FCC PART 15C TEST REPORT FOR CERTIFICATION
On Behalf of

IMODESTY TECHNOLOGY CORP.

Baby Monitor

Model Number: MB920T

FCC ID: 2AAGOMB920T

Prepared for : IMODESTY TECHNOLOGY CORP.
3F-1, No.76, Sec.2 Jiafeng S.Rd., Zhubei City,
Hsin-Chu County 302, Taiwan

Prepared By : EST Technology Co., Ltd.
Santun(guantai Road), Houjie Town, DongGuan City,
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Report Number: ESTE-R1310045
Date of Test : October 11~ 27, 2013
Date of Report : October 30, 2013

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Test Report Verification

Applicant: **Address:**	IMODESTY TECHNOLOGY CORP. 3F-1, No.76, Sec.2 Jiafeng S.Rd., Zhubei City, Hsin-Chu County 302, Taiwan
Manufacturer **Address:**	IMODESTY TECHNOLOGY CORP. 3F-1, No.76, Sec.2 Jiafeng S.Rd., Zhubei City, Hsin-Chu County 302, Taiwan
E.U.T:	Baby Monitor
Model Number:	MB920T
Power Supply:	DC 6V From Adapter Input AC 100-240V~50/60Hz
Test Voltage:	DC 24V From Adapter Input AC 120V/60Hz
Trade Name:	MODESTY Serial No.: ------
Date of Receipt:	October 11, 2013 Date of Test: October 11~ 27, 2013
Test Specification:	FCC Rules and Regulations Part 15 Subpart C:2012 ANSI C63.4:2009
Test Result:	The device described above is tested by EST Technology Co., Ltd.. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the ETSI EN FCC Rules and Regulations Part 15 Subpart C requirements. This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd. Date: October 30, 2013

Prepared by:	Tested by:	Approved by:
Ada / Assistant	Tony.Tang/ Engineer	IcemanHu / Manager

Other Aspects:

None.

Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested

This test report is based on a single evaluation of one sample of above mentioned products ,It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd.

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Product Name : Baby Monitor

Model Number : MB920T

FCC ID : 2AAGOMB920T

Operation frequency : 2408.625MHz~2469.375MHz

Number of channel : 18

Antenna : Dipole antenna, 0.3 dBi gain

Modulation : FHSS (GFSK)

Sample Type : Prototype production

2. SUMMARY OF TEST

2.1. Summary of test result

Description of Test Item	Standard	Results
Maximum Peak Output Power	FCC Part 15: 15.247(b)(1) DA 00-705	PASS
20dB Bandwidth	FCC Part 15: 15.215 DA 00-705	PASS
Carrier Frequency Separation	FCC Part 15: 15.247(a)(1) DA 00-705	PASS
Number Of Hopping Channel	FCC Part 15: 15.247(a)(1)(iii) DA 00-705	PASS
Dwell Time	FCC Part 15: 15.247(a)(1)(iii) DA 00-705	PASS
Radiated Emission	FCC Part 15: 15.209 FCC Part 15: 15.247(d) ANSI C63.4: 2003 DA 00-705	PASS
Band Edge Compliance	FCC Part 15: 15.247(d) DA 00-705	PASS
Power Line Conducted Emissions	FCC Part 15: 15.207 ANSI C63.4: 2003 DA 00-705	PASS
Antenna requirement	FCC Part 15: 15.203	PASS

2.2. Test Facilities

EMC Lab : Certificated by CNAL, CHINA
Registration No.: L5288
Date of registration: October 28, 2011

Certificated by FCC, USA
Registration No.: 989591
Date of registration: December 07, 2010

Certificated by Industry Canada
Registration No.: 46405-9405
Date of registration: December 16, 2010

Certificated by VCCI, Japan
Registration No.: R-3663 & C-4103
Date of registration: July 25, 2011

Certificated by TUV Rheinland, Germany
Registration No.: UA 50195514 0001
Date of registration: January 07, 2011

Certificated by TUV/PS, Shenzhen
Registration No.: SCN1017
Date of registration: January 27, 2011

Certificated by Intertek ETL SEMKO
Registration No.: 2011-RTL-L1-18
Date of registration: April 28, 2011

Certificated by Siemic, Inc.
Registration No.: SLCN021
Date of registration: November 8, 2011

Certificated by Nemko, Hong Kong
Registration No.: 175193
Date of registration: May 4, 2011

Name of Firm : EST Technology Co., Ltd.

Site Location : San Tun Management Zone, Houjie Town, Dongguan, Guangdong, China

2.3. Assistant equipment used for test

2.3.1. Adapter 1

M/N	:	CS6D060080FU	
Input	:	AC 100-240V~50/60Hz	200mA Max
Output	:	DC 6V/800mA	

2.4. Block Diagram

For radiated emissions test: EUT was placed on a turn table, which is 0.8 meter high above ground.EUT was be set into BT test mode by software before test.

(EUT: Baby Monitor)

2.5. Test mode

The test software was used to control EUT work in Continuous TX mode, and select test channel, wireless mode

Mode	Channel	Frequency
GFSK	Low	2408.625MHz
	Middle	2436.750MHz
	High	2469.375MHz

2.6. Channel List for FHSS

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2408.625	10	2440.125
2	2412.000	11	2444.625
3	2415.375	12	2448.000
4	2418.750	13	2451.375
5	2423.250	14	2454.750
6	2426.625	15	2458.125
7	2430.000	16	2462.625
8	2433.375	17	2466.000
9	2436.750	18	2469.375

2.7. Test Equipment

2.7.1. For conducted emission test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESHS30	832354	May,30,13	1 Year
Artificial Mains Networ	Rohde & Schwarz	ENV216	101260	May,30,13	1 Year
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	101100	July.25,13	1 Year

2.7.2. For radiated emission test(30-1000MHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESVS10	100004	May,30,13	1 Year
Spectrum Analyzer	Agilent	E4411B	MY50140697	May,30,13	1 Year
Bilog Antenna	Teseq	CBL 6111D	25872	Nov,08,12	1.5 Year
Signal Amplifier	Agilent	310N	187037	July.25,13	1 Year

2.7.3. For radiated emission test(above 1GHz)

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Temperature controller	Terchy	MHQ	120	May.08,13	1 Year
Spectrum Analyzer	Agilent	E4408B	MY44211139	May.08,13	1 Year
Vector Signal Generator	R&S	SMBV100A	1407.6004K02	May.08,13	1 Year
Double Ridged Horn Antenna	R&S	HF907	100276	Jan.16.13	2 Year
Double Ridged Horn Antenna	R&S	HF907	100268	Jan.16.13	2 Year
Log-periodic Dipole Antenna	R&S	HL223	100435	Jan.16.13	2 Year
Biconical Antenna	R&S	HK116	100431	Jan.16.13	2 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	9163-462	Jan.16.13	2 Year
Pre-amplifer	AH	PAM-0118	10008	May.08,13	1 Year
Pre-amplifer	R&S	SCU-01	10049	May.08,13	1 Year
High Pass filter	Micro	HPM50111	324455	May.08,13	1 Year
RF Cable	Hubersuhner	W10.02	534096	May.08,13	1 Year
RF Cable	Hubersuhner	W10.02	534123	May.08,13	1 Year
RF Cable	Hubersuhner	RG 214/U	513423	May.08,13	1 Year
RF Cable	Hubersuhner	RG 214/U	523455	May.08,13	1 Year

3. MAXIMUM PEAK OUTPUT POWER

3.1. Limit

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts, the e.i.r.p shall not exceed 4W

3.2. Test Procedure

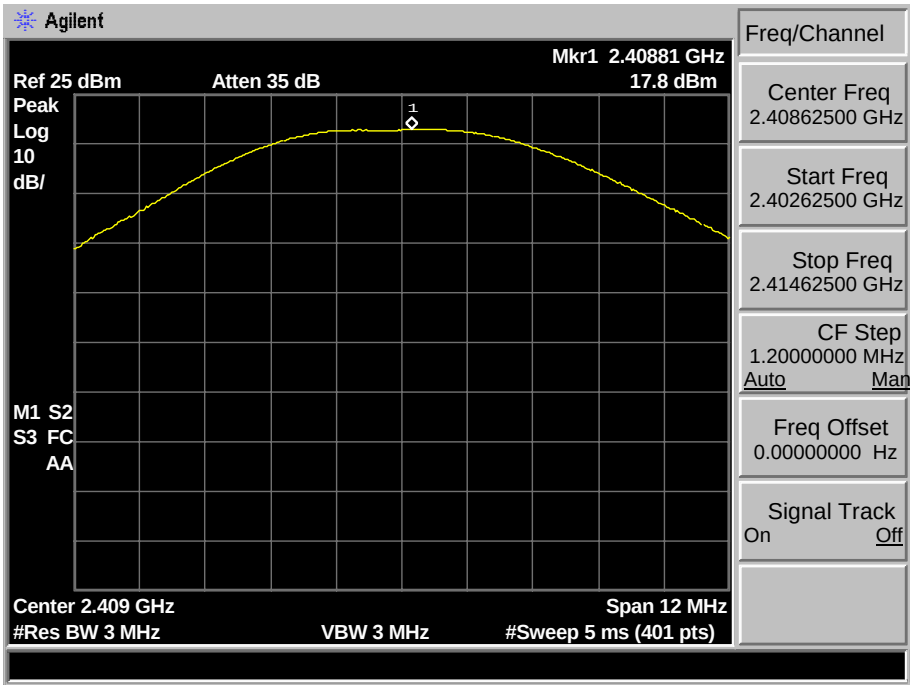
The transmitter output (antenna port) was connected to the spectrum analyzer

3.3. Test Result

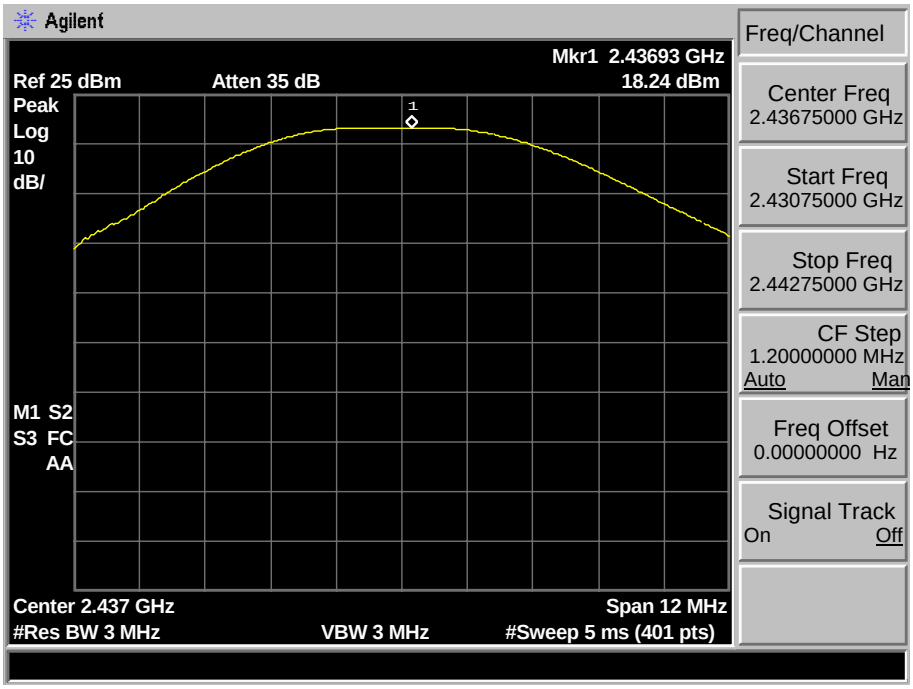
EUT: Baby Monitor M/N: MB920T					
Test date: 2013-10-22		Test site: RF site	Tested by: Tony Tang		
Mode	Freq (MHz)	Result (dBm)	Limit		Margin (dB)
			dBm	W	
GFSK	2408.625	17.80	21.00	0.125	3.20
	2436.750	18.24	21.00	0.125	2.76
	2469.375	18.20	21.00	0.125	2.80
Conclusion: PASS					

3.4. Test Data

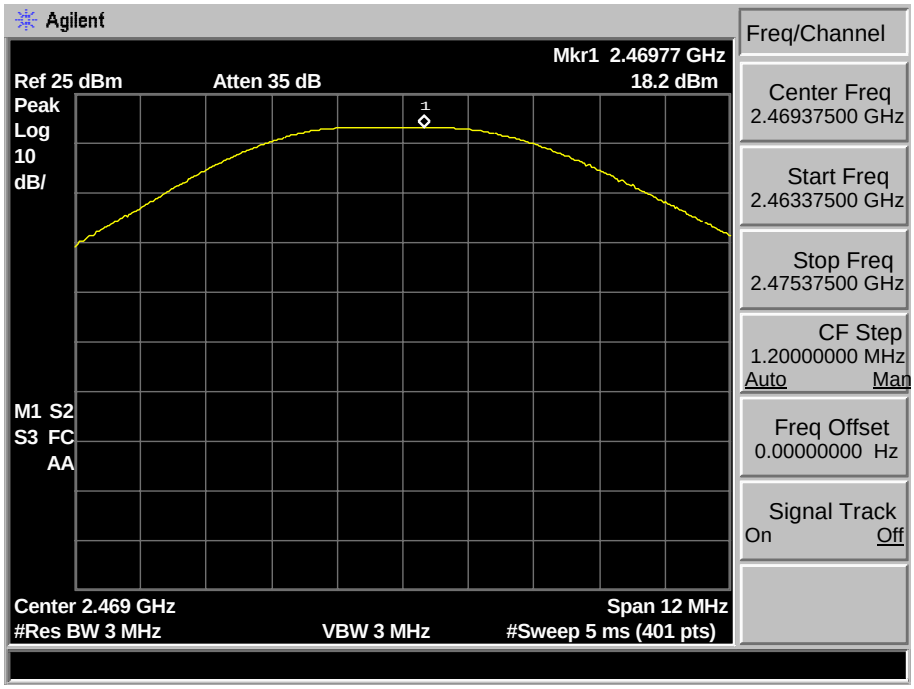
GFSK 2408.625 MHz



GFSK 2436.750 MHz



GFSK 2469.375 MHz



4. 20 DB BANDWIDTH

4.1. Limit

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

4.2. Test Procedure

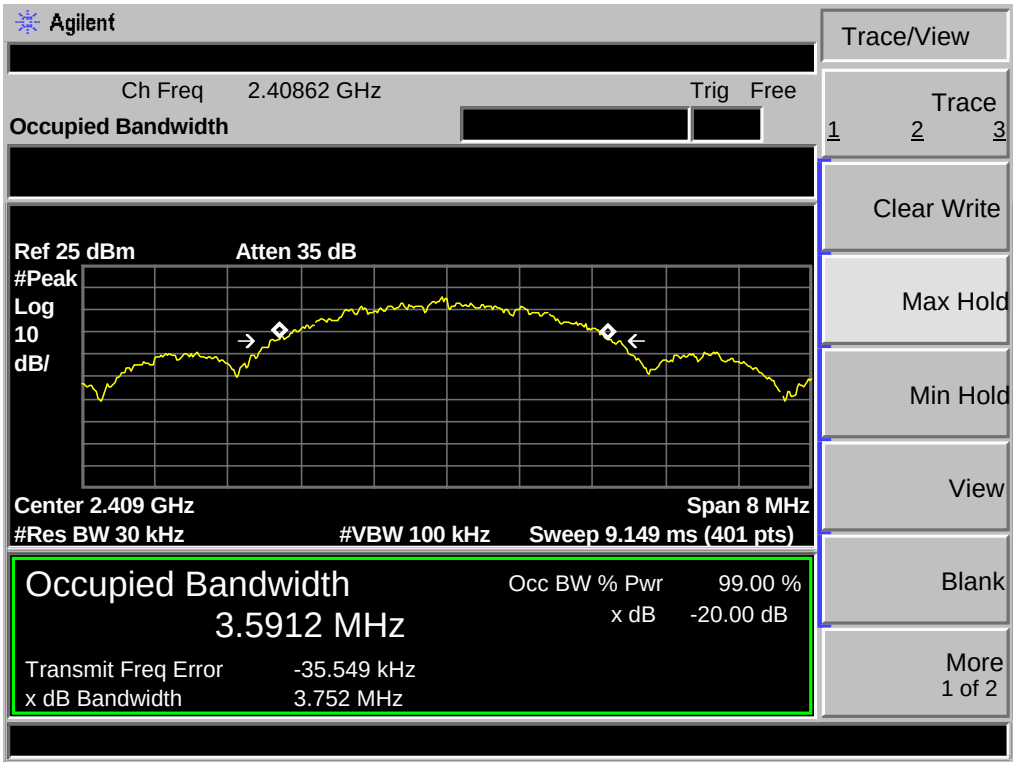
The transmitter output was coupled to a spectrum analyzer via a antenna. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30kHz RBW and 300kHz VBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

4.3. Test Result

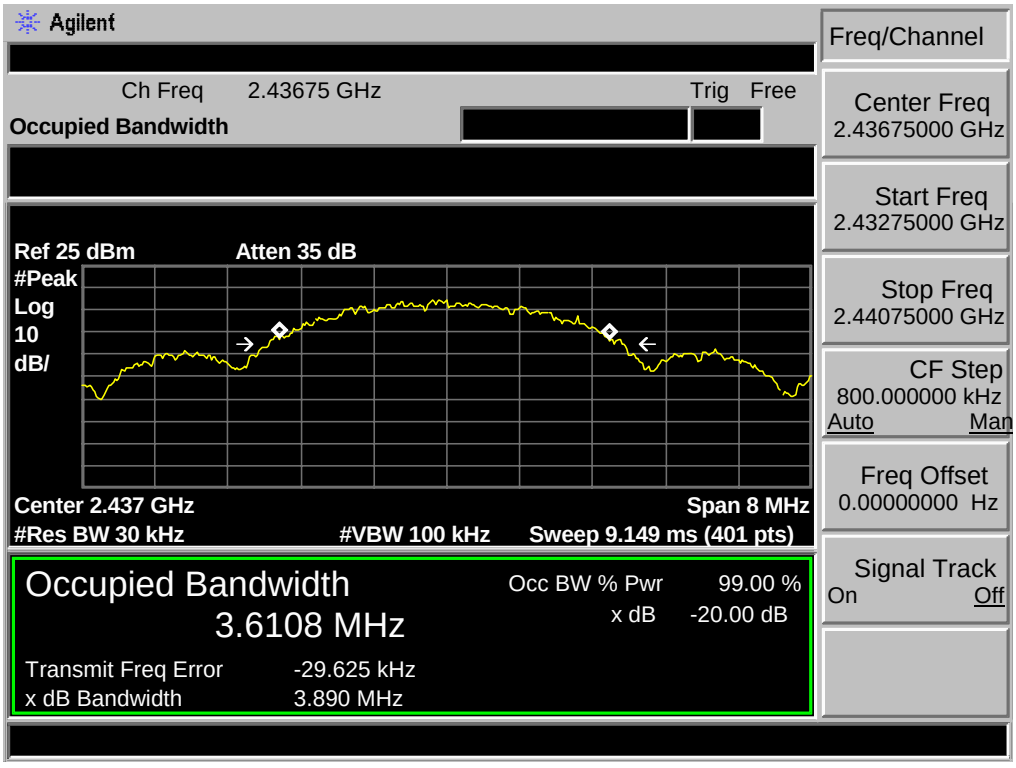
EUT: Baby Monitor M/N: MB920T				
Test date: 2013-10-22		Test site: RF site		Tested by: Tony Tang
Mode	Freq (MHz)	20dB Bandwidth (MHz)	Limit (kHz)	Conclusion
GFSK	2408.625	3.752	/	PASS
	2436.750	3.890	/	PASS
	2469.375	3.882	/	PASS

4.4. Test Data

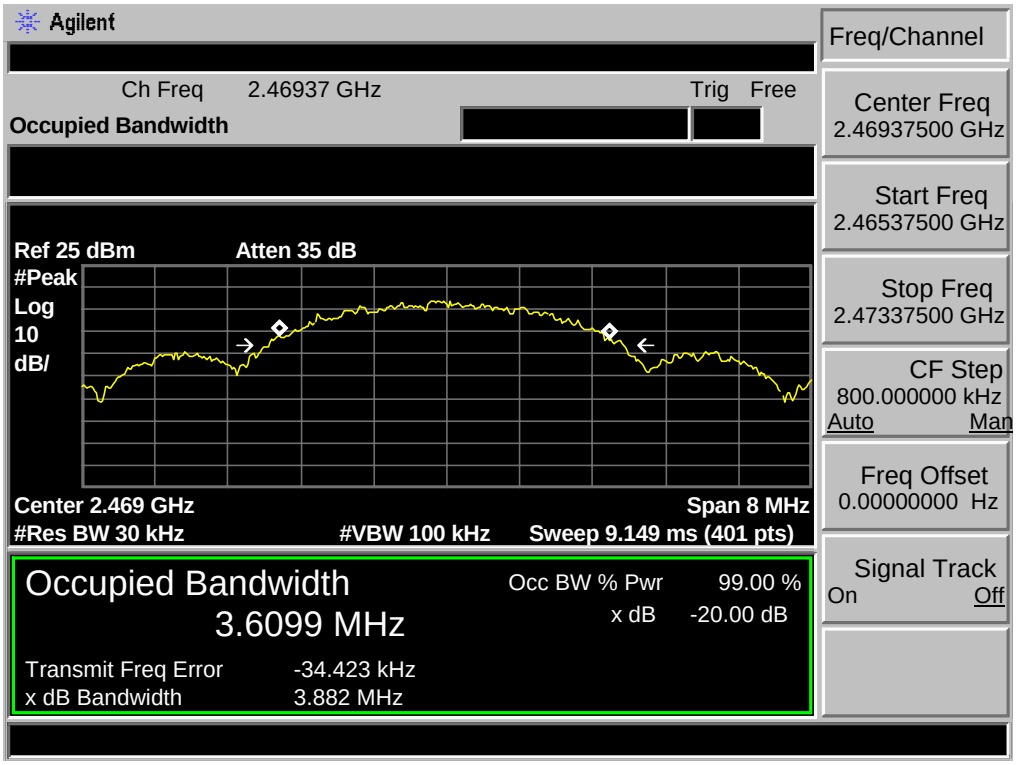
GFSK 2408.625MHz



GFSK 2436.750MHz



GFSK 2469.375MHz



5. CARRIER FREQUENCY SEPARATION

5.1. Limit

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW

5.2. Test Procedure

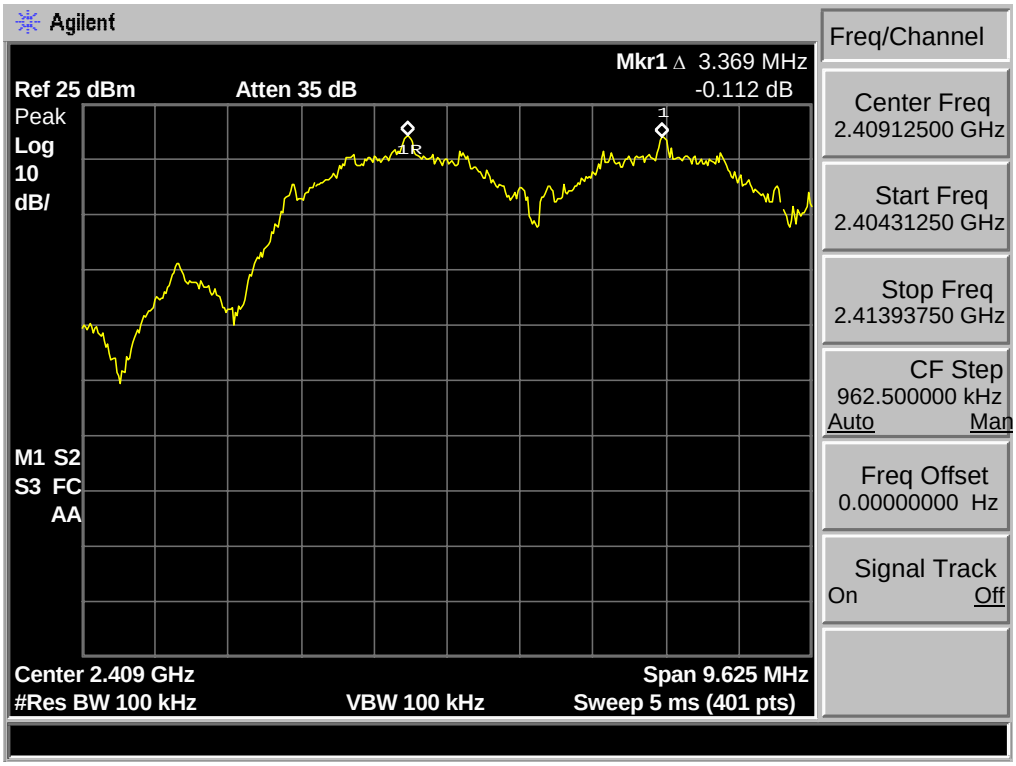
The transmitter output was coupled to a spectrum analyzer via a antenna. The carrier frequency was measured by spectrum analyzer with 100kHz RBW and 100kHz VBW.

5.3. Test Result

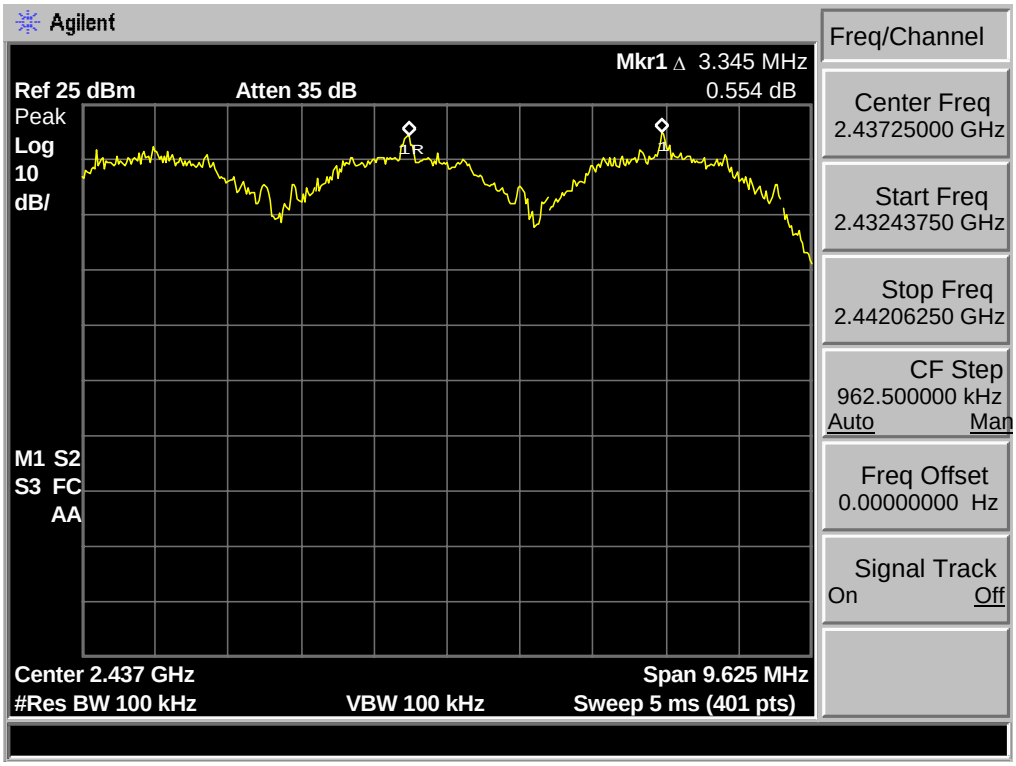
EUT: Baby Monitor M/N: MB920T				
Test date: 2013-10-22			Test site: RF site Tested by: Tony Tang	
Mode	Channel	Channel separation (MHz)	Limit	Conclusion
GFSK	Low CH	3.369	> 2/3 of the 20dB Bandwidth or 25[kHz](whichever is greater)	PASS
	Mid CH	3.345		PASS
	High CH	3.369		PASS

5.4. Test Data

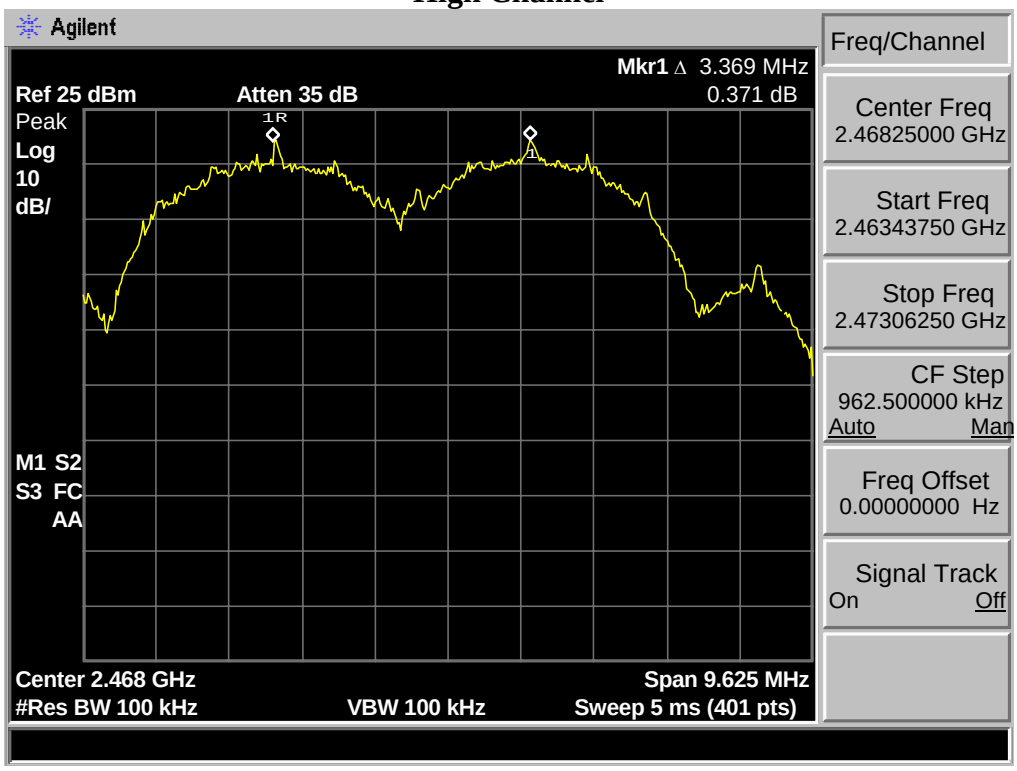
GFSK
Low Channel



Mid Channel



High Channel



6. NUMBER OF HOPPING CHANNEL

6.1. Limit

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels

6.2. Test Procedure

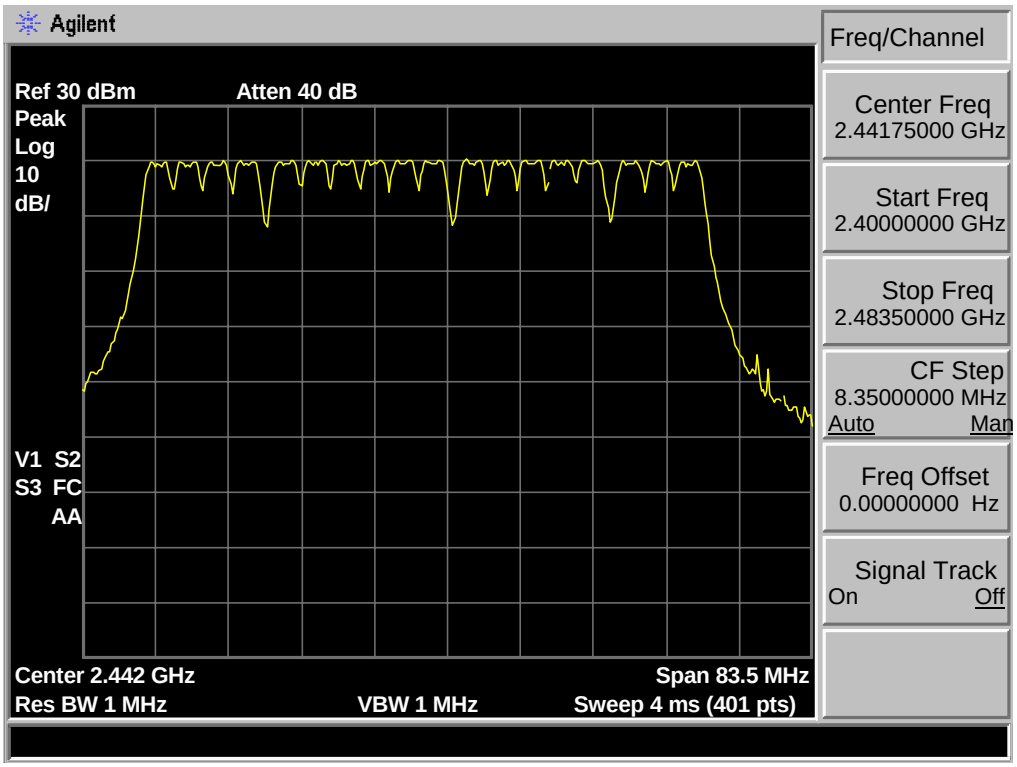
The transmitter output was coupled to a spectrum analyzer via a antenna. The number of hopping channel was measured by spectrum analyzer with 300kHz RBW and 300kHz VBW.

6.3. Test Result

EUT: Baby Monitor M/N: MB920T			
Test date: 2013-10-22	Test site: RF site	Tested by: Tony.Tang	
Mode	Number of hopping channel	Limit	Conclusion
GFSK	18	>15	PASS

6.4. Test Data

GFSK



7. DWELL TIME

7.1. Limit

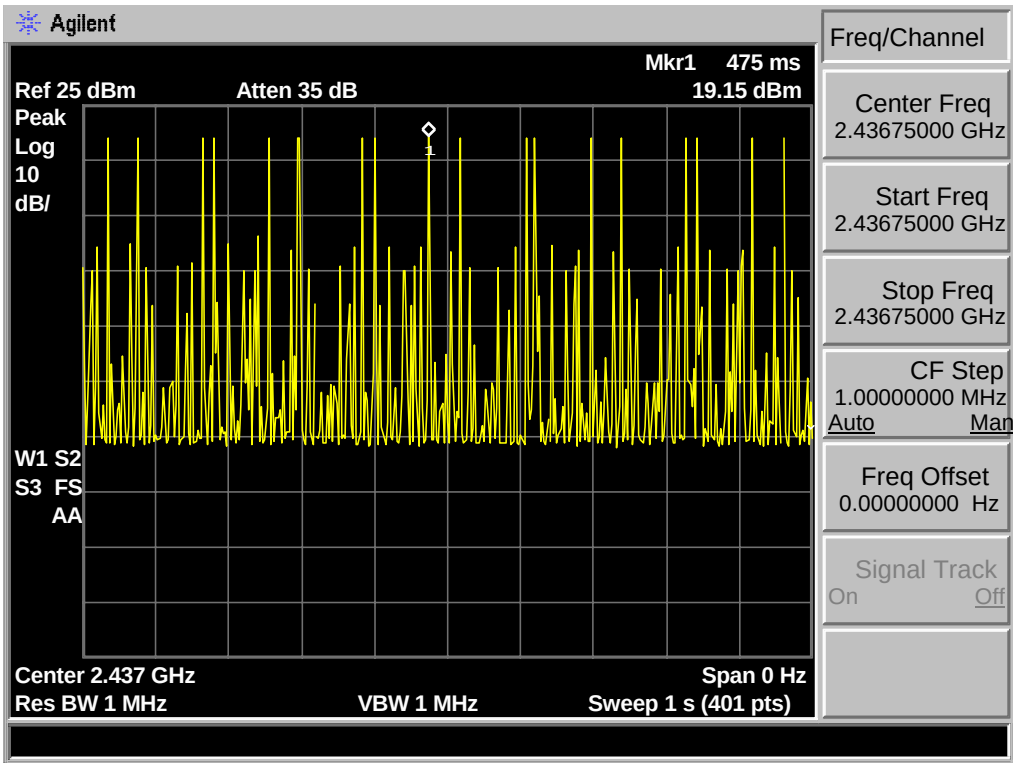
The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

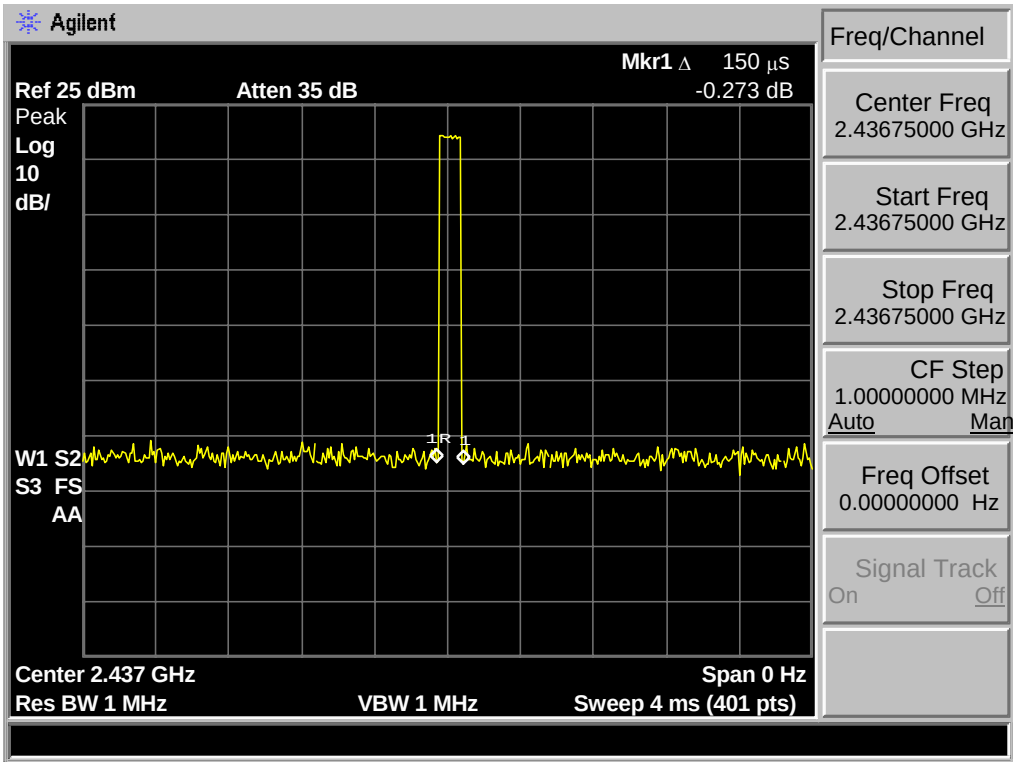
7.2. Test Result

EUT: Baby Monitor M/N: MB920T			
Test date: 2013-10-22	Test site: RF site	Tested by: Tony Tang	
Mode	Dwell time	Limit	Conclusion
GFSK	19.44	<400ms	PASS

7.3. Test Data

GFSK : 18hop/1s * 0.4 * 18 * 0.15ms = 19.44





8. RADIATED EMISSIONS

8.1. Limit

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

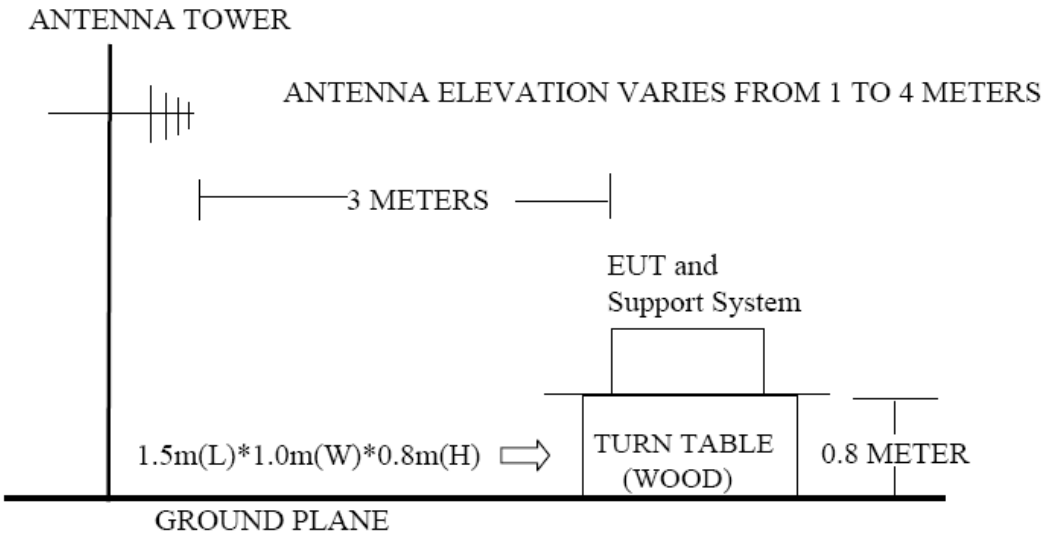
15.205 Restricted frequency band

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

15.209 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

8.2. Block Diagram of Test setup



8.3. Test Procedure

EUT was placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.

The bandwidth of the EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

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

The frequency range from 30MHz to 10th harmonic (25GHz) are checked.

8.4. Test Result

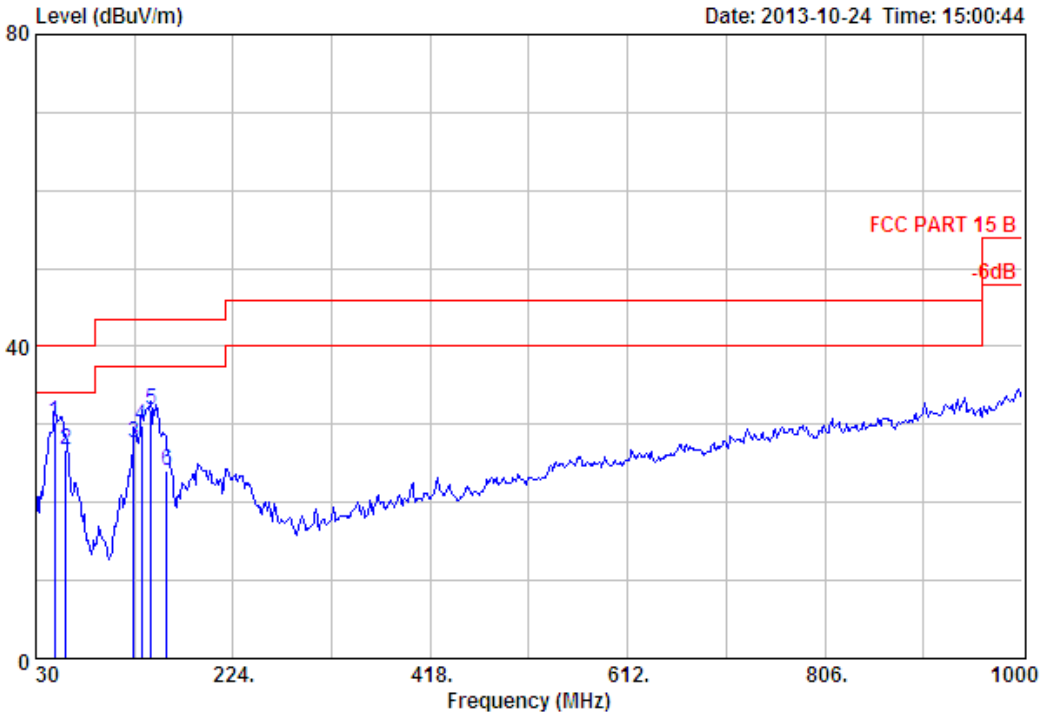
30MHz—25GHz Radiated emissison Test result
EUT: Baby Monitor M/N: MB920T
Power: DC 6V From Adapter Input AC 120V/60Hz
Test date: 2013-10-22~24 Test site: 3m Chamber Tested by: Tony Tang
Test mode: Tx Mode
Pass

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

2、 The frequency 2408.625MHz 、2436.750MHz and 2469.375MHz is fundamental frequency which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.

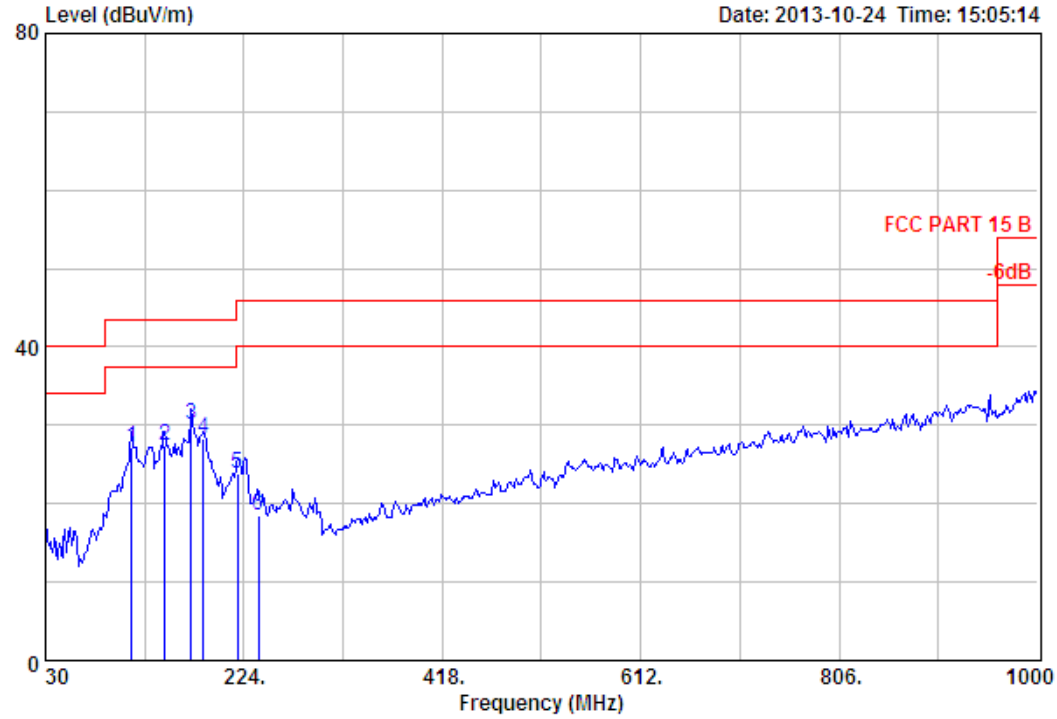
8.5. Test Data

30 MHz – 1000 MHz



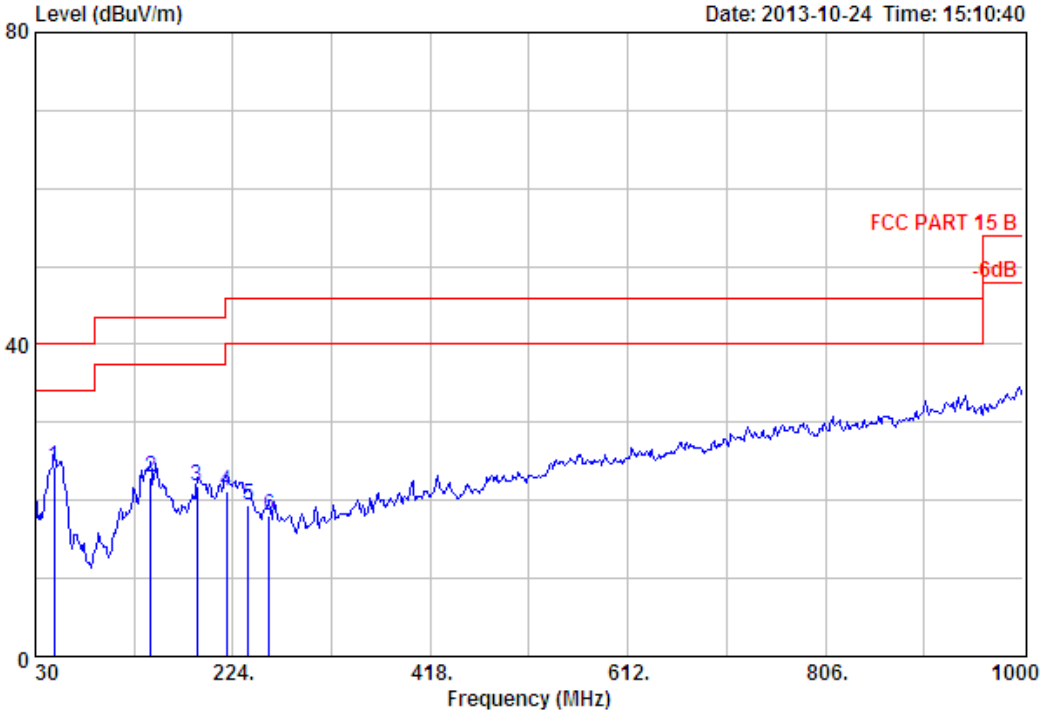
Site no. : 3m Chamber Data no. : 206
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
Limit : FCC PART 15 B
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2408.625MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Over limit (dB)	Reamark (dB)
1	48.43	8.37	0.98	21.04	30.39	40.00	-9.61	QP
2	59.10	4.80	1.00	20.94	26.74	40.00	-13.26	QP
3	126.03	11.34	1.52	14.85	27.71	43.50	-15.79	QP
4	133.79	11.36	1.56	16.91	29.83	43.50	-13.67	QP
5	143.49	11.29	1.55	19.12	31.96	43.50	-11.54	QP
6	159.01	10.42	1.68	11.95	24.05	43.50	-19.45	QP



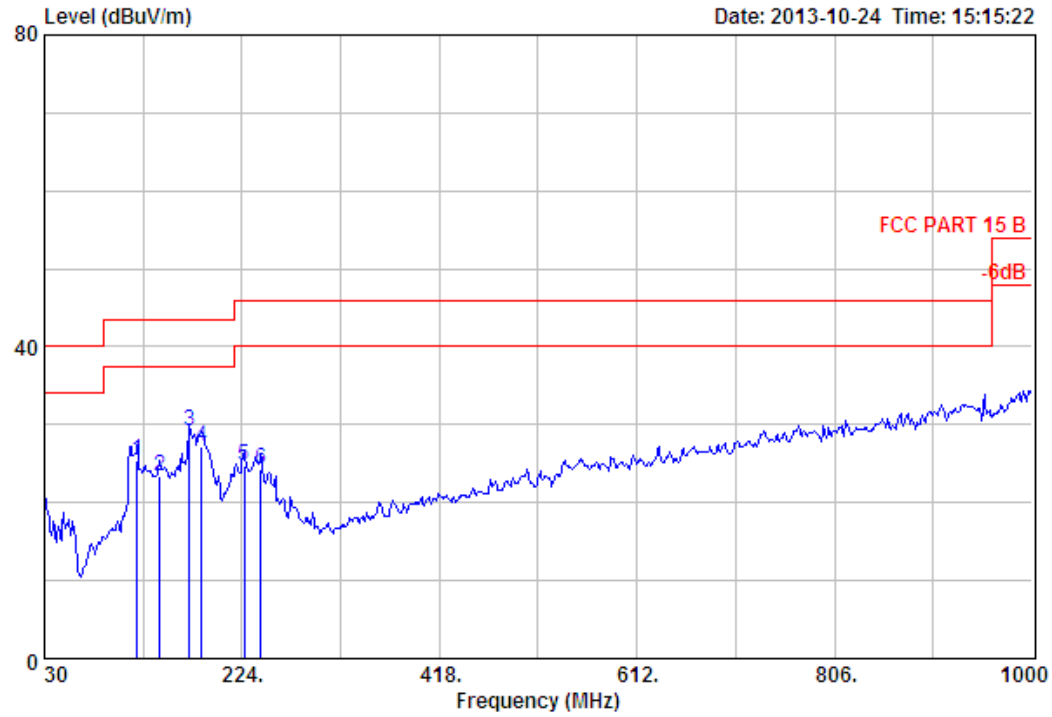
Site no. : 3m Chamber Data no. : 207
Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2408.625MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Over limit (dB)	Reamark (dB)
1	114.39	10.85	1.42	14.89	27.16	43.50	-16.34	QP
2	146.40	11.15	1.58	14.57	27.30	43.50	-16.20	QP
3	172.59	9.07	1.68	19.41	30.16	43.50	-13.34	QP
4	184.23	8.57	1.71	17.97	28.25	43.50	-15.25	QP
5	218.18	9.00	1.90	12.99	23.89	46.00	-22.11	QP
6	238.55	10.11	2.10	6.30	18.51	46.00	-27.49	QP



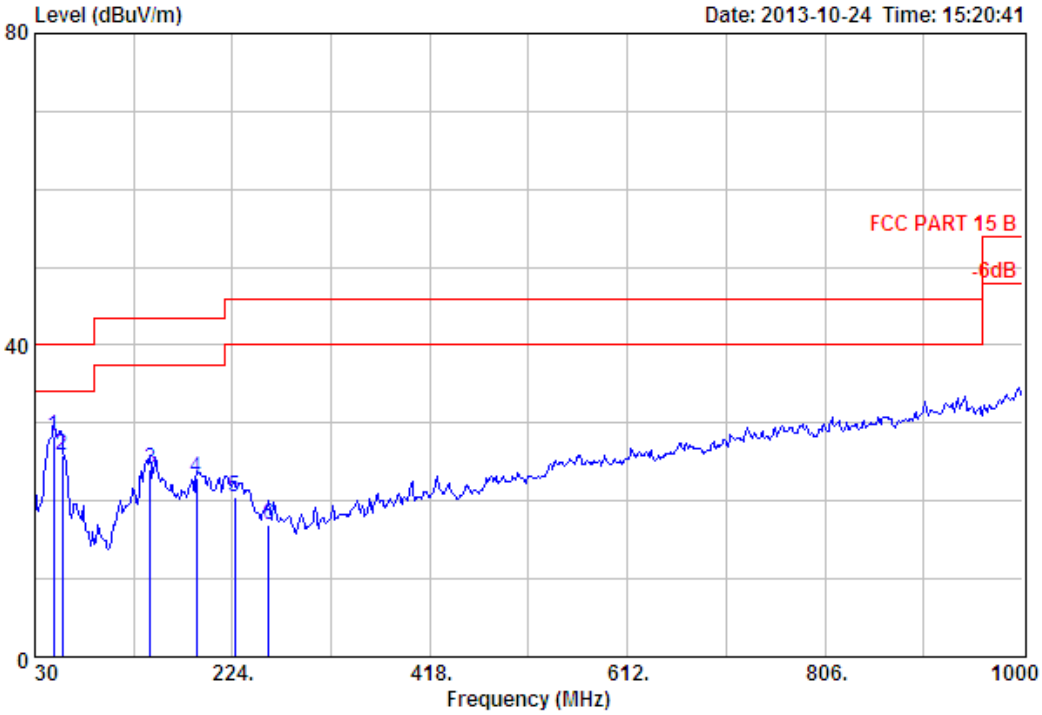
Site no. : 3m Chamber Data no. : 208
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
Limit : FCC PART 15 B
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2436.75MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Over limit (dB)	Reamark (dB)
1	48.43	8.37	0.98	15.04	24.39	40.00	-15.61	QP
2	143.49	11.29	1.55	10.12	22.96	43.50	-20.54	QP
3	189.08	8.05	1.75	12.05	21.85	43.50	-21.65	QP
4	218.18	9.00	1.90	10.38	21.28	46.00	-24.72	QP
5	239.52	10.22	2.11	7.01	19.34	46.00	-26.66	QP
6	259.89	12.97	2.25	2.79	18.01	46.00	-27.99	QP



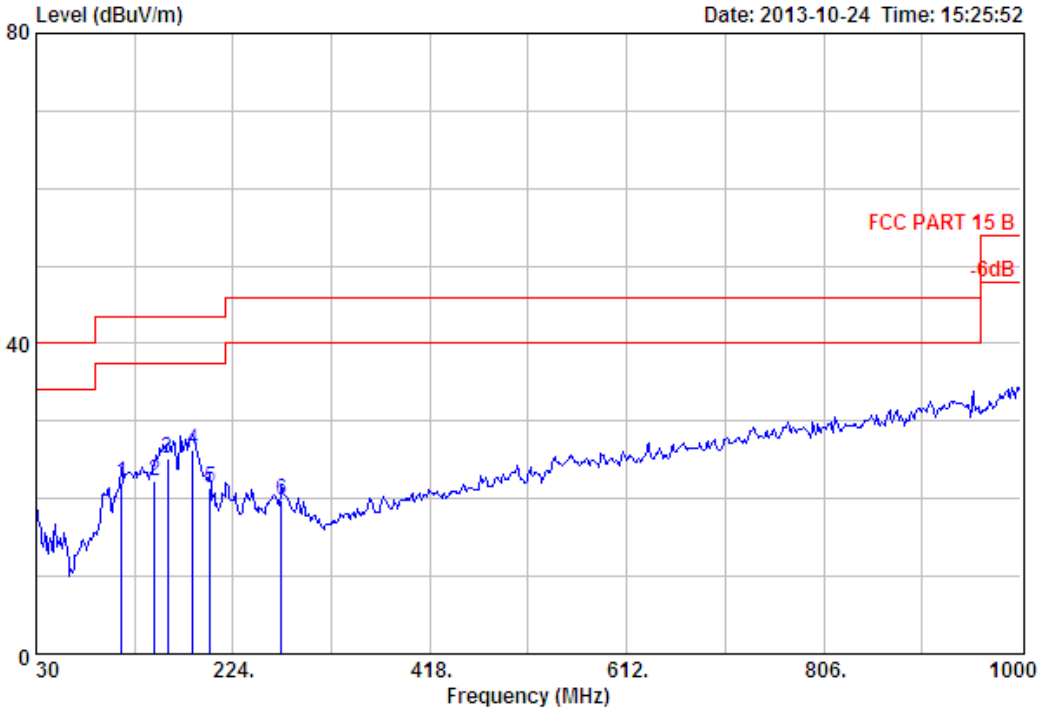
Site no. : 3m Chamber Data no. : 209
Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2436.75MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Over limit (dB)	Reamark (dB)
1	121.18	11.20	1.40	12.86	25.46	43.50	-18.04	QP
2	143.49	11.29	1.55	10.48	23.32	43.50	-20.18	QP
3	172.59	9.07	1.68	18.41	29.16	43.50	-14.34	QP
4	184.23	8.57	1.71	16.97	27.25	43.50	-16.25	QP
5	225.94	9.47	1.99	13.22	24.68	46.00	-21.32	QP
6	242.43	10.64	2.16	11.46	24.26	46.00	-21.74	QP



Site no. : 3m Chamber Data no. : 210
Dis. / Ant. : 3m 27137 Ant. pol. : VERTICAL
Limit : FCC PART 15 B
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2469.375MHz

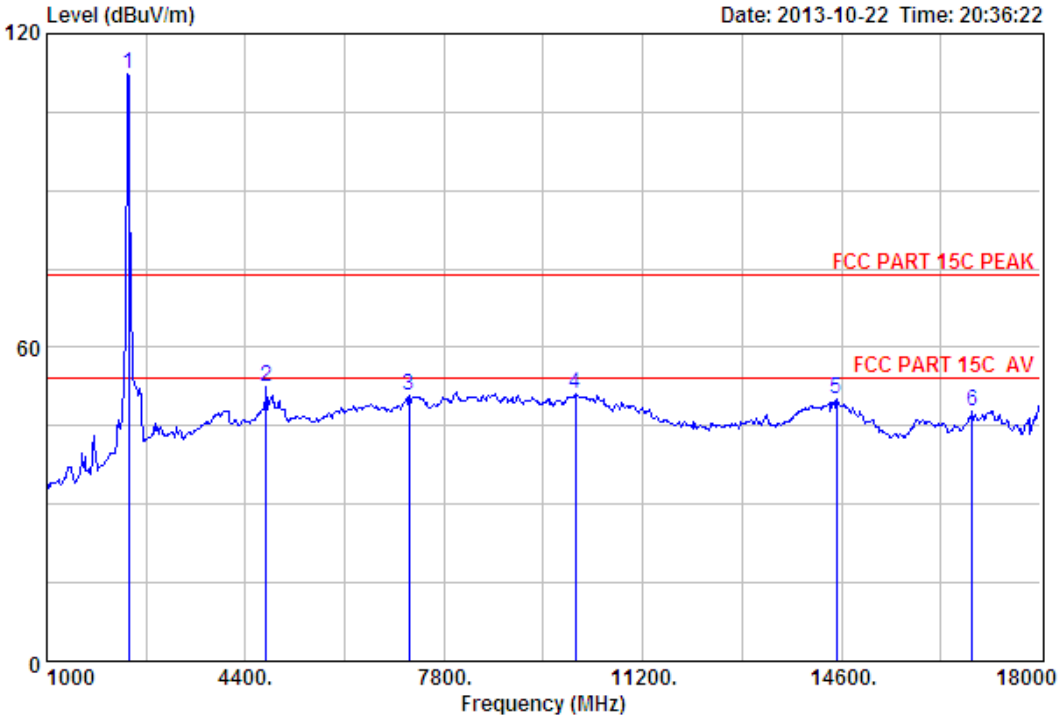
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Over limit (dB)	Reamark (dB)
1	48.43	8.37	0.98	19.04	28.39	40.00	-11.61	QP
2	57.16	5.06	0.99	19.73	25.78	40.00	-14.22	QP
3	143.49	11.29	1.55	11.12	23.96	43.50	-19.54	QP
4	189.08	8.05	1.75	13.05	22.85	43.50	-20.65	QP
5	225.94	9.47	1.99	9.07	20.53	46.00	-25.47	QP
6	259.89	12.97	2.25	1.79	17.01	46.00	-28.99	QP



Site no. : 3m Chamber Data no. : 211
Dis. / Ant. : 3m 27137 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2469.375MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Over limit (dB)	Reamark (dB)
1	114.39	10.85	1.42	9.89	22.16	43.50	-21.34	QP
2	146.40	11.15	1.58	9.57	22.30	43.50	-21.20	QP
3	159.98	10.36	1.71	13.18	25.25	43.50	-18.25	QP
4	184.23	8.57	1.71	15.97	26.25	43.50	-17.25	QP
5	201.69	7.79	1.77	11.73	21.29	43.50	-22.21	QP
6	271.53	12.49	2.29	4.99	19.77	46.00	-26.23	QP

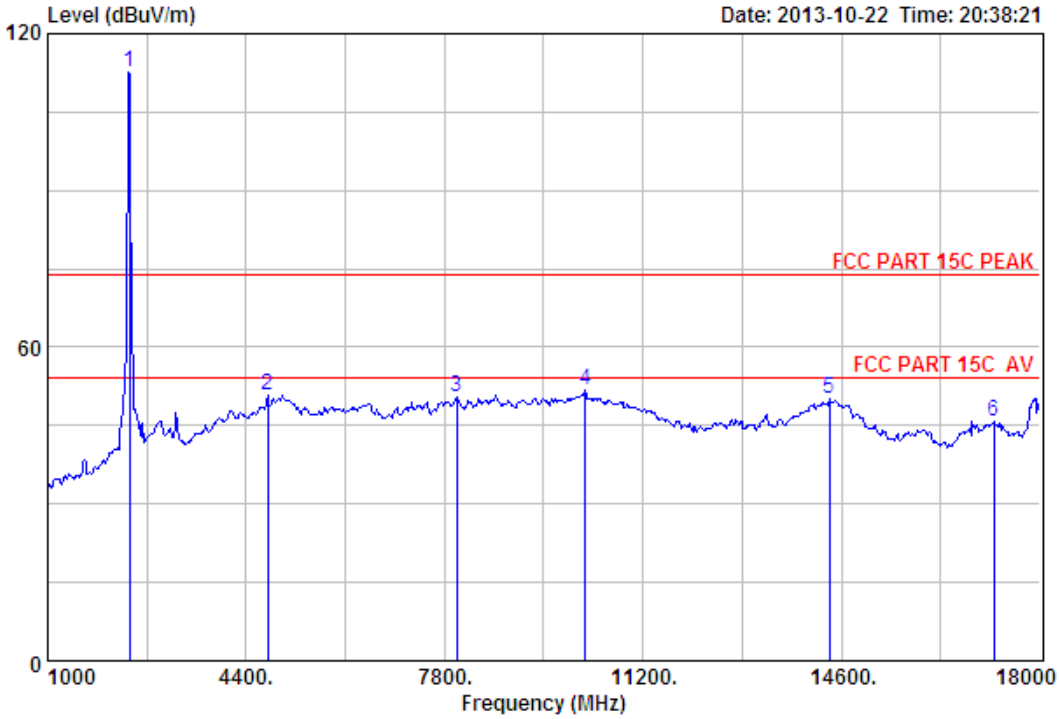
1000 MHz – 18000MHz



Site no. : 3m Chamber Data no. : 190
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2408.625MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2408.63	27.60	6.64	34.15	112.20	112.29	74.00	-38.29	Peak
2	4757.00	31.17	11.54	31.78	41.39	52.32	74.00	21.68	Peak
3	7205.00	36.52	11.54	32.11	34.89	50.84	74.00	23.16	Peak
4	10044.00	38.18	11.56	31.85	33.22	51.11	74.00	22.89	Peak
5	14515.00	41.89	10.93	33.14	30.46	50.14	74.00	23.86	Peak
6	16844.00	39.29	10.84	34.17	31.96	47.92	74.00	26.08	Peak

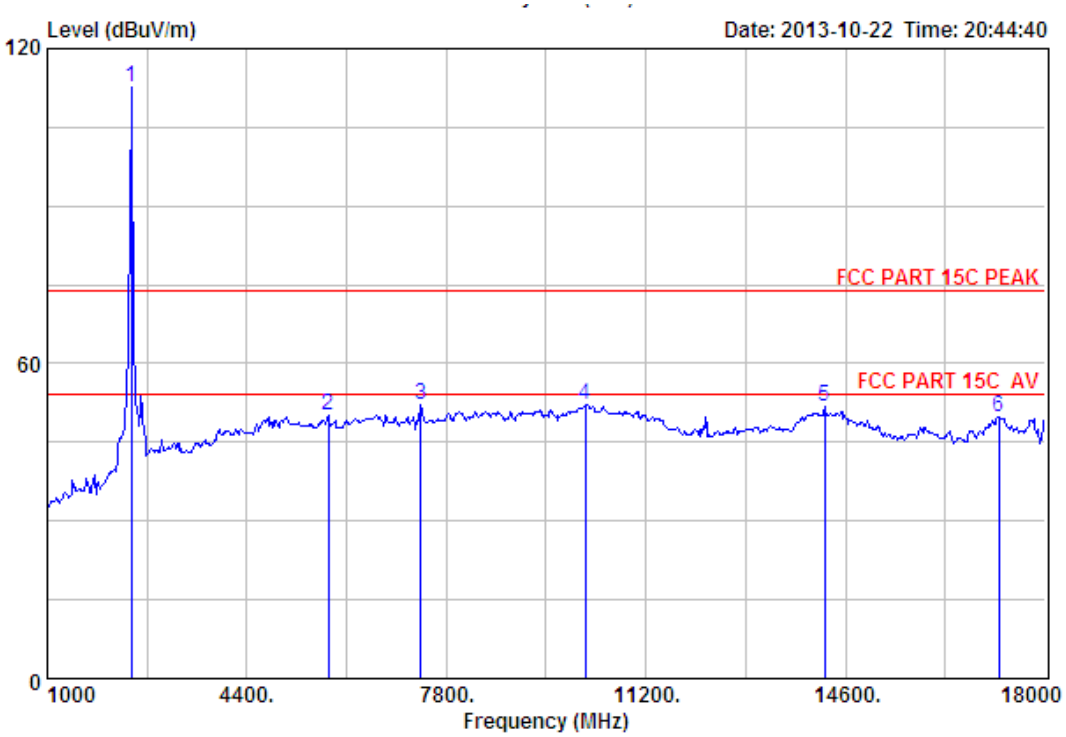
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 191
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2408.625MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2408.63	27.60	6.64	34.15	112.53	112.62	74.00	-38.62	Peak
2	4774.00	31.20	11.62	31.79	39.83	50.86	74.00	23.14	Peak
3	8004.00	37.01	11.40	31.22	33.15	50.34	74.00	23.66	Peak
4	10214.00	38.48	11.47	32.17	34.07	51.85	74.00	22.15	Peak
5	14396.00	41.79	10.92	32.83	30.18	50.06	74.00	23.94	Peak
6	17218.00	40.58	10.91	33.55	27.91	45.85	74.00	28.15	Peak

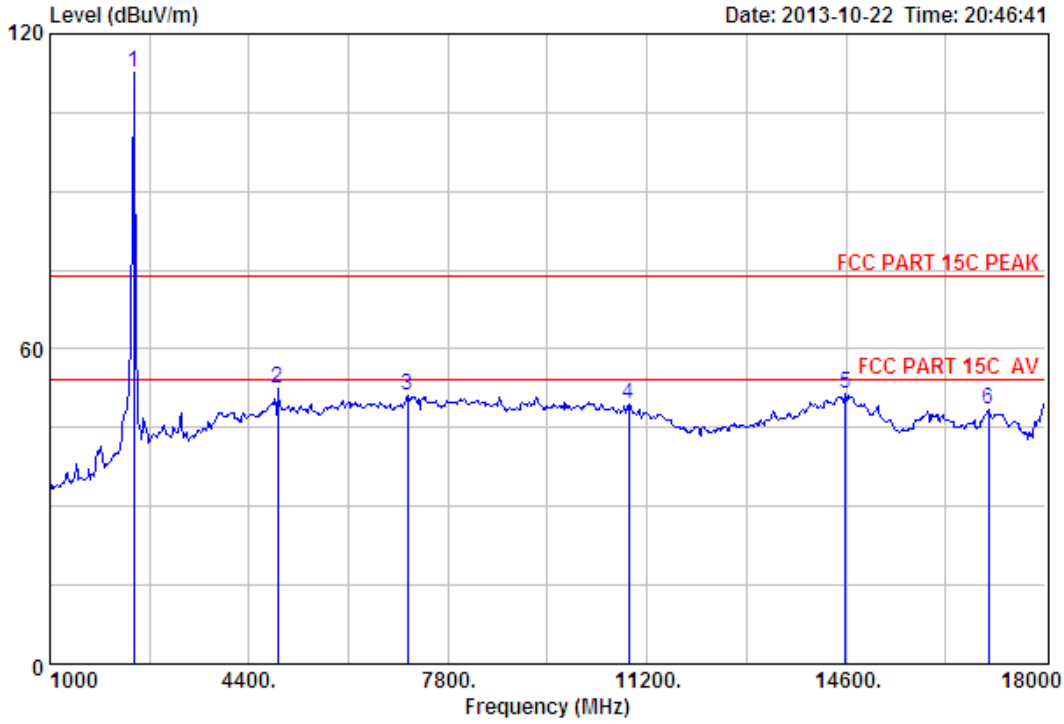
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 194
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2436.75MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2436.75	27.60	6.67	34.12	112.45	112.60	74.00	-38.60	Peak
2	5794.00	32.36	12.07	32.47	38.17	50.13	74.00	23.87	Peak
3	7358.00	36.56	11.58	31.99	35.89	52.04	74.00	21.96	Peak
4	10163.00	38.39	11.50	32.08	34.40	52.21	74.00	21.79	Peak
5	14243.00	41.67	10.91	33.24	32.32	51.66	74.00	22.34	Peak
6	17218.00	40.58	10.91	33.55	31.80	49.74	74.00	24.26	Peak

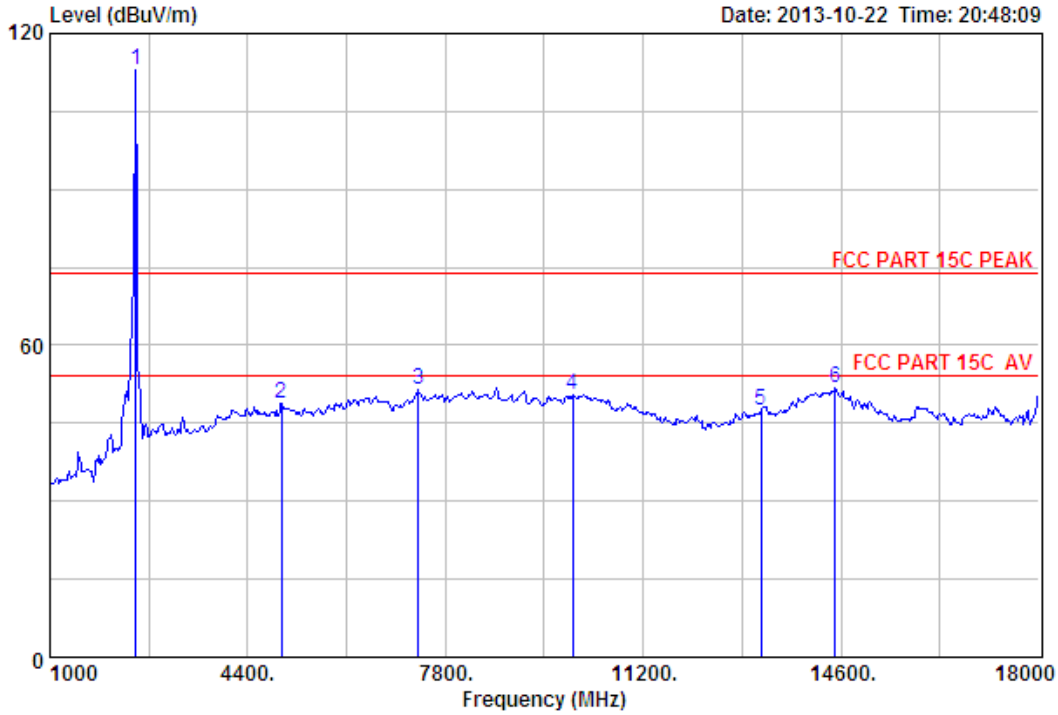
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 195
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2436.75MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2436.75	27.60	6.67	34.12	112.45	112.60	74.00	-38.60	Peak
2	4893.00	31.40	12.14	31.92	40.92	52.54	74.00	21.46	Peak
3	7103.00	35.99	11.51	32.31	35.85	51.04	74.00	22.96	Peak
4	10894.00	39.41	11.29	33.46	32.27	49.51	74.00	24.49	Peak
5	14583.00	41.65	10.92	33.38	32.34	51.53	74.00	22.47	Peak
6	17031.00	39.87	10.98	33.13	30.86	48.58	74.00	25.42	Peak

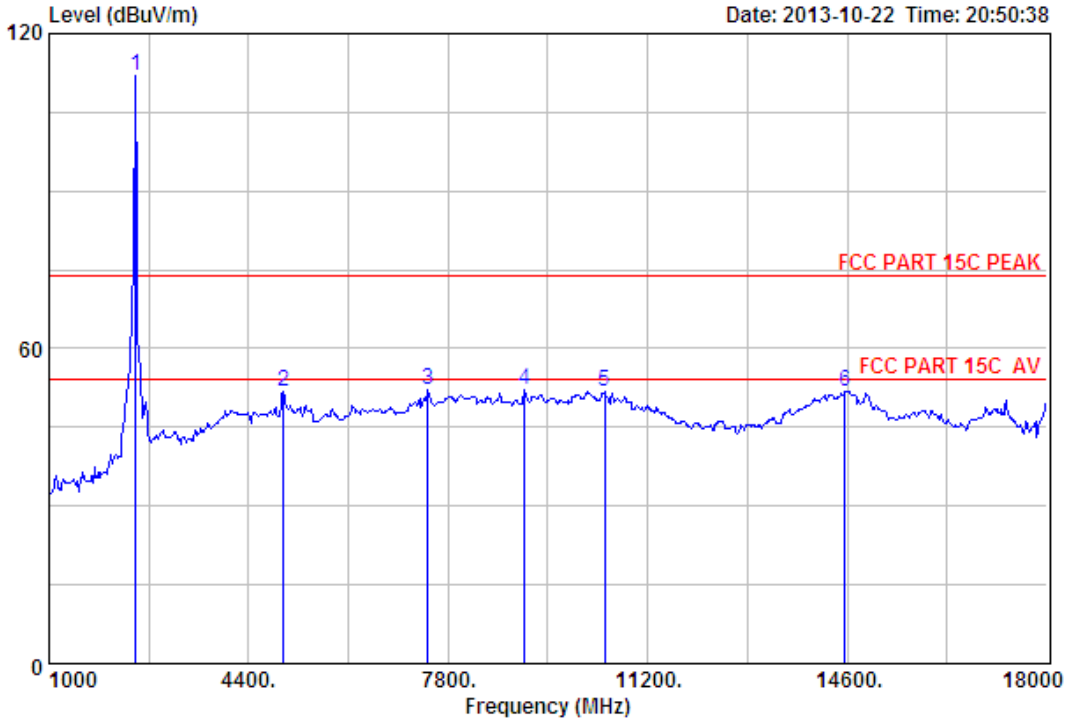
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 196
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2469.375MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2469.38	27.58	6.69	34.06	112.78	112.99	74.00	-38.99	Peak
2	4978.00	31.52	12.52	31.99	36.78	48.83	74.00	25.17	Peak
3	7341.00	36.56	11.58	31.99	35.31	51.46	74.00	22.54	Peak
4	9993.00	38.12	11.59	31.78	32.54	50.47	74.00	23.53	Peak
5	13223.00	39.42	11.46	34.68	31.42	47.62	74.00	26.38	Peak
6	14498.00	41.88	10.93	33.08	32.03	51.76	74.00	22.24	Peak

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

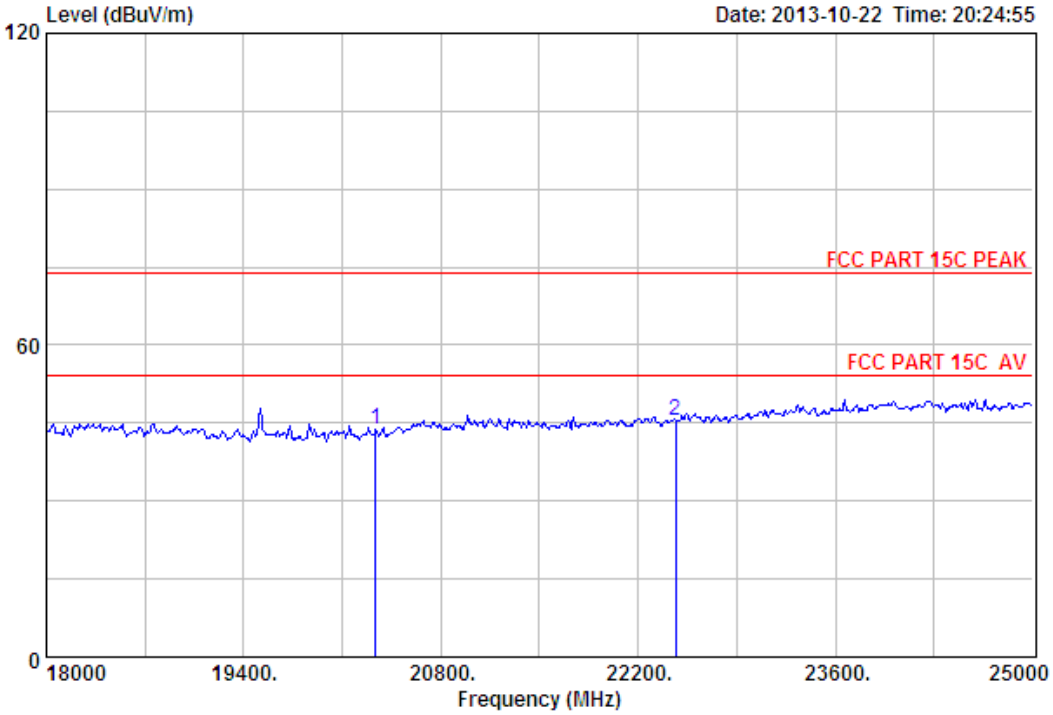


Site no. : 3m Chamber Data no. : 197
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2469.375MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2469.38	27.58	6.69	34.06	111.90	112.11	74.00	-38.11	Peak
2	4995.00	31.54	12.59	32.00	39.75	51.88	74.00	22.12	Peak
3	7460.00	36.52	11.61	31.91	36.01	52.23	74.00	21.77	Peak
4	9109.00	37.59	11.51	32.42	35.59	52.27	74.00	21.73	Peak
5	10469.00	38.92	11.33	32.66	34.14	51.73	74.00	22.27	Peak
6	14566.00	41.71	10.92	33.32	32.45	51.76	74.00	22.24	Peak

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

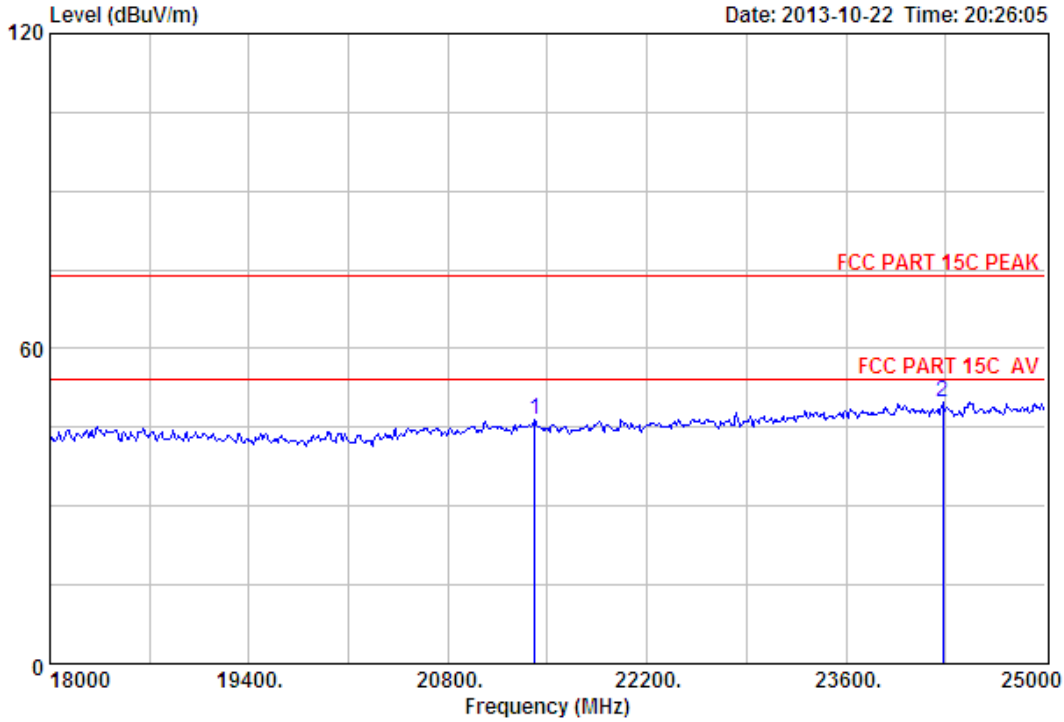
18000MHz – 250000MHz



Site no. : 3m Chamber Data no. : 184
Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2408.625MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	20338.00	46.03	19.83	36.39	14.28	43.75	74.00	30.25	Peak
2	22466.00	45.79	20.83	34.40	13.28	45.50	74.00	28.50	Peak

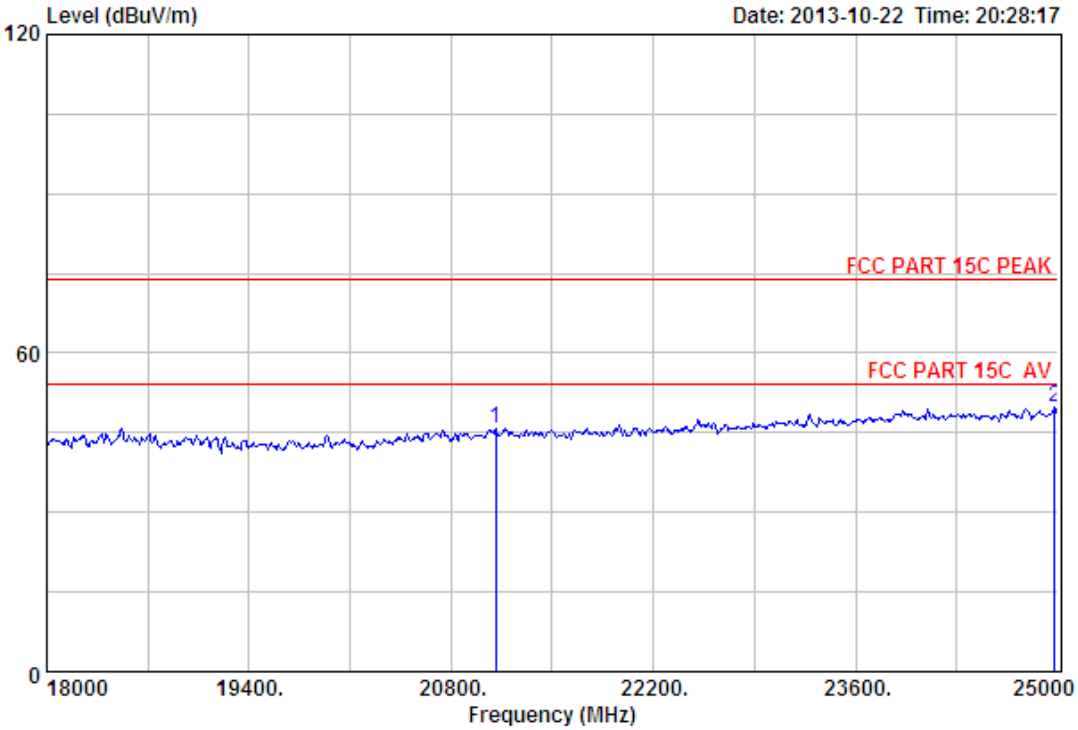
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 185
Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2408.625MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Emission Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	21409.00	46.05	20.31	35.44	15.67	46.59	74.00	27.41	Peak
2	24279.00	45.65	22.20	33.23	15.10	49.72	74.00	24.28	Peak

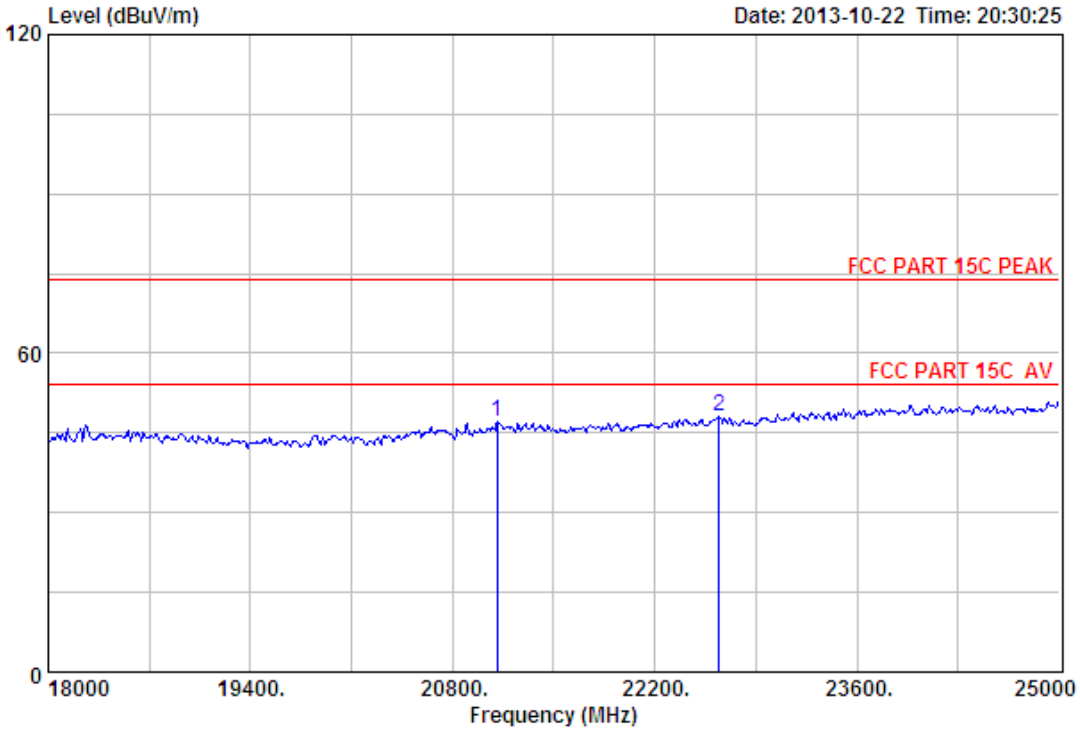
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 186
Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2436.75MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	21108.00	46.23	20.18	35.71	15.18	45.88	74.00	28.12	Peak
2	24979.00	46.08	22.58	34.31	15.48	49.83	74.00	24.17	Peak

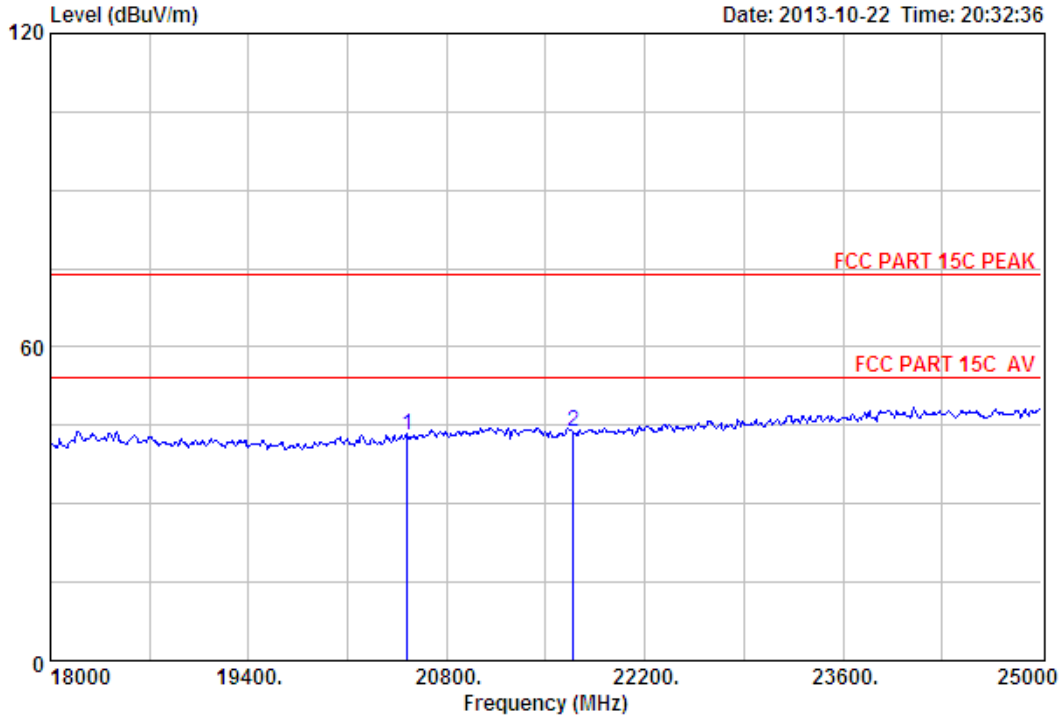
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 187
Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2436.75MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	21108.00	46.23	20.18	35.71	16.39	47.09	74.00	26.91	Peak
2	22648.00	45.75	20.94	34.22	15.79	48.26	74.00	25.74	Peak

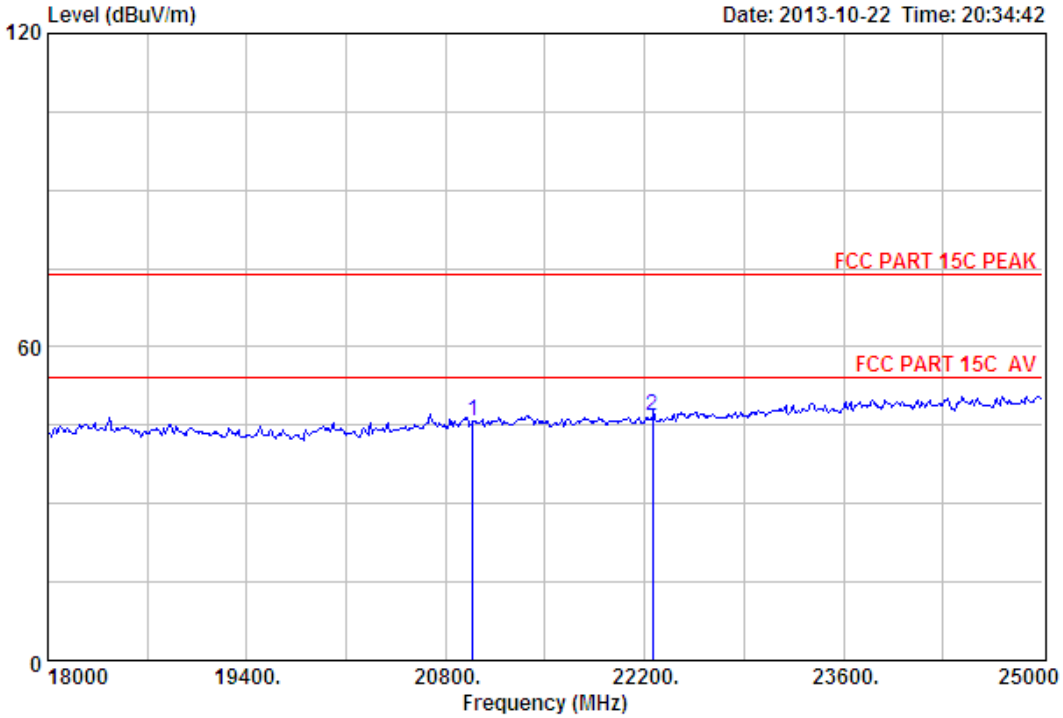
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 188
Dis. / Ant. : 3m ANT ABOVE 18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2469.375MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	20520.00	46.01	19.92	36.23	13.37	43.07	74.00	30.93	Peak
2	21696.00	45.88	20.43	35.17	12.52	43.66	74.00	30.34	Peak

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



Site no. : 3m Chamber Data no. : 189
Dis. / Ant. : 3m ANT ABVOE 18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2469.375MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	20989.00	46.30	20.13	35.80	15.13	45.76	74.00	28.24	Peak
2	22256.00	45.75	20.71	34.64	15.09	46.91	74.00	27.09	Peak

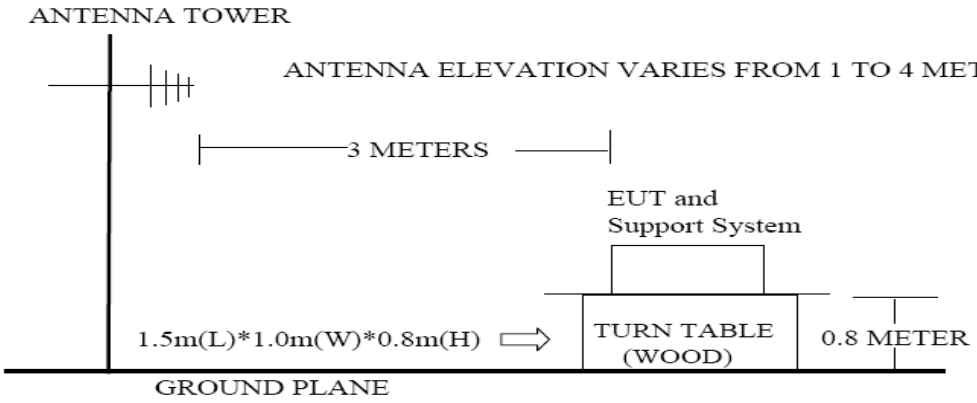
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

9. BAND EDGE COMPLIANCE

9.1. Limit

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

9.2. Block Diagram of Test setup



9.3. Test Procedure

EUT was placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.

Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of emissions

(a) PEAK: RBW=VBW=1MHz / Sweep=AUTO

(b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO

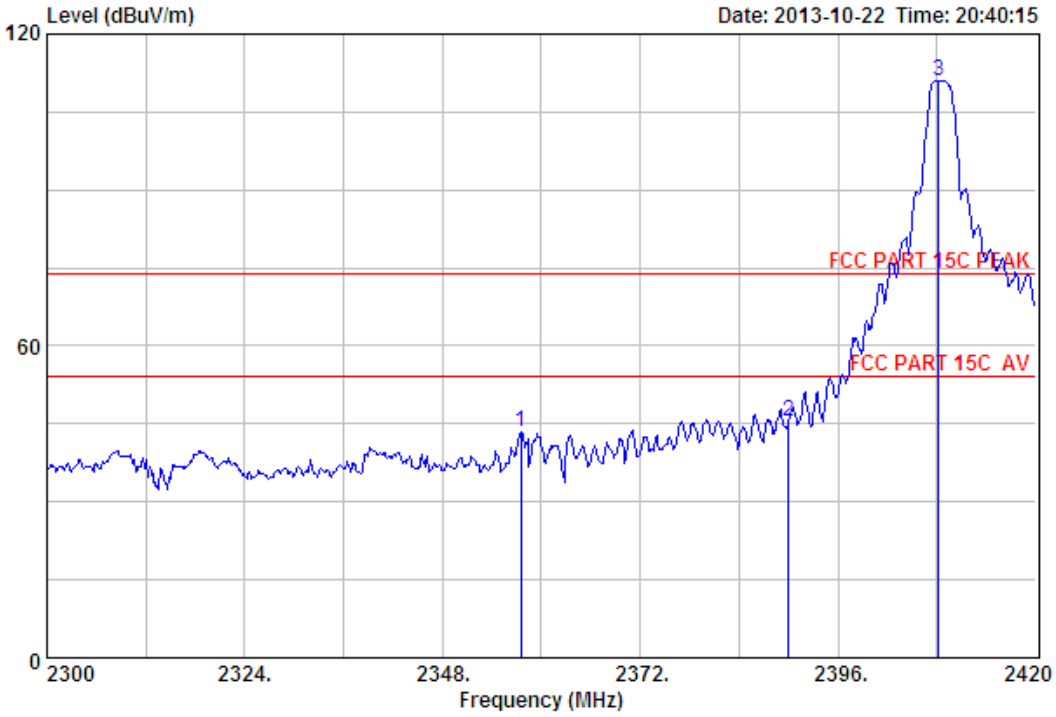
9.4. Test Result

EUT: Baby Monitor M/N: MB920T
Power: DC 6V From Adapter Input AC 120V/60Hz
Test date: 2013-10-22 Test site: 3m Chamber Tested by: Tony Tang
Test mode: Tx Mode (Hopping On & No Hopping)
Pass

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

2、 The frequency 2408.625MHz 、2436.750MHz and 2469.375MHz is fundamental frequency which no limit, the limit on plots is automatically generated by the software, it's not fundamental limit, we can't remove it.

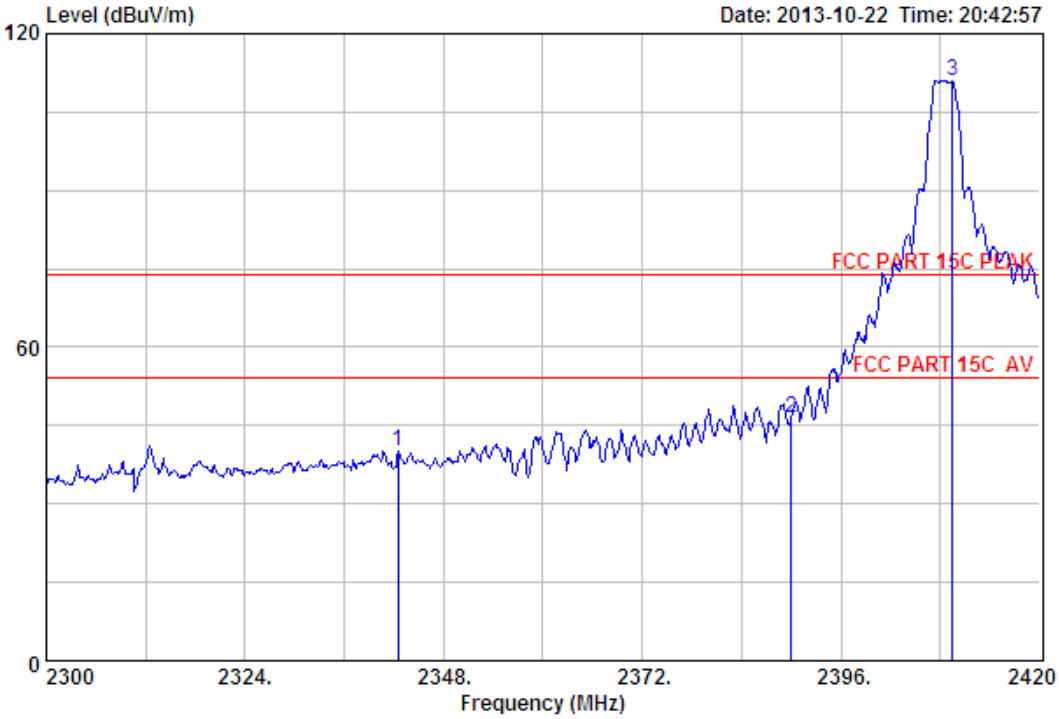
9.5. Test Data




```
Site no.      : 3m Chamber                  Data no. : 192
Dis. / Ant.   : 3m   ANT 1-18G              Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C PEAK
Env. / Ins.   : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer      : Tony
EUT           : Baby Monitor
Power         : DC 6V From Adapter Input AC 120V/60Hz
M/N           : MB920T
Test Mode     : TX 2408.625MHz(No Hopping)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2357.48	27.67	6.58	34.20	43.42	43.47	74.00	30.53	Peak
2	2390.00	27.64	6.62	34.19	45.43	45.50	74.00	28.50	Peak
3	2408.24	27.60	6.64	34.15	111.00	111.09	74.00	-37.09	Peak

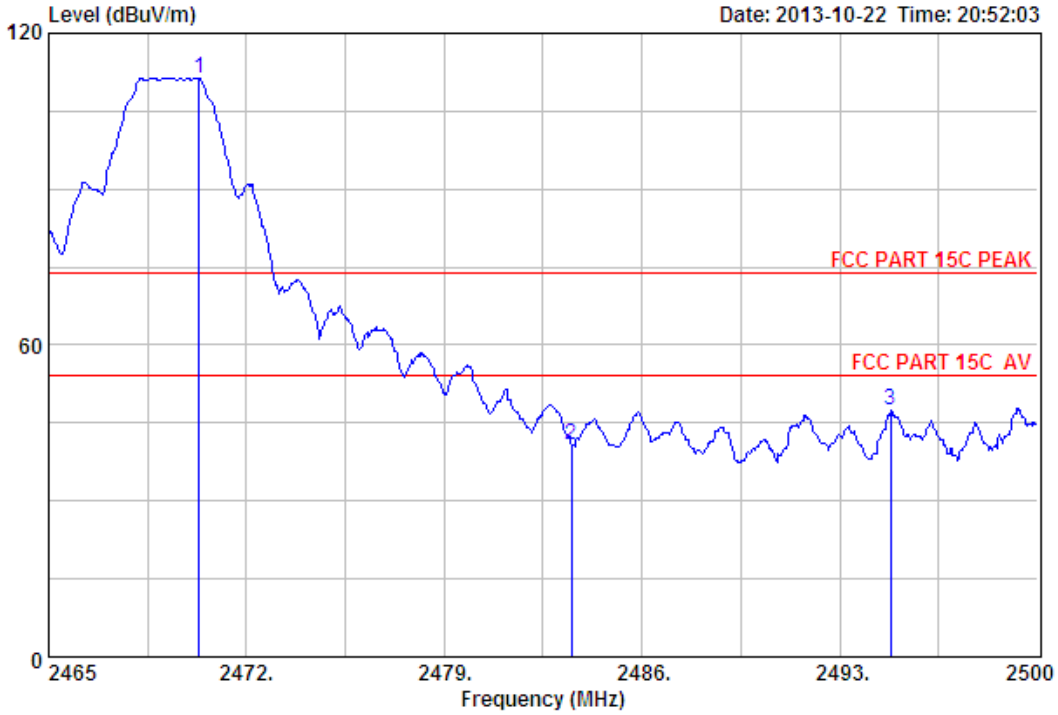
```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```



Site no. : 3m Chamber Data no. : 193
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2408.625MHz(No Hopping)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2342.48	27.70	6.56	34.22	40.18	40.22	74.00	33.78	Peak
2	2390.00	27.64	6.62	34.19	46.39	46.46	74.00	27.54	Peak
3	2409.44	27.60	6.64	34.15	111.00	111.09	74.00	-37.09	Peak

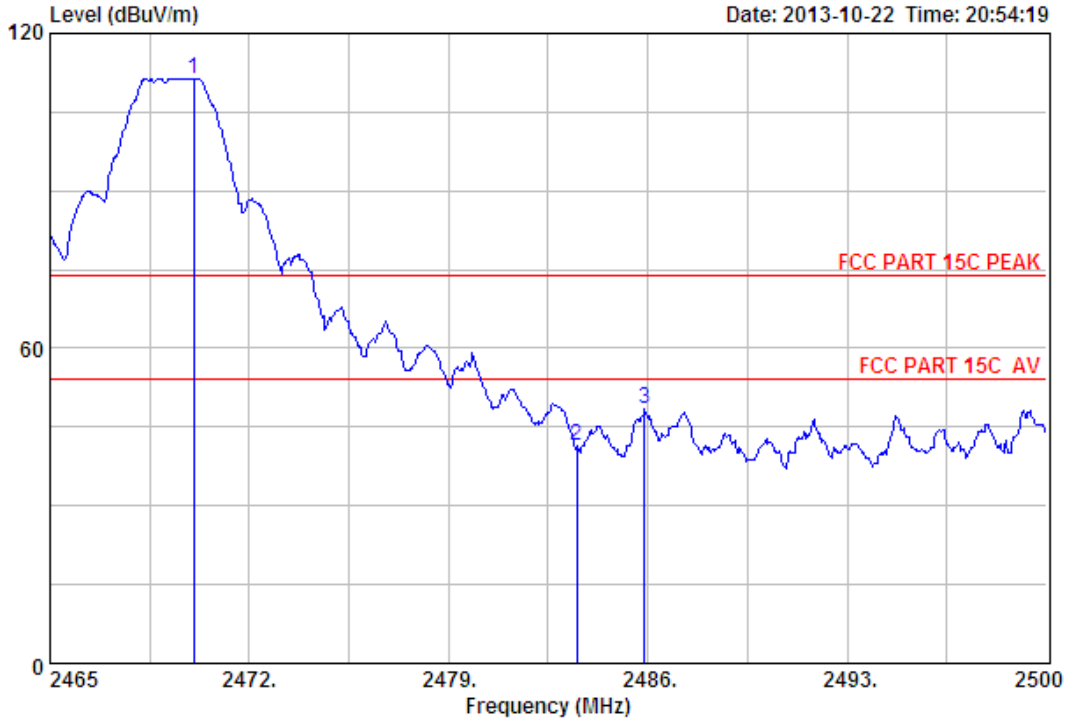
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 198
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2469.375MHz(No Hopping)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2470.32	27.58	6.69	34.06	111.06	111.27	74.00	-37.27	Peak
2	2483.50	27.58	6.71	34.03	40.52	40.78	74.00	33.22	Peak
3	2494.79	27.57	6.73	34.00	47.28	47.58	74.00	26.42	Peak

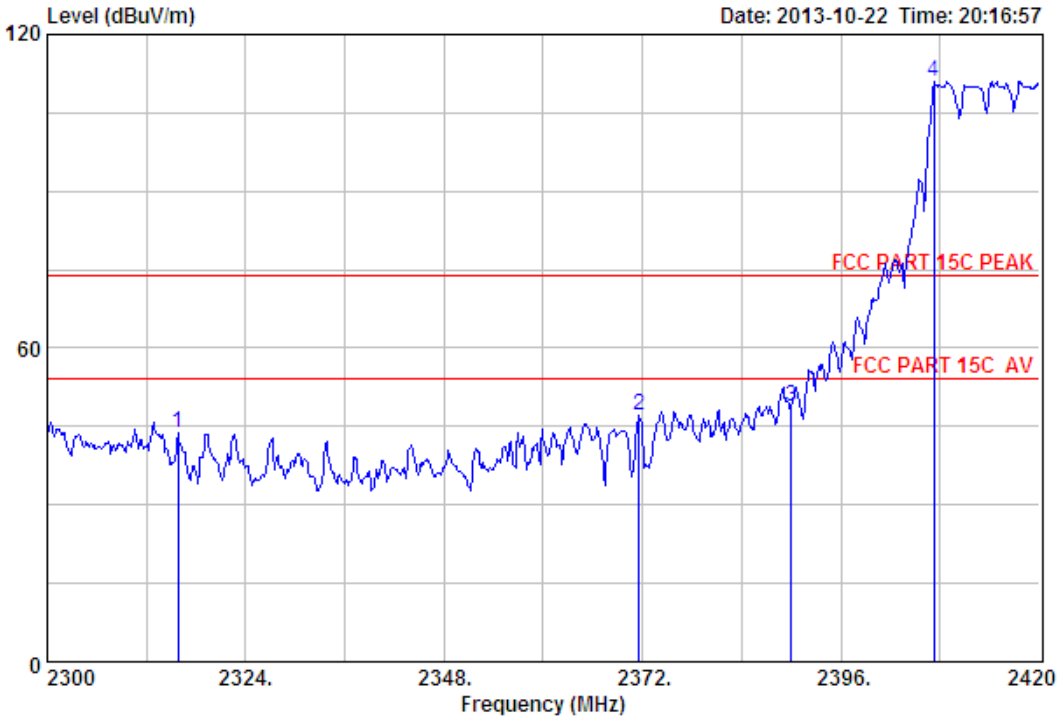
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




```
Site no.      : 3m Chamber                    Data no. : 199
Dis. / Ant.   : 3m   ANT 1-18G                Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C PEAK
Env. / Ins.   : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer      : Tony
EUT           : Baby Monitor
Power         : DC 6V From Adapter Input AC 120V/60Hz
M/N           : MB920T
Test Mode     : TX 2469.375MHz(No Hopping)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2470.04	27.58	6.69	34.06	111.06	111.27	74.00	-37.27	Peak
2	2483.50	27.58	6.71	34.03	41.09	41.35	74.00	32.65	Peak
3	2485.90	27.58	6.71	34.03	48.36	48.62	74.00	25.38	Peak

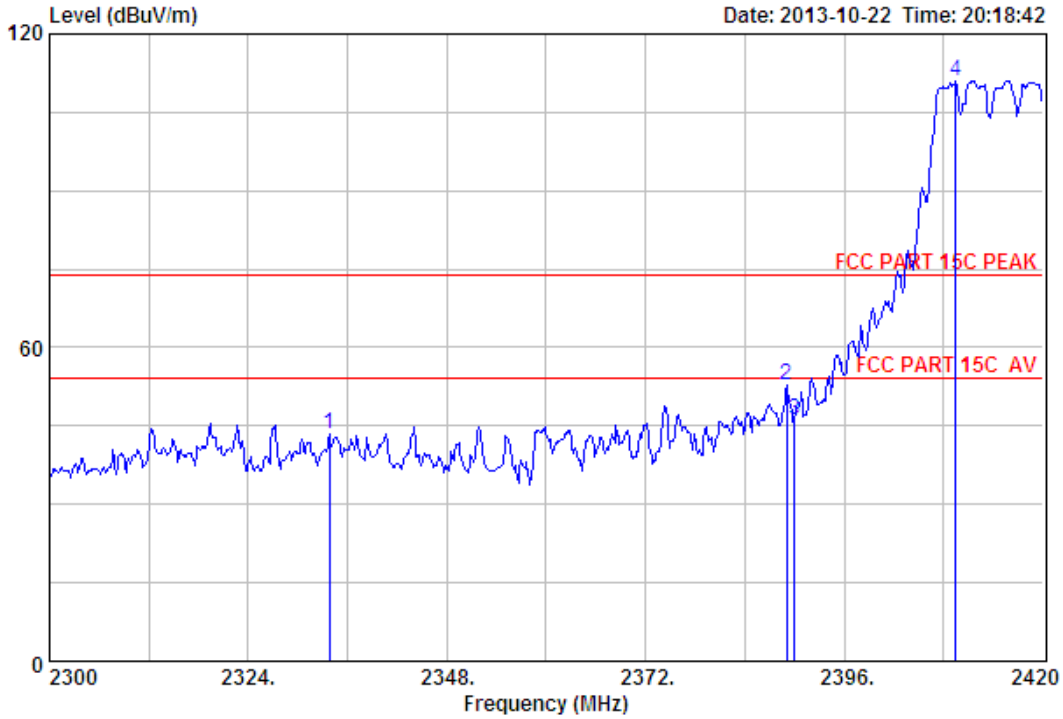
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 180
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2408.625MHz(Hopping On)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2315.84	27.76	6.53	34.24	43.70	43.75	74.00	30.25	Peak
2	2371.64	27.67	6.60	34.20	47.18	47.25	74.00	26.75	Peak
3	2390.00	27.64	6.62	34.19	48.79	48.86	74.00	25.14	Peak
4	2407.28	27.61	6.64	34.18	111.01	111.08	74.00	-37.08	Peak

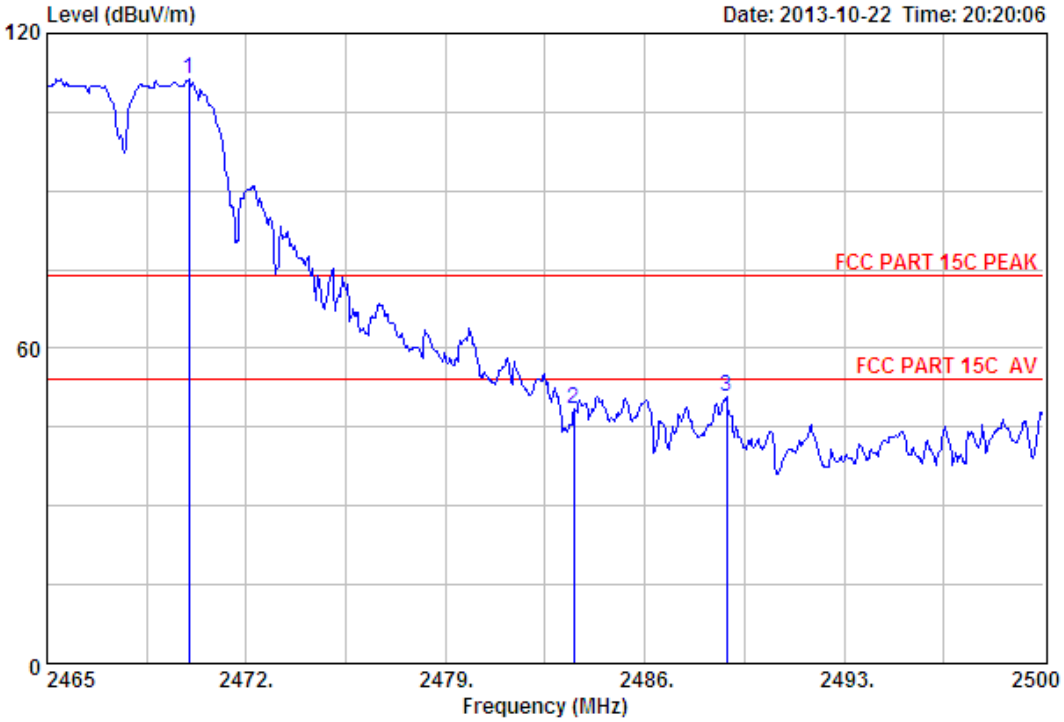
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.




```
Site no.      : 3m Chamber                  Data no. : 181
Dis. / Ant.   : 3m   ANT 1-18G              Ant. pol. : HORIZONTAL
Limit         : FCC PART 15C PEAK
Env. / Ins.   : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer      : Tony
EUT           : Baby Monitor
Power         : DC 6V From Adapter Input AC 120V/60Hz
M/N           : MB920T
Test Mode     : TX 2408.625MHz(Hopping On)
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2333.84	27.73	6.54	34.23	43.50	43.54	74.00	30.46	Peak
2	2389.04	27.64	6.62	34.19	52.90	52.97	74.00	21.03	Peak
3	2390.00	27.64	6.62	34.19	46.18	46.25	74.00	27.75	Peak
4	2409.44	27.60	6.64	34.15	110.99	111.08	74.00	-37.08	Peak

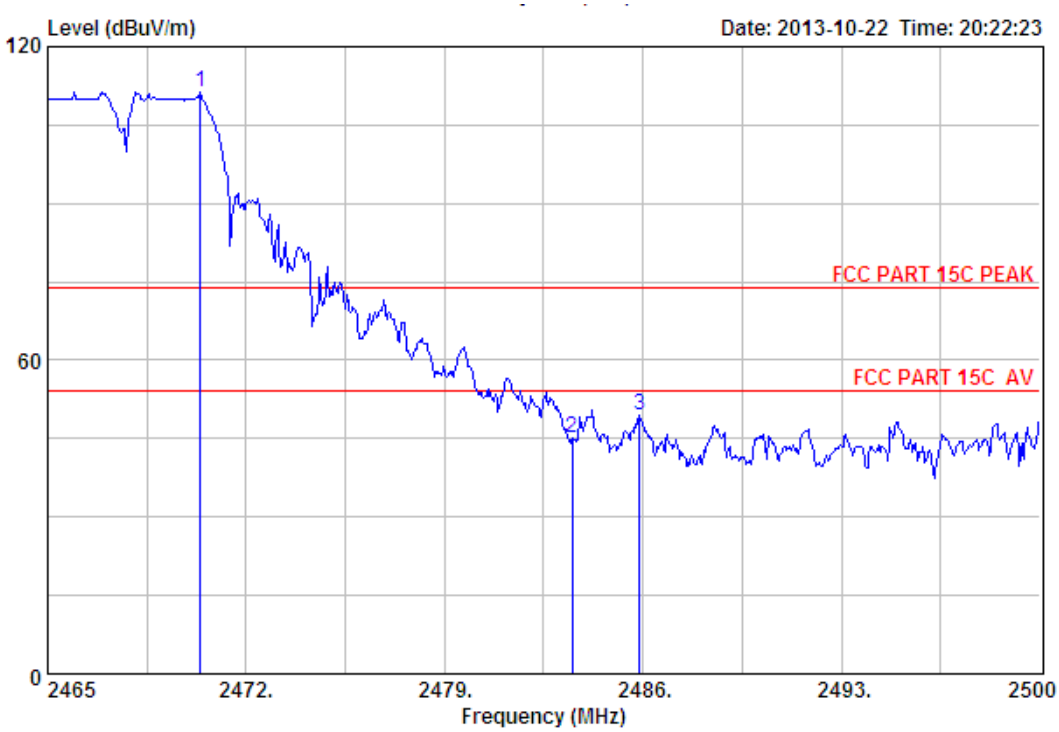
```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```



Site no. : 3m Chamber Data no. : 182
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2469.375MHz(Hopping On)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2469.97	27.58	6.69	34.06	111.04	111.25	74.00	-37.25	Peak
2	2483.50	27.58	6.71	34.03	48.22	48.48	74.00	25.52	Peak
3	2488.87	27.58	6.73	34.03	50.41	50.69	74.00	23.31	Peak

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



Site no. : 3m Chamber Data no. : 183
Dis. / Ant. : 3m ANT 1-18G Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : Temp:25.6';Humi:56%;Press:101.52kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX 2469.375MHz(Hopping On)

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2470.39	27.58	6.69	34.06	111.06	111.27	74.00	-37.27	Peak
2	2483.50	27.58	6.71	34.03	44.79	45.05	74.00	28.95	Peak
3	2485.90	27.58	6.71	34.03	49.31	49.57	74.00	24.43	Peak

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

10. POWER LINE CONDUCTED EMISSIONS

10.1.Limit

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

Notes: 1. * Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

10.2.Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT was charged form PC's USB port which connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#).. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2003 on Conducted Emission Test.

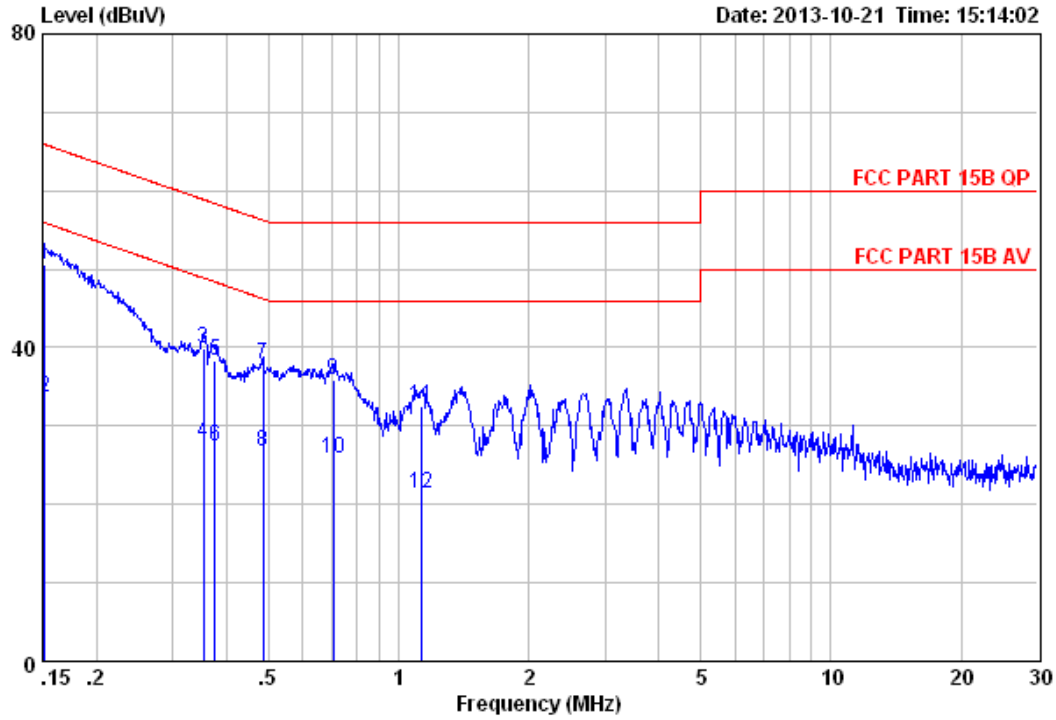
The bandwidth of test receiver (R & S ESHS30) is set at 10kHz.

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

10.3.Test Result

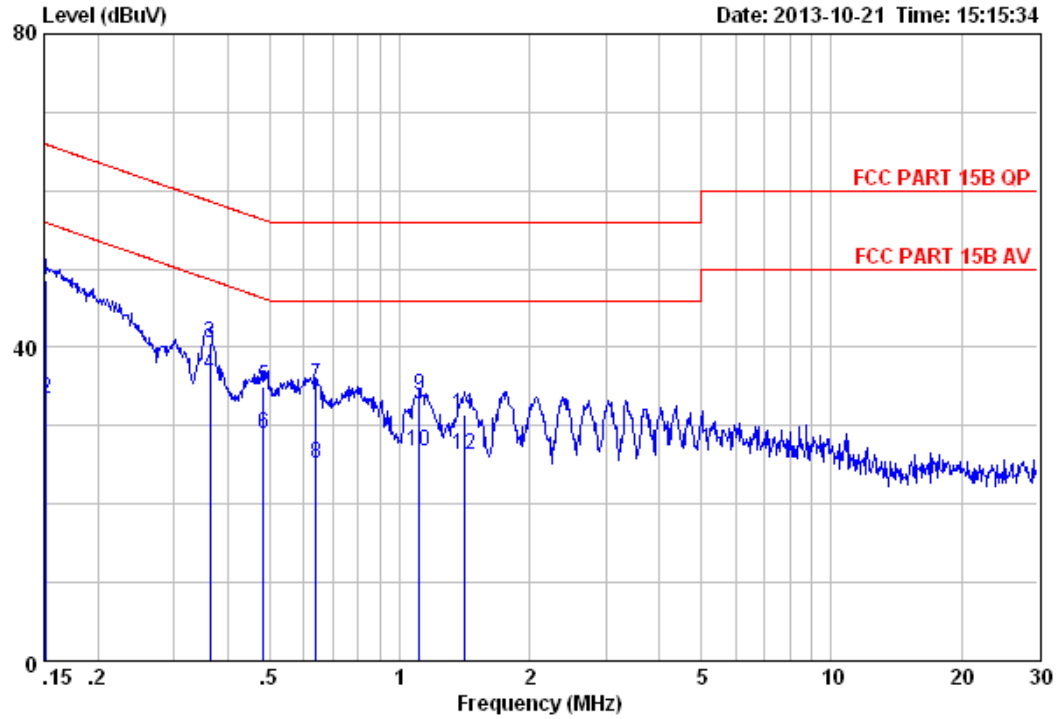
0.15MHz—30MHz Conducted emissison Test result
EUT: Baby Monitor M/N: MB920T
Power: DC 6V From Adapter Input AC 120V/60Hz
Test date: 2013-10-21 Test site: 3m Chamber Tested by: Tony.Tang
Test mode: Tx Mode
Pass

10.4.Test data



Site no. : EST 844 Shielded Room Data no. : 21
Limit : FCC PART 15B QP LINE Phase : LINE
Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuv/m)	Limits (dBuv/m)	Margin (dB)	Remark
1	0.15	9.61	9.81	31.17	50.59	65.91	15.32	QP
2	0.15	9.61	9.81	14.17	33.59	55.91	22.32	Average
3	0.35	9.61	9.83	20.36	39.80	58.87	19.07	QP
4	0.35	9.61	9.83	8.36	27.80	48.87	21.07	Average
5	0.38	9.61	9.82	18.91	38.34	58.39	20.05	QP
6	0.38	9.61	9.82	7.91	27.34	48.39	21.05	Average
7	0.49	9.61	9.81	18.40	37.82	56.23	18.41	QP
8	0.49	9.61	9.81	7.40	26.82	46.23	19.41	Average
9	0.70	9.59	9.81	16.41	35.81	56.00	20.19	QP
10	0.70	9.59	9.81	6.41	25.81	46.00	20.19	Average
11	1.13	9.63	9.82	13.05	32.50	56.00	23.50	QP
12	1.13	9.63	9.82	2.05	21.50	46.00	24.50	Average



Site no. : EST 844 Shielded Room Data no. : 23
Limit : FCC PART 15B QP LINE Phase : NEUTRAL
Env. / Ins. : Temp:24.3'C Humi:58% Press:101.50kPa
Engineer : Tony
EUT : Baby Monitor
Power : DC 6V From Adapter Input AC 120V/60Hz
M/N : MB920T
Test Mode : TX Mode

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuv/m)	Limits (dBuv/m)	Margin (dB)	Remark
1	0.15	9.46	9.81	29.24	48.51	65.91	17.40	QP
2	0.15	9.46	9.81	14.24	33.51	55.91	22.40	Average
3	0.36	9.59	9.82	21.11	40.52	58.65	18.13	QP
4	0.36	9.59	9.82	17.11	36.52	48.65	12.13	Average
5	0.48	9.59	9.81	15.58	34.98	56.27	21.29	QP
6	0.48	9.59	9.81	9.58	28.98	46.27	17.29	Average
7	0.64	9.62	9.81	15.78	35.21	56.00	20.79	QP
8	0.64	9.62	9.81	5.78	25.21	46.00	20.79	Average
9	1.11	9.61	9.82	14.35	33.78	56.00	22.22	QP
10	1.11	9.61	9.82	7.35	26.78	46.00	19.22	Average
11	1.42	9.62	9.82	11.96	31.40	56.00	24.60	QP
12	1.42	9.62	9.82	6.96	26.40	46.00	19.60	Average

11. ANTENNA REQUIREMENTS

11.1. Limit

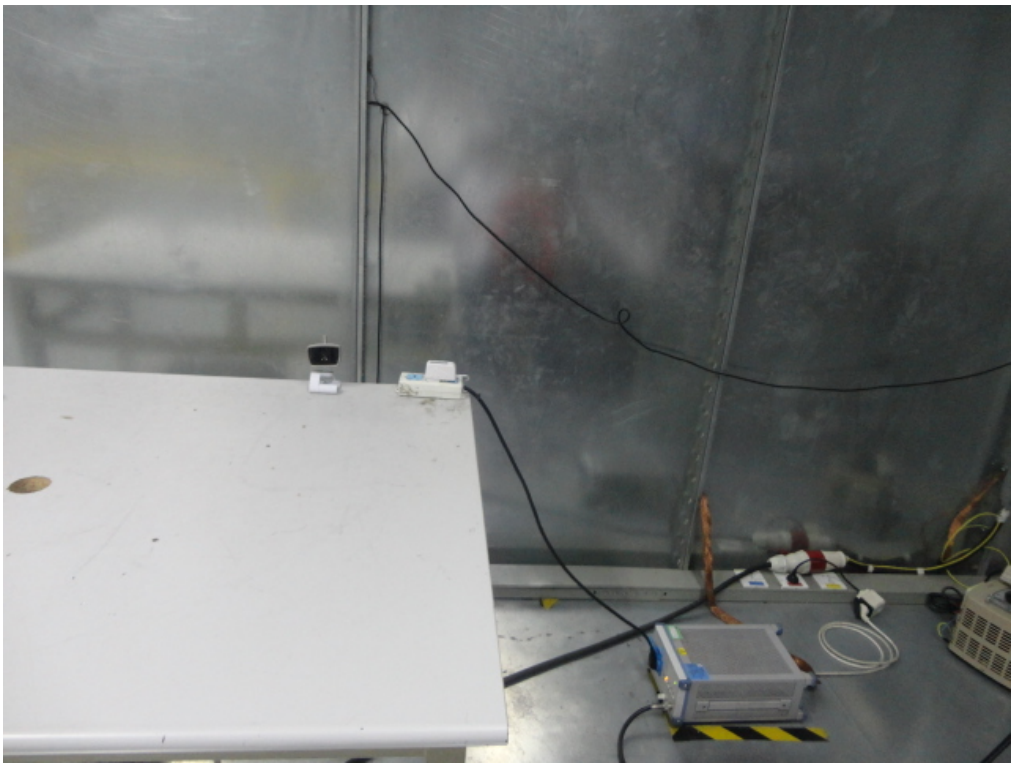
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional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

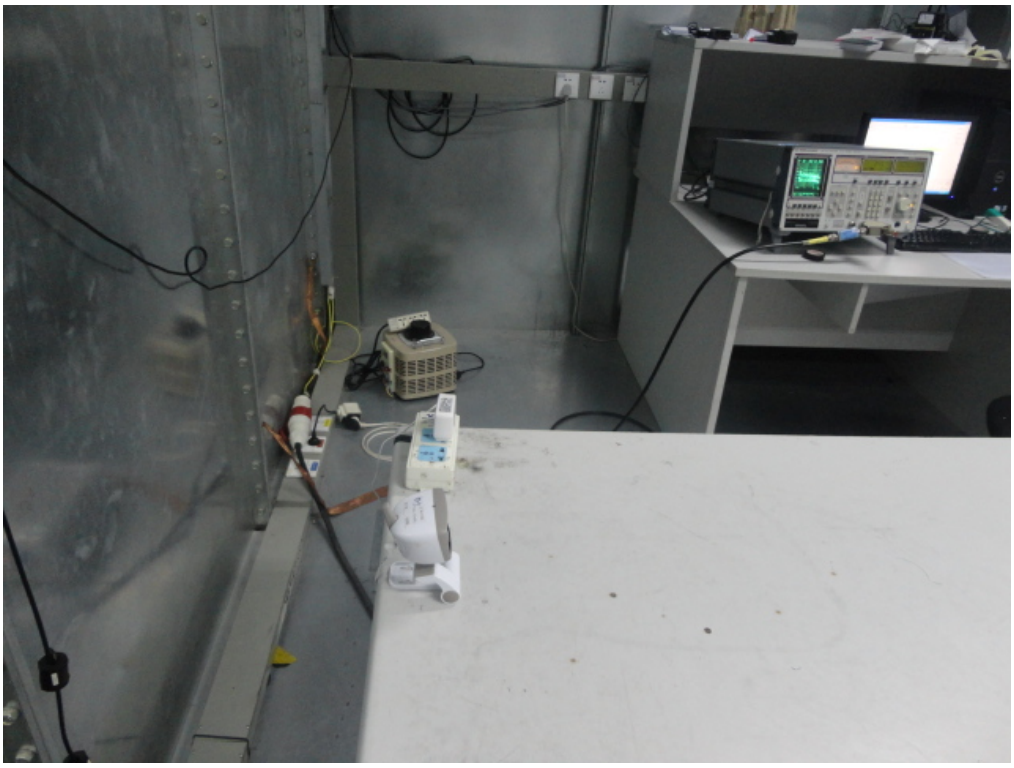
11.2. Result

The antennas used for this product are integral Patch Antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 0.3 dBi.

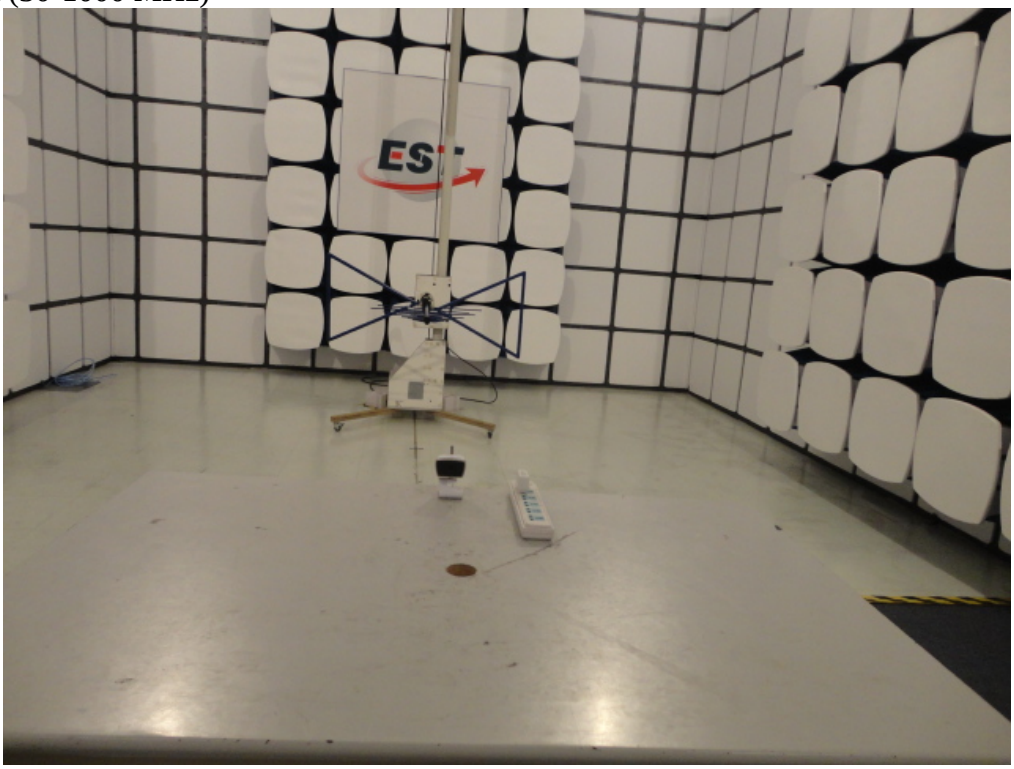
12. TEST SETUP PHOTO

Conducted Test

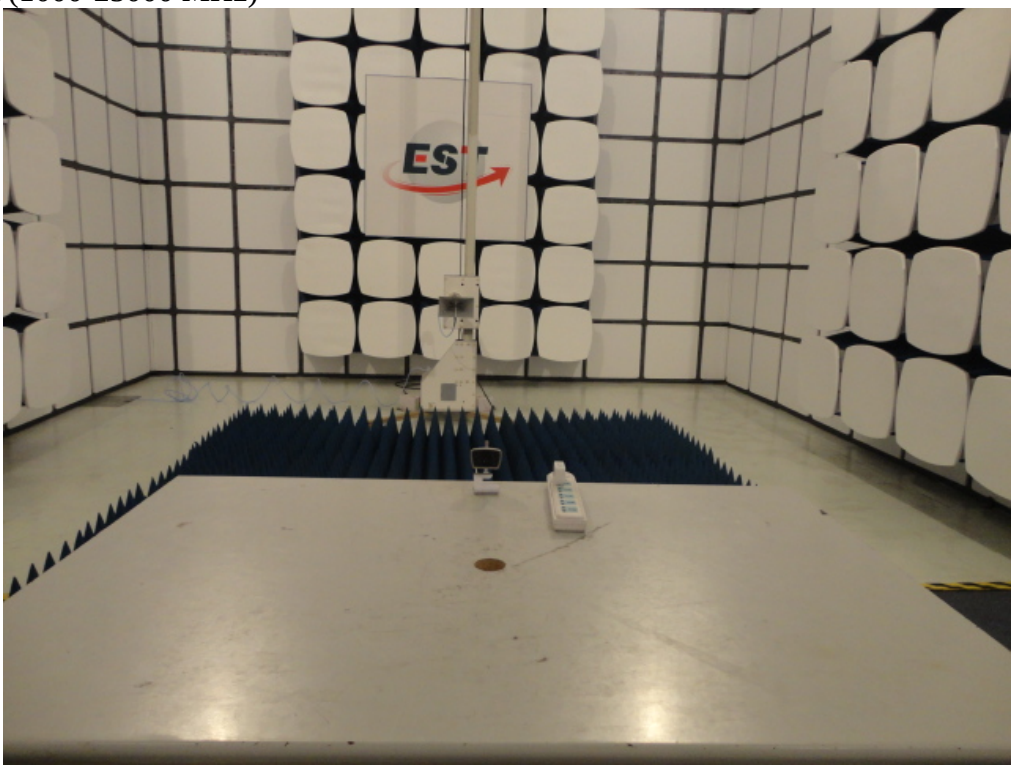




Radiated Test (30-1000 MHz)



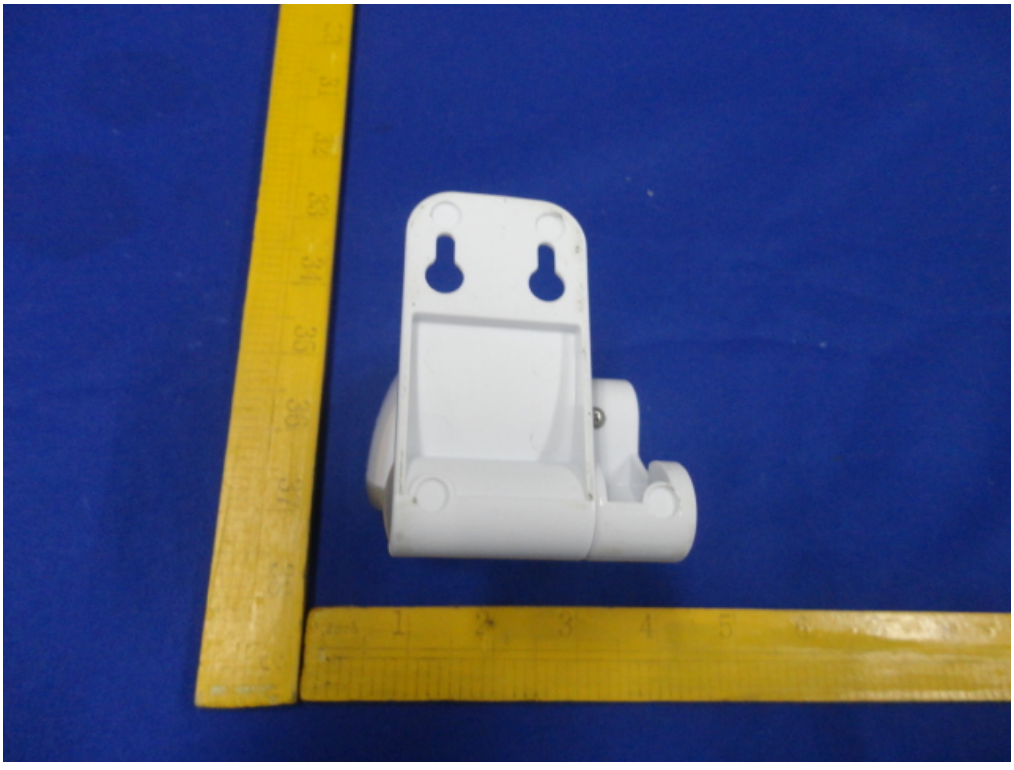
Radiated Test (1000-25000 MHz)



13. PHOTOS OF EUT

External Photos

M/N: MB920T

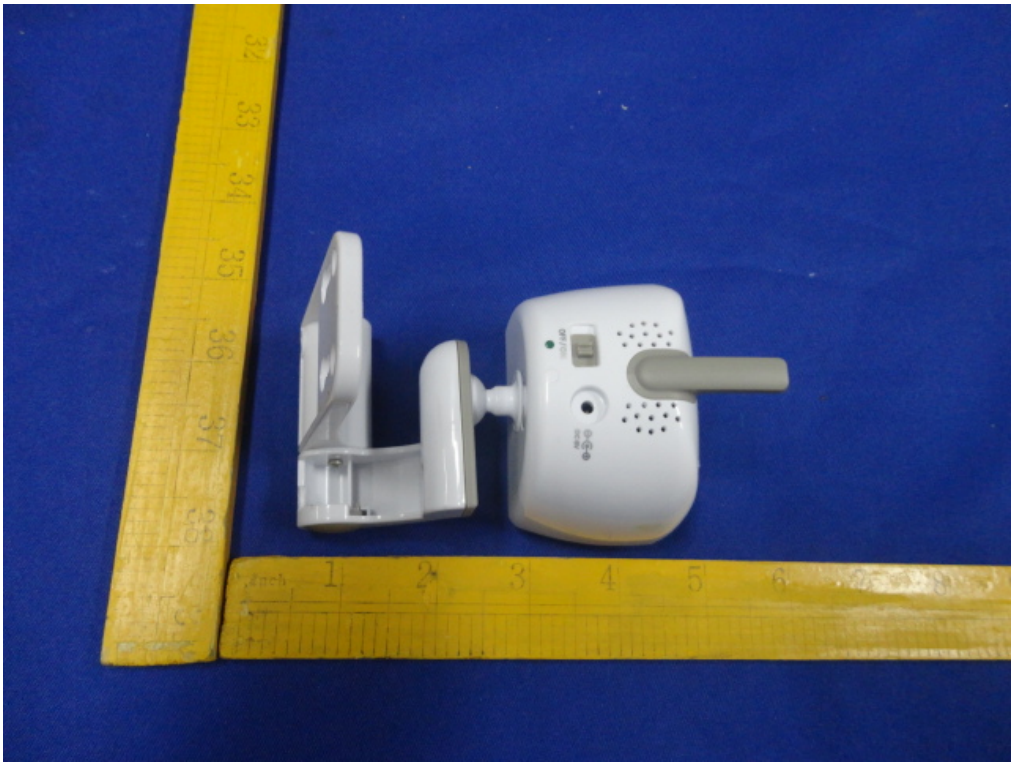


External Photos

M/N: MB920T

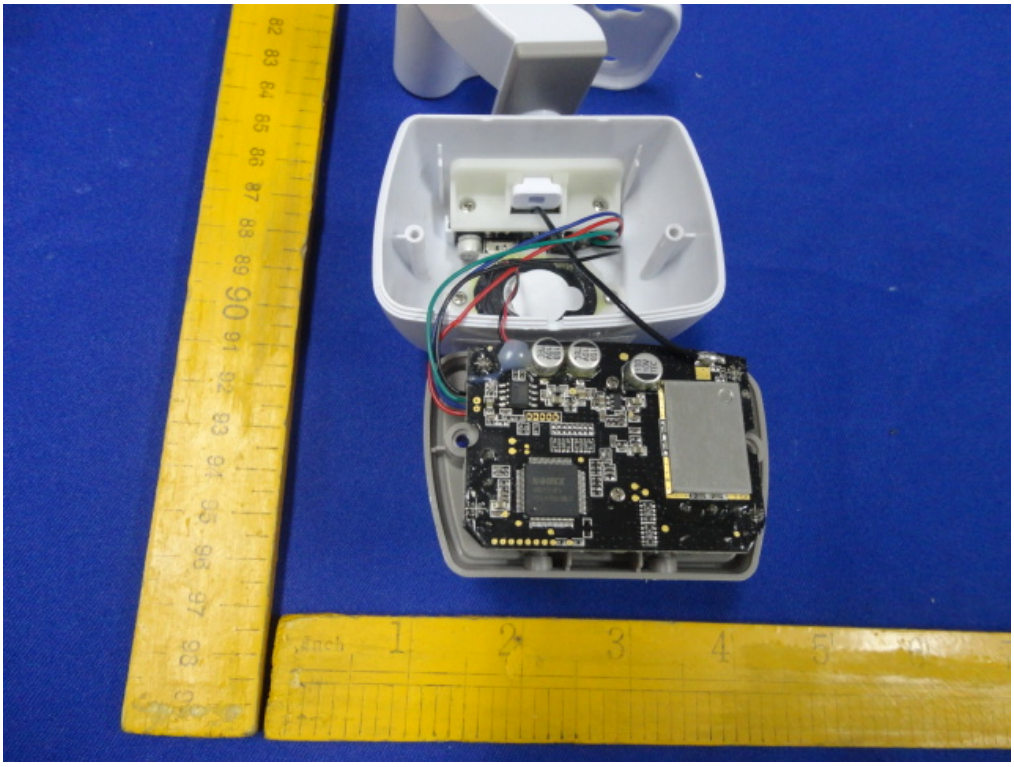
External Photos

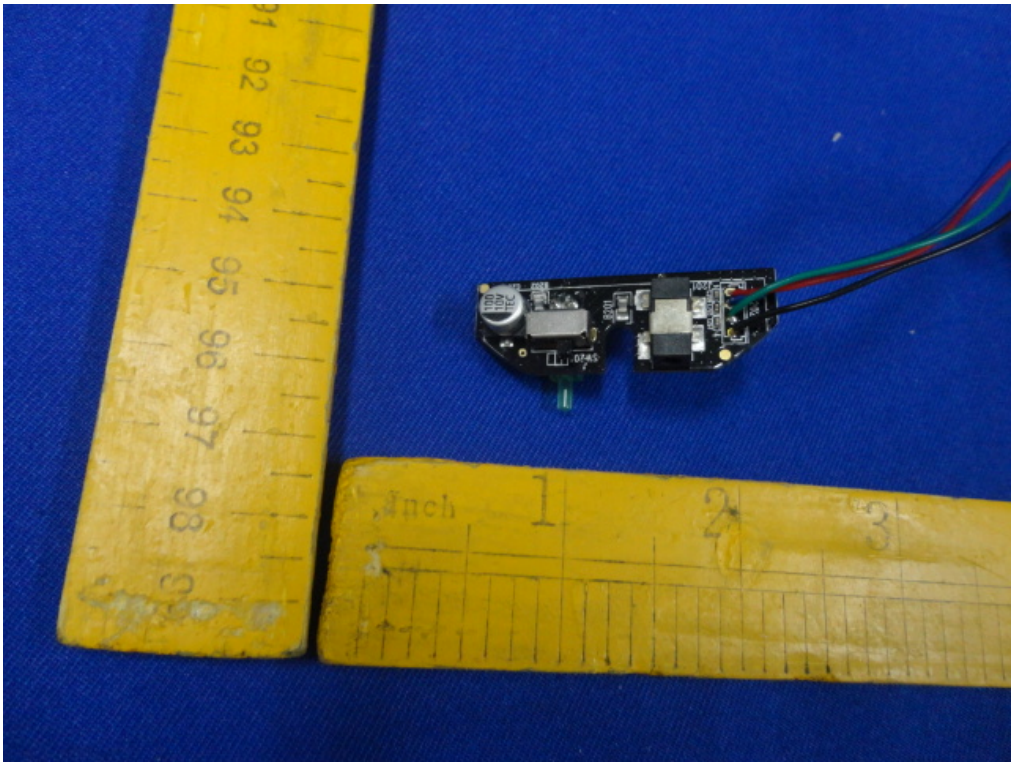
M/N: MB920T



Internal Photos

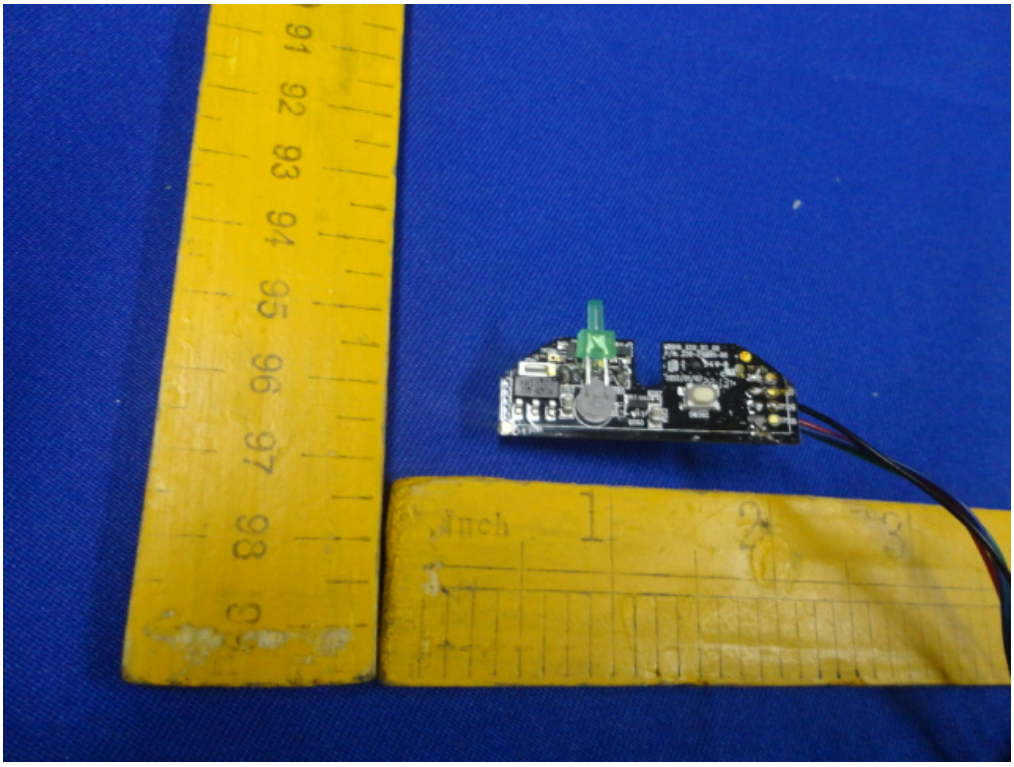
M/N: MB920T

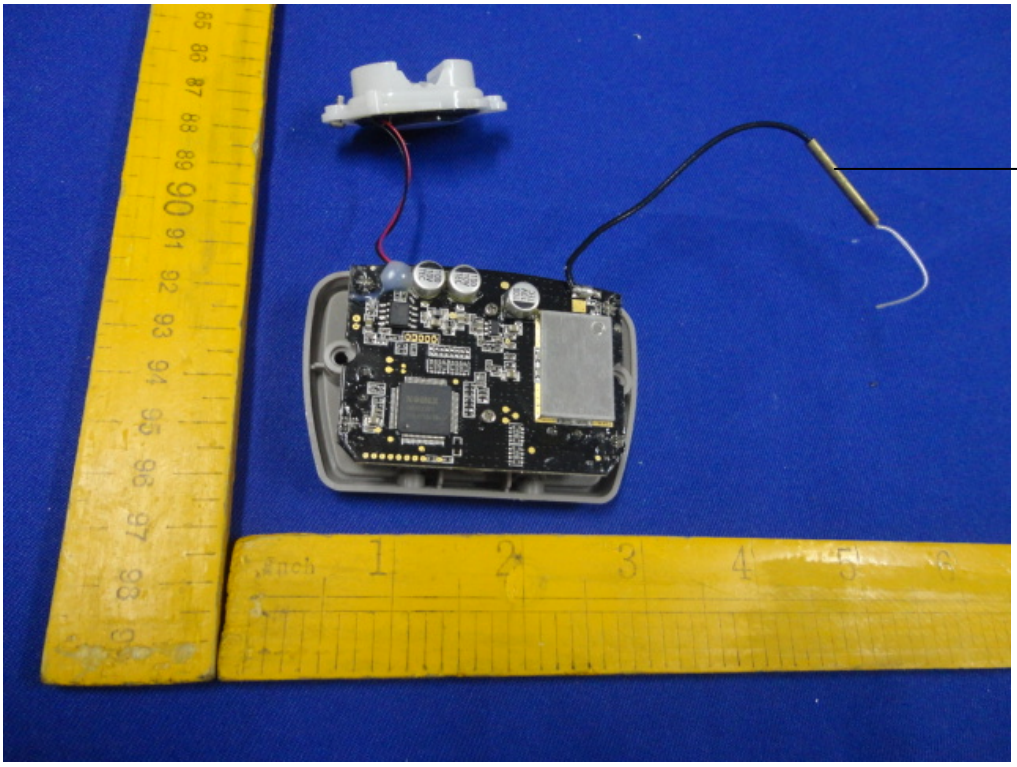




Internal Photos

M/N: MB920T

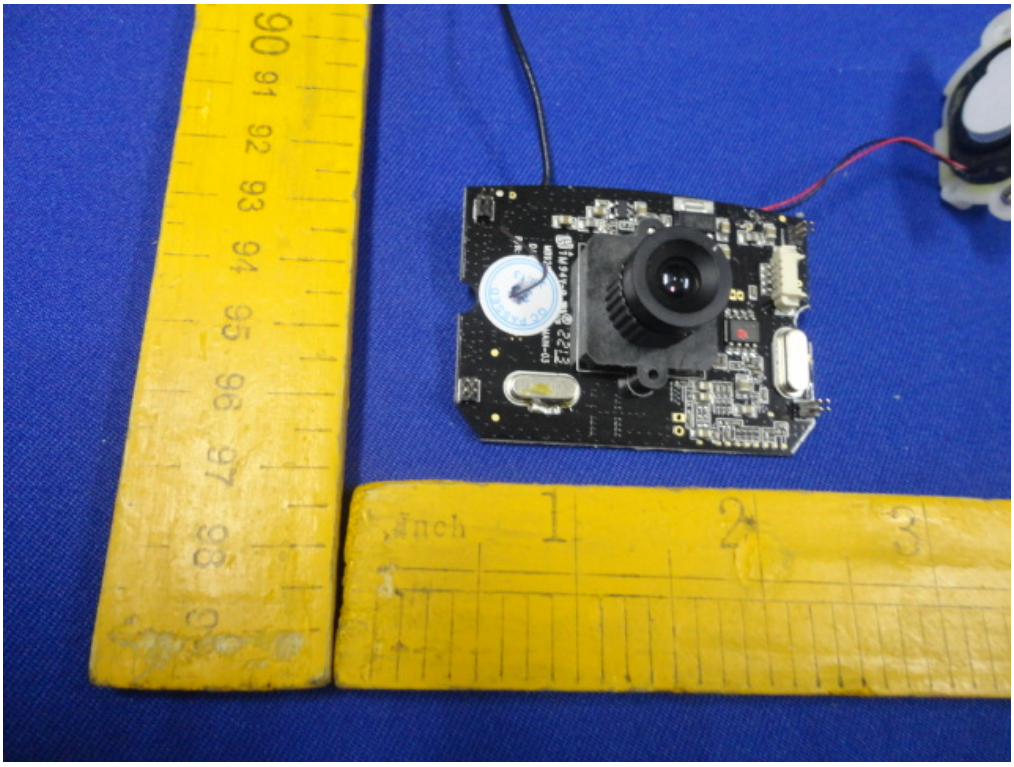


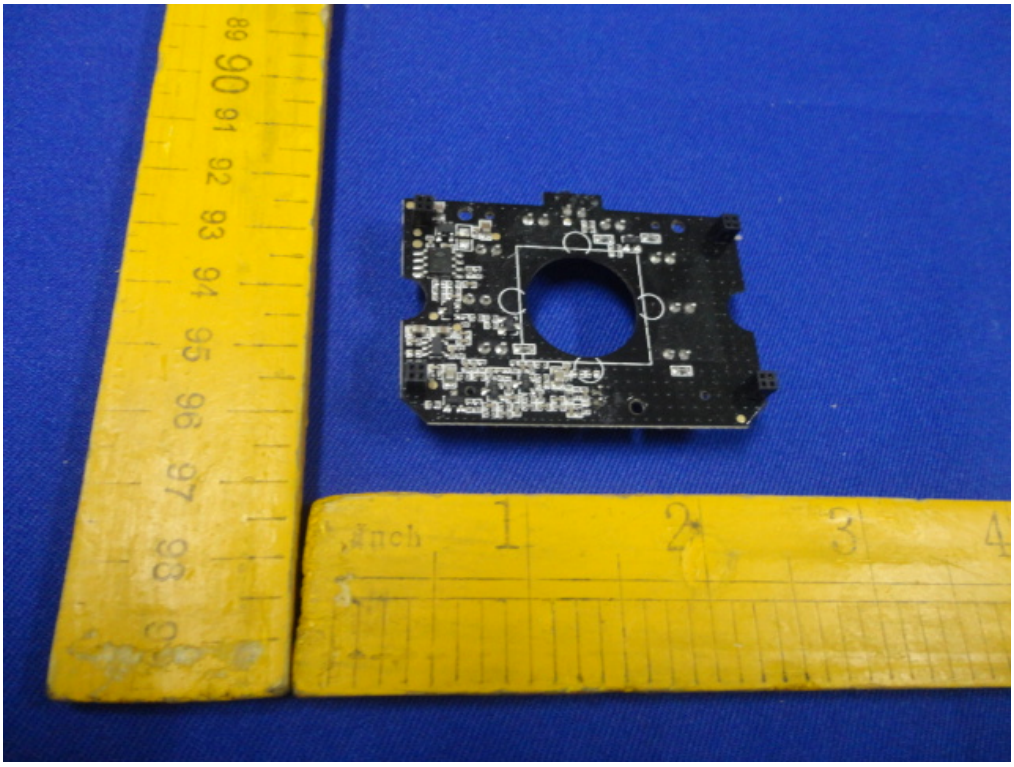


FHSS Antenna

Internal Photos

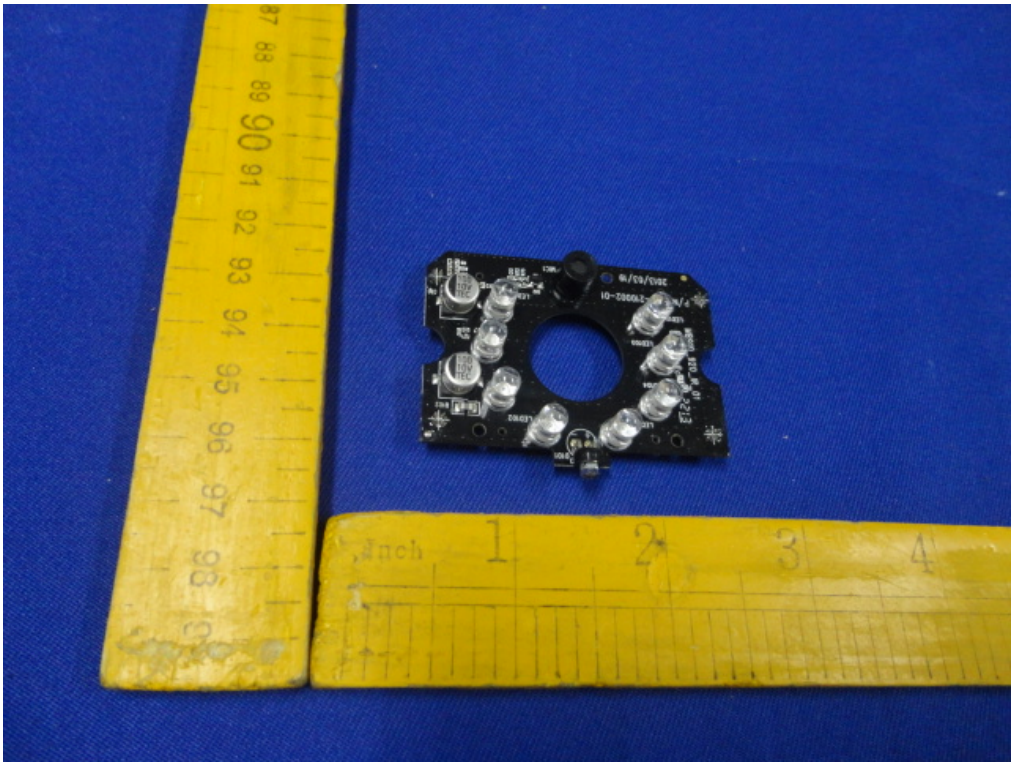
M/N: MB920T

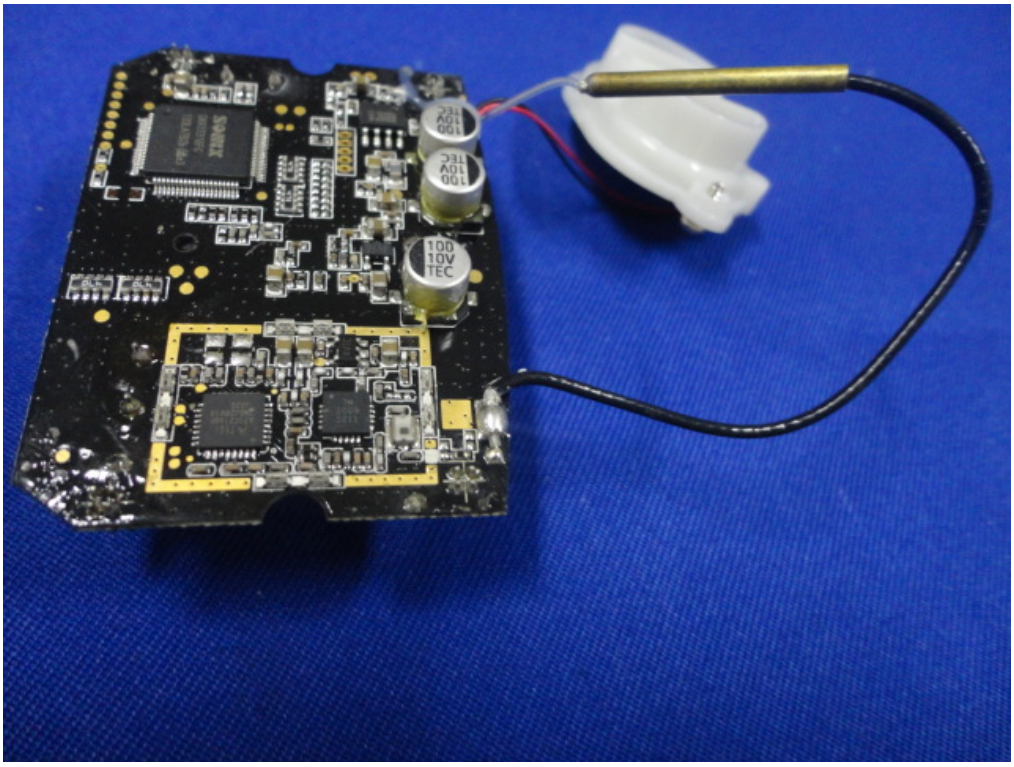




Internal Photos

M/N: MB920T





Adapter Photos