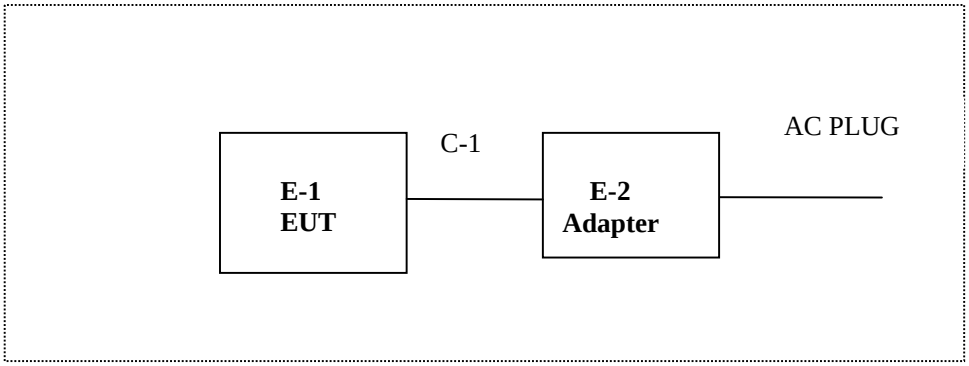
For Conducted Test Cases	
Final Test Mode	Description
Mode 2	CH01(2409.75MHz)
Mode 3	CH10(2442.375MHz)
Mode 4	CH19(2475MHz)

Note: The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode.

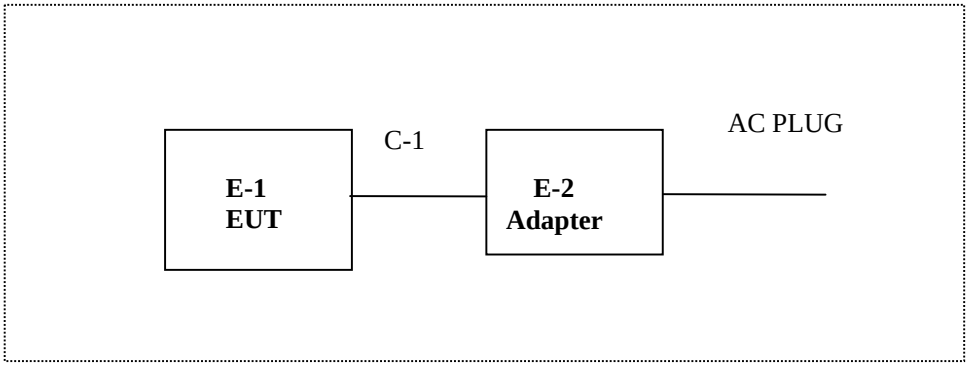
6 SETUP OF EQUIPMENT UNDER TEST

6.1 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM

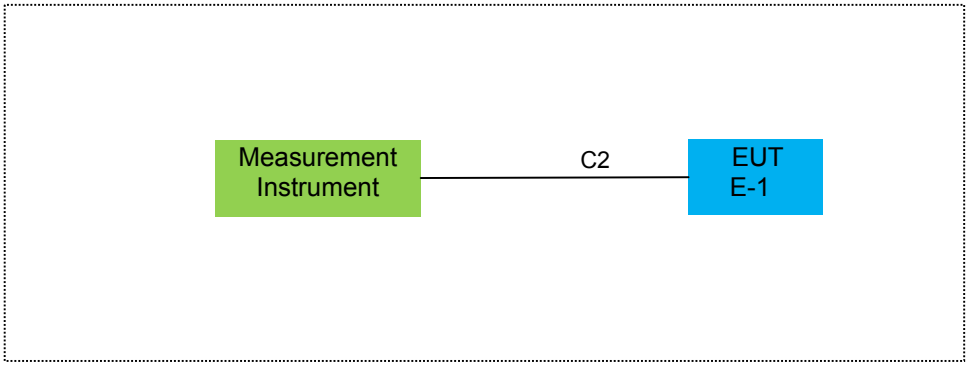
For AC Conducted Emission Mode



For Radiated Test Cases



For Conducted Test Cases



Note:The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

6.2 SUPPORT EQUIPMENT

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Note
E-1	Baby monitor	N/A	City500	RS5-City500T	EUT
E-2	Adapter	N/A	HJ-0501000E1-US	N/A	

Item	Cable Type	Shielded Type	Ferrite Core	Length	Note
C-1	USB Cable	YES	NO	1.0m	
C-2	RF Cable	NO	NO	0.5m	

Notes:

(1) The support equipment was authorized by Declaration of Confirmation.
(2) For detachable type I/O cable should be specified the length in cm in『Length』column.
(3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.

6.3 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	E4407B	MY45108040	2016.07.06	2017.07.05	1 year
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2016.07.06	2017.07.05	1 year
3	EMI Test Receiver	Agilent	N9038A	MY53227146	2016.06.06	2017.06.05	1 year
4	Test Receiver	R&S	ESPI	101318	2016.06.06	2017.06.05	1 year
5	Bilog Antenna	TESEQ	CBL6111D	31216	2016.07.06	2017.07.05	1 year
6	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	2016.06.06	2017.06.05	1 year
7	Horn Antenna	EM	EM-AH-10180	2011071402	2016.07.06	2017.07.05	1 year
8	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2016.07.06	2017.07.05	1 year
9	Amplifier	EM	EM-30180	060538	2015.12.22	2016.12.21	1 year
10	Amplifier	MITEQ	TTA1840-35-HG	177156	2016.06.06	2017.06.05	1 year
11	Loop Antenna	ARA	PLA-1030/B	1029	2016.06.06	2017.06.05	1 year
12	Power Meter	DARE	RPR3006W	100696	2016.07.06	2017.07.05	1 year
13	Test Cable (9KHz-30MHz)	N/A	R-01	N/A	2016.07.06	2017.07.05	1 year
14	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2016.07.06	2017.07.05	1 year
15	High Test Cable(1G-40GHz)	N/A	R-03	N/A	2016.06.06	2017.06.05	1 year
16	High Test Cable(1G-40GHz)	N/A	R-04	N/A	2016.06.06	2017.06.05	1 year
17	temporary antenna connector (Note)	NTS	R001	N/A	N/A	N/A	N/A

Note:
We will use the temporary antenna connector (soldered on the PCB board) When conducted test
And this temporary antenna connector is listed within the instrument list

Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2016.06.06	2017.06.05	1 year
2	LISN	R&S	ENV216	101313	2016.08.24	2017.08.23	1 year
3	LISN	EMCO	3816/2	00042990	2016.08.24	2017.08.23	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264417	2016.06.07	2017.06.06	1 year
5	Test Cable (9KHz-30MHz)	N/A	C01	N/A	2016.06.08	2017.06.07	1 year
6	Test Cable (9KHz-30MHz)	N/A	C02	N/A	2016.06.08	2017.06.07	1 year
7	Test Cable (9KHz-30MHz)	N/A	C03	N/A	2016.06.08	2017.06.07	1 year

Note: Each piece of equipment is scheduled for calibration once a year.

7 TEST REQUIREMENTS

7.1 CONDUCTED EMISSIONS TEST

7.1.1 Applicable Standard

According to FCC Part 15.207(a) and KDB 174176 D01 Line Conducted FAQ v01r01

7.1.2 Conformance Limit

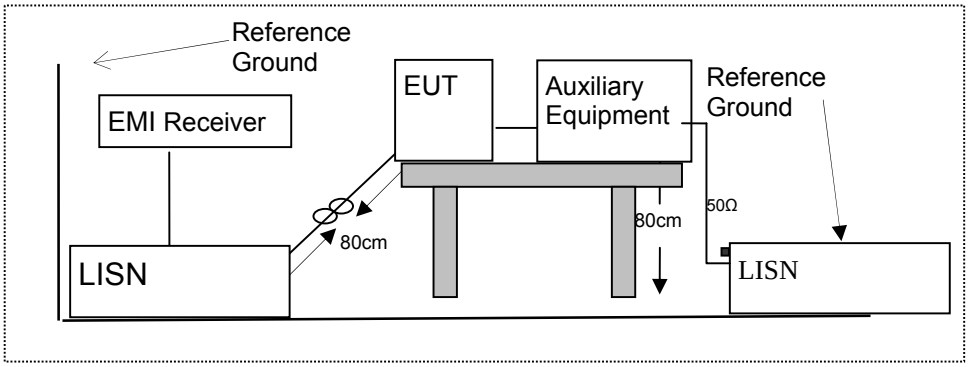
Frequency(MHz)	Conducted Emission Limit	
	Quasi-peak	Average
0.15-0.5	66-56*	56-46*
0.5-5.0	56	46
5.0-30.0	60	50

Note: 1. *Decreases with the logarithm of the frequency
2. The lower limit shall apply at the transition frequencies
3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

7.1.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.1.4 Test Configuration



7.1.5 Test Procedure

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 Conducted emissions the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room.
2. The EUT was placed on a table which is 0.8m above ground plane.
3. Connect EUT to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
4. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40cm long.
5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
6. LISN at least 80 cm from nearest part of EUT chassis.
7. The frequency range from 150KHz to 30MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth(IF bandwidth=9KHz) with Maximum Hold Mode
9. For the actual test configuration, please refer to the related Item –EUT Test Photos.

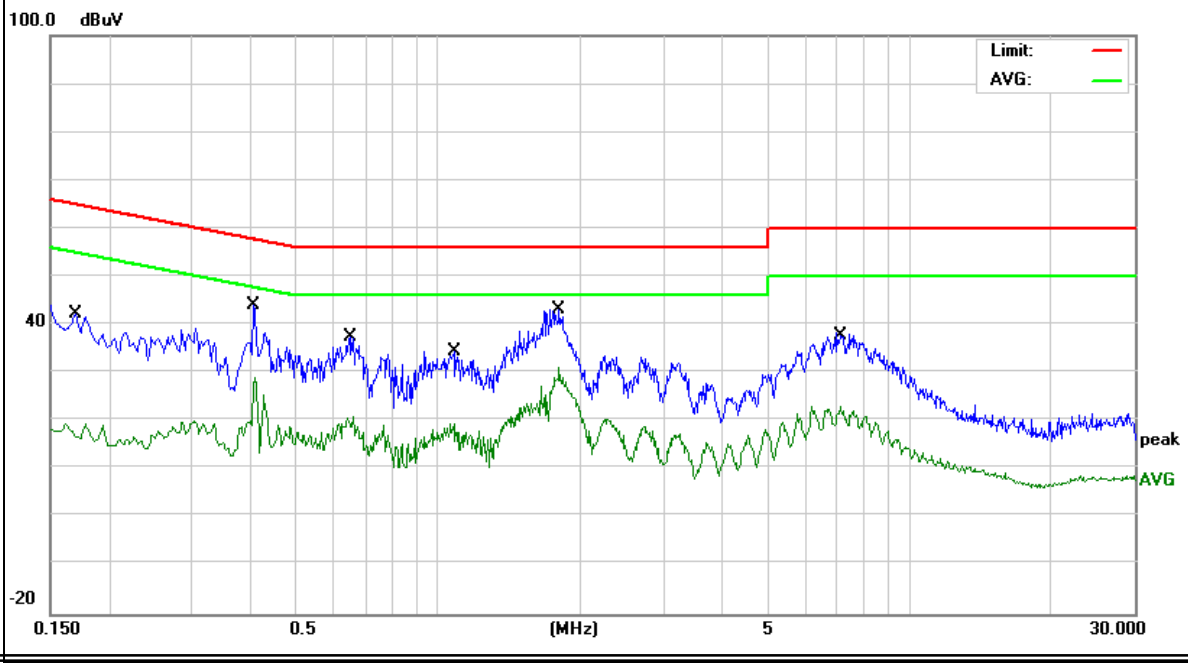
7.1.6 Test Results

EUT：	Baby monitor	Model Name. ：	City500
Temperature：	26 ℃	Relative Humidity：	56%
Pressure：	1010hPa	Phase :	L
Test Voltage ：	DC 5V From Adapter AC 120V/60Hz	Test Mode：	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1700	32.06	10.12	42.18	64.96	-22.78	QP
0.1700	8.46	10.12	18.58	54.96	-36.38	AVG
0.4100	34.13	10.03	44.16	57.65	-13.49	QP
0.4100	18.89	10.03	28.92	47.65	-18.73	AVG
0.6500	27.74	9.79	37.53	56.00	-18.47	AVG
0.6500	11.29	9.79	21.08	46.00	-24.92	QP
1.0780	24.51	9.86	34.37	56.00	-21.63	QP
1.0780	9.63	9.86	19.49	46.00	-26.51	AVG
1.8020	33.34	9.78	43.12	56.00	-12.88	QP
1.8020	21.38	9.78	31.16	46.00	-14.84	AVG
7.1299	28.58	9.85	38.43	60.00	-21.57	QP
7.1299	13.07	9.85	22.92	50.00	-27.08	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

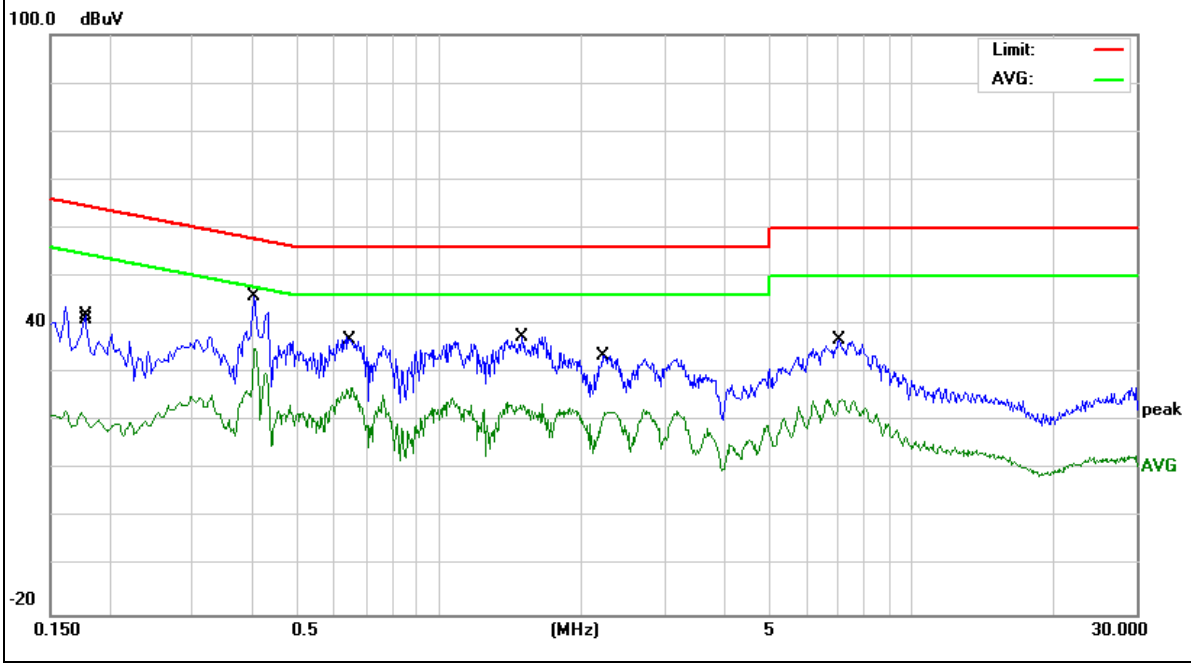


EUT：	Baby monitor	Model Name. ：	City500
Temperature：	26 ℃	Relative Humidity：	56%
Pressure：	1010hPa	Phase :	N
Test Voltage ：	DC 5V From Adapter AC 120V/60Hz	Test Mode：	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1739	11.71	10.05	21.76	54.77	-33.01	AVG
0.1779	32.02	10.05	42.07	64.58	-22.51	QP
0.4060	35.81	10.05	45.86	57.73	-11.87	QP
0.4060	25.00	10.05	35.05	47.73	-12.68	AVG
0.6540	27.75	9.82	37.57	56.00	-18.43	QP
0.6540	17.25	9.82	27.07	46.00	-18.93	AVG
1.4979	27.64	9.83	37.47	56.00	-18.53	QP
1.4979	13.46	9.83	23.29	46.00	-22.71	AVG
2.2419	23.88	9.78	33.66	56.00	-22.34	QP
2.2419	12.17	9.78	21.95	46.00	-24.05	AVG
7.0339	26.92	9.82	36.74	60.00	-23.26	QP
7.0339	14.40	9.82	24.22	50.00	-25.78	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

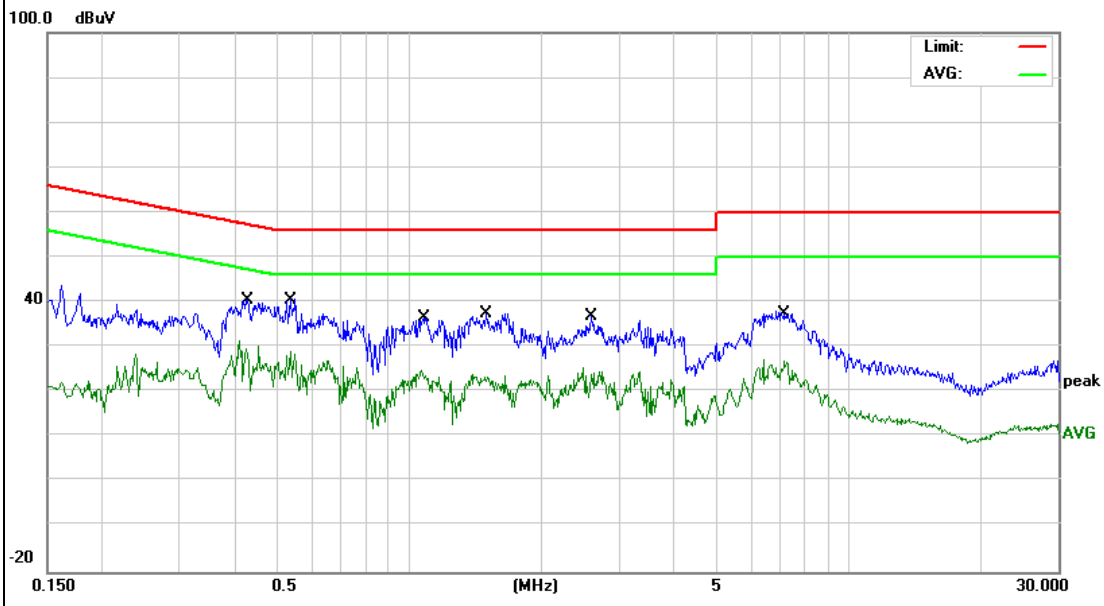


EUT：	Baby monitor	Model Name. ：	City500
Temperature：	26 ℃	Relative Humidity：	56%
Pressure：	1010hPa	Phase :	L
Test Voltage ：	DC 5V From Adapter AC 240V/60Hz	Test Mode：	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.4299	30.51	9.99	40.50	57.25	-16.75	QP
0.4299	21.46	9.99	31.45	47.25	-15.80	AVG
0.5349	30.77	9.83	40.60	56.00	-15.40	QP
0.5349	19.33	9.83	29.16	46.00	-16.84	AVG
1.0700	26.66	9.88	36.54	56.00	-19.46	QP
1.0700	14.82	9.88	24.70	46.00	-21.30	AVG
1.4979	27.64	9.83	37.47	56.00	-18.53	QP
1.4979	13.46	9.83	23.29	46.00	-22.71	AVG
2.6059	27.02	9.78	36.80	56.00	-19.20	QP
2.6059	15.71	9.78	25.49	46.00	-20.51	AVG
7.1379	28.18	9.82	38.00	60.00	-22.00	QP
7.1379	17.07	9.82	26.89	50.00	-23.11	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

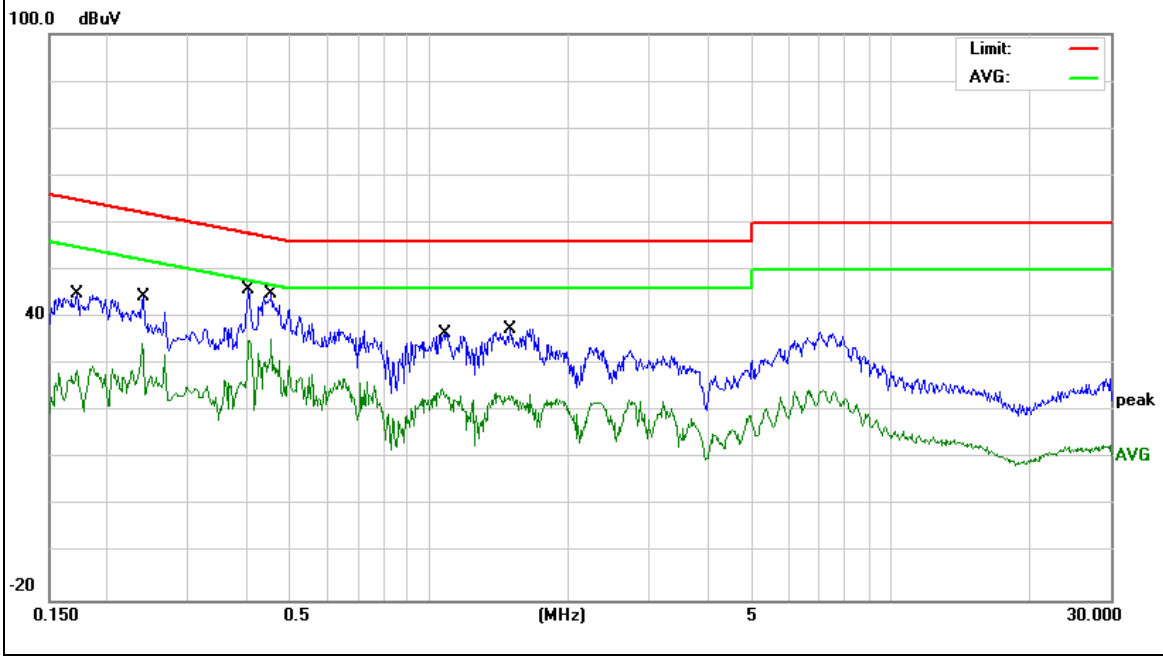


EUT：	Baby monitor	Model Name. ：	City500
Temperature：	26 ℃	Relative Humidity：	56%
Pressure：	1010hPa	Phase :	N
Test Voltage ：	DC 5V From Adapter AC 240V/60Hz	Test Mode：	Mode 1

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1720	34.85	10.05	44.90	64.86	-19.96	QP
0.1720	18.59	10.05	28.64	54.86	-26.22	AVG
0.2403	34.14	10.06	44.20	62.08	-17.88	QP
0.2403	24.48	10.06	34.54	52.08	-17.54	AVG
0.4060	35.81	10.05	45.86	57.73	-11.87	QP
0.4060	25.00	10.05	35.05	47.73	-12.68	AVG
0.4540	34.96	9.94	44.90	56.80	-11.90	QP
0.4540	25.39	9.94	35.33	46.80	-11.47	AVG
1.0700	26.66	9.88	36.54	56.00	-19.46	QP
1.0700	14.82	9.88	24.70	46.00	-21.30	AVG
1.4939	27.64	9.83	37.47	56.00	-18.53	QP
1.4939	13.46	9.83	23.29	46.00	-22.71	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



7.2 RADIATED SPURIOUS EMISSION

7.2.1 Applicable Standard

According to FCC Part 15.247(d) and 15.209 and ANSI C63.10-2013

7.2.2 Conformance Limit

According to FCC Part 15.247(d): 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)).
According to FCC Part15.205, Restricted bands

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	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	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)
13.36-13.41			

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Restricted Frequency(MHz)	Field Strength (μV/m)	Field Strength (dBμV/m)	Measurement Distance
0.009~0.490	2400/F(KHz)	20 log (uV/m)	300
0.490~1.705	2400/F(KHz)	20 log (uV/m)	30
1.705~30.0	30	29.5	30
30-88	100	40	3
88-216	150	43.5	3
216-960	200	46	3
Above 960	500	54	3

Limits of Radiated Emission Measurement(Above 1000MHz)

Frequency(MHz)	Class B (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

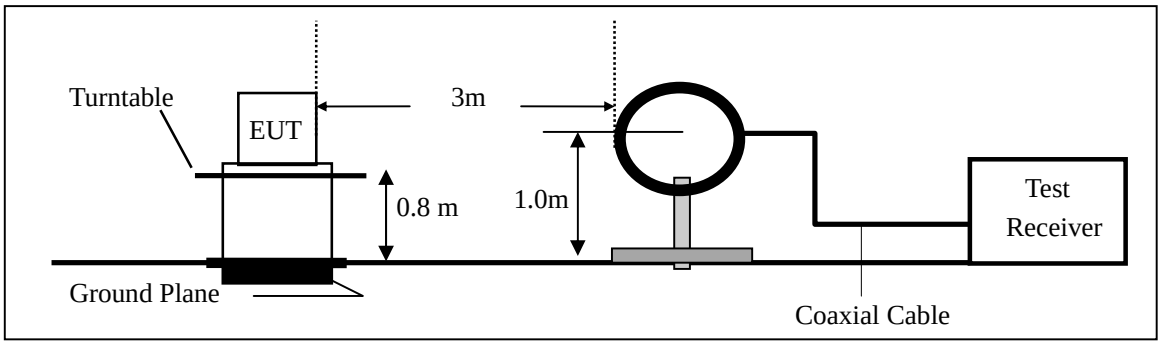
Remark :1. Emission level in dBuV/m=20 log (uV/m)
2. Measurement was performed at an antenna to the closed point of EUT distance of meters.
3. Distance extrapolation factor =40log(Specific distance/ test distance)(dB);
Limit line=Specific limits(dBuV) + distance extrapolation factor.

7.2.3 Measuring Instruments

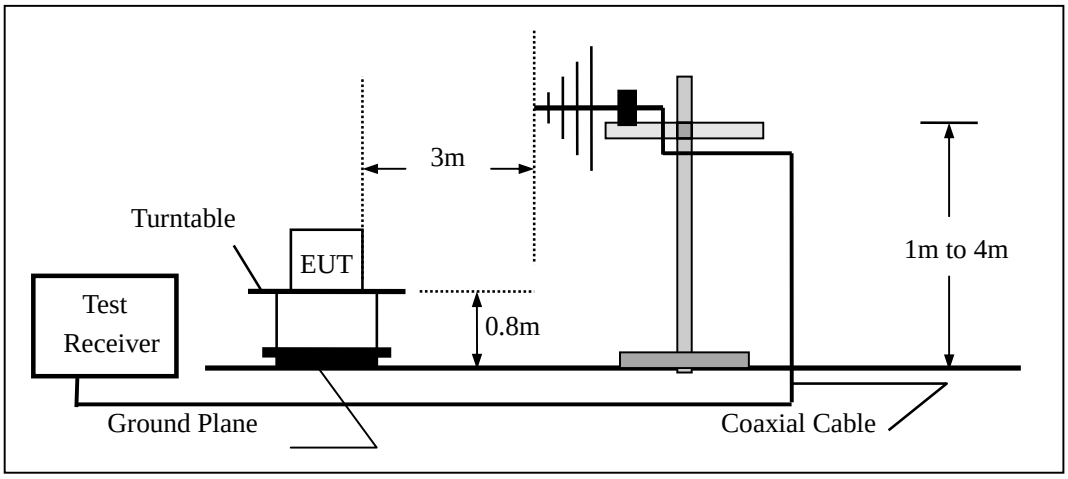
The Measuring equipment is listed in the section 6.3 of this test report.

7.2.4 Test Configuration

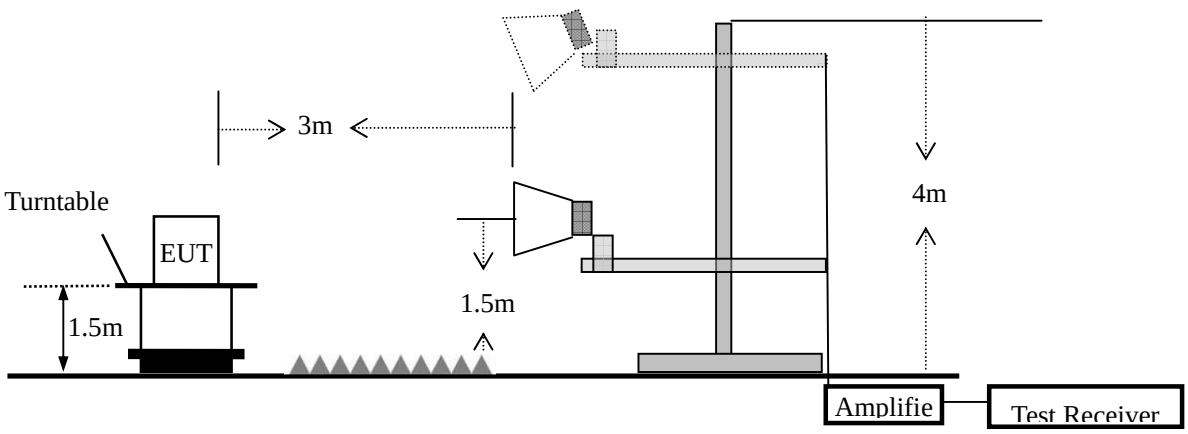
(a) For radiated emissions below 30MHz



(b) For radiated emissions from 30MHz to 1000MHz



(c) For radiated emissions above 1000MHz



7.2.5 Test Procedure

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10-2013. The test distance is 3m.The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2013 and CAN/CSA-CEI/IEC CISPR 22.
This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT.
Use the following spectrum analyzer settings:

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz and frequencies above 1GHz,
b. The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
c. The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For the radiated emission test above 1GHz:
Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
e. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
f. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
g For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

Both horizontal and vertical antenna polarities were tested
and performed pretest to three orthogonal axis. The worst case emissions were reported

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	1 MHz
	Average	1 MHz	10 Hz

Note: for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where RBWCF [dB] =10*lg(100 [kHz]/narrower RBW [kHz]). , the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

7.2.6 Test Results

■ Spurious Emission below 30MHz (9KHz to 30MHz)

EUT:	Baby monitor	Model Name. ：	City500
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	TX(Mode2/Mode3/Mode4)	Test By:	Lake Xie

Freq. (MHz)	Ant.Pol. H/V	Emission Level(dBuV/m)		Limit 3m(dBuV/m)		Over(dB)	
		PK	AV	PK	AV	PK	AV
--	--	--	--	--	--	--	--

Note: the amplitude of spurious emission that is attenuated by more than 20dB below the permissible limit has no need to be reported.
Distance extrapolation factor =20log(Specific distance/ test distance)(dB);
Limit line=Specific limits(dBuV) + distance extrapolation factor

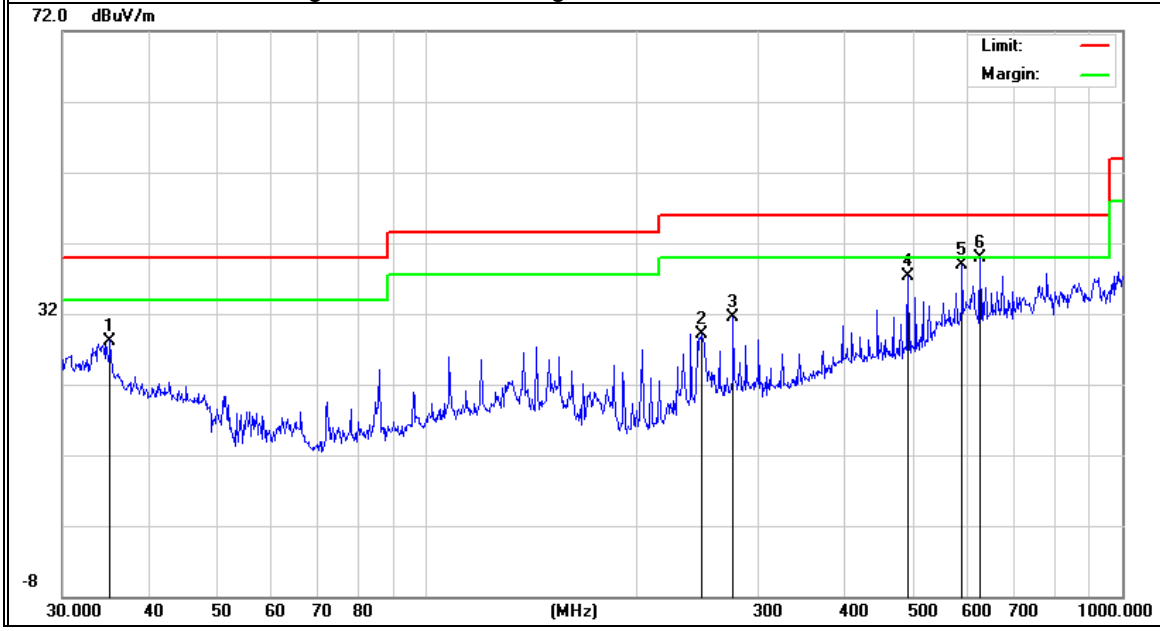
■ Spurious Emission below 1GHz (30MHz to 1GHz)

EUT：	Baby monitor	Model Name. ：	City500
Temperature：	20 ℃	Relative Humidity：	48%
Pressure：	1010 hPa	Test Voltage ：	DC 5V From Adapter AC 240V/60Hz
Test Mode ：	TX(Mode2/Mode3/Mode4)		

All the modulation modes have been tested, and the worst result was report as below:

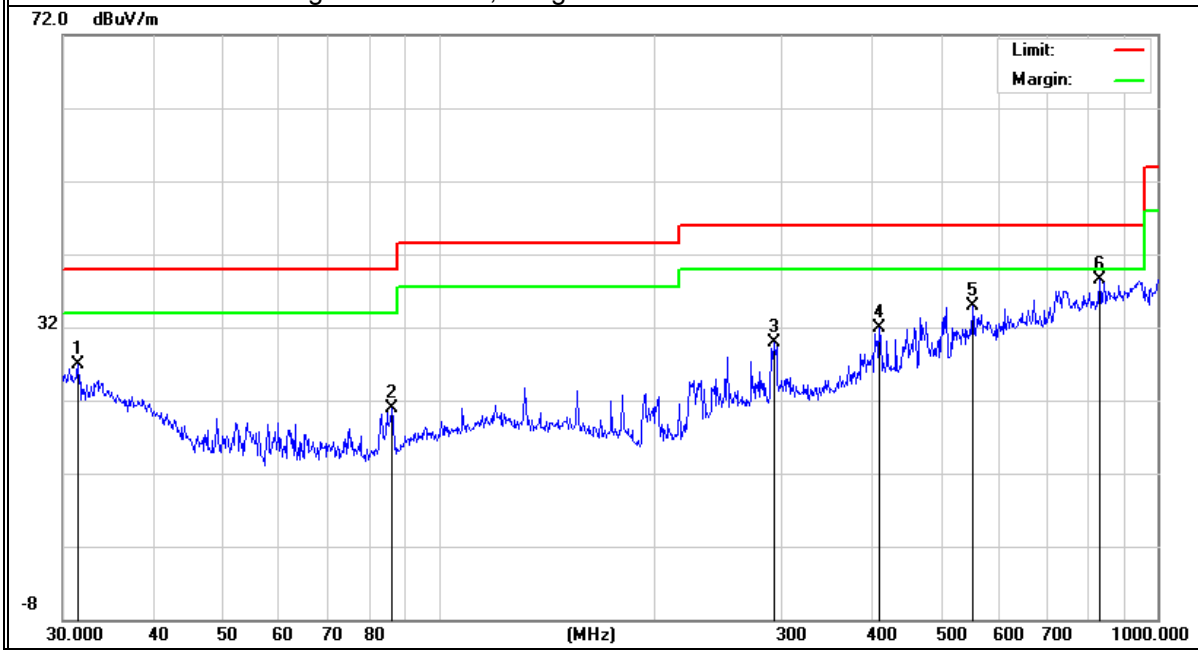
Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	35.1278	11.04	17.16	28.20	40.00	-11.80	QP
V	248.5517	14.08	15.02	29.10	46.00	-16.90	QP
V	276.1235	15.92	15.60	31.52	46.00	-14.48	QP
V	492.4685	16.01	21.29	37.30	46.00	-8.70	QP
V	588.9049	14.38	24.62	39.00	46.00	-7.00	QP
V	625.0778	14.98	25.02	40.00	46.00	-6.00	QP

Remark:
Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit



Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	31.5092	7.81	19.08	26.89	40.00	-13.11	QP
H	86.2001	11.17	9.73	20.90	40.00	-19.10	QP
H	293.0842	13.79	16.11	29.90	46.00	-16.10	QP
H	410.3824	11.63	20.37	32.00	46.00	-14.00	QP
H	552.8831	10.05	24.87	34.92	46.00	-11.08	QP
H	830.4002	9.89	28.60	38.49	46.00	-7.51	QP

Remark:
Absolute Level= ReadingLevel+ Factor, Margin= Absolute Level - Limit



Spurious Emission Above 1GHz (1GHz to 27GHz)

EUT:	Baby monitor	Model Name. ：	City500
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	TX	Test By:	Lake Xie

All the modulation modes have been tested, and the result was report as below:

Frequency	Read Level	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Remark	Comment
(MHz)	(dBμV)	(dB)	dB/m	(dB)	(dBμV/m)	(dBμV/m)	(dB)		
Low Channel (2409.75 MHz)--Above 1G									
4819.5	54.11	5.21	35.59	44.30	50.61	74.00	-23.39	Pk	Vertical
4819.5	43.27	5.21	35.59	44.30	39.77	54.00	-14.23	AV	Vertical
7229.25	51.85	6.48	36.27	44.60	50.00	74.00	-24.00	Pk	Vertical
7229.25	42.35	6.48	36.27	44.60	40.50	54.00	-13.50	AV	Vertical
4819.5	53.00	5.21	35.55	44.30	49.46	74.00	-24.54	Pk	Horizontal
4819.5	41.44	5.21	35.55	44.30	37.90	54.00	-16.10	AV	Horizontal
7229.25	49.49	6.48	36.27	44.52	47.72	74.00	-26.28	Pk	Horizontal
7229.25	43.15	6.48	36.27	44.52	41.38	54.00	-12.62	AV	Horizontal
Mid Channel (2442.375 MHz)--Above 1G									
4884.75	56.38	5.21	35.66	44.20	53.05	74.00	-20.95	Pk	Vertical
4884.75	43.81	5.21	35.66	44.20	40.48	54.00	-13.52	AV	Vertical
7327.12	53.78	7.10	36.50	44.43	52.95	74.00	-21.05	Pk	Vertical
7327.12	43.56	7.10	36.50	44.43	42.73	54.00	-11.27	AV	Vertical
4884.75	54.71	5.21	35.66	44.20	51.38	74.00	-22.62	Pk	Horizontal
4884.75	41.10	5.21	35.66	44.20	37.77	54.00	-16.23	AV	Horizontal
7327.12	50.92	7.10	36.50	44.43	50.09	74.00	-23.91	Pk	Horizontal
7327.12	41.40	7.10	36.50	44.43	40.57	54.00	-13.43	AV	Horizontal
High Channel (2475 MHz)--Above 1G									
4950.00	56.22	5.21	35.52	44.21	52.74	74.00	-21.26	Pk	Vertical
4950.00	43.11	5.21	35.52	44.21	39.63	54.00	-14.37	AV	Vertical
7425.00	53.13	7.10	36.53	44.60	52.16	74.00	-21.84	Pk	Vertical
7425.00	42.72	7.10	36.53	44.60	41.75	54.00	-12.25	AV	Vertical
4950.00	51.00	5.21	35.52	44.21	47.52	74.00	-26.48	Pk	Horizontal
4950.00	42.57	5.21	35.52	44.21	39.09	54.00	-14.91	AV	Horizontal
7425.00	49.28	7.10	36.53	44.60	48.31	74.00	-25.69	Pk	Horizontal
7425.00	40.44	7.10	36.53	44.60	39.47	54.00	-14.53	AV	Horizontal

Note: (1) All Readings are Peak Value (VBW=3MHz) and Peak Value (VBW=10Hz).
(2) Emission Level= Antenna Factor + Cable Loss + Read Level - Preamp Factor
(3) Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
(4) When PK value is lower than the Average value limit, average didn't record.

■ Spurious Emission in Restricted Band 2310-2390MHz and 2483.5-2500MHz
the worst result was report as below:

Frequency	Meter Reading	Cable Loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector	Comment
(MHz)	(dBμV)	(dB)	dB/m	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	
1Mbps Non-hopping									
2390.00	52.72	2.97	27.80	43.80	39.69	74	-34.31	Pk	Horizontal
2390.00	43.25	2.97	27.80	43.80	30.22	54	-23.78	AV	Horizontal
2390.00	52.97	2.97	27.80	43.80	39.94	74	-34.06	Pk	Vertical
2390.00	47.22	2.97	27.80	43.80	34.19	54	-19.81	AV	Vertical
2483.50	51.85	3.14	27.21	43.80	38.40	74	-35.60	Pk	Vertical
2483.50	45.69	3.14	27.21	43.80	32.24	54	-21.76	AV	Vertical
2483.50	53.99	3.14	27.21	43.80	40.54	74	-33.46	Pk	Horizontal
2483.50	47.63	3.14	27.21	43.80	34.18	54	-19.82	AV	Horizontal

(1) Emission Level= Antenna Factor + Cable Loss + Read Level - Preamp Factor

Spurious Emission in Restricted Bands 3260MMHz-18000MHz

All the modulation modes have been tested, the worst result was report as below:

Frequency (MHz)	Meter Reading (dBμV)	Cable Loss (dB)	Antenna Factor dB/m	Preamp Factor (dB)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector Type	Comment
3260.00	63.45	2.97	27.80	43.80	50.42	74	-23.58	Pk	Horizontal
3260.00	55.54	2.97	27.80	43.80	42.51	54	-11.49	AV	Horizontal
3260.00	60.96	2.97	27.80	43.80	47.93	74	-26.07	Pk	Vertical
3260	53.02	2.97	27.80	43.80	39.99	54	-14.01	AV	Vertical
3332	62.89	3.14	27.21	43.80	49.44	74	-24.56	Pk	Vertical
3332.00	55.60	3.14	27.21	43.80	42.15	54	-11.85	AV	Vertical
3332.00	63.16	3.14	27.21	43.80	49.71	74	-24.29	Pk	Horizontal
3332.00	57.77	3.14	27.21	43.80	44.32	54	-9.68	AV	Horizontal
17789	57.49	3.58	27.70	44.00	44.77	74	-29.23	Pk	Vertical
17789	53.02	3.58	27.70	44.00	40.30	54	-13.70	AV	Vertical
17957.00	57.17	3.58	27.70	44.00	44.45	74	-29.55	Pk	Horizontal
17957.00	50.37	3.58	27.70	44.00	37.65	54	-16.35	AV	Horizontal

When PK value is lower than the Average value limit, average values isn't recorded.

7.3 6DB BANDWIDTH

7.3.1 Applicable Standard

According to FCC Part 15.247(a)(2) and KDB 558074 DTS 01 Meas. Guidance v03r05

7.3.2 Conformance Limit

The minimum permissible 6dB bandwidth is 500 kHz.

7.3.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.3.4 Test Setup

Please refer to Section 6.1 of this test report.

7.3.5 Test Procedure

The testing follows KDB 558074 DTS 01 Meas. Guidance v03r05
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.
Set to the maximum power setting and enable the EUT transmit continuously.
The EUT was operating in controlled its channel.
Use the following spectrum analyzer settings:
Span = the frequency band of operation
RBW = 100KHz
VBW ≥ 3*RBW
Sweep = auto
Detector function = peak
Trace = max hold

7.3.6 Test Results

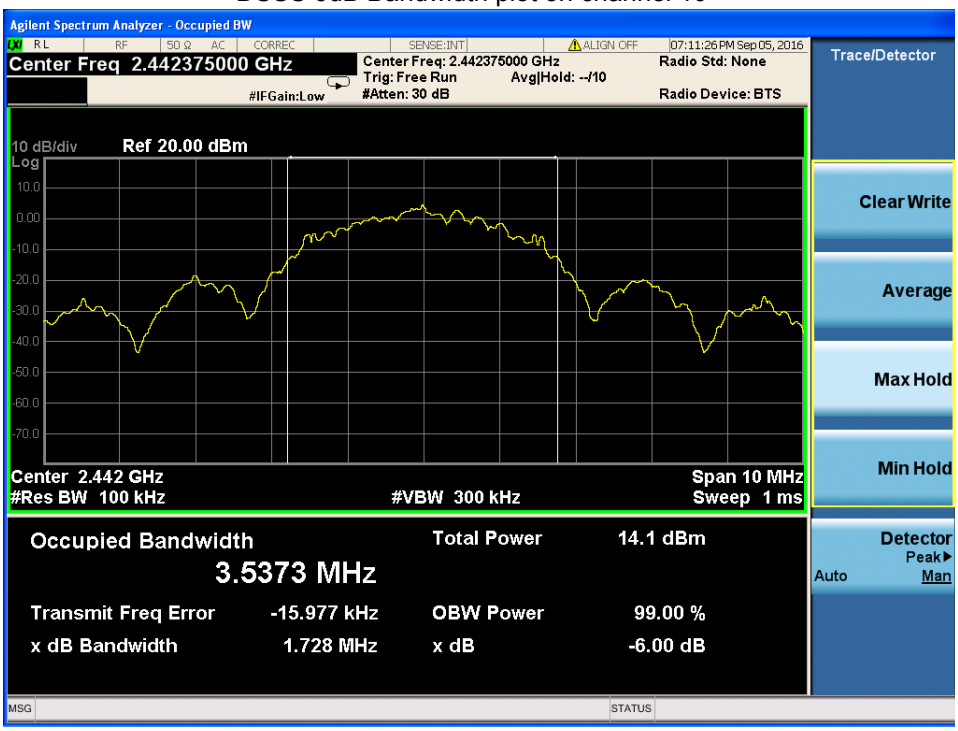
EUT:	Baby monitor	Model Name. ：	City500
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode 2/3/4	Test By:	Lake Xie

Mode	Channel	Frequency (MHz)	6dB bandwidth (MHz)	Limit (kHz)	Result
DSSS	Low	2409.75	1.599	500	Pass
	Middle	2442.375	1.728	500	Pass
	High	2475	1.607	500	Pass

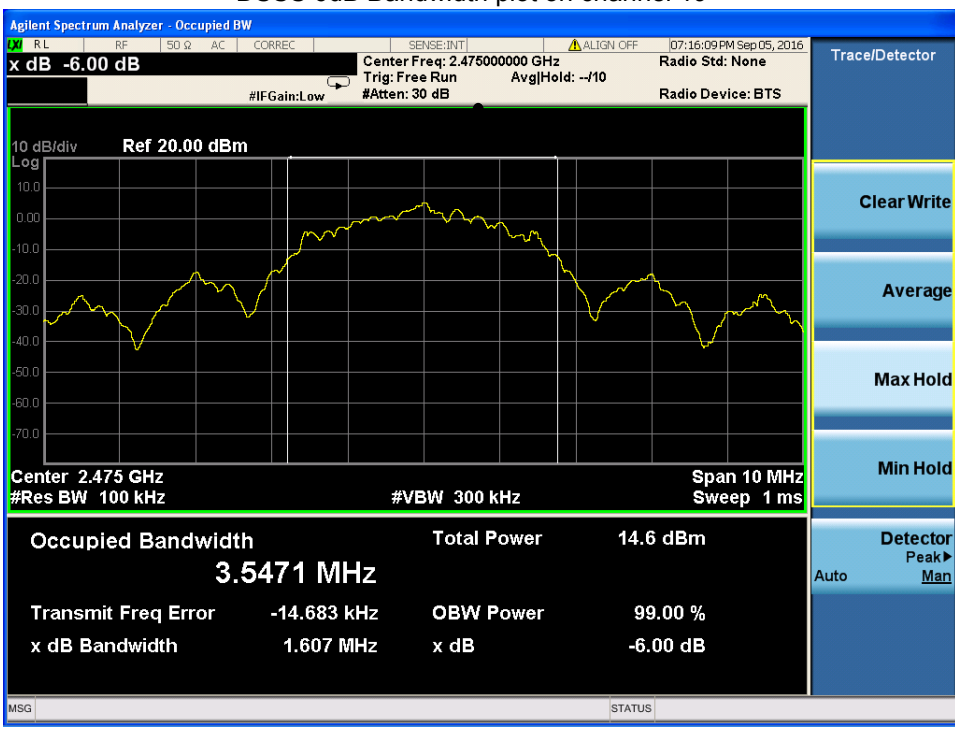
Test plot

DSSS 6dB Bandwidth plot on channel 01

DSSS 6dB Bandwidth plot on channel 10



DSSS 6dB Bandwidth plot on channel 19



7.4 20DB BANDWIDTH

7.4.1 Applicable Standard

According to FCC Part 15.247(a)(2) and KDB 558074 DTS 01 Meas. Guidance v03r05

7.4.2 Conformance Limit

N/A

7.4.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.4.4 Test Setup

Please refer to Section 6.1 of this test report.

7.4.5 Test Procedure

The testing follows KDB 558074 DTS 01 Meas. Guidance v03r05
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.
Set to the maximum power setting and enable the EUT transmit continuously.
The EUT was operating in controlled its channel.
Use the following spectrum analyzer settings:
Span = the frequency band of operation
RBW = 300KHz
VBW ≥ 3*RBW
Sweep = auto
Detector function = peak
Trace = max hold

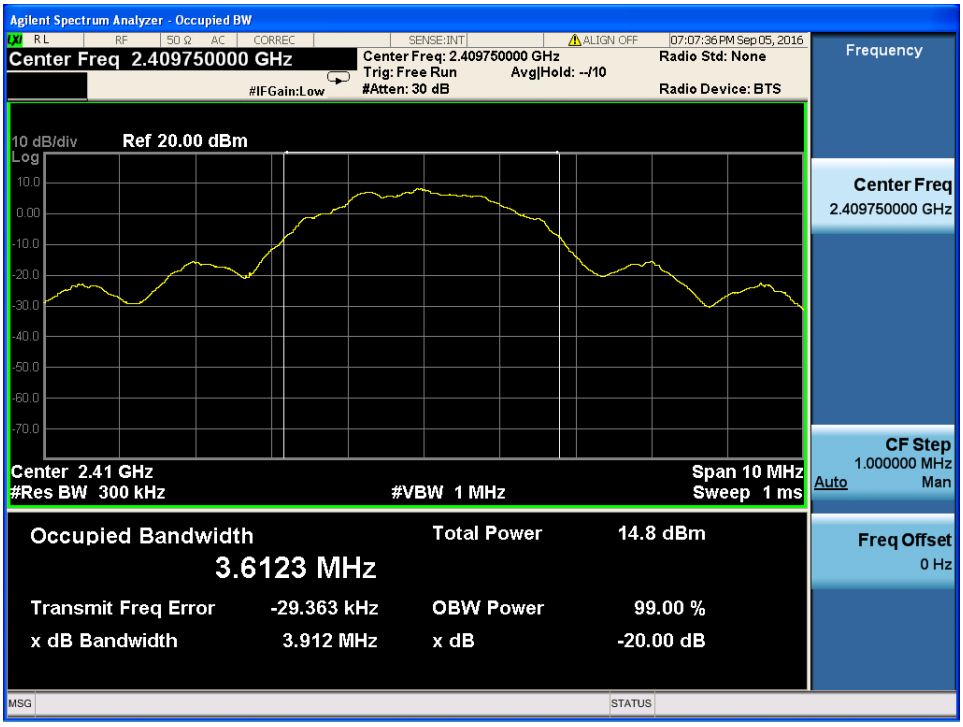
7.4.6 Test Results

EUT:	Baby monitor	Model Name. ：	City500
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode 2/3/4	Test By:	Lake Xie

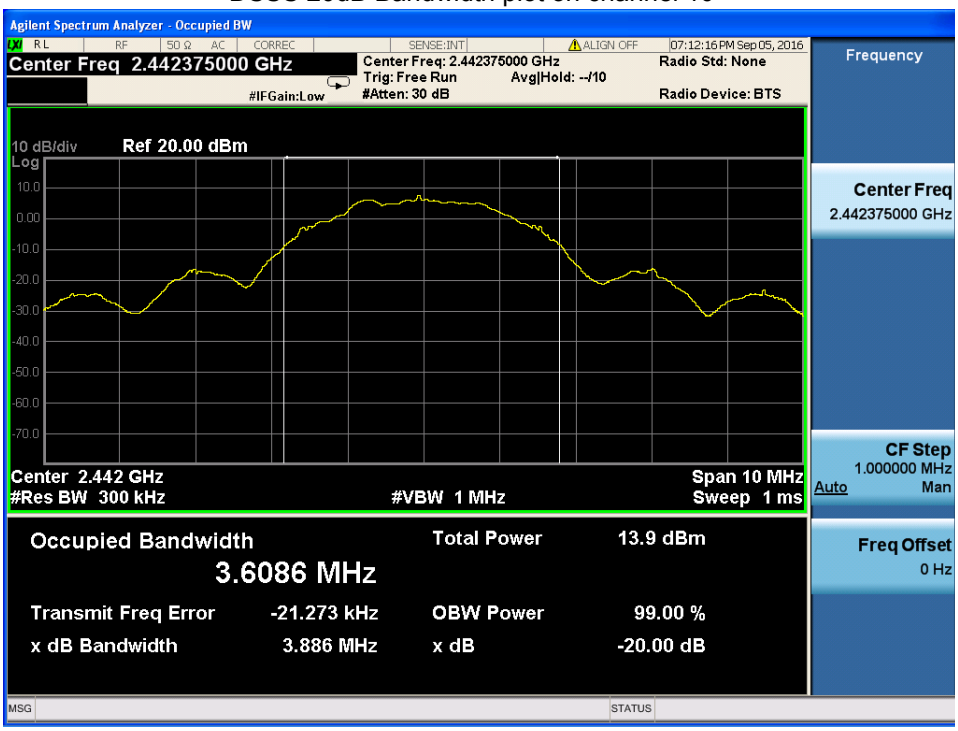
Mode	Channel	Frequency (MHz)	-20dB bandwidth (MHz)	Result
DSSS	Low	2409.75	3.912	Pass
	Middle	2442.375	3.886	Pass
	High	2475	3.898	Pass

Test plot

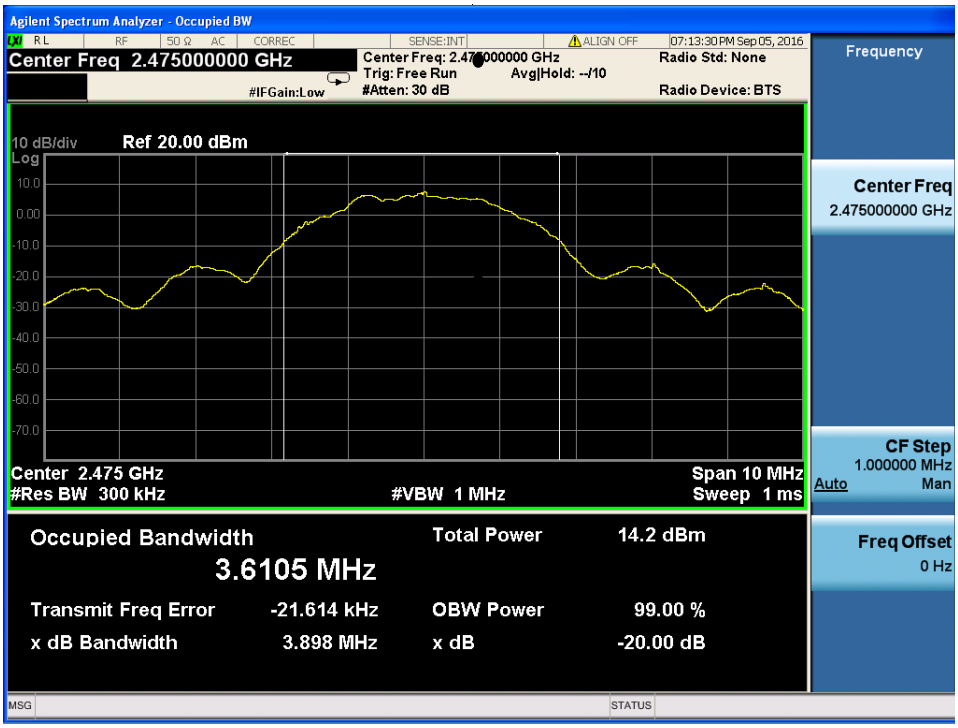
DSSS 20dB Bandwidth plot on channel 01



DSSS 20dB Bandwidth plot on channel 10



DSSS 20dB Bandwidth plot on channel 19



7.5 DUTY CYCLE

7.5.1 Applicable Standard

According to KDB 558074)6)b), issued 06/09/2015

7.5.2 Conformance Limit

No limit requirement.

7.5.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.5.4 Test Setup

Please refer to Section 6.1 of this test report.

7.5.5 Test Procedure

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission. Set RBW $\geqslant$ OBW if possible; otherwise, set RBW to the largest available value. Set VBW $\geqslant$ RBW. Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T $\leqslant$ 16.7 microseconds.)

The transmitter output is connected to the Spectrum Analyzer. We tested accroding to the zero-span measurement method, 6.0)b) in KDB 558074(issued 06/09/2015)

The largest availble value of RBW is 8 MHz and VBW is 50 MHz. The zero-span method of measuring duty cycle shall not be used if T $\leqslant$ 6.25 microseconds. (50/6.25 = 8)

The zero-span method was used because all measured T data are > 6.25 microseconds and both RBW and VBW are > 50/T.

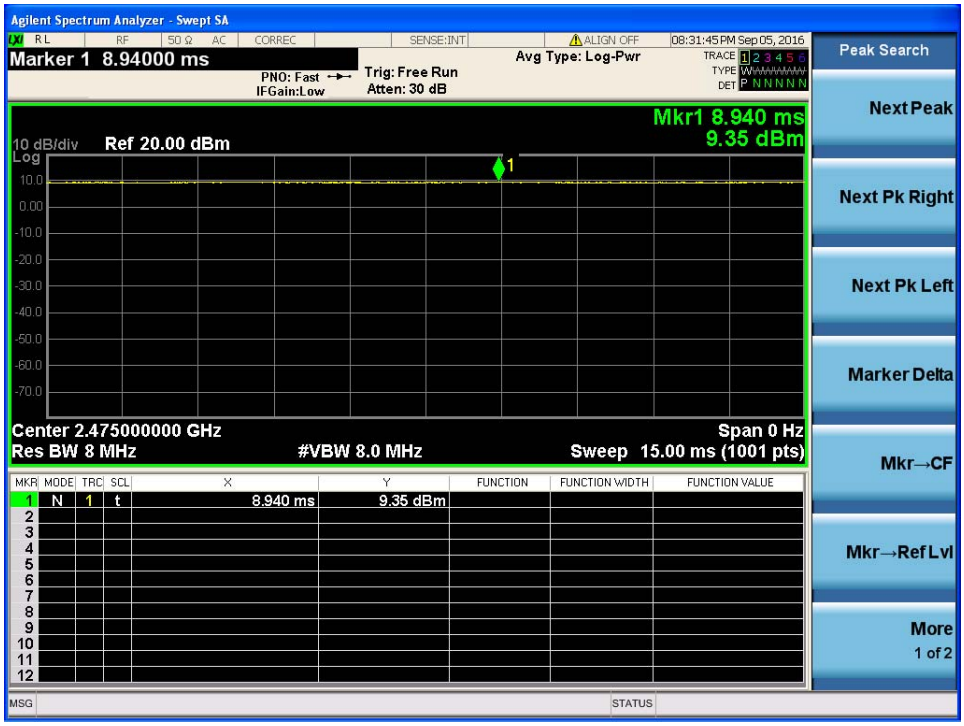
The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
Set to the maximum power setting and enable the EUT transmit continuously.
The EUT was operating in controlled its channel.
Use the following spectrum analyzer settings:
Span = Zero Span
RBW = 8MHz(the largest available value)
VBW = 8MHz ($\geq$ RBW)
Number of points in Sweep >100
Detector function = peak
Trace = Clear write
Measure T_{total} and T_{on}
Calculate Duty Cycle = T_{on} / T_{total} and Duty Cycle Factor=10*log(1/Duty Cycle)

7.5.6 Test Results

EUT:	Baby monitor	Model Name. ：	City500
Temperature:	20℃	Relative Humidity:	48%
Test Mode:	TX	Test By:	Lake Xie

Test Results

Mode	Channel	T_{on}	T_{total}	Duty Cycle %	Duty Cycle Factor (dB)
DSSS	19	8.94	8.94	1	0.00



7.6 MAXIMUM OUTPUT POWER

7.6.1 Applicable Standard

According to FCC Part 15.247(b)(3) and KDB 558074 DTS 01 Meas. Guidance v03r05

7.6.2 Conformance Limit

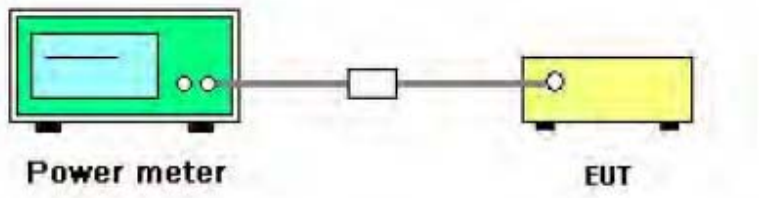
The maximum peak conducted output power of the intentional radiator for systems using digital modulation in the 2400 - 2483.5 MHz bands shall not exceed: 1 Watt (30dBm). If transmitting antenna of directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

7.6.3 Measuring Instruments

The following table is the setting of the power meter.

Power Meter Parameter	Setting
Detector	Average

7.6.4 Test Setup



7.6.5 Test Procedure

1. Test procedures refer KDB 558074 D01 v03r05 section 9.2.3.2 Measurement using a power meter (PM).
2. Alternatively, measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since this measurement is made only during the ON time of the transmitter, no duty cycle correction is required.

3. Multiple antenna system was performed in accordance with KDB 662911 D01 v02r01 Emissions Testing of Transmitters with Multiple Outputs in the Same Band.

7.6.6 EUT opration during Test

The EUT was programmed to be in continuously transmitting mode.

7.6.7 Test Results

EUT:	Baby monitor	Model Name. ：	City500
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/3/4	Test By:	Lake Xie

Mode	Channel	Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
DSSS	Low	2409.75	14.82	30.00	Pass
	Middle	2442.375	14.08	30.00	Pass
	High	2475	14.07	30.00	Pass

7.7 POWER SPECTRAL DENSITY

7.7.1 Applicable Standard

According to FCC Part 15.247(e) and KDB 558074 DTS 01 Meas. Guidance v03r05

7.7.2 Conformance Limit

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

7.7.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.7.4 Test Setup

Please refer to Section 6.1 of this test report.

7.7.5 Test Procedure

The testing follows Measurement Procedure 10.3 Method AVGPSD of FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r05
This procedure may be used when the maximum (average) conducted output power was used to demonstrate compliance to the output power limit. This is the baseline method for determining the maximum (average) conducted PSD level. If the instrument has an RMS power averaging detector, it must be used; otherwise, use the sample detector. The EUT must be configured to transmit continuously (duty cycle ≥ 98%); otherwise sweep triggering/signal gating must be implemented to ensure that measurements are made only when the EUT is transmitting at its maximum power control level (no transmitter off time is to be considered).
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.
Set to the maximum power setting and enable the EUT transmit continuously.
The EUT was operating in controlled its channel.
a) Set instrument center frequency to DTS channel center frequency.
b) Set span to at least 1.5 times the OBW.
c) Set RBW to: 3 kHz ≤ RBW ≤ 100 kHz. .
d) Set VBW ≥3 x RBW.
e) Detector = power averaging (RMS) or sample detector (when RMS not available).
f) Ensure that the number of measurement points in the sweep ≥ 2 x span/RBW.
g) Sweep time = auto couple.
h) Employ trace averaging (RMS) mode over a minimum of 100 traces.
i) Use the peak marker function to determine the maximum amplitude level.
j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat (note that this may require zooming in on the emission of interest and reducin

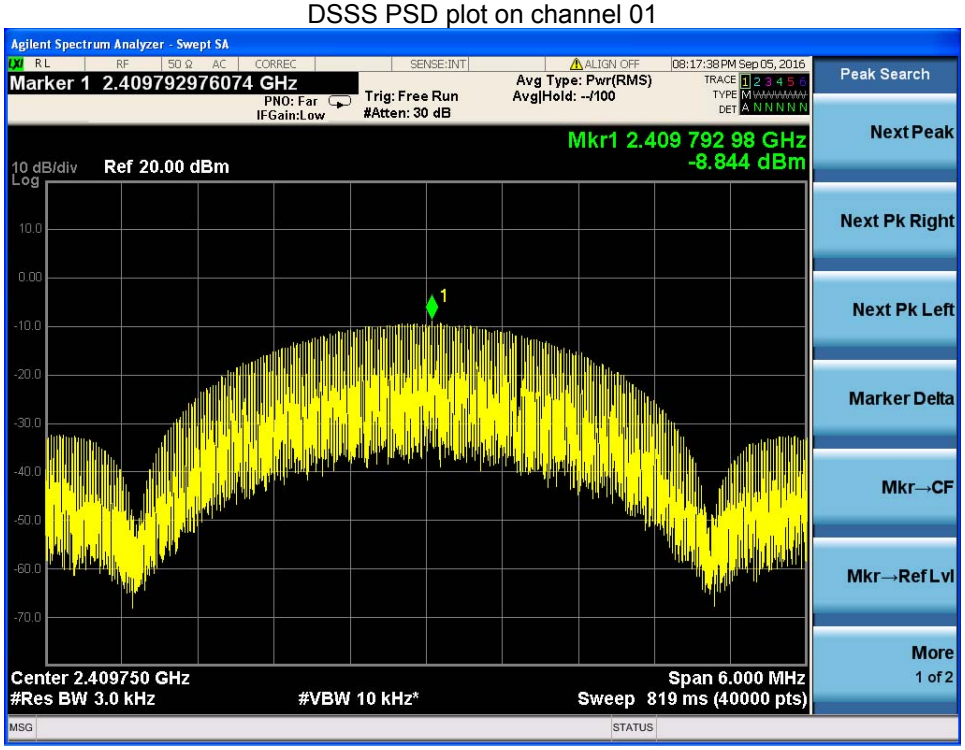
7.7.6 Test Results

EUT:	Baby monitor	Model Name. ：	City500
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/3/4	Test By:	Lake Xie

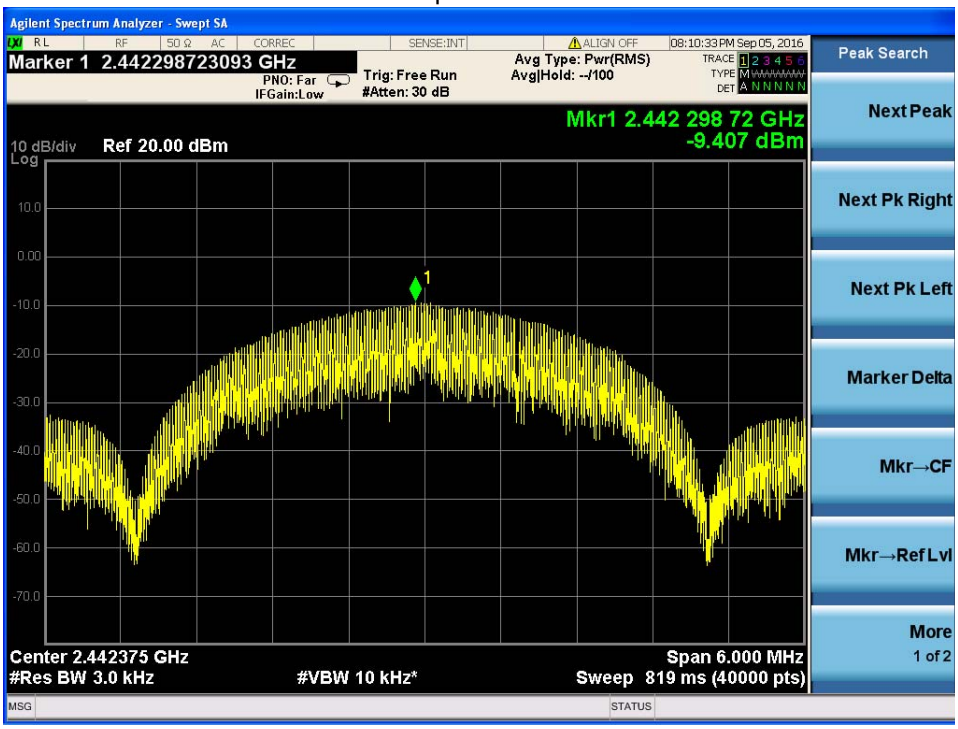
Mode	Channel	Frequency (MHz)	Power Density (dBm/3KHz)	Limit (dBm/3KHz)	Result
DSSS	Low	2409.75	-8.844	8.00	Pass
	Middle	2442.375	-9.407	8.00	Pass
	High	2475	-9.992	8.00	Pass

Test plot

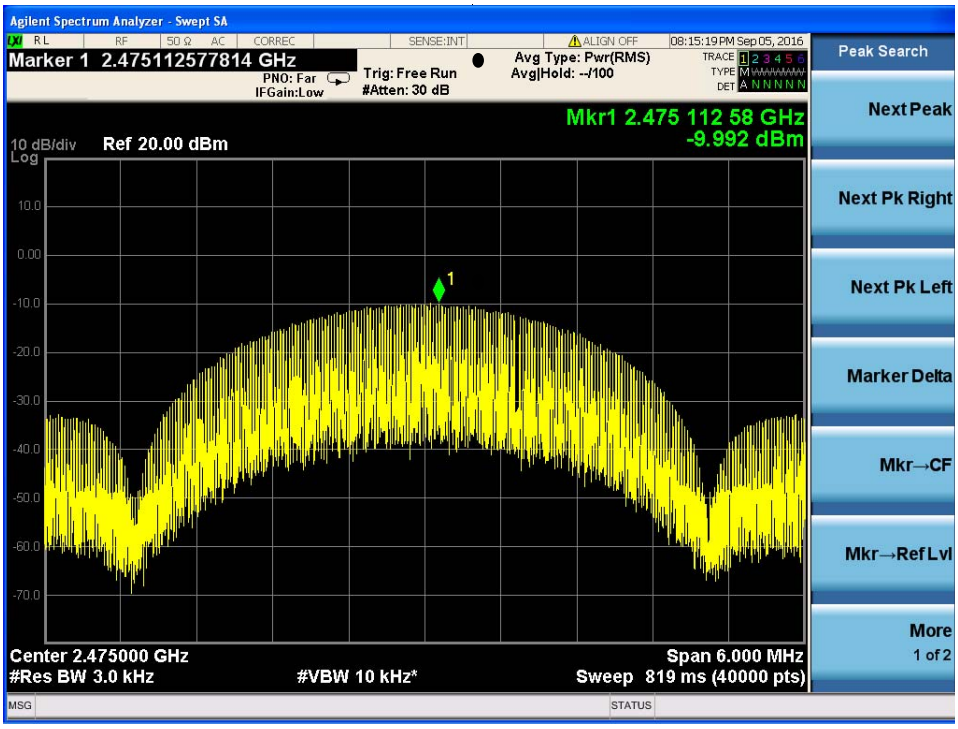
DSSS PSD plot on channel 01



DSSS PSD plot on channel 10



DSSS PSD plot on channel 19



7.8 CONDUCTED BAND EDGE MEASUREMENT

7.8.1 Applicable Standard

According to FCC Part 15.247(d) and KDB 558074 DTS 01 Meas. Guidance v03r04

When performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below. The integration method described below can be used when performing conducted or radiated average measurements.

7.8.2 Conformance Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

7.8.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.8.4 Test Setup

Please refer to Section 6.1 of this test report.

7.8.5 Marker-delta method

The marker-delta method, as described in ANSI C63.10, can be used to perform measurements of the radiated unwanted emissions level at the band-edges provided that the 99% OBW of the fundamental emission is within 2 MHz of the authorized band edge.

7.8.6 Integration method

The following procedures may be used to determine the average power or power density of any unwanted emission. Use the procedure described in 13.3.1 when the EUT can be configured to transmit continuously (i.e., duty cycle ≥ 98%). Use the procedure described in 13.3.2 when the EUT cannot be configured to transmit continuously but the duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent). Use the procedure described in 13.3.3 when the EUT cannot be configured to transmit continuously and the duty cycle is not constant (duty cycle variations equal or exceed 2 percent).

7.8.5 Test Setup

Reference level measurement
Establish a reference level by using the following procedure:
a) Set instrument center frequency to DTS channel center frequency.
b) Set the span to ≥ 1.5 times the DTS bandwidth.
c) Set the RBW = 100 kHz.
d) Set the VBW ≥ 3 x RBW.
e) Detector = peak.
f) Sweep time = auto couple.
g) Trace mode = max hold.
h) Allow trace to fully stabilize.
i) Use the peak marker function to determine the maximum PSD level.
Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

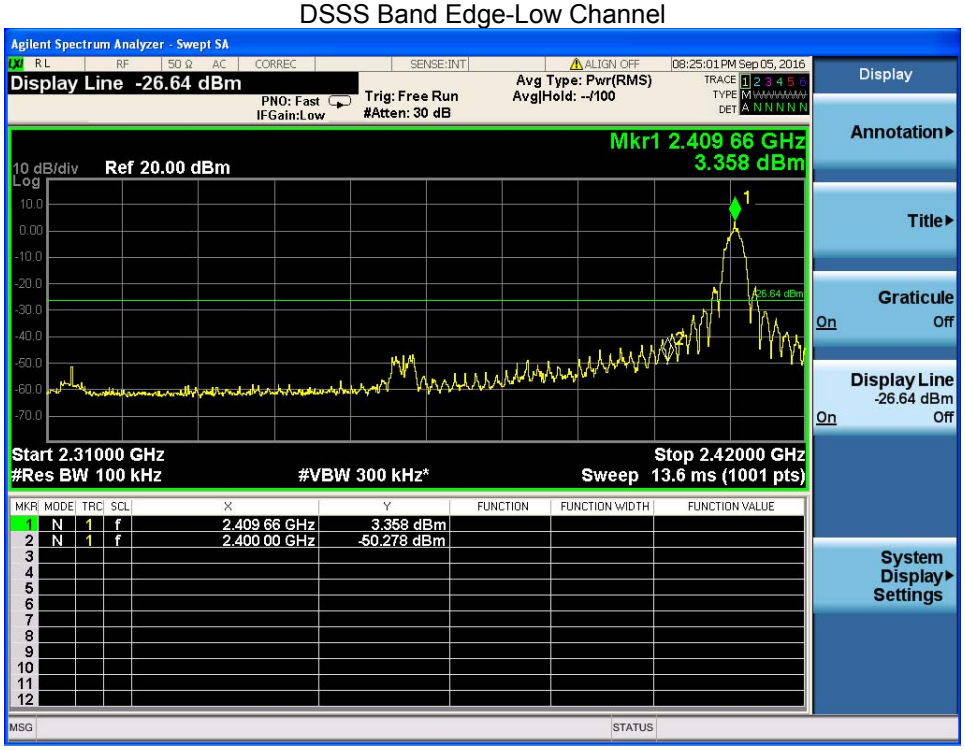
Emission level measurement
a) Set the center frequency and span to encompass frequency range to be measured.
b) Set the RBW = 100 kHz.
c) Set the VBW ≥ 3 x RBW.
d) Detector = peak.
e) Sweep time = auto couple.
f) Trace mode = max hold.
g) Allow trace to fully stabilize.
h) Use the peak marker function to determine the maximum amplitude level.
Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) are attenuated by at least the minimum requirements specified in 11.1 a) or 11.1 b). Report the three highest emissions relative to the limit.

7.8.6 Test Results

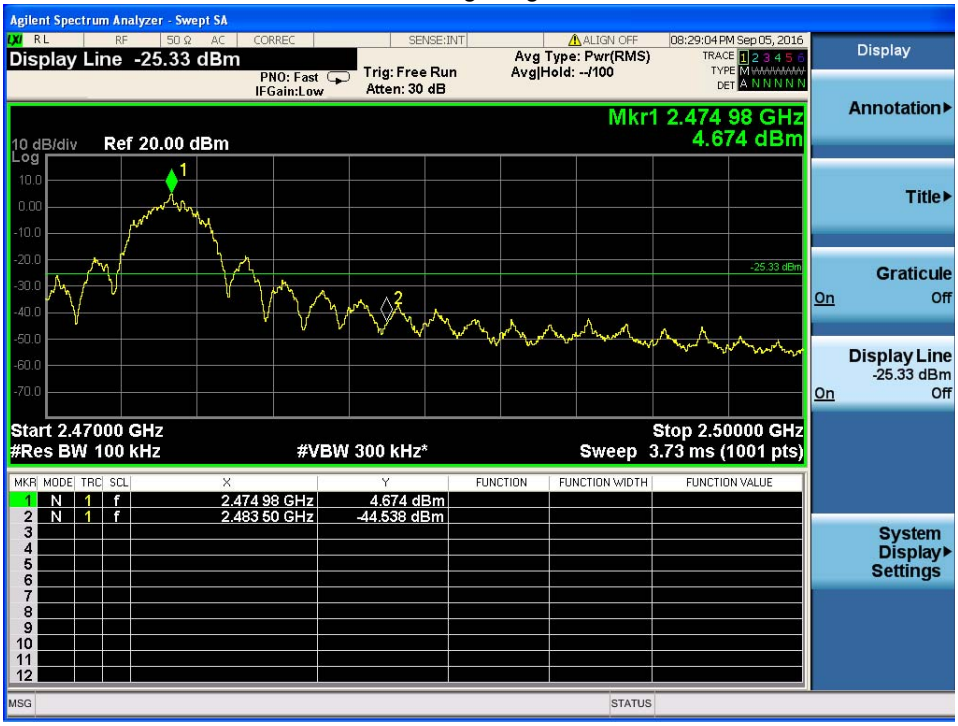
EUT:	Baby monitor	Model Name. ：	City500
Temperature:	20 ℃	Relative Humidity:	48%
Test Mode:	Mode2/3/4	Test By:	Lake Xie

Test plot

DSSS Band Edge-Low Channel



DSSS Band Edge-High Channel



7.9 ANTENNA APPLICATION

7.9.1 Antenna Requirement

15.203 requirement: For intentional device, according to 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.

7.9.2 Result

The EUT antenna is Internal Antenna. It comply with the standard requirement.

END OF REPORT