

TEST REPORT

Product Name : Set-Top Box
Brand Mark : Infomir
Model No. : MAG500A
Extension Model : MAG520w3, MAG522w3, MAG524w3
FCC ID : 2AUIR-IM010CXXX1
Report Number : BLA-EMC-202105-A0704
Date of Sample Receipt : 2021/5/6
Date of Test : 2021/5/6 to 2021/8/5
Date of Issue : 2021/8/5
Test Standard : 47 CFR Part 15, Subpart C 15.247
Test Result : Pass

Prepared for:

TELECOMMUNICATION TECHNOLOGIES, LLC
1, Mytna Sq., Odesa, 65026, Ukraine

Prepared by:

BlueAsia of Technical Services(Shenzhen) Co.,Ltd.

**Building C, No. 107, Shihuan Road, Shiyan Sub-District, Baoan District,
Shenzhen, Guangdong Province, China**

TEL: +86-755-23059481

Compiled by:

hagan
Blue.Zhang

Approved by:

Review by:

Swetl

Date: 2021/8/5



REPORT REVISE RECORD

Version No.	Date	Description
00	2021/8/5	Original

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1 TEST SUMMARY

Test item	Test Requirement	Test Method	Class/Severity	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(c)	Pass
Minimum 6dB Bandwidth	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass
Conducted Band Edges Measurement	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.6	47 CFR Part 15, Subpart C 15.247(d)	Pass
Conducted Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.8	47 CFR Part 15, Subpart C 15.247(d)	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass
Radiated Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.4,6.5,6.6	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass
Conducted Peak Output Power	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.5	47 CFR Part 15, Subpart C 15.247(b)(1)	Pass
Power Spectrum Density	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Pass

1 GENERAL INFORMATION

Applicant	TELECOMMUNICATION TECHNOLOGIES, LLC
Address	1, Mytna Sq., Odesa, 65026, Ukraine
Manufacturer	TELECOMMUNICATION TECHNOLOGIES, LLC
Address	1, Mytna Sq., Odesa, 65026, Ukraine
Factory	TELECOMMUNICATION TECHNOLOGIES, LLC
Address	1, Mytna Sq., Odesa, 65026, Ukraine
Product Name	Set-Top Box
Test Model No.	MAG500A

2 GENERAL DESCRIPTION OF E.U.T.

Hardware Version	06C
Software Version	V.1.2.0
Operation Frequency:	802.11b/g/n(HT20): 2412MHz to 2462MHz 802.11n(HT40): 2422MHz to 2452MHz
Modulation Type:	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Channel Spacing:	5MHz
Number of Channels:	11
Antenna Type:	Patch Antenna
Antenna Gain:	2.69 dBi(Provided by the applicant)

3 TEST ENVIRONMENT

Environment	Temperature	Voltage
Normal	25°C	5Vdc

4 TEST MODE

TEST MODE	TEST MODE DESCRIPTION
TX	Keep the EUT in transmitting mode with modulation(>98% Duty cycle)

Remark: Only the data of the worst mode would be recorded in this report.

5 MEASUREMENT UNCERTAINTY

Parameter	Expanded Uncertainty (Confidence of 95%)
Radiated Emission(9kHz-30MHz)	±4.34dB
Radiated Emission(30MHz-1000MHz)	±4.24dB
Radiated Emission(1GHz-18GHz)	±4.68dB
AC Power Line Conducted Emission(150kHz-30MHz)	±3.45dB

6 DESCRIPTION OF SUPPORT UNIT

Device Type	Manufacturer	Model Name	Serial No.	Remark
PC	HASEE	K610D	N/A	N/A

7 LABORATORY LOCATION

All tests were performed at:
BlueAsia of Technical Services(Shenzhen) Co., Ltd.
Building C, No. 107, Shihuan Road, Shiyan Sub-District, Baoan District, Shenzhen, Guangdong Province,
China
Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673
No tests were sub-contracted.

8 TEST INSTRUMENTS LIST

Test Equipment Of Minimum 6dB Bandwidth					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2020/10/12	2021/10/11
Spectrum	Agilent	N9020A	MY49100060	2020/10/12	2021/10/11
Signal Generator	Agilent	N5182A	MY49060650	2020/10/12	2021/10/11
Signal Generator	Agilent	E8257D	MY44320250	2020/10/12	2021/10/11

Test Equipment Of Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Shield room	SKET	833	N/A	2020/11/25	2023/11/24
Receiver	R&S	ESPI3	101082	2020/10/12	2021/10/11
LISN	R&S	ENV216	3560.6550.15	2020/10/12	2021/10/11
LISN	AT	AT166-2	AKK1806000003	2020/10/12	2021/10/11
EMI software	EZ	EZ-EMC	EEMC-3A1	N/A	N/A

Test Equipment Of Conducted Peak Output Power					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2020/10/12	2021/10/11
Spectrum	Agilent	N9020A	MY49100060	2020/10/12	2021/10/11
Signal Generator	Agilent	N5182A	MY49060650	2020/10/12	2021/10/11
Signal Generator	Agilent	E8257D	MY44320250	2020/10/12	2021/10/11

Test Equipment Of Power Spectrum Density					
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Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2020/10/12	2021/10/11
Spectrum	Agilent	N9020A	MY49100060	2020/10/12	2021/10/11
Signal Generator	Agilent	N5182A	MY49060650	2020/10/12	2021/10/11
Signal Generator	Agilent	E8257D	MY44320250	2020/10/12	2021/10/11

Test Equipment Of Conducted Band Edges Measurement					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2020/10/12	2021/10/11
Spectrum	Agilent	N9020A	MY49100060	2020/10/12	2021/10/11
Signal Generator	Agilent	N5182A	MY49060650	2020/10/12	2021/10/11
Signal Generator	Agilent	E8257D	MY44320250	2020/10/12	2021/10/11

Test Equipment Of Conducted Spurious Emissions					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Spectrum	R&S	FSP40	100817	2020/10/12	2021/10/11
Spectrum	Agilent	N9020A	MY49100060	2020/10/12	2021/10/11
Signal Generator	Agilent	N5182A	MY49060650	2020/10/12	2021/10/11
Signal Generator	Agilent	E8257D	MY44320250	2020/10/12	2021/10/11

Test Equipment Of Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Chamber	SKET	966	N/A	2020/11/10	2023/11/9
Spectrum	R&S	FSP40	100817	2020/10/12	2021/10/11

Receiver	R&S	ESR7	101199	2020/10/12	2021/10/11
broadband Antenna	Schwarzbeck	VULB9168	00836 P:00227	2020/9/26	2022/9/25
Horn Antenna	Schwarzbeck	9120D	01892 P:00331	2020/9/26	2022/9/25
Amplifier	SKET	PA-000318G-45	N/A	2020/10/16	2021/10/15
EMI software	EZ	EZ-EMC	EEMC-3A1	N/A	N/A
Loop antenna	SCHNARZBECK	FMZB1519B	00102	2020/9/26	2022/9/25
Controller	SKET	N/A	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-02	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-03	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-01	N/A	N/A	N/A

Test Equipment Of Radiated Spurious Emissions					
Equipment	Manufacturer	Model	S/N	Cal.Date	Cal.Due
Chamber	SKET	966	N/A	2020/11/10	2023/11/9
Spectrum	R&S	FSP40	100817	2020/10/12	2021/10/11
Receiver	R&S	ESR7	101199	2020/10/12	2021/10/11
broadband Antenna	Schwarzbeck	VULB9168	00836 P:00227	2020/9/26	2022/9/25
Horn Antenna	Schwarzbeck	9120D	01892 P:00331	2020/9/26	2022/9/25
Amplifier	SKET	PA-000318G-45	N/A	2020/10/16	2021/10/15
EMI software	EZ	EZ-EMC	EEMC-3A1	N/A	N/A
Loop antenna	SCHNARZBECK	FMZB1519B	00102	2020/9/26	2022/9/25
Controller	SKET	N/A	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-02	N/A	N/A	N/A

Coaxial Cable	BlueAsia	BLA-XC-03	N/A	N/A	N/A
Coaxial Cable	BlueAsia	BLA-XC-01	N/A	N/A	N/A

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9 ANTENNA REQUIREMENT

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	N/A

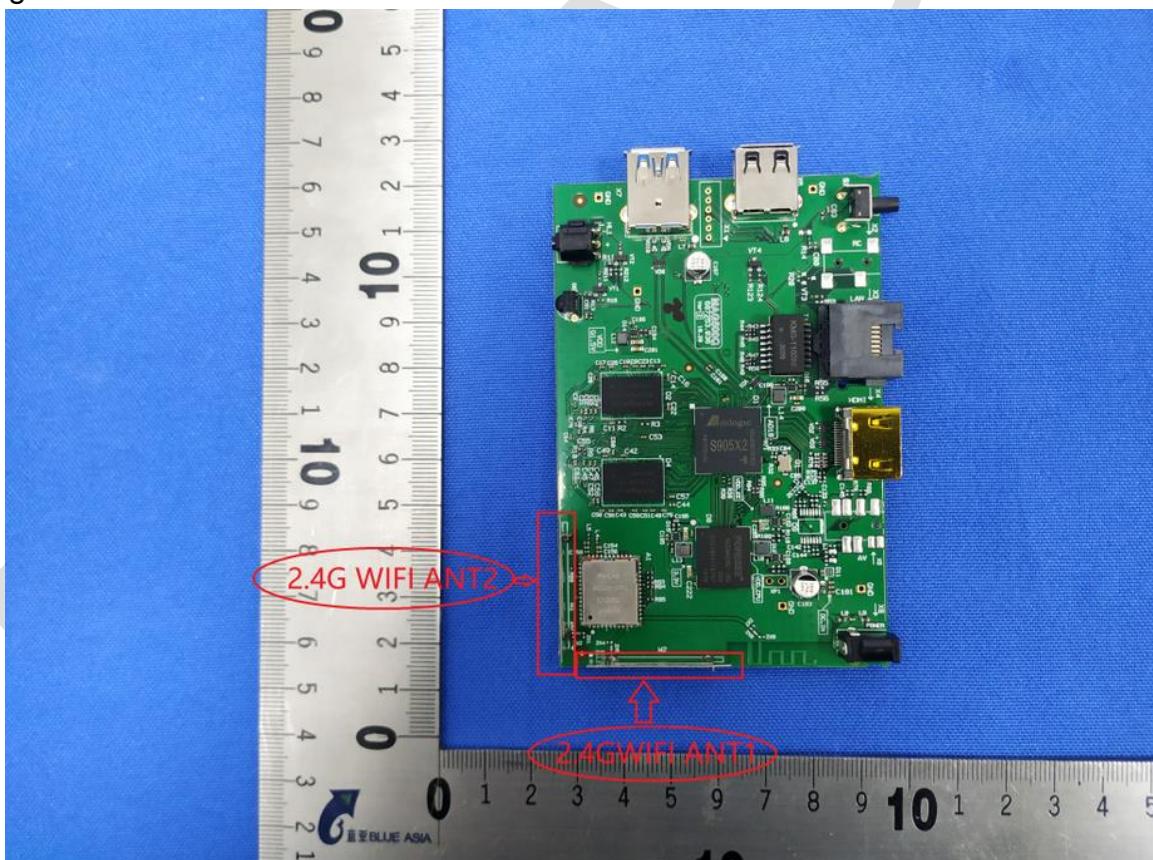
9.1 CONCLUSION

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 2.69 dBi.



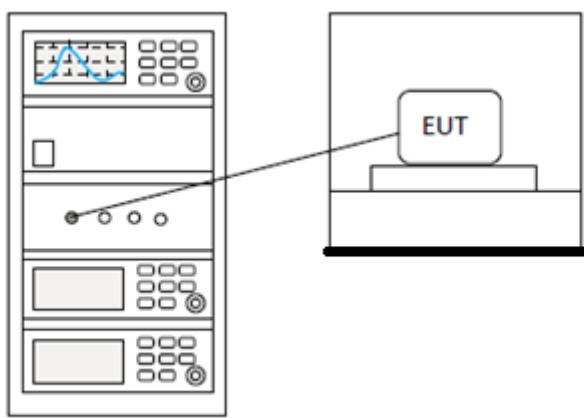
10 MINIMUM 6DB BANDWIDTH

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 11.8.1
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Eason
Temperature	25 °C
Humidity	52%

10.1 LIMITS

Limit: ≥ 500 kHz

10.2 BLOCK DIAGRAM OF TEST SETUP



10.3 TEST DATA

Pass: Please Refer To Appendix: Appendix 1 For Details

11 CONDUCTED EMISSIONS AT AC POWER LINE (150KHZ-30MHZ)

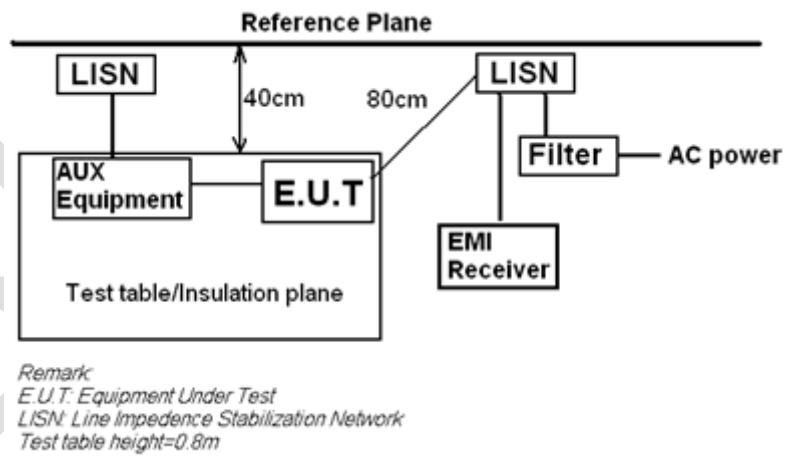
Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 6.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Eason
Temperature	25 °C
Humidity	52%

11.1 LIMITS

Frequency of emission(MHz)	Conducted limit(dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

11.2 BLOCK DIAGRAM OF TEST SETUP



11.3 PROCEDURE

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50 Ω H + 50hm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,

4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.

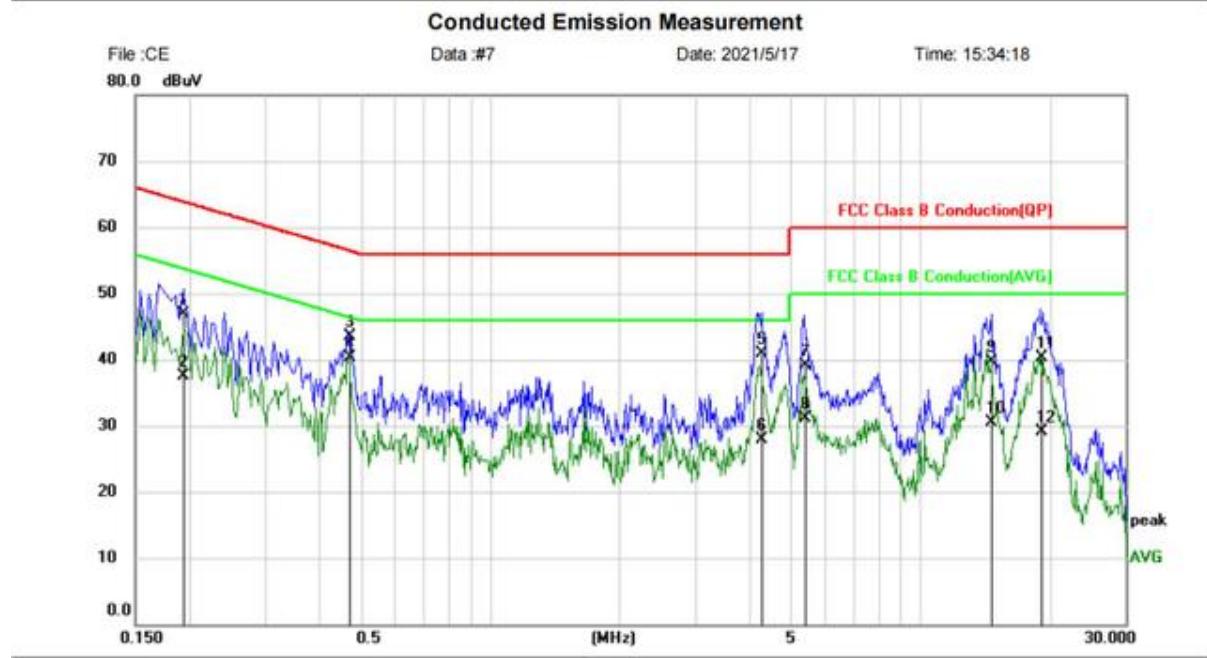
5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: LISN=Read Level+ Cable Loss+ LISN Factor

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11.4 TEST DATA

[TestMode: TX]; [Line: Line] [Power:AC120V/60Hz]



Site Phase:

Phase: **L1**

Temperature:

Limit: FCC Class B Conduction(QP)

Humidity: %

EUT: Set-Top Box

M/N: MAG500A

Mode

No. Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		Level	Factor	ment		dBuV	dB	Detector
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.1940	37.12	9.83	46.95	63.86	-16.91	QP	
2	0.1940	27.60	9.83	37.43	53.86	-16.43	AVG	
3	0.4700	33.63	9.87	43.50	56.51	-13.01	QP	
4 *	0.4700	30.42	9.87	40.29	46.51	-6.22	AVG	
5	4.2819	30.84	9.99	40.83	56.00	-15.17	QP	
6	4.2819	17.98	9.99	27.97	46.00	-18.03	AVG	
7	5.3859	29.15	10.03	39.18	60.00	-20.82	QP	
8	5.3859	21.04	10.03	31.07	50.00	-18.93	AVG	
9	14.6020	29.45	10.34	39.79	60.00	-20.21	QP	
10	14.6020	20.23	10.34	30.57	50.00	-19.43	AVG	
11	19.0620	29.92	10.41	40.33	60.00	-19.67	QP	
12	19.0620	18.76	10.41	29.17	50.00	-20.83	AVG	

*:Maximum data x:Over limit !:over margin

⟨Reference Only

Test Result: Pass

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[TestMode: TX]; [Line: Nutral] [Power: AC120V/60Hz]

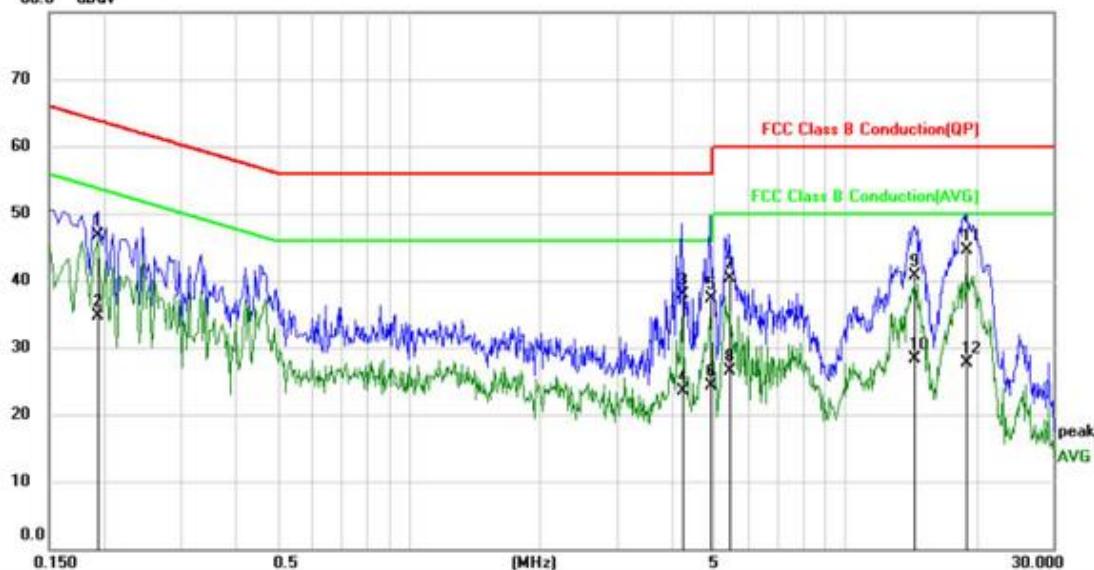
Conducted Emission Measurement

File :CE
80.0 dBuV

Data :#8

Date: 2021/5/17

Time: 15:36:14



Site

Phase: **N**

Temperature:

Limit: FCC Class B Conduction(QP)

Power:

Humidity: %

EUT: Set-Top Box

M/N: MAG500A

Mode: 2.4G WIFI mode

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dB			
1		0.1940	36.94	9.75	46.69	63.86	-17.17	QP	
2		0.1940	25.02	9.75	34.77	53.86	-19.09	AVG	
3		4.2460	27.96	9.92	37.88	56.00	-18.12	QP	
4		4.2460	13.61	9.92	23.53	46.00	-22.47	AVG	
5		4.9140	27.36	9.95	37.31	56.00	-18.69	QP	
6		4.9140	14.30	9.95	24.25	46.00	-21.75	AVG	
7		5.4420	30.39	9.96	40.35	60.00	-19.65	QP	
8		5.4420	16.57	9.96	26.53	50.00	-23.47	AVG	
9		14.4140	30.39	10.29	40.68	60.00	-19.32	QP	
10		14.4140	18.01	10.29	28.30	50.00	-21.70	AVG	
11	*	18.9340	34.04	10.41	44.45	60.00	-15.55	QP	
12		18.9340	17.30	10.41	27.71	50.00	-22.29	AVG	

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

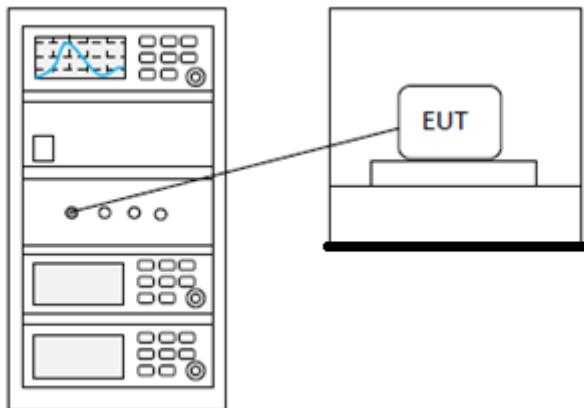
12 CONDUCTED PEAK OUTPUT POWER

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.5
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Eason
Temperature	25 °C
Humidity	52%

12.1 LIMITS

Frequency range(MHz)	Output power of the intentional radiator(watt)
902-928	1 for ≥ 50 hopping channels
	0.25 for $25 \leq$ hopping channels < 50
	1 for digital modulation
2400-2483.5	1 for ≥ 75 non-overlapping hopping channels
	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

12.2 BLOCK DIAGRAM OF TEST SETUP



12.3 EST DATA

Pass: Please Refer To Appendix: For Details

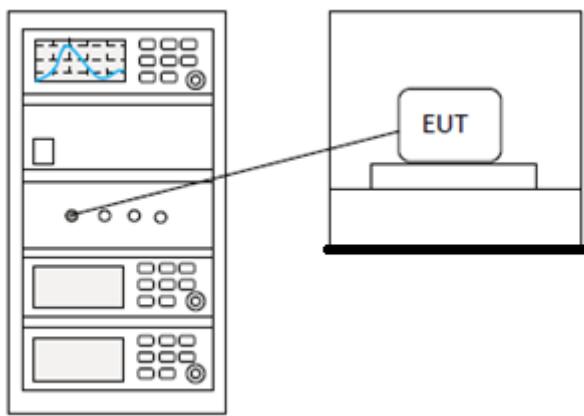
13 POWER SPECTRUM DENSITY

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 11.10.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Eason
Temperature	25 °C
Humidity	52%

13.1 LIMITS

Limit: $\leq 8\text{dBm}$ in any 3 kHz band during any time interval of continuous transmission

13.2 BLOCK DIAGRAM OF TEST SETUP



13.3 TEST DATA

Pass: Please Refer To Appendix: For Details

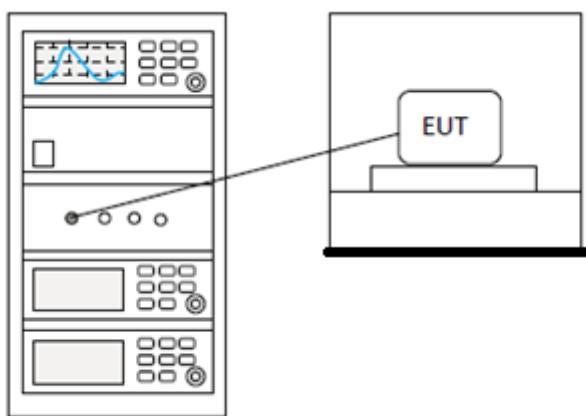
14 CONDUCTED BAND EDGES MEASUREMENT

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.6
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Eason
Temperature	25 °C
Humidity	52%

14.1 LIMITS

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. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).
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14.2 BLOCK DIAGRAM OF TEST SETUP



14.3 TEST DATA

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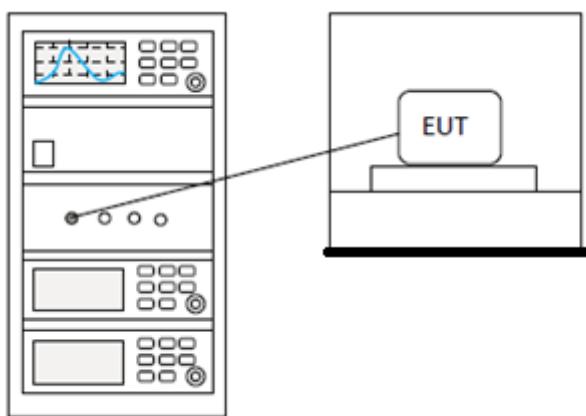
15 CONDUCTED SPURIOUS EMISSIONS

Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 7.8.8
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Eason
Temperature	25 °C
Humidity	52%

15.1 LIMITS

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. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).
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15.2 BLOCK DIAGRAM OF TEST SETUP



15.3 TEST DATA

Pass: Please Refer To Appendix: For Details

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16 RADIATED EMISSIONS WHICH FALL IN THE RESTRICTED BANDS

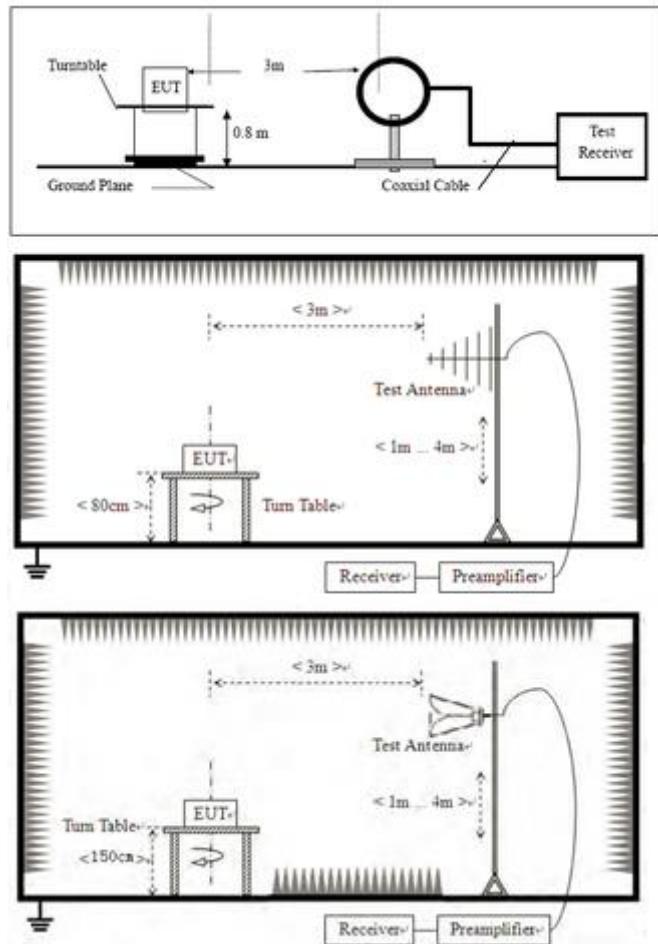
Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 6.10.5
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Eason
Temperature	25 °C
Humidity	52%

16.1 LIMITS

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

16.2 BLOCK DIAGRAM OF TEST SETUP



16.3 PROCEDURE

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

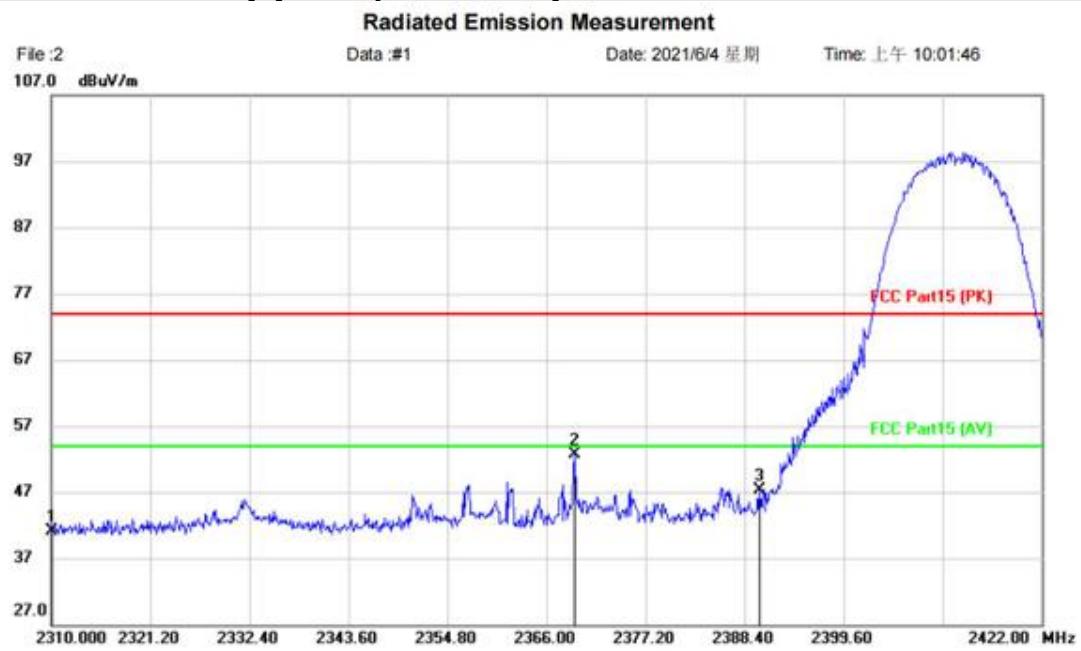
Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

BlueAsia

16.4 TEST DATA

[TestMode: 802.11b-2412]; [Polarity: Horizontal]



Site

Limit: FCC Part15 (PK)

EUT: Set-Top Box

M/N: MAG500A

Mode: 802.11b-2412

Note:

Polarization: **Horizontal**

Power:

Temperature:

Humidity: %

Distance:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2310.000	45.76	-4.61	41.15	74.00	-32.85	peak		
2	*	2369.248	56.99	-4.36	52.63	74.00	-21.37	peak		
3		2390.000	51.60	-4.27	47.33	74.00	-26.67	peak		

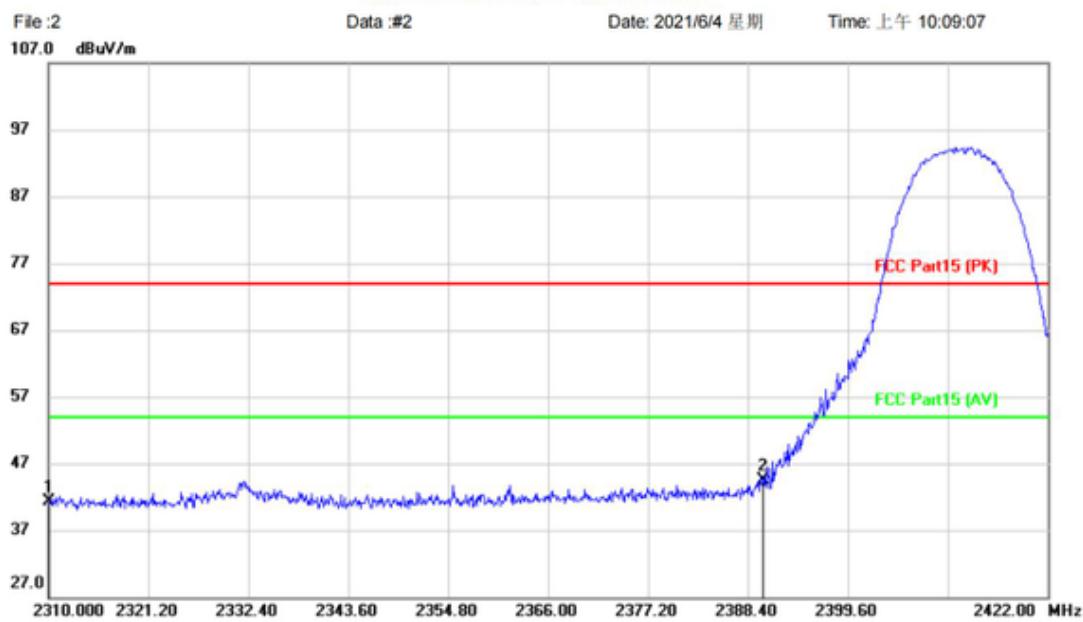
◀

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[TestMode: 802.11b-2412]; [Polarity: Vertical]

Radiated Emission Measurement


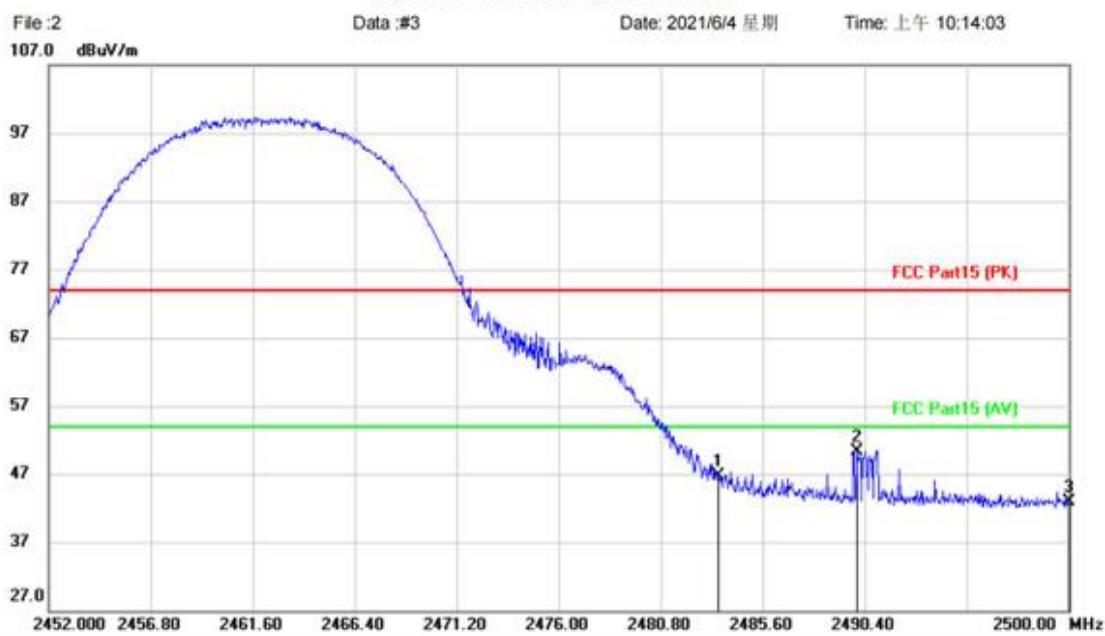
Site: Polarization: **Vertical** Temperature:
 Limit: FCC Part15 (PK) Power: Humidity: %
 EUT: Set-Top Box Distance:
 M/N: MAG500A
 Mode: 802.11b-2412
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	45.97	-4.61	41.36	74.00	-32.64	peak			
2	*	2390.000	48.76	-4.27	44.49	74.00	-29.51	peak			

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[**TestMode: 802.11b-2462]; [Polarity: Horizontal]**
Radiated Emission Measurement


Site

Polarization: **Horizontal**

Temperature:

Limit: FCC Part15 (PK)

Power:

Humidity: %

EUT: Set-Top Box

Distance:

M/N: MAG500A

Mode: 802.11b-2462

Note:

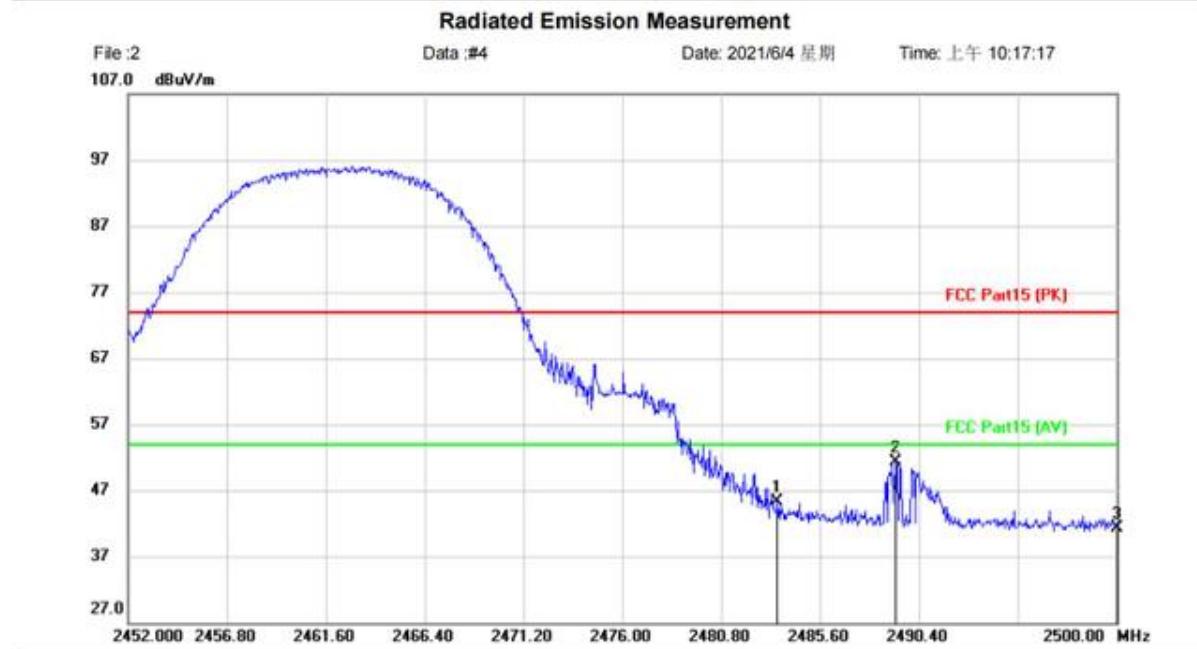
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree									
										MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	50.59	-3.84	46.75	74.00	-27.25	peak										
2	*	2490.064	54.18	-3.81	50.37	74.00	-23.63	peak										
3		2500.000	46.60	-3.78	42.82	74.00	-31.18	peak										

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[TestMode: 802.11b-2462]; [Polarity: Vertical]



Site	Polarization: Vertical	Temperature:
Limit: FCC Part15 (PK)	Power:	Humidity: %
EUT: Set-Top Box	Distance:	
M/N: MAG500A		
Mode: 802.11b-2462		
Note:		

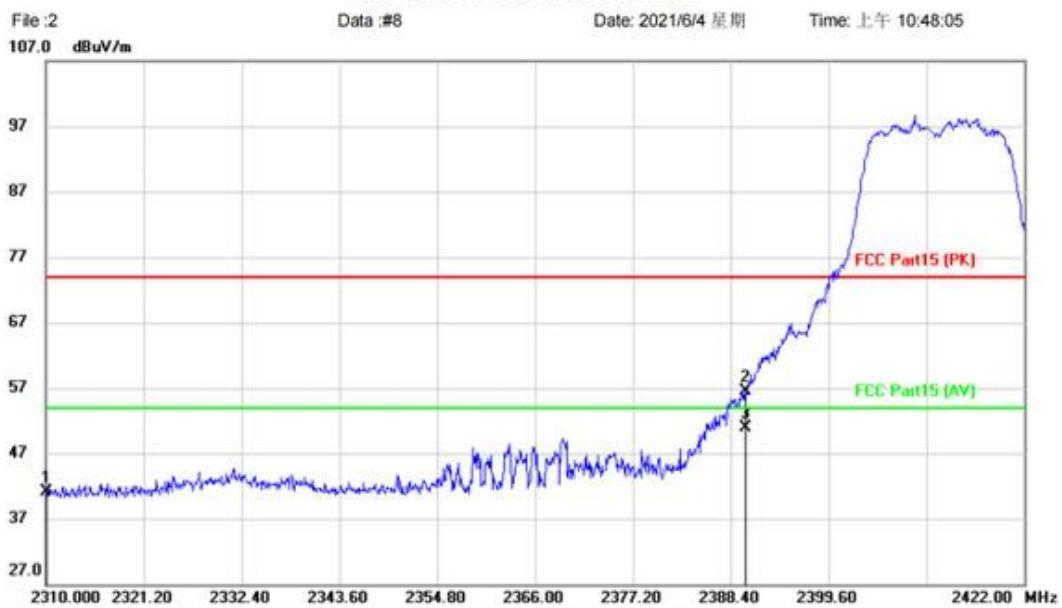
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table		
			Level	Factor	ment				Height	Degree	
			MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	49.12	-3.84	45.28	74.00	-28.72	peak			
2	*	2489.296	55.13	-3.83	51.30	74.00	-22.70	peak			
3		2500.000	44.99	-3.78	41.21	74.00	-32.79	peak			

*:Maximum data x:Over limit !:over margin

⟨Reference Only⟩

Test Result: Pass

[TestMethod: 802.11g-2412]; [Polarity: Horizontal]

Radiated Emission Measurement


Site: Polarization: **Horizontal** Temperature:
Limit: FCC Part15 (PK) Power: Humidity: %
EUT: Set-Top Box Distance:
M/N: MAG500A
Mode: 802.11g-2412
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2310.000	45.64	-4.61	41.03	74.00	-32.97	peak		
2		2390.000	60.76	-4.27	56.49	74.00	-17.51	peak		
3	*	2390.000	55.09	-4.27	50.82	54.00	-3.18	AVG		

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[TestMode: 802.11g-2412]; [Polarity: Vertical]

Radiated Emission Measurement

File :2
107.0 dBuV/m

Data #7

Date: 2021/6/4 星期

Time: 上午 10:43:18



Site

Polarization: **Vertical**

Temperature:

Limit: FCC Part15 (PK)

Power

Humidity: %

EUT: Set-Top Box

Distance:

M/N: MAG500A

Mode: 802.11g-2412

Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	2310.000	45.30	-4.61	40.69	74.00	-33.31	peak		
2	2390.000	55.25	-4.27	50.98	74.00	-23.02	peak		
3 *	2387.168	57.27	-4.29	52.98	74.00	-21.02	peak		

*:Maximum data x:Over limit !:over margin

〈Reference Only

Test Result: Pass

[TestMode: 802.11g-2462]; [Polarity: Horizontal]

Radiated Emission Measurement


Site: Polarization: **Horizontal** Temperature:

Limit: FCC Part15 (PK) Power: Humidity: %

EUT: Set-Top Box Distance:

M/N: MAG500A

Mode: 802.11g-2462

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table		
			Level	Factor	ment						
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	59.34	-3.84	55.50	74.00	-18.50	peak			
2	*	2483.500	53.20	-3.84	49.36	54.00	-4.64	AVG			
3		2500.000	47.11	-3.78	43.33	74.00	-30.67	peak			

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[TestMode: 802.11g-2462]; [Polarity: Vertical]

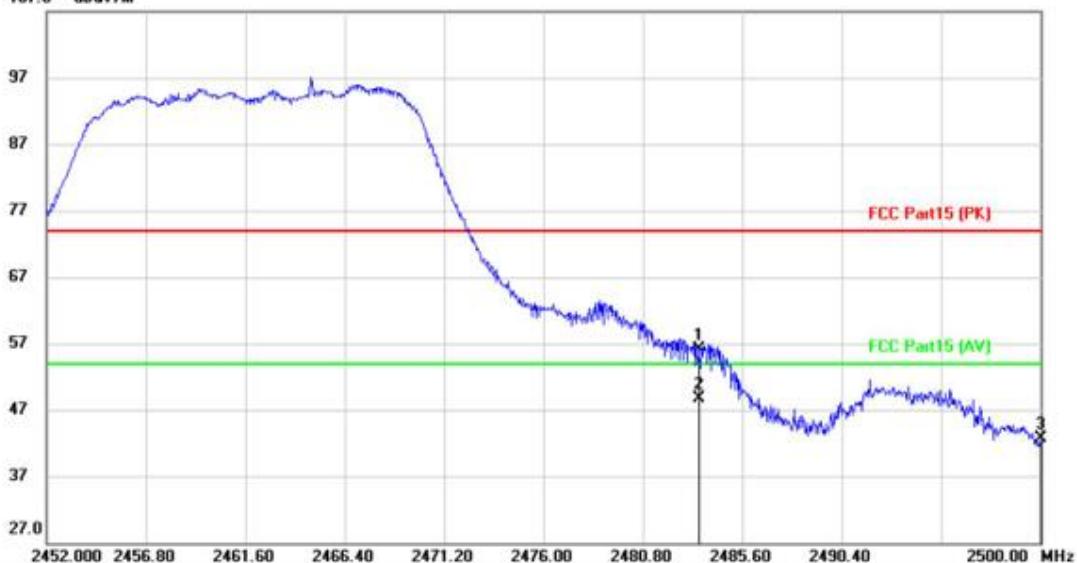
Radiated Emission Measurement

File :2
107.0 dBuV/m

Data 資料

Date: 2021/6/4 星期

Time: 上午 10:29:00



Site

Polarization: **Vertical**

Temperature:

Limit: FCC Part15 (PK)

Power:

Humidity: %

EUT: Set-Top Box

Distance:

M/N: MAG500A

Mode: 802.11g-2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2483.500	59.93	-3.84	56.09	74.00	-17.91	peak		
2	*	2483.500	52.63	-3.84	48.79	54.00	-5.21	AVG		
3		2500.000	46.51	-3.78	42.73	74.00	-31.27	peak		

*:Maximum data x:Over limit !:over margin

⟨Reference Only

Test Result: Pass

[TestMethod: 802.11n20-2412]; [Polarity: Horizontal]

Radiated Emission Measurement


Site

Polarization: **Horizontal**

Temperature:

Limit: FCC Part15 (PK)

Power:

Humidity: %

EUT: Set-Top Box

Distance:

M/N: MAG500A

Mode: 802.11n20-2412

Note:

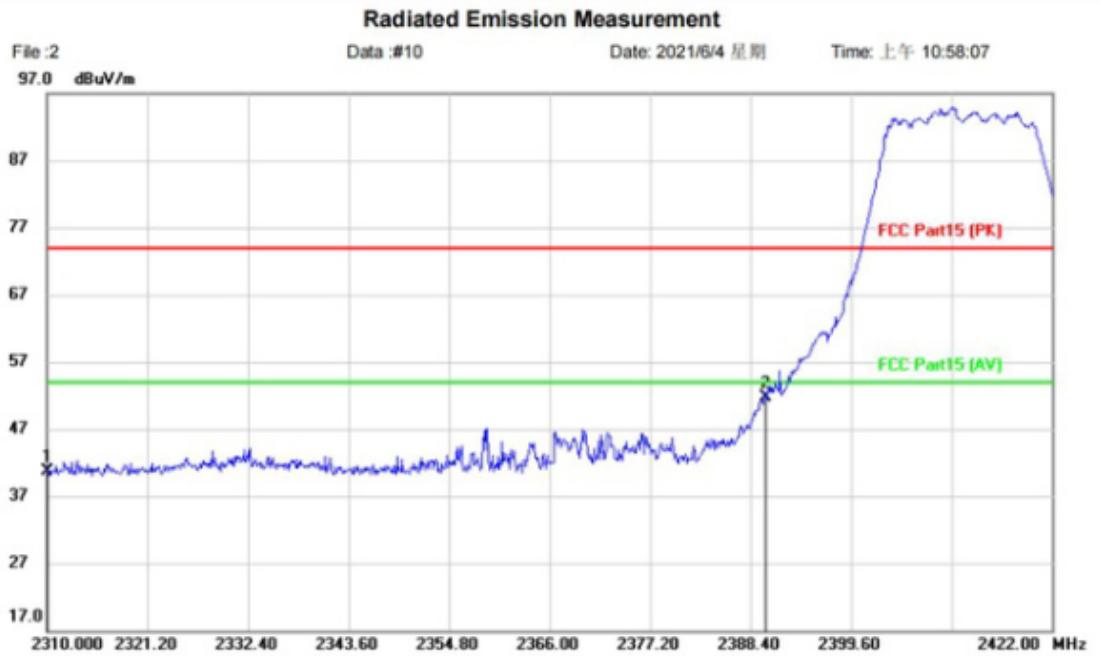
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2310.000	45.22	-4.61	40.61	74.00	-33.39	peak		
2		2390.000	62.81	-4.27	58.54	74.00	-15.46	peak		
3	*	2390.000	56.46	-4.27	52.19	54.00	-1.81	AVG		

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[TestMode: 802.11n20-2412]; [Polarity: Vertical]



Site	Polarization: Vertical	Temperature:
Limit: FCC Part15 (PK)	Power:	Humidity: %
EUT: Set-Top Box	Distance:	
M/N: MAG500A		
Mode: 802.11n20-2412		
Note:		

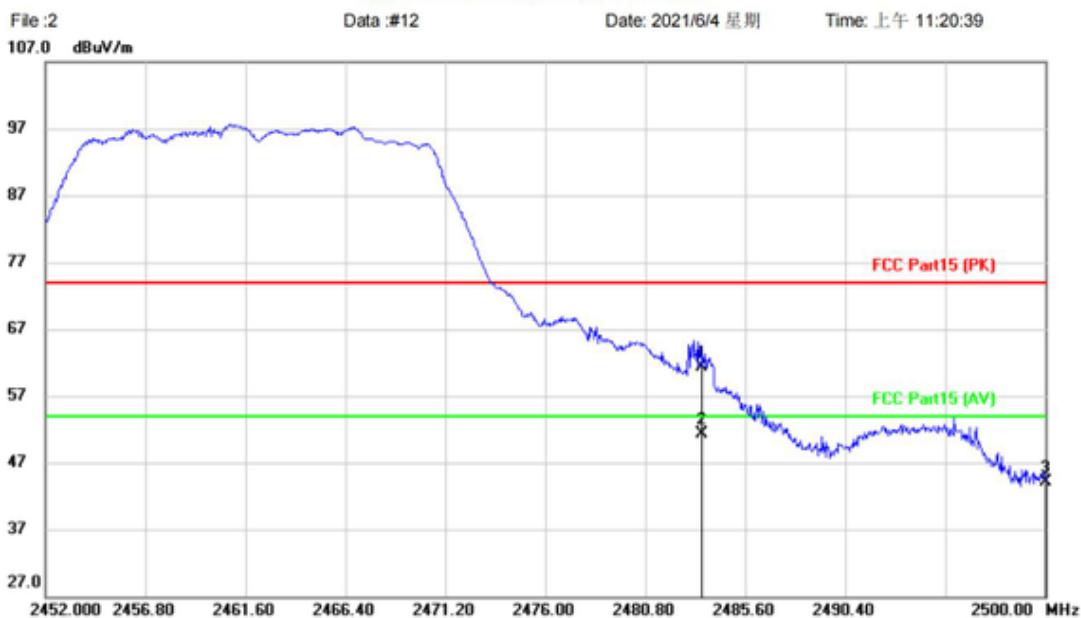
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table
			Level	Factor	ment				
1		2310.000	45.41	-4.61	40.80	74.00	-33.20	peak	
2	*	2390.000	56.05	-4.27	51.78	74.00	-22.22	peak	

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[TestMethod: 802.11n20-2462]; [Polarity: Horizontal]

Radiated Emission Measurement


Site

Polarization: **Horizontal**

Temperature:

Limit: FCC Part15 (PK)

Power:

Humidity: %

EUT: Set-Top Box

Distance:

M/N: MAG500A

Mode: 802.11n20-2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	65.07	-3.84	61.23	74.00	-12.77	peak			
2	*	2483.500	55.16	-3.84	51.32	54.00	-2.68	AVG			
3		2500.000	47.91	-3.78	44.13	74.00	-29.87	peak			

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[TestMethod: 802.11n20-2462]; [Polarity: Vertical]

Radiated Emission Measurement


Site

Polarization: **Vertical**

Temperature:

Limit: FCC Part15 (PK)

Power:

Humidity: %

EUT: Set-Top Box

Distance:

M/N: MAG500A

Mode: 802.11n20-2462

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2483.500	57.76	-3.84	53.92	74.00	-20.08	peak		
2	*	2483.500	51.09	-3.84	47.25	54.00	-6.75	AVG		
3		2500.000	47.24	-3.78	43.46	74.00	-30.54	peak		

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[TestMode: 802.11n40-2422]; [Polarity: Horizontal]

Radiated Emission Measurement

File :2

Data :#16

Date: 2021/6/4 星期

Time: 上午 11:49:54



Site

Polarization: **Horizontal**

Temperature:

Limit: FCC Part15 (PK)

Power:

Humidity: 0%

EUT: Set-Top Box

Distance:

M/N: MAG500A

Mode: 802.11n40-2422

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table			
			Level	Factor	ment							
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	46.44	-4.61	41.83	74.00	-32.17	peak				
2		2390.000	66.82	-4.27	62.55	74.00	-11.45	peak				
3	*	2390.000	55.24	-4.27	50.97	54.00	-3.03	AVG				

*:Maximum data x:Over limit !:over margin

⟨Reference Only

Test Result: Pass

[TestMethod: 802.11n40-2422]; [Polarity: Vertical]

Radiated Emission Measurement


Site

Polarization: **Vertical**

Temperature:

Limit: FCC Part15 (PK)

Power:

Humidity: %

EUT: Set-Top Box

Distance:

M/N: MAG500A

Mode: 802.11n40-2422

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2310.000	46.89	-4.61	42.28	74.00	-31.72	peak			
2		2390.000	60.45	-4.27	56.18	74.00	-17.82	peak			
3	*	2390.000	50.15	-4.27	45.88	54.00	-8.12	AVG			

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[TestMethod: 802.11n40-2452]; [Polarity: Horizontal]

Radiated Emission Measurement


Site: Polarization: **Horizontal** Temperature:
 Limit: FCC Part15 (PK) Power: Humidity: %
 EUT: Set-Top Box Distance:
 M/N: MAG500A
 Mode: 802.11n40-2452
 Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table		
			Level	Factor	ment					Degree	
			MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	70.06	-3.84	66.22	74.00	-7.78	peak			
2	*	2483.500	56.82	-3.84	52.98	54.00	-1.02	AVG			
3		2500.000	56.89	-3.78	53.11	74.00	-20.89	peak			

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[TestMode: 802.11n40-2452]; [Polarity: Vertical]

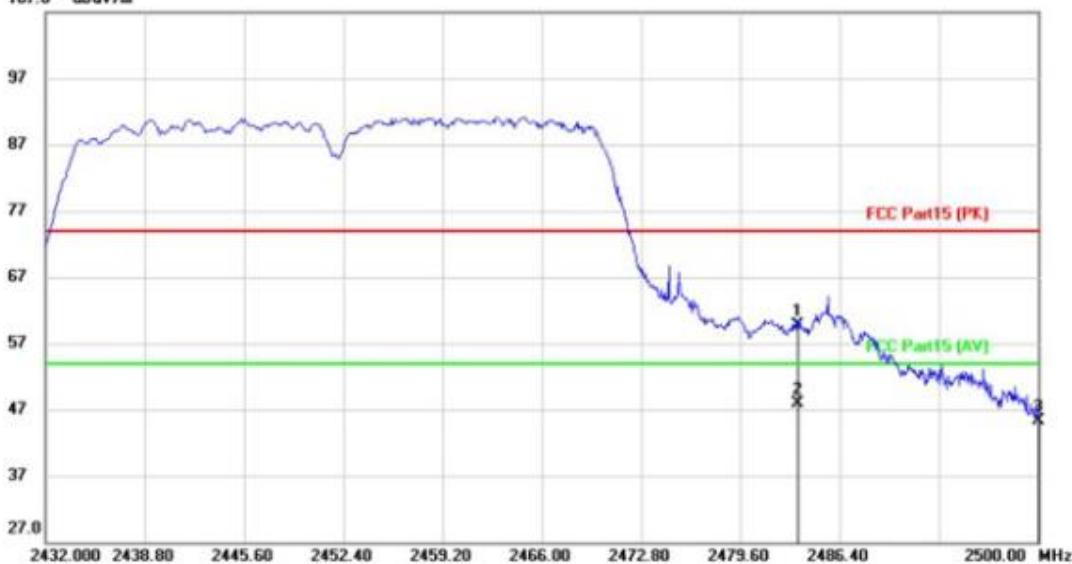
Radiated Emission Measurement

File 2

Data :#14

Date: 2021/5/4 星期

Time: 上午 11:36:05



Site

Polarization: **Vertical**

Temperature:

Limit: FCC Part15 (PK)

Power

Humidity: %

EUT: Set-Top Box

Distance:

M/N: MAG500A

Mode

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table		
			Level	Factor	ment						
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2483.500	63.55	-3.84	59.71	74.00	-14.29	peak			
2	*	2483.500	51.70	-3.84	47.86	54.00	-6.14	AVG			
3		2500.000	49.12	-3.78	45.34	74.00	-28.66	peak			

*:Maximum data x:Over limit !:over margin

〈Reference Only

Test Result: Pass

17 RADIATED SPURIOUS EMISSIONS

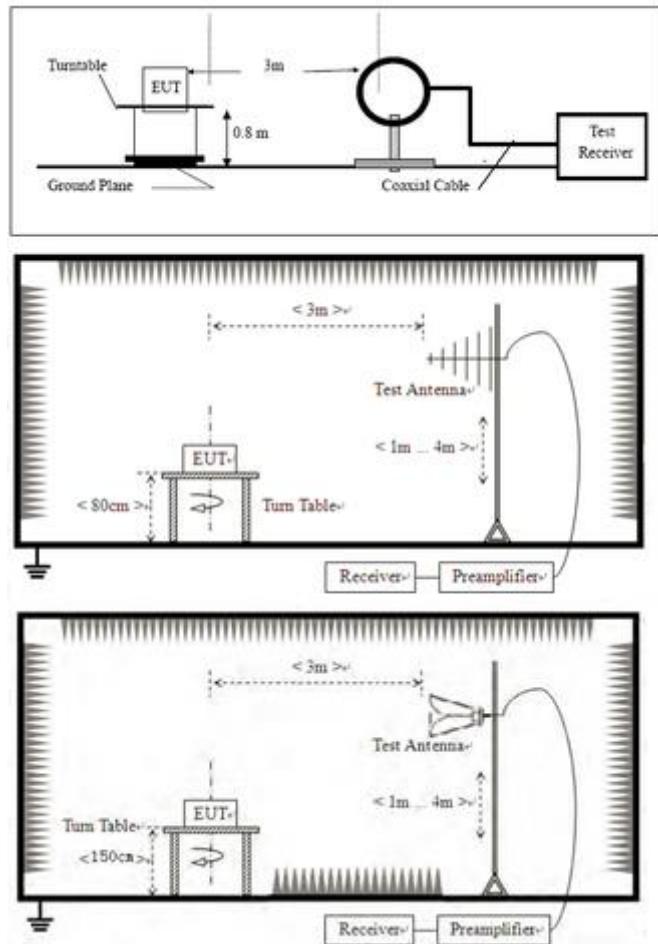
Test Standard	47 CFR Part 15, Subpart C 15.247
Test Method	ANSI C63.10 (2013) Section 6.4,6.5,6.6
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX
Tester	Eason
Temperature	25°C
Humidity	52%

17.1 LIMITS

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

17.2 BLOCK DIAGRAM OF TEST SETUP



17.3 PROCEDURE

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

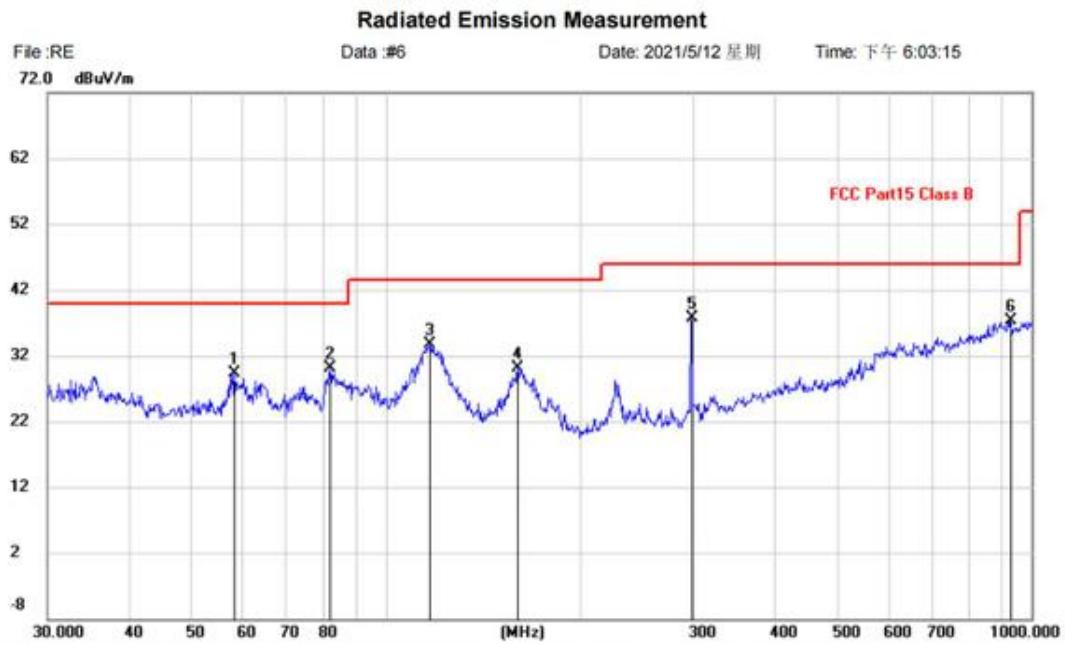
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark:

- 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor "C Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. fundamental frequency is blocked by filter, and only spurious emission is shown.
- 4) For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

17.4 TEST DATA

[TestMode: TX]; [Polarity: Horizontal]



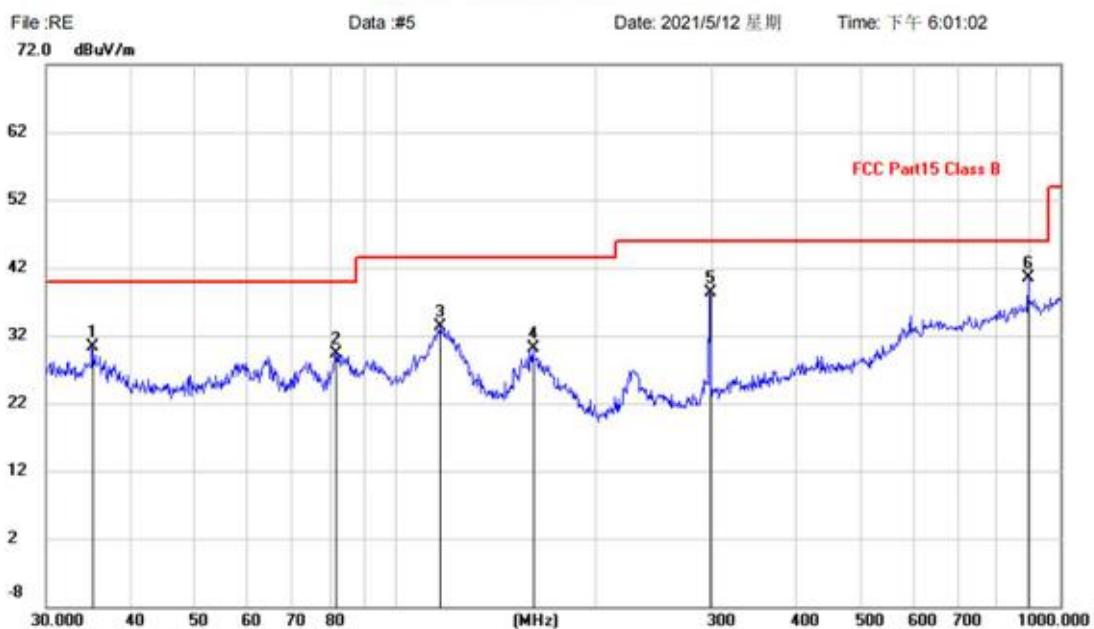
Site	Polarization: Horizontal	Temperature:
Limit: FCC Part15 Class B	Power:	Humidity: %
EUT: Set-Top Box	Distance: 3m	
M/N: MAG500A		
Mode: 2.4G WIFI mode		
Note:		

No. Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table		
		Level	Factor	ment				Height	Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	58.4074	5.83	23.50	29.33	40.00	-10.67	QP			
2	82.0704	10.42	19.59	30.01	40.00	-9.99	QP			
3	116.9495	11.39	22.25	33.64	43.50	-9.86	QP			
4	160.3454	6.95	23.15	30.10	43.50	-13.40	QP			
5 *	297.2241	13.87	23.85	37.72	46.00	-8.28	QP			
6	925.7563	1.55	35.68	37.23	46.00	-8.77	QP			

*:Maximum data x:Over limit !:over margin

〈Reference Only

Test Result: Pass

[TestMode: TX]; [Polarity: Vertical]
Radiated Emission Measurement

Site
Limit: FCC Part15 Class B
EUT: Set-Top Box
M/N: MAG500A
Mode: 2.4G WIFI mode
Note:
Polarization: *Vertical*
Power:
Temperature:
Humidity: %
Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		35.1278	7.01	23.37	30.38	40.00	-9.62	QP		
2		81.7831	9.71	19.60	29.31	40.00	-10.69	QP		
3		116.9495	11.02	22.25	33.27	43.50	-10.23	QP		
4		161.4738	6.98	23.05	30.03	43.50	-13.47	QP		
5		297.2241	14.42	23.85	38.27	46.00	-7.73	QP		
6	*	893.8567	4.79	35.67	40.46	46.00	-5.54	QP		

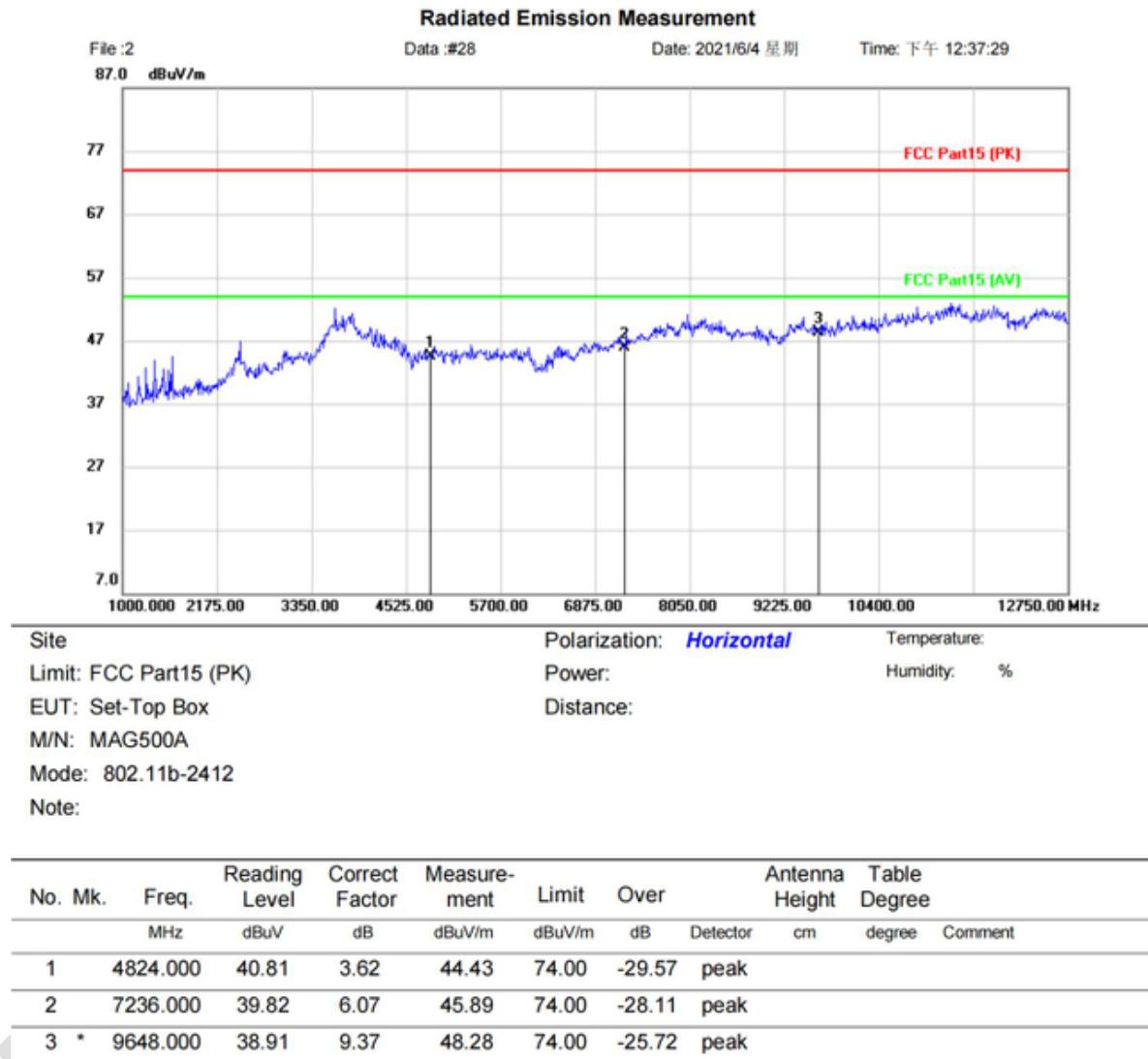
*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

Remark: During the test, pre-scan the 802.11b/g/n mode, and found the 802.11b mode which it is worse case.

[TestMode: 802.11b-2412]; [Polarity: Horizontal]



*:Maximum data x:Over limit !:over margin

〈Reference Only

Test Result: Pass

[TestMode: 802.11b-2412]; [Polarity: Vertical]

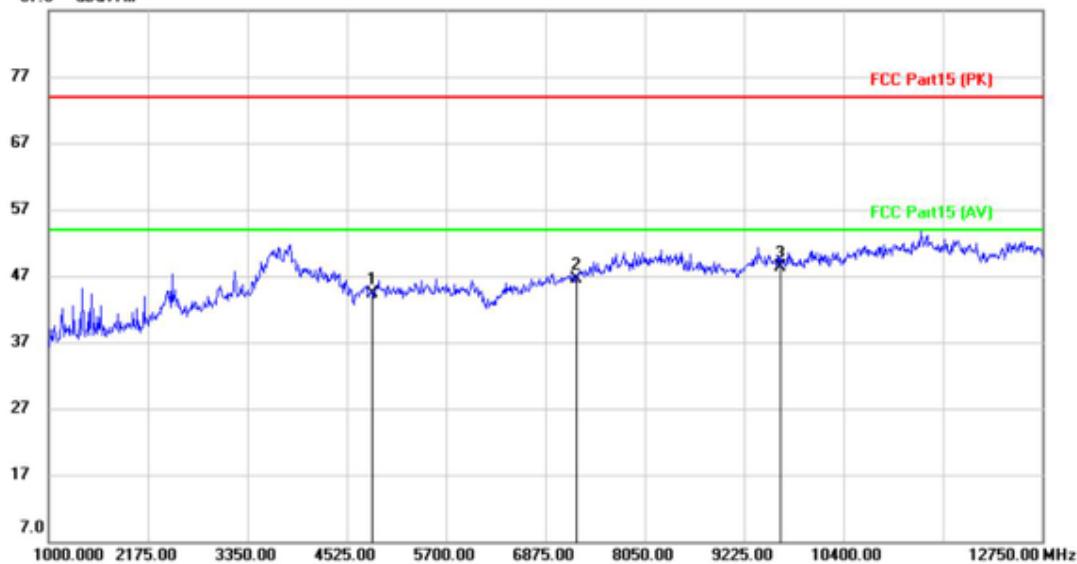
Radiated Emission Measurement

File :2

Data :#27

Date: 2021/6/4 星期

Time: 下午 12:35:58



Site

Polarization: **Vertical**

Temperature:

Limit: FCC Part15 (PK)

Power

Humidity: %

EUT: Set-Top Box

Distance:

M/N: MAG500A

Mode: 802.11b-2412

Note:

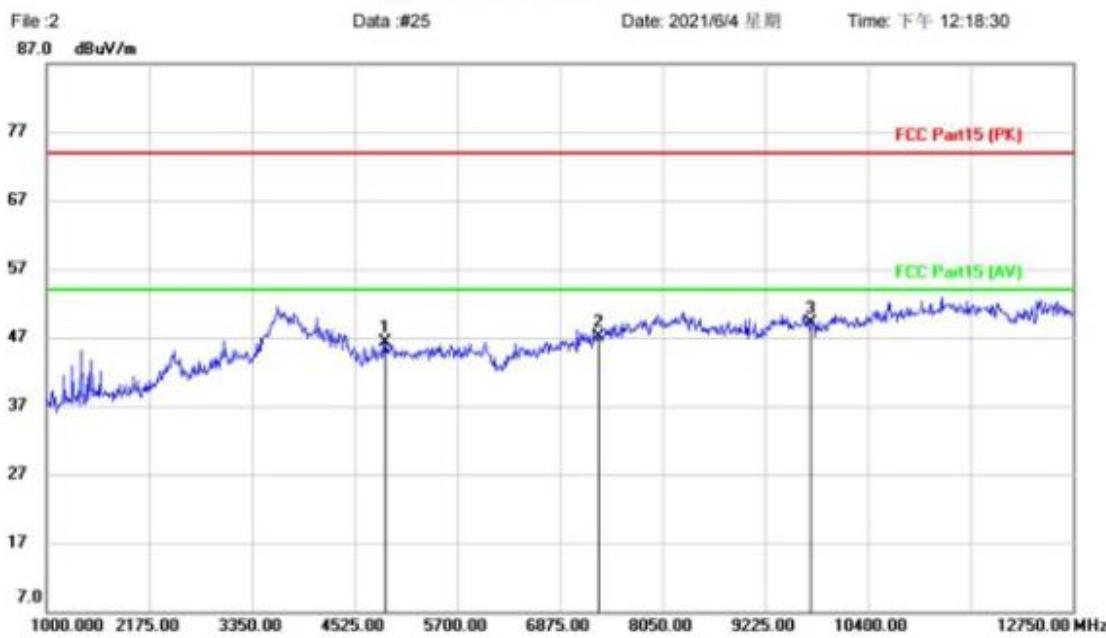
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table		
			Level	Factor	ment						
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		4824.000	40.78	3.62	44.40	74.00	-29.60	peak			
2		7236.000	40.53	6.07	46.60	74.00	-27.40	peak			
3	*	9648.000	39.01	9.37	48.38	74.00	-25.62	peak			

*:Maximum data x:Over limit !:over margin

⟨Reference Only

Test Result: Pass

[TestMethod: 802.11b-2437]; [Polarity: Horizontal]

Radiated Emission Measurement


Site

Polarization: **Horizontal**

Temperature:

Limit: FCC Part15 (PK)

Power:

Humidity: %

EUT: Set-Top Box

Distance:

M/N: MAG500A

Mode: 802.11b-2437

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree										
										MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		4874.000	42.86	3.39	46.25	74.00	-27.75	peak											
2		7311.000	40.75	6.37	47.12	74.00	-26.88	peak											
3	*	9748.000	39.49	9.59	49.08	74.00	-24.92	peak											

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

[TestMode: 802.11b-2437]; [Polarity: Vertical]

Radiated Emission Measurement

File :2

Data :#26

Date: 2021/6/4 星期

Time: 下午 12:19:49



Site

Polarization: **Vertical**

Temperature:

Limit: FCC Part15 (PK)

Power

Humidity: %

EUT: Set-Top Box

Distance:

M/N: MAG500A

Mode: 802.11b-2437

Note:

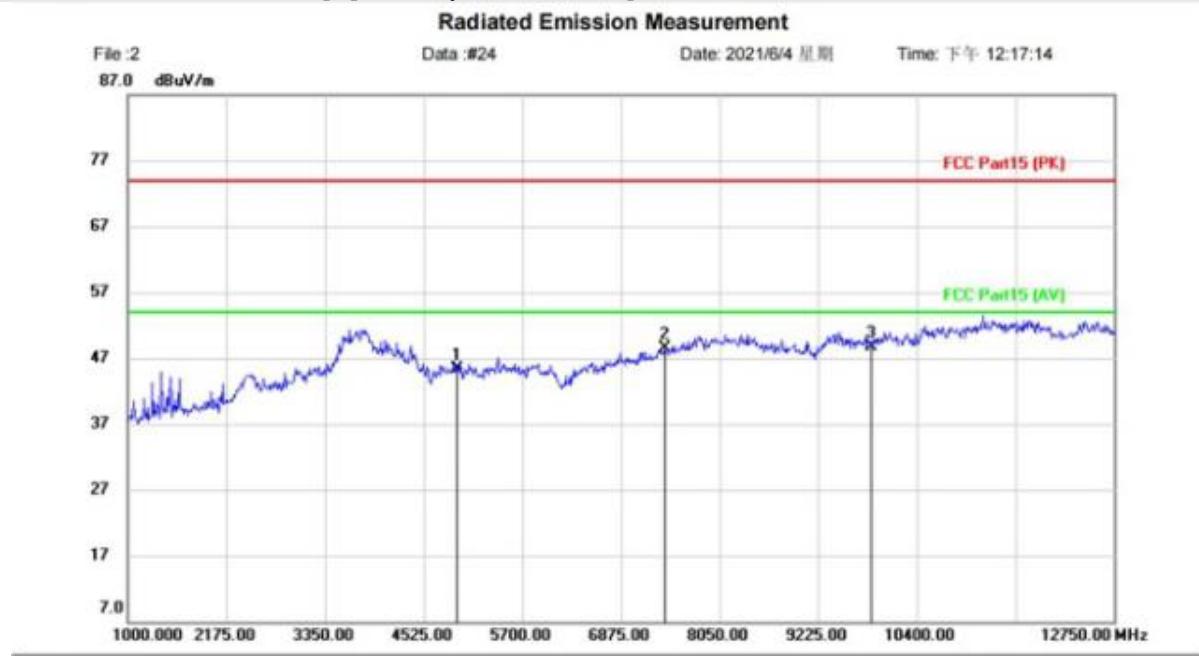
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		4874.000	41.37	3.39	44.76	74.00	-29.24	peak		
2		7311.000	40.04	6.37	46.41	74.00	-27.59	peak		
3	*	9748.000	39.99	9.59	49.58	74.00	-24.42	peak		

*:Maximum data x:Over limit !:over margin

〈Reference Only

Test Result: Pass

[TestMode: 802.11b-2462]; [Polarity: Horizontal]



Site: Limit: FCC Part15 (PK) EUT: Set-Top Box M/N: MAG500A Mode: 802.11b-2462 Note: Polarization: **Horizontal** Power: Distance: Temperature: Humidity: %

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table		
			Level	Factor	ment				Height	Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		4924.000	41.85	3.46	45.31	74.00	-28.69	peak			
2		7386.000	41.88	6.68	48.56	74.00	-25.44	peak			
3	*	9848.000	38.86	9.88	48.74	74.00	-25.26	peak			

*:Maximum data x:Over limit !:over margin

⟨ Reference Only

Test Result: Pass

[TestMethod: 802.11b-2462]; [Polarity: Vertical]

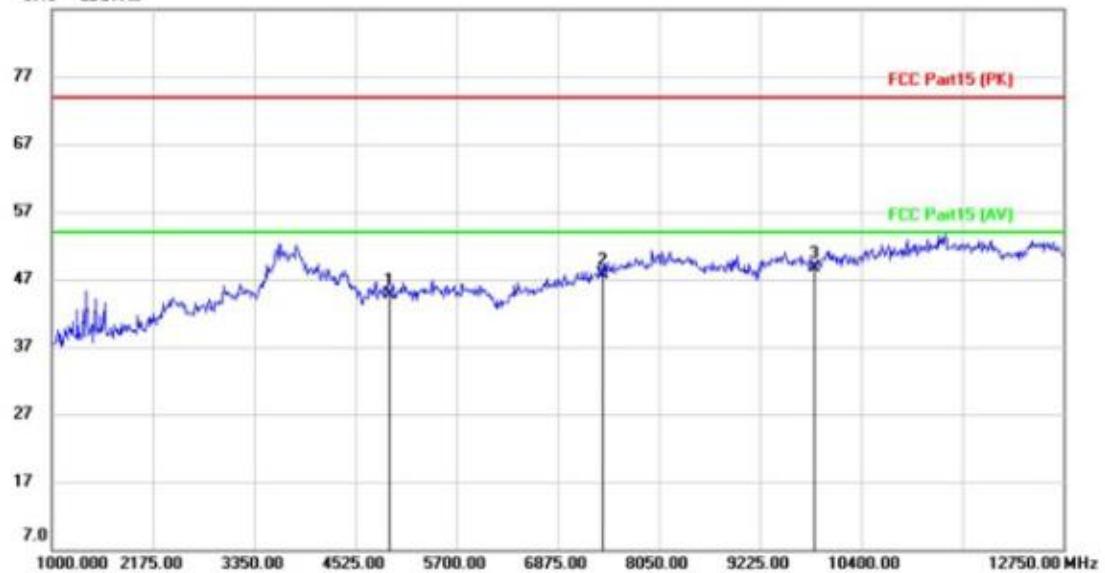
Radiated Emission Measurement

File :2
87.0 dBuV/m

Data :#23

Date: 2021/6/4 星期

Time: 下午 12:14:22



Site

Polarization: **Vertical**

Temperature:

Limit: FCC Part15 (PK)

Power:

Humidity: %

EUT: Set-Top Box

Distance:

M/N: MAG500A

Mode: 802.11b-2462

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
			Level	Factor	ment					
		MHz	dBuV	dB	dBuV/m	dB	Detector	cm	degree	Comment
1		4924.000	41.24	3.46	44.70	74.00	-29.30	peak		
2		7386.000	41.06	6.68	47.74	74.00	-26.26	peak		
3	*	9848.000	38.91	9.88	48.79	74.00	-25.21	peak		

*:Maximum data x:Over limit !:over margin

(Reference Only)

Test Result: Pass

18 APPENDIX

Please Refer To Appendix: Appendix 1

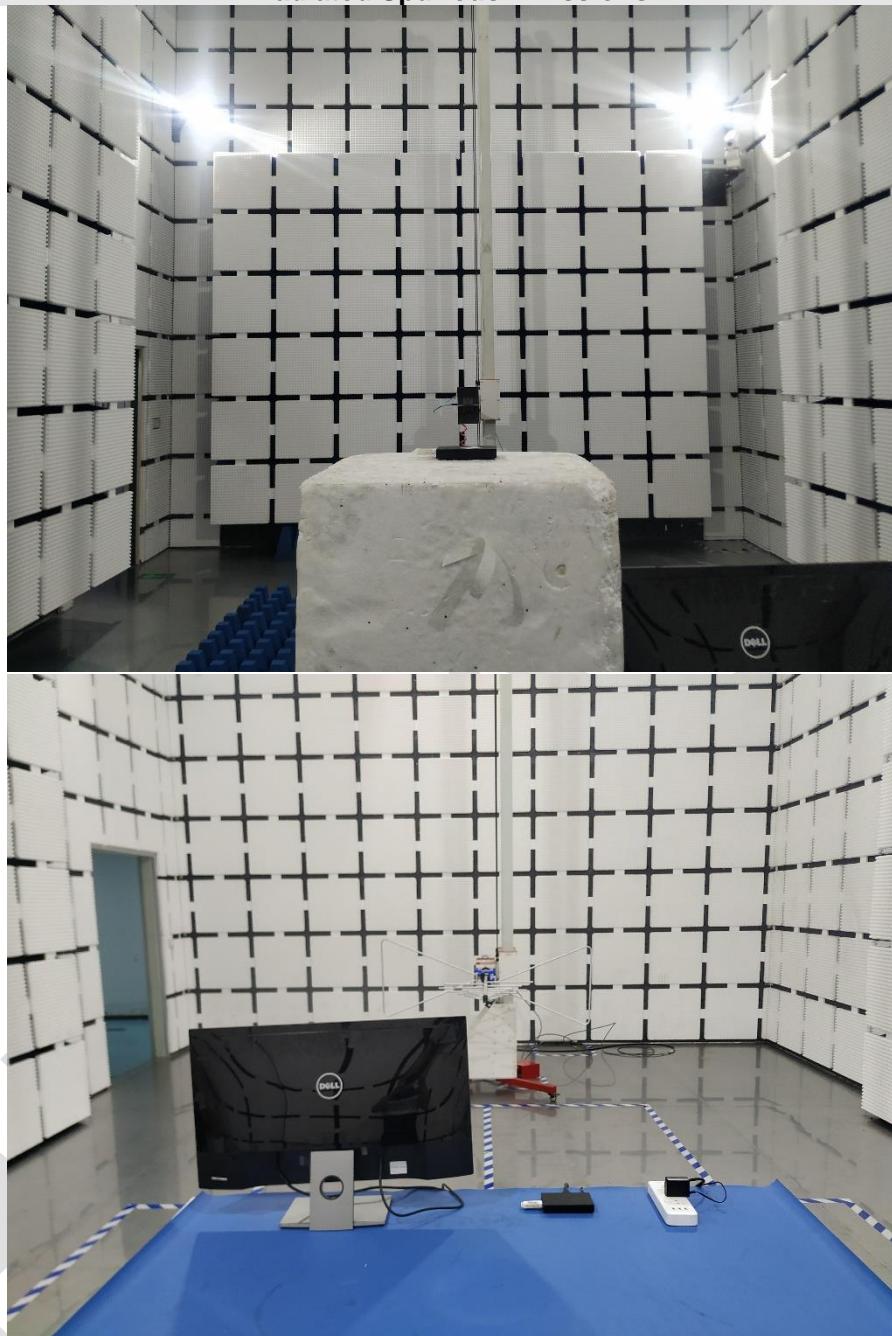
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APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Conducted Emissions at AC Power Line (150kHz-30MHz)



Radiated Spurious Emissions



APPENDIX B: PHOTOGRAPHS OF EUT

(Reference to the test report No. BLA-EMC-202105-A0701)

----END OF REPORT----

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full.

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